

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021015\  
 Data File : BF077243.D  
 Acq On : 10 Feb 2015 19:50  
 Operator : TP/IZ  
 Sample : G1254-06  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UB11B

Quant Time: Feb 11 03:00:49 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 10 13:30:38 2015  
 Response via : Initial Calibration

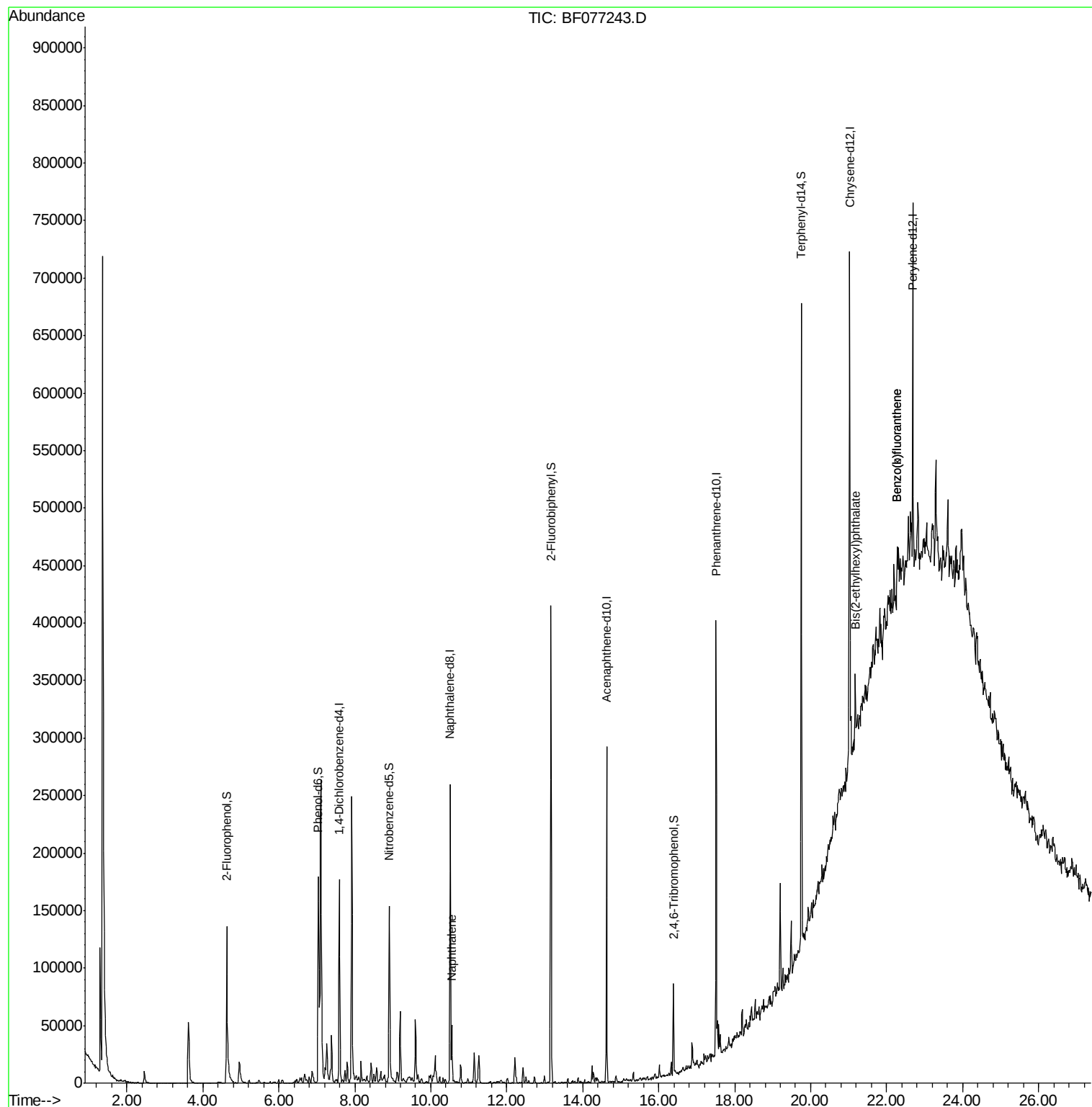
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.60  | 152  | 46374    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.51 | 136  | 202460   | 20.00     | ng    | 0.01     |
| 38) Acenaphthene-d10           | 14.63 | 164  | 112833   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.51 | 188  | 182966   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 21.03 | 240  | 162653   | 20.00     | ng    | 0.01     |
| 86) Perylene-d12               | 22.69 | 264  | 148896   | 20.00     | ng    | 0.03     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 4.62  | 112  | 106922   | 37.91     | ng    | 0.03     |
| 7) Phenol-d6                   | 7.04  | 99   | 162945   | 45.80     | ng    | 0.02     |
| 23) Nitrobenzene-d5            | 8.90  | 82   | 90655    | 24.81     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.39 | 330  | 12684    | 13.85     | ng    | 0.01     |
| 44) 2-Fluorobiphenyl           | 13.16 | 172  | 222409   | 30.00     | ng    | 0.00     |
| 78) Terphenyl-d14              | 19.76 | 244  | 203520   | 28.81     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.54  | 77   | 751      | Below Cal |       | Qvalue   |
| 31) Naphthalene                | 10.56 | 128  | 39423    | 3.78 ng   | #     | 1        |
| 83) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 20690    | 2.96 ng   |       | 99       |
| 87) Benzo(b)fluoranthene       | 22.27 | 252  | 24173    | 2.41 ng   | #     | 95       |
| 88) Benzo(k)fluoranthene       | 22.27 | 252  | 24173    | 2.76 ng   | #     | 65       |

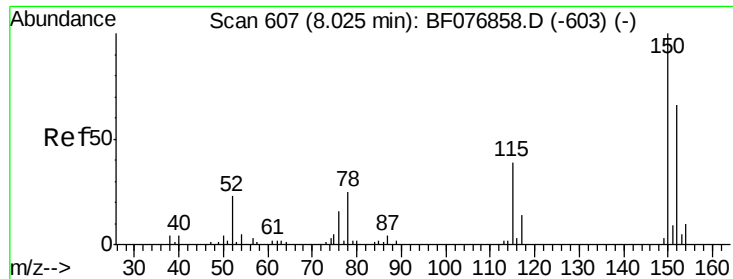
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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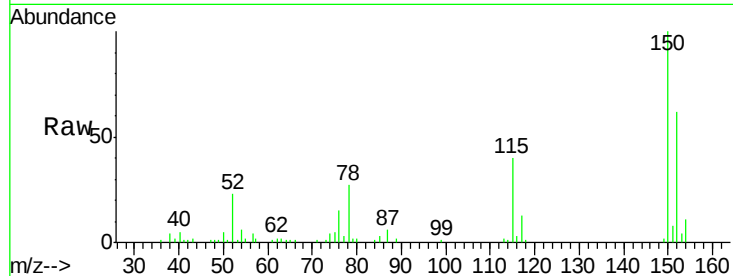


