

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082615\  
 Data File : BF081227.D  
 Acq On : 26 Aug 2015 22:50  
 Operator : UM/IZ  
 Sample : G3433-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 27 00:45:09 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 24 13:58:19 2015  
 Response via : Initial Calibration

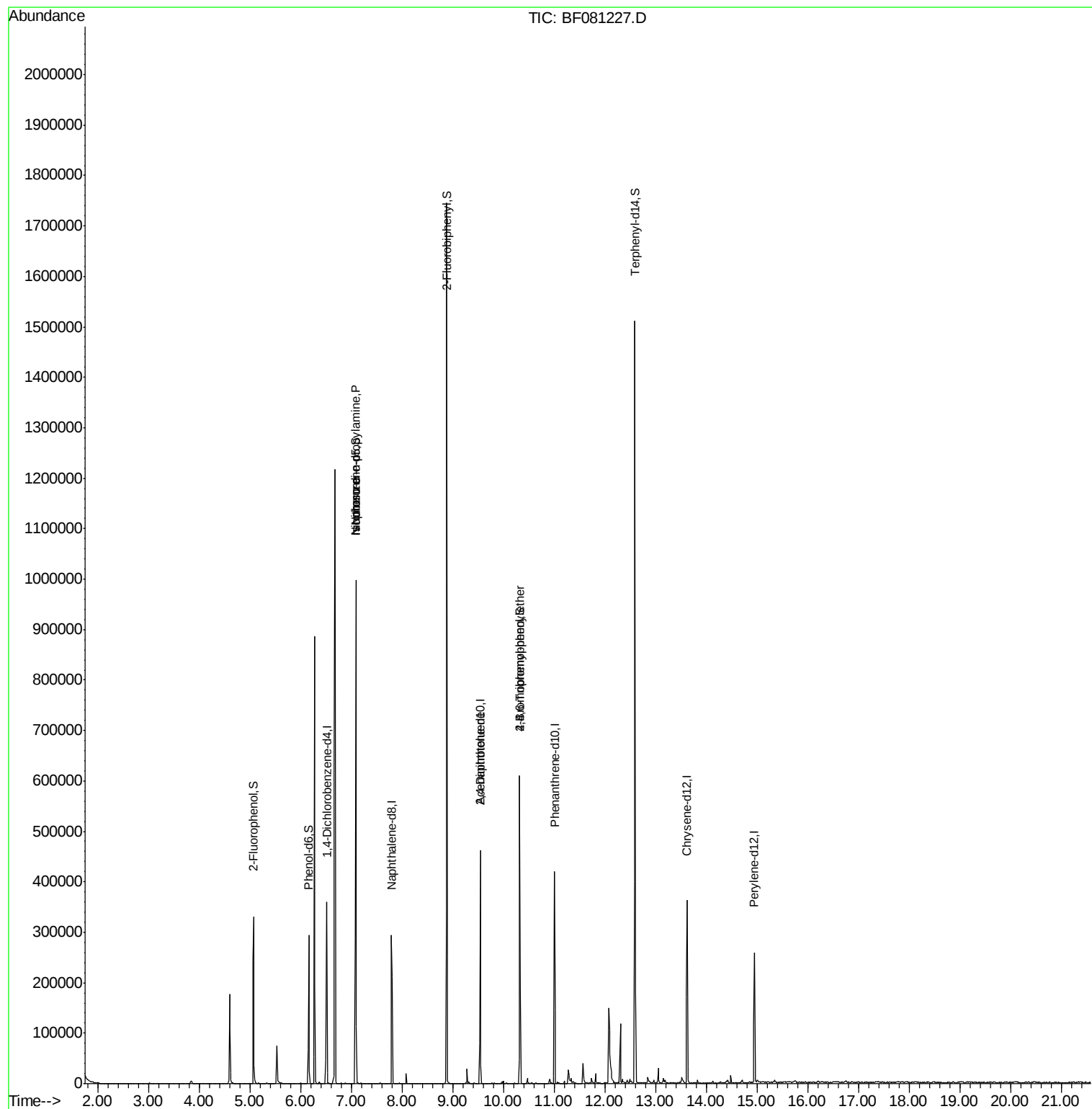
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.51  | 152  | 47347    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.79  | 136  | 170239   | 20.00 | ng    | -0.04    |
| 38) Acenaphthene-d10           | 9.54  | 164  | 84461    | 20.00 | ng    | -0.04    |
| 63) Phenanthrene-d10           | 11.01 | 188  | 162205   | 20.00 | ng    | -0.04    |
| 75) Chrysene-d12               | 13.62 | 240  | 141990   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12               | 14.95 | 264  | 104620   | 20.00 | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.07  | 112  | 112344   | 35.69 | ng    | -0.02    |
| 7) Phenol-d6                   | 6.16  | 99   | 97375    | 23.71 | ng    | -0.04    |
| 23) Nitrobenzene-d5            | 7.09  | 82   | 324392   | 87.05 | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol       | 10.32 | 330  | 56474    | 77.14 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl           | 8.88  | 172  | 526497   | 81.68 | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.59 | 244  | 447470   | 67.56 | ng    | -0.04    |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.09  | 70   | 43366    | 15.24 | ng    | # 70     |
| 25) Isophorone                 | 7.09  | 82   | 257209   | 37.01 | ng    | # 71     |
| 56) 2,4-Dinitrotoluene         | 9.54  | 165  | 10412    | 5.26  | ng    | # 16     |
| 66) 4-Bromophenyl-phenylether  | 10.32 | 248  | 4224     | 2.65  | ng    | # 1      |

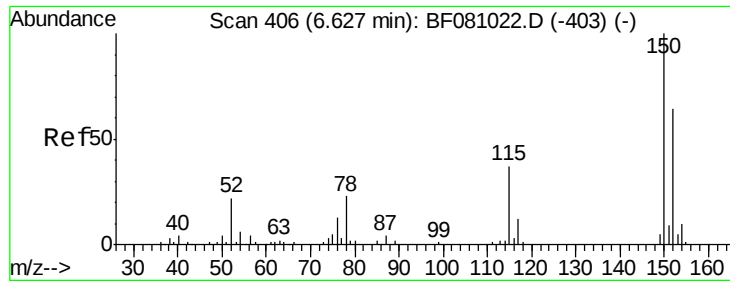
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082615\  
Data File : BF081227.D  
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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
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Quant Time: Aug 27 00:45:09 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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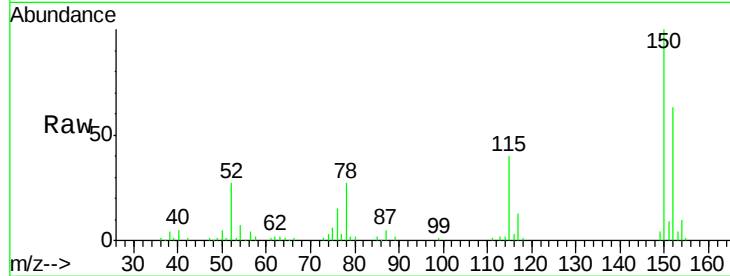


