

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\  
 Data File : BF076838.D  
 Acq On : 13 Jan 2015 9:55  
 Operator : IZ / TP  
 Sample : G1056-03DL 5X  
 Misc : S  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SW-010DL

Quant Time: Jan 13 12:05:24 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 10 06:22:22 2015  
 Response via : Initial Calibration

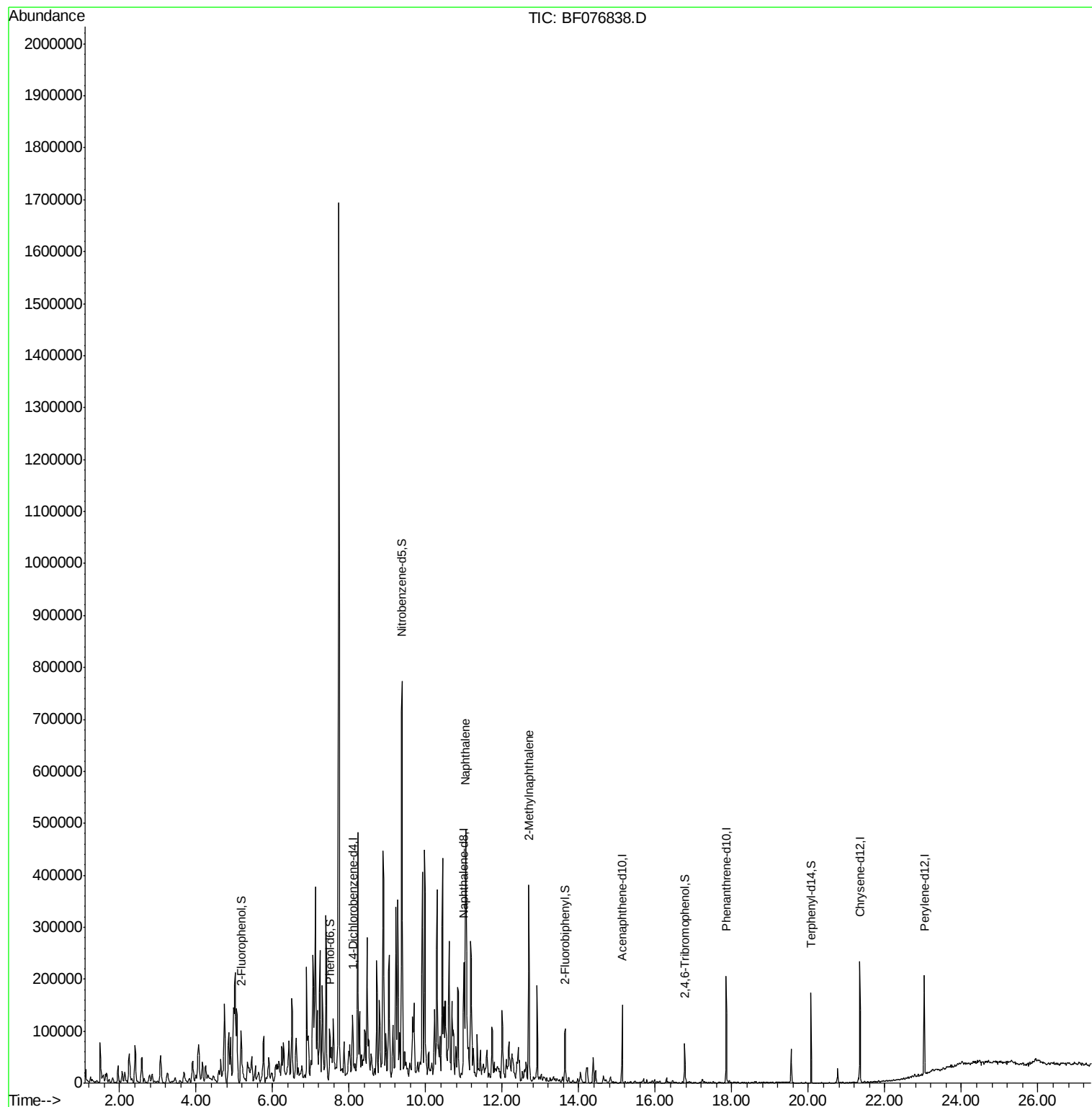
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.09  | 152  | 28494    | 20.00 | ng    | 0.01        |
| 21) Naphthalene-d8          | 11.00 | 136  | 120904   | 20.00 | ng    | 0.00        |
| 38) Acenaphthene-d10        | 15.13 | 164  | 64635    | 20.00 | ng    | 0.00        |
| 63) Phenanthrene-d10        | 17.85 | 188  | 101523   | 20.00 | ng    | 0.00        |
| 75) Chrysene-d12            | 21.34 | 240  | 106978   | 20.00 | ng    | -0.01       |
| 86) Perylene-d12            | 23.03 | 264  | 101003   | 20.00 | ng    | 0.01        |
| System Monitoring Compounds |       |      |          |       |       |             |
| 5) 2-Fluorophenol           | 5.18  | 112  | 43238    | 24.96 | ng    | 0.00        |
| 7) Phenol-d6                | 7.49  | 99   | 52239    | 23.94 | ng    | -0.01       |
| 23) Nitrobenzene-d5         | 9.38  | 82   | 34041    | 15.32 | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol    | 16.77 | 330  | 10173    | 18.37 | ng    | -0.01       |
| 44) 2-Fluorobiphenyl        | 13.65 | 172  | 59984    | 13.50 | ng    | 0.00        |
| 78) Terphenyl-d14           | 20.07 | 244  | 60258    | 12.13 | ng    | 0.00        |
| Target Compounds            |       |      |          |       |       |             |
| 31) Naphthalene             | 11.04 | 128  | 273651   | 43.84 | ng    | Qvalue # 96 |
| 37) 2-Methylnaphthalene     | 12.70 | 142  | 161123   | 36.65 | ng    | 97          |