#1

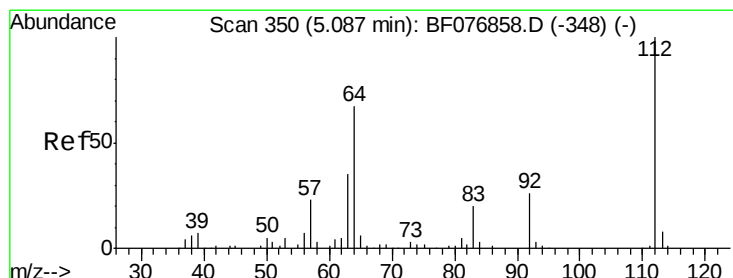
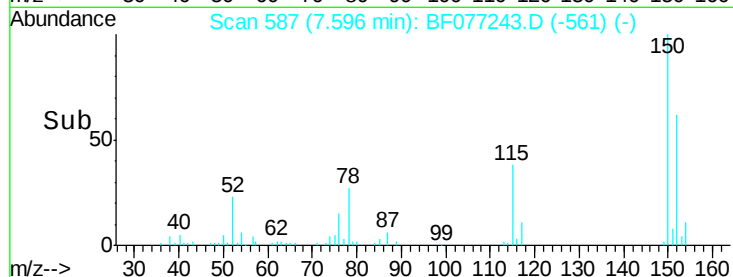
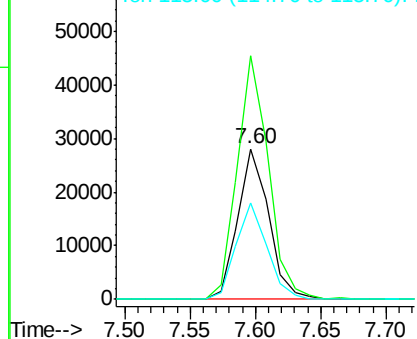
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.60 min Scan# 587  
Delta R.T. 0.00 min  
Lab File: BF077243.D  
Acq: 10 Feb 2015 19:50

Instrument :  
BNA\_F  
ClientSampleId :  
UB11B

Tgt Ion:152 Resp: 46374  
Ion Ratio Lower Upper  
152 100  
150 161.5 121.7 182.5  
115 64.1 47.0 70.6



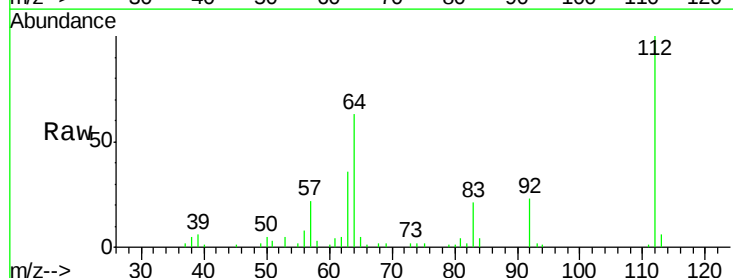
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



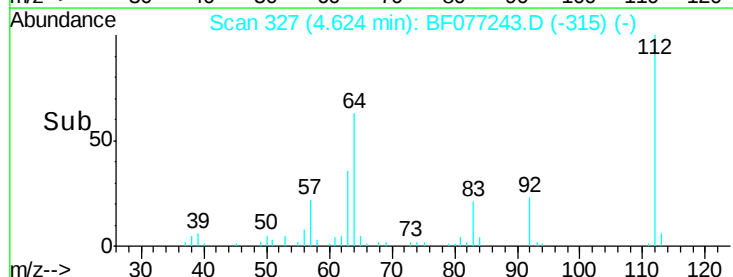
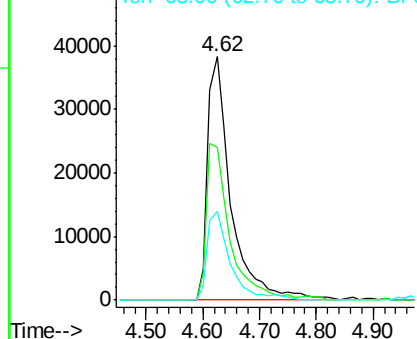
#5

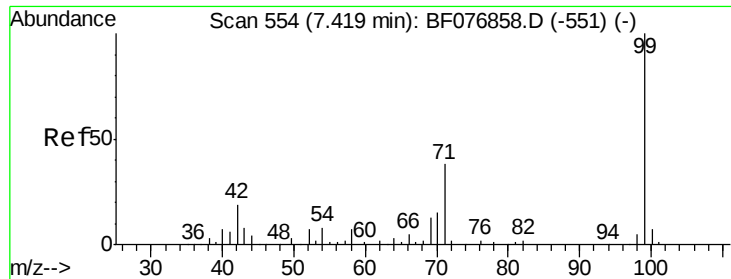
2-Fluorophenol  
Concen: 37.91 ng  
RT: 4.62 min Scan# 327  
Delta R.T. 0.03 min  
Lab File: BF077243.D  
Acq: 10 Feb 2015 19:50

Tgt Ion:112 Resp: 106922  
Ion Ratio Lower Upper  
112 100  
64 62.7 54.2 81.4  
63 36.4 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: 45.80 ng

RT: 7.04 min Scan# 538

Delta R.T. 0.02 min

Lab File: BF077243.D

Acq: 10 Feb 2015 19:50

Instrument :

BNA\_F

ClientSampleId :

