

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092419\  
 Data File : BM022756.D  
 Acq On : 24 Sep 2019 19:01  
 Operator : JU  
 Sample : K5003-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TMW-03

Quant Time: Sep 25 04:23:17 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 20 16:34:01 2019  
 Response via : Initial Calibration

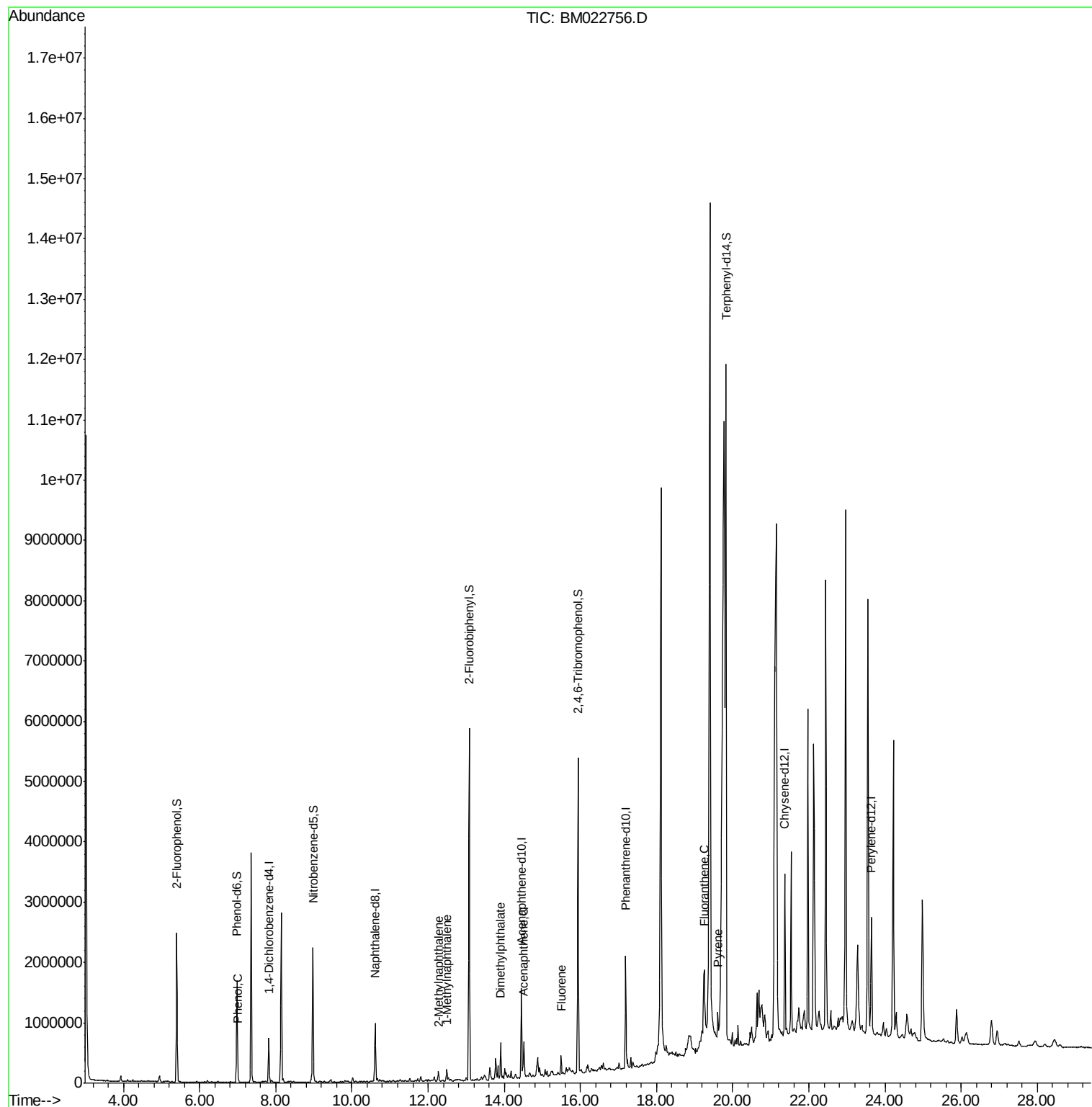
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.82  | 152  | 202344   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.61 | 136  | 805727   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.45 | 164  | 494571   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.19 | 188  | 1043836  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.37 | 240  | 1122793  | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 23.64 | 264  | 1355075  | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.40  | 112  | 1088954  | 85.35  | ng    | 0.00     |
| 7) Phenol-d6                | 6.98  | 99   | 972067   | 59.32  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.98  | 82   | 1293868  | 89.14  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.94 | 330  | 951000   | 154.03 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.08 | 172  | 3112564  | 86.66  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.82 | 244  | 5044387  | 87.00  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.01  | 94   | 41404    | 2.684  | ng    | 96       |
| 37) 2-Methylnaphthalene     | 12.27 | 142  | 72063    | 2.600  | ng    | 99       |
| 38) 1-Methylnaphthalene     | 12.49 | 142  | 80866    | 3.074  | ng    | 98       |
| 50) Dimethylphthalate       | 13.91 | 163  | 404920   | 11.329 | ng    | 100      |
| 52) Acenaphthene            | 14.52 | 154  | 194293   | 6.573  | ng    | 99       |
| 58) Fluorene                | 15.50 | 166  | 116339   | 3.318  | ng    | 99       |
| 75) Fluoranthene            | 19.24 | 202  | 257985   | 3.882  | ng    | 98       |
| 78) Pyrene                  | 19.61 | 202  | 189228   | 2.572  | ng    | 99       |

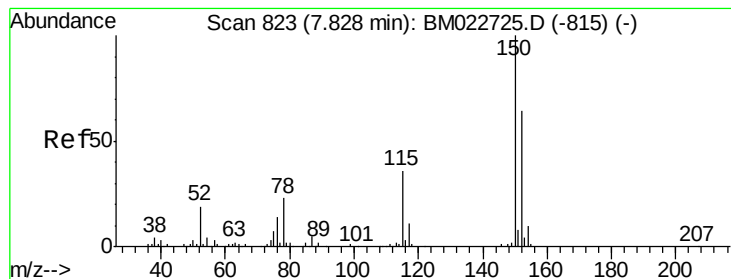
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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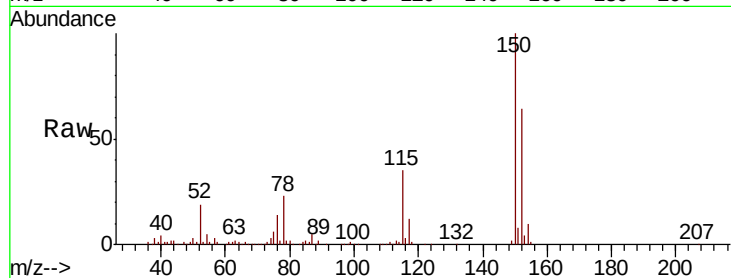


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.82 min Scan# 822  
Delta R.T. -0.01 min  
Lab File: BM022756.D  
Acq: 24 Sep 2019 19:01

Instrument :  
BNA\_M  
ClientSampleId :  
TMW-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.6 | 124.5 | 186.7 |
| 115     | 55.2  | 45.0  | 67.4  |

