

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050517\  
 Data File : BM009913.D  
 Acq On : 05 May 2017 21:40  
 Operator : SJ/MA  
 Sample : I2893-06  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: May 06 00:20:13 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM050517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 05 14:52:12 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.77  | 152  | 103015   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.57 | 136  | 419052   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.43 | 164  | 257530   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.19 | 188  | 637871   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.37 | 240  | 779069   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 23.68 | 264  | 627540   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.37  | 112  | 457248   | 70.66  | ng    | 0.00     |
| 7) Phenol-d6                | 6.96  | 99   | 394323   | 39.76  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.95  | 82   | 1260638  | 108.86 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.94 | 330  | 668406   | 190.04 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.04 | 172  | 2266812  | 114.68 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.82 | 244  | 4296589  | 113.14 | ng    | 0.00     |

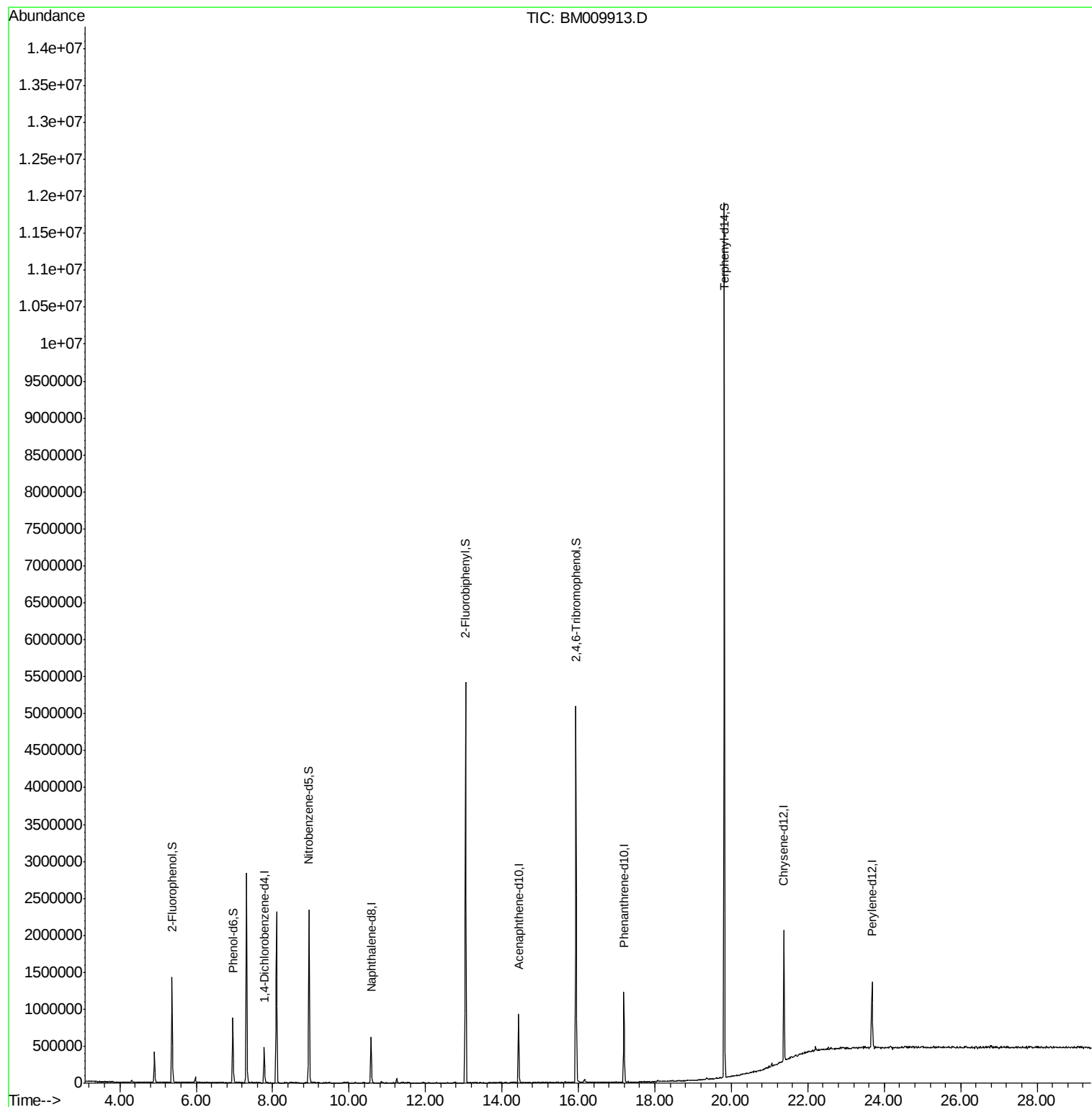
Target Compounds Qvalue

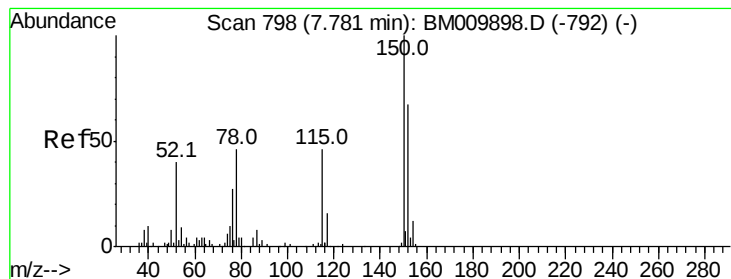
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.77 min Scan# 797

