

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF053015\  
 Data File : BF079624.D  
 Acq On : 31 May 2015 3:23  
 Operator : TP/IZ  
 Sample : G2309-06  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PX4

Quant Time: Jun 01 03:36:20 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 01 03:28:53 2015  
 Response via : Initial Calibration

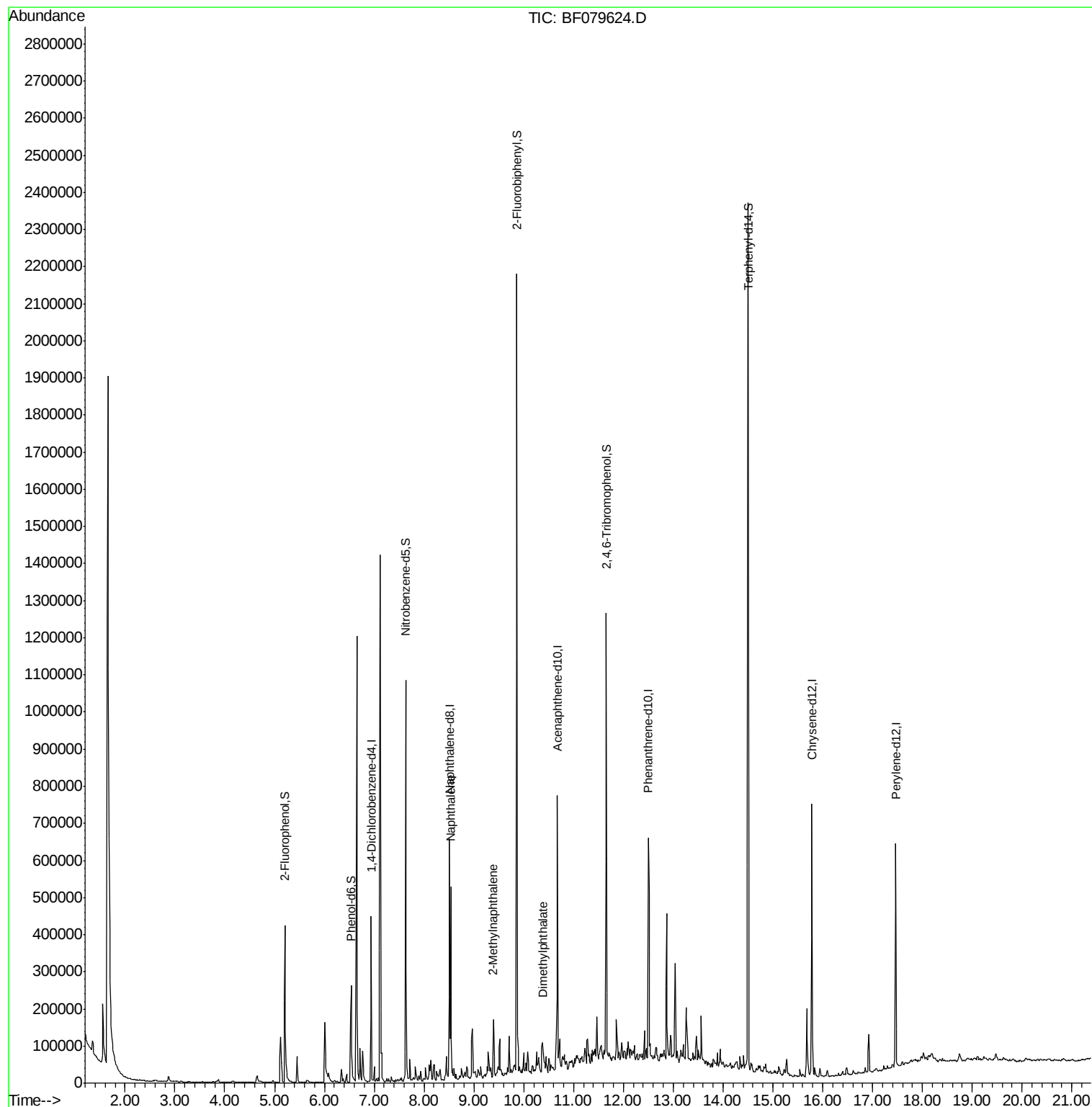
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.94  | 152  | 79412    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.51  | 136  | 313613   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.67 | 164  | 156318   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.50 | 188  | 293427   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 15.78 | 240  | 312967   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 17.46 | 264  | 306442   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.21  | 112  | 189609   | 41.41  | ng    | 0.01     |
| 7) Phenol-d6                | 6.54  | 99   | 144548   | 24.77  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.63  | 82   | 360666   | 66.48  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.66 | 330  | 179745   | 104.69 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.86  | 172  | 771973   | 70.46  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.50 | 244  | 819617   | 61.46  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 8.54  | 128  | 231595   | 15.39  | ng    | 99       |
| 37) 2-Methylnaphthalene     | 9.39  | 142  | 45576    | 4.36   | ng    | 96       |
| 49) Dimethylphthalate       | 10.38 | 163  | 39650    | 3.44   | ng    | 100      |

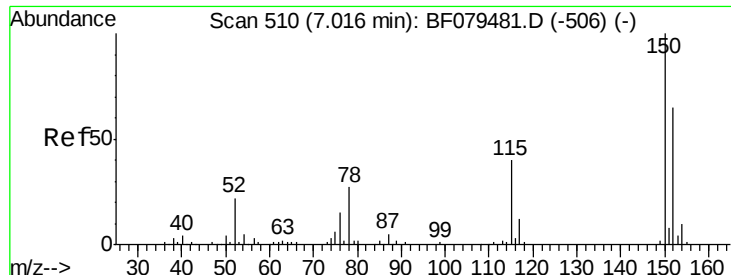
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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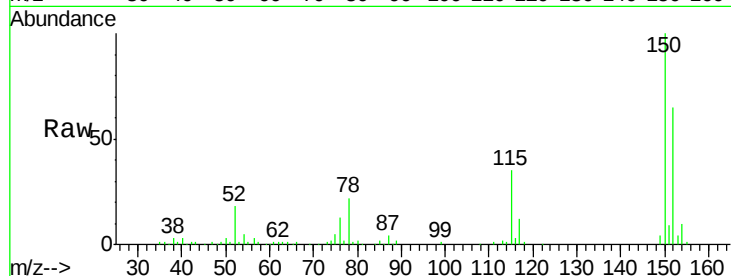




