

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110615\  
 Data File : BF082724.D  
 Acq On : 5 Nov 2015 12:41  
 Operator : UM/IZ  
 Sample : G4241-18  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-11(18-20)

Quant Time: Nov 06 02:31:53 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

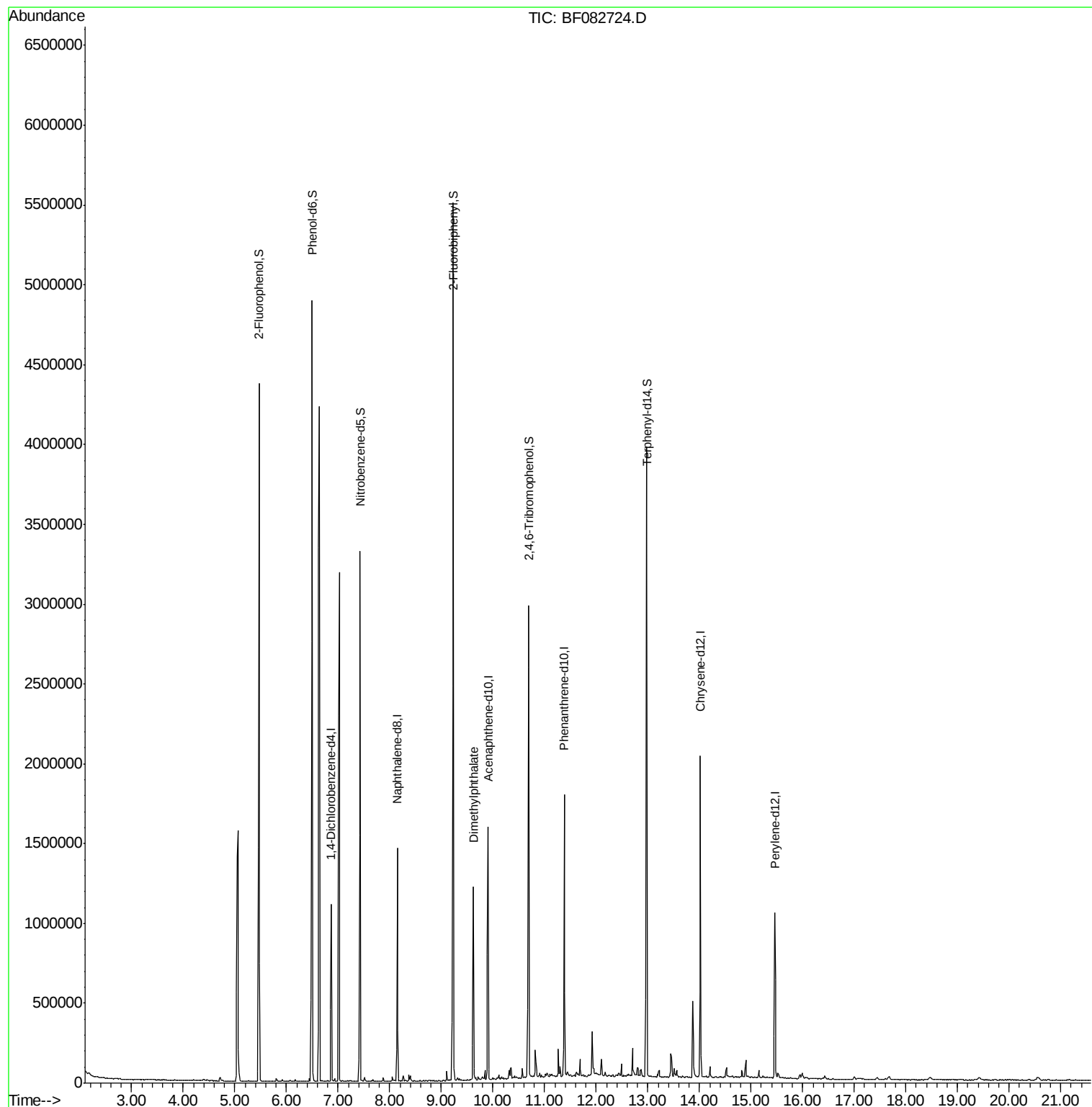
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 175601   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.14  | 136  | 629247   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.90  | 164  | 362411   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.38 | 188  | 661382   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 14.02 | 240  | 679996   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 15.46 | 264  | 539379   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 1203303  | 103.21 | ng    | 0.00     |
| 7) Phenol-d6                | 6.50  | 99   | 1866415  | 120.50 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 1219676  | 79.15  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 528653   | 133.29 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.23  | 172  | 1867565  | 73.17  | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.98 | 244  | 1841448  | 59.26  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.62  | 163  | 447469   | 15.12  | ng    | 99       |

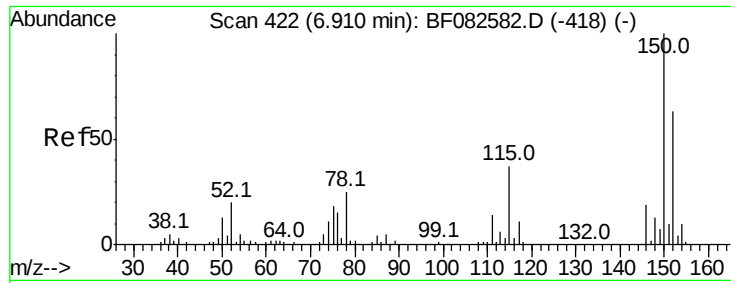
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