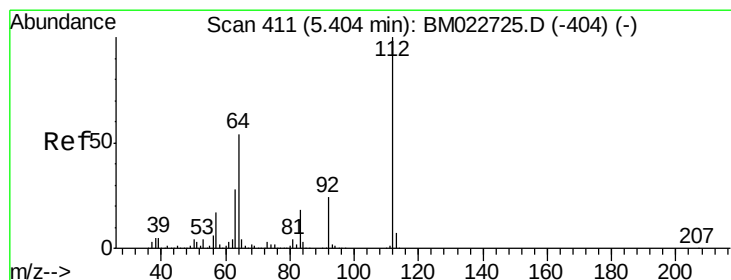
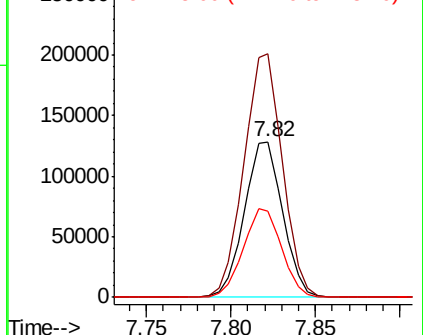
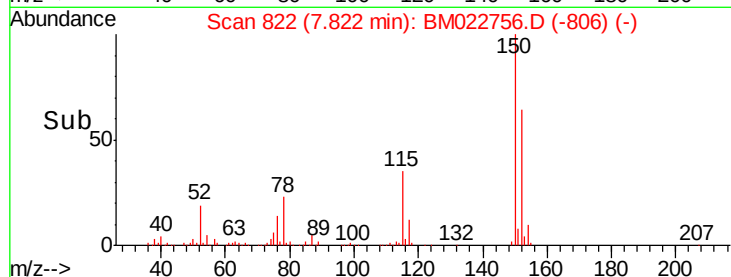


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

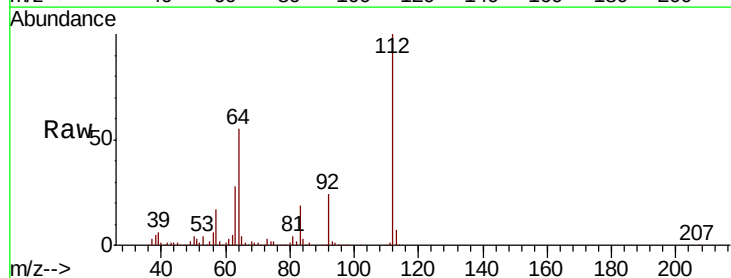
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 85.352 ng  
RT: 5.40 min Scan# 410  
Delta R.T. -0.01 min  
Lab File: BM022756.D  
Acq: 24 Sep 2019 19:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.0  | 43.4  | 65.2  |
| 63      | 28.2  | 22.1  | 33.1  |

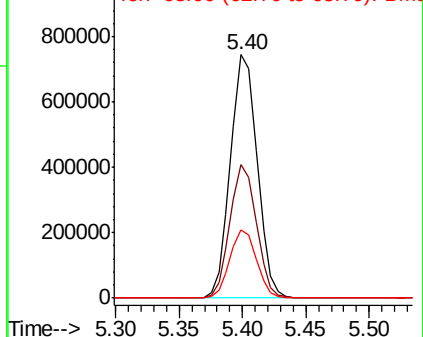
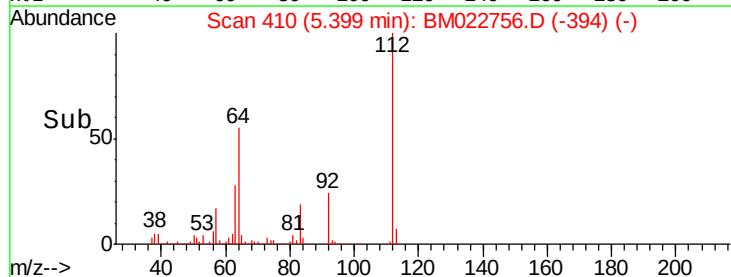


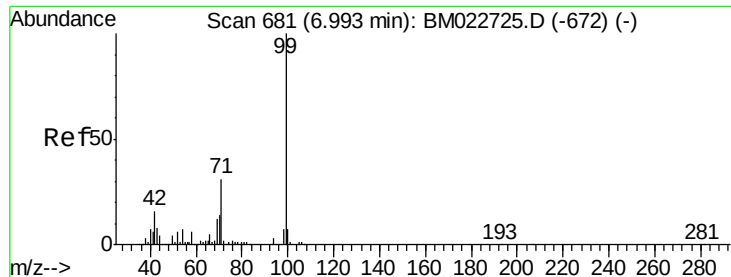
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 59.320 ng

RT: 6.98 min Scan# 679

Delta R.T. -0.01 min

Lab File: BM022756.D

Acq: 24 Sep 2019 19:01

Instrument :

BNA\_M

ClientSampleId :

TMW-03

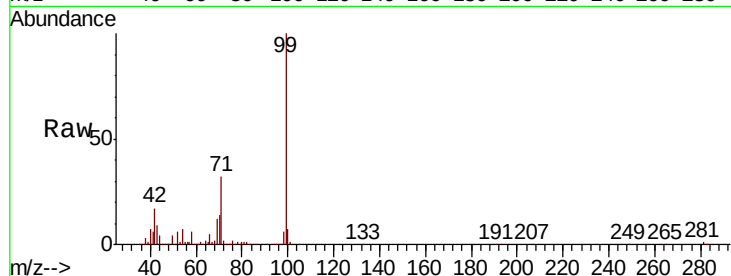
Tot Ion: 99 Resp: 972067

Ion Ratio Lower Upper

99 100

42 17.1 13.0 19.4

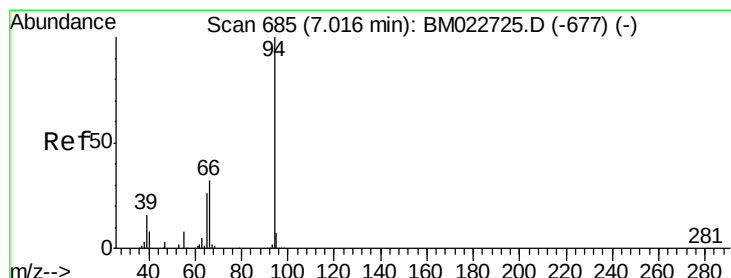
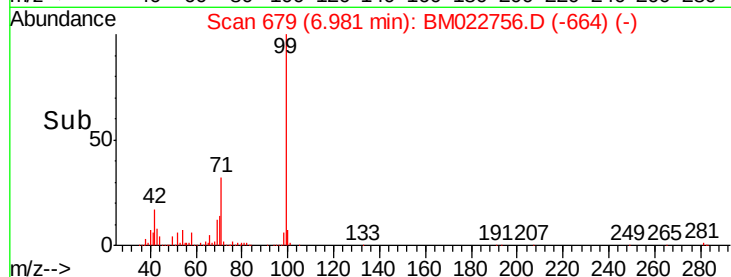
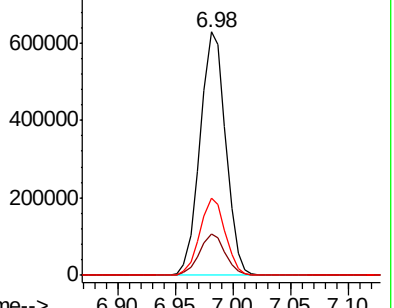
71 31.6 24.7 37.1



Abundance Ion 99.00 (98.70 to 99.70): BM022725.D (-672) (-)

Ion 42.00 (41.70 to 42.70): BM022725.D (-672) (-)

Ion 71.00 (70.70 to 71.70): BM022725.D (-672) (-)



