

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082115\  
 Data File : BF081156.D  
 Acq On : 21 Aug 2015 20:47  
 Operator : UM/IZ  
 Sample : G3363-11  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-C2

Quant Time: Aug 21 23:31:34 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 21 23:26:22 2015  
 Response via : Initial Calibration

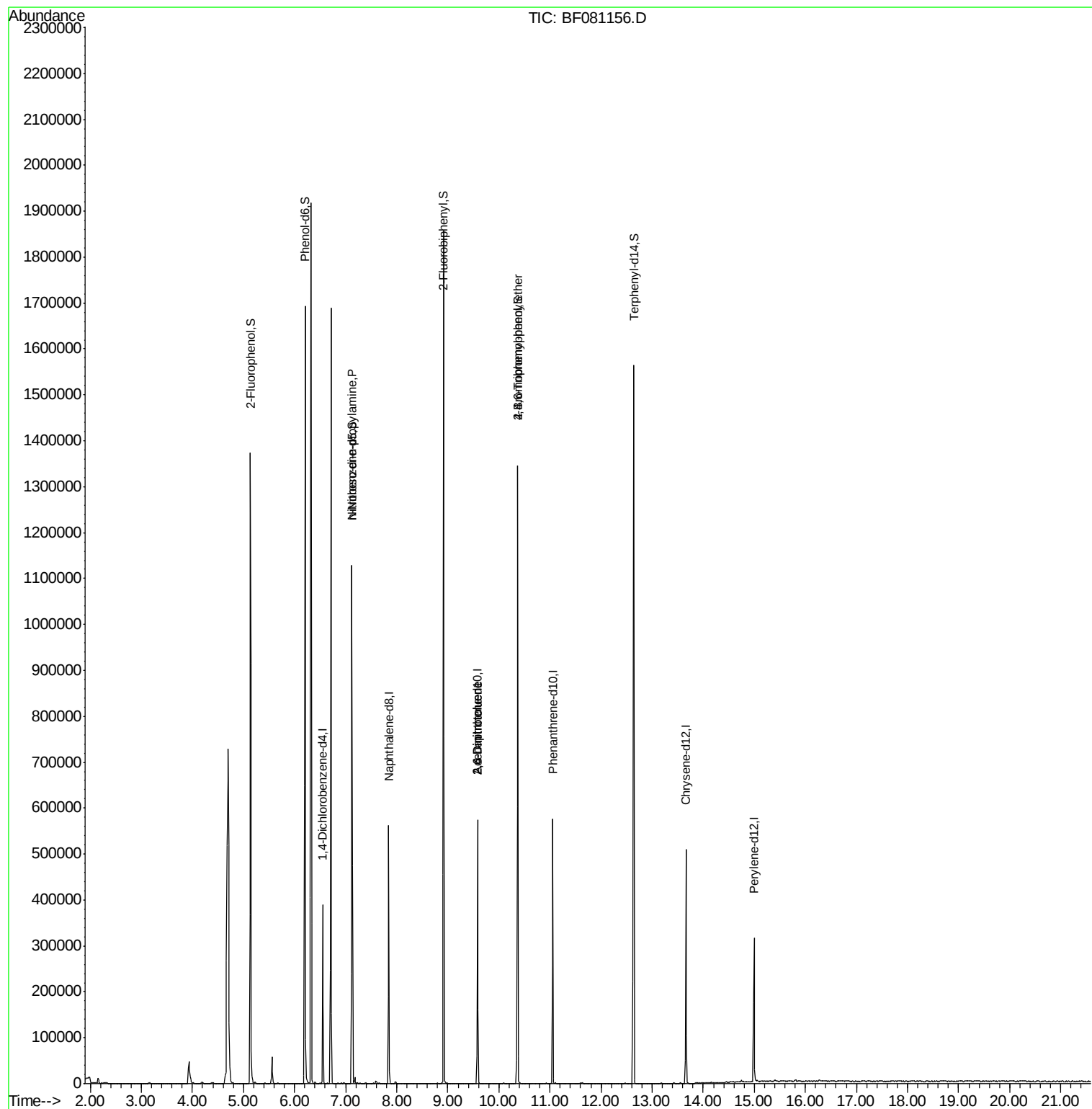
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.55  | 152  | 60149    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 7.84  | 136  | 252276   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.58  | 164  | 112528   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.05 | 188  | 238894   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.66 | 240  | 166765   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.00 | 264  | 130677   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.13  | 112  | 484439   | 121.14 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.21  | 99   | 560405   | 107.40 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.12  | 82   | 425956   | 77.13  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.37 | 330  | 126870   | 130.06 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 8.92  | 172  | 709548   | 82.62  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.64 | 244  | 751662   | 96.63  | ng    | 0.01     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.12  | 70   | 55772    | 15.43  | ng    | # 70     |
| 50) 2,6-Dinitrotoluene         | 9.58  | 165  | 14449    | 7.26   | ng    | # 22     |
| 56) 2,4-Dinitrotoluene         | 9.58  | 165  | 14449    | 5.48   | ng    | # 17     |
| 66) 4-Bromophenyl-phenylether  | 10.37 | 248  | 10231    | 4.36   | ng    | # 1      |

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

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Misc :  
ALS Vial : 13 Sample Multiplier: 1

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TEC-C2

Quant Time: Aug 21 23:31:34 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 21 23:26:22 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF081156.D

Acq: 21 Aug 2015 20:47

Instrument :

BNA\_F

ClientSampleId :

