

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102016\  
 Data File : BF090701.D  
 Acq On : 20 Oct 2016 23:53  
 Operator : UM/SJ  
 Sample : H5343-12  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RMAB-SB07-12.0-12.5

Quant Time: Oct 21 09:26:30 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 17 19:19:58 2016  
 Response via : Initial Calibration

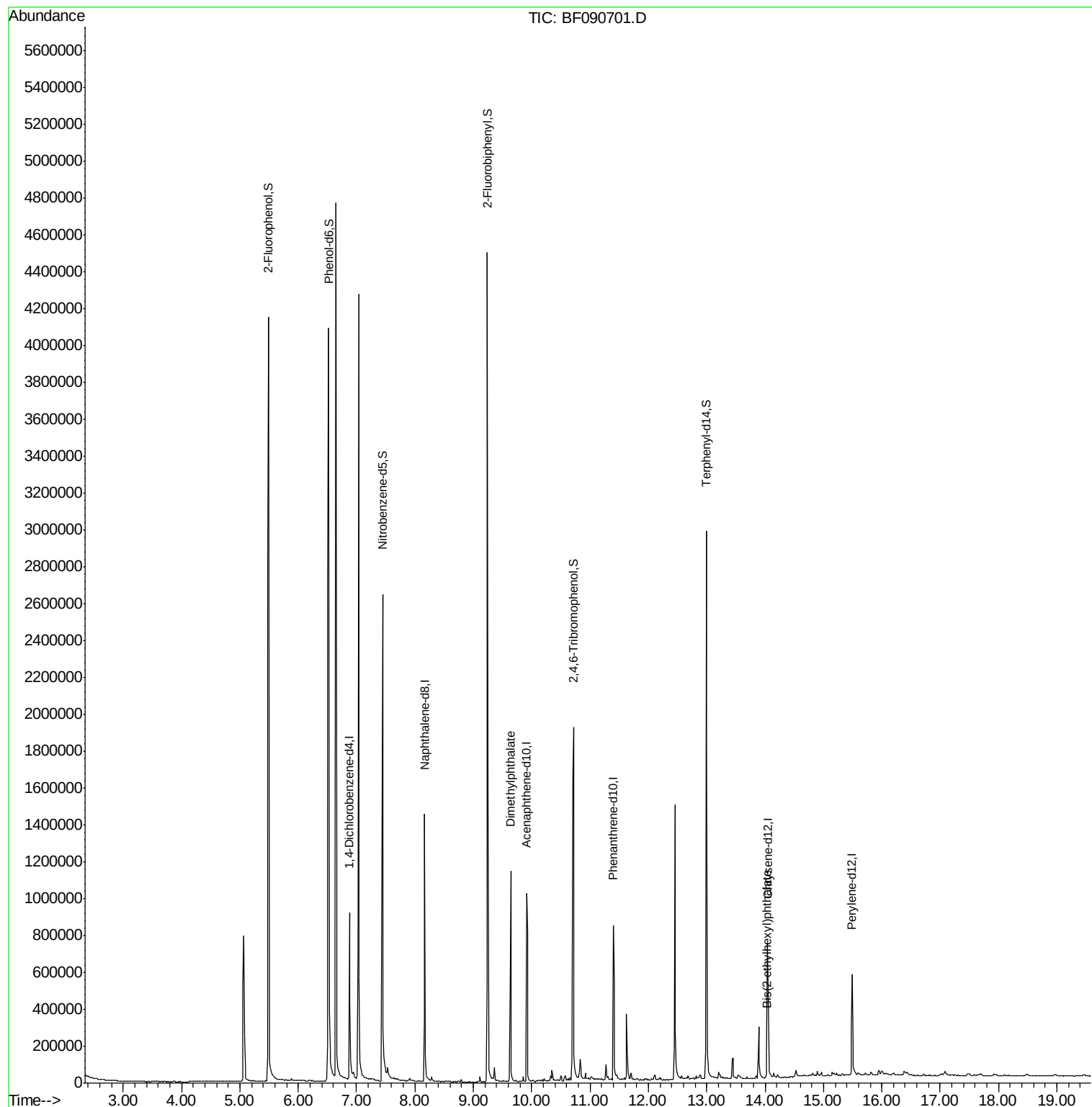
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.87  | 152  | 157231   | 20.00  | ng    | -0.03     |
| 21) Naphthalene-d8             | 8.17  | 136  | 676070   | 20.00  | ng    | -0.03     |
| 38) Acenaphthene-d10           | 9.91  | 164  | 296448   | 20.00  | ng    | -0.05     |
| 63) Phenanthrene-d10           | 11.40 | 188  | 404823   | 20.00  | ng    | -0.05     |
| 75) Chrysene-d12               | 14.04 | 240  | 305825   | 20.00  | ng    | -0.05     |
| 86) Perylene-d12               | 15.49 | 264  | 246160   | 20.00  | ng    | -0.05     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.49  | 112  | 1453940  | 169.52 | ng    | -0.02     |
| 7) Phenol-d6                   | 6.52  | 99   | 1917612  | 150.47 | ng    | -0.02     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 1183343  | 97.23  | ng    | -0.03     |
| 41) 2,4,6-Tribromophenol       | 10.71 | 330  | 324164   | 122.65 | ng    | -0.03     |
| 44) 2-Fluorobiphenyl           | 9.24  | 172  | 1498901  | 83.31  | ng    | -0.03     |
| 78) Terphenyl-d14              | 12.99 | 244  | 1144220  | 87.11  | ng    | -0.05     |
| Target Compounds               |       |      |          |        |       |           |
| 49) Dimethylphthalate          | 9.64  | 163  | 521664   | 27.12  | ng    | Qvalue 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.03 | 149  | 26955    | 2.23   | ng    | # 93      |

