

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030315\  
 Data File : BF077557.D  
 Acq On : 3 Mar 2015 20:42  
 Operator : TP/IZ  
 Sample : G1402-03  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW43

Quant Time: Mar 04 02:18:31 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 03 23:57:38 2015  
 Response via : Initial Calibration

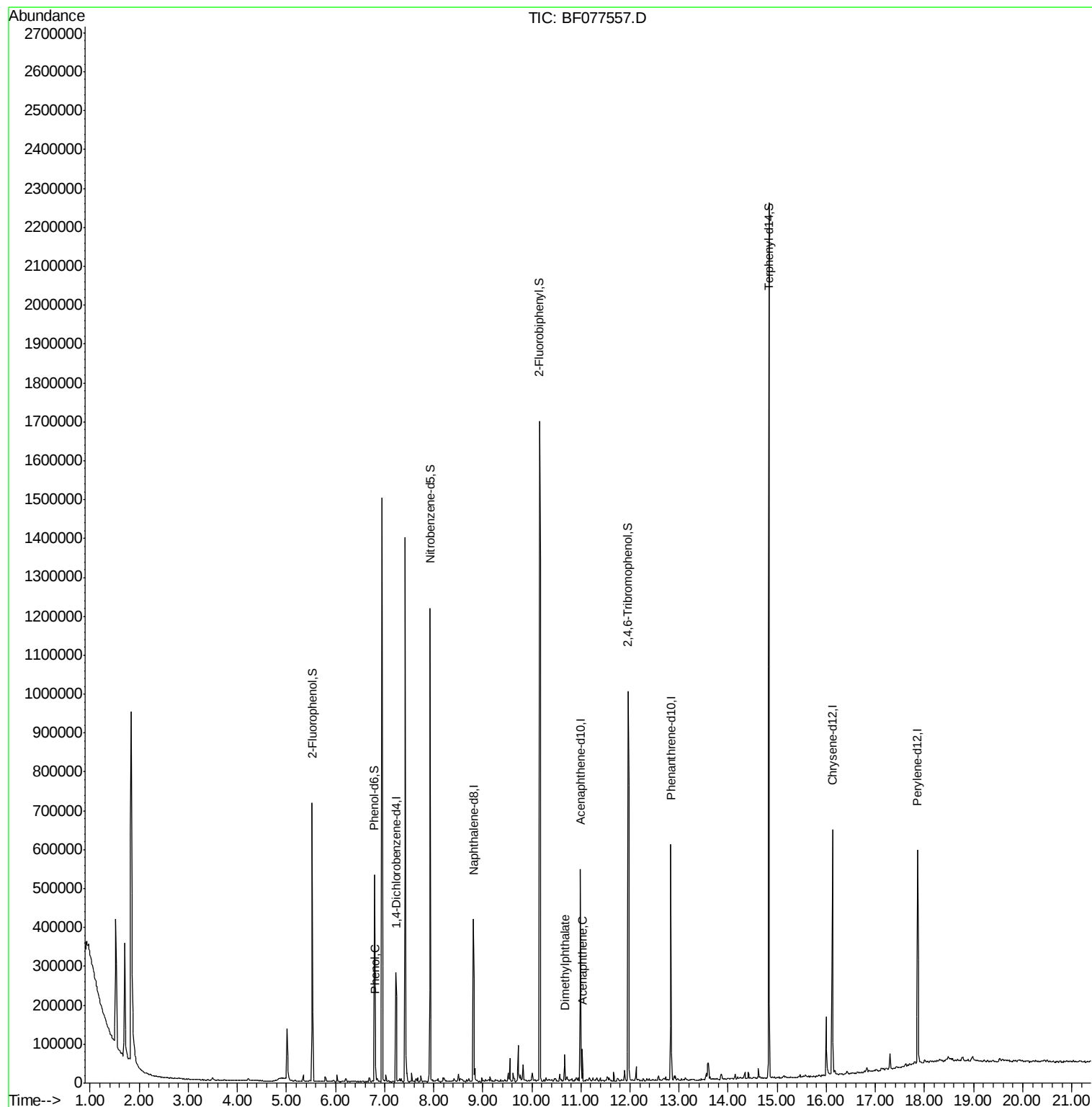
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.24  | 152  | 59408    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.81  | 136  | 234875   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 10.99 | 164  | 119759   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 12.83 | 188  | 227225   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 16.12 | 240  | 252514   | 20.00  | ng    | -0.03     |
| 86) Perylene-d12            | 17.86 | 264  | 248607   | 20.00  | ng    | -0.11     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.53  | 112  | 215041   | 60.43  | ng    | 0.00      |
| 7) Phenol-d6                | 6.80  | 99   | 171152   | 37.41  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.93  | 82   | 369629   | 97.86  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 11.97 | 330  | 157150   | 136.28 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 10.16 | 172  | 751744   | 97.88  | ng    | 0.00      |
| 78) Terphenyl-d14           | 14.83 | 244  | 852485   | 78.92  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 6.81  | 94   | 22061    | 4.06   | ng    | Qvalue 83 |
| 49) Dimethylphthalate       | 10.67 | 163  | 35171    | 4.18   | ng    | # 97      |
| 51) Acenaphthene            | 11.03 | 154  | 18798    | 2.80   | ng    | 99        |

