

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012015\  
 Data File : BF076975.D  
 Acq On : 20 Jan 2015 22:30  
 Operator : IZ / TP  
 Sample : G1110-12  
 Misc : W  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MPE-1

Quant Time: Jan 21 01:25:04 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 21 01:04:46 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.91  | 152  | 31568    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.81 | 136  | 131490   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.95 | 164  | 69761    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.73 | 188  | 113962   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.24 | 240  | 111359   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 22.87 | 264  | 99088    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.96  | 112  | 107103   | 55.78  | ng    | 0.00     |
| 7) Phenol-d6                | 7.32  | 99   | 78314    | 32.33  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 208408   | 87.81  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.63 | 330  | 80844    | 142.77 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.48 | 172  | 435657   | 95.04  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.97 | 244  | 376150   | 77.76  | ng    | 0.00     |

Target Compounds Qvalue

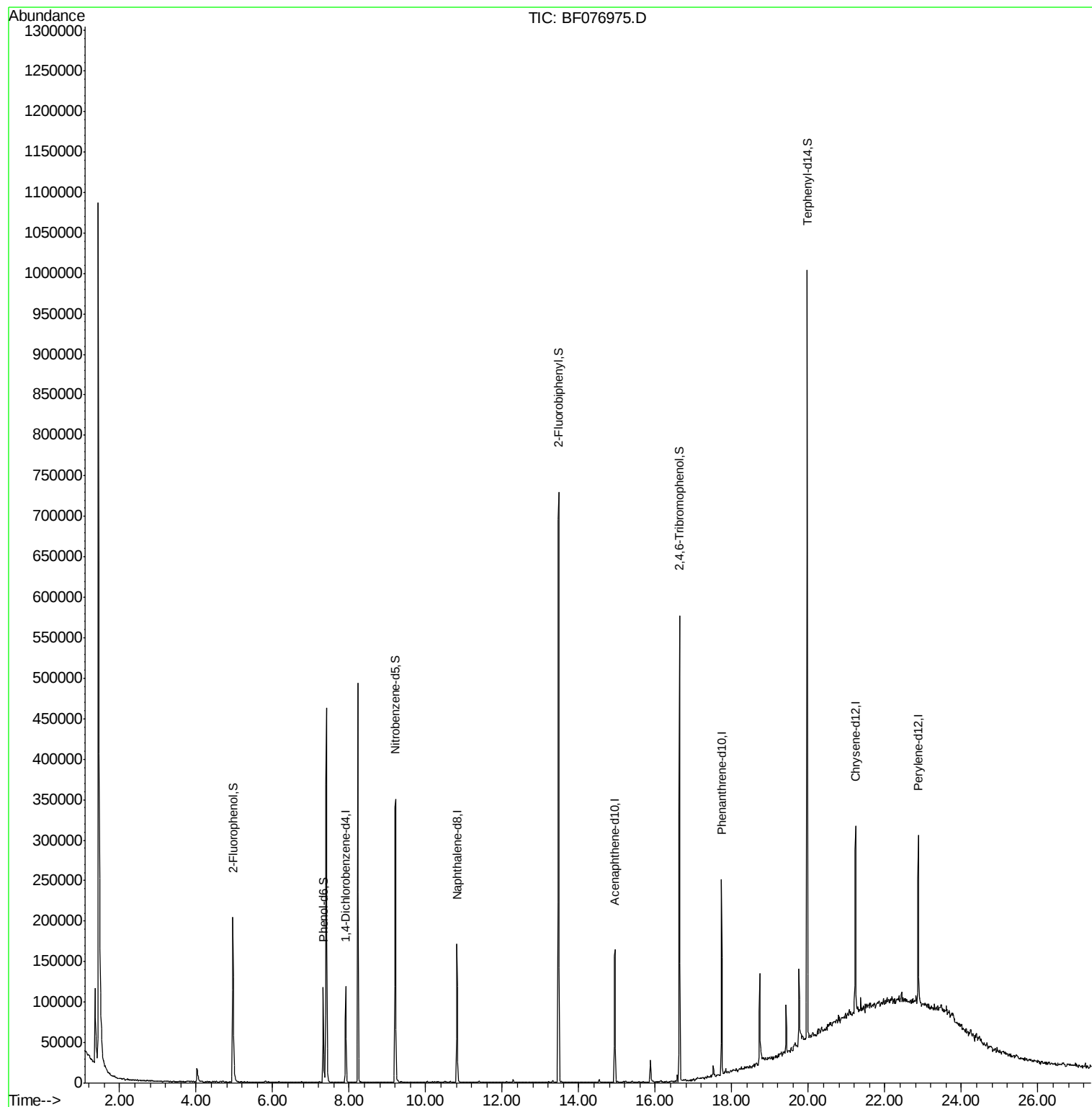
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.91 min Scan# 597

