

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF022615\  
 Data File : BF077463.D  
 Acq On : 26 Feb 2015 14:17  
 Operator : TP/IZ  
 Sample : G1348-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 41A-EW-022515

Quant Time: Feb 26 17:32:00 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 26 17:14:46 2015  
 Response via : Initial Calibration

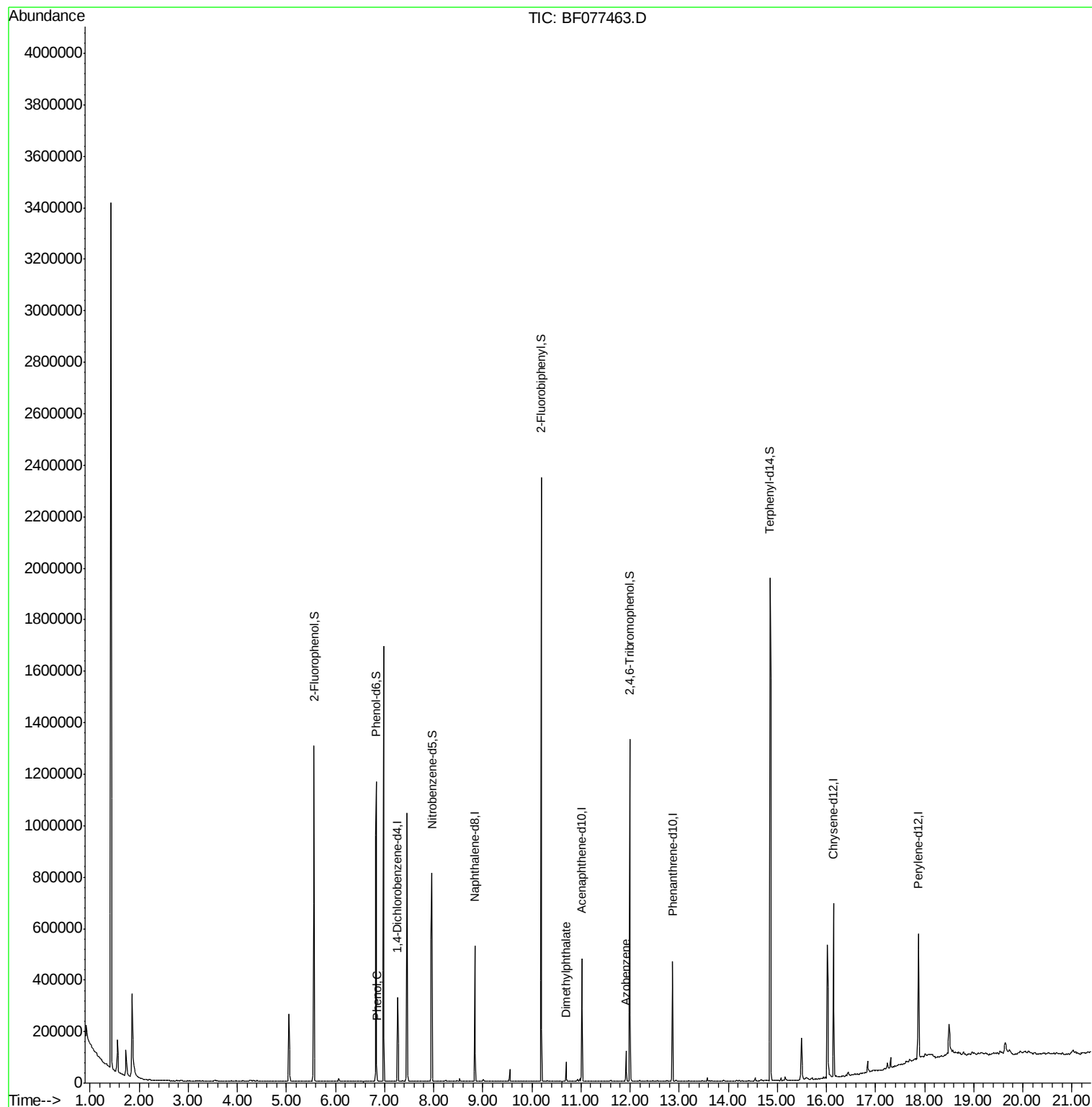
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.26  | 152  | 57456    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.84  | 136  | 236445   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.01 | 164  | 116490   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 12.87 | 188  | 243416   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.15 | 240  | 269741   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 17.87 | 264  | 266536   | 20.00  | ng    | -0.14    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 433679   | 126.01 | ng    | 0.00     |
| 7) Phenol-d6                | 6.83  | 99   | 564813   | 127.64 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.96  | 82   | 326942   | 85.99  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.00 | 330  | 156300   | 139.35 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 10.19 | 172  | 709552   | 94.98  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.85 | 244  | 923204   | 80.01  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.84  | 94   | 15429    | 2.94   | ng    | 97       |
| 49) Dimethylphthalate       | 10.69 | 163  | 30424    | 3.72   | ng    | 98       |
| 62) Azobenzene              | 11.92 | 77   | 24222    | 3.16   | ng    | # 1      |

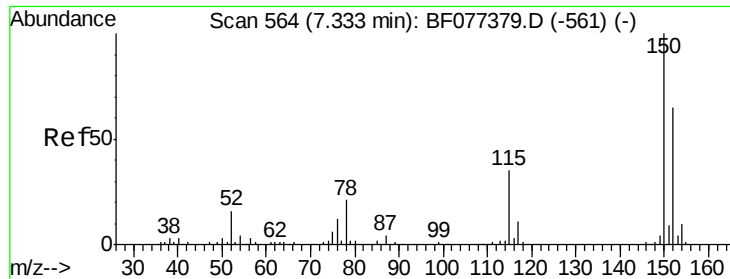
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF022615\  
Data File : BF077463.D  
Acq On : 26 Feb 2015 14:17  
Operator : TP/IZ  
Sample : G1348-02  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
41A-EW-022515

