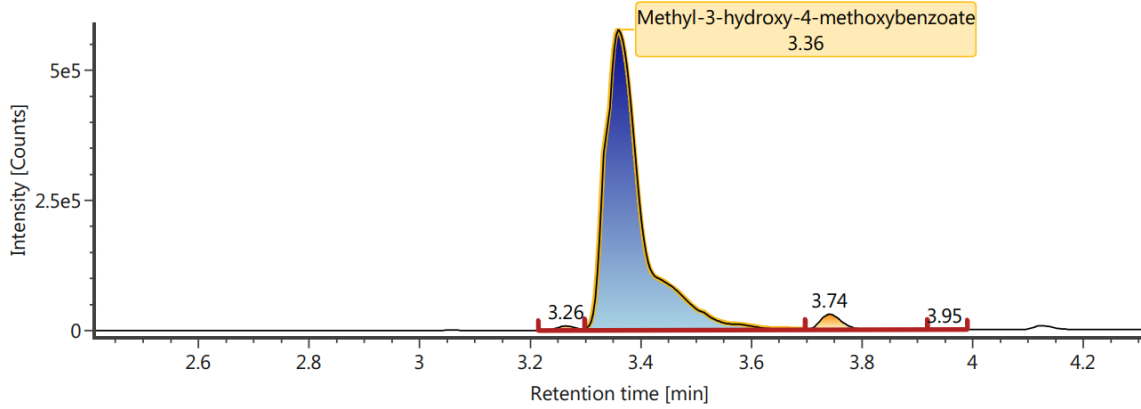


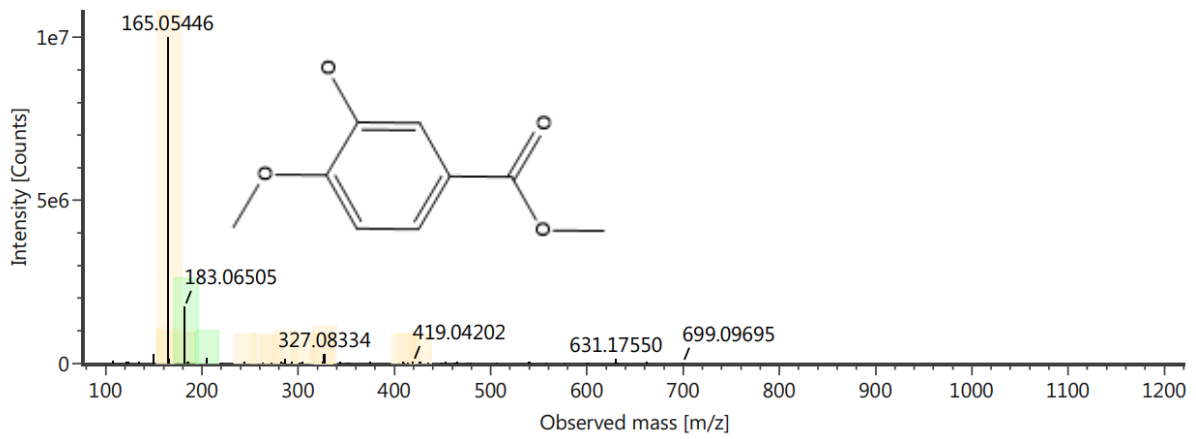
# Supplementary Material

## Compound 1. Methyl-3-hydroxy-4-methoxybenzoate

Channel name: 1: +183.0649 (50.8 PPM) +184.0682 (50.8 PPM) +185.0695 (50.8 PPM) : TOF MS<sup>E</sup> (100-1200) 6eV ESI+ - Low CE :  
Integrated : Smoothed

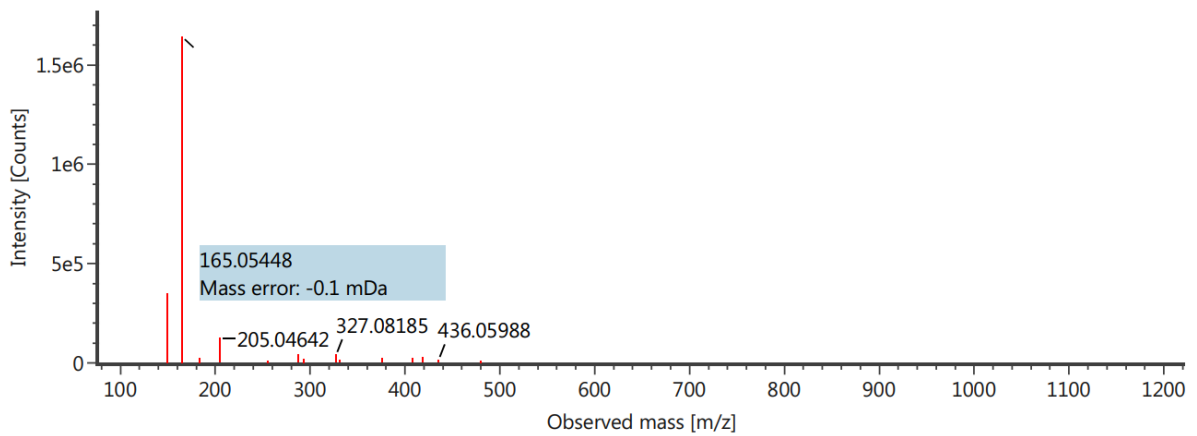


### Low Energy



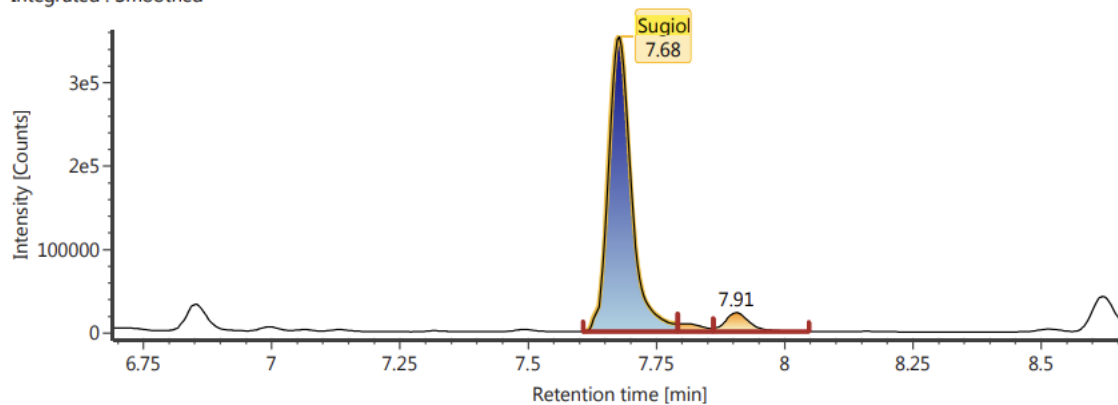
### High Energy

Item description:



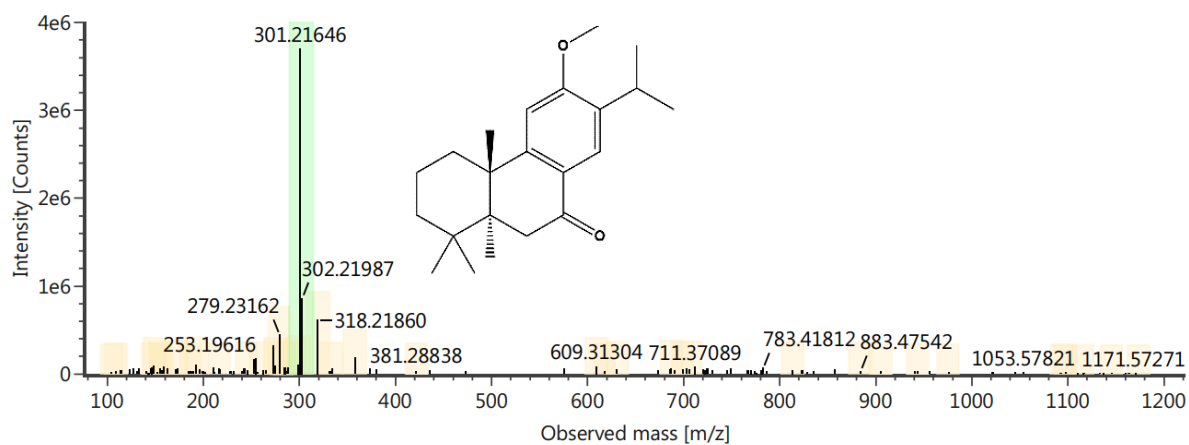
## Compound 2. Sugiol

Channel name: 1: +301.2165 (50.8 PPM) +302.2199 (50.8 PPM) +303.2250 (50.8 PPM) : TOF MS<sup>E</sup> (100-1200) 6eV ESI+ - Low CE :  
Integrated : Smoothed