#1

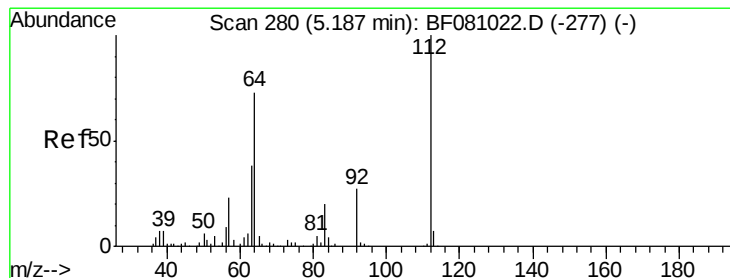
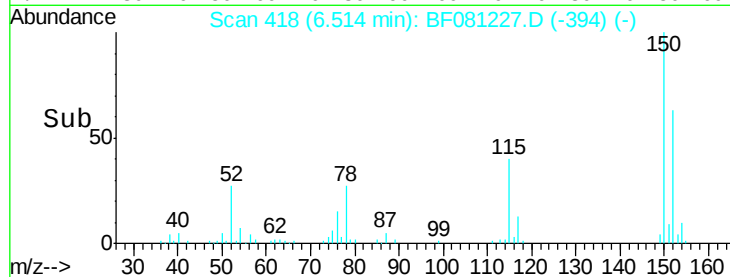
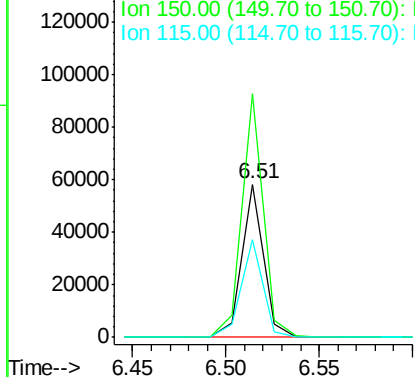
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.51 min Scan# 418  
Delta R.T. -0.02 min  
Lab File: BF081227.D  
Acq: 26 Aug 2015 22:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 47347  
Ion Ratio Lower Upper  
152 100  
150 158.7 123.8 185.6  
115 63.8 52.1 78.1



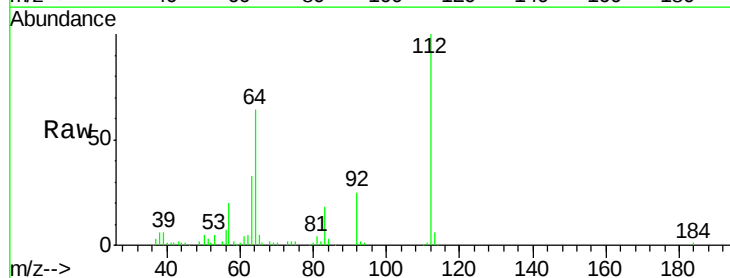
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



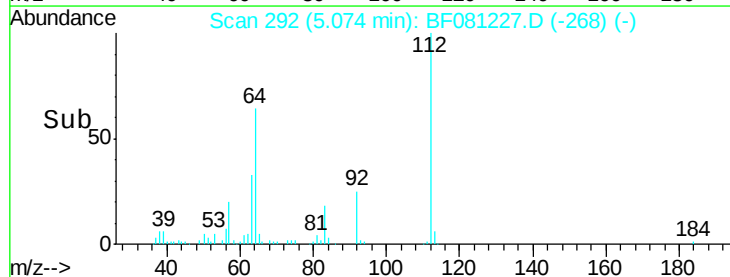
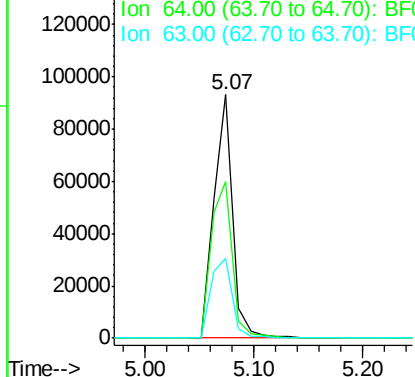
#5

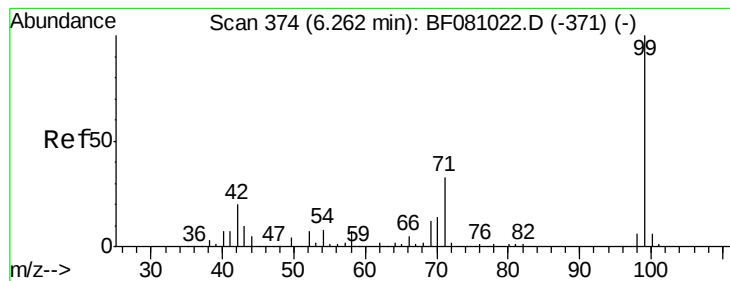
2-Fluorophenol  
Concen: 35.69 ng  
RT: 5.07 min Scan# 292  
Delta R.T. -0.02 min  
Lab File: BF081227.D  
Acq: 26 Aug 2015 22:50

Tgt Ion:112 Resp: 112344  
Ion Ratio Lower Upper  
112 100  
64 64.2 66.9 100.3#  
63 32.9 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: 23.71 ng

RT: 6.16 min Scan# 387

Delta R.T. -0.04 min

Lab File: BF081227.D

Acq: 26 Aug 2015 22:50

Instrument :

BNA\_F

ClientSampleId :

