

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090415\  
 Data File : BF081465.D  
 Acq On : 5 Sep 2015 15:18  
 Operator : UM/IZ  
 Sample : G3526-03  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

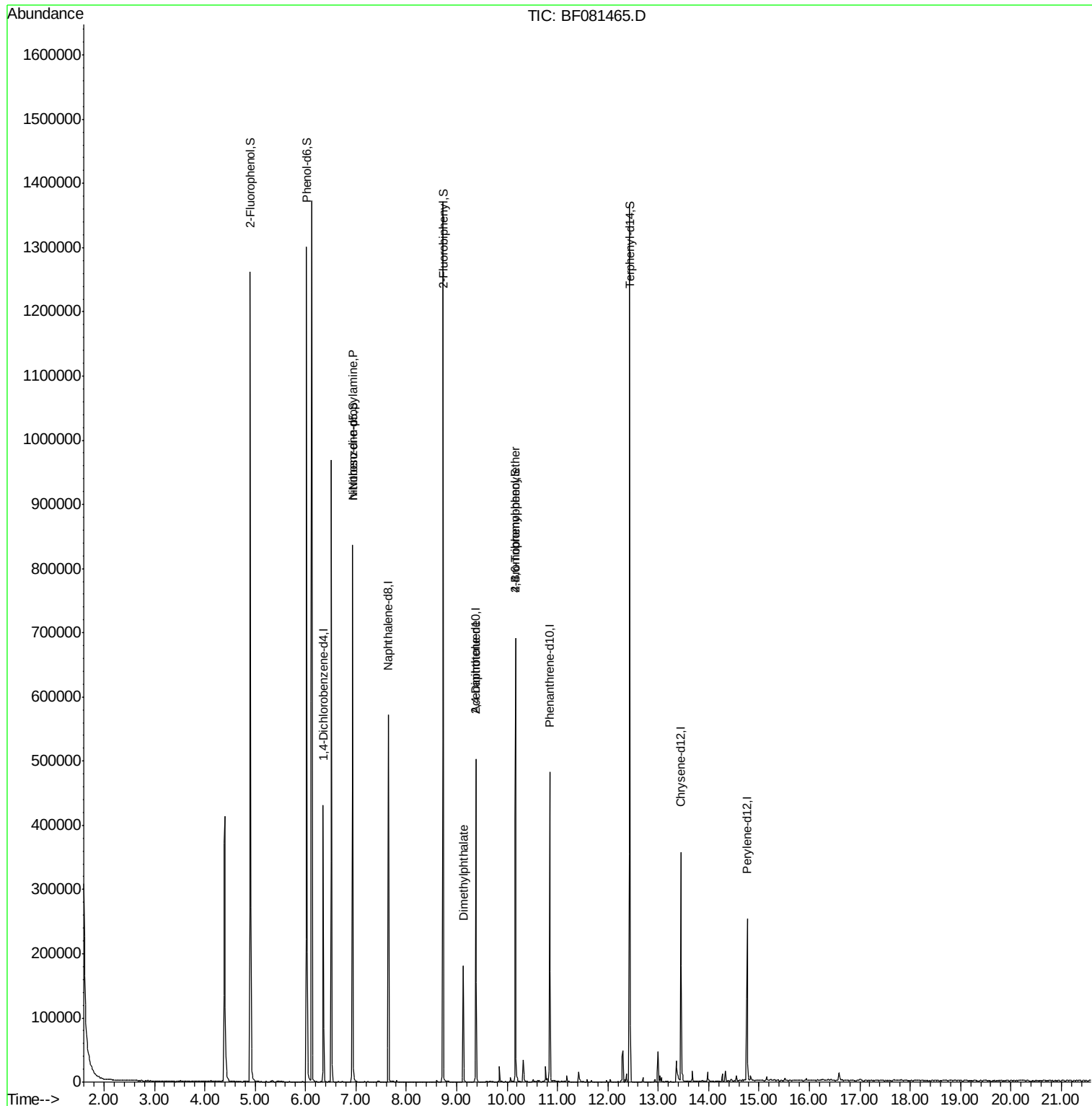
Quant Time: Sep 07 02:50:27 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 07 02:47:26 2015  
 Response via : Initial Calibration

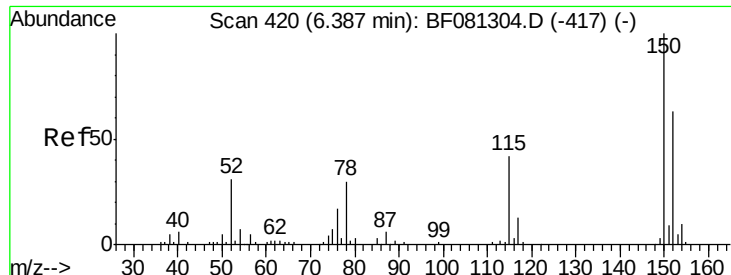
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.35  | 152  | 57434    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8             | 7.64  | 136  | 226026   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.38  | 164  | 101715   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10           | 10.85 | 188  | 187197   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12               | 13.45 | 240  | 149854   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12               | 14.77 | 264  | 113236   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 4.90  | 112  | 324025   | 87.53 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.02  | 99   | 402943   | 82.23 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 