TEC-C2

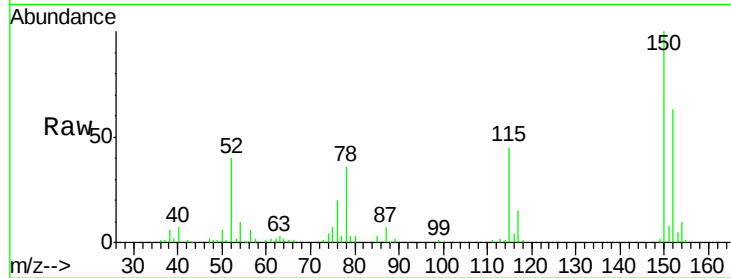
Tot Ion:152 Resp: 60149

Ion Ratio Lower Upper

152 100

150 157.9 123.8 185.6

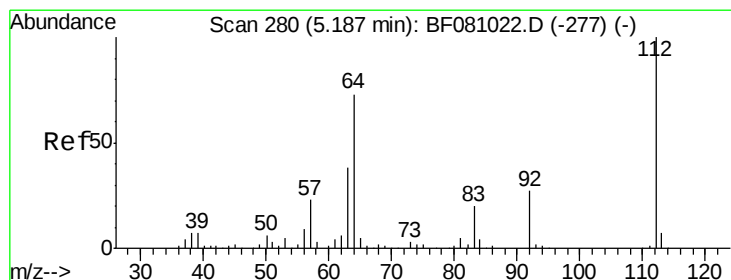
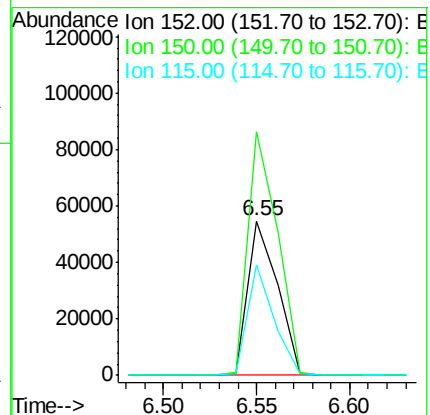
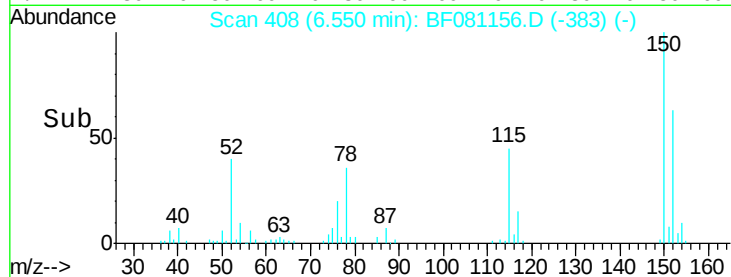
115 71.8 52.1 78.1



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: 121.14 ng

RT: 5.13 min Scan# 284

Delta R.T. 0.02 min

Lab File: BF081156.D

Acq: 21 Aug 2015 20:47

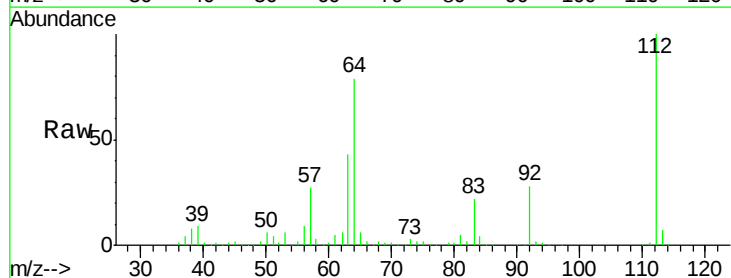
Tgt Ion:112 Resp: 484439

Ion Ratio Lower Upper

112 100

64 79.1 66.9 100.3

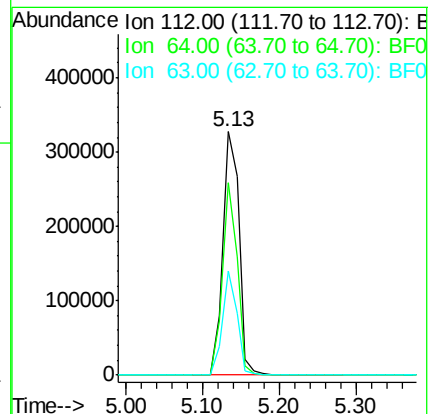
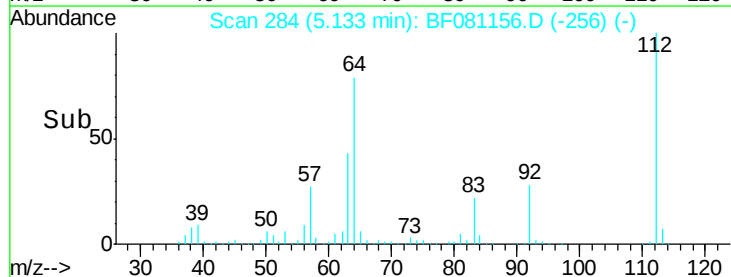
63 42.8 38.1 57.1



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: 107.40 ng

RT: 6.21 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF081156.D

Acq: 21 Aug 2015 20:47

Instrument :

BNA\_F

ClientSampleId :

