

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040517\  
 Data File : BM009532.D  
 Acq On : 04 Apr 2017 16:39  
 Operator : SJ/MA  
 Sample : PB98027BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB98027BL

Quant Time: Apr 05 02:15:27 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 31 12:10:26 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.85  | 152  | 115081   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.64 | 136  | 450038   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.49 | 164  | 252819   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.24 | 188  | 611175   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.42 | 240  | 785815   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 23.74 | 264  | 721448   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 1024836  | 148.44 | ng    | -0.01    |
| 7) Phenol-d6                | 7.00  | 99   | 1387903  | 147.41 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.01  | 82   | 977109   | 81.41  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 15.98 | 330  | 436380   | 138.94 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.10 | 172  | 1759401  | 83.85  | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.86 | 244  | 2824087  | 75.10  | ng    | -0.01    |

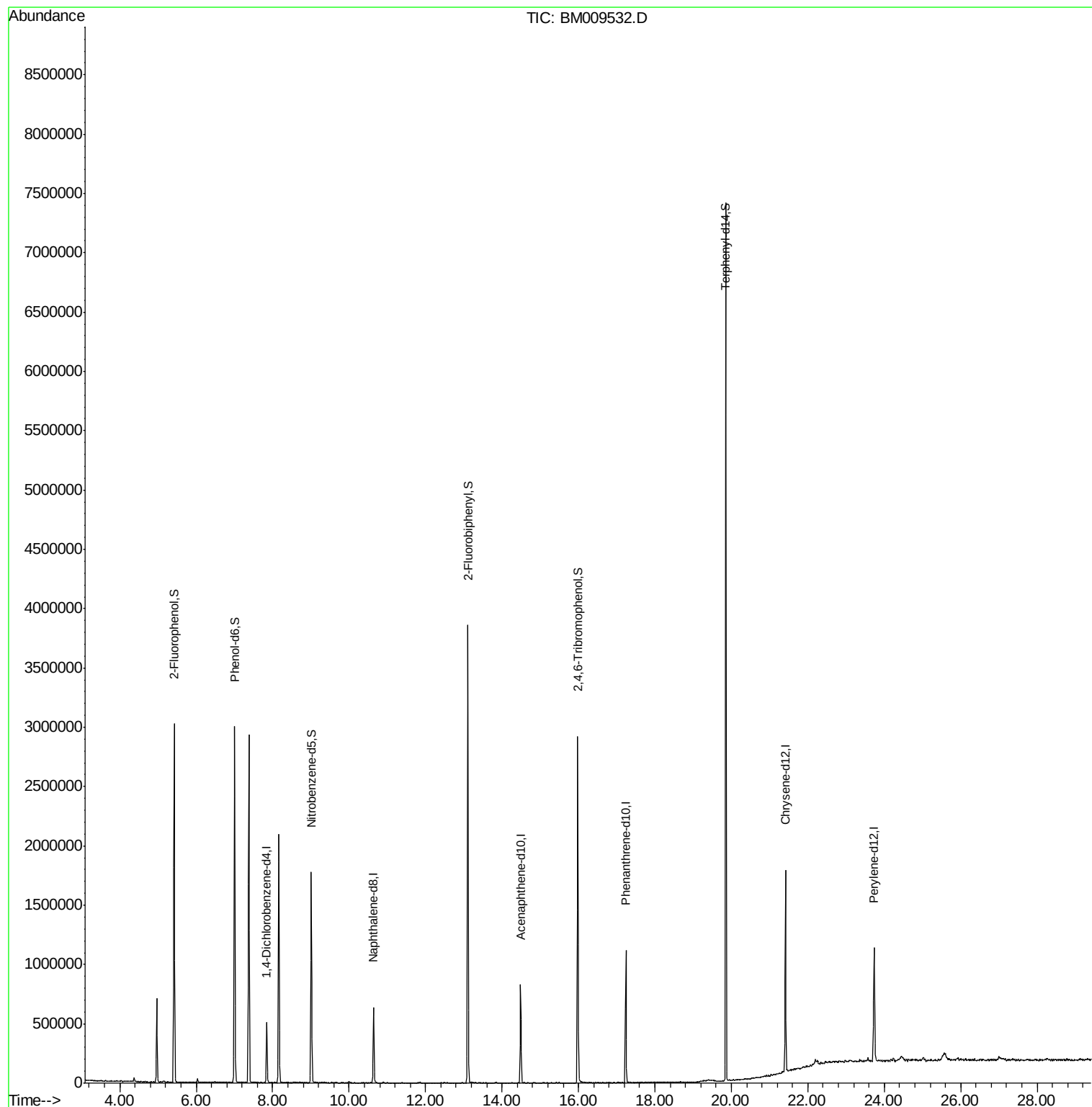
Target Compounds Qvalue

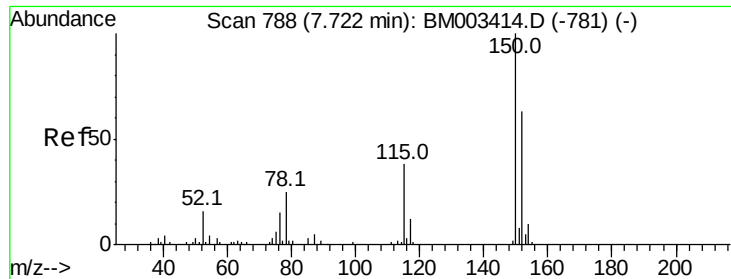
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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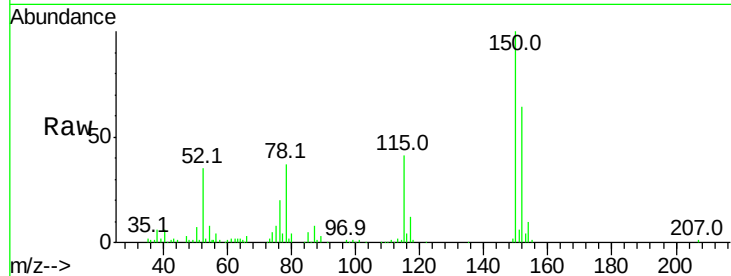


#1

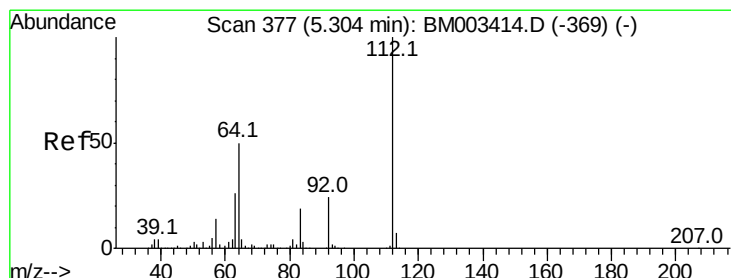
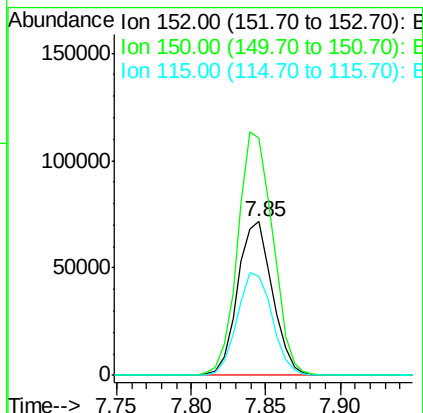
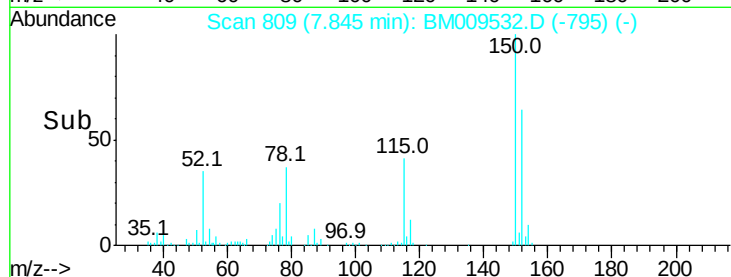
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.85 min Scan# 809  
Delta R.T. -0.02 min  
Lab File: BM009532.D  
Acq: 04 Apr 2017 16:39

Instrument :  
BNA\_M  
ClientSampled :  
PB98027BL

Tot Ion:152 Resp: 115081  
Ion Ratio Lower Upper  
152 100  
150 155.1 119.5 179.3  
115 64.2 43.0 64.4



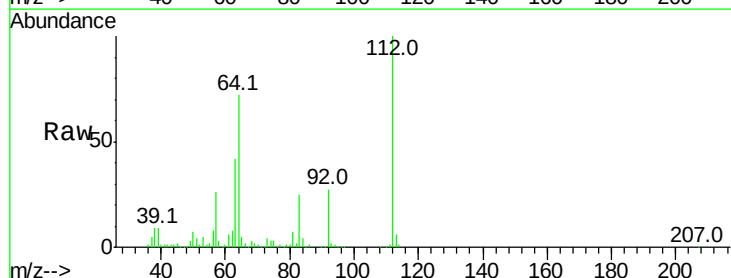
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



