

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032917\  
 Data File : BM009435.D  
 Acq On : 29 Mar 2017 16:46  
 Operator : SJ/MA  
 Sample : PB97904TB  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB97904TB

Quant Time: Mar 30 00:59:23 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 22 16:43:02 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.85  | 152  | 127338   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.65 | 136  | 470958   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.49 | 164  | 248297   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.24 | 188  | 568805   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.42 | 240  | 716802   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.74 | 264  | 693873   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 1206514  | 157.93 | ng    | 0.00     |
| 7) Phenol-d6                | 7.01  | 99   | 1608467  | 154.40 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.02  | 82   | 1130247  | 89.98  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 15.99 | 330  | 464719   | 150.66 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.11 | 172  | 1955277  | 94.89  | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.86 | 244  | 2826487  | 82.40  | ng    | 0.00     |

Target Compounds Qvalue

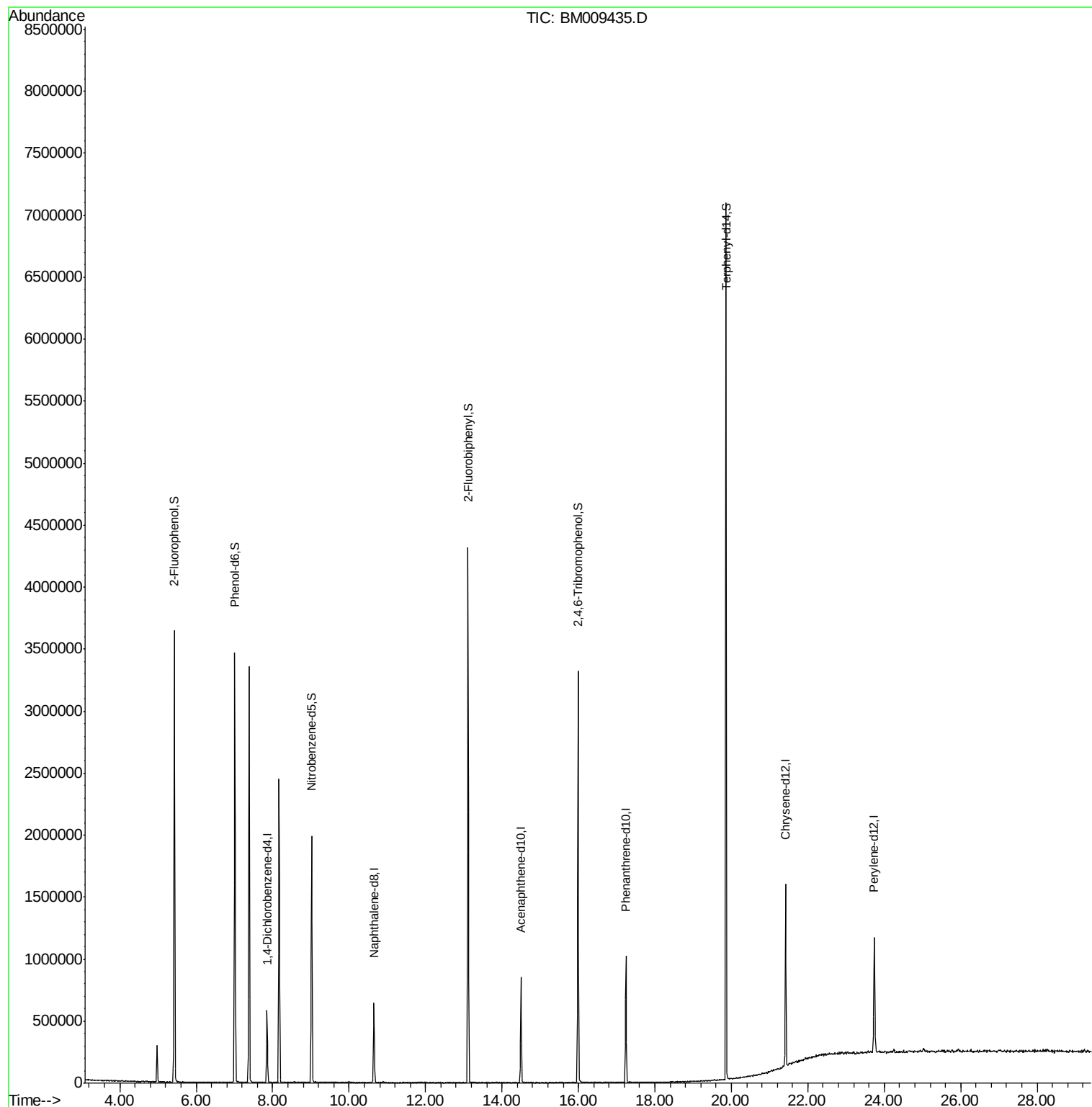
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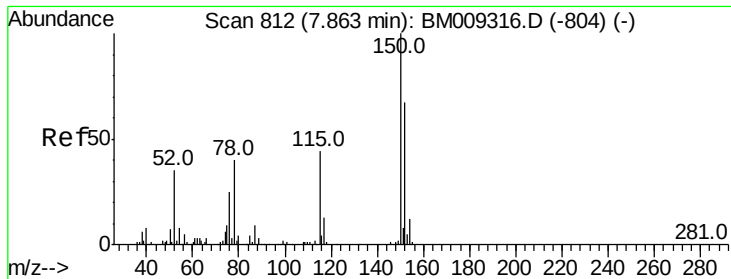
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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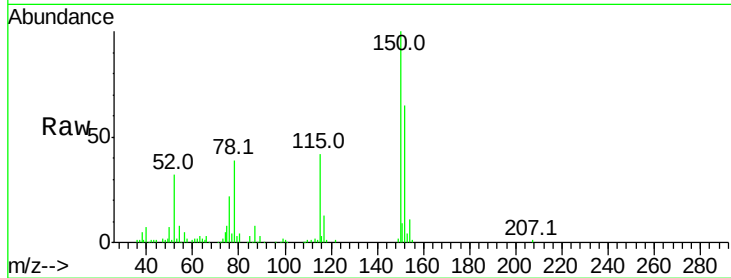