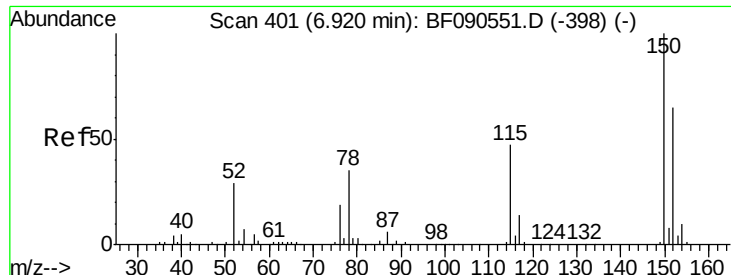
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 24 Sample Multiplier: 1

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RMAB-SB07-12.0-12.5

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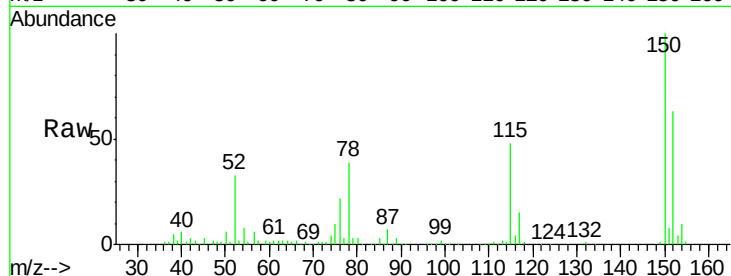


#1

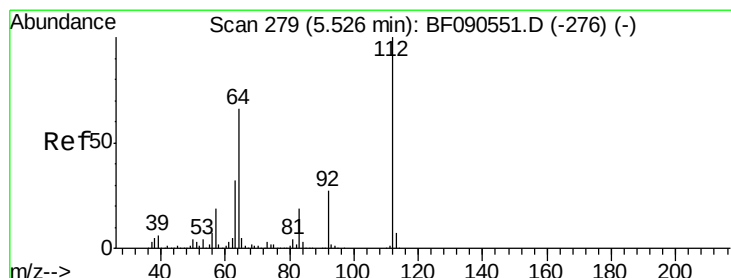
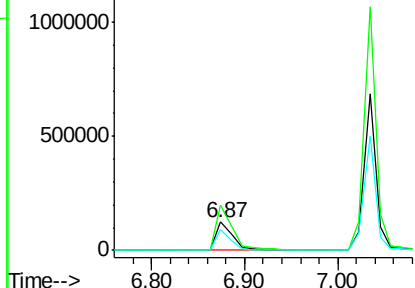
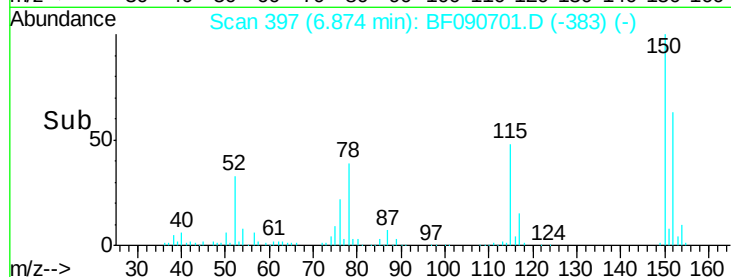
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.87 min Scan# 397  
Delta R.T. -0.03 min  
Lab File: BF090701.D  
Acq: 20 Oct 2016 23:53

Instrument :  
BNA\_F  
ClientSampleId :  
RMAB-SB07-12.0-12.5

Tot Ion:152 Resp: 157231  
Ion Ratio Lower Upper  
152 100  
150 159.8 127.2 190.8  
115 76.5 58.6 88.0



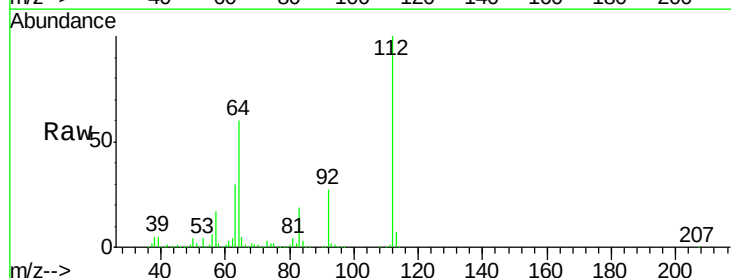
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



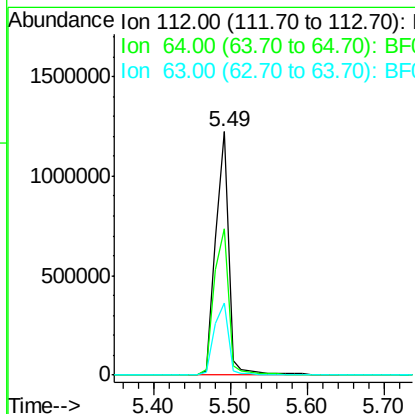
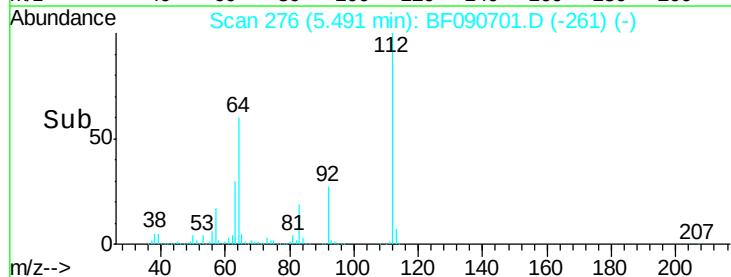
#5