#10

Phenol

Concen: 2.684 ng

RT: 7.01 min Scan# 684

Delta R.T. -0.01 min

Lab File: BM022756.D

Acq: 24 Sep 2019 19:01

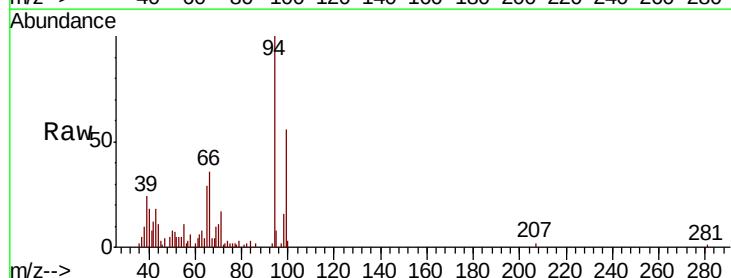
Tgt Ion: 94 Resp: 41404

Ion Ratio Lower Upper

94 100

65 28.9 6.7 46.7

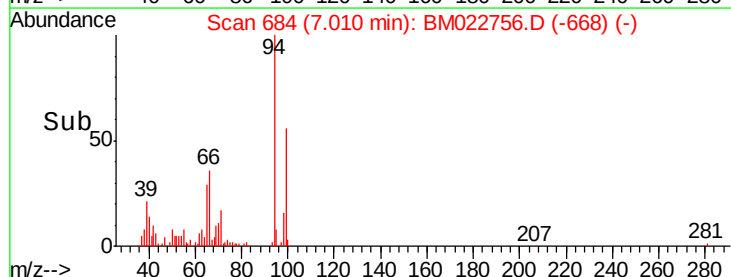
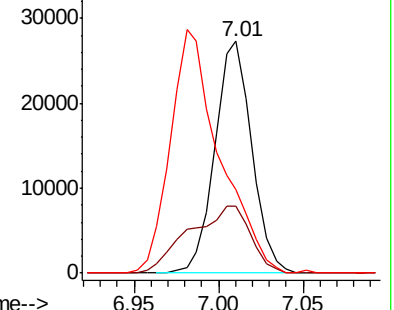
66 35.8 13.8 53.8

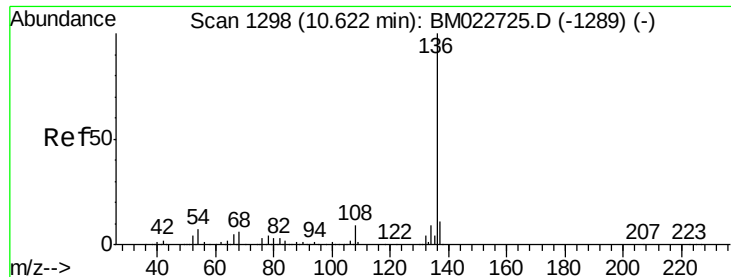


Abundance Ion 94.00 (93.70 to 94.70): BM022725.D (-677) (-)

Ion 65.00 (64.70 to 65.70): BM022725.D (-677) (-)

Ion 66.00 (65.70 to 66.70): BM022725.D (-677) (-)

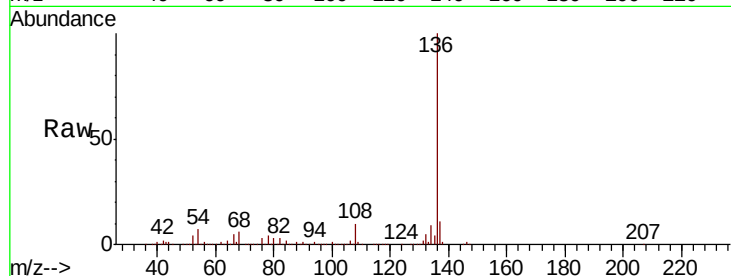




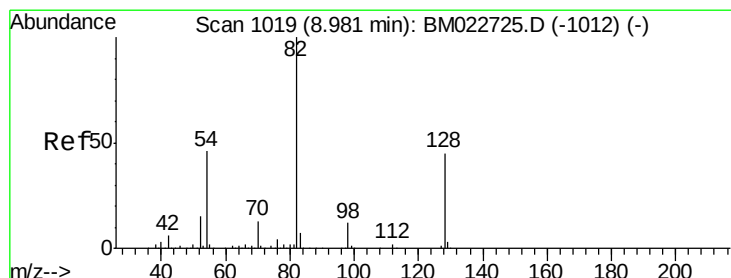
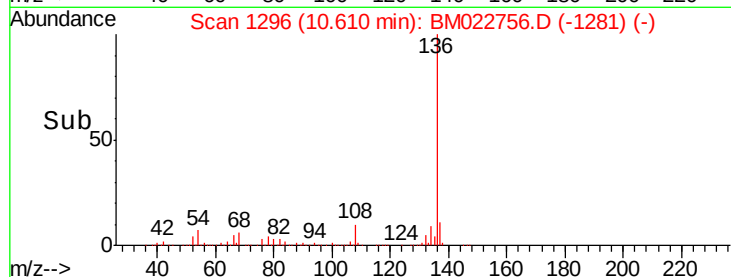
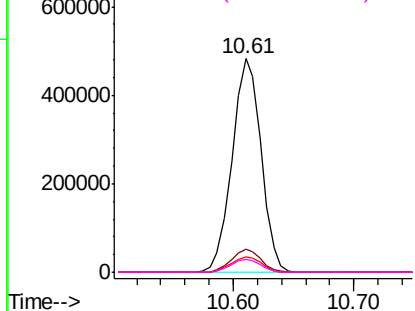
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.61 min Scan# 1296  
Delta R.T. -0.01 min  
Lab File: BM022756.D  
Acq: 24 Sep 2019 19:01

Instrument :  
BNA\_M  
ClientSampleId :  
TMW-03

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 805727      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.6  | 8.6 13.0    |
| 54          | 7.1   | 6.0 9.0     |
| 68          | 6.0   | 4.9 7.3     |

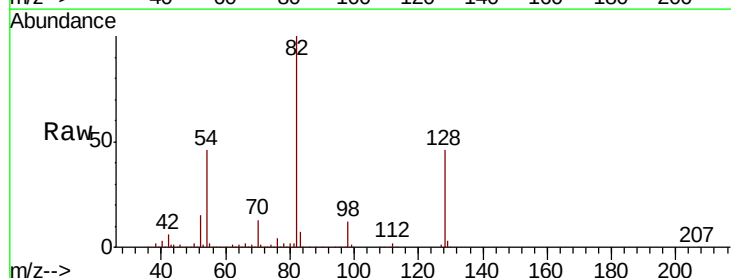


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

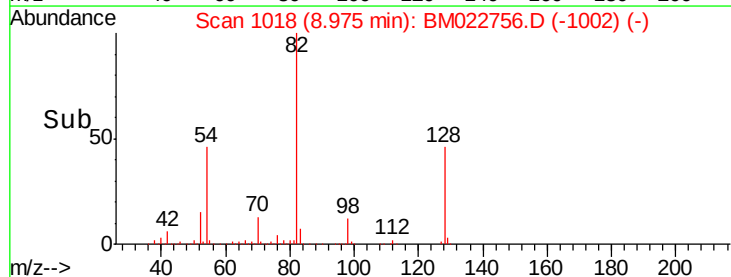
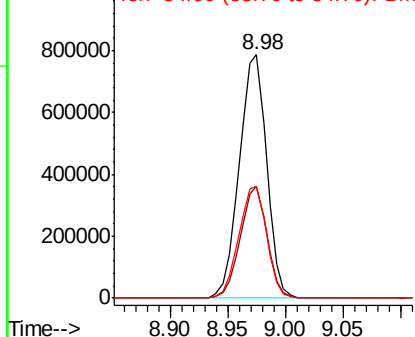


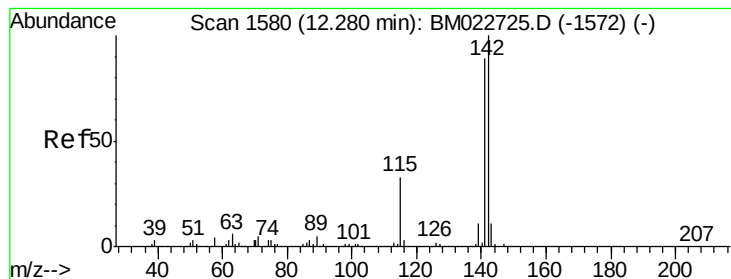
#23  
Nitrobenzene-d5  
Concen: 89.140 ng  
RT: 8.98 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BM022756.D  
Acq: 24 Sep 2019 19:01

