

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\  
 Data File : BF078992.D  
 Acq On : 7 May 2015 13:27  
 Operator : TP/IZ  
 Sample : G2144-01  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CF-NATWCS-08

Quant Time: May 08 01:13:29 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 08 00:46:40 2015  
 Response via : Initial Calibration

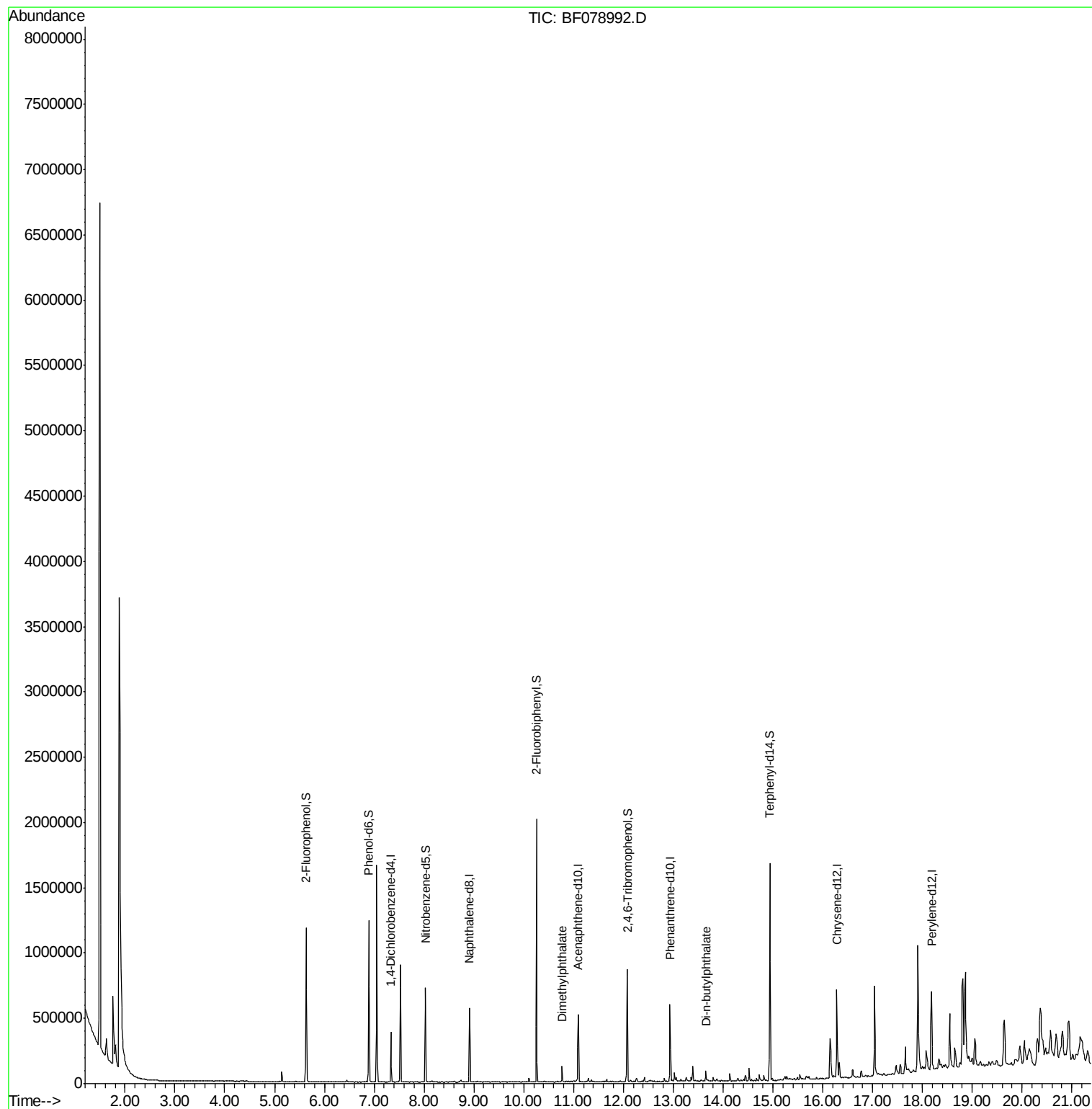
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.34  | 152  | 60082    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.91  | 136  | 251343   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 11.10 | 164  | 119293   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 12.94 | 188  | 235397   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 16.29 | 240  | 257797   | 20.00  | ng    | 0.01      |
| 86) Perylene-d12            | 18.18 | 264  | 272537   | 20.00  | ng    | 0.05      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.63  | 112  | 408959   | 117.17 | ng    | 0.00      |
| 7) Phenol-d6                | 6.89  | 99   | 533137   | 115.56 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 8.03  | 82   | 309611   | 70.80  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 12.08 | 330  | 157207   | 121.82 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 10.26 | 172  | 607520   | 70.95  | ng    | 0.00      |
| 78) Terphenyl-d14           | 14.94 | 244  | 661306   | 61.42  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 49) Dimethylphthalate       | 10.76 | 163  | 46559    | 5.32   | ng    | Qvalue 98 |
| 73) Di-n-butylphthalate     | 13.66 | 149  | 54066    | 3.66   | ng    | # 97      |

