

Data File : BM025548.D  
Acq On : 13 Mar 2020 19:24  
Operator : CG/JU  
Sample : L1786-10  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AC6

Quant Time: Mar 16 05:40:08 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM030920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 16 05:37:34 2020  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 5        | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.42 | 136  | 77       | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.28 | 164  | 280      | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 0.00  | 188  | 0        | 0.00 | ng/ul | -17.03   |
| 16) Chrysene-d12          | 21.21 | 240  | 392      | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.42 | 264  | 14       | 0.40 | ng/ul | 0.01     |

|                             |       |     |      |       |       |      |
|-----------------------------|-------|-----|------|-------|-------|------|
| System Monitoring Compounds |       |     |      |       |       |      |
| 4) 2-Methylnaphthalene-d10  | 12.02 | 152 | 2037 | 14.67 | ng/ul | 0.00 |
| 14) Fluoranthene-d10        | 19.06 | 212 | 4718 | 0.00  | ng/ul | 0.00 |

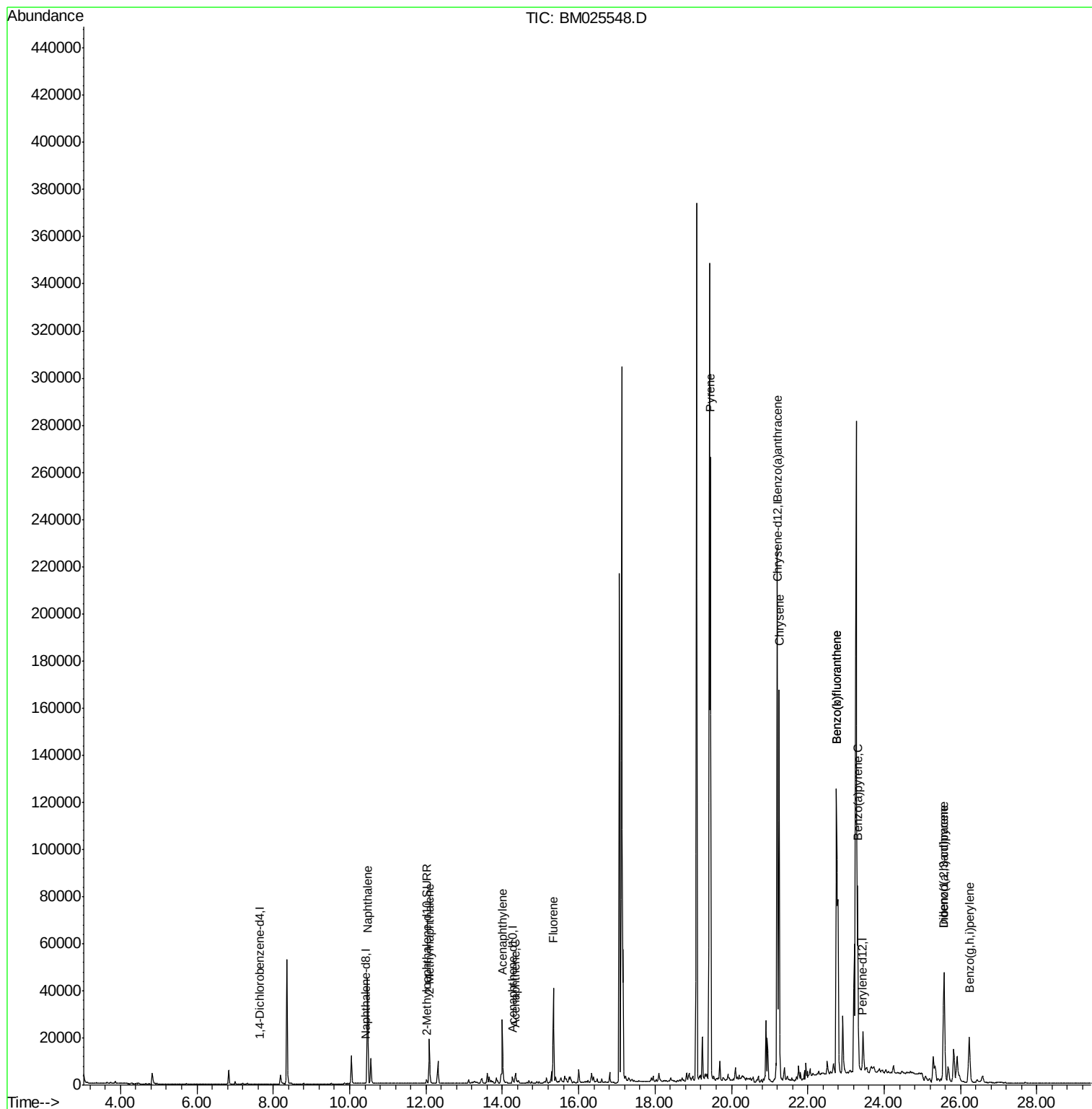
|                            |       |     |        |          |        |     |
|----------------------------|-------|-----|--------|----------|--------|-----|
| Target Compounds           |       |     |        | Qvalue   |        |     |
| 3) Naphthalene             | 10.47 | 128 | 60197  | 264.090  | ng/ul  | 98  |
| 5) 2-Methylnaphthalene     | 12.09 | 142 | 13485  | 82.772   | ng/ul  | 99  |
| 7) Acenaphthylene          | 14.00 | 152 | 28298  | 24.736   | ng/ul# | 86  |
| 8) Acenaphthene            | 14.35 | 153 | 2913   | 2.903    | ng/ul  | 98  |
| 9) Fluorene                | 15.33 | 166 | 25583  | 20.923   | ng/ul  | 99  |
| 17) Pyrene                 | 19.45 | 202 | 221757 | 126.037  | ng/ul  | 100 |
| 18) Benzo(a)anthracene     | 21.20 | 228 | 188043 | 134.171  | ng/ul  | 98  |
| 19) Chrysene               | 21.25 | 228 | 154092 | 97.909   | ng/ul  | 98  |
| 21) Benzo(b)fluoranthene   | 22.75 | 252 | 285617 | 5152.062 | ng/ul  | 96  |
| 22) Benzo(k)fluoranthene   | 22.75 | 252 | 285617 | 4917.228 | ng/ul  | 96  |
| 23) Benzo(a)pyrene         | 23.30 | 252 | 107726 | 2340.037 | ng/ul# | 94  |
| 24) Indeno(1,2,3-cd)pyrene | 25.56 | 276 | 72128  | 1154.839 | ng/ul# | 99  |
| 25) Dibenzo(a,h)anthracene | 25.57 | 278 | 24565  | 467.535  | ng/ul  | 97  |
| 26) Benzo(g,h,i)perylene   | 26.23 | 276 | 39514  | 729.338  | ng/ul  | 98  |