UB11B

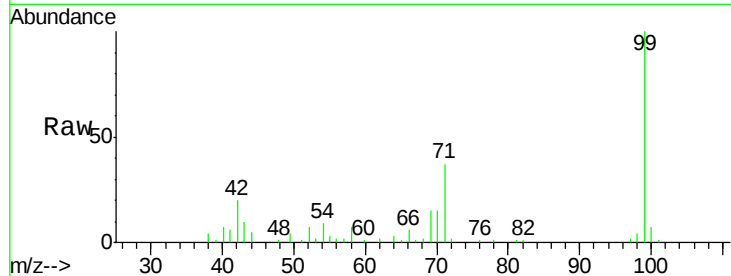
Tgt Ion: 99 Resp: 162945

Ion Ratio Lower Upper

99 100

42 20.0 15.0 22.4

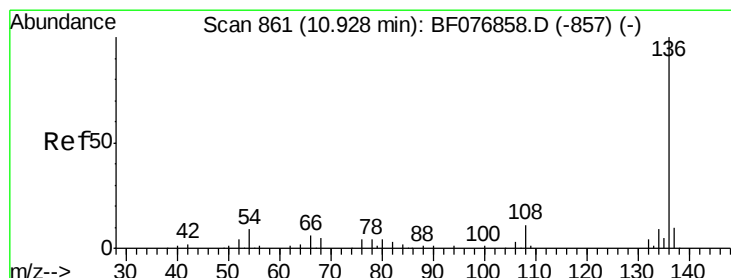
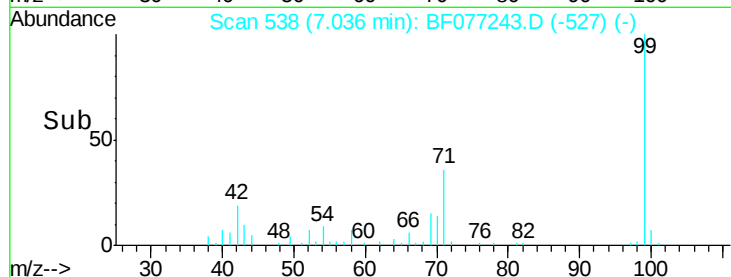
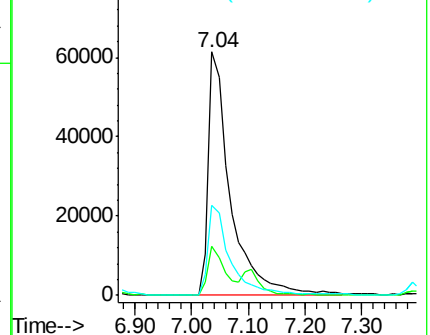
71 37.0 30.5 45.7



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: 10.51 min Scan# 842

Delta R.T. 0.01 min

Lab File: BF077243.D

Acq: 10 Feb 2015 19:50

Tgt Ion: 136 Resp: 202460

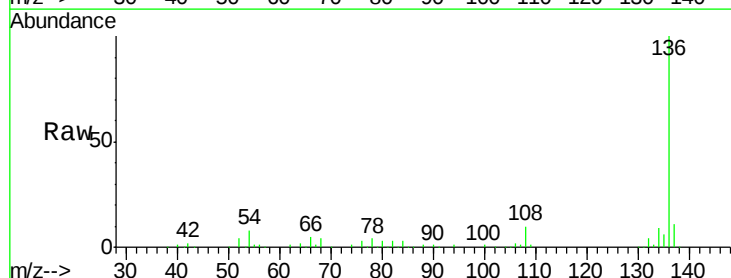
Ion Ratio Lower Upper

136 100

137 11.0 8.1 12.1

54 7.6 7.0 10.4

68 4.1 3.7 5.5

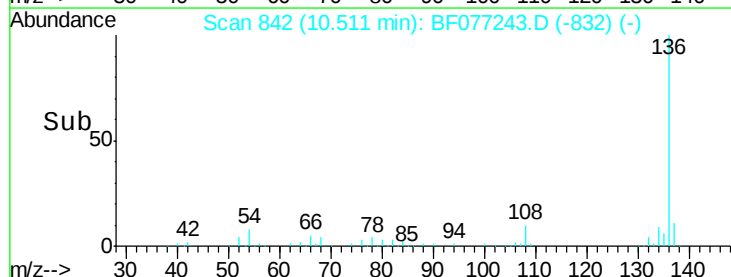
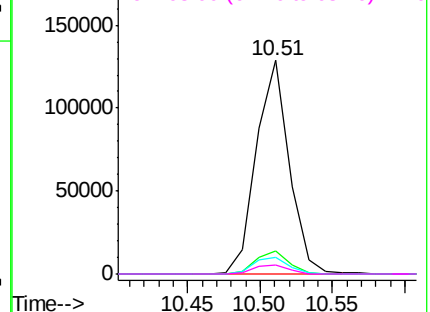


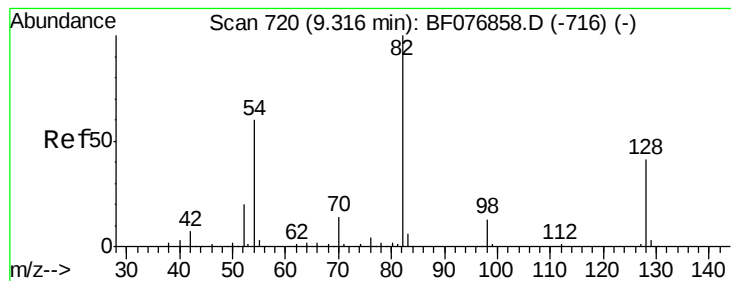
Abundance Ion 136.00 (135.70 to 136.70): E

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: 24.81 ng

RT: 8.90 min Scan# 701

Delta R.T. 0.00 min

Lab File: BF077243.D

Acq: 10 Feb 2015 19:50

Instrument :

BNA\_F

ClientSampleId :

