

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF043015\  
 Data File : BF078879.D  
 Acq On : 1 May 2015 6:21  
 Operator : TP/IZ  
 Sample : G2032-04  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B2(5-7)

Quant Time: May 01 07:13:42 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 01 07:00:39 2015  
 Response via : Initial Calibration

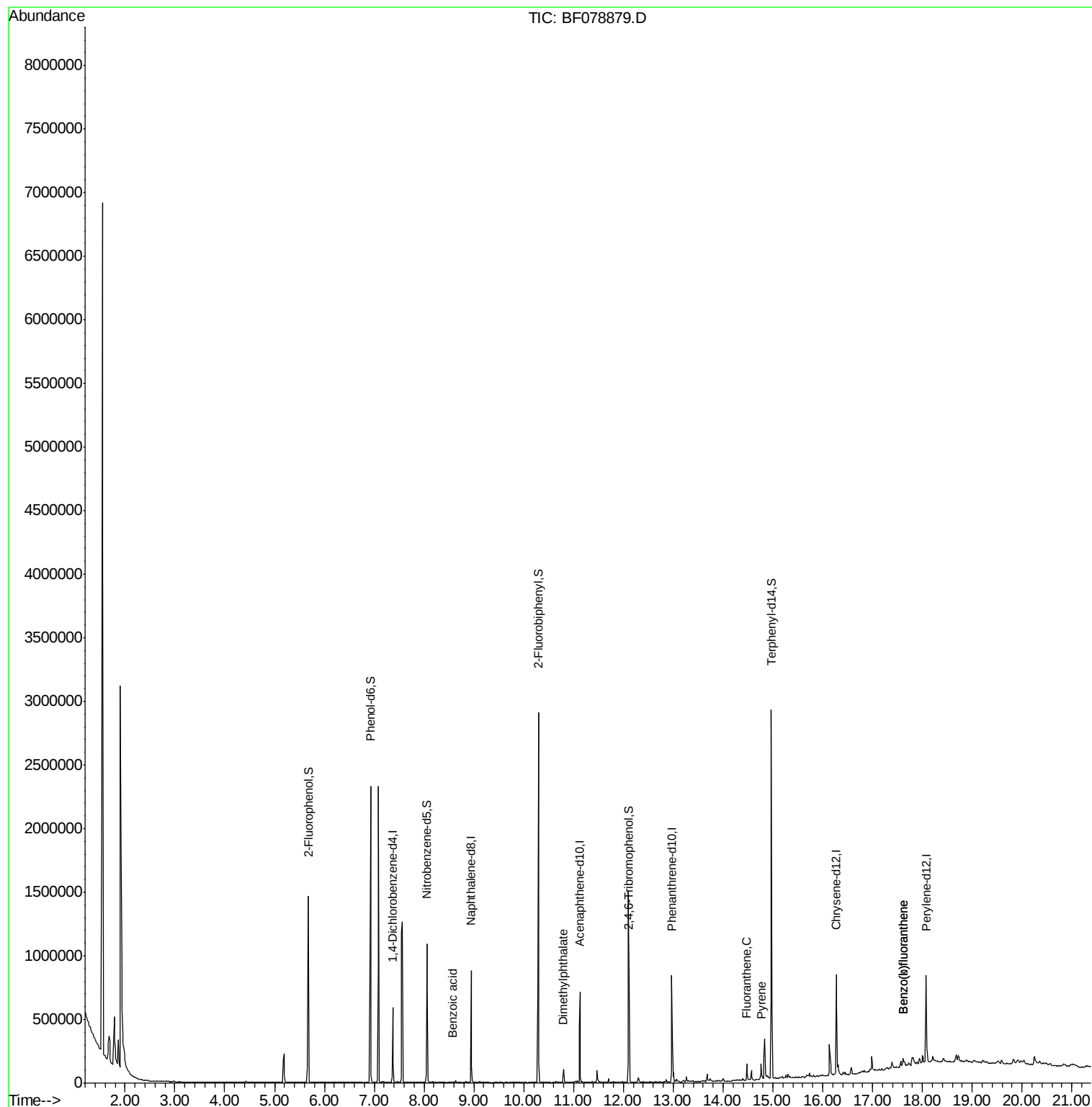
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.37  | 152  | 87967    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.95  | 136  | 368229   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 11.13 | 164  | 174835   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 12.97 | 188  | 333078   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 16.27 | 240  | 342031   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 18.08 | 264  | 374477   | 20.00  | ng    | 0.05           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.68  | 112  | 606684   | 118.72 | ng    | 0.01           |
| 7) Phenol-d6                | 6.92  | 99   | 855065   | 126.58 | ng    | 0.01           |
| 23) Nitrobenzene-d5         | 8.06  | 82   | 442763   | 69.11  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 12.11 | 330  | 223616   | 118.23 | ng    | 0.01           |
| 44) 2-Fluorobiphenyl        | 10.30 | 172  | 878059   | 69.97  | ng    | 0.00           |
| 78) Terphenyl-d14           | 14.97 | 244  | 962724   | 67.39  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 32) Benzoic acid            | 8.57  | 122  | 225      | 6.37   | ng    | Qvalue<br># 49 |
| 49) Dimethylphthalate       | 10.80 | 163  | 42752    | 3.33   | ng    | 99             |
| 74) Fluoranthene            | 14.48 | 202  | 59020    | 3.04   | ng    | 99             |
| 77) Pyrene                  | 14.77 | 202  | 54679    | 2.77   | ng    | 97             |
| 87) Benzo(b)fluoranthene    | 17.61 | 252  | 58143    | 2.84   | ng    | 97             |
| 88) Benzo(k)fluoranthene    | 17.61 | 252  | 58449    | 2.95   | ng    | 98             |

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

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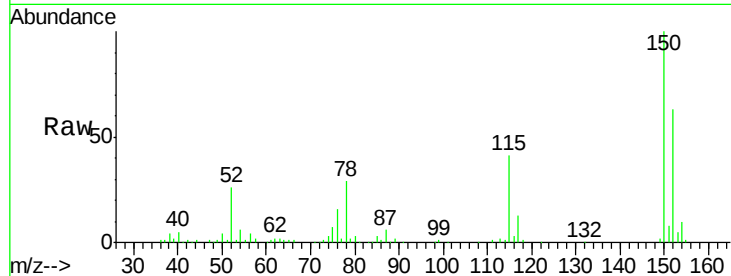