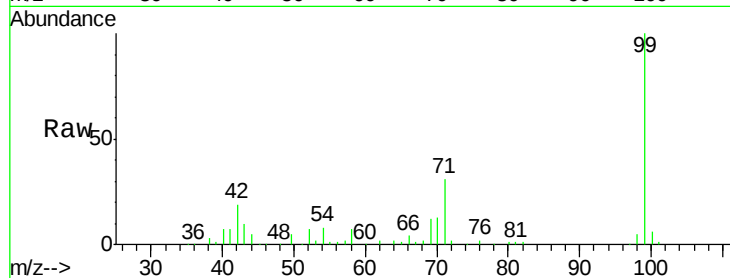
Tot Ion: 99 Resp: 97375

Ion Ratio Lower Upper

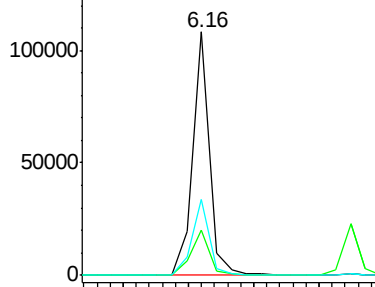
99 100

42 18.8 19.6 29.4#

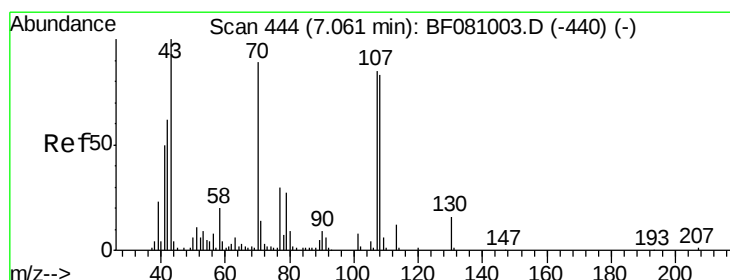
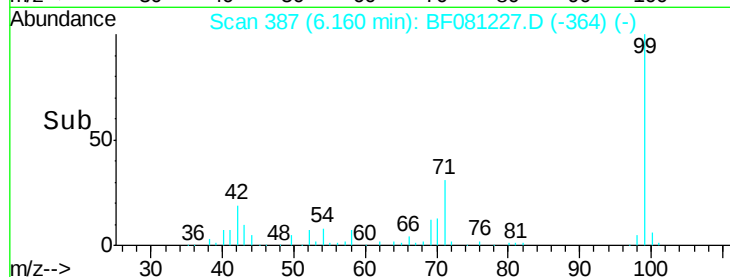
71 31.4 31.2 46.8



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



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 15.24 ng

RT: 7.09 min Scan# 468

Delta R.T. 0.10 min

Lab File: BF081227.D

Acq: 26 Aug 2015 22:50

Tgt Ion: 70 Resp: 43366

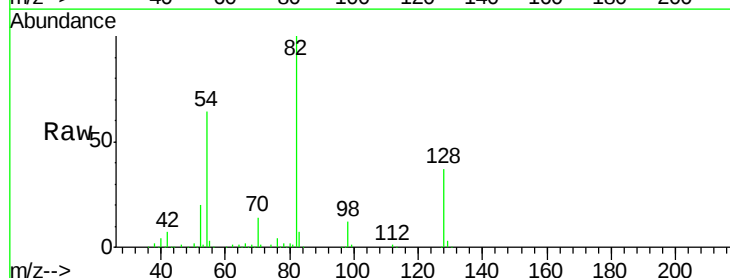
Ion Ratio Lower Upper

70 100

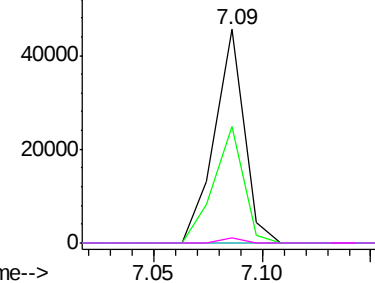
42 54.6 65.0 97.4#

101 0.0 7.4 11.2#

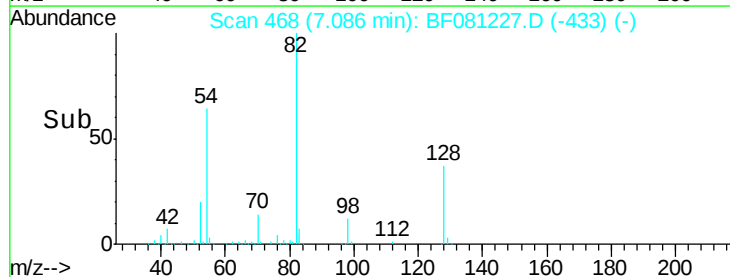
130 2.2 13.0 19.4#

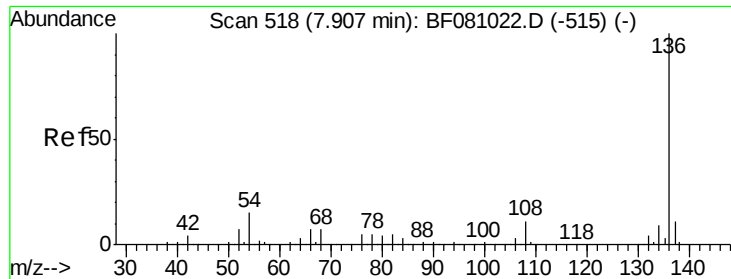


Abundance Ion 70.00 (69.70 to 70.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 101.00 (100.70 to 101.70): BF0  
Ion 130.00 (129.70 to 130.70): BF0



