

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050415\  
 Data File : BF078912.D  
 Acq On : 4 May 2015 12:08  
 Operator : TP/IZ  
 Sample : G1999-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWL-C4-GW

Quant Time: May 05 01:19:56 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 05 00:58:01 2015  
 Response via : Initial Calibration

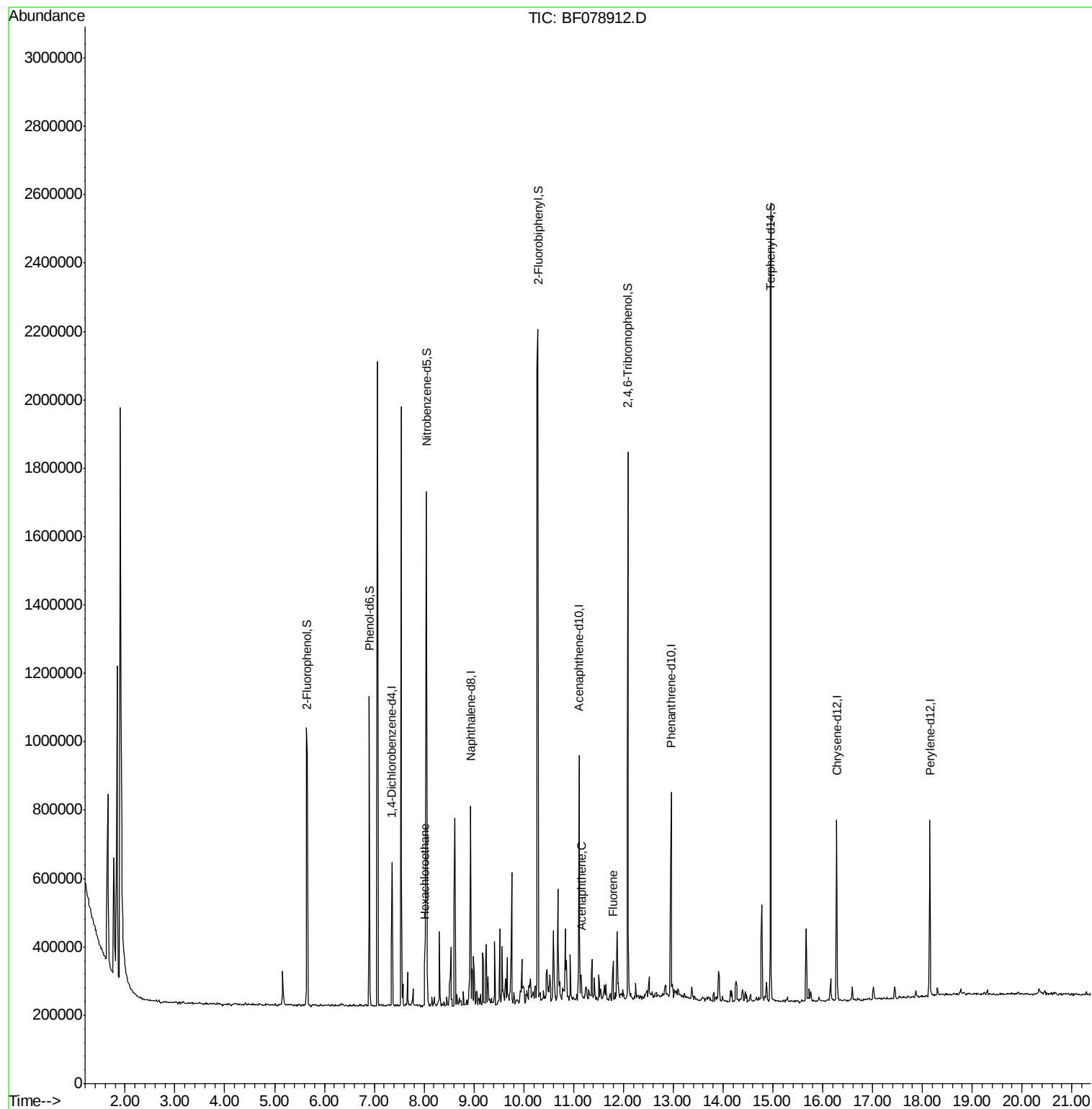
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.36  | 152  | 69377    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.94  | 136  | 285203   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 11.11 | 164  | 142421   | 20.00  | ng    | -0.01          |
| 63) Phenanthrene-d10        | 12.96 | 188  | 276126   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 16.29 | 240  | 278593   | 20.00  | ng    | -0.03          |
| 86) Perylene-d12            | 18.15 | 264  | 271527   | 20.00  | ng    | -0.09          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.66  | 112  | 329608   | 81.78  | ng    | 0.01           |
| 7) Phenol-d6                | 6.90  | 99   | 312996   | 58.75  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 8.04  | 82   | 432072   | 87.07  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 12.09 | 330  | 221991   | 144.08 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 10.29 | 172  | 918283   | 89.83  | ng    | 0.00           |
| 78) Terphenyl-d14           | 14.96 | 244  | 1129449  | 97.06  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 18) Hexachloroethane        | 8.01  | 117  | 26636    | 14.62  | ng    | Qvalue<br># 23 |
| 51) Acenaphthene            | 11.15 | 154  | 19951    | 2.31   | ng    | 93             |
| 57) Fluorene                | 11.79 | 166  | 31814    | 3.10   | ng    | 99             |