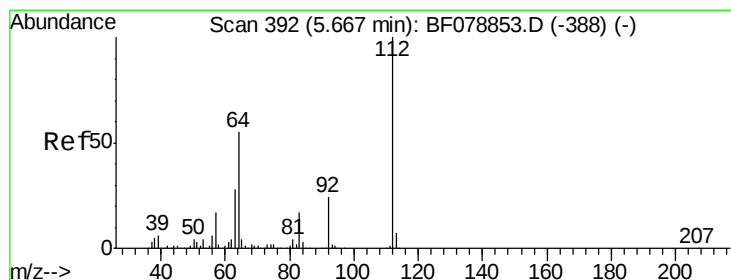
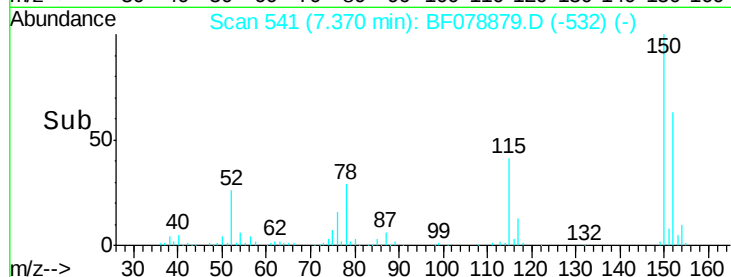
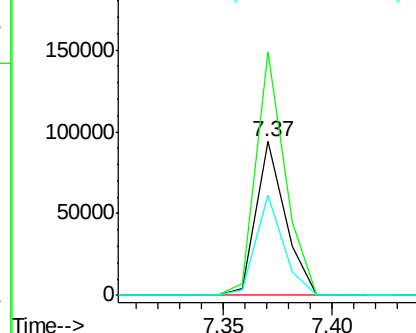
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.37 min Scan# 541  
 Delta R.T. -0.00 min  
 Lab File: BF078879.D  
 Acq: 1 May 2015 6:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B2(5-7)

Tgt Ion:152 Resp: 87967  
 Ion Ratio Lower Upper  
 152 100  
 150 158.2 122.0 183.0  
 115 64.8 46.3 69.5

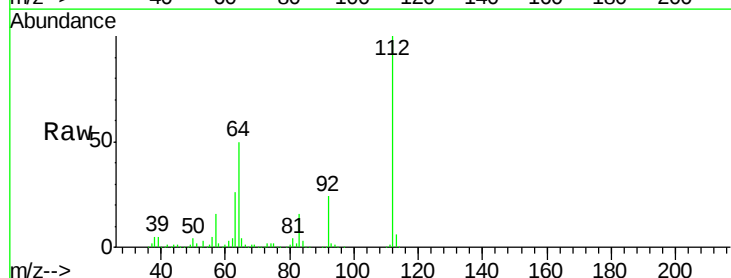


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

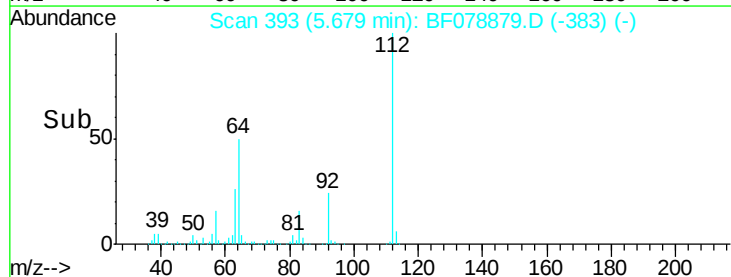
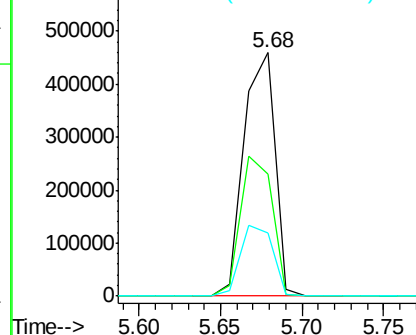


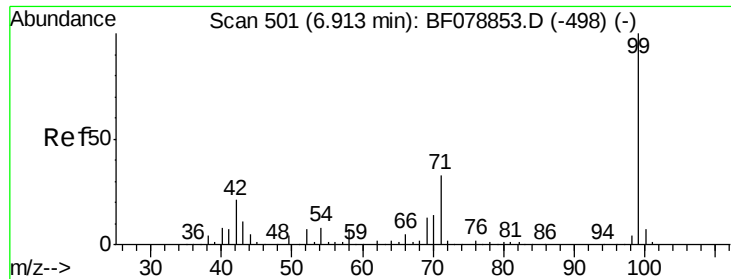
#5  
 2-Fluorophenol  
 Concen: 118.72 ng  
 RT: 5.68 min Scan# 393  
 Delta R.T. 0.01 min  
 Lab File: BF078879.D  
 Acq: 1 May 2015 6:21

Tgt Ion:112 Resp: 606684  
 Ion Ratio Lower Upper  
 112 100  
 64 50.4 53.5 80.3#  
 63 25.9 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: 126.58 ng

RT: 6.92 min Scan# 502

Delta R.T. 0.01 min

Lab File: BF078879.D

Acq: 1 May 2015 6:21

Instrument :

BNA\_F

ClientSampleId :

B2(5-7)

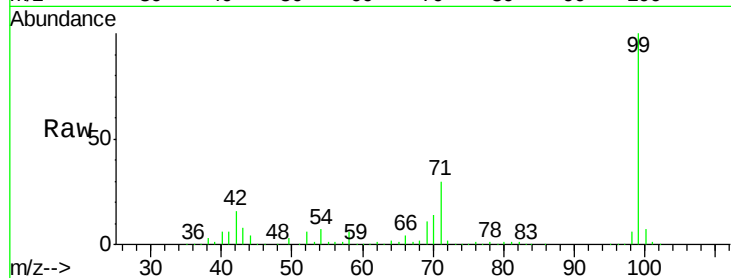
Tgt Ion: 99 Resp: 855065

Ion Ratio Lower Upper

99 100

42 16.2 12.8 19.2

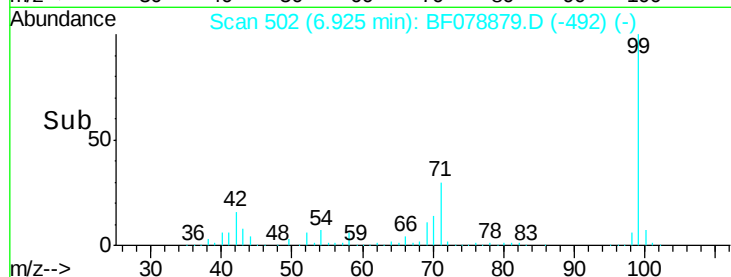
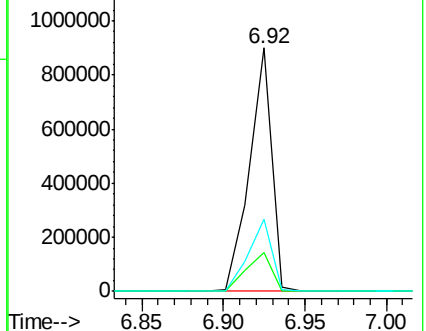
71 29.6 23.4 35.2