#1

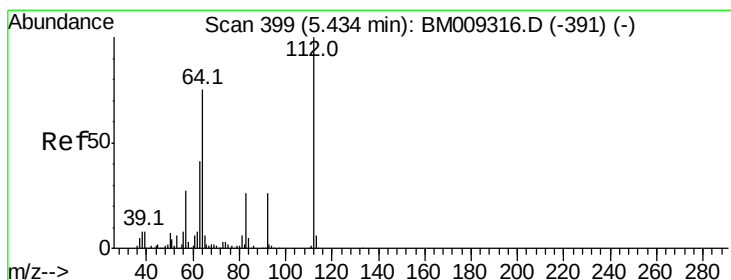
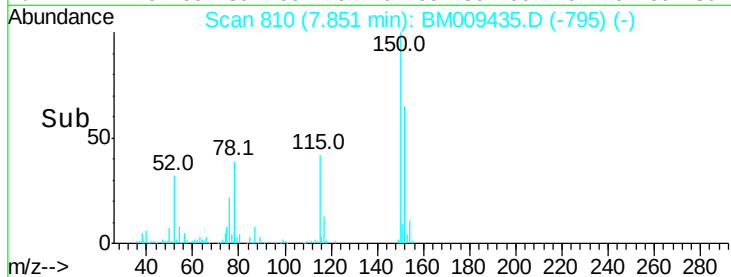
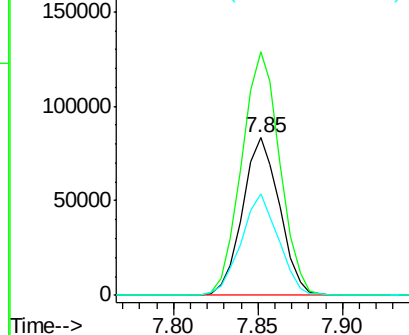
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.85 min Scan# 810  
Delta R.T. -0.01 min  
Lab File: BM009435.D  
Acq: 29 Mar 2017 16:46

Instrument :  
BNA\_M  
ClientSampleId :  
PB97904TB

Tot Ion:152 Resp: 127338  
Ion Ratio Lower Upper  
152 100  
150 154.3 119.5 179.3  
115 64.2 43.0 64.4



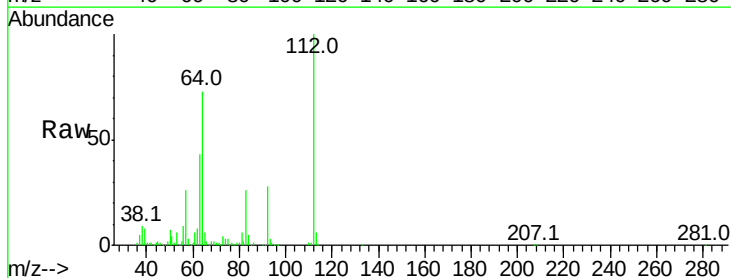
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



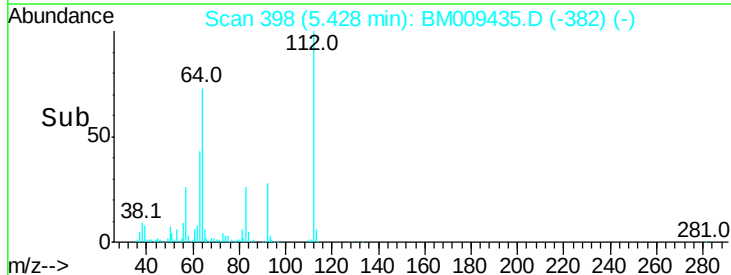
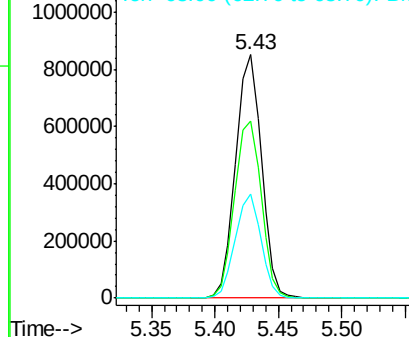
#5