Delta R.T. -0.00 min

Lab File: BF076975.D

Acq: 20 Jan 2015 22:30

Instrument :

BNA\_F

ClientSampleId :

MPE-1

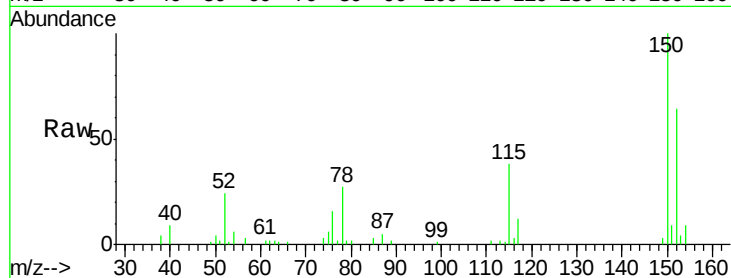
Tot Ion:152 Resp: 31568

Ion Ratio Lower Upper

152 100

150 157.4 121.7 182.5

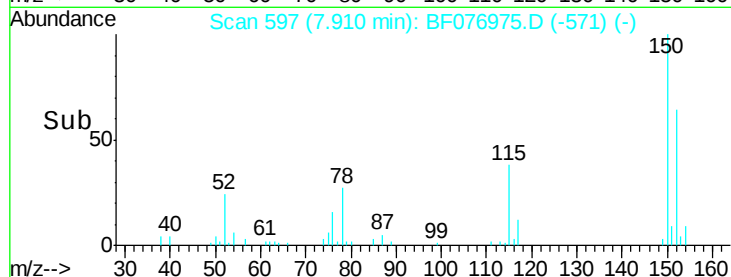
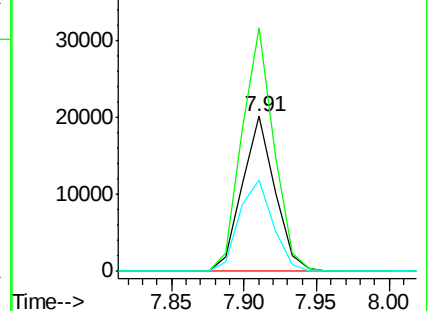
115 59.4 47.0 70.6