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

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Sample : G1402-03  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Time: Mar 04 02:18:31 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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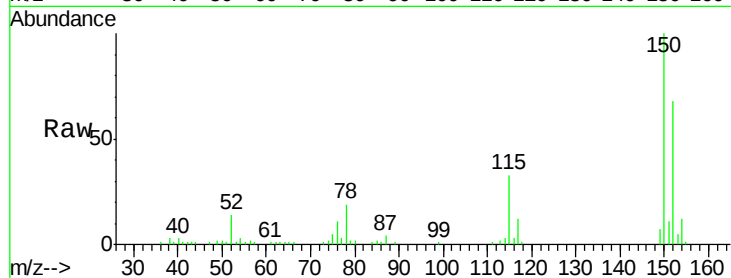


#1

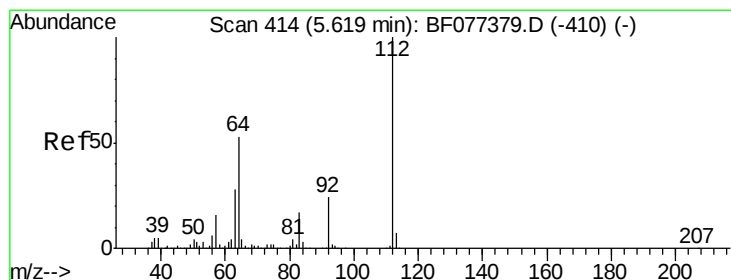
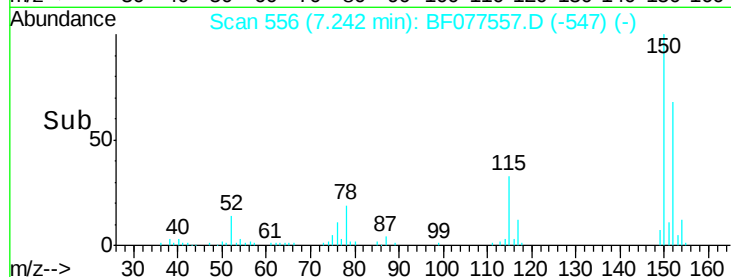
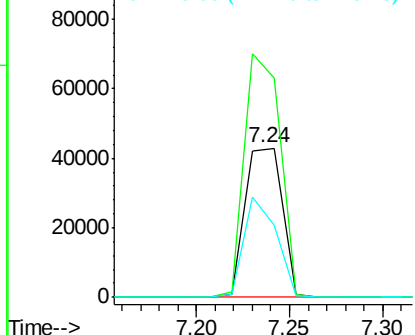
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.24 min Scan# 556  
Delta R.T. -0.01 min  
Lab File: BF077557.D  
Acq: 3 Mar 2015 20:42

Instrument :  
BNA\_F  
ClientSampleId :  
MW43

Tgt Ion:152 Resp: 59408  
Ion Ratio Lower Upper  
152 100  
150 146.6 124.0 186.0  
115 48.2 49.4 74.2#



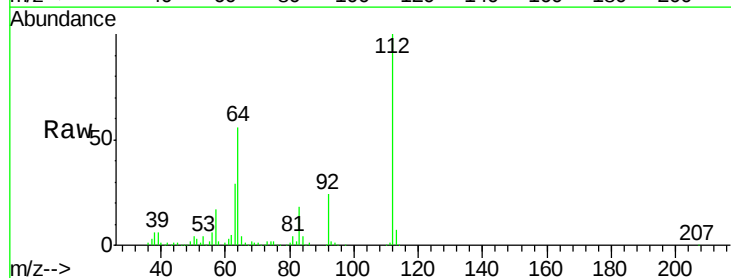
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



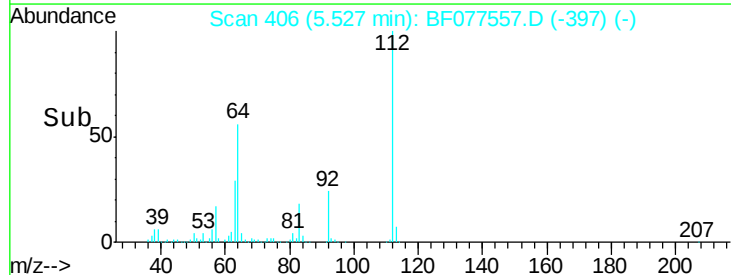
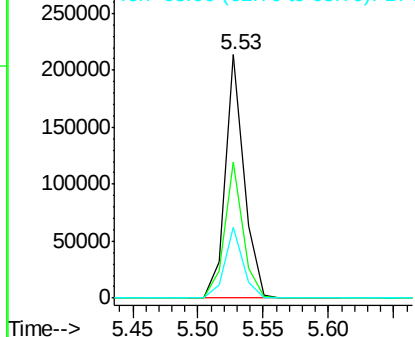
#5

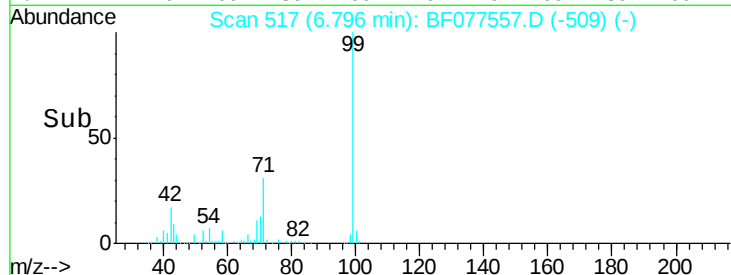
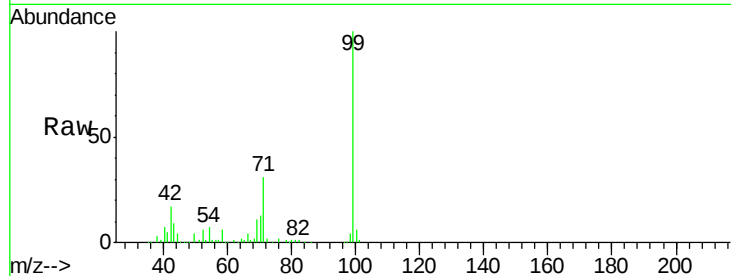
2-Fluorophenol  
Concen: 60.43 ng  
RT: 5.53 min Scan# 406  
Delta R.T. 0.00 min  
Lab File: BF077557.D  
Acq: 3 Mar 2015 20:42

