

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\  
 Data File : BF085778.D  
 Acq On : 25 Mar 2016 23:10  
 Operator : UM/SJ  
 Sample : H1834-04  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 14

Quant Time: Mar 26 00:24:06 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 24 14:15:39 2016  
 Response via : Initial Calibration

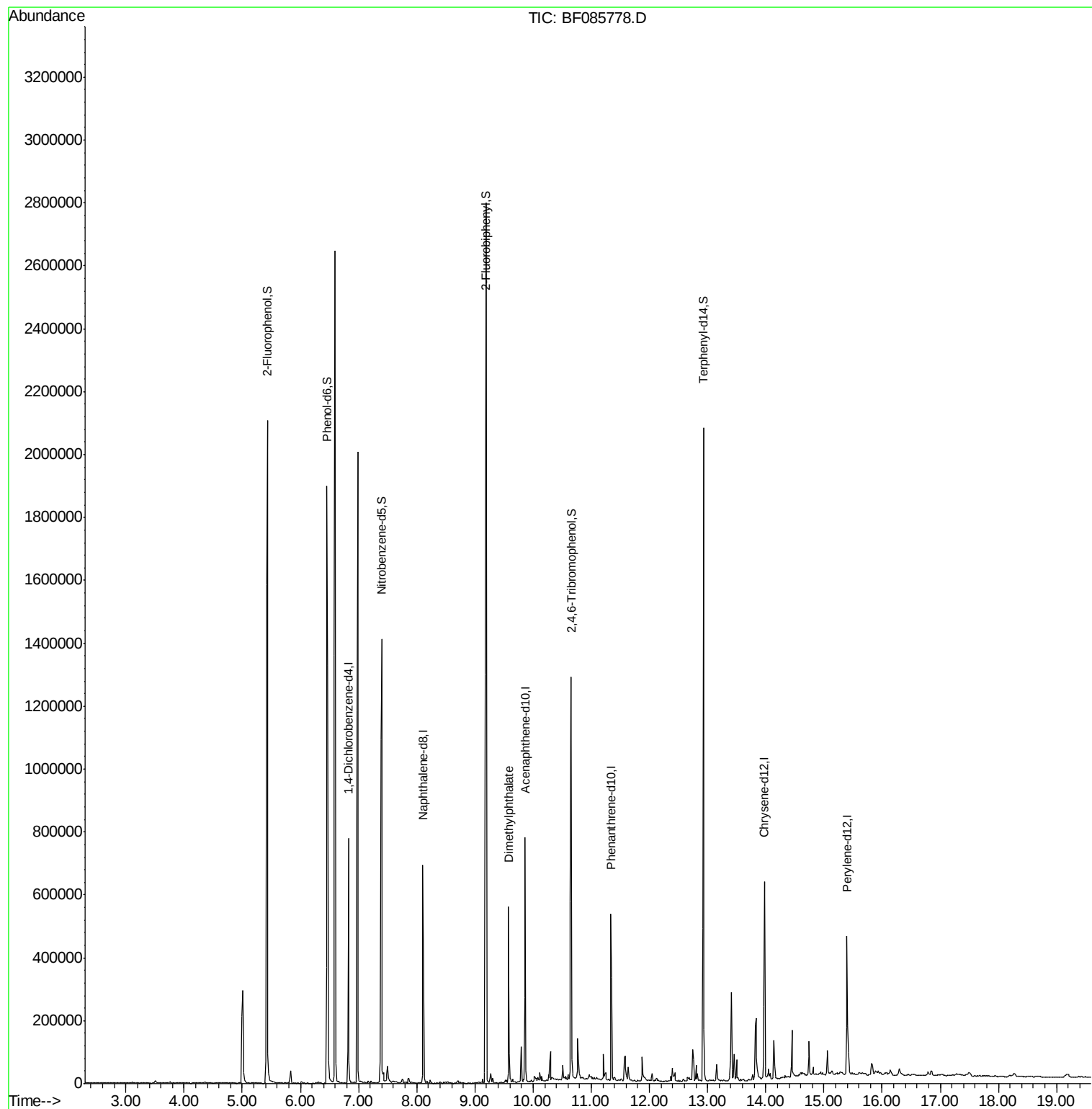
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 111862   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.10  | 136  | 387210   | 20.00  | ng    | -0.01        |
| 38) Acenaphthene-d10        | 9.86  | 164  | 157912   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.34 | 188  | 238946   | 20.00  | ng    | -0.01        |
| 75) Chrysene-d12            | 13.98 | 240  | 222596   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 15.40 | 264  | 184254   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.43  | 112  | 850658   | 126.65 | ng    | 0.02         |
| 7) Phenol-d6                | 6.46  | 99   | 1003516  | 117.51 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 651814   | 94.80  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 170458   | 113.61 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 9.19  | 172  | 982038   | 103.90 | ng    | 0.00         |
| 78) Terphenyl-d14           | 12.93 | 244  | 600539   | 55.48  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.58  | 163  | 197969   | 16.52  | ng    | Qvalue<br>99 |

