

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\  
 Data File : BF083741.D  
 Acq On : 13 Dec 2015 20:48  
 Operator : UM/IZ  
 Sample : G4648-23  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-06(13-15)

Quant Time: Dec 14 03:27:11 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 14 01:30:12 2015  
 Response via : Initial Calibration

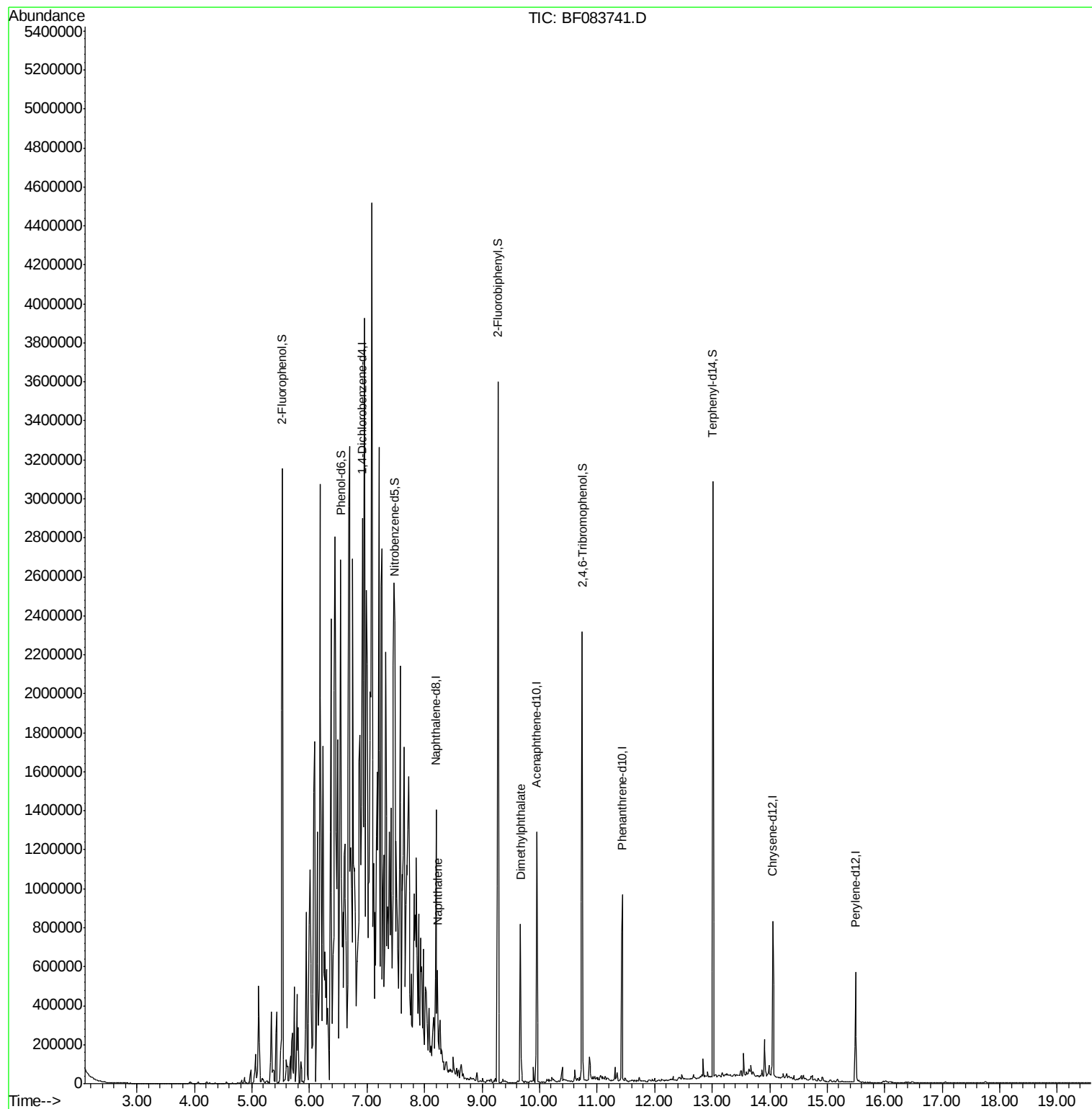
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 114534   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.20  | 136  | 512044   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.95  | 164  | 244959   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.44 | 188  | 473154   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.05 | 240  | 320300   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.49 | 264  | 253959   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 862077   | 121.43 | ng    | 0.00     |
| 7) Phenol-d6                | 6.54  | 99   | 942546   | 104.84 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 688955   | 75.28  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.74 | 330  | 283986   | 113.77 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.28  | 172  | 1130547  | 62.63  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.01 | 244  | 978969   | 65.75  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 8.22  | 128  | 175695   | 6.58   | ng    | 99       |
| 49) Dimethylphthalate       | 9.66  | 163  | 307412   | 16.10  | ng    | 99       |

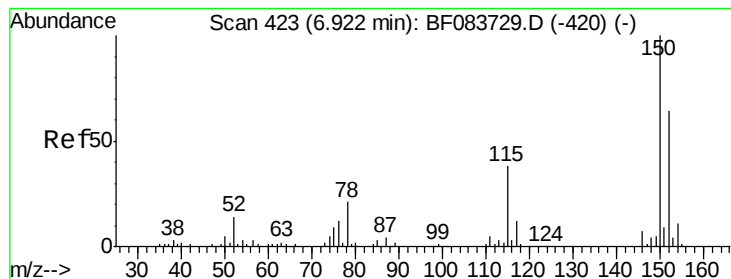
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\  
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Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_F  
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SB-06(13-15)

