

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011915\  
 Data File : BF076926.D  
 Acq On : 19 Jan 2015 13:04  
 Operator : IZ / TP  
 Sample : G1101-04  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PO-002

Quant Time: Jan 20 00:25:25 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 19 23:54:01 2015  
 Response via : Initial Calibration

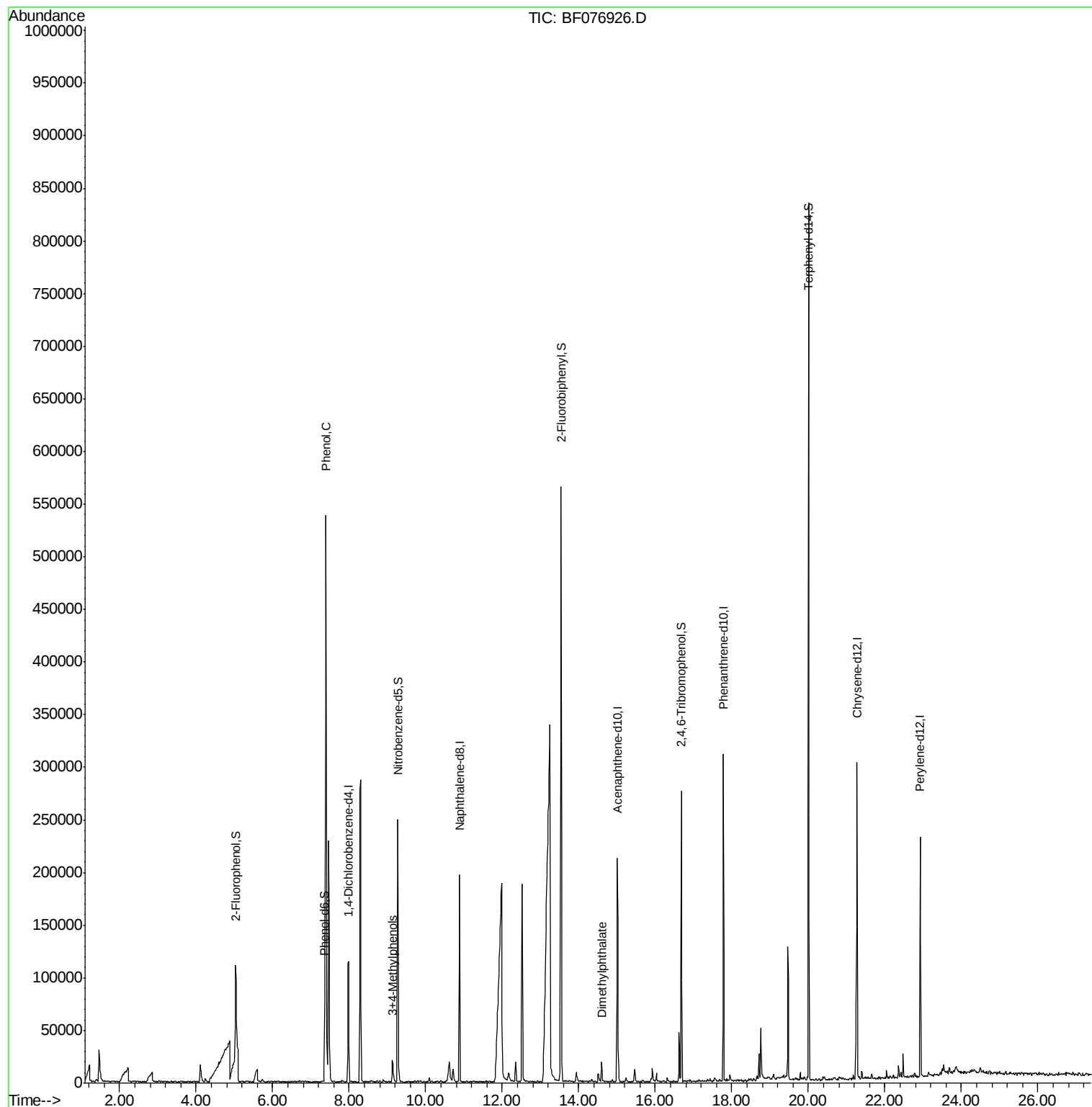
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.98  | 152  | 34183    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.88 | 136  | 150746   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.01 | 164  | 81265    | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.77 | 188  | 134423   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 21.27 | 240  | 117539   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 22.92 | 264  | 105708   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.03  | 112  | 48347    | 23.25 | ng    | 0.00     |
| 7) Phenol-d6                | 7.36  | 99   | 37308    | 14.22 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 137848   | 50.66 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.68 | 330  | 34077    | 51.66 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 282023   | 52.81 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.00 | 244  | 286244   | 56.07 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 7.40  | 94   | 276763   | 99.38 | ng    | 94       |
| 20) 3+4-Methylphenols       | 9.13  | 107  | 11601    | 4.47  | ng    | 90       |
| 49) Dimethylphthalate       | 14.60 | 163  | 14031    | 2.43  | ng    | # 90     |

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

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Quant Time: Jan 20 00:25:25 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