TEC-C2

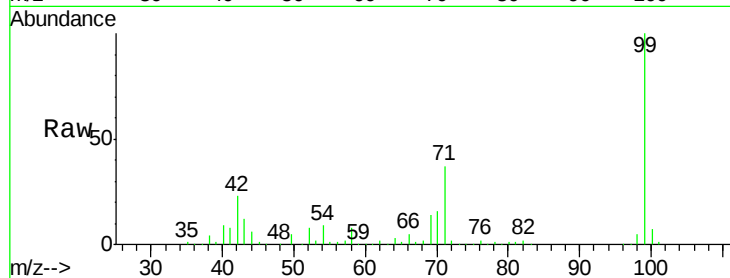
Tot Ion: 99 Resp: 560405

Ion Ratio Lower Upper

99 100

42 23.4 19.6 29.4

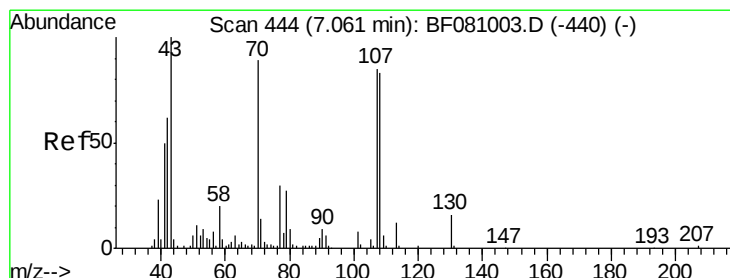
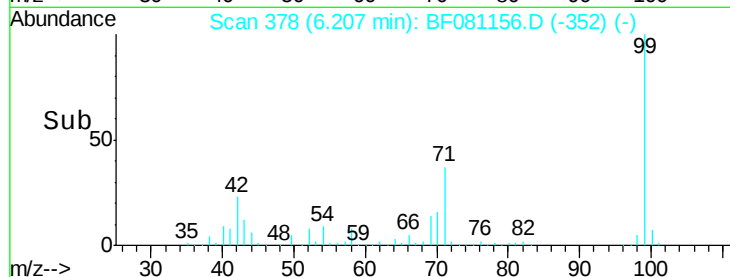
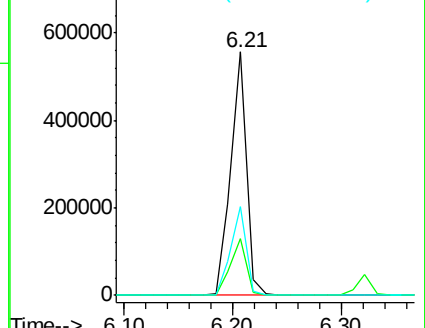
71 36.6 31.2 46.8



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: 15.43 ng

RT: 7.12 min Scan# 458

Delta R.T. 0.13 min

Lab File: BF081156.D

Acq: 21 Aug 2015 20:47

Tgt Ion: 70 Resp: 55772

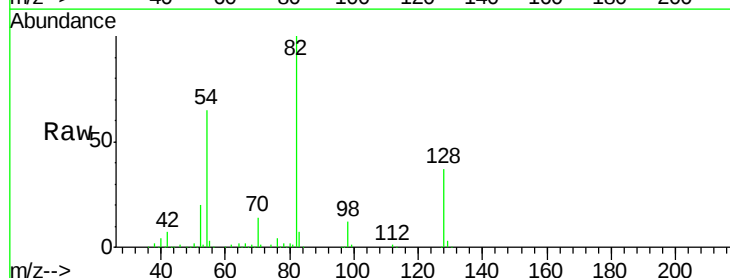
Ion Ratio Lower Upper

70 100

42 55.2 65.0 97.4#

101 0.0 7.4 11.2#

130 2.0 13.0 19.4#

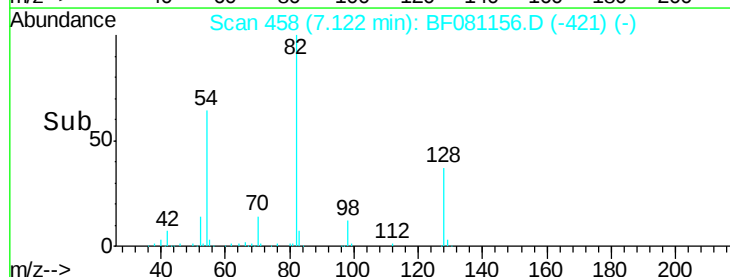
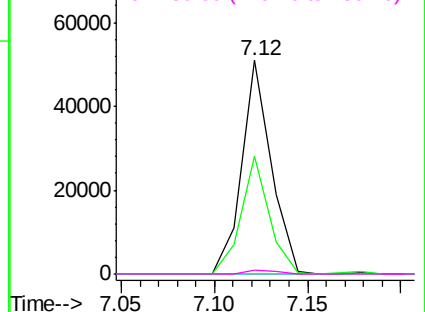


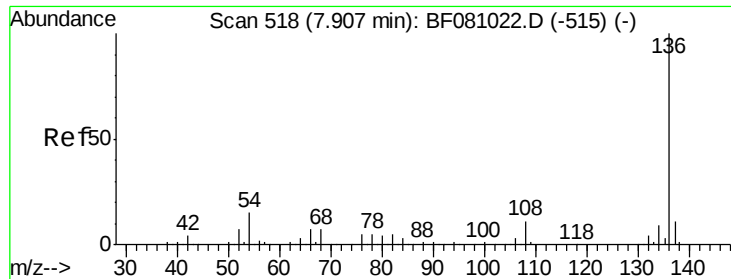
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

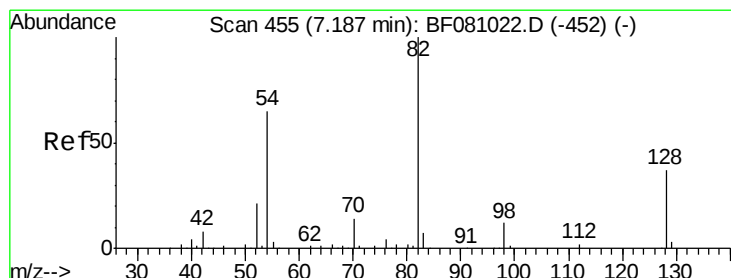
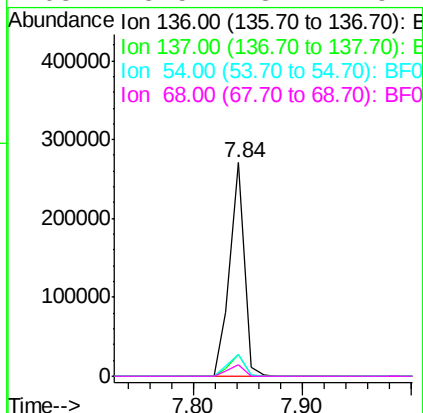
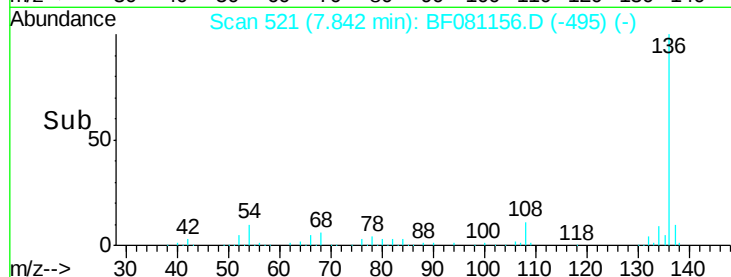
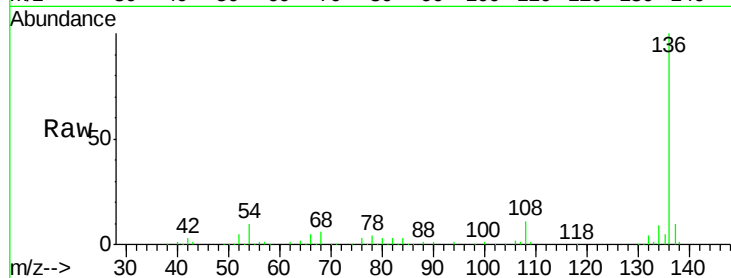