Quant Time: Feb 26 17:32:00 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 26 17:14:46 2015  
Response via : Initial Calibration



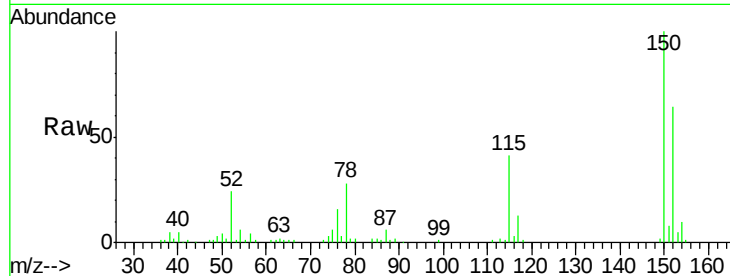


#1

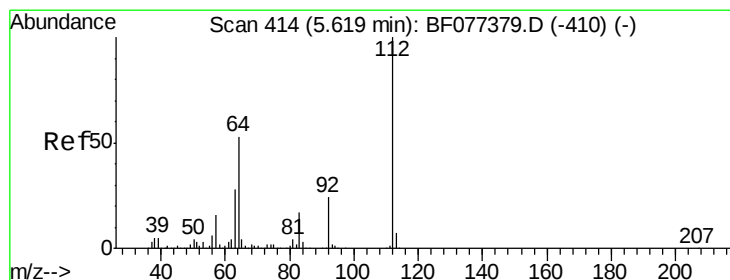
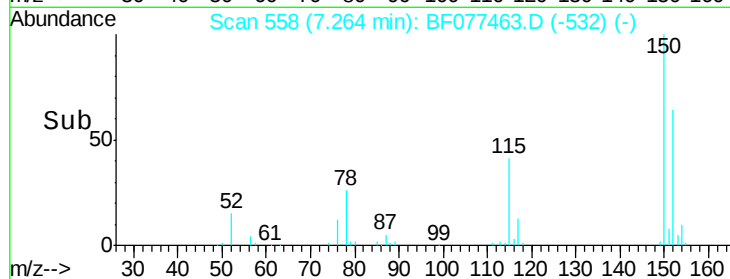
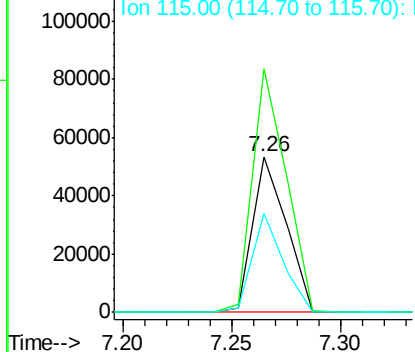
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.26 min Scan# 558  
Delta R.T. -0.00 min  
Lab File: BF077463.D  
Acq: 26 Feb 2015 14:17

Instrument :  
BNA\_F  
ClientSampleId :  
41A-EW-022515

Tgt Ion:152 Resp: 57456  
Ion Ratio Lower Upper  
152 100  
150 156.5 124.0 186.0  
115 64.0 49.4 74.2



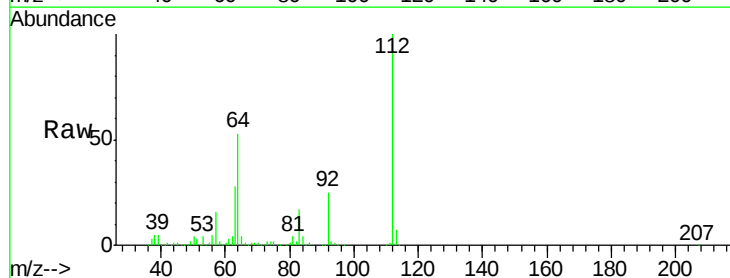
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



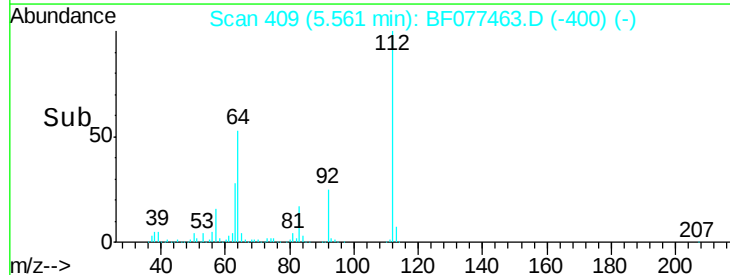
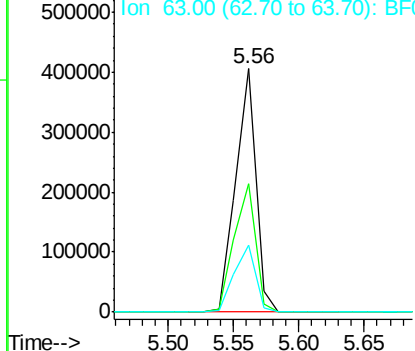
#5

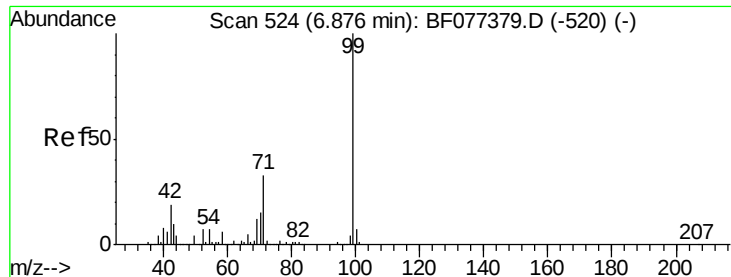
2-Fluorophenol  
Concen: 126.01 ng  
RT: 5.56 min Scan# 409  
Delta R.T. -0.00 min  
Lab File: BF077463.D  
Acq: 26 Feb 2015 14:17

Tgt Ion:112 Resp: 433679  
Ion Ratio Lower Upper  
112 100  
64 52.6 48.5 72.7  
63 27.6 25.0 37.4