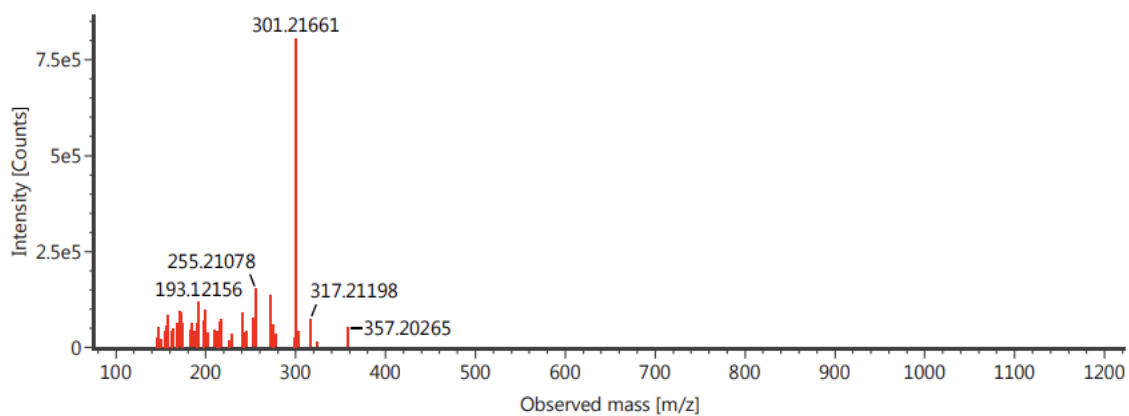


### Low Energy

Item description:

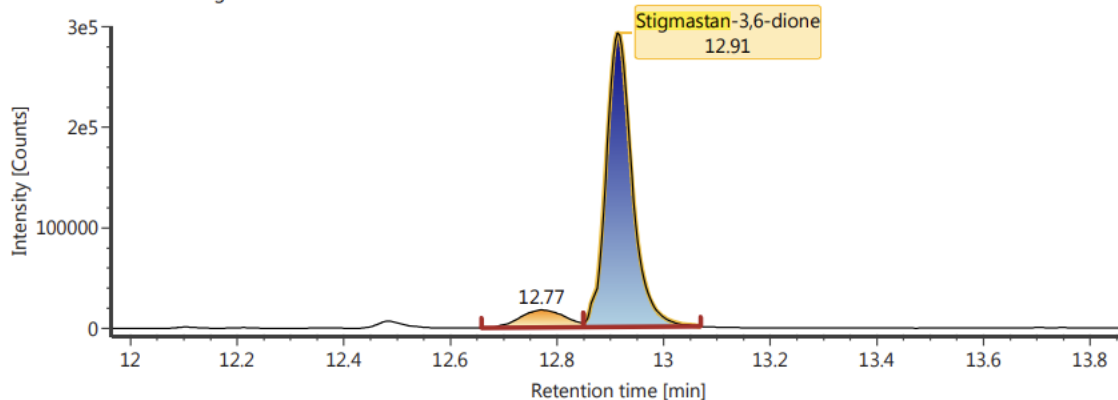


### High Energy



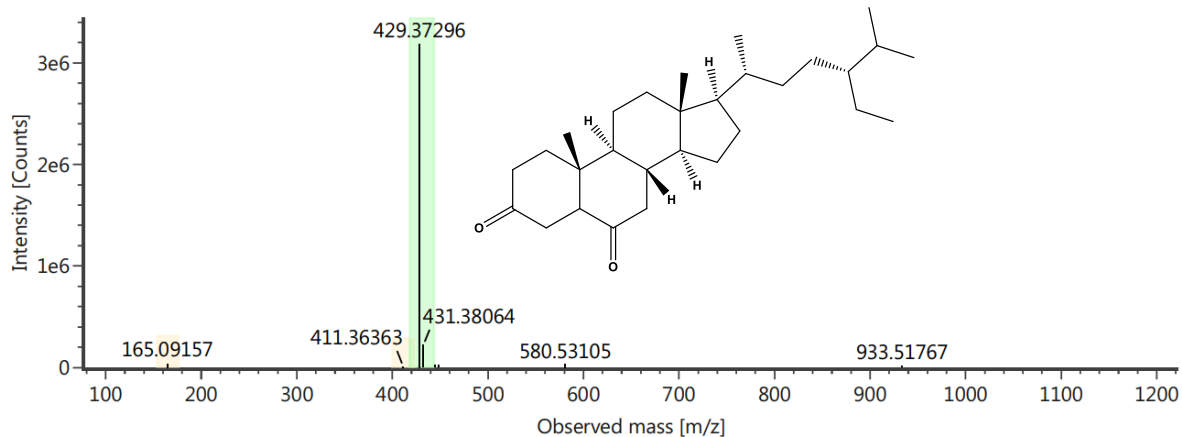
# Compound 3. Stigmastan-3,6-dione

Channel name: 1: +429.3730 (50.8 PPM) +430.3764 (50.8 PPM) +431.3806 (50.8 PPM) +432.3853 (50.8 PPM) : TOF MS<sup>E</sup> (100-1200)  
6eV ESI+ - Low CE : Integrated : Smoothed

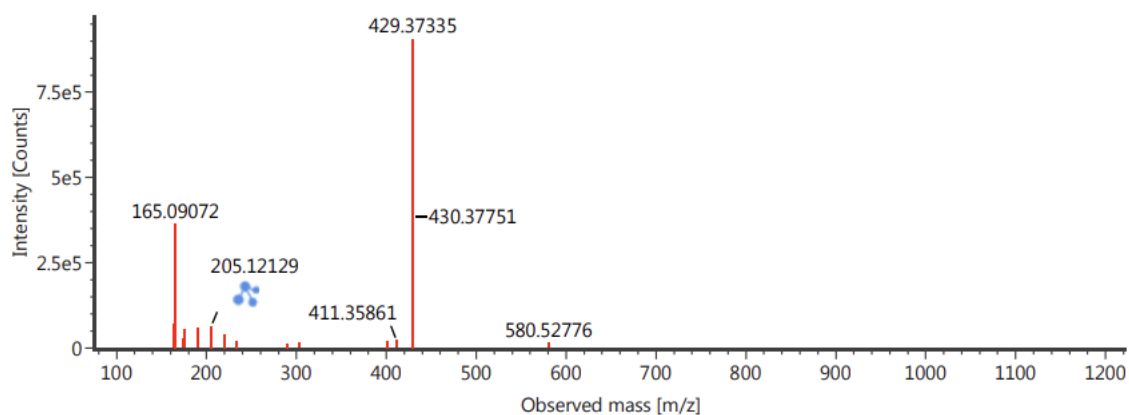


## Low Energy

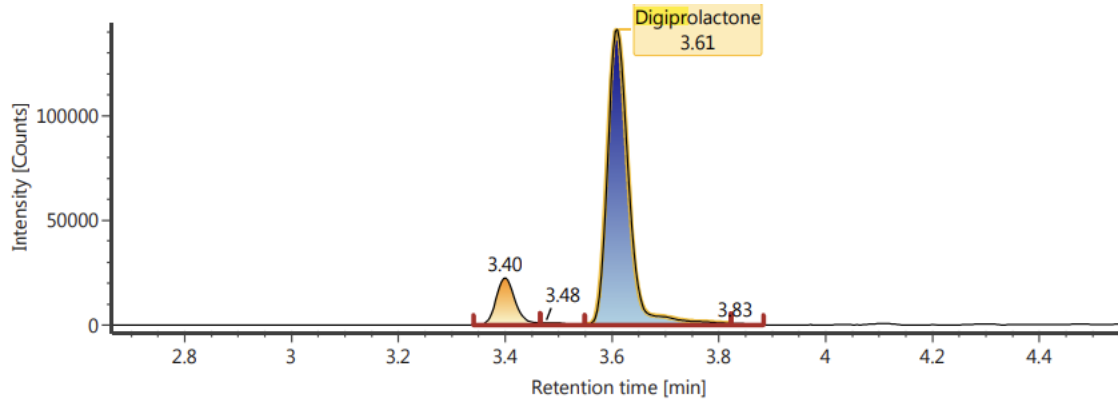
Item description:



## High Energy

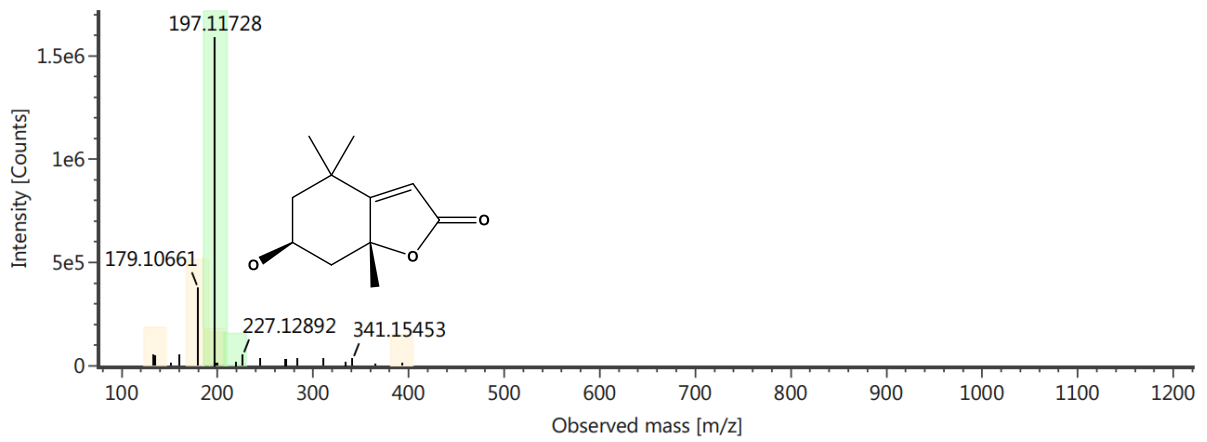


# Compound 4. Digiprolactone

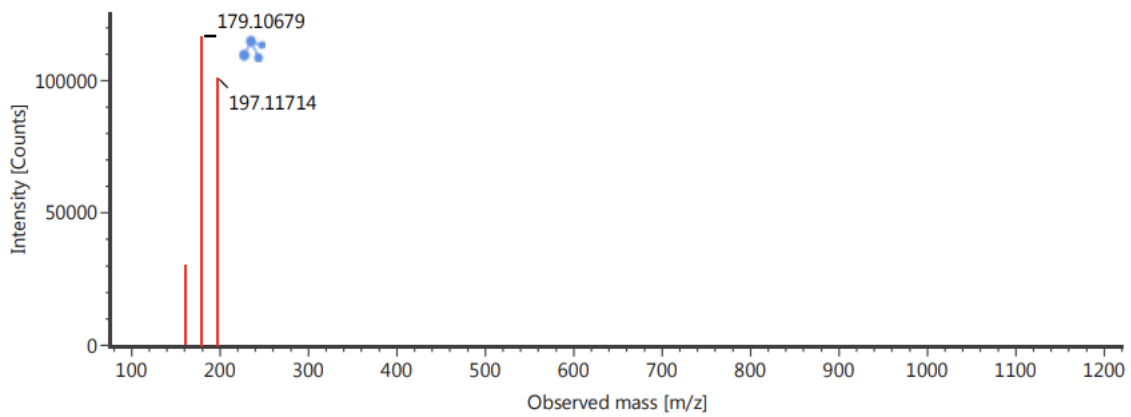


## Low Energy

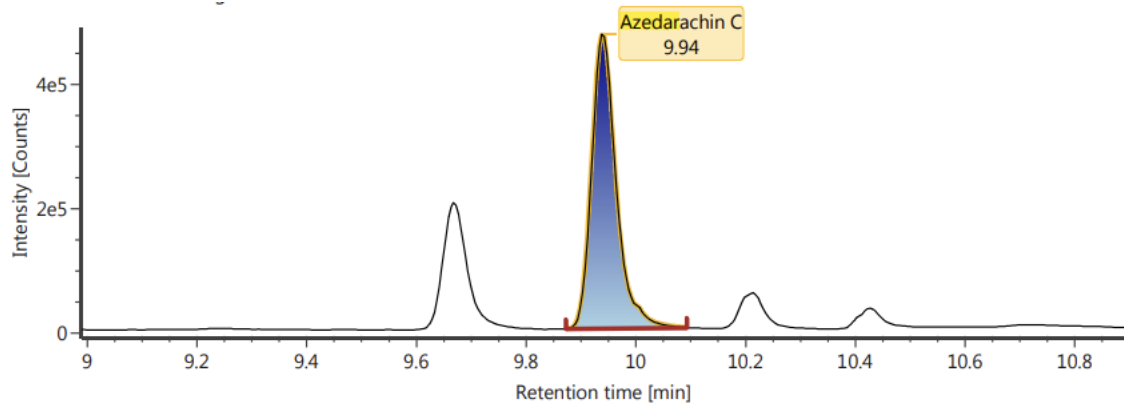
Item description:



## High Energy

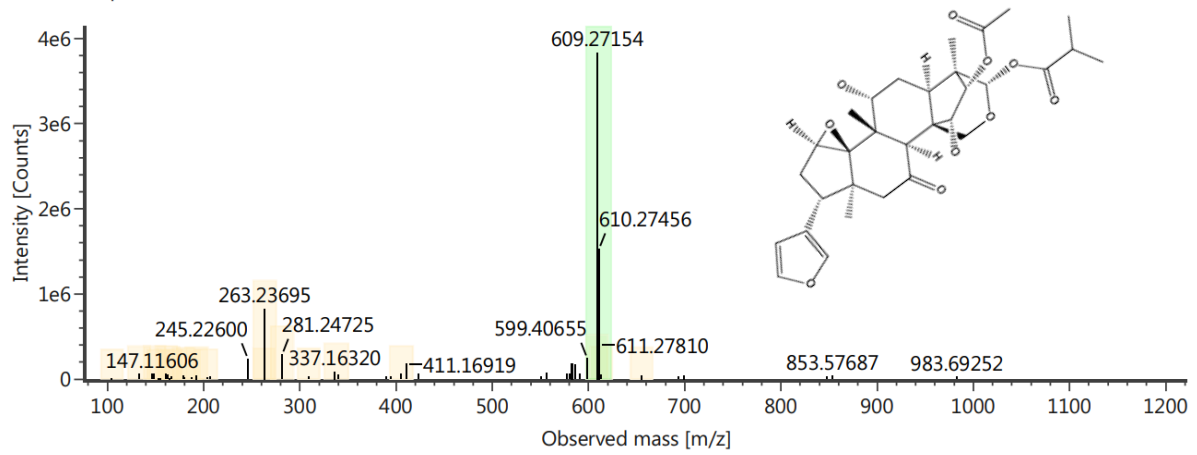


# Compound 5. Azedarachin C

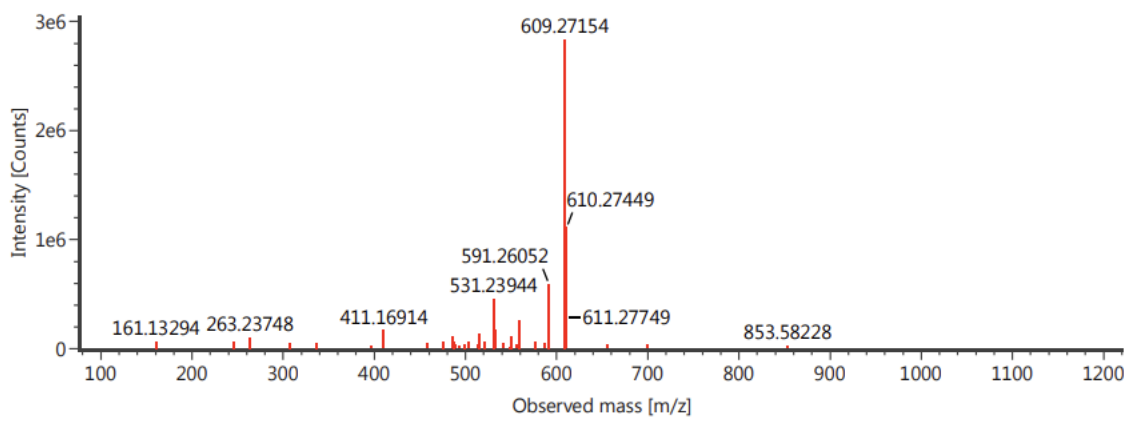


## Low Energy

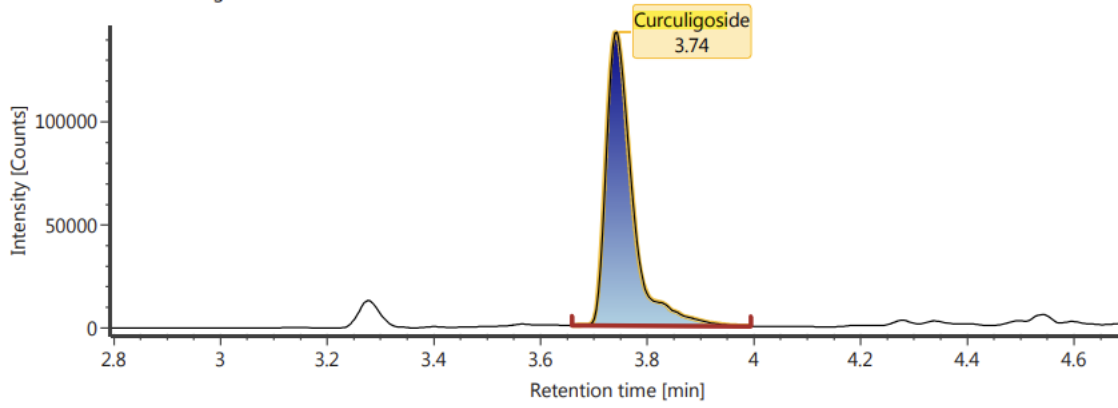
Item description:



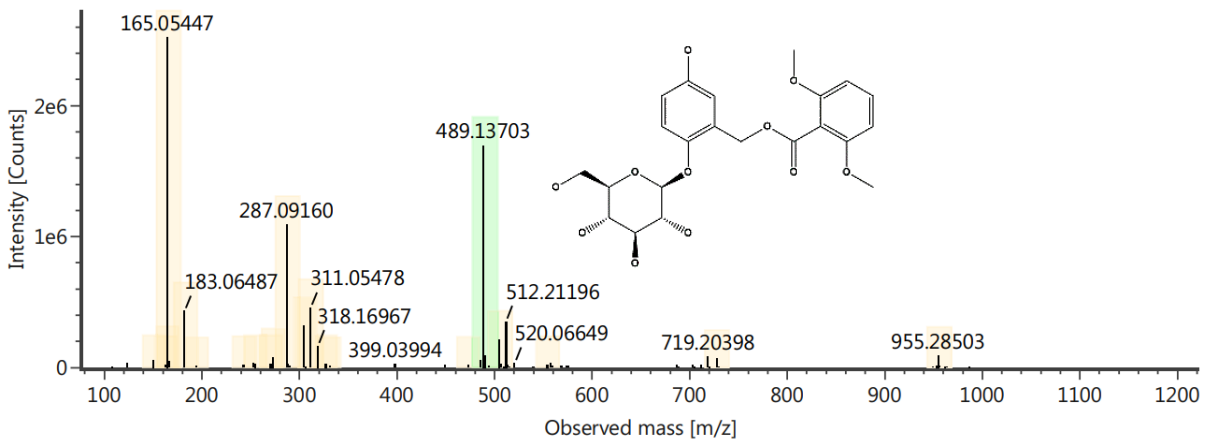
## High Energy



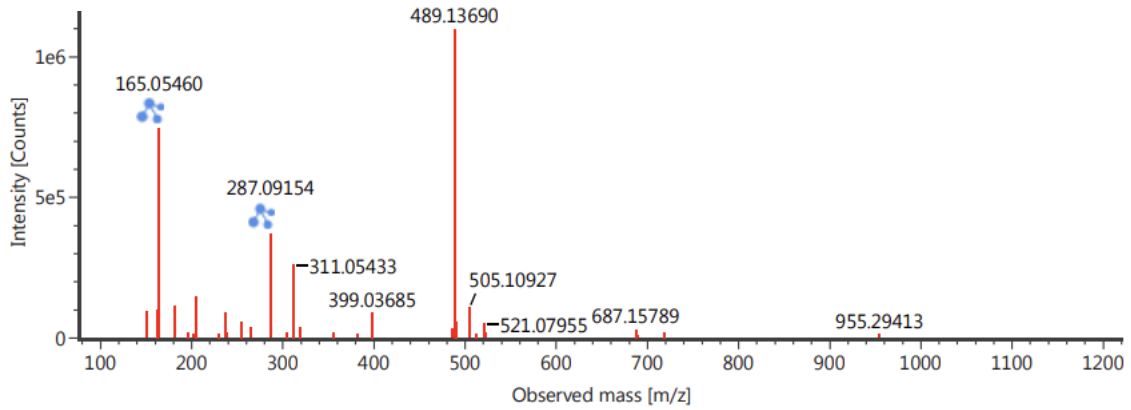
# Compound 6. Curculigoside



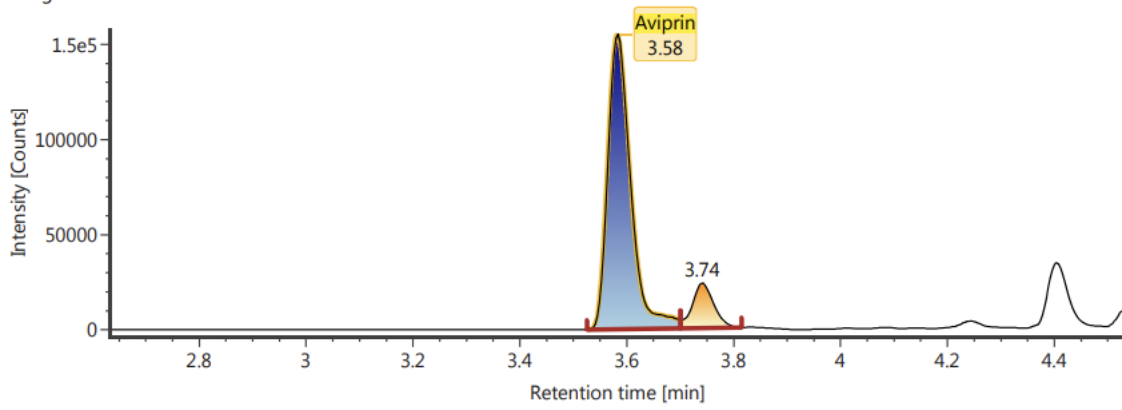
## Low Energy



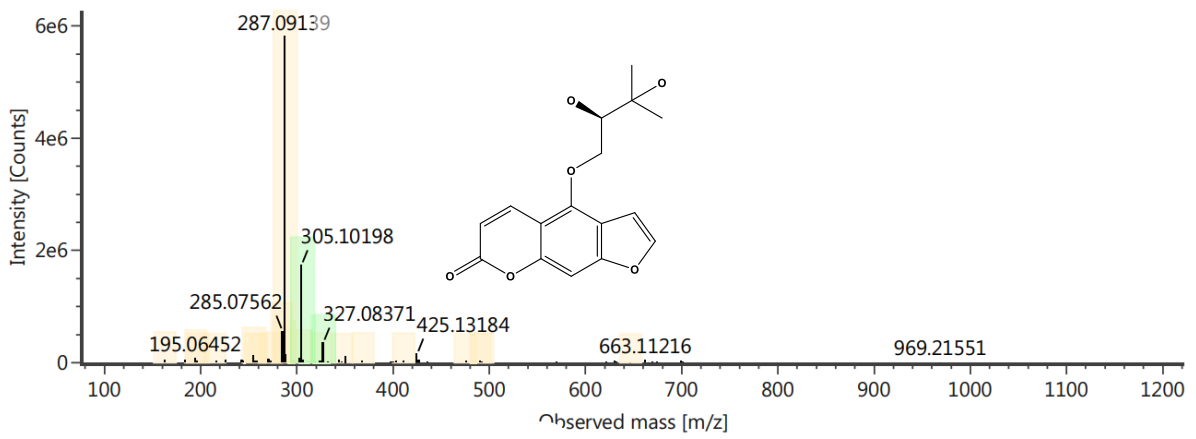
## High Energy



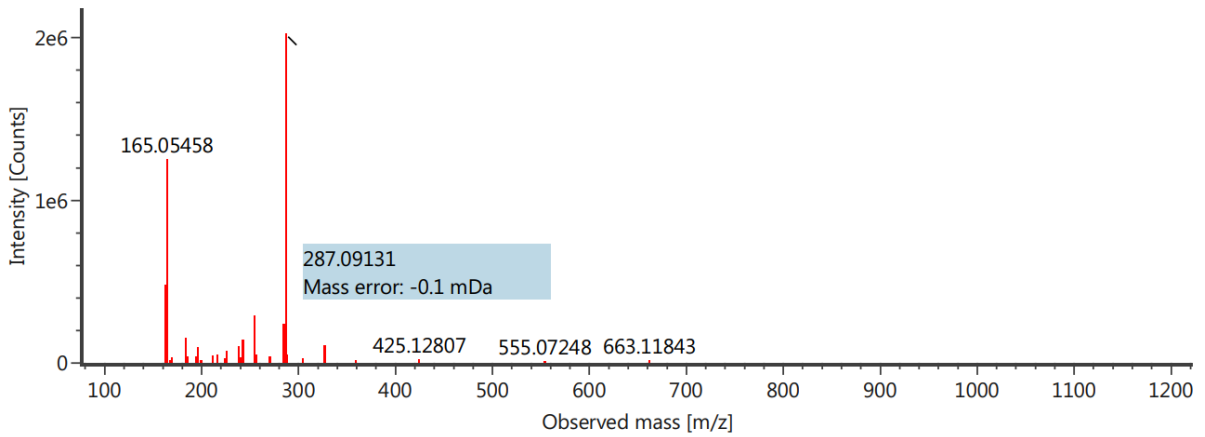
# Compound 7. Aviprin



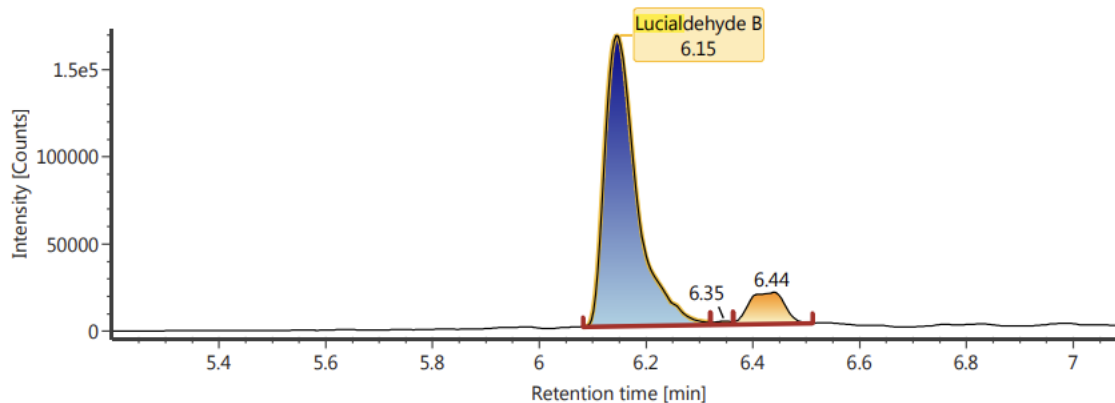