Delta R.T. -0.01 min

Lab File: BM009913.D

Acq: 05 May 2017 21:40

Instrument :

BNA\_M

ClientSampleId :

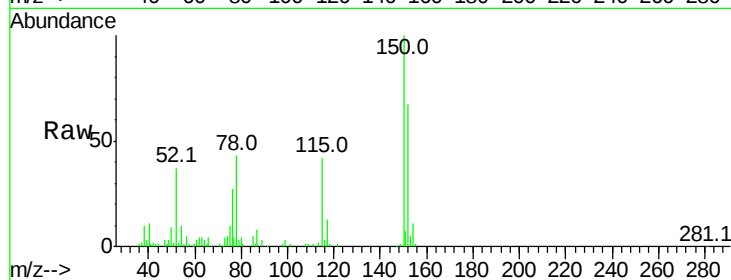
Tot Ion:152 Resp: 103015

Ion Ratio Lower Upper

152 100

150 149.8 119.5 179.3

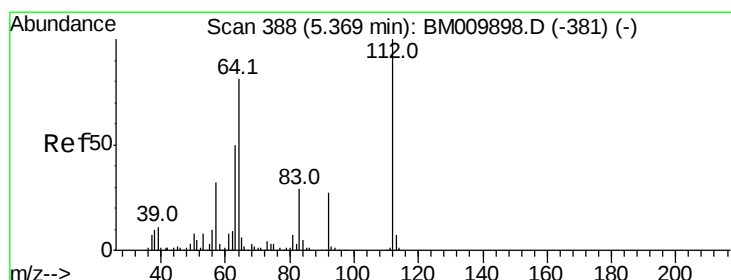
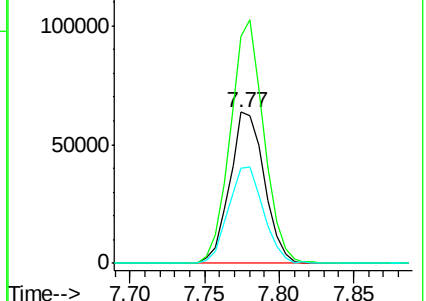
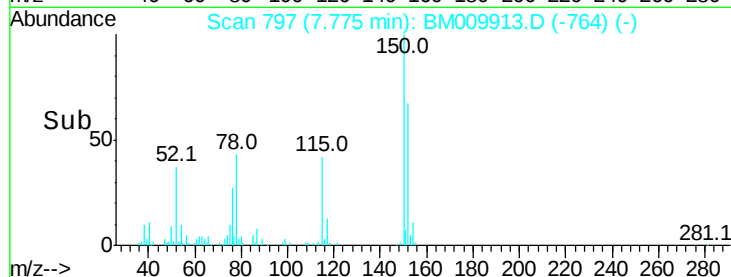
115 62.8 43.0 64.4