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: 127.64 ng

RT: 6.83 min Scan# 520

Delta R.T. -0.00 min

Lab File: BF077463.D

Acq: 26 Feb 2015 14:17

Instrument :

BNA\_F

ClientSampleId :

41A-EW-022515

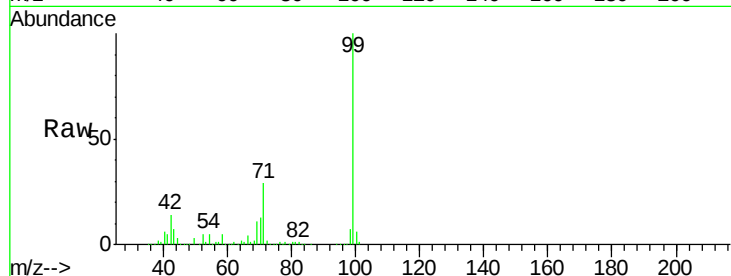
Tgt Ion: 99 Resp: 564813

Ion Ratio Lower Upper

99 100

42 13.9 16.2 24.4#

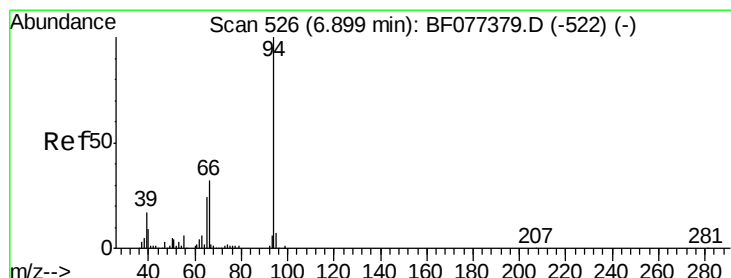
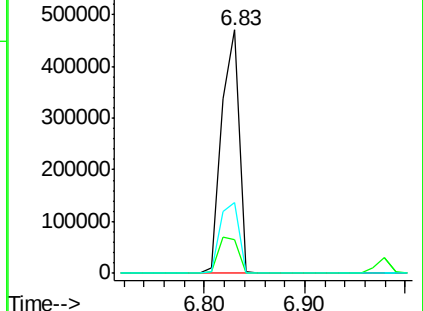
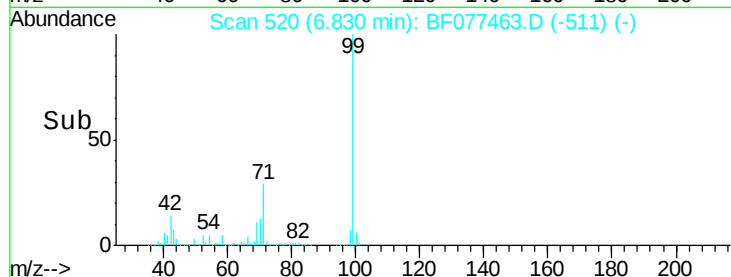
71 29.0 26.7 40.1



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: 2.94 ng

RT: 6.84 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF077463.D

Acq: 26 Feb 2015 14:17

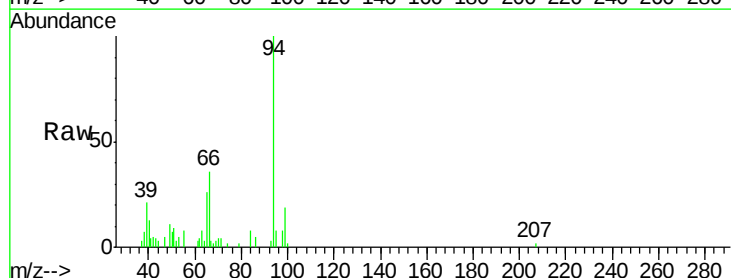
Tgt Ion: 94 Resp: 15429

Ion Ratio Lower Upper

94 100

65 26.5 5.7 45.7

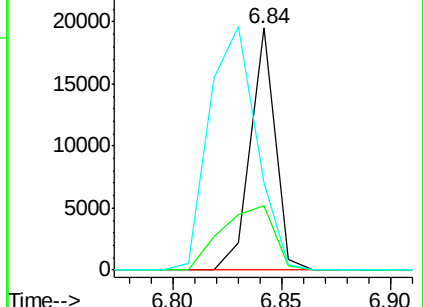
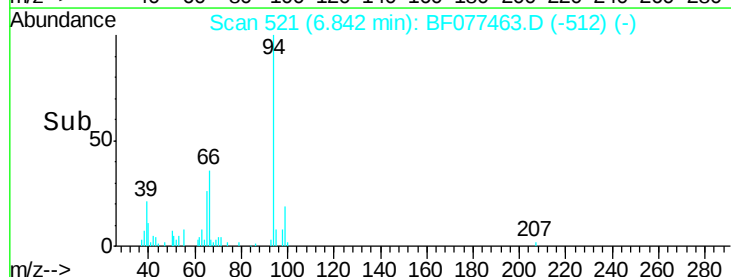
66 36.2 13.6 53.6