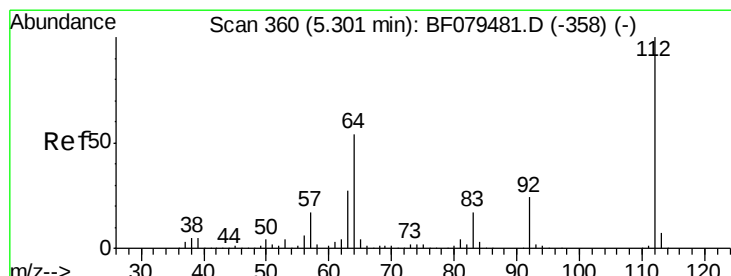
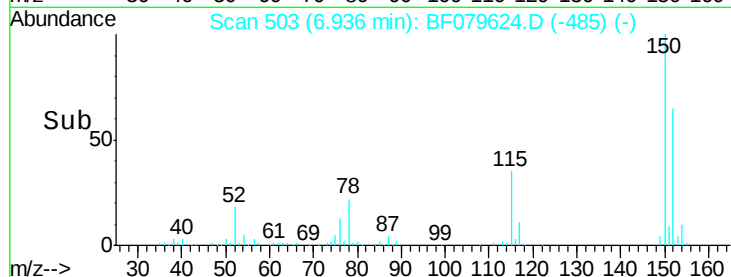
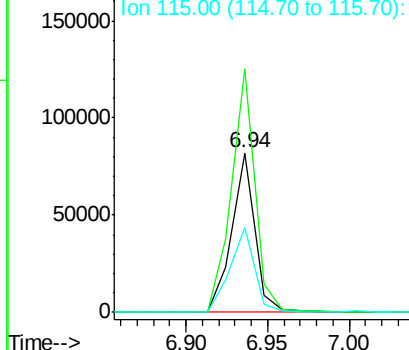
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.94 min Scan# 503  
 Delta R.T. 0.00 min  
 Lab File: BF079624.D  
 Acq: 31 May 2015 3:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PX4

Tgt Ion:152 Resp: 79412  
 Ion Ratio Lower Upper  
 152 100  
 150 152.9 124.0 186.0  
 115 53.7 49.6 74.4

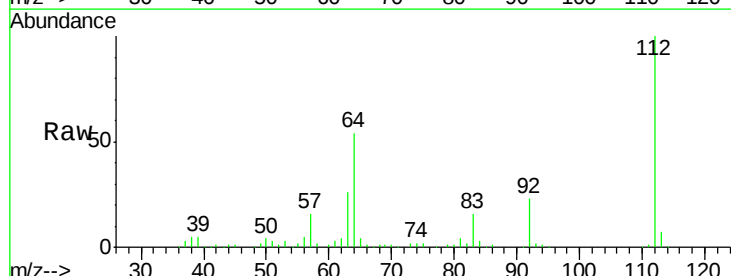


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

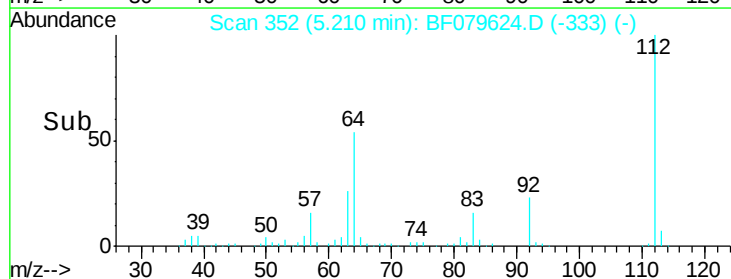
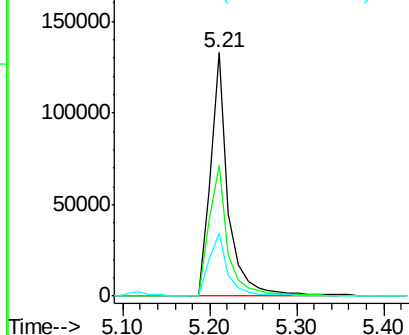


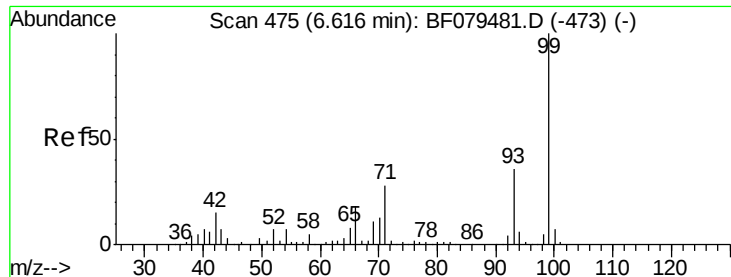
#5  
 2-Fluorophenol  
 Concen: 41.41 ng  
 RT: 5.21 min Scan# 352  
 Delta R.T. 0.01 min  
 Lab File: BF079624.D  
 Acq: 31 May 2015 3:23

Tgt Ion:112 Resp: 189609  
 Ion Ratio Lower Upper  
 112 100  
 64 53.5 43.5 65.3  
 63 26.0 21.8 32.8



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: 24.77 ng

RT: 6.54 min Scan# 468

Delta R.T. 0.00 min

Lab File: BF079624.D

Acq: 31 May 2015 3:23

Instrument :

BNA\_F

ClientSampleId :

