

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071315\  
 Data File : BF080432.D  
 Acq On : 13 Jul 2015 18:06  
 Operator : TP/UM  
 Sample : G2945-03  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW-43

Quant Time: Jul 14 05:05:01 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 14 00:52:37 2015  
 Response via : Initial Calibration

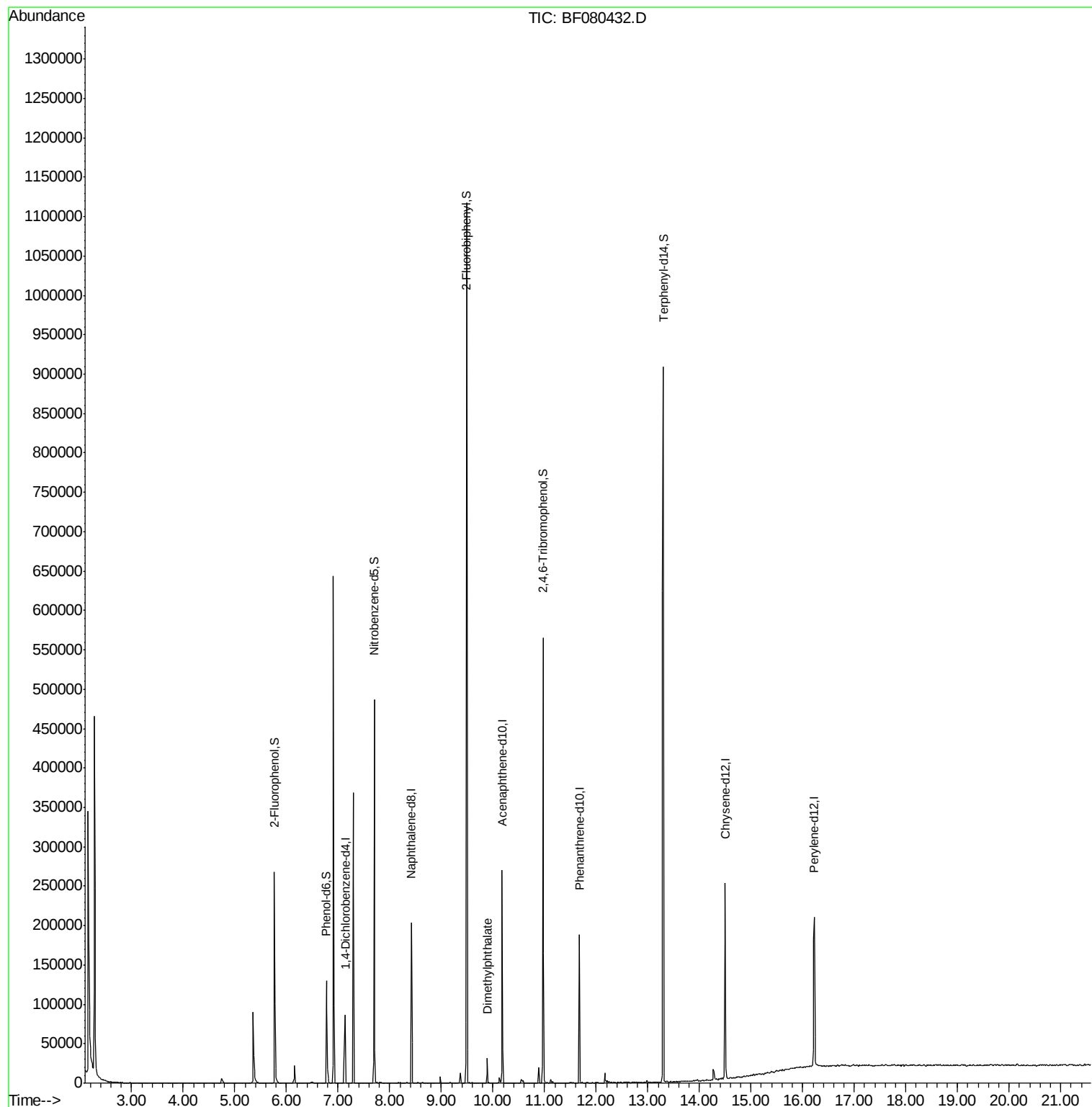
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.14  | 152  | 19825    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.42  | 136  | 87245    | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 10.18 | 164  | 47884    | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.68 | 188  | 101562   | 20.00  | ng    | -0.01        |
| 75) Chrysene-d12            | 14.50 | 240  | 115858   | 20.00  | ng    | -0.22        |
| 86) Perylene-d12            | 16.23 | 264  | 109048   | 20.00  | ng    | -0.37        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.77  | 112  | 78629    | 67.97  | ng    | 0.00         |
| 7) Phenol-d6                | 6.77  | 99   | 61029    | 39.59  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.70  | 82   | 132245   | 86.45  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 10.97 | 330  | 54212    | 116.00 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 9.49  | 172  | 291444   | 81.98  | ng    | 0.00         |
| 78) Terphenyl-d14           | 13.30 | 244  | 379481   | 71.13  | ng    | -0.10        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.89  | 163  | 16210    | 4.48   | ng    | Qvalue<br>97 |