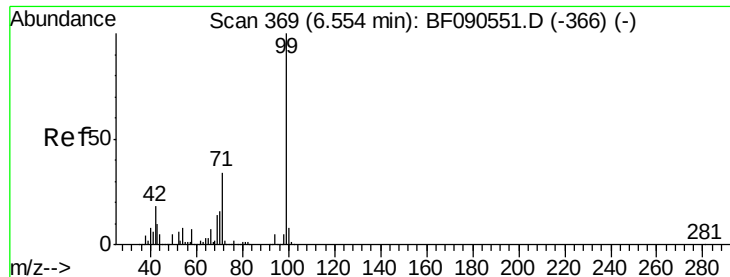
2-Fluorophenol  
Concen: 169.52 ng  
RT: 5.49 min Scan# 276  
Delta R.T. -0.02 min  
Lab File: BF090701.D  
Acq: 20 Oct 2016 23:53

Tgt Ion:112 Resp: 1453940  
Ion Ratio Lower Upper  
112 100  
64 60.0 52.6 78.8  
63 29.6 26.0 39.0



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: 150.47 ng

RT: 6.52 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF090701.D

Acq: 20 Oct 2016 23:53

Instrument :

BNA\_F

ClientSampleId :

RMAB-SB07-12.0-12.5

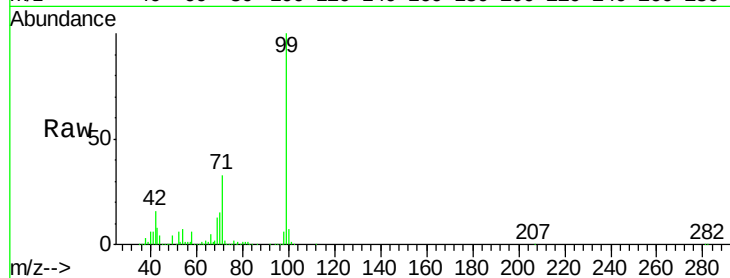
Tot Ion: 99 Resp: 1917612

Ion Ratio Lower Upper

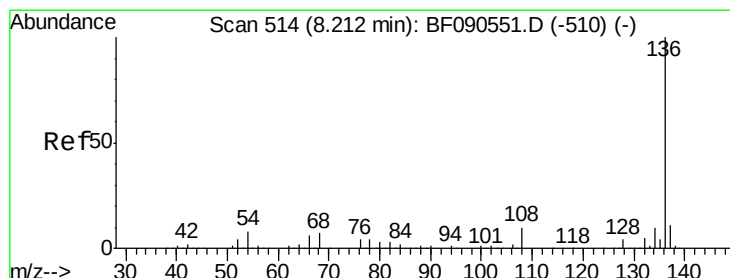
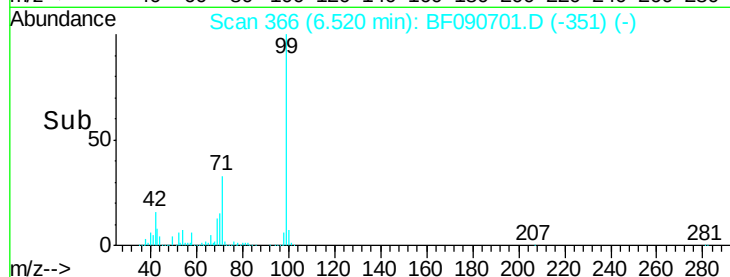
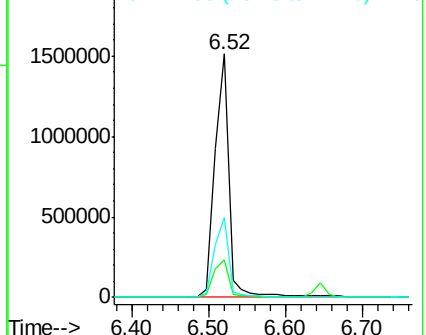
99 100

42 15.6 14.7 22.1

71 32.7 27.6 41.4



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: 8.17 min Scan# 510

Delta R.T. -0.03 min

Lab File: BF090701.D

Acq: 20 Oct 2016 23:53

Tgt Ion: 136 Resp: 676070

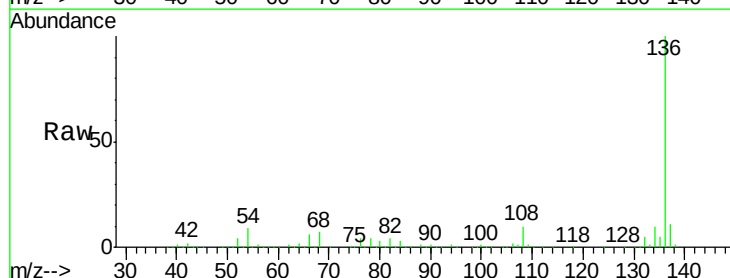
Ion Ratio Lower Upper

136 100

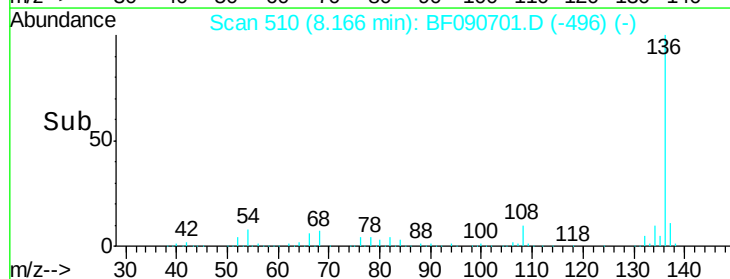
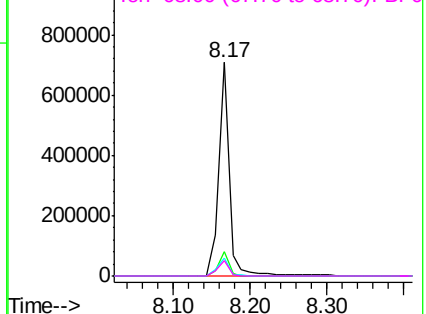
137 11.2 8.8 13.2

