

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
 Data File : BM025377.D  
 Acq On : 08 Mar 2020 09:37  
 Operator : CG/JU  
 Sample : L1616-10  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Mar 09 01:14:53 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 04 08:02:03 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 3786     | 0.40 | ng/ul | -0.01    |
| 2) Naphthalene-d8         | 10.43 | 136  | 16089    | 0.40 | ng/ul | -0.01    |
| 6) Acenaphthene-d10       | 14.29 | 164  | 11349    | 0.40 | ng/ul | -0.01    |
| 10) Phenanthrene-d10      | 0.00  | 188  | 0        | 0.00 | ng/ul | -17.05   |
| 16) Chrysene-d12          | 21.22 | 240  | 30653    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.41 | 264  | 33414    | 0.40 | ng/ul | 0.00     |

|                             |       |     |       |      |       |       |
|-----------------------------|-------|-----|-------|------|-------|-------|
| System Monitoring Compounds |       |     |       |      |       |       |
| 4) 2-Methylnaphthalene-d10  | 12.03 | 152 | 7899  | 0.26 | ng/ul | -0.01 |
| 14) Fluoranthene-d10        | 19.06 | 212 | 24224 | 0.00 | ng/ul | -0.01 |

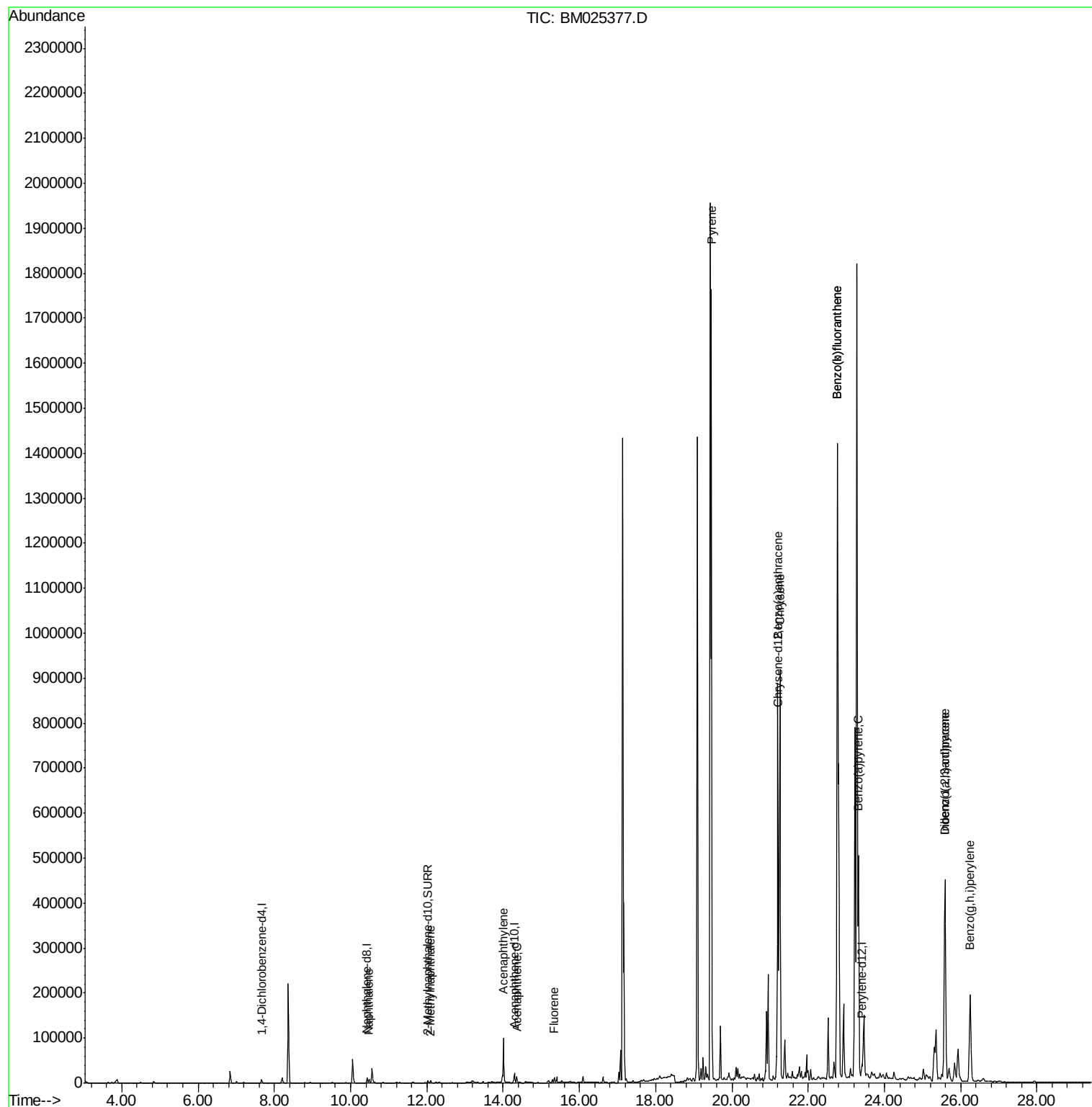
|                            |       |     |         |        |        |     |
|----------------------------|-------|-----|---------|--------|--------|-----|
| Target Compounds           |       |     |         | Ovalue |        |     |
| 3) Naphthalene             | 10.48 | 128 | 9228    | 0.191  | ng/ul# | 84  |
| 5) 2-Methylnaphthalene     | 12.10 | 142 | 4055    | 0.115  | ng/ul  | 100 |
| 7) Acenaphthylene          | 14.01 | 152 | 62674   | 1.179  | ng/ul  | 93  |
| 8) Acenaphthene            | 14.36 | 153 | 8198    | 0.199  | ng/ul  | 99  |
| 9) Fluorene                | 15.34 | 166 | 8400    | 0.163  | ng/ul  | 95  |
| 17) Pyrene                 | 19.46 | 202 | 1446643 | 12.444 | ng/ul  | 96  |
| 18) Benzo(a)anthracene     | 21.21 | 228 | 730017  | 6.479  | ng/ul  | 99  |
| 19) Chrysene               | 21.26 | 228 | 1086864 | 8.779  | ng/ul  | 99  |
| 21) Benzo(b)fluoranthene   | 22.77 | 252 | 3036408 | 22.713 | ng/ul  | 91  |
| 22) Benzo(k)fluoranthene   | 22.77 | 252 | 3036408 | 21.658 | ng/ul# | 92  |
| 23) Benzo(a)pyrene         | 23.32 | 252 | 639736  | 5.700  | ng/ul# | 89  |
| 24) Indeno(1,2,3-cd)pyrene | 25.59 | 276 | 695995  | 4.975  | ng/ul# | 100 |
| 25) Dibenzo(a,h)anthracene | 25.59 | 278 | 164684  | 1.420  | ng/ul# | 95  |
| 26) Benzo(g,h,i)perylene   | 26.25 | 276 | 399980  | 3.366  | ng/ul# | 91  |