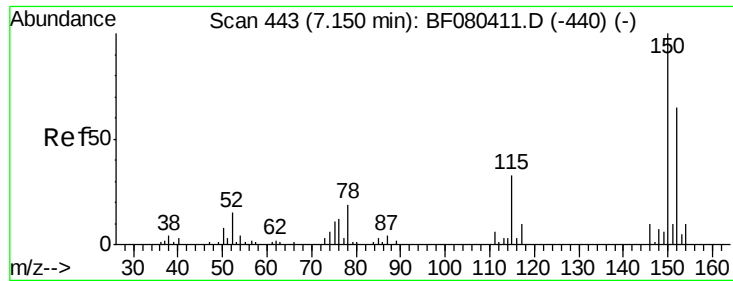
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 14 05:05:01 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 14 00:52:37 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF080432.D

Acq: 13 Jul 2015 18:06

Instrument :

BNA\_F

ClientSampleId :

TE-PMW-43

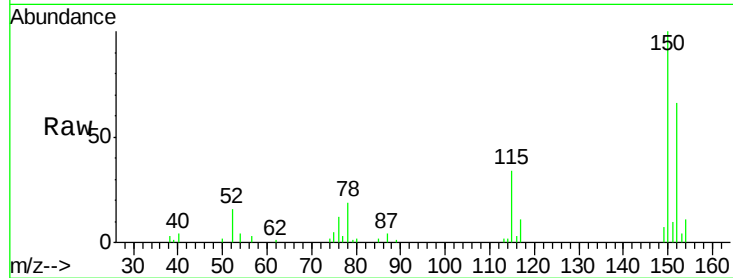
Tgt Ion:152 Resp: 19825

Ion Ratio Lower Upper

152 100

150 152.1 122.3 183.5

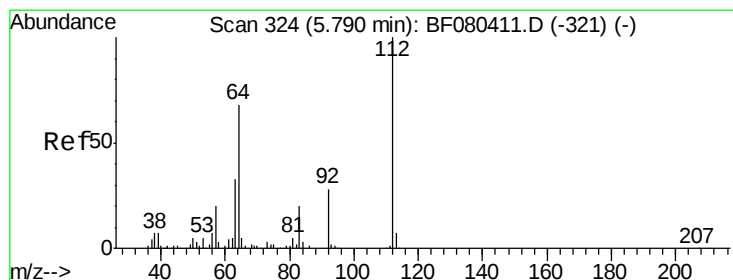
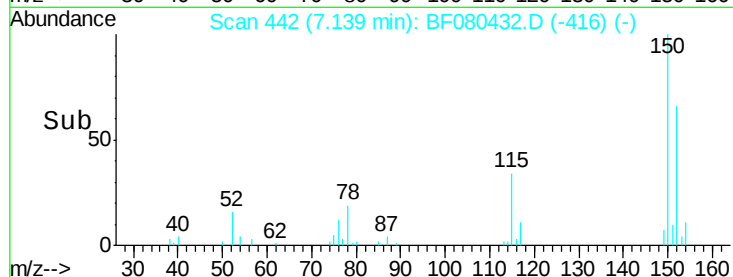
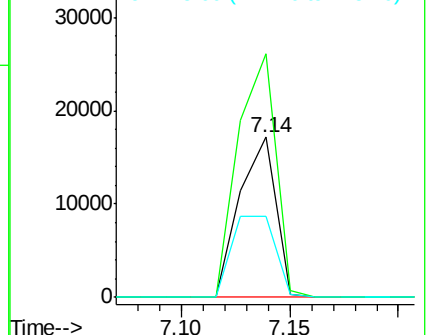
115 51.0 41.0 61.4



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: 67.97 ng

RT: 5.77 min Scan# 322

Delta R.T. -0.00 min

Lab File: BF080432.D

Acq: 13 Jul 2015 18:06

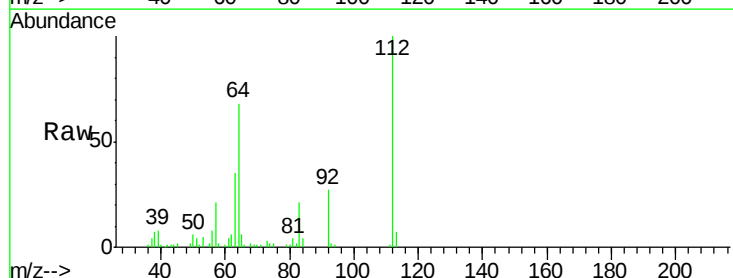
Tgt Ion:112 Resp: 78629

Ion Ratio Lower Upper

112 100

64 68.2 54.3 81.5

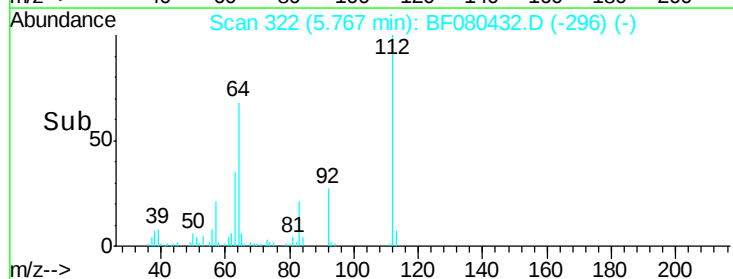
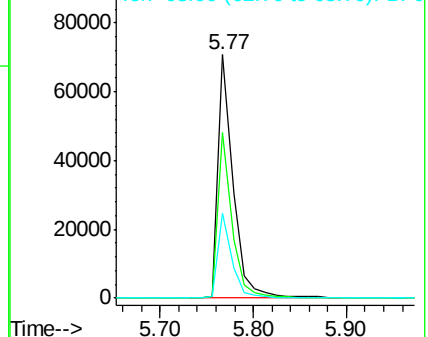
63 34.9 26.7 40.1