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

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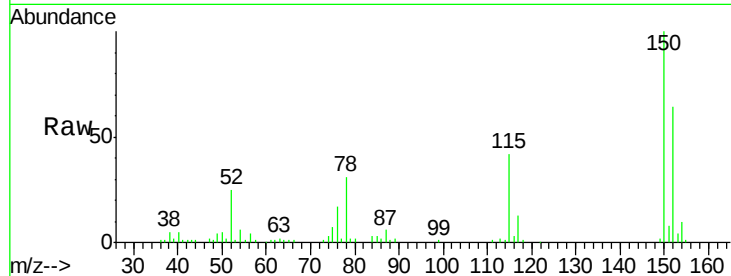


#1

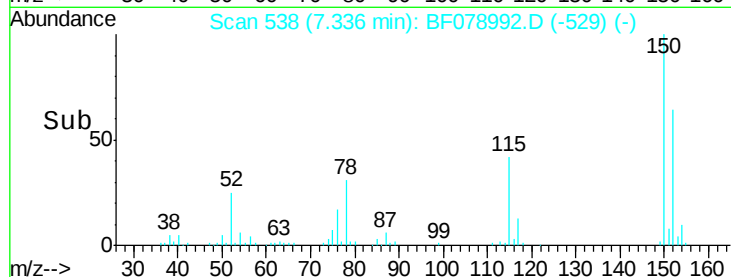
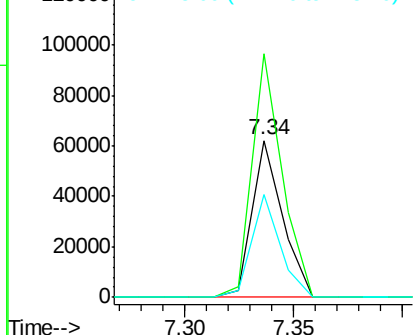
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.34 min Scan# 538  
Delta R.T. -0.00 min  
Lab File: BF078992.D  
Acq: 7 May 2015 13:27

Instrument :  
BNA\_F  
ClientSampleId :  
CF-NATWCS-08

Tot Ion:152 Resp: 60082  
Ion Ratio Lower Upper  
152 100  
150 155.5 122.0 183.0  
115 65.7 46.3 69.5



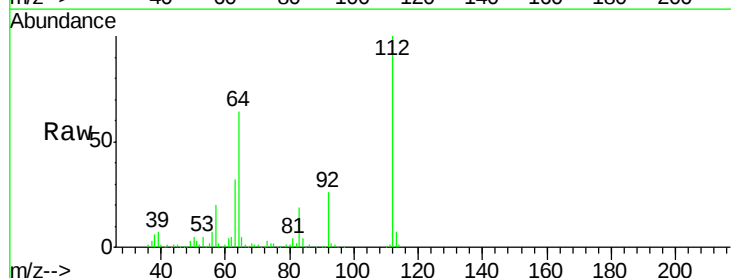
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



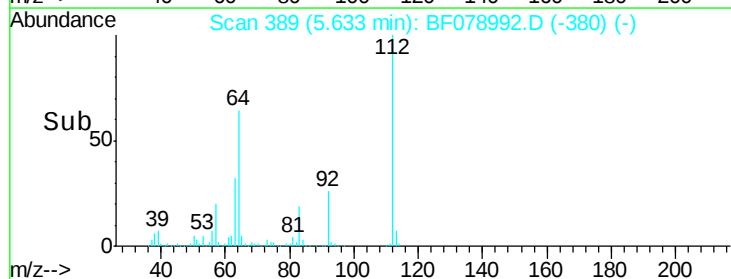
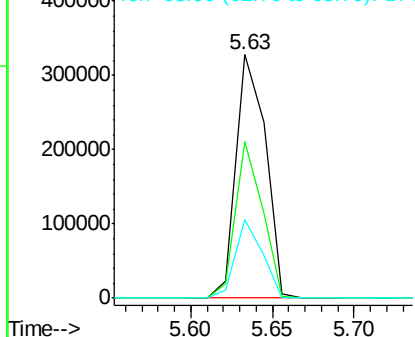
#5

2-Fluorophenol  
Concen: 117.17 ng  
RT: 5.63 min Scan# 389  
Delta R.T. -0.00 min  
Lab File: BF078992.D  
Acq: 7 May 2015 13:27

Tgt Ion:112 Resp: 408959  
Ion Ratio Lower Upper  
112 100  
64 64.5 53.5 80.3  
63 32.0 27.5 41.3



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: 115.56 ng

RT: 6.89 min Scan# 499

Delta R.T. -0.00 min

Lab File: BF078992.D

Acq: 7 May 2015 13:27

Instrument :

BNA\_F

ClientSampleId :

