

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040317\  
 Data File : BM009508.D  
 Acq On : 03 Apr 2017 19:53  
 Operator : SJ/MA  
 Sample : I2494-08  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DRW2

Quant Time: Apr 04 01:22:11 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  | 118724   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.64 | 136  | 453603   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.49 | 164  | 261754   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.24 | 188  | 651777   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.42 | 240  | 910631   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 23.73 | 264  | 844152   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 517313   | 72.63  | ng    | -0.01    |
| 7) Phenol-d6                | 7.00  | 99   | 458945   | 47.25  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.01  | 82   | 1096573  | 90.64  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 15.98 | 330  | 499547   | 153.62 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.10 | 172  | 1918336  | 88.31  | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.86 | 244  | 3712972  | 85.20  | ng    | -0.01    |

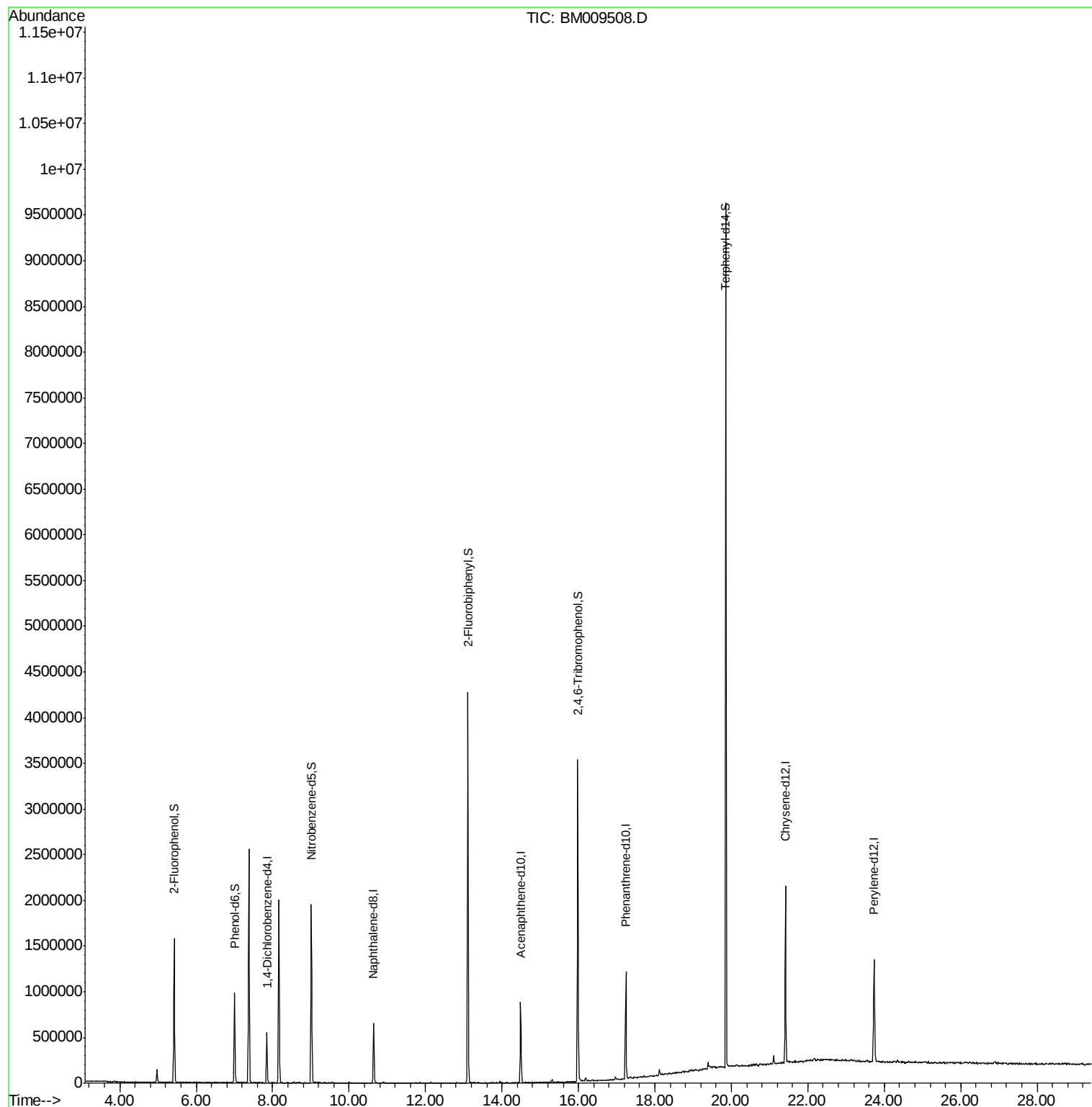
Target Compounds Qvalue

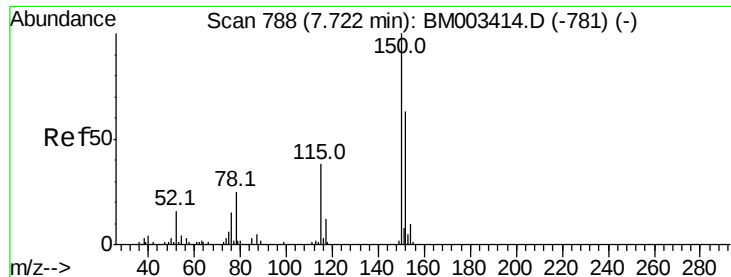
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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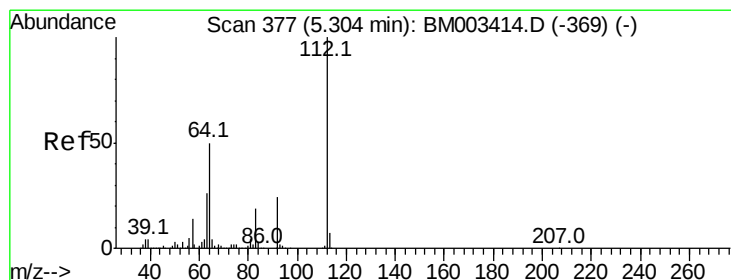
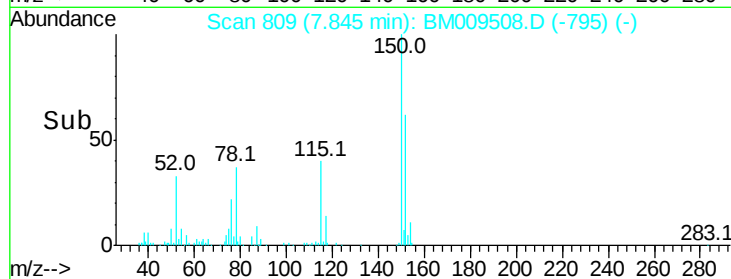
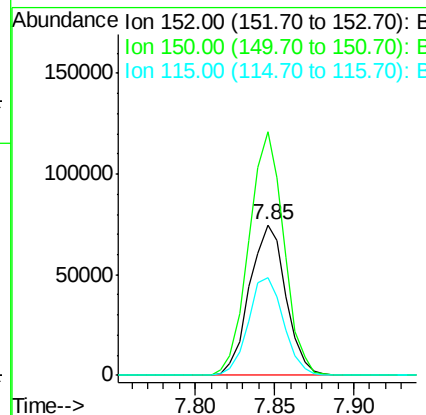
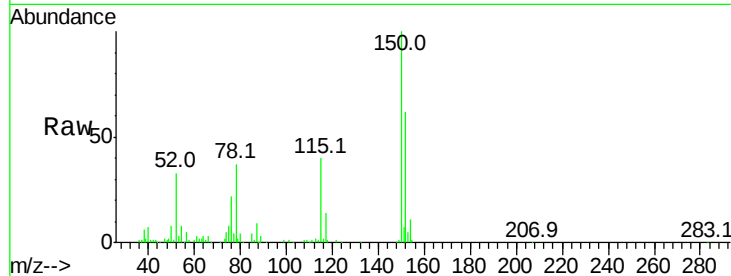


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.85 min Scan# 809  
Delta R.T. -0.02 min  
Lab File: BM009508.D  
Acq: 03 Apr 2017 19:53

Instrument :  
BNA\_M  
ClientSampleId :  
DRW2

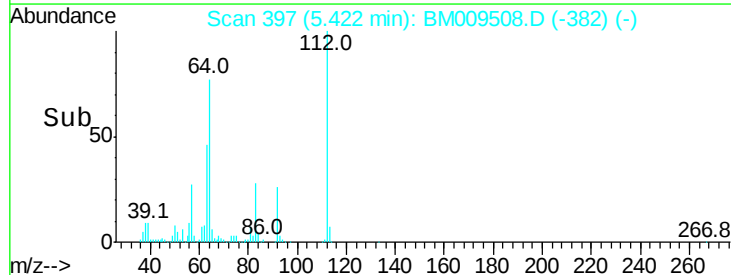
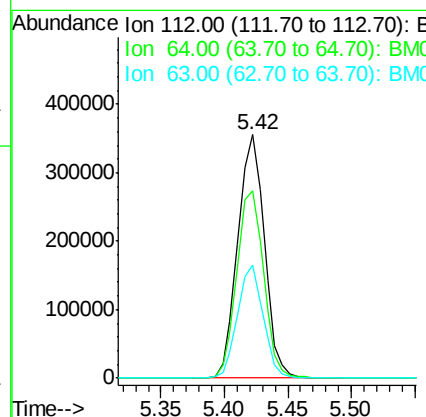
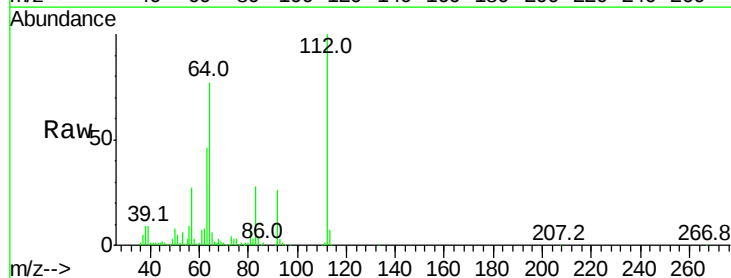
Tot Ion:152 Resp: 118724  
Ion Ratio Lower Upper  
152 100  
150 161.6 119.5 179.3  
115 65.2 43.0 64.4#