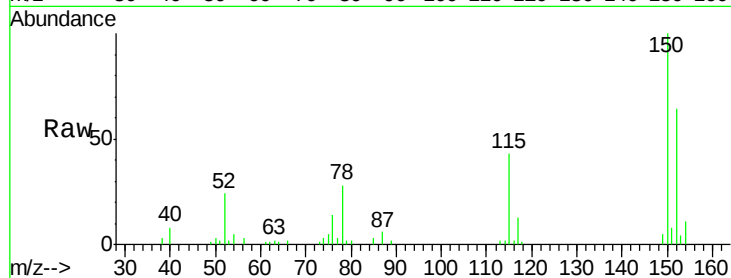


#1

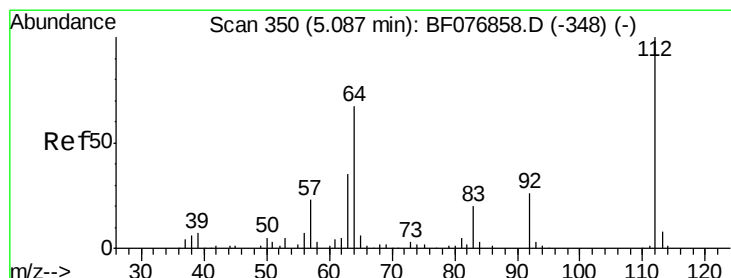
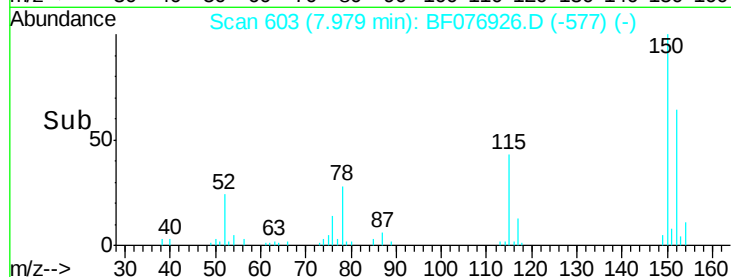
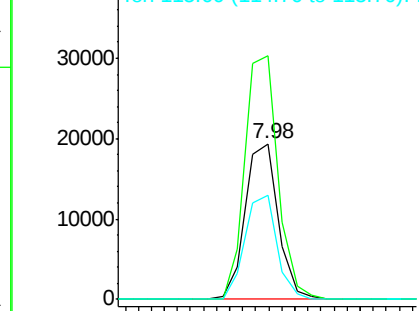
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.98 min Scan# 603  
Delta R.T. -0.00 min  
Lab File: BF076926.D  
Acq: 19 Jan 2015 13:04

Instrument :  
BNA\_F  
ClientSampleId :  
PO-002

Tot Ion:152 Resp: 34183  
Ion Ratio Lower Upper  
152 100  
150 156.8 121.7 182.5  
115 67.2 47.0 70.6



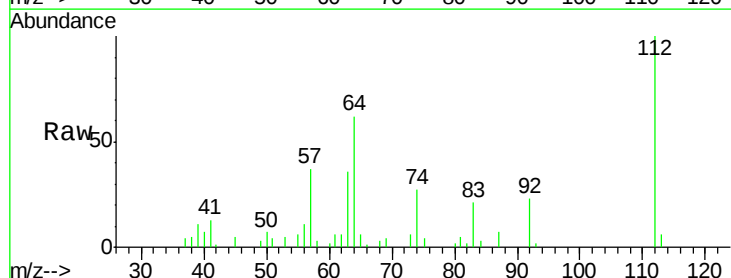
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



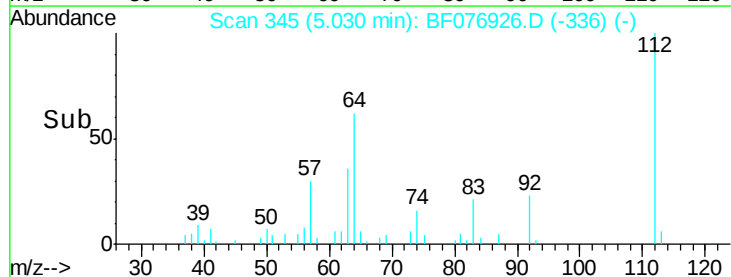
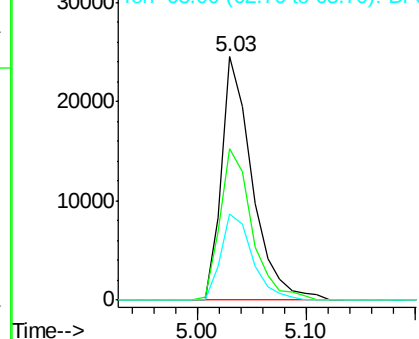
#5

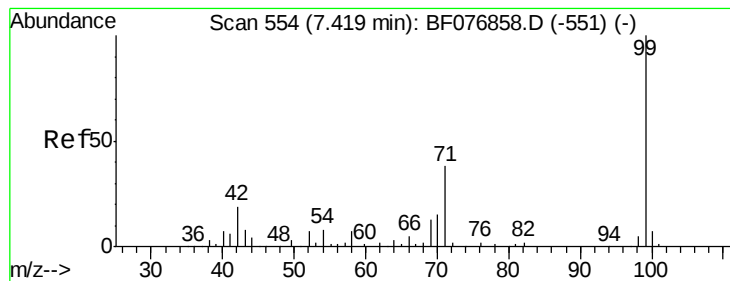
2-Fluorophenol  
Concen: 23.25 ng  
RT: 5.03 min Scan# 345  
Delta R.T. -0.00 min  
Lab File: BF076926.D  
Acq: 19 Jan 2015 13:04

Tgt Ion:112 Resp: 48347  
Ion Ratio Lower Upper  
112 100  
64 62.3 54.2 81.4  
63 35.6 28.4 42.6



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: 14.22 ng

RT: 7.36 min Scan# 549

Delta R.T. -0.01 min

Lab File: BF076926.D

Acq: 19 Jan 2015 13:04

Instrument :

BNA\_F

ClientSampleId :