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 1293868     |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 45.8  | 36.0 54.0   |
| 54          | 45.9  | 37.1 55.7   |



Abundance Ion 82.00 (81.70 to 82.70): BM  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BM





#37

2-Methylnaphthalene

Concen: 2.600 ng

RT: 12.27 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BM022756.D

Acq: 24 Sep 2019 19:01

Instrument :

BNA\_M

ClientSampleId :

TMW-03

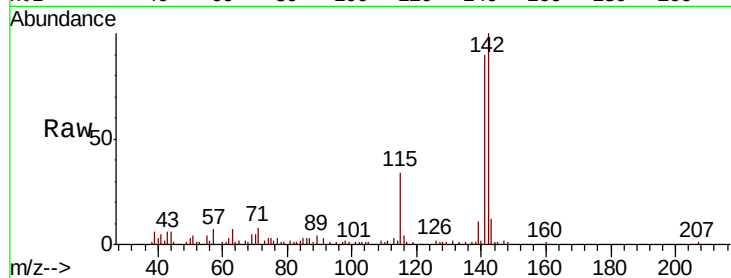
Tot Ion:142 Resp: 72063

Ion Ratio Lower Upper

142 100

141 89.6 71.5 107.3

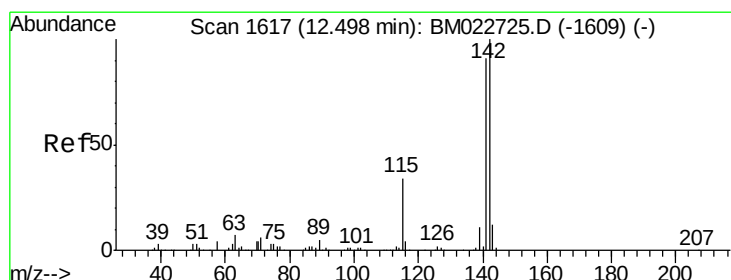
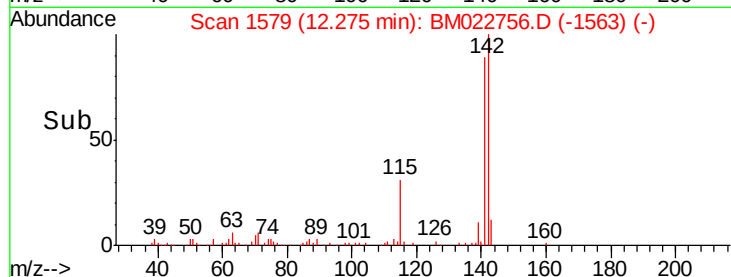
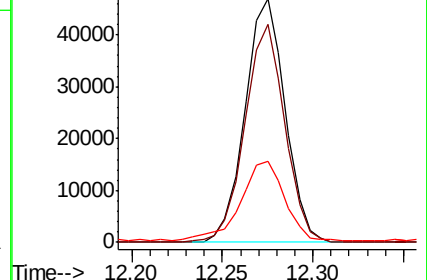
115 33.5 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 3.074 ng

RT: 12.49 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BM022756.D

Acq: 24 Sep 2019 19:01

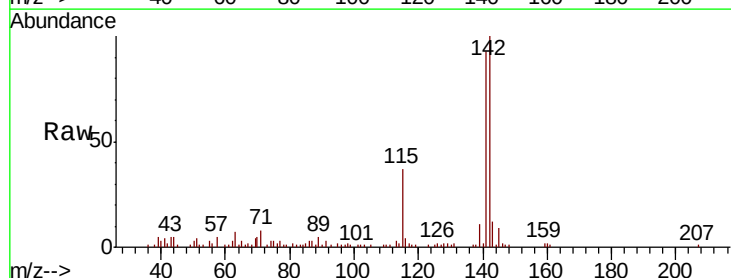
Tgt Ion:142 Resp: 80866

Ion Ratio Lower Upper

142 100

141 92.7 73.0 109.4

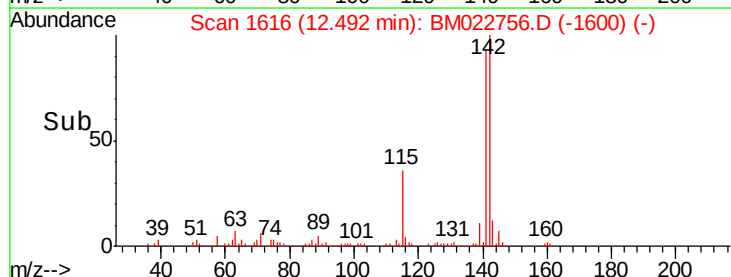
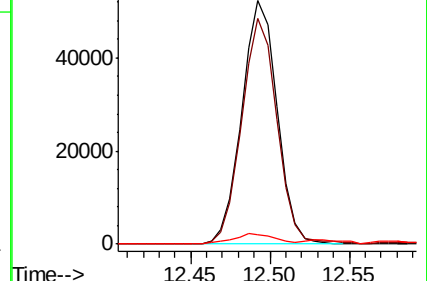
116 3.8 2.9 4.3

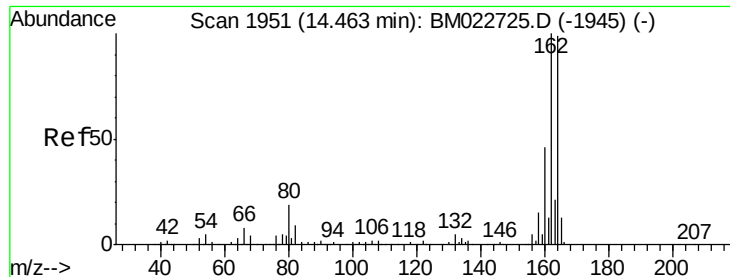


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.45 min Scan# 1949

Delta R.T. -0.01 min

Lab File: BM022756.D

Acq: 24 Sep 2019 19:01

Instrument :

BNA\_M

ClientSampleId :

TMW-03

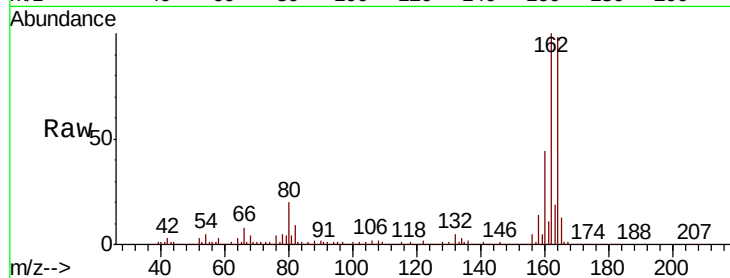
Tot Ion:164 Resp: 494571

Ion Ratio Lower Upper

164 100

162 101.9 81.1 121.7

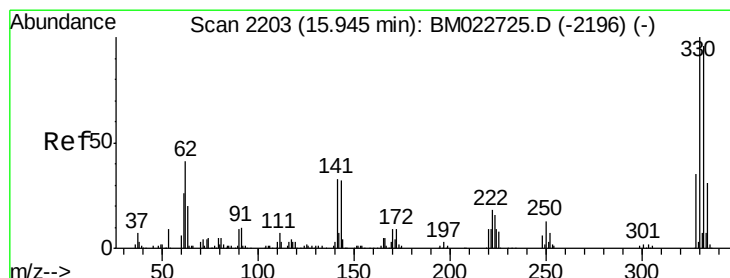
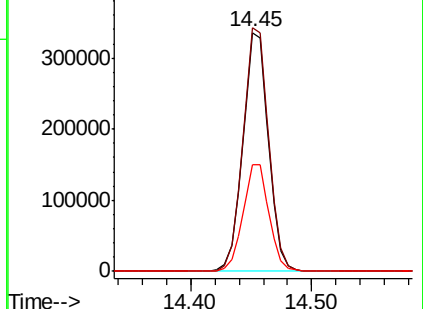
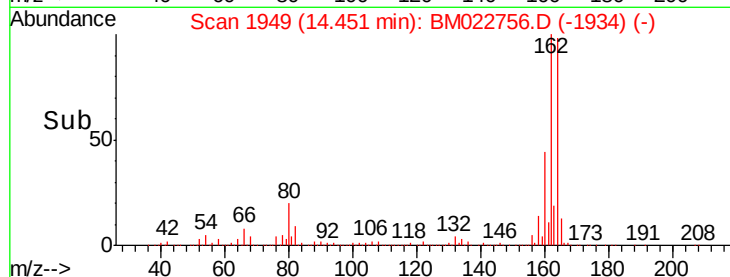
160 44.8 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 154.035 ng