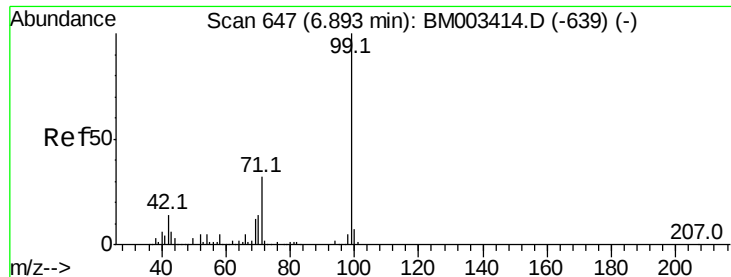


#5

2-Fluorophenol  
Concen: 72.63 ng  
RT: 5.42 min Scan# 397  
Delta R.T. -0.01 min  
Lab File: BM009508.D  
Acq: 03 Apr 2017 19:53

Tgt Ion:112 Resp: 517313  
Ion Ratio Lower Upper  
112 100  
64 76.7 38.6 57.8#  
63 46.4 19.3 28.9#





#7

Phenol-d6

Concen: 47.25 ng

RT: 7.00 min Scan# 666

Delta R.T. -0.02 min

Lab File: BM009508.D

Acq: 03 Apr 2017 19:53

Instrument :

BNA\_M

ClientSampleId :

DRW2

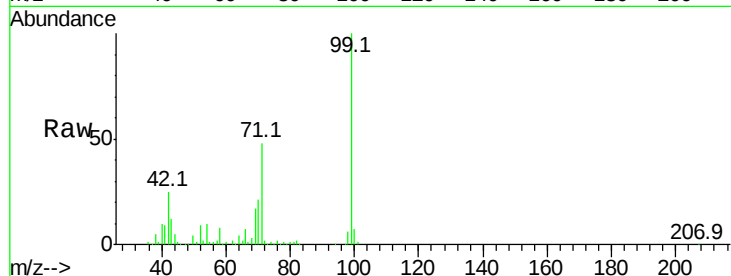
Tot Ion: 99 Resp: 458945

Ion Ratio Lower Upper

99 100

42 25.4 11.0 16.4#

71 47.7 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) (-)

7.00

300000

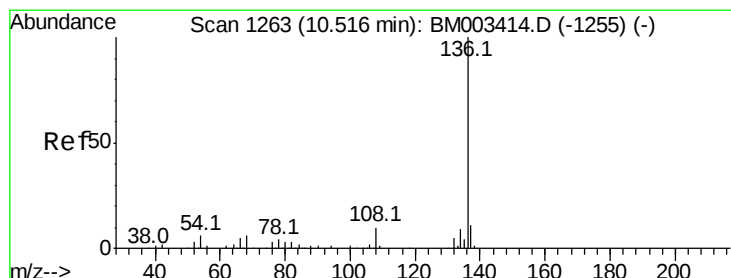
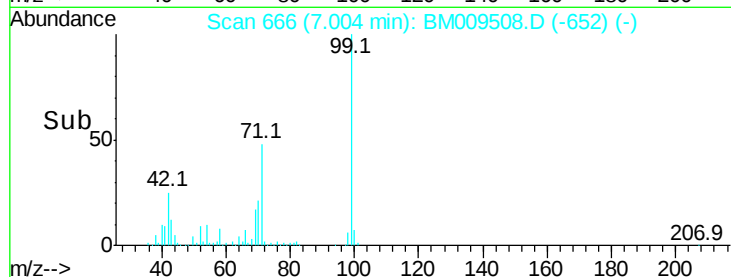
200000