PX4

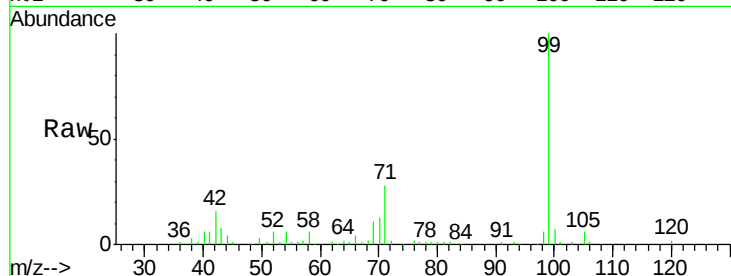
Tgt Ion: 99 Resp: 144548

Ion Ratio Lower Upper

99 100

42 15.5 11.9 17.9

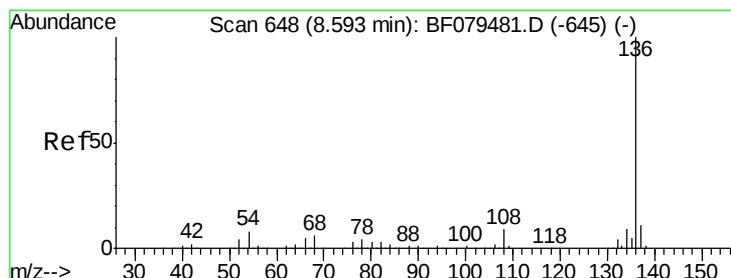
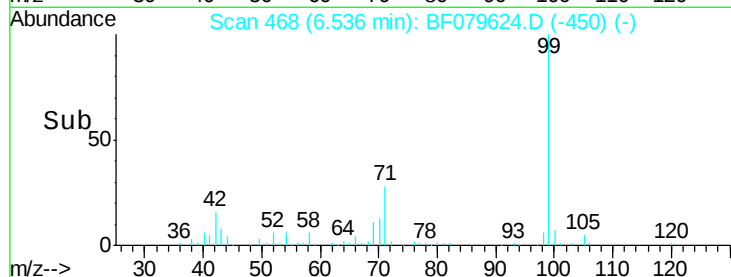
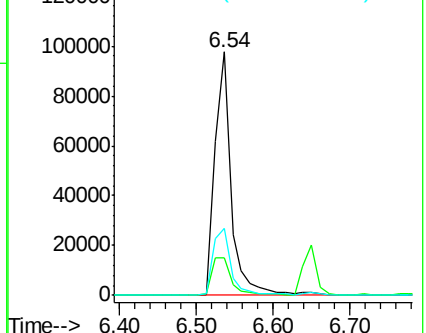
71 27.5 22.1 33.1



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: 8.51 min Scan# 641

Delta R.T. 0.00 min

Lab File: BF079624.D

Acq: 31 May 2015 3:23

Tgt Ion: 136 Resp: 313613

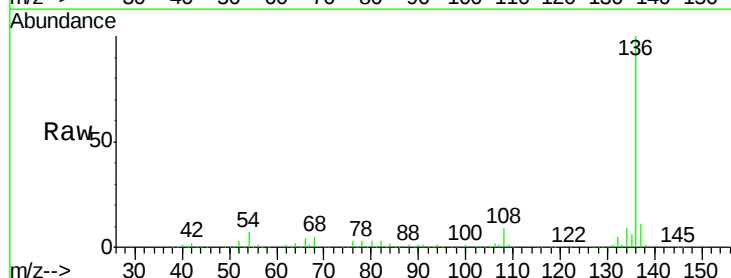
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.5 6.6 9.8#

68 5.3 4.7 7.1

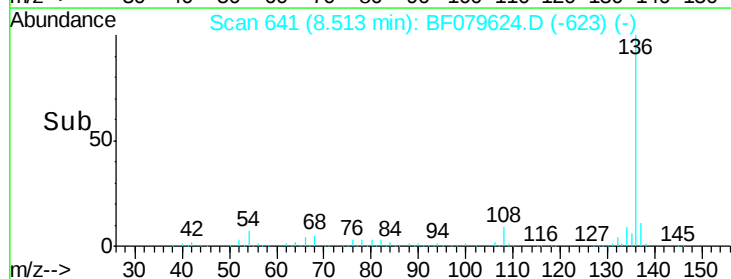
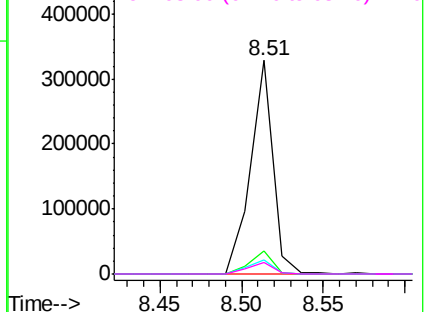


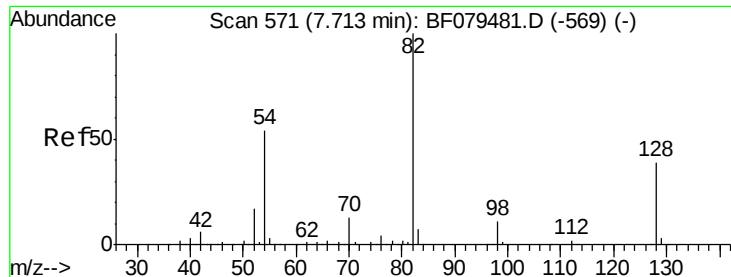
Abundance Ion 136.00 (135.70 to 136.70): E