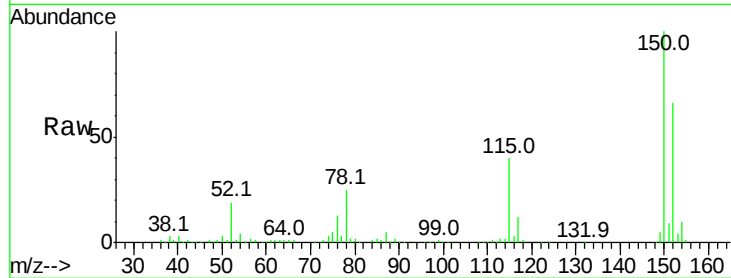


#1

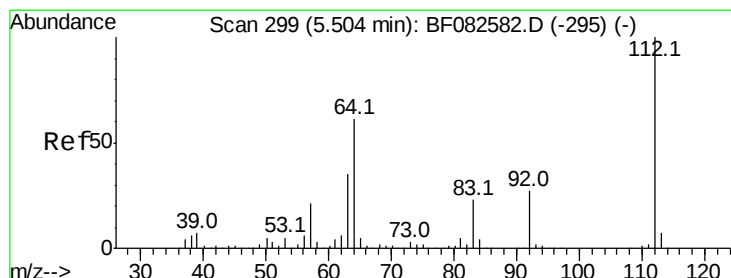
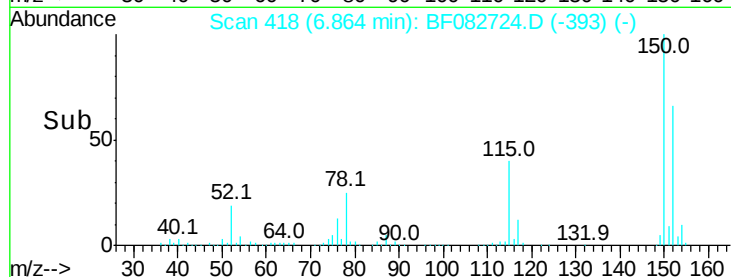
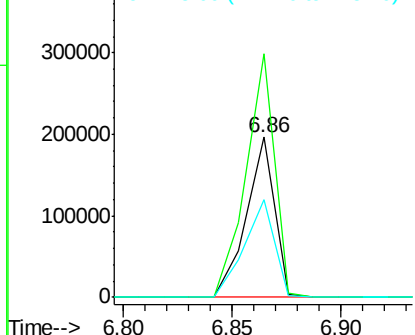
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.86 min Scan# 418  
Delta R.T. -0.01 min  
Lab File: BF082724.D  
Acq: 5 Nov 2015 12:41

Instrument :  
BNA\_F  
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SB-11(18-20)

Tot Ion:152 Resp: 175601  
Ion Ratio Lower Upper  
152 100  
150 152.2 127.0 190.4  
115 60.8 47.0 70.6



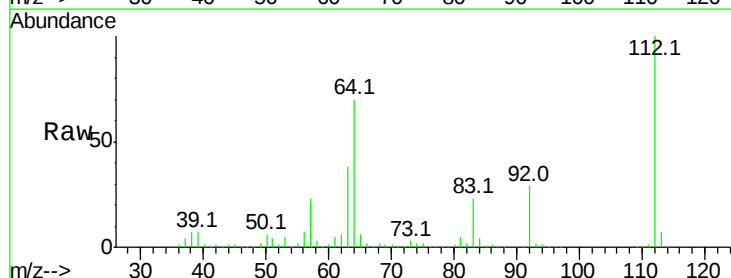
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



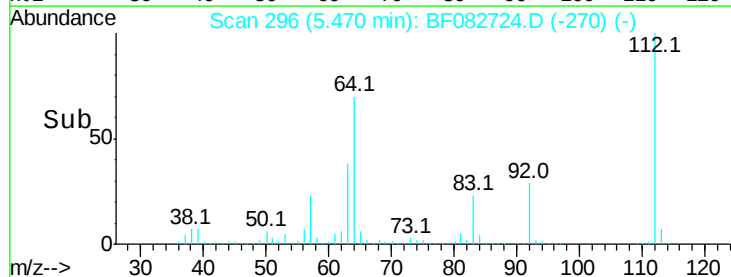
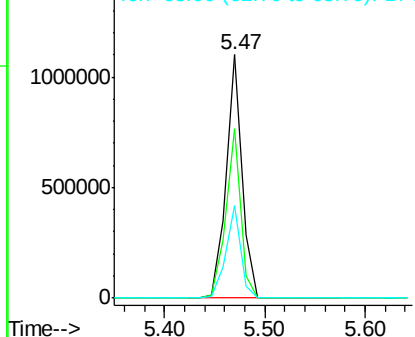
#5