UB11B

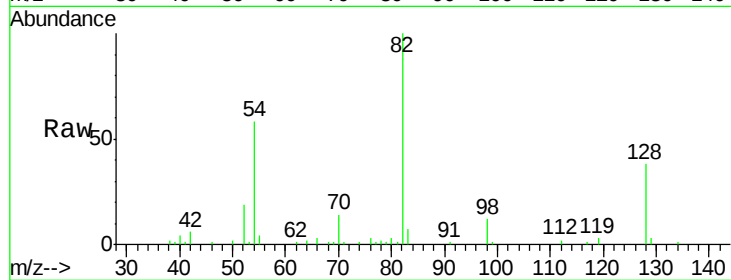
Tgt Ion: 82 Resp: 90655

Ion Ratio Lower Upper

82 100

128 38.0 33.1 49.7

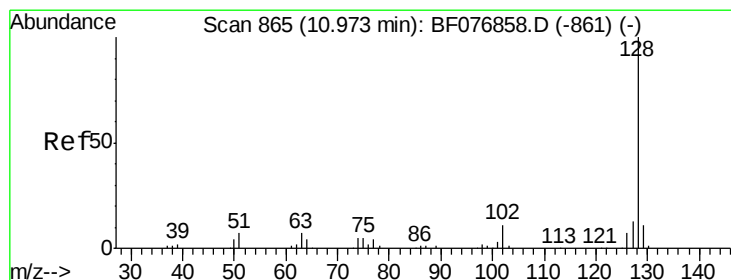
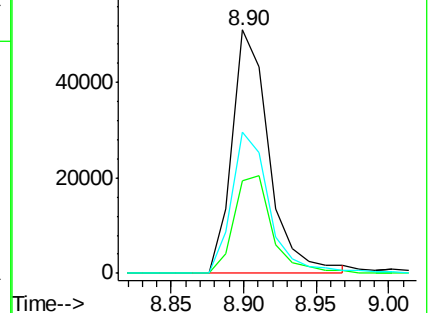
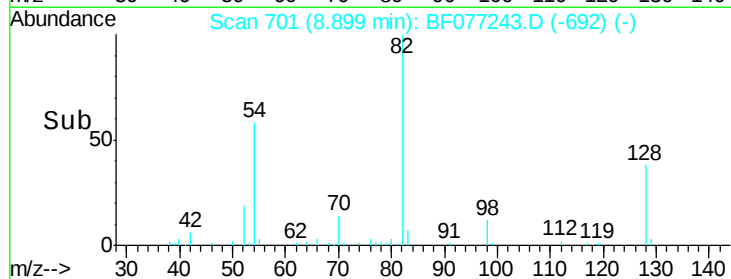
54 58.2 48.3 72.5



Abundance Ion 82.00 (81.70 to 82.70): BF076858.D (-716) (-)

Ion 128.00 (127.70 to 128.70): BF076858.D (-716) (-)

Ion 54.00 (53.70 to 54.70): BF076858.D (-716) (-)



#31

Naphthalene

Concen: 3.78 ng

RT: 10.56 min Scan# 846

Delta R.T. 0.01 min

Lab File: BF077243.D

Acq: 10 Feb 2015 19:50

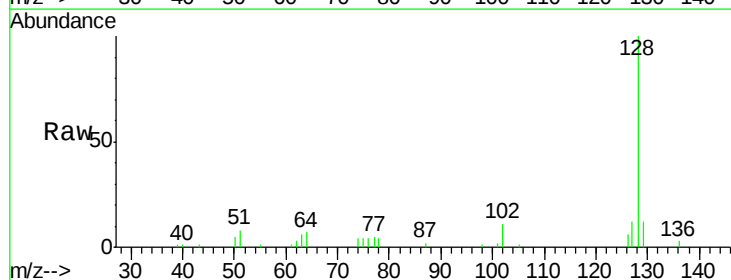
Tgt Ion: 128 Resp: 39423

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

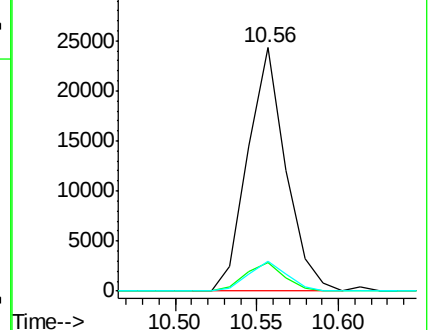
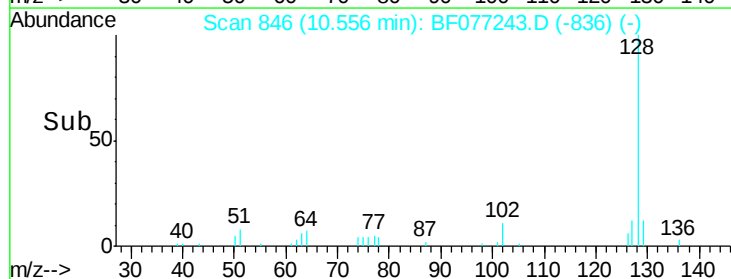
127 12.5 10.2 15.2

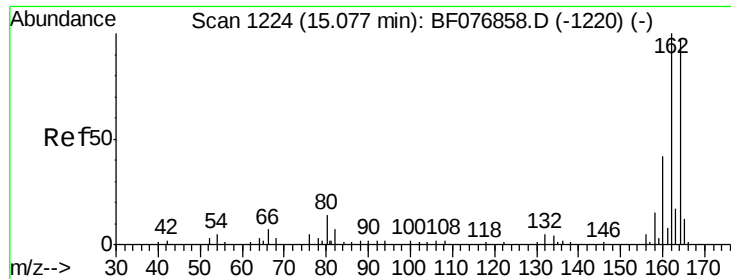


Abundance Ion 128.00 (127.70 to 128.70): BF076858.D (-861) (-)

Ion 129.00 (128.70 to 129.70): BF076858.D (-861) (-)

Ion 127.00 (126.70 to 127.70): BF076858.D (-861) (-)





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.63 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BF077243.D

Acq: 10 Feb 2015 19:50

Instrument :

BNA\_F

ClientSampleId :