Time-->

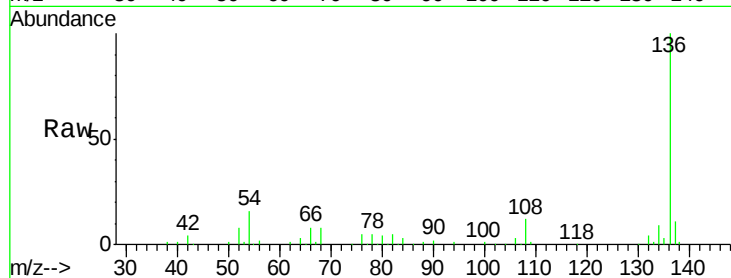




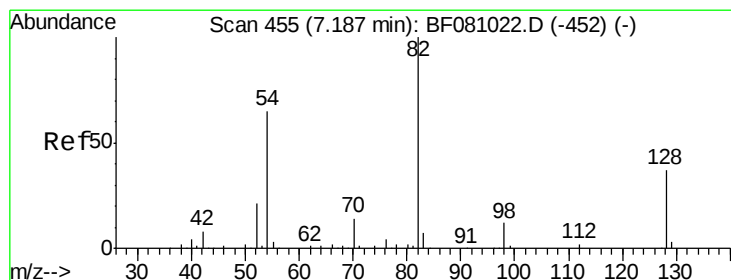
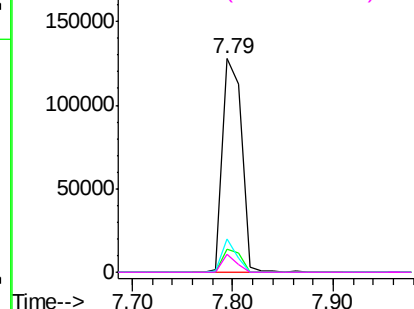
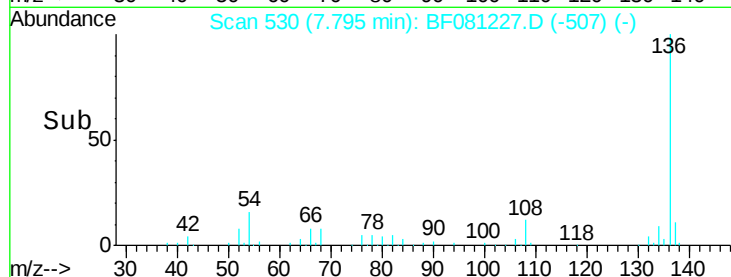
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.79 min Scan# 530  
Delta R.T. -0.04 min  
Lab File: BF081227.D  
Acq: 26 Aug 2015 22:50

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:136 | Resp: | 170239    |
| Ion Ratio   | Lower | Upper     |
| 136         | 100   |           |
| 137         | 11.0  | 8.2 12.2  |
| 54          | 15.7  | 7.7 11.5# |
| 68          | 8.4   | 3.4 5.2#  |

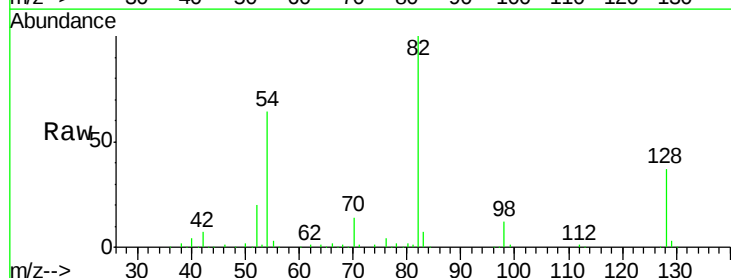


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

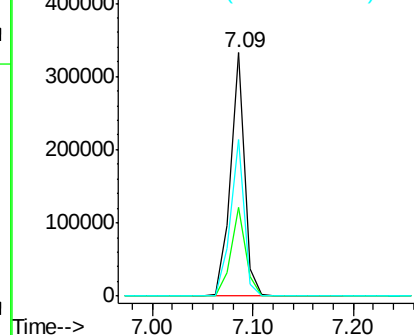
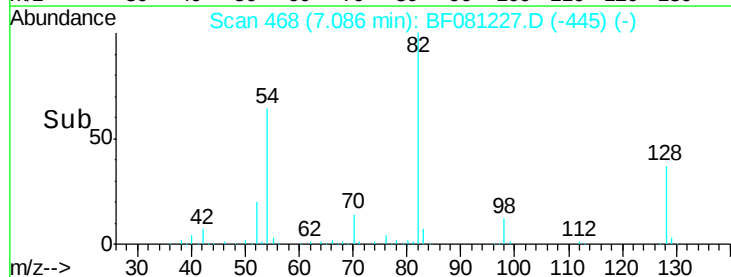


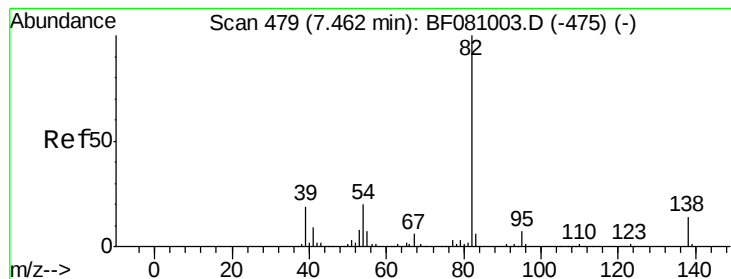
#23  
Nitrobenzene-d5  
Concen: 87.05 ng  
RT: 7.09 min Scan# 468  
Delta R.T. -0.04 min  
Lab File: BF081227.D  
Acq: 26 Aug 2015 22:50

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 324392    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 36.6  | 28.6 42.8 |
| 54          | 64.5  | 55.1 82.7 |



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





#25

Isophorone

Concen: 37.01 ng

RT: 7.09 min Scan# 468

Delta R.T. -0.30 min

Lab File: BF081227.D

Acq: 26 Aug 2015 22:50

Instrument :

BNA\_F

ClientSampleId :