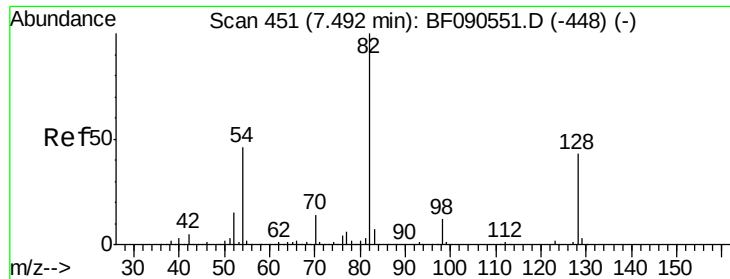
54 8.5 6.8 10.2

68 7.1 6.0 9.0



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

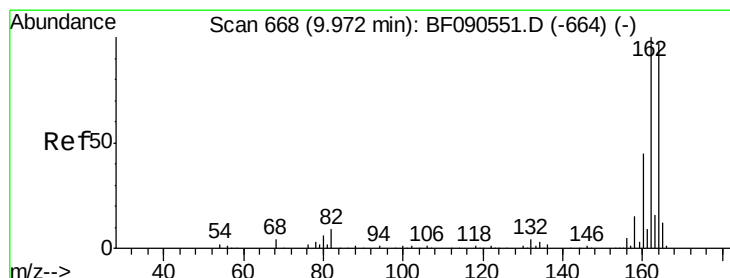
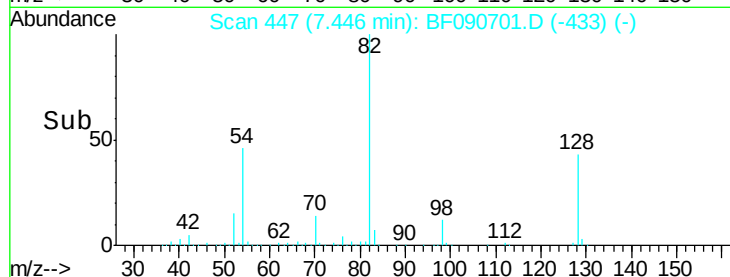
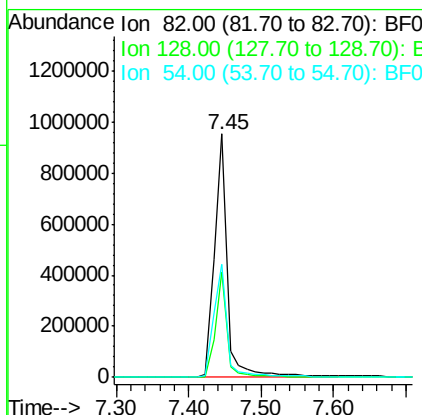
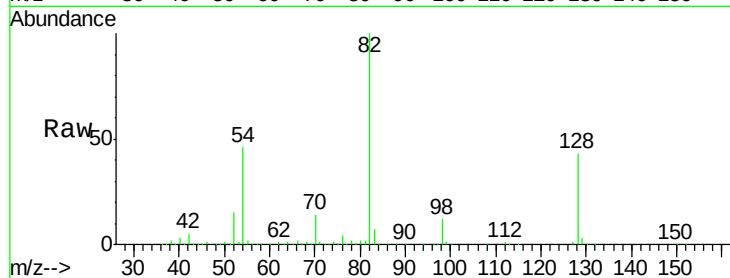




#23  
 Nitrobenzene-d5  
 Concen: 97.23 ng  
 RT: 7.45 min Scan# 447  
 Delta R.T. -0.03 min  
 Lab File: BF090701.D  
 Acq: 20 Oct 2016 23:53

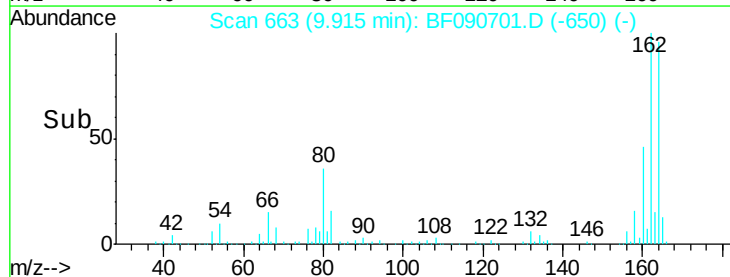
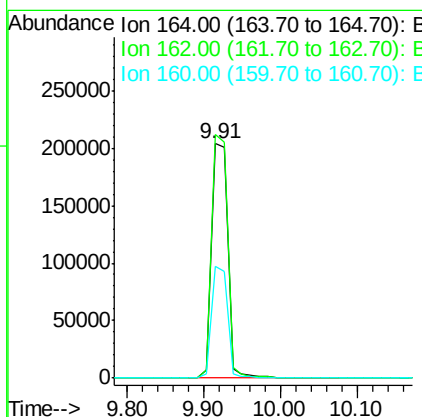
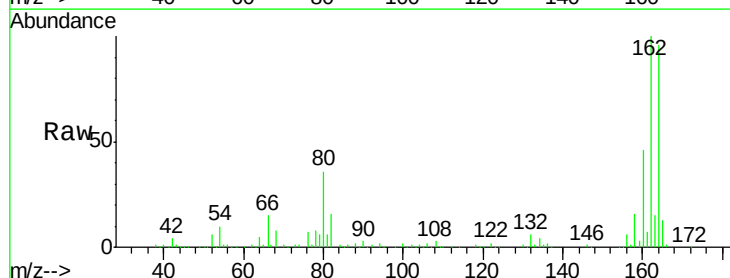
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RMAB-SB07-12.0-12.5