100000

0

6.90 6.95 7.00 7.05 7.10

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BM009508.D

Acq: 03 Apr 2017 19:53

Tgt Ion: 136 Resp: 453603

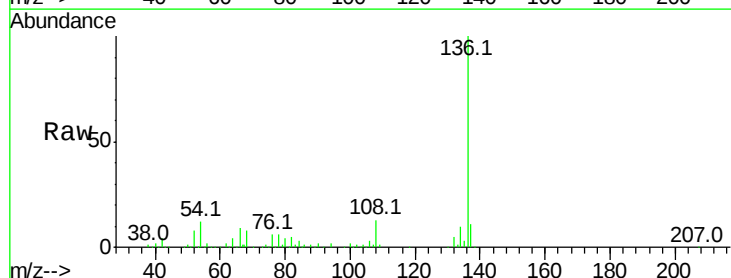
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 11.6 4.6 6.8#

68 7.7 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) (-)

10.64

400000

300000

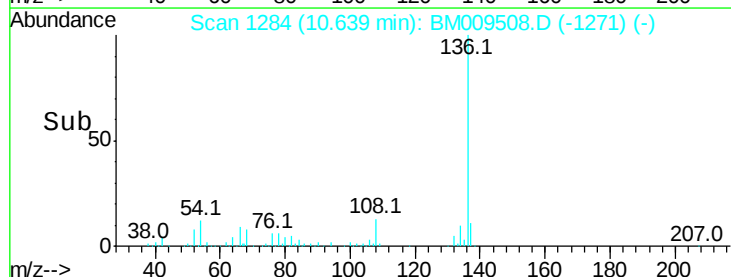
200000

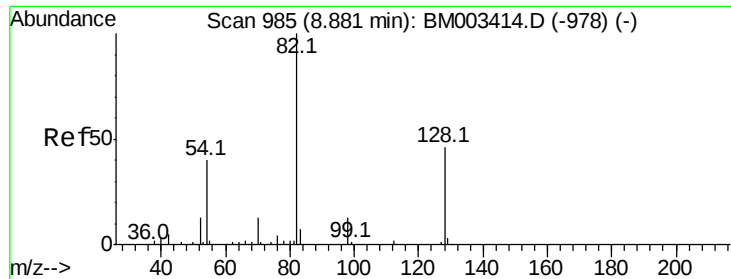
100000

0

10.55 10.60 10.65 10.70

Time-->

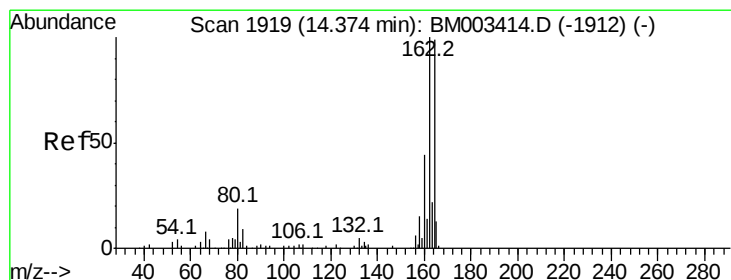
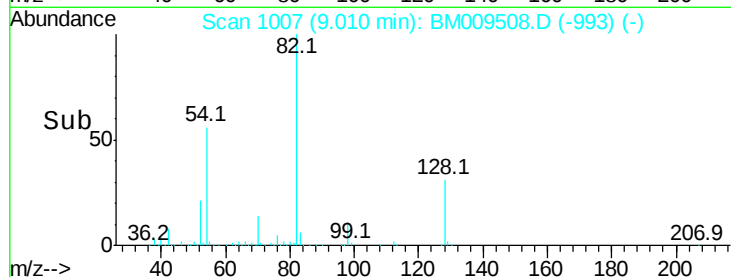
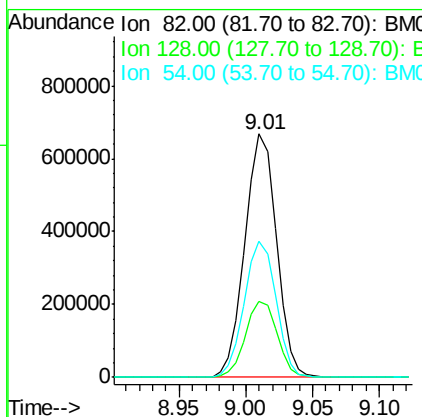
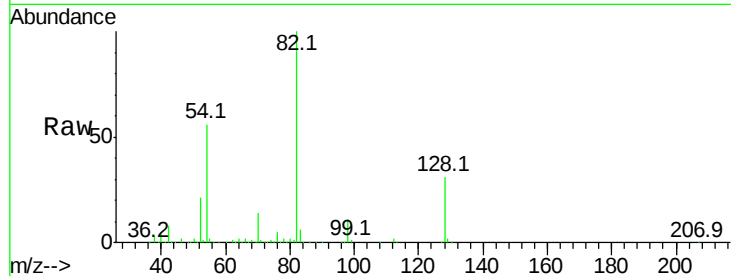