Quant Time: Dec 14 03:27:11 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 14 01:30:12 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA\_F

ClientSampleId :

SB-06(13-15)

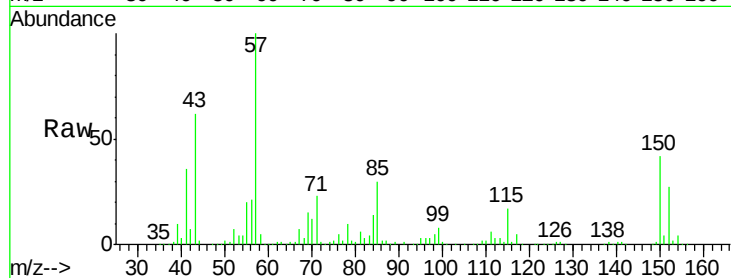
Tot Ion:152 Resp: 114534

Ion Ratio Lower Upper

152 100

150 154.2 126.5 189.7

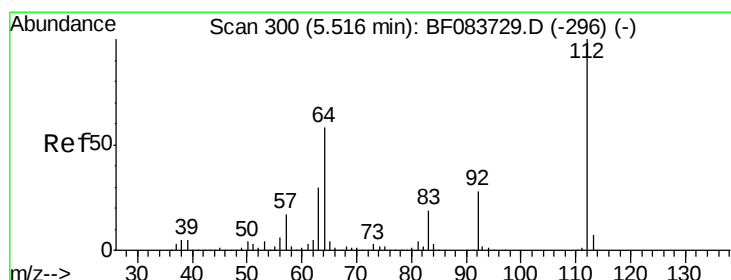
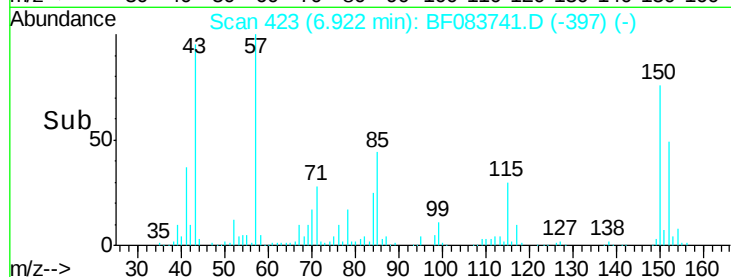
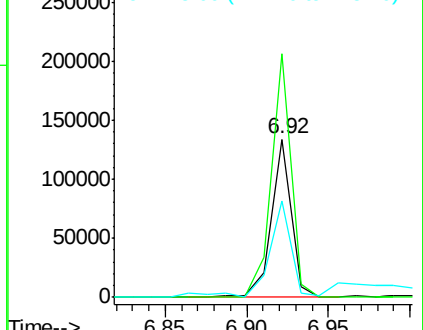
115 61.1 52.3 78.5



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: 121.43 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

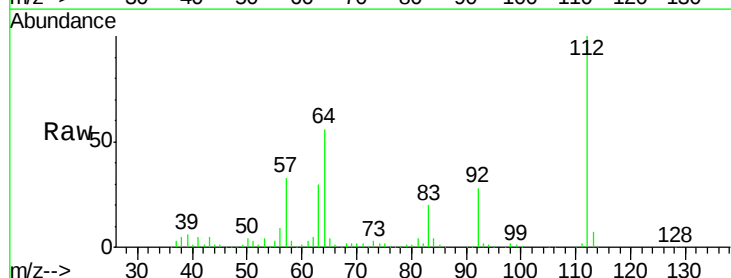
Tgt Ion:112 Resp: 862077

Ion Ratio Lower Upper

112 100

64 56.3 50.5 75.7

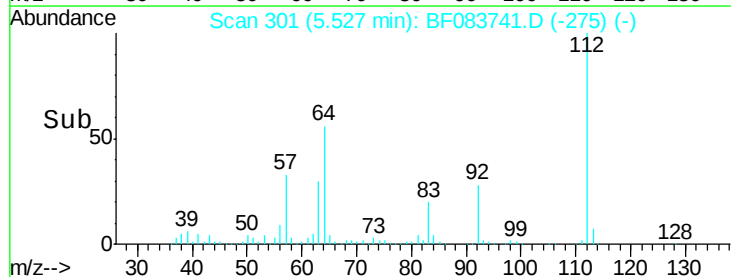
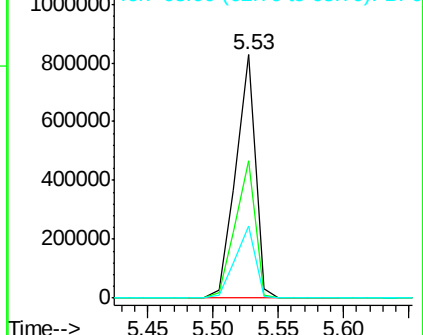
63 29.6 25.8 38.6

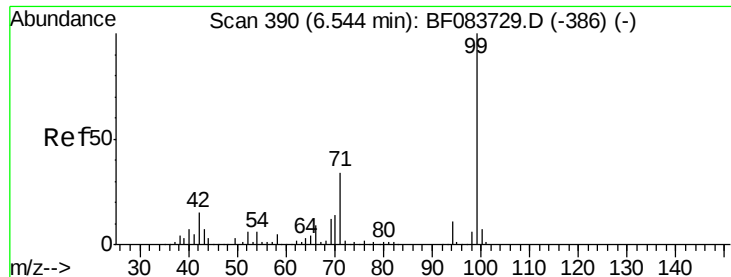


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.84 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA\_F