PO-002

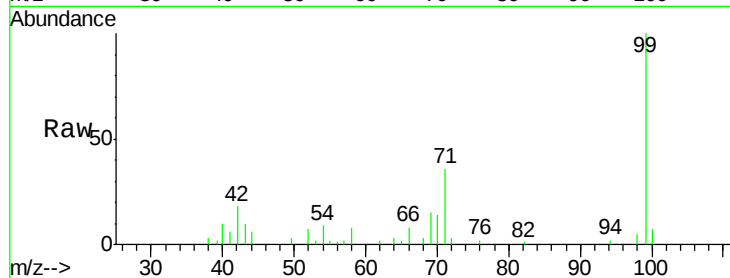
Tot Ion: 99 Resp: 37308

Ion Ratio Lower Upper

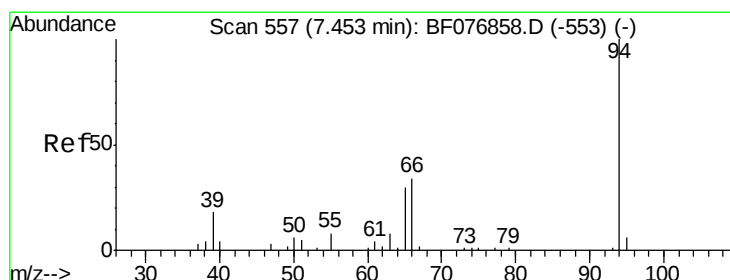
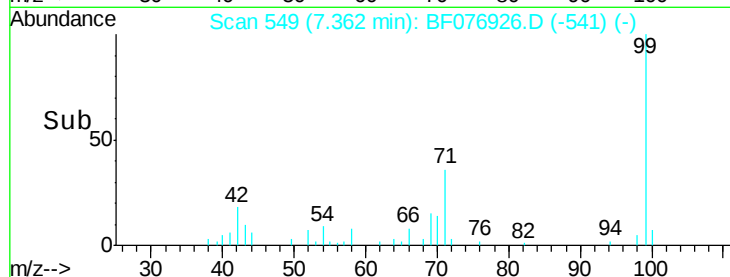
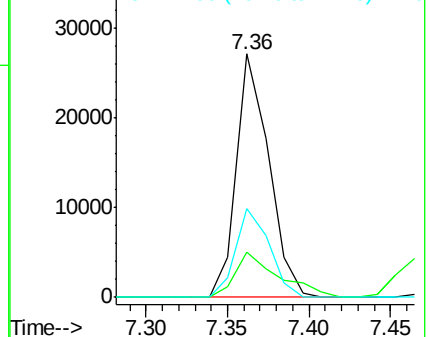
99 100

42 18.5 15.0 22.4

71 36.3 30.5 45.7



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: 99.38 ng

RT: 7.40 min Scan# 552

Delta R.T. -0.00 min

Lab File: BF076926.D

Acq: 19 Jan 2015 13:04

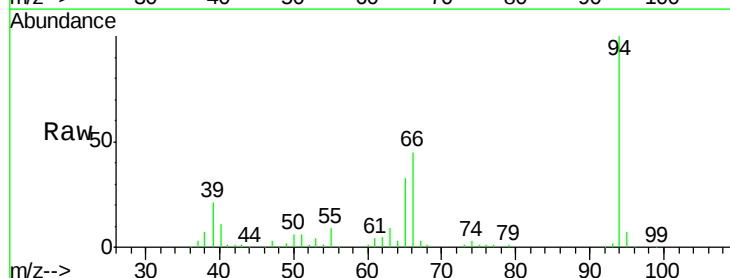
Tgt Ion: 94 Resp: 276763

Ion Ratio Lower Upper

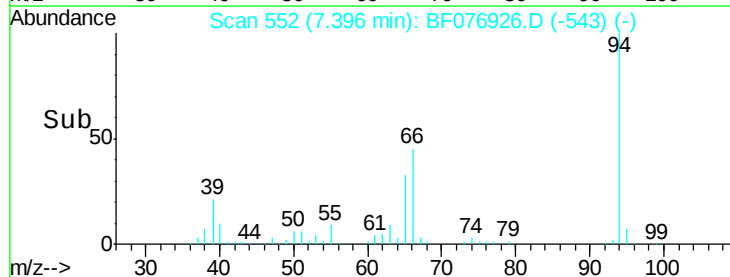
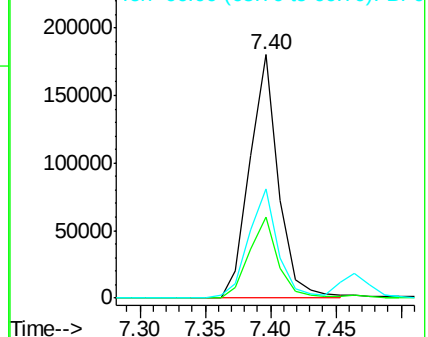
94 100

