

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040815\  
 Data File : BF078348.D  
 Acq On : 8 Apr 2015 21:59  
 Operator : TP/IZ  
 Sample : G1793-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3S

Quant Time: Apr 09 01:52:55 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 09 00:49:15 2015  
 Response via : Initial Calibration

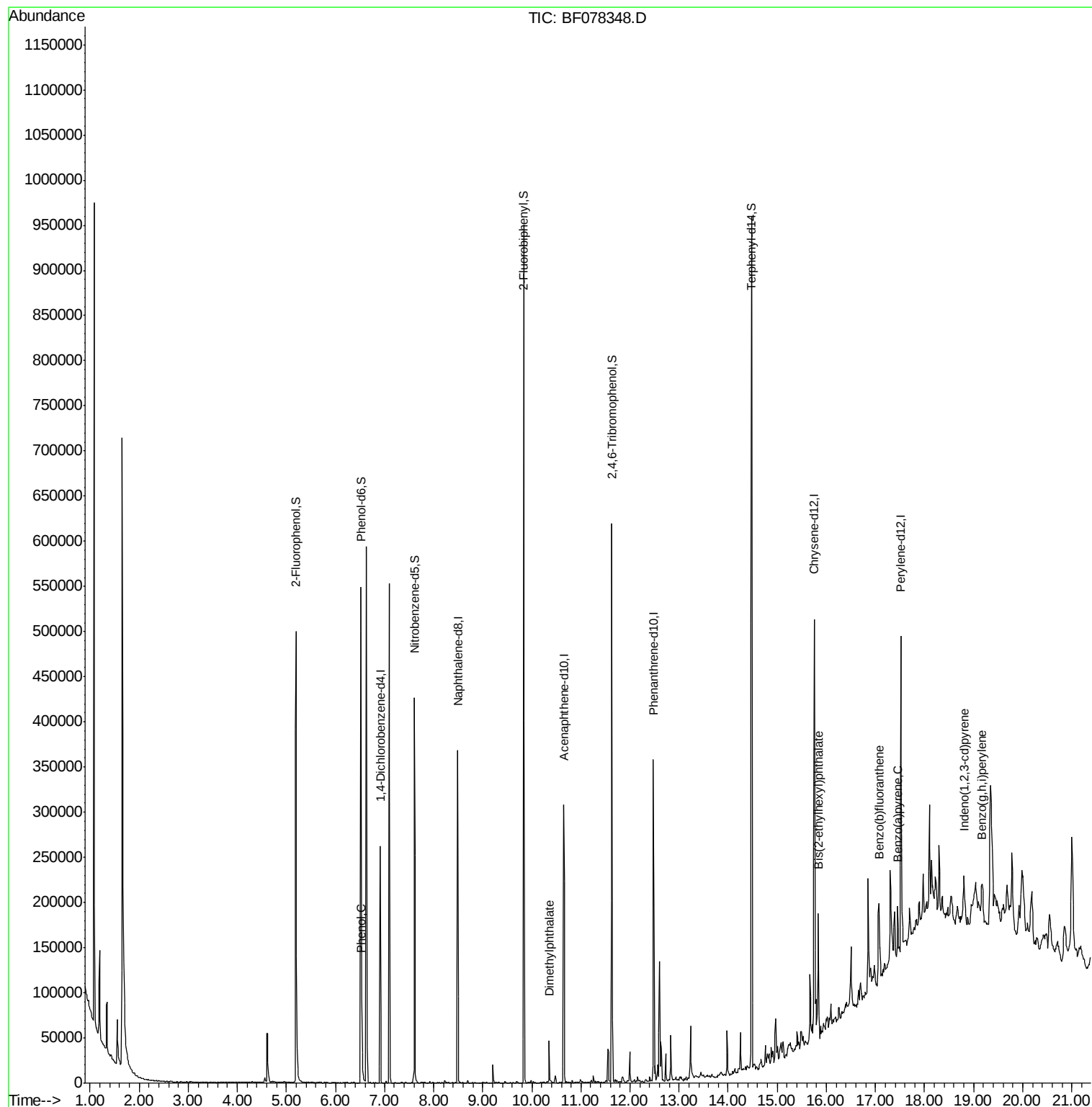
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.91  | 152  | 42346    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.49  | 136  | 171267   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.65 | 164  | 81841    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 12.48 | 188  | 159233   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 15.76 | 240  | 172998   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 17.52 | 264  | 166592   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.20  | 112  | 225499   | 87.80  | ng    | 0.02     |
| 7) Phenol-d6                   | 6.52  | 99   | 303505   | 94.29  | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.61  | 82   | 168742   | 59.72  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 11.63 | 330  | 73511    | 108.30 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.84  | 172  | 343553   | 60.00  | ng    | 0.00     |
| 78) Terphenyl-d14              | 14.48 | 244  | 365584   | 47.75  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 10) Phenol                     | 6.53  | 94   | 8370     | 2.17   | ng    | 79       |
| 49) Dimethylphthalate          | 10.35 | 163  | 18913    | 3.08   | ng    | # 99     |
| 83) Bis(2-ethylhexyl)phthalate | 15.84 | 149  | 46873    | 7.22   | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 18.81 | 276  | 24073    | 2.19   | ng    | # 80     |
| 87) Benzo(b)fluoranthene       | 17.07 | 252  | 44835m   | 4.35   | ng    |          |
| 89) Benzo(a)pyrene             | 17.45 | 252  | 26303    | 2.93   | ng    | # 84     |
| 91) Benzo(g,h,i)perylene       | 19.17 | 276  | 24181    | 2.68   | ng    | 96       |

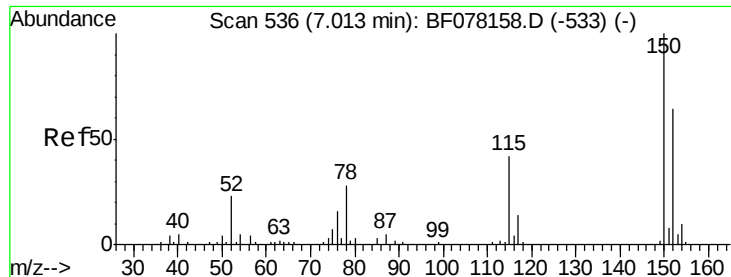
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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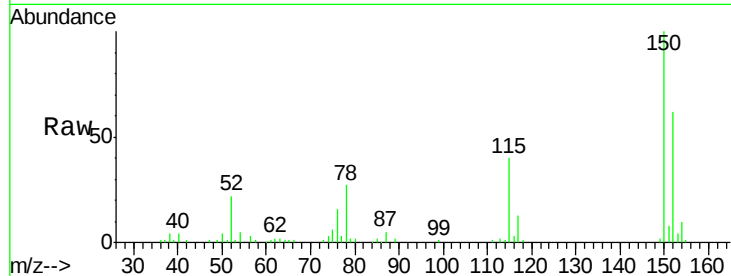