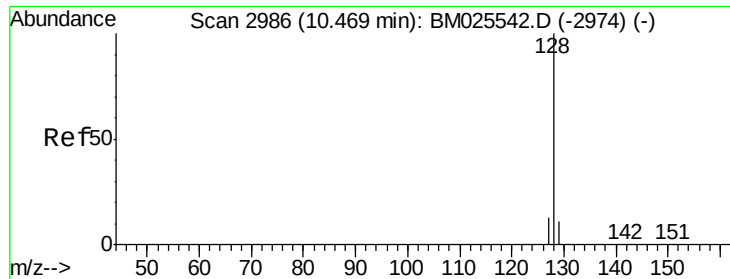
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 16 05:37:34 2020  
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#3

Naphthalene

Concen: 264.090 ng/ul

RT: 10.47 min Scan# 2986

Delta R.T. 0.00 min

Lab File: BM025548.D

Acq: 13 Mar 2020 19:24

Instrument :

BNA\_M

ClientSampleId :

C0AC6

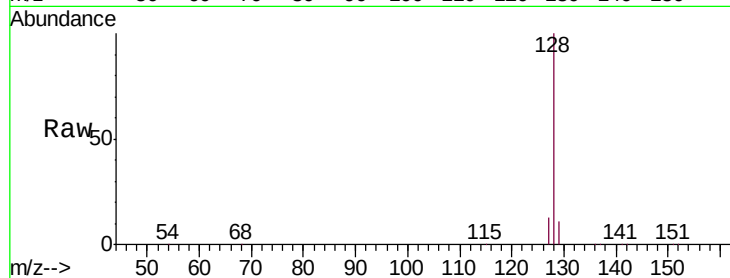
Tgt Ion:128 Resp: 60197

Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.0

127 12.8 10.9 16.3

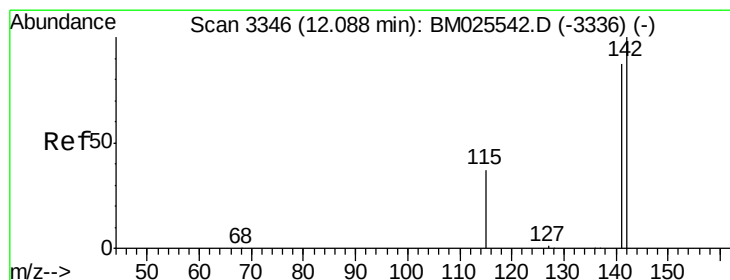
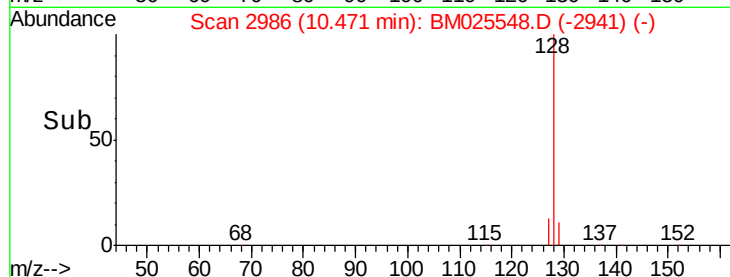
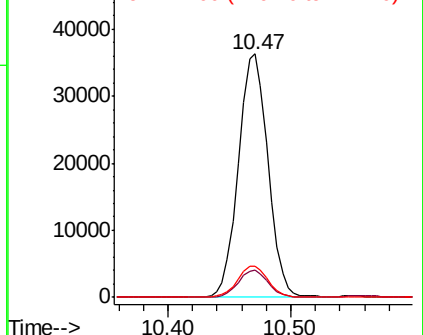