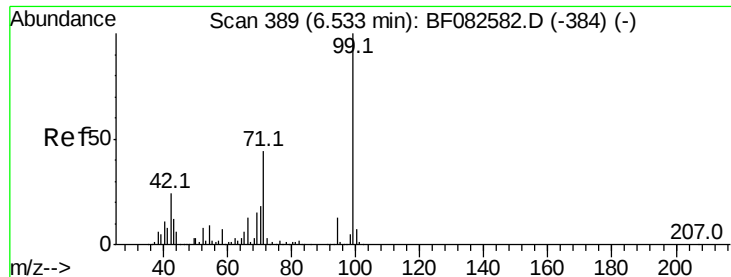
2-Fluorophenol  
Concen: 103.21 ng  
RT: 5.47 min Scan# 296  
Delta R.T. -0.00 min  
Lab File: BF082724.D  
Acq: 5 Nov 2015 12:41

Tgt Ion:112 Resp: 1203303  
Ion Ratio Lower Upper  
112 100  
64 69.6 48.9 73.3  
63 38.1 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: 120.50 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF082724.D

Acq: 5 Nov 2015 12:41

Instrument :

BNA\_F

ClientSampleId :

SB-11(18-20)

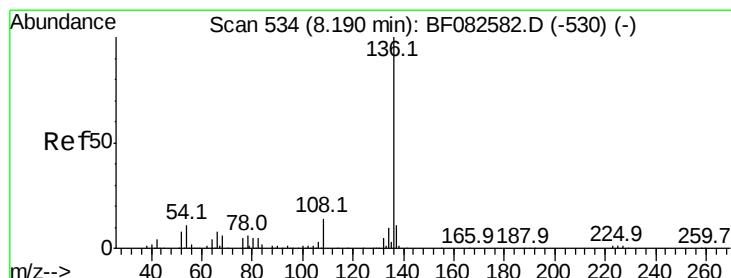
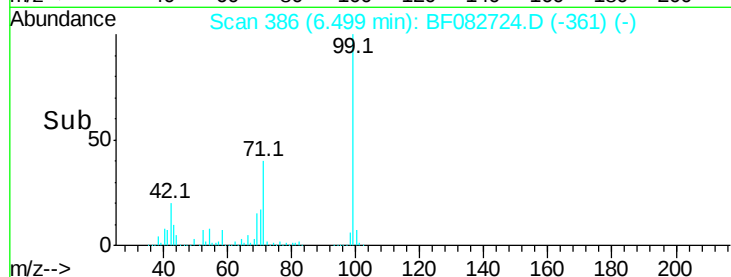
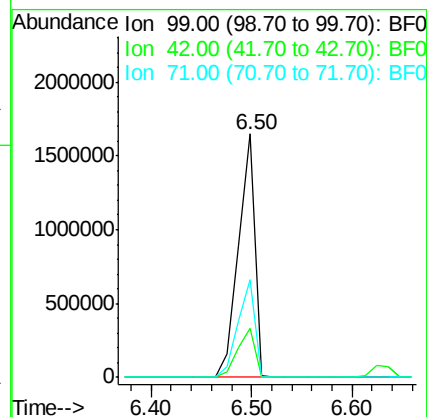
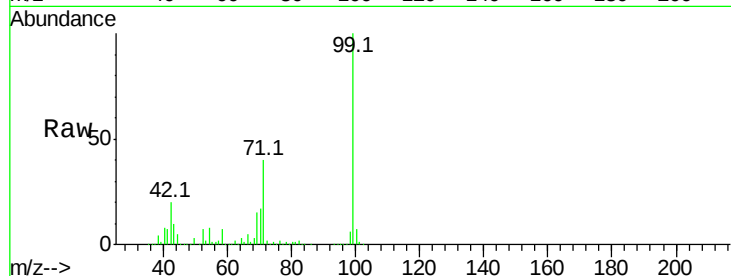
Tot Ion: 99 Resp: 1866415

Ion Ratio Lower Upper

99 100

42 20.1 19.2 28.8

71 40.2 35.0 52.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.02 min

Lab File: BF082724.D

Acq: 5 Nov 2015 12:41

Tgt Ion: 136 Resp: 629247

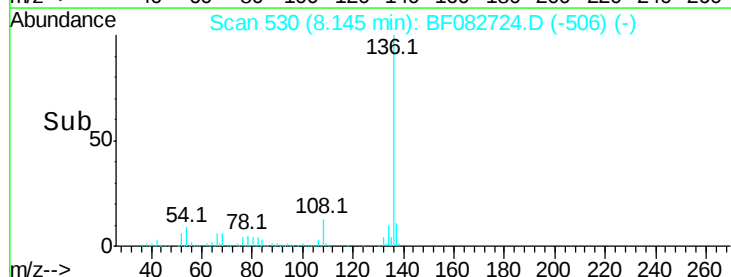
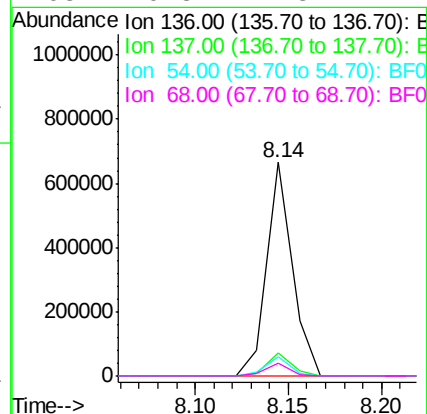
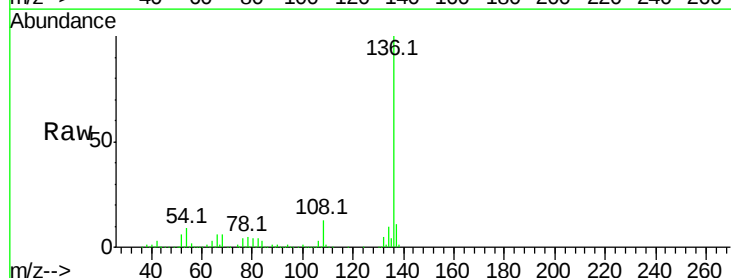
Ion Ratio Lower Upper

