

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052617\  
 Data File : BM010256.D  
 Acq On : 26 May 2017 14:35  
 Operator : SJ/MA  
 Sample : I3239-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PURGE-WATER-B

Quant Time: May 27 00:29:33 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 20 04:25:49 2017  
 Response via : Initial Calibration

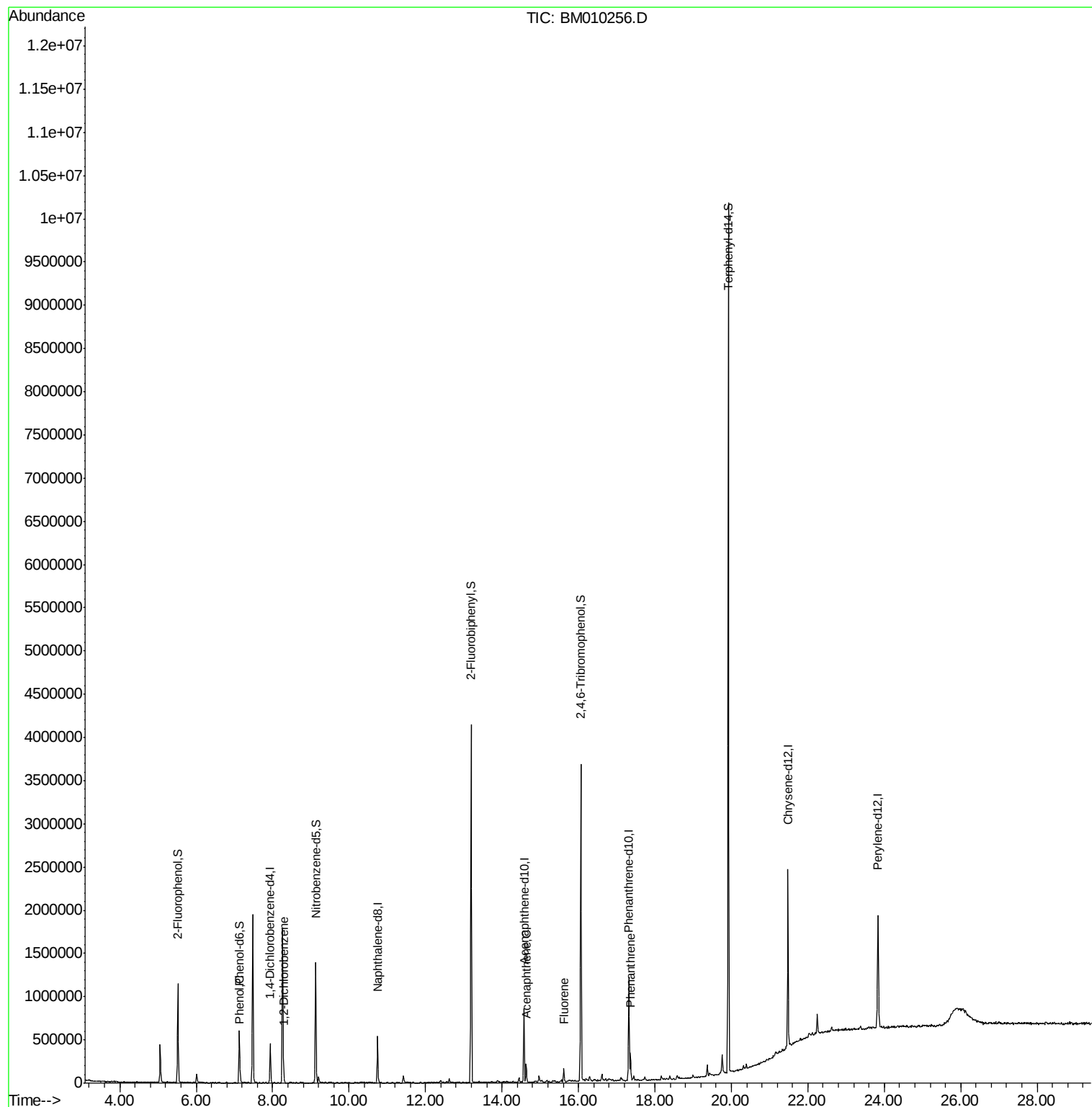
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.94  | 152  | 106959   | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 10.75 | 136  | 374535   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10        | 14.57 | 164  | 263432   | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10        | 17.32 | 188  | 688488   | 20.00  | ng    | -0.04    |
| 75) Chrysene-d12            | 21.48 | 240  | 981567   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 23.83 | 264  | 1054062  | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.52  | 112  | 388458   | 65.59  | ng    | -0.04    |
| 7) Phenol-d6                | 7.13  | 99   | 285963   | 37.52  | ng    | -0.04    |
| 23) Nitrobenzene-d5         | 9.13  | 82   | 755450   | 108.82 | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol    | 16.06 | 330  | 610187   | 152.51 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 13.19 | 172  | 2008487  | 98.02  | ng    | -0.04    |
| 78) Terphenyl-d14           | 19.92 | 244  | 4042146  | 93.64  | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.15  | 94   | 23808    | 2.96   | ng    | 95       |
| 14) 1,2-Dichlorobenzene     | 8.29  | 146  | 18099    | 2.24   | ng    | 96       |
| 51) Acenaphthene            | 14.63 | 154  | 69419    | 4.31   | ng    | 97       |
| 57) Fluorene                | 15.62 | 166  | 61885    | 2.81   | ng    | 99       |
| 70) Phenanthrene            | 17.36 | 178  | 191220   | 4.96   | ng    | 98       |

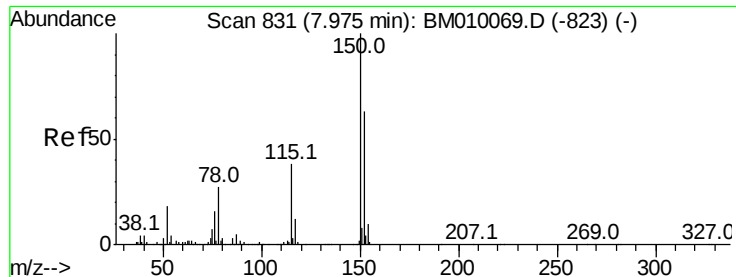
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052617\  
Data File : BM010256.D  
Acq On : 26 May 2017 14:35  
Operator : SJ/MA  
Sample : I3239-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PURGE-WATER-B

Quant Time: May 27 00:29:33 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat May 20 04:25:49 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.94 min Scan# 825

Delta R.T. -0.04 min

Lab File: BM010256.D

Acq: 26 May 2017 14:35

Instrument :

BNA\_M

ClientSampleId :

