

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\  
 Data File : BF083744.D  
 Acq On : 13 Dec 2015 22:12  
 Operator : UM/IZ  
 Sample : G4743-01  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NORTHWALL-8

Quant Time: Dec 14 03:28:13 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

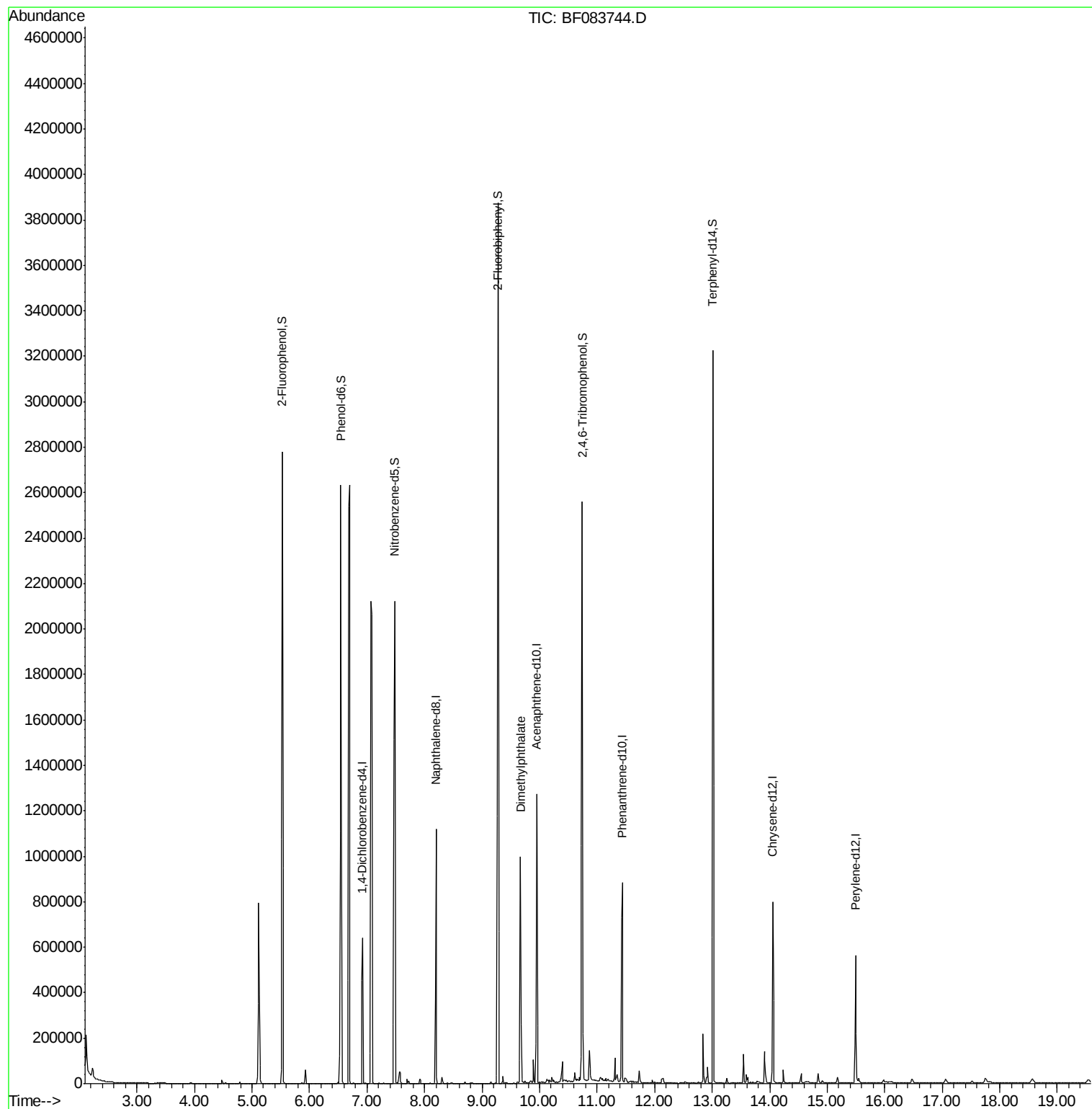
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 129510   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.20  | 136  | 525320   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.95  | 164  | 241319   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.44 | 188  | 442888   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.05 | 240  | 302223   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.49 | 264  | 250061   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 1024152  | 127.57 | ng    | 0.00     |
| 7) Phenol-d6                | 6.54  | 99   | 1296802  | 127.56 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 928677   | 98.90  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.74 | 330  | 329491   | 133.99 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.28  | 172  | 1319259  | 78.17  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.01 | 244  | 1183134  | 84.21  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.66  | 163  | 421763   | 22.42  | ng    | 99       |

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

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QLast Update : Mon Dec 14 01:30:12 2015  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF083744.D

Acq: 13 Dec 2015 22:12

Instrument :

BNA\_F

ClientSampleId :