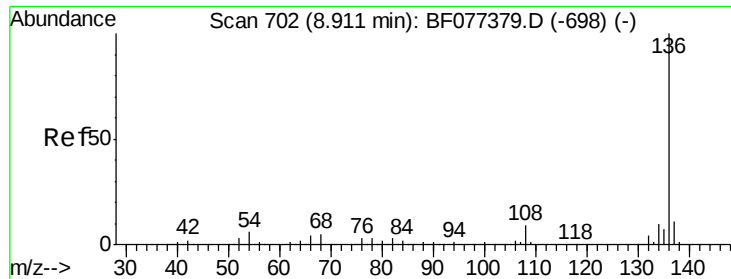


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

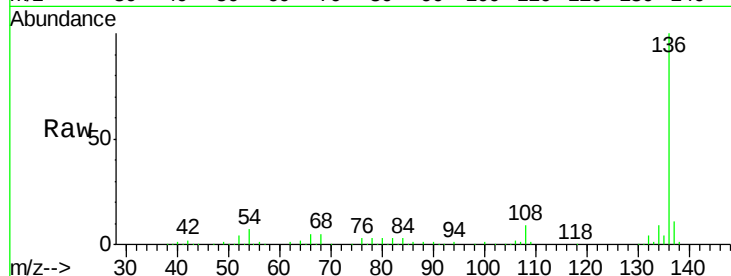




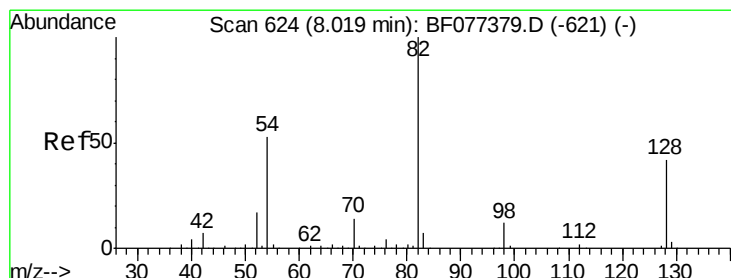
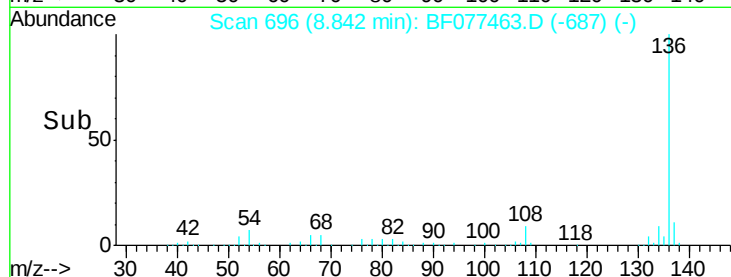
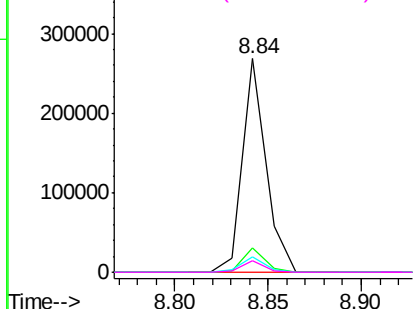
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.84 min Scan# 696  
Delta R.T. -0.00 min  
Lab File: BF077463.D  
Acq: 26 Feb 2015 14:17

Instrument :  
BNA\_F  
ClientSampleId :  
41A-EW-022515

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 236445 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.6   | 13.0   |
| 54       | 7.3   | 6.2   | 9.4    |
| 68       | 5.4   | 5.0   | 7.6    |

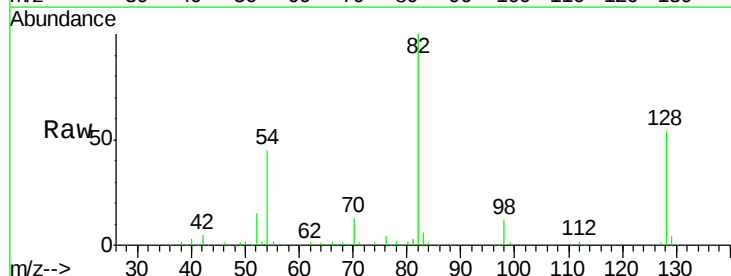


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

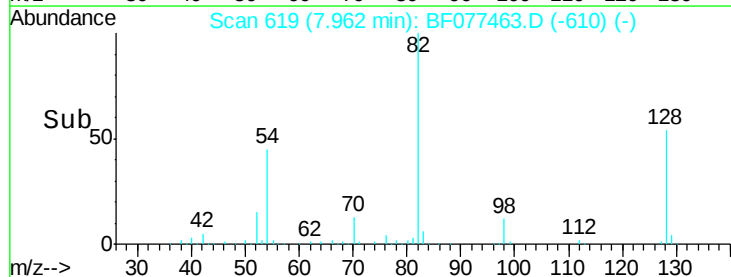
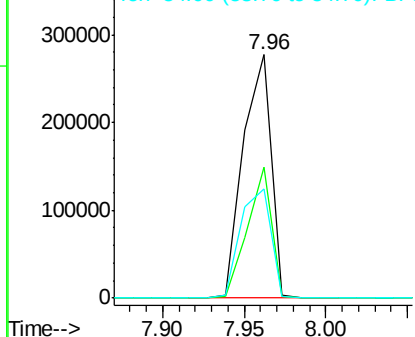


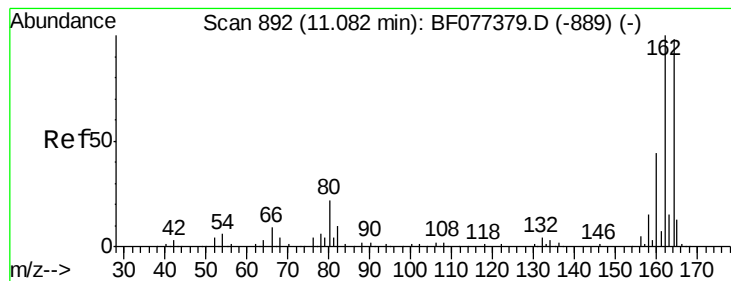
#23  
Nitrobenzene-d5  
Concen: 85.99 ng  
RT: 7.96 min Scan# 619  
Delta R.T. -0.00 min  
Lab File: BF077463.D  
Acq: 26 Feb 2015 14:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 326942 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 54.0  | 43.8  | 65.8   |
| 54       | 44.7  | 36.7  | 55.1   |



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: 11.01 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF077463.D

Acq: 26 Feb 2015 14:17

Instrument :

BNA\_F

ClientSampleId :