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\  
Data File : BF085778.D  
Acq On : 25 Mar 2016 23:10  
Operator : UM/SJ  
Sample : H1834-04  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
14

Quant Time: Mar 26 00:24:06 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 24 14:15:39 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 397

Delta R.T. -0.00 min

Lab File: BF085778.D

Acq: 25 Mar 2016 23:10

Instrument :

BNA\_F

ClientSampled :

14

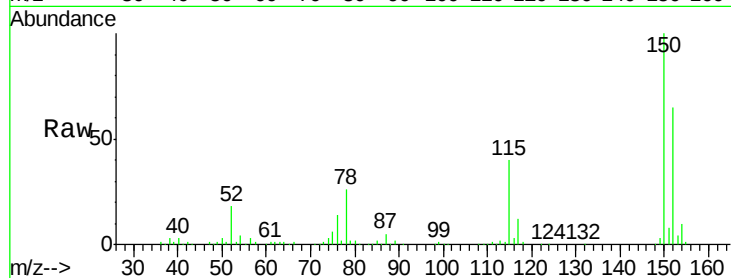
Tot Ion:152 Resp: 111862

Ion Ratio Lower Upper

152 100

150 153.5 124.2 186.2

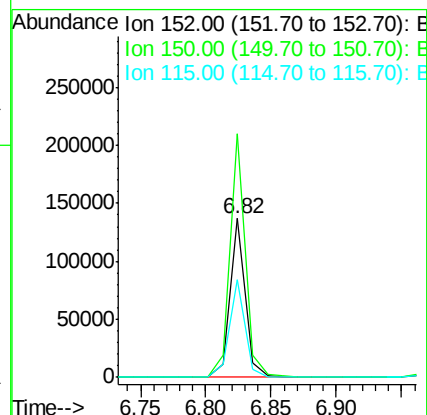
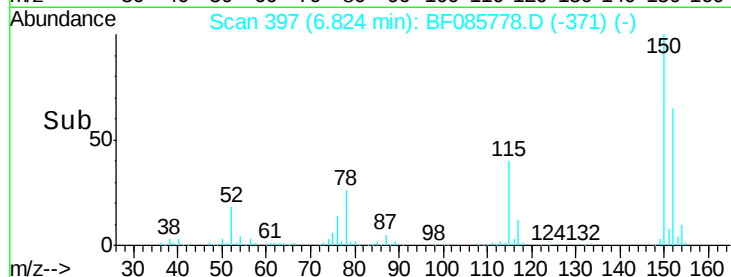
115 61.6 47.0 70.6



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: 126.65 ng

RT: 5.43 min Scan# 275

Delta R.T. 0.02 min

Lab File: BF085778.D

Acq: 25 Mar 2016 23:10

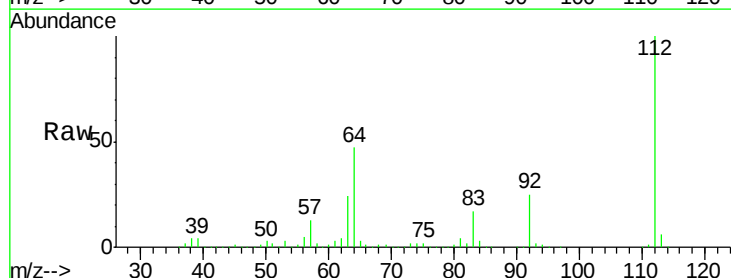
Tgt Ion:112 Resp: 850658

Ion Ratio Lower Upper

112 100

64 47.0 39.9 59.9

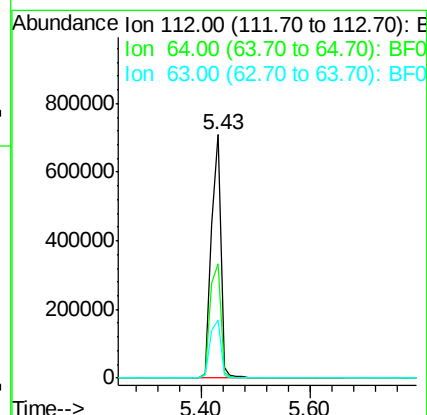
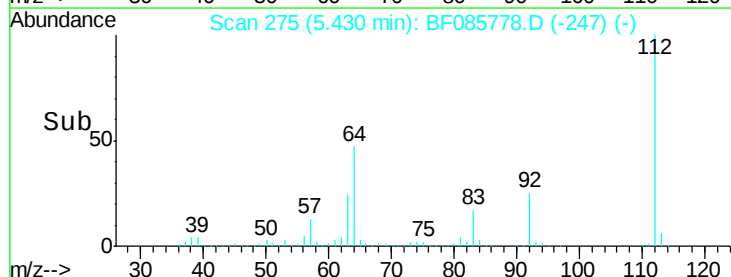
63 23.7 20.2 30.2