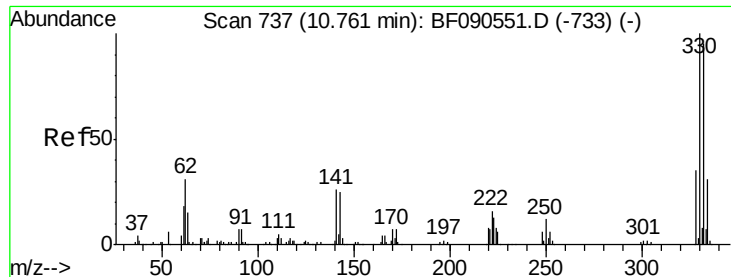
Tot Ion: 82 Resp: 1183343  
 Ion Ratio Lower Upper  
 82 100  
 128 43.3 34.3 51.5  
 54 46.2 37.0 55.6



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.91 min Scan# 663  
 Delta R.T. -0.05 min  
 Lab File: BF090701.D  
 Acq: 20 Oct 2016 23:53

Tgt Ion:164 Resp: 296448  
 Ion Ratio Lower Upper  
 164 100  
 162 103.9 82.2 123.4  
 160 47.8 36.6 55.0

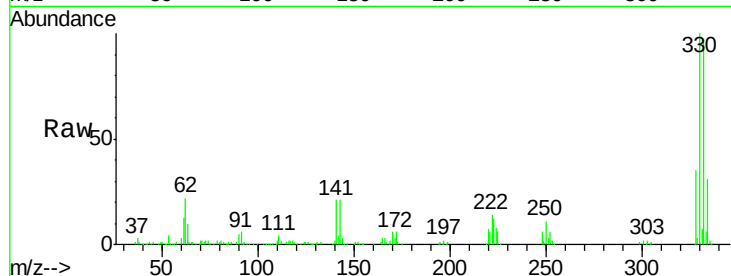




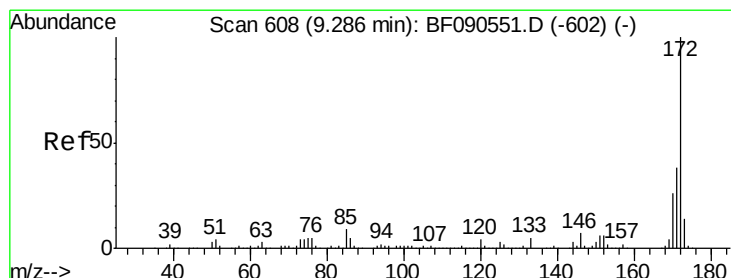
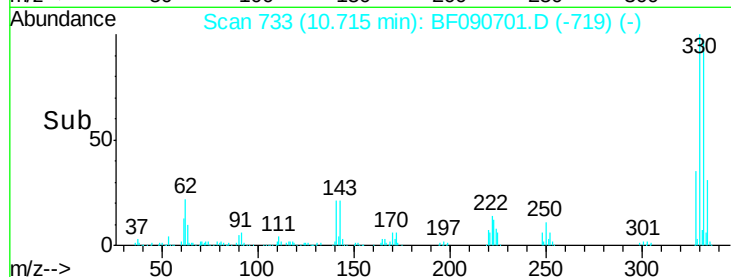
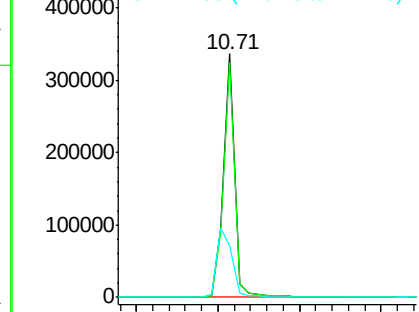
#41  
 2,4,6-Tribromophenol  
 Concen: 122.65 ng  
 RT: 10.71 min Scan# 733  
 Delta R.T. -0.03 min  
 Lab File: BF090701.D  
 Acq: 20 Oct 2016 23:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RMAB-SB07-12.0-12.5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 76.2  | 114.2 |
| 141     | 39.6  | 31.4  | 47.2  |

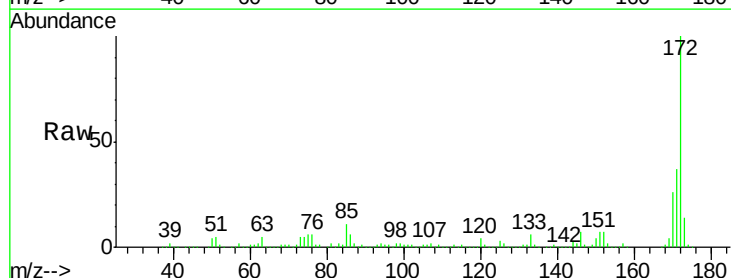


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

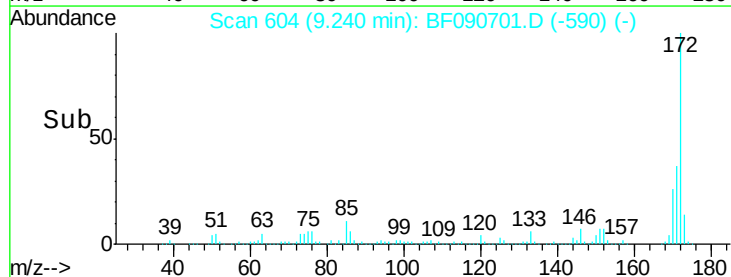
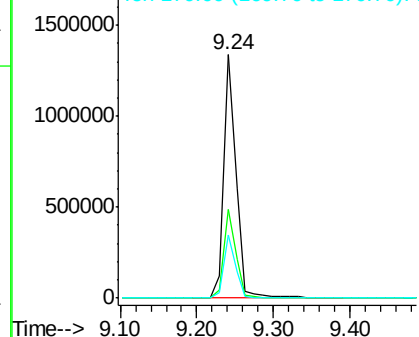