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

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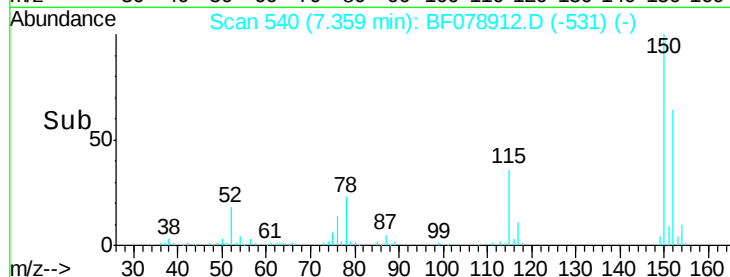
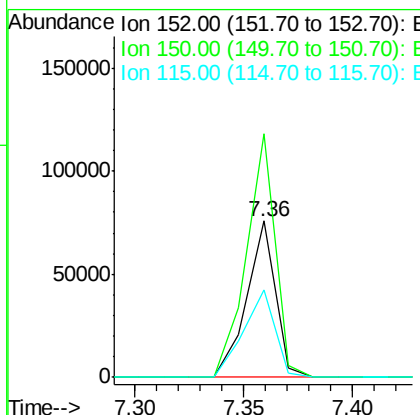
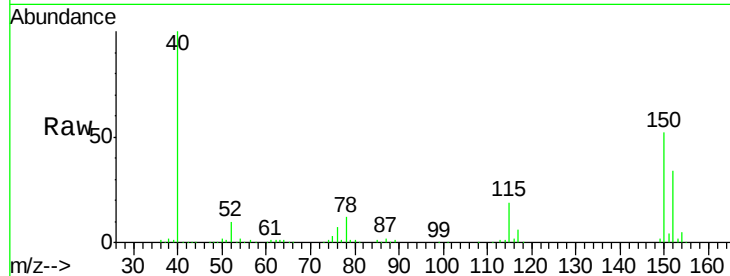




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.36 min Scan# 540  
 Delta R.T. 0.00 min  
 Lab File: BF078912.D  
 Acq: 4 May 2015 12:08

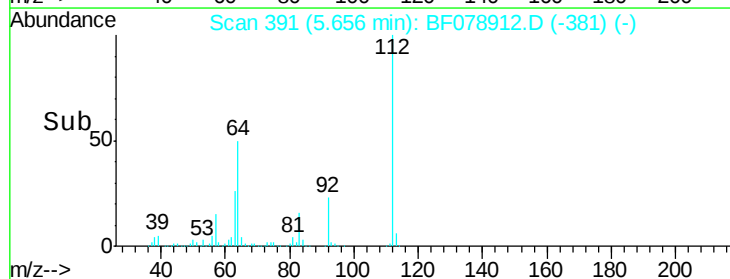
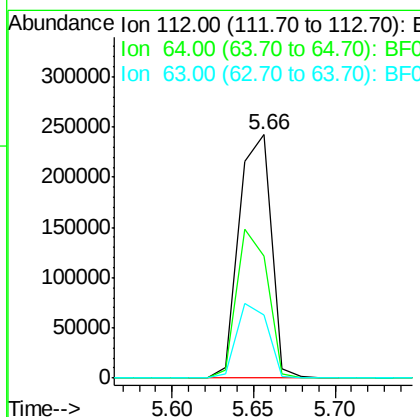
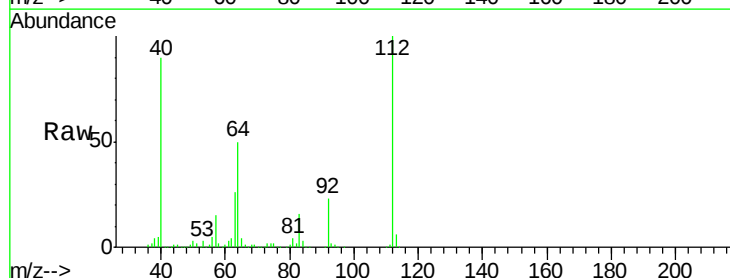
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWL-C4-GW

Tgt Ion:152 Resp: 69377  
 Ion Ratio Lower Upper  
 152 100  
 150 155.6 122.0 183.0  
 115 55.8 46.3 69.5



#5  
 2-Fluorophenol  
 Concen: 81.78 ng  
 RT: 5.66 min Scan# 391  
 Delta R.T. 0.01 min  
 Lab File: BF078912.D  
 Acq: 4 May 2015 12:08

Tgt Ion:112 Resp: 329608  
 Ion Ratio Lower Upper  
 112 100  
 64 50.1 53.5 80.3#  
 63 25.9 27.5 41.3#





#7

Phenol-d6

Concen: 58.75 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF078912.D

Acq: 4 May 2015 12:08

Instrument :

BNA\_F

ClientSampleId :