#23  
Nitrobenzene-d5  
Concen: 90.64 ng  
RT: 9.01 min Scan# 1007  
Delta R.T. -0.02 min  
Lab File: BM009508.D  
Acq: 03 Apr 2017 19:53

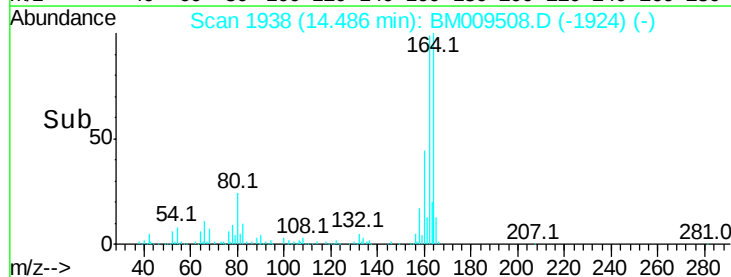
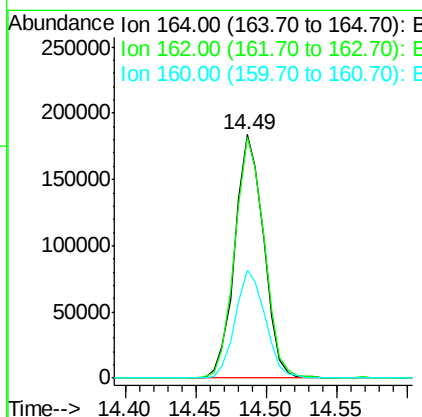
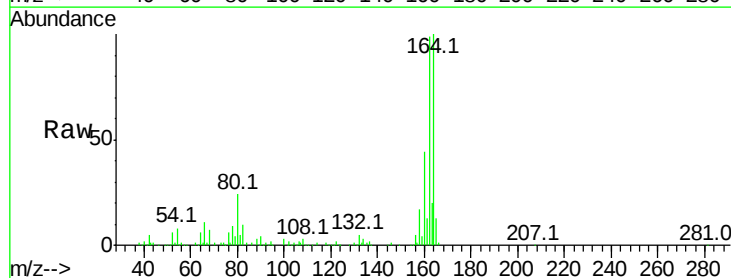
Instrument :  
BNA\_M  
ClientSampled :  
DRW2

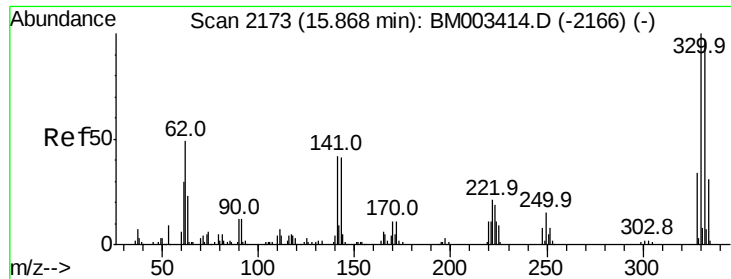
Tot Ion: 82 Resp: 1096573  
Ion Ratio Lower Upper  
82 100  
128 31.2 32.8 49.2#  
54 56.0 40.6 60.8



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.49 min Scan# 1938  
Delta R.T. -0.02 min  
Lab File: BM009508.D  
Acq: 03 Apr 2017 19:53

Tgt Ion: 164 Resp: 261754  
Ion Ratio Lower Upper  
164 100  
162 98.9 82.4 123.6  
160 44.4 35.8 53.6

