

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082615\  
 Data File : BF081226.D  
 Acq On : 26 Aug 2015 22:19  
 Operator : UM/IZ  
 Sample : G3433-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 27 00:44:53 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

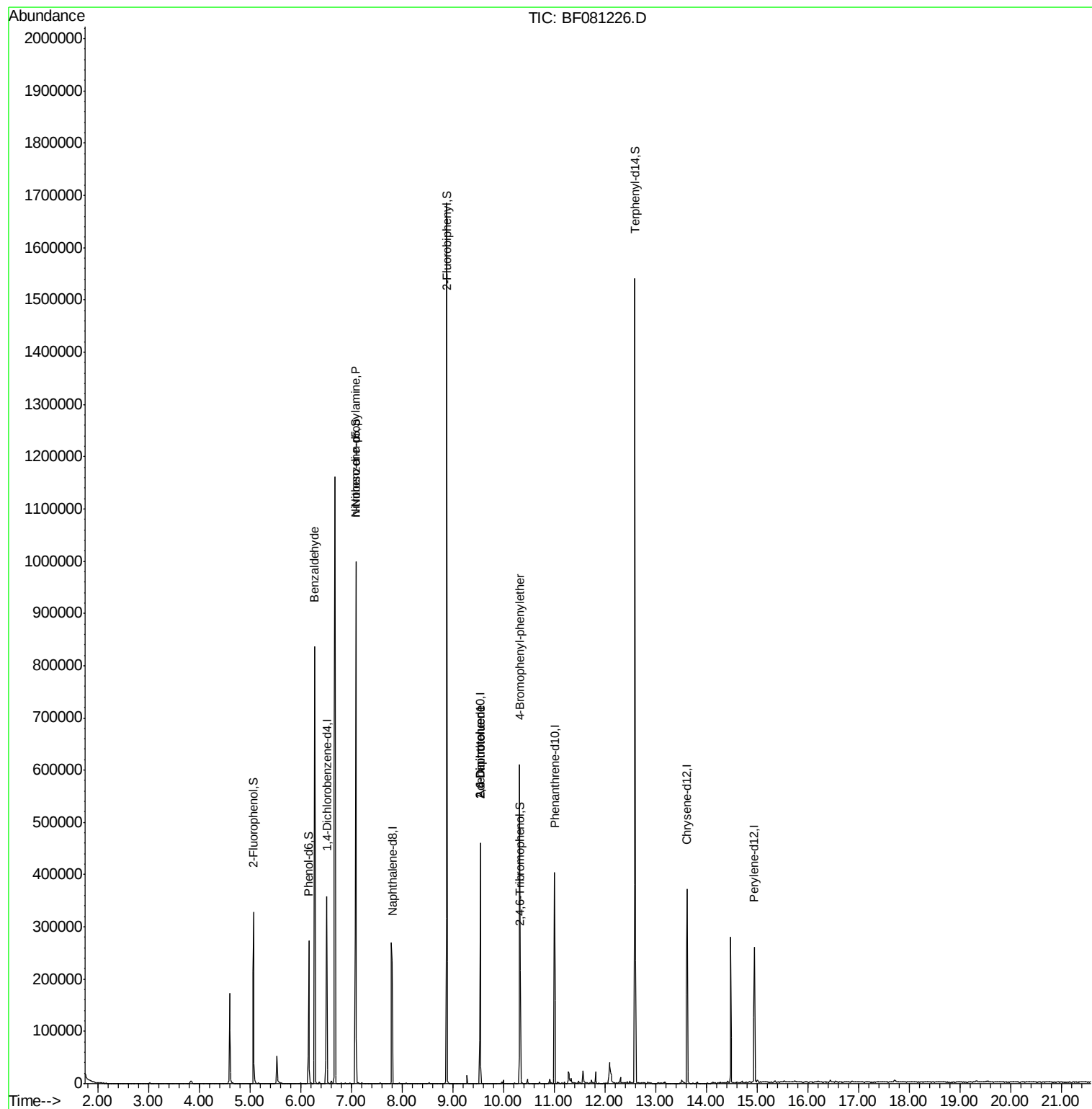
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.51  | 152  | 47216    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.81  | 136  | 170846   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.54  | 164  | 83685    | 20.00 | ng    | -0.04    |
| 63) Phenanthrene-d10           | 11.01 | 188  | 158228   | 20.00 | ng    | -0.04    |
| 75) Chrysene-d12               | 13.62 | 240  | 146916   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12               | 14.95 | 264  | 107031   | 20.00 | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.07  | 112  | 106736   | 34.00 | ng    | -0.02    |
| 7) Phenol-d6                   | 6.16  | 99   | 88963    | 21.72 | ng    | -0.04    |
| 23) Nitrobenzene-d5            | 7.09  | 82   | 317072   | 84.78 | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol       | 10.33 | 330  | 60259    | 83.07 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 8.88  | 172  | 499913   | 78.27 | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.59 | 244  | 465116   | 67.87 | ng    | -0.04    |
| Target Compounds               |       |      |          |       |       |          |
| 9) Benzaldehyde                | 6.27  | 77   | 5414     | 2.05  | ng    | # 73     |
| 19) n-Nitroso-di-n-propylamine | 7.09  | 70   | 42103    | 14.84 | ng    | # 70     |
| 50) 2,6-Dinitrotoluene         | 9.54  | 165  | 10781    | 7.29  | ng    | # 20     |
| 56) 2,4-Dinitrotoluene         | 9.54  | 165  | 10781    | 5.50  | ng    | # 16     |
| 66) 4-Bromophenyl-phenylether  | 10.32 | 248  | 4300     | 2.77  | ng    | # 1      |

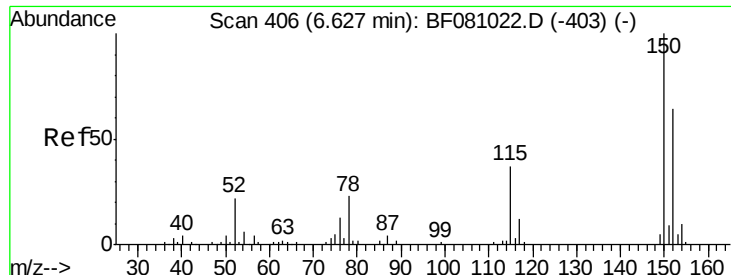
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082615\  
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Sample : G3433-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Aug 27 00:44:53 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