41A-EW-022515

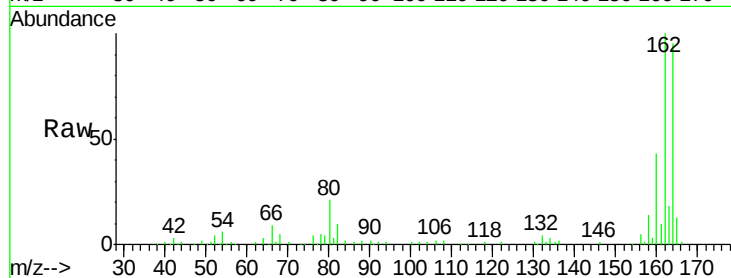
Tgt Ion:164 Resp: 116490

Ion Ratio Lower Upper

164 100

162 105.5 83.2 124.8

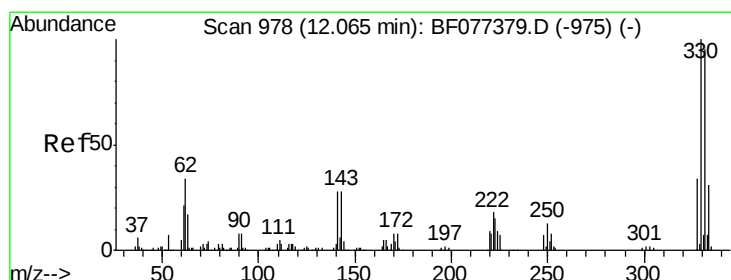
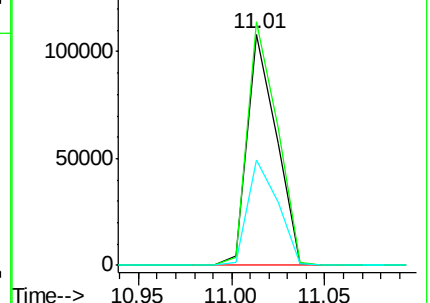
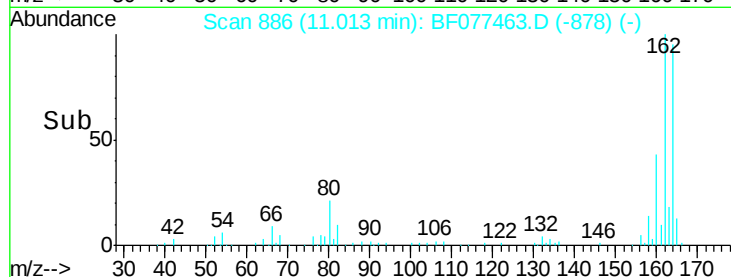
160 45.5 34.6 52.0



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: 139.35 ng

RT: 12.00 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF077463.D

Acq: 26 Feb 2015 14:17

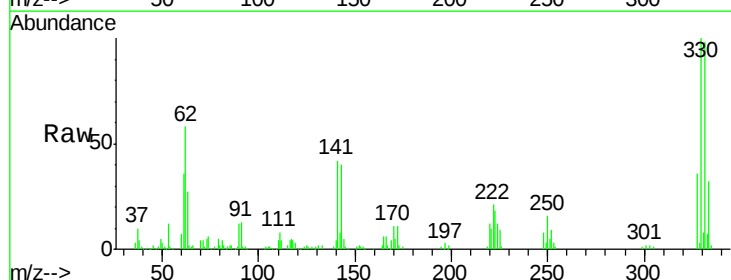
Tgt Ion:330 Resp: 156300

Ion Ratio Lower Upper

330 100

332 97.8 77.4 116.2

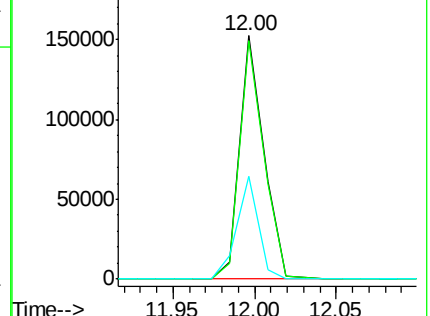
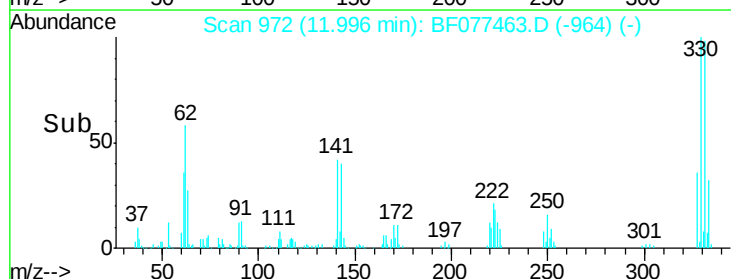
141 37.7 28.8 43.2