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.84 min Scan# 521  
Delta R.T. -0.00 min  
Lab File: BF081156.D  
Acq: 21 Aug 2015 20:47

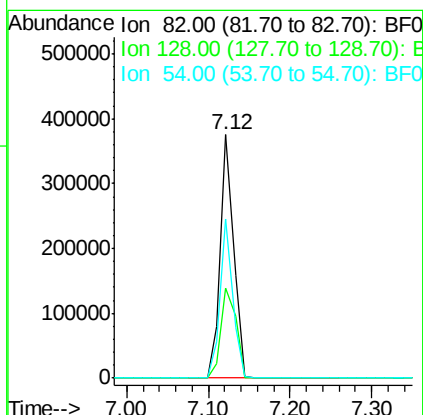
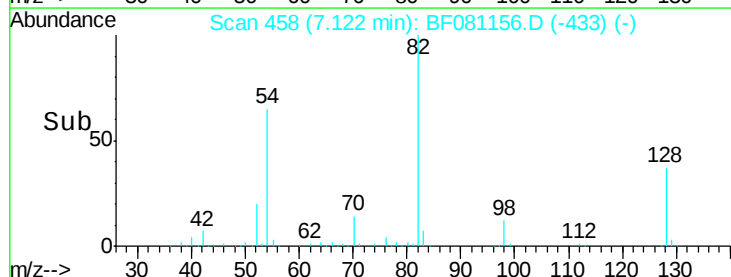
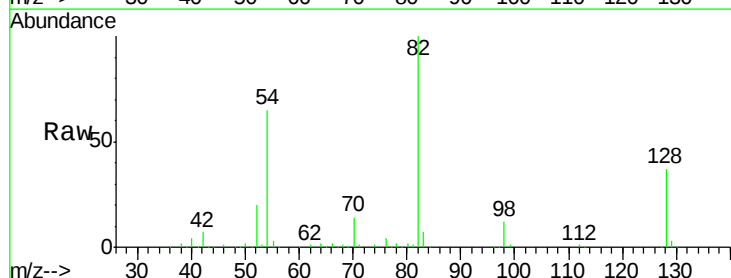
Instrument :  
BNA\_F  
ClientSampleId :  
TEC-C2

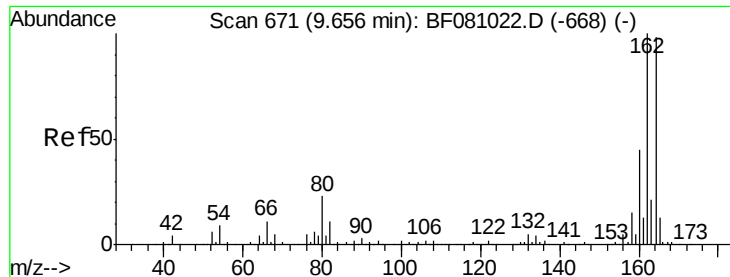
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 252276      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.4  | 8.2 12.2    |
| 54          | 10.3  | 7.7 11.5    |
| 68          | 5.5   | 3.4 5.2#    |



#23  
Nitrobenzene-d5  
Concen: 77.13 ng  
RT: 7.12 min Scan# 458  
Delta R.T. -0.01 min  
Lab File: BF081156.D  
Acq: 21 Aug 2015 20:47

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 425956      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 37.0  | 28.6 42.8   |
| 54          | 65.3  | 55.1 82.7   |

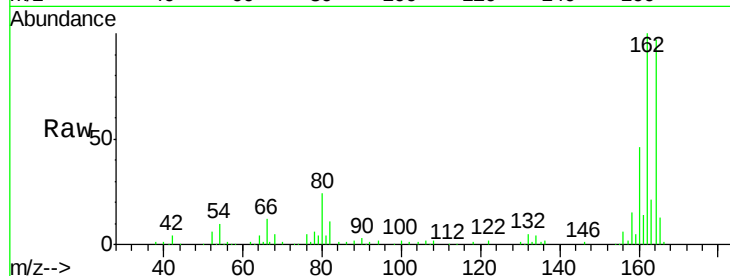




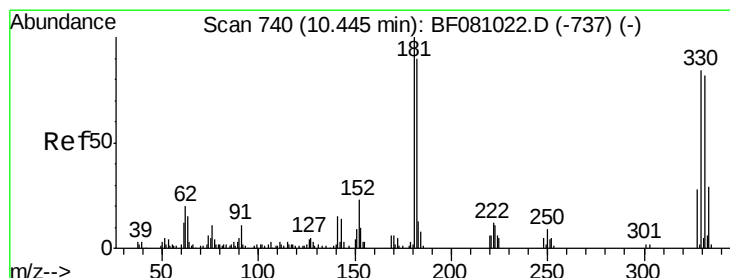
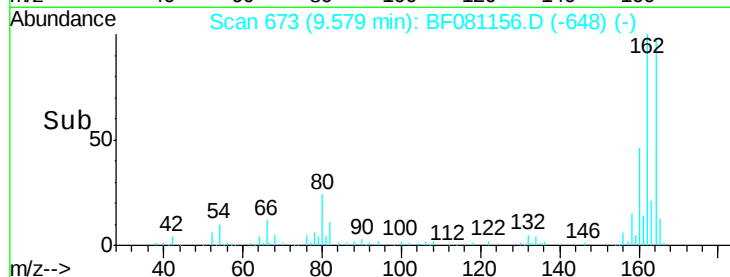
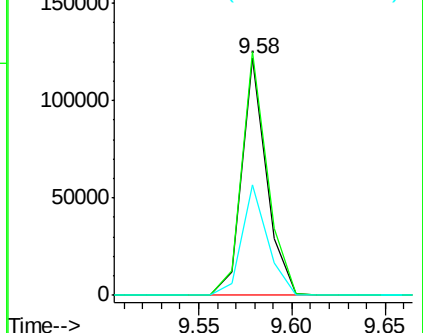
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.58 min Scan# 673  
 Delta R.T. -0.01 min  
 Lab File: BF081156.D  
 Acq: 21 Aug 2015 20:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-C2