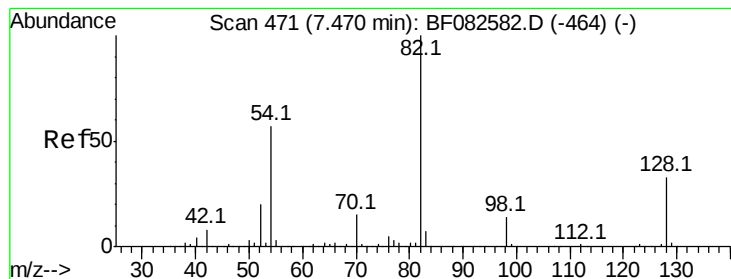
136 100

137 10.9 9.1 13.7

54 9.3 9.1 13.7

68 6.3 4.8 7.2





#23

Nitrobenzene-d5

Concen: 79.15 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.02 min

Lab File: BF082724.D

Acq: 5 Nov 2015 12:41

Instrument :

BNA\_F

ClientSampleId :

SB-11(18-20)

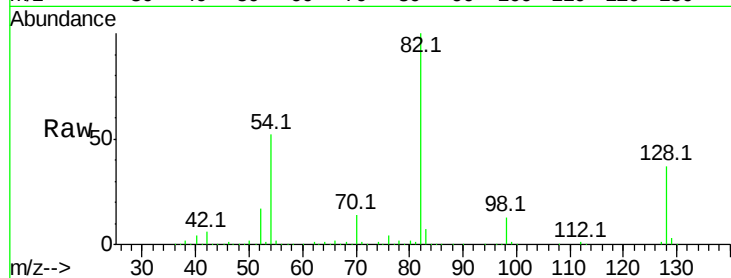
Tot Ion: 82 Resp: 1219676

Ion Ratio Lower Upper

82 100

128 37.4 26.8 40.2

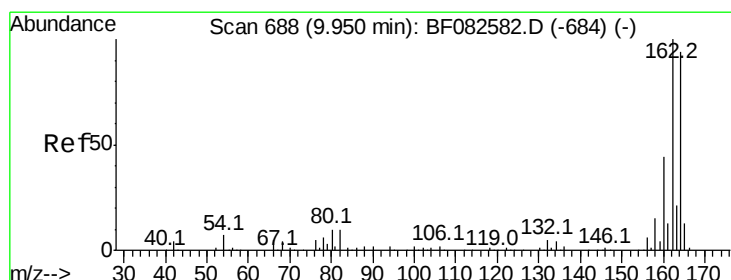
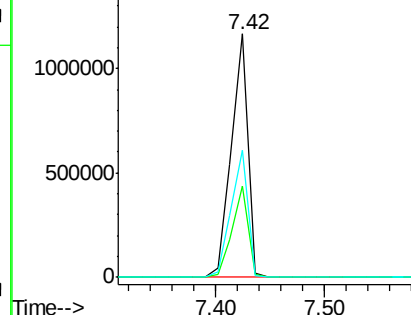
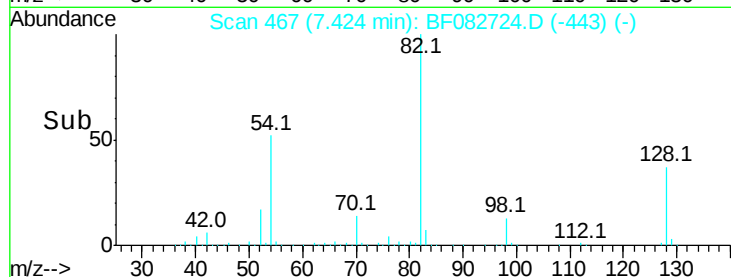
54 52.2 45.7 68.5