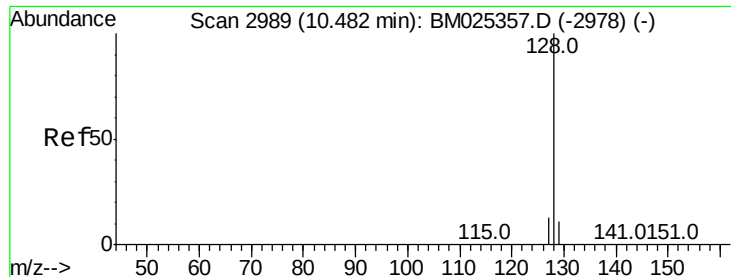
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 09 01:14:53 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 04 08:02:03 2020  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.191 ng/ul

RT: 10.48 min Scan# 2988

Delta R.T. -0.01 min

Lab File: BM025377.D

Acq: 08 Mar 2020 09:37

Instrument :

BNA\_M

ClientSampleId :

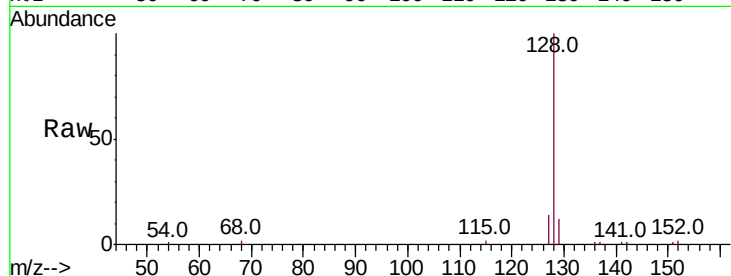
Tot Ion:128 Resp: 9228

Ion Ratio Lower Upper

128 100

129 12.4 17.0 25.6#

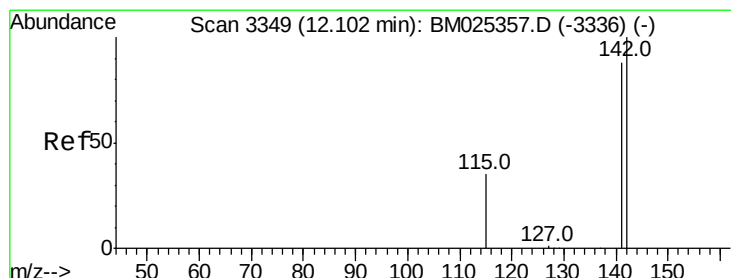
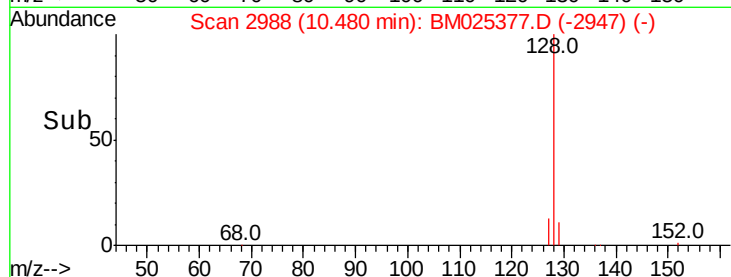
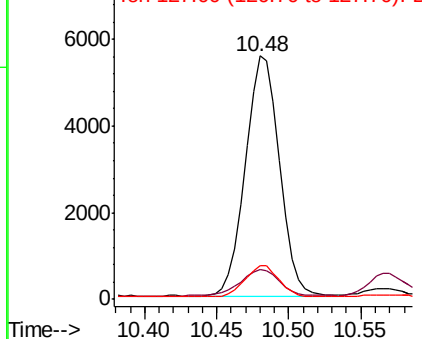
127 13.6 15.7 23.5#