PURGE-WATER-B

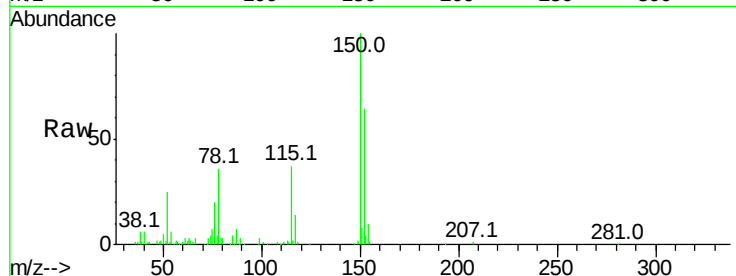
Tot Ion:152 Resp: 106959

Ion Ratio Lower Upper

152 100

150 155.1 119.5 179.3

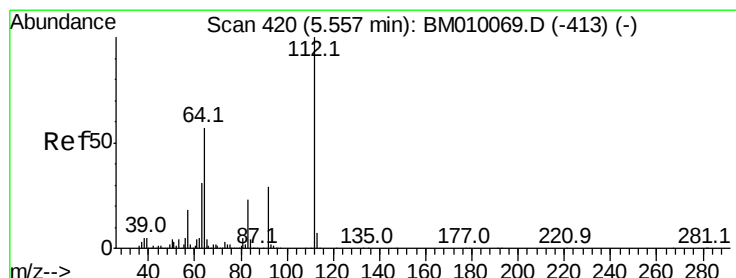
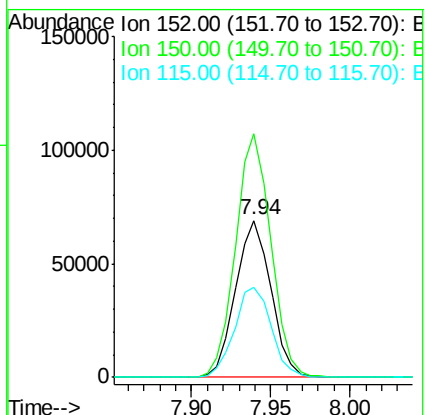
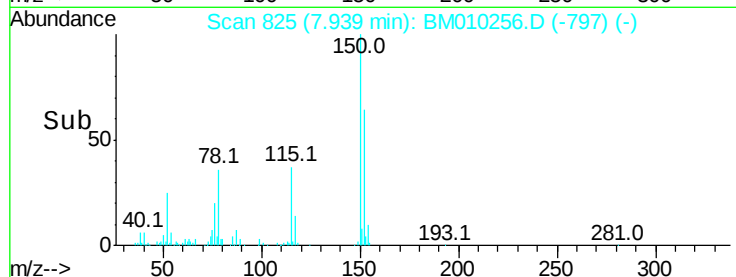
115 57.2 43.0 64.4



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: 65.59 ng

RT: 5.52 min Scan# 414

Delta R.T. -0.04 min

Lab File: BM010256.D

Acq: 26 May 2017 14:35

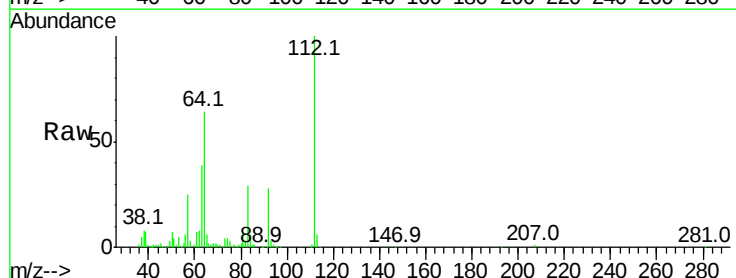
Tgt Ion:112 Resp: 388458

Ion Ratio Lower Upper

112 100

64 64.1 38.6 57.8#

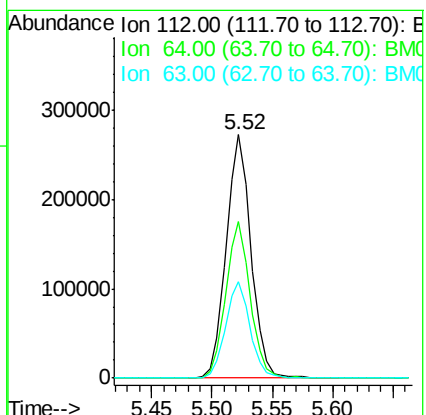
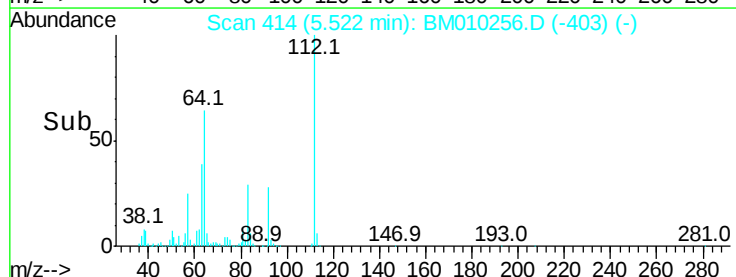
63 39.4 19.3 28.9#

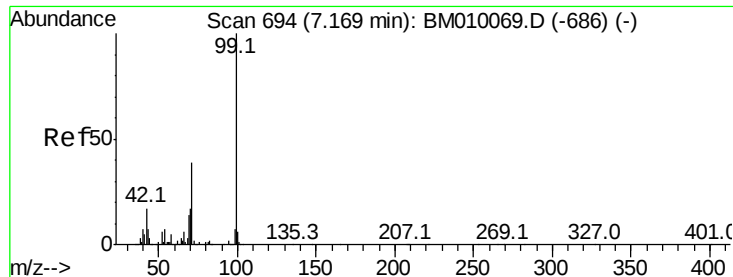


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 37.52 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.04 min

Lab File: BM010256.D

Acq: 26 May 2017 14:35

Instrument :

BNA\_M

ClientSampleId :