NORTHWALL-8

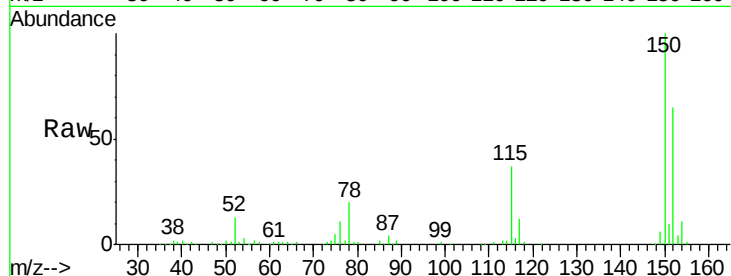
Tot Ion:152 Resp: 129510

Ion Ratio Lower Upper

152 100

150 153.1 126.5 189.7

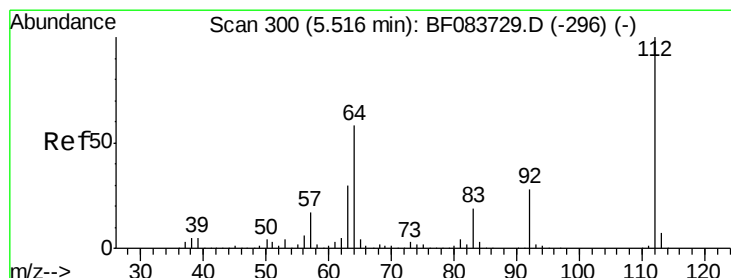
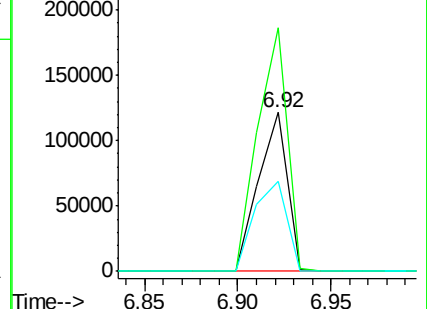
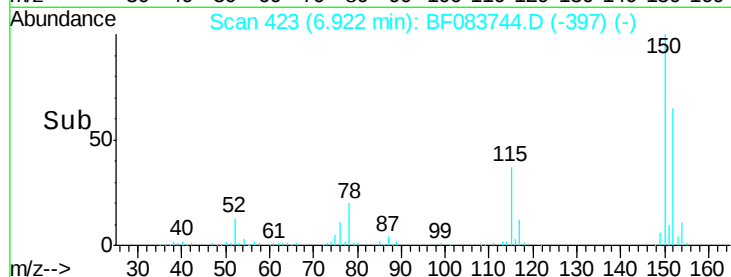
115 56.2 52.3 78.5



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: 127.57 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083744.D

Acq: 13 Dec 2015 22:12

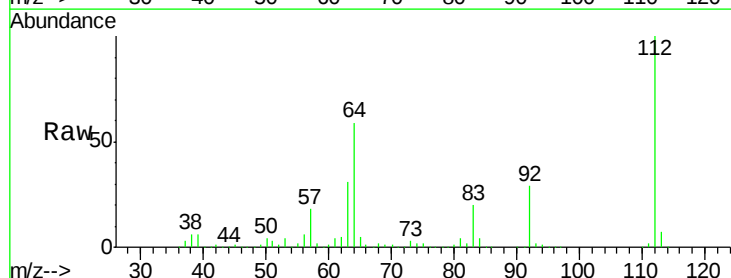
Tgt Ion:112 Resp: 1024152

Ion Ratio Lower Upper

112 100

64 59.5 50.5 75.7

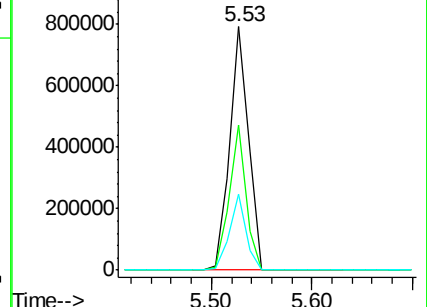
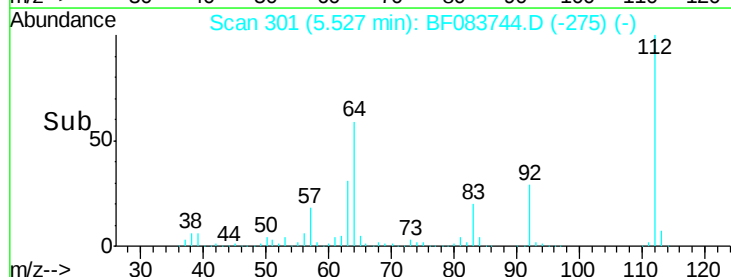
63 31.1 25.8 38.6

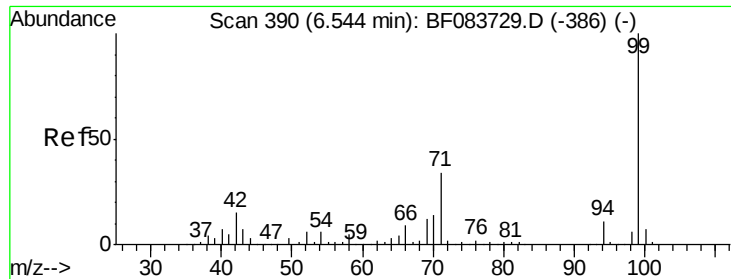


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 127.56 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083744.D