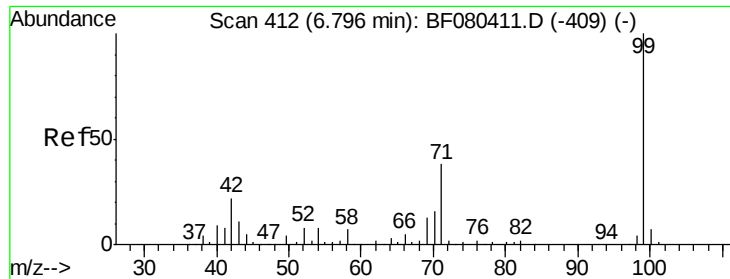


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.59 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF080432.D

Acq: 13 Jul 2015 18:06

Instrument :

BNA\_F

ClientSampleId :

TE-PMW-43

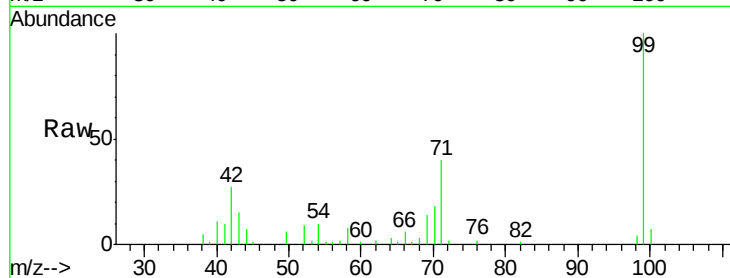
Tgt Ion: 99 Resp: 61029

Ion Ratio Lower Upper

99 100

42 26.7 17.9 26.9

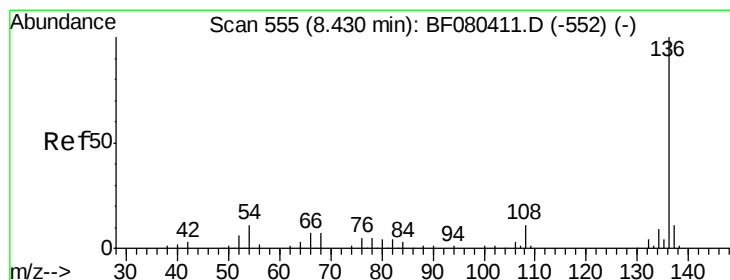
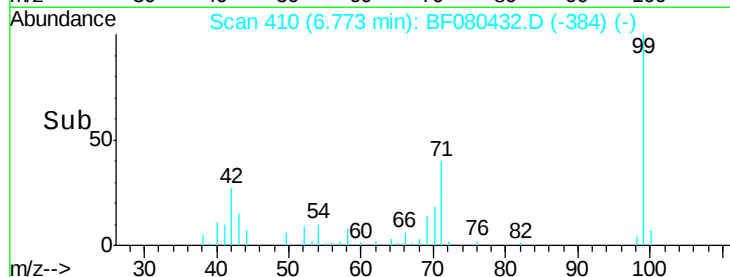
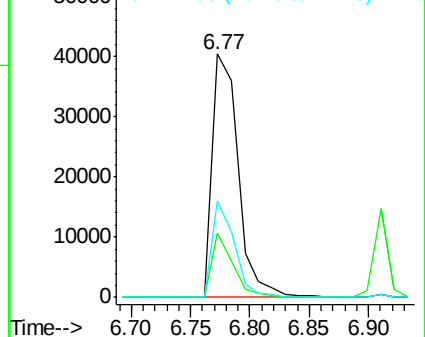
71 39.6 30.1 45.1



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.42 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF080432.D

Acq: 13 Jul 2015 18:06

Tgt Ion: 136 Resp: 87245

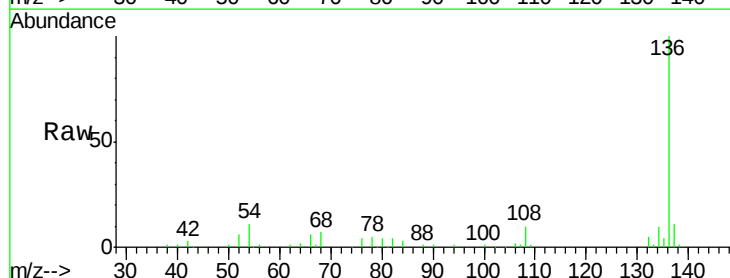
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 10.9 9.1 13.7