UB11B

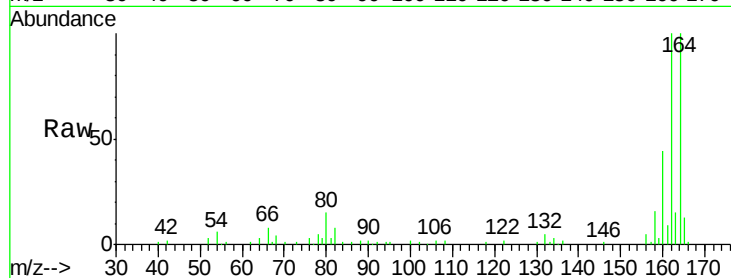
Tgt Ion:164 Resp: 112833

Ion Ratio Lower Upper

164 100

162 99.9 82.4 123.6

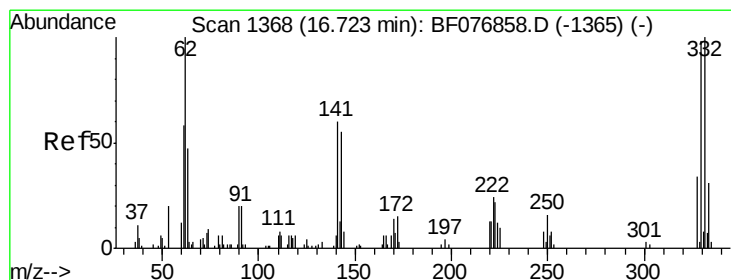
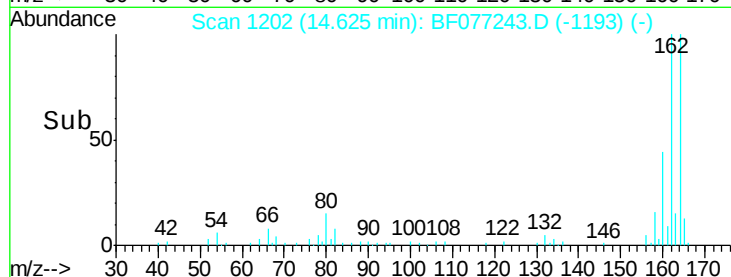
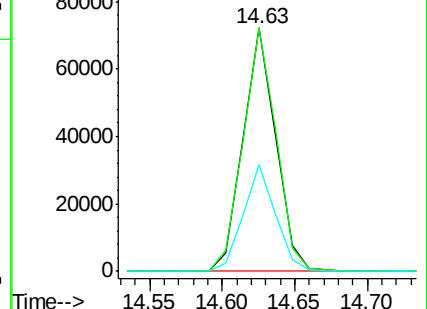
160 43.8 34.8 52.2



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: 13.85 ng

RT: 16.39 min Scan# 1356

Delta R.T. 0.01 min

Lab File: BF077243.D

Acq: 10 Feb 2015 19:50

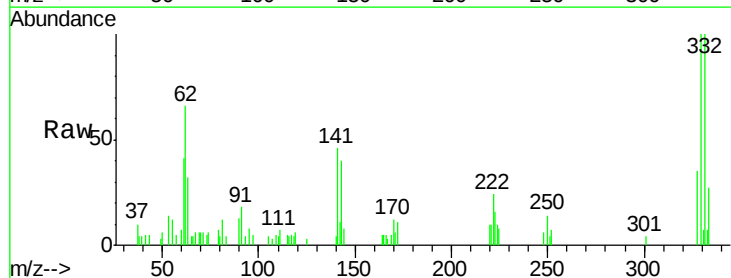
Tgt Ion:330 Resp: 12684

Ion Ratio Lower Upper

330 100

332 94.7 77.8 116.6

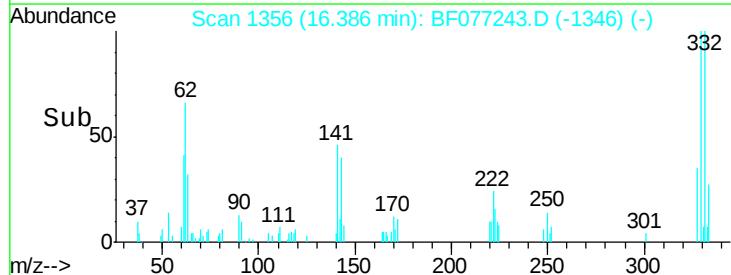
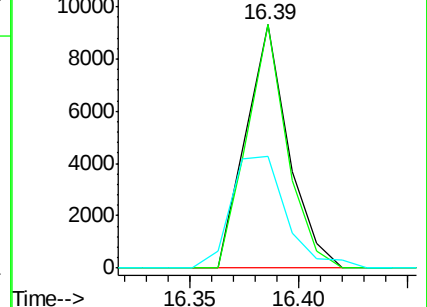
141 60.0 38.5 57.7#

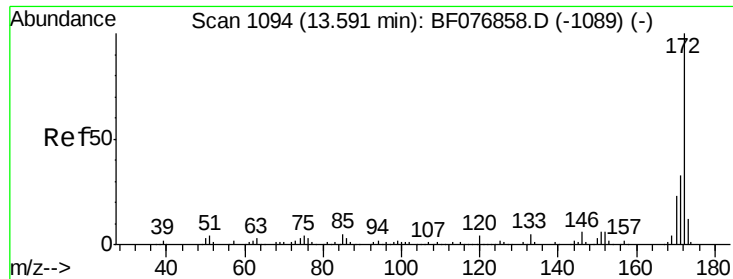


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

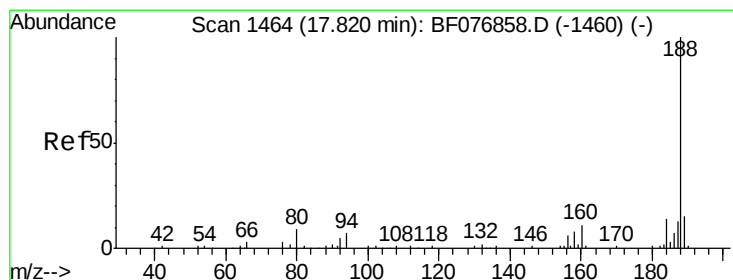
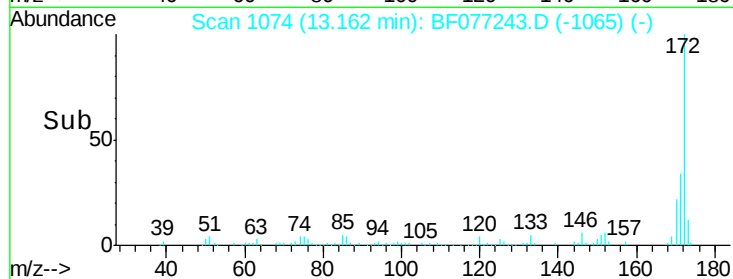
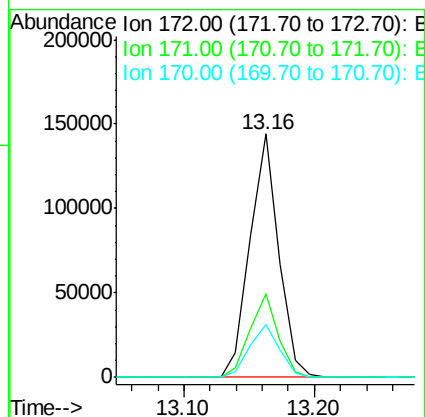
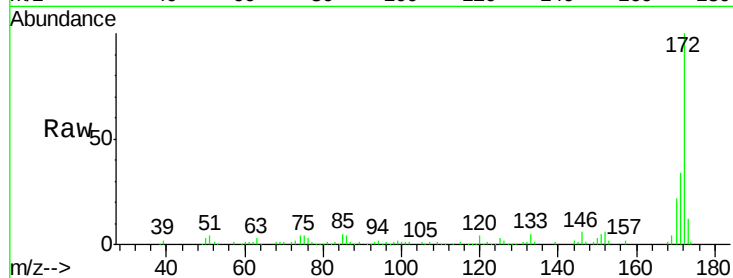