Acq: 13 Dec 2015 22:12

Instrument :

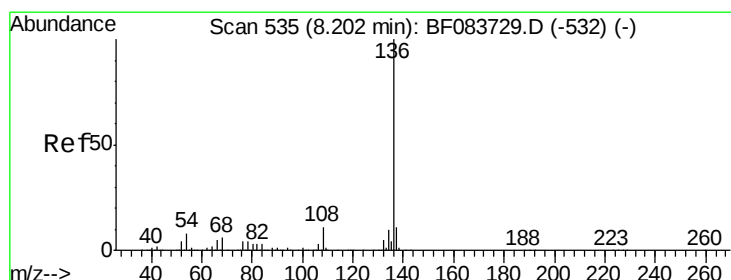
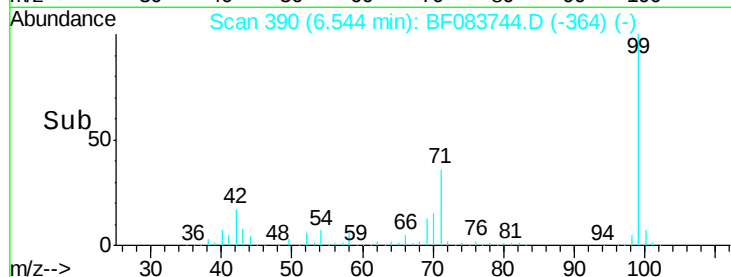
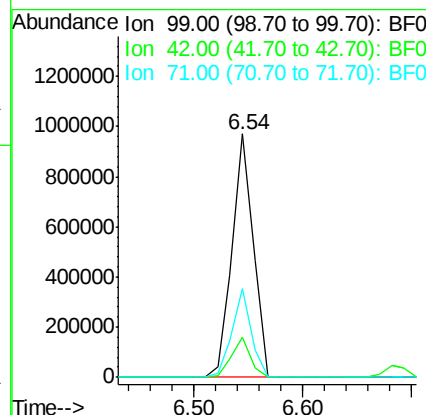
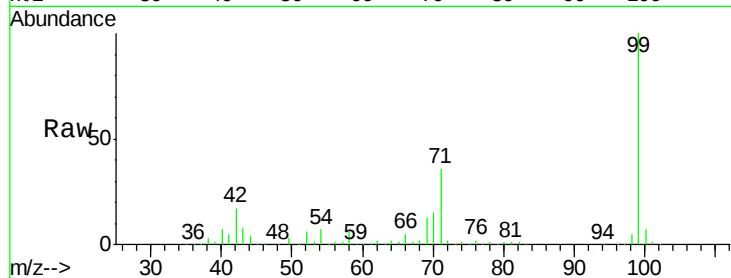
BNA\_F

ClientSampleId :

NORTHWALL-8

Tot Ion: 99 Resp: 1296802

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.5  | 17.3  | 25.9# |
| 71  | 36.3  | 26.6  | 40.0  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 535

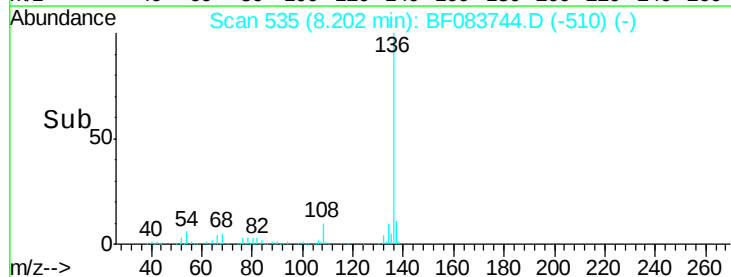
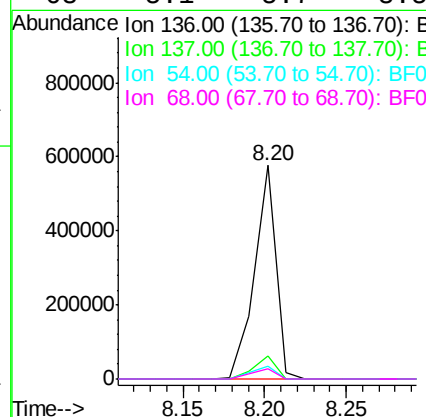
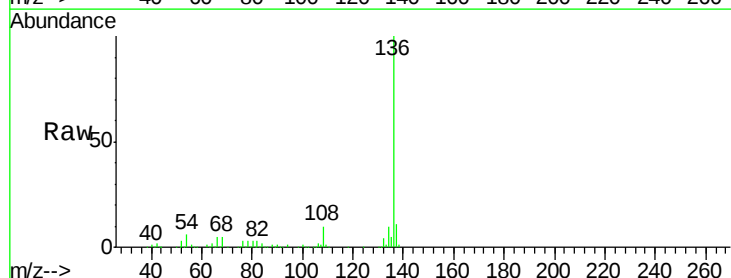
Delta R.T. -0.01 min