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: 55.78 ng

RT: 4.96 min Scan# 339

Delta R.T. -0.00 min

Lab File: BF076975.D

Acq: 20 Jan 2015 22:30

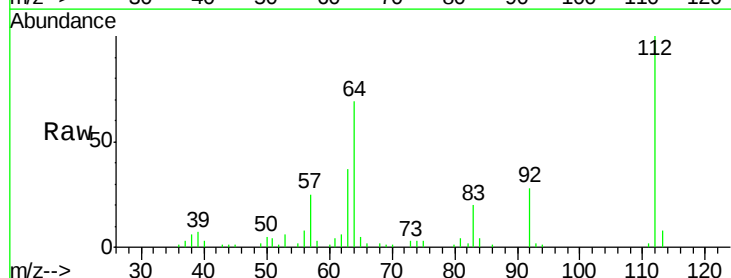
Tgt Ion:112 Resp: 107103

Ion Ratio Lower Upper

112 100

64 68.5 54.2 81.4

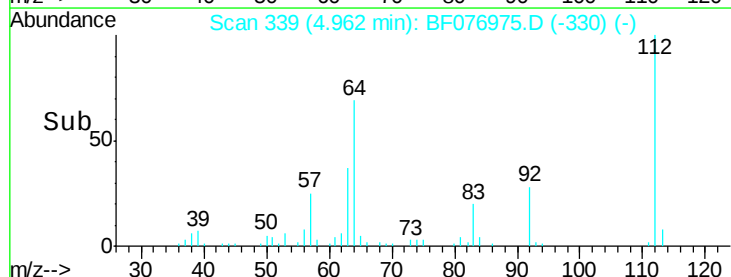
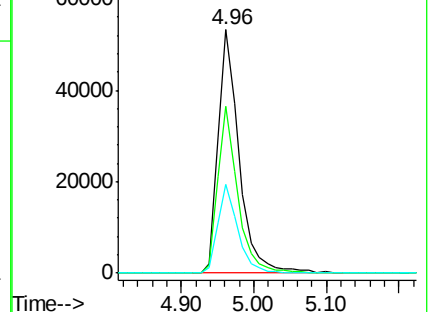
63 36.6 28.4 42.6



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: 32.33 ng

RT: 7.32 min Scan# 545

Delta R.T. -0.00 min

Lab File: BF076975.D

Acq: 20 Jan 2015 22:30

Instrument :

BNA\_F

ClientSampled :

MPE-1

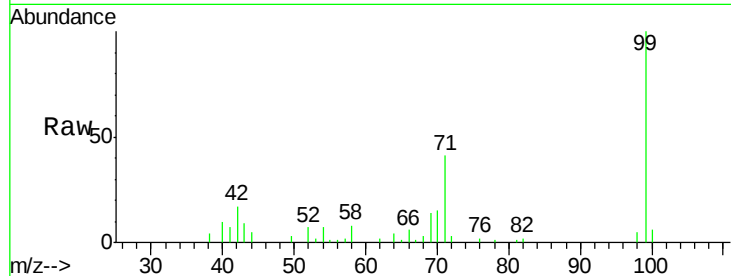
Tot Ion: 99 Resp: 78314

Ion Ratio Lower Upper

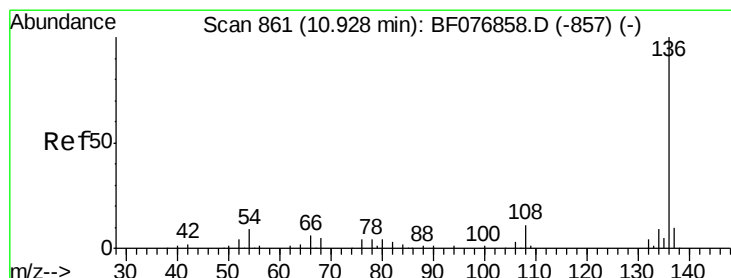
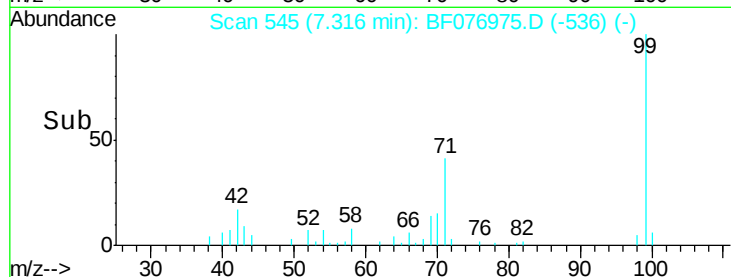
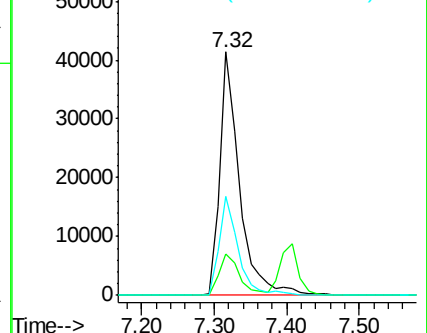
99 100