OWL-C4-GW

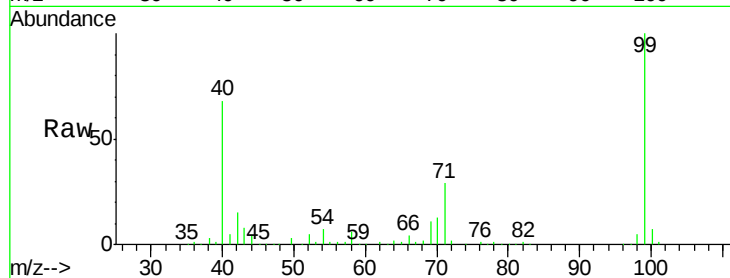
Tgt Ion: 99 Resp: 312996

Ion Ratio Lower Upper

99 100

42 15.2 12.8 19.2

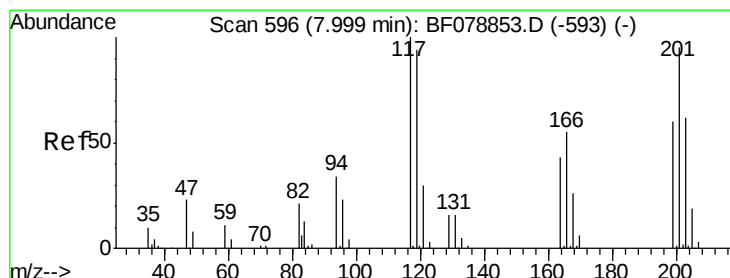
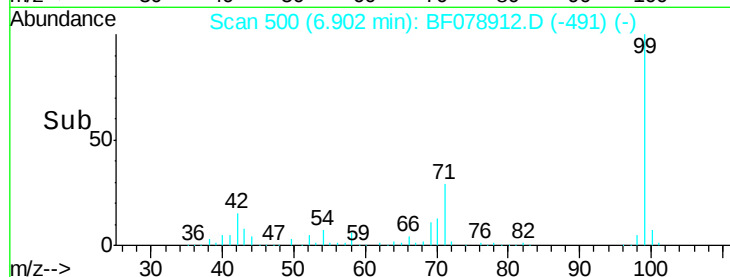
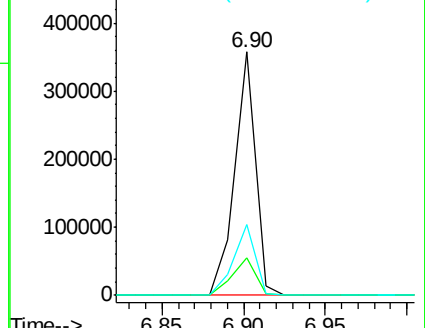
71 29.3 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)

Ion 42.00 (41.70 to 42.70): BF078853.D (-498) (-)

Ion 71.00 (70.70 to 71.70): BF078853.D (-498) (-)



#18

Hexachloroethane

Concen: 14.62 ng

RT: 8.01 min Scan# 597

Delta R.T. 0.02 min

Lab File: BF078912.D

Acq: 4 May 2015 12:08

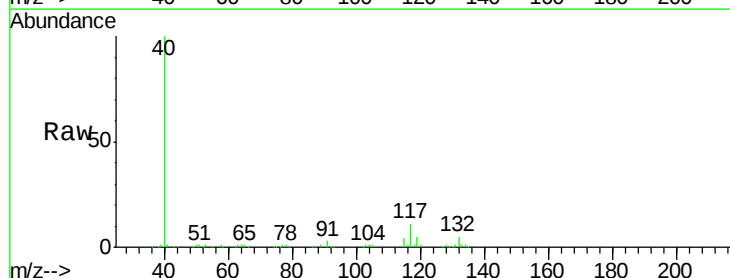
Tgt Ion: 117 Resp: 26636

Ion Ratio Lower Upper

117 100

119 46.2 75.4 113.0#

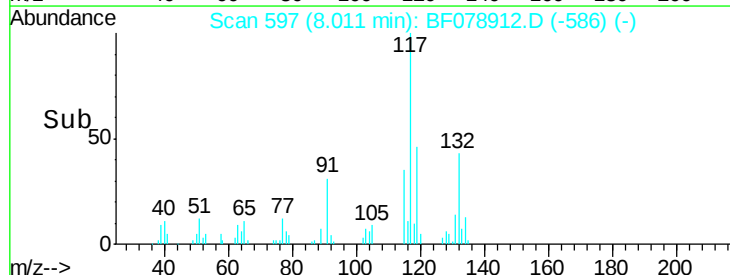
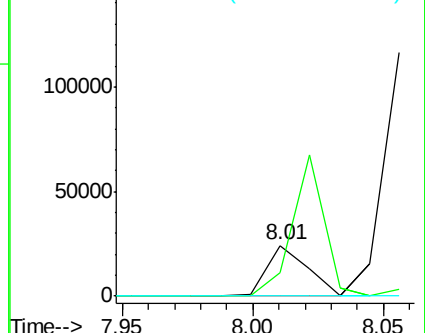
201 0.0 83.2 124.8#

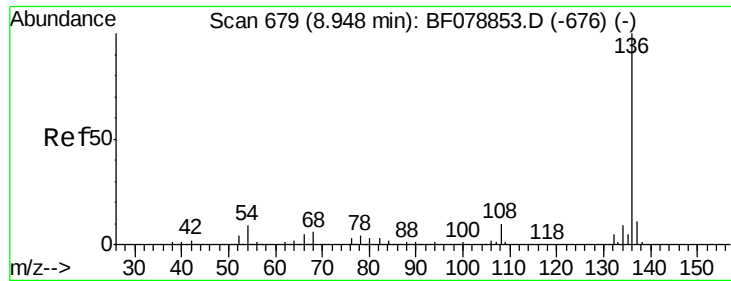


Abundance Ion 117.00 (116.70 to 117.70): BF078853.D (-593) (-)

Ion 119.00 (118.70 to 119.70): BF078853.D (-593) (-)

Ion 201.00 (200.70 to 201.70): BF078853.D (-593) (-)