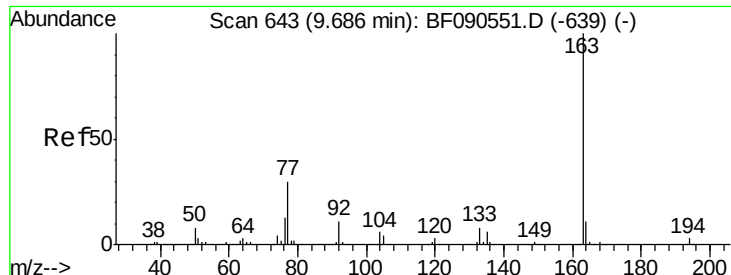
#44  
 2-Fluorobiphenyl  
 Concen: 83.31 ng  
 RT: 9.24 min Scan# 604  
 Delta R.T. -0.03 min  
 Lab File: BF090701.D  
 Acq: 20 Oct 2016 23:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 30.1  | 45.1  |
| 170     | 25.8  | 20.6  | 30.8  |



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

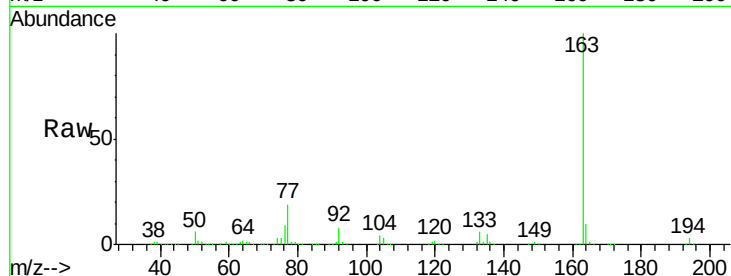




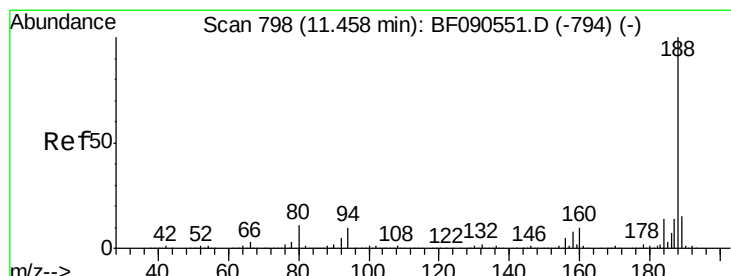
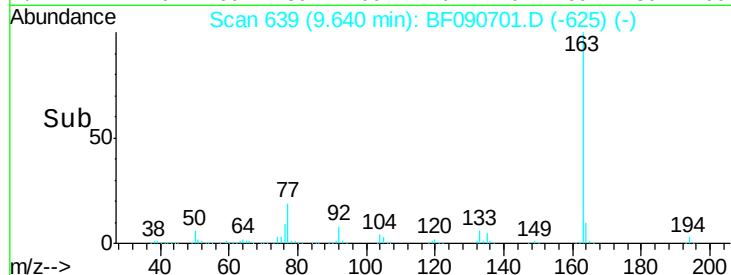
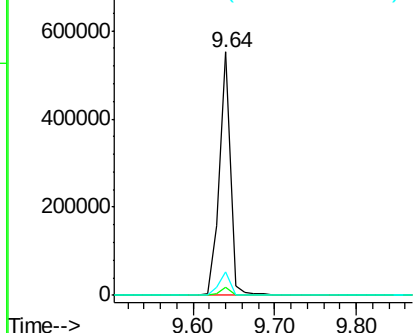
#49  
Dimethylphthalate  
Concen: 27.12 ng  
RT: 9.64 min Scan# 639  
Delta R.T. -0.03 min  
Lab File: BF090701.D  
Acq: 20 Oct 2016 23:53

Instrument :  
BNA\_F  
ClientSampleId :  
RMAB-SB07-12.0-12.5

Tot Ion:163 Resp: 521664  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.3 3.5  
164 9.8 8.6 13.0

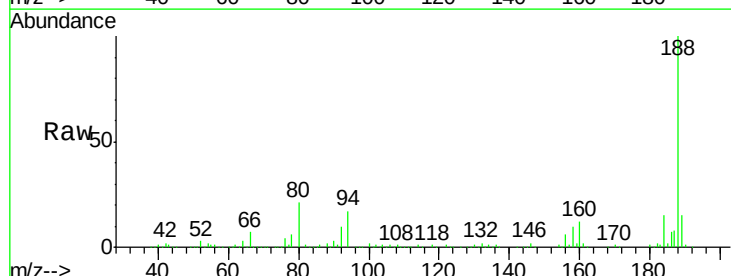


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

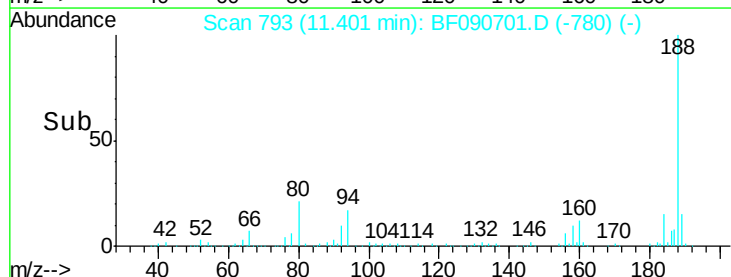
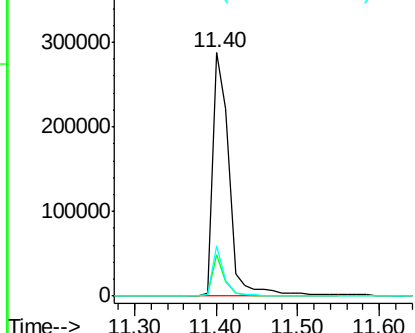