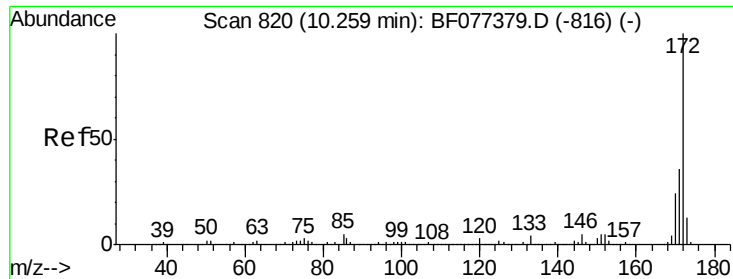


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

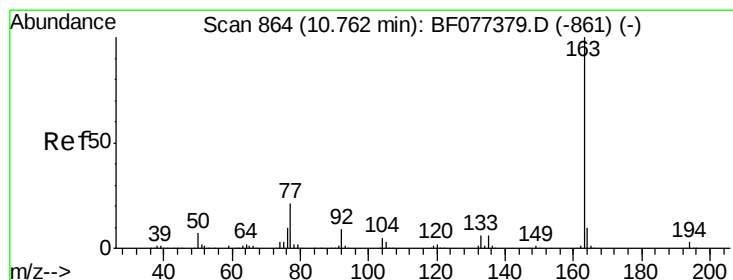
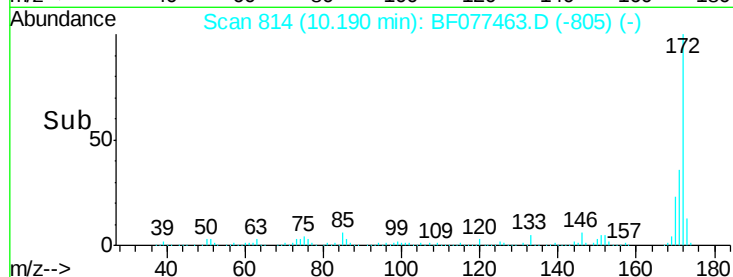
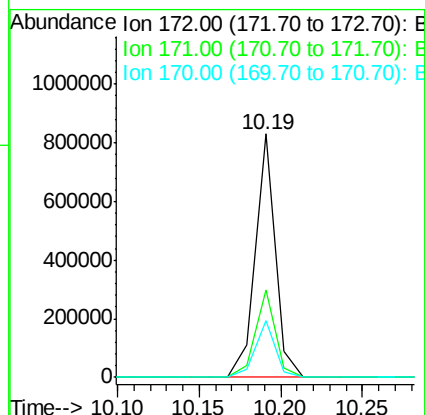
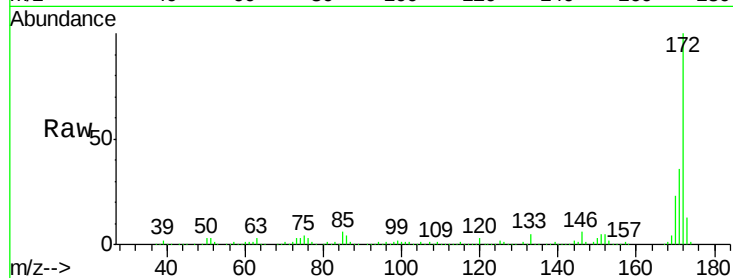




#44  
2-Fluorobiphenyl  
Concen: 94.98 ng  
RT: 10.19 min Scan# 814  
Delta R.T. -0.00 min  
Lab File: BF077463.D  
Acq: 26 Feb 2015 14:17

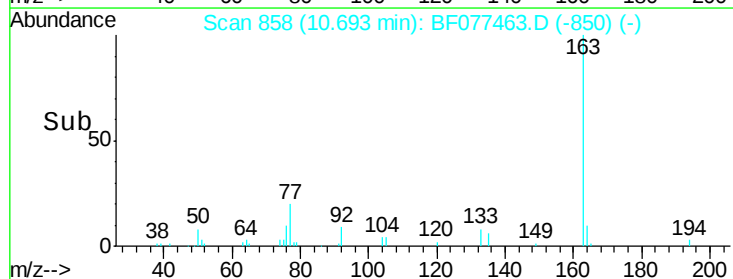
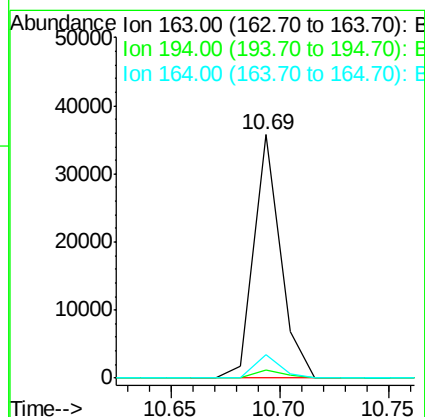
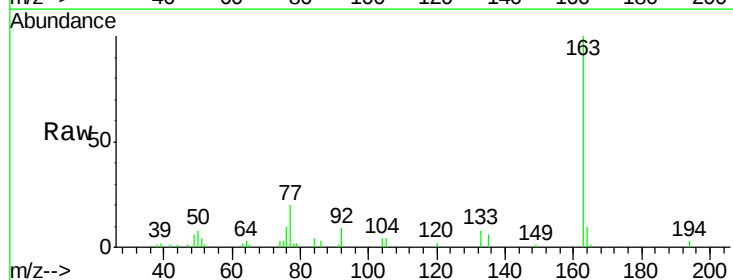
Instrument :  
BNA\_F  
ClientSampleId :  
41A-EW-022515

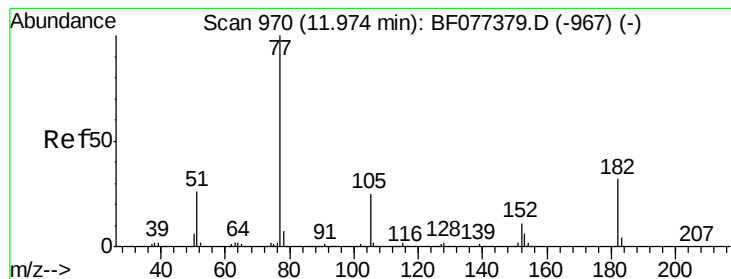
Tgt Ion:172 Resp: 709552  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.9 43.3  
170 23.4 19.4 29.2



#49  
Dimethylphthalate  
Concen: 3.72 ng  
RT: 10.69 min Scan# 858  
Delta R.T. -0.01 min  
Lab File: BF077463.D  
Acq: 26 Feb 2015 14:17

Tgt Ion:163 Resp: 30424  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.6 4.0  
164 9.7 8.6 13.0





#62

Azobenzene

Concen: 3.16 ng

RT: 11.92 min Scan# 965

Delta R.T. 0.01 min

Lab File: BF077463.D

Acq: 26 Feb 2015 14:17

Instrument :

BNA\_F

ClientSampleId :