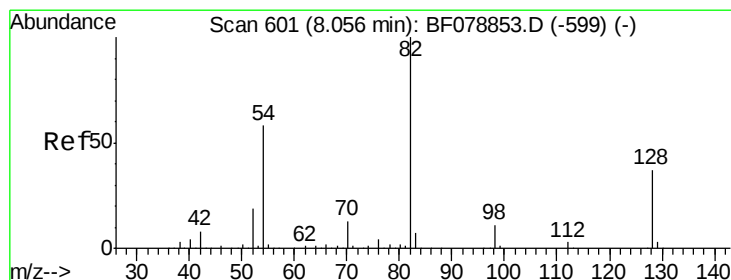
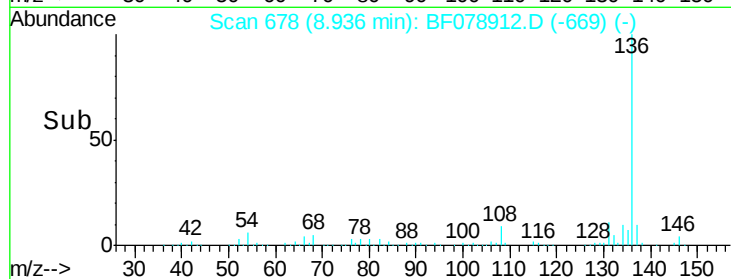
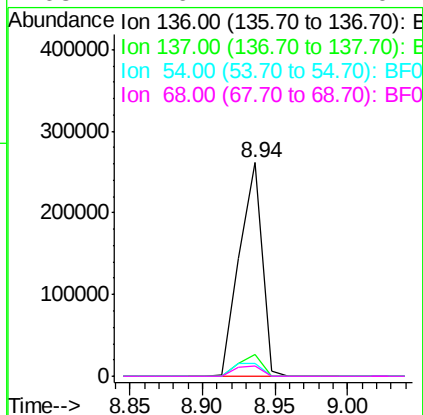
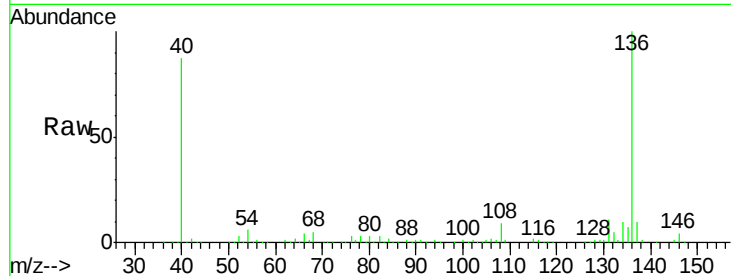




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.94 min Scan# 678  
Delta R.T. 0.00 min  
Lab File: BF078912.D  
Acq: 4 May 2015 12:08

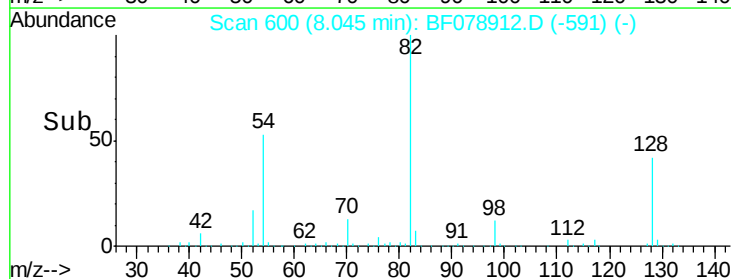
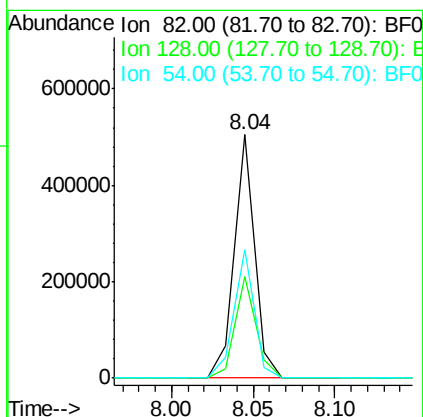
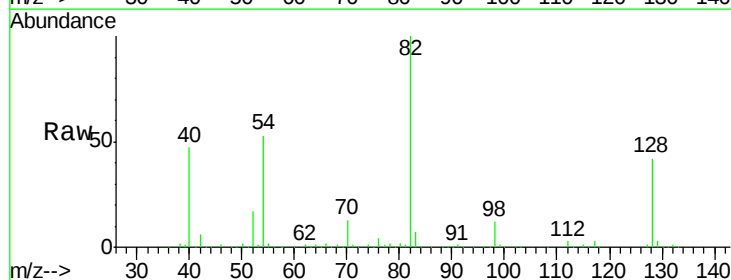
Instrument :  
BNA\_F  
ClientSampleId :  
OWL-C4-GW

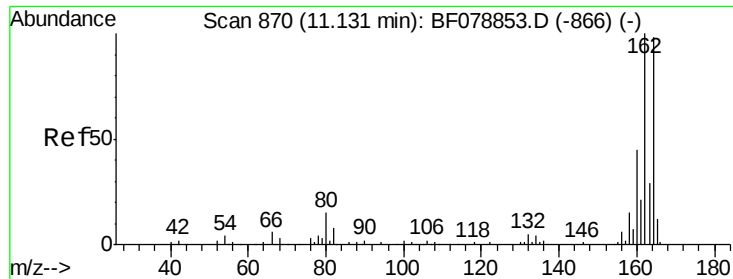
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 285203 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.4  | 8.7   | 13.1   |
| 54       | 6.1   | 5.8   | 8.8    |
| 68       | 4.6   | 4.2   | 6.4    |



#23  
Nitrobenzene-d5  
Concen: 87.07 ng  
RT: 8.04 min Scan# 600  
Delta R.T. 0.00 min  
Lab File: BF078912.D  
Acq: 4 May 2015 12:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 432072 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.9  | 30.0  | 45.0   |
| 54       | 52.7  | 46.4  | 69.6   |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.11 min Scan# 868

Delta R.T. -0.01 min

Lab File: BF078912.D

Acq: 4 May 2015 12:08

Instrument :

BNA\_F

ClientSampleId :