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

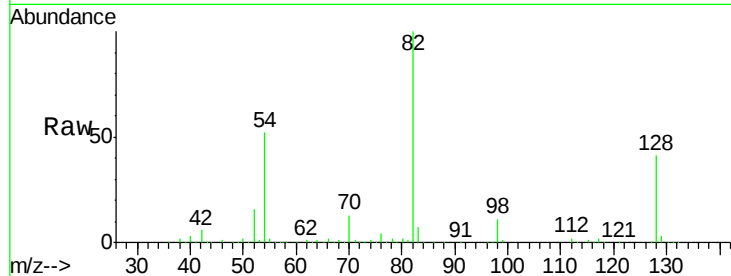




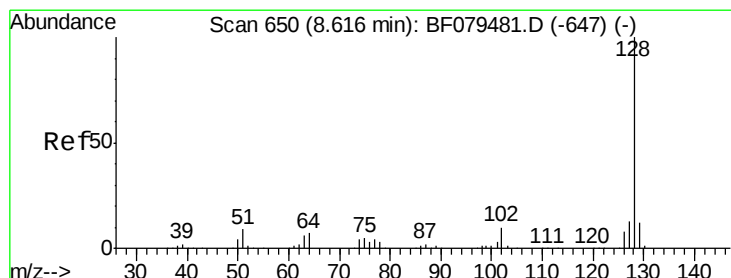
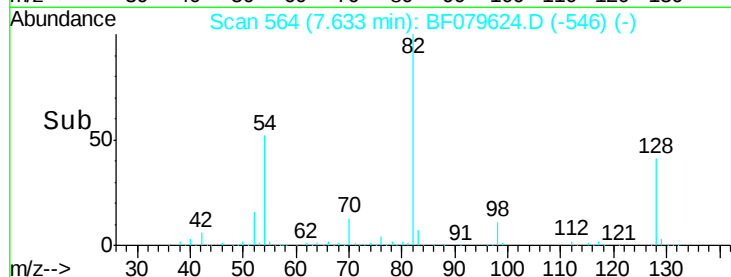
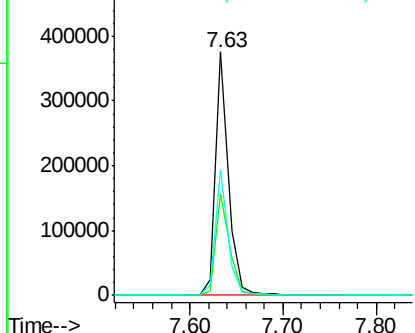
#23  
 Nitrobenzene-d5  
 Concen: 66.48 ng  
 RT: 7.63 min Scan# 564  
 Delta R.T. 0.00 min  
 Lab File: BF079624.D  
 Acq: 31 May 2015 3:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PX4

Tgt Ion: 82 Resp: 360666  
 Ion Ratio Lower Upper  
 82 100  
 128 41.5 30.8 46.2  
 54 51.6 42.8 64.2

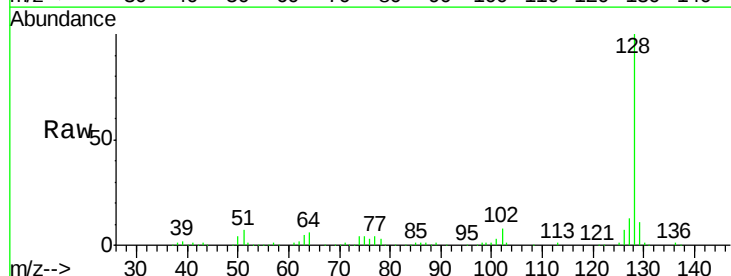


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

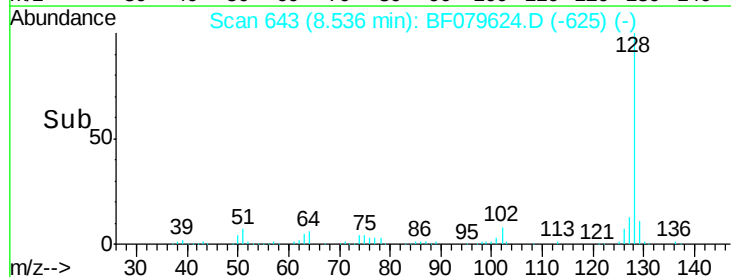
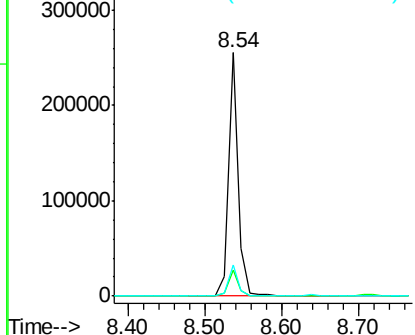


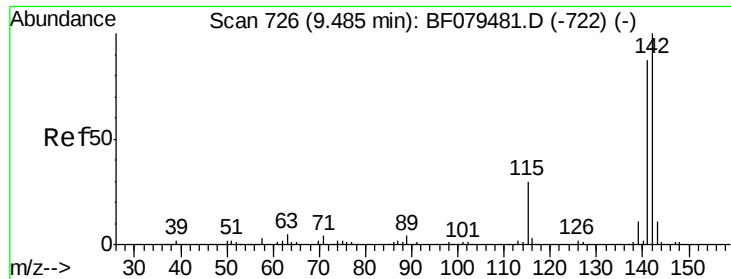
#31  
 Naphthalene  
 Concen: 15.39 ng  
 RT: 8.54 min Scan# 643  
 Delta R.T. 0.00 min  
 Lab File: BF079624.D  
 Acq: 31 May 2015 3:23

Tgt Ion: 128 Resp: 231595  
 Ion Ratio Lower Upper  
 128 100  
 129 10.8 9.3 13.9  
 127 13.0 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 127.00 (126.70 to 127.70): E