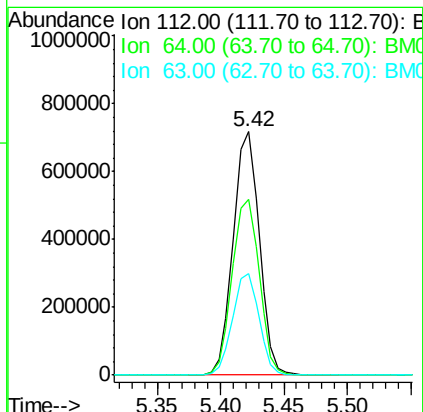
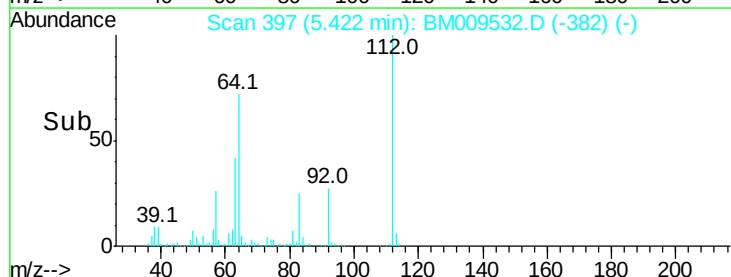
#5

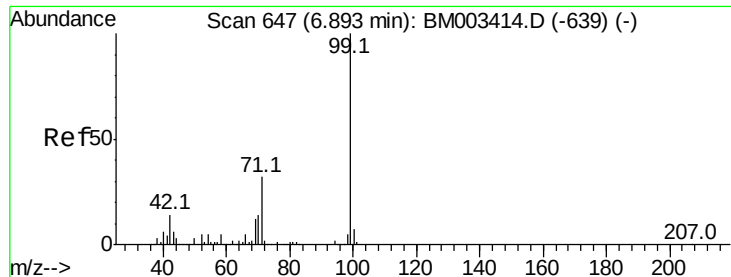
2-Fluorophenol  
Concen: 148.44 ng  
RT: 5.42 min Scan# 397  
Delta R.T. -0.01 min  
Lab File: BM009532.D  
Acq: 04 Apr 2017 16:39

Tgt Ion:112 Resp: 1024836  
Ion Ratio Lower Upper  
112 100  
64 72.5 38.6 57.8#  
63 41.5 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: 147.41 ng

RT: 7.00 min Scan# 666

Delta R.T. -0.02 min

Lab File: BM009532.D

Acq: 04 Apr 2017 16:39

Instrument :

BNA\_M

ClientSampleId :

PB98027BL

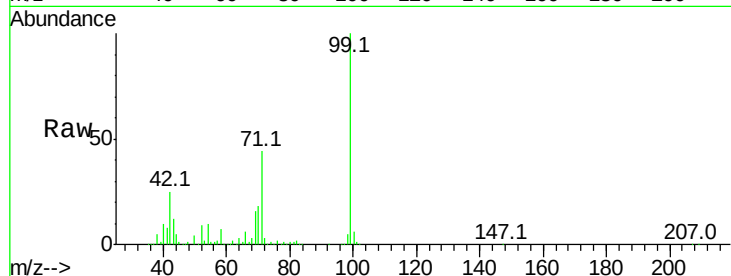
Tot Ion: 99 Resp: 1387903

Ion Ratio Lower Upper

99 100

42 24.9 11.0 16.4#

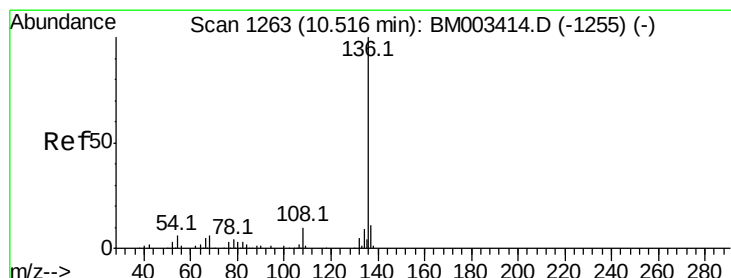
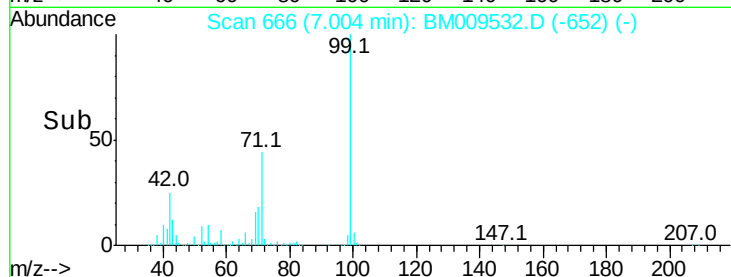
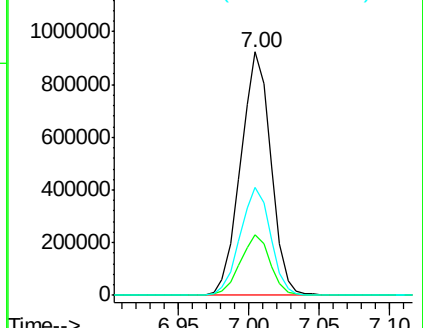
71 44.3 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM003414.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM003414.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM003414.D (-639) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BM009532.D