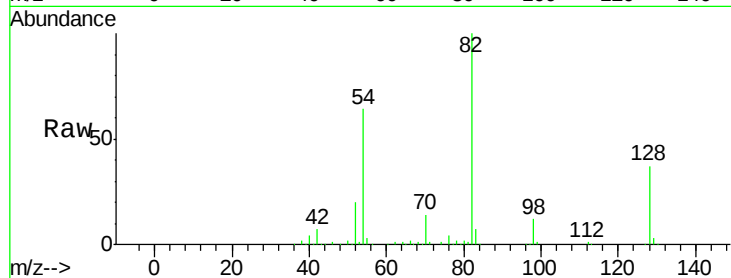
Tot Ion: 82 Resp: 257209

Ion Ratio Lower Upper

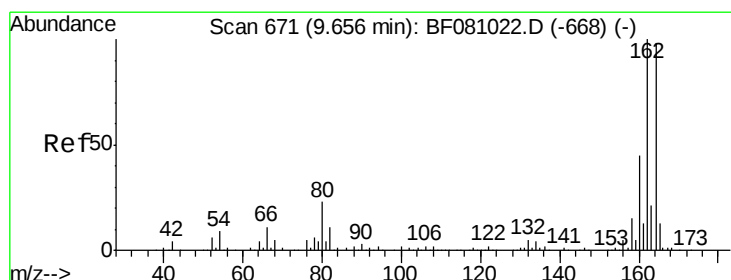
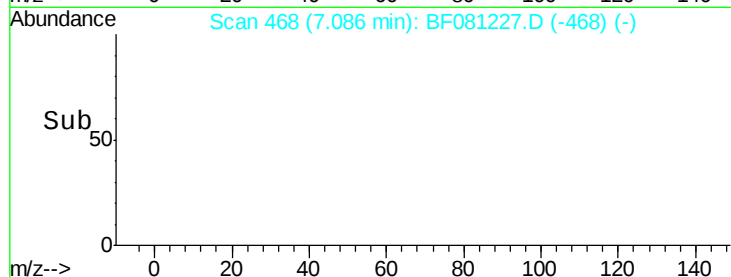
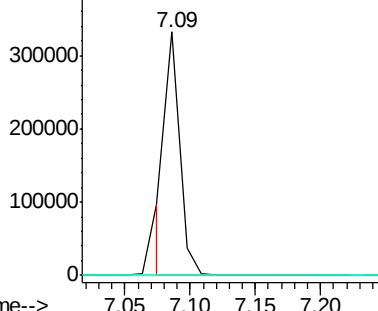
82 100

95 0.0 6.2 9.2#

138 0.0 10.5 15.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.54 min Scan# 683

Delta R.T. -0.04 min

Lab File: BF081227.D

Acq: 26 Aug 2015 22:50

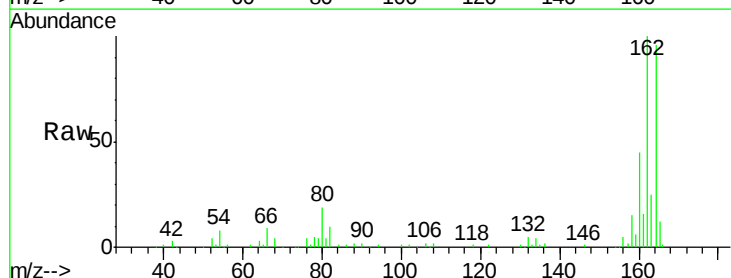
Tgt Ion:164 Resp: 84461

Ion Ratio Lower Upper

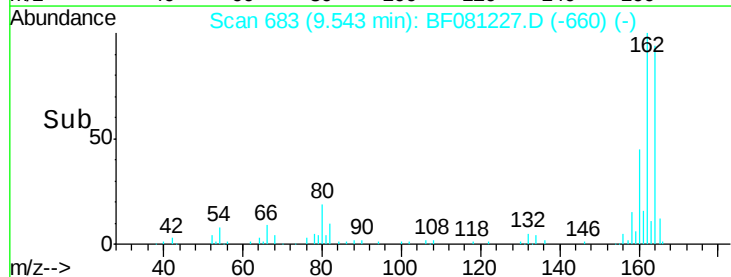
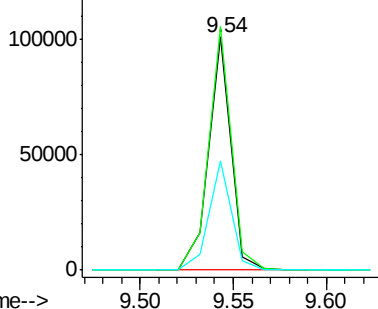
164 100

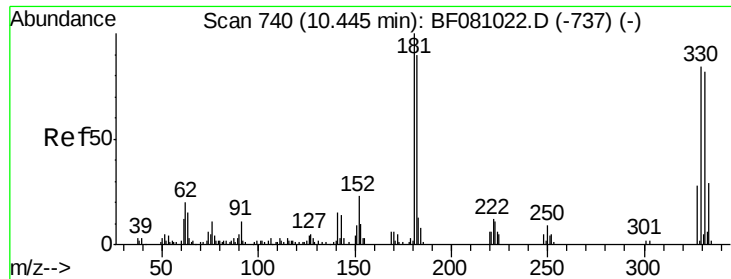
162 104.6 83.8 125.8

160 46.9 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

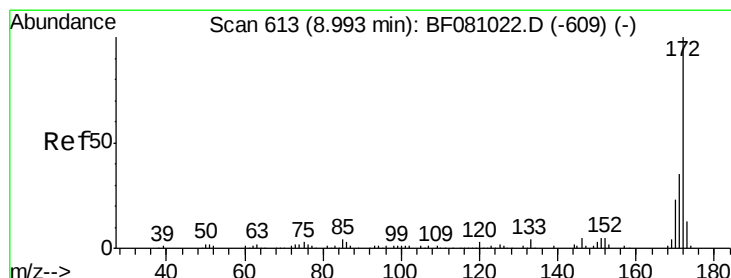
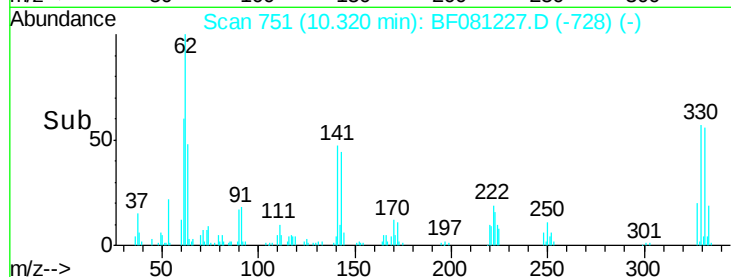
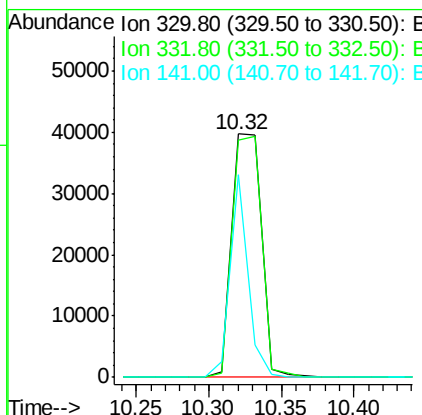
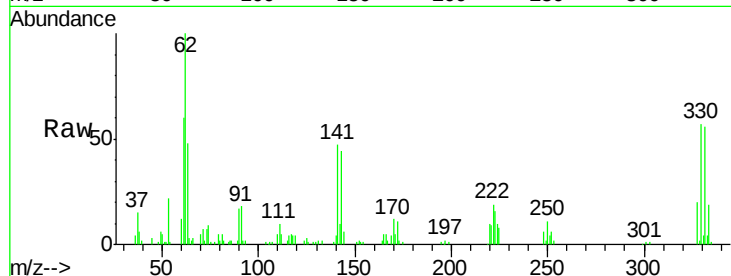