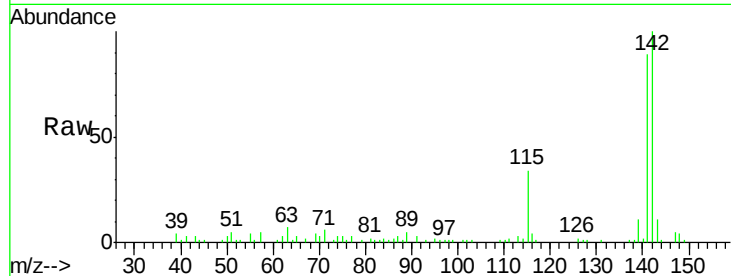




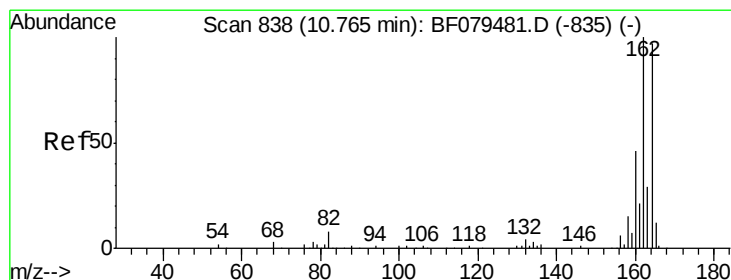
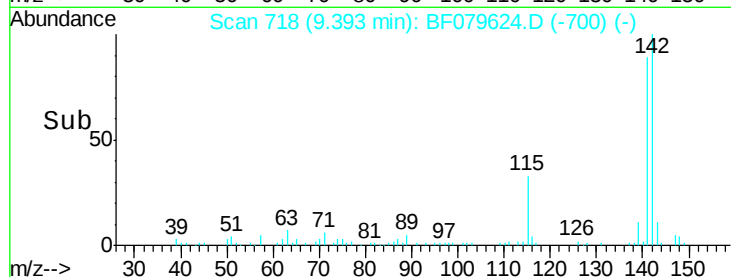
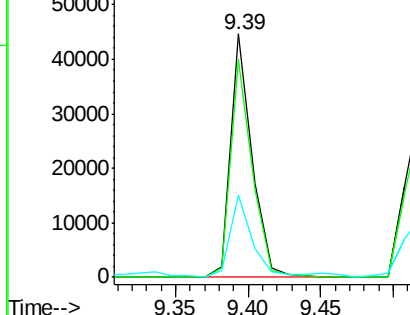
#37  
 2-Methylnaphthalene  
 Concen: 4.36 ng  
 RT: 9.39 min Scan# 718  
 Delta R.T. 0.00 min  
 Lab File: BF079624.D  
 Acq: 31 May 2015 3:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PX4

Tgt Ion:142 Resp: 45576  
 Ion Ratio Lower Upper  
 142 100  
 141 89.3 69.5 104.3  
 115 34.0 23.8 35.6

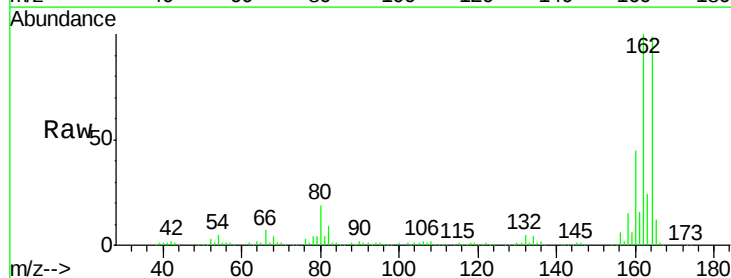


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

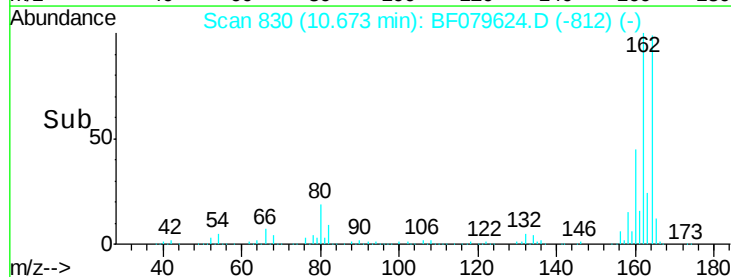
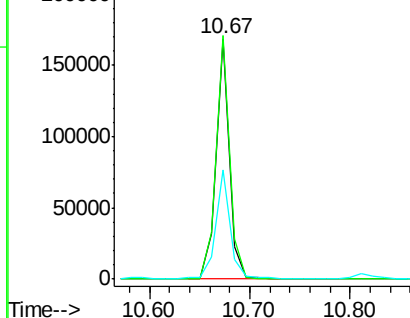


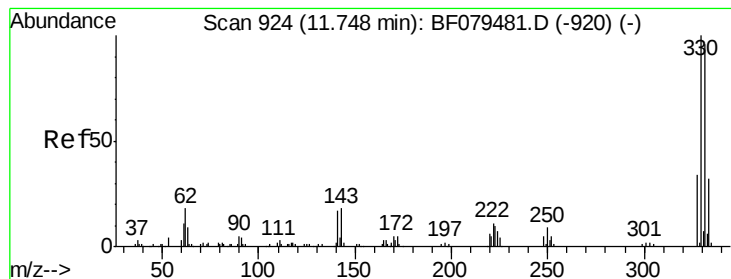
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.67 min Scan# 830  
 Delta R.T. 0.00 min  
 Lab File: BF079624.D  
 Acq: 31 May 2015 3:23

Tgt Ion:164 Resp: 156318  
 Ion Ratio Lower Upper  
 164 100  
 162 101.5 82.6 124.0  
 160 45.5 37.7 56.5