ClientSampled :

SB-06(13-15)

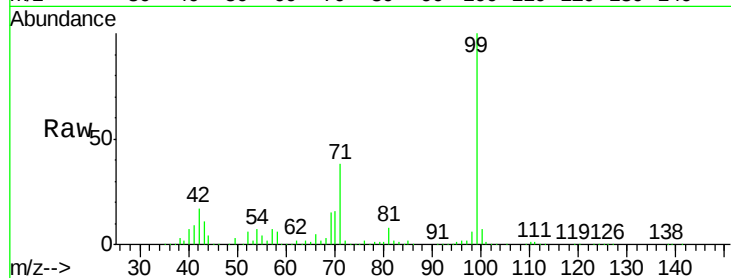
Tot Ion: 99 Resp: 942546

Ion Ratio Lower Upper

99 100

42 16.9 17.3 25.9#

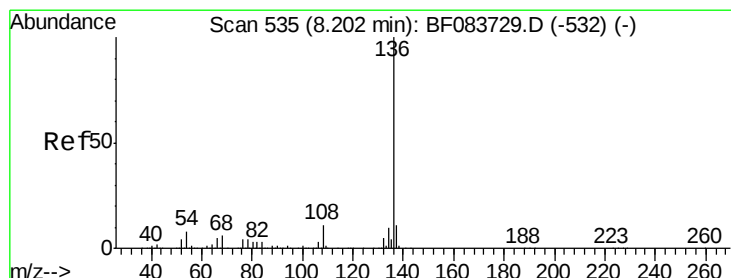
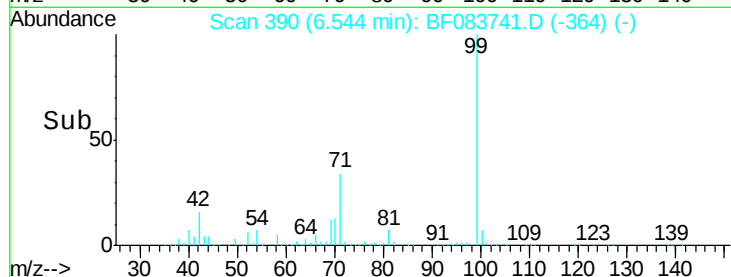
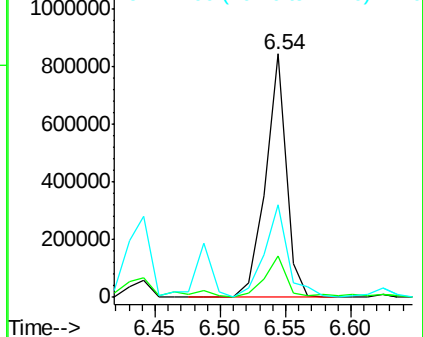
71 37.8 26.6 40.0



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: 8.20 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Tgt Ion: 136 Resp: 512044

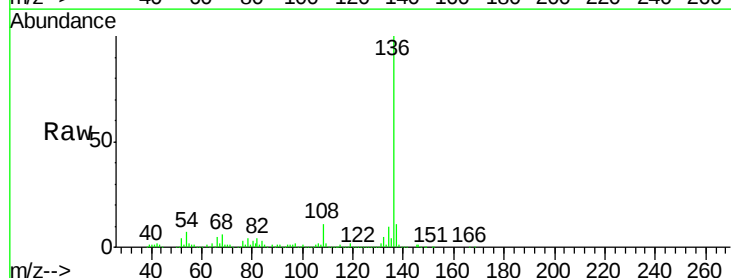
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 7.2 7.8 11.6#

68 6.1 5.7 8.5

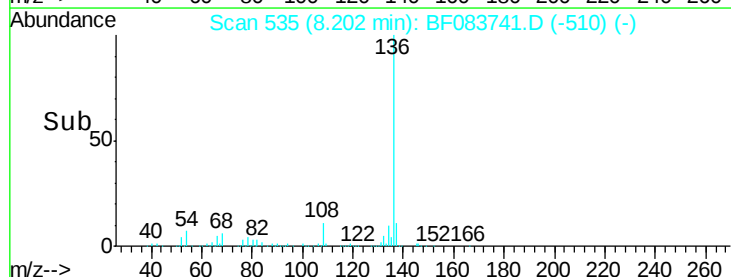
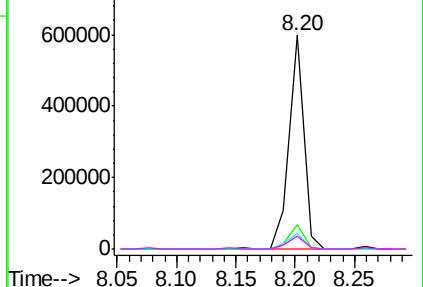