#41  
 2,4,6-Tribromophenol  
 Concen: 77.14 ng  
 RT: 10.32 min Scan# 751  
 Delta R.T. -0.04 min  
 Lab File: BF081227.D  
 Acq: 26 Aug 2015 22:50

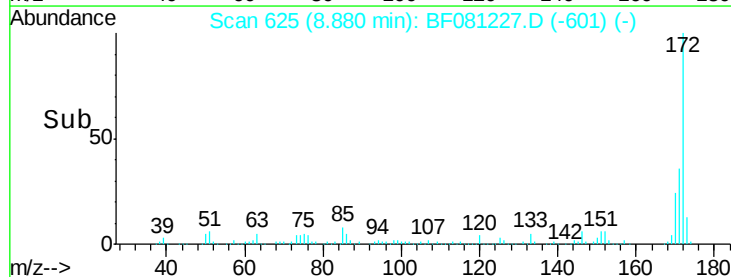
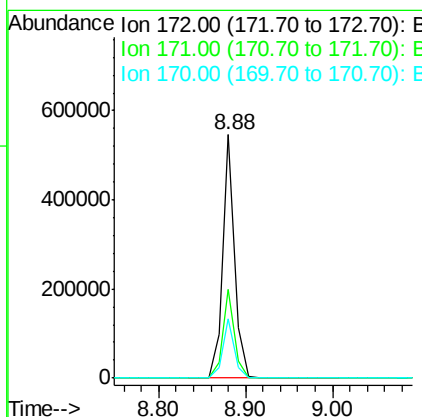
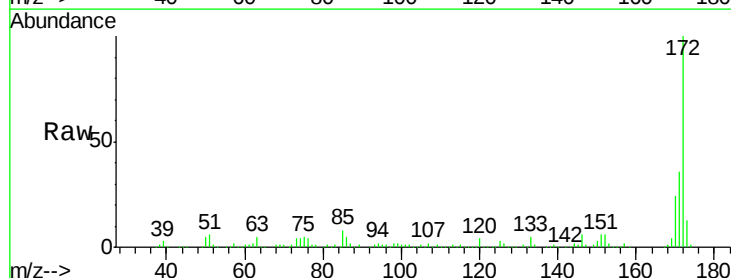
Instrument :  
 BNA\_F  
 ClientSampleId :

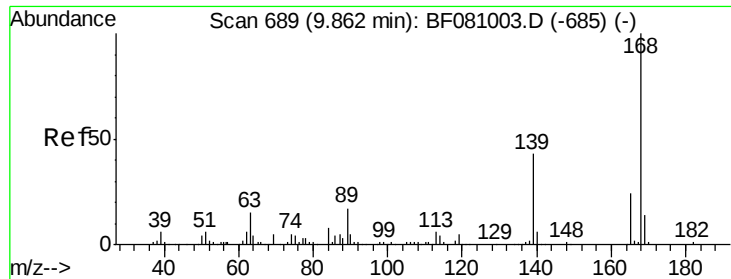
Tot Ion:330 Resp: 56474  
 Ion Ratio Lower Upper  
 330 100  
 332 98.1 77.3 115.9  
 141 50.1 44.9 67.3



#44  
 2-Fluorobiphenyl  
 Concen: 81.68 ng  
 RT: 8.88 min Scan# 625  
 Delta R.T. -0.02 min  
 Lab File: BF081227.D  
 Acq: 26 Aug 2015 22:50

Tgt Ion:172 Resp: 526497  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 28.9 43.3  
 170 24.4 19.4 29.2

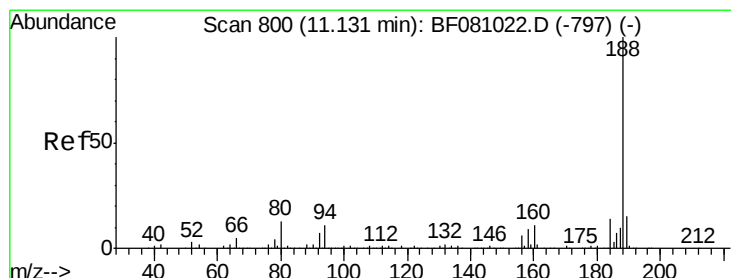
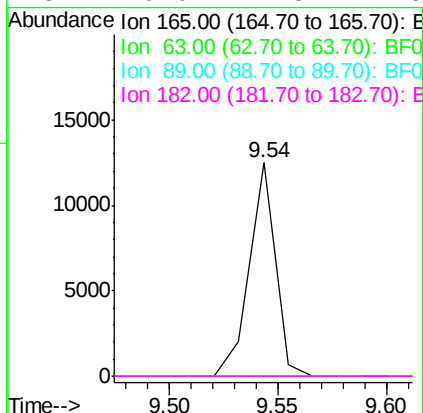
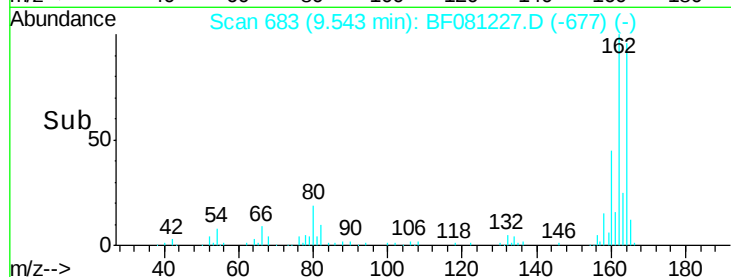
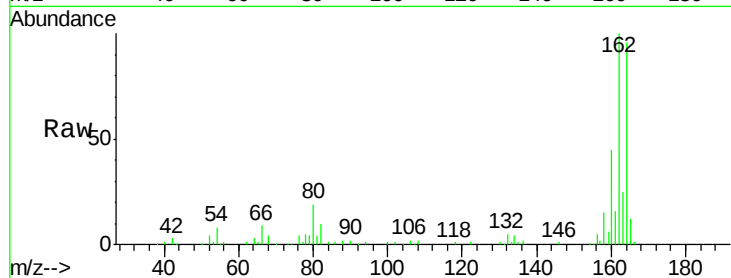