PURGE-WATER-B

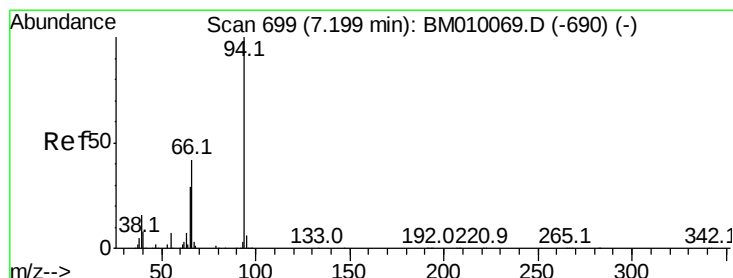
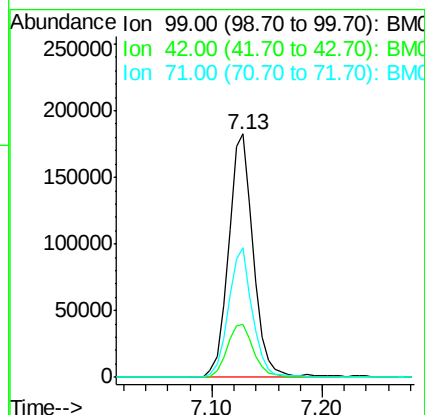
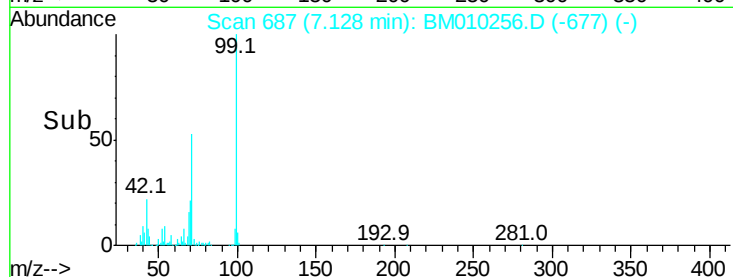
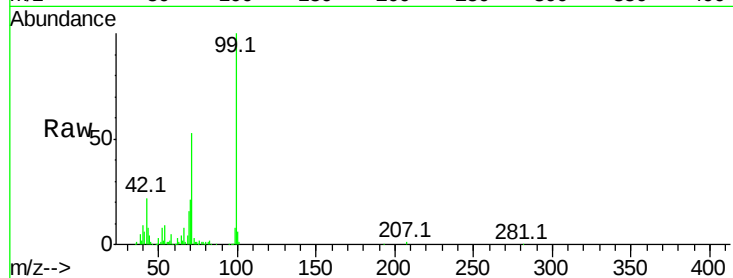
Tot Ion: 99 Resp: 285963

Ion Ratio Lower Upper

99 100

42 21.5 11.0 16.4#

71 53.2 23.4 35.2#



#10

Phenol

Concen: 2.96 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.05 min

Lab File: BM010256.D

Acq: 26 May 2017 14:35

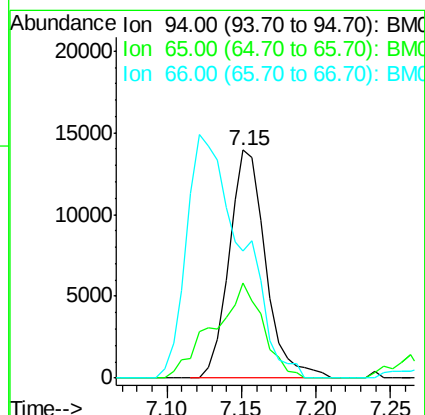
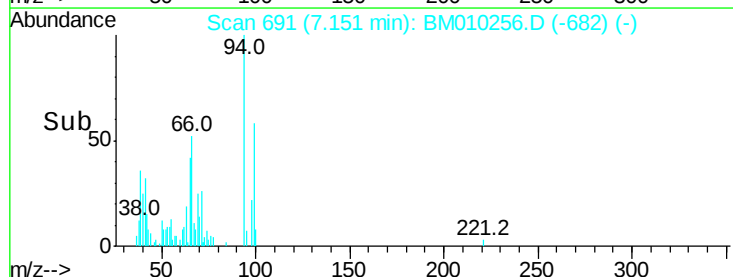
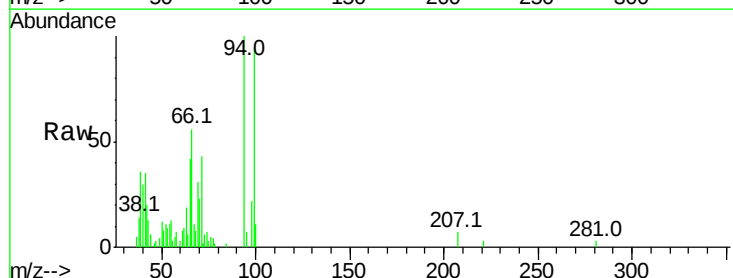
Tgt Ion: 94 Resp: 23808

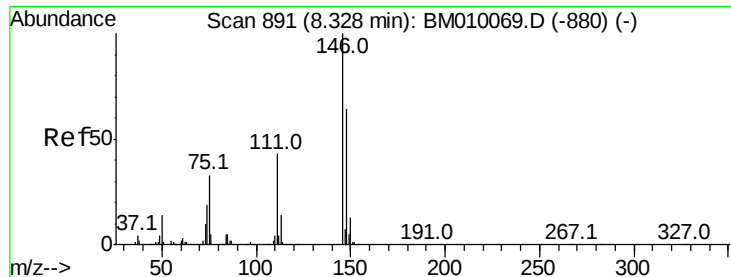
Ion Ratio Lower Upper

94 100

65 41.7 18.8 58.8

66 55.6 39.9 79.9





#14

1,2-Dichlorobenzene

Concen: 2.24 ng

RT: 8.29 min Scan# 885

Delta R.T. -0.04 min

Lab File: BM010256.D

Acq: 26 May 2017 14:35

Instrument :

BNA\_M

ClientSampleId :