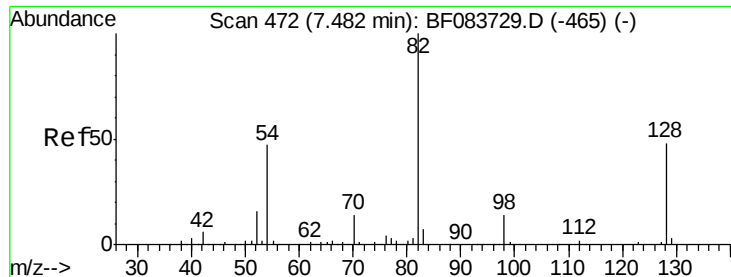
Lab File: BF083744.D

Acq: 13 Dec 2015 22:12

Tgt Ion: 136 Resp: 525320

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.7   | 13.1  |
| 54  | 6.2   | 7.8   | 11.6# |
| 68  | 5.1   | 5.7   | 8.5#  |





#23

Nitrobenzene-d5

Concen: 98.90 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF083744.D

Acq: 13 Dec 2015 22:12

Instrument :

BNA\_F

ClientSampleId :

NORTHWALL-8

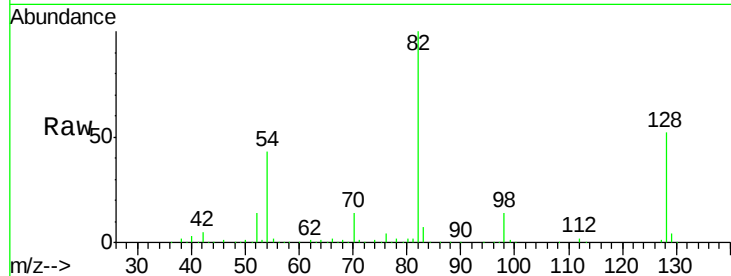
Tot Ion: 82 Resp: 928677

Ion Ratio Lower Upper

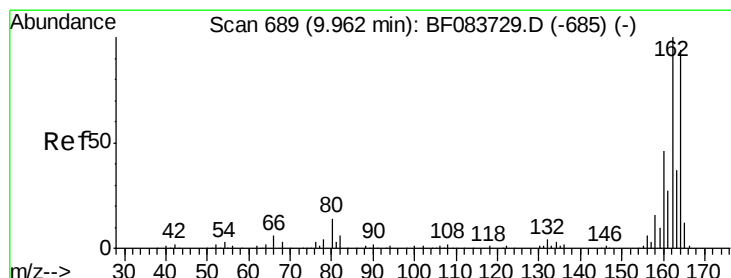
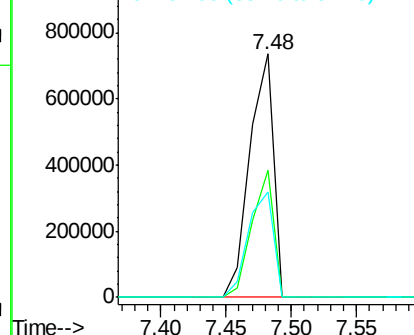
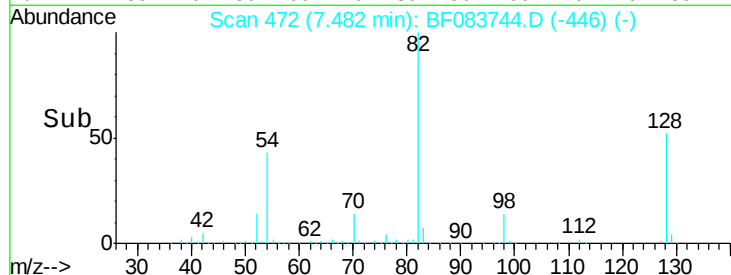
82 100

128 52.1 30.7 46.1#

54 43.1 42.5 63.7



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF083744.D

Acq: 13 Dec 2015 22:12

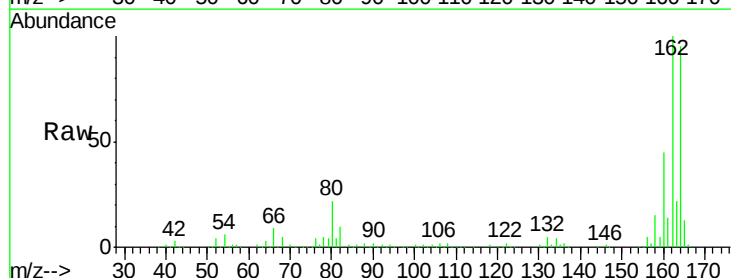
Tgt Ion:164 Resp: 241319

Ion Ratio Lower Upper

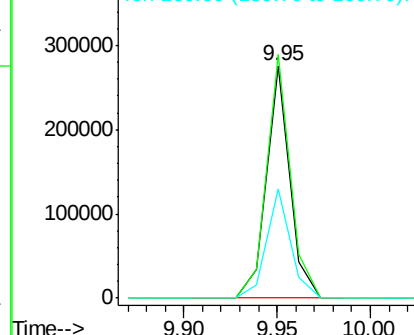
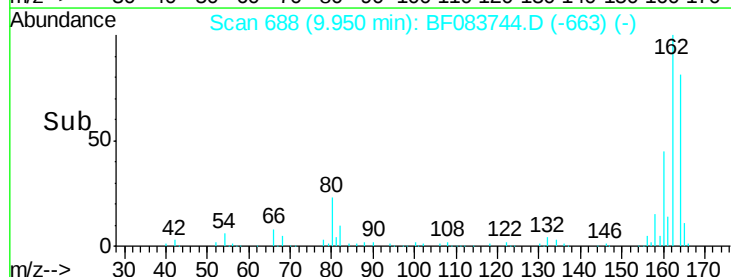
164 100