68 7.2 5.9 8.9

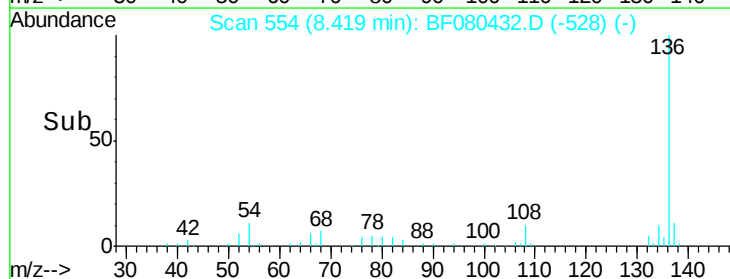
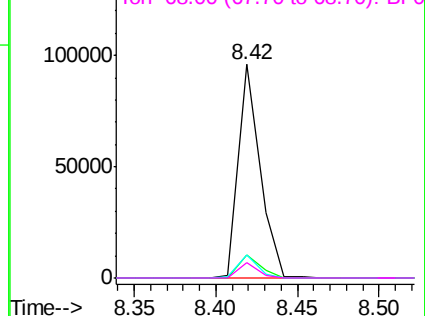


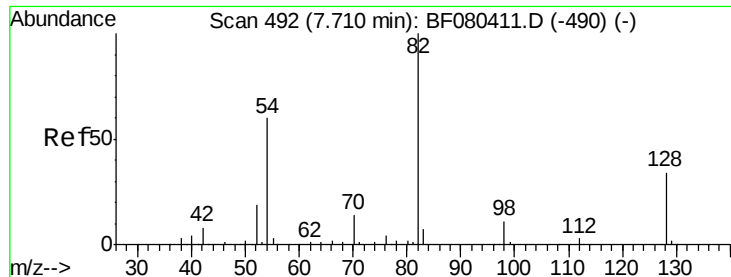
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 86.45 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.00 min

Lab File: BF080432.D

Acq: 13 Jul 2015 18:06

Instrument :

BNA\_F

ClientSampleId :

TE-PMW-43

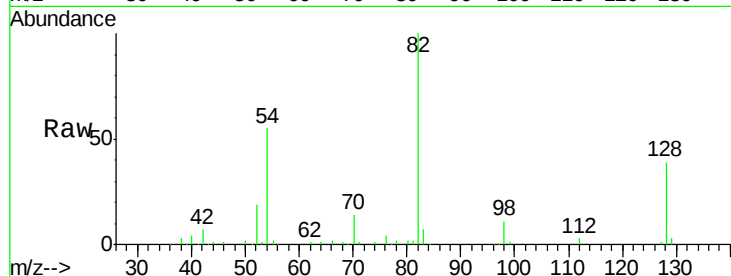
Tgt Ion: 82 Resp: 132245

Ion Ratio Lower Upper

82 100

128 38.6 26.9 40.3

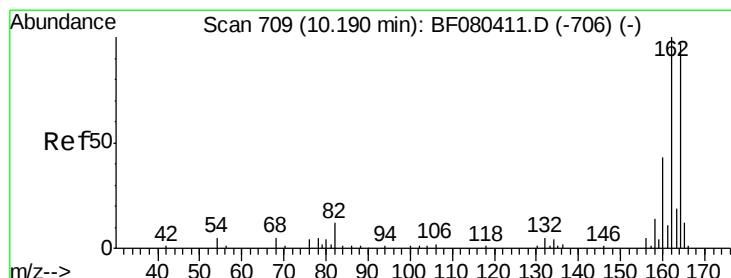
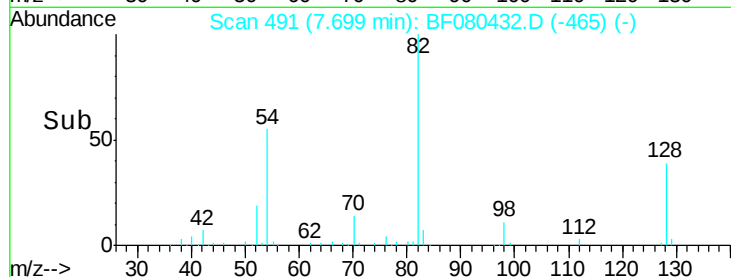
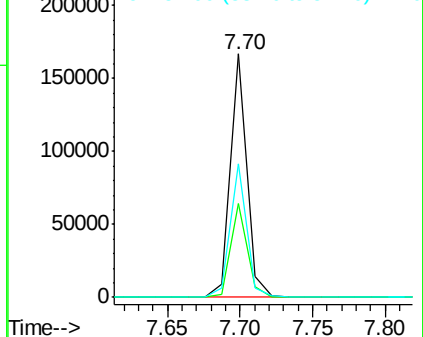
54 55.0 47.7 71.5