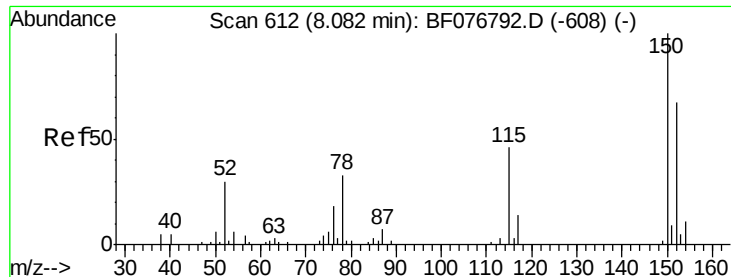
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jan 10 06:22:22 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.09 min Scan# 613

Delta R.T. 0.01 min

Lab File: BF076838.D

Acq: 13 Jan 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SW-010DL

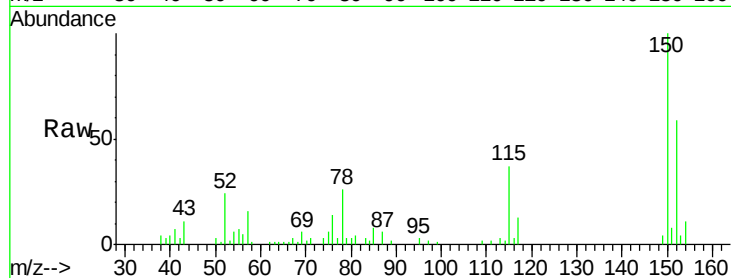
Tot Ion:152 Resp: 28494

Ion Ratio Lower Upper

152 100

150 170.4 119.5 179.3

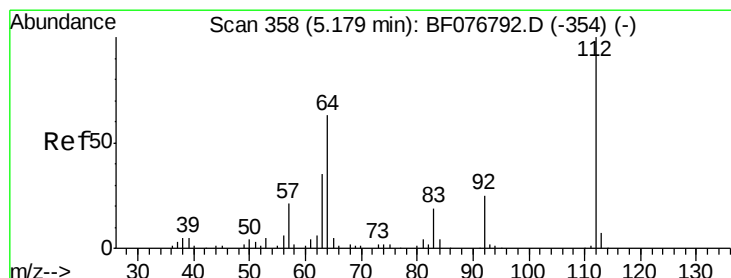
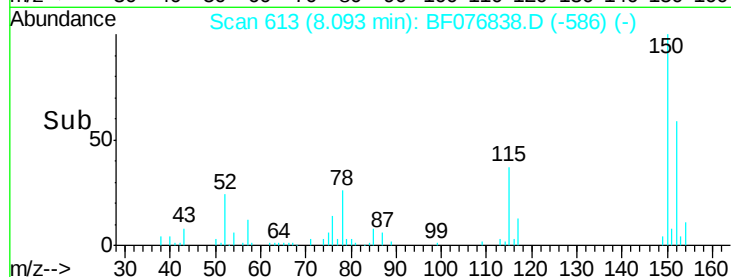
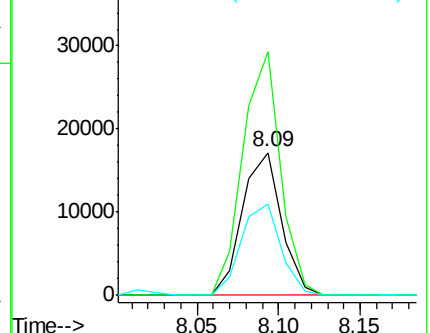
115 63.7 54.6 81.8



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: 24.96 ng

RT: 5.18 min Scan# 358

Delta R.T. -0.00 min

Lab File: BF076838.D

Acq: 13 Jan 2015 9:55

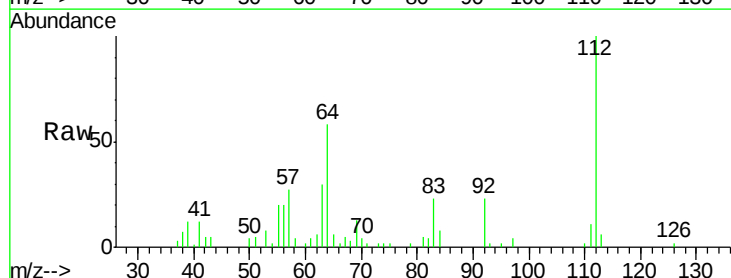
Tgt Ion:112 Resp: 43238

Ion Ratio Lower Upper

112 100

64 58.3 50.2 75.4

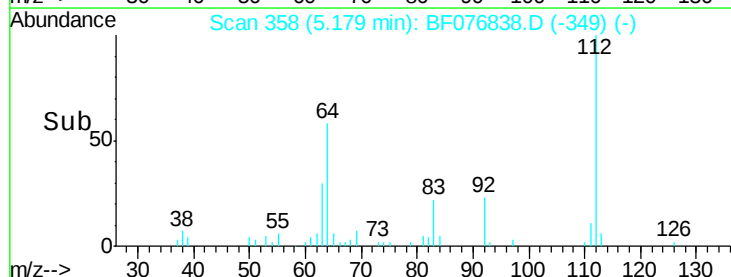
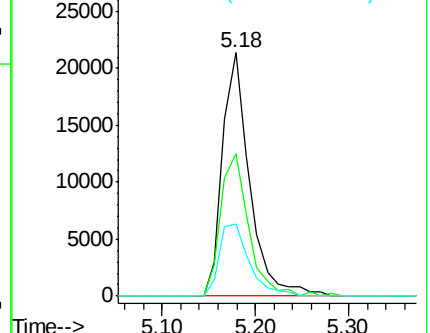
63 29.7 27.8 41.6