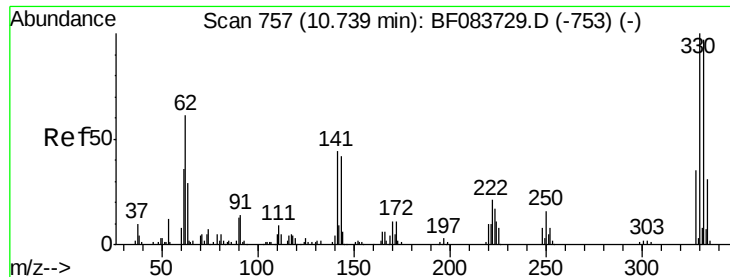
162 104.8 78.8 118.2

160 46.9 33.4 50.2



Abundance Ion 164.00 (163.70 to 164.70): B  
Ion 162.00 (161.70 to 162.70): B  
Ion 160.00 (159.70 to 160.70): B

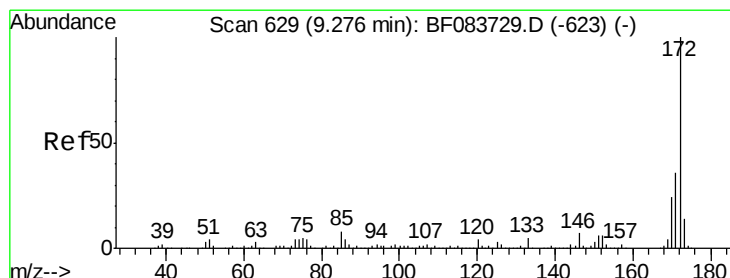
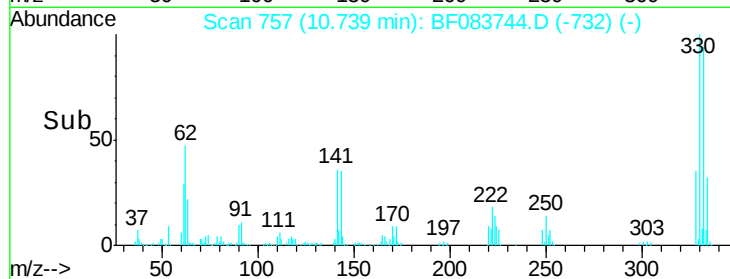
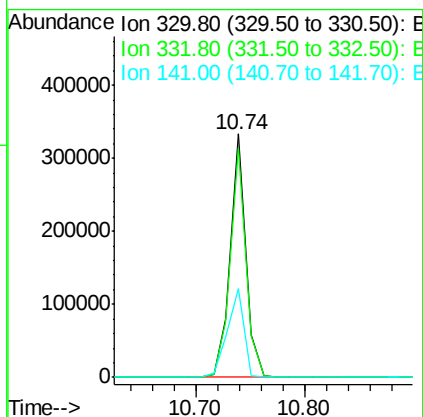
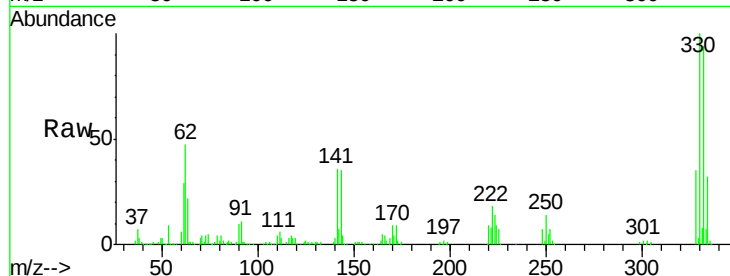




#41  
 2,4,6-Tribromophenol  
 Concen: 133.99 ng  
 RT: 10.74 min Scan# 757  
 Delta R.T. -0.01 min  
 Lab File: BF083744.D  
 Acq: 13 Dec 2015 22:12