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: 8.95 min Scan# 679

Delta R.T. -0.00 min

Lab File: BF078879.D

Acq: 1 May 2015 6:21

Tgt Ion: 136 Resp: 368229

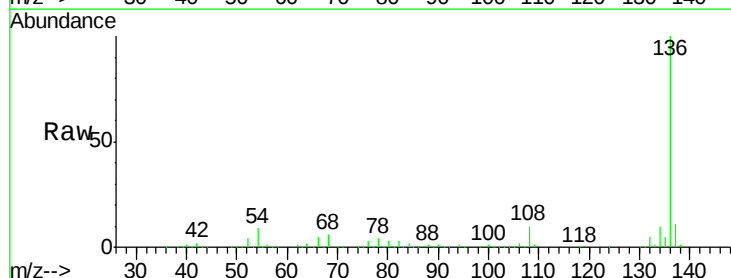
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 8.6 5.8 8.8

68 6.3 4.2 6.4

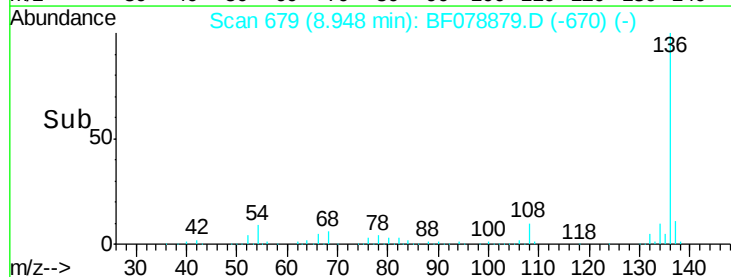
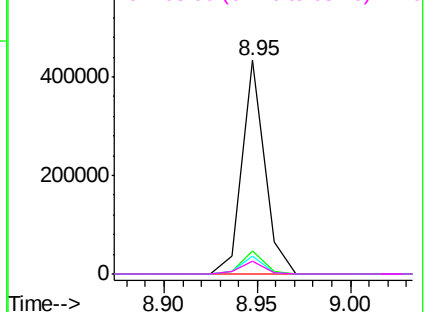


Abundance Ion 136.00 (135.70 to 136.70): E

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

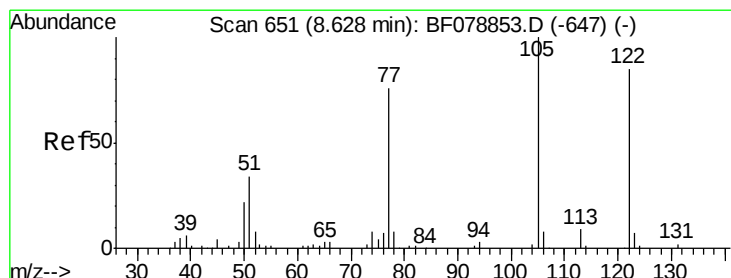
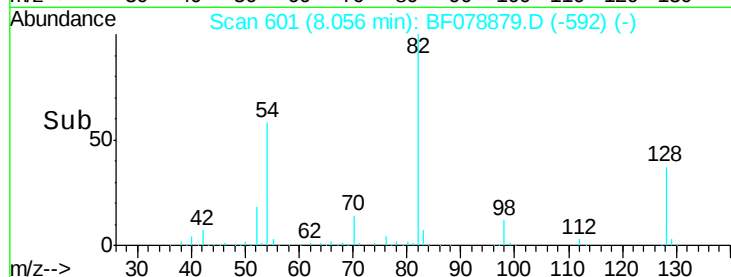
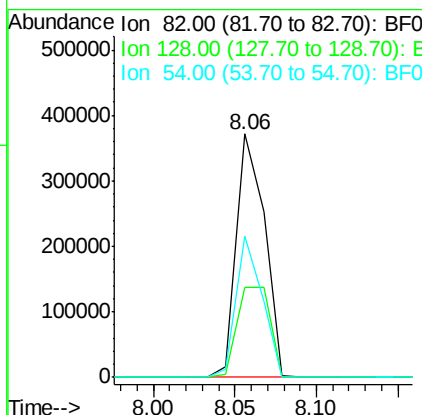
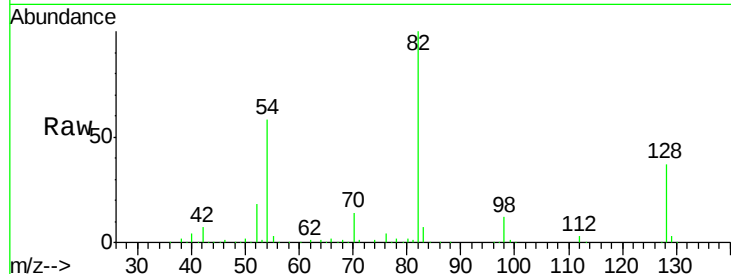




#23  
 Nitrobenzene-d5  
 Concen: 69.11 ng  
 RT: 8.06 min Scan# 601  
 Delta R.T. -0.00 min  
 Lab File: BF078879.D  
 Acq: 1 May 2015 6:21

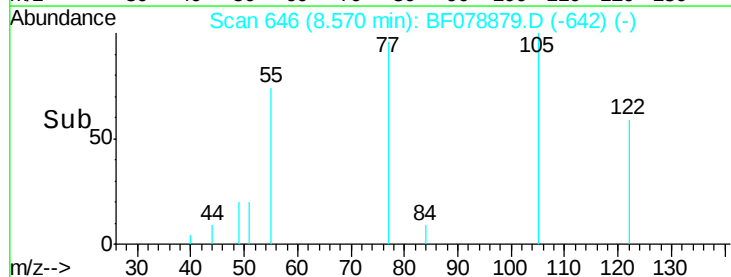
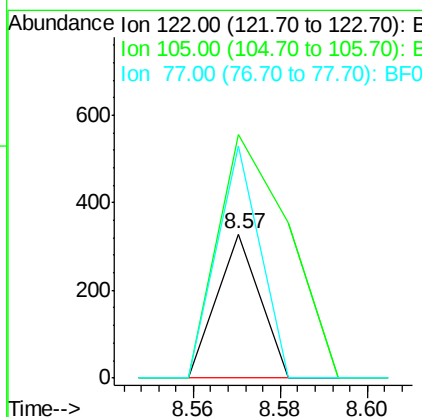
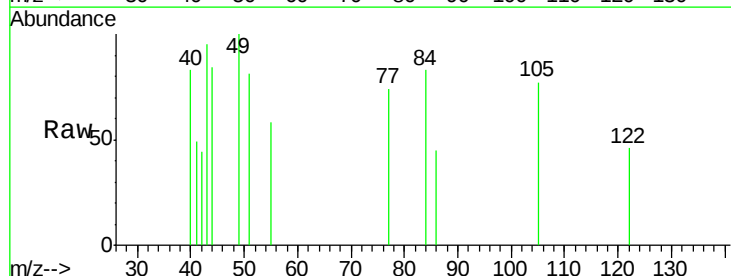
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B2(5-7)