RT: 15.94 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BM022756.D

Acq: 24 Sep 2019 19:01

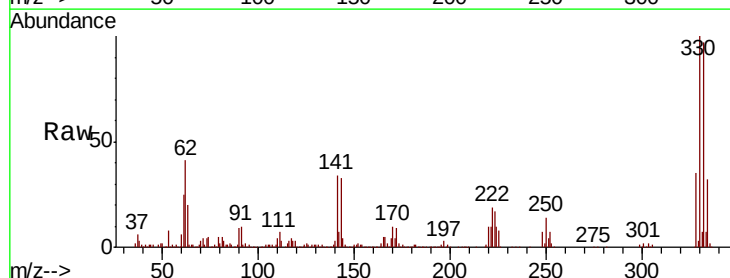
Tgt Ion:330 Resp: 951000

Ion Ratio Lower Upper

330 100

332 96.2 76.9 115.3

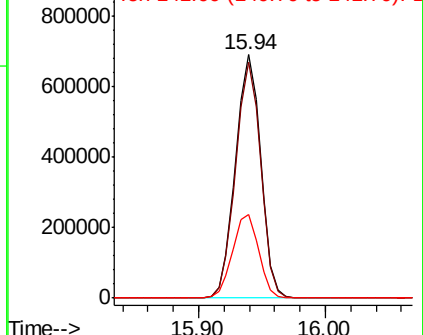
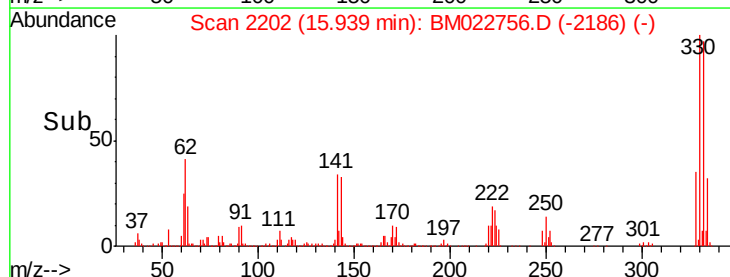
141 35.3 28.6 42.8

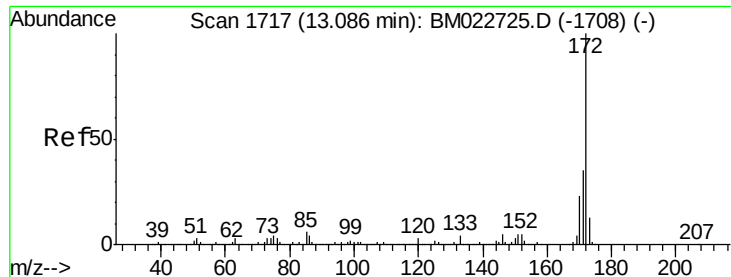


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

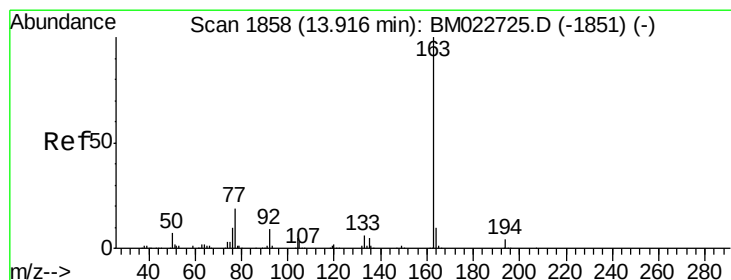
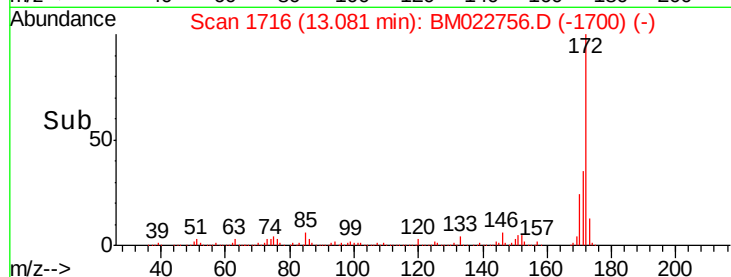
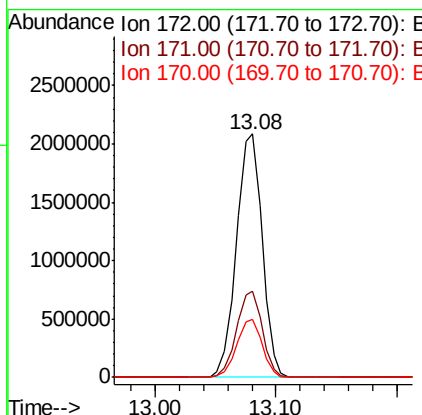
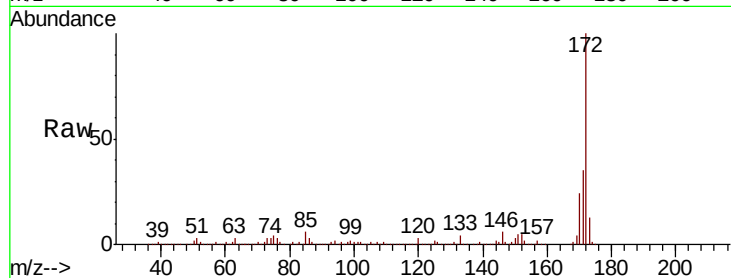




#45  
2-Fluorobiphenyl  
Concen: 86.664 ng  
RT: 13.08 min Scan# 1716  
Delta R.T. -0.01 min  
Lab File: BM022756.D  
Acq: 24 Sep 2019 19:01

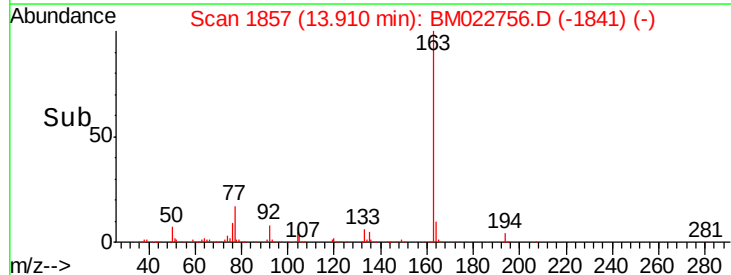
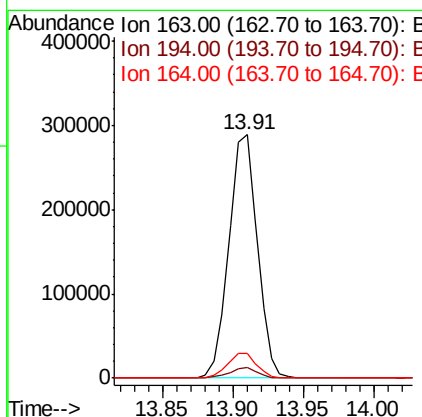
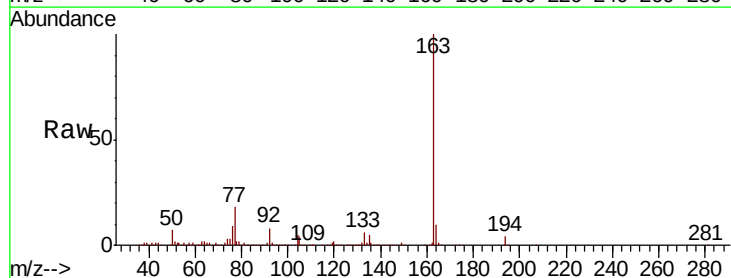
Instrument :  
BNA\_M  
ClientSampled :  
TMW-03