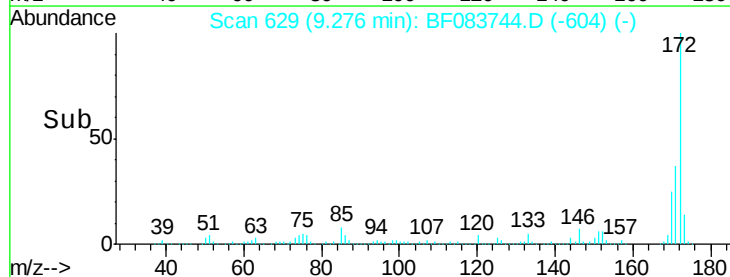
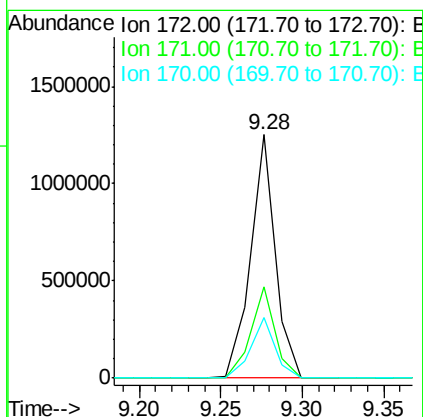
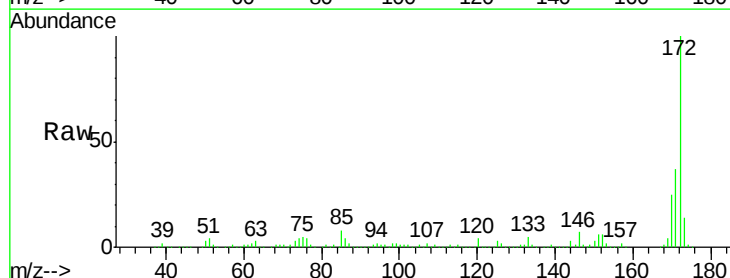
Instrument :  
 BNA\_F  
 ClientSampleId :  
 NORTHWALL-8

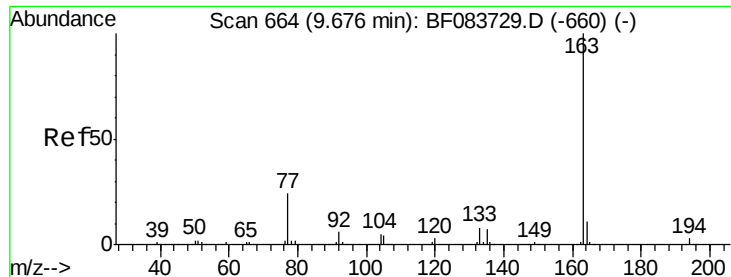
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.0  | 0.0   | 0.0#  |
| 141     | 38.7  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: 78.17 ng  
 RT: 9.28 min Scan# 629  
 Delta R.T. -0.01 min  
 Lab File: BF083744.D  
 Acq: 13 Dec 2015 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.5  | 28.6  | 42.8  |
| 170     | 24.8  | 19.4  | 29.0  |





#49

Dimethylphthalate

Concen: 22.42 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.02 min

Lab File: BF083744.D

Acq: 13 Dec 2015 22:12

Instrument :

BNA\_F

ClientSampleId :

NORTHWALL-8

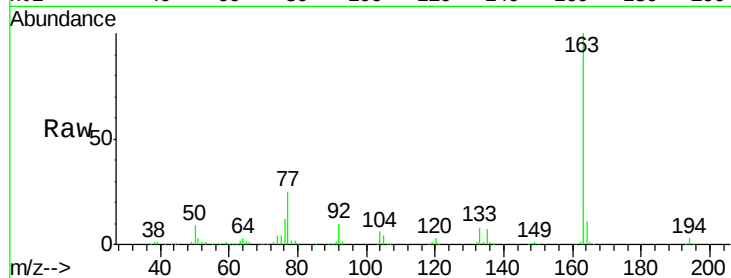
Tot Ion:163 Resp: 421763

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

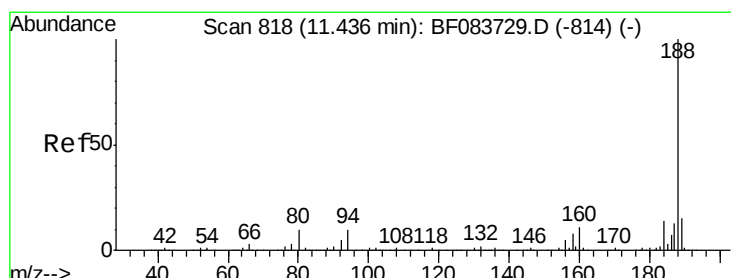
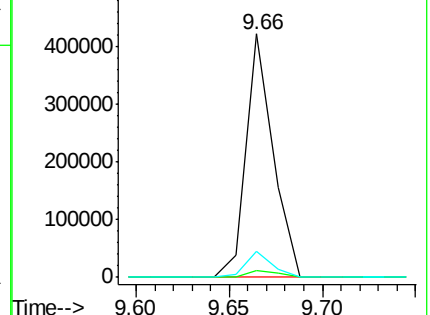
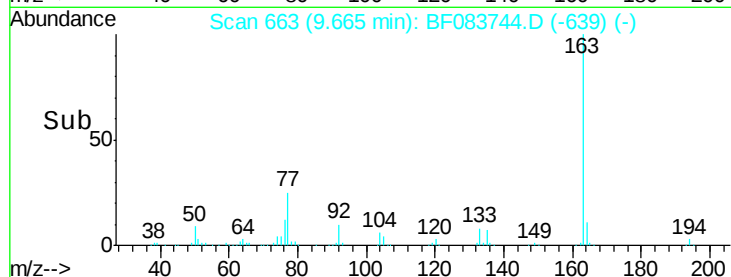
164 10.6 8.6 13.0



