

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110415\  
 Data File : BF082685.D  
 Acq On : 4 Nov 2015 5:47  
 Operator : UM/IZ  
 Sample : G4240-12  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-05(8-10)

Quant Time: Nov 04 07:05:26 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 03 12:27:47 2015  
 Response via : Initial Calibration

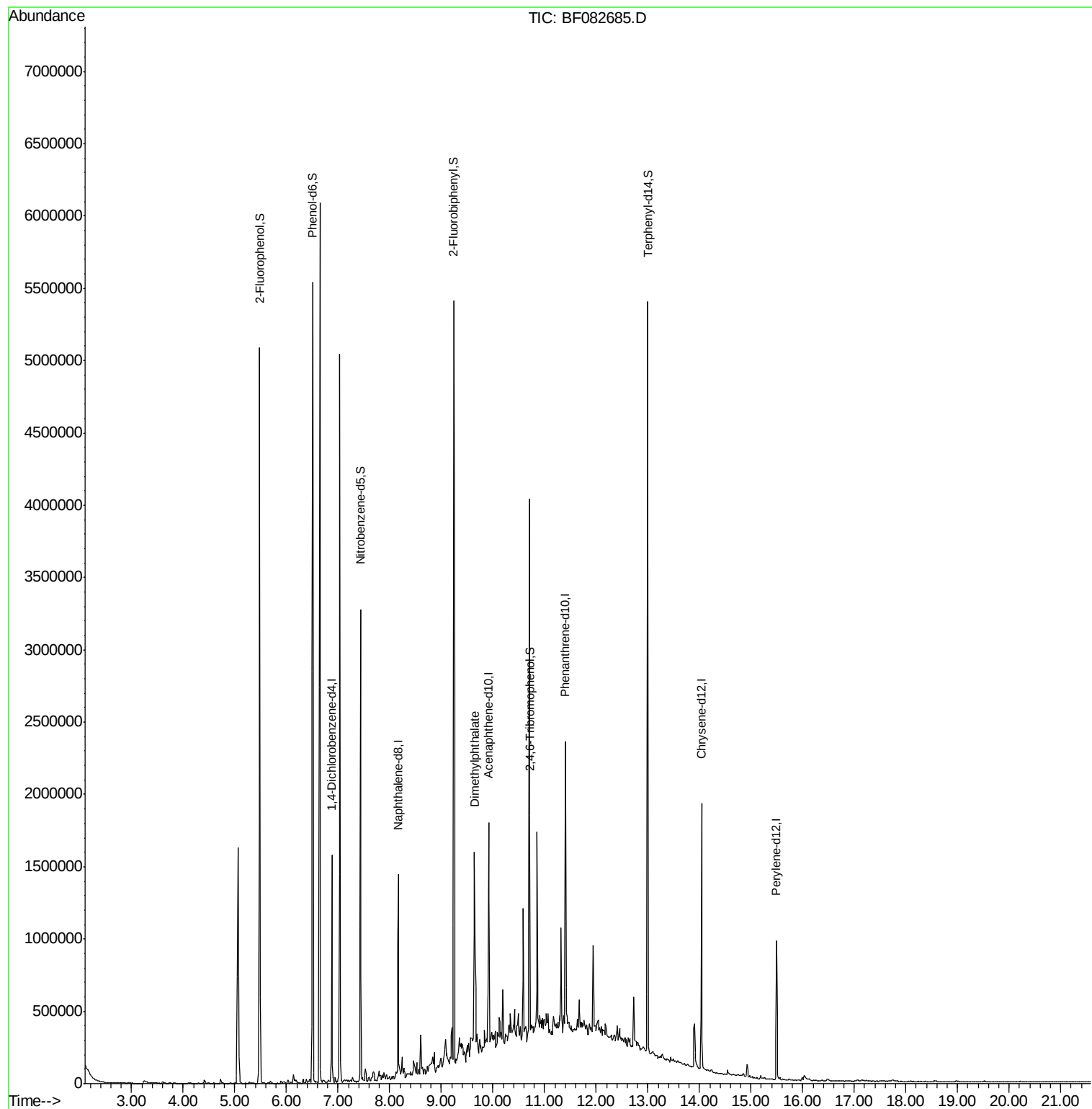
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.88  | 152  | 196072   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.17  | 136  | 731622   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.92  | 164  | 367400   | 20.00  | ng    | -0.01          |
| 63) Phenanthrene-d10        | 11.40 | 188  | 688600   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 14.04 | 240  | 553905   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 15.49 | 264  | 468125   | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.48  | 112  | 1341531  | 103.05 | ng    | 0.01           |
| 7) Phenol-d6                | 6.51  | 99   | 1961938  | 113.44 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.44  | 82   | 1199887  | 66.97  | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330  | 502379   | 124.94 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.24  | 172  | 2001154  | 77.33  | ng    | -0.01          |
| 78) Terphenyl-d14           | 13.00 | 244  | 2172049  | 85.82  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.64  | 163  | 653698   | 21.79  | ng    | Qvalue<br># 97 |