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: 117.51 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085778.D

Acq: 25 Mar 2016 23:10

Instrument :

BNA\_F

ClientSampleId :

14

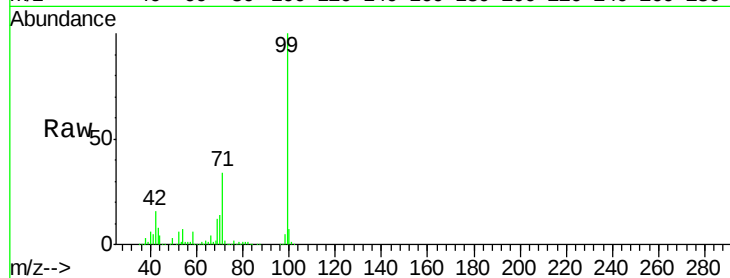
Tot Ion: 99 Resp: 1003516

Ion Ratio Lower Upper

99 100

42 16.1 11.1 16.7

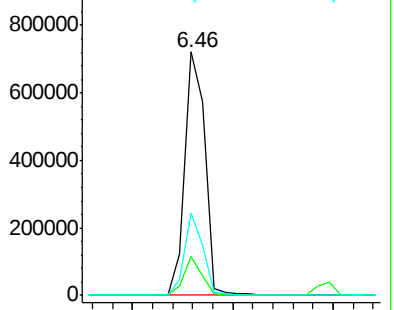
71 33.6 24.9 37.3



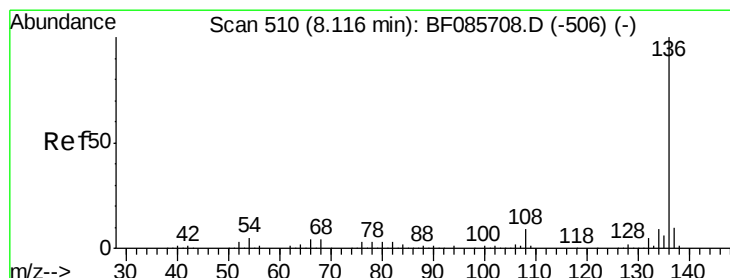
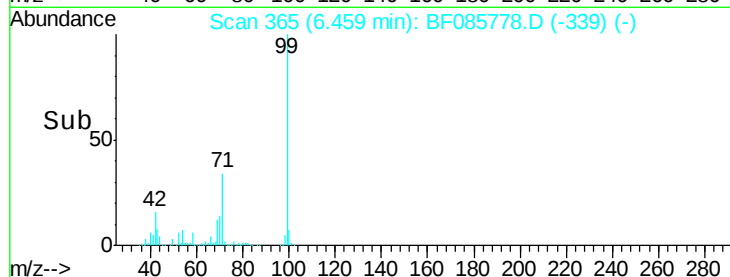
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085778.D

Acq: 25 Mar 2016 23:10

Tgt Ion: 136 Resp: 387210

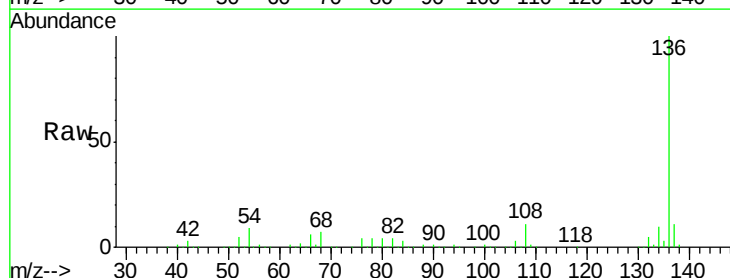
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 8.8 7.4 11.0

68 7.2 5.8 8.8

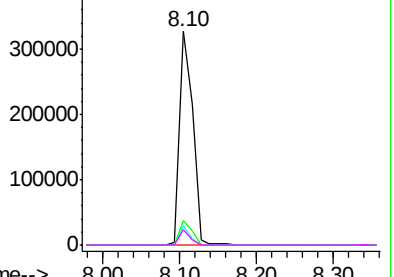


Abundance Ion 136.00 (135.70 to 136.70): E

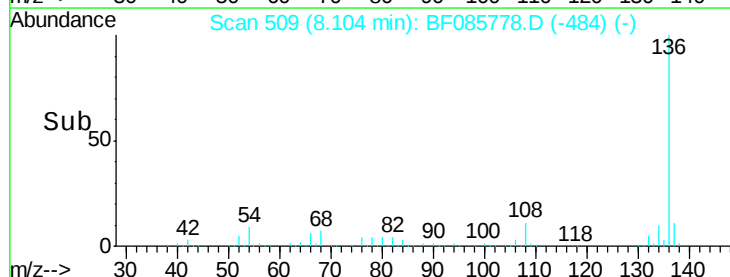
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