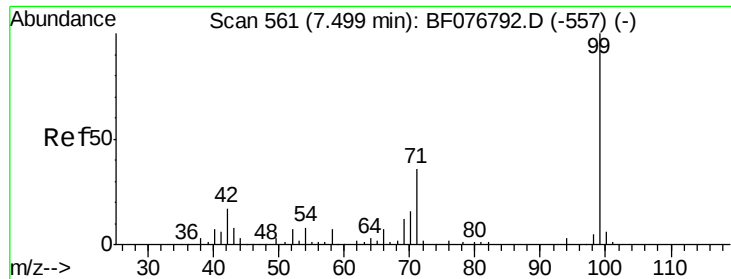


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.94 ng

RT: 7.49 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF076838.D

Acq: 13 Jan 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SW-010DL

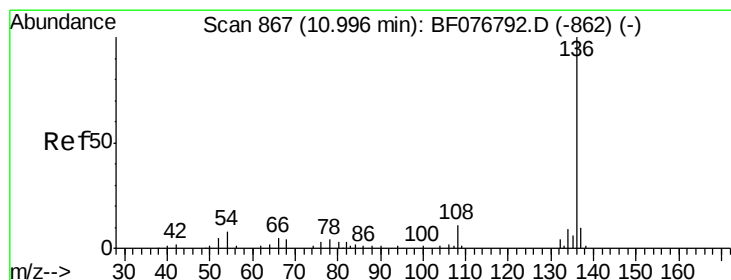
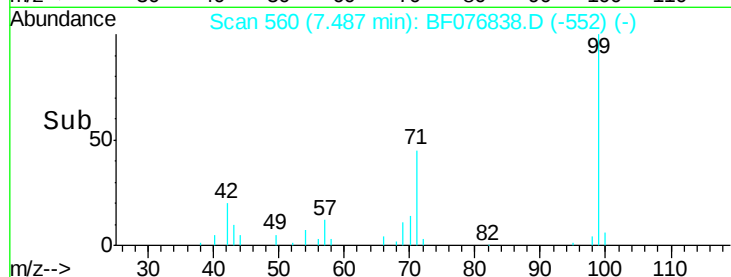
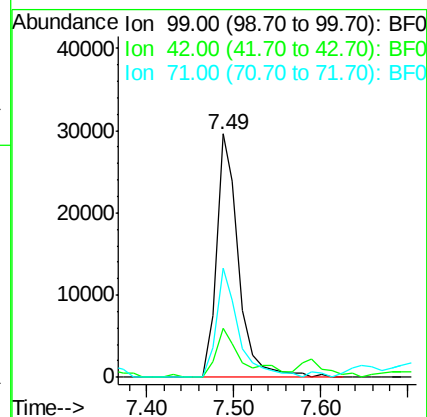
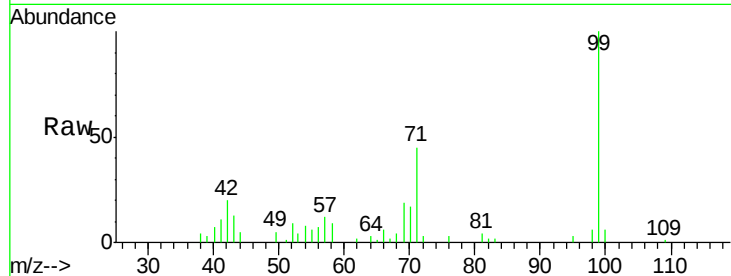
Tot Ion: 99 Resp: 52239

Ion Ratio Lower Upper

99 100

42 20.0 13.3 19.9#

71 44.9 29.2 43.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.00 min Scan# 867

Delta R.T. -0.00 min

Lab File: BF076838.D

Acq: 13 Jan 2015 9:55

Tgt Ion: 136 Resp: 120904

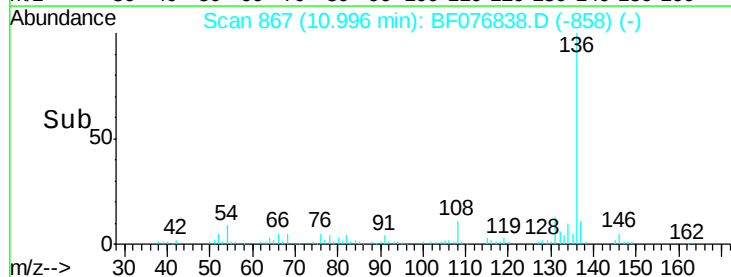
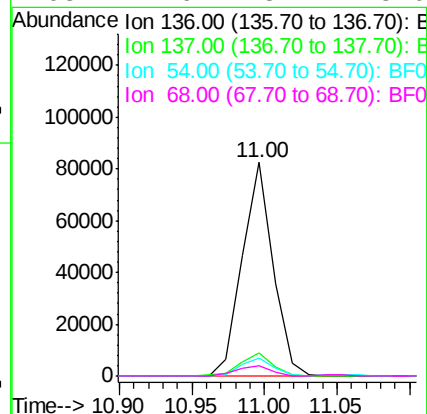
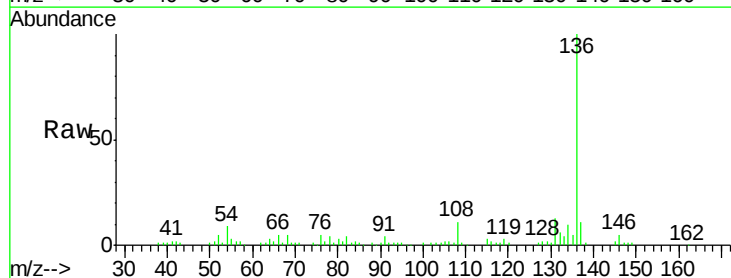
Ion Ratio Lower Upper