CF-NATWCS-08

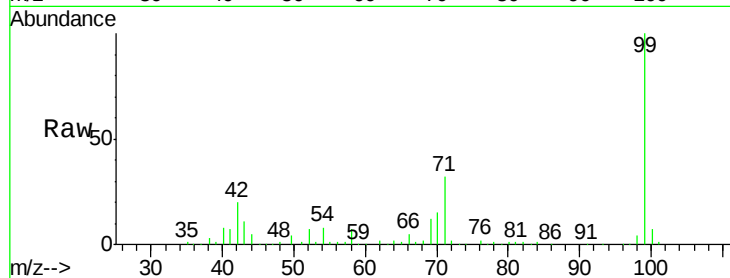
Tot Ion: 99 Resp: 533137

Ion Ratio Lower Upper

99 100

42 20.2 12.8 19.2#

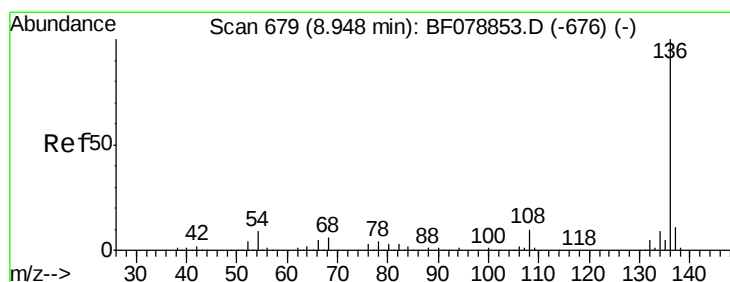
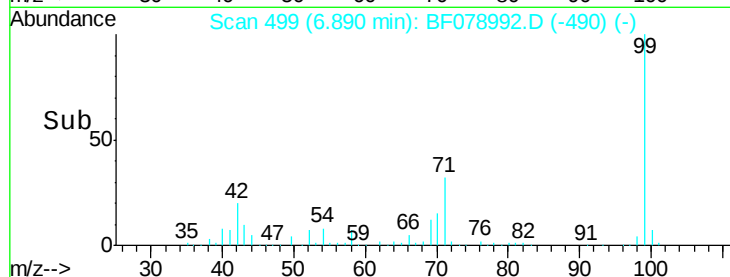
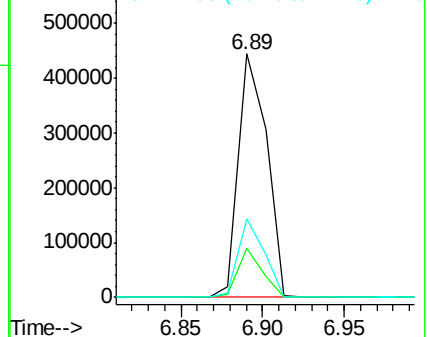
71 32.2 23.4 35.2



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: 8.91 min Scan# 676

Delta R.T. -0.00 min

Lab File: BF078992.D

Acq: 7 May 2015 13:27

Tgt Ion: 136 Resp: 251343

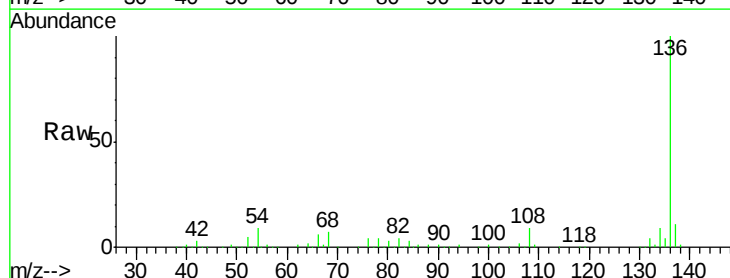
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 8.9 5.8 8.8#

68 6.7 4.2 6.4#

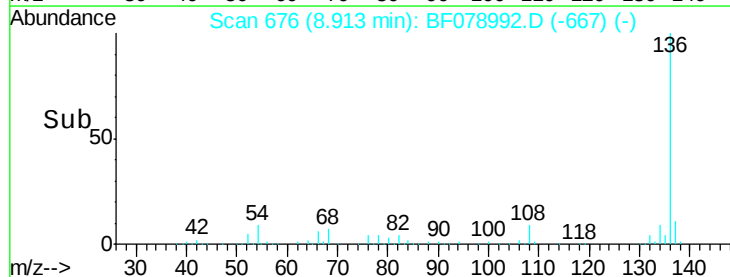
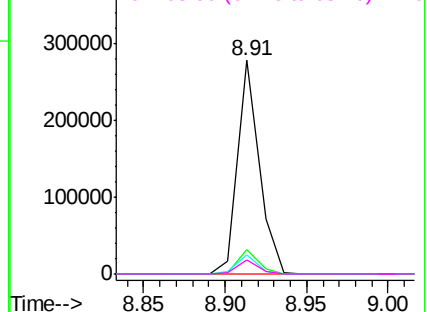