#44  
 2-Fluorobiphenyl  
 Concen: 30.00 ng  
 RT: 13.16 min Scan# 1074  
 Delta R.T. 0.00 min  
 Lab File: BF077243.D  
 Acq: 10 Feb 2015 19:50

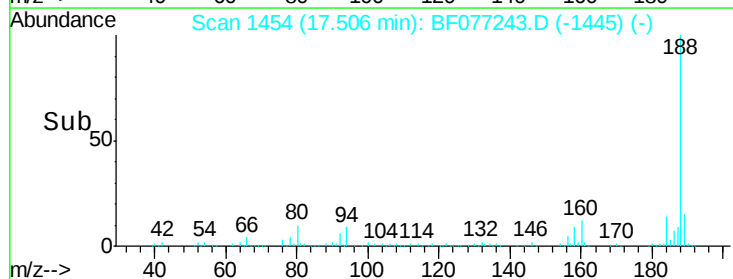
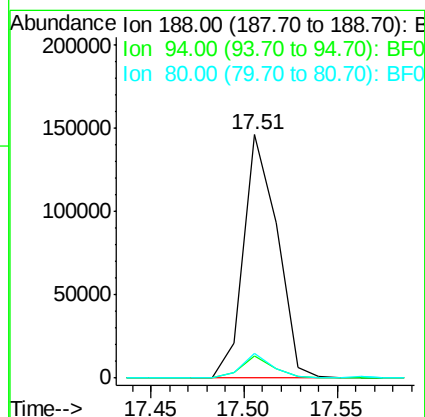
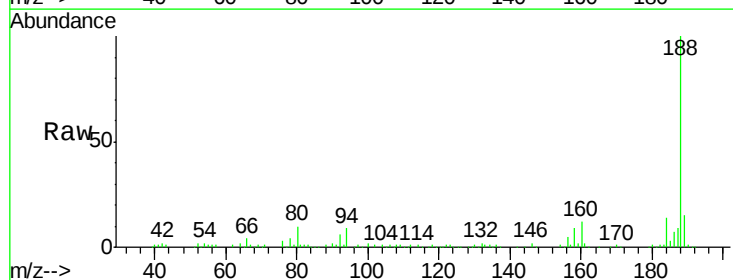
Instrument :  
 BNA\_F  
 ClientSampleId :  
 UB11B

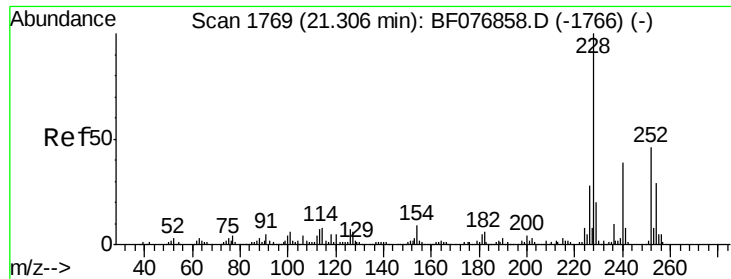
Tgt Ion:172 Resp: 222409  
 Ion Ratio Lower Upper  
 172 100  
 171 34.4 26.6 40.0  
 170 22.0 18.0 27.0



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.51 min Scan# 1454  
 Delta R.T. 0.00 min  
 Lab File: BF077243.D  
 Acq: 10 Feb 2015 19:50

Tgt Ion:188 Resp: 182966  
 Ion Ratio Lower Upper  
 188 100  
 94 9.0 6.0 9.0#  
 80 10.3 6.9 10.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.03 min Scan# 1762

Delta R.T. 0.01 min

Lab File: BF077243.D

Acq: 10 Feb 2015 19:50

Instrument :

BNA\_F

ClientSampleId :

UB11B

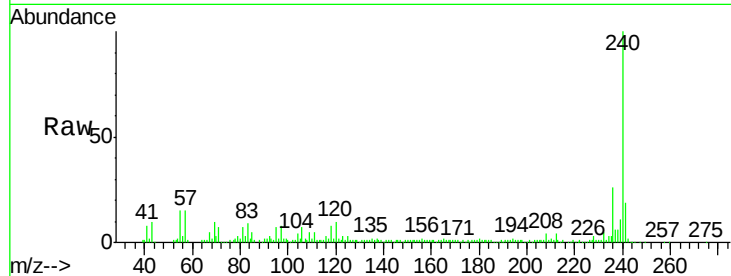
Tgt Ion:240 Resp: 162653

Ion Ratio Lower Upper

240 100

120 10.1 10.4 15.6#

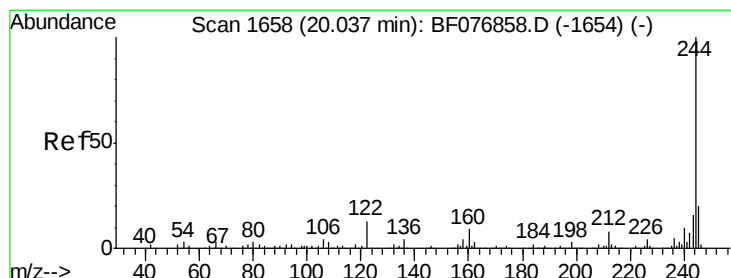
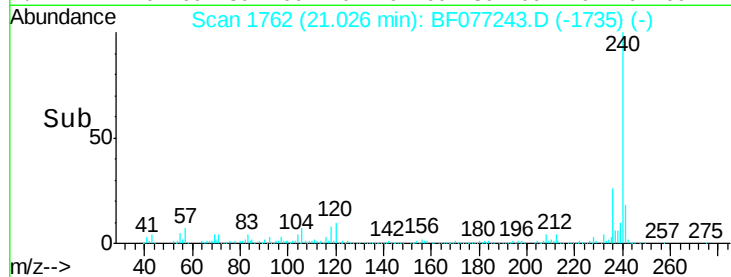
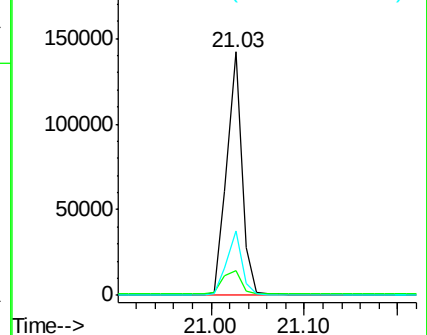
236 26.3 20.2 30.2