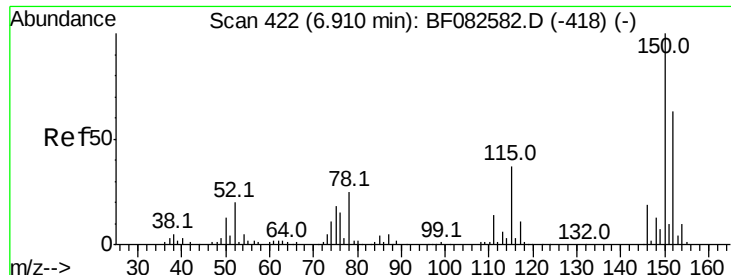
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
ClientSampleId :  
SB-05(8-10)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 03 12:27:47 2015  
Response via : Initial Calibration



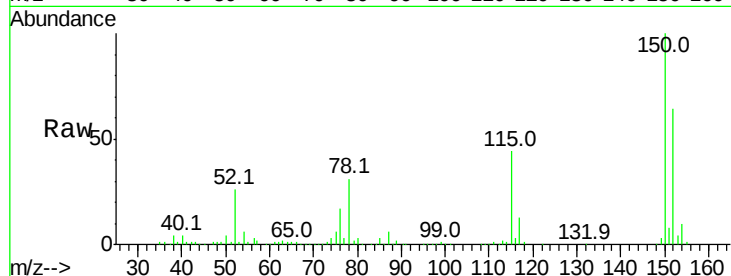


#1

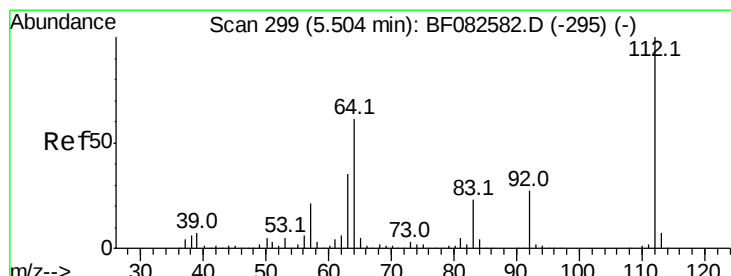
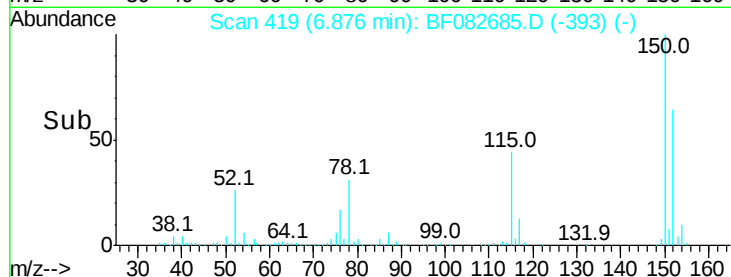
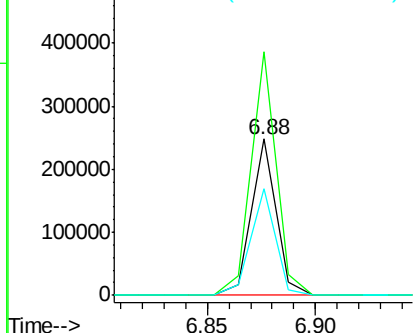
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.88 min Scan# 419  
Delta R.T. 0.00 min  
Lab File: BF082685.D  
Acq: 4 Nov 2015 5:47

Instrument :  
BNA\_F  
ClientSampleId :  
SB-05(8-10)

Tot Ion:152 Resp: 196072  
Ion Ratio Lower Upper  
152 100  
150 156.1 127.0 190.4  
115 68.8 47.0 70.6



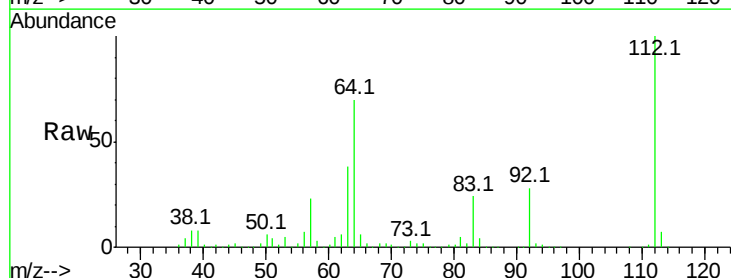
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



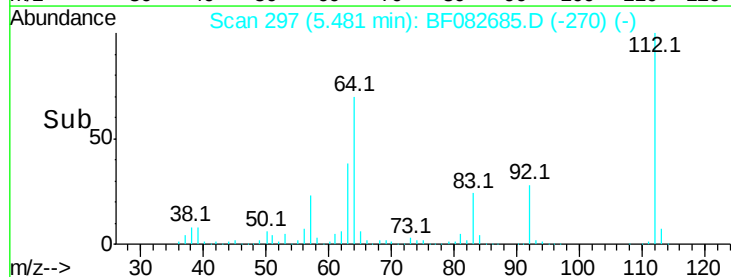
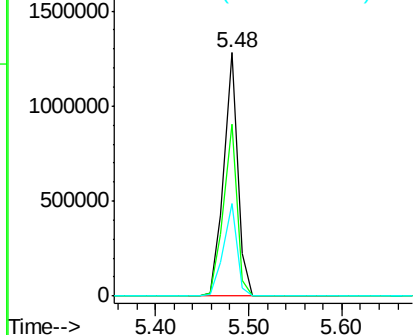
#5