Tot Ion:172 Resp: 3112564  
Ion Ratio Lower Upper  
172 100  
171 35.3 27.8 41.8  
170 23.6 18.7 28.1

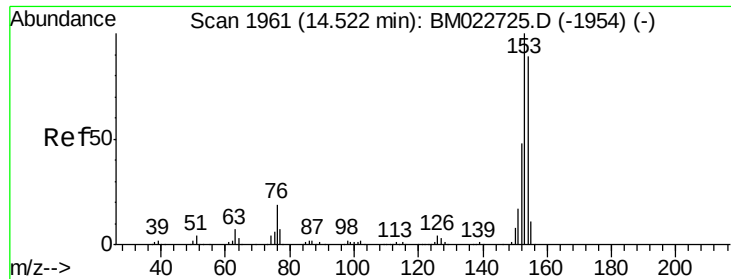


#50  
Dimethylphthalate  
Concen: 11.329 ng  
RT: 13.91 min Scan# 1857  
Delta R.T. -0.01 min  
Lab File: BM022756.D  
Acq: 24 Sep 2019 19:01

Tgt Ion:163 Resp: 404920  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.3 4.9  
164 10.1 8.2 12.2







#52

Acenaphthene

Concen: 6.573 ng

RT: 14.52 min Scan# 1960

Delta R.T. -0.01 min

Lab File: BM022756.D

Acq: 24 Sep 2019 19:01

Instrument :

BNA\_M

ClientSampleId :

TMW-03

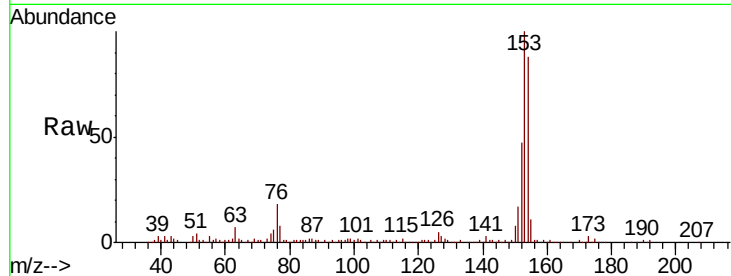
Tot Ion:154 Resp: 194293

Ion Ratio Lower Upper

154 100

153 113.9 90.0 135.0

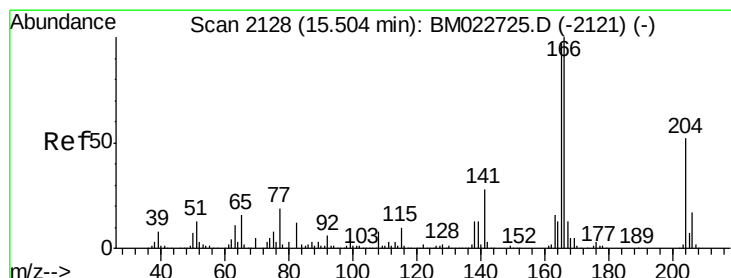
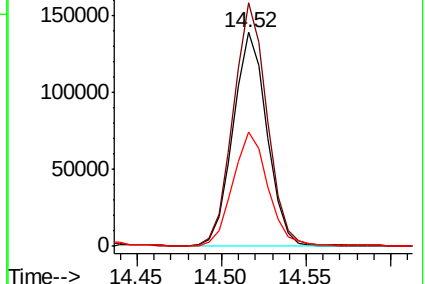
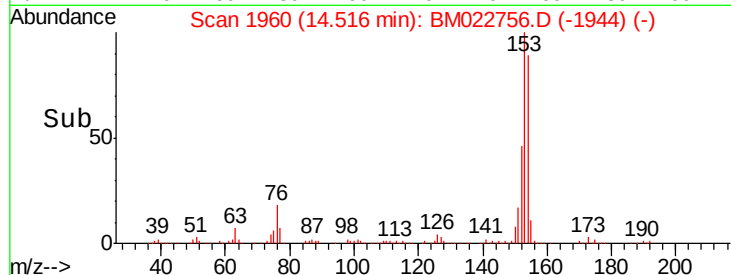
152 53.6 42.9 64.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 3.318 ng

RT: 15.50 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BM022756.D

Acq: 24 Sep 2019 19:01

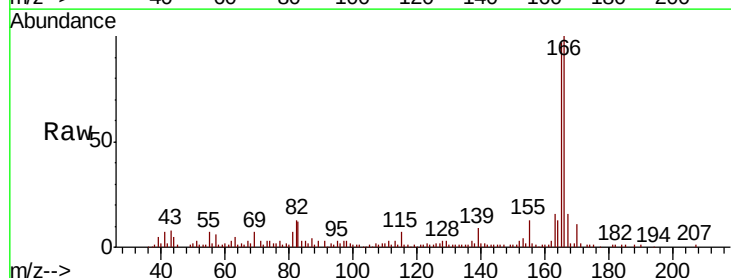
Tgt Ion:166 Resp: 116339

Ion Ratio Lower Upper

166 100

165 97.3 77.6 116.4

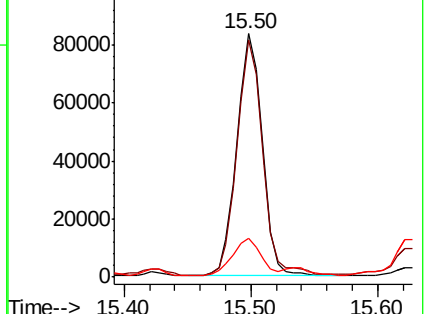
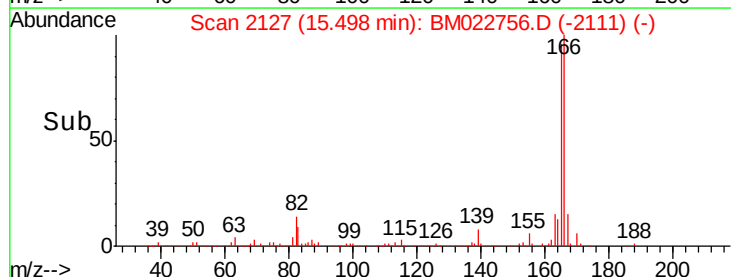
167 16.1 10.8 16.2