Acq: 04 Apr 2017 16:39

Tgt Ion: 136 Resp: 450038

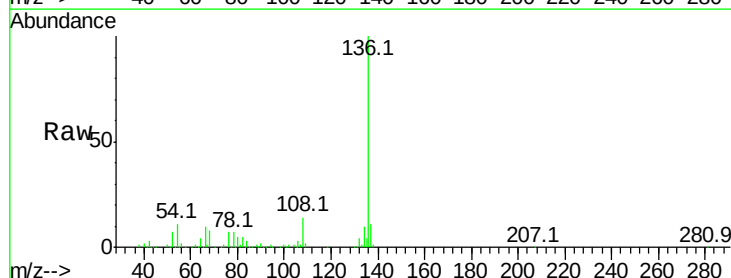
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 11.3 4.6 6.8#

68 8.3 3.7 5.5#

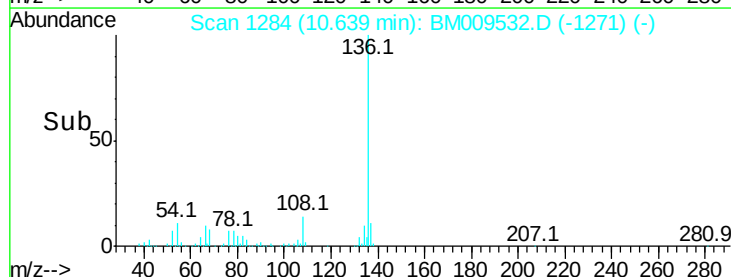
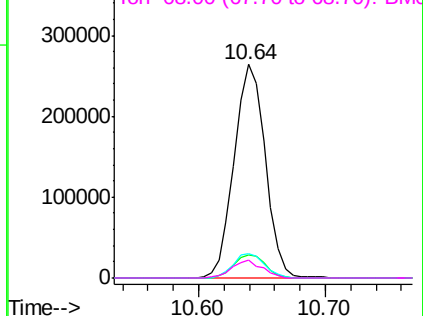


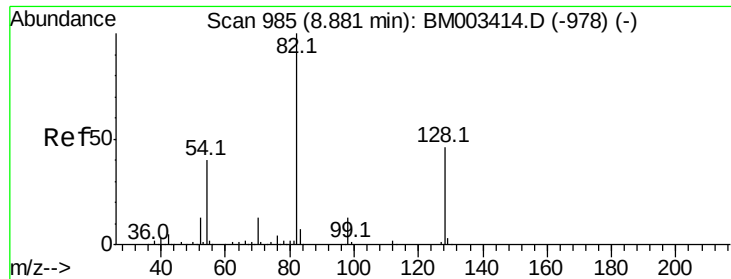
Abundance Ion 136.00 (135.70 to 136.70): BM003414.D (-1255) (-)

Ion 137.00 (136.70 to 137.70): BM003414.D (-1255) (-)

Ion 54.00 (53.70 to 54.70): BM003414.D (-1255) (-)

Ion 68.00 (67.70 to 68.70): BM003414.D (-1255) (-)

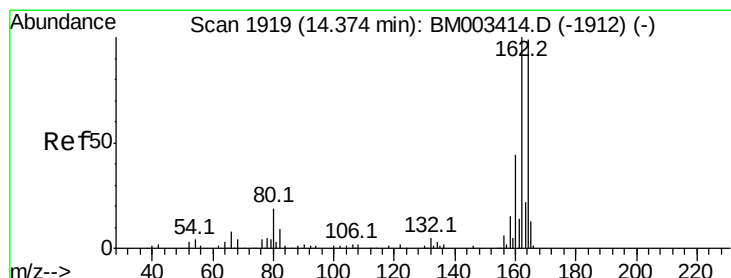
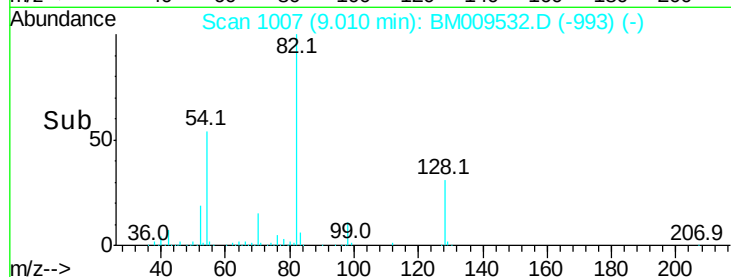
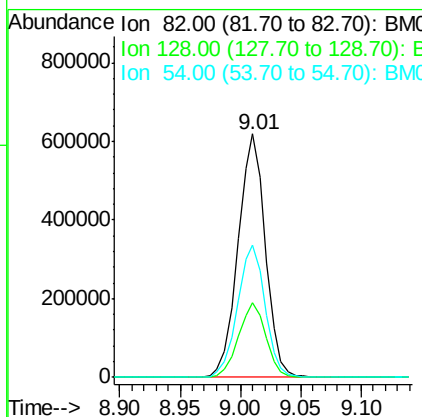
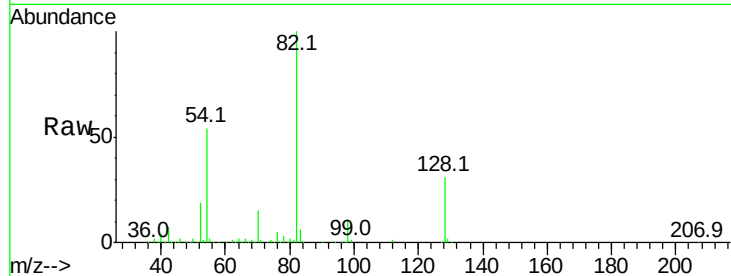