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: BF083744.D

Acq: 13 Dec 2015 22:12

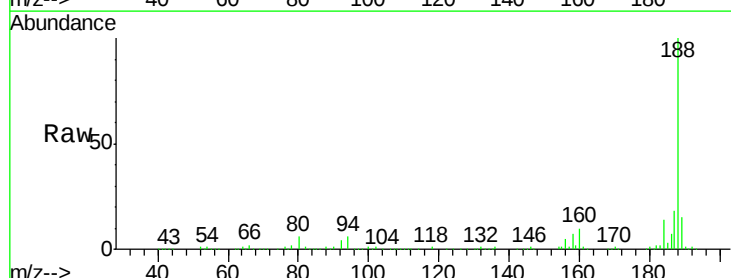
Tgt Ion:188 Resp: 442888

Ion Ratio Lower Upper

188 100

94 6.4 9.4 14.2#

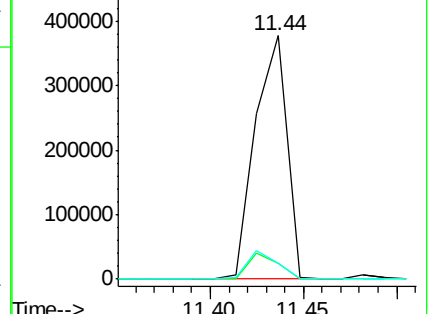
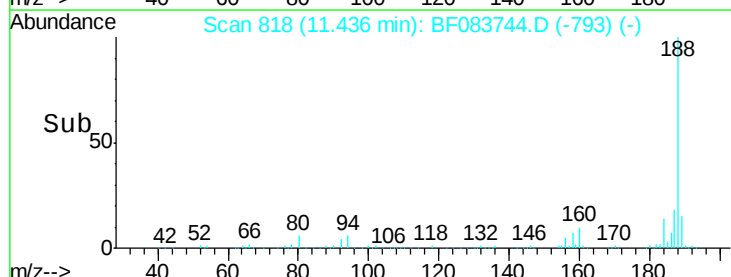
80 6.3 10.6 16.0#

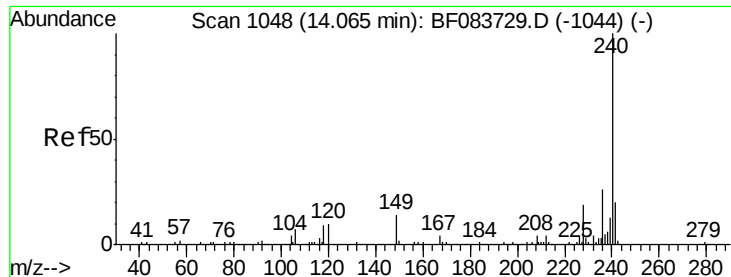


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.05 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF083744.D

Acq: 13 Dec 2015 22:12

Instrument :

BNA\_F

ClientSampleId :

NORTHWALL-8

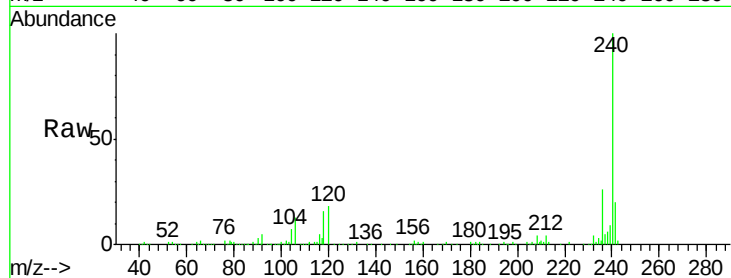
Tot Ion:240 Resp: 302223

Ion Ratio Lower Upper

240 100

120 17.7 8.1 12.1#

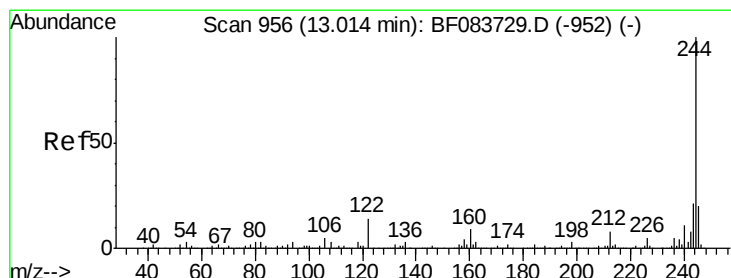
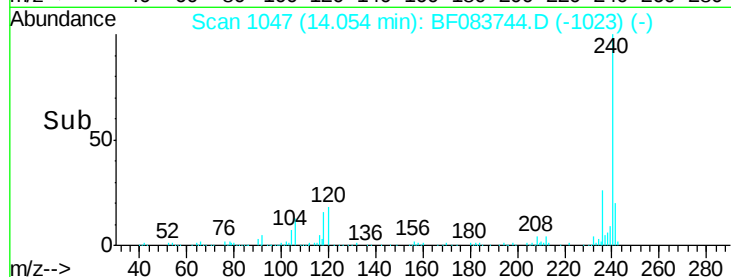
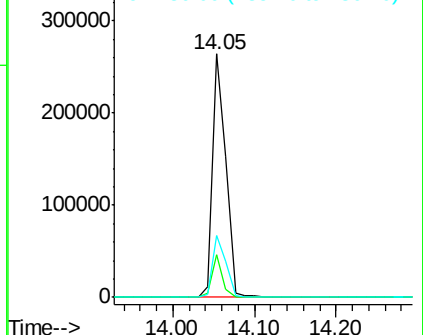
236 25.5 20.8 31.2