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.18 min Scan# 708

Delta R.T. -0.00 min

Lab File: BF080432.D

Acq: 13 Jul 2015 18:06

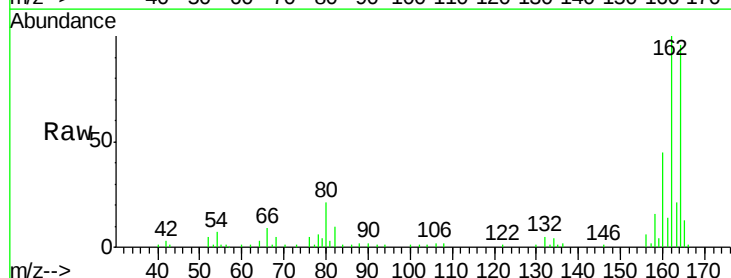
Tgt Ion: 164 Resp: 47884

Ion Ratio Lower Upper

164 100

162 104.3 82.7 124.1

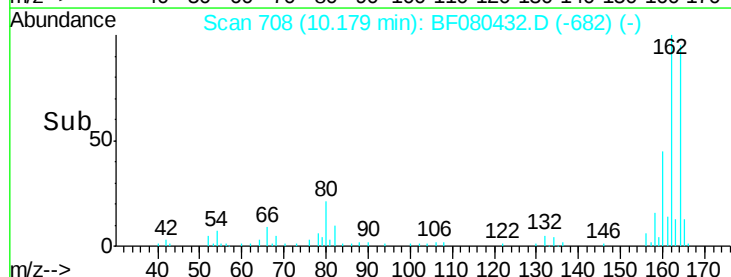
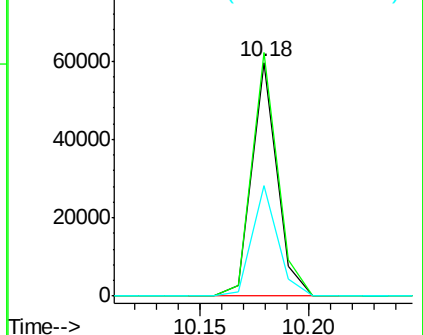
160 47.2 35.5 53.3

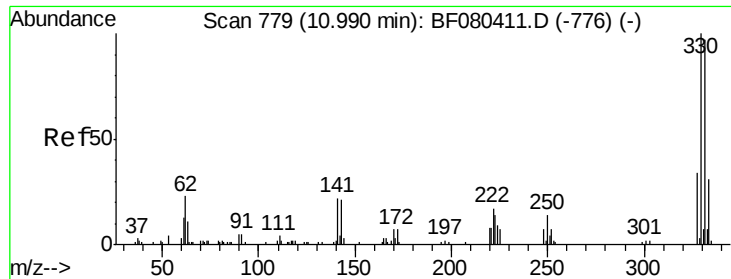


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

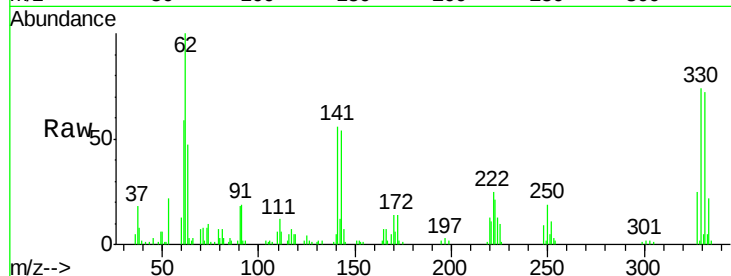




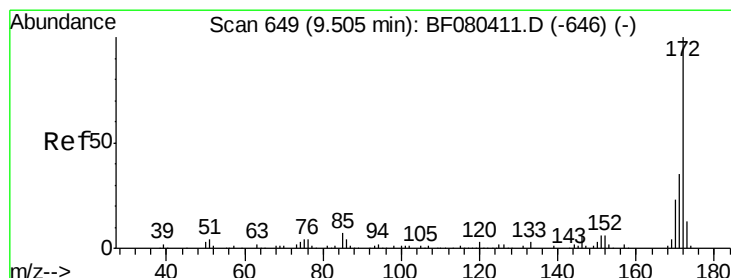
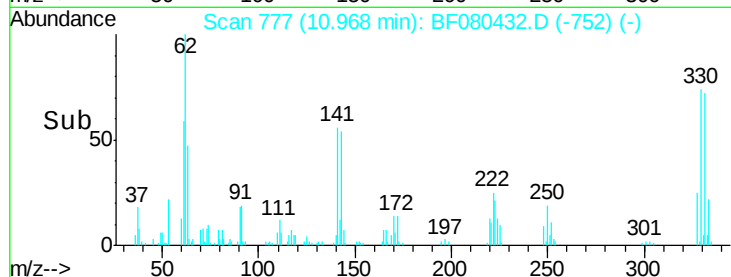
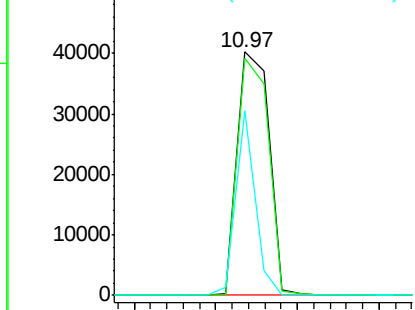
#41  
 2,4,6-Tribromophenol  
 Concen: 116.00 ng  
 RT: 10.97 min Scan# 777  
 Delta R.T. -0.01 min  
 Lab File: BF080432.D  
 Acq: 13 Jul 2015 18:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW-43