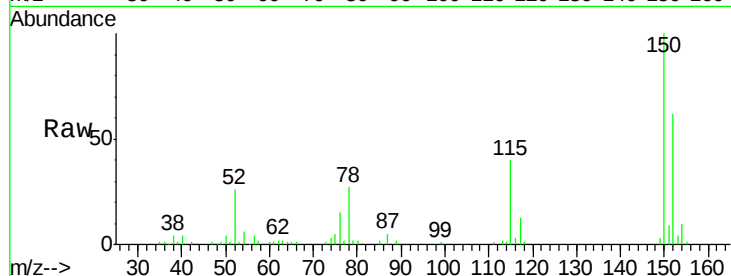


#1

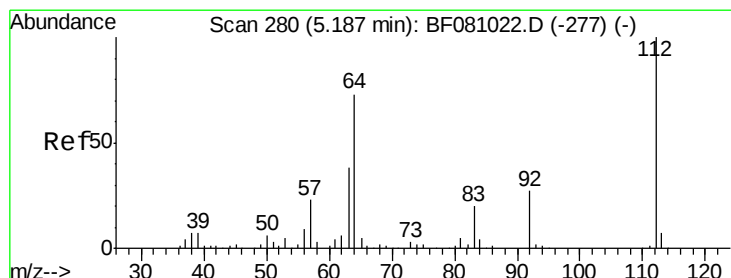
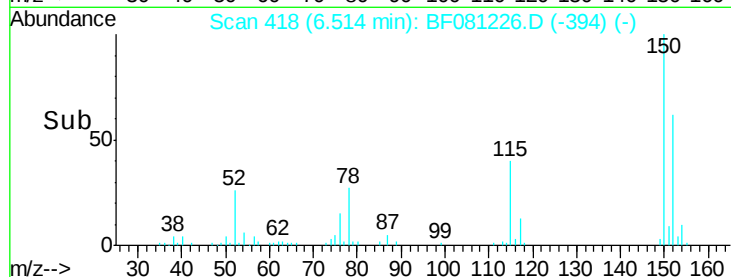
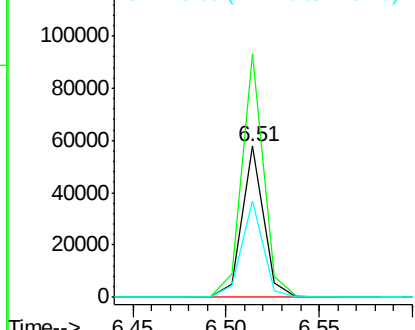
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.51 min Scan# 418  
 Delta R.T. -0.02 min  
 Lab File: BF081226.D  
 Acq: 26 Aug 2015 22:19

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:152 Resp: 47216  
 Ion Ratio Lower Upper  
 152 100  
 150 160.9 123.8 185.6  
 115 64.0 52.1 78.1



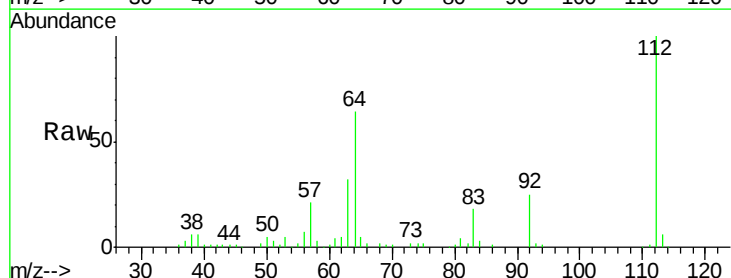
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



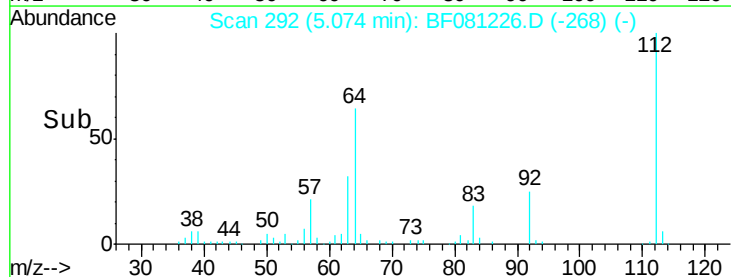
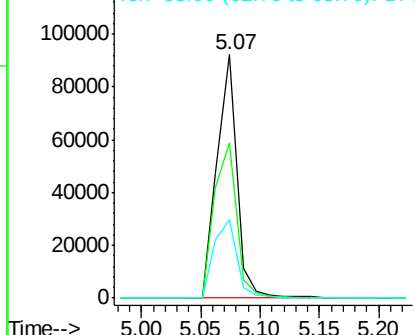
#5

2-Fluorophenol  
 Concen: 34.00 ng  
 RT: 5.07 min Scan# 292  
 Delta R.T. -0.02 min  
 Lab File: BF081226.D  
 Acq: 26 Aug 2015 22:19

Tgt Ion:112 Resp: 106736  
 Ion Ratio Lower Upper  
 112 100  
 64 63.7 66.9 100.3#  
 63 32.4 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: 21.72 ng

RT: 6.16 min Scan# 387

Delta R.T. -0.04 min

Lab File: BF081226.D

Acq: 26 Aug 2015 22:19

Instrument :

BNA\_F

ClientSampled :