Abundance Ion 136.00 (135.70 to 136.70): E

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

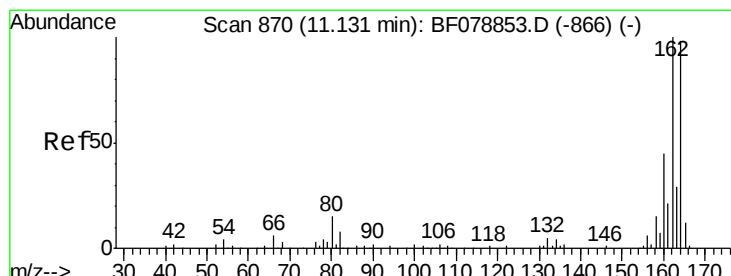
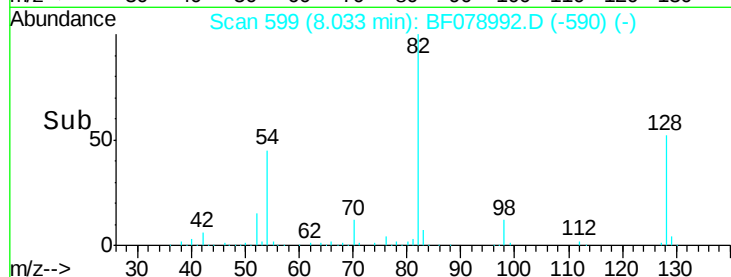
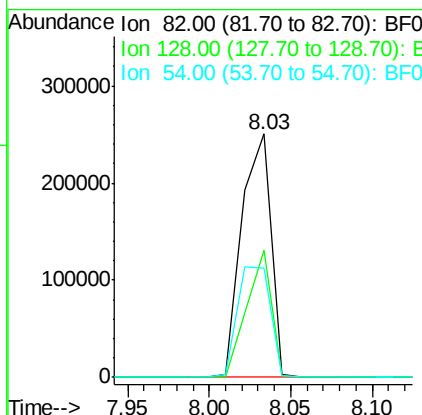
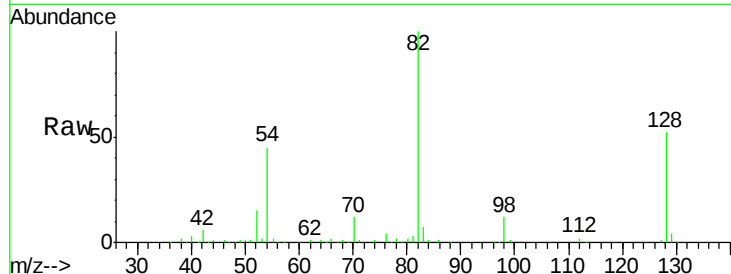




#23  
 Nitrobenzene-d5  
 Concen: 70.80 ng  
 RT: 8.03 min Scan# 599  
 Delta R.T. -0.00 min  
 Lab File: BF078992.D  
 Acq: 7 May 2015 13:27

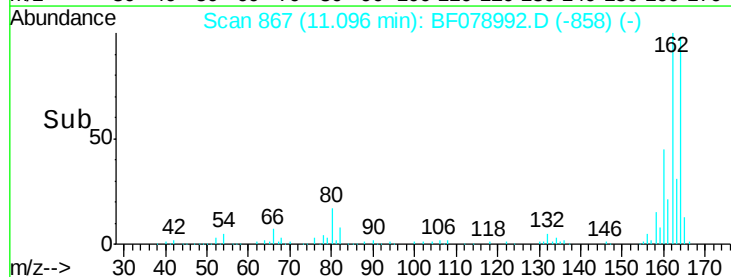
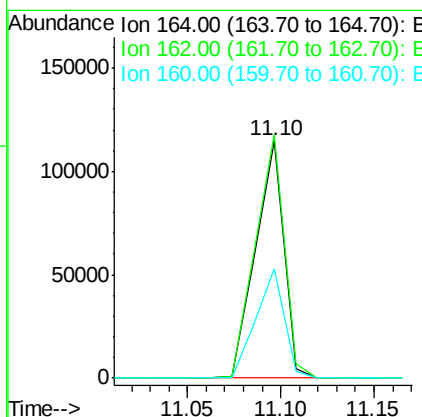
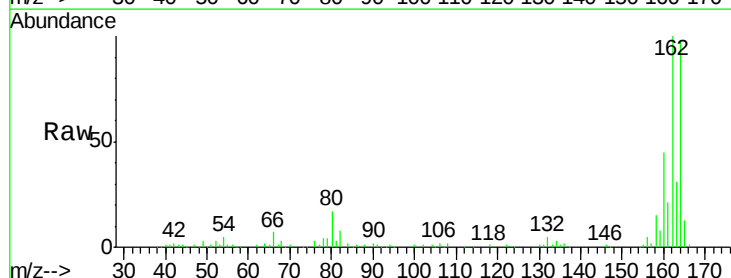
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CF-NATWCS-08