Tgt Ion:112 Resp: 215041  
Ion Ratio Lower Upper  
112 100  
64 56.1 48.5 72.7  
63 29.1 25.0 37.4



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: 37.41 ng

RT: 6.80 min Scan# 517

Delta R.T. -0.00 min

Lab File: BF077557.D

Acq: 3 Mar 2015 20:42

Instrument :

BNA\_F

ClientSampleId :

MW43

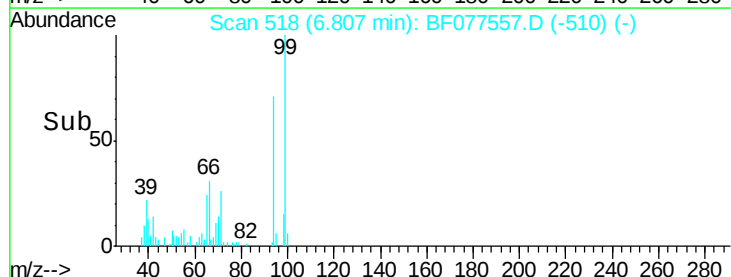
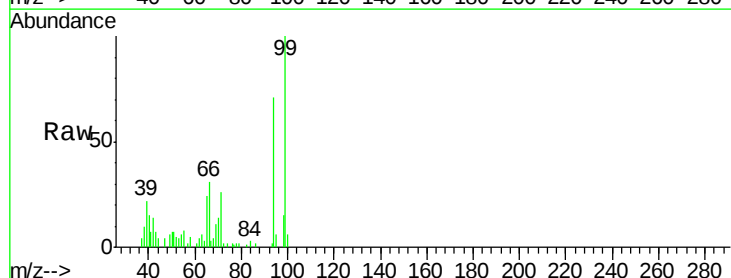
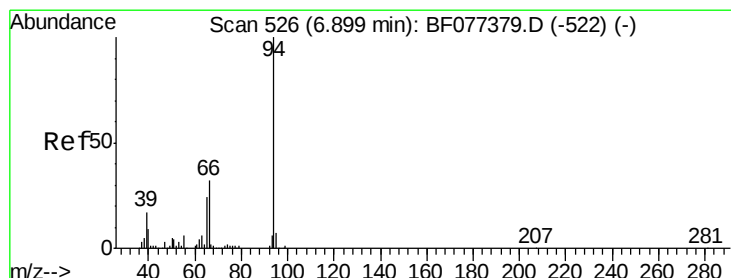
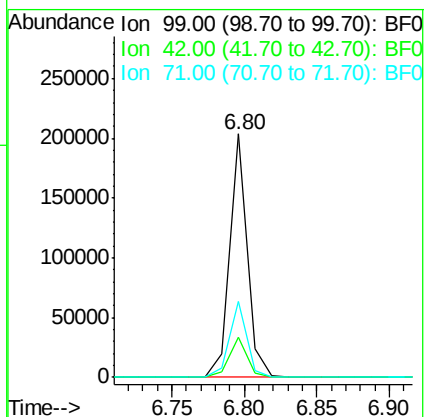
Tgt Ion: 99 Resp: 171152

Ion Ratio Lower Upper

99 100

42 16.7 16.2 24.4

71 31.3 26.7 40.1



#10

Phenol

Concen: 4.06 ng

RT: 6.81 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF077557.D

Acq: 3 Mar 2015 20:42

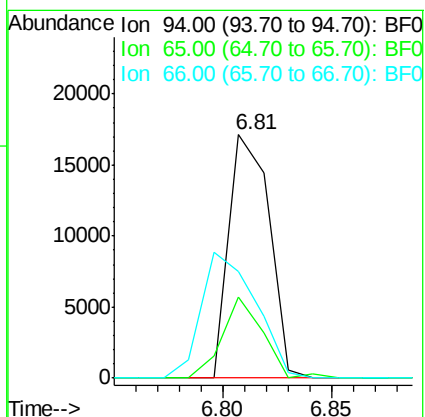
Tgt Ion: 94 Resp: 22061

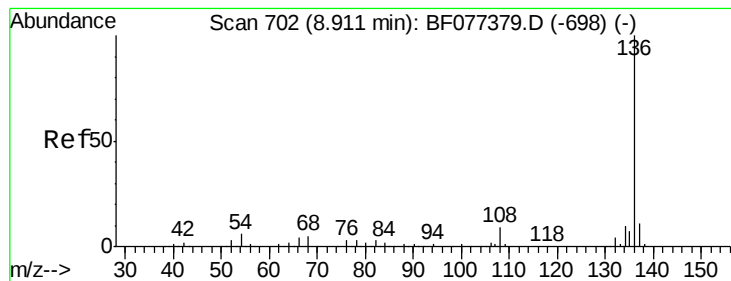
Ion Ratio Lower Upper

94 100

65 33.2 5.7 45.7

66 43.8 13.6 53.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.81 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF077557.D

Acq: 3 Mar 2015 20:42

Instrument :