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

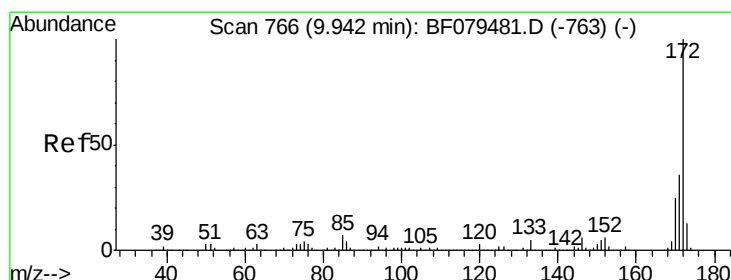
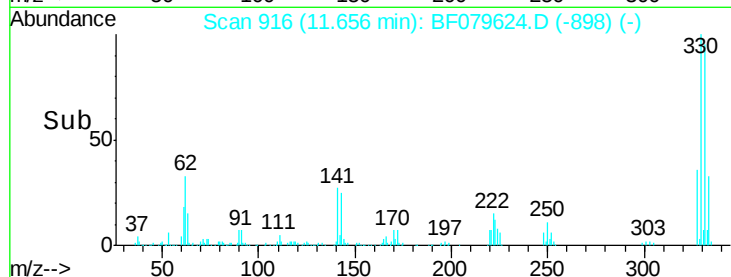
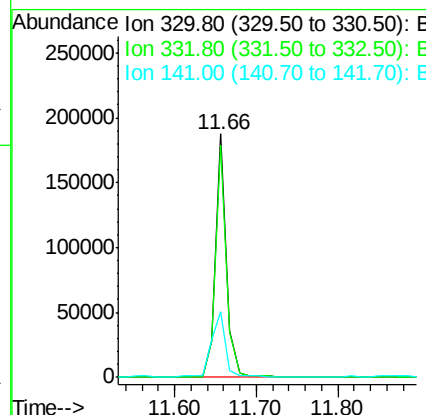
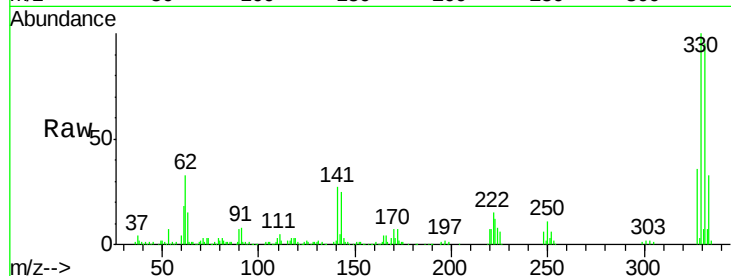




#41  
 2,4,6-Tribromophenol  
 Concen: 104.69 ng  
 RT: 11.66 min Scan# 916  
 Delta R.T. 0.00 min  
 Lab File: BF079624.D  
 Acq: 31 May 2015 3:23

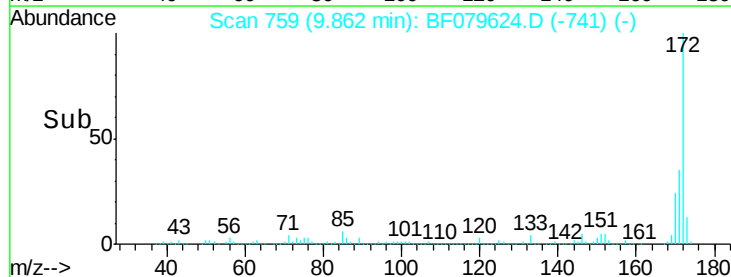
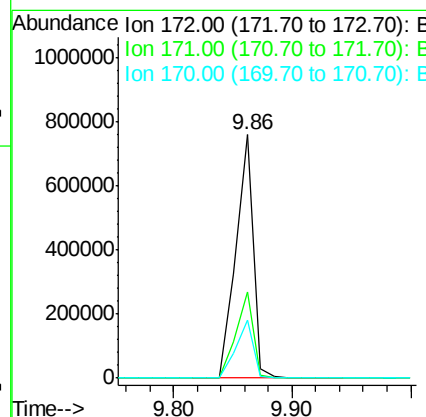
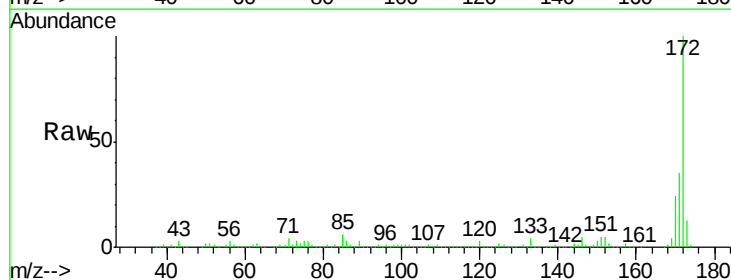
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PX4

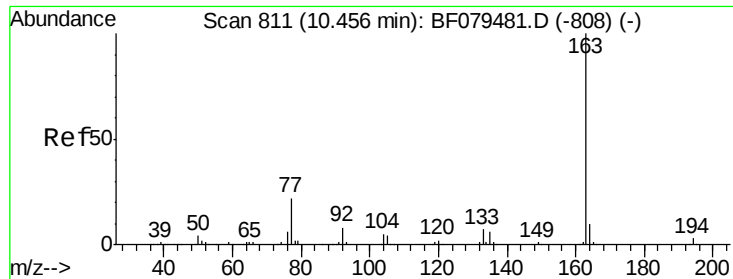
Tgt Ion: 330 Resp: 179745  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 0.0 0.0#  
 141 32.9 0.0 0.0#



#44  
 2-Fluorobiphenyl  
 Concen: 70.46 ng  
 RT: 9.86 min Scan# 759  
 Delta R.T. 0.00 min  
 Lab File: BF079624.D  
 Acq: 31 May 2015 3:23

Tgt Ion: 172 Resp: 771973  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 28.5 42.7  
 170 24.0 19.7 29.5