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: 0.115 ng/ul

RT: 12.10 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BM025377.D

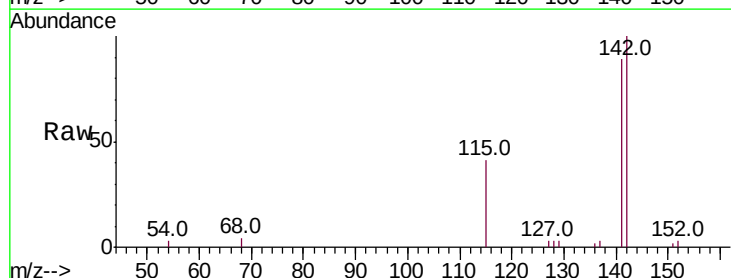
Acq: 08 Mar 2020 09:37

Tgt Ion:142 Resp: 4055

Ion Ratio Lower Upper

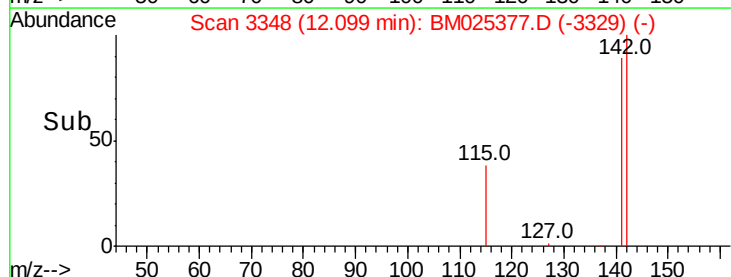
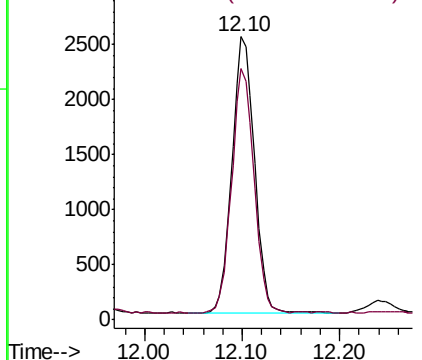
142 100

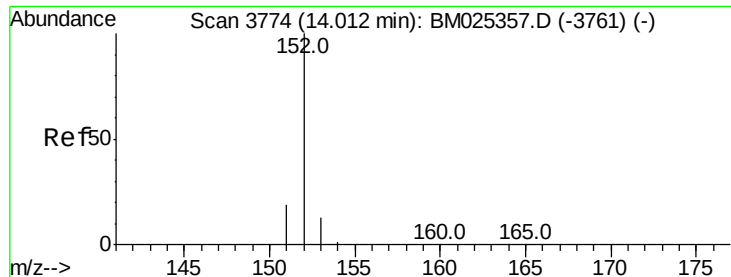
141 87.6 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.179 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.01 min

Lab File: BM025377.D

Acq: 08 Mar 2020 09:37

Instrument :

BNA\_M

ClientSampleId :

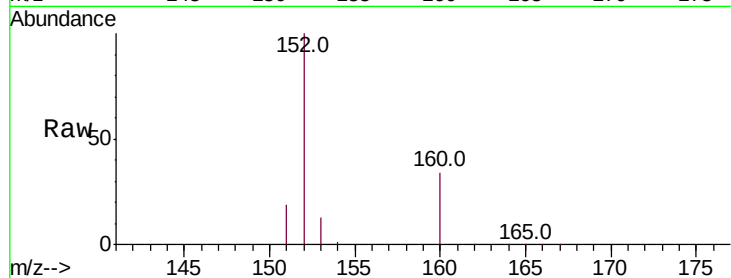
Tot Ion:152 Resp: 62674

Ion Ratio Lower Upper

152 100

151 19.3 17.8 26.8

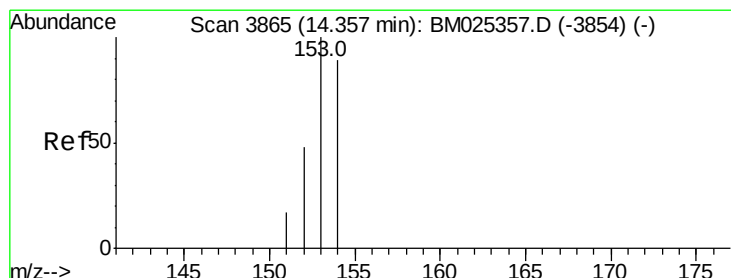
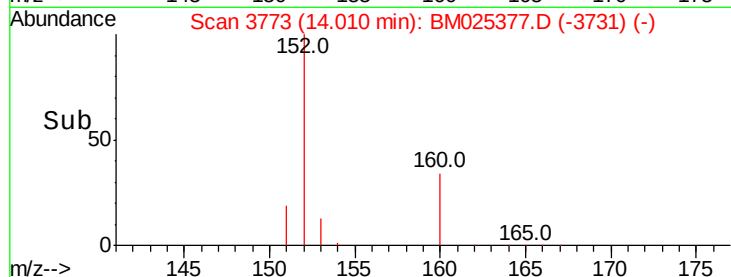
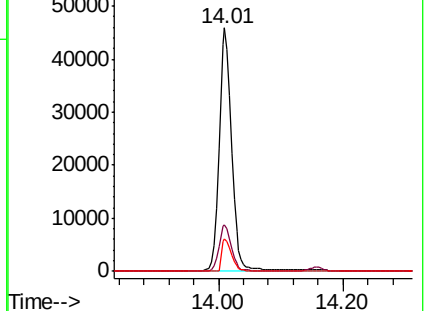
153 13.3 13.3 19.9