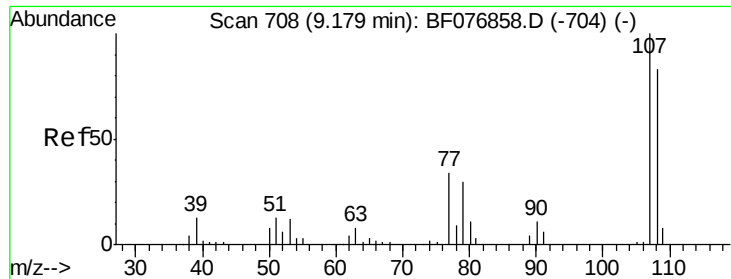
65 33.1 11.3 51.3

66 45.1 19.5 59.5



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

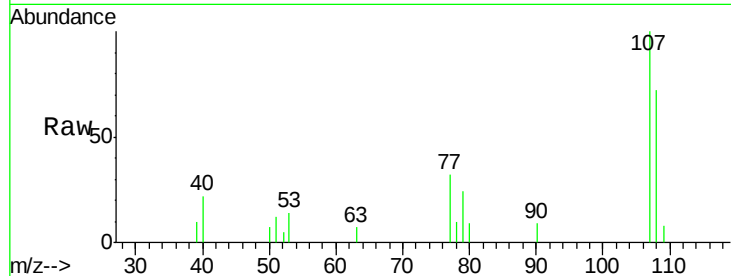




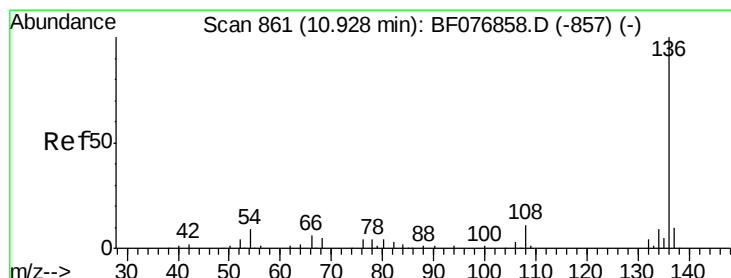
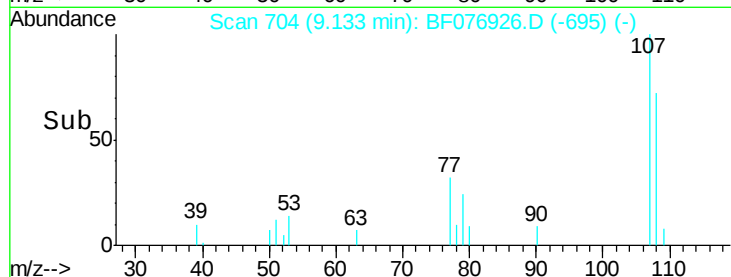
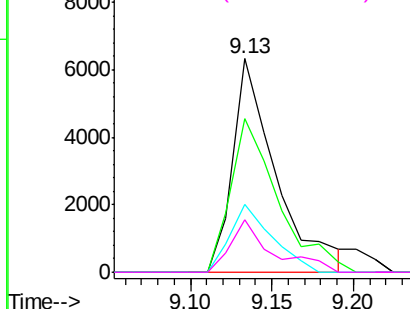
#20  
3+4-Methylphenols  
Concen: 4.47 ng  
RT: 9.13 min Scan# 704  
Delta R.T. -0.00 min  
Lab File: BF076926.D  
Acq: 19 Jan 2015 13:04

Instrument :  
BNA\_F  
ClientSampleId :  
PO-002

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 107   | Resp: | 11601 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 71.9  | 63.5  | 103.5 |
| 77       | 32.0  | 14.0  | 54.0  |
| 79       | 24.4  | 9.9   | 49.9  |

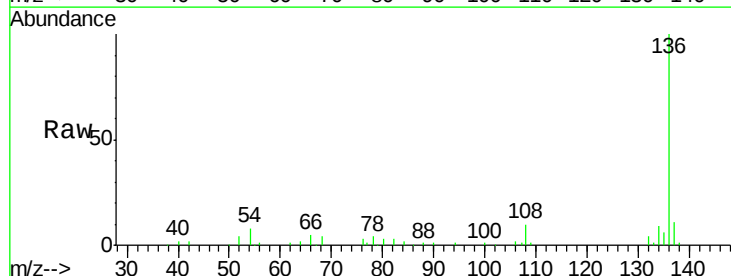


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

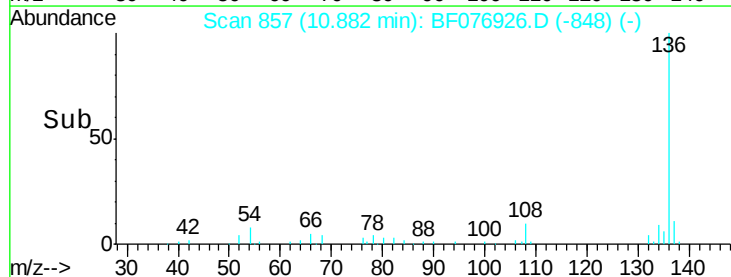
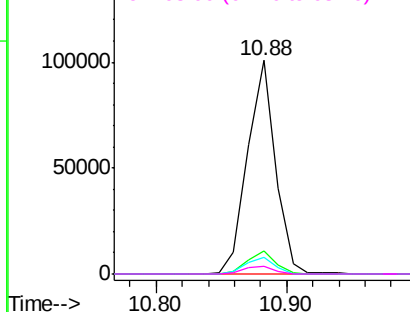


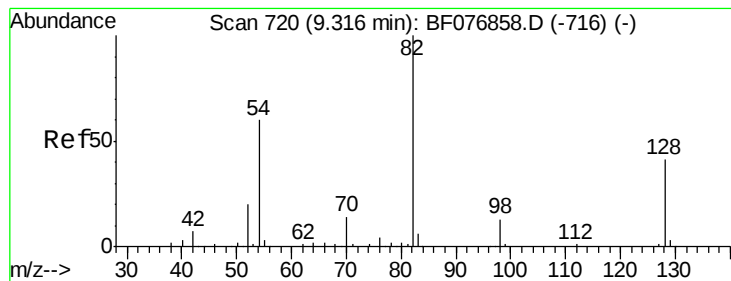
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.88 min Scan# 857  
Delta R.T. -0.00 min  
Lab File: BF076926.D  
Acq: 19 Jan 2015 13:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 150746 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.1   | 12.1   |
| 54       | 7.6   | 7.0   | 10.4   |
| 68       | 3.7   | 3.7   | 5.5#   |



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: 50.66 ng

RT: 9.27 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF076926.D

Acq: 19 Jan 2015 13:04

Instrument :

BNA\_F

ClientSampleId :