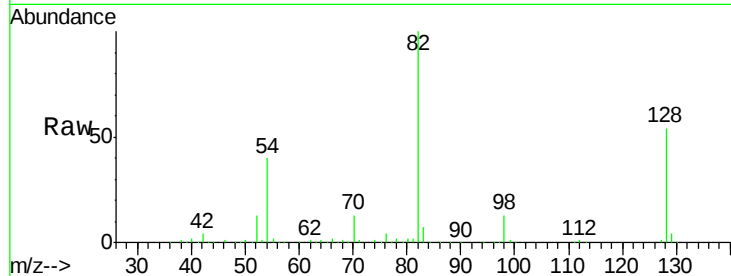




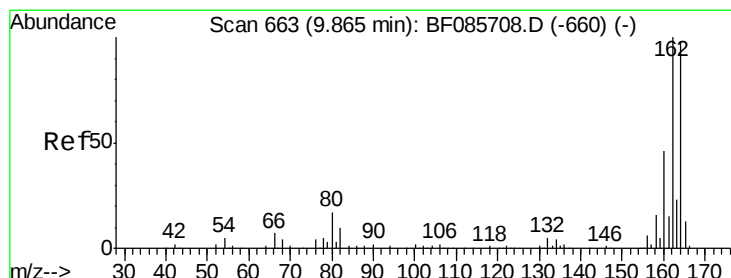
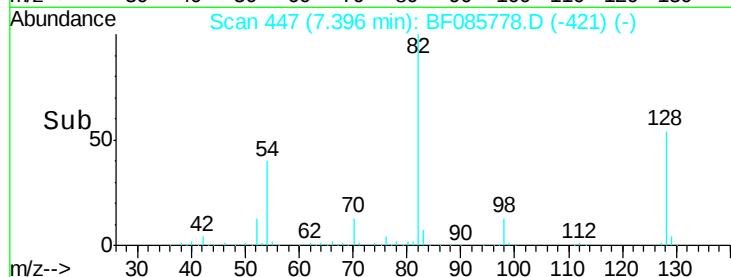
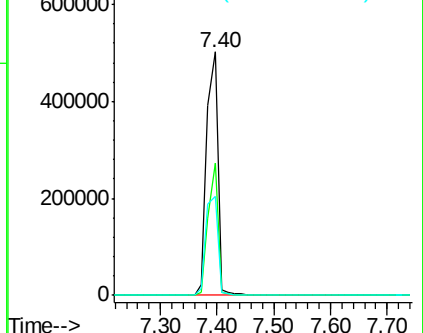
#23  
 Nitrobenzene-d5  
 Concen: 94.80 ng  
 RT: 7.40 min Scan# 447  
 Delta R.T. -0.00 min  
 Lab File: BF085778.D  
 Acq: 25 Mar 2016 23:10

Instrument :  
 BNA\_F  
 ClientSampled :  
 14

Tot Ion: 82 Resp: 651814  
 Ion Ratio Lower Upper  
 82 100  
 128 54.2 41.8 62.8  
 54 40.5 33.4 50.0

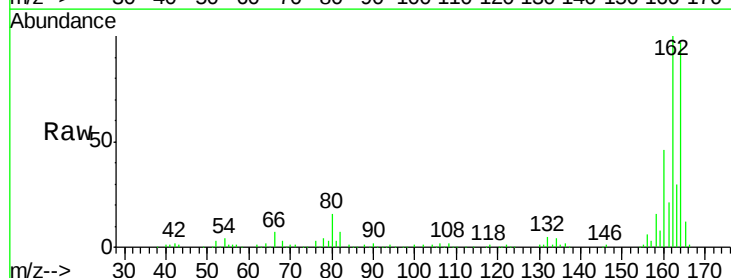


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

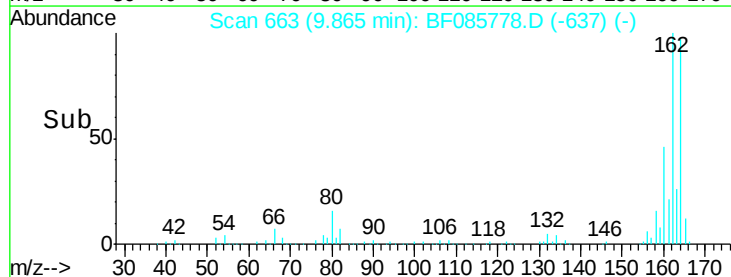
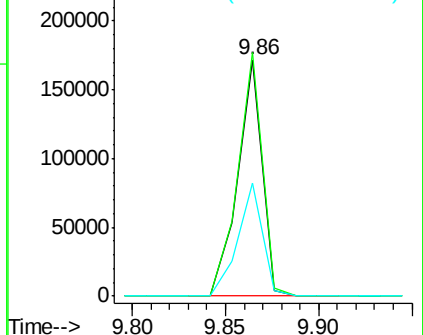