#23  
 Nitrobenzene-d5  
 Concen: 81.41 ng  
 RT: 9.01 min Scan# 1007  
 Delta R.T. -0.02 min  
 Lab File: BM009532.D  
 Acq: 04 Apr 2017 16:39

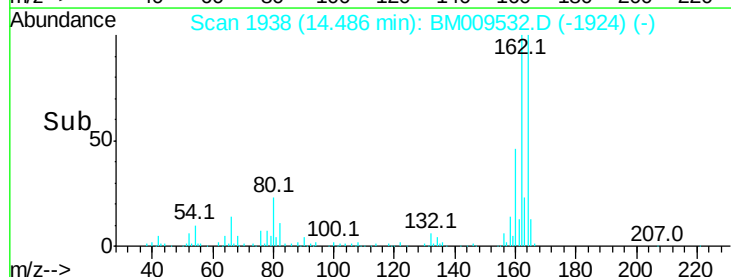
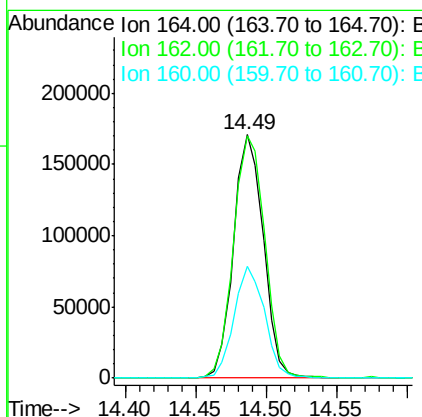
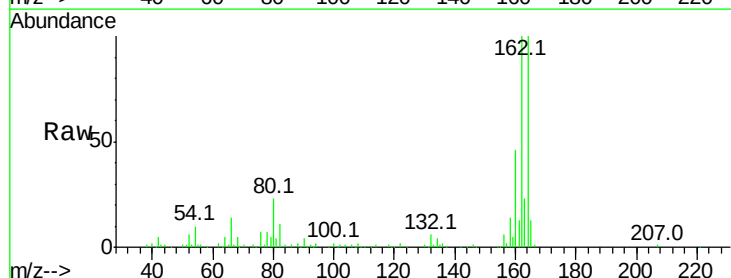
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB98027BL

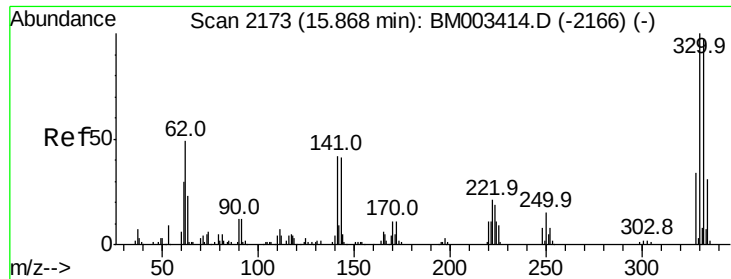
Tot Ion: 82 Resp: 977109  
 Ion Ratio Lower Upper  
 82 100  
 128 30.9 32.8 49.2#  
 54 54.5 40.6 60.8



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.49 min Scan# 1938  
 Delta R.T. -0.02 min  
 Lab File: BM009532.D  
 Acq: 04 Apr 2017 16:39

Tgt Ion:164 Resp: 252819  
 Ion Ratio Lower Upper  
 164 100  
 162 99.7 82.4 123.6  
 160 46.0 35.8 53.6