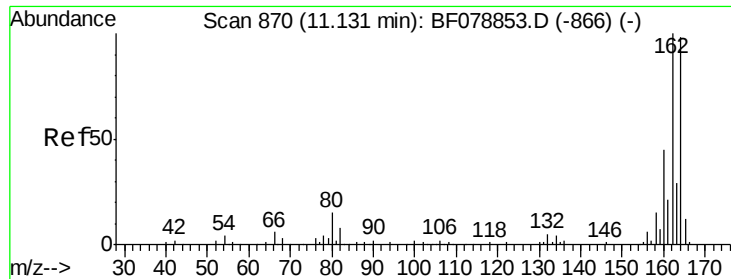
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.8  | 30.0  | 45.0  |
| 54      | 57.8  | 46.4  | 69.6  |



#32  
 Benzoic acid  
 Concen: 6.37 ng  
 RT: 8.57 min Scan# 646  
 Delta R.T. -0.06 min  
 Lab File: BF078879.D  
 Acq: 1 May 2015 6:21

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 169.5 | 107.1 | 147.1# |
| 77      | 161.9 | 73.9  | 113.9# |

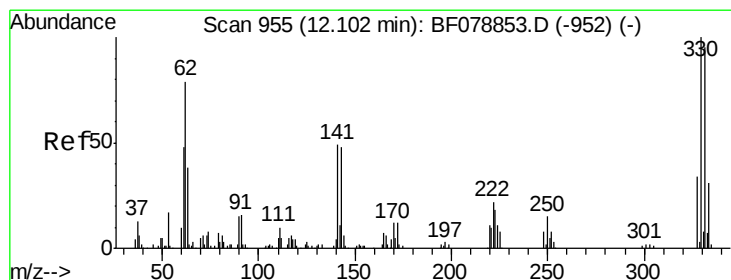
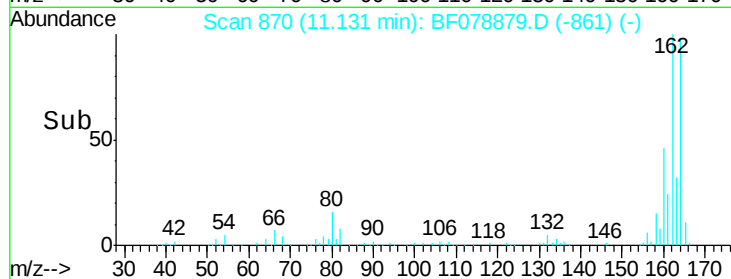
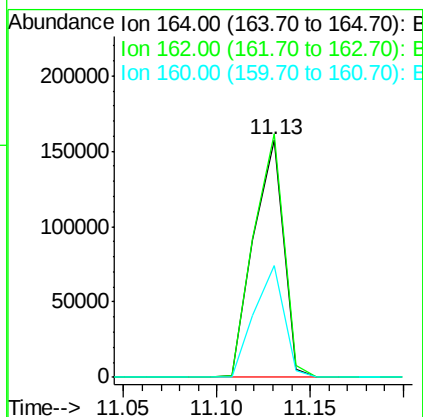
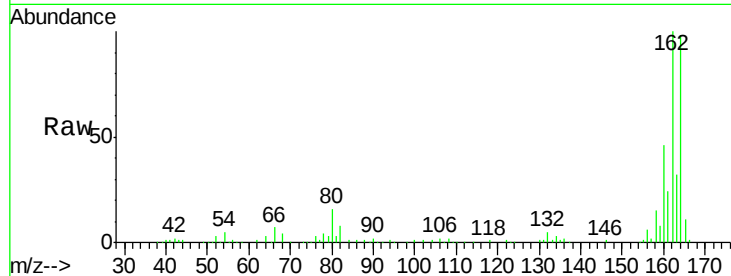




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.13 min Scan# 870  
 Delta R.T. -0.00 min  
 Lab File: BF078879.D  
 Acq: 1 May 2015 6:21

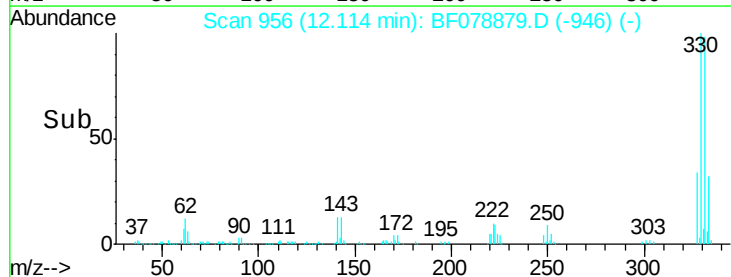
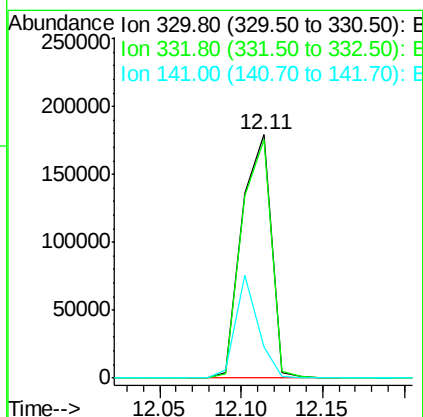
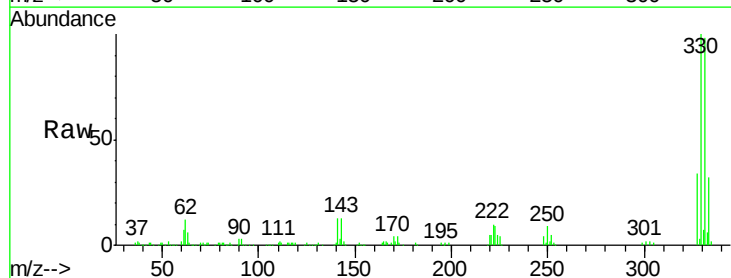
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B2(5-7)

Tgt Ion:164 Resp: 174835  
 Ion Ratio Lower Upper  
 164 100  
 162 102.6 82.7 124.1  
 160 47.2 35.8 53.8