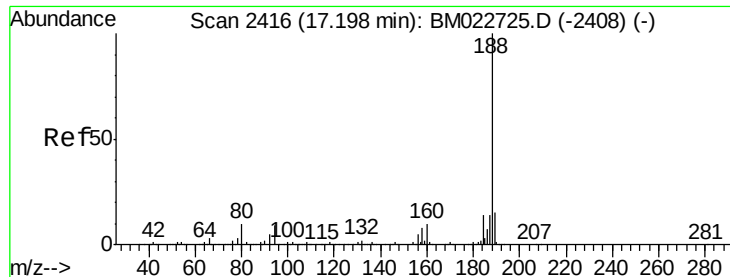


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

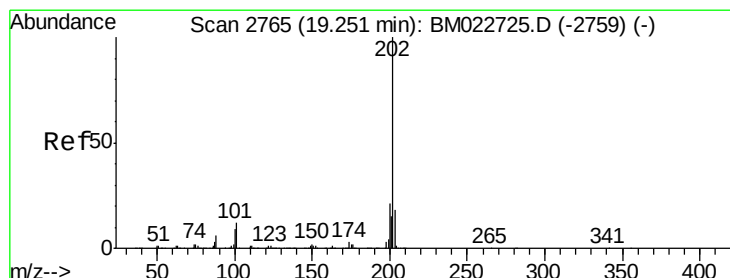
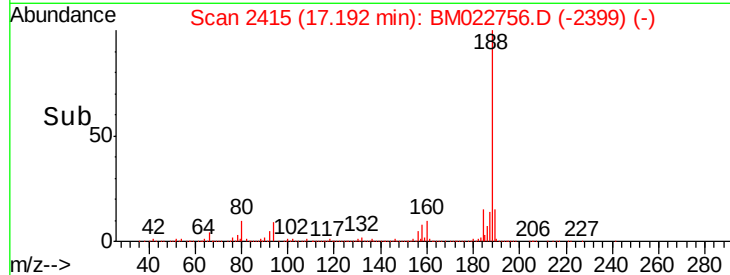
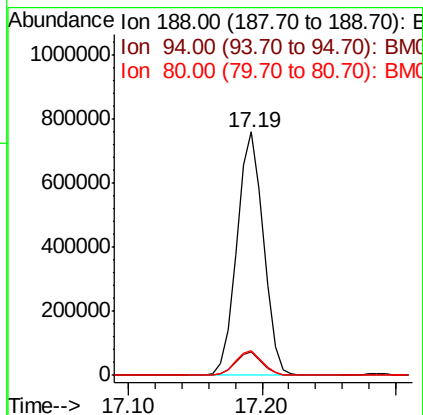
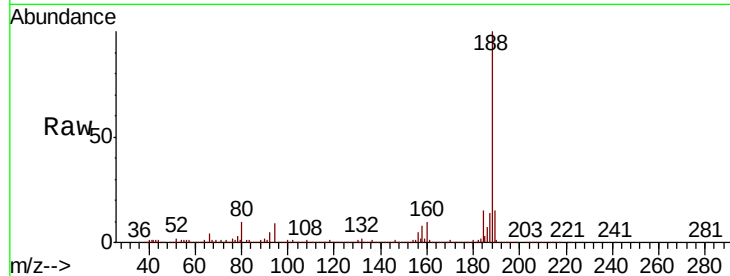




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.19 min Scan# 2415  
Delta R.T. -0.01 min  
Lab File: BM022756.D  
Acq: 24 Sep 2019 19:01

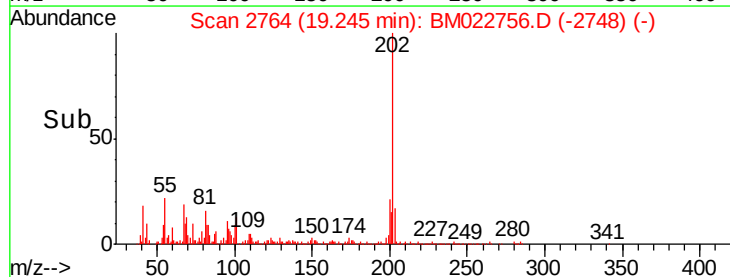
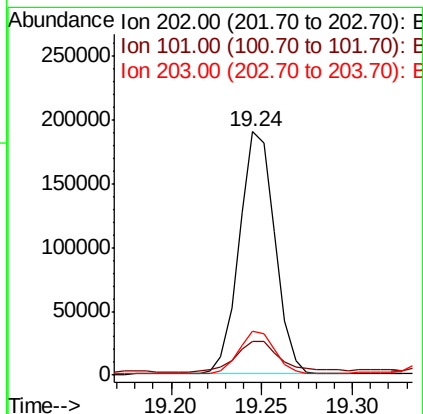
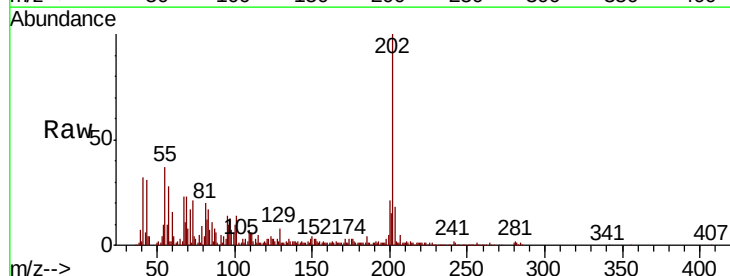
Instrument :  
BNA\_M  
ClientSampleId :  
TMW-03

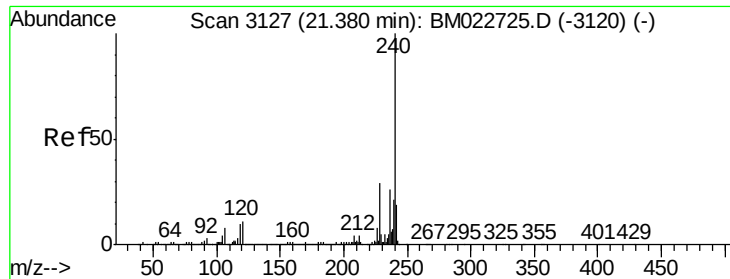
Tot Ion:188 Resp: 1043836  
Ion Ratio Lower Upper  
188 100  
94 9.4 7.3 10.9  
80 10.1 7.8 11.8



#75  
Fluoranthene  
Concen: 3.882 ng  
RT: 19.24 min Scan# 2764  
Delta R.T. -0.01 min  
Lab File: BM022756.D  
Acq: 24 Sep 2019 19:01

Tgt Ion:202 Resp: 257985  
Ion Ratio Lower Upper  
202 100  
101 13.7 0.0 32.1  
203 18.0 0.0 37.7

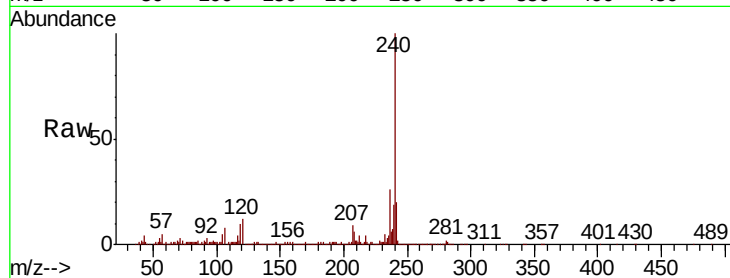




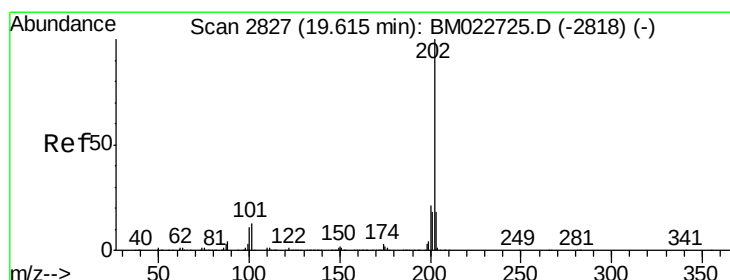
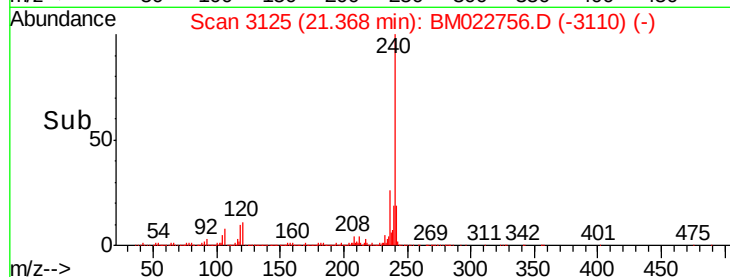
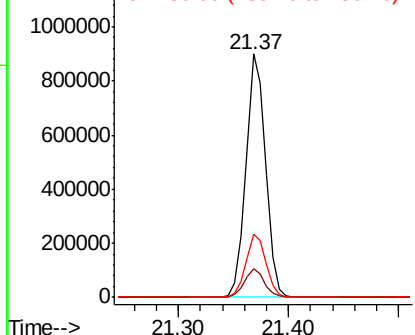
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.37 min Scan# 3125  
Delta R.T. -0.01 min  
Lab File: BM022756.D  
Acq: 24 Sep 2019 19:01