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: 0.199 ng/ul

RT: 14.36 min Scan# 3864

Delta R.T. -0.01 min

Lab File: BM025377.D

Acq: 08 Mar 2020 09:37

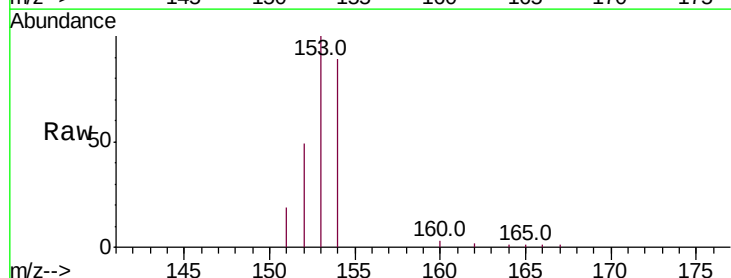
Tgt Ion:153 Resp: 8198

Ion Ratio Lower Upper

153 100

152 49.3 40.0 60.0

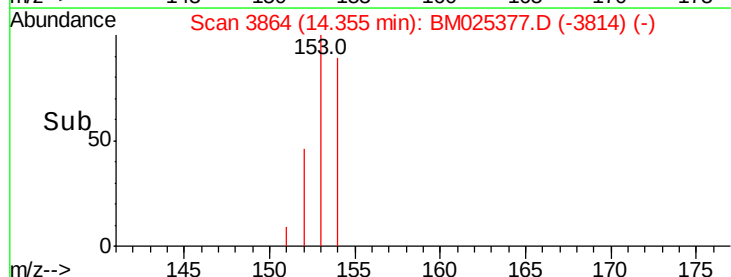
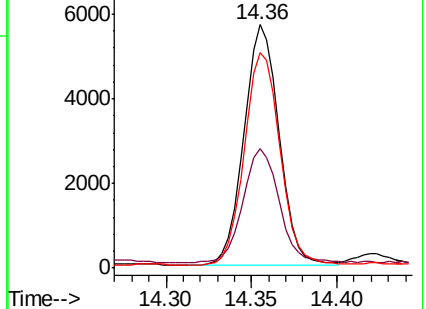
154 88.6 71.0 106.6

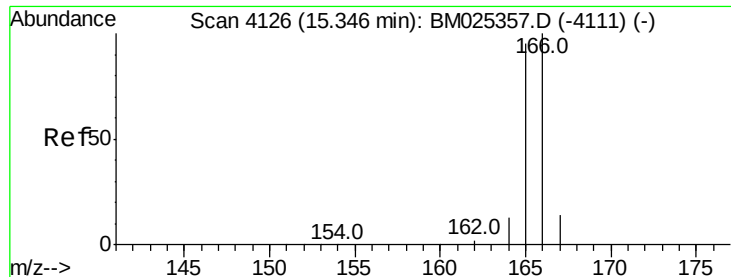


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

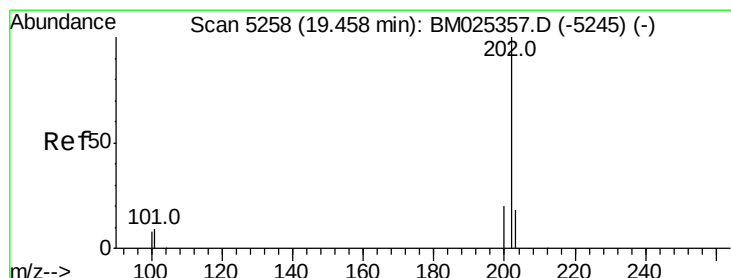
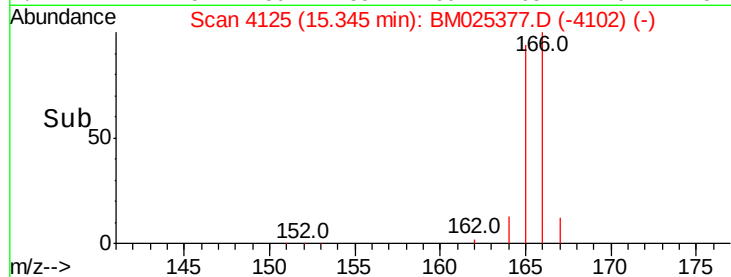
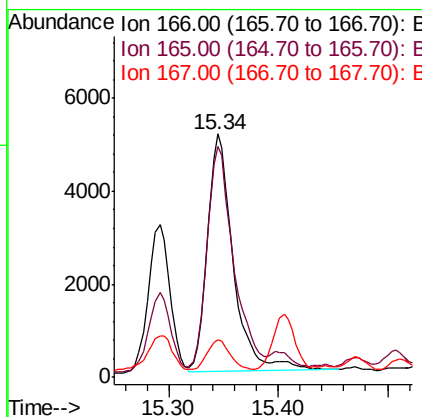
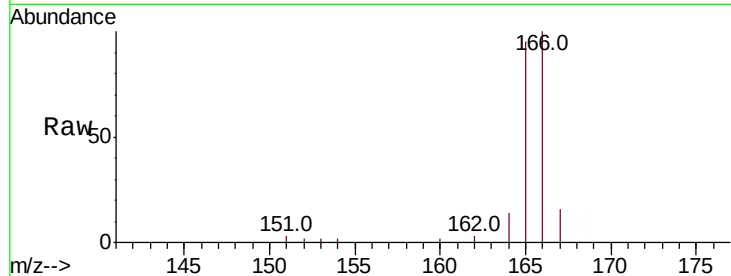




#9  
Fluorene  
Concen: 0.163 ng/ul  
RT: 15.34 min Scan# 4125  
Delta R.T. -0.01 min  
Lab File: BM025377.D  
Acq: 08 Mar 2020 09:37

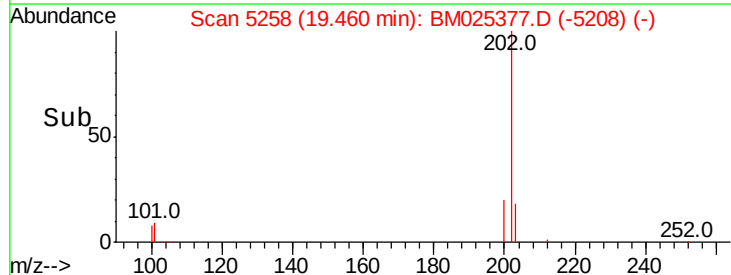
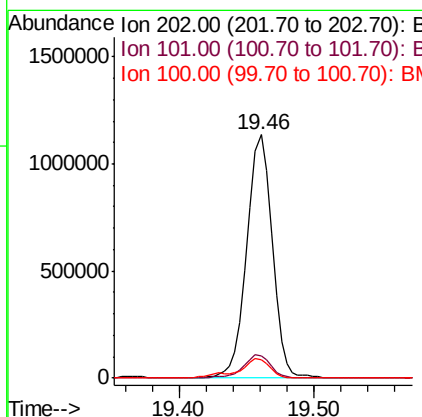
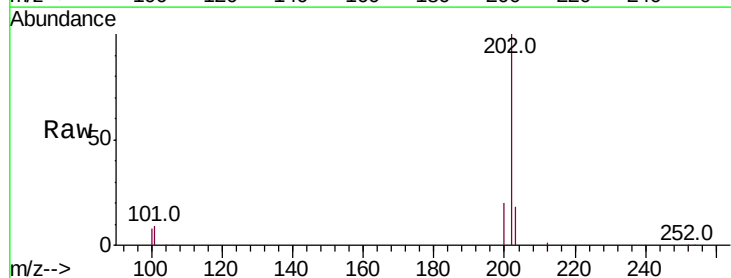
Instrument :  
BNA\_M  
ClientSampleId :