Tot Ion: 82 Resp: 309611  
 Ion Ratio Lower Upper  
 82 100  
 128 52.3 30.0 45.0#  
 54 45.1 46.4 69.6#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.10 min Scan# 867  
 Delta R.T. -0.00 min  
 Lab File: BF078992.D  
 Acq: 7 May 2015 13:27

Tgt Ion:164 Resp: 119293  
 Ion Ratio Lower Upper  
 164 100  
 162 102.4 82.7 124.1  
 160 45.9 35.8 53.8





#41

2,4,6-Tribromophenol

Concen: 121.82 ng

RT: 12.08 min Scan# 953

Delta R.T. -0.00 min

Lab File: BF078992.D

Acq: 7 May 2015 13:27

Instrument :

BNA\_F

ClientSampleId :

CF-NATWCS-08

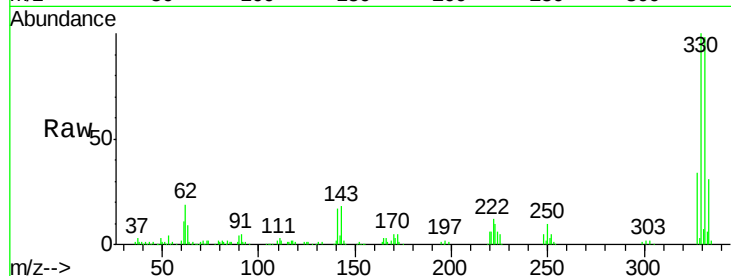
Tot Ion:330 Resp: 157207

Ion Ratio Lower Upper

330 100

332 97.6 0.0 0.0#

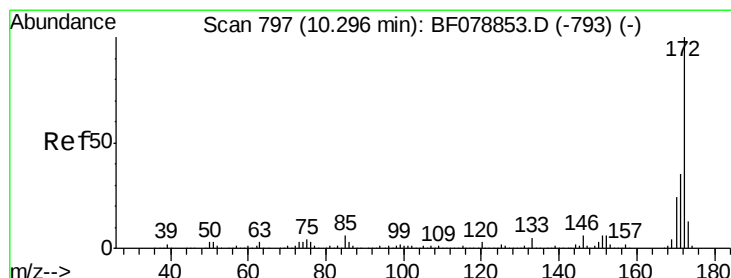
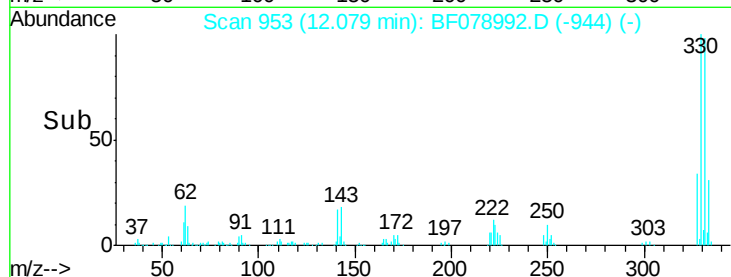
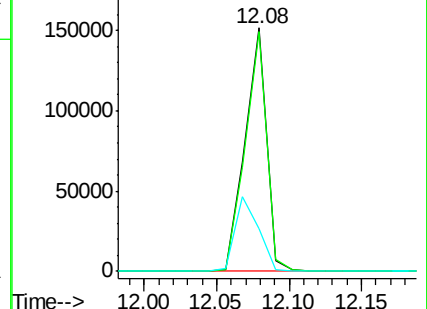
141 32.9 0.0 0.0#



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: 70.95 ng

RT: 10.26 min Scan# 794

Delta R.T. -0.00 min

Lab File: BF078992.D

Acq: 7 May 2015 13:27

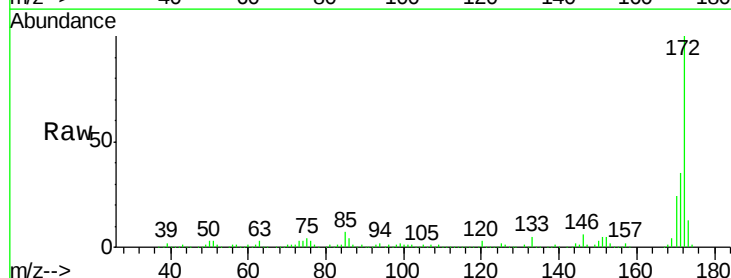
Tgt Ion:172 Resp: 607520

Ion Ratio Lower Upper

172 100

171 34.7 27.9 41.9

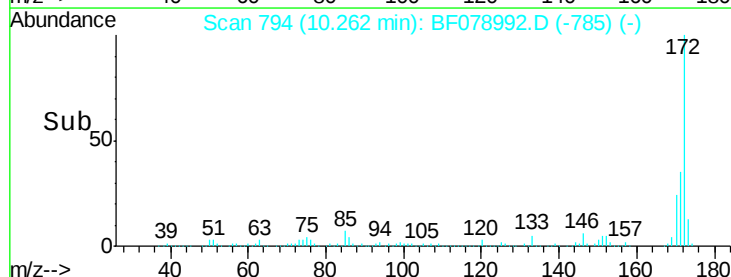
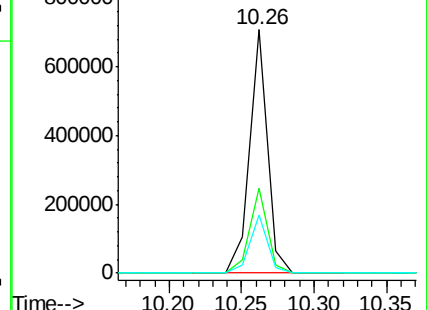
170 23.7 19.4 29.0