#1

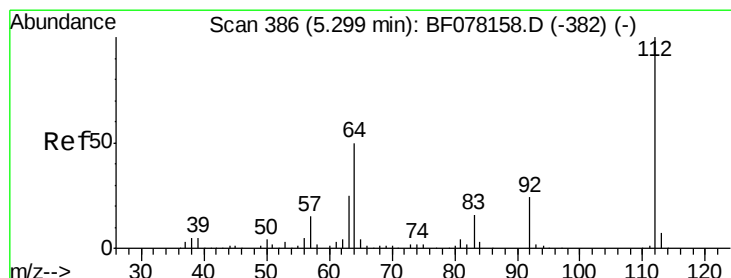
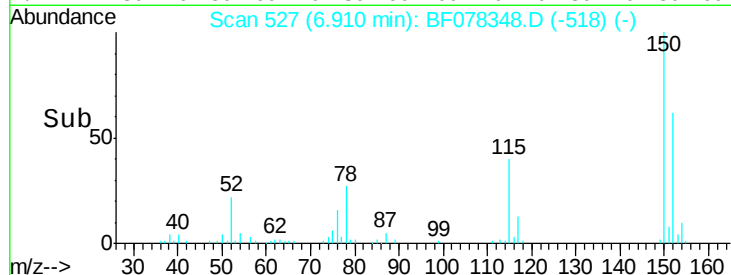
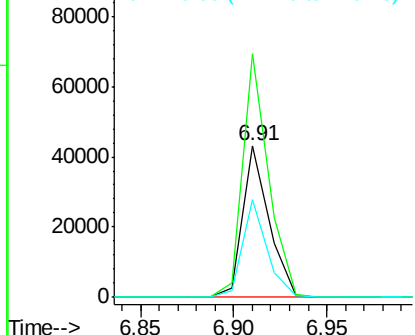
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.91 min Scan# 527  
 Delta R.T. -0.00 min  
 Lab File: BF078348.D  
 Acq: 8 Apr 2015 21:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3S

Tot Ion:152 Resp: 42346  
 Ion Ratio Lower Upper  
 152 100  
 150 160.1 125.9 188.9  
 115 64.2 52.7 79.1



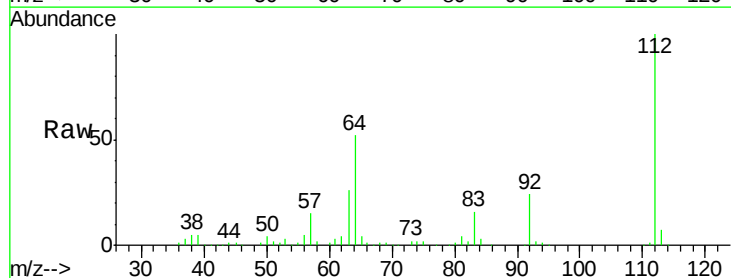
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



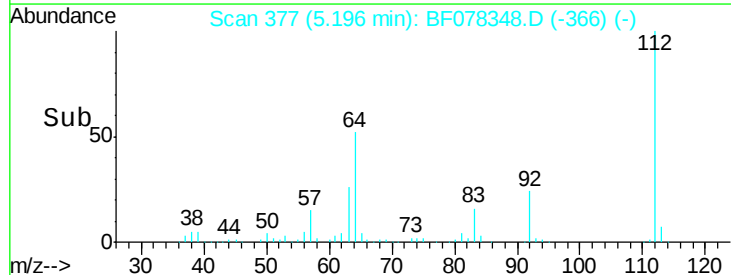
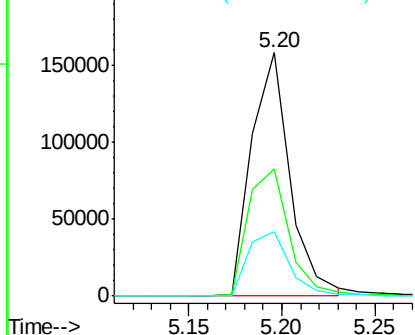
#5

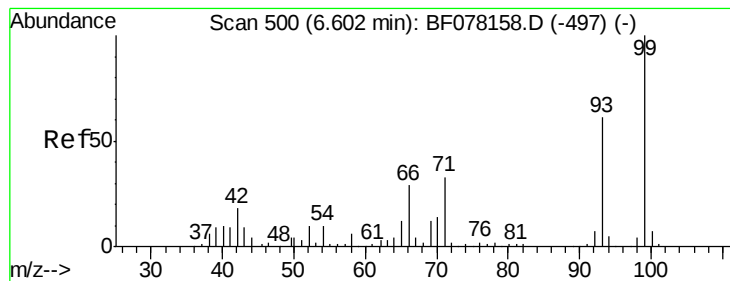
2-Fluorophenol  
 Concen: 87.80 ng  
 RT: 5.20 min Scan# 377  
 Delta R.T. 0.02 min  
 Lab File: BF078348.D  
 Acq: 8 Apr 2015 21:59

Tgt Ion:112 Resp: 225499  
 Ion Ratio Lower Upper  
 112 100  
 64 52.2 39.9 59.9  
 63 26.4 20.2 30.4



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: 94.29 ng

RT: 6.52 min Scan# 493

Delta R.T. 0.01 min

Lab File: BF078348.D

Acq: 8 Apr 2015 21:59

Instrument :

BNA\_F

ClientSampled :

SB-3S

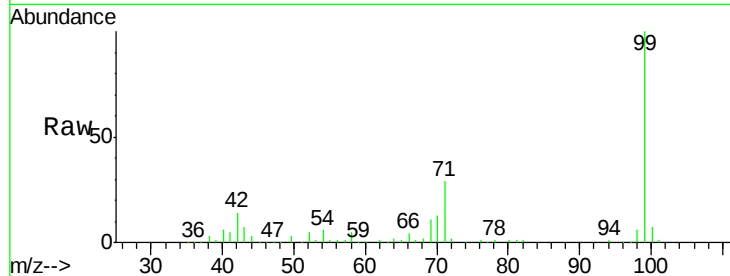
Tot Ion: 99 Resp: 303505

Ion Ratio Lower Upper

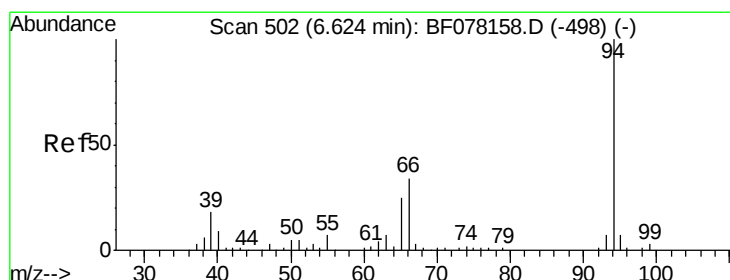
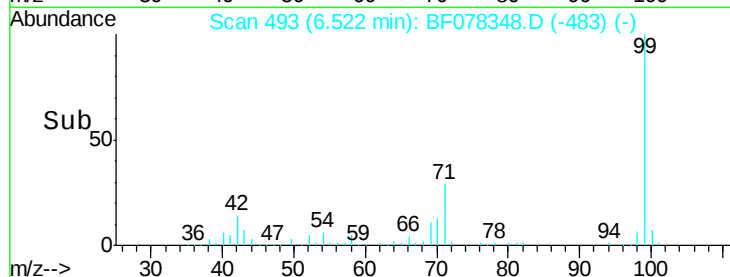
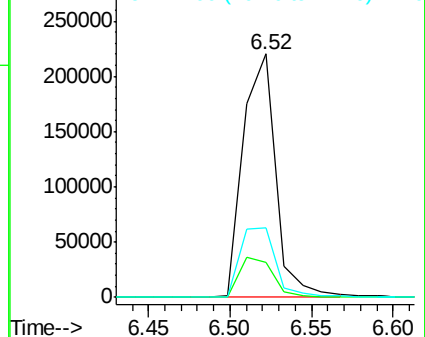
99 100