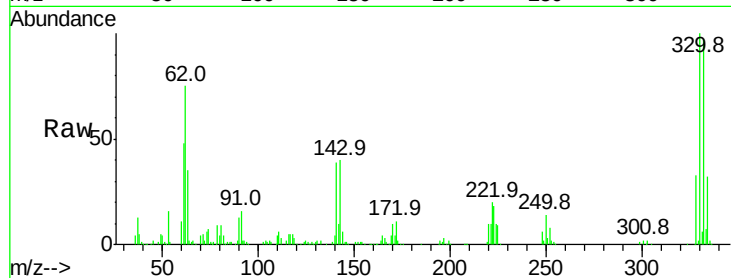




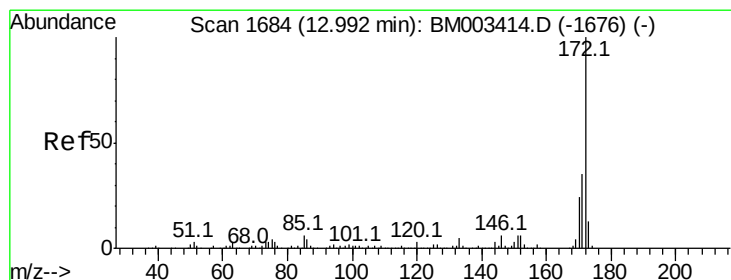
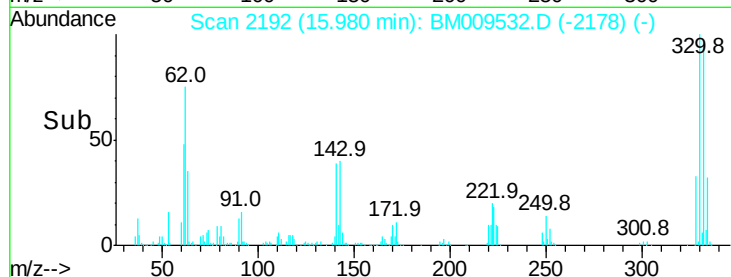
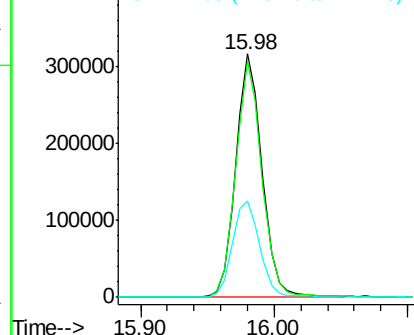
#41  
 2,4,6-Tribromophenol  
 Concen: 138.94 ng  
 RT: 15.98 min Scan# 2192  
 Delta R.T. -0.02 min  
 Lab File: BM009532.D  
 Acq: 04 Apr 2017 16:39

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB98027BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 0.0   | 0.0#  |
| 141     | 41.2  | 0.0   | 0.0#  |

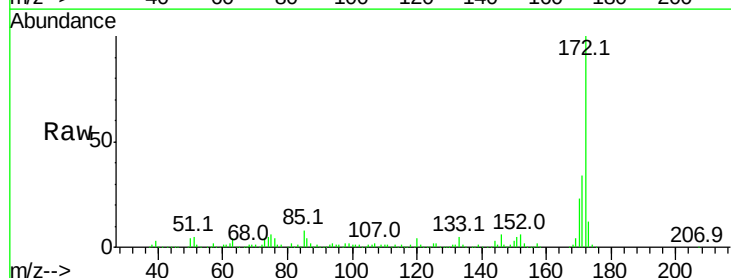


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

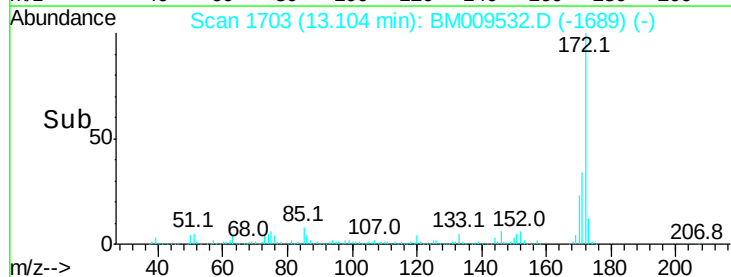
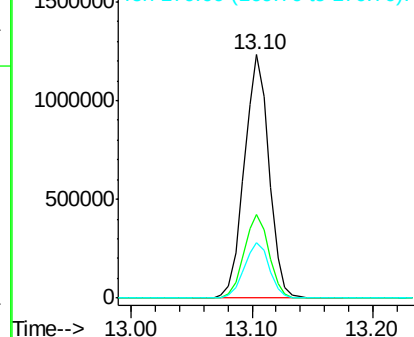


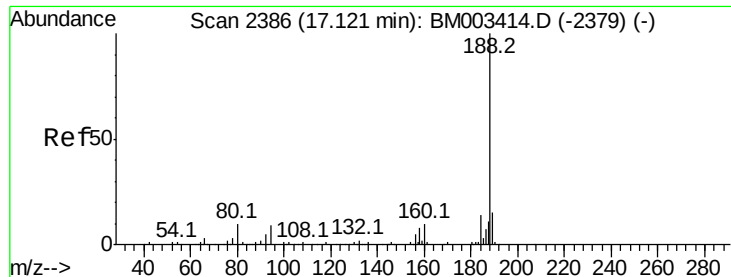
#44  
 2-Fluorobiphenyl  
 Concen: 83.85 ng  
 RT: 13.10 min Scan# 1703  
 Delta R.T. -0.02 min  
 Lab File: BM009532.D  
 Acq: 04 Apr 2017 16:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.3  | 28.5  | 42.7  |
| 170     | 22.7  | 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