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 82.772 ng/ul

RT: 12.09 min Scan# 3346

Delta R.T. 0.00 min

Lab File: BM025548.D

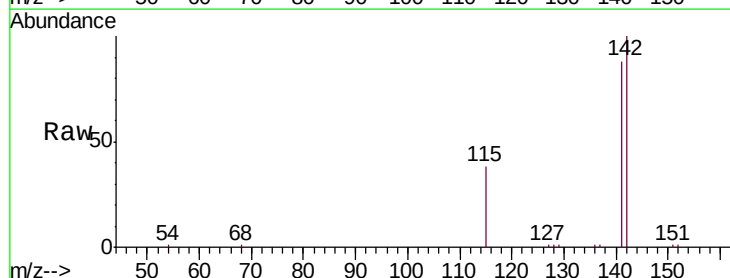
Acq: 13 Mar 2020 19:24

Tgt Ion:142 Resp: 13485

Ion Ratio Lower Upper

142 100

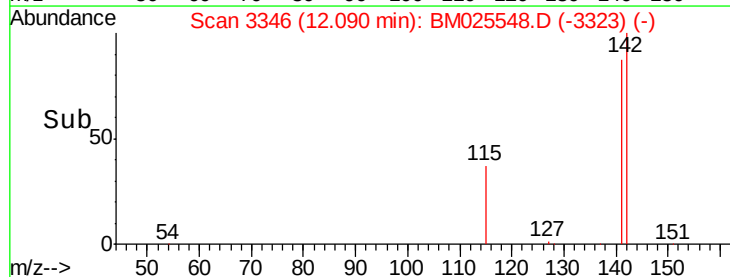
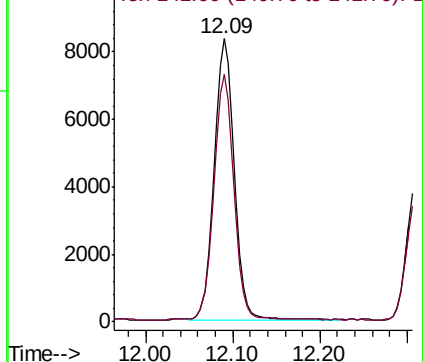
141 87.7 69.8 104.6

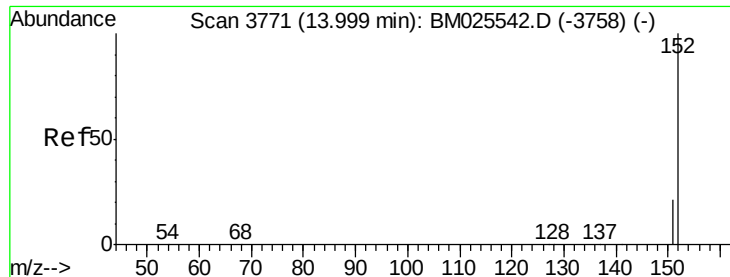


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 24.736 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. 0.00 min

Lab File: BM025548.D

Acq: 13 Mar 2020 19:24

Instrument :

BNA\_M

ClientSampleId :

C0AC6

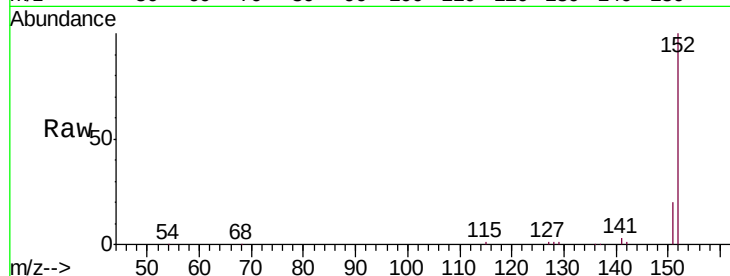
Tgt Ion:152 Resp: 28298

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.2

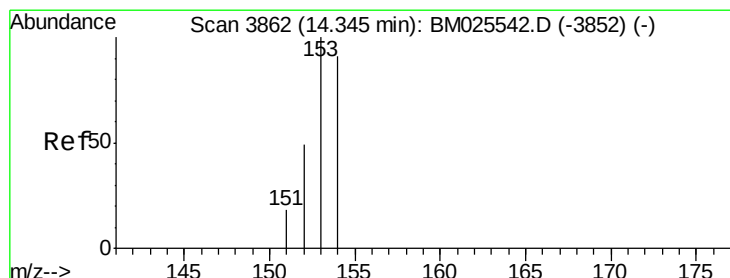
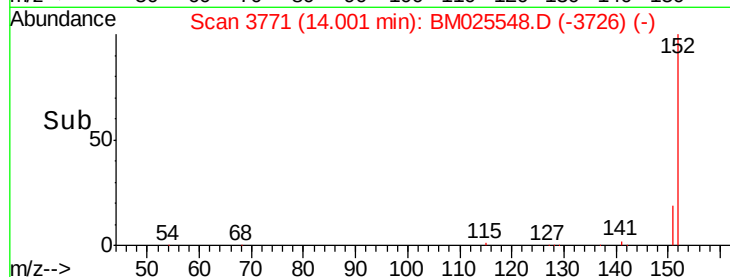
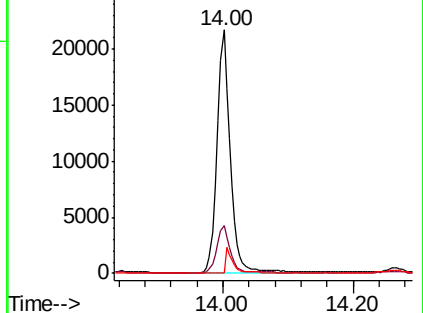
153 0.0 10.6 16.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 2.903 ng/ul

RT: 14.35 min Scan# 3862

Delta R.T. 0.00 min

Lab File: BM025548.D

Acq: 13 Mar 2020 19:24

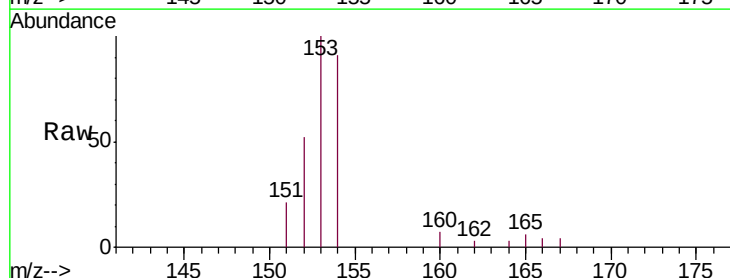
Tgt Ion:153 Resp: 2913

Ion Ratio Lower Upper

153 100

152 52.0 39.5 59.3

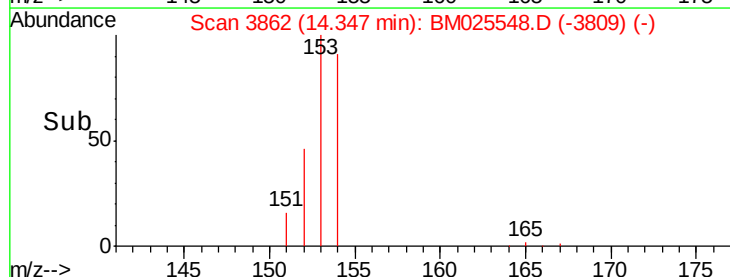
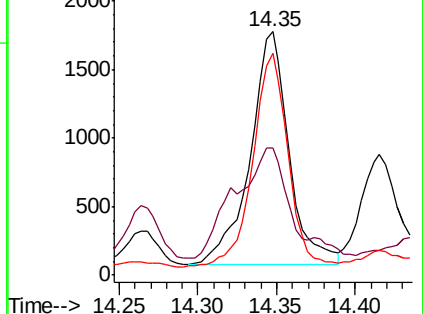
154 91.3 71.7 107.5