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: 28.81 ng

RT: 19.76 min Scan# 1651

Delta R.T. 0.00 min

Lab File: BF077243.D

Acq: 10 Feb 2015 19:50

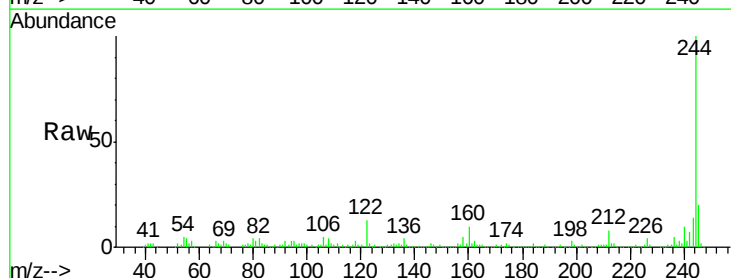
Tgt Ion:244 Resp: 203520

Ion Ratio Lower Upper

244 100

212 8.0 6.3 9.5

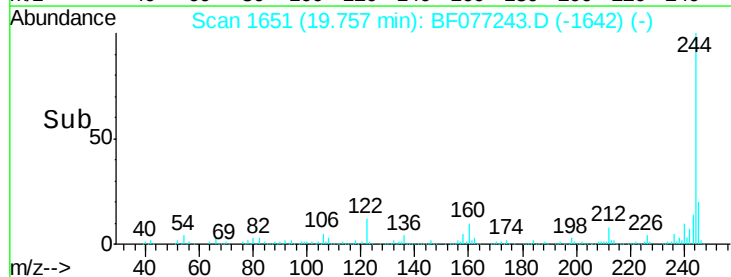
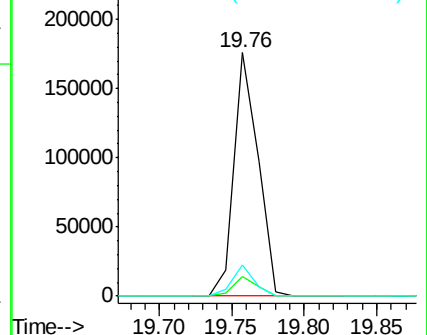
122 12.6 10.1 15.1

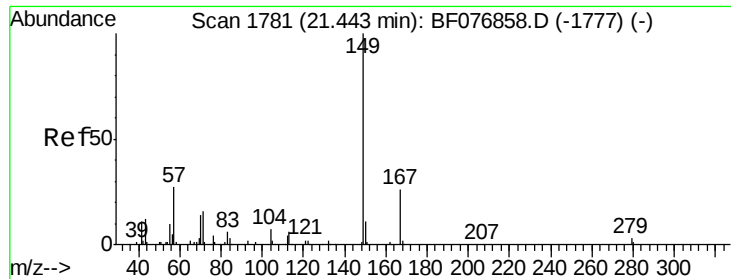


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

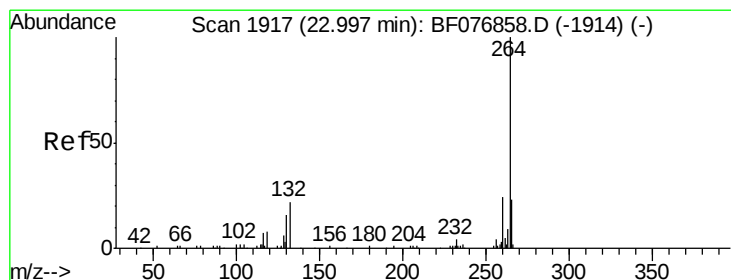
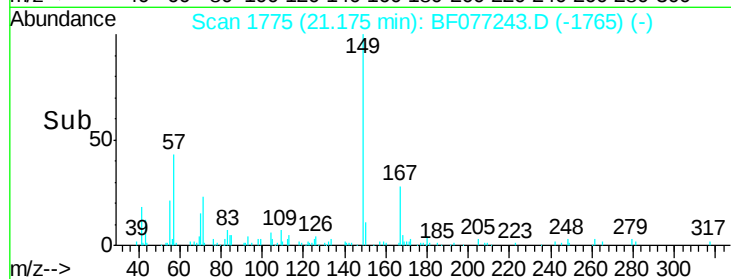
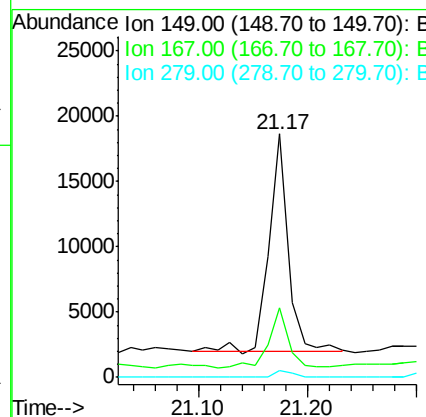
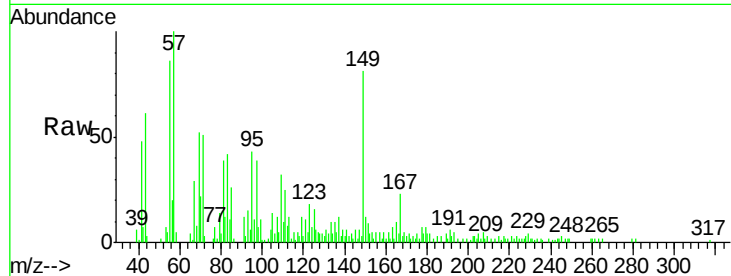




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.96 ng  
 RT: 21.17 min Scan# 1775  
 Delta R.T. 0.01 min  
 Lab File: BF077243.D  
 Acq: 10 Feb 2015 19:50