6.94  | 82   | 307227   | 65.58 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.17 | 330  | 87808    | 96.95 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.73  | 172  | 464962   | 58.58 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.43 | 244  | 404992   | 62.91 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 6.94  | 70   | 40857    | 12.25 | ng    | # 59     |
| 49) Dimethylphthalate          | 9.13  | 163  | 63943    | 8.09  | ng    | # 97     |
| 56) 2,4-Dinitrotoluene         | 9.38  | 165  | 12351    | 5.41  | ng    | # 31     |
| 66) 4-Bromophenyl-phenylether  | 10.17 | 248  | 6379     | 3.37  | ng    | # 1      |

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

```
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Misc      :  
ALS Vial  : 44 Sample Multiplier: 1
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 07 02:47:26 2015  
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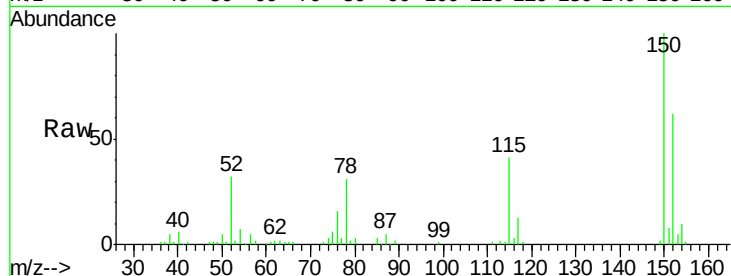


#1

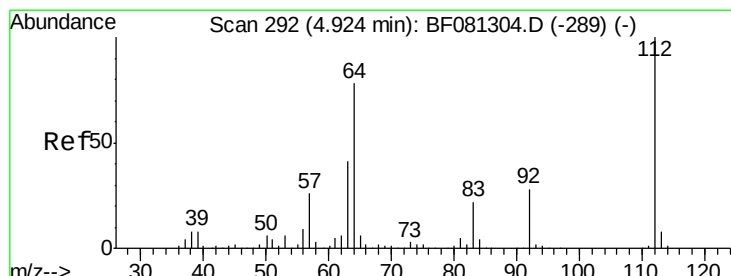
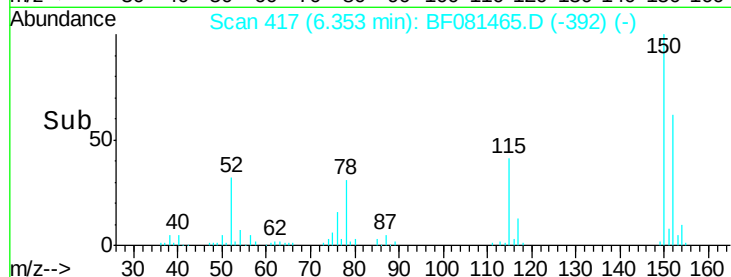
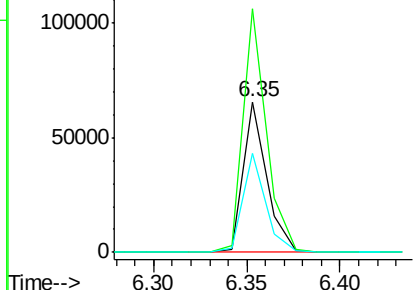
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.35 min Scan# 417  