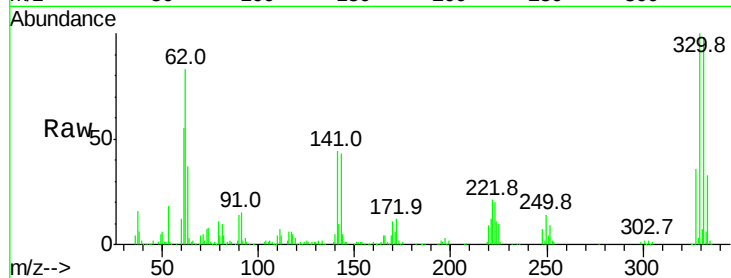




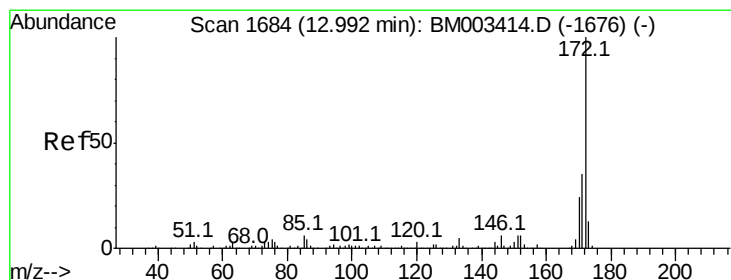
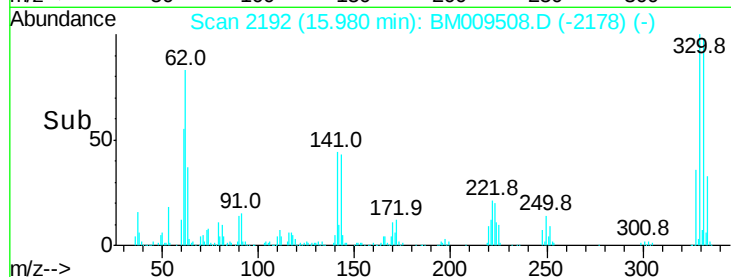
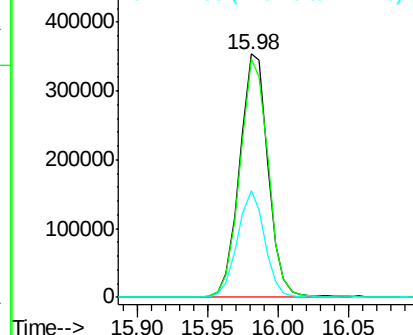
#41  
 2,4,6-Tribromophenol  
 Concen: 153.62 ng  
 RT: 15.98 min Scan# 2192  
 Delta R.T. -0.02 min  
 Lab File: BM009508.D  
 Acq: 03 Apr 2017 19:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DRW2

Tot Ion:330 Resp: 499547  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 0.0 0.0#  
 141 42.4 0.0 0.0#

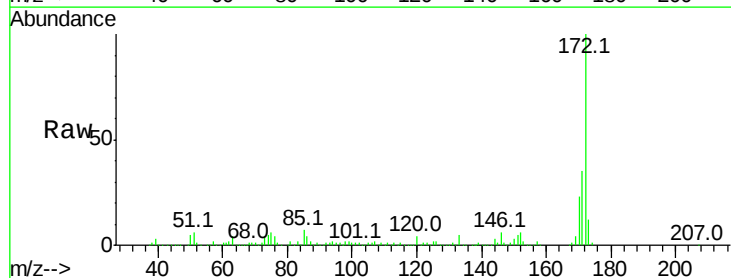


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

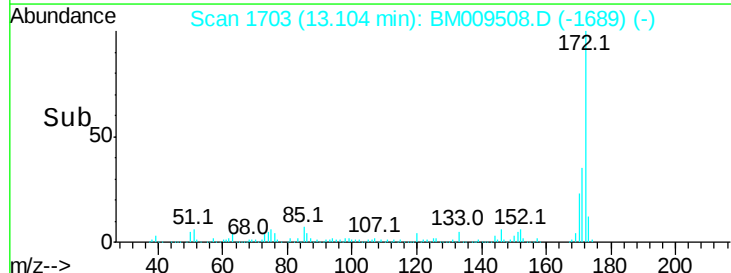
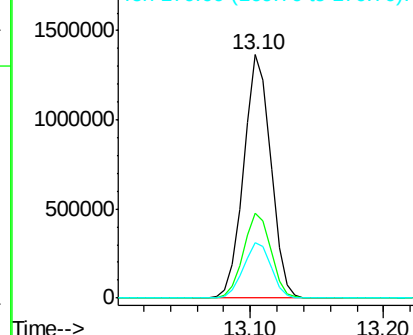


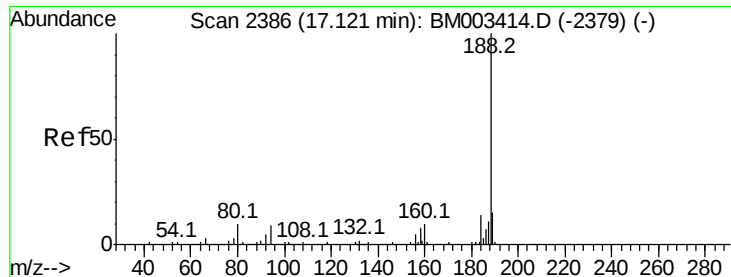
#44  
 2-Fluorobiphenyl  
 Concen: 88.31 ng  
 RT: 13.10 min Scan# 1703  
 Delta R.T. -0.02 min  
 Lab File: BM009508.D  
 Acq: 03 Apr 2017 19:53

Tgt Ion:172 Resp: 1918336  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 28.5 42.7  
 170 22.9 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