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: 70.66 ng

RT: 5.37 min Scan# 388

Delta R.T. 0.00 min

Lab File: BM009913.D

Acq: 05 May 2017 21:40

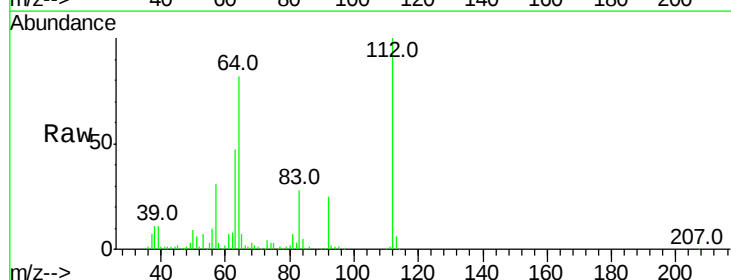
Tgt Ion:112 Resp: 457248

Ion Ratio Lower Upper

112 100

64 82.4 38.6 57.8#

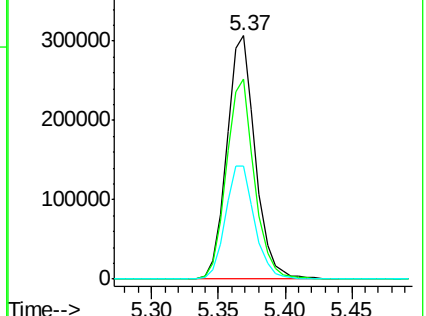
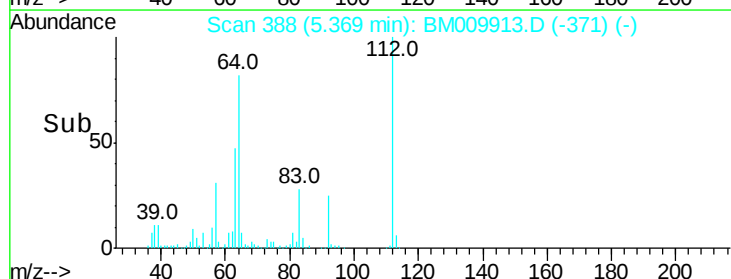
63 46.6 19.3 28.9#

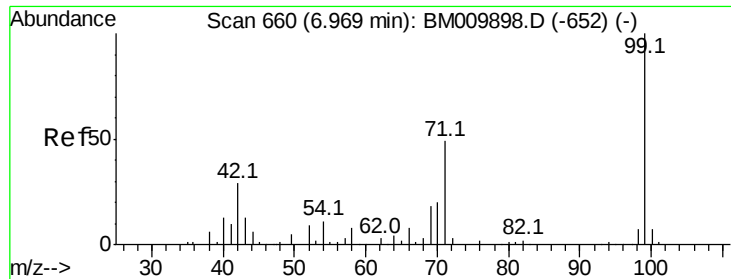


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 39.76 ng

RT: 6.96 min Scan# 659

Delta R.T. -0.01 min

Lab File: BM009913.D

Acq: 05 May 2017 21:40

Instrument :

BNA\_M

ClientSampleId :

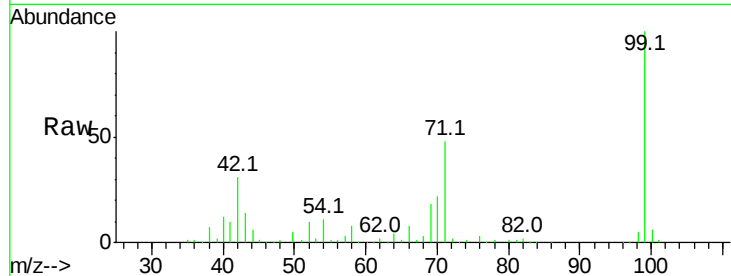
Tot Ion: 99 Resp: 394323

Ion Ratio Lower Upper

99 100

42 31.0 11.0 16.4#

71 47.5 23.4 35.2#

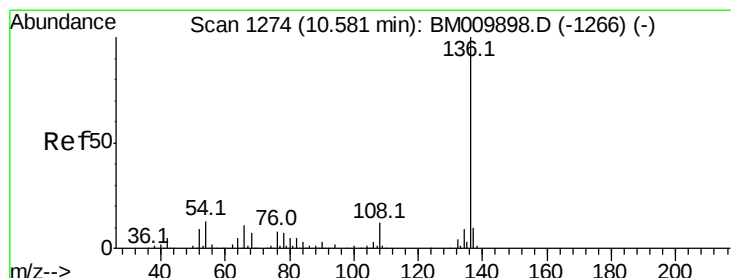
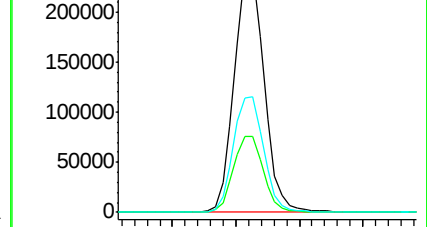
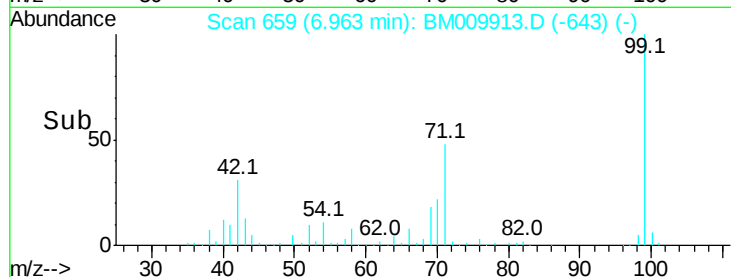


Abundance Ion 99.00 (98.70 to 99.70): BM009898.D (-652) (-)

Ion 42.00 (41.70 to 42.70): BM009898.D (-652) (-)

Ion 71.00 (70.70 to 71.70): BM009898.D (-652) (-)