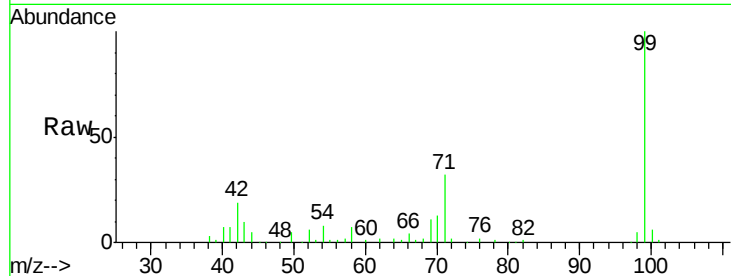
Tot Ion: 99 Resp: 88963

Ion Ratio Lower Upper

99 100

42 18.9 19.6 29.4#

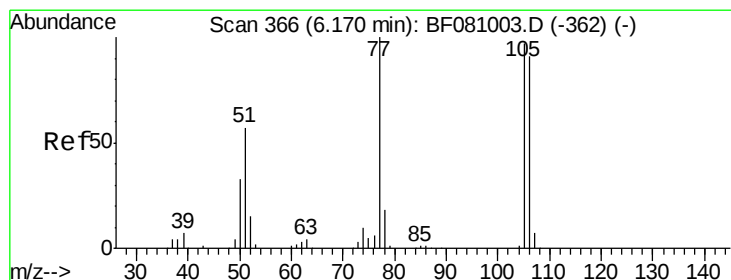
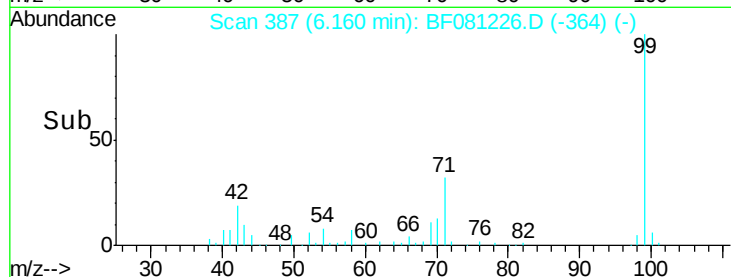
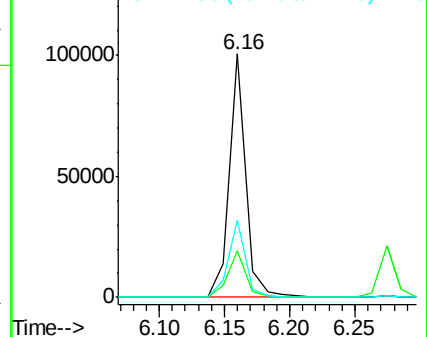
71 31.7 31.2 46.8



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



#9

Benzaldehyde

Concen: 2.05 ng

RT: 6.27 min Scan# 397

Delta R.T. 0.19 min

Lab File: BF081226.D

Acq: 26 Aug 2015 22:19

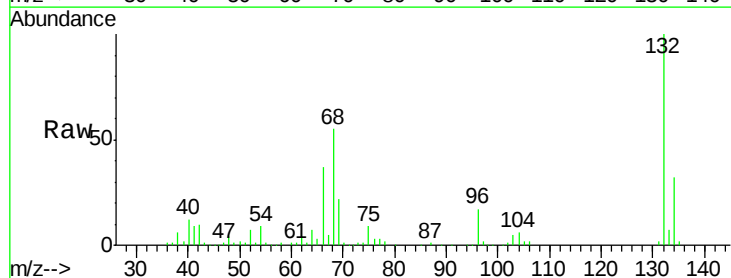
Tgt Ion: 77 Resp: 5414

Ion Ratio Lower Upper

77 100

105 64.8 69.6 109.6#

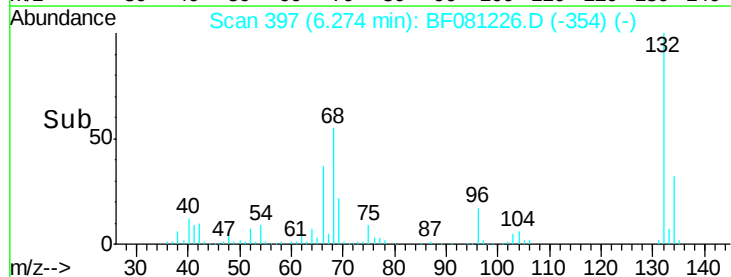
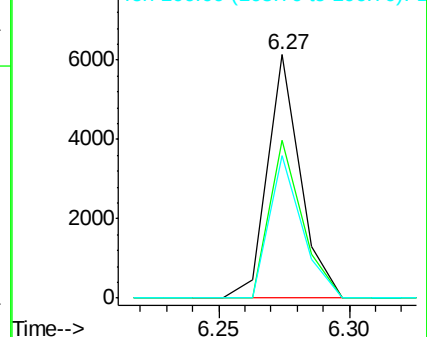
106 58.7 64.0 104.0#

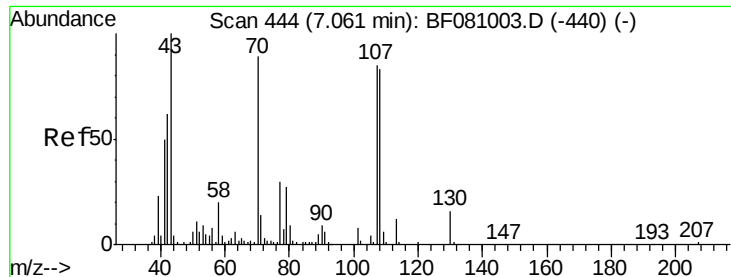


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

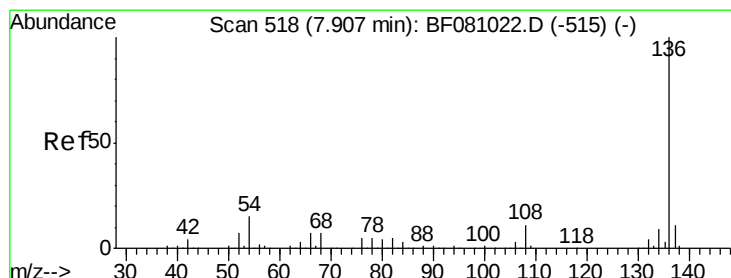
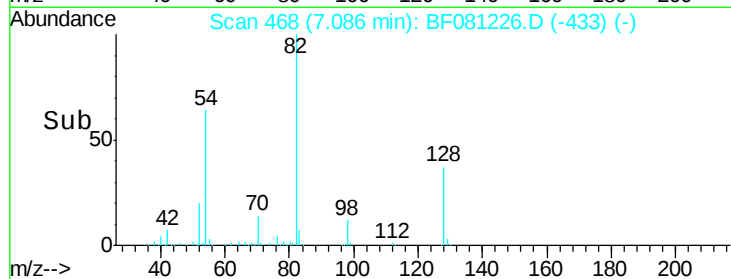
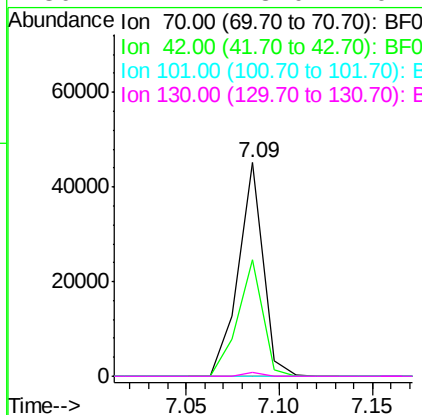
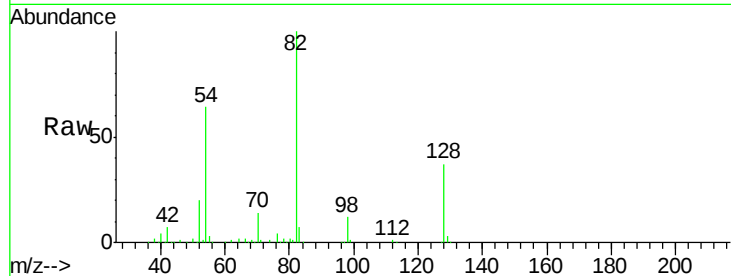