Tot Ion:164 Resp: 112528  
 Ion Ratio Lower Upper  
 164 100  
 162 102.7 83.8 125.8  
 160 46.7 39.8 59.8

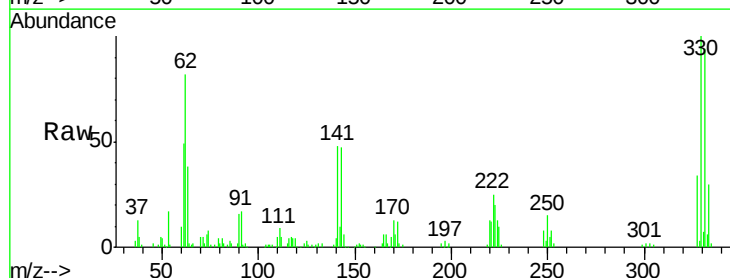


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

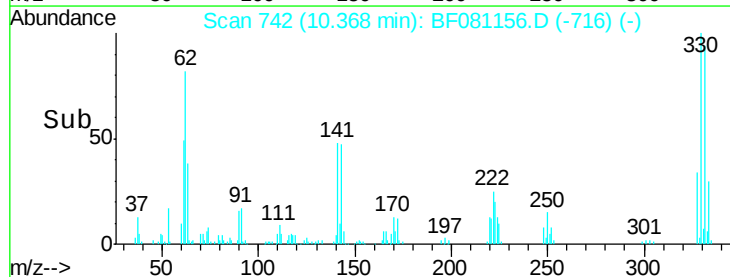
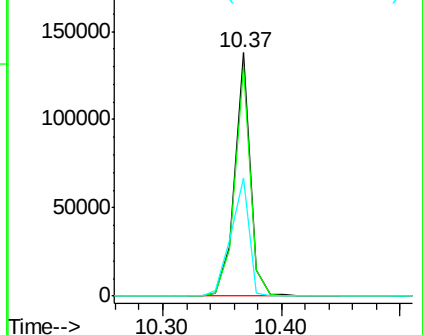


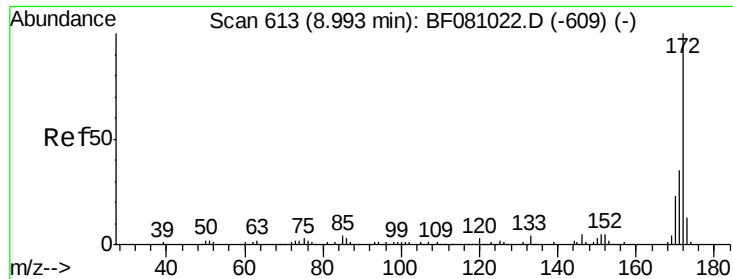
#41  
 2,4,6-Tribromophenol  
 Concen: 130.06 ng  
 RT: 10.37 min Scan# 742  
 Delta R.T. -0.00 min  
 Lab File: BF081156.D  
 Acq: 21 Aug 2015 20:47

Tgt Ion:330 Resp: 126870  
 Ion Ratio Lower Upper  
 330 100  
 332 95.0 77.3 115.9  
 141 55.7 44.9 67.3



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

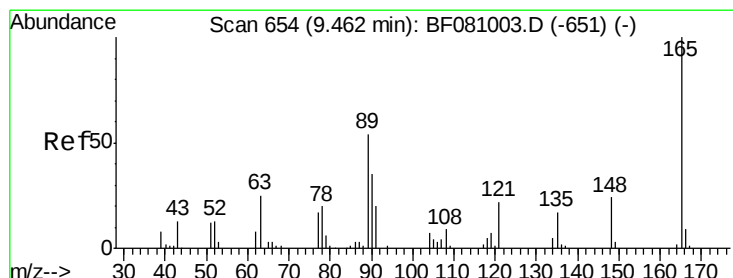
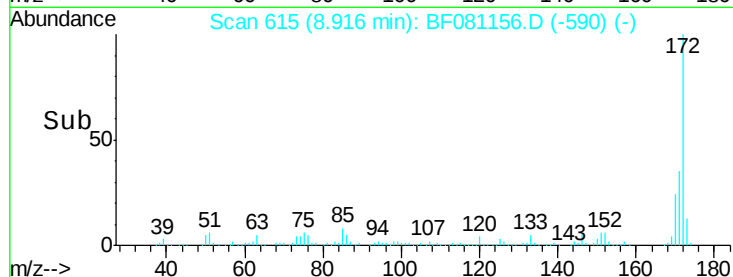
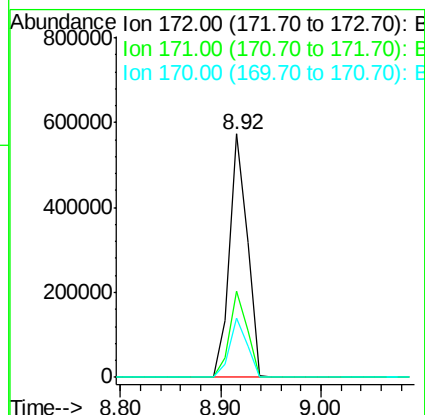
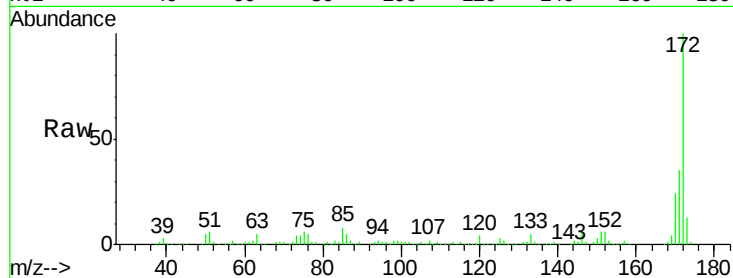