Delta R.T. -0.01 min  
Lab File: BF081465.D  
Acq: 5 Sep 2015 15:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 57434  
Ion Ratio Lower Upper  
152 100  
150 161.5 124.7 187.1  
115 66.0 39.0 58.4#



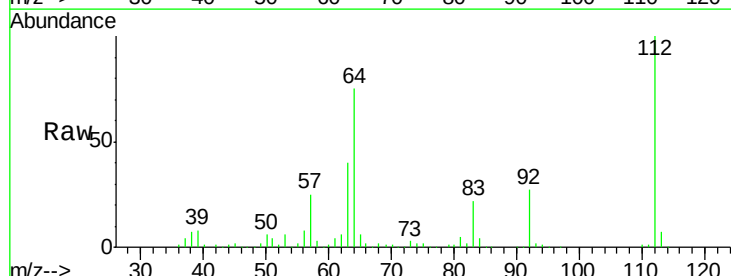
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



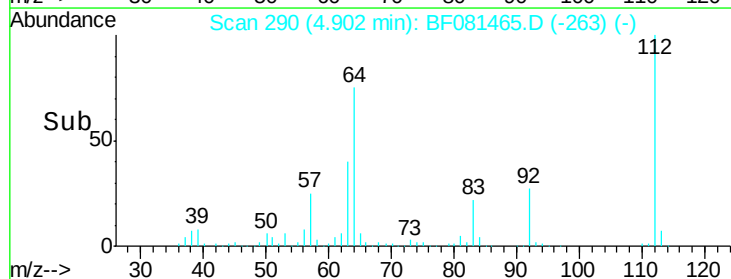
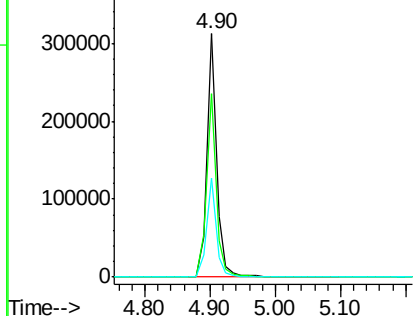
#5

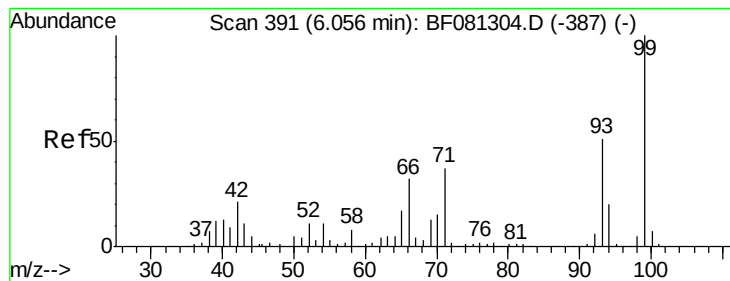
2-Fluorophenol  
Concen: 87.53 ng  
RT: 4.90 min Scan# 290  
Delta R.T. 0.01 min  
Lab File: BF081465.D  
Acq: 5 Sep 2015 15:18

Tgt Ion:112 Resp: 324025  
Ion Ratio Lower Upper  
112 100  
64 75.4 39.7 59.5#  
63 40.5 17.4 26.0#



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: 82.23 ng

RT: 6.02 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF081465.D

Acq: 5 Sep 2015 15:18

Instrument :

BNA\_F

ClientSampled :

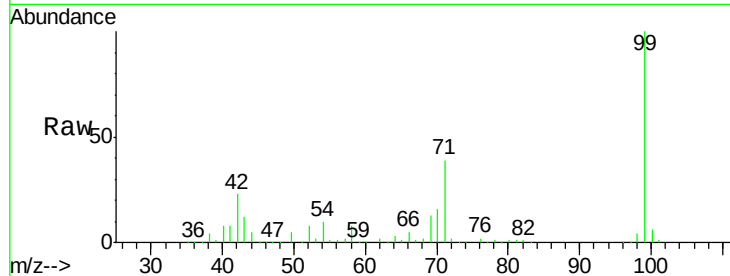
Tot Ion: 99 Resp: 402943

Ion Ratio Lower Upper

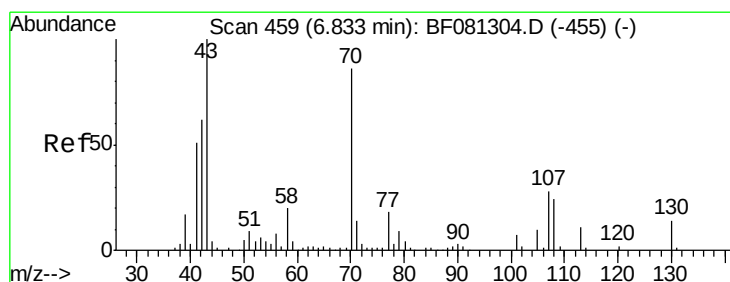
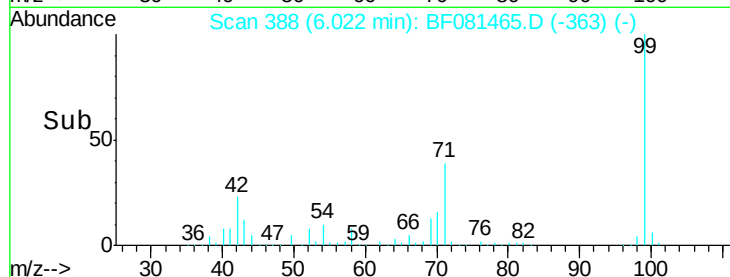
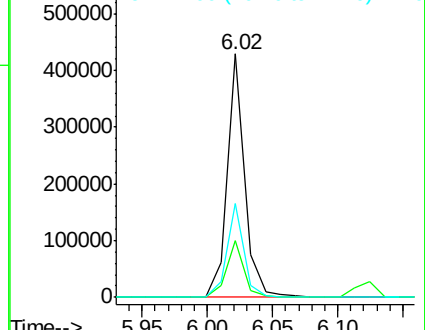
99 100

42 23.3 13.7 20.5#

71 38.6 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.25 ng