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.84 ng  
RT: 7.09 min Scan# 468  
Delta R.T. 0.10 min  
Lab File: BF081226.D  
Acq: 26 Aug 2015 22:19

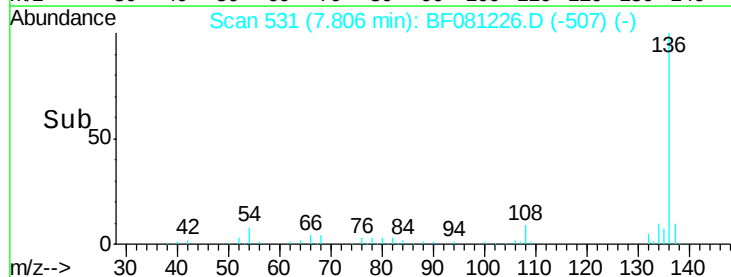
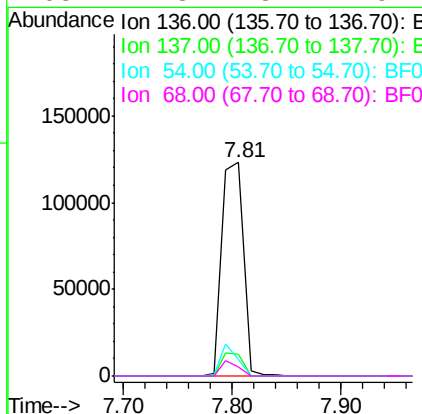
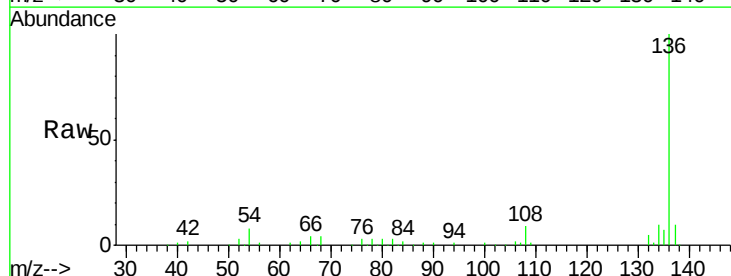
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 70 Resp: 42103  
Ion Ratio Lower Upper  
70 100  
42 54.4 65.0 97.4#  
101 0.0 7.4 11.2#  
130 1.7 13.0 19.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.81 min Scan# 531  
Delta R.T. -0.02 min  
Lab File: BF081226.D  
Acq: 26 Aug 2015 22:19

Tgt Ion: 136 Resp: 170846  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.2 12.2  
54 7.9 7.7 11.5  
68 4.3 3.4 5.2

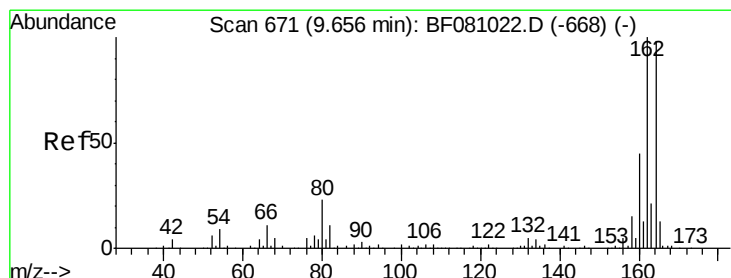
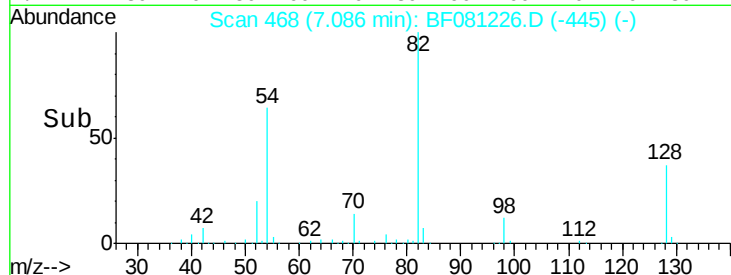
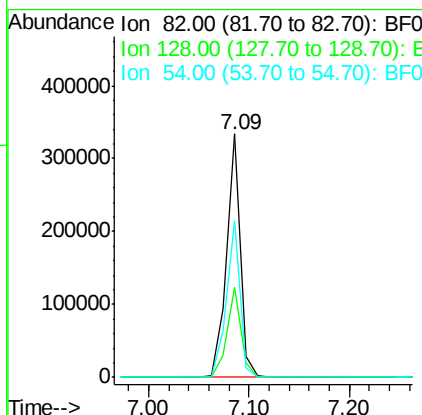
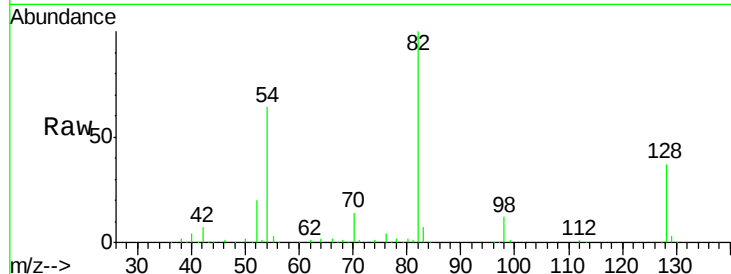




#23  
 Nitrobenzene-d5  
 Concen: 84.78 ng  
 RT: 7.09 min Scan# 468  
 Delta R.T. -0.04 min  
 Lab File: BF081226.D  
 Acq: 26 Aug 2015 22:19