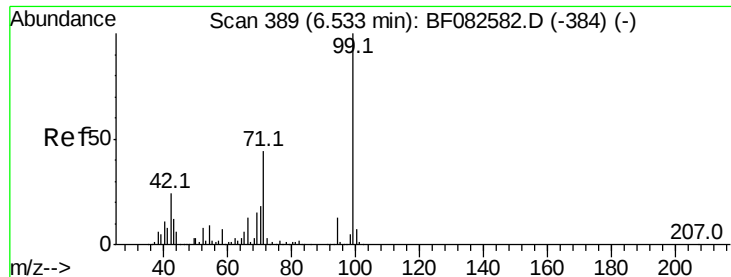
2-Fluorophenol  
Concen: 103.05 ng  
RT: 5.48 min Scan# 297  
Delta R.T. 0.01 min  
Lab File: BF082685.D  
Acq: 4 Nov 2015 5:47

Tgt Ion:112 Resp: 1341531  
Ion Ratio Lower Upper  
112 100  
64 70.4 48.9 73.3  
63 37.9 28.1 42.1



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: 113.44 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF082685.D

Acq: 4 Nov 2015 5:47

Instrument :

BNA\_F

ClientSampleId :

SB-05(8-10)

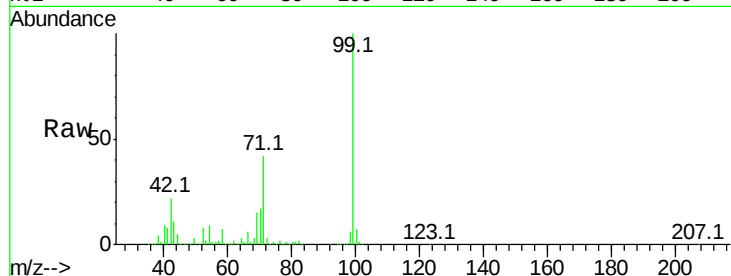
Tot Ion: 99 Resp: 1961938

Ion Ratio Lower Upper

99 100

42 21.8 19.2 28.8

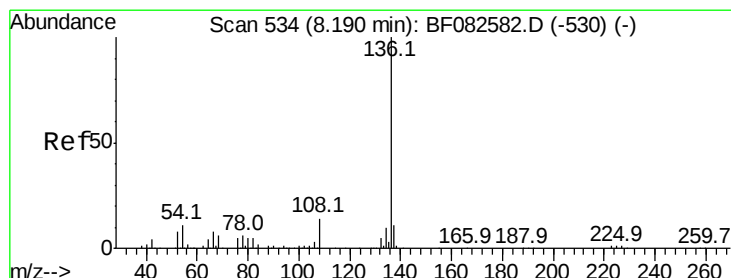
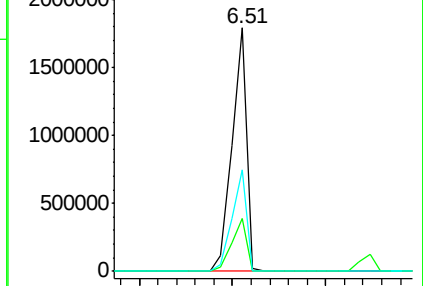
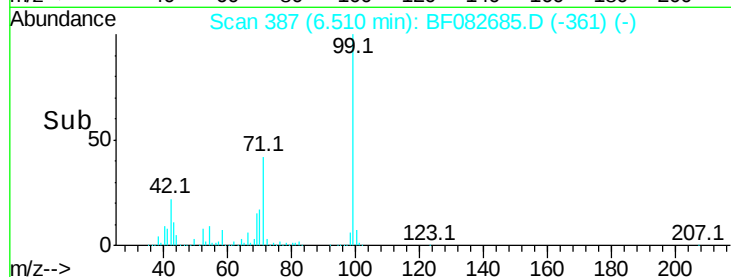
71 41.8 35.0 52.4



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# 532

Delta R.T. 0.00 min

Lab File: BF082685.D

Acq: 4 Nov 2015 5:47

Tgt Ion: 136 Resp: 731622

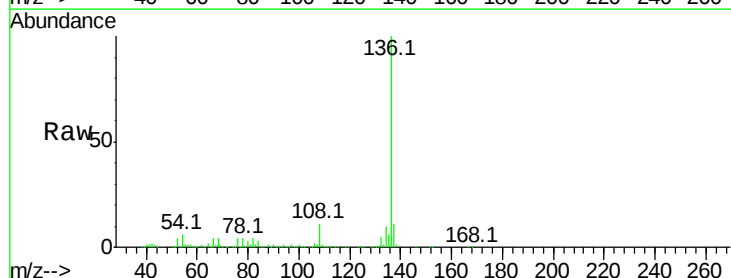
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.4 9.1 13.7#