41A-EW-022515

Tgt Ion: 77 Resp: 24222

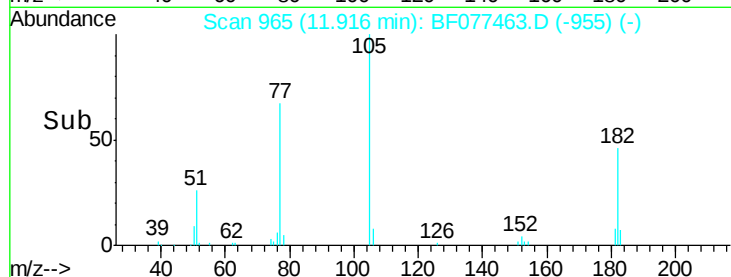
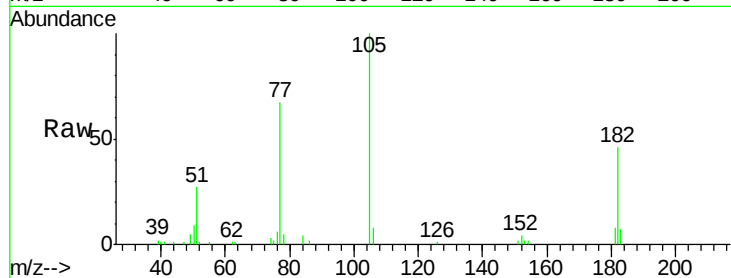
Ion Ratio Lower Upper

77 100

182 68.7 4.9 44.9#

105 149.7 3.3 43.3#

51 40.8 8.9 48.9

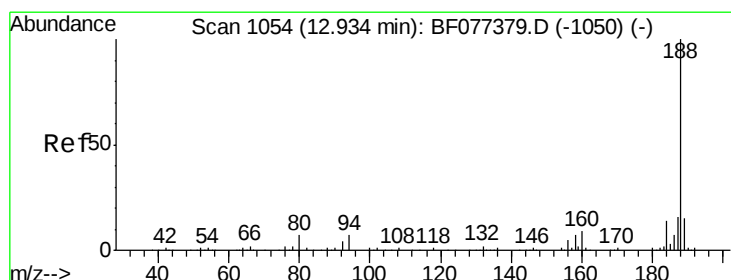
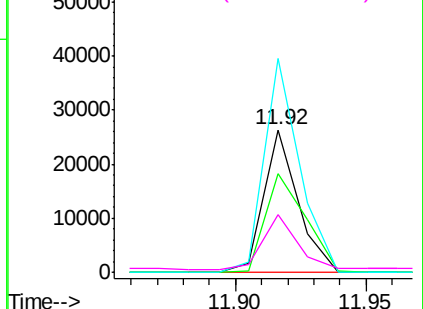


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.87 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF077463.D

Acq: 26 Feb 2015 14:17

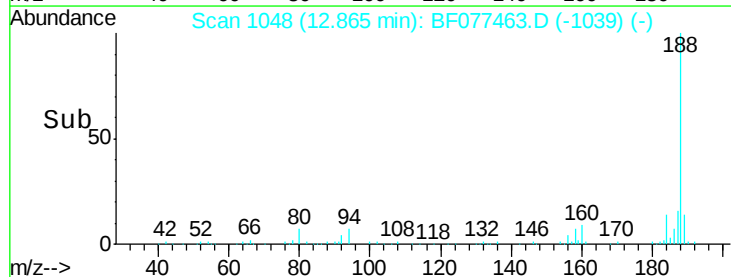
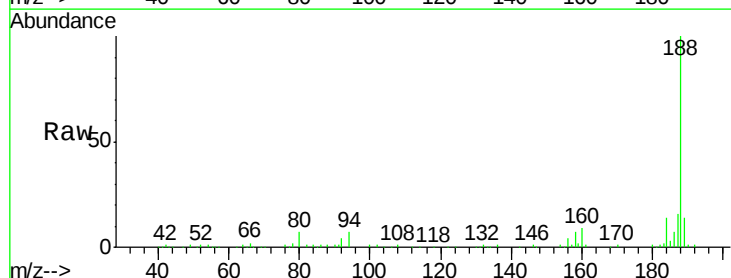
Tgt Ion: 188 Resp: 243416