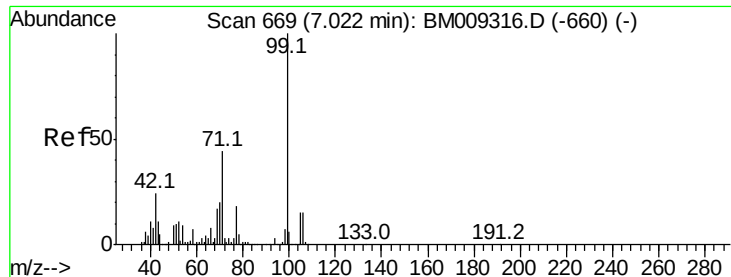
2-Fluorophenol  
Concen: 157.93 ng  
RT: 5.43 min Scan# 398  
Delta R.T. -0.01 min  
Lab File: BM009435.D  
Acq: 29 Mar 2017 16:46

Tgt Ion:112 Resp: 1206514  
Ion Ratio Lower Upper  
112 100  
64 72.8 38.6 57.8#  
63 42.6 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: 154.40 ng

RT: 7.01 min Scan# 667

Delta R.T. -0.01 min

Lab File: BM009435.D

Acq: 29 Mar 2017 16:46

Instrument :

BNA\_M

ClientSampled :

PB97904TB

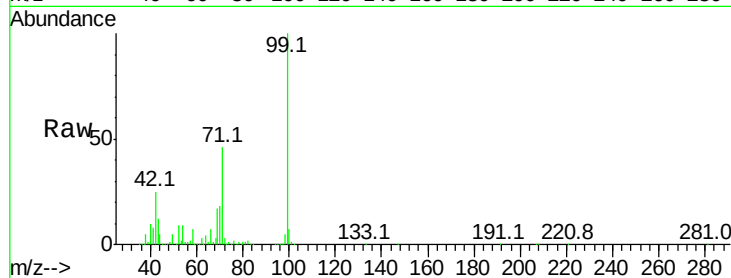
Tot Ion: 99 Resp: 1608467

Ion Ratio Lower Upper

99 100

42 25.3 11.0 16.4#

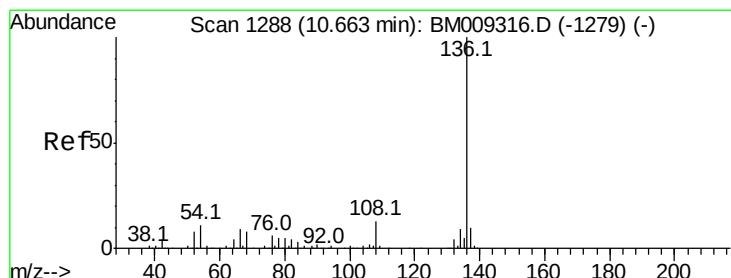
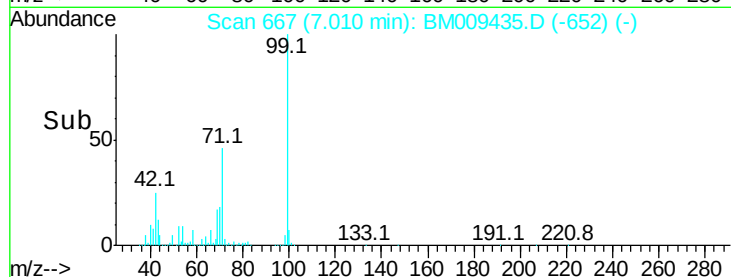
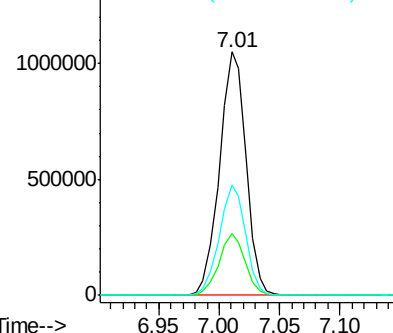
71 45.6 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM009435.D (-660) (-)

Ion 42.00 (41.70 to 42.70): BM009435.D (-660) (-)

Ion 71.00 (70.70 to 71.70): BM009435.D (-660) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.65 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BM009435.D