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





#49

Dimethylphthalate

Concen: 5.32 ng

RT: 10.76 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF078992.D

Acq: 7 May 2015 13:27

Instrument :

BNA\_F

ClientSampleId :

CF-NATWCS-08

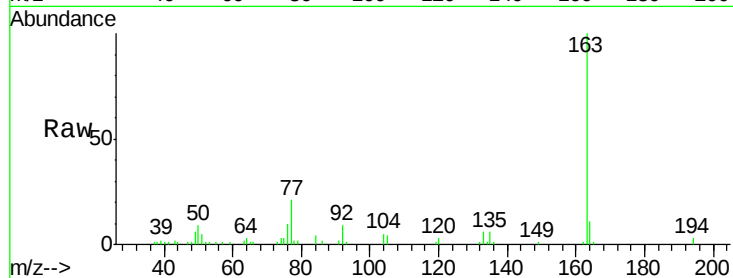
Tot Ion:163 Resp: 46559

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

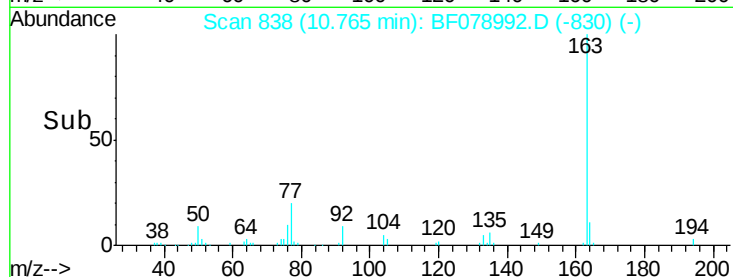
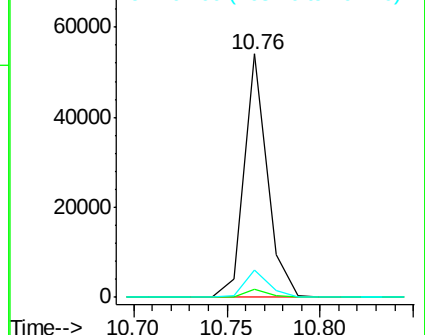
164 11.0 8.1 12.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.94 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF078992.D

Acq: 7 May 2015 13:27

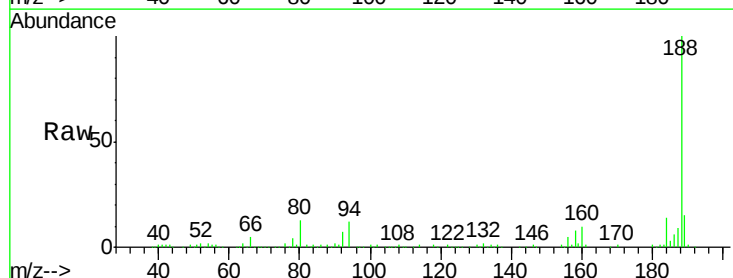
Tgt Ion:188 Resp: 235397

Ion Ratio Lower Upper

188 100

94 11.8 8.2 12.2

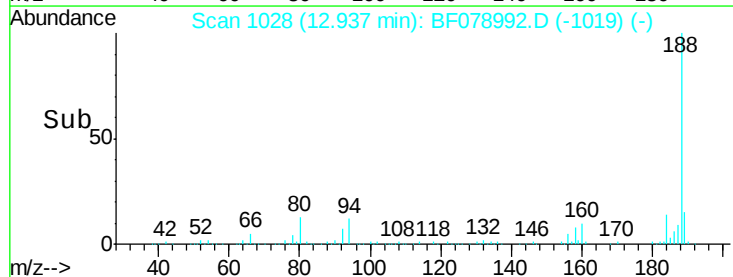
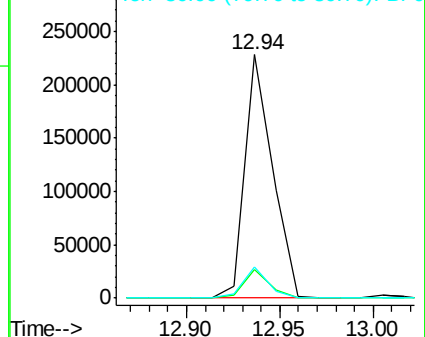
80 13.0 8.9 13.3