PURGE-WATER-B

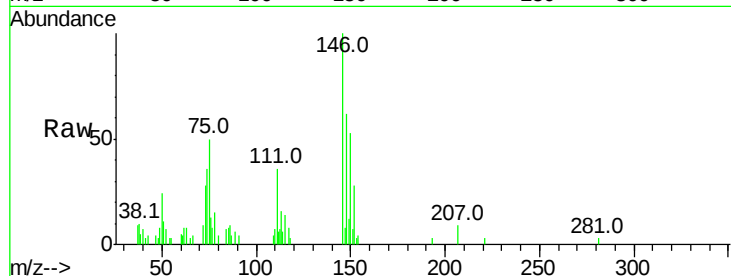
Tot Ion:146 Resp: 18099

Ion Ratio Lower Upper

146 100

148 62.0 52.3 78.5

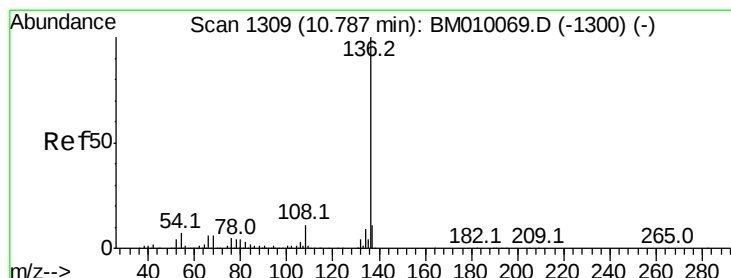
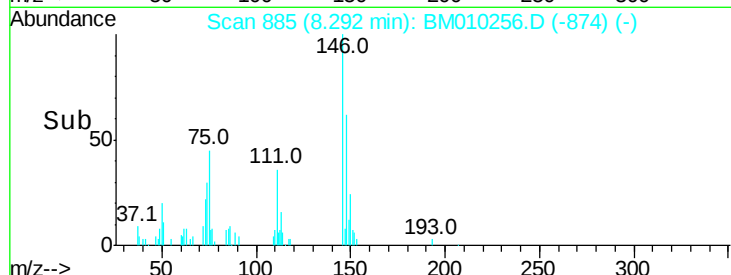
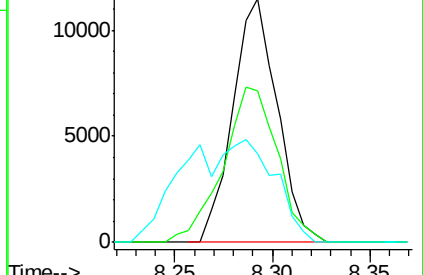
111 36.4 30.6 45.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.75 min Scan# 1302

Delta R.T. -0.04 min

Lab File: BM010256.D

Acq: 26 May 2017 14:35

Tgt Ion:136 Resp: 374535

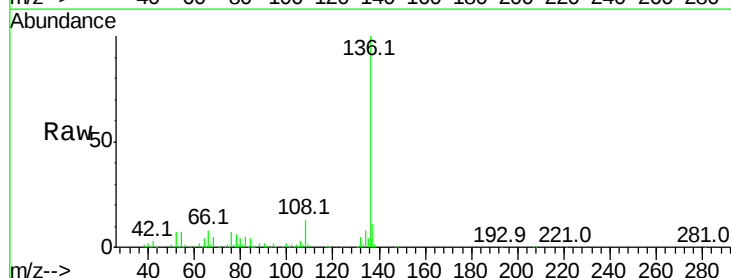
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 7.2 4.6 6.8#

68 5.1 3.7 5.5

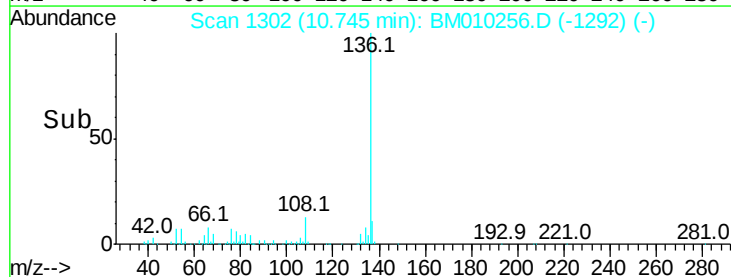
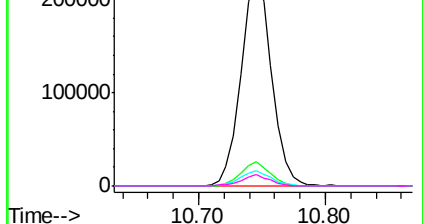


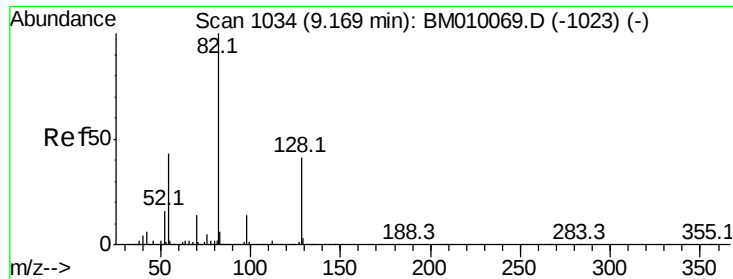
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0

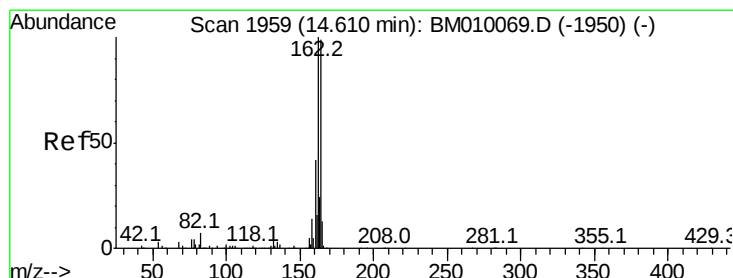
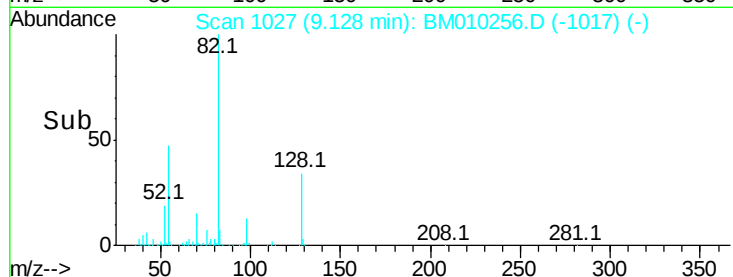
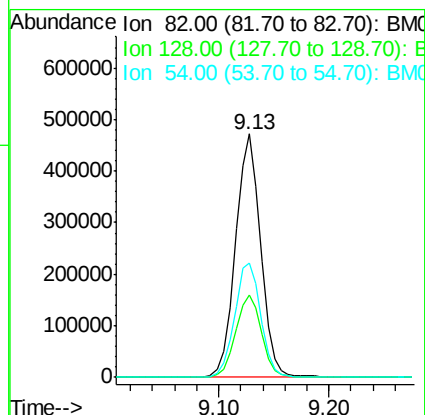
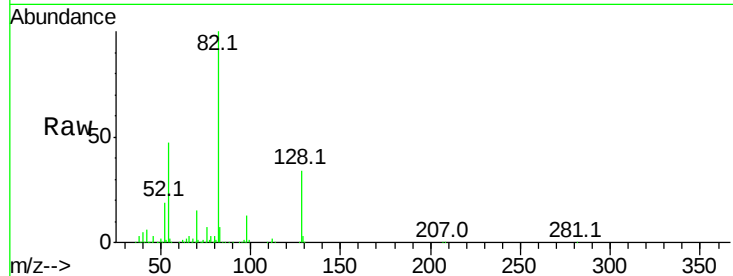




#23  
 Nitrobenzene-d5  
 Concen: 108.82 ng  
 RT: 9.13 min Scan# 1027  
 Delta R.T. -0.04 min  
 Lab File: BM010256.D  
 Acq: 26 May 2017 14:35