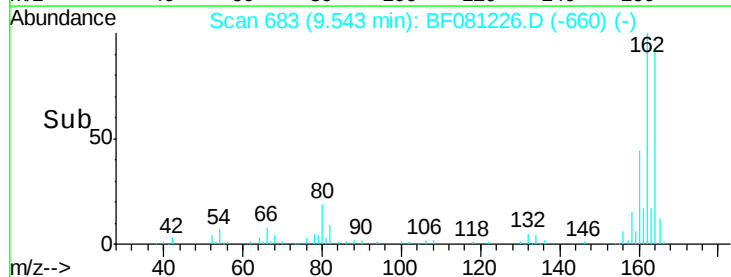
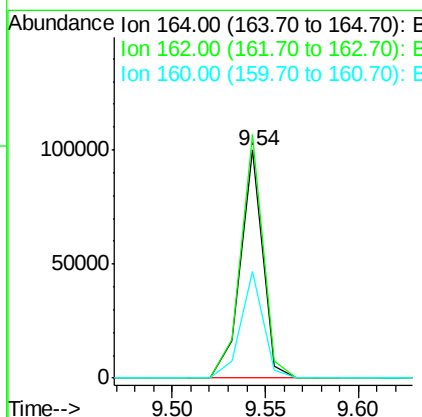
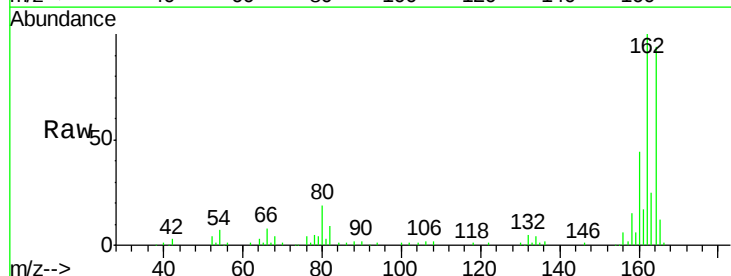
Instrument :  
 BNA\_F  
 ClientSampleId :

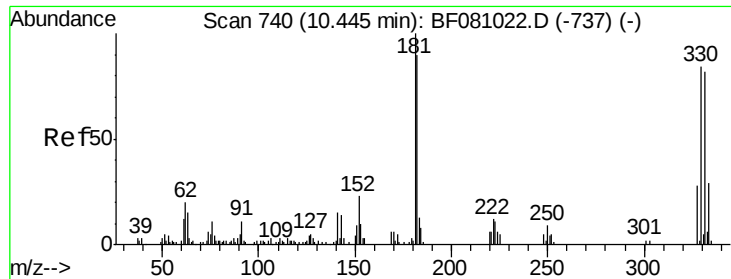
Tot Ion: 82 Resp: 317072  
 Ion Ratio Lower Upper  
 82 100  
 128 36.7 28.6 42.8  
 54 64.2 55.1 82.7



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.54 min Scan# 683  
 Delta R.T. -0.04 min  
 Lab File: BF081226.D  
 Acq: 26 Aug 2015 22:19

Tgt Ion:164 Resp: 83685  
 Ion Ratio Lower Upper  
 164 100  
 162 106.8 83.8 125.8  
 160 47.0 39.8 59.8





#41

2,4,6-Tribromophenol

Concen: 83.07 ng

RT: 10.33 min Scan# 752

Delta R.T. -0.02 min

Lab File: BF081226.D

Acq: 26 Aug 2015 22:19

Instrument :

BNA\_F

ClientSampleId :

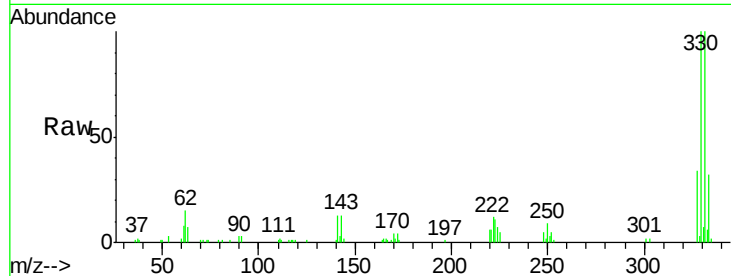
Tot Ion:330 Resp: 60259

Ion Ratio Lower Upper

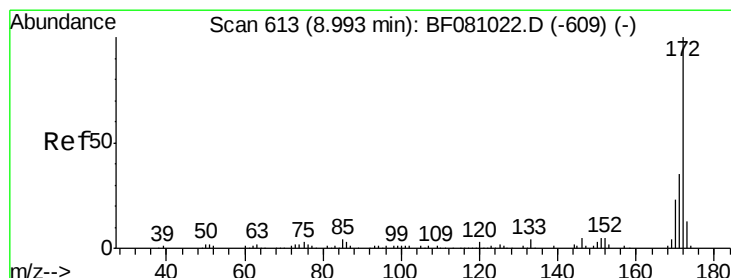
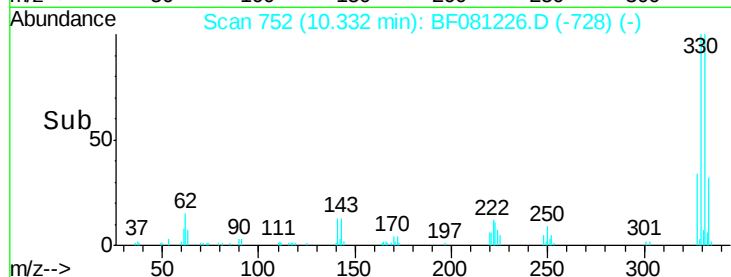
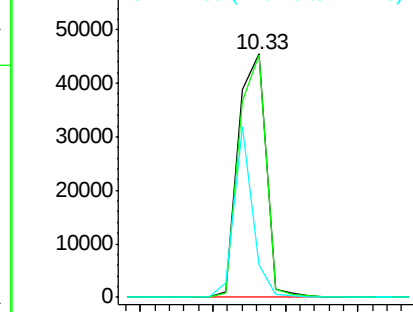
330 100