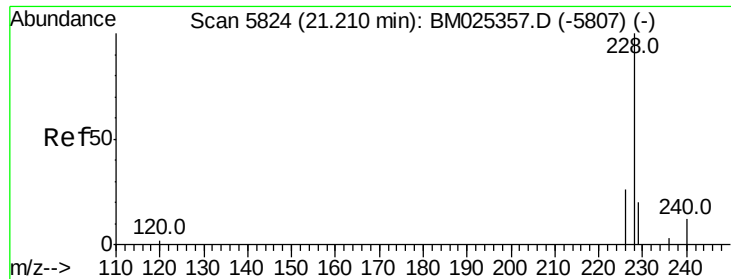
Tot Ion:166 Resp: 8400  
Ion Ratio Lower Upper  
166 100  
165 94.9 80.0 120.0  
167 15.5 13.7 20.5



#17  
Pyrene  
Concen: 12.444 ng/ul  
RT: 19.46 min Scan# 5258  
Delta R.T. -0.01 min  
Lab File: BM025377.D  
Acq: 08 Mar 2020 09:37

Tgt Ion:202 Resp: 1446643  
Ion Ratio Lower Upper  
202 100  
101 9.2 8.7 13.1  
100 7.5 7.3 10.9





#18

Benzo(a)anthracene

Concen: 6.479 ng/ul

RT: 21.21 min Scan# 5822

Delta R.T. -0.01 min

Lab File: BM025377.D

Acq: 08 Mar 2020 09:37

Instrument :

BNA\_M

ClientSampleId :

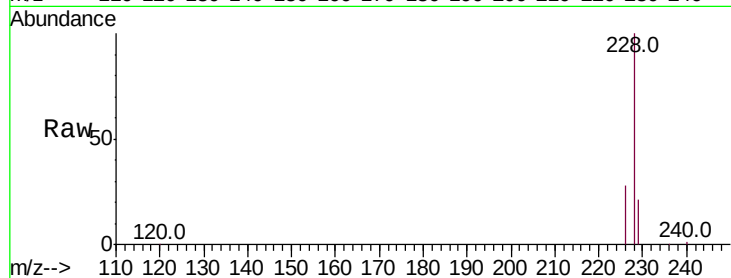
Tot Ion:228 Resp: 730017

Ion Ratio Lower Upper

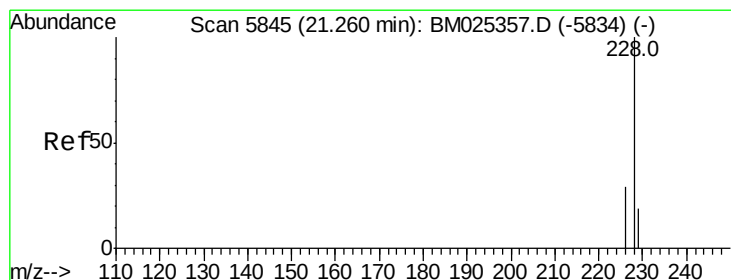
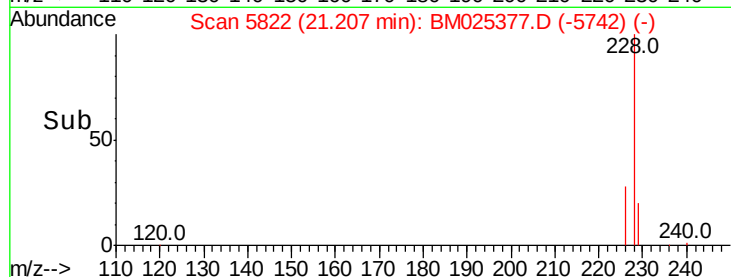
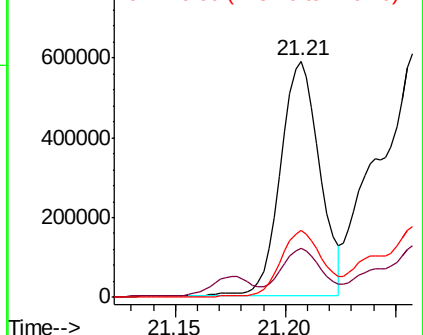
228 100