42 17.2 15.0 22.4

71 40.5 30.5 45.7



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: 10.81 min Scan# 851

Delta R.T. -0.01 min

Lab File: BF076975.D

Acq: 20 Jan 2015 22:30

Tgt Ion: 136 Resp: 131490

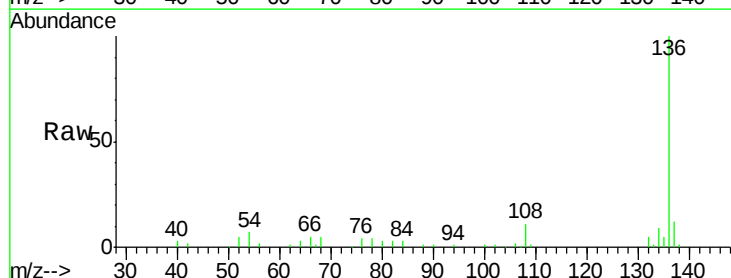
Ion Ratio Lower Upper

136 100

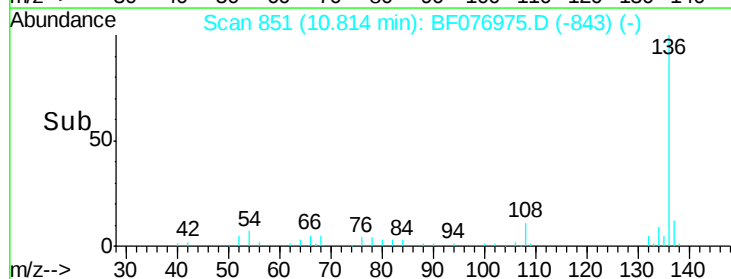
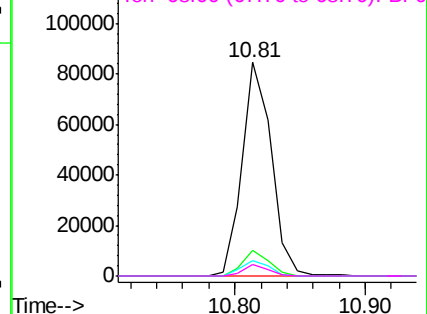
137 11.8 8.1 12.1

54 7.5 7.0 10.4

68 5.3 3.7 5.5



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

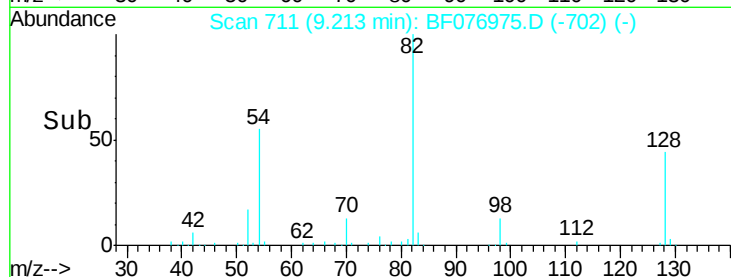
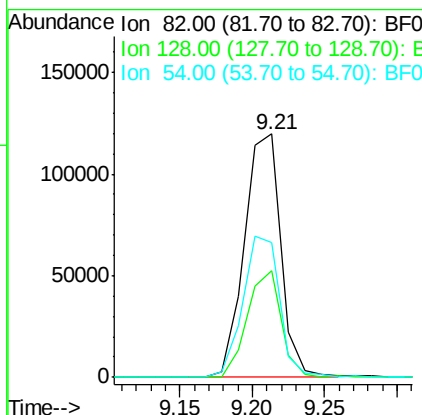
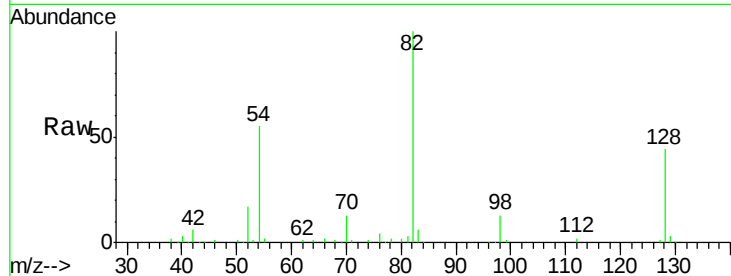




#23  
 Nitrobenzene-d5  
 Concen: 87.81 ng  
 RT: 9.21 min Scan# 711  
 Delta R.T. -0.00 min  
 Lab File: BF076975.D  
 Acq: 20 Jan 2015 22:30