332 97.3 77.3 115.9

141 47.2 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: 78.27 ng

RT: 8.88 min Scan# 625

Delta R.T. -0.02 min

Lab File: BF081226.D

Acq: 26 Aug 2015 22:19

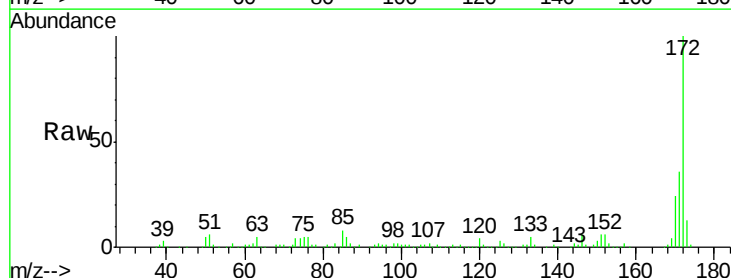
Tgt Ion:172 Resp: 499913

Ion Ratio Lower Upper

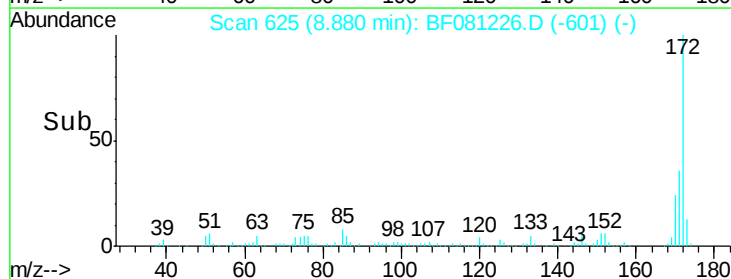
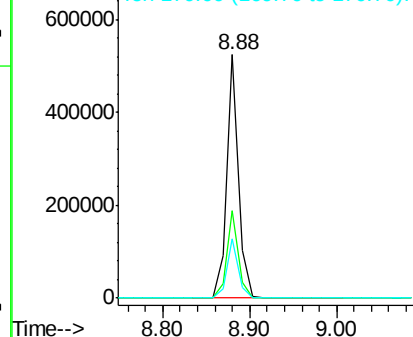
172 100

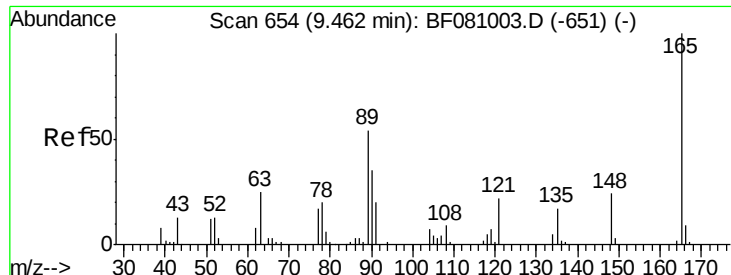
171 35.9 28.9 43.3

170 24.5 19.4 29.2



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

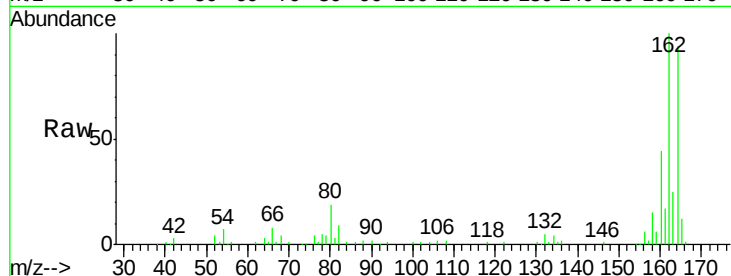




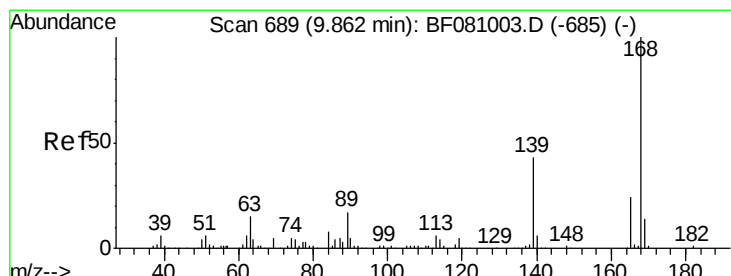
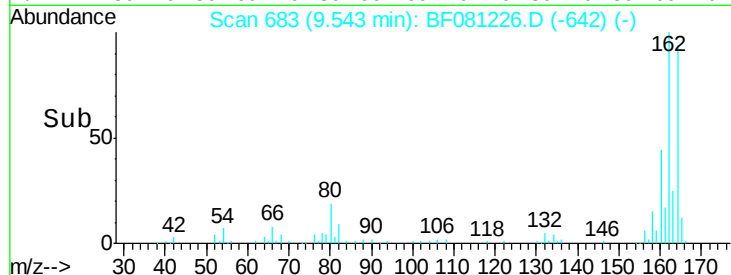
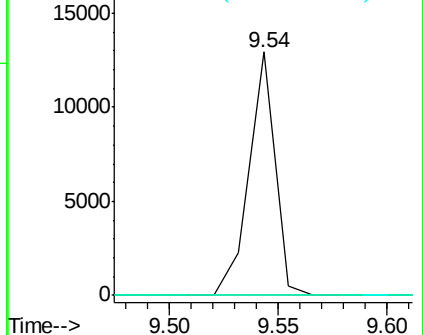
#50  
2,6-Dinitrotoluene  
Concen: 7.29 ng  
RT: 9.54 min Scan# 683  
Delta R.T. 0.17 min  
Lab File: BF081226.D  
Acq: 26 Aug 2015 22:19

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:165 Resp: 10781  
Ion Ratio Lower Upper  
165 100  
63 0.0 49.5 74.3#  
89 0.0 47.6 71.4#