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BM009913.D

Acq: 05 May 2017 21:40

Tgt Ion: 136 Resp: 419052

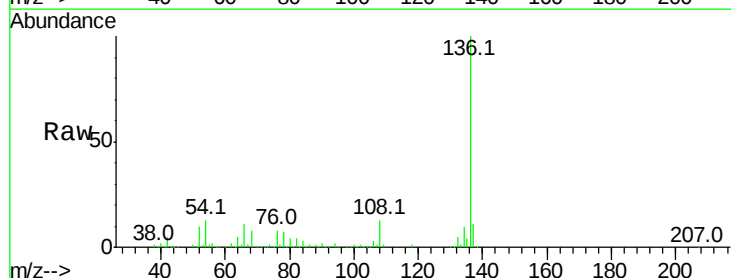
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 12.8 4.6 6.8#

68 7.8 3.7 5.5#



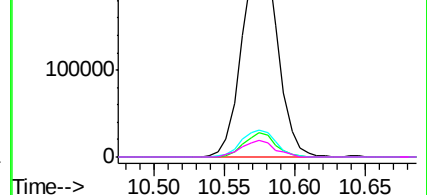
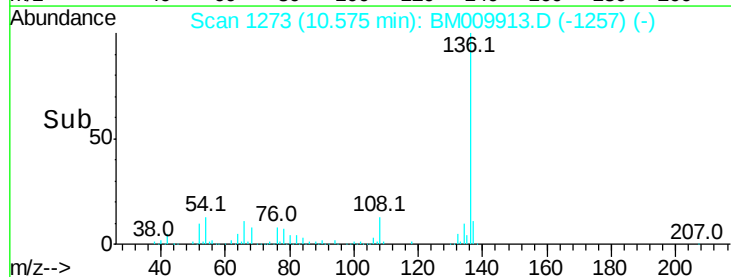
Abundance Ion 136.00 (135.70 to 136.70): BM009898.D (-1266) (-)

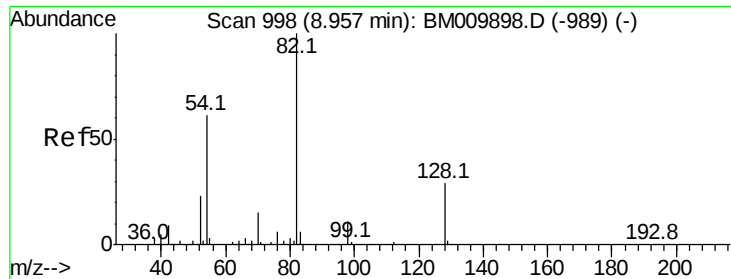
Ion 137.00 (136.70 to 137.70): BM009898.D (-1266) (-)

Ion 54.00 (53.70 to 54.70): BM009898.D (-1266) (-)

Ion 68.00 (67.70 to 68.70): BM009898.D (-1266) (-)

Time-->

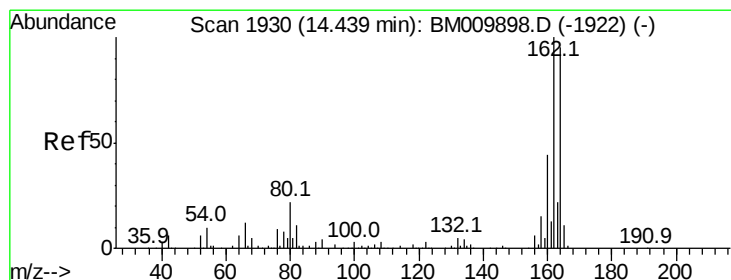
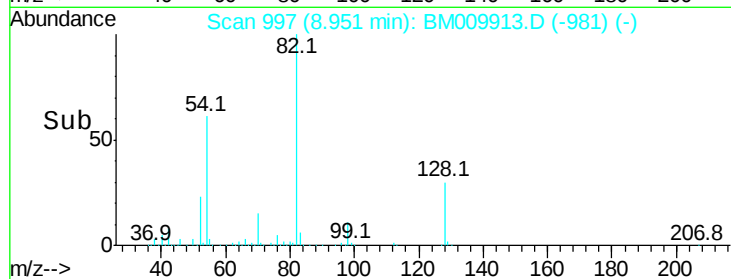
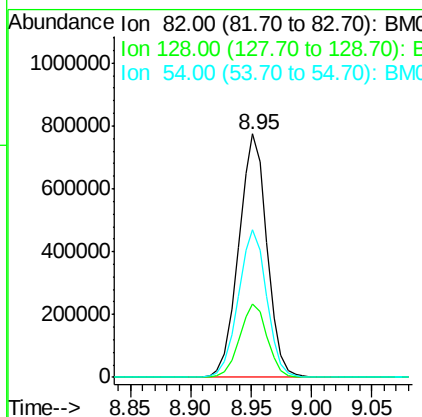
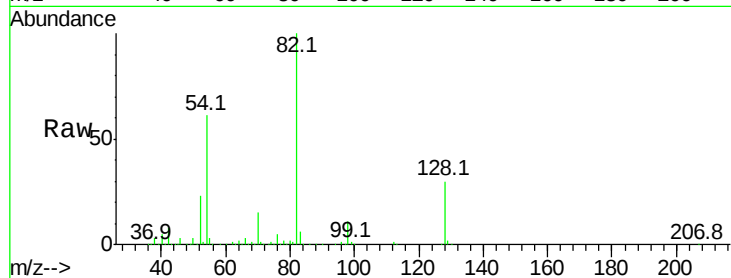