#44  
 2-Fluorobiphenyl  
 Concen: 82.62 ng  
 RT: 8.92 min Scan# 615  
 Delta R.T. -0.01 min  
 Lab File: BF081156.D  
 Acq: 21 Aug 2015 20:47

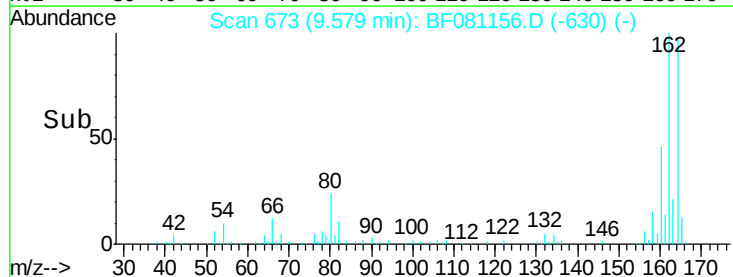
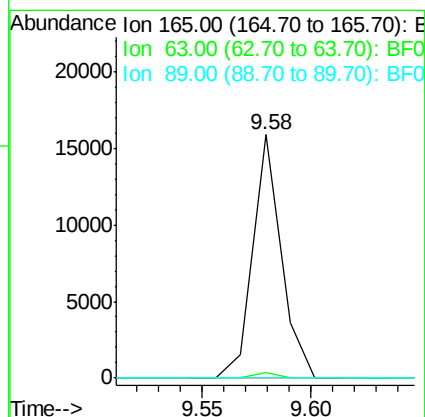
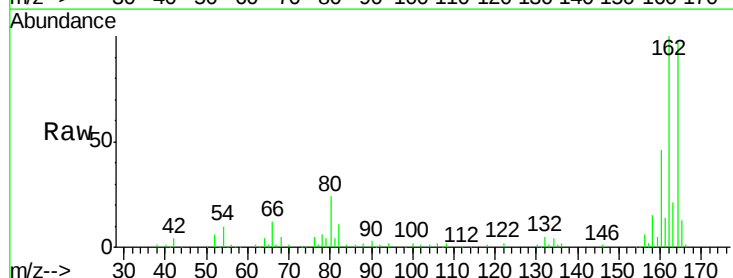
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-C2

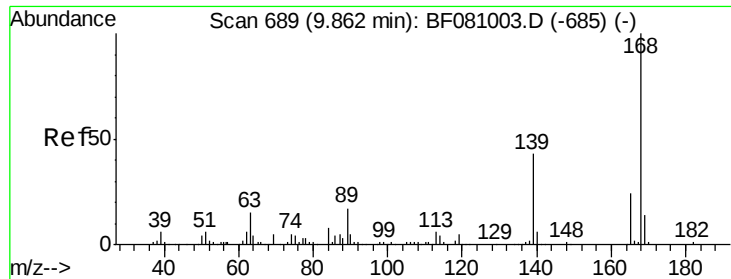
Tot Ion:172 Resp: 709548  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 28.9 43.3  
 170 24.3 19.4 29.2



#50  
 2,6-Dinitrotoluene  
 Concen: 7.26 ng  
 RT: 9.58 min Scan# 673  
 Delta R.T. 0.19 min  
 Lab File: BF081156.D  
 Acq: 21 Aug 2015 20:47

Tgt Ion:165 Resp: 14449  
 Ion Ratio Lower Upper  
 165 100  
 63 2.1 49.5 74.3#  
 89 0.0 47.6 71.4#

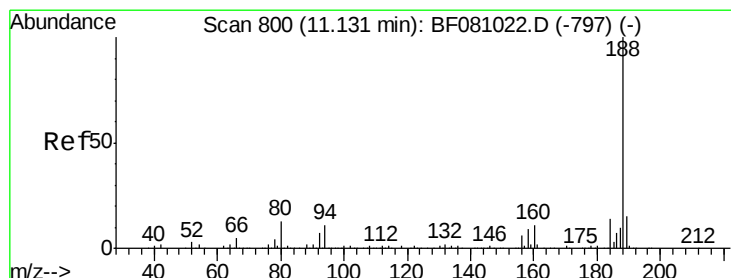
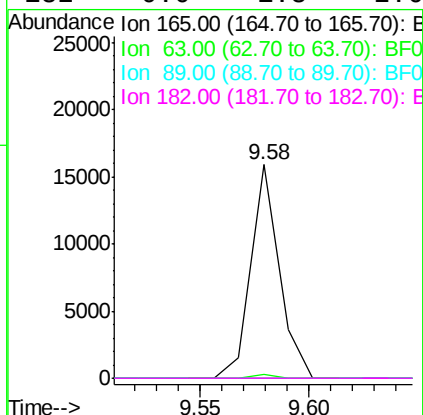
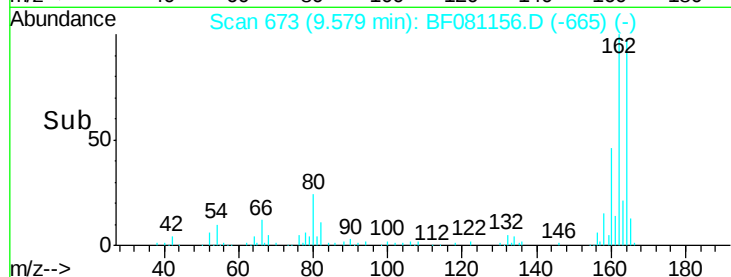
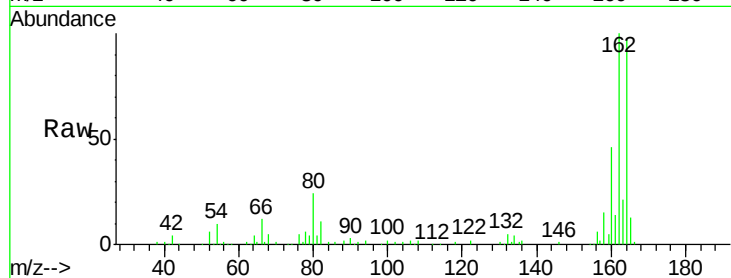




#56  
 2,4-Dinitrotoluene  
 Concen: 5.48 ng  
 RT: 9.58 min Scan# 673  
 Delta R.T. -0.21 min  
 Lab File: BF081156.D  
 Acq: 21 Aug 2015 20:47