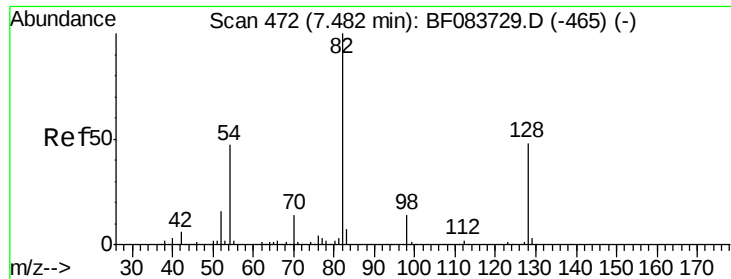
Abundance Ion 136.00 (135.70 to 136.70): E

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

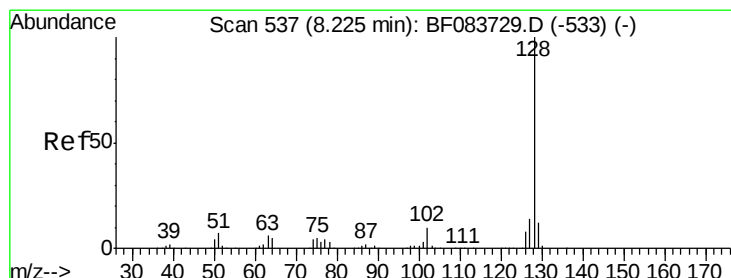
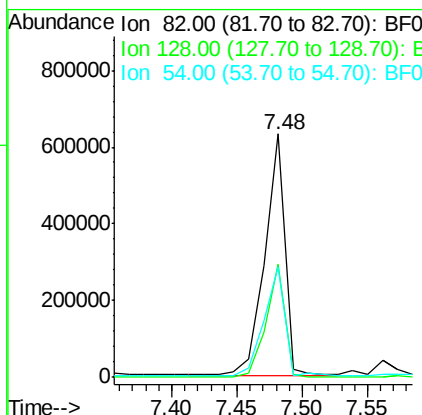
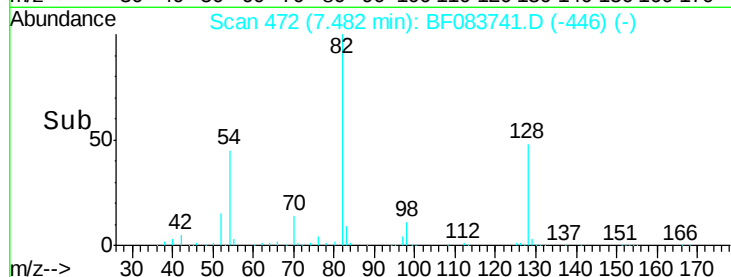
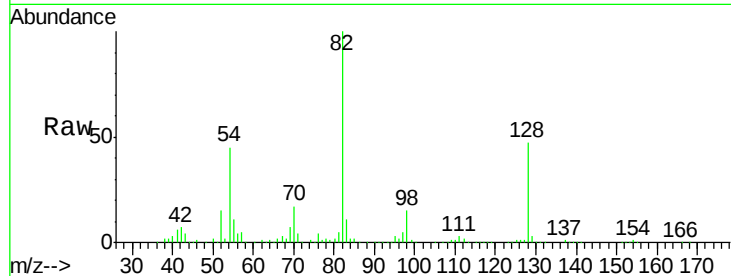




#23  
Nitrobenzene-d5  
Concen: 75.28 ng  
RT: 7.48 min Scan# 472  
Delta R.T. 0.00 min  
Lab File: BF083741.D  
Acq: 13 Dec 2015 20:48

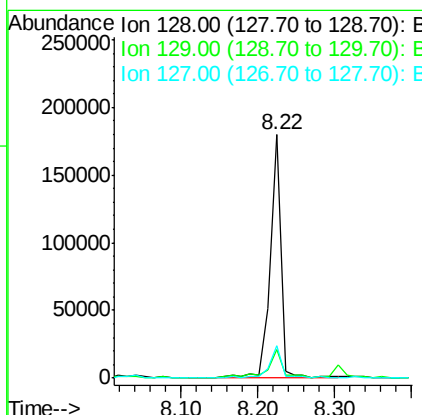
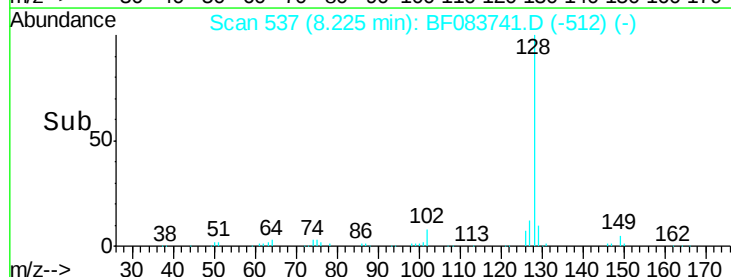
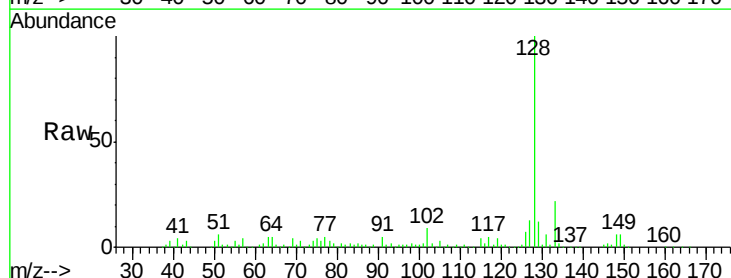
Instrument :  
BNA\_F  
ClientSampleId :  
SB-06(13-15)