Acq: 29 Mar 2017 16:46

Tgt Ion: 136 Resp: 470958

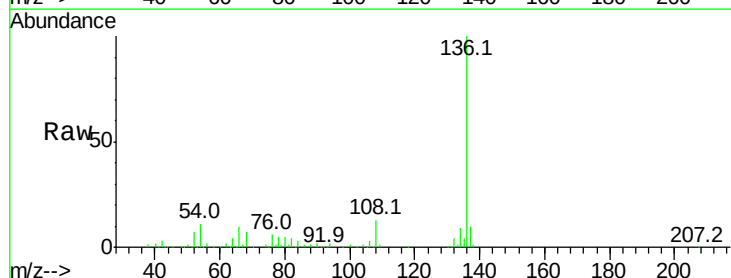
Ion Ratio Lower Upper

136 100

137 10.3 8.7 13.1

54 11.1 4.6 6.8#

68 7.2 3.7 5.5#

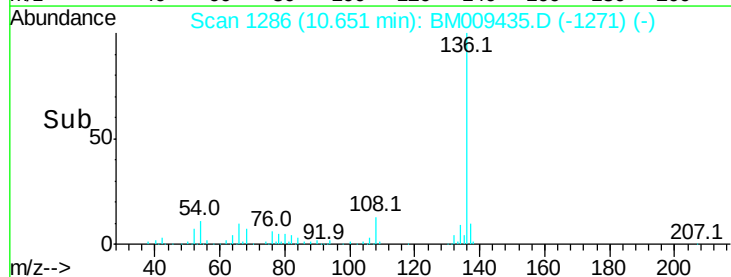
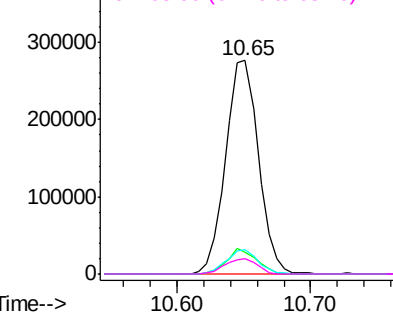


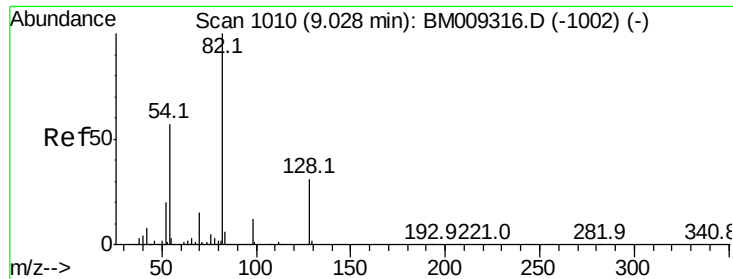
Abundance Ion 136.00 (135.70 to 136.70): BM009435.D (-1271) (-)

Ion 137.00 (136.70 to 137.70): BM009435.D (-1271) (-)

Ion 54.00 (53.70 to 54.70): BM009435.D (-1271) (-)

Ion 68.00 (67.70 to 68.70): BM009435.D (-1271) (-)





#23

Nitrobenzene-d5

Concen: 89.98 ng

RT: 9.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BM009435.D

Acq: 29 Mar 2017 16:46

Instrument :

BNA\_M

ClientSampleId :

PB97904TB

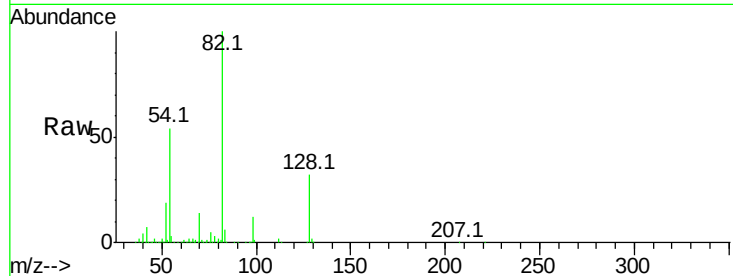
Tot Ion: 82 Resp: 1130247

Ion Ratio Lower Upper

82 100

128 32.2 32.8 49.2#

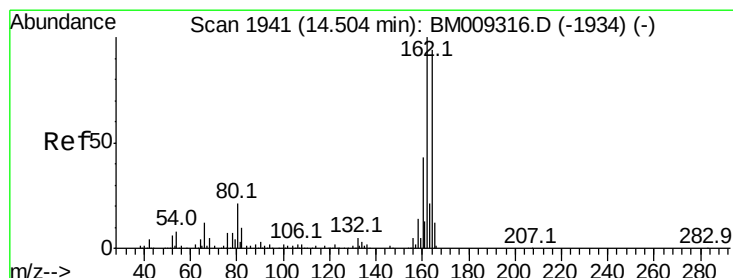
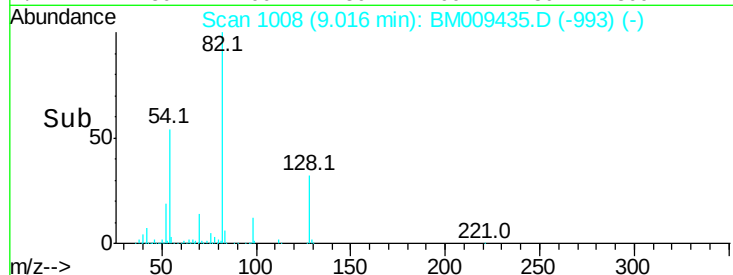
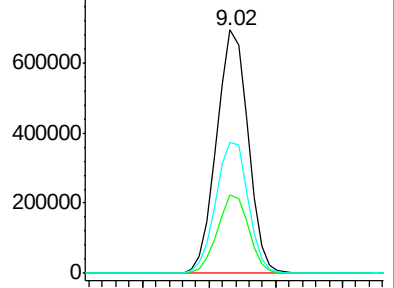
54 53.9 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BM009316.D (-1002) (-)