BNA\_F

ClientSampleId :

MW43

Tgt Ion:136 Resp: 234875

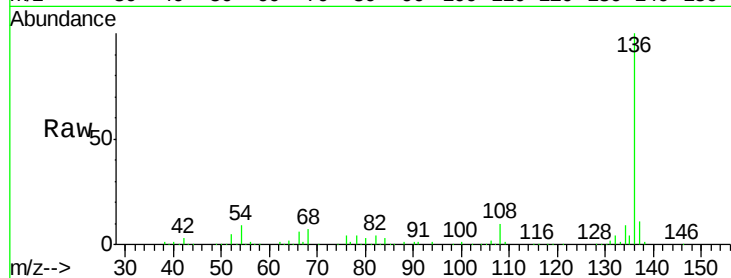
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.3 6.2 9.4

68 7.3 5.0 7.6

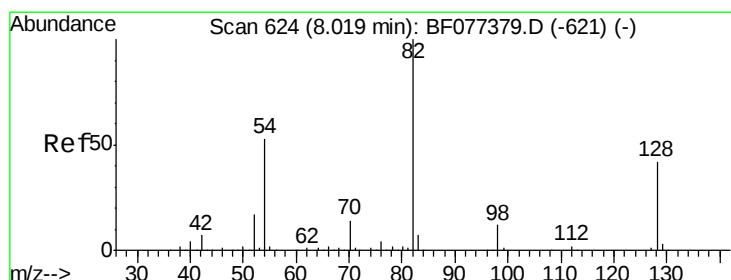
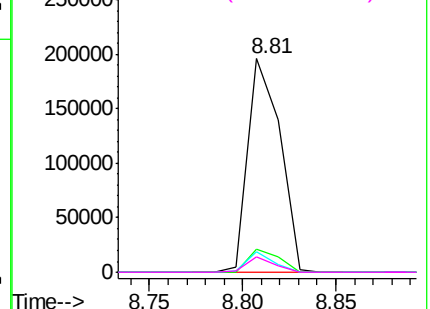
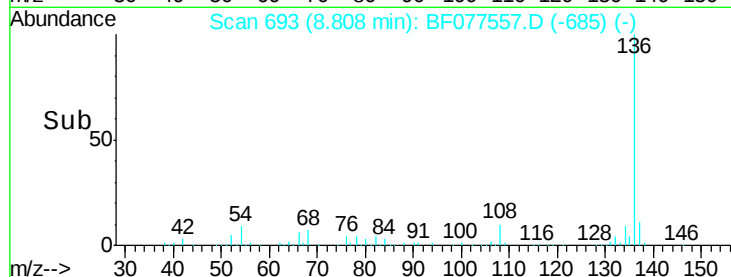


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.86 ng

RT: 7.93 min Scan# 616

Delta R.T. -0.00 min

Lab File: BF077557.D

Acq: 3 Mar 2015 20:42

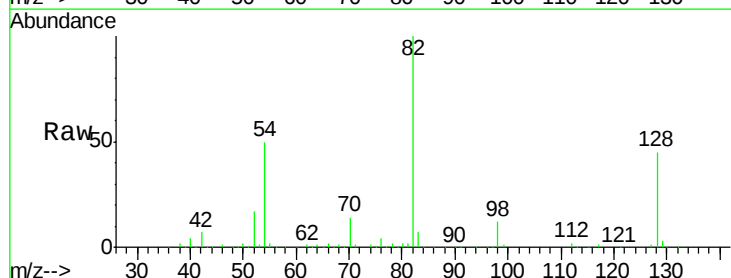
Tgt Ion: 82 Resp: 369629

Ion Ratio Lower Upper

82 100

128 45.1 43.8 65.8

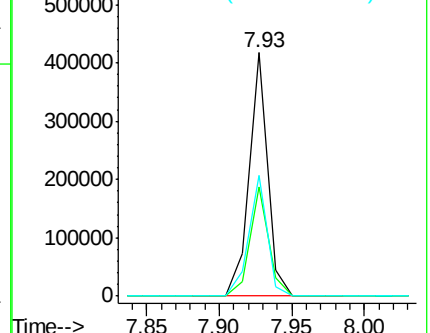
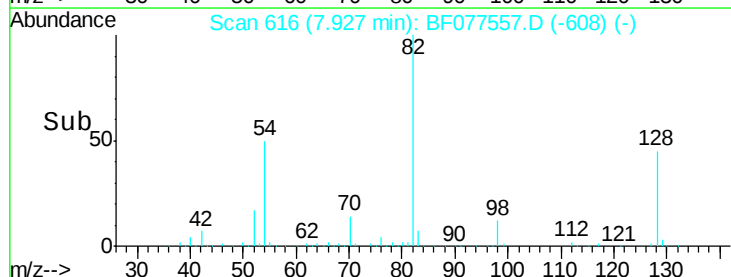
54 49.7 36.7 55.1