#23  
 Nitrobenzene-d5  
 Concen: 108.86 ng  
 RT: 8.95 min Scan# 997  
 Delta R.T. -0.01 min  
 Lab File: BM009913.D  
 Acq: 05 May 2017 21:40

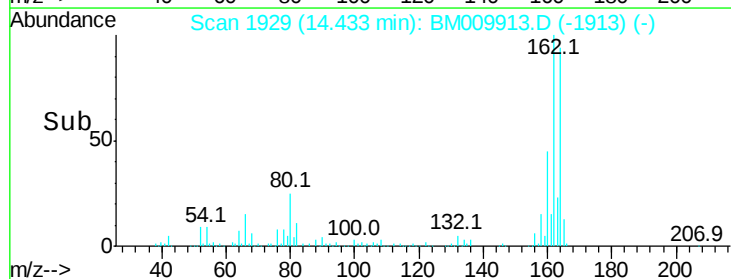
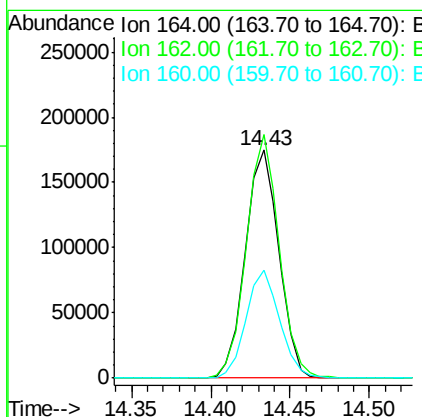
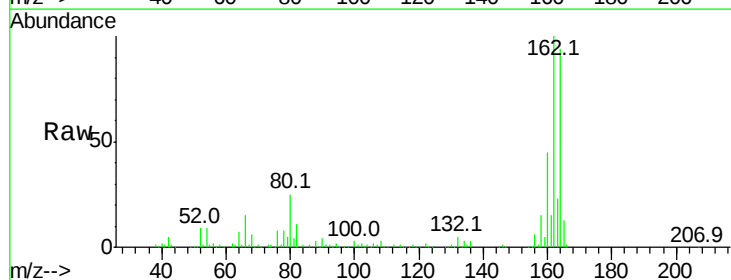
Instrument :  
 BNA\_M  
 ClientSampled :

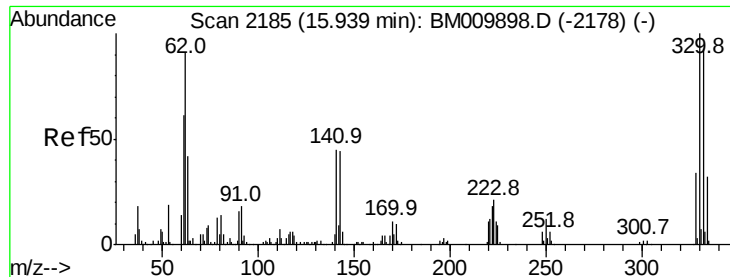
Tot Ion: 82 Resp: 1260638  
 Ion Ratio Lower Upper  
 82 100  
 128 29.9 32.8 49.2#  
 54 60.9 40.6 60.8#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.43 min Scan# 1929  
 Delta R.T. -0.01 min  
 Lab File: BM009913.D  
 Acq: 05 May 2017 21:40

Tgt Ion: 164 Resp: 257530  
 Ion Ratio Lower Upper  
 164 100  
 162 106.7 82.4 123.6  
 160 47.6 35.8 53.6