Ion 128.00 (127.70 to 128.70): BM009316.D (-1002) (-)

Ion 54.00 (53.70 to 54.70): BM009316.D (-1002) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.49 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BM009435.D

Acq: 29 Mar 2017 16:46

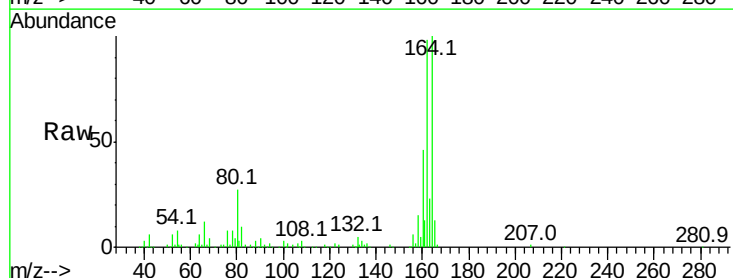
Tgt Ion: 164 Resp: 248297

Ion Ratio Lower Upper

164 100

162 98.2 82.4 123.6

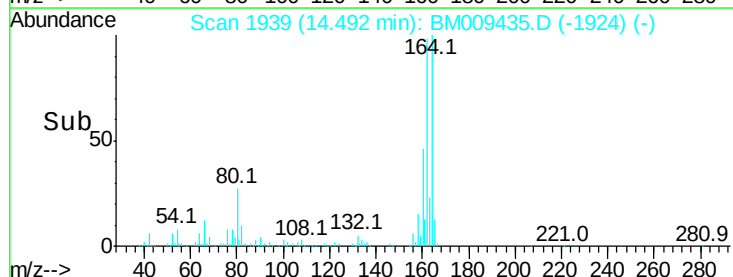
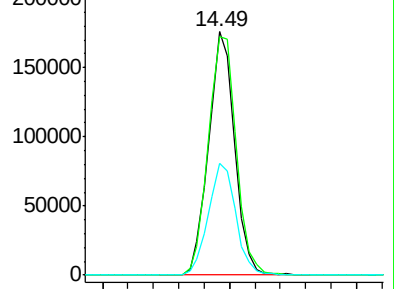
160 45.7 35.8 53.6

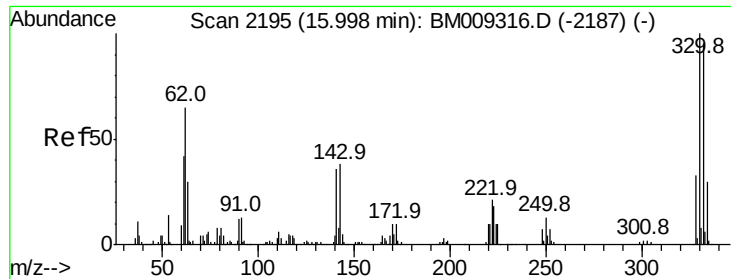


Abundance Ion 164.00 (163.70 to 164.70): BM009316.D (-1934) (-)

Ion 162.00 (161.70 to 162.70): BM009316.D (-1934) (-)

Ion 160.00 (159.70 to 160.70): BM009316.D (-1934) (-)