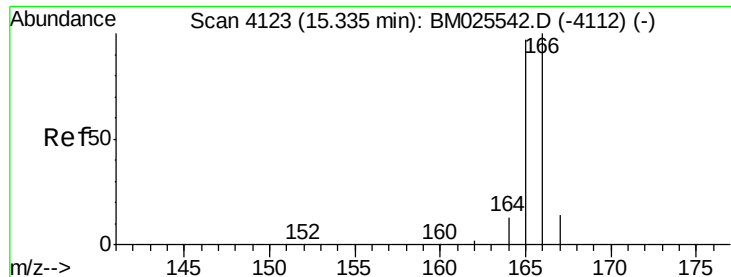


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

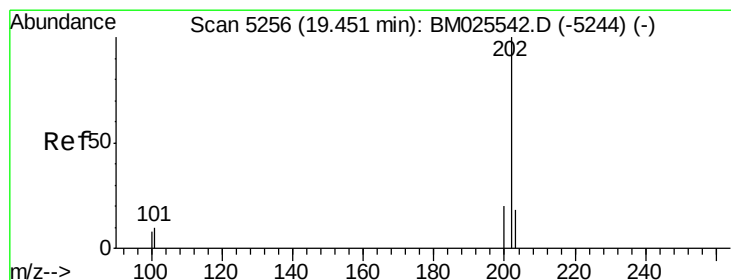
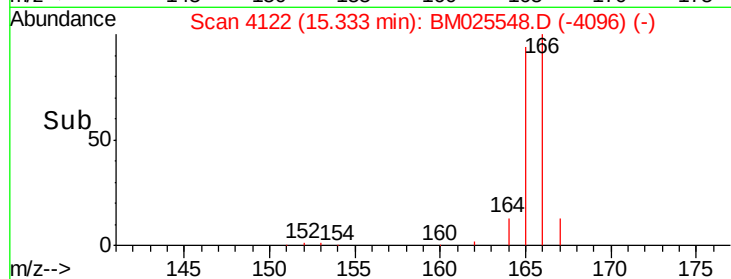
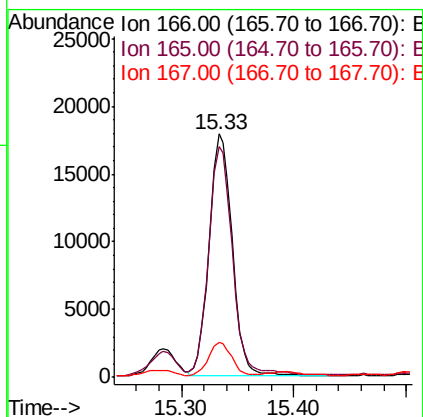
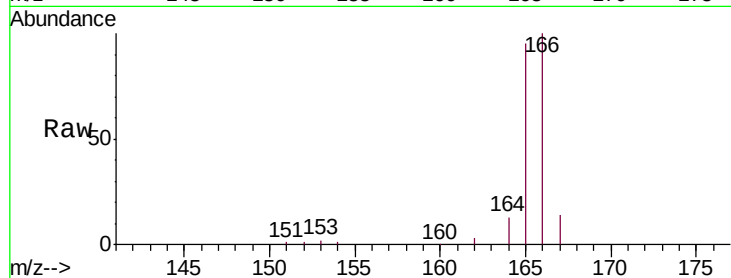




#9  
**Fluorene**  
 Concen: 20.923 ng/ul  
 RT: 15.33 min Scan# 4122  
 Delta R.T. -0.00 min  
 Lab File: BM025548.D  
 Acq: 13 Mar 2020 19:24

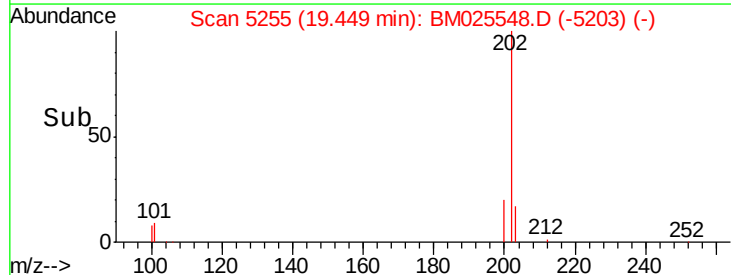
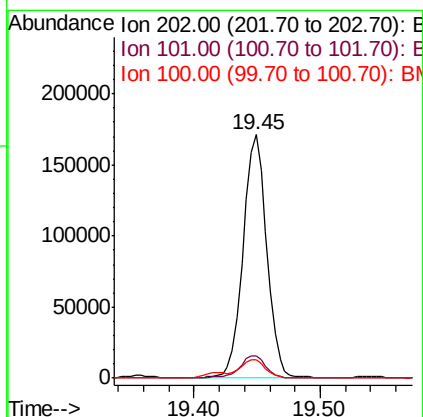
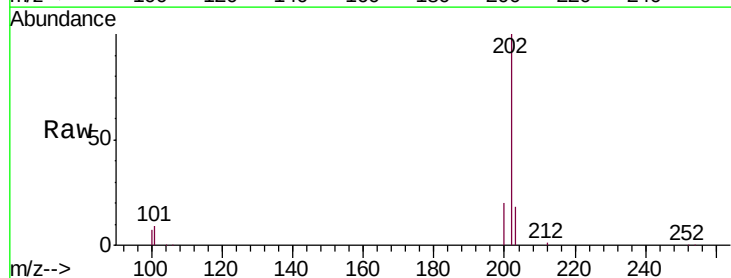
Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AC6