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

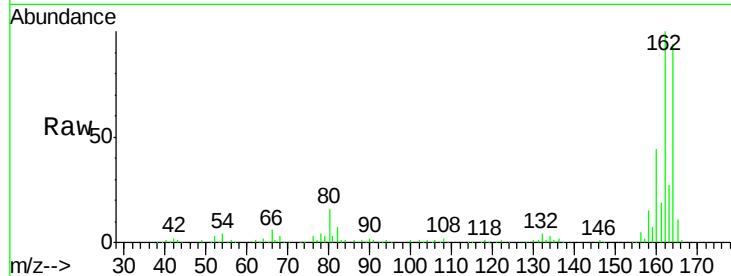




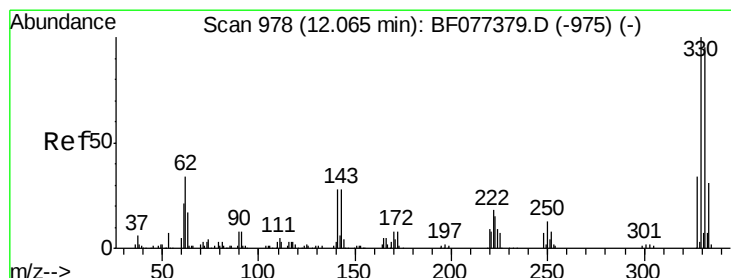
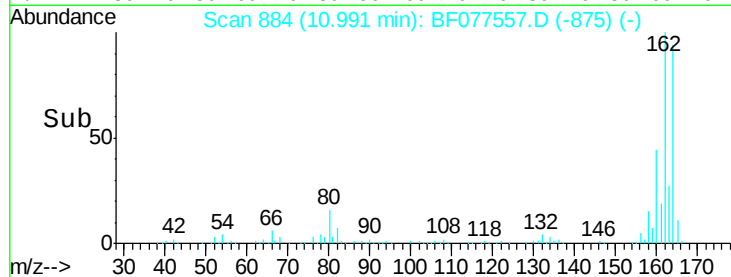
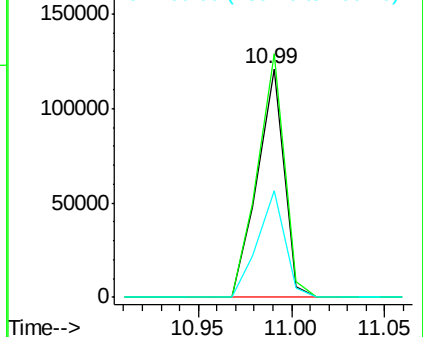
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.99 min Scan# 884  
 Delta R.T. -0.01 min  
 Lab File: BF077557.D  
 Acq: 3 Mar 2015 20:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW43

Tgt Ion:164 Resp: 119759  
 Ion Ratio Lower Upper  
 164 100  
 162 106.6 83.2 124.8  
 160 46.5 34.6 52.0

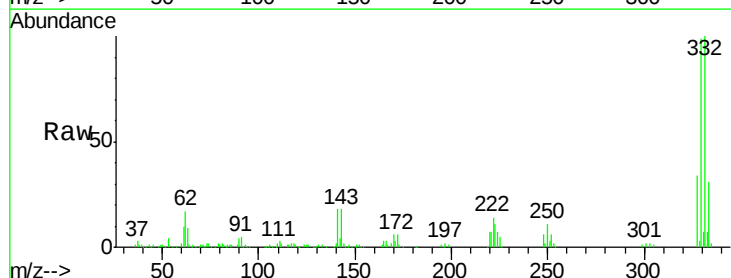


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

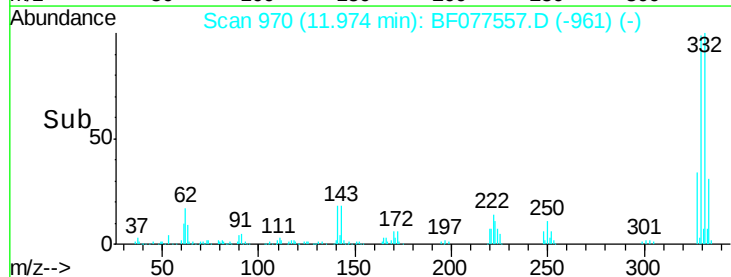
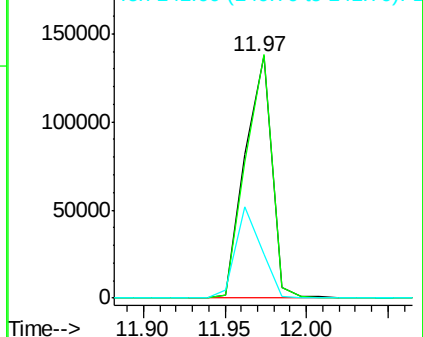


#41  
 2,4,6-Tribromophenol  
 Concen: 136.28 ng  
 RT: 11.97 min Scan# 970  
 Delta R.T. -0.00 min  
 Lab File: BF077557.D  
 Acq: 3 Mar 2015 20:42

Tgt Ion:330 Resp: 157150  
 Ion Ratio Lower Upper  
 330 100  
 332 98.5 77.4 116.2  
 141 35.9 28.8 43.2