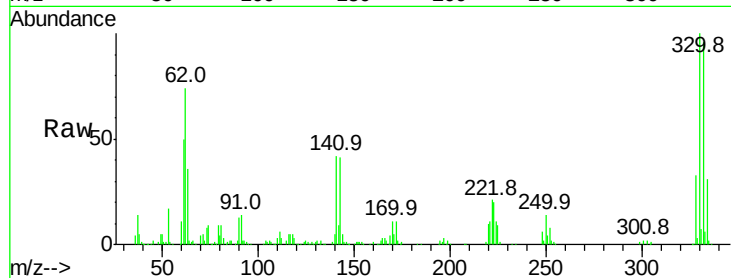




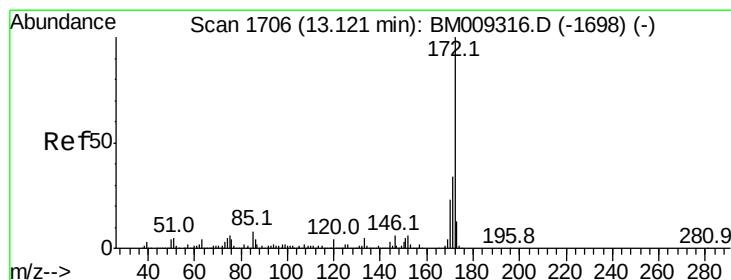
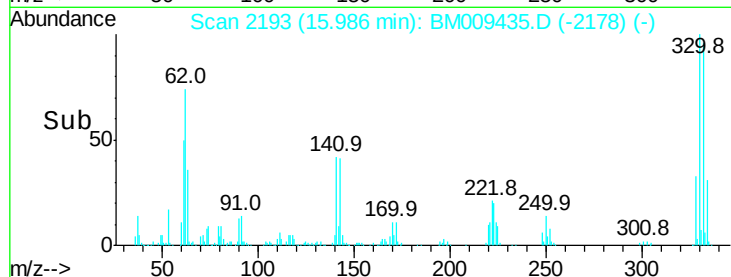
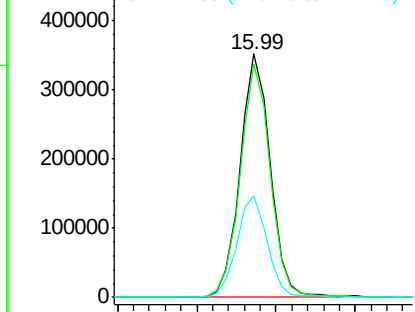
#41  
 2,4,6-Tribromophenol  
 Concen: 150.66 ng  
 RT: 15.99 min Scan# 2193  
 Delta R.T. -0.01 min  
 Lab File: BM009435.D  
 Acq: 29 Mar 2017 16:46

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB97904TB

Tot Ion:330 Resp: 464719  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 0.0 0.0#  
 141 42.0 0.0 0.0#

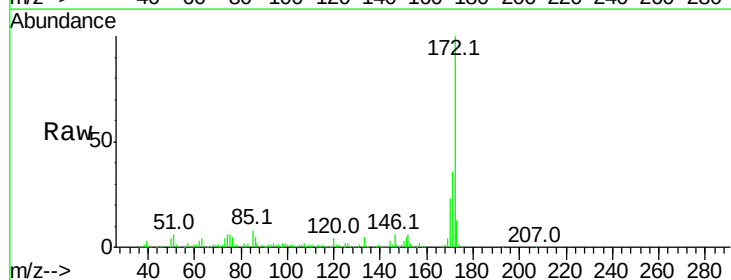


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

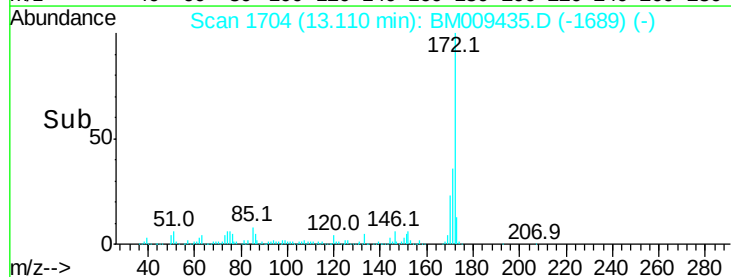
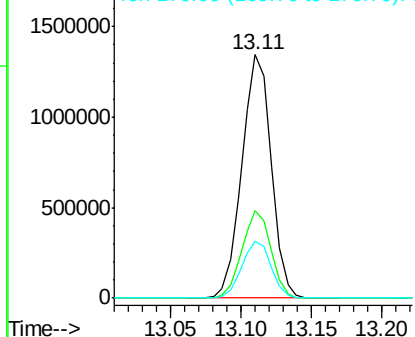


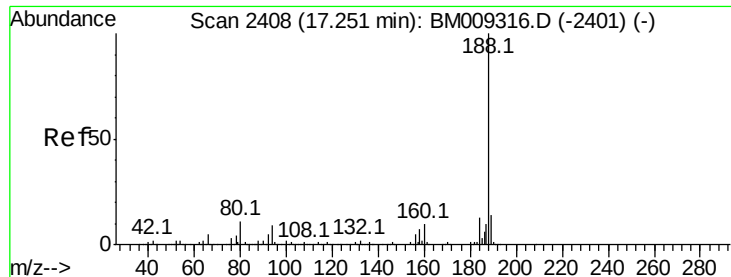
#44  
 2-Fluorobiphenyl  
 Concen: 94.89 ng  
 RT: 13.11 min Scan# 1704  
 Delta R.T. -0.01 min  
 Lab File: BM009435.D  
 Acq: 29 Mar 2017 16:46

Tgt Ion:172 Resp: 1955277  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.5 42.7  
 170 23.4 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