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: 84.21 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF083744.D

Acq: 13 Dec 2015 22:12

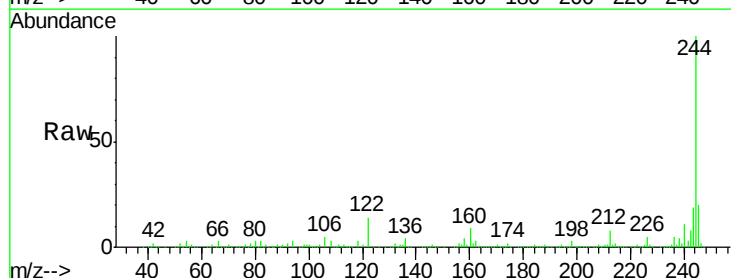
Tgt Ion:244 Resp: 1183134

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

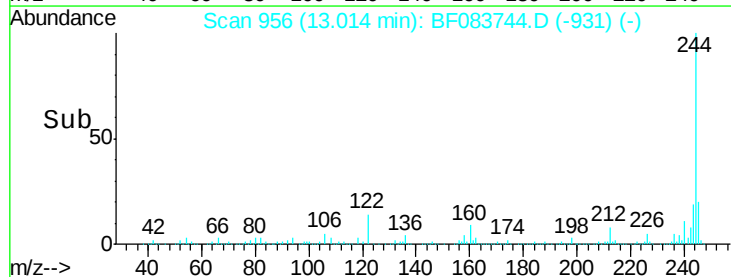
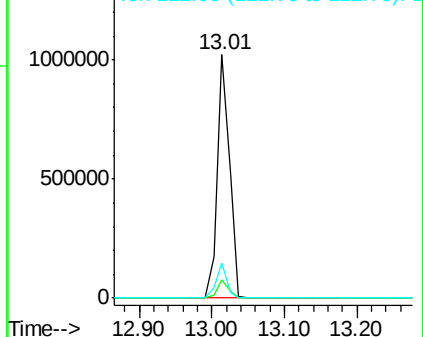
122 14.5 11.0 16.6

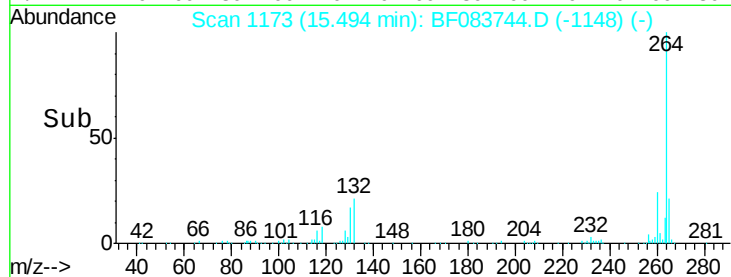
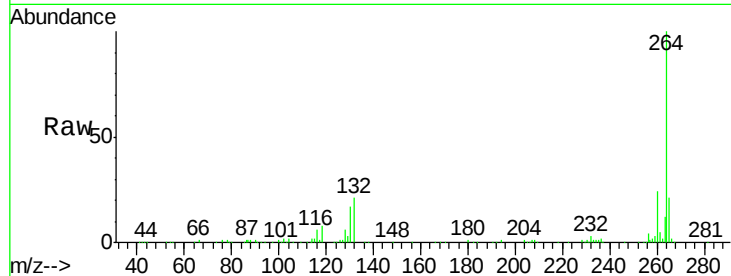
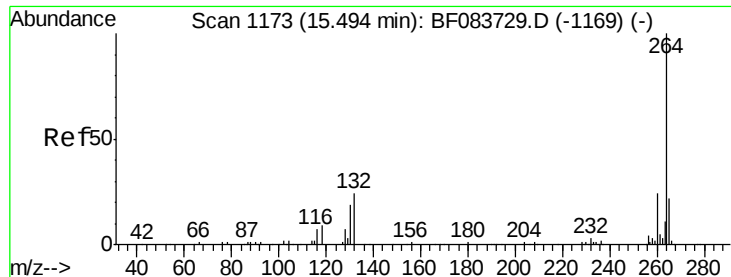


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.49 min Scan# 1173  
Delta R.T. -0.01 min  
Lab File: BF083744.D  
Acq: 13 Dec 2015 22:12

Instrument :  
BNA\_F  
ClientSampleId :  
NORTHWALL-8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.4  | 29.0  |
| 265     | 21.1  | 17.8  | 26.6  |