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

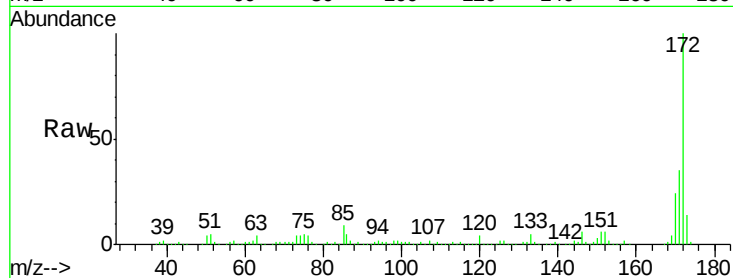




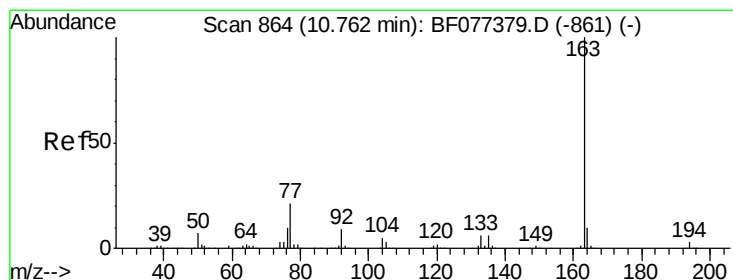
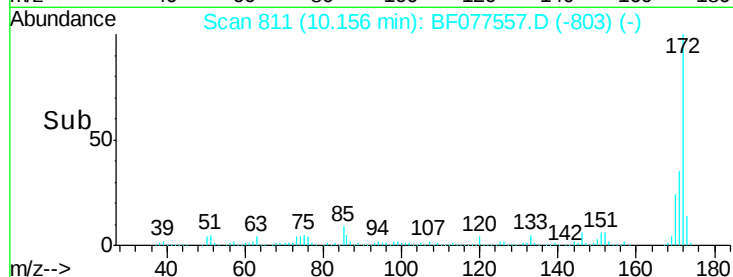
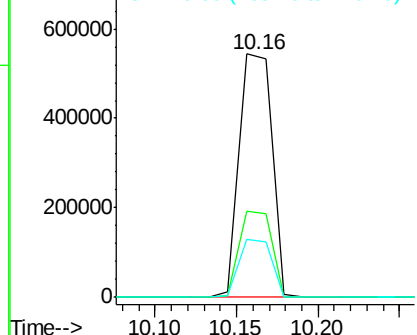
#44  
2-Fluorobiphenyl  
Concen: 97.88 ng  
RT: 10.16 min Scan# 811  
Delta R.T. -0.00 min  
Lab File: BF077557.D  
Acq: 3 Mar 2015 20:42

Instrument :  
BNA\_F  
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MW43

Tgt Ion:172 Resp: 751744  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.9 43.3  
170 23.9 19.4 29.2

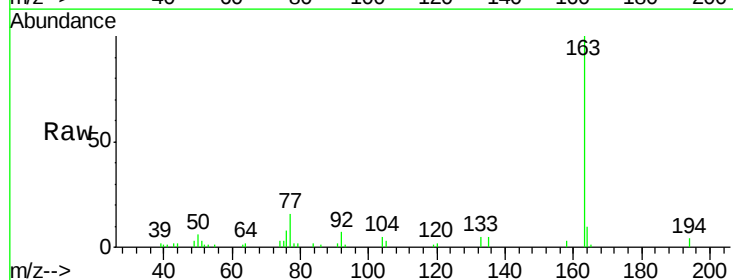


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

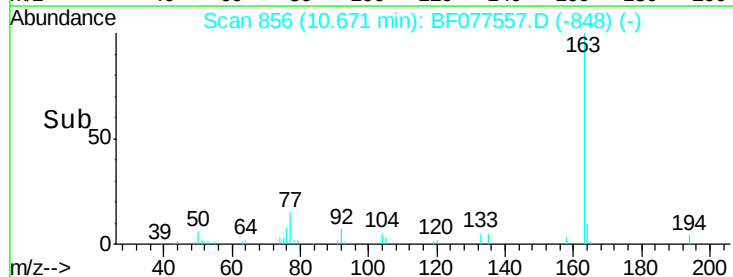
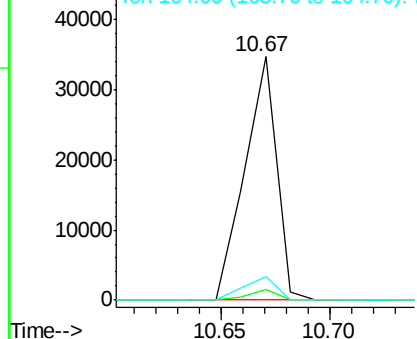


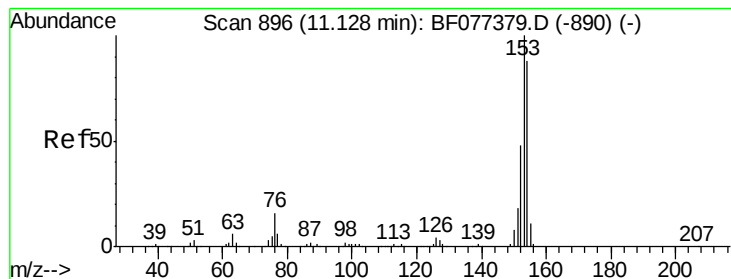
#49  
Dimethylphthalate  
Concen: 4.18 ng  
RT: 10.67 min Scan# 856  
Delta R.T. -0.01 min  
Lab File: BF077557.D  
Acq: 3 Mar 2015 20:42

Tgt Ion:163 Resp: 35171  
Ion Ratio Lower Upper  
163 100  
194 4.2 2.6 4.0#  
164 9.5 8.6 13.0



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





#51

Acenaphthene

Concen: 2.80 ng

RT: 11.03 min Scan# 887

Delta R.T. -0.01 min

Lab File: BF077557.D

Acq: 3 Mar 2015 20:42

Instrument :

BNA\_F

ClientSampleId :