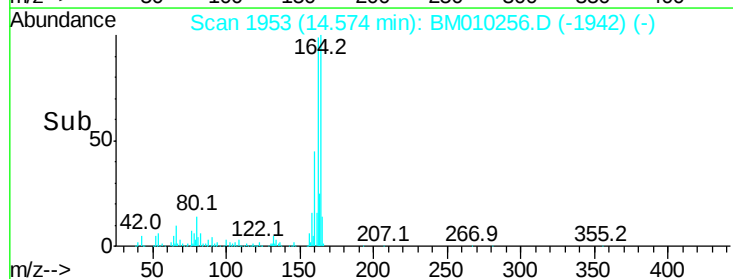
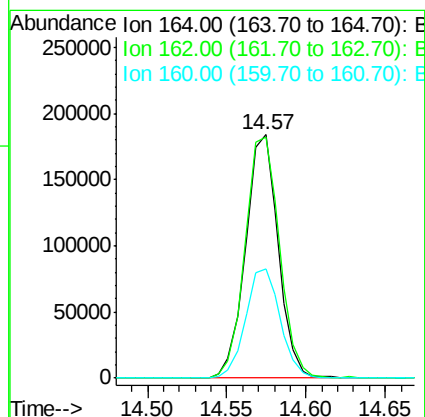
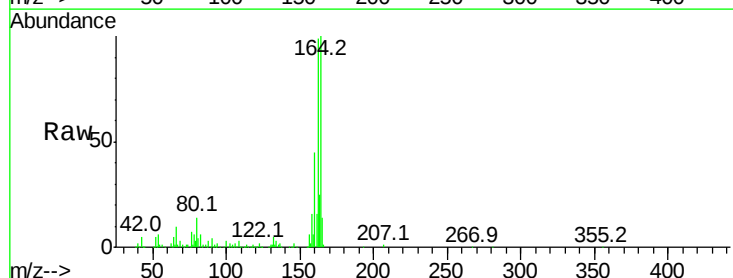
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PURGE-WATER-B

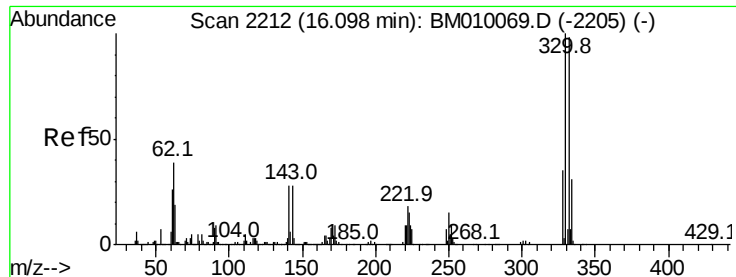
| Tot Ion   | 82    | Resp  | 755450 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 33.7  | 32.8  | 49.2   |
| 54        | 47.0  | 40.6  | 60.8   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.57 min Scan# 1953  
 Delta R.T. -0.04 min  
 Lab File: BM010256.D  
 Acq: 26 May 2017 14:35

| Tgt Ion   | 164   | Resp  | 263432 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 98.8  | 82.4  | 123.6  |
| 160       | 45.1  | 35.8  | 53.6   |

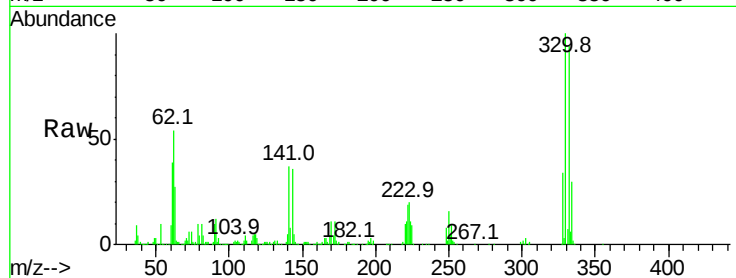




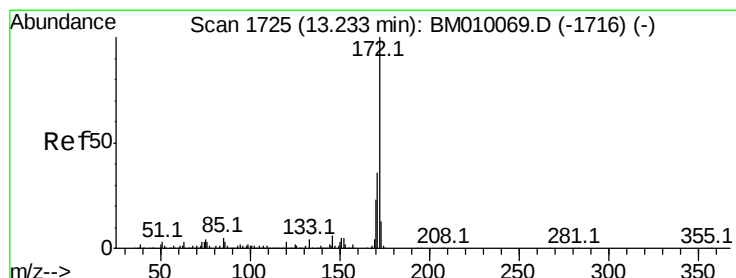
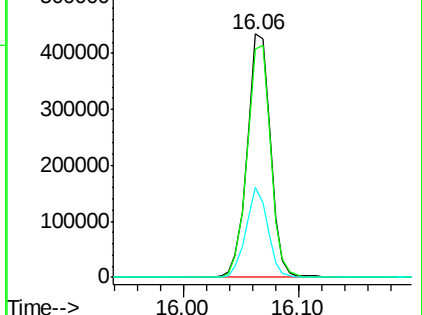
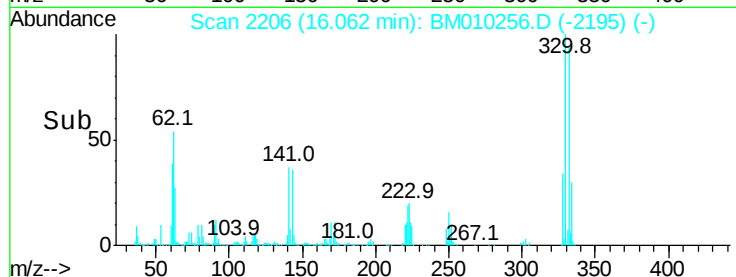
#41  
 2,4,6-Tribromophenol  
 Concen: 152.51 ng  
 RT: 16.06 min Scan# 2206  
 Delta R.T. -0.04 min  
 Lab File: BM010256.D  
 Acq: 26 May 2017 14:35

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PURGE-WATER-B

Tot Ion:330 Resp: 610187  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 0.0 0.0#  
 141 34.6 0.0 0.0#