42 14.2 14.8 22.2#

71 28.6 26.6 39.8



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



#10

Phenol

Concen: 2.17 ng

RT: 6.53 min Scan# 494

Delta R.T. 0.01 min

Lab File: BF078348.D

Acq: 8 Apr 2015 21:59

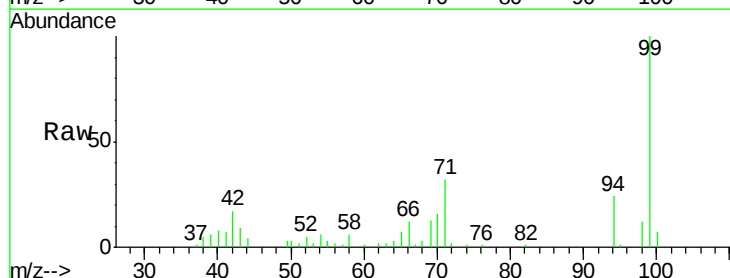
Tgt Ion: 94 Resp: 8370

Ion Ratio Lower Upper

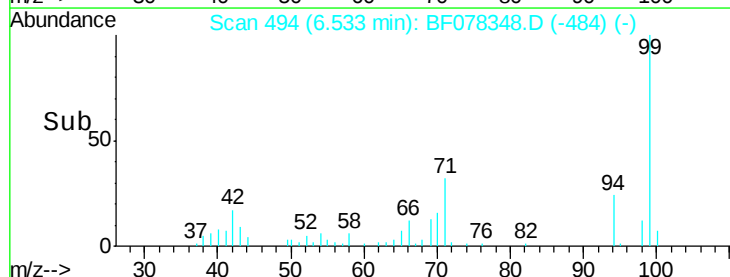
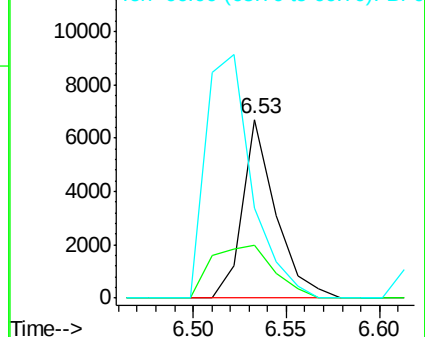
94 100

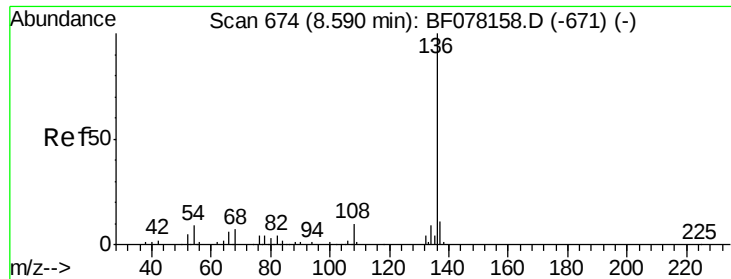
65 29.5 4.9 44.9

66 50.5 13.8 53.8



Abundance Ion 94.00 (93.70 to 94.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.49 min Scan# 665

Delta R.T. -0.00 min

Lab File: BF078348.D

Acq: 8 Apr 2015 21:59

Instrument :

BNA\_F

ClientSampled :

SB-3S

Tot Ion:136 Resp: 171267

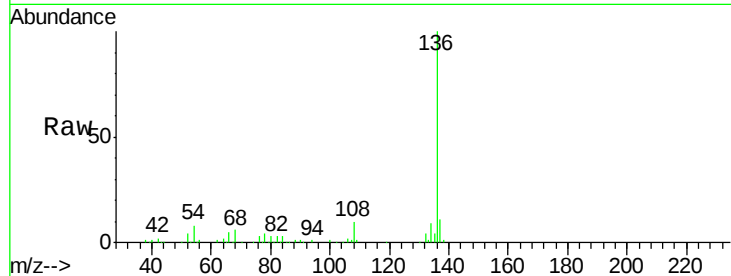
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.7 7.0 10.6

68 6.0 5.4 8.2

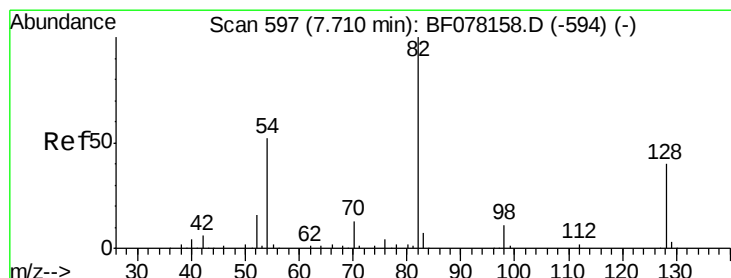
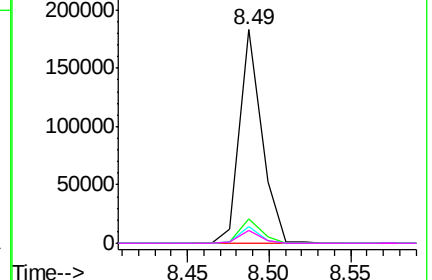
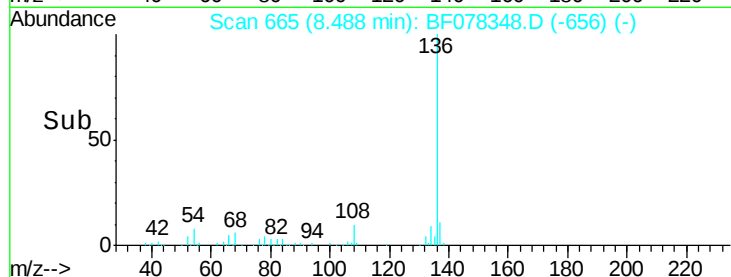


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.72 ng

RT: 7.61 min Scan# 588

Delta R.T. -0.00 min

Lab File: BF078348.D

Acq: 8 Apr 2015 21:59

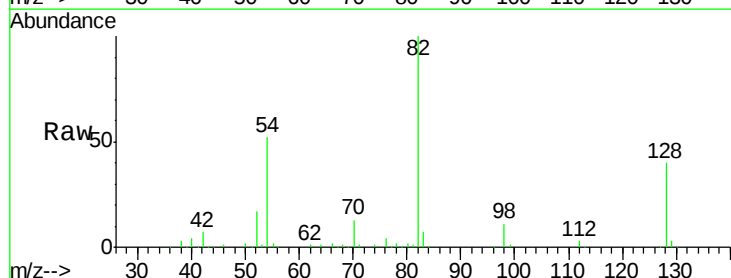
Tgt Ion: 82 Resp: 168742

Ion Ratio Lower Upper

82 100

128 40.4 31.8 47.8

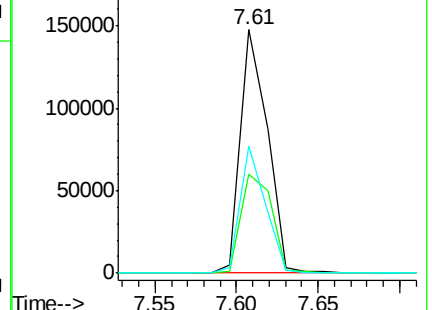
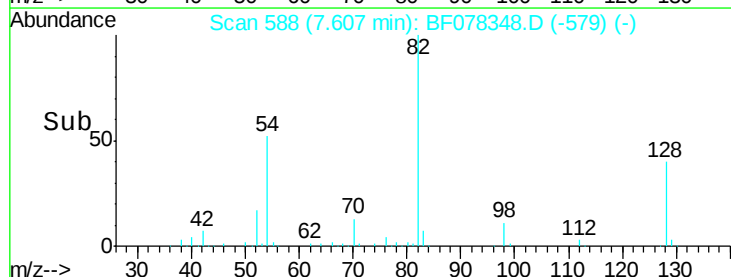
54 52.3 41.5 62.3