PO-002

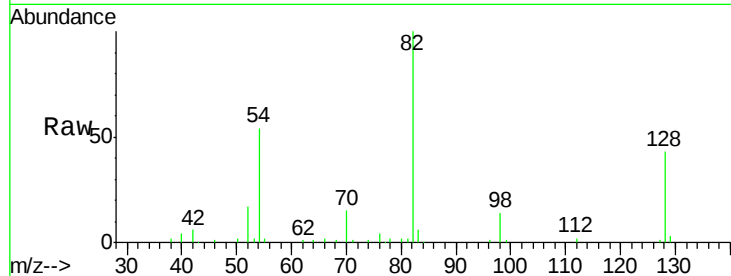
Tot Ion: 82 Resp: 137848

Ion Ratio Lower Upper

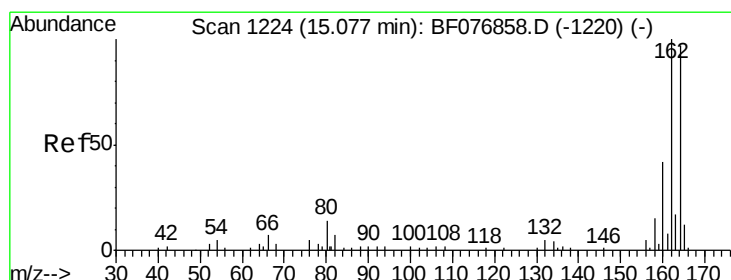
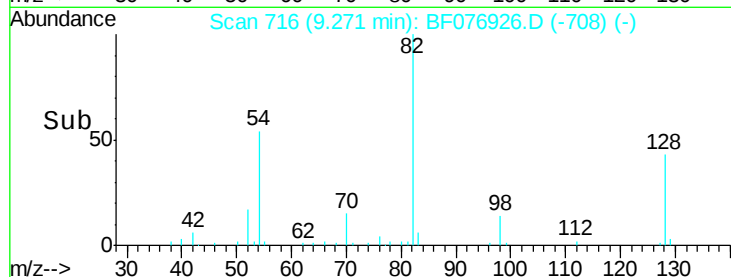
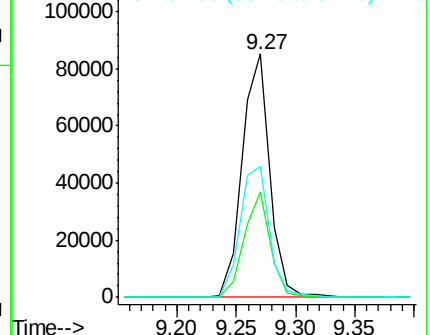
82 100

128 43.4 33.1 49.7

54 53.9 48.3 72.5



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: 15.01 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF076926.D

Acq: 19 Jan 2015 13:04

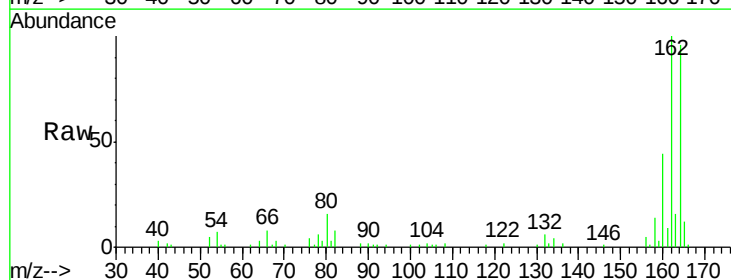
Tgt Ion:164 Resp: 81265

Ion Ratio Lower Upper

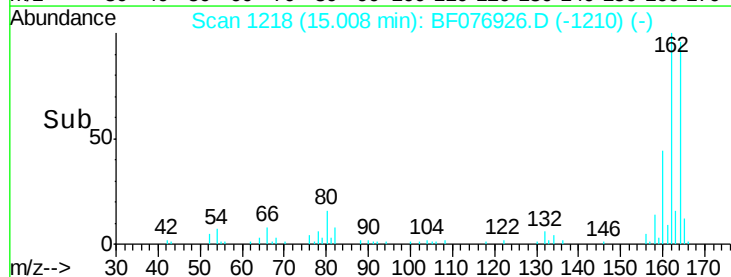
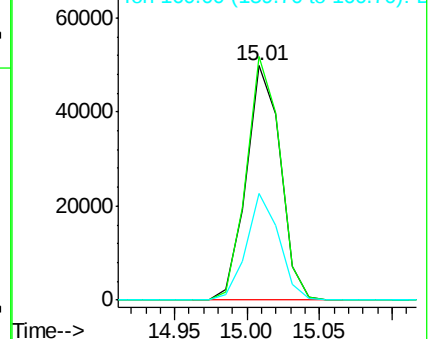
164 100

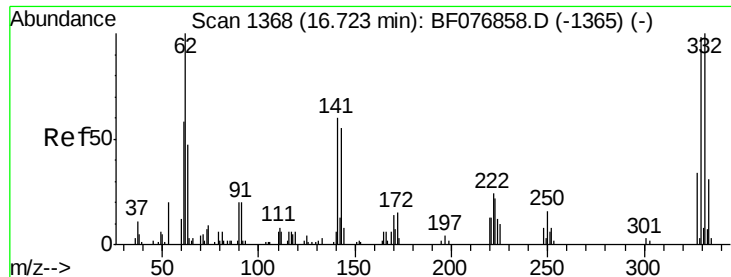
162 104.0 82.4 123.6

160 45.5 34.8 52.2



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: 51.66 ng

RT: 16.68 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BF076926.D

Acq: 19 Jan 2015 13:04

Instrument :

BNA\_F

ClientSampleId :