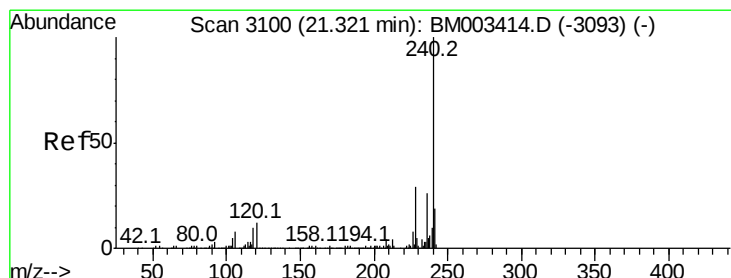
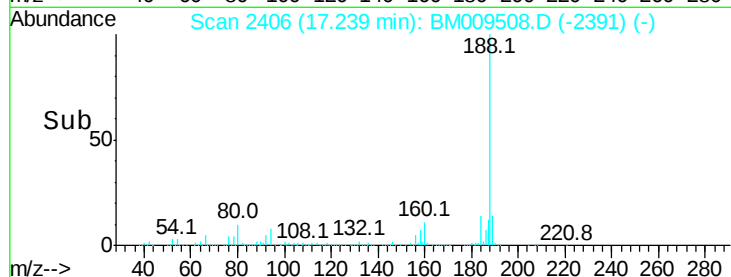
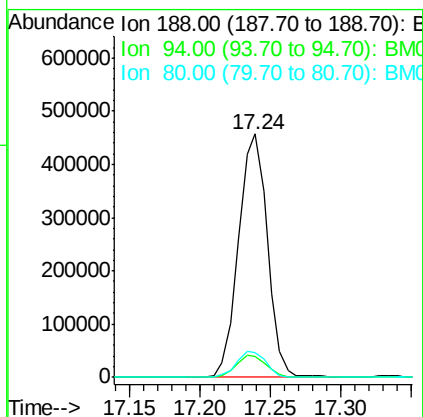
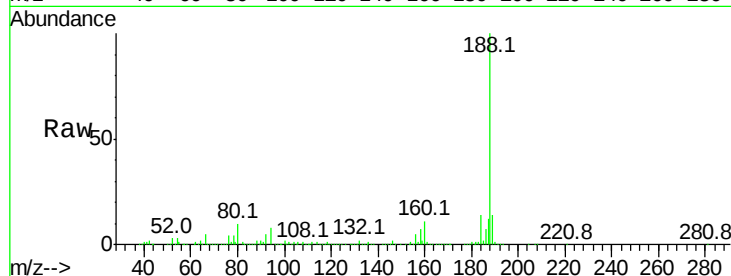




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.24 min Scan# 2406  
Delta R.T. -0.01 min  
Lab File: BM009508.D  
Acq: 03 Apr 2017 19:53

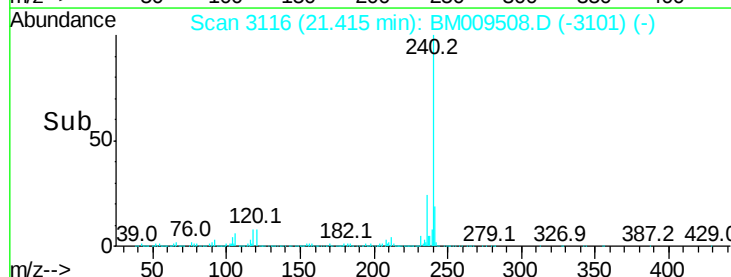
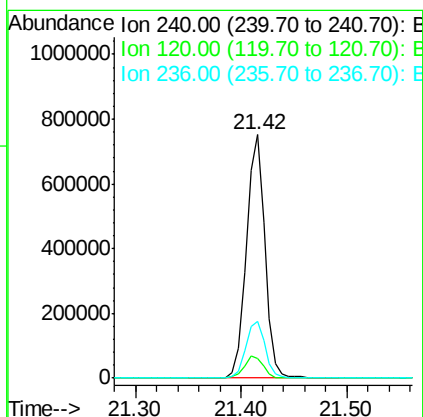
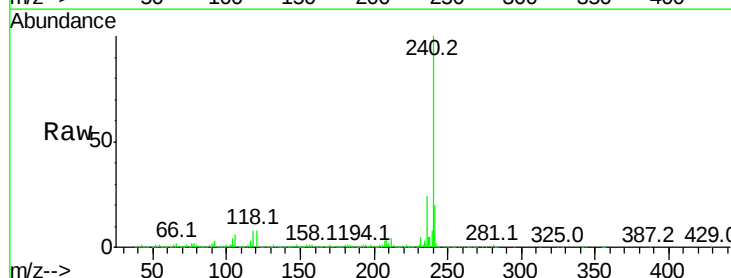
Instrument :  
BNA\_M  
ClientSampleId :  
DRW2