RT: 6.94 min Scan# 468

Delta R.T. 0.13 min

Lab File: BF081465.D

Acq: 5 Sep 2015 15:18

Tgt Ion: 70 Resp: 40857

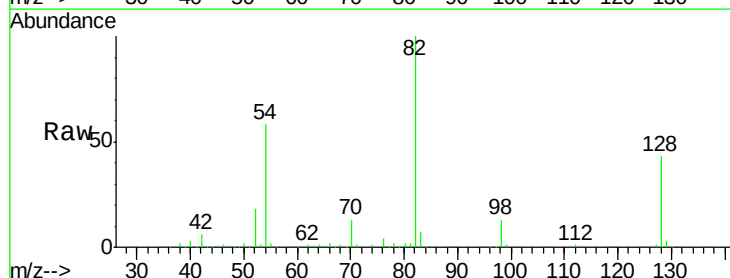
Ion Ratio Lower Upper

70 100

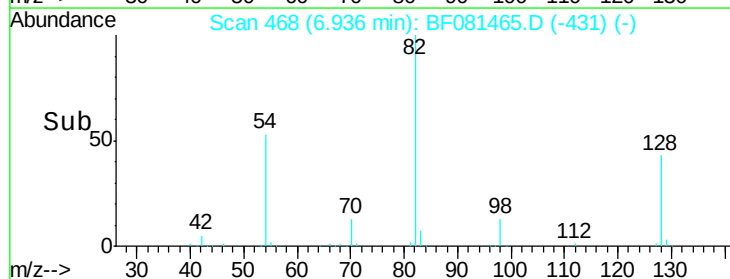
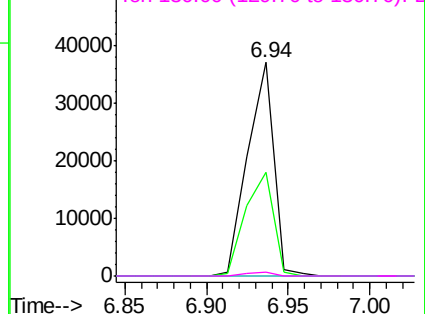
42 48.4 63.8 95.6#

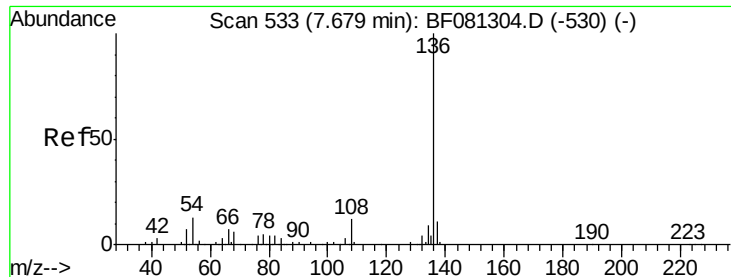
101 0.0 9.2 13.8#

130 1.8 27.3 40.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 101.00 (100.70 to 101.70): BF0  
Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF081465.D

Acq: 5 Sep 2015 15:18

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 226026

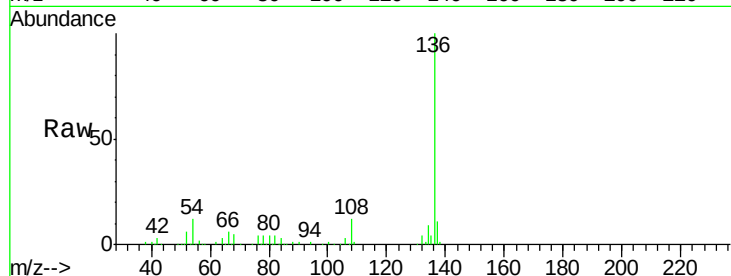
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 11.7 8.2 12.2

68 5.1 5.8 8.6#

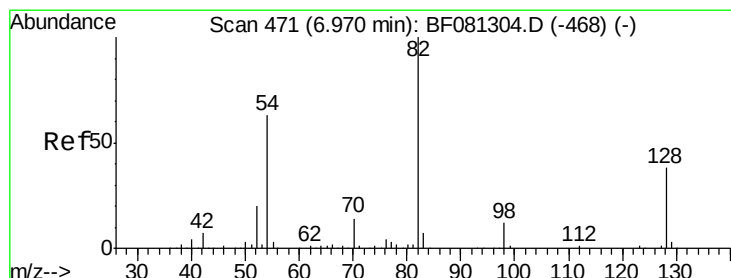
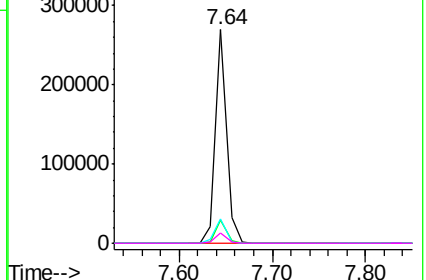
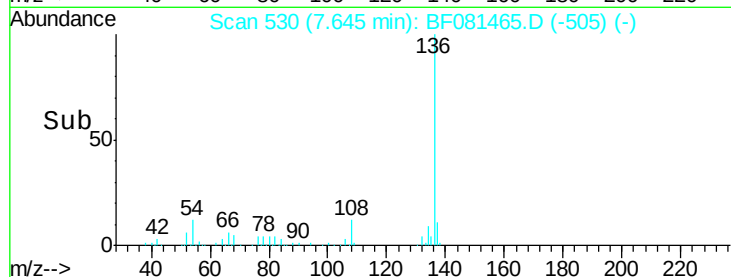


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.58 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.01 min

Lab File: BF081465.D

Acq: 5 Sep 2015 15:18

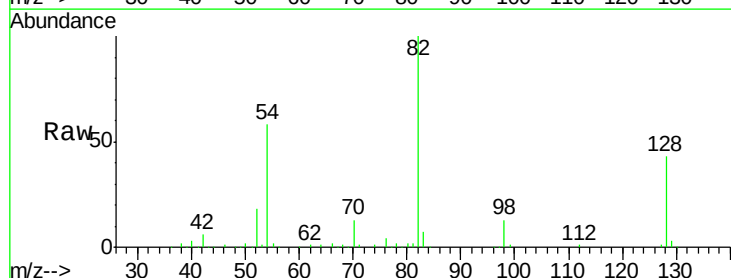
Tgt Ion: 82 Resp: 307227

Ion Ratio Lower Upper

82 100

128 43.1 51.0 76.6#

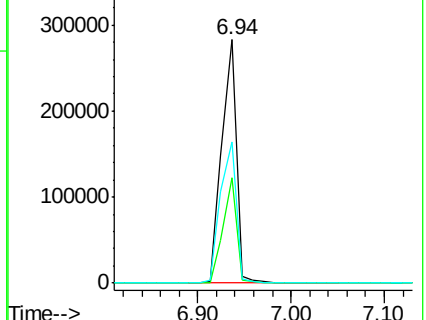