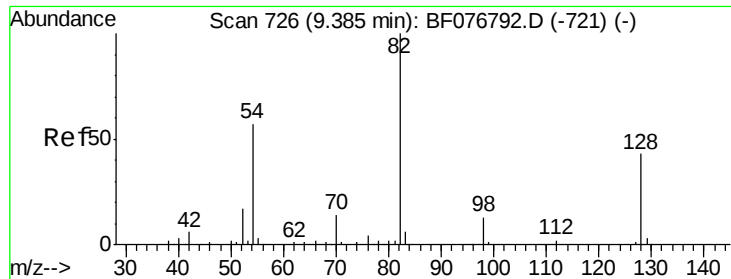
136 100

137 10.7 8.1 12.1

54 8.5 6.3 9.5

68 4.6 3.4 5.0

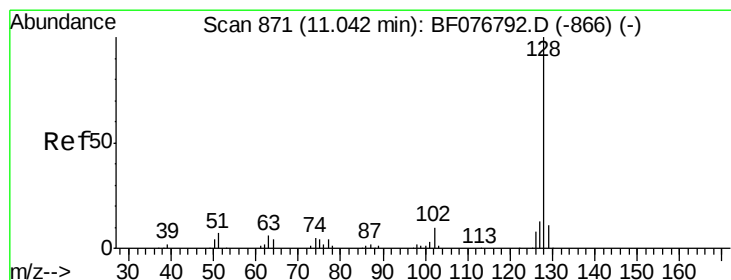
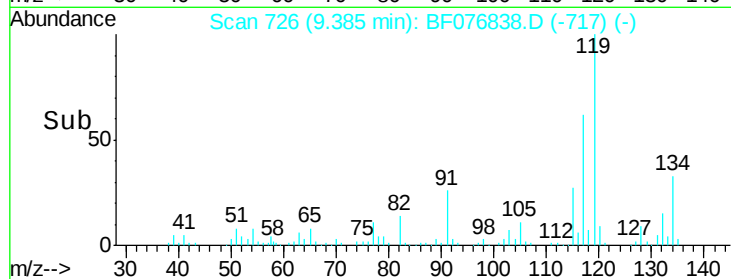
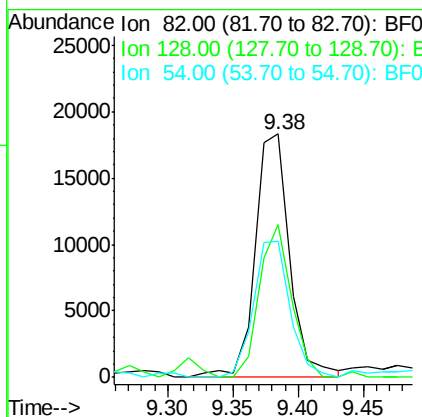
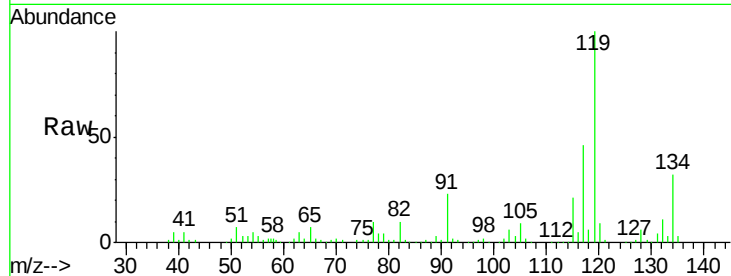




#23  
Nitrobenzene-d5  
Concen: 15.32 ng  
RT: 9.38 min Scan# 726  
Delta R.T. -0.00 min  
Lab File: BF076838.D  
Acq: 13 Jan 2015 9:55

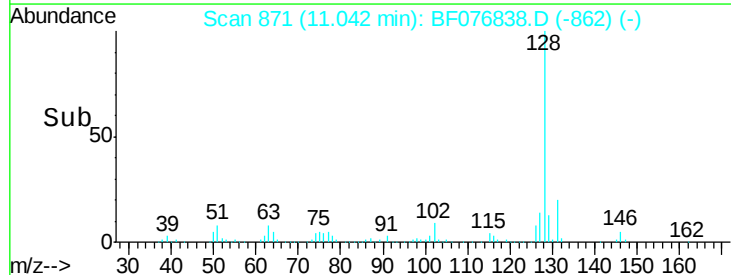
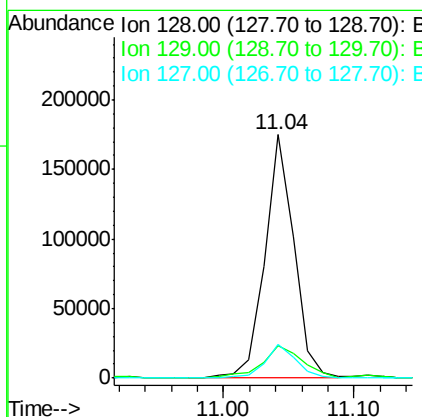
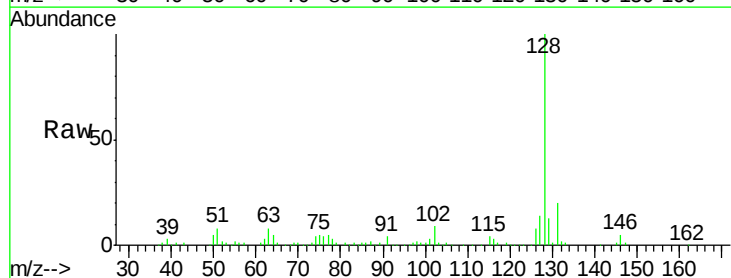
Instrument :  
BNA\_F  
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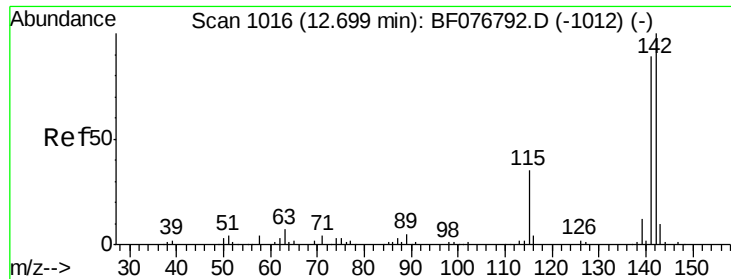
Tot Ion: 82 Resp: 34041  
Ion Ratio Lower Upper  
82 100  
128 62.6 34.0 51.0#  
54 55.7 45.6 68.4