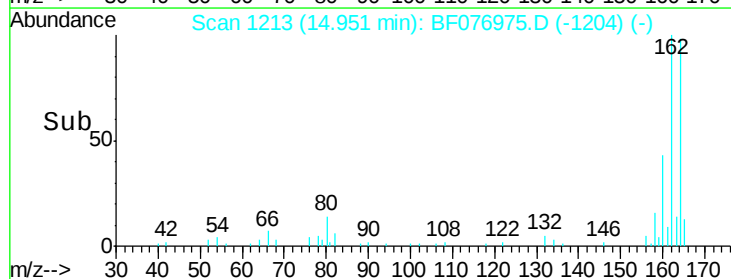
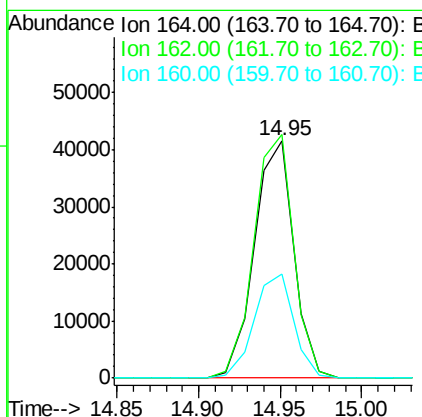
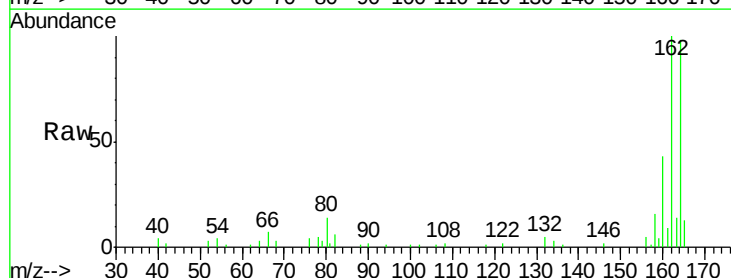
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MPE-1

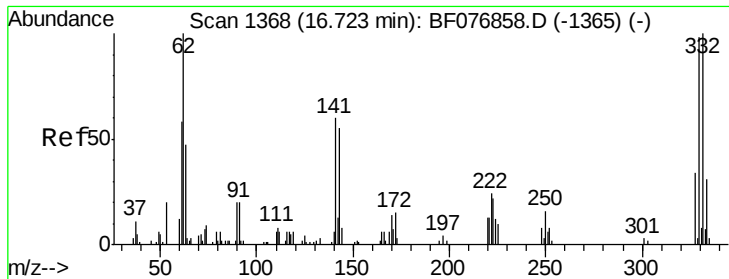
Tot Ion: 82 Resp: 208408  
 Ion Ratio Lower Upper  
 82 100  
 128 44.0 33.1 49.7  
 54 55.5 48.3 72.5



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.95 min Scan# 1213  
 Delta R.T. -0.00 min  
 Lab File: BF076975.D  
 Acq: 20 Jan 2015 22:30

Tgt Ion:164 Resp: 69761  
 Ion Ratio Lower Upper  
 164 100  
 162 102.5 82.4 123.6  
 160 43.8 34.8 52.2