68 4.3 4.8 7.2#

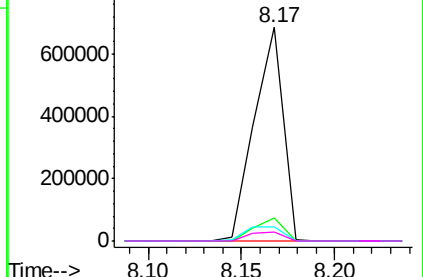
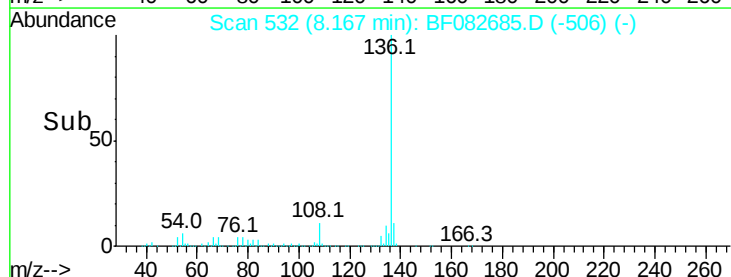


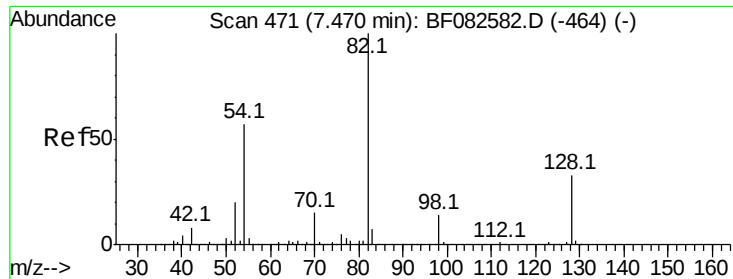
Abundance Ion 136.00 (135.70 to 136.70): E

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

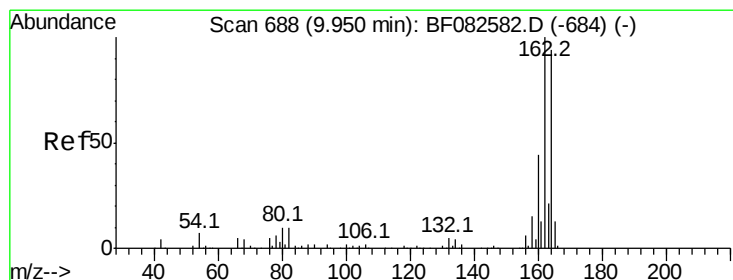
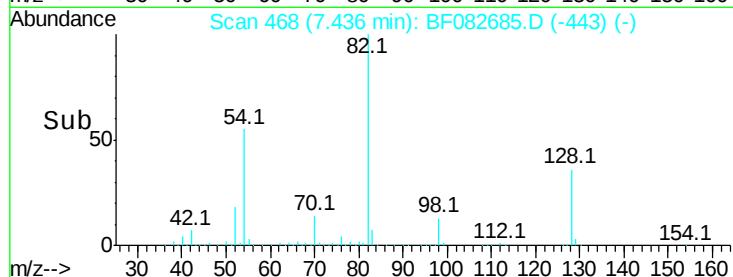
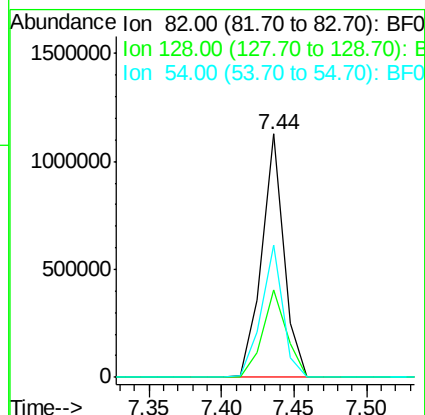
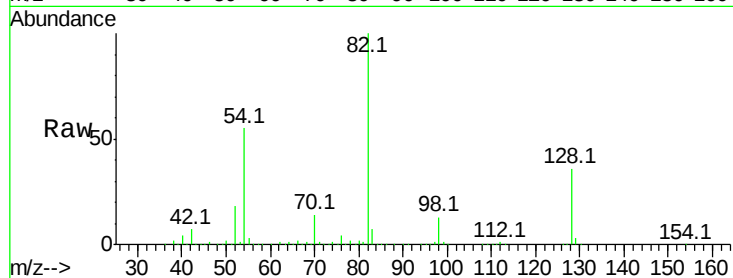




#23  
Nitrobenzene-d5  
Concen: 66.97 ng  
RT: 7.44 min Scan# 468  
Delta R.T. -0.01 min  
Lab File: BF082685.D  
Acq: 4 Nov 2015 5:47