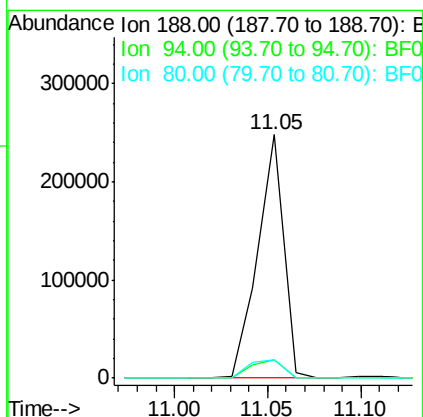
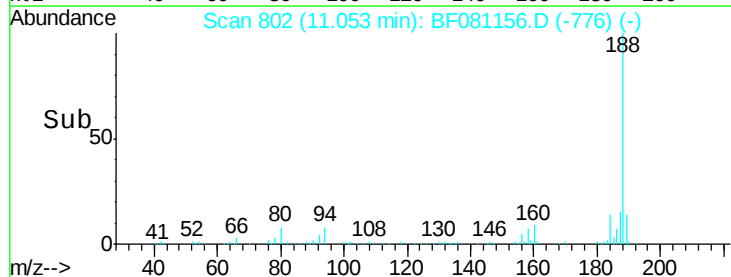
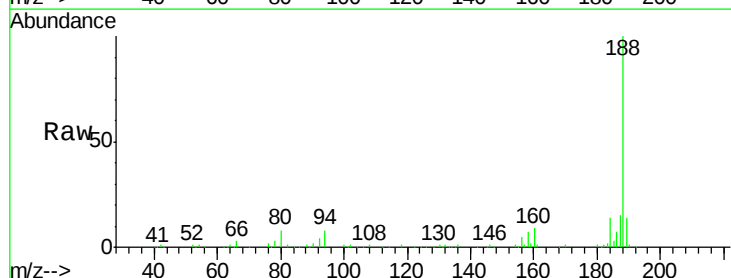
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-C2

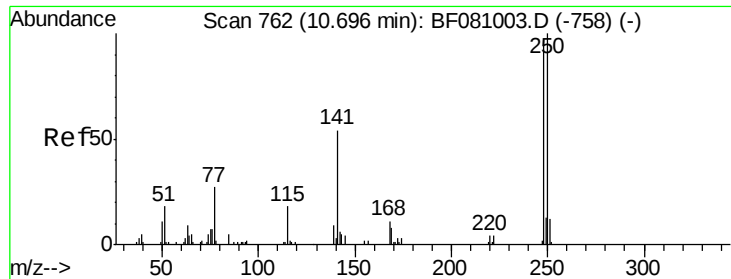
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.1   | 52.2  | 78.4# |
| 89      | 0.0   | 60.1  | 90.1# |
| 182     | 0.0   | 1.8   | 2.6#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.05 min Scan# 802  
 Delta R.T. -0.00 min  
 Lab File: BF081156.D  
 Acq: 21 Aug 2015 20:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.6   | 8.2   | 12.2# |
| 80      | 7.6   | 9.5   | 14.3# |

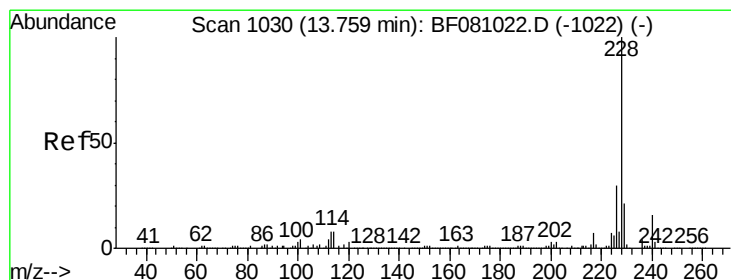
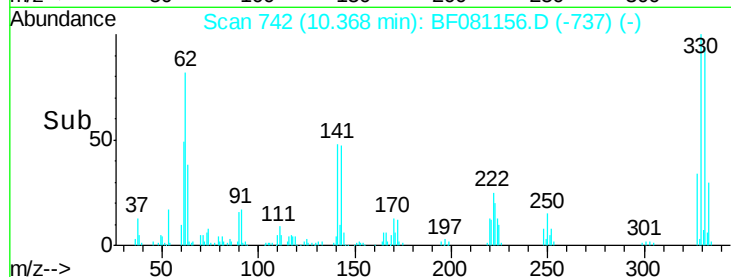
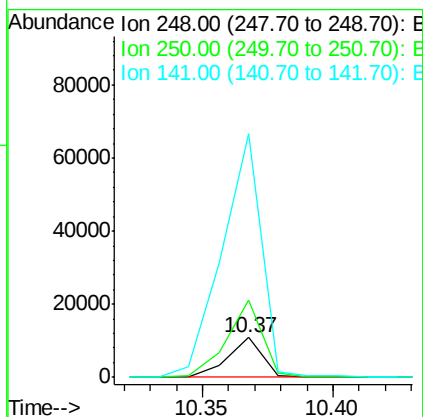
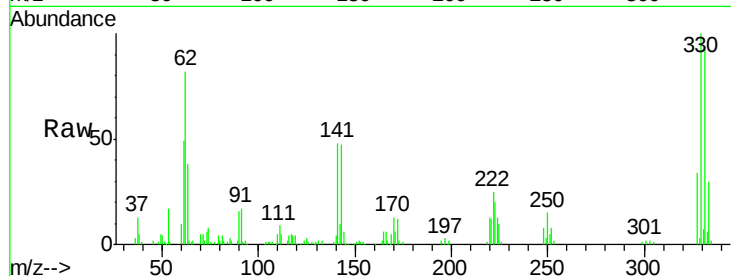




#66  
4-Bromophenyl-phenylether  
Concen: 4.36 ng  
RT: 10.37 min Scan# 742  
Delta R.T. -0.24 min  
Lab File: BF081156.D  
Acq: 21 Aug 2015 20:47