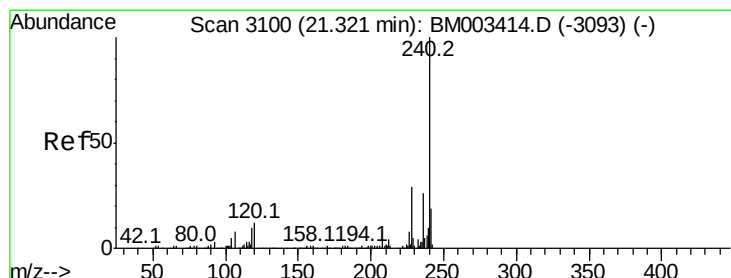
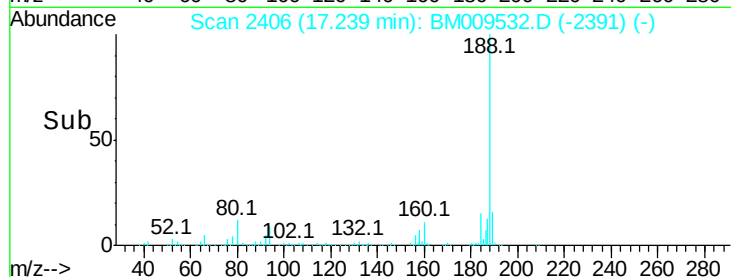
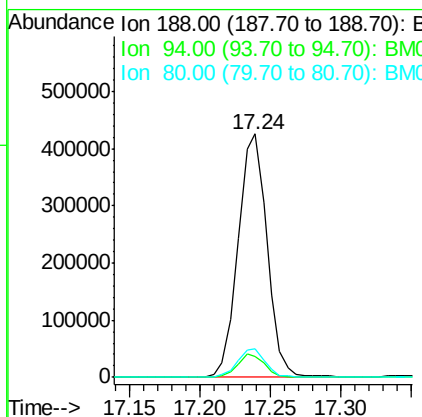
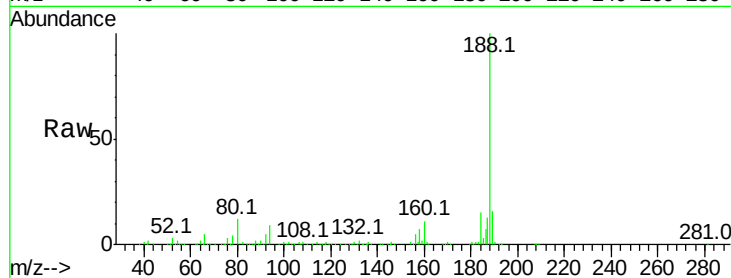




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.24 min Scan# 2406  
Delta R.T. -0.01 min  
Lab File: BM009532.D  
Acq: 04 Apr 2017 16:39

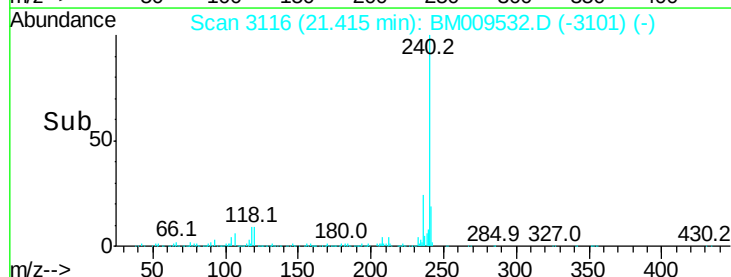
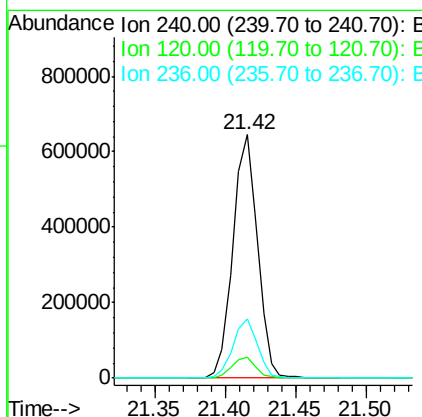
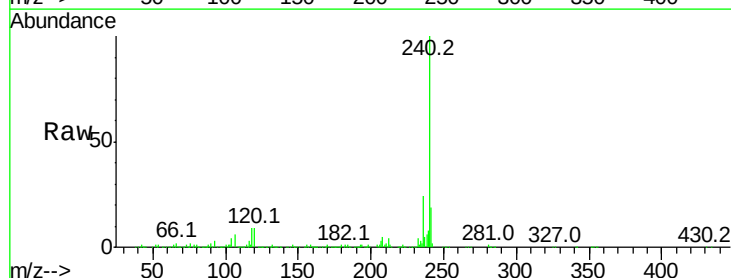
Instrument :  
BNA\_M  
ClientSampled :  
PB98027BL