MW43

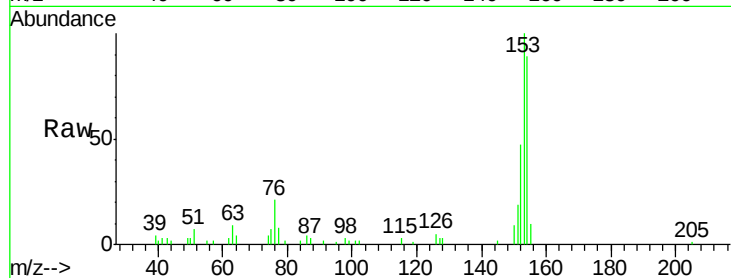
Tgt Ion:154 Resp: 18798

Ion Ratio Lower Upper

154 100

153 112.1 90.5 135.7

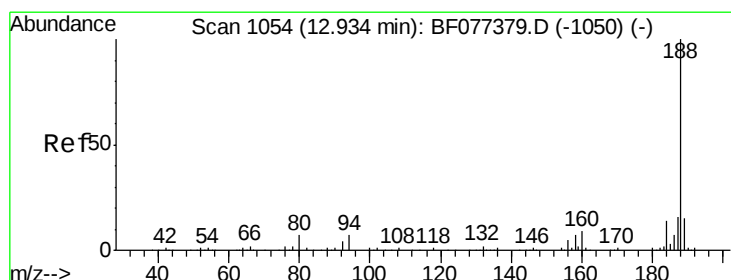
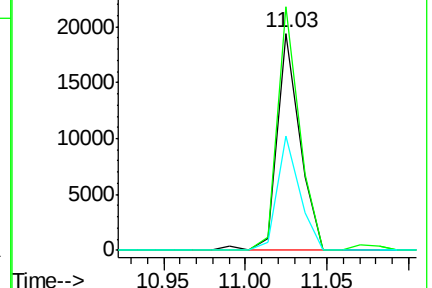
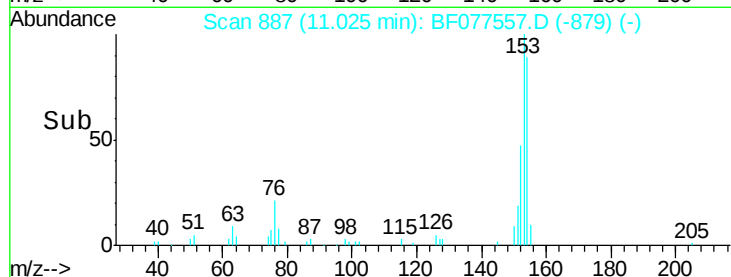
152 52.8 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.83 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BF077557.D

Acq: 3 Mar 2015 20:42

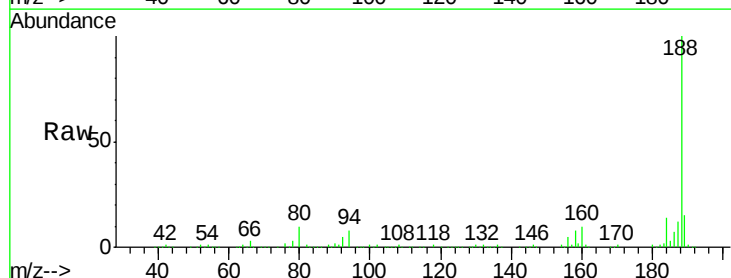
Tgt Ion:188 Resp: 227225

Ion Ratio Lower Upper

188 100

94 8.4 7.4 11.2

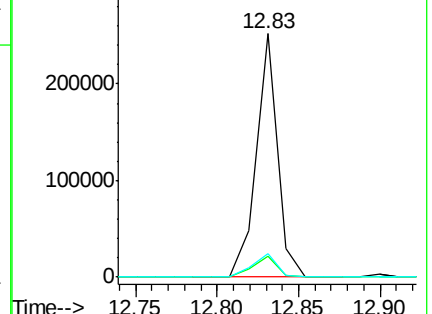
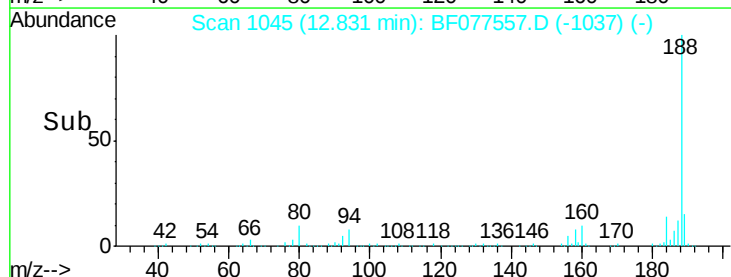
80 9.5 8.0 12.0

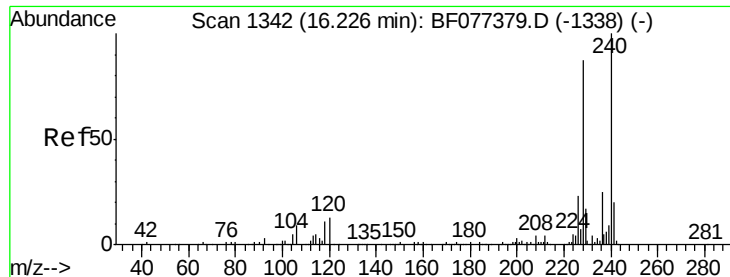


Abundance Ion 188.00 (187.70 to 188.70): E

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: 16.12 min Scan# 1333

Delta R.T. -0.03 min

Lab File: BF077557.D

Acq: 3 Mar 2015 20:42

Instrument :

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ClientSampleId :