#41  
 2,4,6-Tribromophenol  
 Concen: 118.23 ng  
 RT: 12.11 min Scan# 956  
 Delta R.T. 0.01 min  
 Lab File: BF078879.D  
 Acq: 1 May 2015 6:21

Tgt Ion:330 Resp: 223616  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 0.0 0.0#  
 141 32.8 0.0 0.0#

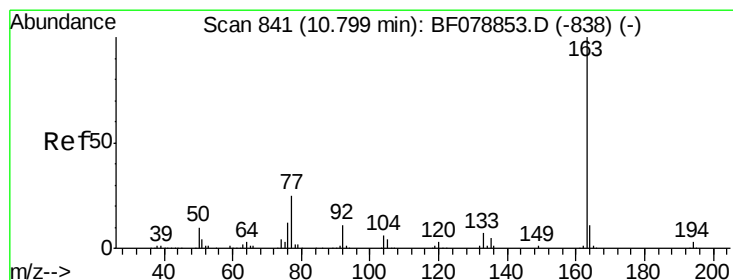
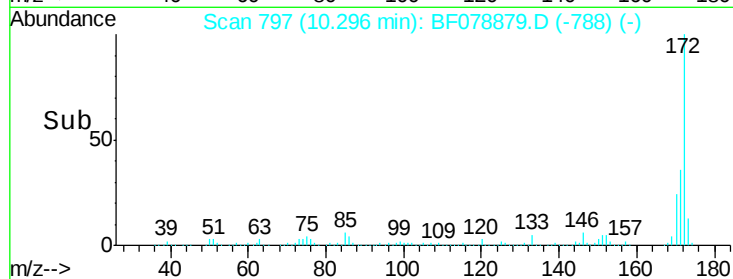
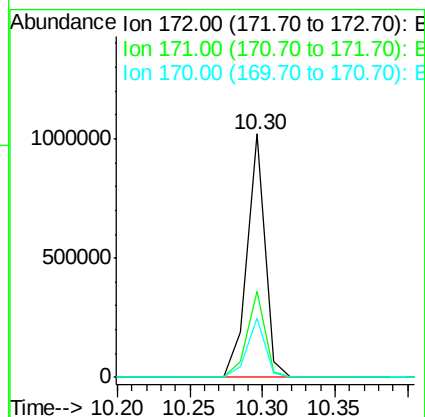
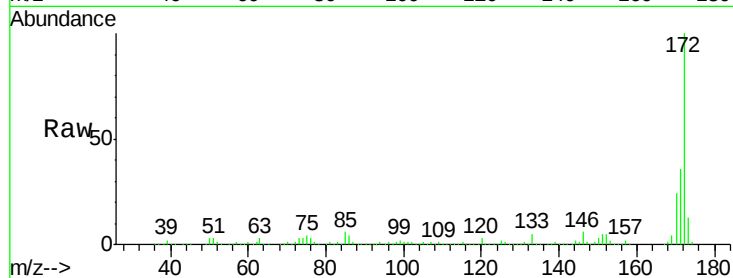




#44  
2-Fluorobiphenyl  
Concen: 69.97 ng  
RT: 10.30 min Scan# 797  
Delta R.T. -0.00 min  
Lab File: BF078879.D  
Acq: 1 May 2015 6:21

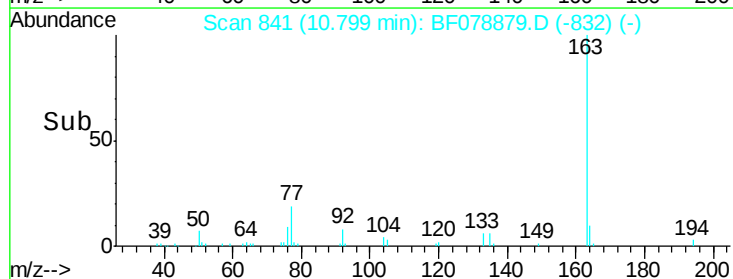
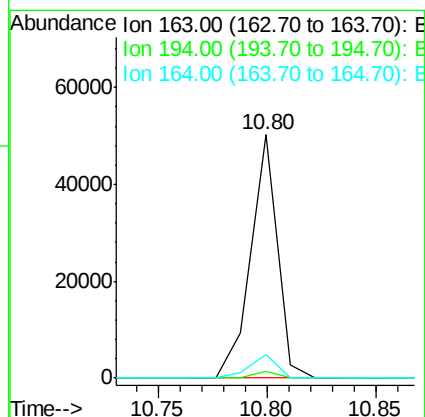
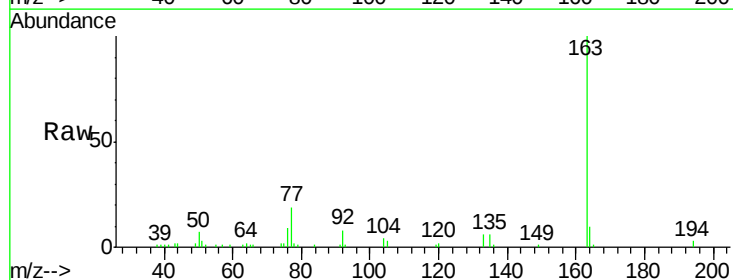
Instrument :  
BNA\_F  
ClientSampleId :  
B2(5-7)

Tgt Ion:172 Resp: 878059  
Ion Ratio Lower Upper  
172 100  
171 35.5 27.9 41.9  
170 24.5 19.4 29.0



#49  
Dimethylphthalate  
Concen: 3.33 ng  
RT: 10.80 min Scan# 841  
Delta R.T. -0.00 min  
Lab File: BF078879.D  
Acq: 1 May 2015 6:21

Tgt Ion:163 Resp: 42752  
Ion Ratio Lower Upper  
163 100  
194 3.0 2.6 4.0  
164 9.7 8.1 12.1