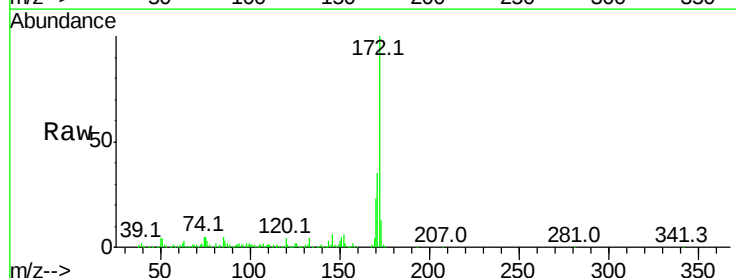


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

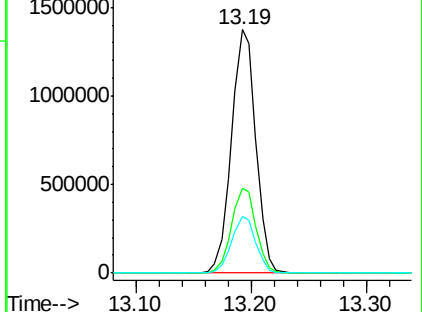
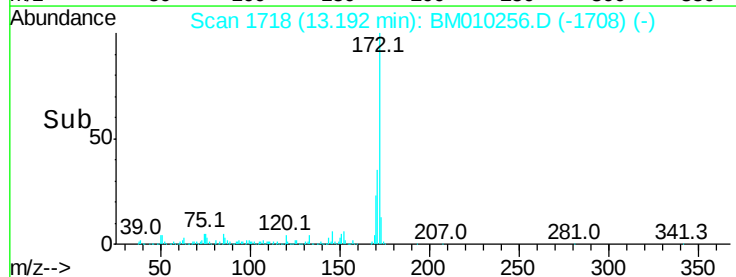


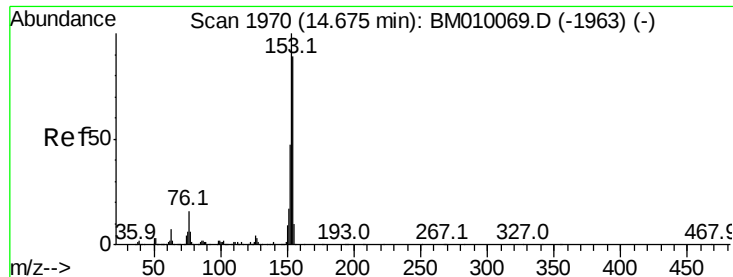
#44  
 2-Fluorobiphenyl  
 Concen: 98.02 ng  
 RT: 13.19 min Scan# 1718  
 Delta R.T. -0.04 min  
 Lab File: BM010256.D  
 Acq: 26 May 2017 14:35

Tgt Ion:172 Resp: 2008487  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 28.5 42.7  
 170 23.5 18.8 28.2



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 4.31 ng

RT: 14.63 min Scan# 1963

Delta R.T. -0.04 min

Lab File: BM010256.D

Acq: 26 May 2017 14:35

Instrument :

BNA\_M

ClientSampleId :

PURGE-WATER-B

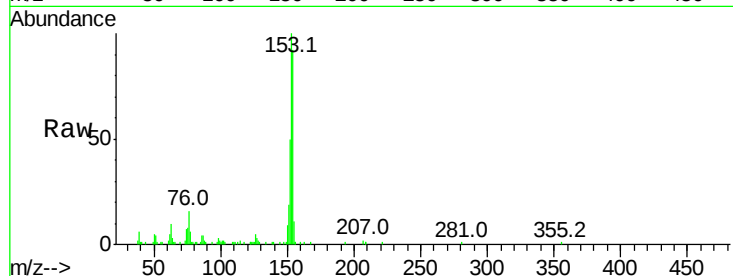
Tot Ion:154 Resp: 69419

Ion Ratio Lower Upper

154 100

153 108.6 90.0 135.0

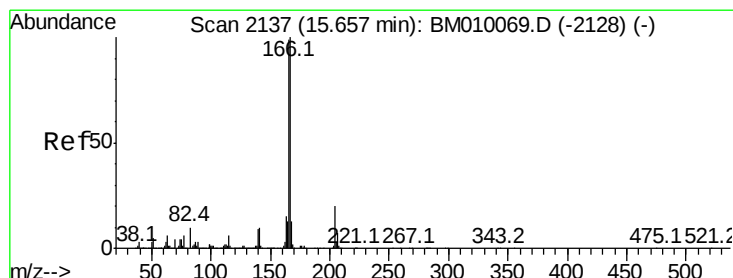
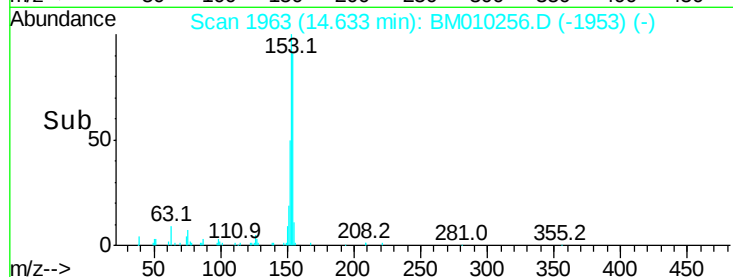
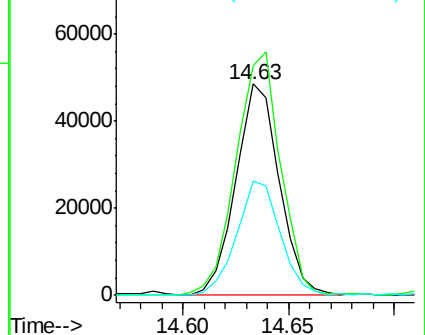
152 54.2 42.6 63.8



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



#57

Fluorene

Concen: 2.81 ng

RT: 15.62 min Scan# 2130

Delta R.T. -0.04 min

Lab File: BM010256.D

Acq: 26 May 2017 14:35

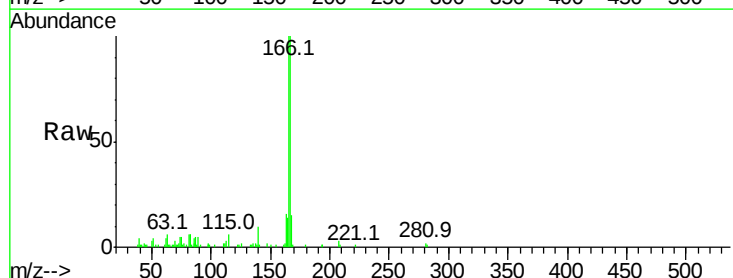
Tgt Ion:166 Resp: 61885

Ion Ratio Lower Upper

166 100

165 99.8 79.0 118.4

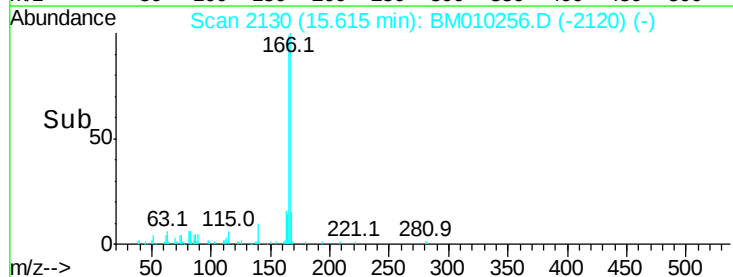
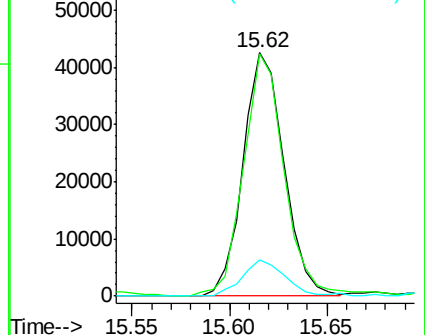
167 14.7 10.3 15.5