MW43

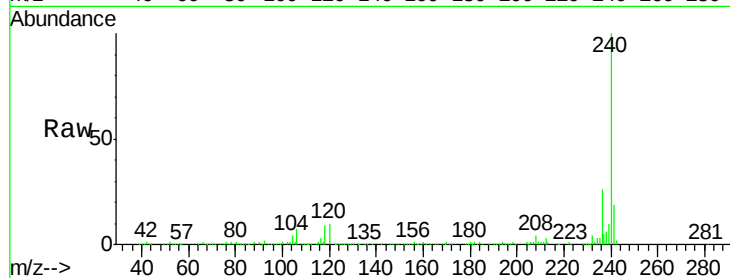
Tgt Ion:240 Resp: 252514

Ion Ratio Lower Upper

240 100

120 10.4 8.8 13.2

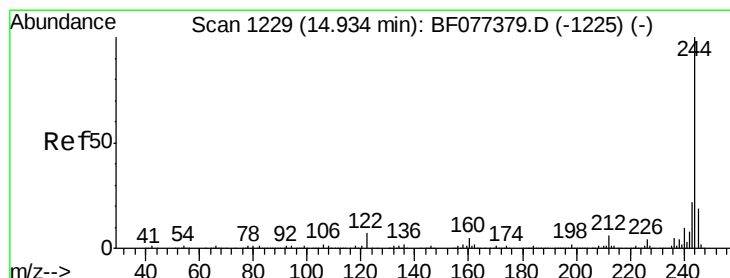
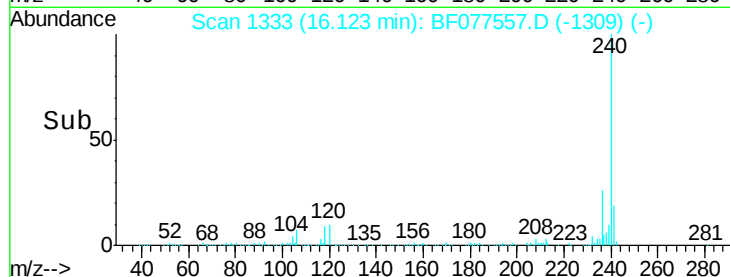
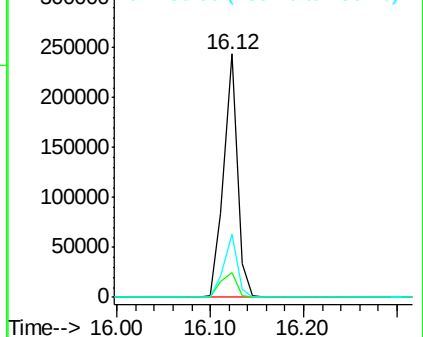
236 25.9 20.7 31.1



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: 78.92 ng

RT: 14.83 min Scan# 1220

Delta R.T. -0.00 min

Lab File: BF077557.D

Acq: 3 Mar 2015 20:42

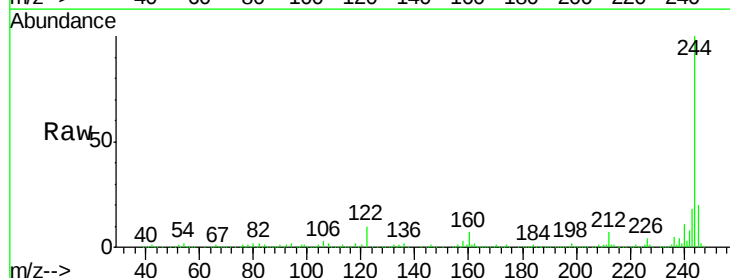
Tgt Ion:244 Resp: 852485

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

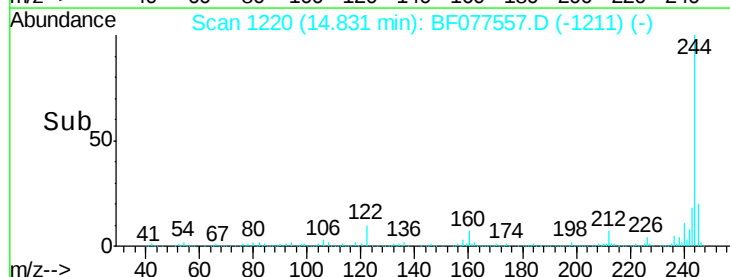
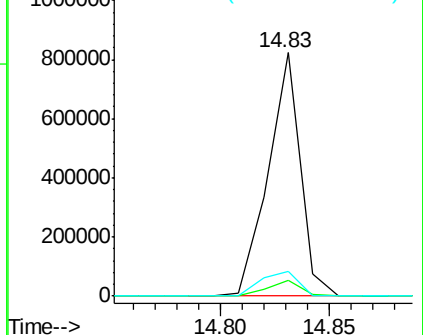
122 10.3 7.8 11.8

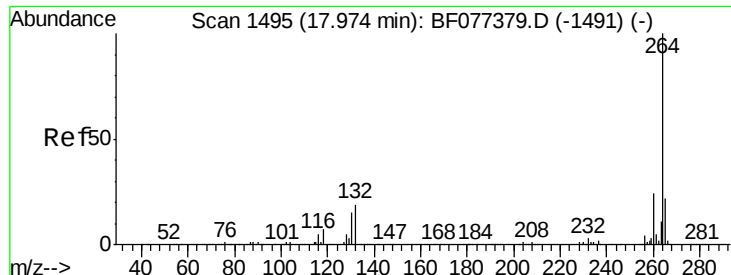


Abundance Ion 244.00 (243.70 to 244.70): E

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: 17.86 min Scan# 1485  
Delta R.T. -0.11 min  
Lab File: BF077557.D  
Acq: 3 Mar 2015 20:42

Instrument :  
BNA\_F  
ClientSampleId :  
MW43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.3  | 28.9  |
| 265     | 21.8  | 16.8  | 25.2  |