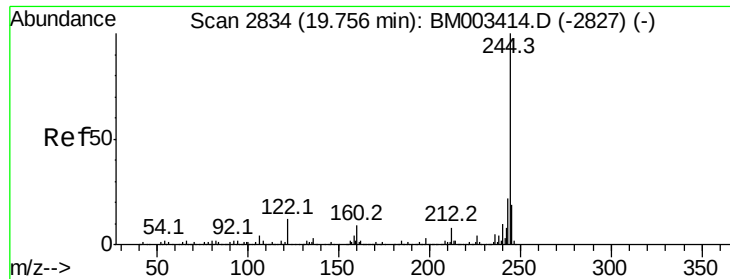
Tot Ion:188 Resp: 611175  
Ion Ratio Lower Upper  
188 100  
94 8.7 8.7 13.1#  
80 12.0 9.3 13.9



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.42 min Scan# 3116  
Delta R.T. -0.01 min  
Lab File: BM009532.D  
Acq: 04 Apr 2017 16:39

Tgt Ion:240 Resp: 785815  
Ion Ratio Lower Upper  
240 100  
120 8.8 8.2 12.2  
236 24.1 20.0 30.0

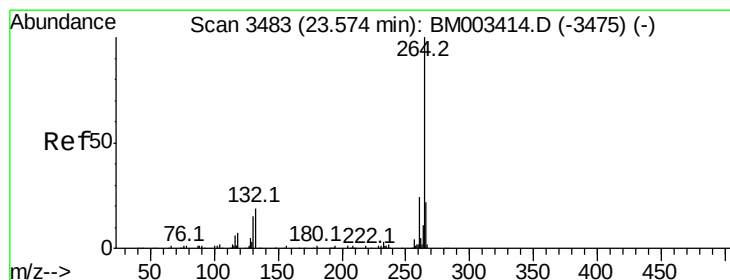
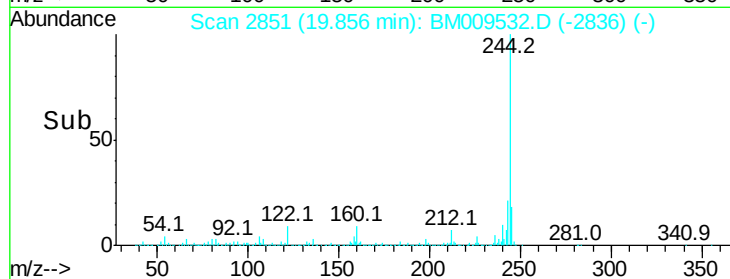
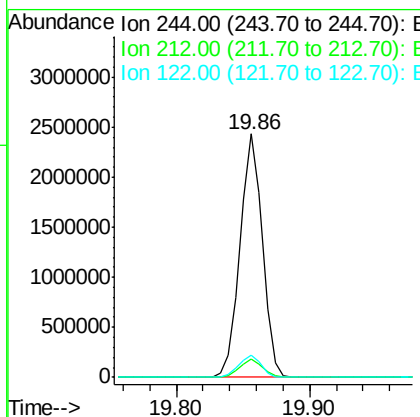
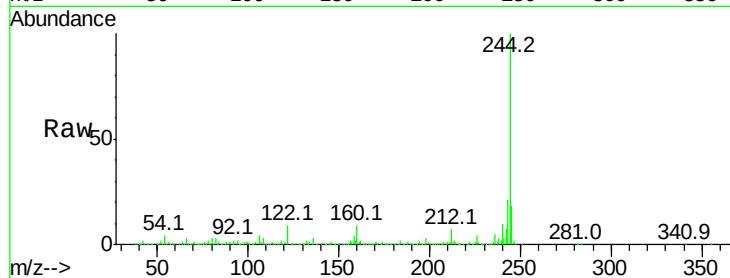




#78  
 Terphenyl-d14  
 Concen: 75.10 ng  
 RT: 19.86 min Scan# 2851  
 Delta R.T. -0.01 min  
 Lab File: BM009532.D  
 Acq: 04 Apr 2017 16:39

Instrument :  
 BNA\_M  
 ClientSampled :  
 PB98027BL

Tot Ion:244 Resp: 2824087  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 4.9 7.3#  
 122 9.3 6.2 9.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.74 min Scan# 3511  
 Delta R.T. -0.02 min  
 Lab File: BM009532.D  
 Acq: 04 Apr 2017 16:39

Tgt Ion:264 Resp: 721448  
 Ion Ratio Lower Upper  
 264 100  
 260 22.6 18.6 27.8  
 265 19.7 17.3 25.9