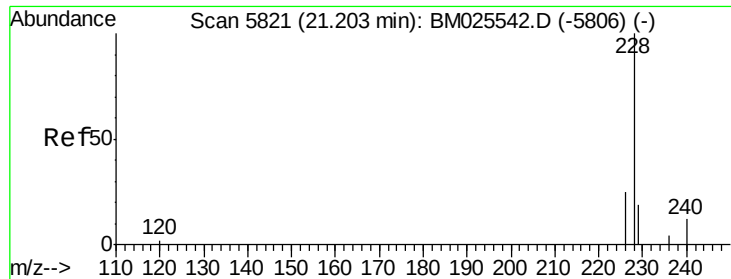
Tgt Ion:166 Resp: 25583  
 Ion Ratio Lower Upper  
 166 100  
 165 94.9 76.8 115.2  
 167 14.4 11.2 16.8



#17  
**Pyrene**  
 Concen: 126.037 ng/ul  
 RT: 19.45 min Scan# 5255  
 Delta R.T. -0.00 min  
 Lab File: BM025548.D  
 Acq: 13 Mar 2020 19:24

Tgt Ion:202 Resp: 221757  
 Ion Ratio Lower Upper  
 202 100  
 101 9.2 7.1 10.7  
 100 7.5 6.0 9.0





#18

Benzo(a)anthracene

Concen: 134.171 ng/ul

RT: 21.20 min Scan# 5819

Delta R.T. -0.00 min

Lab File: BM025548.D

Acq: 13 Mar 2020 19:24

Instrument :

BNA\_M

ClientSampleId :

C0AC6

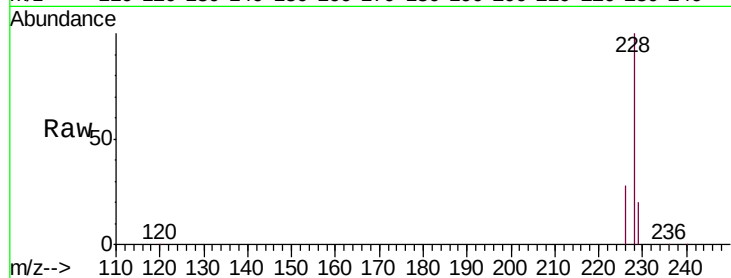
Tgt Ion:228 Resp: 188043

Ion Ratio Lower Upper

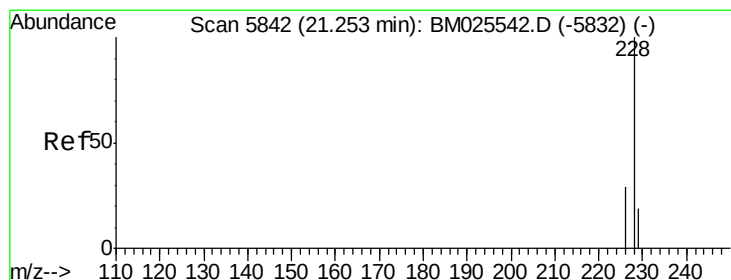
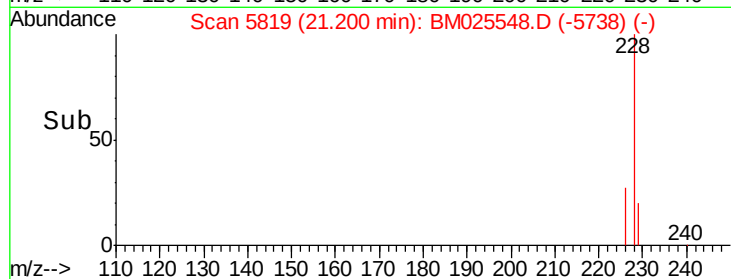
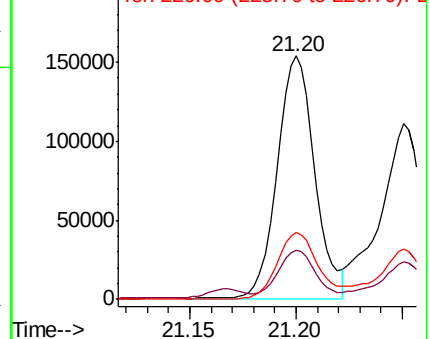
228 100

229 20.1 15.6 23.4

226 27.6 21.1 31.7



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 229.00 (228.70 to 229.70): E  
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 97.909 ng/ul