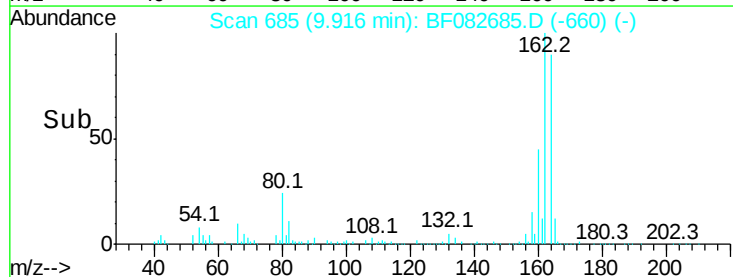
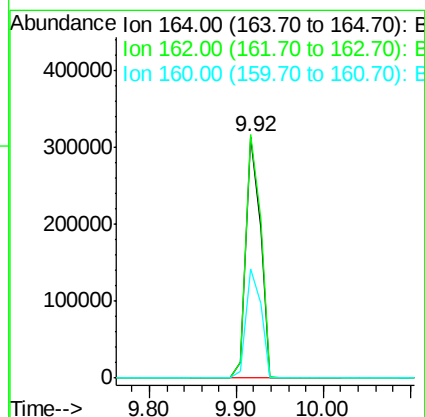
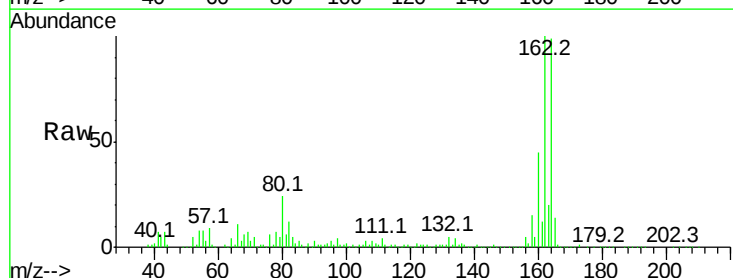
Instrument :  
BNA\_F  
ClientSampleId :  
SB-05(8-10)

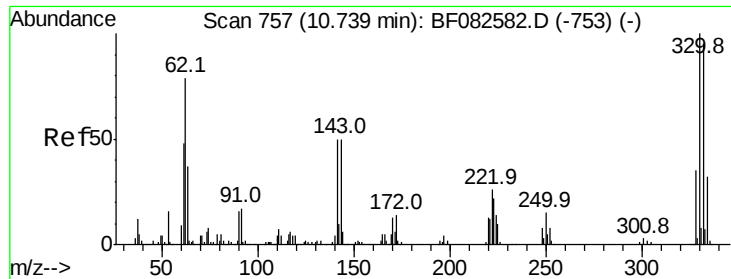
Tot Ion: 82 Resp: 1199887  
Ion Ratio Lower Upper  
82 100  
128 35.9 26.8 40.2  
54 54.5 45.7 68.5



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.92 min Scan# 685  
Delta R.T. -0.01 min  
Lab File: BF082685.D  
Acq: 4 Nov 2015 5:47

Tgt Ion:164 Resp: 367400  
Ion Ratio Lower Upper  
164 100  
162 101.0 84.9 127.3  
160 45.3 37.5 56.3

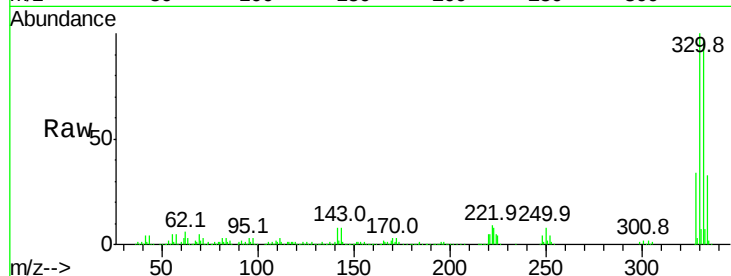




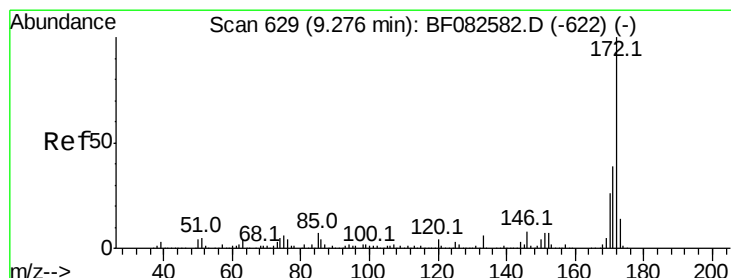
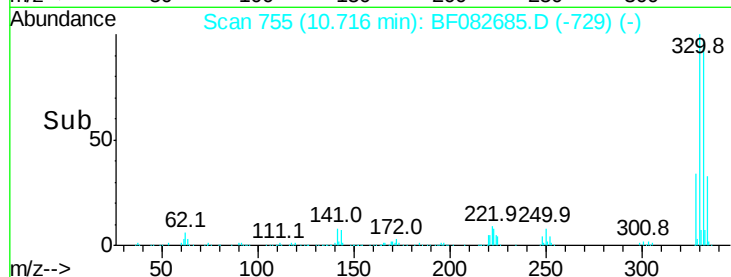
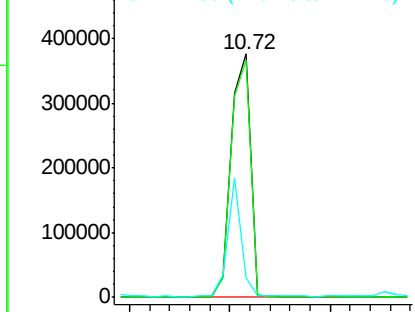
#41  
 2,4,6-Tribromophenol  
 Concen: 124.94 ng  
 RT: 10.72 min Scan# 755  
 Delta R.T. 0.00 min  
 Lab File: BF082685.D  
 Acq: 4 Nov 2015 5:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-05(8-10)