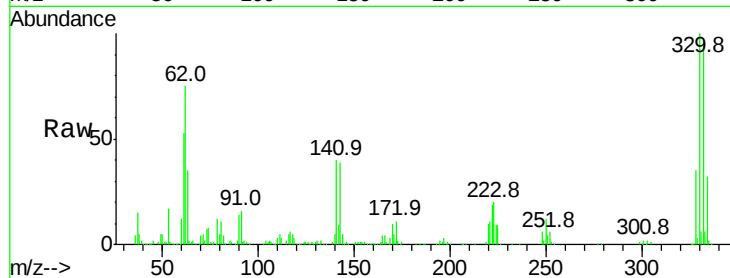




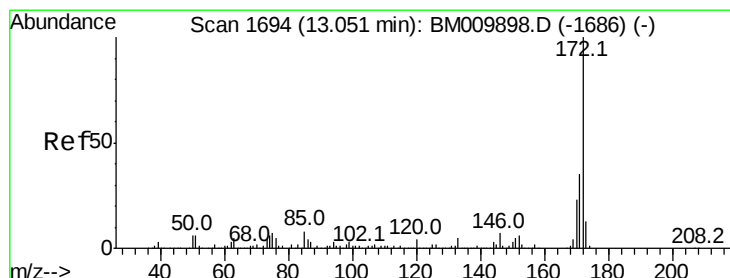
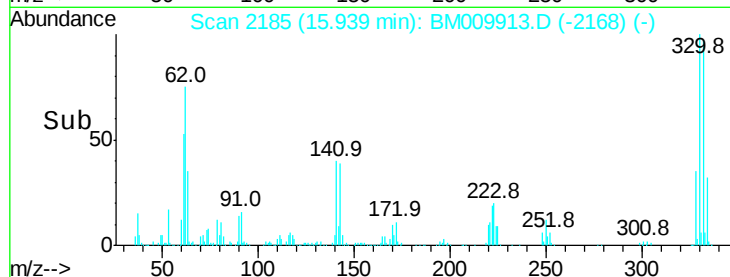
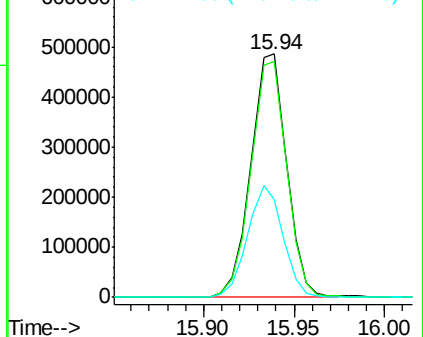
#41  
 2,4,6-Tribromophenol  
 Concen: 190.04 ng  
 RT: 15.94 min Scan# 2185  
 Delta R.T. -0.00 min  
 Lab File: BM009913.D  
 Acq: 05 May 2017 21:40

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:330 Resp: 668406  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 0.0 0.0#  
 141 45.6 0.0 0.0#

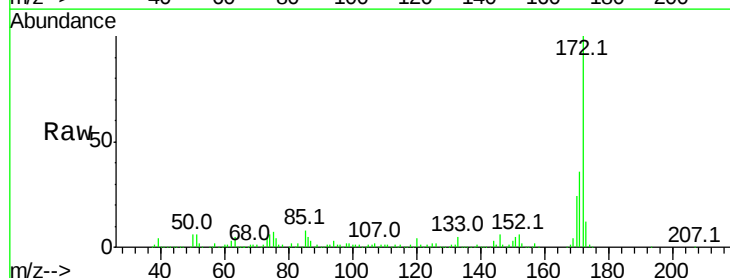


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

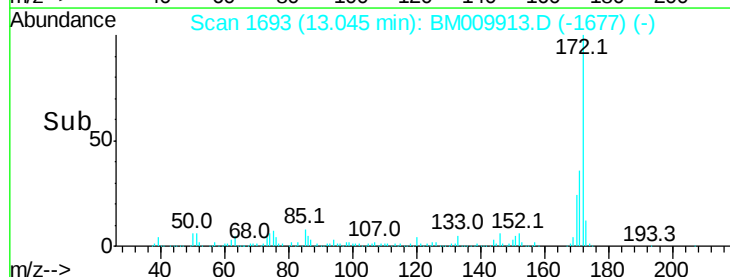
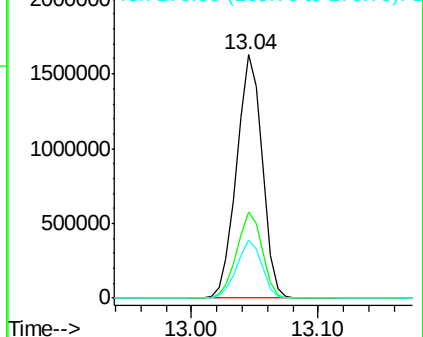


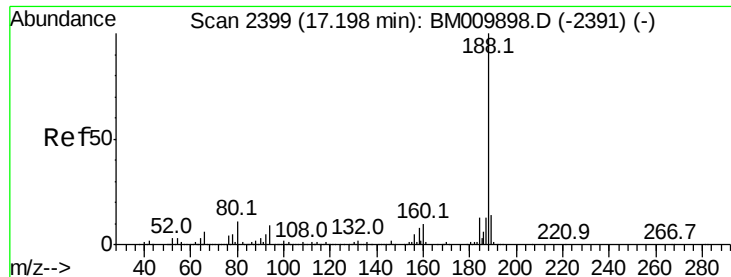
#44  
 2-Fluorobiphenyl  
 Concen: 114.68 ng  
 RT: 13.04 min Scan# 1693  
 Delta R.T. -0.01 min  
 Lab File: BM009913.D  
 Acq: 05 May 2017 21:40

Tgt Ion:172 Resp: 2266812  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 28.5 42.7  
 170 23.7 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