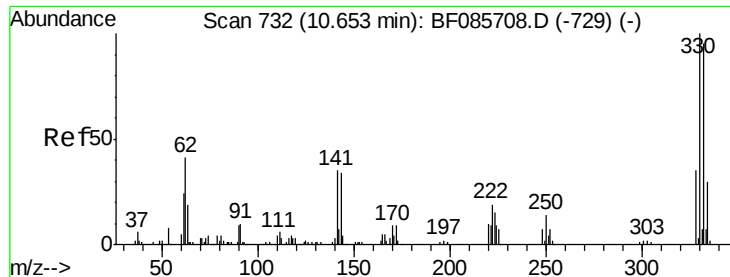
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.86 min Scan# 663  
 Delta R.T. -0.00 min  
 Lab File: BF085778.D  
 Acq: 25 Mar 2016 23:10

Tgt Ion:164 Resp: 157912  
 Ion Ratio Lower Upper  
 164 100  
 162 103.1 82.1 123.1  
 160 47.9 37.4 56.2



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

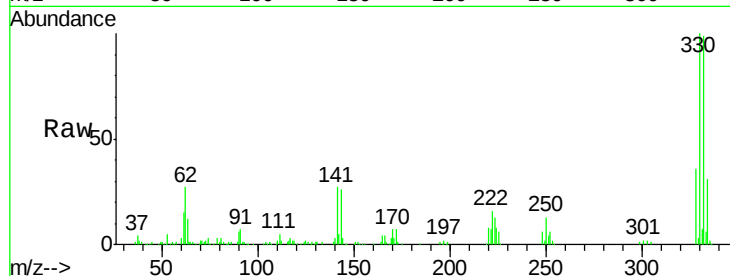




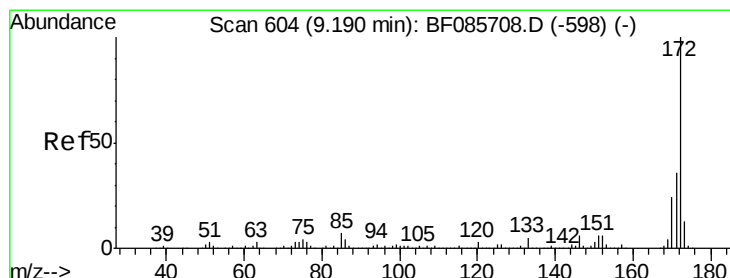
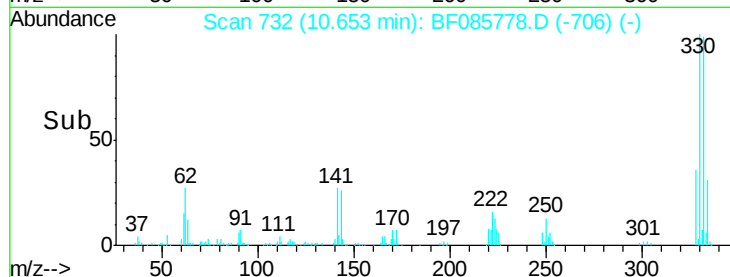
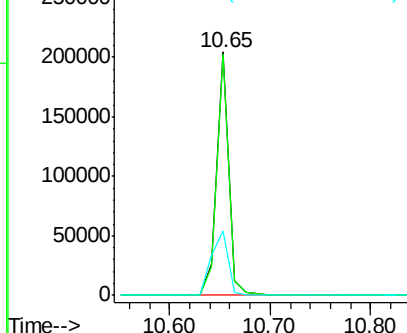
#41  
 2,4,6-Tribromophenol  
 Concen: 113.61 ng  
 RT: 10.65 min Scan# 732  
 Delta R.T. -0.00 min  
 Lab File: BF085778.D  
 Acq: 25 Mar 2016 23:10

Instrument :  
 BNA\_F  
 ClientSampled :  
 14

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.0  | 78.2  | 117.2 |
| 141     | 37.9  | 31.5  | 47.3  |