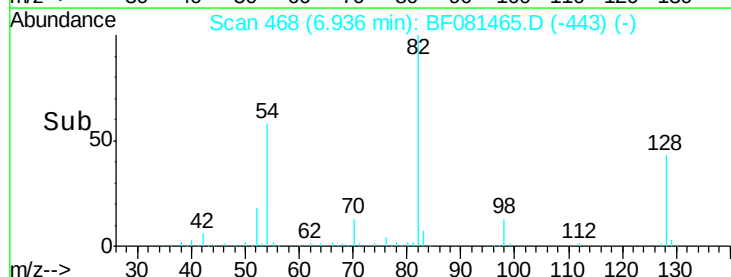
54 58.1 47.5 71.3

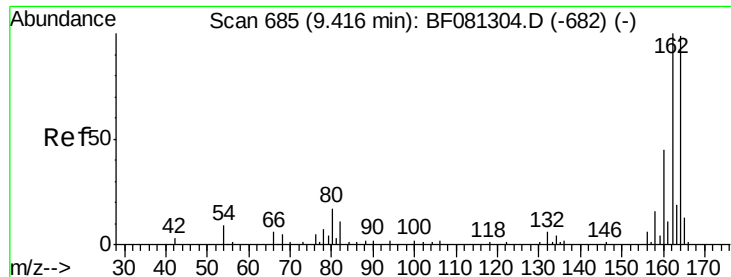


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.38 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF081465.D

Acq: 5 Sep 2015 15:18

Instrument :

BNA\_F

ClientSampleId :

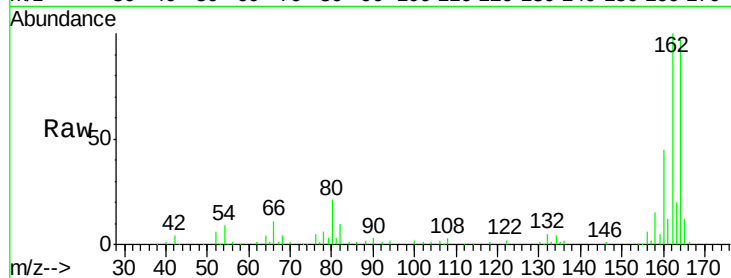
Tot Ion:164 Resp: 101715

Ion Ratio Lower Upper

164 100

162 102.7 75.2 112.8

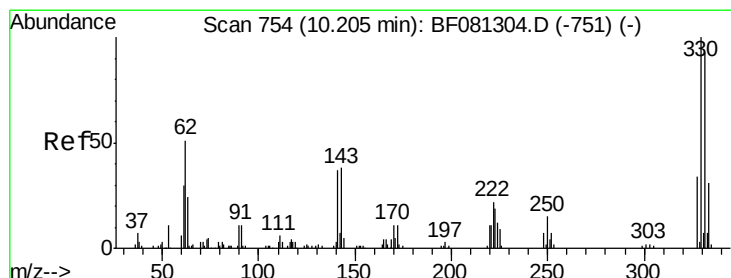
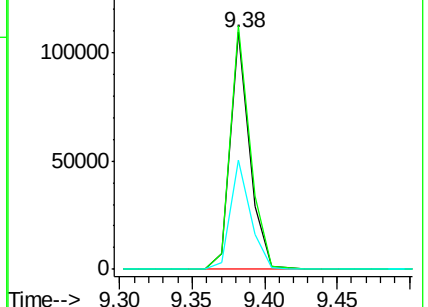
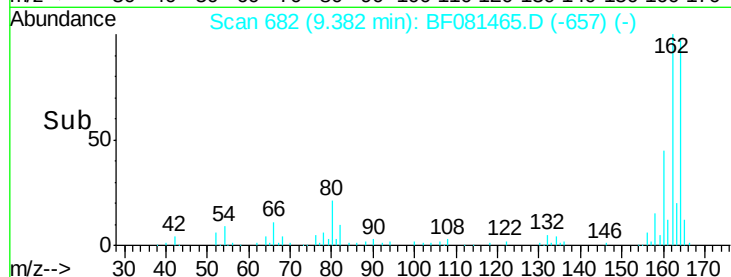
160 46.2 31.5 47.3



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: 96.95 ng

RT: 10.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF081465.D

Acq: 5 Sep 2015 15:18

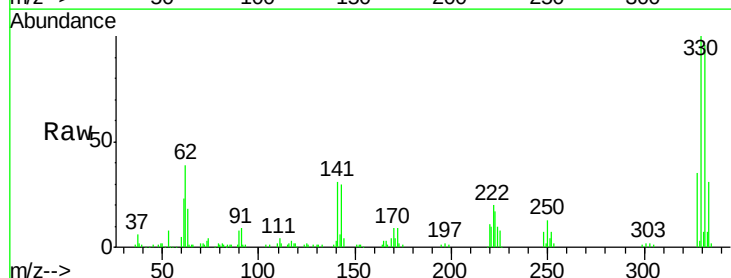
Tgt Ion:330 Resp: 87808

Ion Ratio Lower Upper

330 100

332 95.0 76.6 114.8

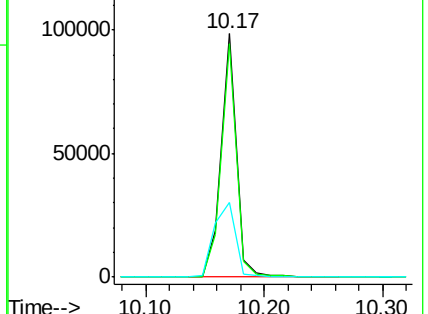
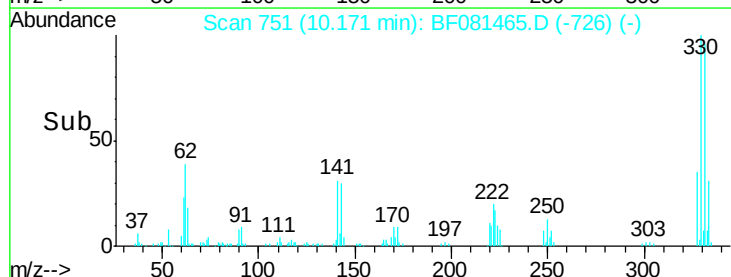
141 42.9 29.7 44.5

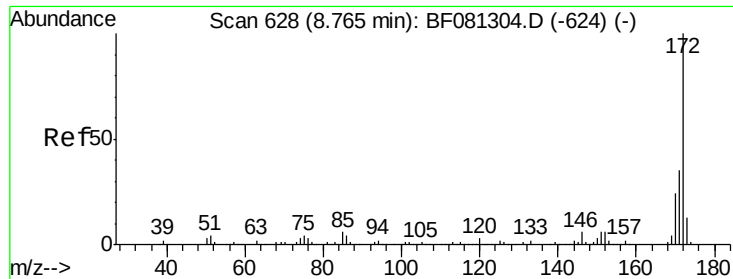


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

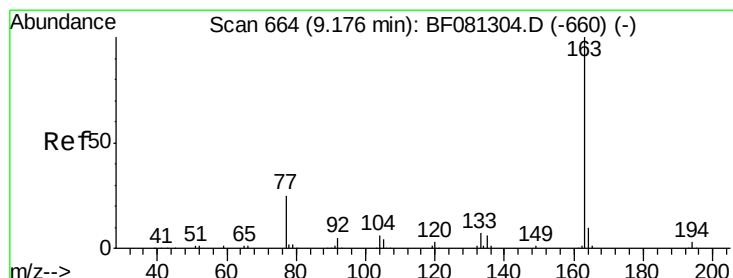
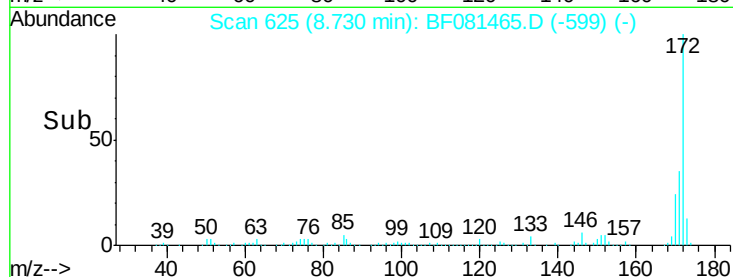
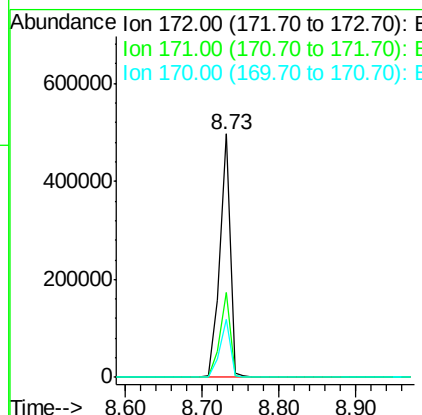
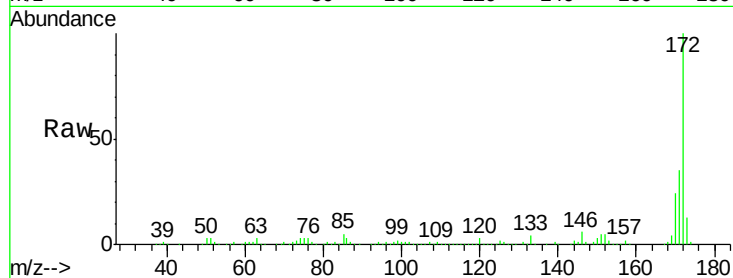