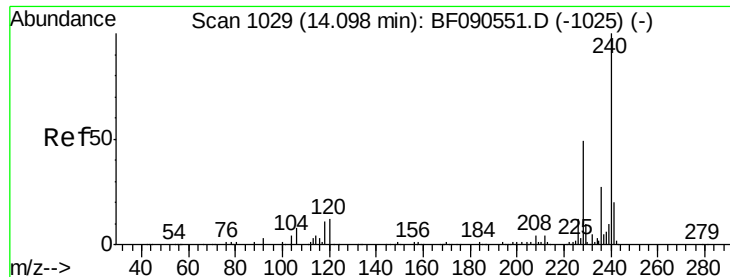
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.40 min Scan# 793  
Delta R.T. -0.05 min  
Lab File: BF090701.D  
Acq: 20 Oct 2016 23:53

Tgt Ion:188 Resp: 404823  
Ion Ratio Lower Upper  
188 100  
94 17.1 7.7 11.5#  
80 20.8 8.6 12.8#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF090701.D

Acq: 20 Oct 2016 23:53

Instrument :

BNA\_F

ClientSampleId :

RMAB-SB07-12.0-12.5

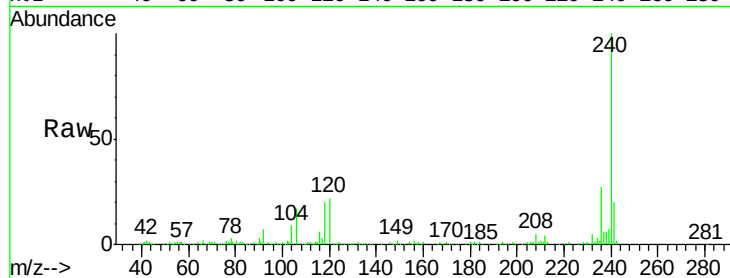
Tot Ion:240 Resp: 305825

Ion Ratio Lower Upper

240 100

120 22.4 9.8 14.8#

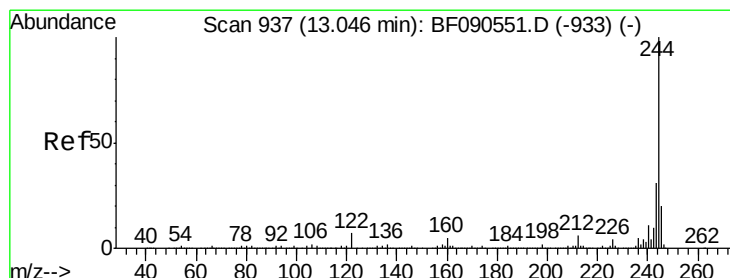
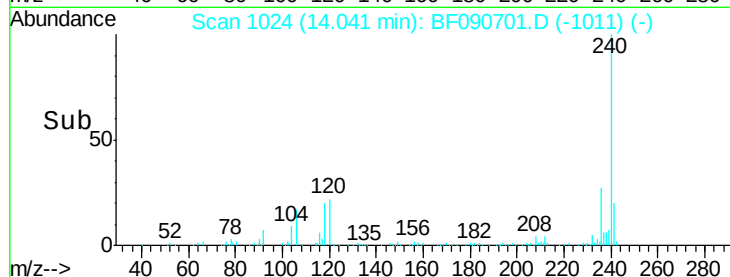
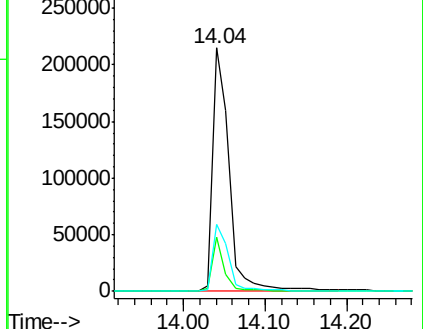
236 27.4 21.7 32.5