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF082724.D

Acq: 5 Nov 2015 12:41

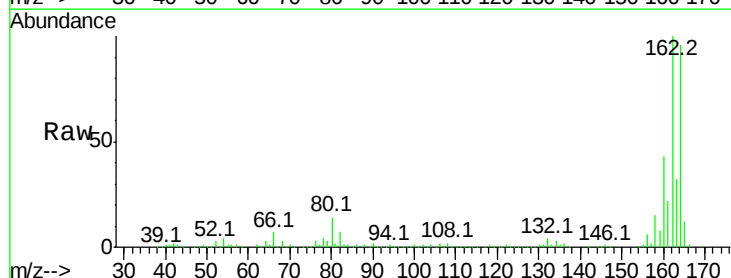
Tgt Ion:164 Resp: 362411

Ion Ratio Lower Upper

164 100

162 104.6 84.9 127.3

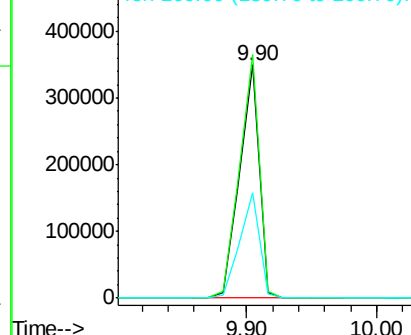
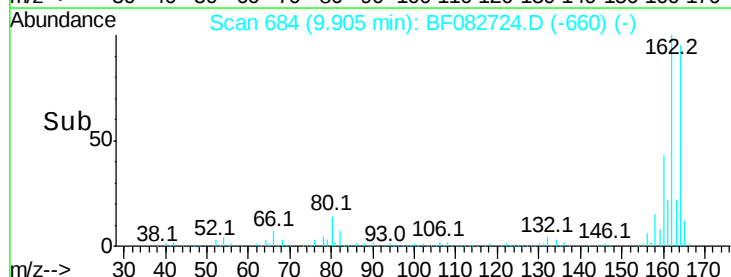
160 45.3 37.5 56.3

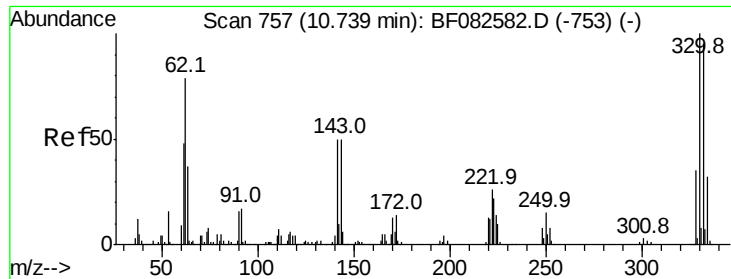


Abundance Ion 164.00 (163.70 to 164.70): BF0

Ion 162.00 (161.70 to 162.70): BF0

Ion 160.00 (159.70 to 160.70): BF0

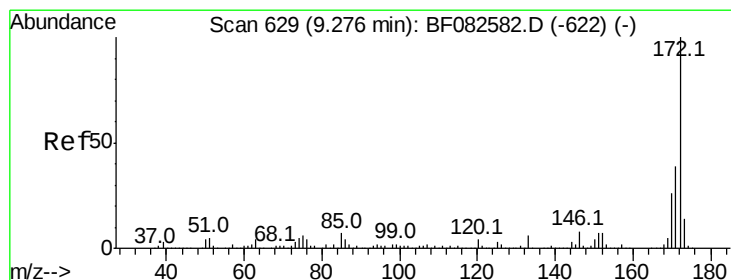
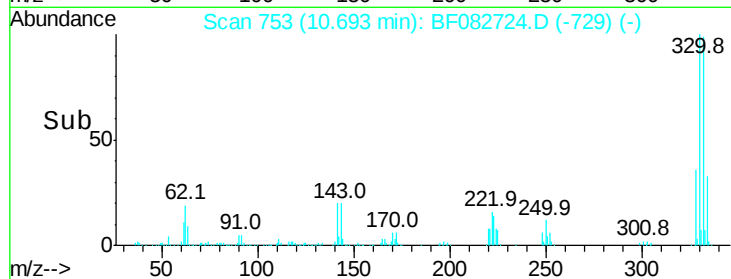
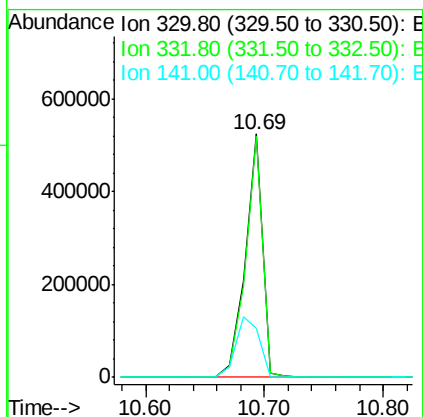
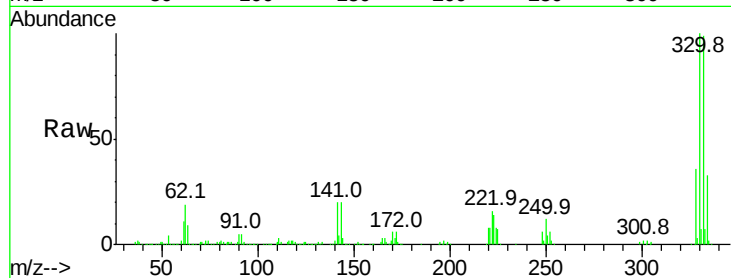




#41  
 2,4,6-Tribromophenol  
 Concen: 133.29 ng  
 RT: 10.69 min Scan# 753  
 Delta R.T. -0.02 min  
 Lab File: BF082724.D  
 Acq: 5 Nov 2015 12:41