Tot Ion:330 Resp: 502379  
 Ion Ratio Lower Upper  
 330 100  
 332 97.7 76.6 114.8  
 141 34.8 41.2 61.8#

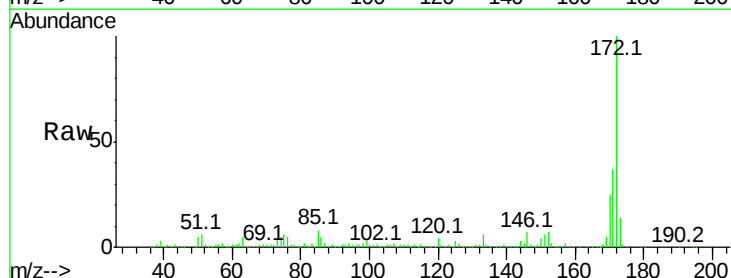


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

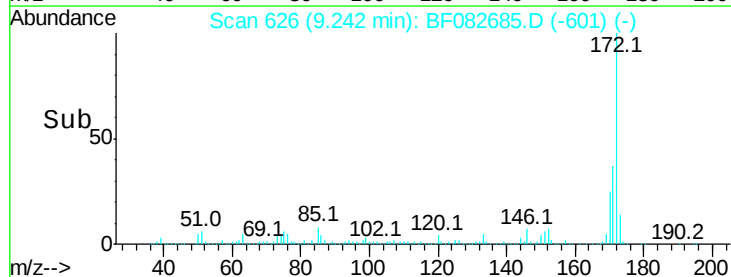
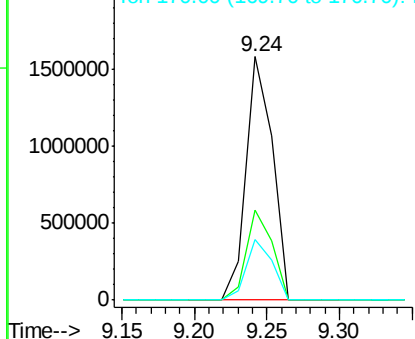


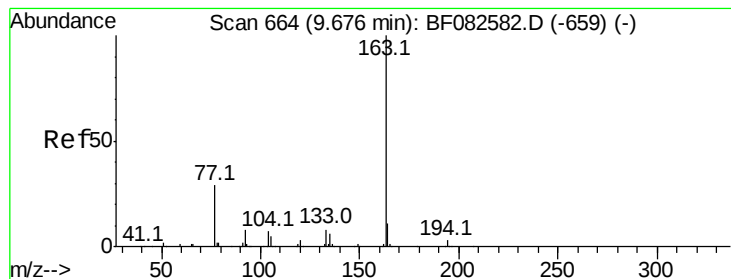
#44  
 2-Fluorobiphenyl  
 Concen: 77.33 ng  
 RT: 9.24 min Scan# 626  
 Delta R.T. -0.01 min  
 Lab File: BF082685.D  
 Acq: 4 Nov 2015 5:47

Tgt Ion:172 Resp: 2001154  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 30.8 46.2  
 170 25.0 21.2 31.8



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: 21.79 ng

RT: 9.64 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF082685.D

Acq: 4 Nov 2015 5:47

Instrument :

BNA\_F

ClientSampleId :

SB-05(8-10)