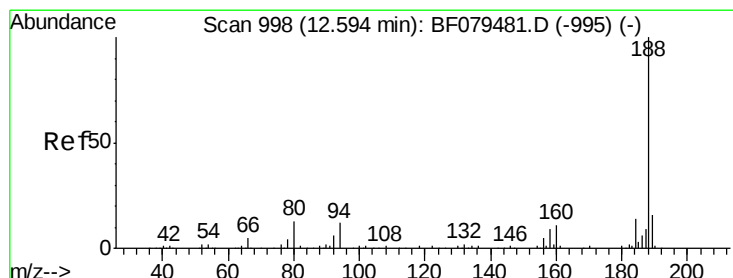
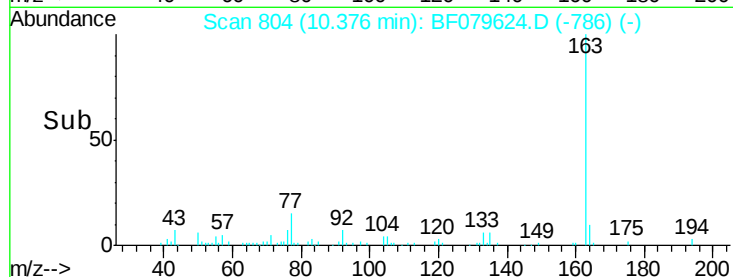
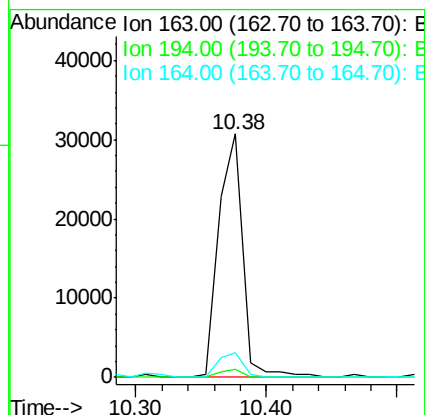
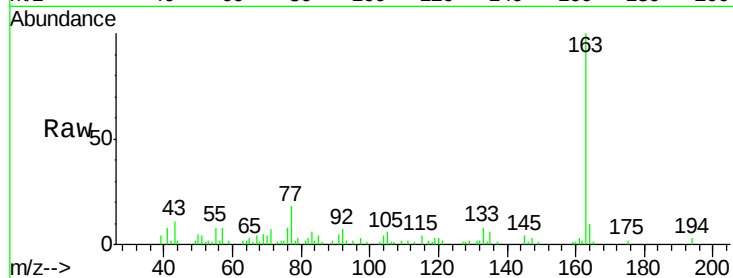




#49  
Dimethylphthalate  
Concen: 3.44 ng  
RT: 10.38 min Scan# 804  
Delta R.T. 0.00 min  
Lab File: BF079624.D  
Acq: 31 May 2015 3:23

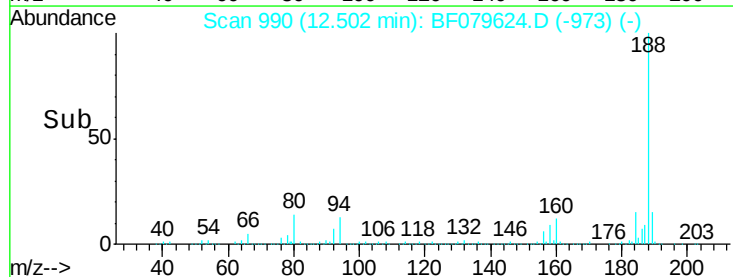
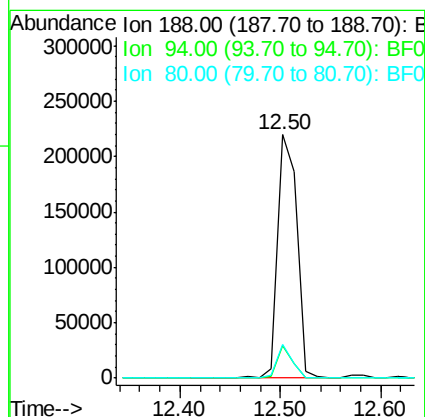
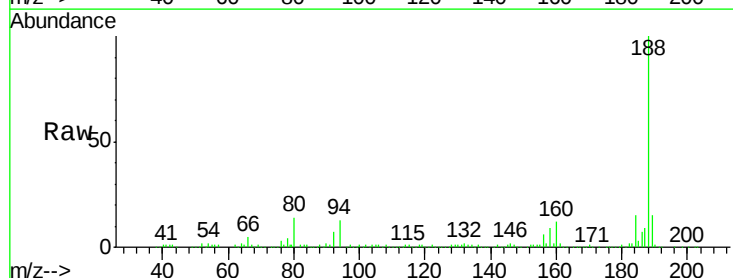
Instrument :  
BNA\_F  
ClientSampleId :  
PX4

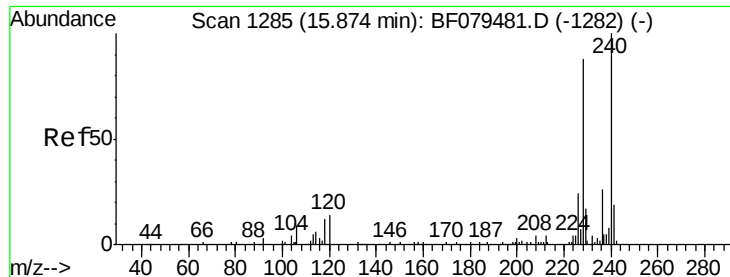
Tgt Ion:163 Resp: 39650  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.4 3.6  
164 10.4 8.2 12.4



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.50 min Scan# 990  
Delta R.T. -0.01 min  
Lab File: BF079624.D  
Acq: 31 May 2015 3:23

Tgt Ion:188 Resp: 293427  
Ion Ratio Lower Upper  
188 100  
94 13.2 9.8 14.6  
80 13.9 10.5 15.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.78 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF079624.D

Acq: 31 May 2015 3:23

Instrument :

BNA\_F

ClientSampleId :