#44  
2-Fluorobiphenyl  
Concen: 58.58 ng  
RT: 8.73 min Scan# 625  
Delta R.T. 0.00 min  
Lab File: BF081465.D  
Acq: 5 Sep 2015 15:18

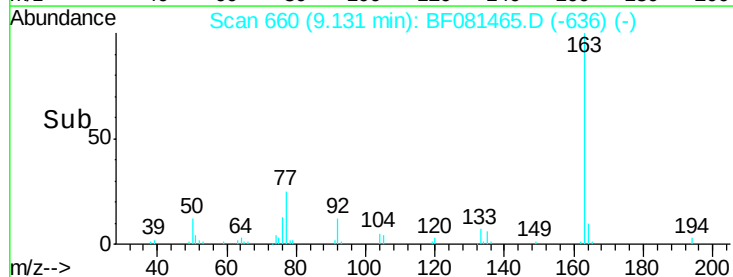
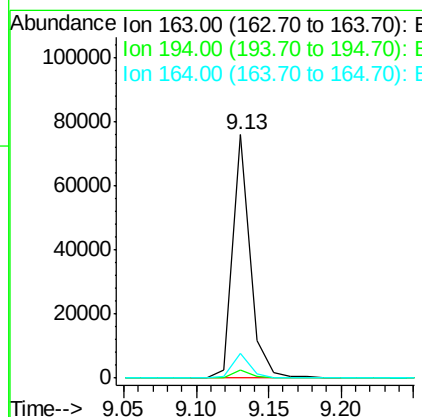
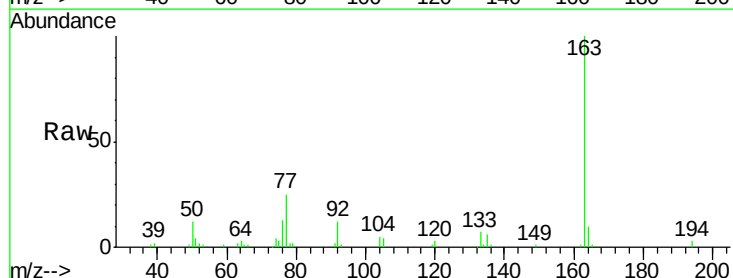
Instrument :  
BNA\_F  
ClientSampleId :

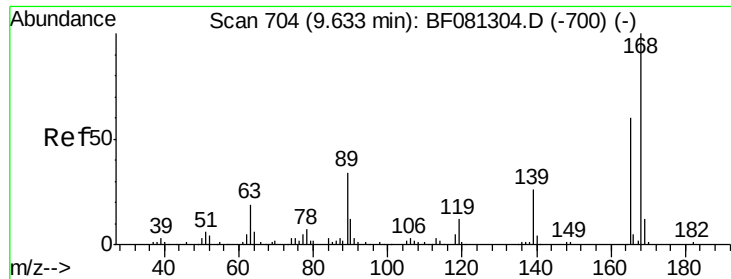
Tot Ion:172 Resp: 464962  
Ion Ratio Lower Upper  
172 100  
171 35.0 26.1 39.1  
170 23.7 17.4 26.2



#49  
Dimethylphthalate  
Concen: 8.09 ng  
RT: 9.13 min Scan# 660  
Delta R.T. -0.02 min  
Lab File: BF081465.D  
Acq: 5 Sep 2015 15:18

Tgt Ion:163 Resp: 63943  
Ion Ratio Lower Upper  
163 100  
194 3.2 4.4 6.6#  
164 10.0 8.3 12.5

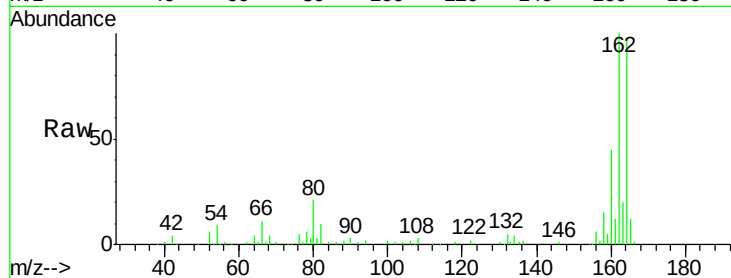




#56  
 2,4-Dinitrotoluene  
 Concen: 5.41 ng  
 RT: 9.38 min Scan# 682  
 Delta R.T. -0.22 min  
 Lab File: BF081465.D  
 Acq: 5 Sep 2015 15:18

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 165   | Resp: | 12351 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.0   | 29.8  | 44.6# |
| 89       | 0.0   | 44.5  | 66.7# |
| 182      | 0.0   | 3.0   | 4.4#  |

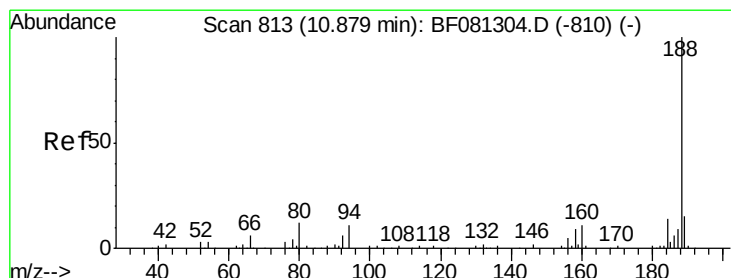
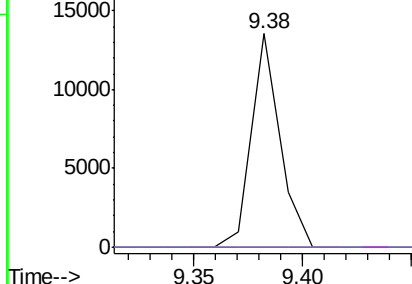