Instrument :  
BNA\_M  
ClientSampleId :  
TMW-03

Tot Ion:240 Resp: 1122793  
Ion Ratio Lower Upper  
240 100  
120 11.5 8.8 13.2  
236 26.1 20.8 31.2

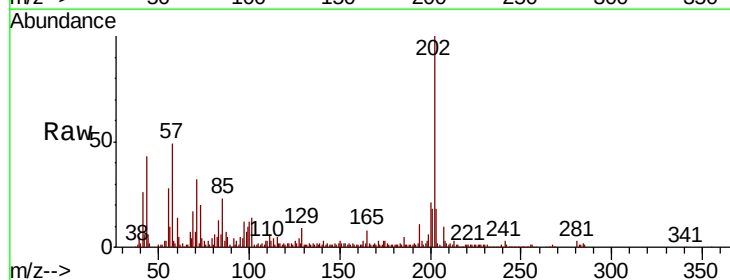


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

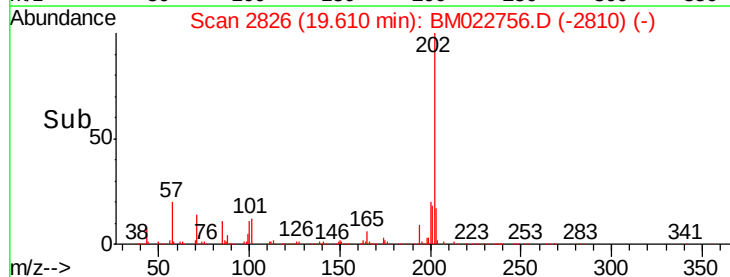
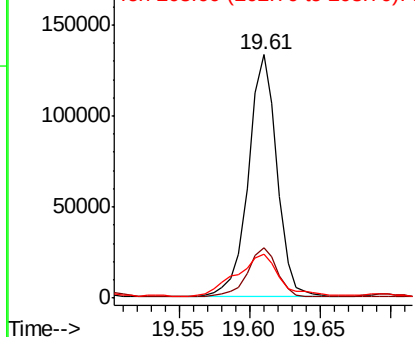


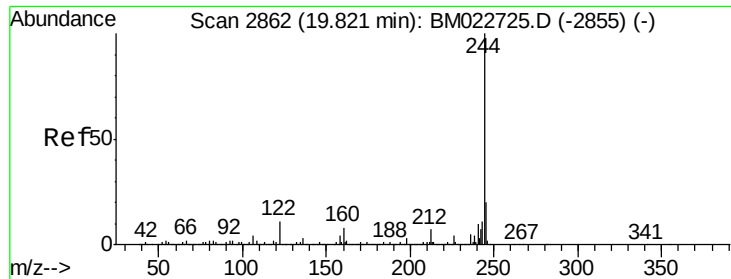
#78  
Pyrene  
Concen: 2.572 ng  
RT: 19.61 min Scan# 2826  
Delta R.T. -0.01 min  
Lab File: BM022756.D  
Acq: 24 Sep 2019 19:01

Tgt Ion:202 Resp: 189228  
Ion Ratio Lower Upper  
202 100  
200 20.7 16.7 25.1  
203 18.1 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 86.996 ng

RT: 19.82 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BM022756.D

Acq: 24 Sep 2019 19:01

Instrument :

BNA\_M

ClientSampleId :

TMW-03

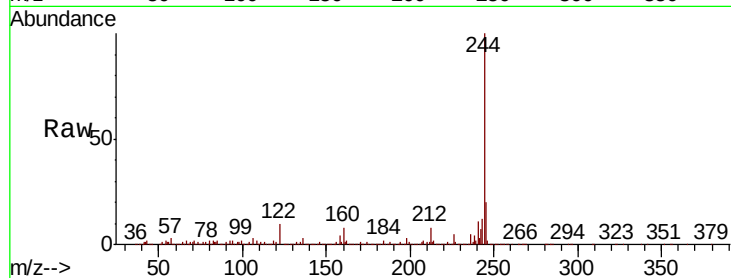
Tot Ion:244 Resp: 5044387

Ion Ratio Lower Upper

244 100

212 7.8 5.9 8.9

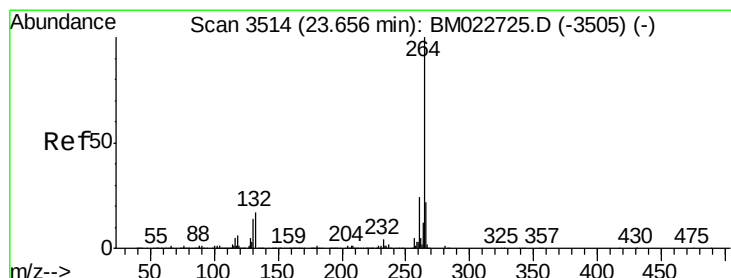
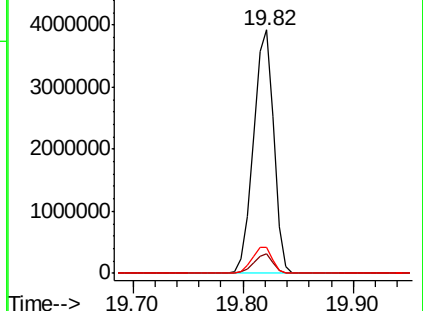
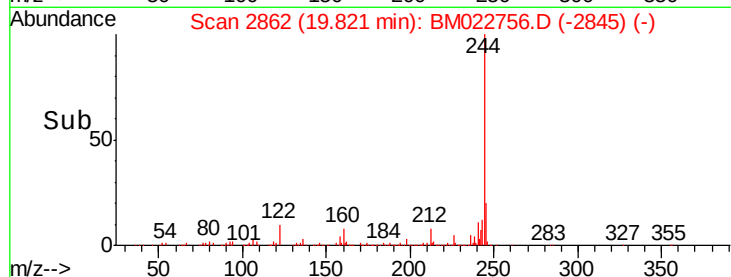
122 10.5 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.64 min Scan# 3512

Delta R.T. -0.01 min

Lab File: BM022756.D

Acq: 24 Sep 2019 19:01

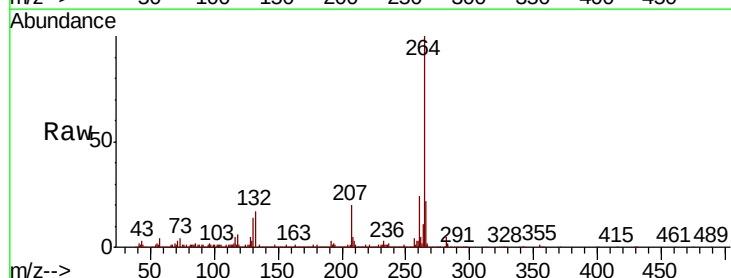
Tgt Ion:264 Resp: 1355075

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 22.0 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