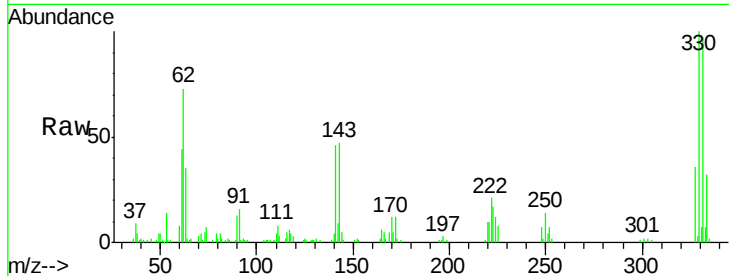




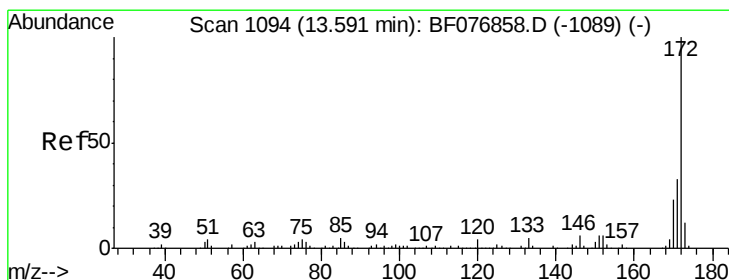
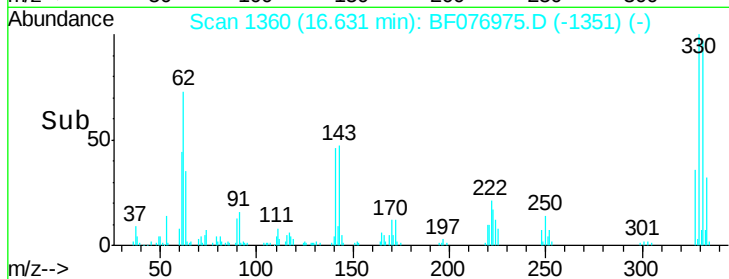
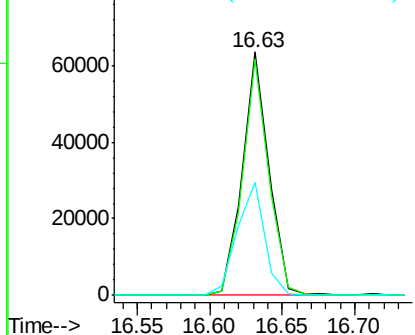
#41  
 2,4,6-Tribromophenol  
 Concen: 142.77 ng  
 RT: 16.63 min Scan# 1360  
 Delta R.T. -0.00 min  
 Lab File: BF076975.D  
 Acq: 20 Jan 2015 22:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MPE-1

Tot Ion:330 Resp: 80844  
 Ion Ratio Lower Upper  
 330 100  
 332 94.9 77.8 116.6  
 141 47.9 38.5 57.7

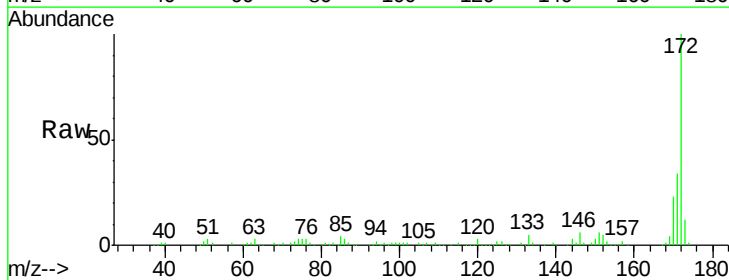


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

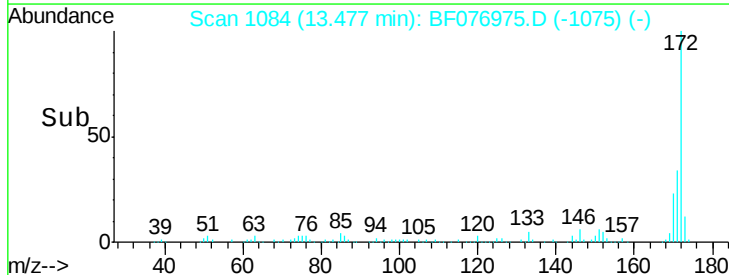
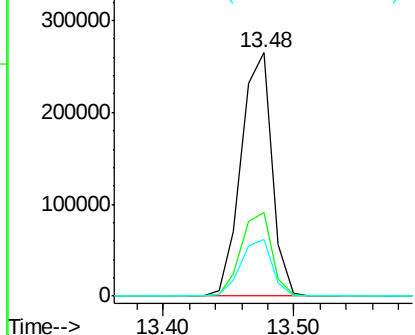


#44  
 2-Fluorobiphenyl  
 Concen: 95.04 ng  
 RT: 13.48 min Scan# 1084  
 Delta R.T. -0.00 min  
 Lab File: BF076975.D  
 Acq: 20 Jan 2015 22:30

Tgt Ion:172 Resp: 435657  
 Ion Ratio Lower Upper  
 172 100  
 171 34.3 26.6 40.0  
 170 23.3 18.0 27.0