Tgt Ion:330 Resp: 54212  
 Ion Ratio Lower Upper  
 330 100  
 332 95.3 78.0 117.0  
 141 45.4 28.6 43.0#

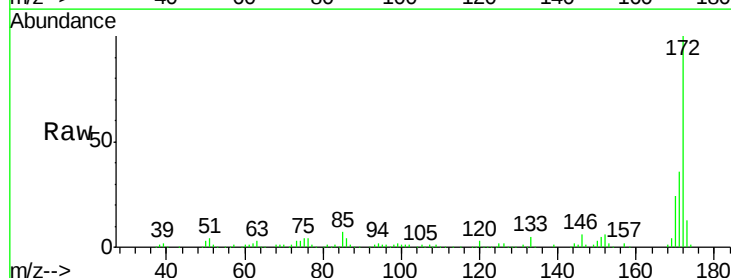


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

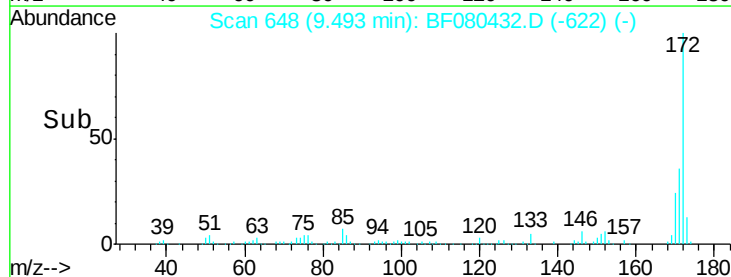
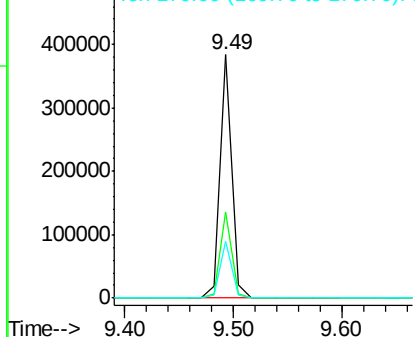


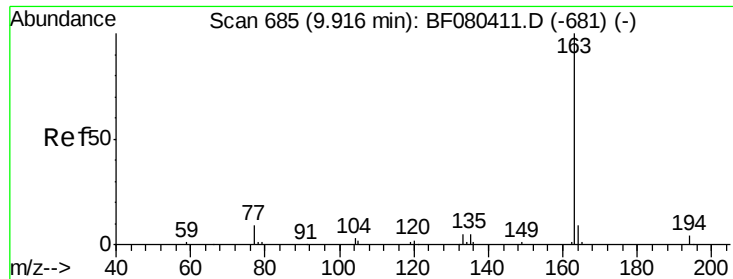
#44  
 2-Fluorobiphenyl  
 Concen: 81.98 ng  
 RT: 9.49 min Scan# 648  
 Delta R.T. -0.00 min  
 Lab File: BF080432.D  
 Acq: 13 Jul 2015 18:06

Tgt Ion:172 Resp: 291444  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 28.4 42.6  
 170 23.5 18.6 28.0



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

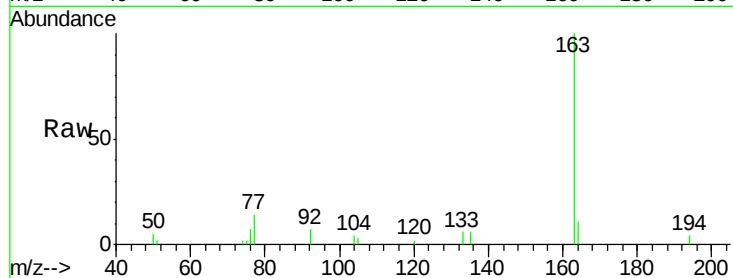




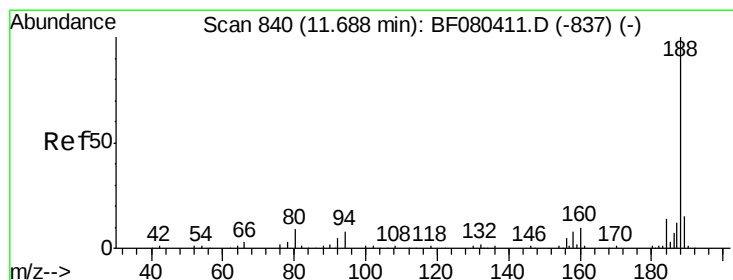
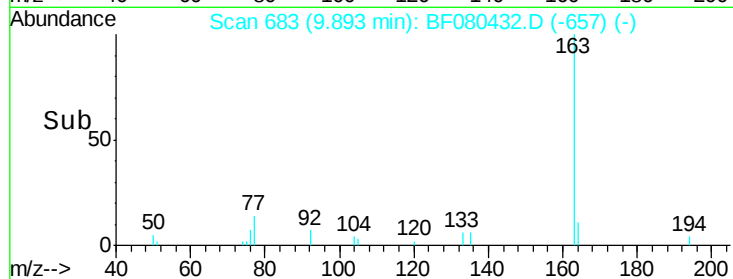
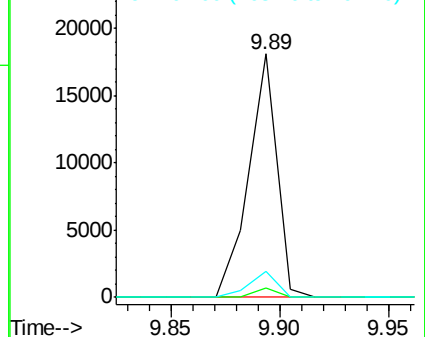
#49  
Dimethylphthalate  
Concen: 4.48 ng  
RT: 9.89 min Scan# 683  
Delta R.T. -0.00 min  
Lab File: BF080432.D  
Acq: 13 Jul 2015 18:06