229 20.7 16.6 25.0

226 28.1 21.9 32.9



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: 8.779 ng/ul

RT: 21.26 min Scan# 5843

Delta R.T. -0.01 min

Lab File: BM025377.D

Acq: 08 Mar 2020 09:37

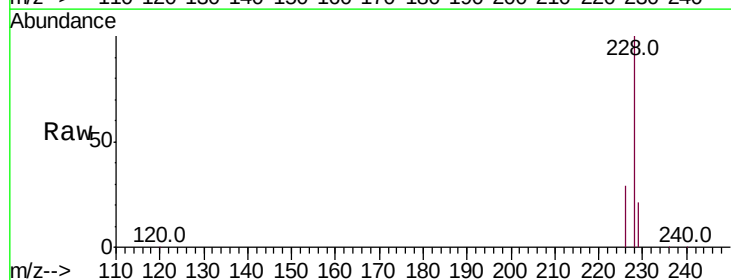
Tgt Ion:228 Resp: 1086864

Ion Ratio Lower Upper

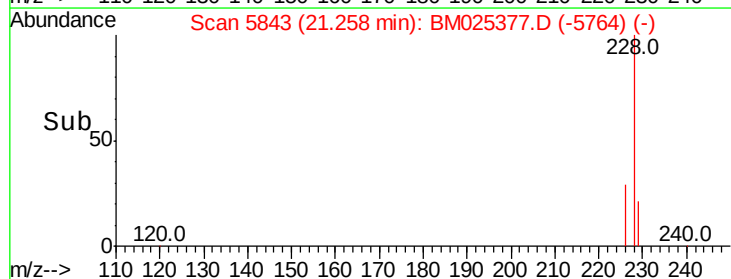
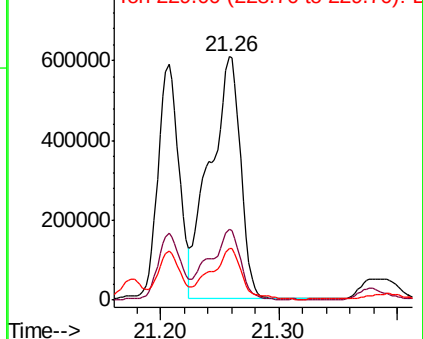
228 100

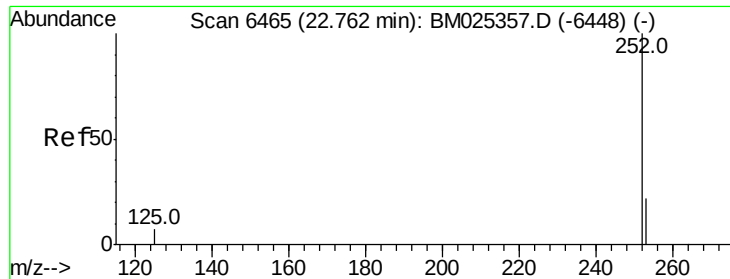
226 29.2 23.8 35.8

229 21.0 16.9 25.3



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: 22.713 ng/ul

RT: 22.77 min Scan# 6466

Delta R.T. -0.00 min

Lab File: BM025377.D

Acq: 08 Mar 2020 09:37

Instrument :

BNA\_M

ClientSampled :

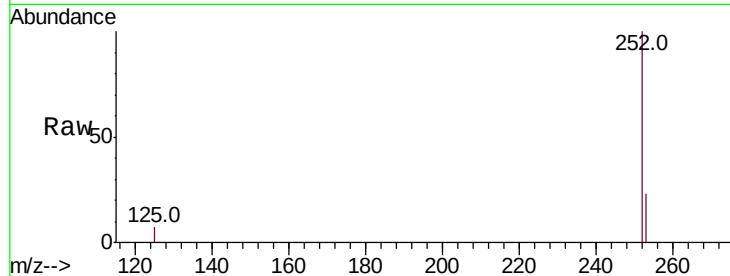
Tot Ion:252 Resp: 3036408

Ion Ratio Lower Upper

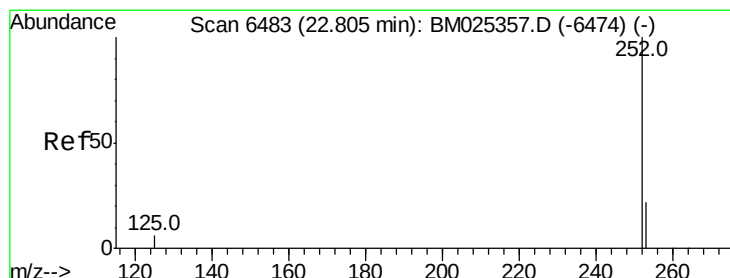
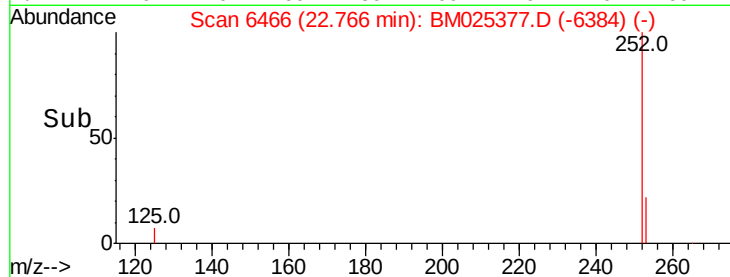
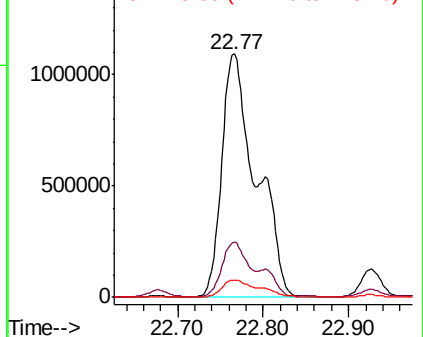
252 100