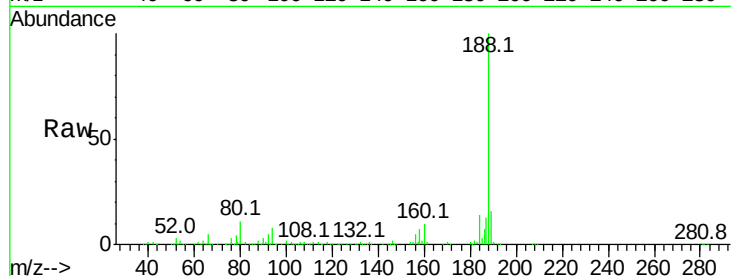




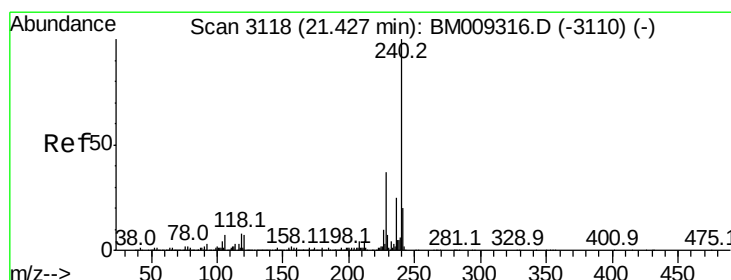
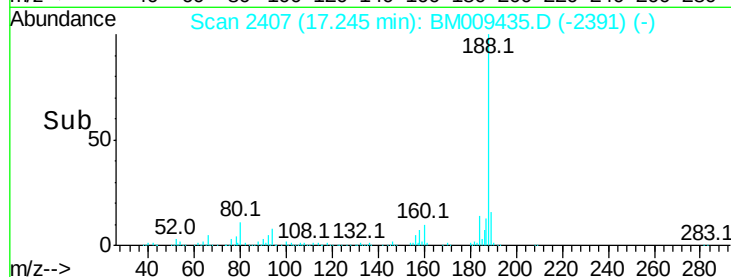
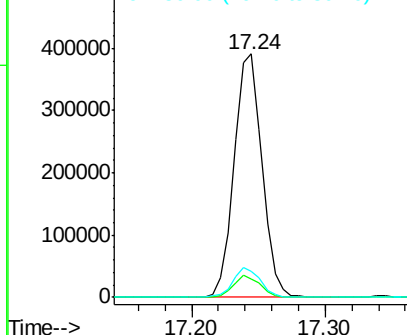
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.24 min Scan# 2407  
Delta R.T. -0.01 min  
Lab File: BM009435.D  
Acq: 29 Mar 2017 16:46

Instrument :  
BNA\_M  
ClientSampleId :  
PB97904TB

Tot Ion:188 Resp: 568805  
Ion Ratio Lower Upper  
188 100  
94 7.7 8.7 13.1#  
80 10.6 9.3 13.9

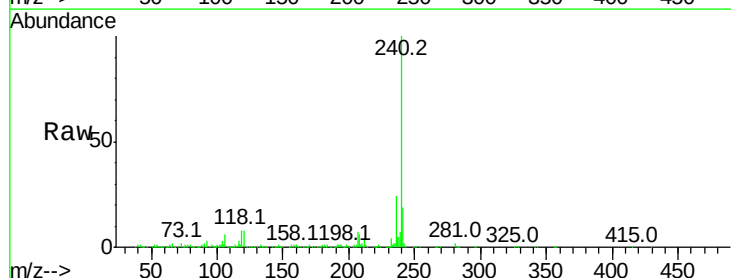


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM0  
Ion 80.00 (79.70 to 80.70): BM0

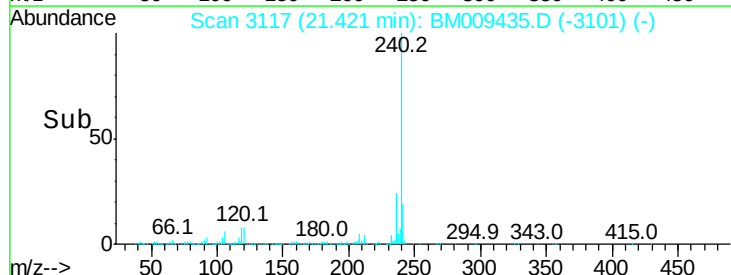
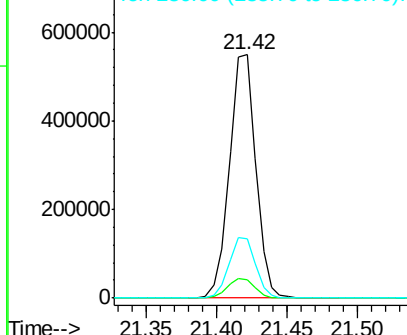


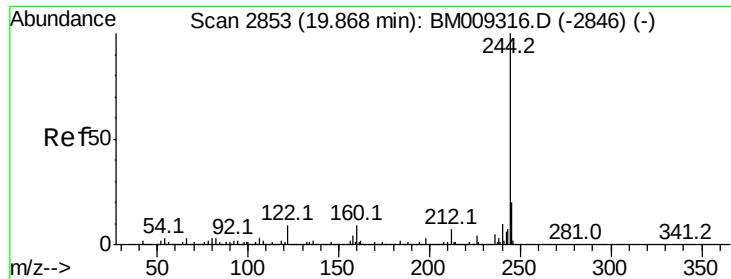
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.42 min Scan# 3117  
Delta R.T. -0.01 min  
Lab File: BM009435.D  
Acq: 29 Mar 2017 16:46