PO-002

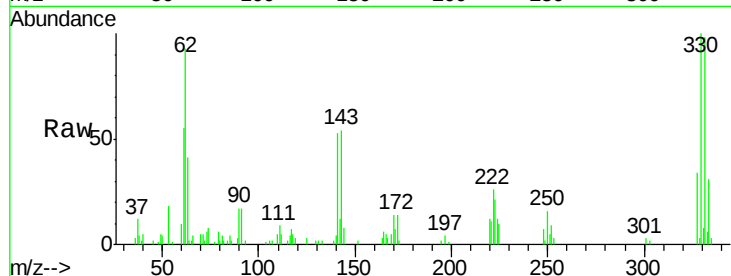
Tot Ion:330 Resp: 34077

Ion Ratio Lower Upper

330 100

332 99.1 77.8 116.6

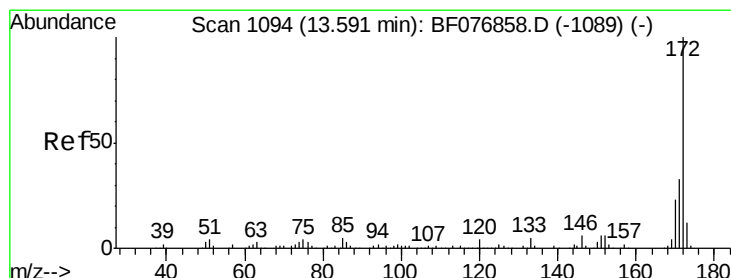
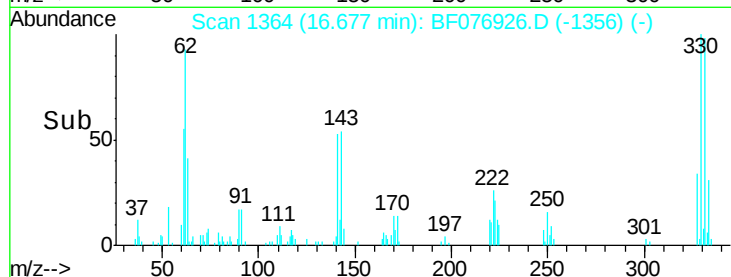
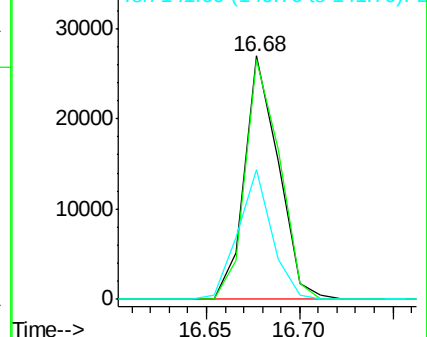
141 53.1 38.5 57.7



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: 52.81 ng

RT: 13.53 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BF076926.D

Acq: 19 Jan 2015 13:04

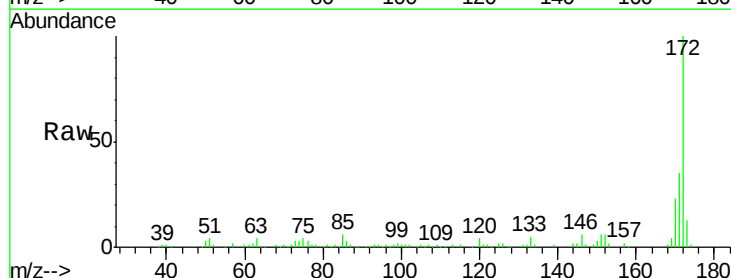
Tgt Ion:172 Resp: 282023

Ion Ratio Lower Upper

172 100

171 35.5 26.6 40.0

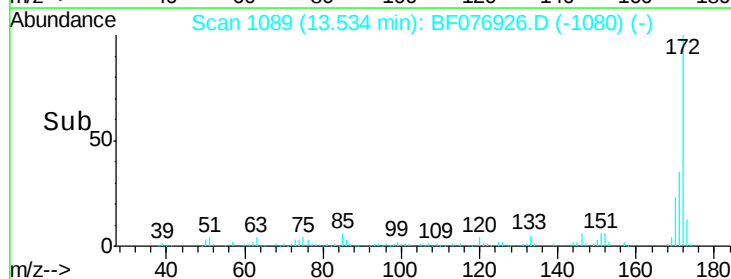
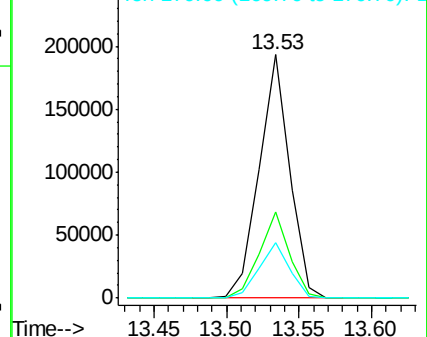
170 22.6 18.0 27.0

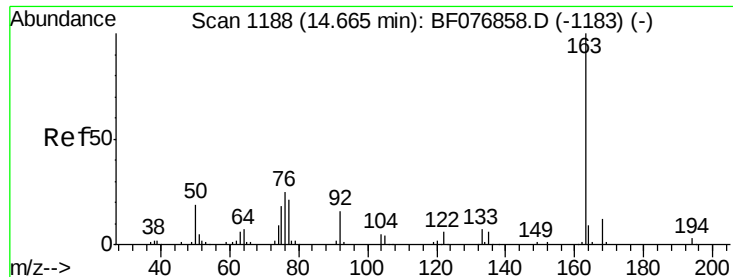


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.43 ng

RT: 14.60 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF076926.D

Acq: 19 Jan 2015 13:04

Instrument :

BNA\_F

ClientSampleId :