#56  
 2,4-Dinitrotoluene  
 Concen: 5.26 ng  
 RT: 9.54 min Scan# 683  
 Delta R.T. -0.23 min  
 Lab File: BF081227.D  
 Acq: 26 Aug 2015 22:50

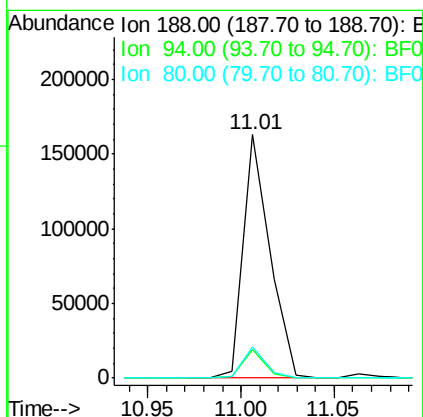
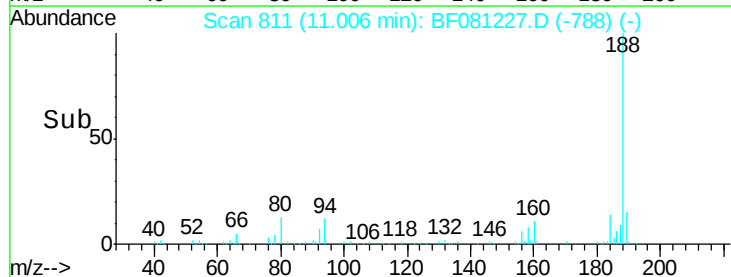
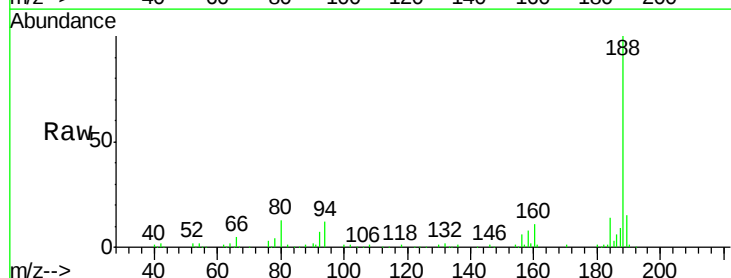
Instrument :  
 BNA\_F  
 ClientSampleId :

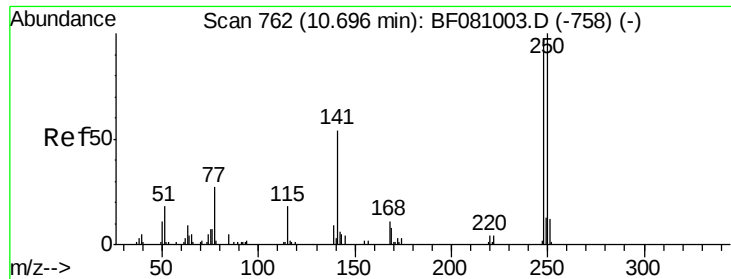
Tot Ion:165 Resp: 10412  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 52.2 78.4#  
 89 0.0 60.1 90.1#  
 182 0.0 1.8 2.6#



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.01 min Scan# 811  
 Delta R.T. -0.04 min  
 Lab File: BF081227.D  
 Acq: 26 Aug 2015 22:50

Tgt Ion:188 Resp: 162205  
 Ion Ratio Lower Upper  
 188 100  
 94 11.8 8.2 12.2  
 80 13.0 9.5 14.3





#66

4-Bromophenyl-phenylether

Concen: 2.65 ng

RT: 10.32 min Scan# 751

Delta R.T. -0.28 min

Lab File: BF081227.D

Acq: 26 Aug 2015 22:50

Instrument :

BNA\_F

ClientSampleId :

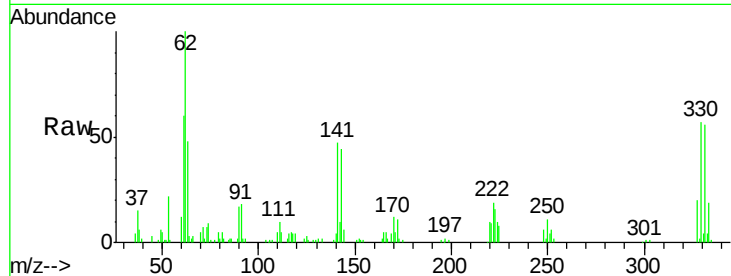
Tot Ion:248 Resp: 4224

Ion Ratio Lower Upper

248 100

250 189.1 77.8 116.6#

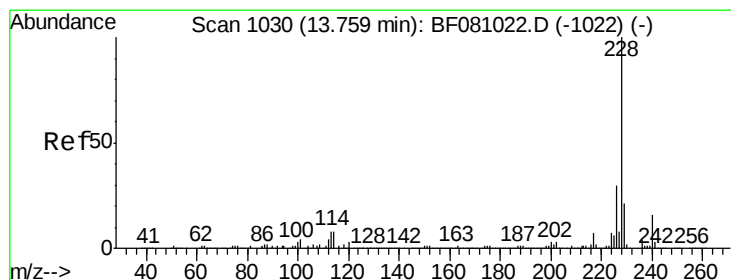
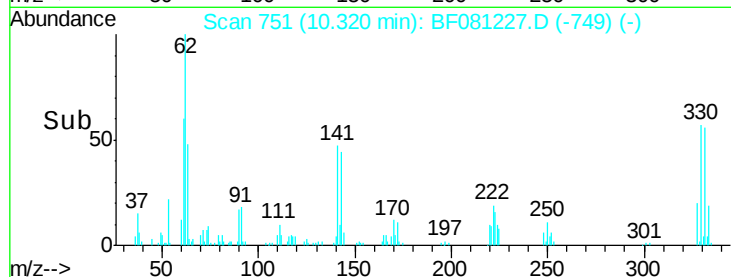
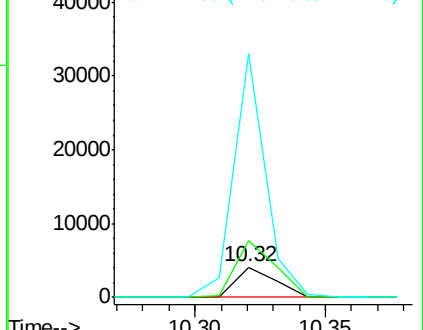
141 812.6 39.8 59.6#