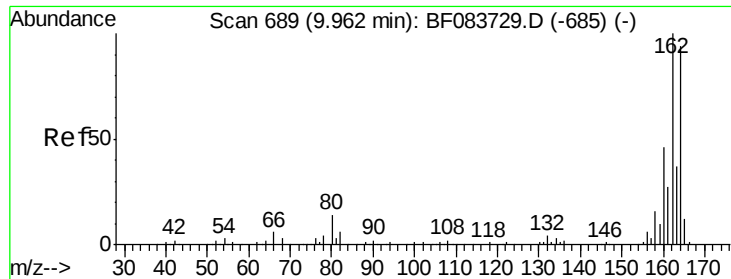
| Tot Ion   | 82    | Resp  | 688955 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.6  | 30.7  | 46.1#  |
| 54        | 45.4  | 42.5  | 63.7   |



#31  
Naphthalene  
Concen: 6.58 ng  
RT: 8.22 min Scan# 537  
Delta R.T. -0.01 min  
Lab File: BF083741.D  
Acq: 13 Dec 2015 20:48

| Tgt Ion   | 128   | Resp  | 175695 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.8  | 8.6   | 13.0   |
| 127       | 13.4  | 10.6  | 16.0   |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

Instrument :

BNA\_F

ClientSampleId :

SB-06(13-15)

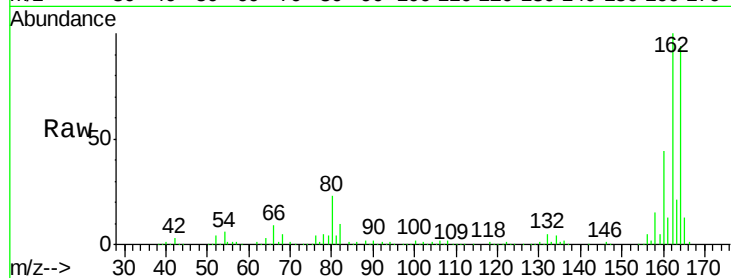
Tot Ion:164 Resp: 244959

Ion Ratio Lower Upper

164 100

162 106.0 78.8 118.2

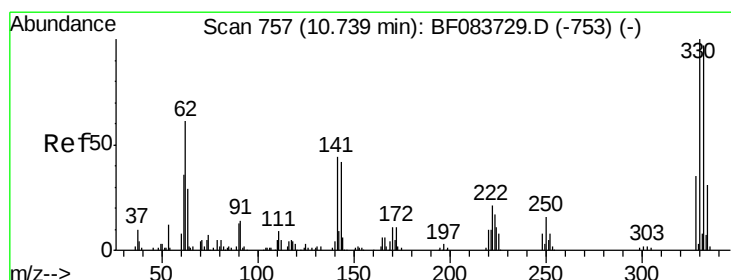
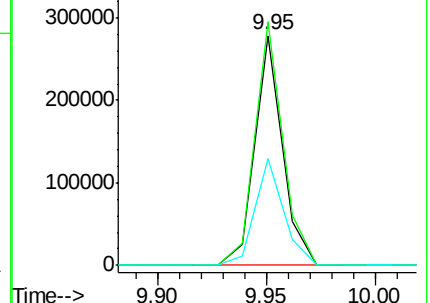
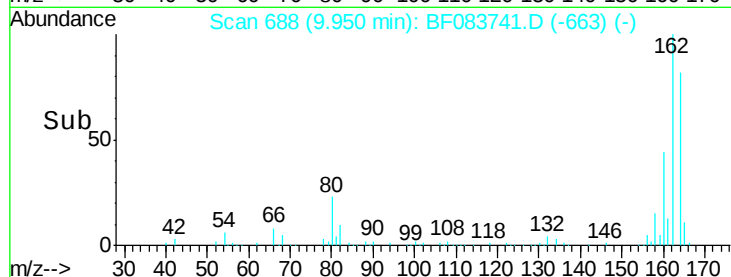
160 46.5 33.4 50.2



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: 113.77 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF083741.D

Acq: 13 Dec 2015 20:48

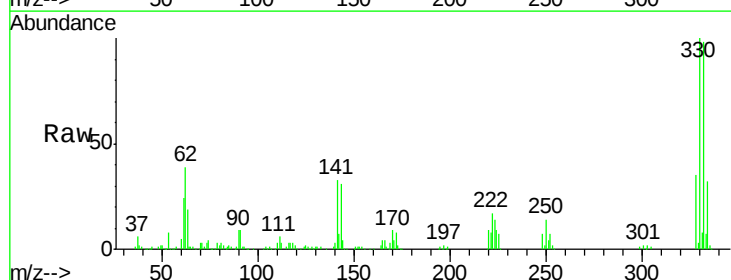
Tgt Ion:330 Resp: 283986

Ion Ratio Lower Upper

330 100

332 97.4 0.0 0.0#

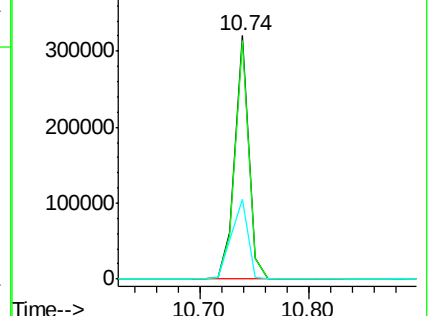
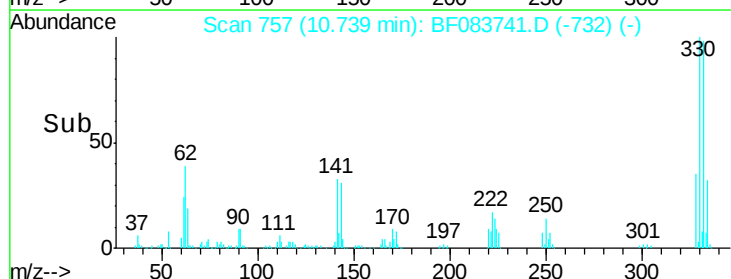
141 38.7 0.0 0.0#