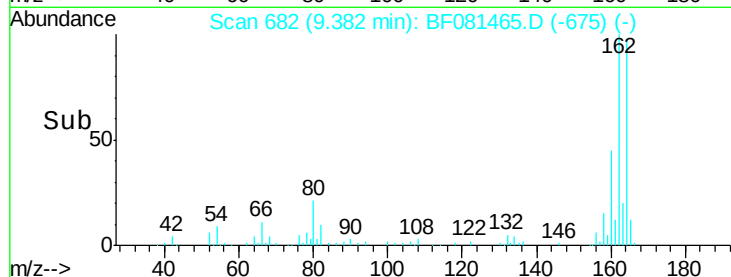


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

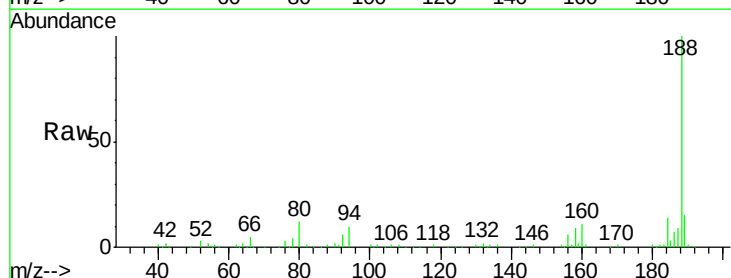
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 10.85 min Scan# 810  
 Delta R.T. -0.01 min  
 Lab File: BF081465.D  
 Acq: 5 Sep 2015 15:18

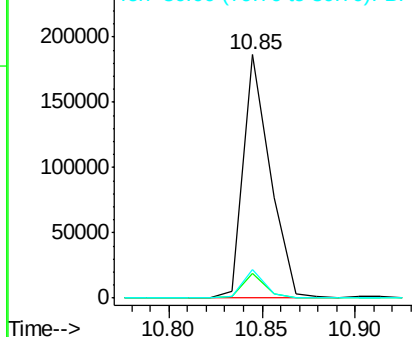
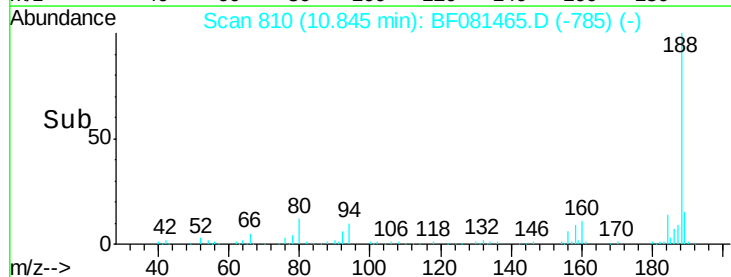
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 187197 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 10.3  | 11.1  | 16.7#  |
| 80       | 11.6  | 11.0  | 16.4   |



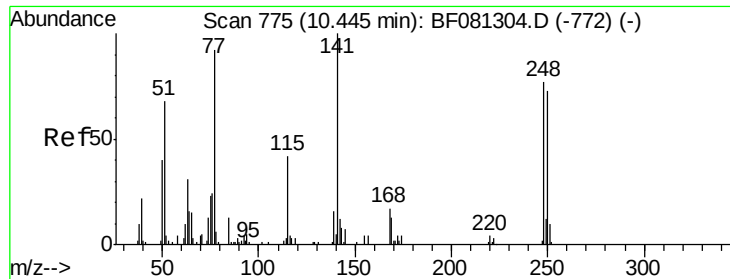
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



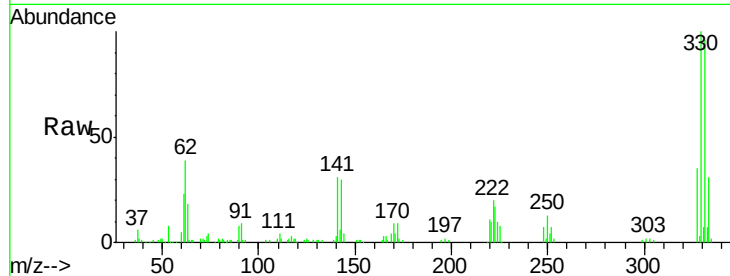




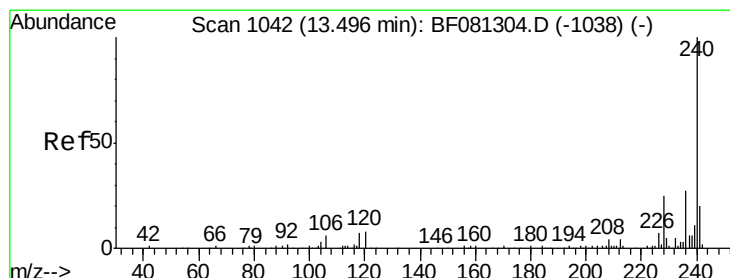
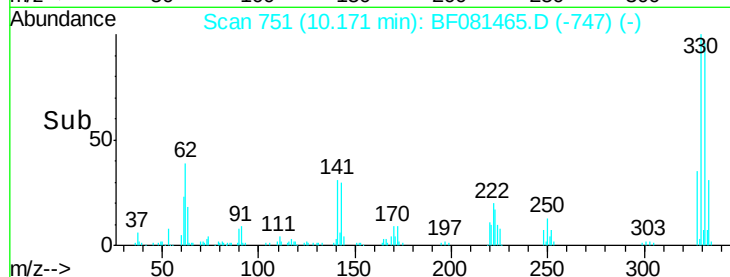
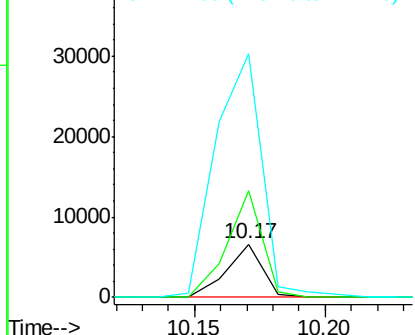
#66  
4-Bromophenyl-phenylether  
Concen: 3.37 ng  
RT: 10.17 min Scan# 751  
Delta R.T. -0.25 min  
Lab File: BF081465.D  
Acq: 5 Sep 2015 15:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 6379  
Ion Ratio Lower Upper  
248 100  
250 200.7 78.5 117.7#  
141 458.0 59.0 88.6#

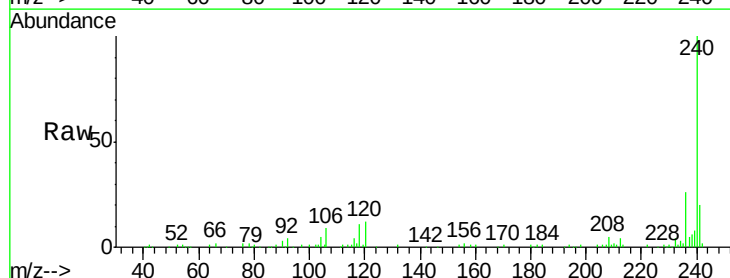