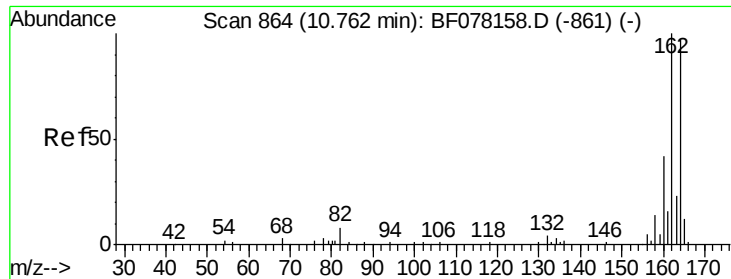


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 10.65 min Scan# 854

Delta R.T. -0.00 min

Lab File: BF078348.D

Acq: 8 Apr 2015 21:59

Instrument :

BNA\_F

ClientSampleId :

SB-3S

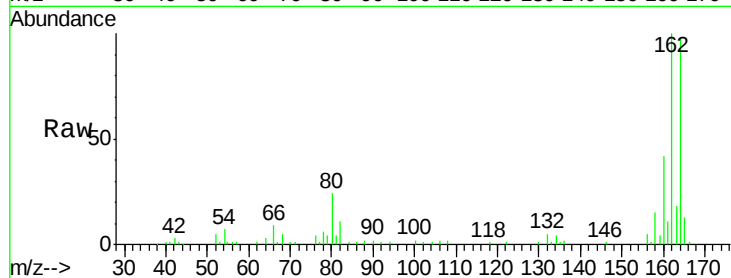
Tot Ion:164 Resp: 81841

Ion Ratio Lower Upper

164 100

162 102.6 82.2 123.2

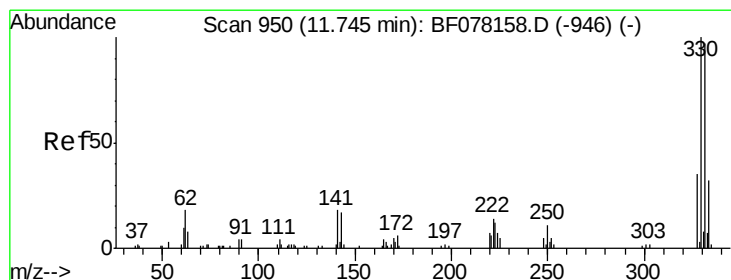
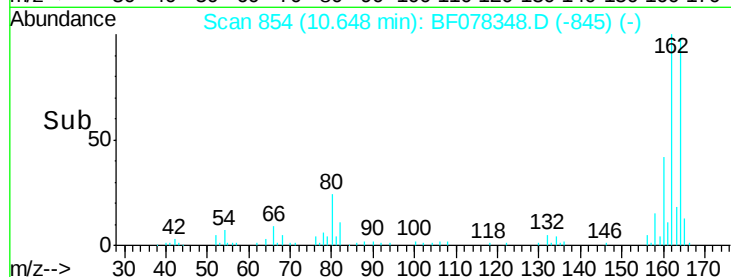
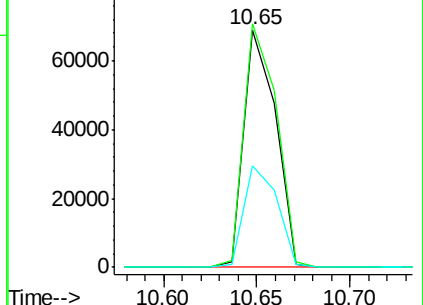
160 43.0 34.7 52.1



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: 108.30 ng

RT: 11.63 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF078348.D

Acq: 8 Apr 2015 21:59

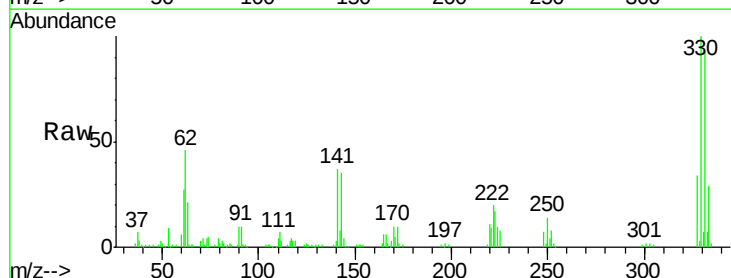
Tgt Ion:330 Resp: 73511

Ion Ratio Lower Upper

330 100

332 93.9 78.6 117.8

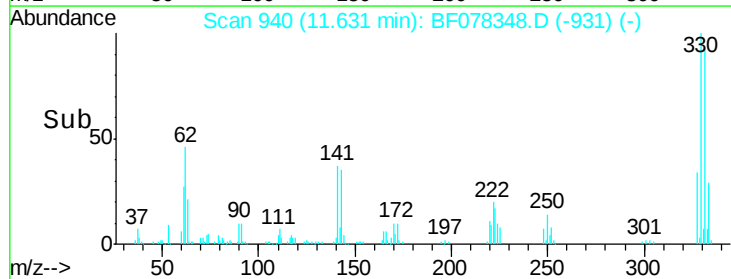
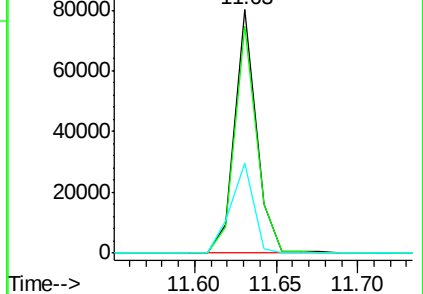
141 38.9 31.2 46.8