RT: 21.25 min Scan# 5840

Delta R.T. -0.00 min

Lab File: BM025548.D

Acq: 13 Mar 2020 19:24

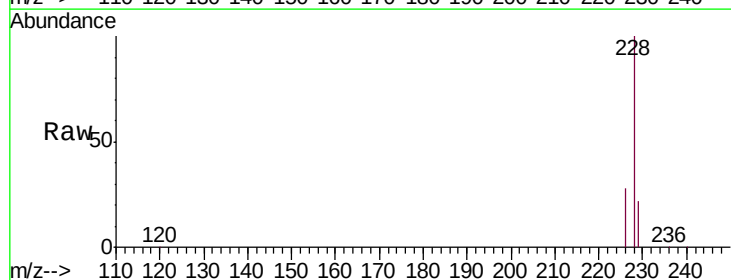
Tgt Ion:228 Resp: 154092

Ion Ratio Lower Upper

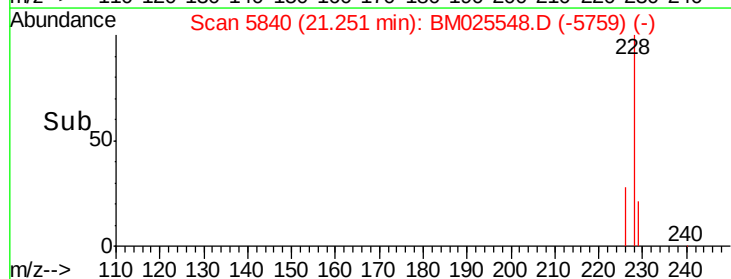
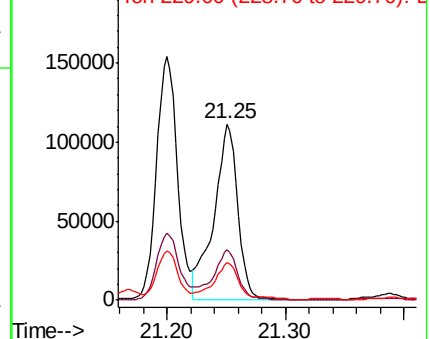
228 100

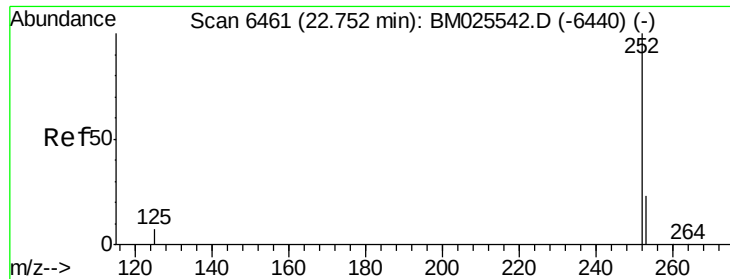
226 28.5 23.6 35.4

229 21.6 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 5152.062 ng/ul

RT: 22.75 min Scan# 6460

Delta R.T. -0.00 min

Lab File: BM025548.D

Acq: 13 Mar 2020 19:24

Instrument :

BNA\_M

ClientSampleId :

C0AC6

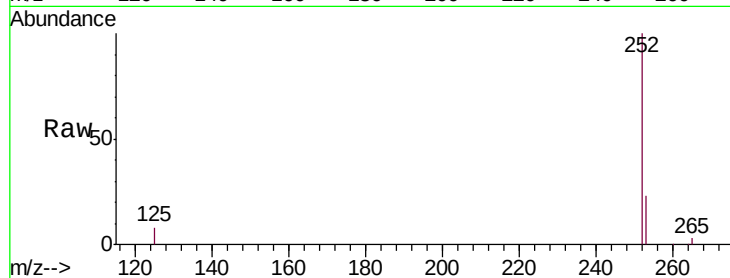
Tgt Ion:252 Resp: 285617

Ion Ratio Lower Upper

252 100

253 22.9 0.0 50.2

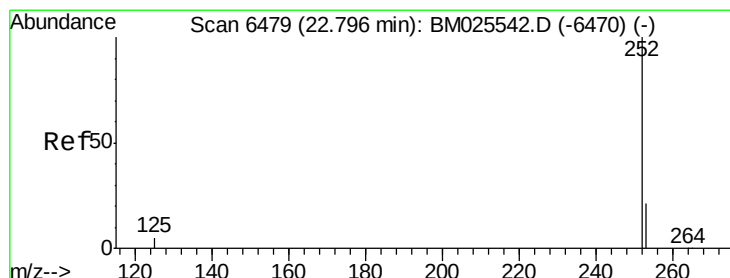
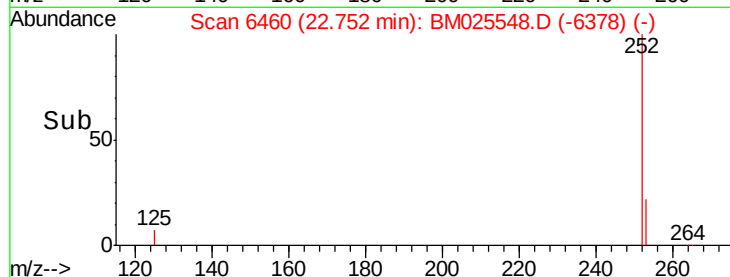
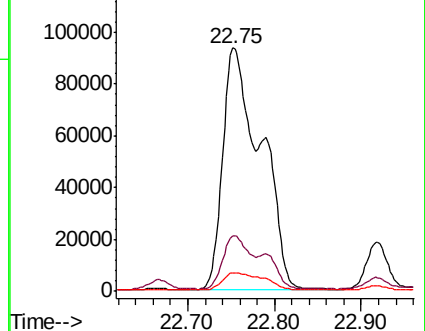
125 7.7 0.0 17.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 4917.228 ng/ul