253 22.5 0.0 49.8

125 7.1 0.0 28.6



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: 21.658 ng/ul

RT: 22.77 min Scan# 6466

Delta R.T. -0.05 min

Lab File: BM025377.D

Acq: 08 Mar 2020 09:37

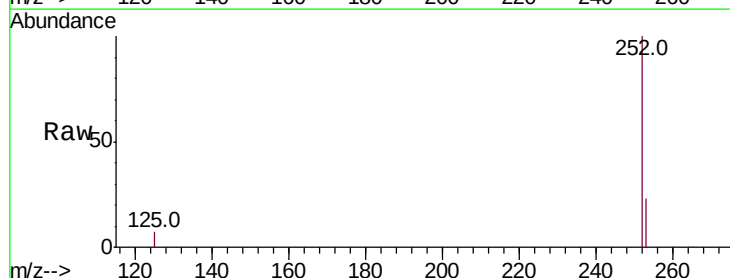
Tgt Ion:252 Resp: 3036408

Ion Ratio Lower Upper

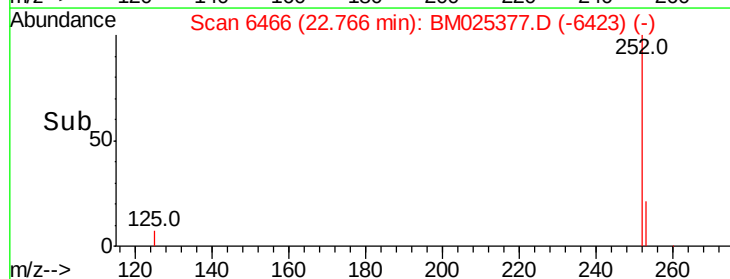
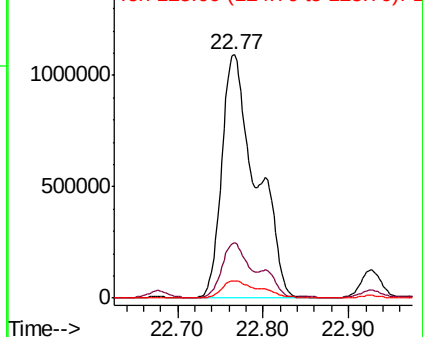
252 100

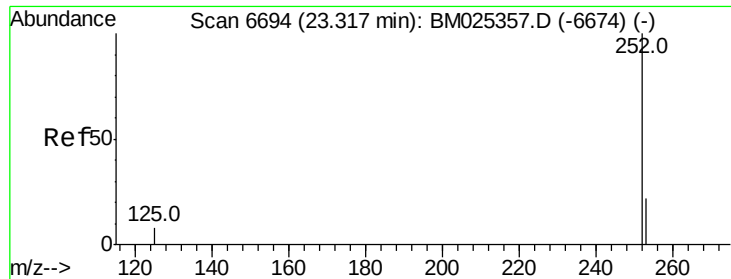
253 22.5 19.4 29.0

125 7.1 10.7 16.1#



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: 5.700 ng/ul

RT: 23.32 min Scan# 6694

Delta R.T. -0.00 min

Lab File: BM025377.D

Acq: 08 Mar 2020 09:37

Instrument :

BNA\_M

ClientSampleId :

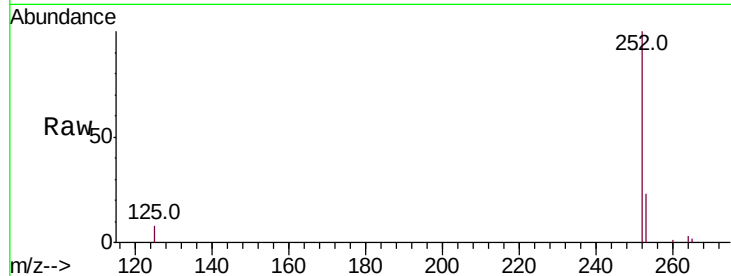
Tot Ion:252 Resp: 639736

Ion Ratio Lower Upper

252 100

253 22.9 20.3 30.5

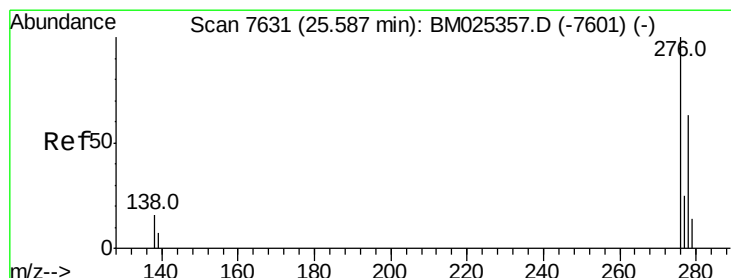
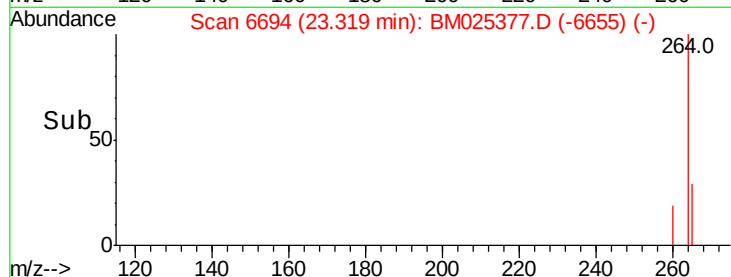
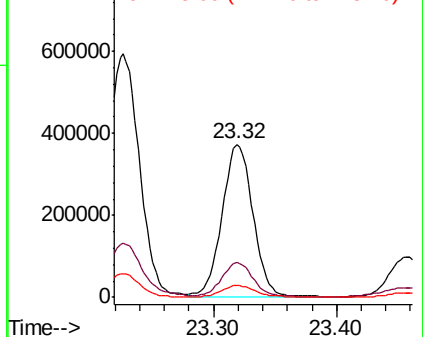
125 7.7 13.0 19.4#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 4.975 ng/ul