PO-002

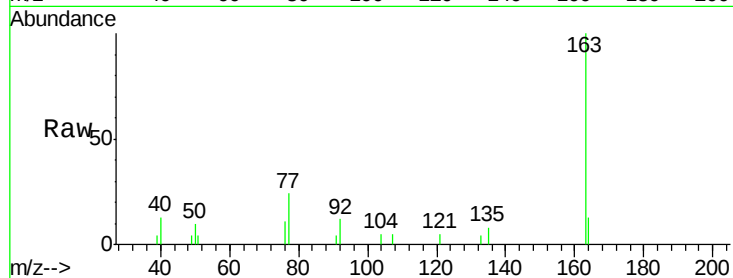
Tot Ion:163 Resp: 14031

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

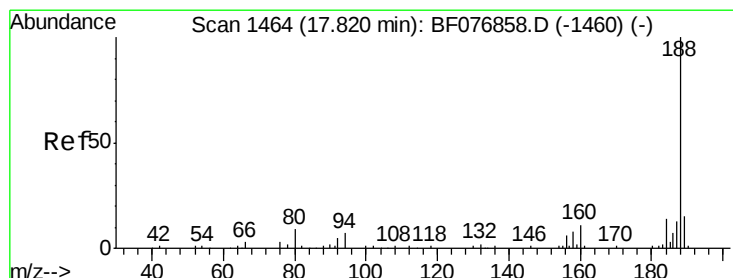
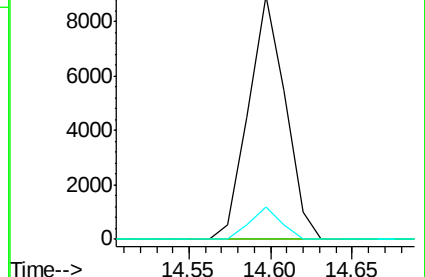
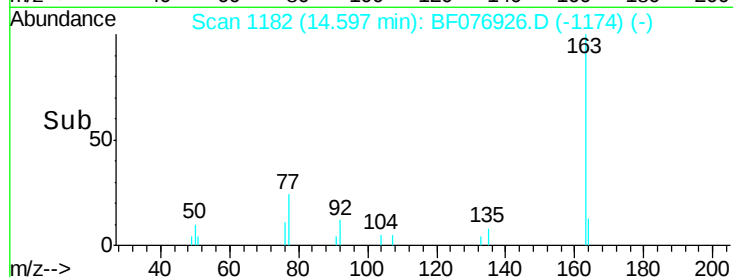
164 13.1 7.5 11.3#



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: 17.77 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF076926.D

Acq: 19 Jan 2015 13:04

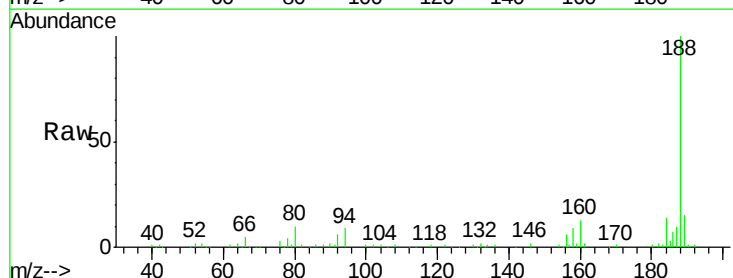
Tgt Ion:188 Resp: 134423

Ion Ratio Lower Upper

188 100

94 8.9 6.0 9.0

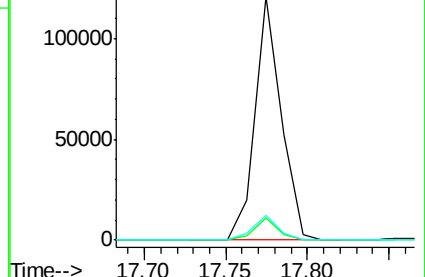
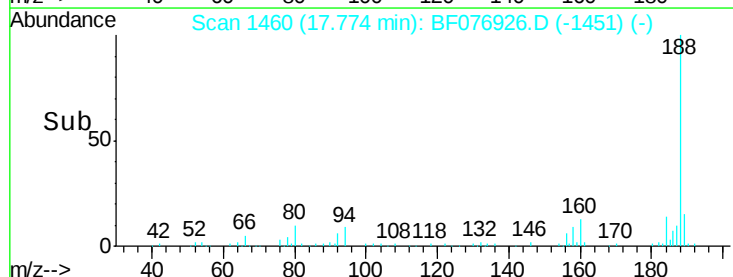
80 10.2 6.9 10.3

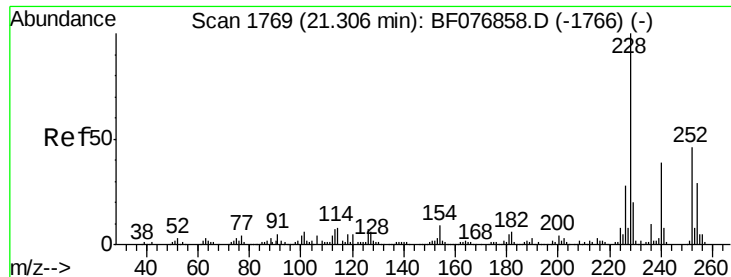


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.27 min Scan# 1766

Delta R.T. -0.00 min

Lab File: BF076926.D

Acq: 19 Jan 2015 13:04

Instrument :

BNA\_F

ClientSampleID :