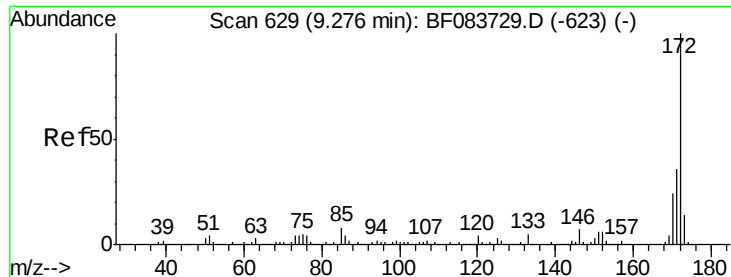


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

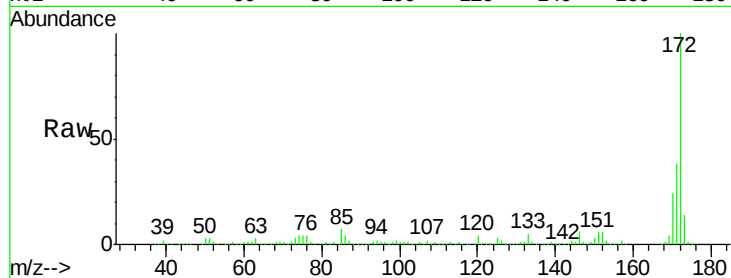




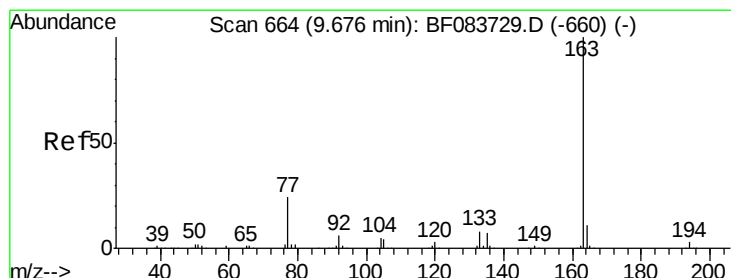
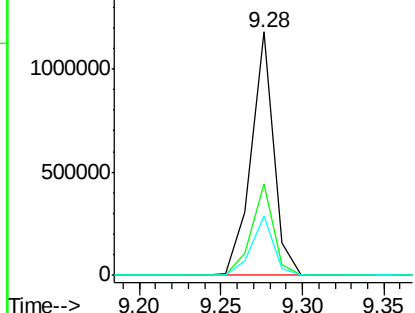
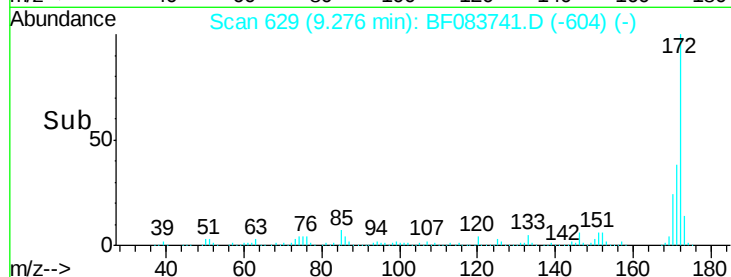
#44  
2-Fluorobiphenyl  
Concen: 62.63 ng  
RT: 9.28 min Scan# 629  
Delta R.T. -0.01 min  
Lab File: BF083741.D  
Acq: 13 Dec 2015 20:48

Instrument :  
BNA\_F  
ClientSampleId :  
SB-06(13-15)

Tot Ion:172 Resp: 1130547  
Ion Ratio Lower Upper  
172 100  
171 37.5 28.6 42.8  
170 24.5 19.4 29.0

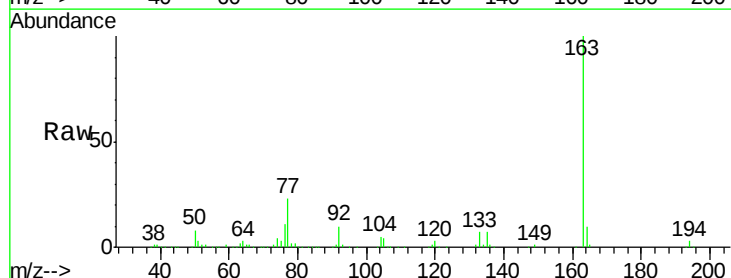


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

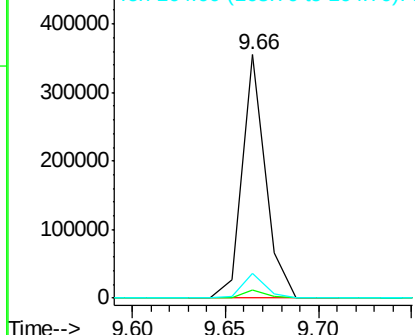
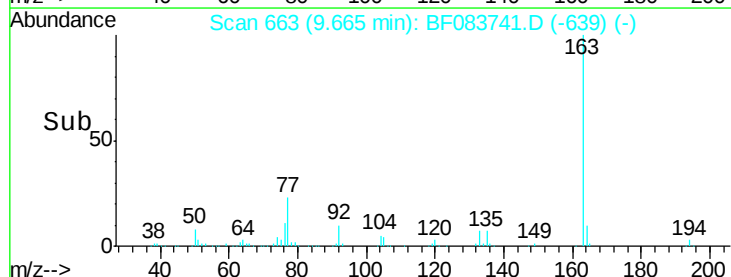