OWL-C4-GW

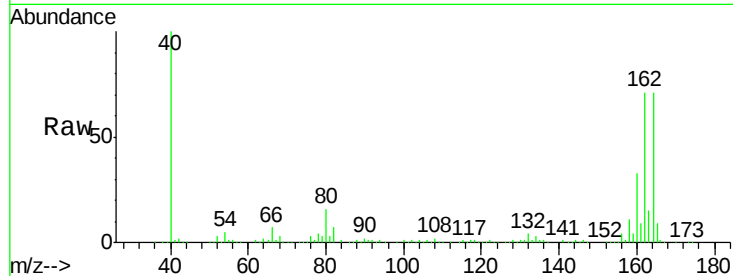
Tgt Ion:164 Resp: 142421

Ion Ratio Lower Upper

164 100

162 100.2 82.7 124.1

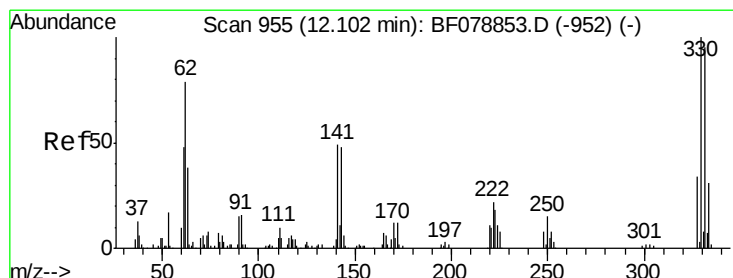
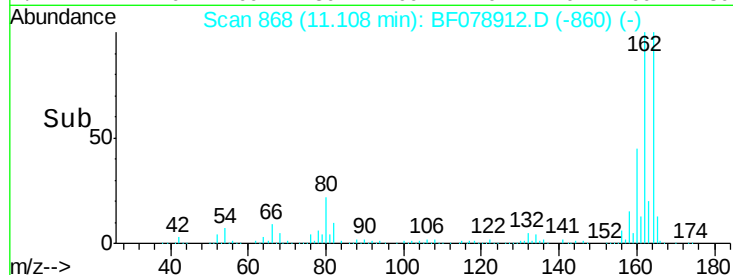
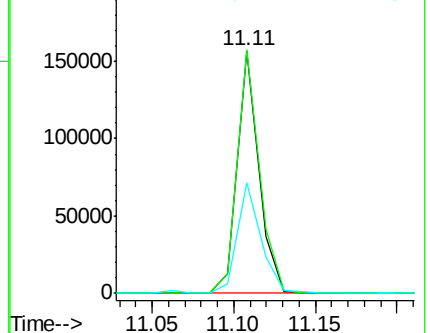
160 45.7 35.8 53.8



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: 144.08 ng

RT: 12.09 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF078912.D

Acq: 4 May 2015 12:08

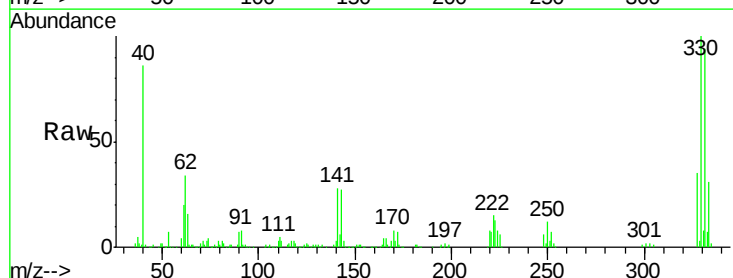
Tgt Ion:330 Resp: 221991

Ion Ratio Lower Upper

330 100

332 94.9 0.0 0.0#

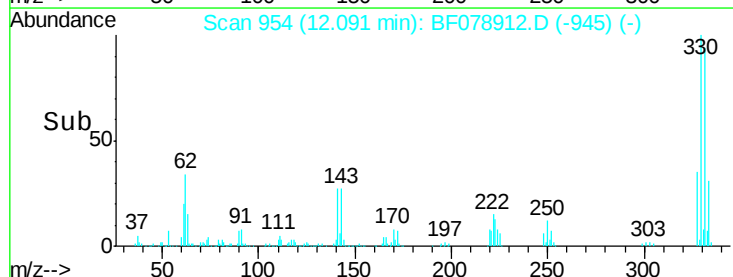
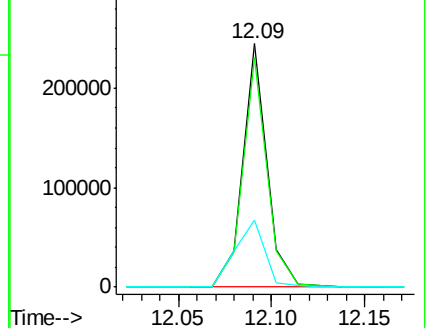
141 34.5 0.0 0.0#



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

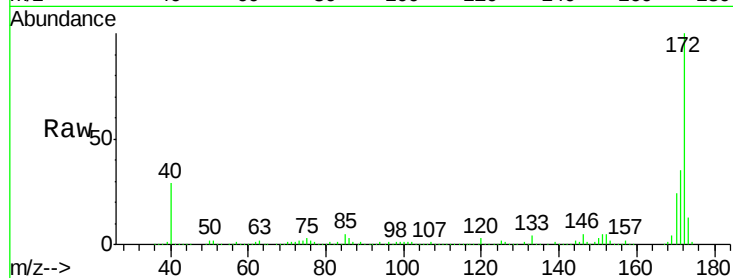




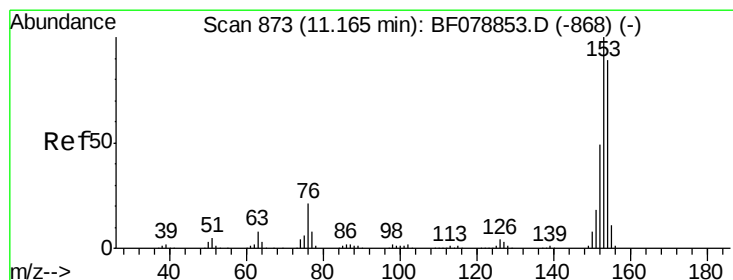
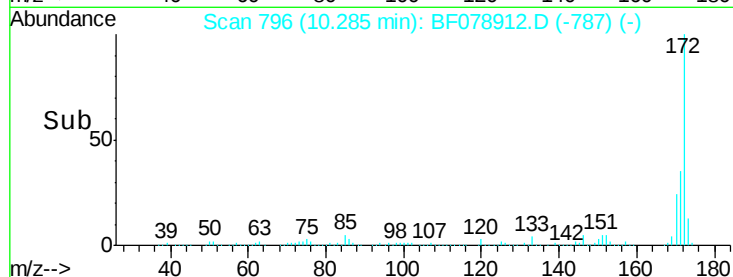
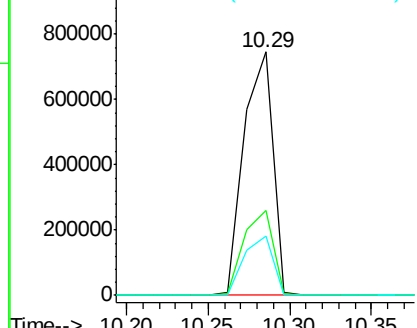
#44  
 2-Fluorobiphenyl  
 Concen: 89.83 ng  
 RT: 10.29 min Scan# 796  
 Delta R.T. 0.00 min  
 Lab File: BF078912.D  
 Acq: 4 May 2015 12:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWL-C4-GW