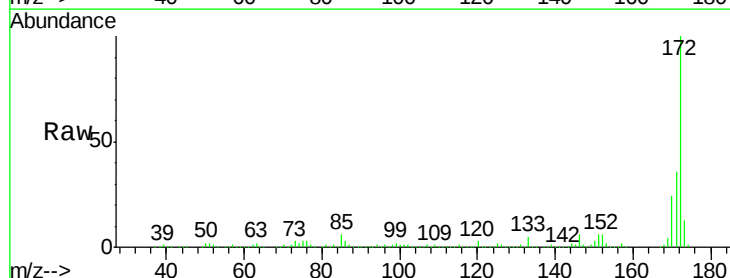


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

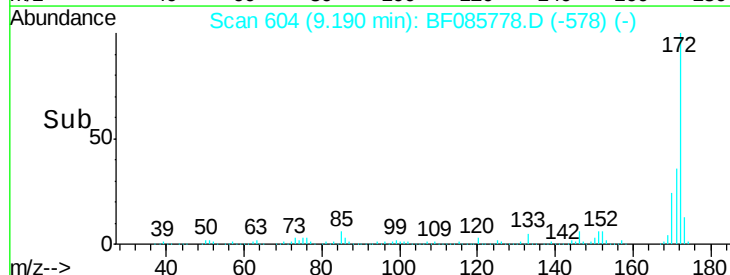
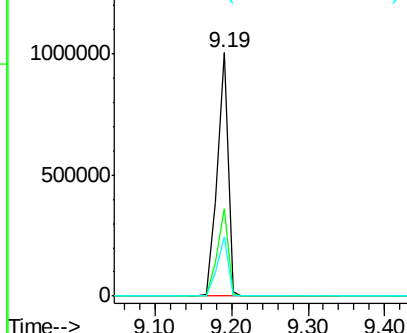


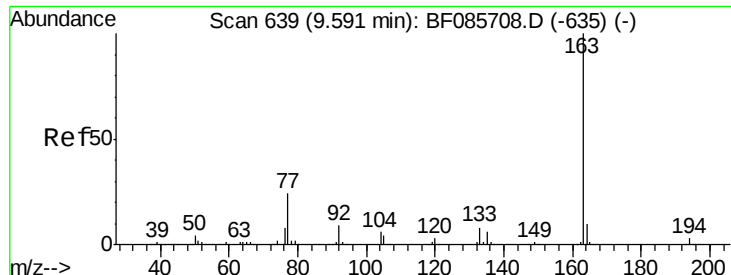
#44  
 2-Fluorobiphenyl  
 Concen: 103.90 ng  
 RT: 9.19 min Scan# 604  
 Delta R.T. -0.00 min  
 Lab File: BF085778.D  
 Acq: 25 Mar 2016 23:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.4  | 44.2  |
| 170     | 24.3  | 19.8  | 29.6  |



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

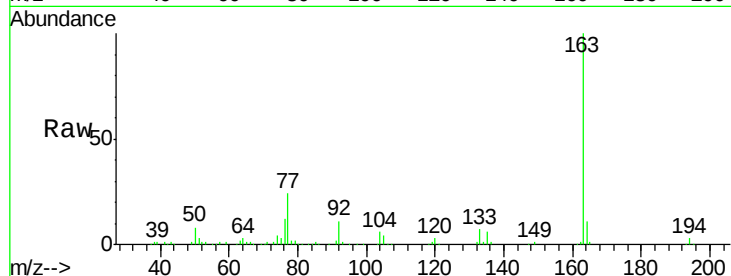




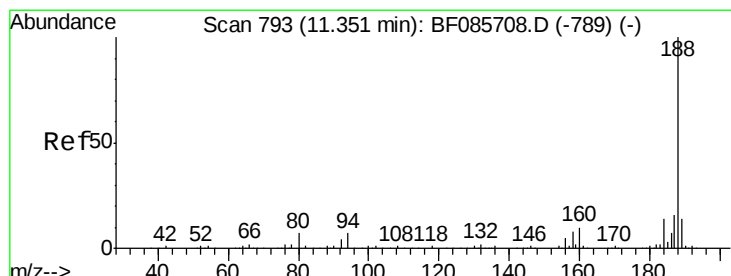
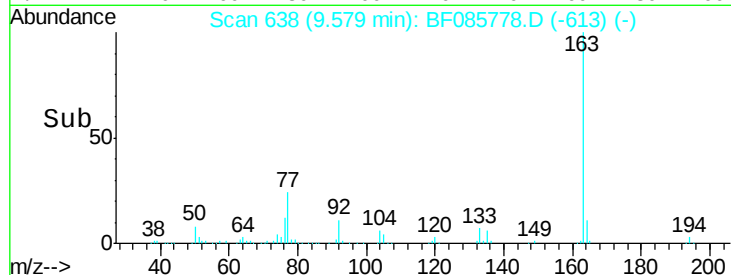
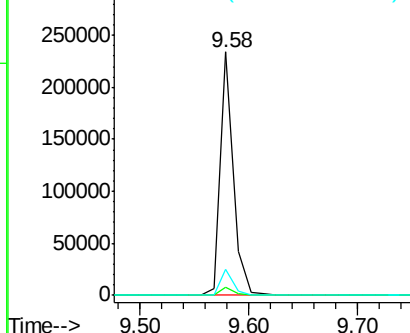
#49  
Dimethylphthalate  
Concen: 16.52 ng  
RT: 9.58 min Scan# 638  
Delta R.T. -0.01 min  
Lab File: BF085778.D  
Acq: 25 Mar 2016 23:10

Instrument :  
BNA\_F  
ClientSampleId :  
14

Tot Ion:163 Resp: 197969  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.9 4.3  
164 10.5 8.3 12.5