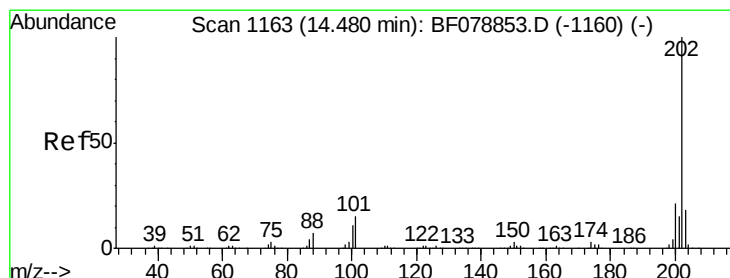
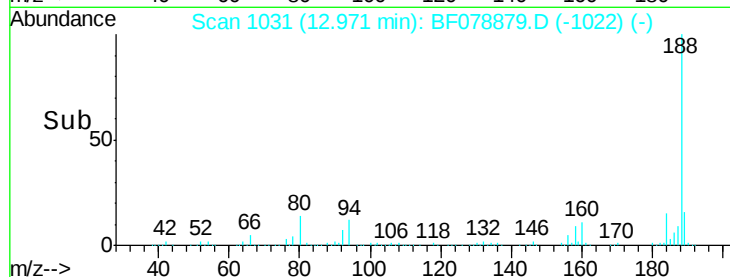
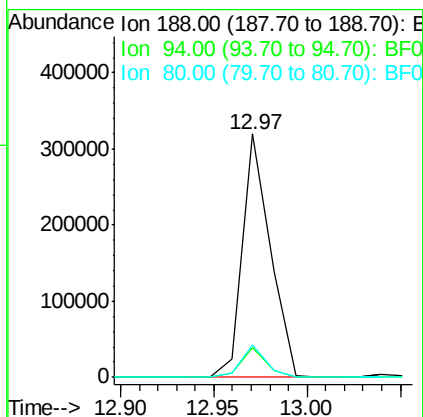
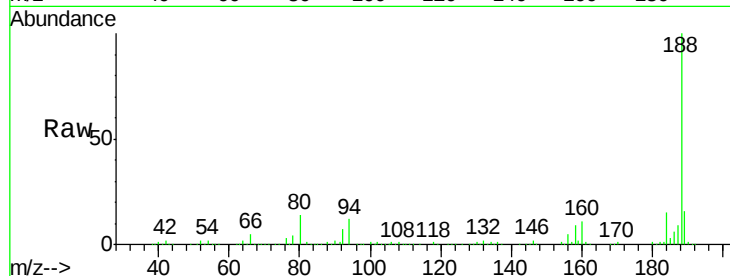




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.97 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: BF078879.D  
Acq: 1 May 2015 6:21

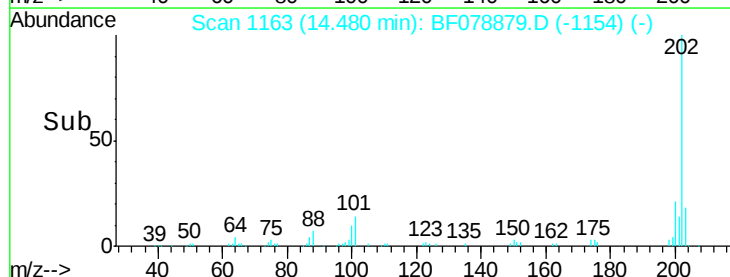
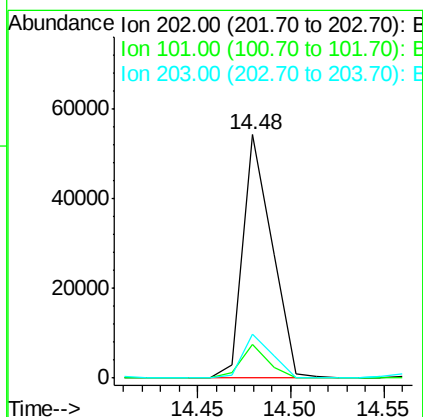
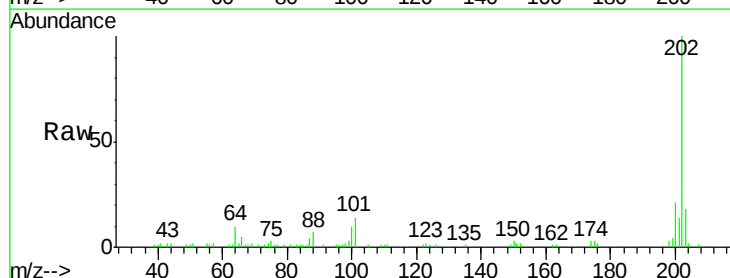
Instrument :  
BNA\_F  
ClientSampleId :  
B2(5-7)

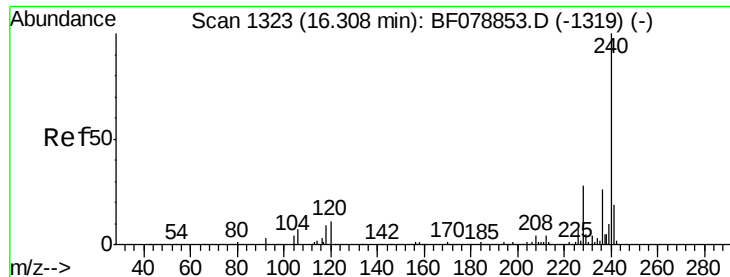
Tgt Ion:188 Resp: 333078  
Ion Ratio Lower Upper  
188 100  
94 12.2 8.2 12.2  
80 13.6 8.9 13.3#



#74  
Fluoranthene  
Concen: 3.04 ng  
RT: 14.48 min Scan# 1163  
Delta R.T. -0.00 min  
Lab File: BF078879.D  
Acq: 1 May 2015 6:21

Tgt Ion:202 Resp: 59020  
Ion Ratio Lower Upper  
202 100  
101 13.8 0.0 34.6  
203 18.0 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.27 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BF078879.D

Acq: 1 May 2015 6:21

Instrument :

BNA\_F

ClientSampleId :

B2(5-7)