RT: 25.59 min Scan# 7630

Delta R.T. -0.02 min

Lab File: BM025377.D

Acq: 08 Mar 2020 09:37

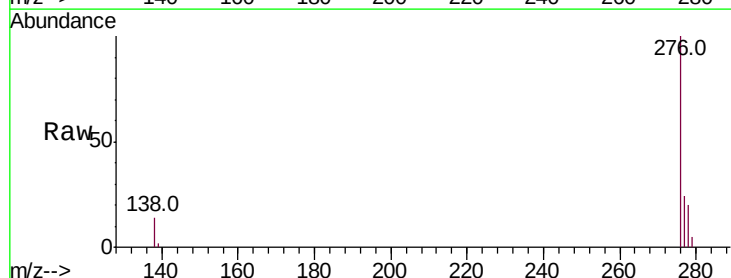
Tgt Ion:276 Resp: 695995

Ion Ratio Lower Upper

276 100

138 14.4 0.0 0.0#

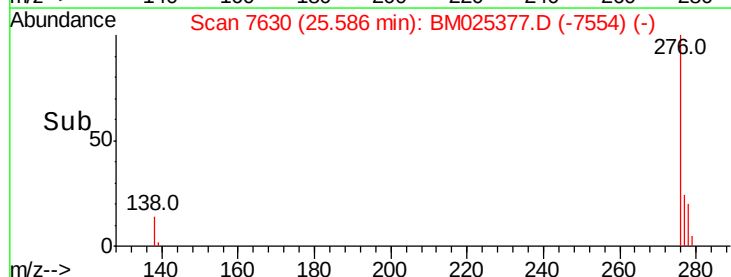
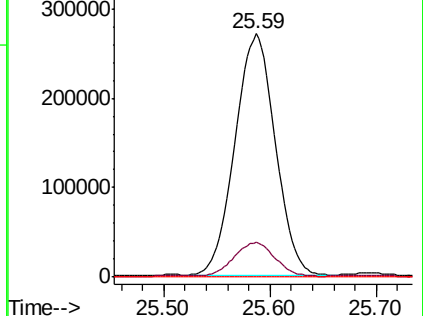
227 0.0 0.0 0.0



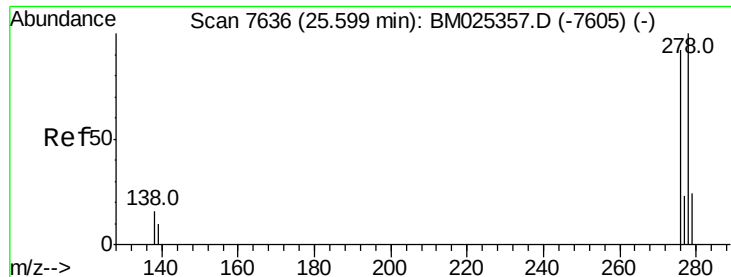
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





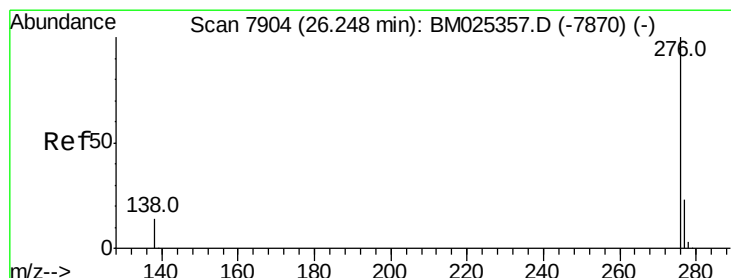
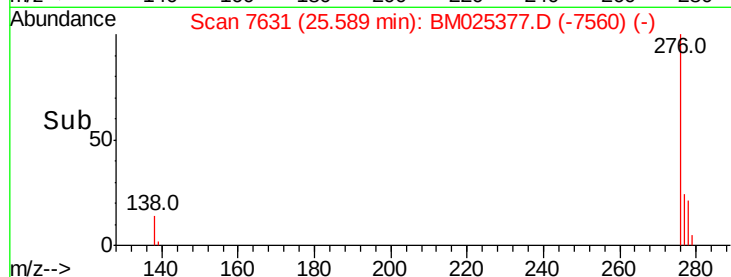
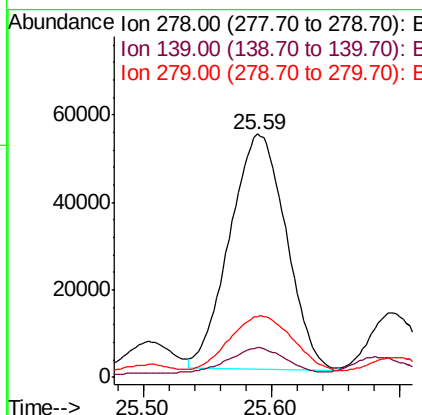
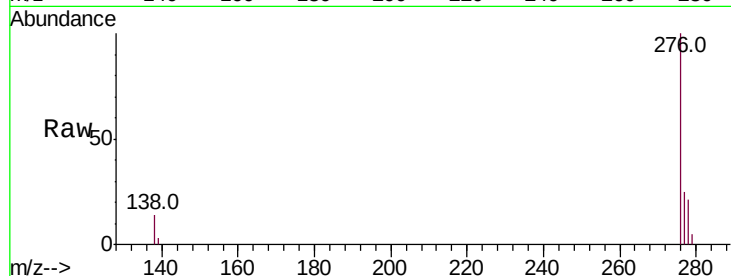


#25  
Dibenzo(a,h)anthracene  
Concen: 1.420 ng/ul  
RT: 25.59 min Scan# 7631  
Delta R.T. -0.03 min  
Lab File: BM025377.D  
Acq: 08 Mar 2020 09:37

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:278 Resp: 164684  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 12.0  | 13.2  | 19.8# |
| 279 | 25.1  | 21.0  | 31.4  |



#26  
Benzo(g,h,i)perylene  
Concen: 3.366 ng/ul  
RT: 26.25 min Scan# 7903  
Delta R.T. -0.01 min  
Lab File: BM025377.D  
Acq: 08 Mar 2020 09:37

Tgt Ion:276 Resp: 399980  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 14.6  | 17.9  | 26.9# |
| 277 | 23.9  | 20.5  | 30.7  |