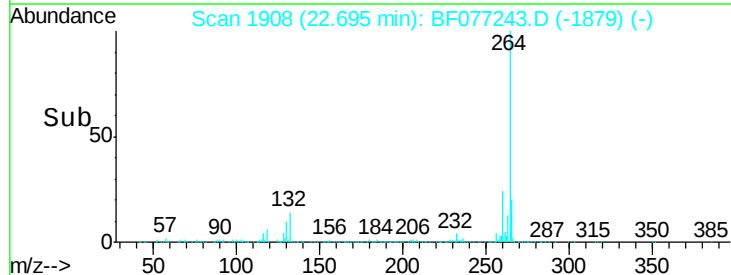
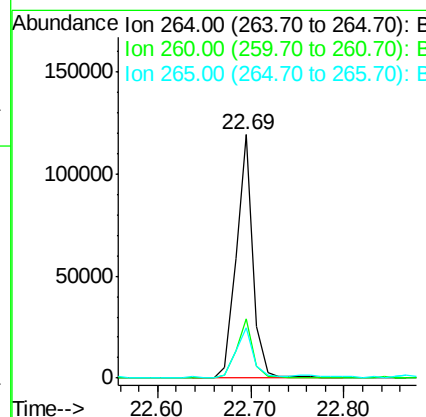
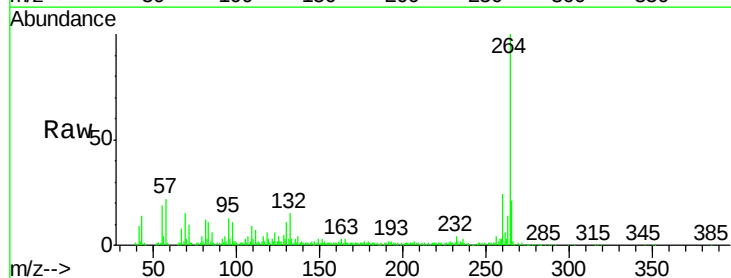
Instrument :  
 BNA\_F  
 ClientSampleId :  
 UB11B

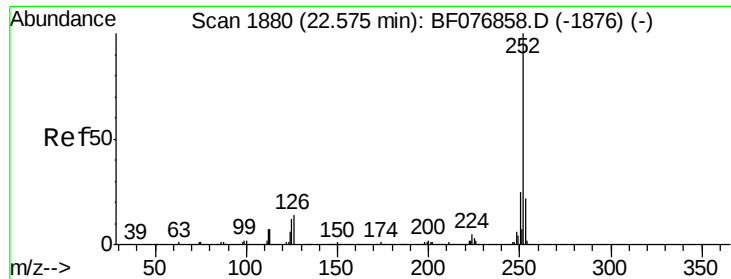
Tgt Ion:149 Resp: 20690  
 Ion Ratio Lower Upper  
 149 100  
 167 28.5 20.6 30.8  
 279 2.9 2.2 3.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 22.69 min Scan# 1908  
 Delta R.T. 0.03 min  
 Lab File: BF077243.D  
 Acq: 10 Feb 2015 19:50

Tgt Ion:264 Resp: 148896  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.0 28.4  
 265 20.8 18.1 27.1

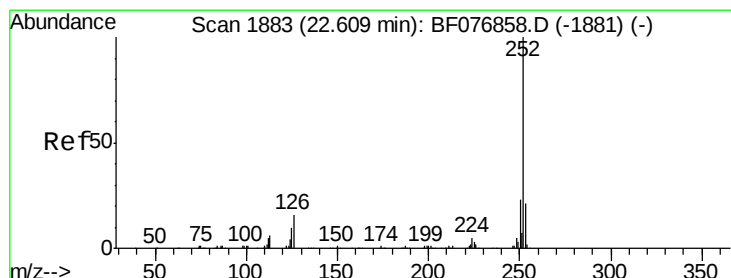
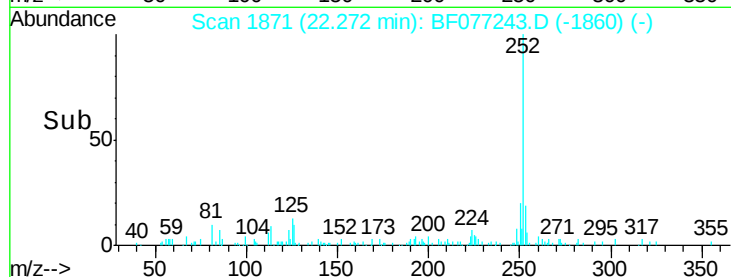
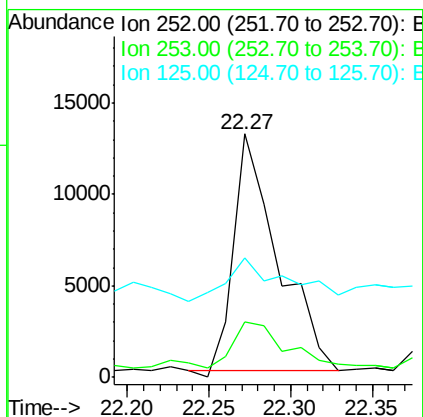
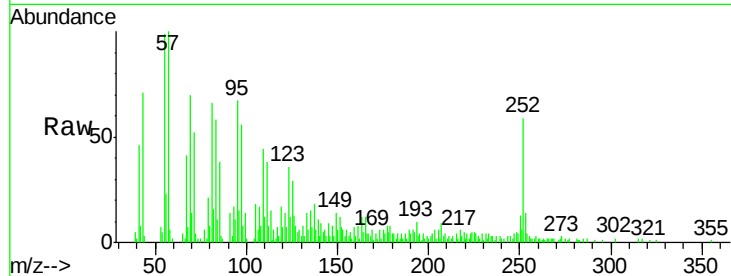




#87  
Benzo(b)fluoranthene  
Concen: 2.41 ng  
RT: 22.27 min Scan# 1871  
Delta R.T. 0.02 min  
Lab File: BF077243.D  
Acq: 10 Feb 2015 19:50

Instrument :  
BNA\_F  
ClientSampleId :  
UB11B

Tgt Ion:252 Resp: 24173  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.5 26.3  
125 49.2 9.4 14.0#



#88  
Benzo(k)fluoranthene  
Concen: 2.76 ng  
RT: 22.27 min Scan# 1871  
Delta R.T. 0.02 min  
Lab File: BF077243.D  
Acq: 10 Feb 2015 19:50

Tgt Ion:252 Resp: 24173  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.2 25.8  
125 49.2 7.1 10.7#