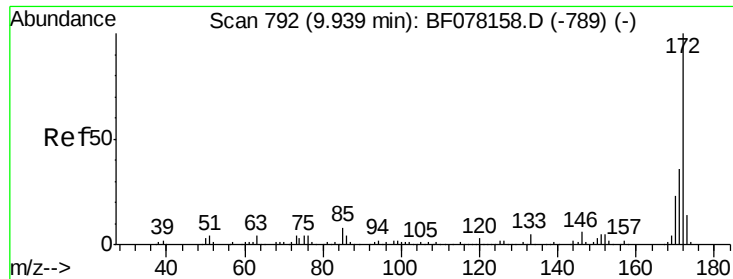


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

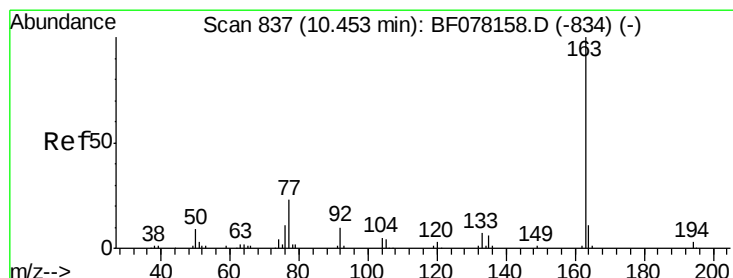
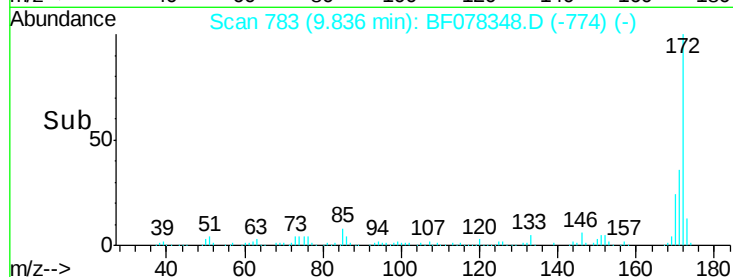
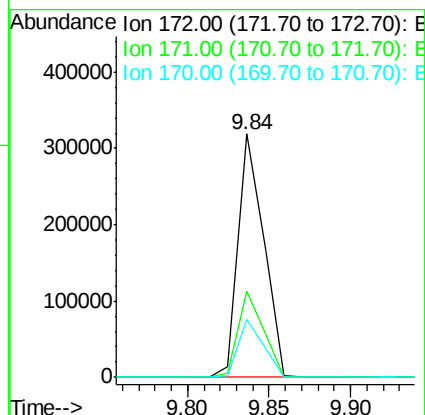
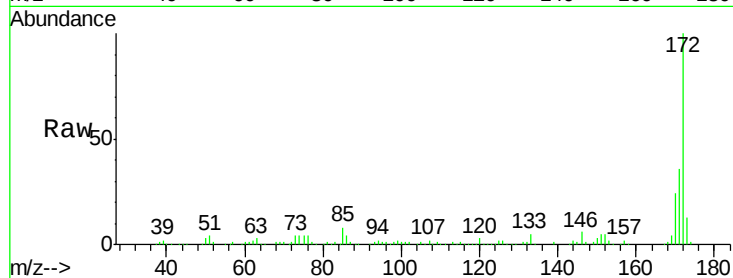




#44  
2-Fluorobiphenyl  
Concen: 60.00 ng  
RT: 9.84 min Scan# 783  
Delta R.T. -0.00 min  
Lab File: BF078348.D  
Acq: 8 Apr 2015 21:59

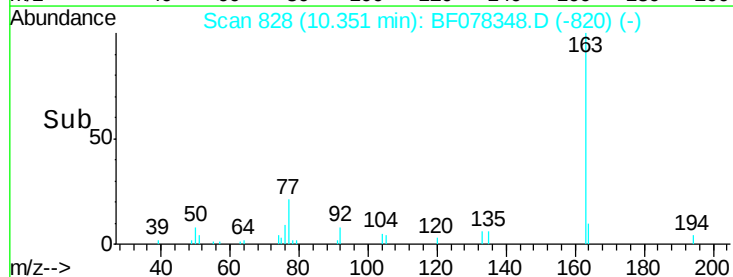
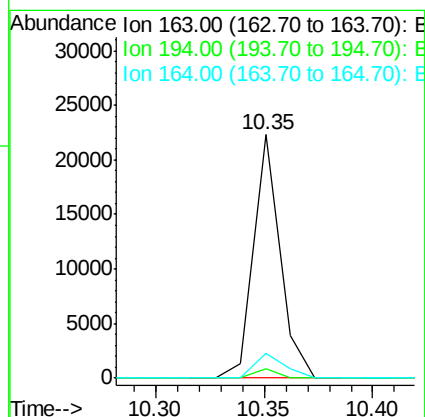
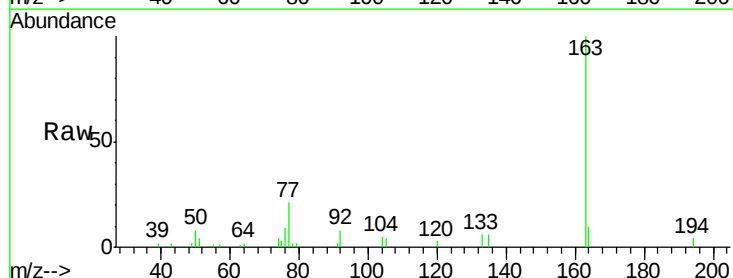
Instrument :  
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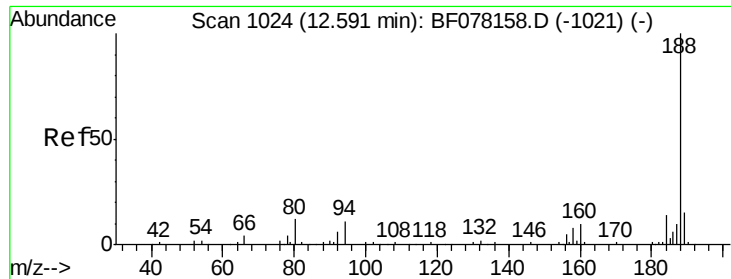
Tot Ion:172 Resp: 343553  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.6 42.8  
170 23.9 18.5 27.7



#49  
Dimethylphthalate  
Concen: 3.08 ng  
RT: 10.35 min Scan# 828  
Delta R.T. -0.01 min  
Lab File: BF078348.D  
Acq: 8 Apr 2015 21:59

Tgt Ion:163 Resp: 18913  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.3 3.5#  
164 10.4 8.6 13.0

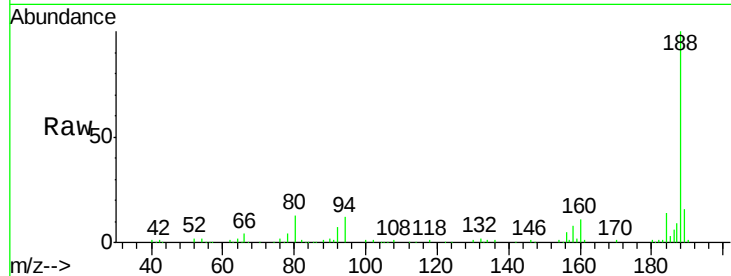




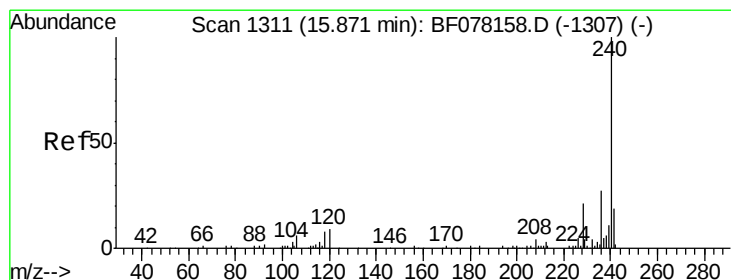
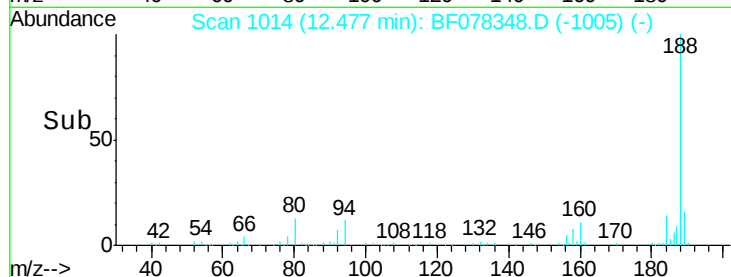
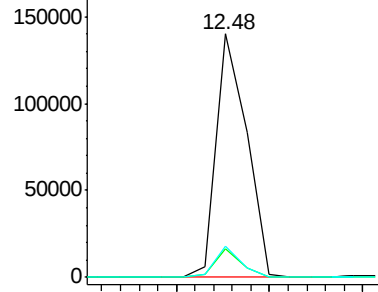
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.48 min Scan# 1014  
Delta R.T. -0.00 min  
Lab File: BF078348.D  
Acq: 8 Apr 2015 21:59