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

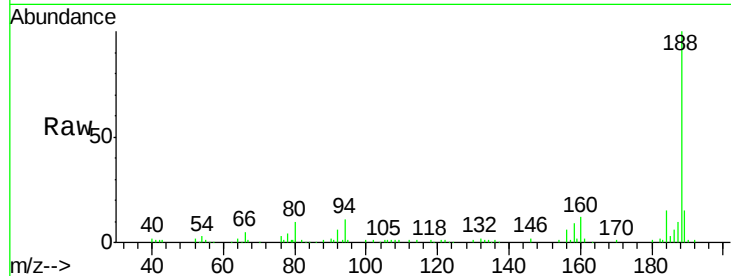




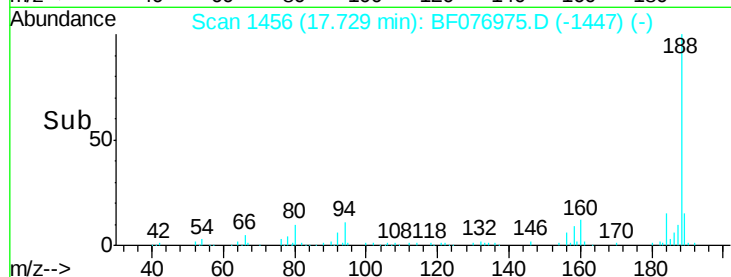
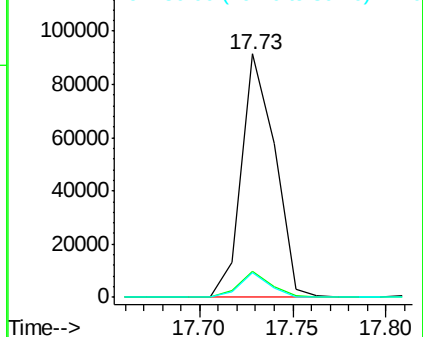
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.73 min Scan# 1456  
Delta R.T. -0.00 min  
Lab File: BF076975.D  
Acq: 20 Jan 2015 22:30

Instrument :  
BNA\_F  
ClientSampleId :  
MPE-1

Tot Ion:188 Resp: 113962  
Ion Ratio Lower Upper  
188 100  
94 12.1 6.0 9.0#  
80 10.1 6.9 10.3

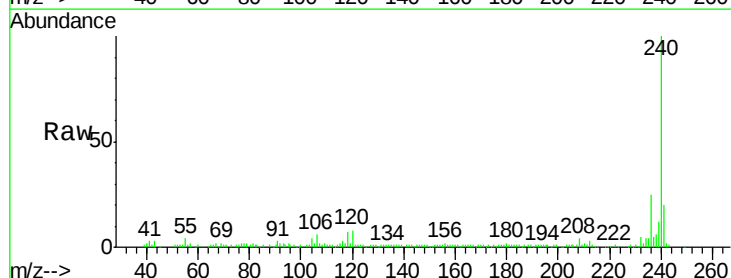


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

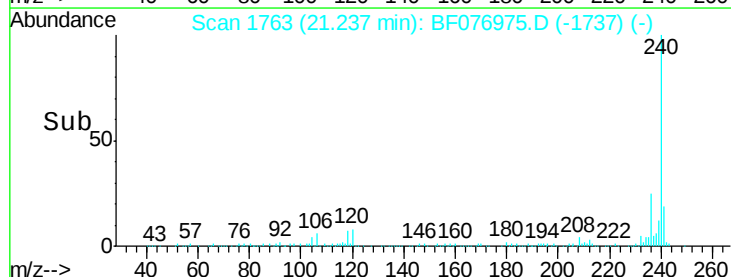
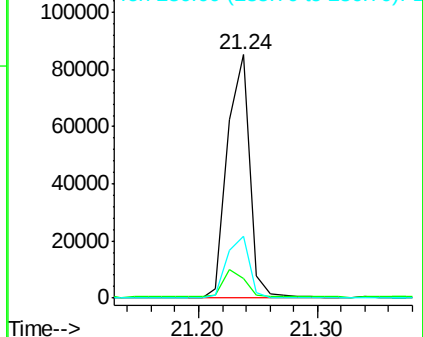


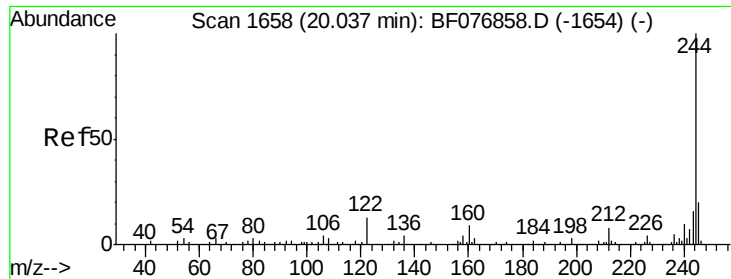
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.24 min Scan# 1763  
Delta R.T. -0.00 min  
Lab File: BF076975.D  
Acq: 20 Jan 2015 22:30