RT: 22.75 min Scan# 6460

Delta R.T. -0.04 min

Lab File: BM025548.D

Acq: 13 Mar 2020 19:24

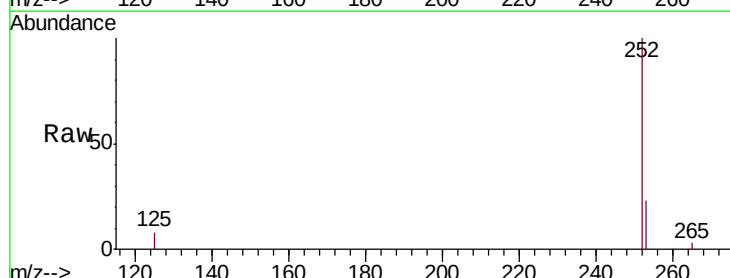
Tgt Ion:252 Resp: 285617

Ion Ratio Lower Upper

252 100

253 22.9 19.8 29.8

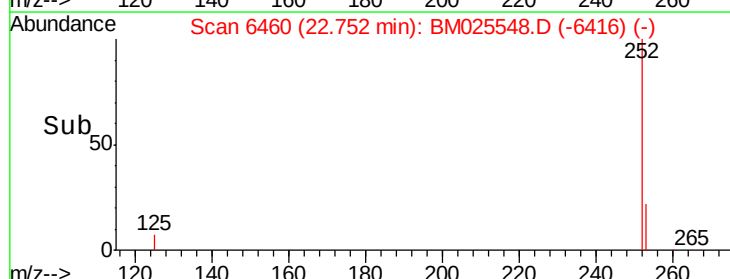
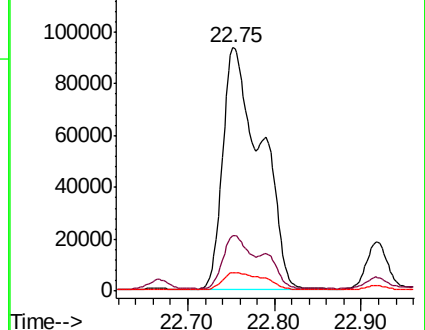
125 7.7 7.1 10.7

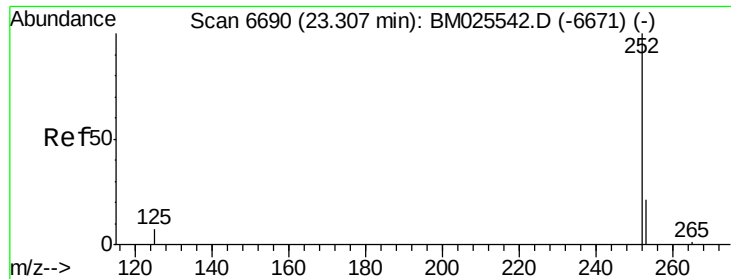


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2340.037 ng/ul

RT: 23.30 min Scan# 6688

Delta R.T. -0.00 min

Lab File: BM025548.D

Acq: 13 Mar 2020 19:24

Instrument :

BNA\_M

ClientSampleId :

C0AC6

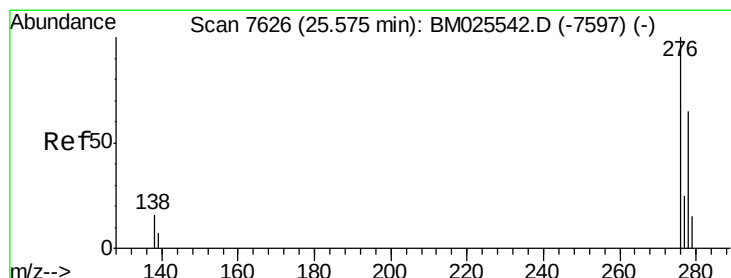
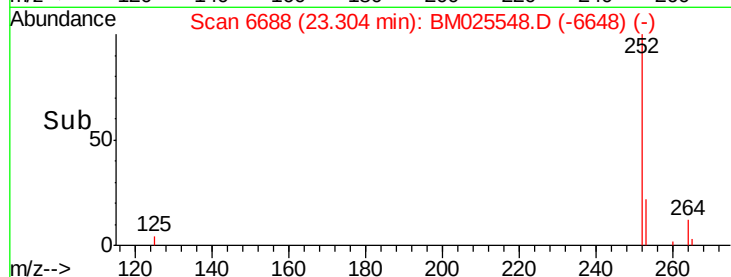
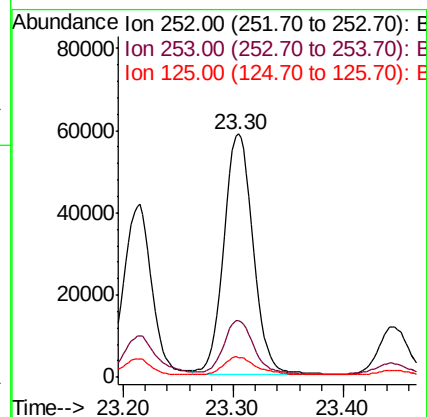
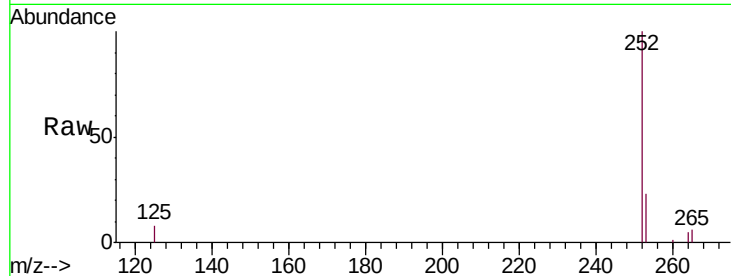
Tgt Ion:252 Resp: 107726