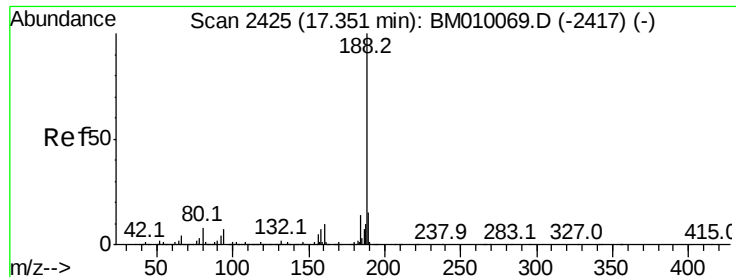


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

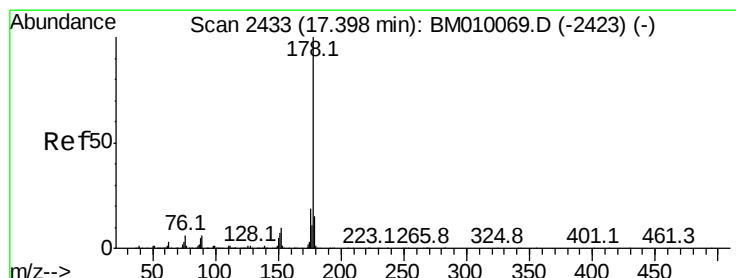
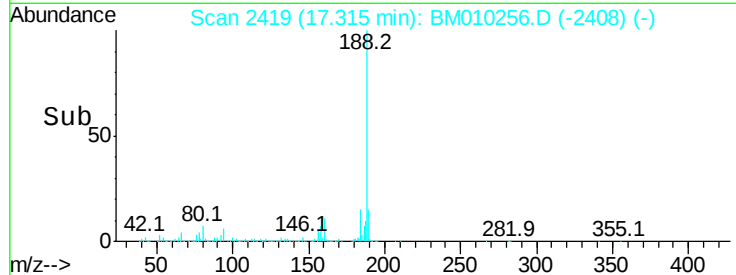
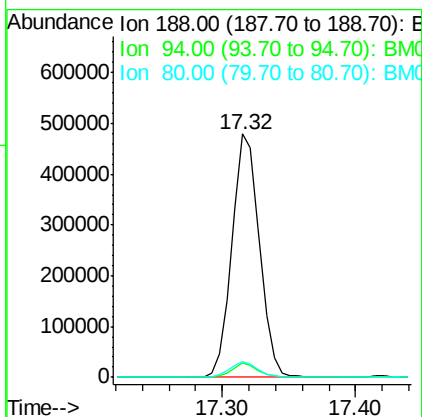
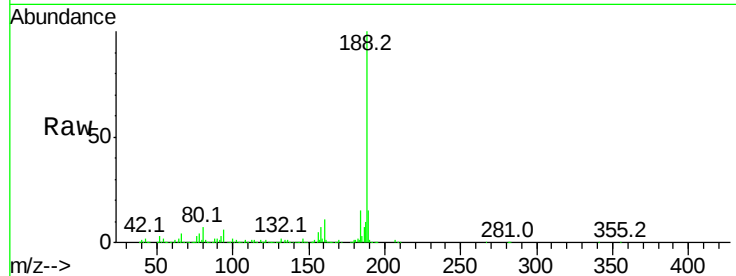




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.32 min Scan# 2419  
Delta R.T. -0.04 min  
Lab File: BM010256.D  
Acq: 26 May 2017 14:35

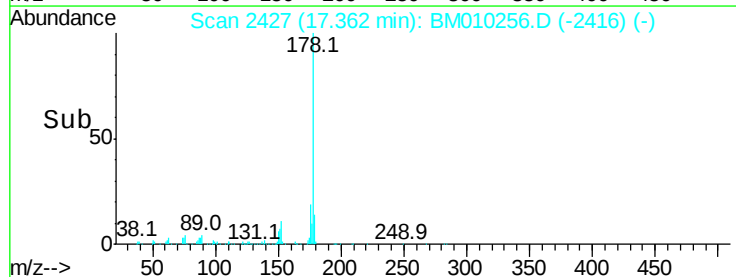
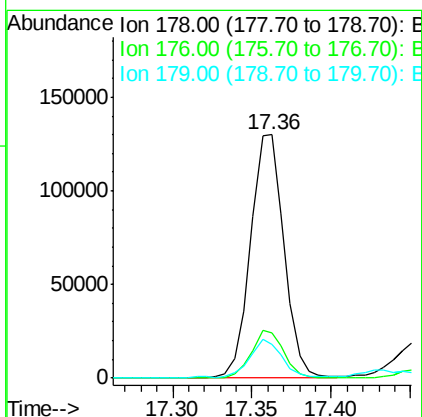
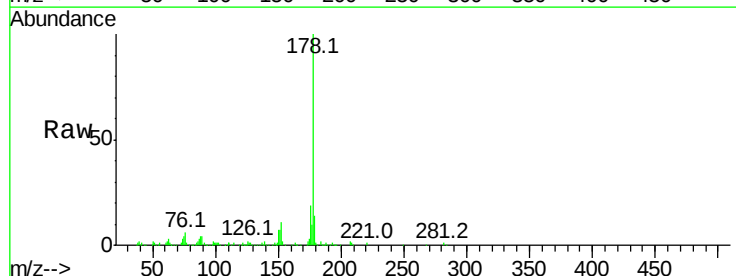
Instrument :  
BNA\_M  
ClientSampleId :  
PURGE-WATER-B

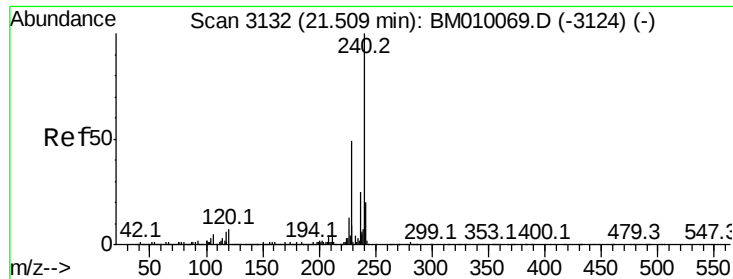
Tot Ion:188 Resp: 688488  
Ion Ratio Lower Upper  
188 100  
94 5.7 8.7 13.1#  
80 6.6 9.3 13.9#