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: 13.62 min Scan# 1040

Delta R.T. -0.04 min

Lab File: BF081227.D

Acq: 26 Aug 2015 22:50

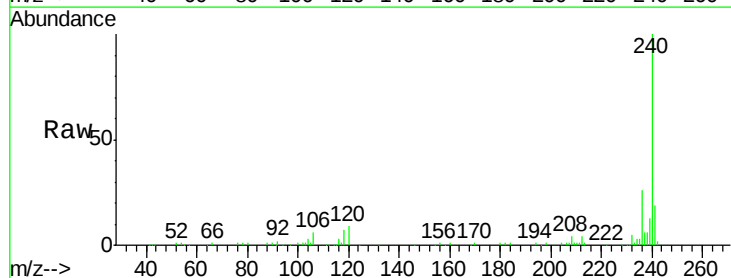
Tgt Ion:240 Resp: 141990

Ion Ratio Lower Upper

240 100

120 9.1 5.6 8.4#

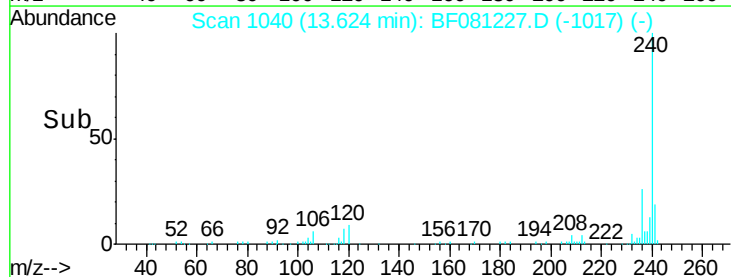
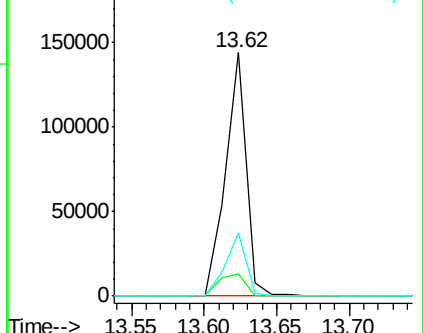
236 26.1 20.6 30.8

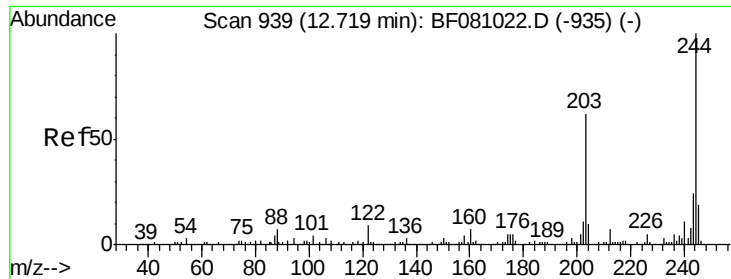


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

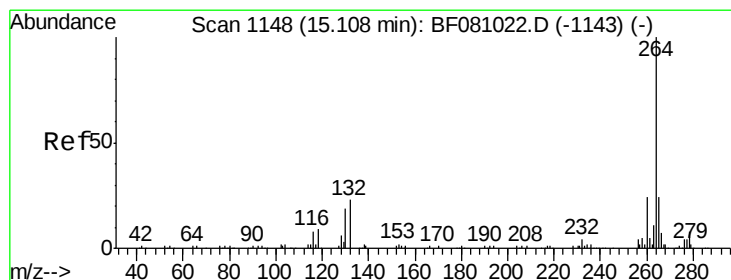
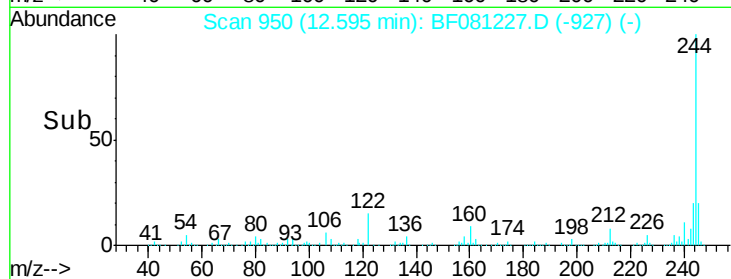
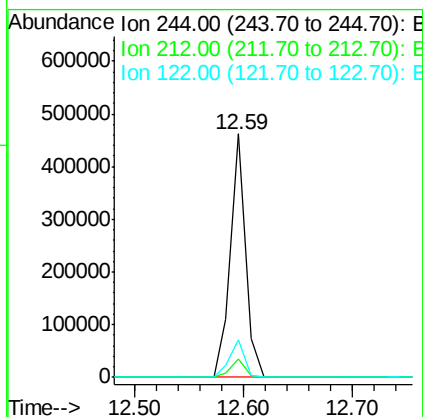
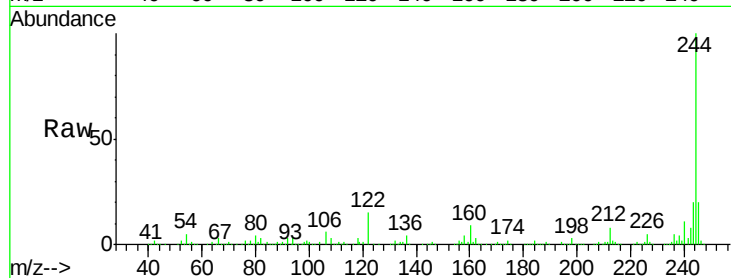




#78  
 Terphenyl-d14  
 Concen: 67.56 ng  
 RT: 12.59 min Scan# 950  
 Delta R.T. -0.04 min  
 Lab File: BF081227.D  
 Acq: 26 Aug 2015 22:50

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 447470  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 5.8 8.8  
 122 15.2 8.2 12.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.95 min Scan# 1156  
 Delta R.T. -0.04 min  
 Lab File: BF081227.D  
 Acq: 26 Aug 2015 22:50

Tgt Ion:264 Resp: 104620  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.6 29.4  
 265 20.4 17.5 26.3