Tgt Ion:240 Resp: 716802  
Ion Ratio Lower Upper  
240 100  
120 7.7 8.2 12.2#  
236 24.2 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: 82.40 ng

RT: 19.86 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BM009435.D

Acq: 29 Mar 2017 16:46

Instrument :

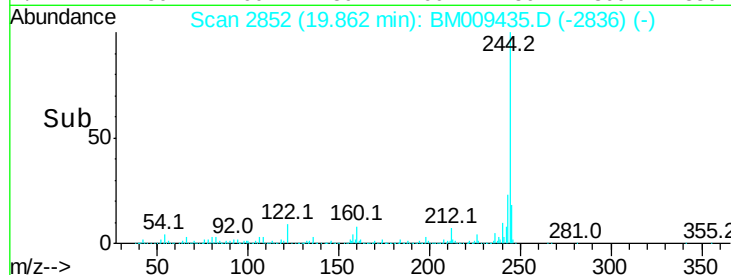
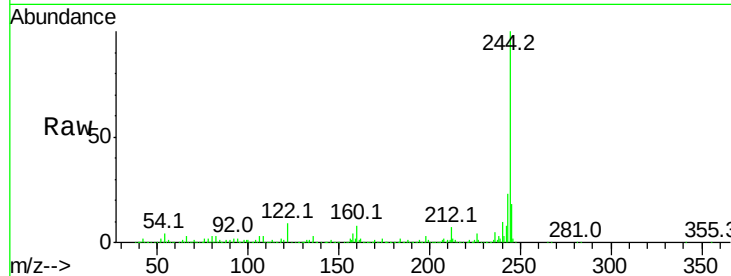
BNA\_M

ClientSampleId :

PB97904TB

Tot Ion:244 Resp: 2826487

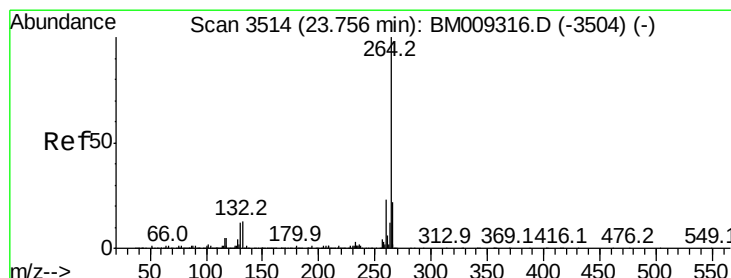
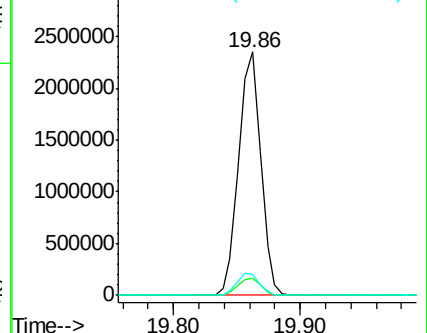
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.2   | 4.9   | 7.3   |
| 122 | 8.8   | 6.2   | 9.4   |



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: 23.74 min Scan# 3511

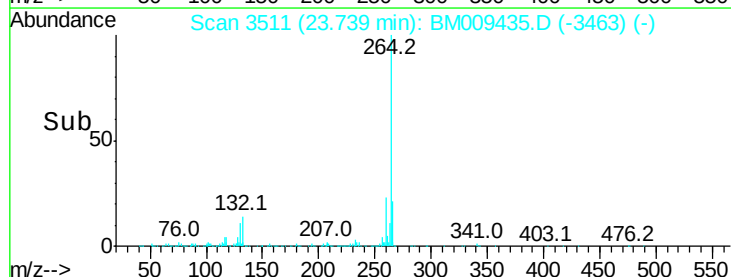
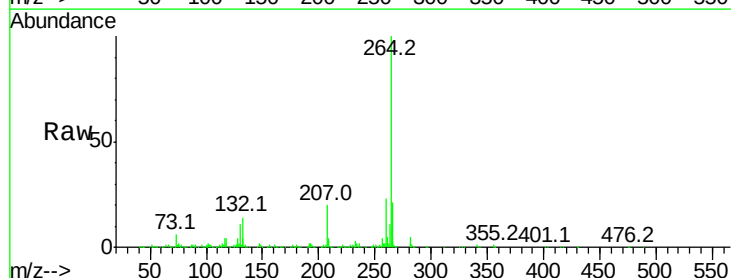
Delta R.T. -0.02 min

Lab File: BM009435.D

Acq: 29 Mar 2017 16:46

Tgt Ion:264 Resp: 693873

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.2  | 18.6  | 27.8  |
| 265 | 21.1  | 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