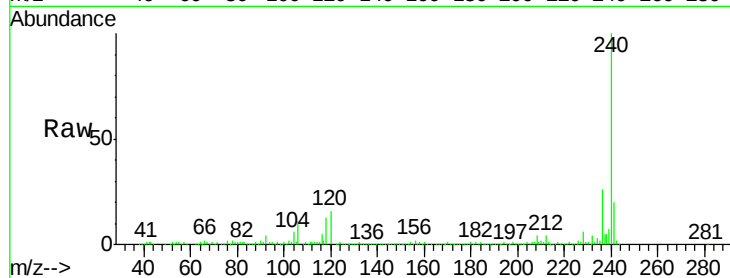
Tgt Ion:240 Resp: 342031

Ion Ratio Lower Upper

240 100

120 16.0 9.7 14.5#

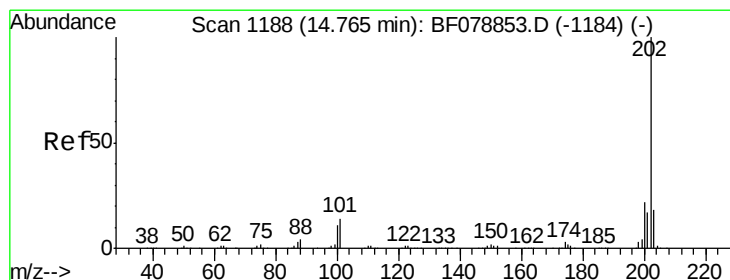
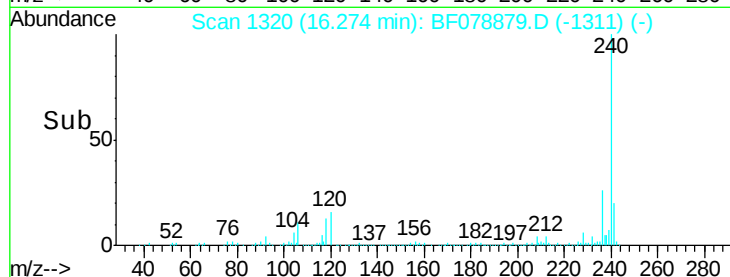
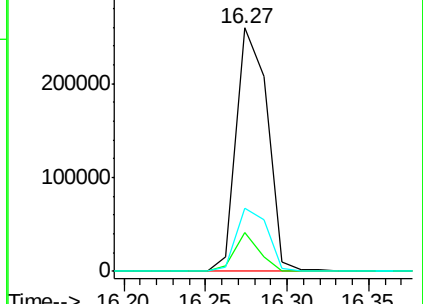
236 25.8 20.2 30.4



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



#77

Pyrene

Concen: 2.77 ng

RT: 14.77 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BF078879.D

Acq: 1 May 2015 6:21

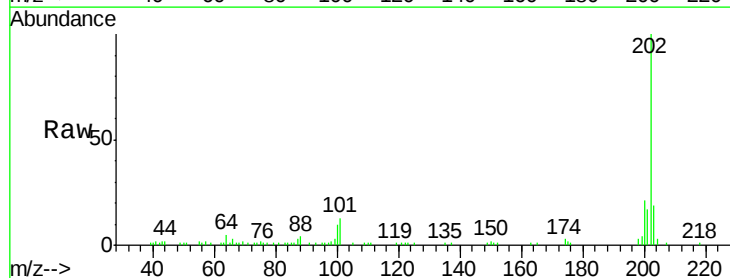
Tgt Ion:202 Resp: 54679

Ion Ratio Lower Upper

202 100

200 20.7 17.5 26.3

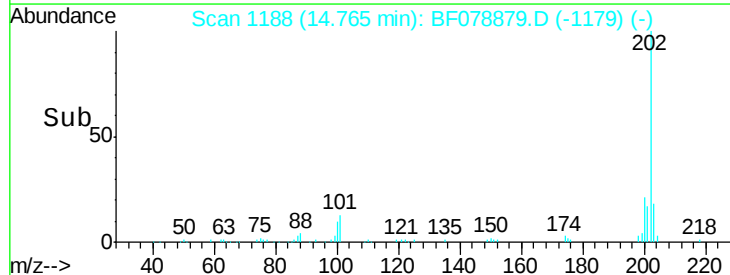
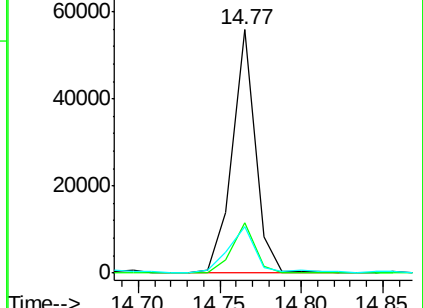
203 19.0 13.9 20.9

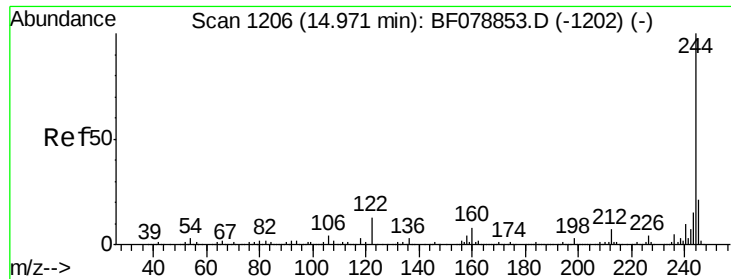


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

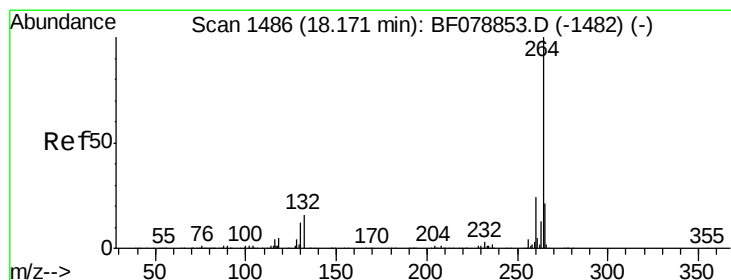
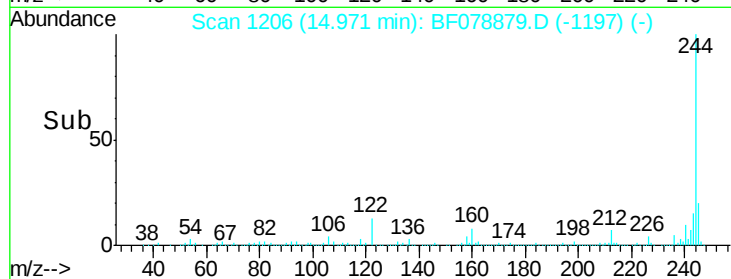
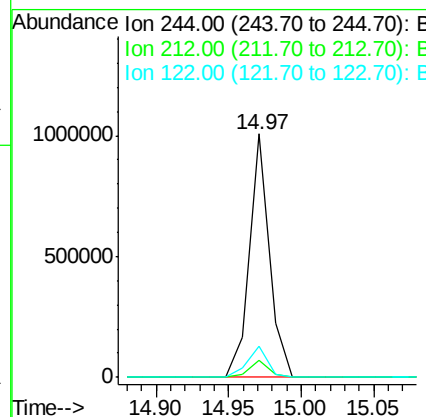
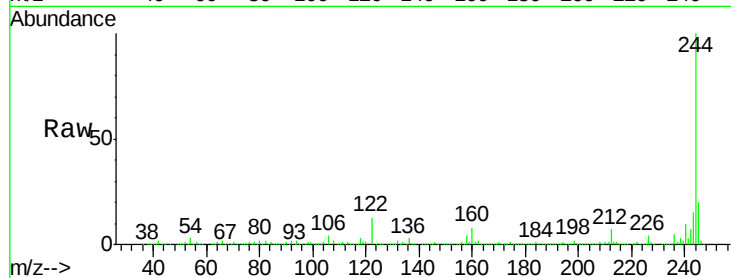