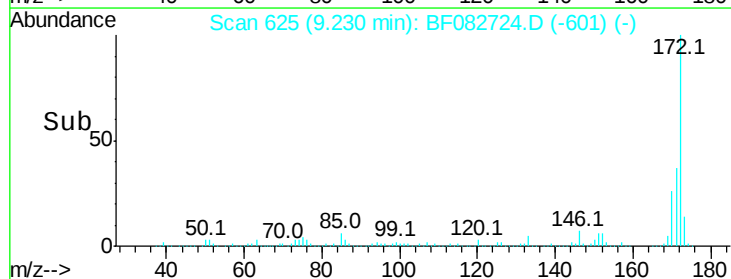
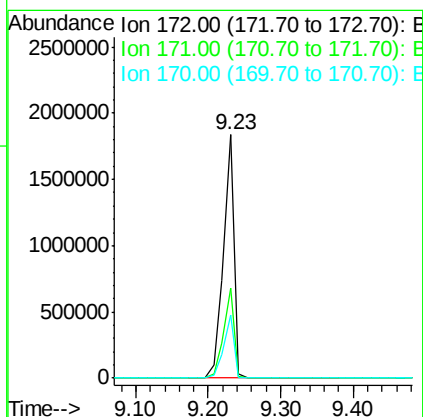
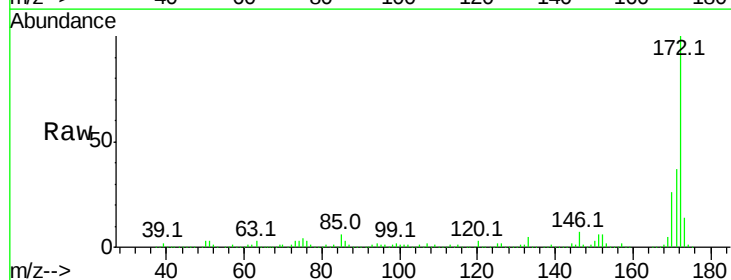
Instrument :  
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 SB-11(18-20)

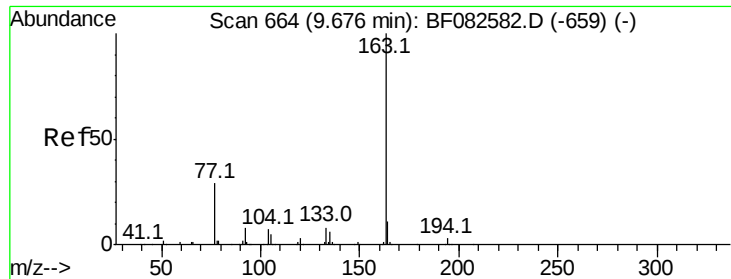
Tot Ion:330 Resp: 528653  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 76.6 114.8  
 141 34.3 41.2 61.8#



#44  
 2-Fluorobiphenyl  
 Concen: 73.17 ng  
 RT: 9.23 min Scan# 625  
 Delta R.T. -0.02 min  
 Lab File: BF082724.D  
 Acq: 5 Nov 2015 12:41

Tgt Ion:172 Resp: 1867565  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 30.8 46.2  
 170 25.8 21.2 31.8

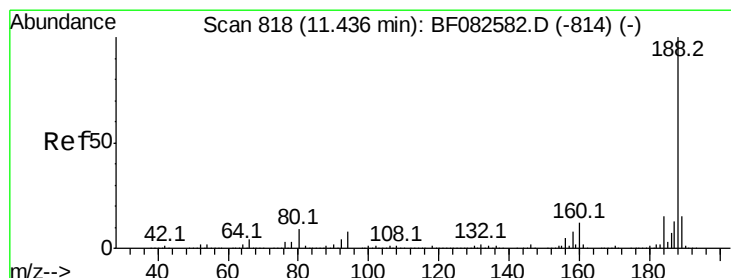
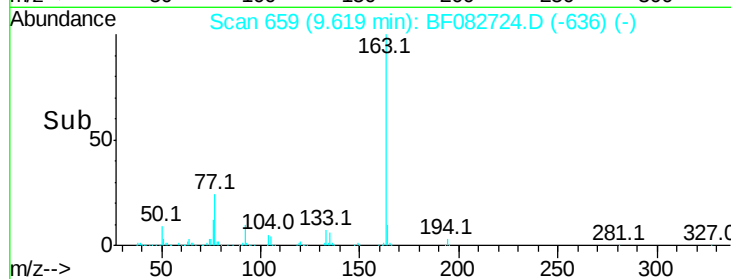
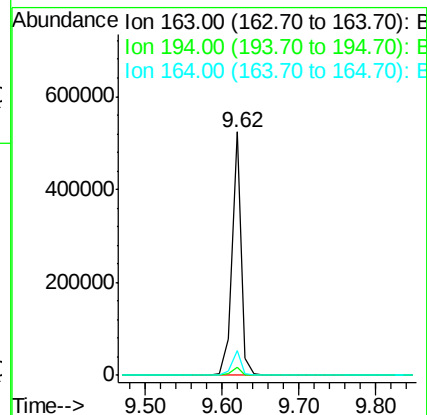
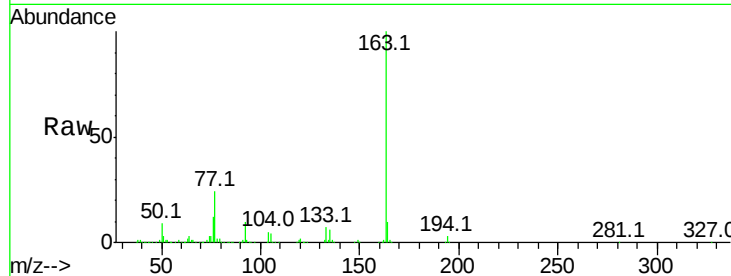