Instrument :  
BNA\_F  
ClientSampleId :  
TE-PMW-43

Tgt Ion:163 Resp: 16210  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.4 5.2  
164 10.7 7.4 11.0

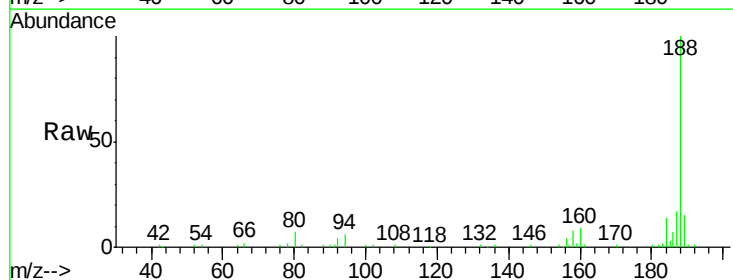


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

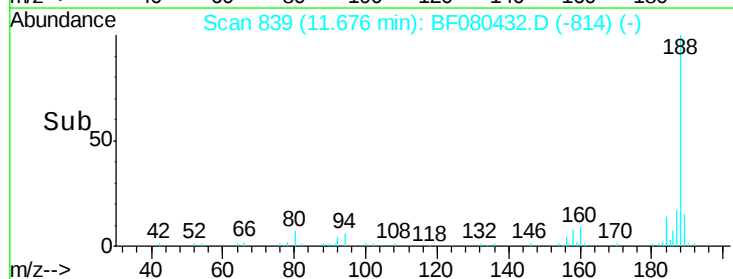
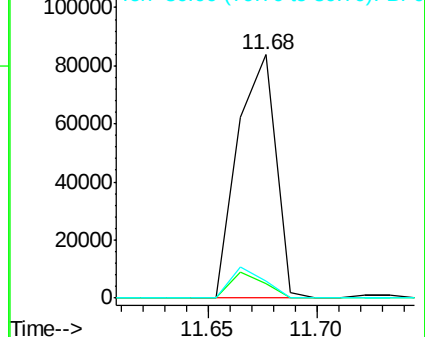


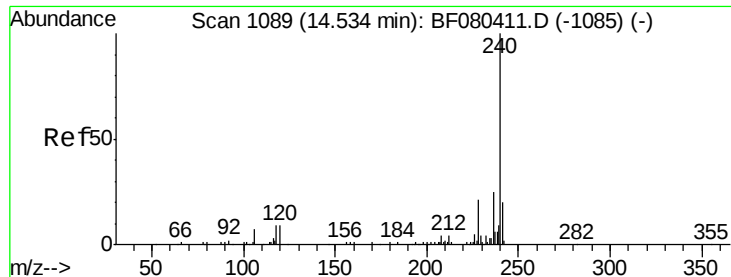
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.68 min Scan# 839  
Delta R.T. -0.01 min  
Lab File: BF080432.D  
Acq: 13 Jul 2015 18:06

Tgt Ion:188 Resp: 101562  
Ion Ratio Lower Upper  
188 100  
94 6.1 6.7 10.1#  
80 6.8 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.50 min Scan# 1086

Delta R.T. -0.22 min

Lab File: BF080432.D

Acq: 13 Jul 2015 18:06

Instrument :

BNA\_F

ClientSampleId :