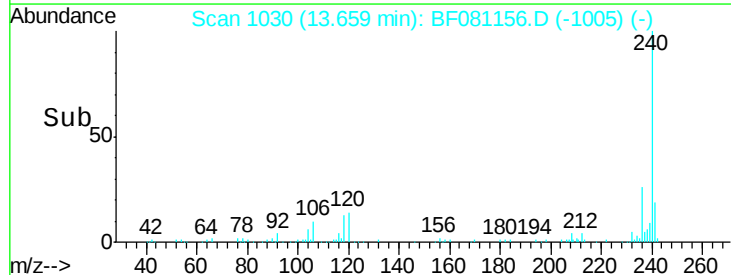
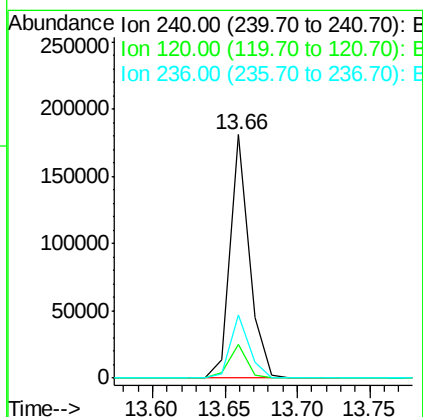
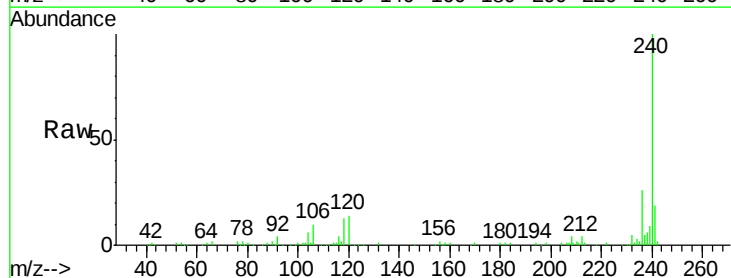
Instrument :  
BNA\_F  
ClientSampled :  
TEC-C2

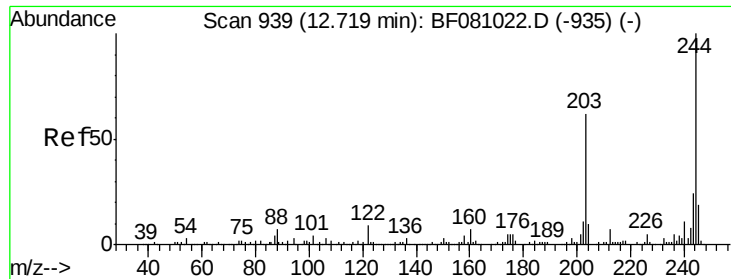
Tot Ion:248 Resp: 10231  
Ion Ratio Lower Upper  
248 100  
250 192.2 77.8 116.6#  
141 608.0 39.8 59.6#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.66 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: BF081156.D  
Acq: 21 Aug 2015 20:47

Tgt Ion:240 Resp: 166765  
Ion Ratio Lower Upper  
240 100  
120 13.9 5.6 8.4#  
236 26.2 20.6 30.8

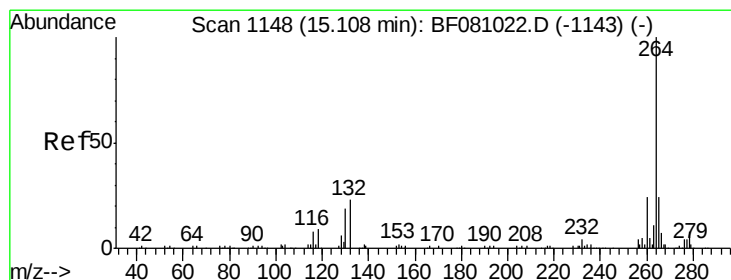
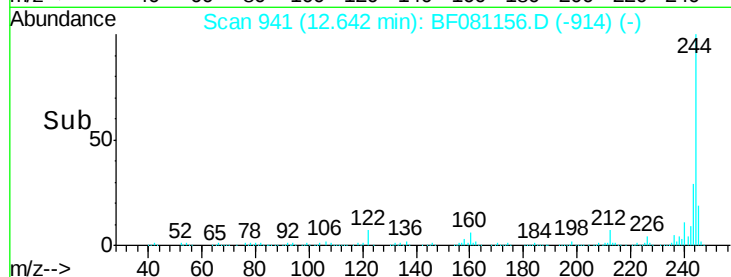
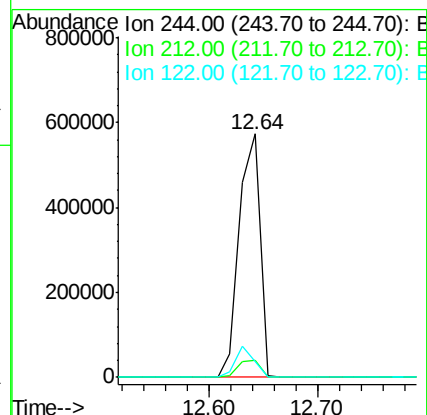
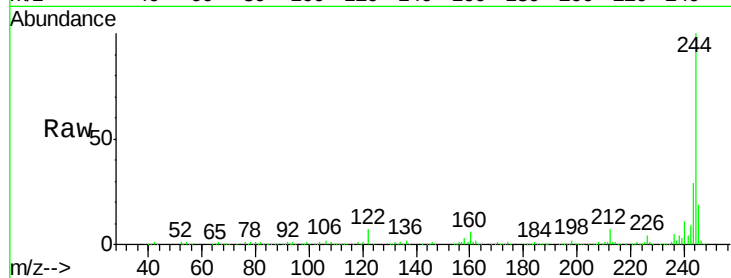




#78  
 Terphenyl-d14  
 Concen: 96.63 ng  
 RT: 12.64 min Scan# 941  
 Delta R.T. 0.01 min  
 Lab File: BF081156.D  
 Acq: 21 Aug 2015 20:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-C2

Tot Ion:244 Resp: 751662  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.8 8.8  
 122 6.6 8.2 12.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.00 min Scan# 1147  
 Delta R.T. -0.00 min  
 Lab File: BF081156.D  
 Acq: 21 Aug 2015 20:47

Tgt Ion:264 Resp: 130677  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.6 29.4  
 265 20.9 17.5 26.3