Ion Ratio Lower Upper

188 100

94 6.9 7.4 11.2#

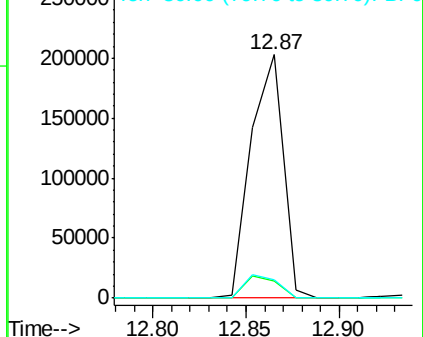
80 7.4 8.0 12.0#

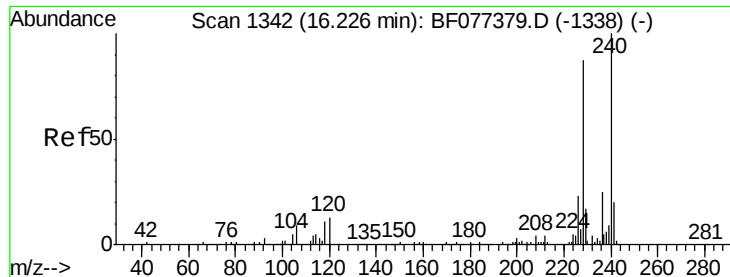


Abundance Ion 188.00 (187.70 to 188.70): BF0

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

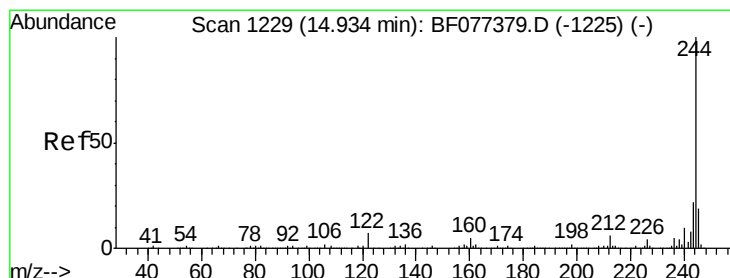
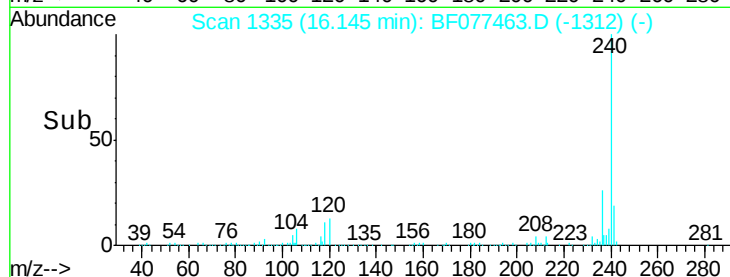
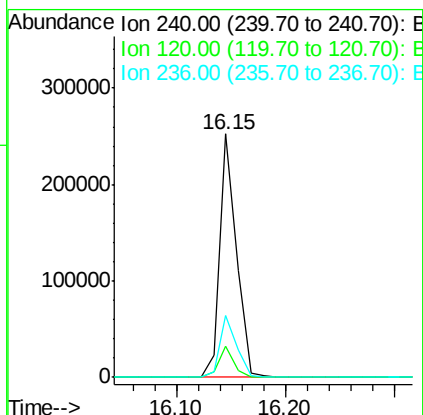
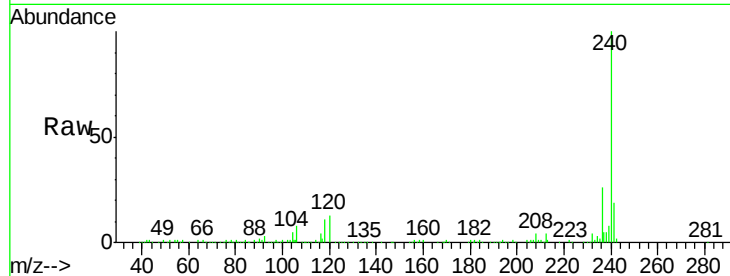




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.15 min Scan# 1335  
Delta R.T. -0.03 min  
Lab File: BF077463.D  
Acq: 26 Feb 2015 14:17

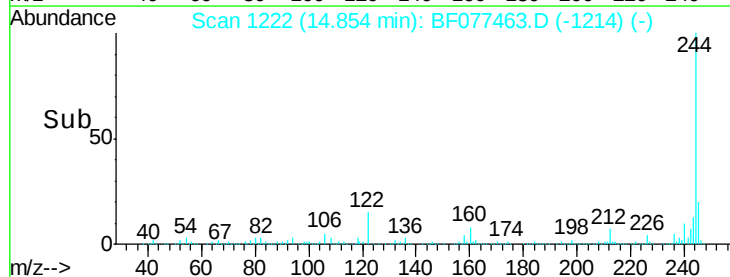
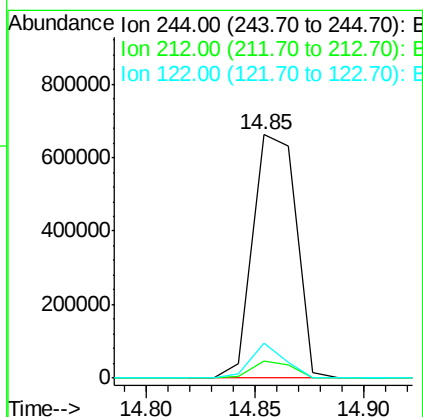
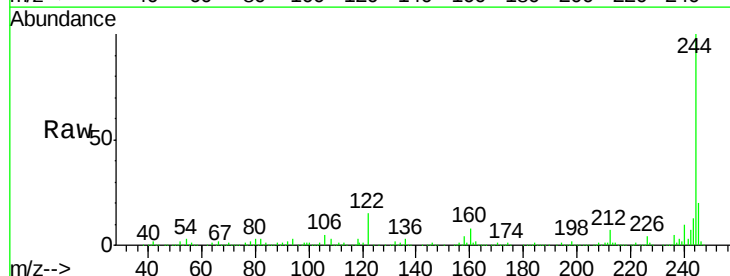
Instrument :  
BNA\_F  
ClientSampleId :  
41A-EW-022515

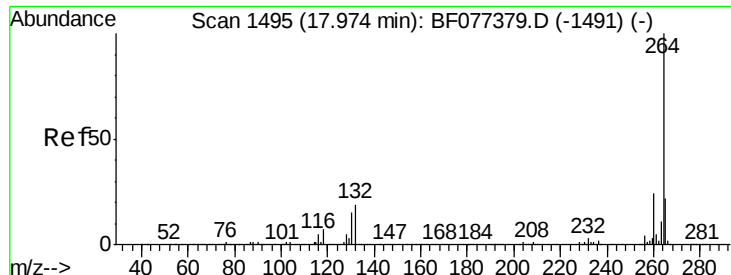
Tgt Ion:240 Resp: 269741  
Ion Ratio Lower Upper  
240 100  
120 12.7 8.8 13.2  
236 25.6 20.7 31.1



#78  
Terphenyl-d14  
Concen: 80.01 ng  
RT: 14.85 min Scan# 1222  
Delta R.T. -0.01 min  
Lab File: BF077463.D  
Acq: 26 Feb 2015 14:17

Tgt Ion:244 Resp: 923204  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.2 7.8  
122 14.5 7.8 11.8#





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.87 min Scan# 1486  
Delta R.T. -0.14 min  
Lab File: BF077463.D  
Acq: 26 Feb 2015 14:17

Instrument :  
BNA\_F  
ClientSampleId :  
41A-EW-022515

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 19.3  | 28.9  |
| 265     | 21.5  | 16.8  | 25.2  |