Tgt Ion:172 Resp: 918283  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 27.9 41.9  
 170 24.5 19.4 29.0

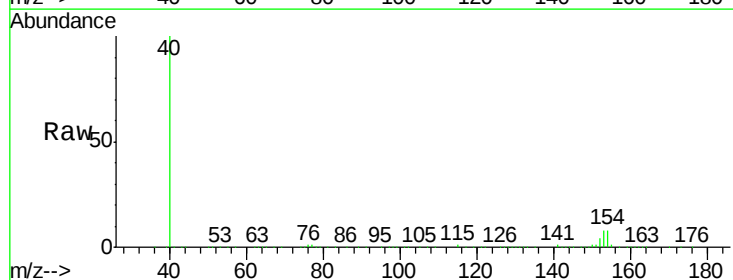


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

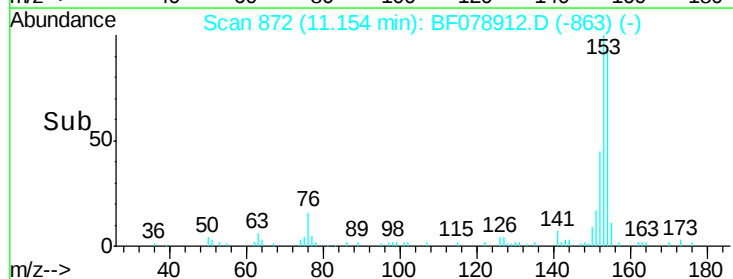
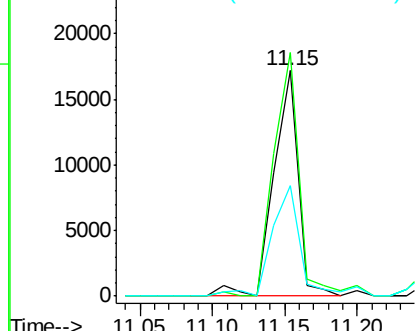


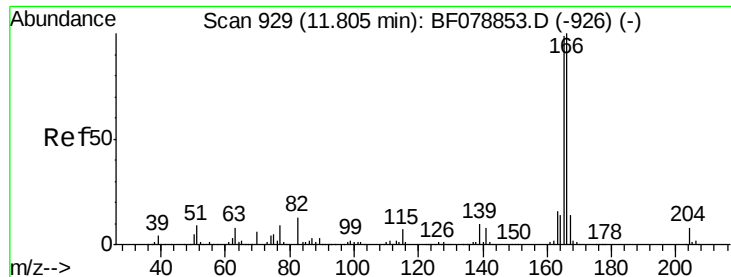
#51  
 Acenaphthene  
 Concen: 2.31 ng  
 RT: 11.15 min Scan# 872  
 Delta R.T. 0.00 min  
 Lab File: BF078912.D  
 Acq: 4 May 2015 12:08

Tgt Ion:154 Resp: 19951  
 Ion Ratio Lower Upper  
 154 100  
 153 108.1 91.5 137.3  
 152 49.1 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 152.00 (151.70 to 152.70): E

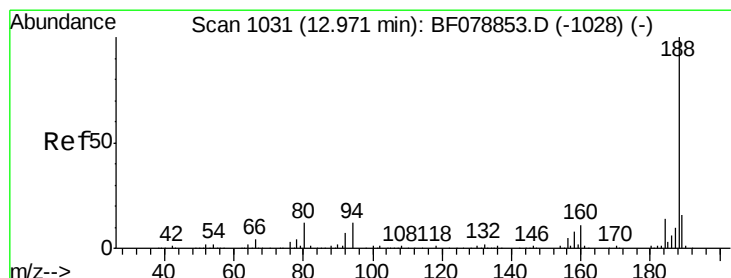
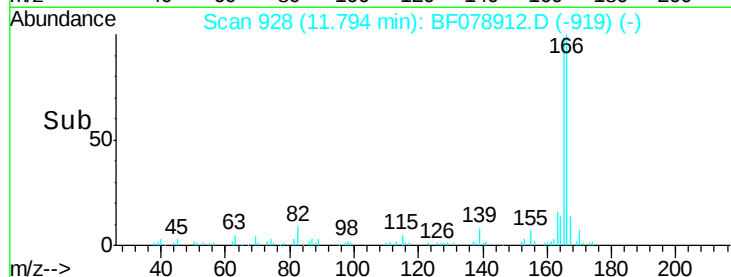
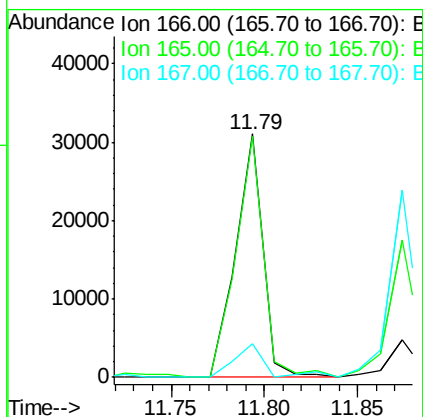
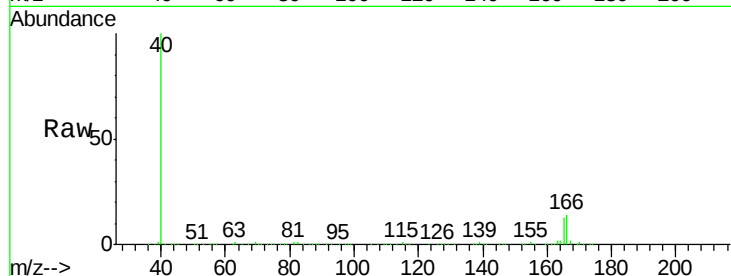