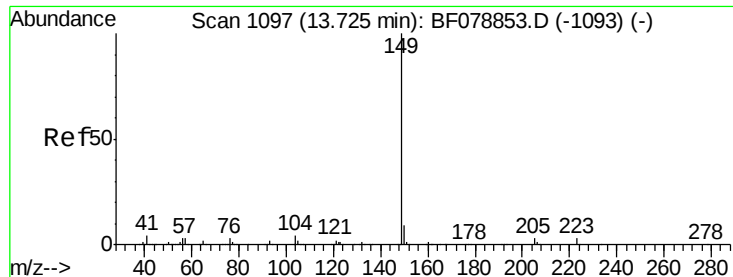


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#73

Di-n-butylphthalate

Concen: 3.66 ng

RT: 13.66 min Scan# 1091

Delta R.T. -0.03 min

Lab File: BF078992.D

Acq: 7 May 2015 13:27

Instrument :

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ClientSampleId :

CF-NATWCS-08

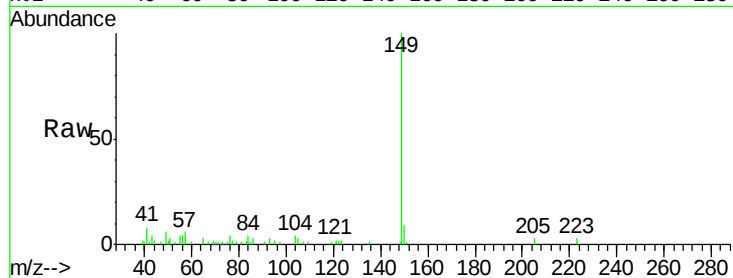
Tot Ion:149 Resp: 54066

Ion Ratio Lower Upper

149 100

150 8.8 7.7 11.5

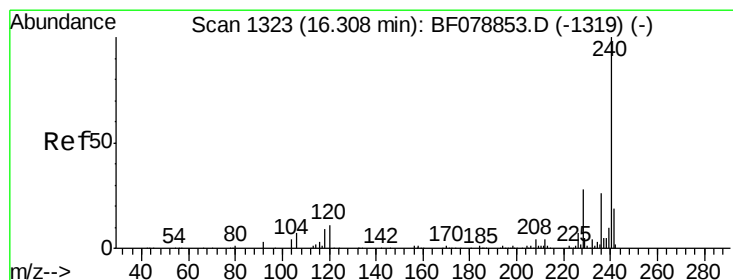
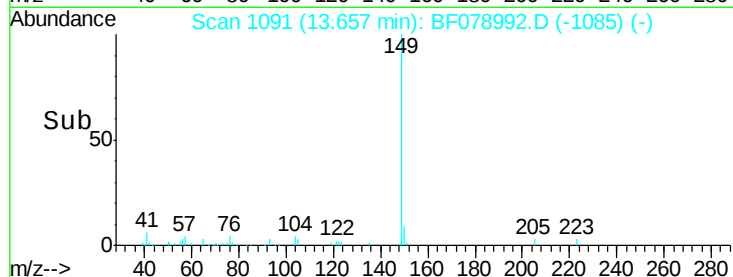
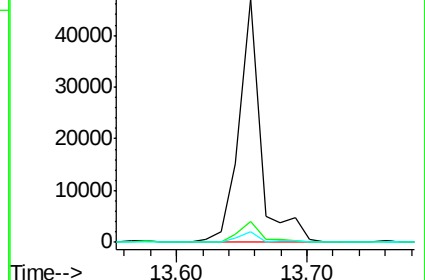
104 4.5 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.29 min Scan# 1321

Delta R.T. 0.01 min

Lab File: BF078992.D

Acq: 7 May 2015 13:27

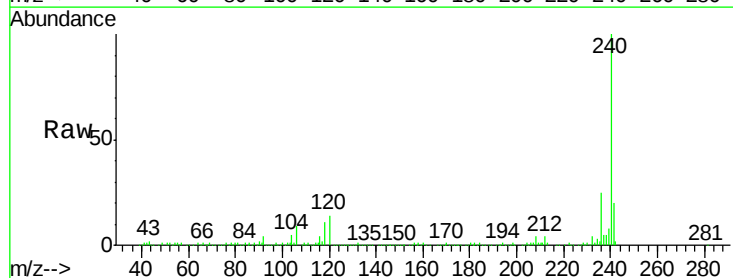
Tgt Ion:240 Resp: 257797

Ion Ratio Lower Upper

240 100

120 13.6 9.7 14.5

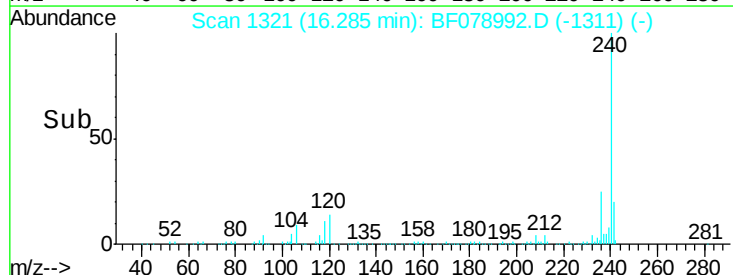
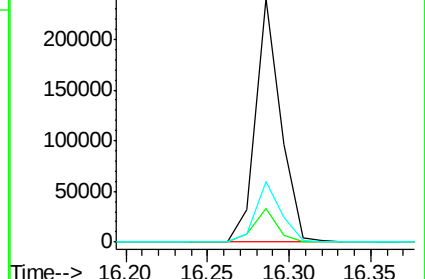
236 25.1 20.2 30.4