#78  
 Terphenyl-d14  
 Concen: 67.39 ng  
 RT: 14.97 min Scan# 1206  
 Delta R.T. -0.00 min  
 Lab File: BF078879.D  
 Acq: 1 May 2015 6:21

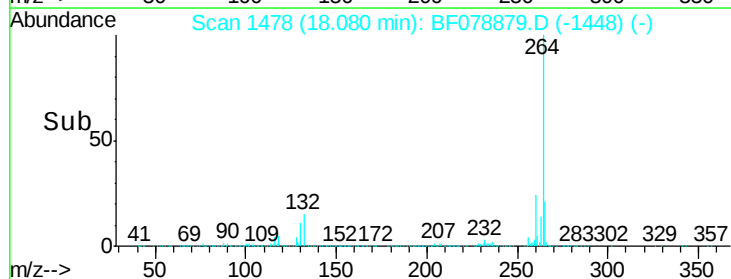
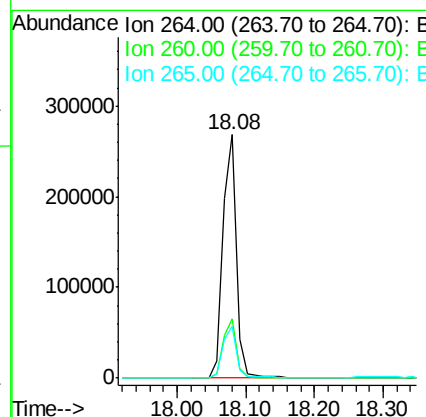
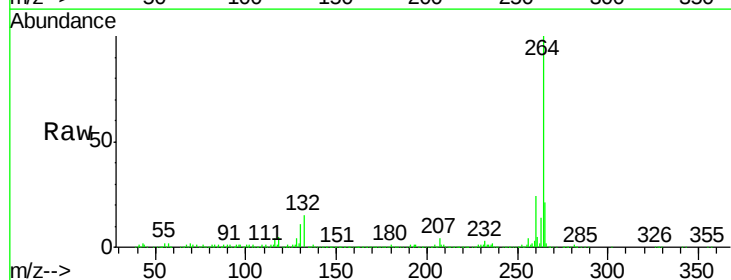
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B2(5-7)

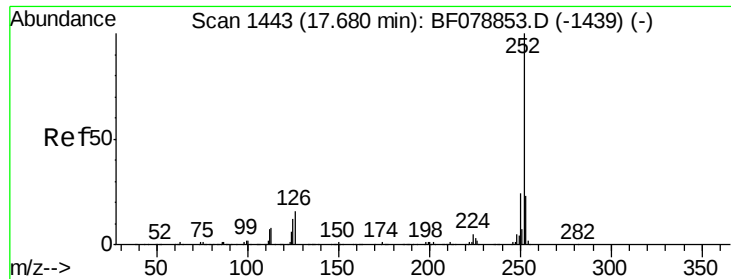
Tgt Ion:244 Resp: 962724  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.6 8.4  
 122 13.0 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 18.08 min Scan# 1478  
 Delta R.T. 0.05 min  
 Lab File: BF078879.D  
 Acq: 1 May 2015 6:21

Tgt Ion:264 Resp: 374477  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.4 29.2  
 265 21.3 18.3 27.5

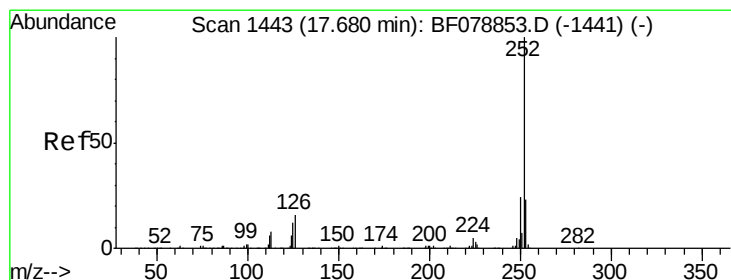
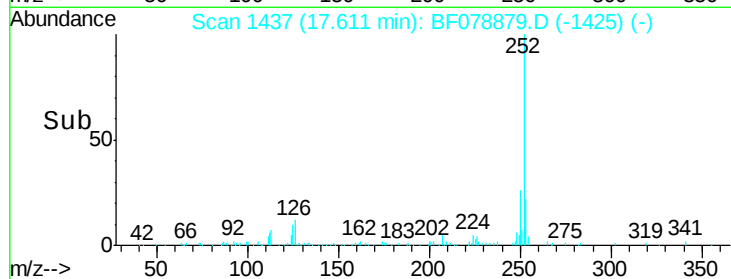
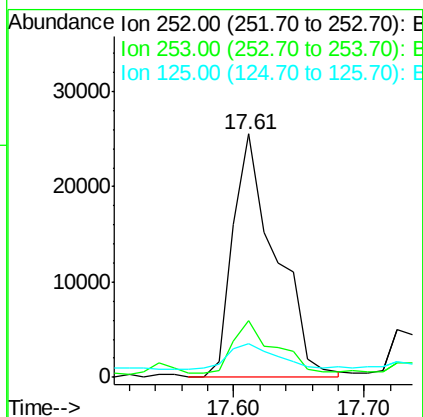
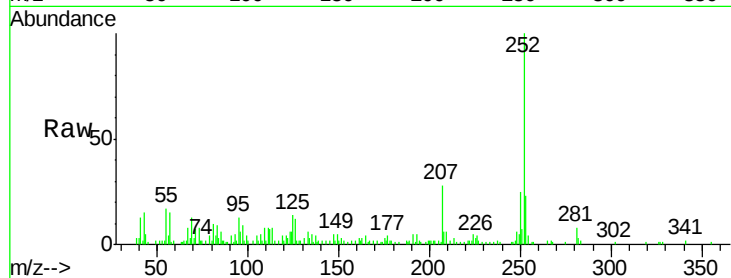




#87  
Benzo(b)fluoranthene  
Concen: 2.84 ng  
RT: 17.61 min Scan# 1437  
Delta R.T. 0.03 min  
Lab File: BF078879.D  
Acq: 1 May 2015 6:21

Instrument :  
BNA\_F  
ClientSampleId :  
B2(5-7)

Tgt Ion:252 Resp: 58143  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.7 26.5  
125 13.6 9.5 14.3



#88  
Benzo(k)fluoranthene  
Concen: 2.95 ng  
RT: 17.61 min Scan# 1437  
Delta R.T. -0.00 min  
Lab File: BF078879.D  
Acq: 1 May 2015 6:21

Tgt Ion:252 Resp: 58449  
Ion Ratio Lower Upper  
252 100  
253 23.4 18.1 27.1  
125 13.6 10.0 15.0