#70  
Phenanthrene  
Concen: 4.96 ng  
RT: 17.36 min Scan# 2427  
Delta R.T. -0.04 min  
Lab File: BM010256.D  
Acq: 26 May 2017 14:35

Tgt Ion:178 Resp: 191220  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.2 22.8  
179 13.9 12.1 18.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.48 min Scan# 3127

Delta R.T. -0.03 min

Lab File: BM010256.D

Acq: 26 May 2017 14:35

Instrument :

BNA\_M

ClientSampleId :

PURGE-WATER-B

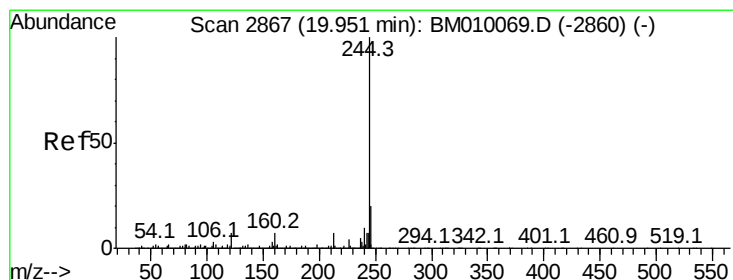
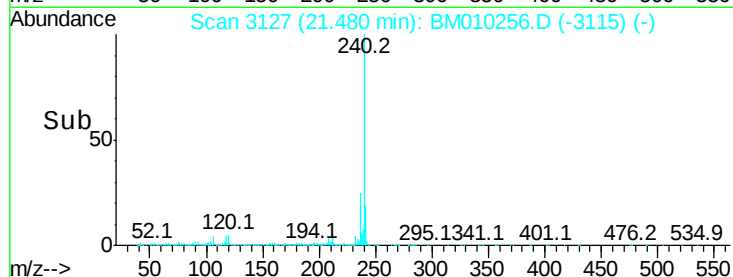
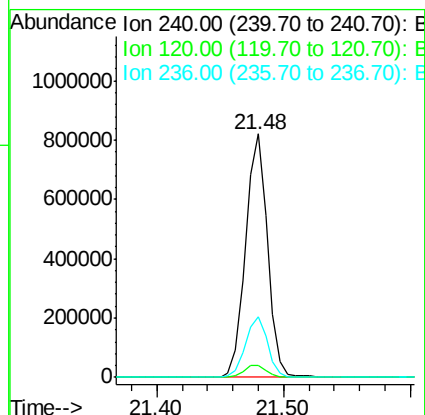
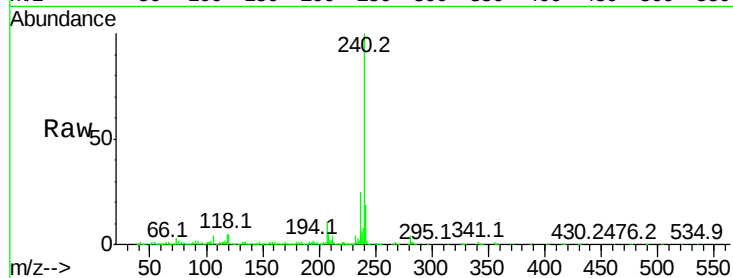
Tot Ion:240 Resp: 981567

Ion Ratio Lower Upper

240 100

120 5.0 8.2 12.2#

236 25.0 20.0 30.0



#78

Terphenyl-d14

Concen: 93.64 ng

RT: 19.92 min Scan# 2862

Delta R.T. -0.03 min

Lab File: BM010256.D

Acq: 26 May 2017 14:35

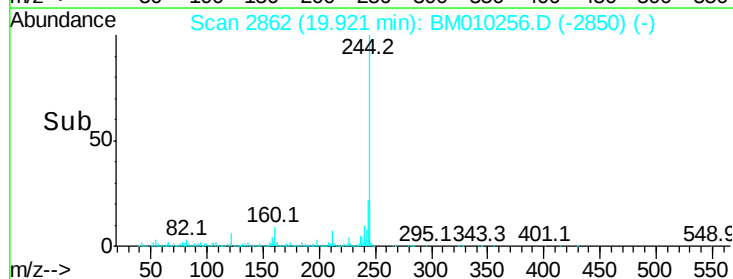
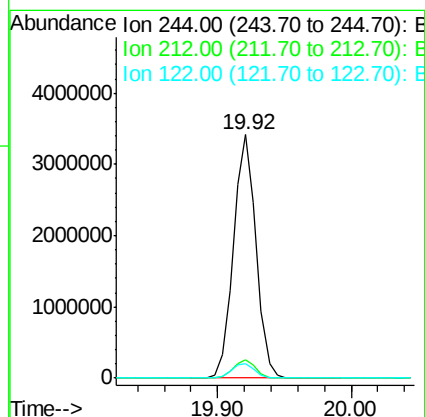
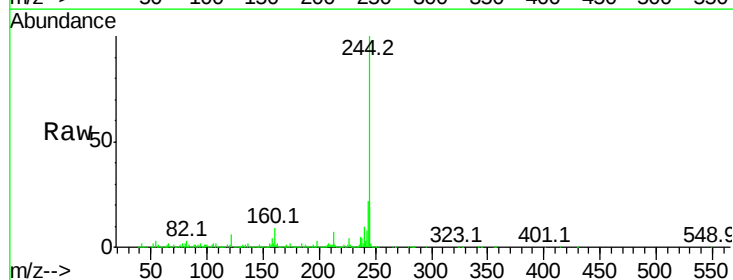
Tgt Ion:244 Resp: 4042146

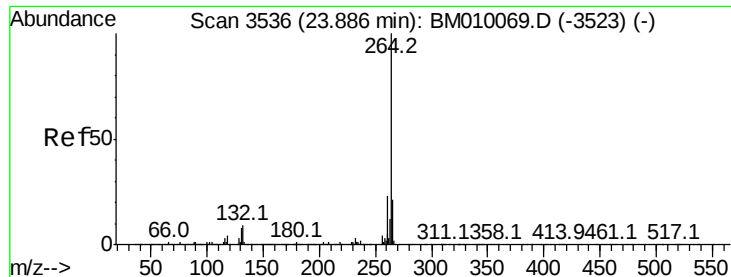
Ion Ratio Lower Upper

244 100

212 7.5 4.9 7.3#

122 6.0 6.2 9.4#





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 23.83 min Scan# 3527  
 Delta R.T. -0.05 min  
 Lab File: BM010256.D  
 Acq: 26 May 2017 14:35

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PURGE-WATER-B

Tot Ion:264 Resp: 1054062  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 18.6  | 27.8  |
| 265 | 22.6  | 17.3  | 25.9  |