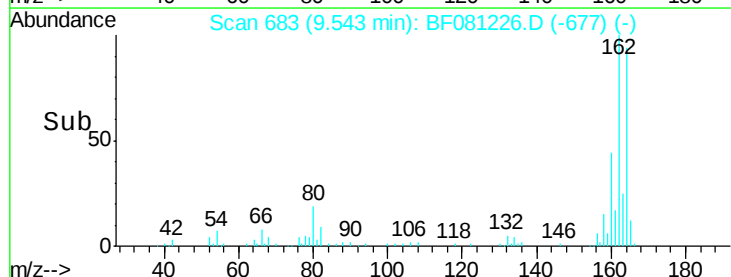
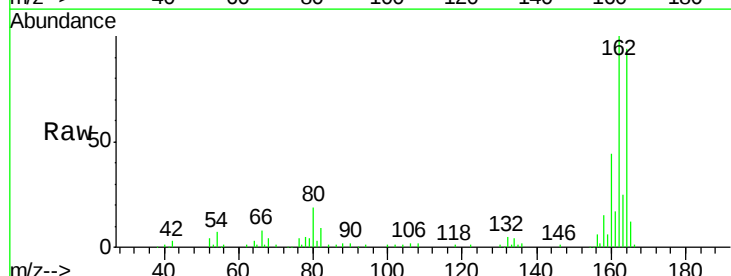
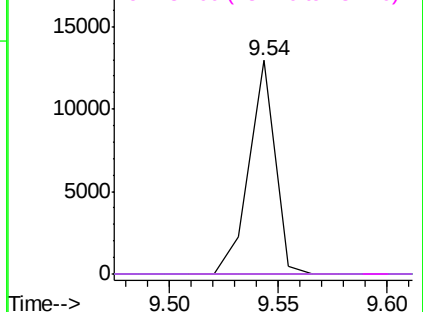
Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0

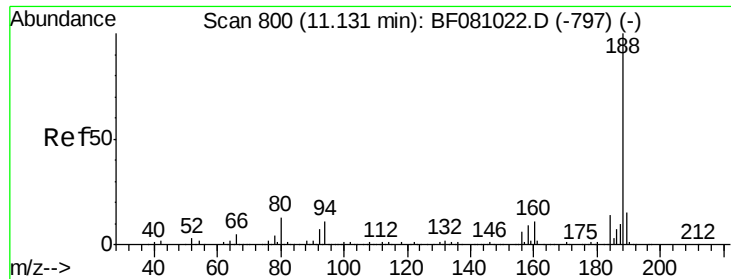


#56  
2,4-Dinitrotoluene  
Concen: 5.50 ng  
RT: 9.54 min Scan# 683  
Delta R.T. -0.23 min  
Lab File: BF081226.D  
Acq: 26 Aug 2015 22:19

Tgt Ion:165 Resp: 10781  
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#

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

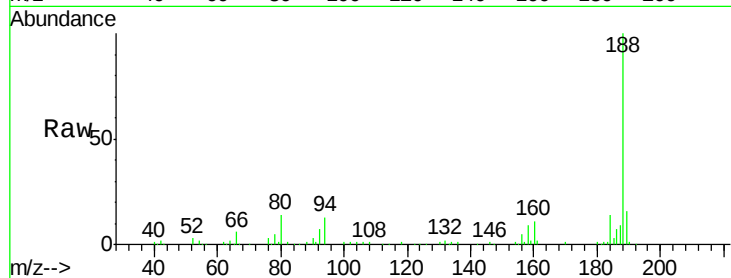




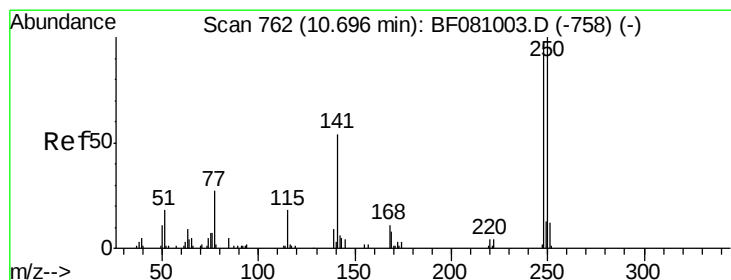
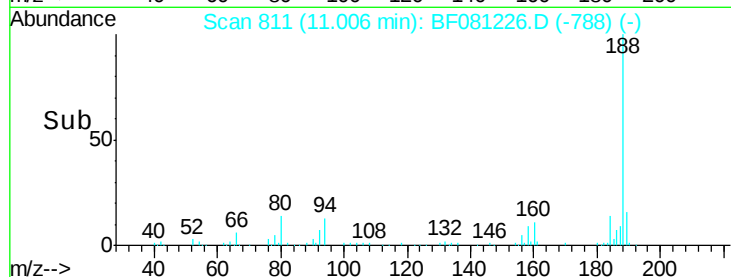
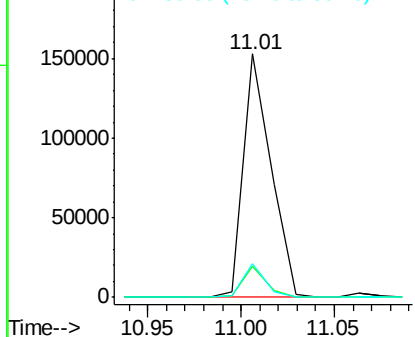
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.01 min Scan# 811  
 Delta R.T. -0.04 min  
 Lab File: BF081226.D  
 Acq: 26 Aug 2015 22:19

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:188 Resp: 158228  
 Ion Ratio Lower Upper  
 188 100  
 94 12.5 8.2 12.2#  
 80 14.0 9.5 14.3

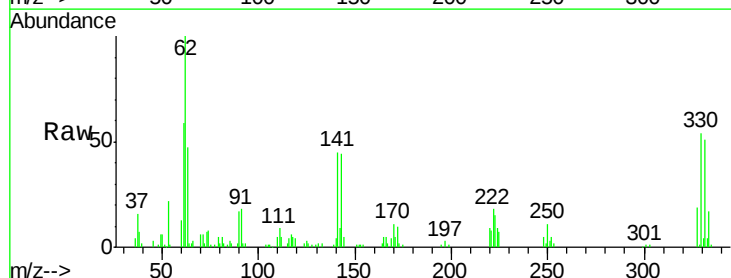


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

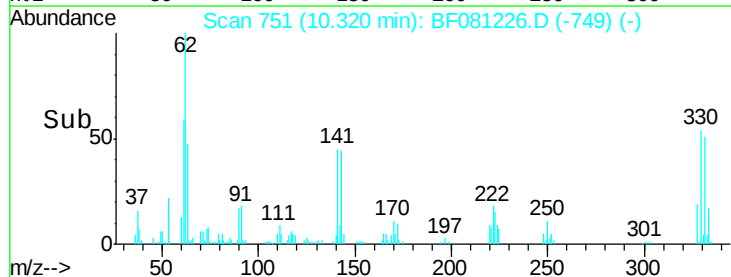
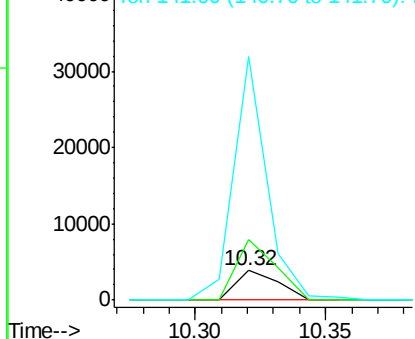