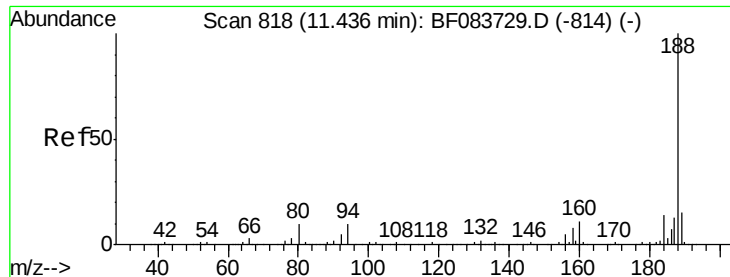
#49  
Dimethylphthalate  
Concen: 16.10 ng  
RT: 9.66 min Scan# 663  
Delta R.T. -0.02 min  
Lab File: BF083741.D  
Acq: 13 Dec 2015 20:48

Tgt Ion:163 Resp: 307412  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.8 4.2  
164 10.4 8.6 13.0



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

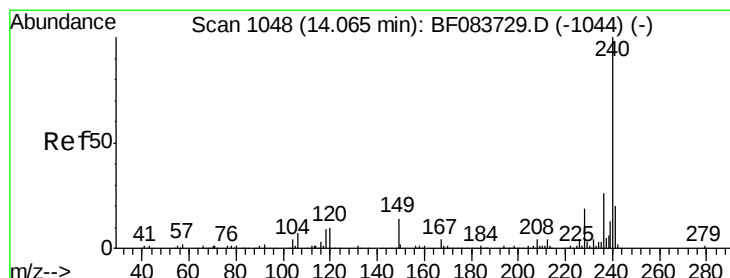
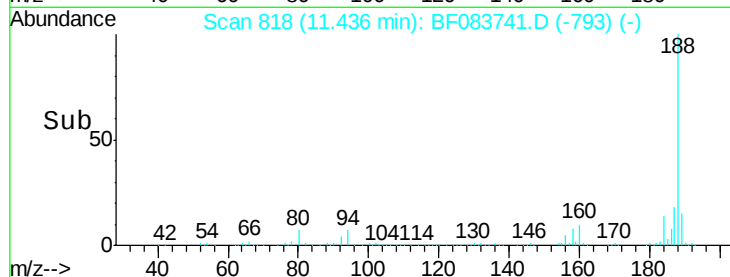
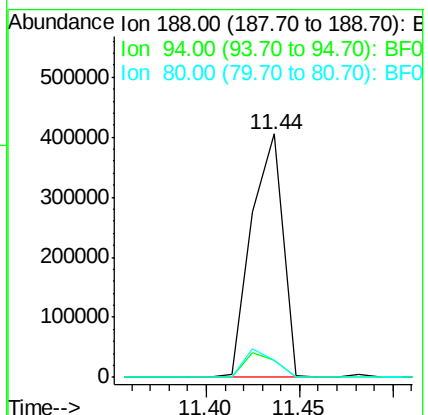
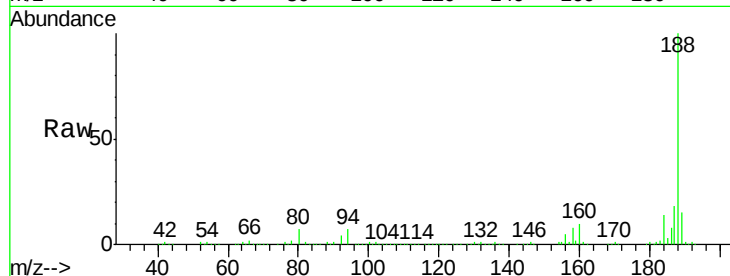




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.44 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: BF083741.D  
Acq: 13 Dec 2015 20:48