#31  
Naphthalene  
Concen: 43.84 ng  
RT: 11.04 min Scan# 871  
Delta R.T. -0.00 min  
Lab File: BF076838.D  
Acq: 13 Jan 2015 9:55

Tgt Ion: 128 Resp: 273651  
Ion Ratio Lower Upper  
128 100  
129 13.2 8.6 13.0#  
127 13.7 10.1 15.1

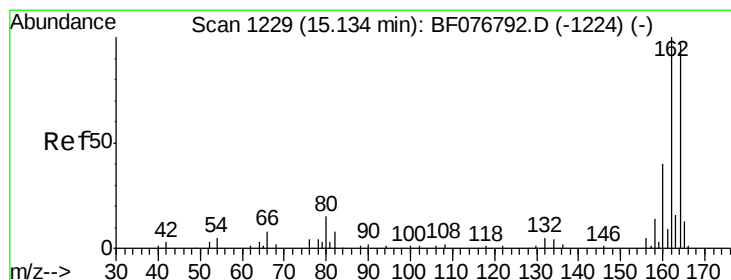
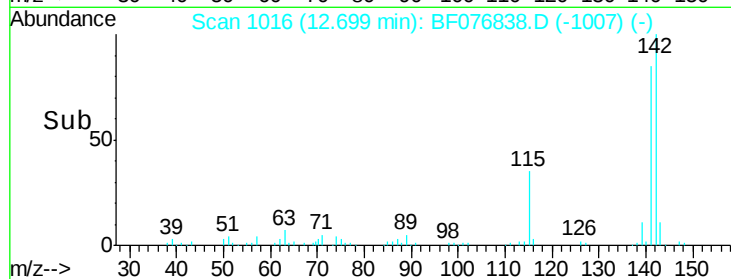
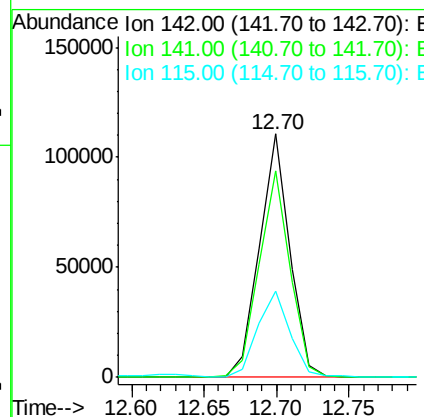
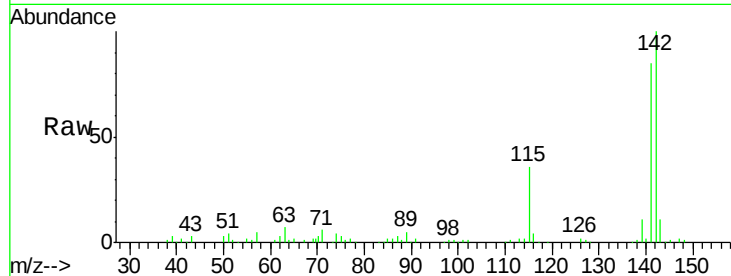




#37  
 2-Methylnaphthalene  
 Concen: 36.65 ng  
 RT: 12.70 min Scan# 1016  
 Delta R.T. -0.00 min  
 Lab File: BF076838.D  
 Acq: 13 Jan 2015 9:55

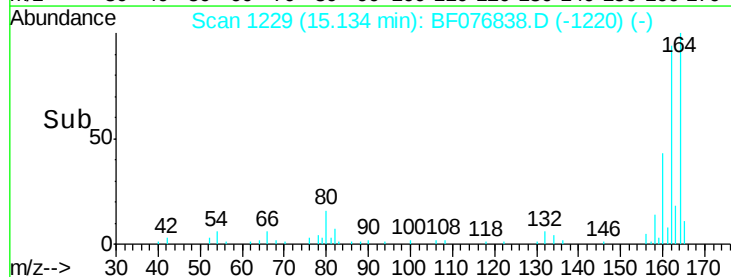
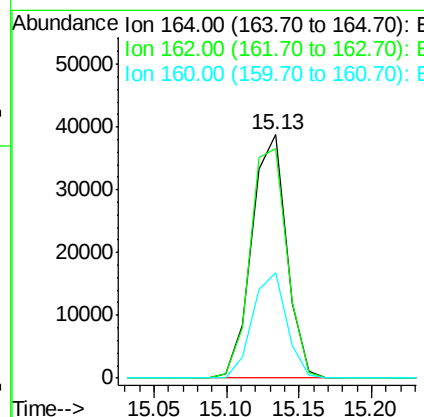
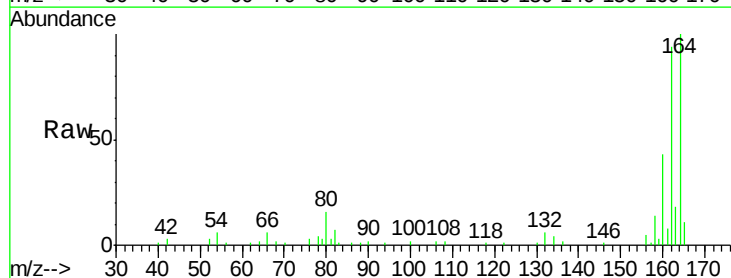
Instrument :  
 BNA\_F  
 ClientSampleID :  
 SW-010DL