PO-002

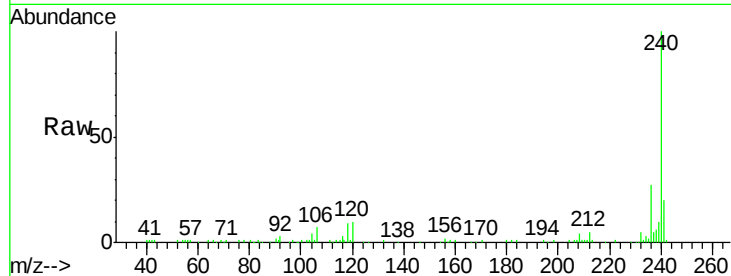
Tot Ion:240 Resp: 117539

Ion Ratio Lower Upper

240 100

120 10.4 10.4 15.6

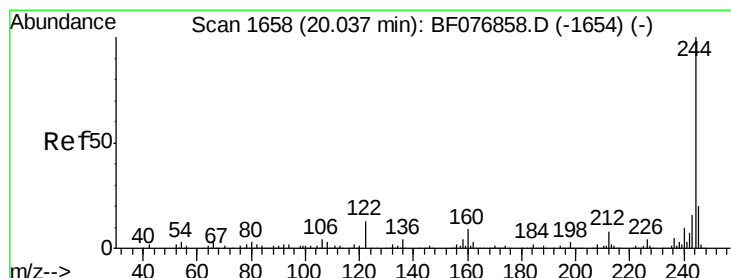
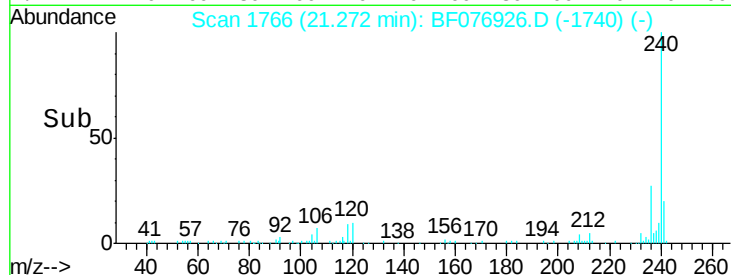
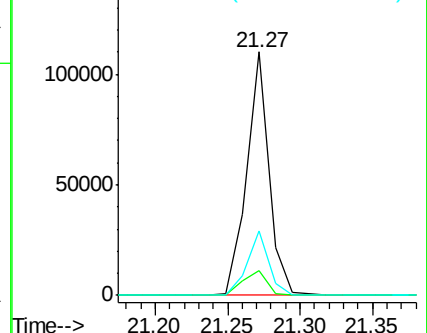
236 26.5 20.2 30.2



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: 56.07 ng

RT: 20.00 min Scan# 1655

Delta R.T. -0.00 min

Lab File: BF076926.D

Acq: 19 Jan 2015 13:04

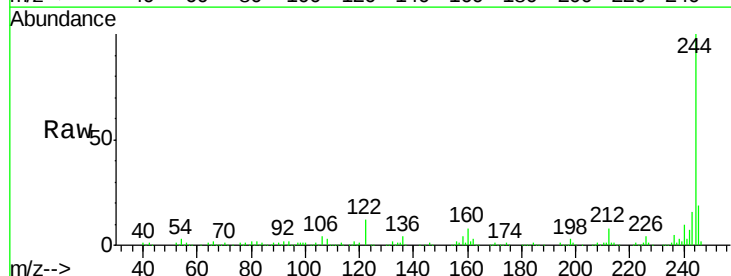
Tgt Ion:244 Resp: 286244

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

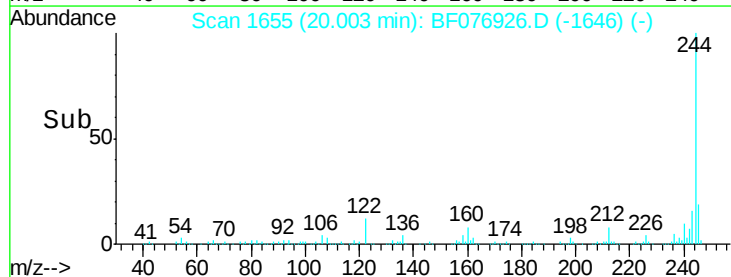
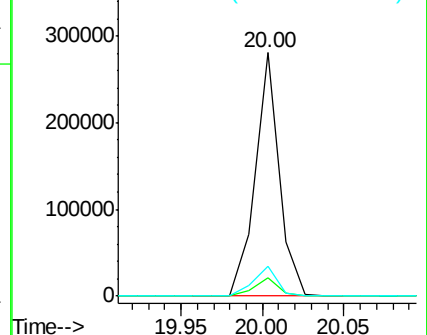
122 12.2 10.1 15.1

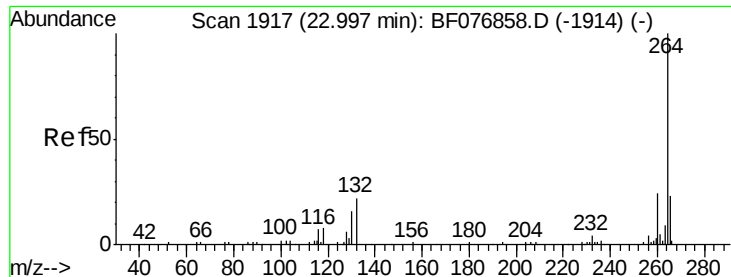


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

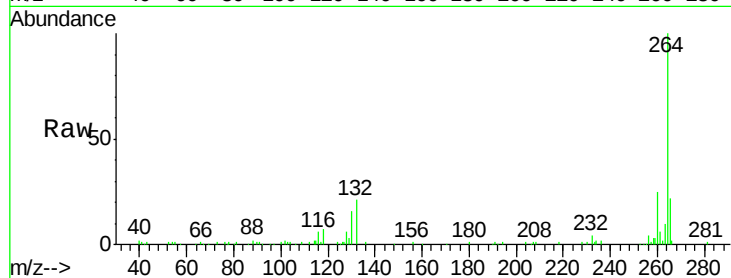




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 22.92 min Scan# 1910  
Delta R.T. -0.02 min  
Lab File: BF076926.D  
Acq: 19 Jan 2015 13:04

Instrument :  
BNA\_F  
ClientSampleId :  
PO-002

Tot Ion:264 Resp: 105708  
Ion Ratio Lower Upper  
264 100  
260 25.0 19.0 28.4  
265 21.6 18.1 27.1



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