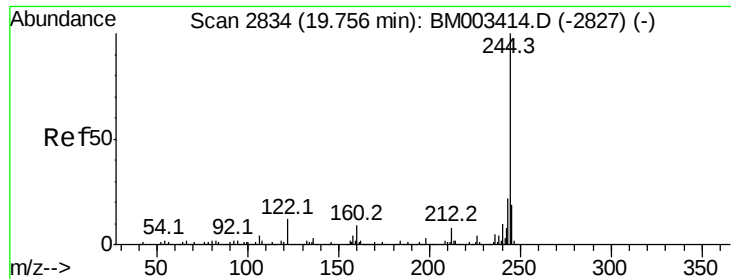
Tot Ion:188 Resp: 651777  
Ion Ratio Lower Upper  
188 100  
94 8.5 8.7 13.1#  
80 10.1 9.3 13.9



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.42 min Scan# 3116  
Delta R.T. -0.01 min  
Lab File: BM009508.D  
Acq: 03 Apr 2017 19:53

Tgt Ion:240 Resp: 910631  
Ion Ratio Lower Upper  
240 100  
120 7.8 8.2 12.2#  
236 23.5 20.0 30.0

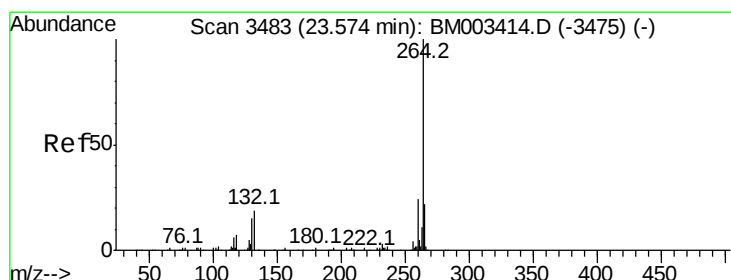
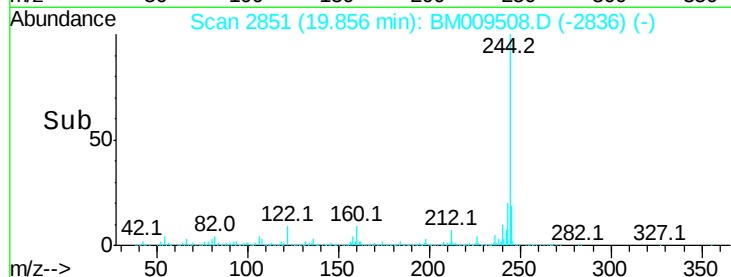
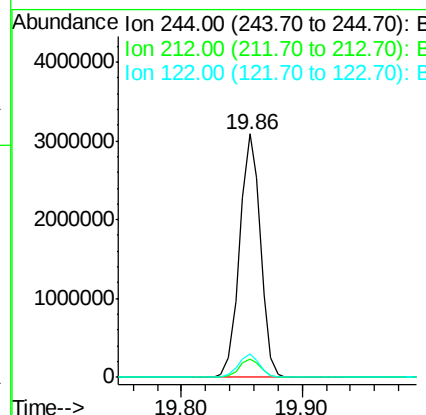
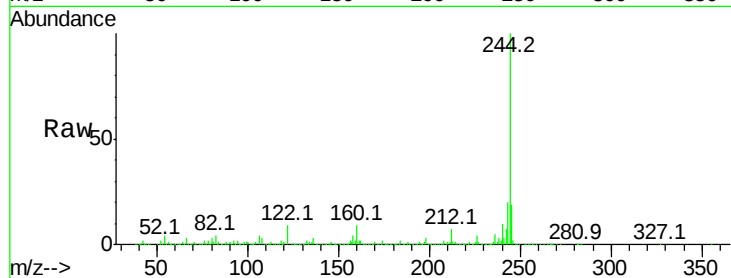




#78  
 Terphenyl-d14  
 Concen: 85.20 ng  
 RT: 19.86 min Scan# 2851  
 Delta R.T. -0.01 min  
 Lab File: BM009508.D  
 Acq: 03 Apr 2017 19:53

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DRW2

Tot Ion:244 Resp: 3712972  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 4.9 7.3#  
 122 9.5 6.2 9.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.73 min Scan# 3510  
 Delta R.T. -0.02 min  
 Lab File: BM009508.D  
 Acq: 03 Apr 2017 19:53

Tgt Ion:264 Resp: 844152  
 Ion Ratio Lower Upper  
 264 100  
 260 21.4 18.6 27.8  
 265 20.9 17.3 25.9