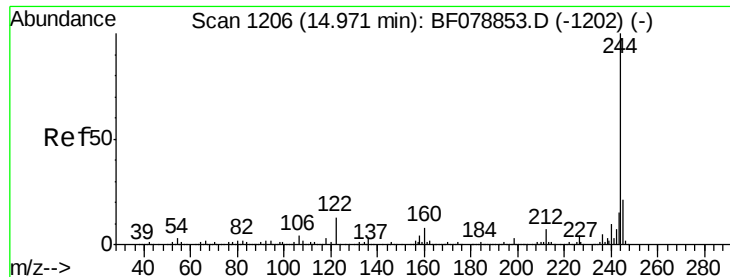


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 61.42 ng

RT: 14.94 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BF078992.D

Acq: 7 May 2015 13:27

Instrument :

BNA\_F

ClientSampleId :

CF-NATWCS-08

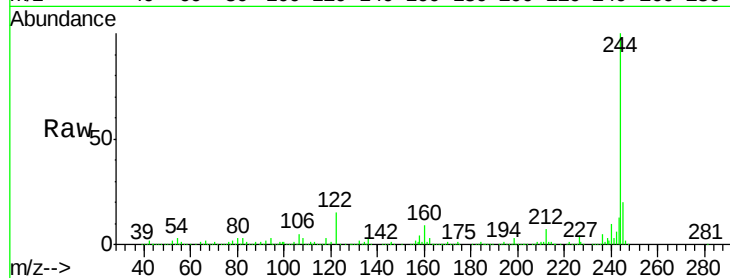
Tot Ion:244 Resp: 661306

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

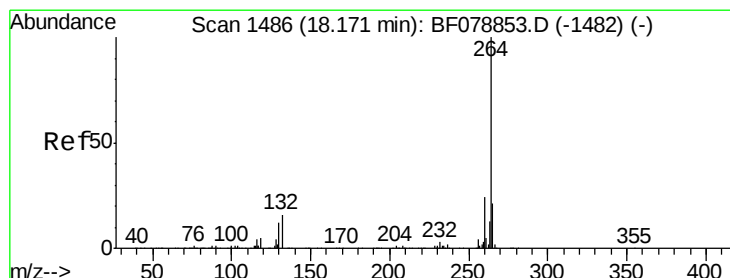
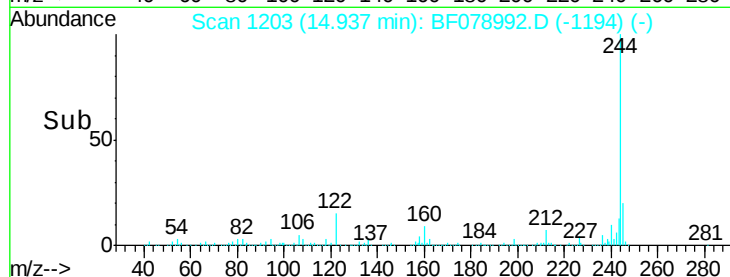
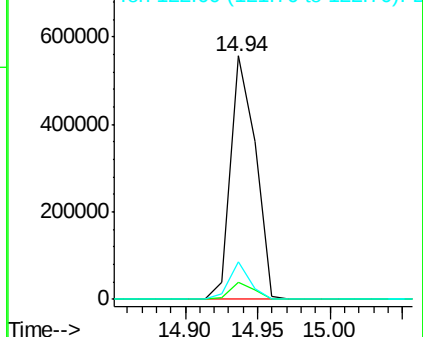
122 15.3 10.3 15.5



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: 18.18 min Scan# 1487

Delta R.T. 0.05 min

Lab File: BF078992.D

Acq: 7 May 2015 13:27

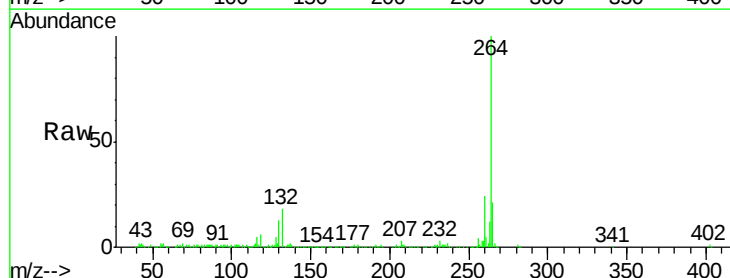
Tgt Ion:264 Resp: 272537

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 21.2 18.3 27.5



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