#49  
Dimethylphthalate  
Concen: 15.12 ng  
RT: 9.62 min Scan# 659  
Delta R.T. -0.03 min  
Lab File: BF082724.D  
Acq: 5 Nov 2015 12:41

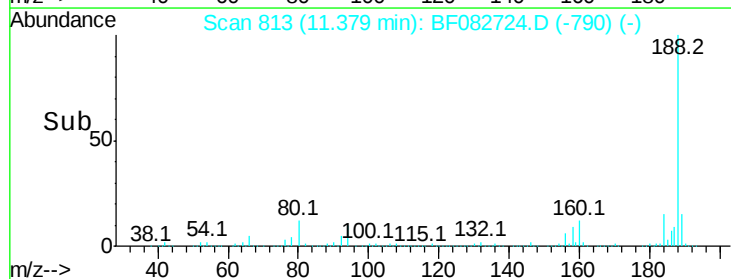
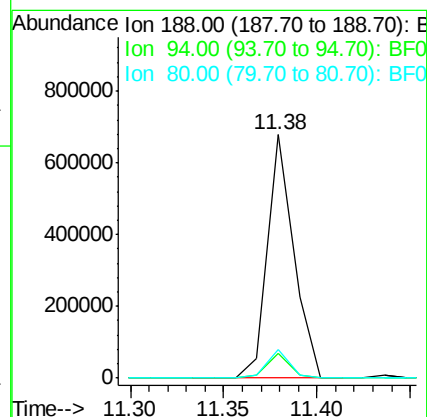
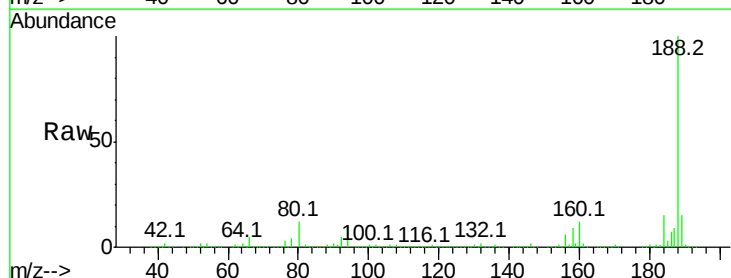
Instrument :  
BNA\_F  
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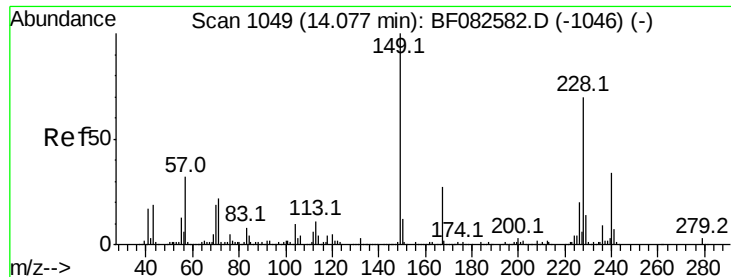
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.3   | 2.6   | 4.0   |
| 164     | 10.3  | 8.7   | 13.1  |



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.38 min Scan# 813  
Delta R.T. -0.03 min  
Lab File: BF082724.D  
Acq: 5 Nov 2015 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.0  | 6.1   | 9.1#  |
| 80      | 11.7  | 7.0   | 10.6# |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF082724.D

Acq: 5 Nov 2015 12:41

Instrument :

BNA\_F

ClientSampleId :

SB-11(18-20)