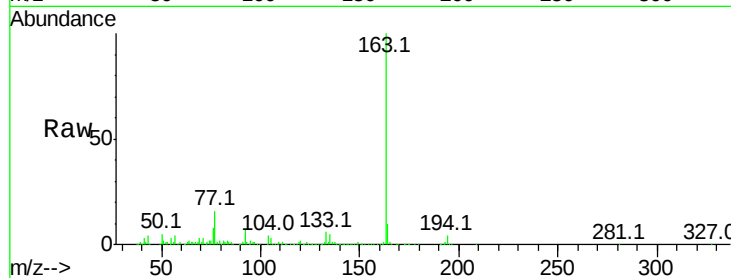
Tot Ion:163 Resp: 653698

Ion Ratio Lower Upper

163 100

194 4.3 2.6 4.0#

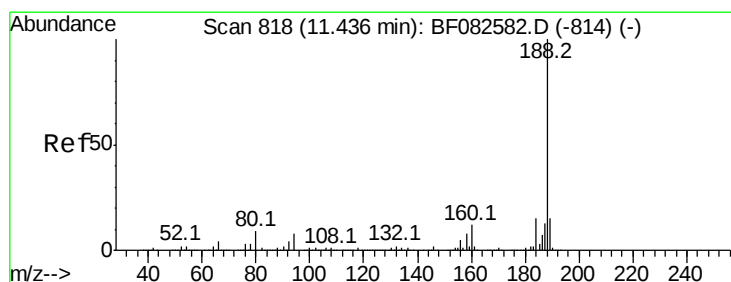
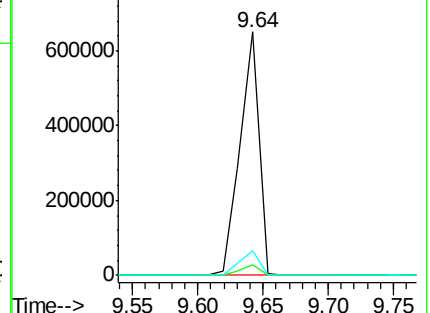
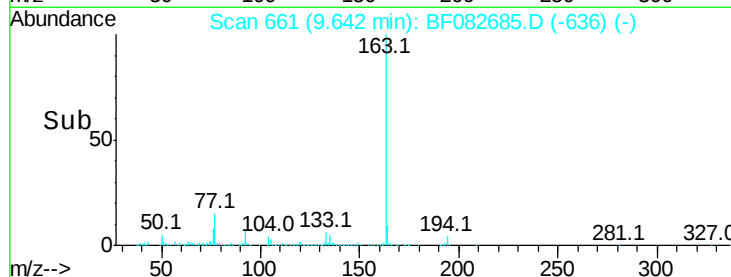
164 10.0 8.7 13.1



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# 815

Delta R.T. -0.01 min

Lab File: BF082685.D

Acq: 4 Nov 2015 5:47

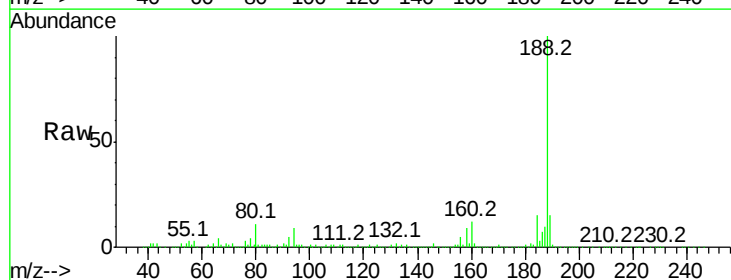
Tgt Ion:188 Resp: 688600

Ion Ratio Lower Upper

188 100

94 9.2 6.1 9.1#

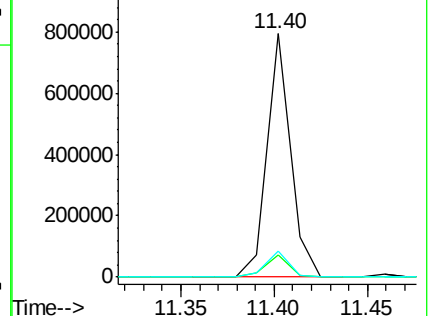
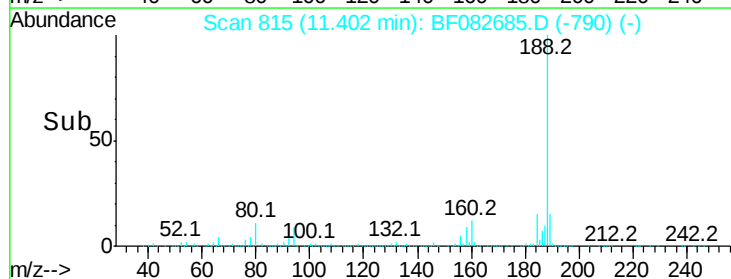
80 10.9 7.0 10.6#

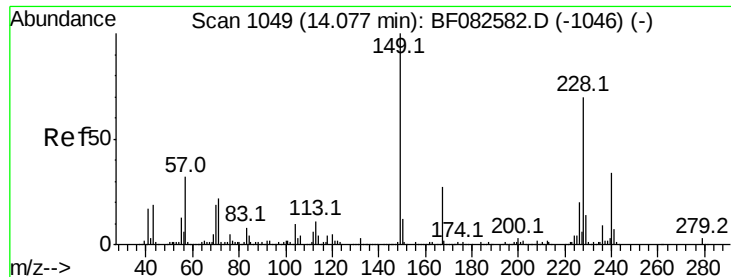


Abundance Ion 188.00 (187.70 to 188.70): E

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# 1046

Delta R.T. -0.01 min

Lab File: BF082685.D

Acq: 4 Nov 2015 5:47

Instrument :

BNA\_F

ClientSampleId :