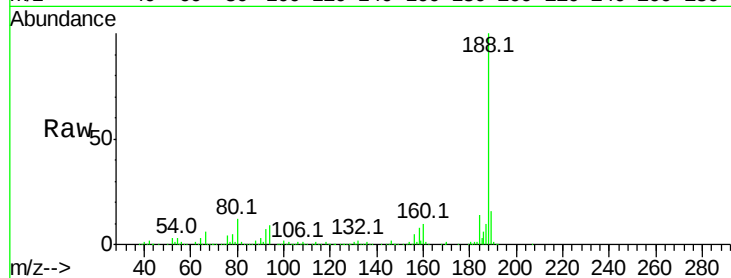




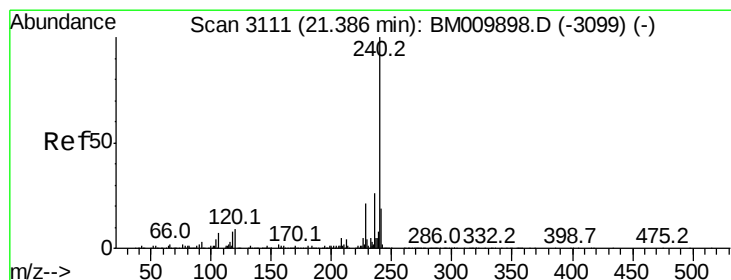
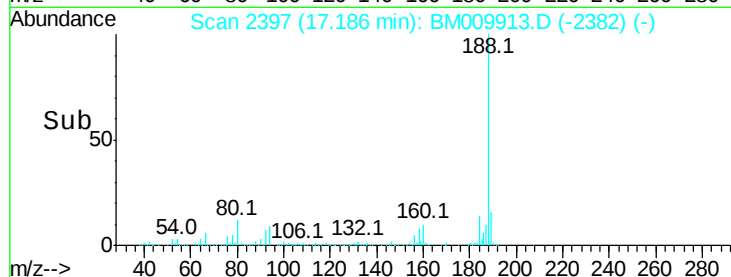
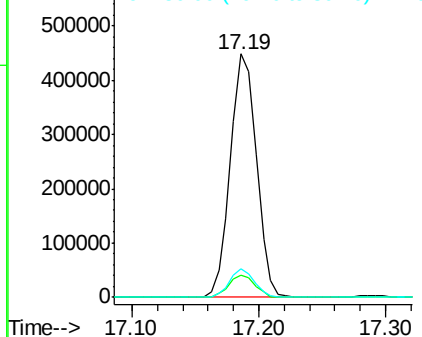
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.19 min Scan# 2397  
Delta R.T. -0.01 min  
Lab File: BM009913.D  
Acq: 05 May 2017 21:40

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:188 Resp: 637871  
Ion Ratio Lower Upper  
188 100  
94 9.2 8.7 13.1  
80 11.9 9.3 13.9

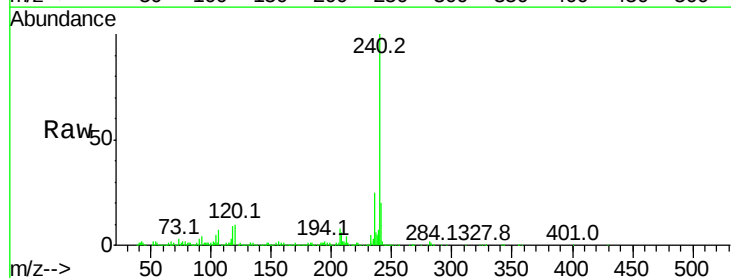


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BMO  
Ion 80.00 (79.70 to 80.70): BMO

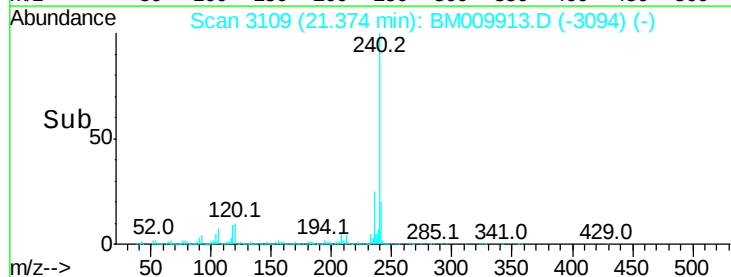
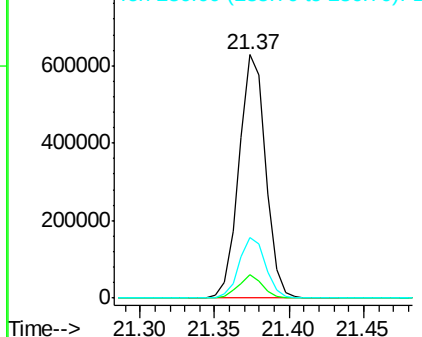