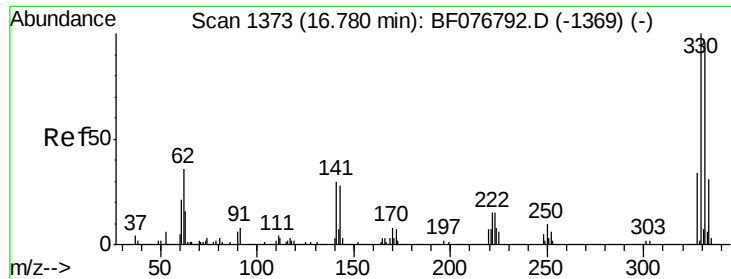
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 84.9  | 71.0  | 106.4 |
| 115     | 35.5  | 28.2  | 42.2  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.13 min Scan# 1229  
 Delta R.T. -0.00 min  
 Lab File: BF076838.D  
 Acq: 13 Jan 2015 9:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 94.1  | 82.5  | 123.7 |
| 160     | 43.1  | 33.1  | 49.7  |

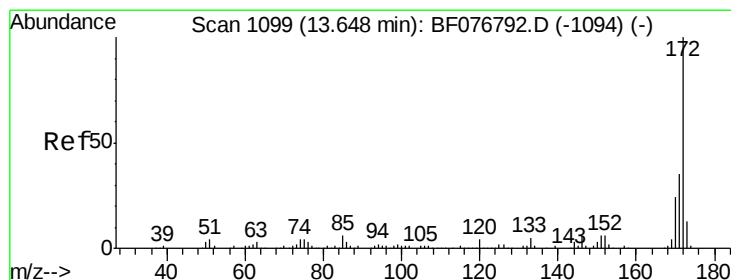
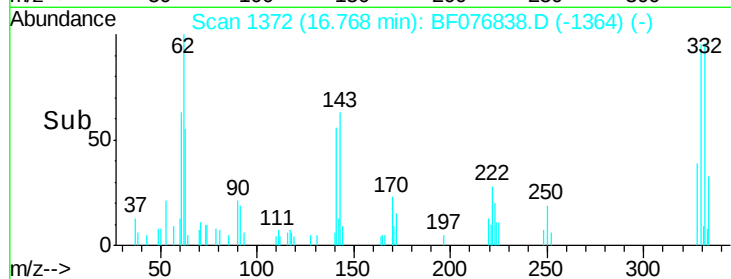
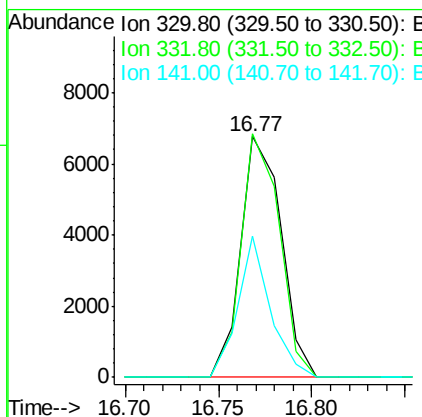
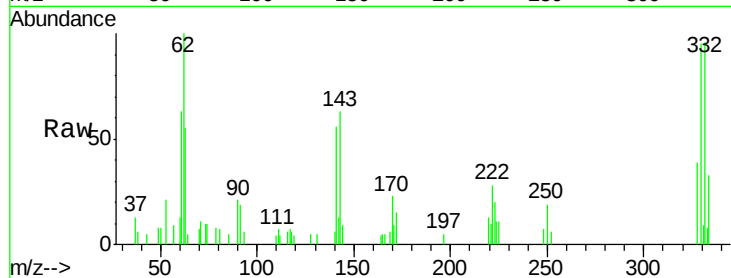




#41  
 2,4,6-Tribromophenol  
 Concen: 18.37 ng  
 RT: 16.77 min Scan# 1372  
 Delta R.T. -0.01 min  
 Lab File: BF076838.D  
 Acq: 13 Jan 2015 9:55

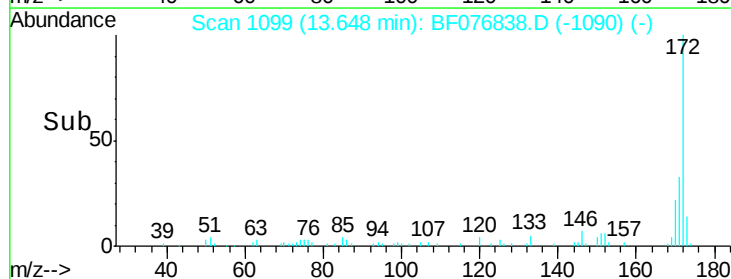
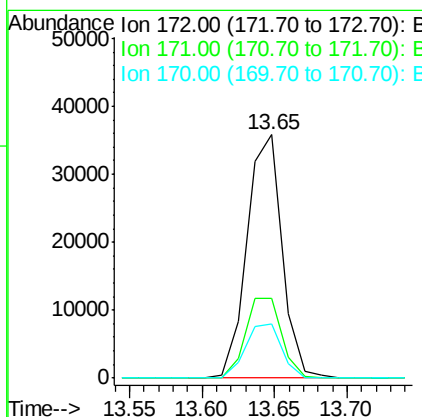
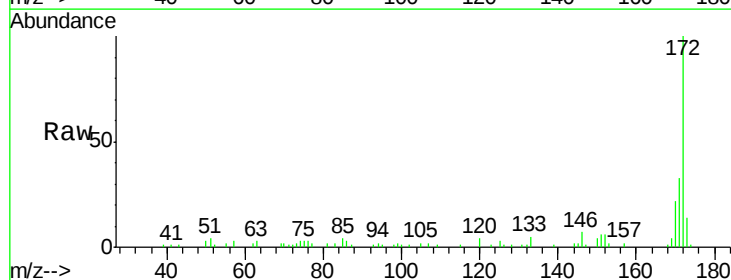
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SW-010DL