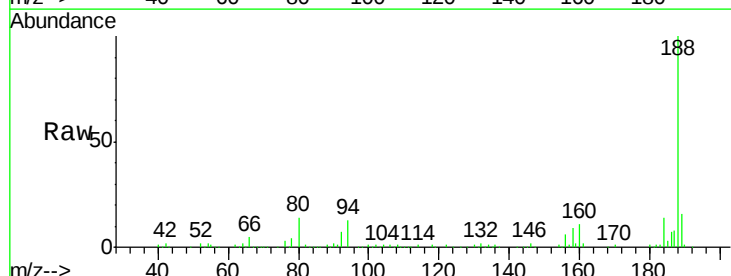


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

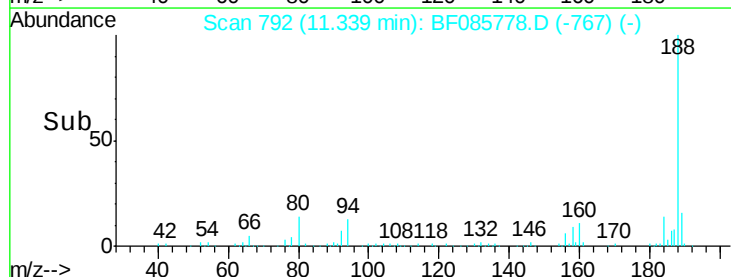
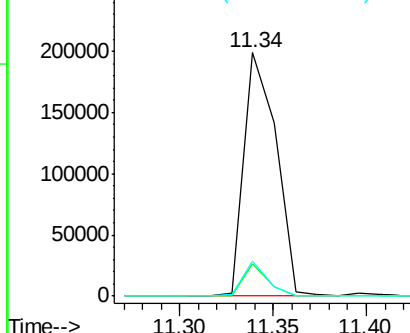


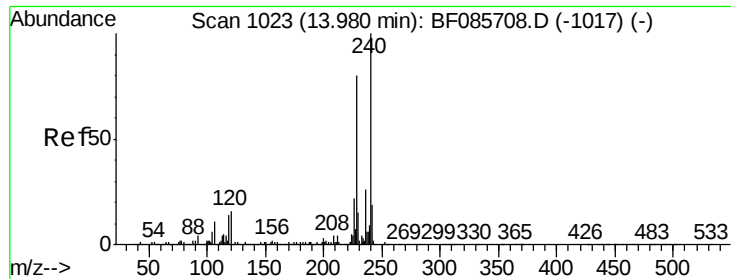
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.34 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BF085778.D  
Acq: 25 Mar 2016 23:10

Tgt Ion:188 Resp: 238946  
Ion Ratio Lower Upper  
188 100  
94 13.2 5.4 8.0#  
80 14.5 5.5 8.3#



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: 13.98 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF085778.D

Acq: 25 Mar 2016 23:10

Instrument :

BNA\_F

ClientSampleId :

14

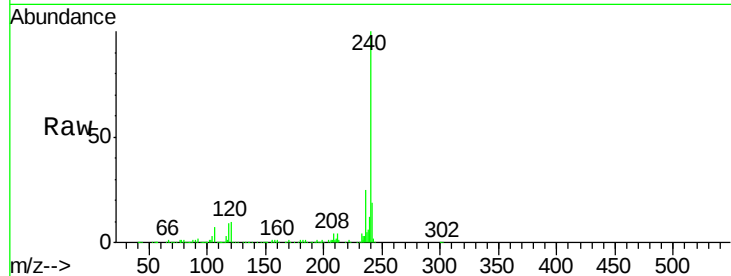
Tot Ion:240 Resp: 222596

Ion Ratio Lower Upper

240 100

120 10.0 13.8 20.8#

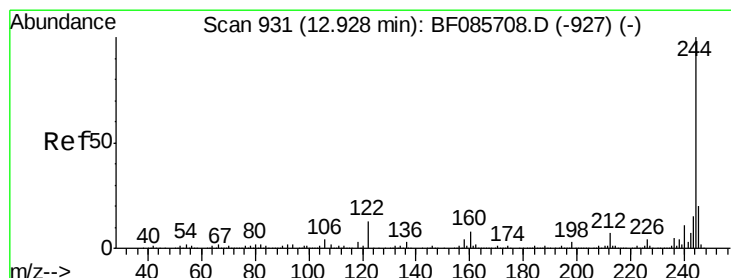
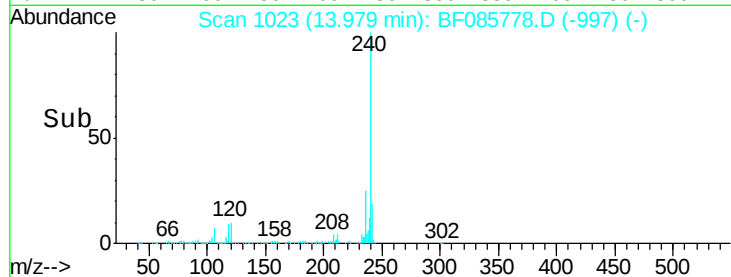
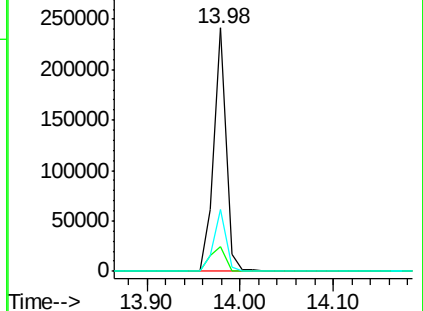
236 25.3 20.6 30.8