#57  
 Fluorene  
 Concen: 3.10 ng  
 RT: 11.79 min Scan# 928  
 Delta R.T. 0.00 min  
 Lab File: BF078912.D  
 Acq: 4 May 2015 12:08

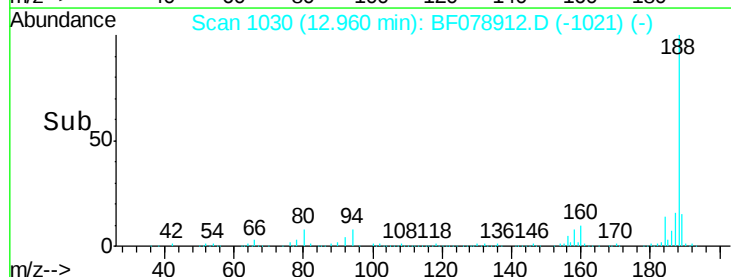
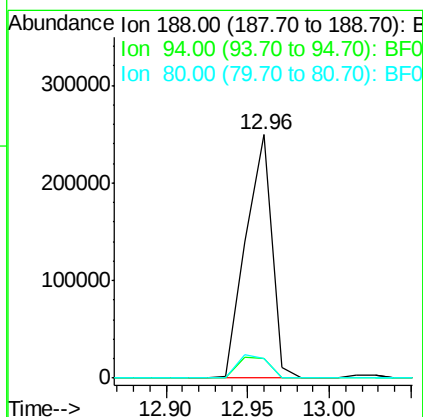
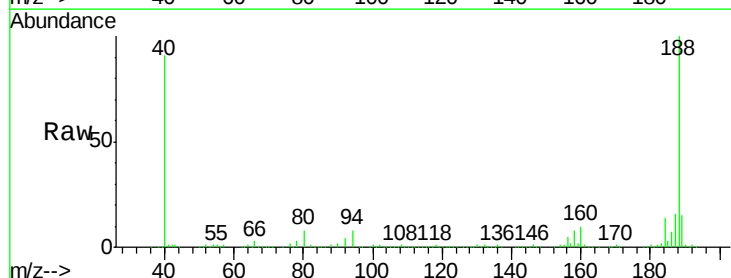
Instrument :  
 BNA\_F  
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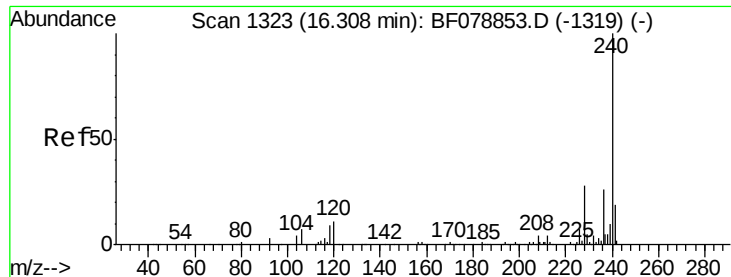
Tgt Ion:166 Resp: 31814  
 Ion Ratio Lower Upper  
 166 100  
 165 99.0 78.5 117.7  
 167 13.8 11.0 16.6



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 12.96 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: BF078912.D  
 Acq: 4 May 2015 12:08

Tgt Ion:188 Resp: 276126  
 Ion Ratio Lower Upper  
 188 100  
 94 7.8 8.2 12.2#  
 80 8.0 8.9 13.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.29 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF078912.D

Acq: 4 May 2015 12:08

Instrument :

BNA\_F

ClientSampleId :