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3S

Tot Ion:188 Resp: 159233  
Ion Ratio Lower Upper  
188 100  
94 11.6 9.0 13.4  
80 12.9 9.5 14.3

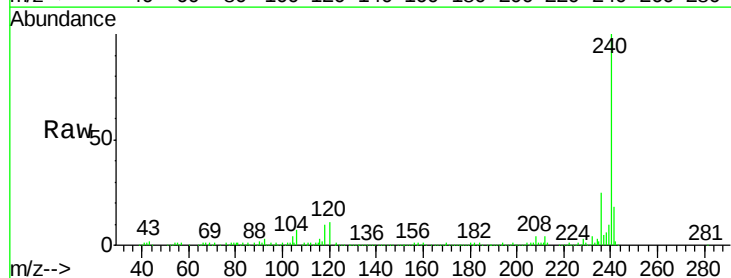


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

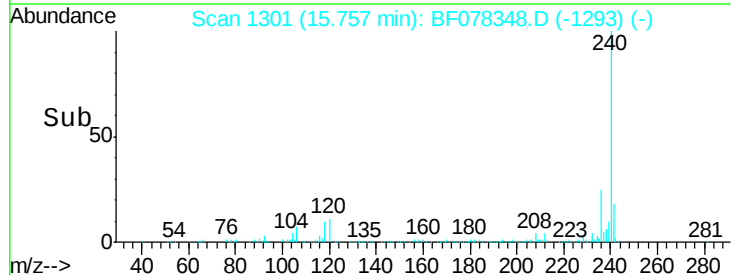
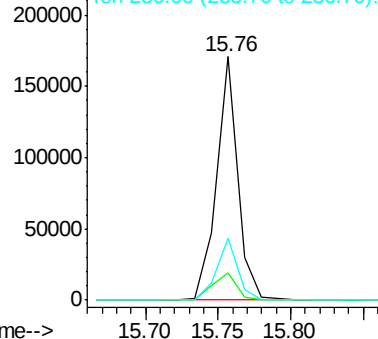


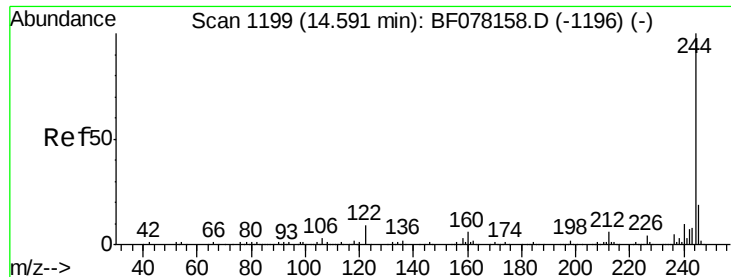
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.76 min Scan# 1301  
Delta R.T. -0.01 min  
Lab File: BF078348.D  
Acq: 8 Apr 2015 21:59

Tgt Ion:240 Resp: 172998  
Ion Ratio Lower Upper  
240 100  
120 11.1 7.1 10.7#  
236 25.4 21.4 32.2



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: 47.75 ng

RT: 14.48 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BF078348.D

Acq: 8 Apr 2015 21:59

Instrument :

BNA\_F

ClientSampleId :

SB-3S

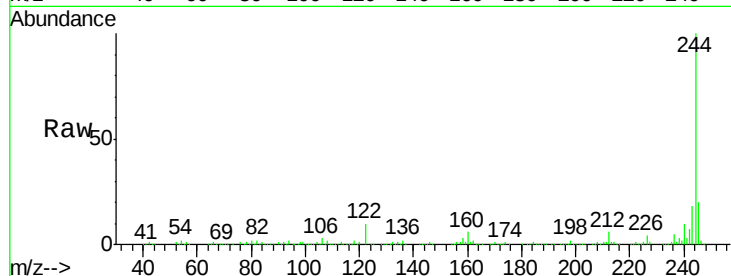
Tot Ion:244 Resp: 365584

Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

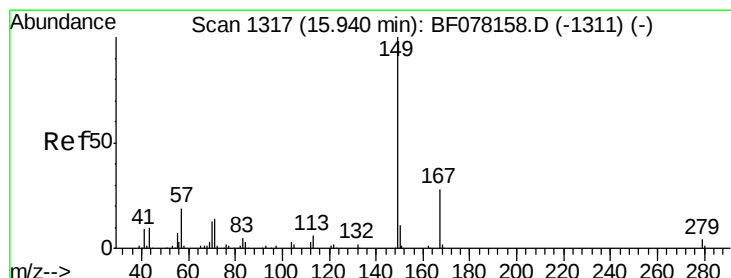
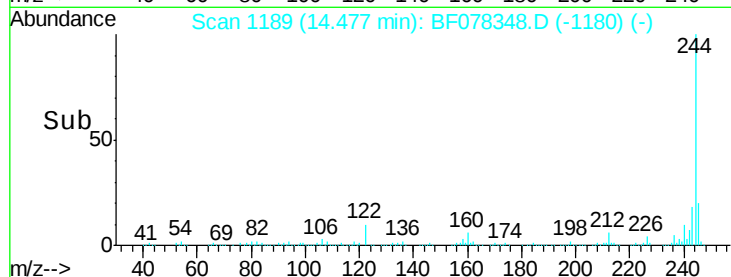
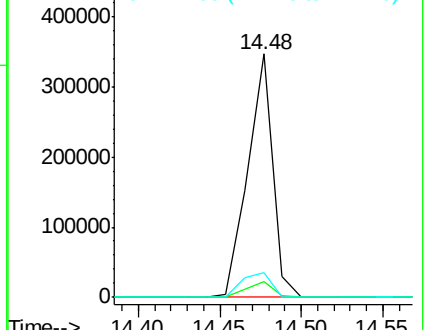
122 9.9 7.1 10.7