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

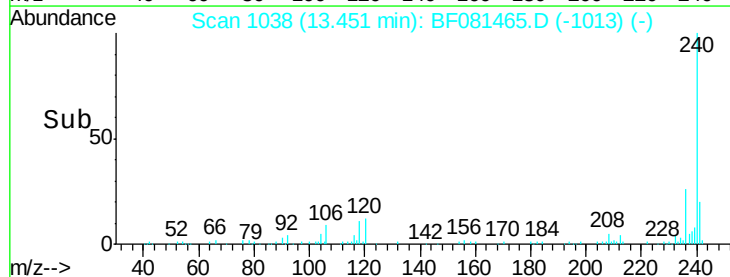
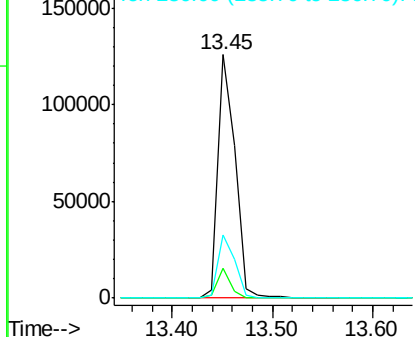


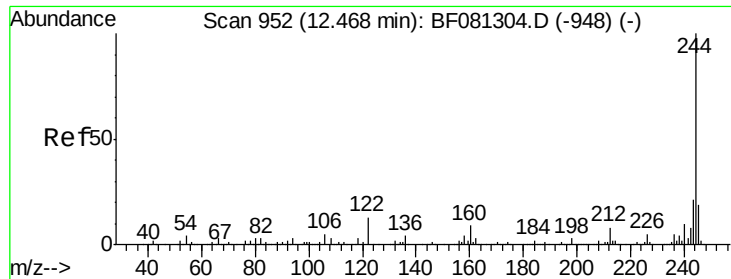
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.45 min Scan# 1038  
Delta R.T. -0.01 min  
Lab File: BF081465.D  
Acq: 5 Sep 2015 15:18

Tgt Ion:240 Resp: 149854  
Ion Ratio Lower Upper  
240 100  
120 12.1 16.2 24.2#  
236 25.9 18.4 27.6



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

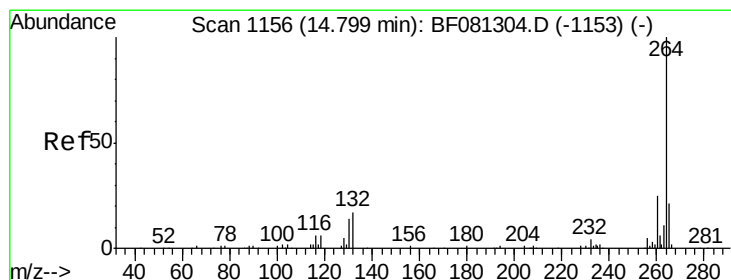
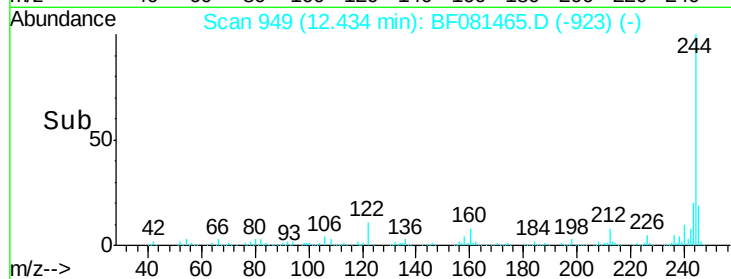
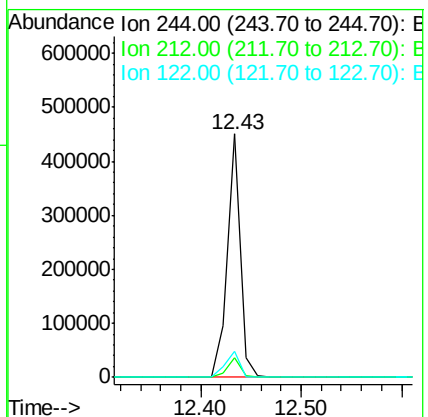
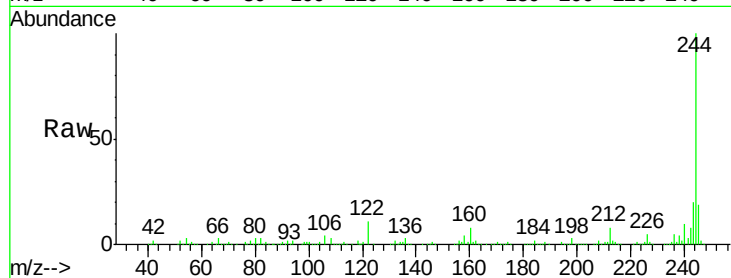




#78  
 Terphenyl-d14  
 Concen: 62.91 ng  
 RT: 12.43 min Scan# 949  
 Delta R.T. 0.00 min  
 Lab File: BF081465.D  
 Acq: 5 Sep 2015 15:18

Instrument :  
 BNA\_F  
 ClientSampleID :

Tot Ion:244 Resp: 404992  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 4.3 6.5#  
 122 10.7 17.4 26.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.77 min Scan# 1153  
 Delta R.T. 0.00 min  
 Lab File: BF081465.D  
 Acq: 5 Sep 2015 15:18

Tgt Ion:264 Resp: 113236  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 16.7 25.1  
 265 20.8 17.2 25.8