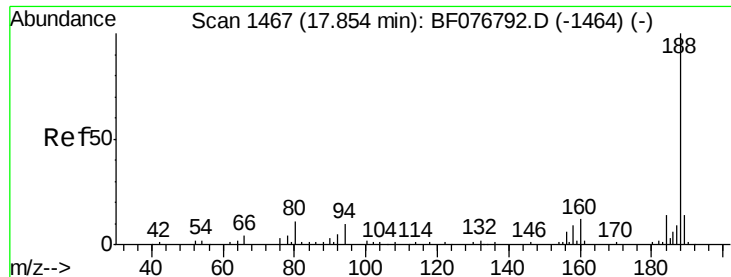
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 74.8  | 112.2 |
| 141     | 47.5  | 42.4  | 63.6  |



#44  
 2-Fluorobiphenyl  
 Concen: 13.50 ng  
 RT: 13.65 min Scan# 1099  
 Delta R.T. -0.00 min  
 Lab File: BF076838.D  
 Acq: 13 Jan 2015 9:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 32.6  | 27.8  | 41.8  |
| 170     | 22.4  | 18.8  | 28.2  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.85 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BF076838.D

Acq: 13 Jan 2015 9:55

Instrument :

BNA\_F

ClientSampleId :

SW-010DL

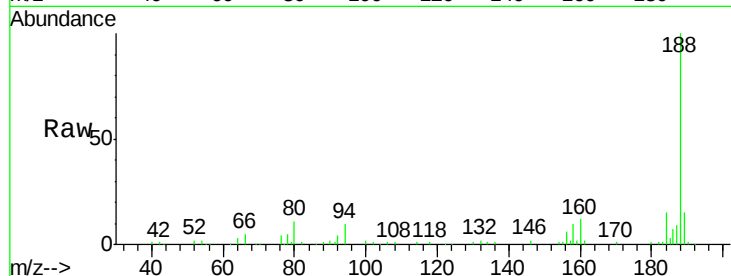
Tot Ion:188 Resp: 101523

Ion Ratio Lower Upper

188 100

94 9.9 7.8 11.6

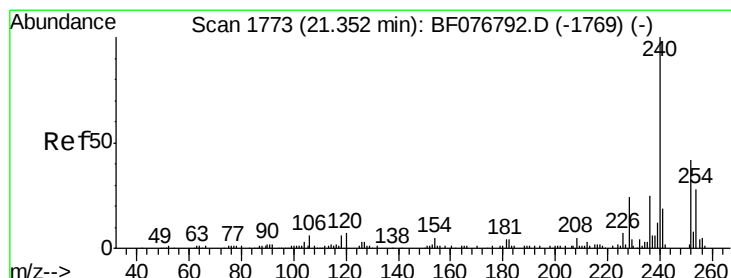
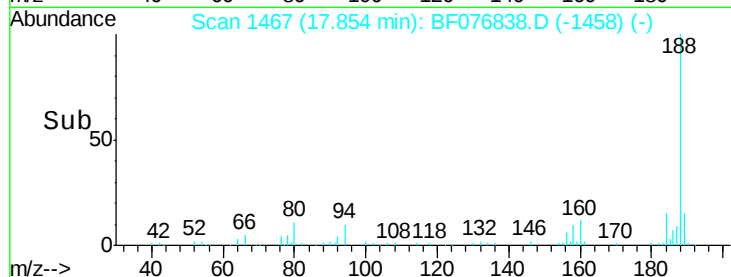
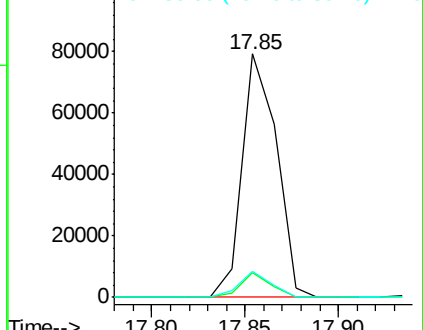
80 10.8 8.6 13.0



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: 21.34 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF076838.D