Ion Ratio Lower Upper

252 100

253 23.2 21.3 31.9

125 8.3 8.5 12.7#



#24

Indeno(1,2,3-cd)pyrene

Concen: 1154.839 ng/ul

RT: 25.56 min Scan# 7621

Delta R.T. -0.01 min

Lab File: BM025548.D

Acq: 13 Mar 2020 19:24

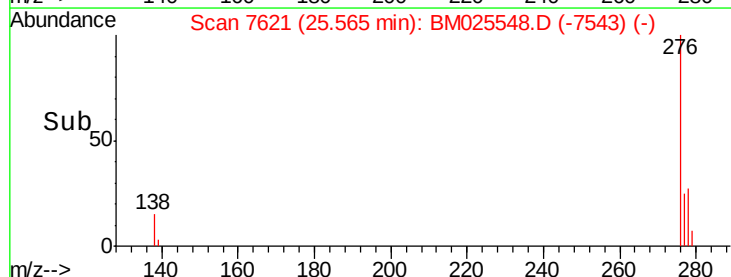
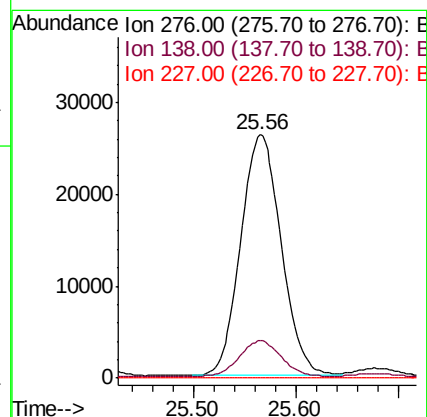
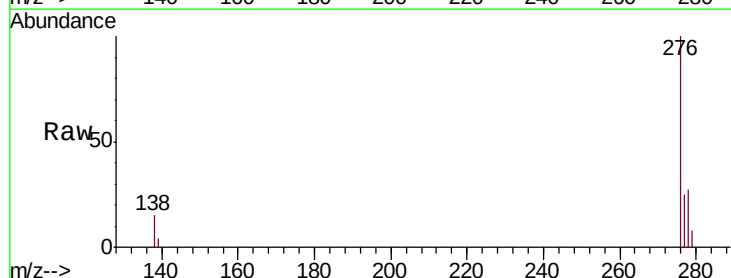
Tgt Ion:276 Resp: 72128

Ion Ratio Lower Upper

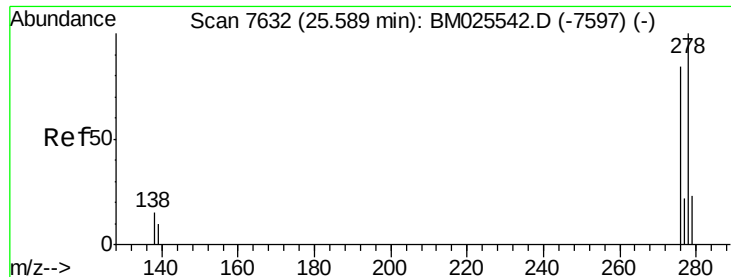
276 100

138 15.0 12.3 18.5

227 0.0 0.0 0.0



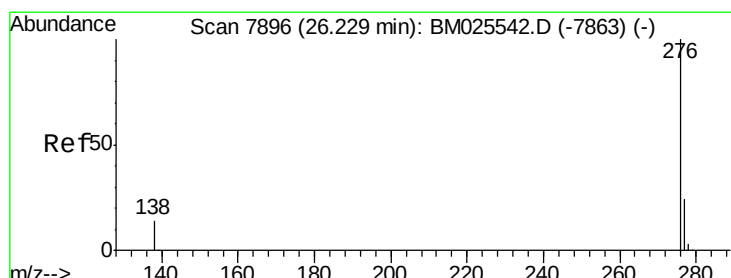
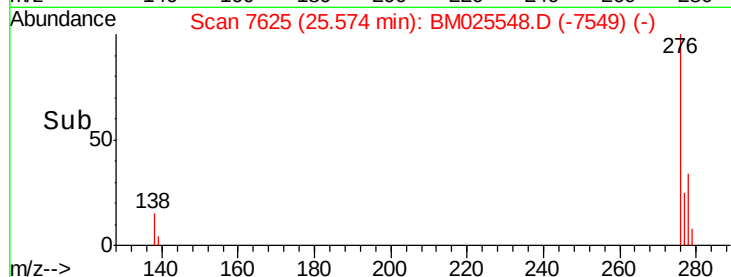
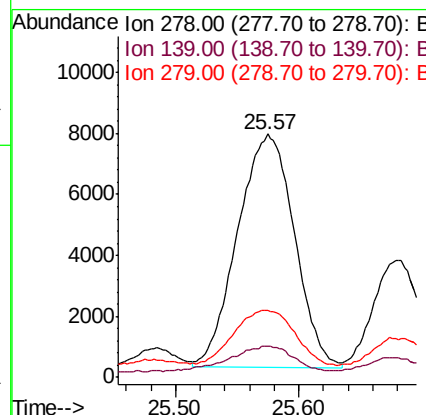
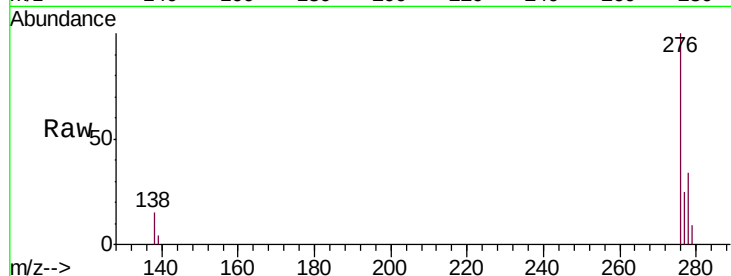




#25  
Dibenzo(a,h)anthracene  
Concen: 467.535 ng/ul  
RT: 25.57 min Scan# 7625  
Delta R.T. -0.01 min  
Lab File: BM025548.D  
Acq: 13 Mar 2020 19:24

Instrument :  
BNA\_M  
ClientSampleId :  
C0AC6

Tgt Ion:278 Resp: 24565  
Ion Ratio Lower Upper  
278 100  
139 13.0 9.0 13.6  
279 27.7 21.1 31.7



#26  
Benzo(g,h,i)perylene  
Concen: 729.338 ng/ul  
RT: 26.23 min Scan# 7895  
Delta R.T. -0.00 min  
Lab File: BM025548.D  
Acq: 13 Mar 2020 19:24

Tgt Ion:276 Resp: 39514  
Ion Ratio Lower Upper  
276 100  
138 15.6 11.0 16.4  
277 24.8 19.8 29.6