OWL-C4-GW

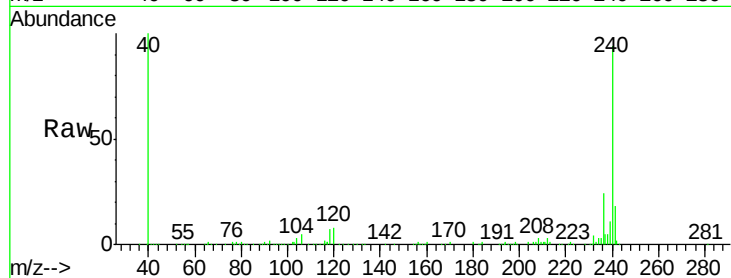
Tgt Ion:240 Resp: 278593

Ion Ratio Lower Upper

240 100

120 9.0 9.7 14.5#

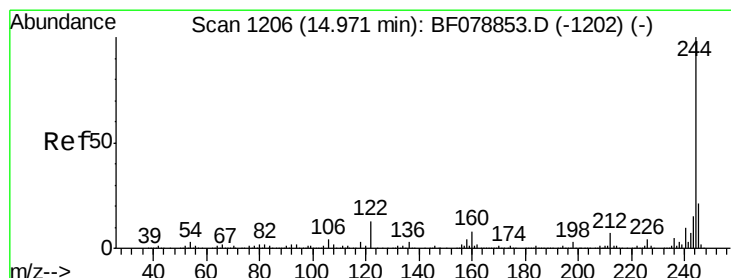
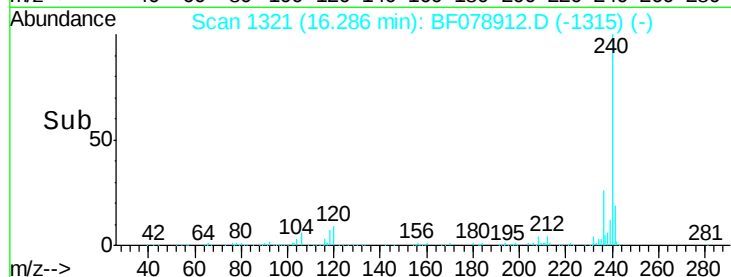
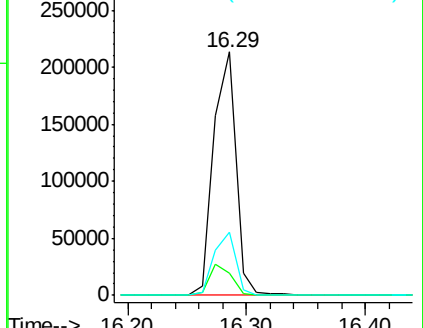
236 25.8 20.2 30.4



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: 97.06 ng

RT: 14.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF078912.D

Acq: 4 May 2015 12:08

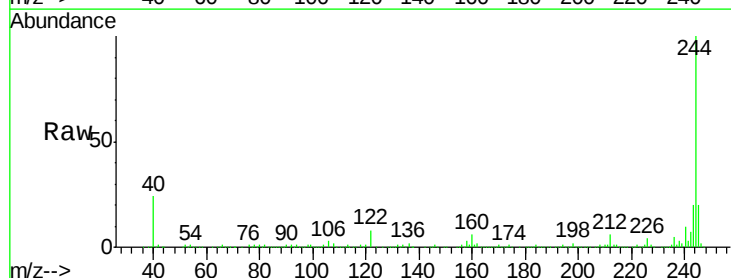
Tgt Ion:244 Resp: 1129449

Ion Ratio Lower Upper

244 100

212 6.1 5.6 8.4

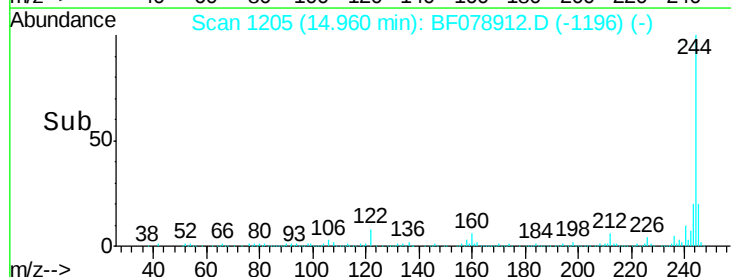
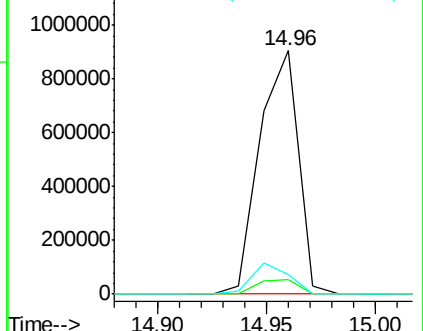
122 8.1 10.3 15.5#

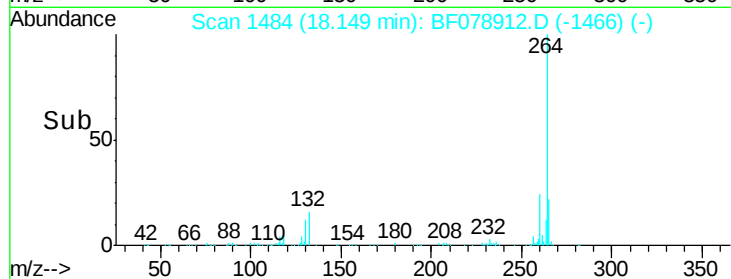
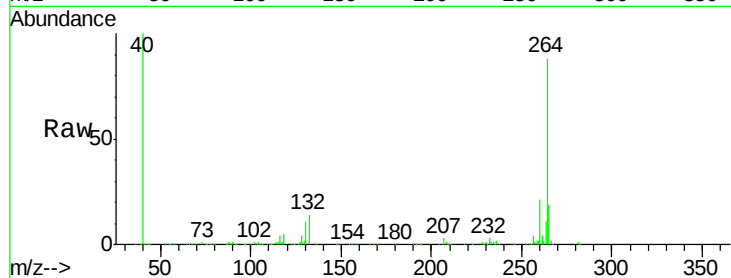
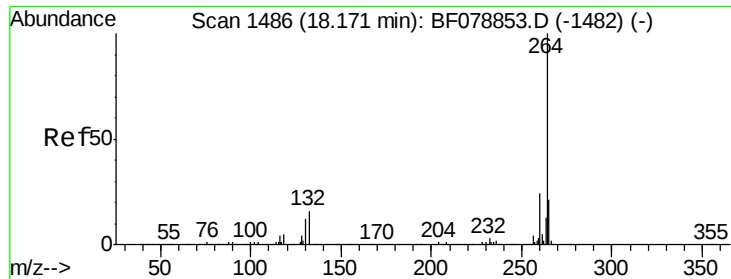


Abundance Ion 244.00 (243.70 to 244.70): E

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: 18.15 min Scan# 1484

Delta R.T. -0.09 min

Lab File: BF078912.D

Acq: 4 May 2015 12:08

Instrument :

BNA\_F

ClientSampleId :

OWL-C4-GW

Tgt Ion: 264 Resp: 271527

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

265 22.0 18.3 27.5