Acq: 13 Jan 2015 9:55

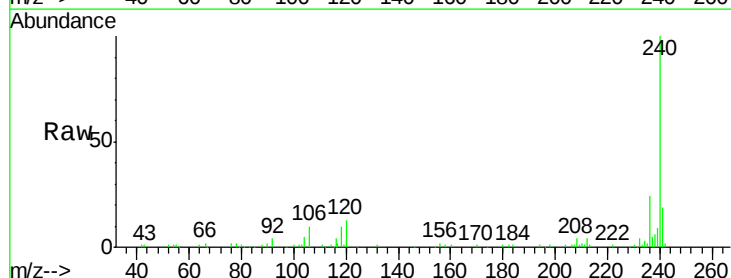
Tgt Ion:240 Resp: 106978

Ion Ratio Lower Upper

240 100

120 12.9 5.7 8.5#

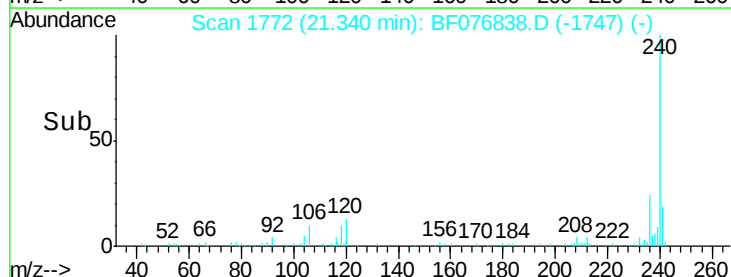
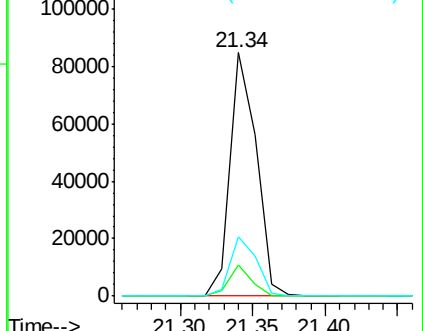
236 24.4 19.7 29.5

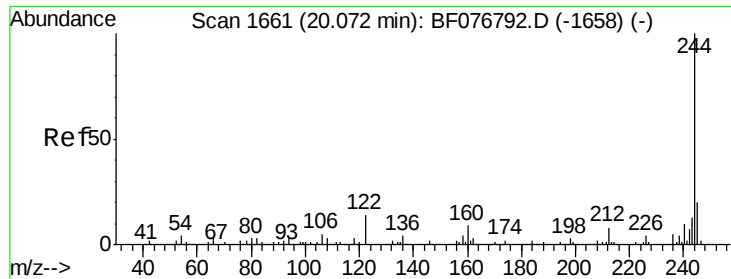


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 12.13 ng

RT: 20.07 min Scan# 1661

Delta R.T. -0.00 min

Lab File: BF076838.D

Acq: 13 Jan 2015 9:55

Instrument :

BNA\_F

ClientSampleID :

SW-010DL

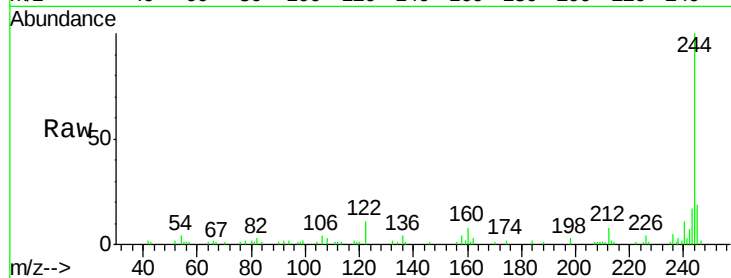
Tot Ion:244 Resp: 60258

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

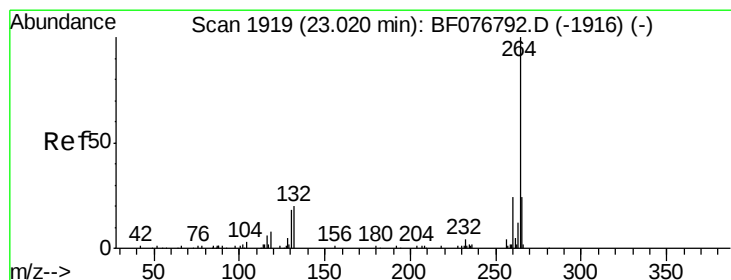
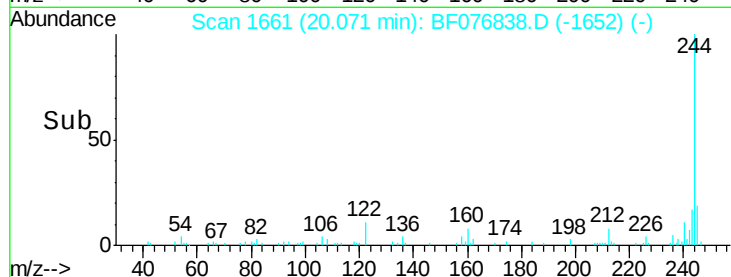
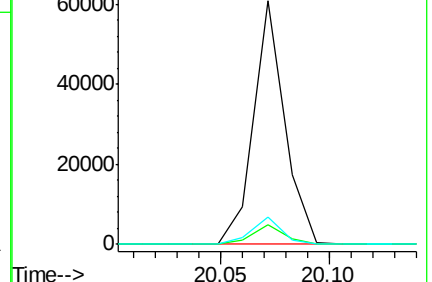
122 11.2 11.3 16.9#



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: 23.03 min Scan# 1920

Delta R.T. 0.01 min

Lab File: BF076838.D

Acq: 13 Jan 2015 9:55

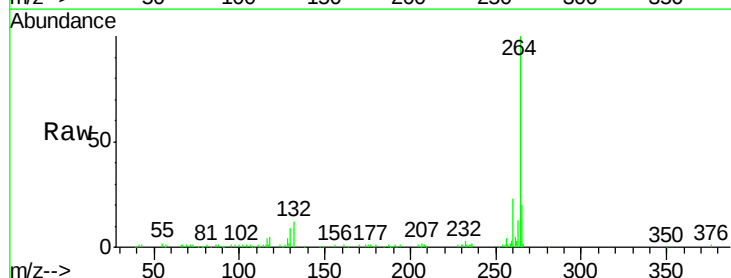
Tgt Ion:264 Resp: 101003

Ion Ratio Lower Upper

264 100

260 23.2 19.4 29.0

265 19.7 18.9 28.3



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