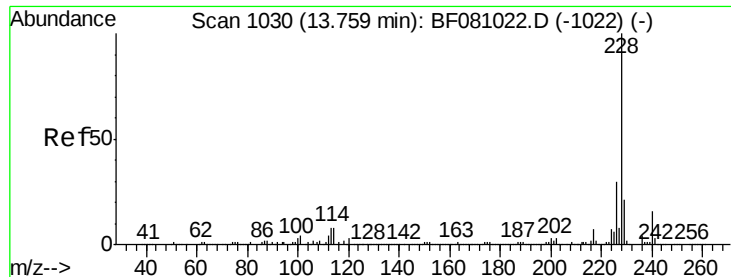
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.77 ng  
 RT: 10.32 min Scan# 751  
 Delta R.T. -0.28 min  
 Lab File: BF081226.D  
 Acq: 26 Aug 2015 22:19

Tgt Ion:248 Resp: 4300  
 Ion Ratio Lower Upper  
 248 100  
 250 204.0 77.8 116.6#  
 141 824.4 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: BF081226.D

Acq: 26 Aug 2015 22:19

Instrument :

BNA\_F

ClientSampleId :

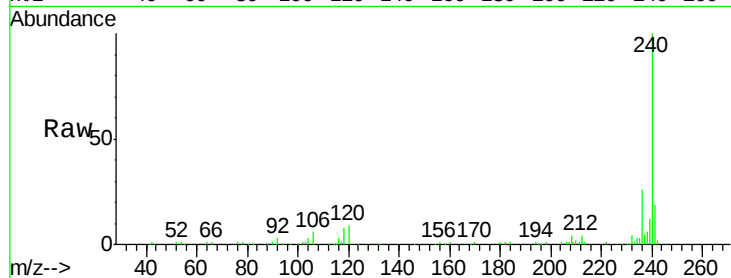
Tot Ion:240 Resp: 146916

Ion Ratio Lower Upper

240 100

120 8.5 5.6 8.4#

236 25.8 20.6 30.8

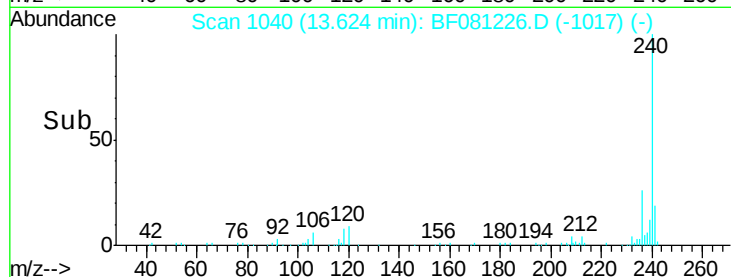


Abundance Ion 240.00 (239.70 to 240.70): E

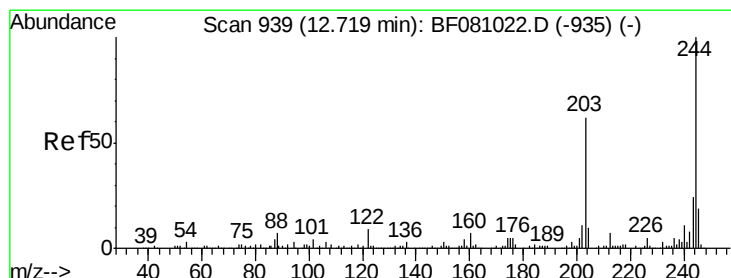
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.62



Time-->



#78

Terphenyl-d14

Concen: 67.87 ng

RT: 12.59 min Scan# 950

Delta R.T. -0.04 min

Lab File: BF081226.D

Acq: 26 Aug 2015 22:19

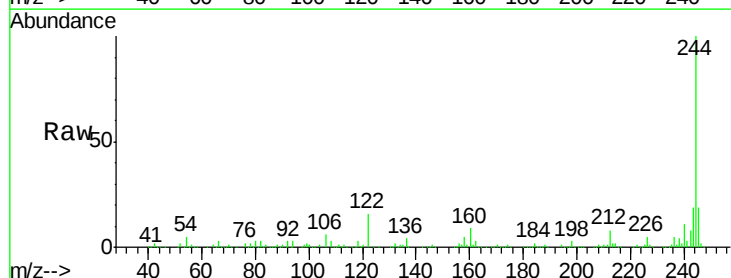
Tgt Ion:244 Resp: 465116

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

122 15.7 8.2 12.4#

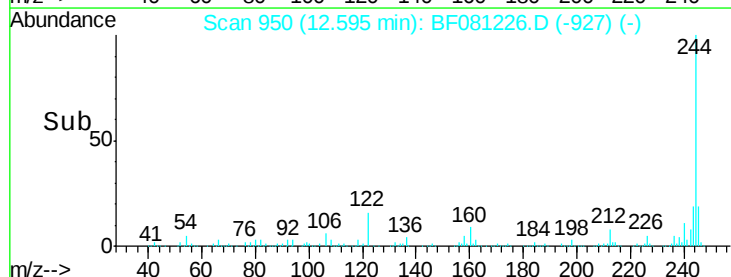


Abundance Ion 244.00 (243.70 to 244.70): E

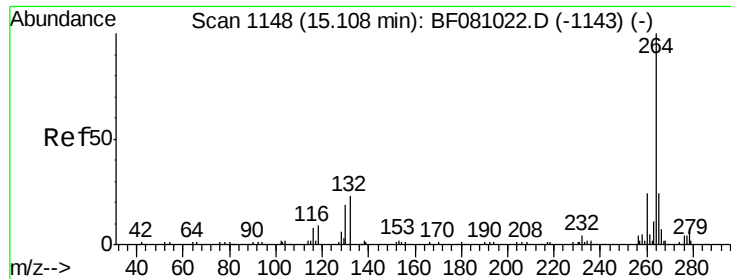
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.59



Time-->



#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 14.95 min Scan# 1156  
Delta R.T. -0.04 min  
Lab File: BF081226.D  
Acq: 26 Aug 2015 22:19

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.6  | 29.4  |
| 265     | 20.6  | 17.5  | 26.3  |