PX4

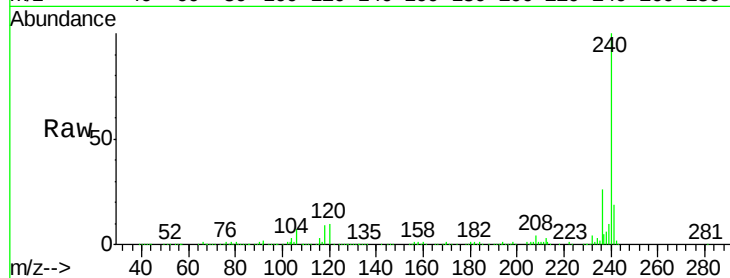
Tgt Ion:240 Resp: 312967

Ion Ratio Lower Upper

240 100

120 10.3 10.8 16.2#

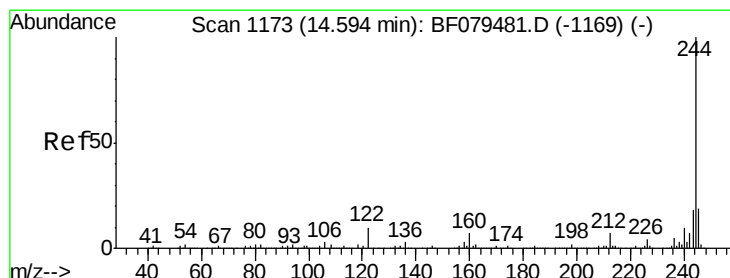
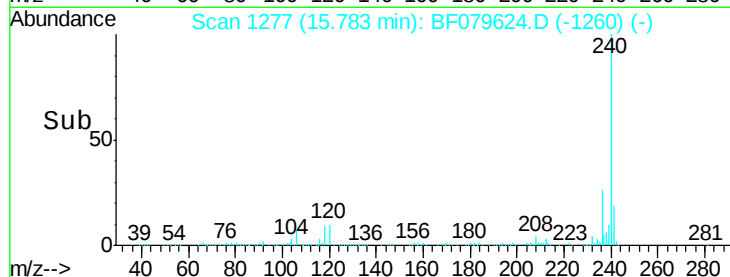
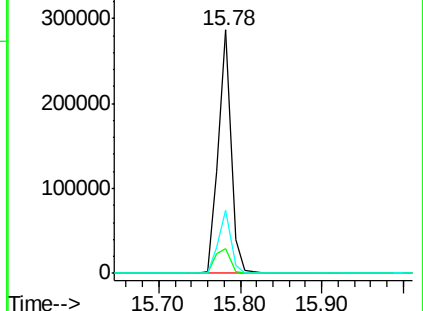
236 25.9 21.0 31.6



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: 61.46 ng

RT: 14.50 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BF079624.D

Acq: 31 May 2015 3:23

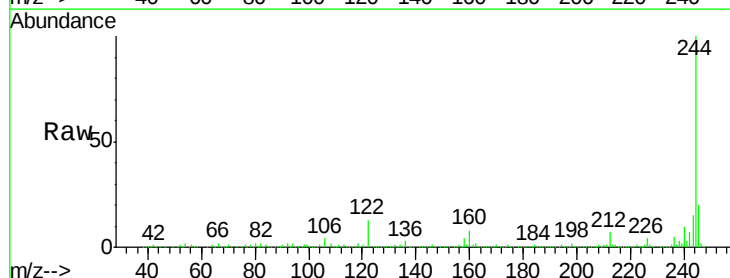
Tgt Ion:244 Resp: 819617

Ion Ratio Lower Upper

244 100

212 7.0 5.2 7.8

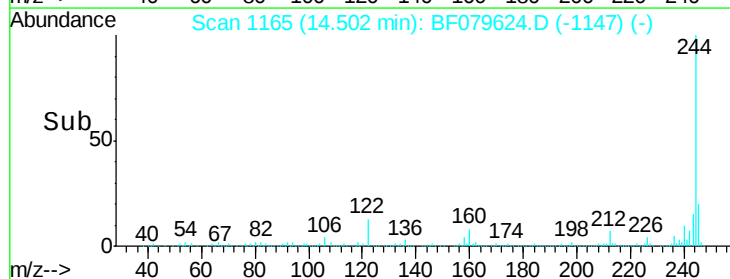
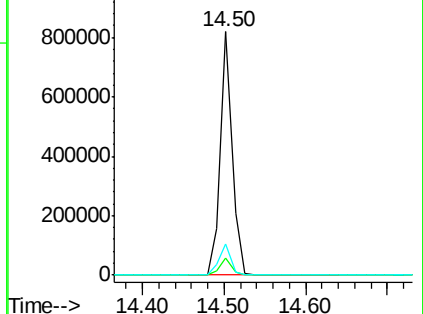
122 12.9 8.0 12.0#

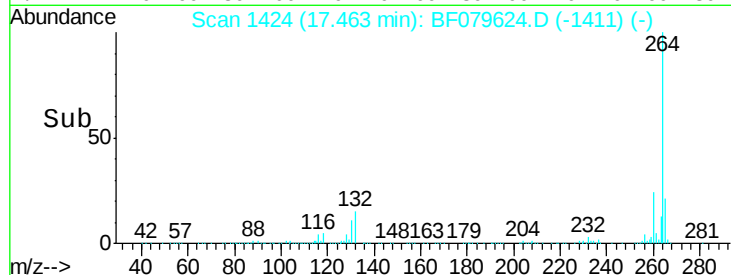
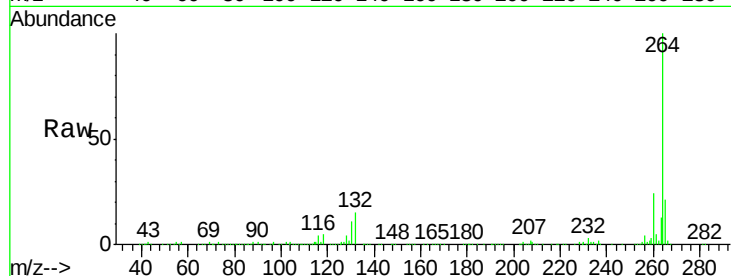
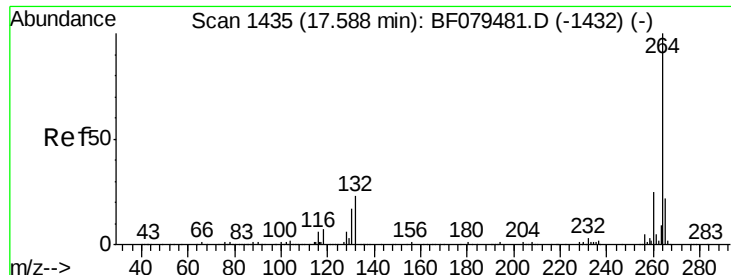


Abundance Ion 244.00 (243.70 to 244.70): E

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: 17.46 min Scan# 1424  
Delta R.T. -0.06 min  
Lab File: BF079624.D  
Acq: 31 May 2015 3:23

Instrument :  
BNA\_F  
ClientSampleId :  
PX4

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 306442 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.2  | 19.8  | 29.8   |
| 265      | 21.4  | 17.8  | 26.6   |