## Low Energy



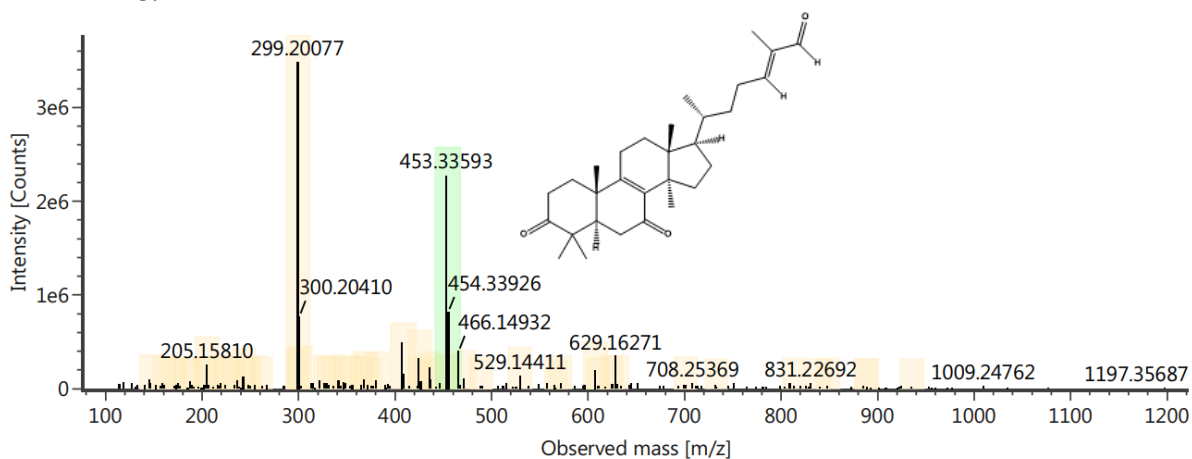
## High Energy



# Compound 8. Lucialdehyde B

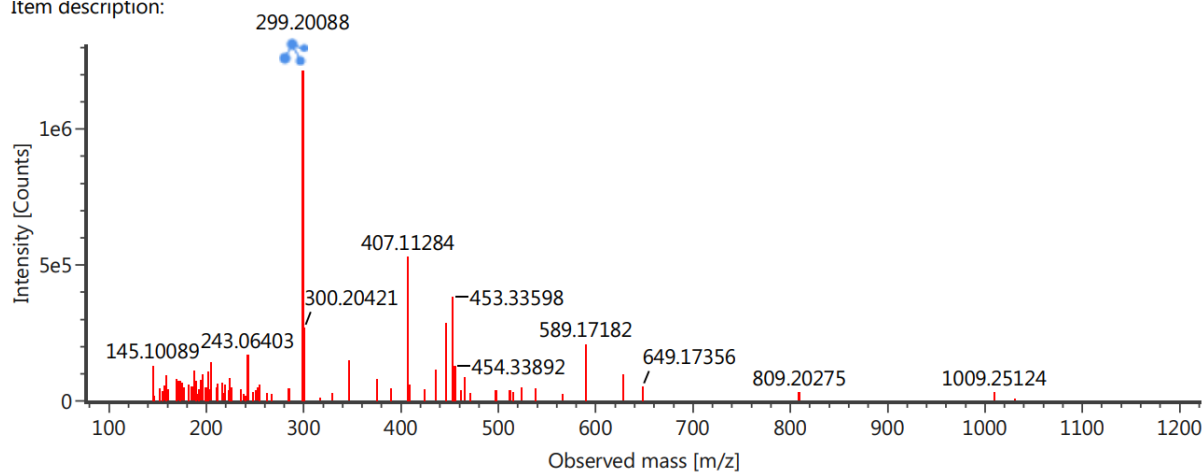


## Low Energy



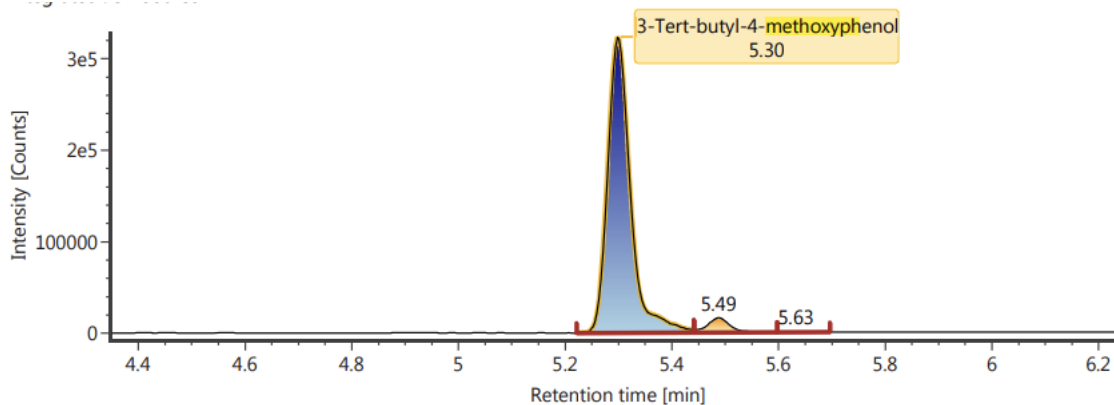
## High Energy

Item description:



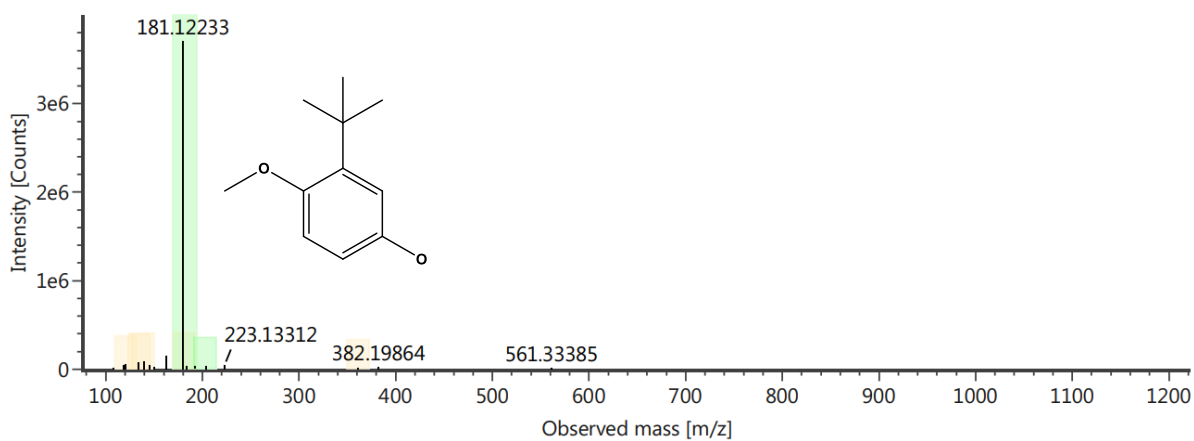


# Compound 9. 3-tert-butyl-4-methoxyphenol

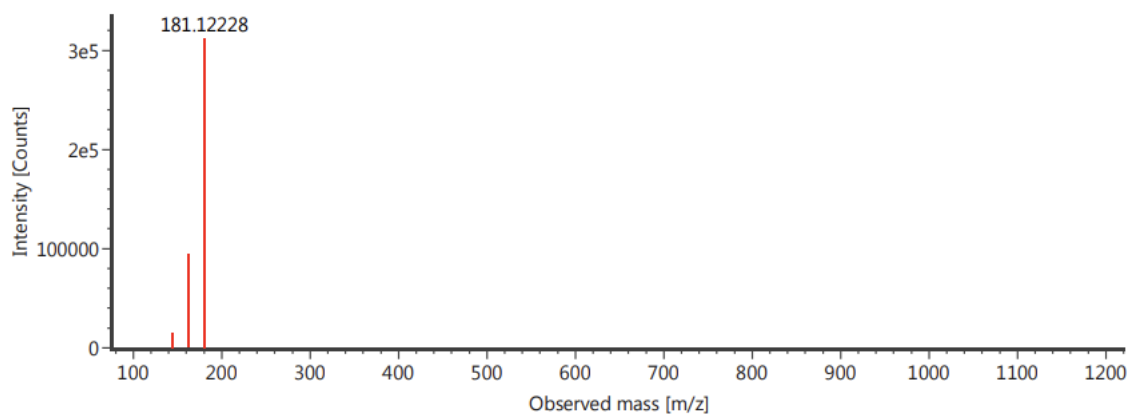


## Low Energy

Item description:

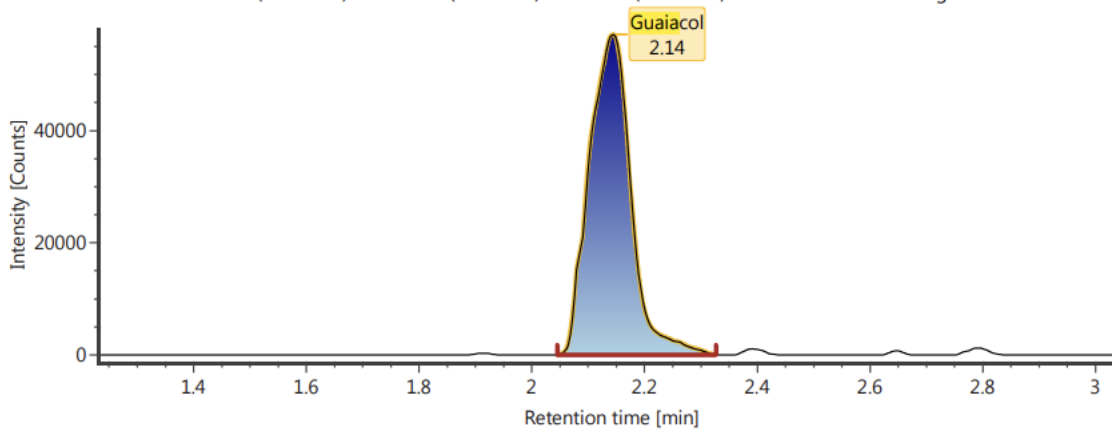


## High Energy

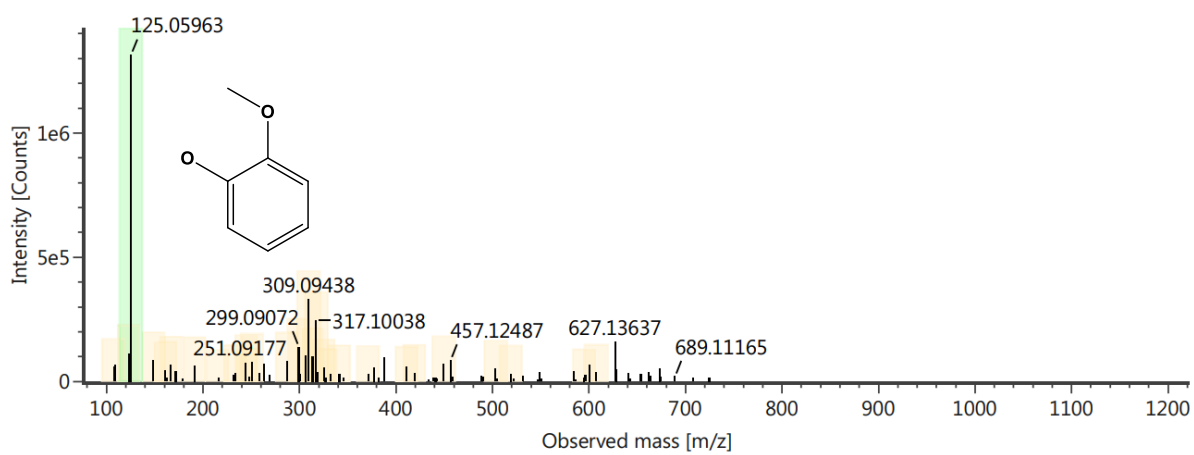


## Compound 10. Guaiacol

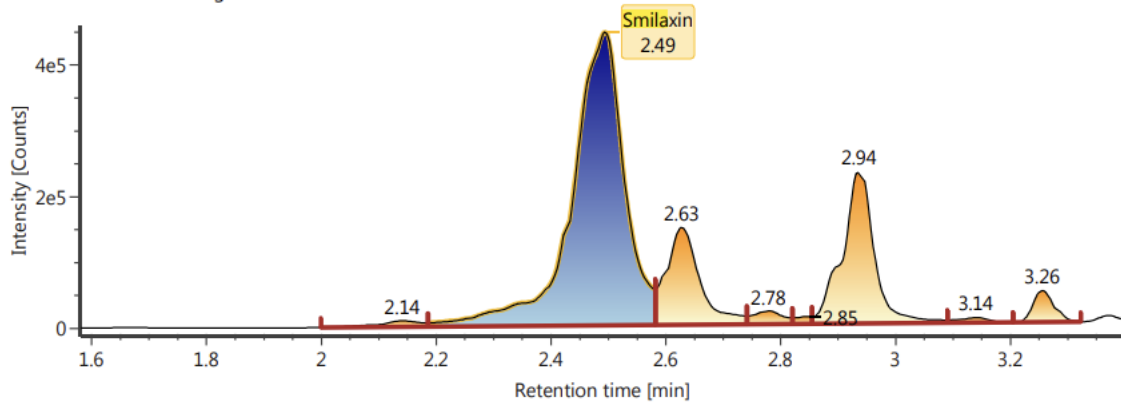
Channel name: 1: +125.0596 (50.8 PPM) +126.0628 (50.8 PPM) : TOF MS<sup>e</sup> (100-1200) 6eV ESI+ - Low CE : Integrated : Smoothed



### Low Energy

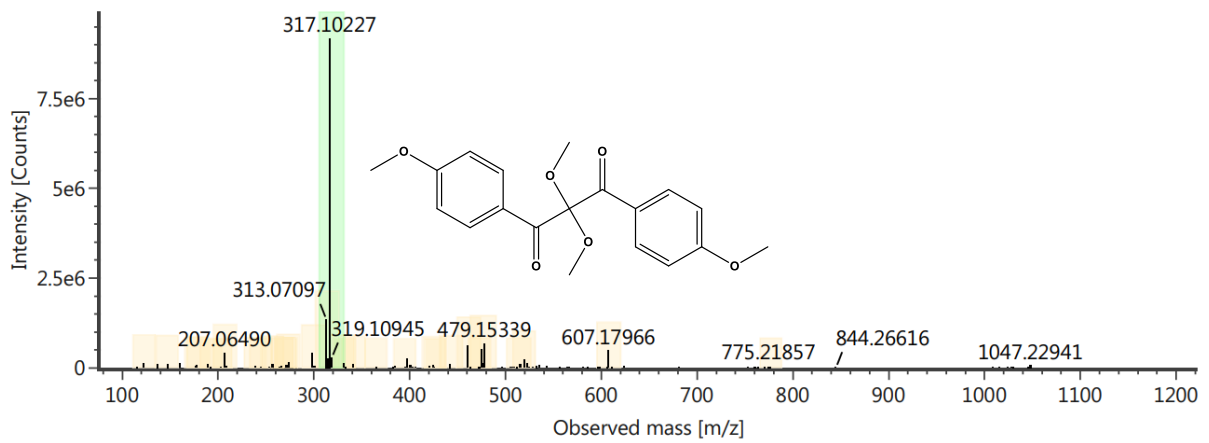


# Compound 11. Smilaxin

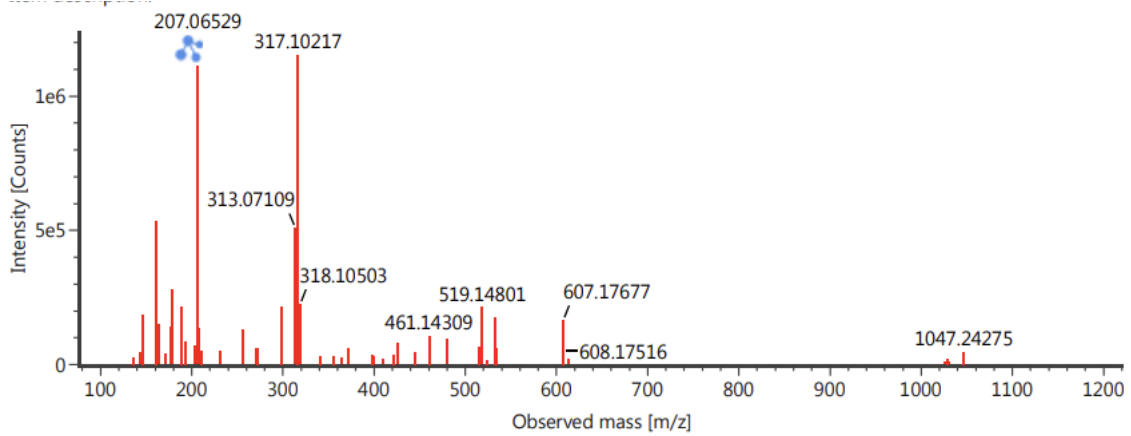


## Low Energy

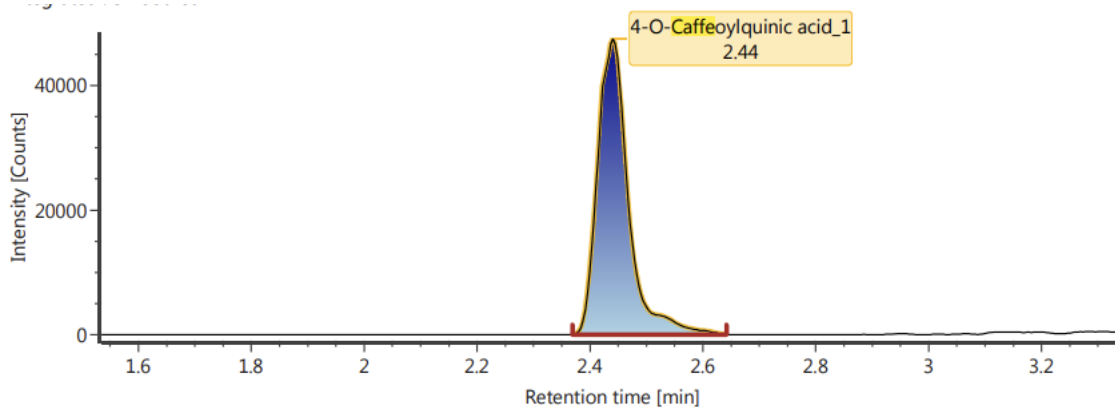
Item description:



## High Energy

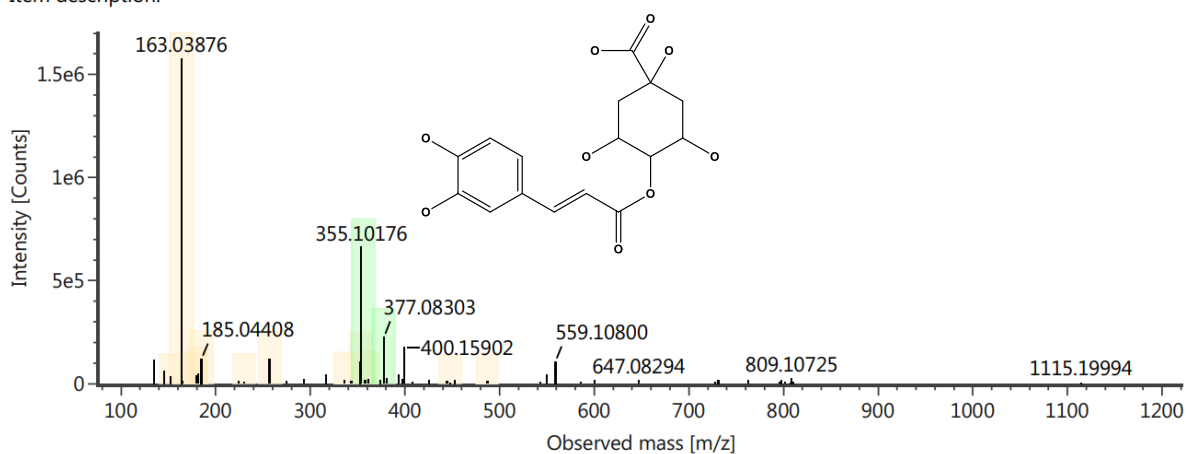


# Compound 12. 4-O-Caffeoylquinic acid-1

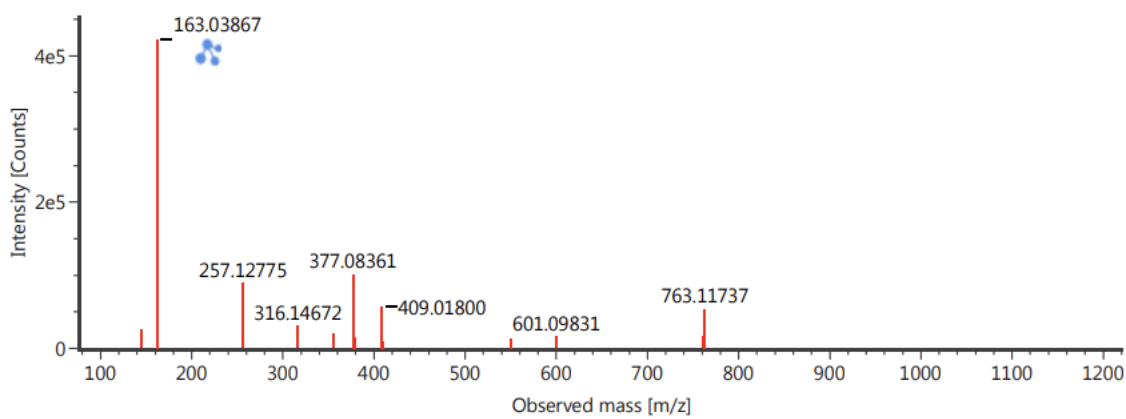


## Low Energy

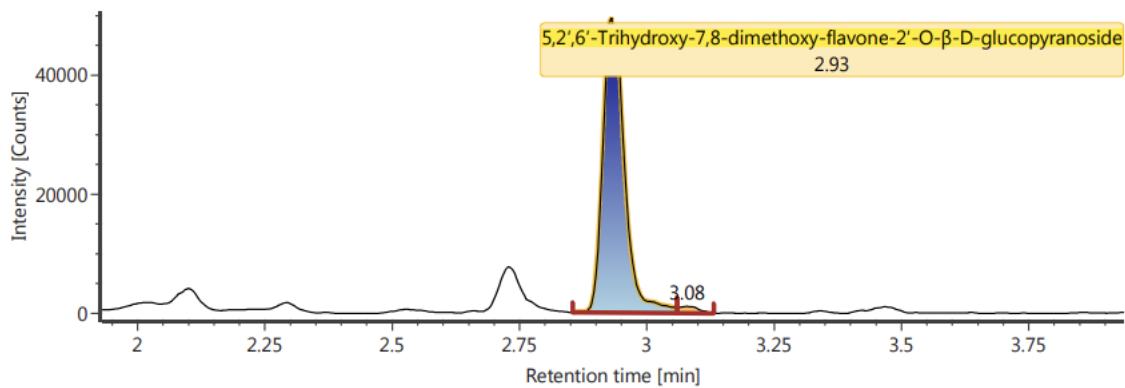
Item description:



## High Energy

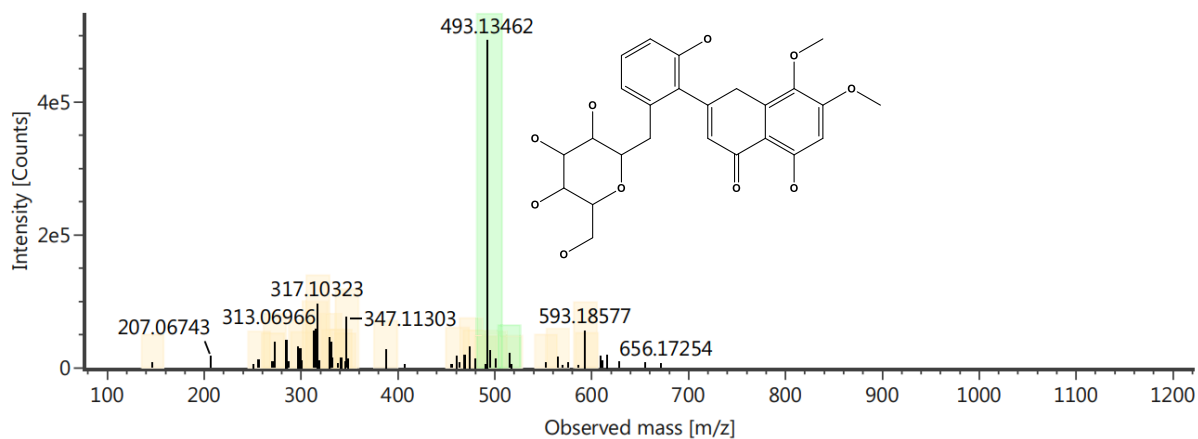


# Compound 13. 5,2',6'-Trihydroxy-7,8-dimethoxy-flavone-2'-O-β-D-glucopyranoside

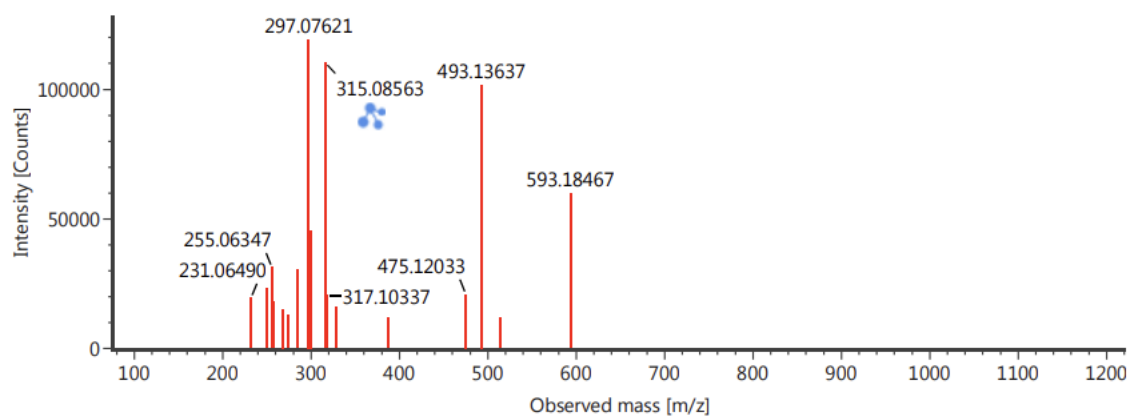


## Low Energy

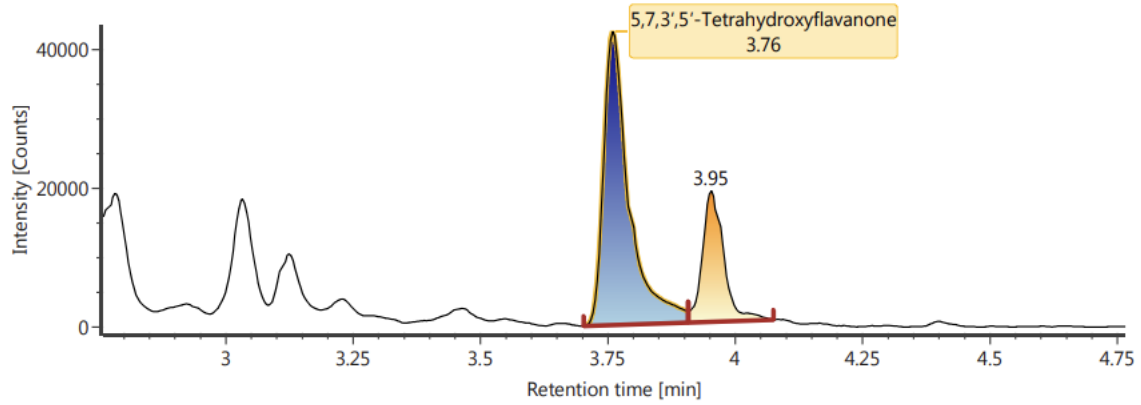
Item description:



## High Energy

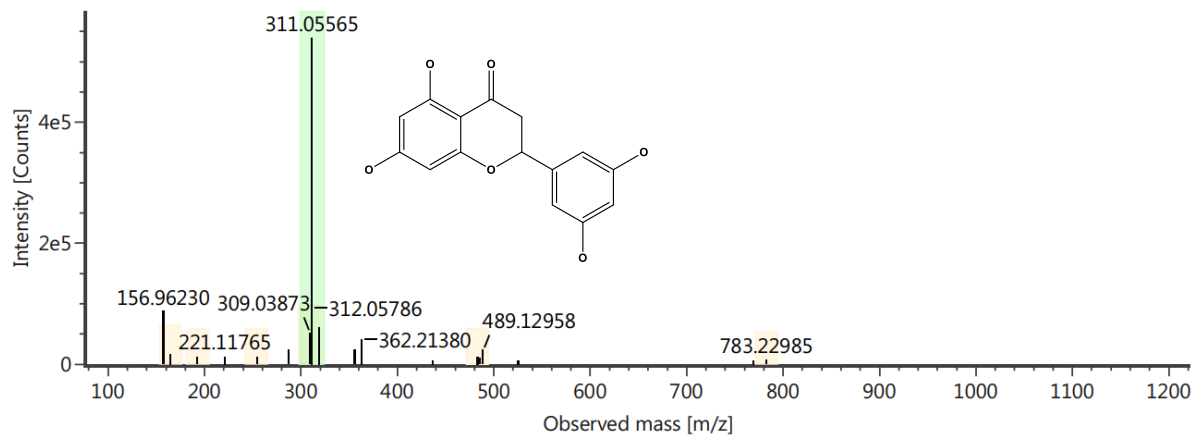


## Compound 14. 5,7,3',5'-Tetrahydroxyflavanone

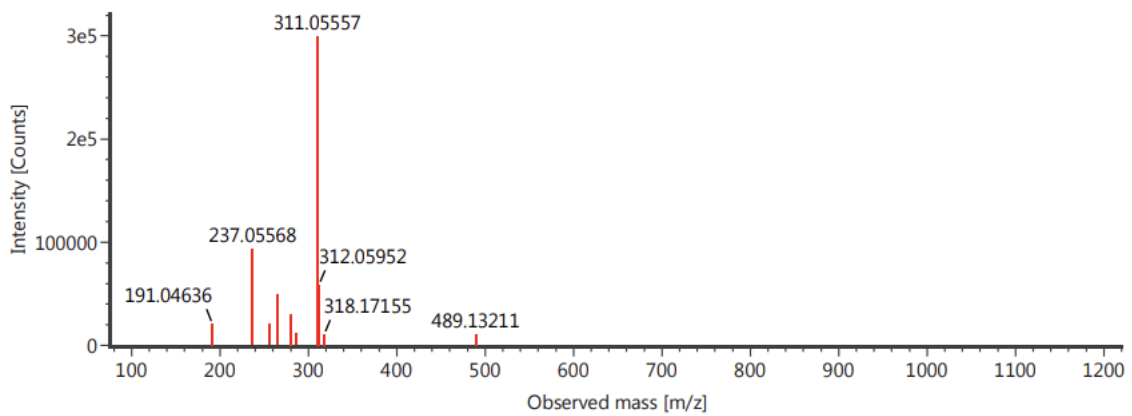


### Low Energy

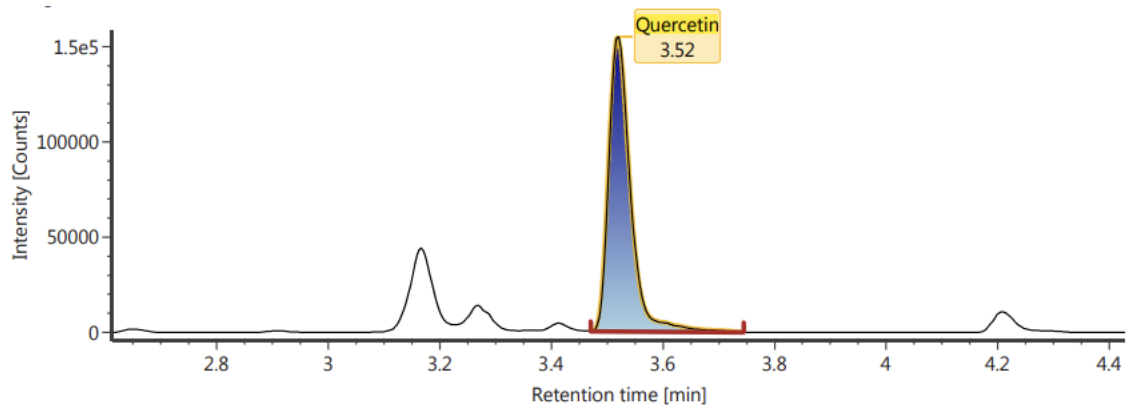
Item description:



### High Energy

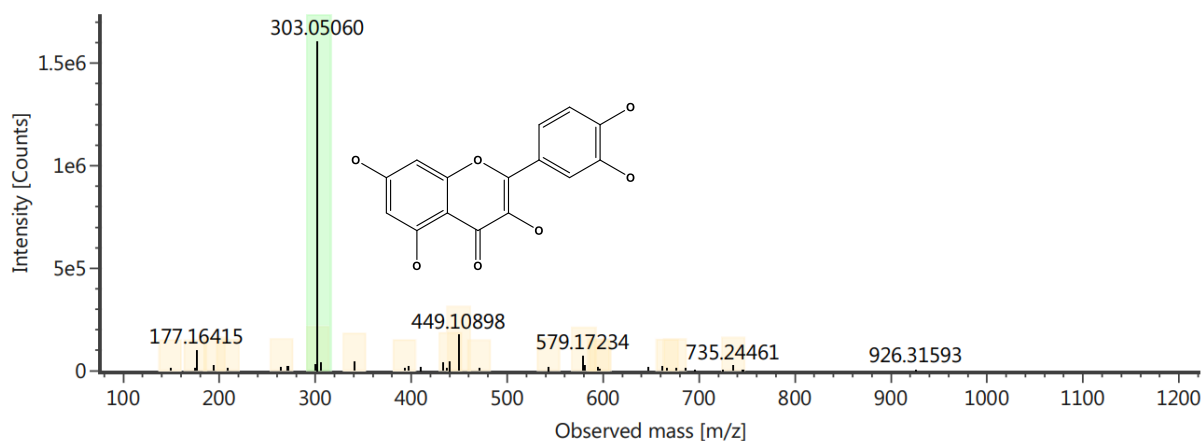


# Compound 15. Quercetin



## Low Energy

Item description:



## High Energy

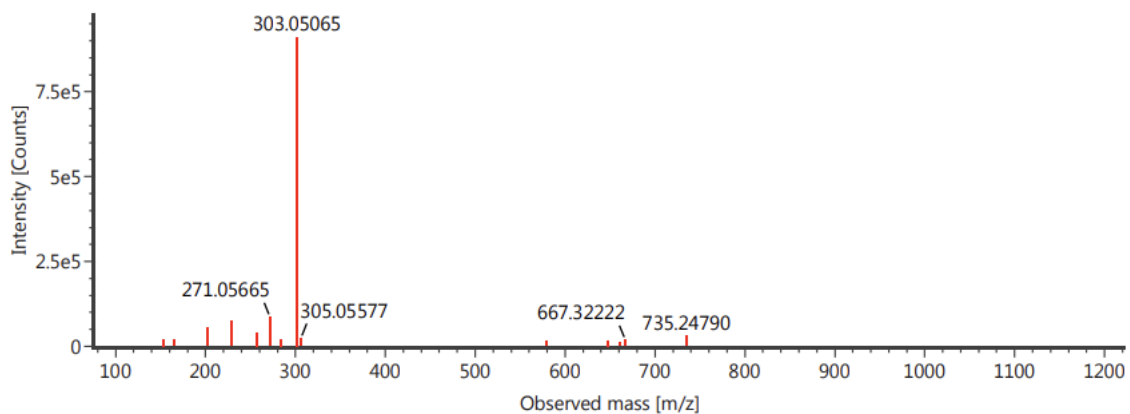


Table 1.

Phytochemical screening of *C. latifolia* extracts using LC-MS/MS.

No	RT (min)	Observed MS (m/z)	Molecular ion	Compounds	Molecular Formula	Extract
1	3.36	183.06	M+H, +Na	Methyl-3-hydroxy-4-methoxybenzoate	C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>	HRE, REAE, REE
2	7.68	301.21	M+H	Sugiol	C <sub>20</sub> H <sub>28</sub> O <sub>2</sub>	HRE
3	12.91	429.37	M+H	Stigmastan-3,6-dione	C <sub>29</sub> H <sub>48</sub> O <sub>2</sub>	HSE, REAE
4	3.61	197.12	M+H	Digiprolactone	C <sub>11</sub> H <sub>16</sub> O <sub>3</sub>	HLE, LEAE
5	9.94	609.27	M+H	Azedarachin C	C <sub>32</sub> H <sub>42</sub> O <sub>10</sub>	LEAE
6	3.75	489.14	M+H, +Na	Curculigoside	C <sub>22</sub> H <sub>26</sub> O <sub>11</sub>	REAE, REE
7	3.58	305.102	M+H, +Na	Aviprin	C <sub>16</sub> H <sub>16</sub> O <sub>6</sub>	REAE
8	6.14	453.34	M+H	Lucialdehyde B	C <sub>30</sub> H <sub>44</sub> O <sub>3</sub>	SEAE, REAE
9	5.30	181.12	M+H	3-tert-butyl-4-methoxyphenol	C <sub>11</sub> H <sub>16</sub> O <sub>2</sub>	HLE
10	2.14	125.06	M+H	Guaiacol	C <sub>7</sub> H <sub>8</sub> O <sub>2</sub>	REE
11	2.49	317.102	M+H	Smilaxin	C <sub>17</sub> H <sub>16</sub> O <sub>6</sub>	REE
12	2.44	355.102	M+H, +Na	4-O-Caffeoylquinic acid-1	C <sub>16</sub> H <sub>18</sub> O <sub>9</sub>	SEE, LEE
13	2.93	492.13	M+H, +Na	5,2',6'-Trihydroxy-7,8-dimethoxy-flavone-2'-O-β-D-glucopyranoside	C <sub>23</sub> H <sub>24</sub> O <sub>12</sub>	SEE
14	3.76	288.6	M+H, +Na	5,7,3',5'-Tetrahydroxyflavanone	C <sub>15</sub> H <sub>12</sub> O <sub>6</sub>	SEE
15	3.52	303.05	M+H	Quercetin	C <sub>15</sub> H <sub>10</sub> O <sub>7</sub>	LEE