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: 55.48 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085778.D

Acq: 25 Mar 2016 23:10

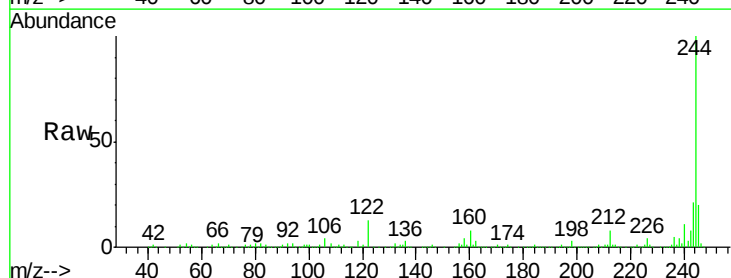
Tgt Ion:244 Resp: 600539

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

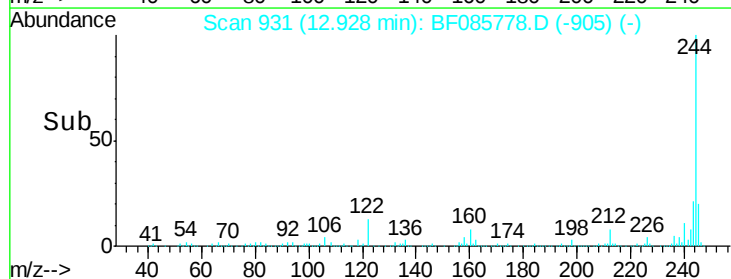
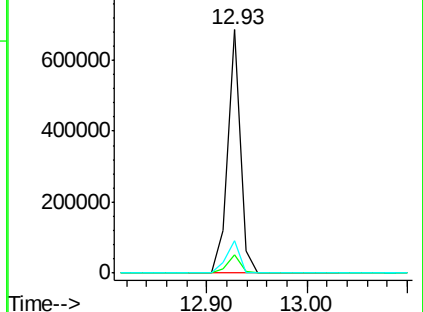
122 13.1 10.2 15.4

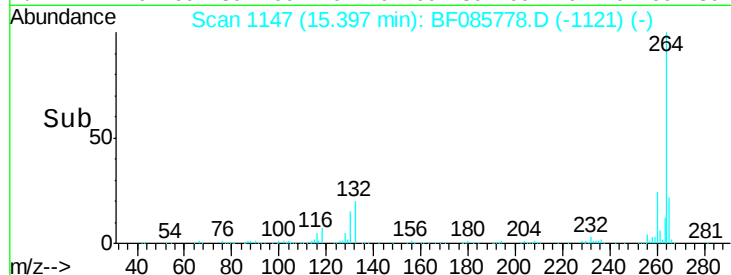
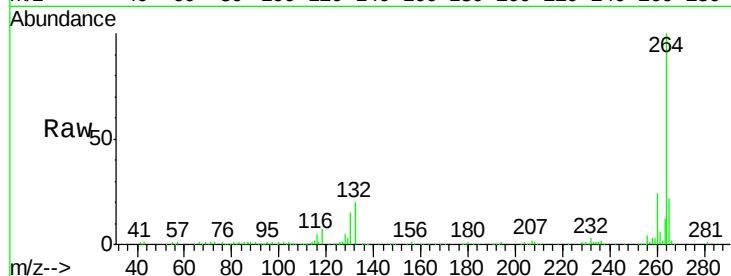
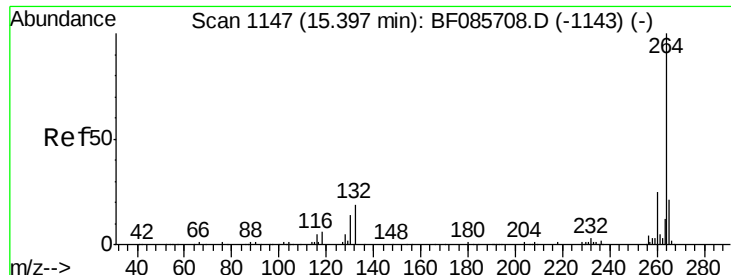


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.40 min Scan# 1147  
Delta R.T. -0.00 min  
Lab File: BF085778.D  
Acq: 25 Mar 2016 23:10

Instrument :  
BNA\_F  
ClientSampleId :  
14

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 184254 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.2  | 19.4  | 29.2   |
| 265      | 21.9  | 17.2  | 25.8   |