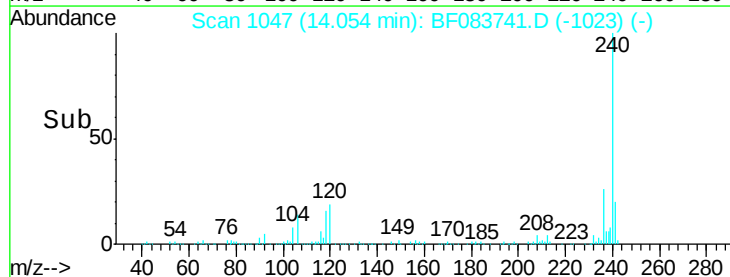
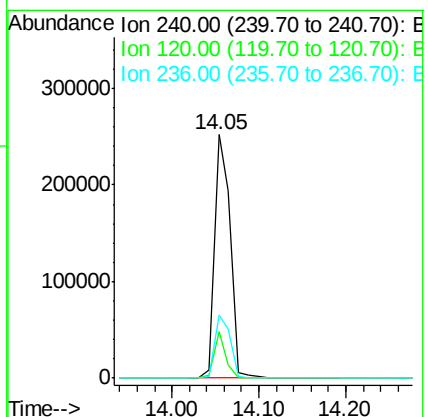
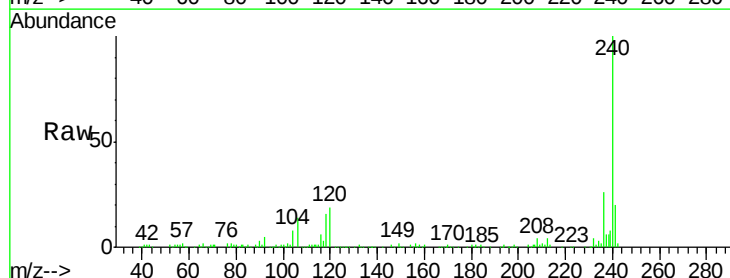
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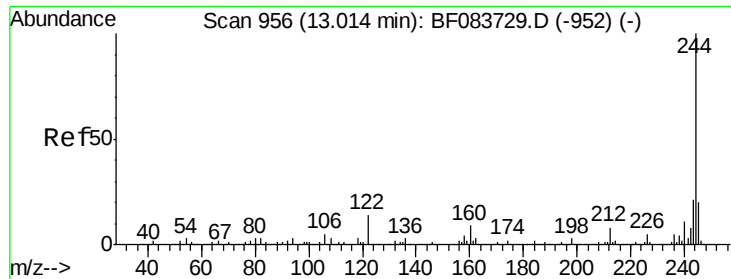
Tot Ion:188 Resp: 473154  
Ion Ratio Lower Upper  
188 100  
94 7.0 9.4 14.2#  
80 6.9 10.6 16.0#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.05 min Scan# 1047  
Delta R.T. -0.02 min  
Lab File: BF083741.D  
Acq: 13 Dec 2015 20:48

Tgt Ion:240 Resp: 320300  
Ion Ratio Lower Upper  
240 100  
120 19.2 8.1 12.1#  
236 26.1 20.8 31.2

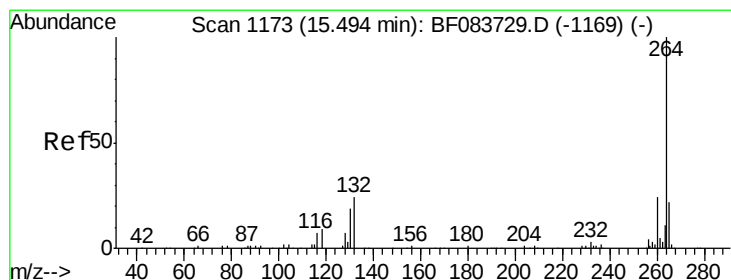
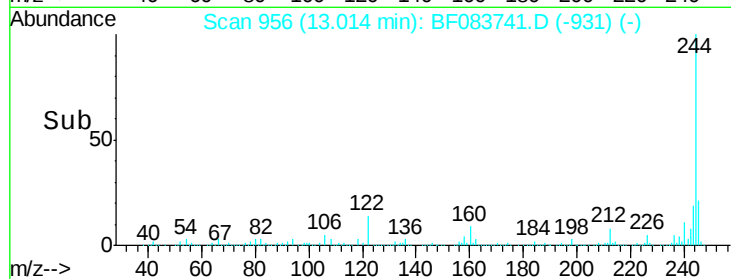
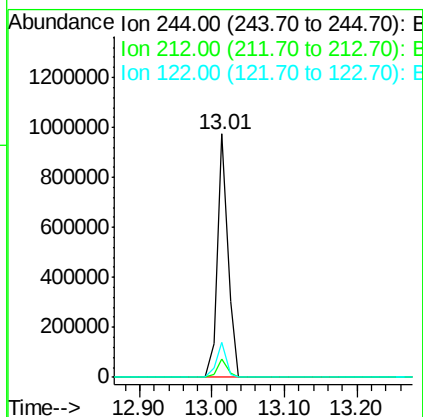
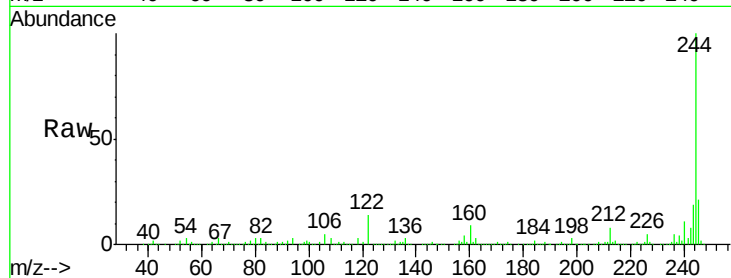




#78  
 Terphenyl-d14  
 Concen: 65.75 ng  
 RT: 13.01 min Scan# 956  
 Delta R.T. -0.01 min  
 Lab File: BF083741.D  
 Acq: 13 Dec 2015 20:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-06(13-15)

Tot Ion:244 Resp: 978969  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.1 9.1  
 122 14.3 11.0 16.6



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.49 min Scan# 1173  
 Delta R.T. -0.01 min  
 Lab File: BF083741.D  
 Acq: 13 Dec 2015 20:48

Tgt Ion:264 Resp: 253959  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 19.4 29.0  
 265 21.0 17.8 26.6