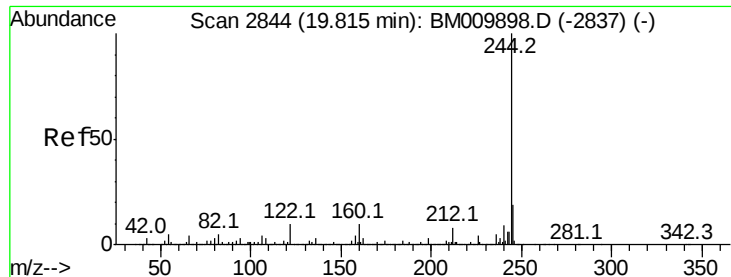
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.37 min Scan# 3109  
Delta R.T. -0.01 min  
Lab File: BM009913.D  
Acq: 05 May 2017 21:40

Tgt Ion:240 Resp: 779069  
Ion Ratio Lower Upper  
240 100  
120 9.9 8.2 12.2  
236 24.6 20.0 30.0



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

Terphenyl-d14

Concen: 113.14 ng

RT: 19.82 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BM009913.D

Acq: 05 May 2017 21:40

Instrument :

BNA\_M

ClientSampleId :

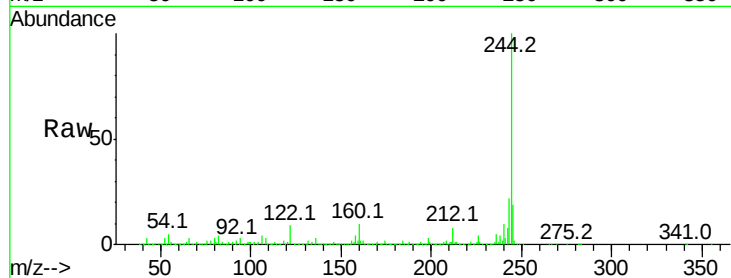
Tot Ion:244 Resp: 4296589

Ion Ratio Lower Upper

244 100

212 7.5 4.9 7.3#

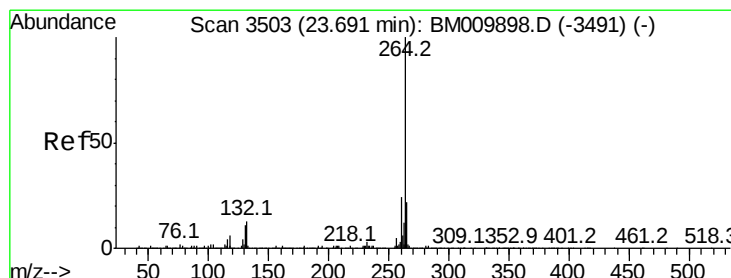
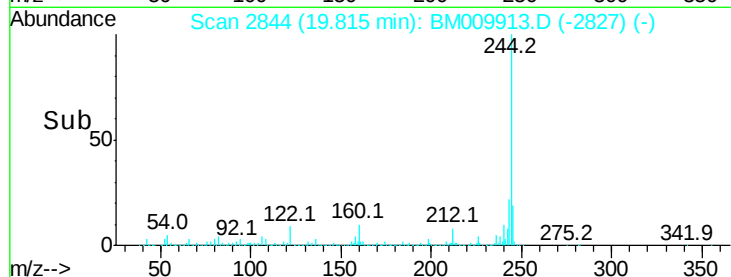
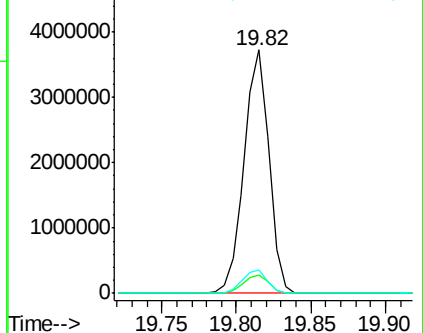
122 9.4 6.2 9.4#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.68 min Scan# 3501

Delta R.T. -0.01 min

Lab File: BM009913.D

Acq: 05 May 2017 21:40

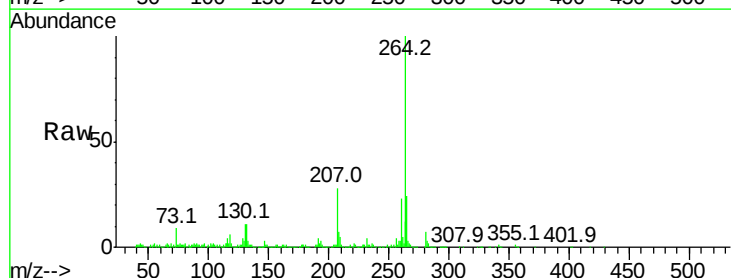
Tgt Ion:264 Resp: 627540

Ion Ratio Lower Upper

264 100

260 22.6 18.6 27.8

265 24.4 17.3 25.9



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