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: 87.11 ng

RT: 12.99 min Scan# 932

Delta R.T. -0.05 min

Lab File: BF090701.D

Acq: 20 Oct 2016 23:53

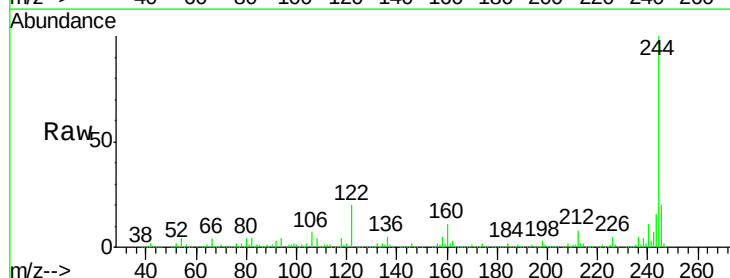
Tgt Ion:244 Resp: 1144220

Ion Ratio Lower Upper

244 100

212 8.4 5.0 7.4#

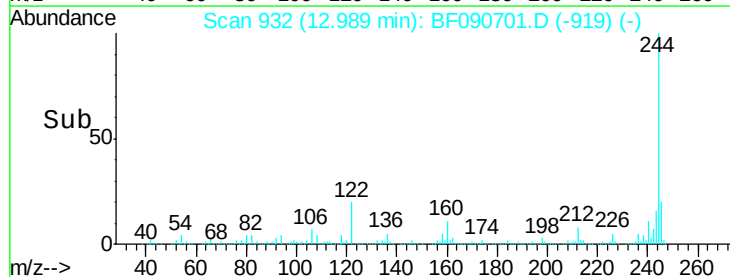
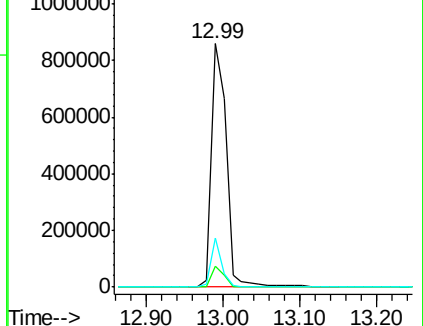
122 20.3 5.6 8.4#



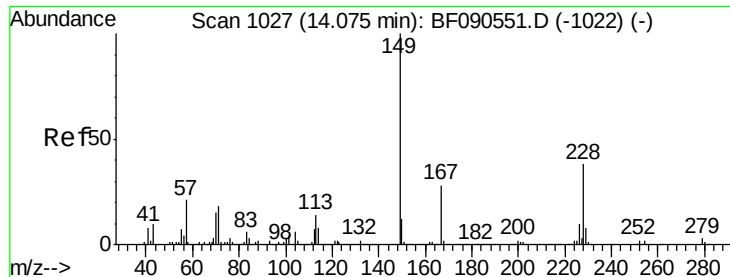
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#83

Bis(2-ethylhexyl)phthalate

Concen: 2.23 ng

RT: 14.03 min Scan# 1023

Delta R.T. -0.03 min

Lab File: BF090701.D

Acq: 20 Oct 2016 23:53

Instrument :

BNA\_F

ClientSampleId :

RMAB-SB07-12.0-12.5

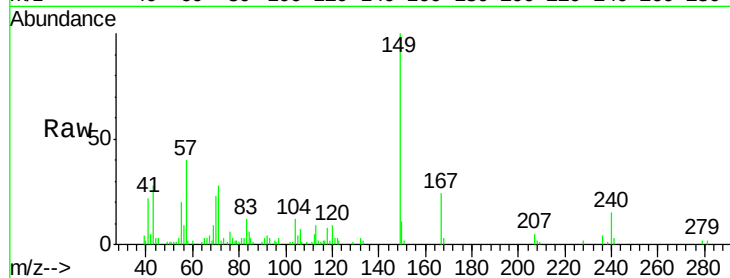
Tot Ion:149 Resp: 26955

Ion Ratio Lower Upper

149 100

167 23.9 22.1 33.1

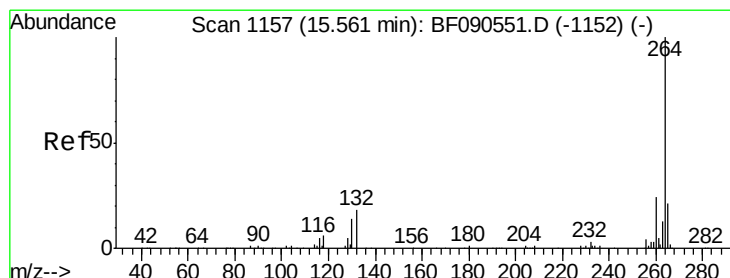
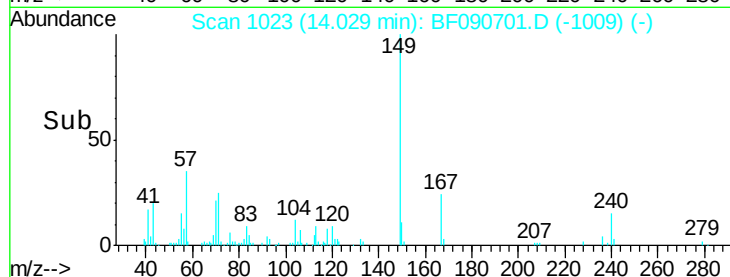
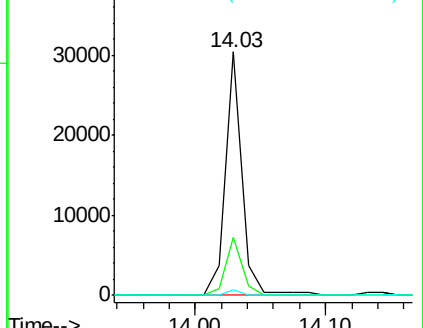
279 2.2 2.6 4.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1151

Delta R.T. -0.05 min

Lab File: BF090701.D

Acq: 20 Oct 2016 23:53

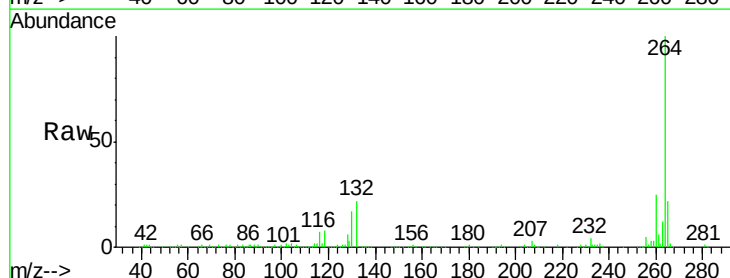
Tgt Ion:264 Resp: 246160

Ion Ratio Lower Upper

264 100

260 25.1 19.3 28.9

265 21.9 16.7 25.1



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