TE-PMW-43

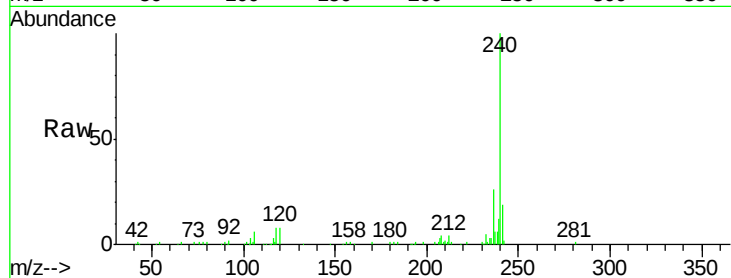
Tgt Ion:240 Resp: 115858

Ion Ratio Lower Upper

240 100

120 7.9 7.4 11.2

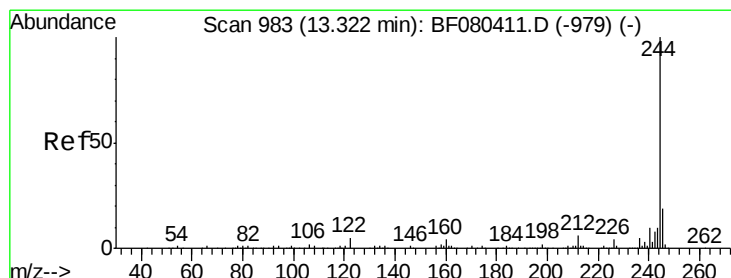
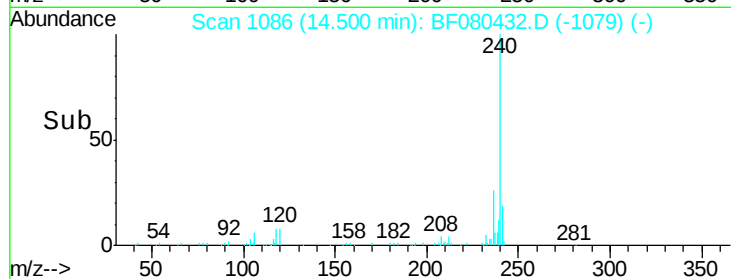
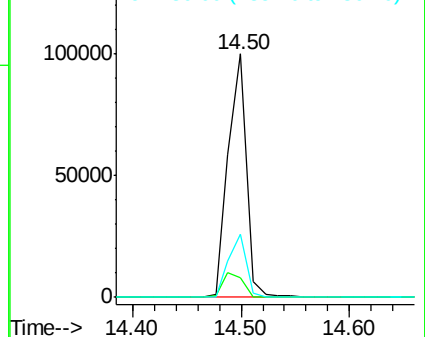
236 25.9 19.7 29.5



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: 71.13 ng

RT: 13.30 min Scan# 981

Delta R.T. -0.10 min

Lab File: BF080432.D

Acq: 13 Jul 2015 18:06

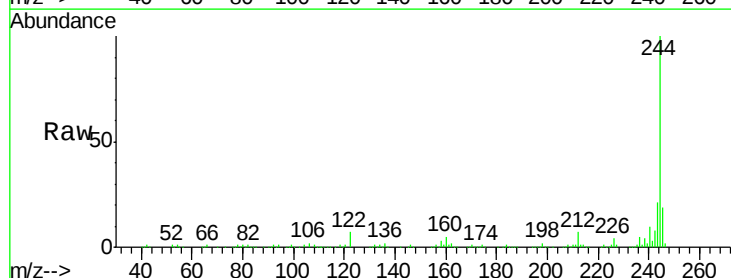
Tgt Ion:244 Resp: 379481

Ion Ratio Lower Upper

244 100

212 6.5 4.9 7.3

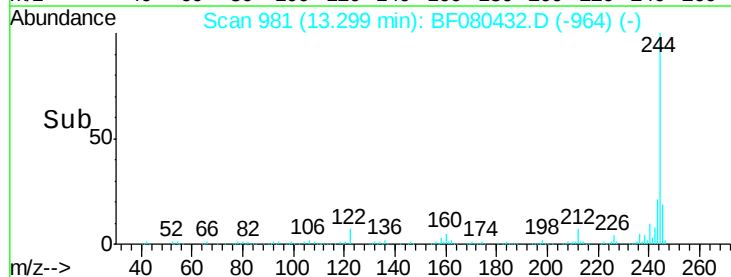
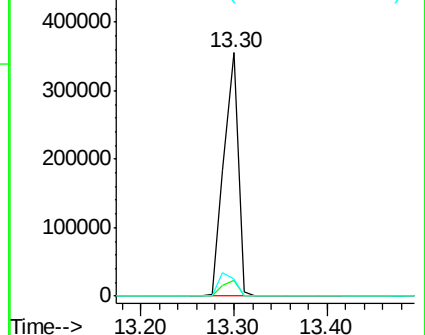
122 6.8 4.1 6.1#

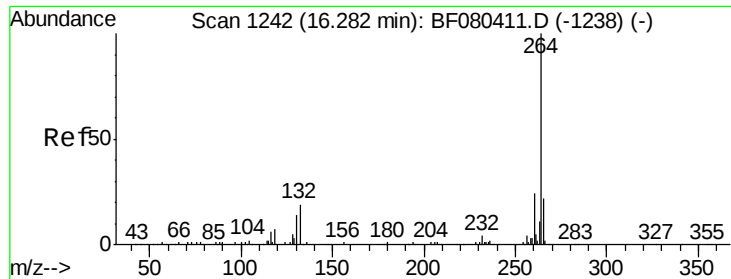


Abundance Ion 244.00 (243.70 to 244.70): E

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: 16.23 min Scan# 1237  
Delta R.T. -0.37 min  
Lab File: BF080432.D  
Acq: 13 Jul 2015 18:06

Instrument :  
BNA\_F  
ClientSampleId :  
TE-PMW-43

Tgt Ion: 264 Resp: 109048  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.4 29.2  
265 21.7 17.8 26.8