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: 7.22 ng

RT: 15.84 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF078348.D

Acq: 8 Apr 2015 21:59

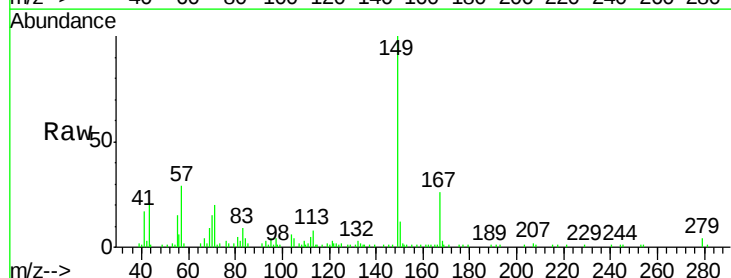
Tgt Ion:149 Resp: 46873

Ion Ratio Lower Upper

149 100

167 26.0 22.2 33.2

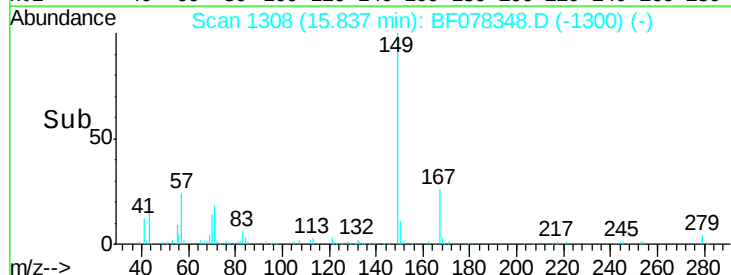
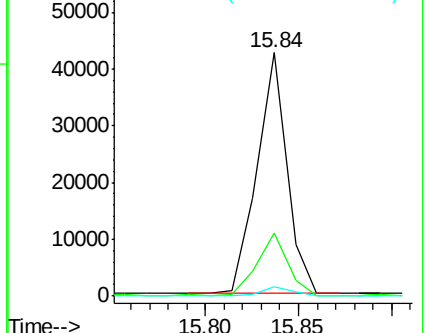
279 3.7 3.2 4.8

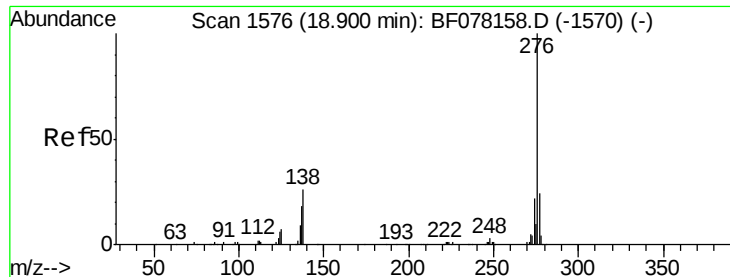


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

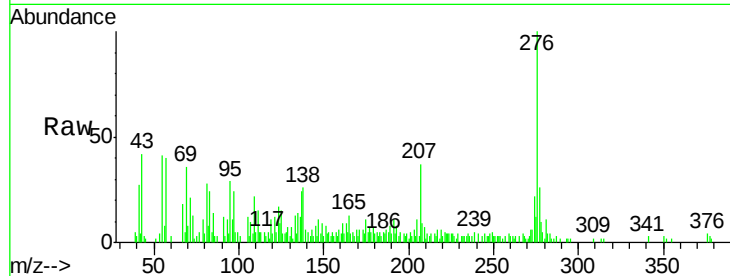




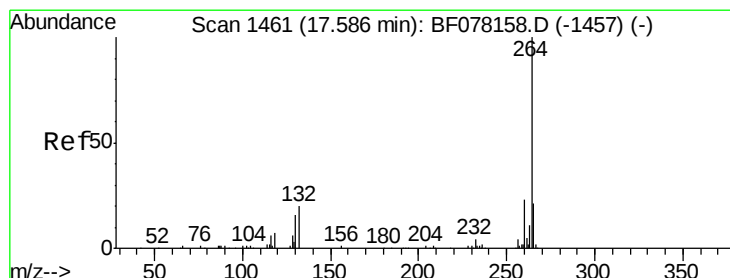
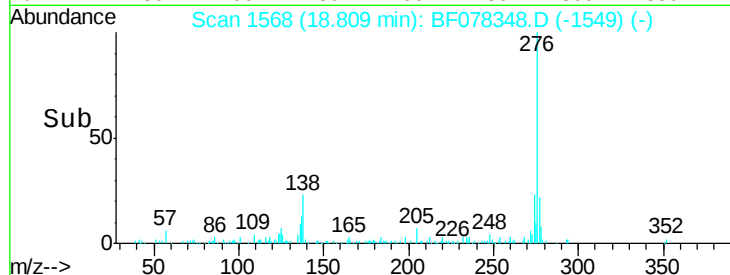
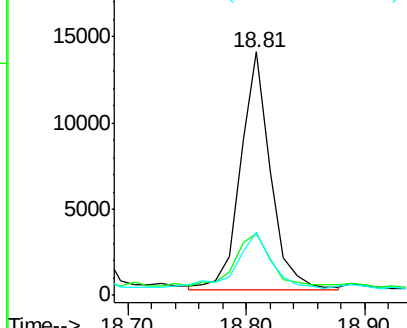
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 2.19 ng  
RT: 18.81 min Scan# 1568  
Delta R.T. -0.08 min  
Lab File: BF078348.D  
Acq: 8 Apr 2015 21:59

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3S

Tot Ion:276 Resp: 24073  
Ion Ratio Lower Upper  
276 100  
138 29.4 16.9 25.3#  
277 29.7 15.8 23.6#

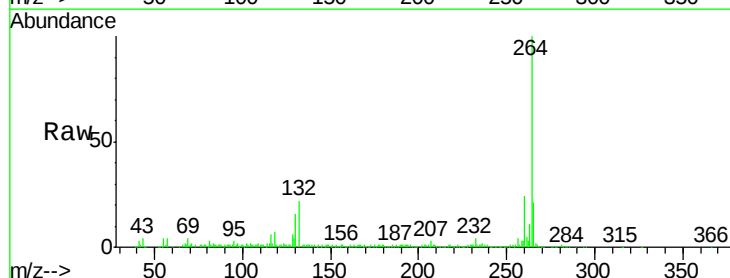


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

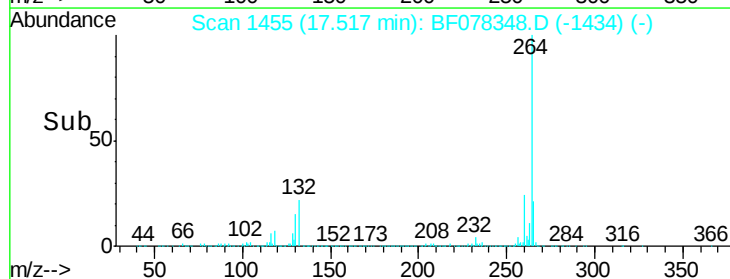
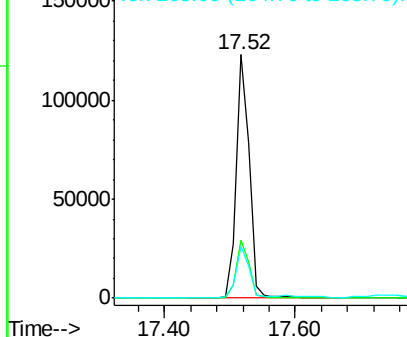