Tgt Ion:240 Resp: 111359  
Ion Ratio Lower Upper  
240 100  
120 8.0 10.4 15.6#  
236 25.4 20.2 30.2



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: 77.76 ng

RT: 19.97 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BF076975.D

Acq: 20 Jan 2015 22:30

Instrument :

BNA\_F

ClientSampleId :

MPE-1

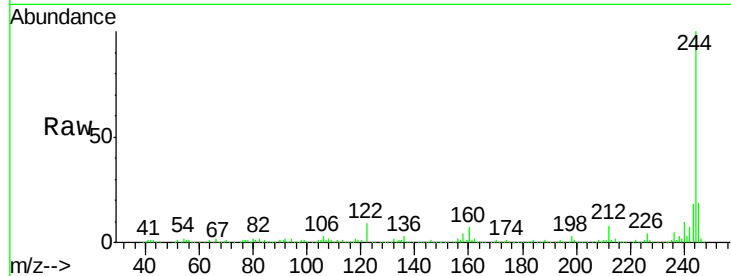
Tot Ion:244 Resp: 376150

Ion Ratio Lower Upper

244 100

212 7.5 6.3 9.5

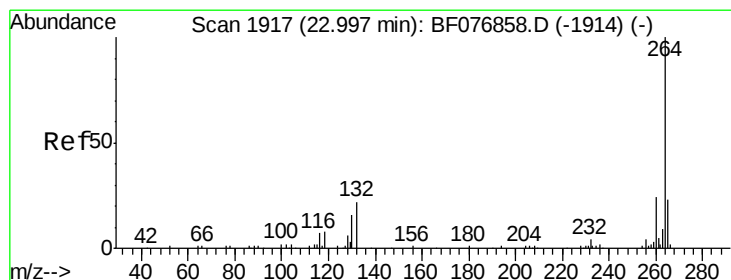
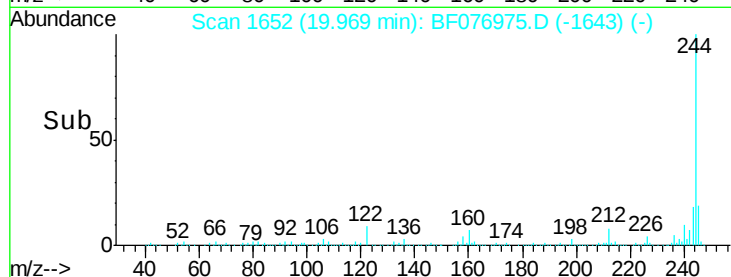
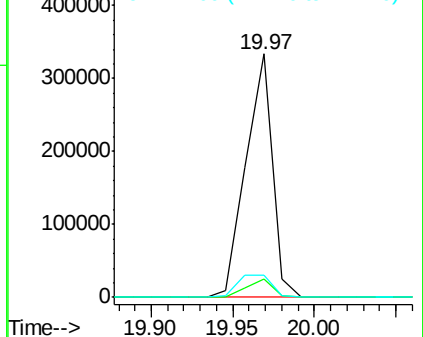
122 9.3 10.1 15.1#



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: 22.87 min Scan# 1906

Delta R.T. -0.00 min

Lab File: BF076975.D

Acq: 20 Jan 2015 22:30

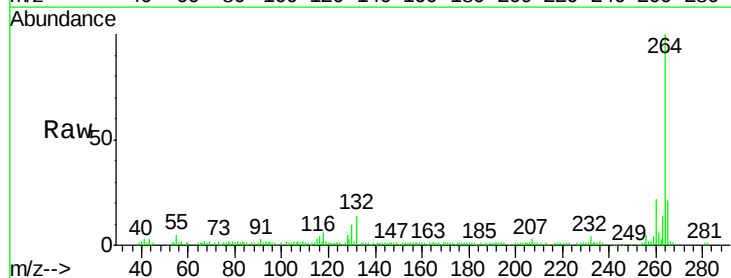
Tgt Ion:264 Resp: 99088

Ion Ratio Lower Upper

264 100

260 22.3 19.0 28.4

265 21.1 18.1 27.1



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