SB-05(8-10)

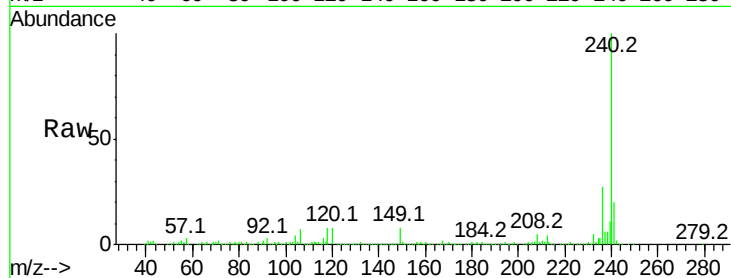
Tot Ion:240 Resp: 553905

Ion Ratio Lower Upper

240 100

120 8.2 10.9 16.3#

236 26.9 21.6 32.4



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

14.04

800000

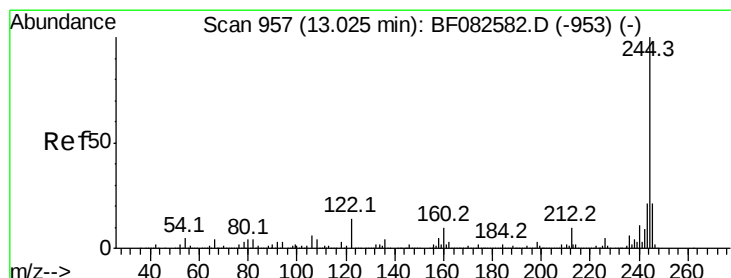
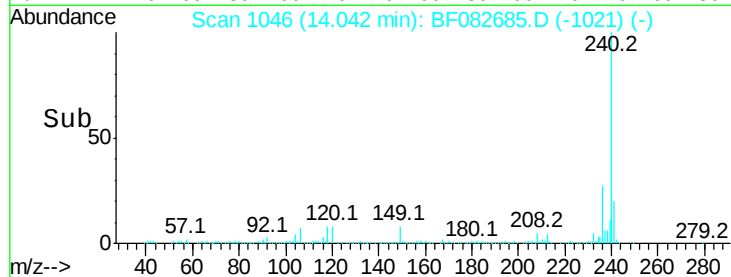
600000

400000

200000

0

Time--> 13.90 14.00 14.10 14.20



#78

Terphenyl-d14

Concen: 85.82 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF082685.D

Acq: 4 Nov 2015 5:47

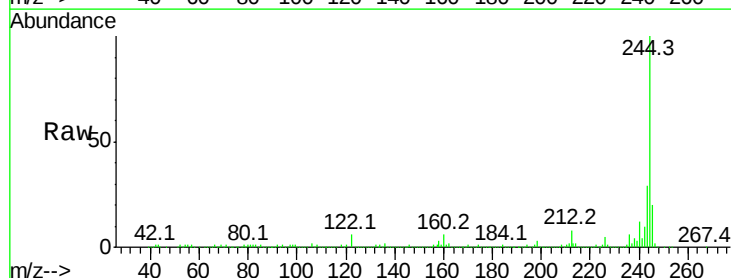
Tgt Ion:244 Resp: 2172049

Ion Ratio Lower Upper

244 100

212 8.0 7.6 11.4

122 6.0 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

13.00

2500000

2000000

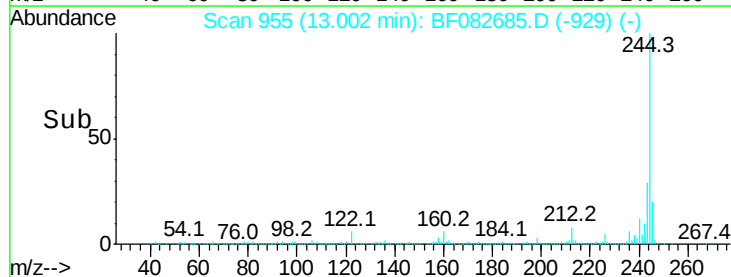
1500000

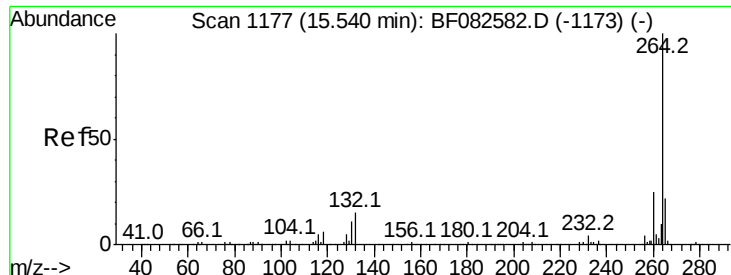
1000000

500000

0

Time--> 13.00 13.20





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.49 min Scan# 1173  
 Delta R.T. -0.01 min  
 Lab File: BF082685.D  
 Acq: 4 Nov 2015 5:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-05(8-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 19.8  | 29.6  |
| 265     | 21.8  | 17.4  | 26.0  |