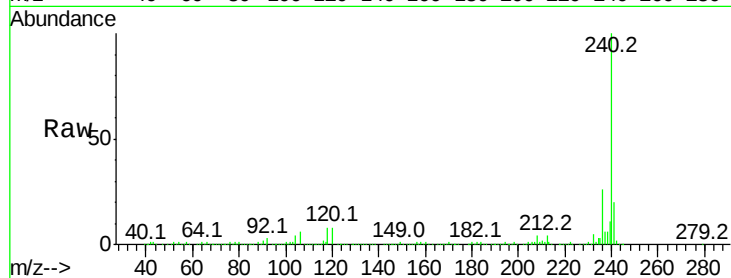
Tot Ion:240 Resp: 679996

Ion Ratio Lower Upper

240 100

120 8.0 10.9 16.3#

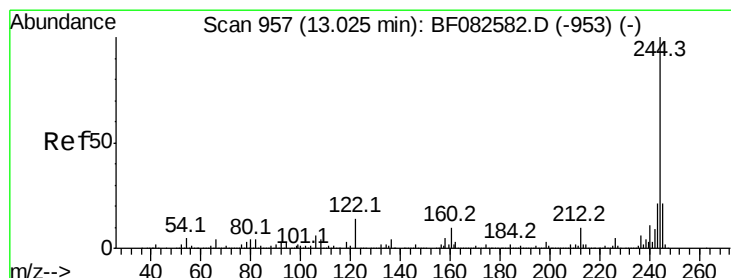
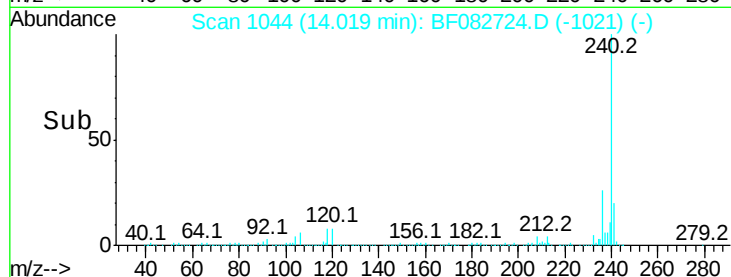
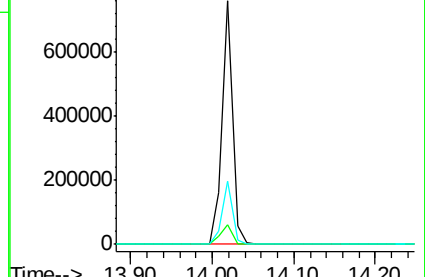
236 25.7 21.6 32.4



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



#78

Terphenyl-d14

Concen: 59.26 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.02 min

Lab File: BF082724.D

Acq: 5 Nov 2015 12:41

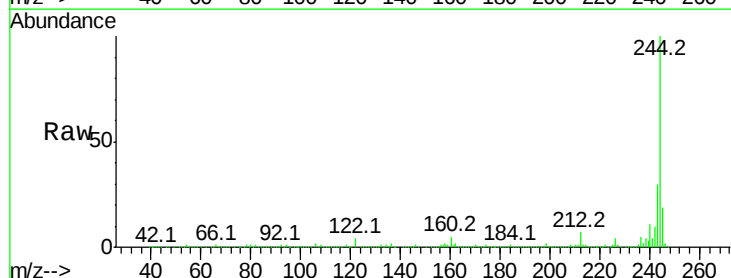
Tgt Ion:244 Resp: 1841448

Ion Ratio Lower Upper

244 100

212 7.1 7.6 11.4#

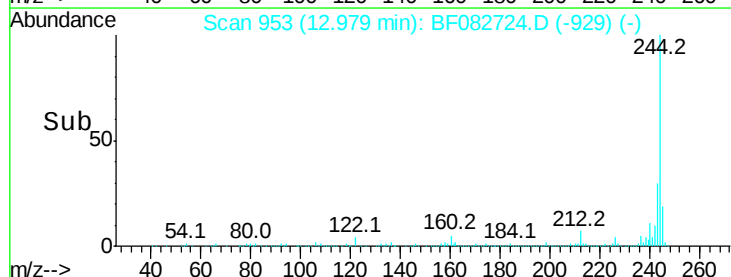
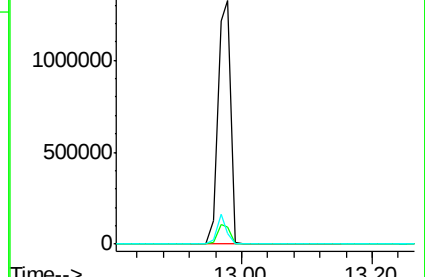
122 4.4 11.3 16.9#

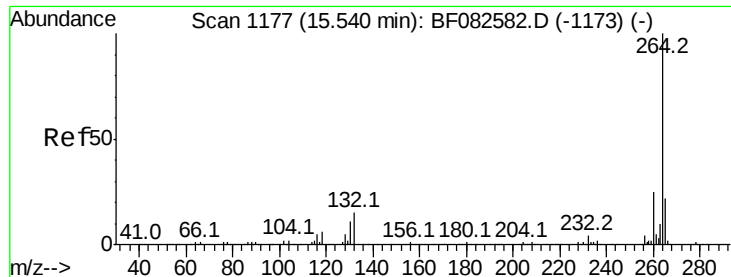


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

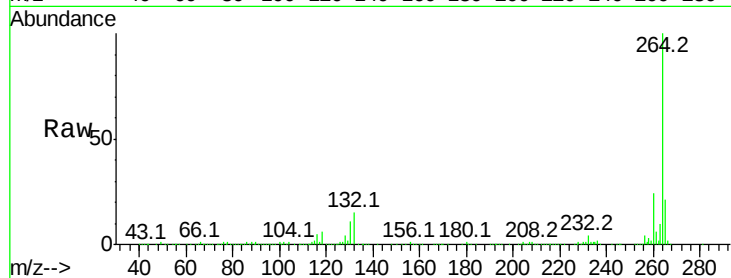




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.46 min Scan# 1170  
 Delta R.T. -0.05 min  
 Lab File: BF082724.D  
 Acq: 5 Nov 2015 12:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-11(18-20)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.8  | 29.6  |
| 265     | 21.0  | 17.4  | 26.0  |



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