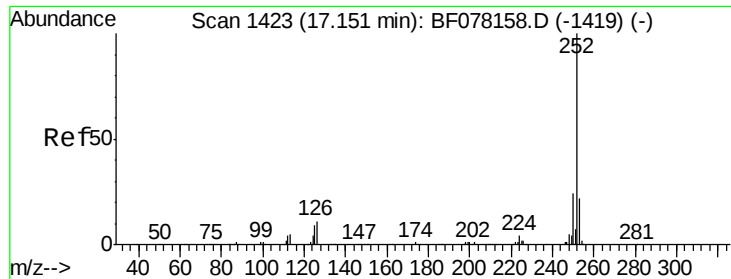
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.52 min Scan# 1455  
Delta R.T. -0.06 min  
Lab File: BF078348.D  
Acq: 8 Apr 2015 21:59

Tgt Ion:264 Resp: 166592  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.6 27.8  
265 21.4 17.0 25.6



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

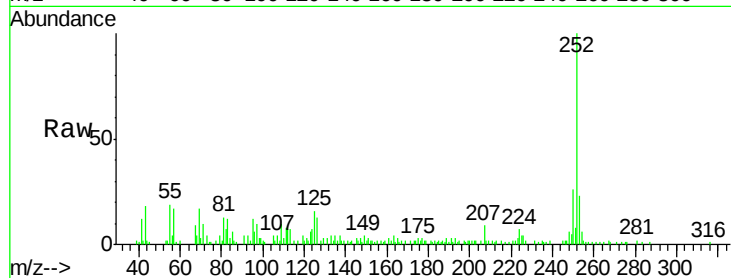




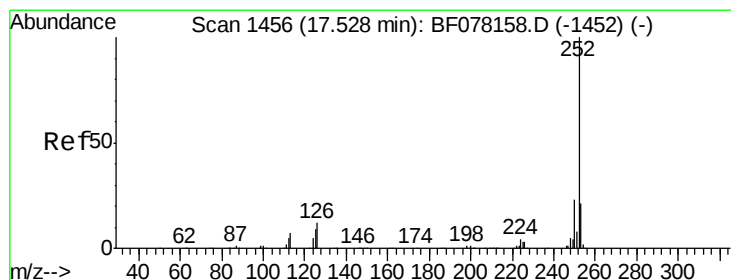
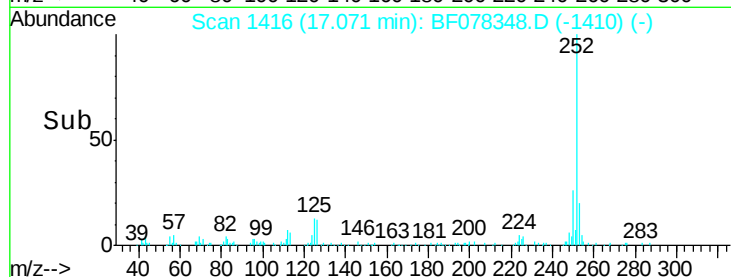
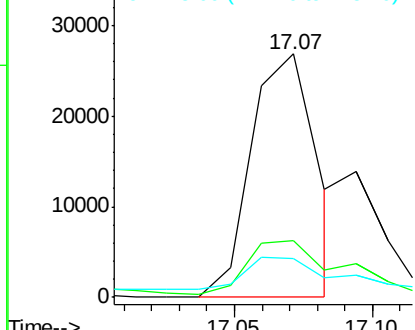
#87  
Benzo(b)fluoranthene  
Concen: 4.35 ng m  
RT: 17.07 min Scan# 1416  
Delta R.T. -0.03 min  
Lab File: BF078348.D  
Acq: 8 Apr 2015 21:59

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3S

Tot Ion:252 Resp: 44835  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.2 25.8  
125 15.9 7.0 10.4#

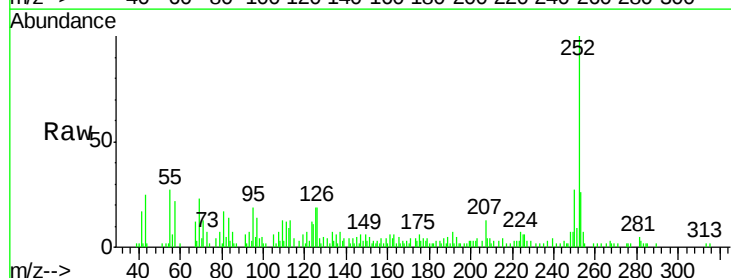


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

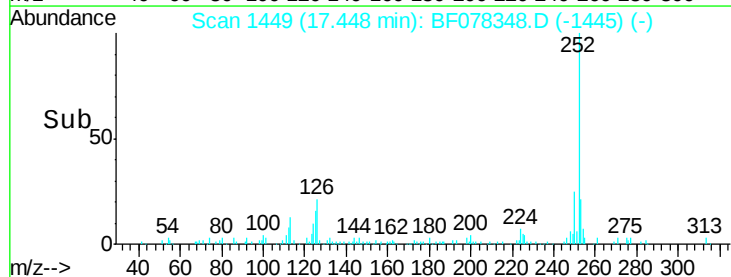
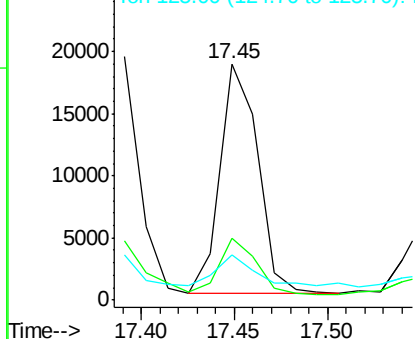


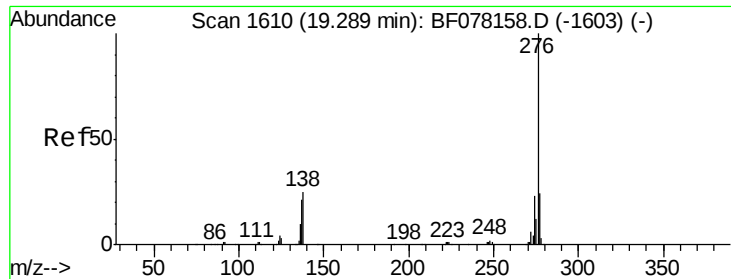
#89  
Benzo(a)pyrene  
Concen: 2.93 ng  
RT: 17.45 min Scan# 1449  
Delta R.T. -0.06 min  
Lab File: BF078348.D  
Acq: 8 Apr 2015 21:59

Tgt Ion:252 Resp: 26303  
Ion Ratio Lower Upper  
252 100  
253 26.2 16.8 25.2#  
125 19.2 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

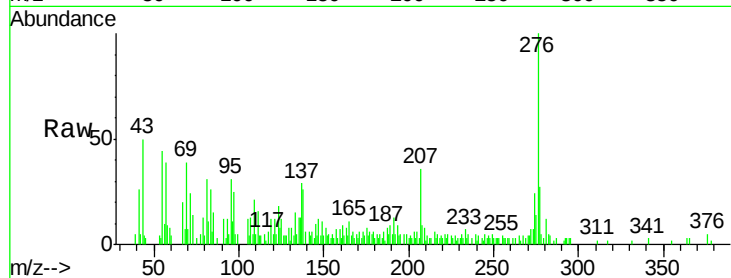




#91  
 Benzo(a,h,i)perylene  
 Concen: 2.68 ng  
 RT: 19.17 min Scan# 1600  
 Delta R.T. -0.08 min  
 Lab File: BF078348.D  
 Acq: 8 Apr 2015 21:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 27.2  | 19.0  | 28.4  |
| 138     | 25.6  | 19.9  | 29.9  |



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

