

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071315\  
 Data File : BF080435.D  
 Acq On : 13 Jul 2015 19:34  
 Operator : TP/UM  
 Sample : G2945-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB

Quant Time: Jul 14 01:00:22 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 14 00:52:37 2015  
 Response via : Initial Calibration

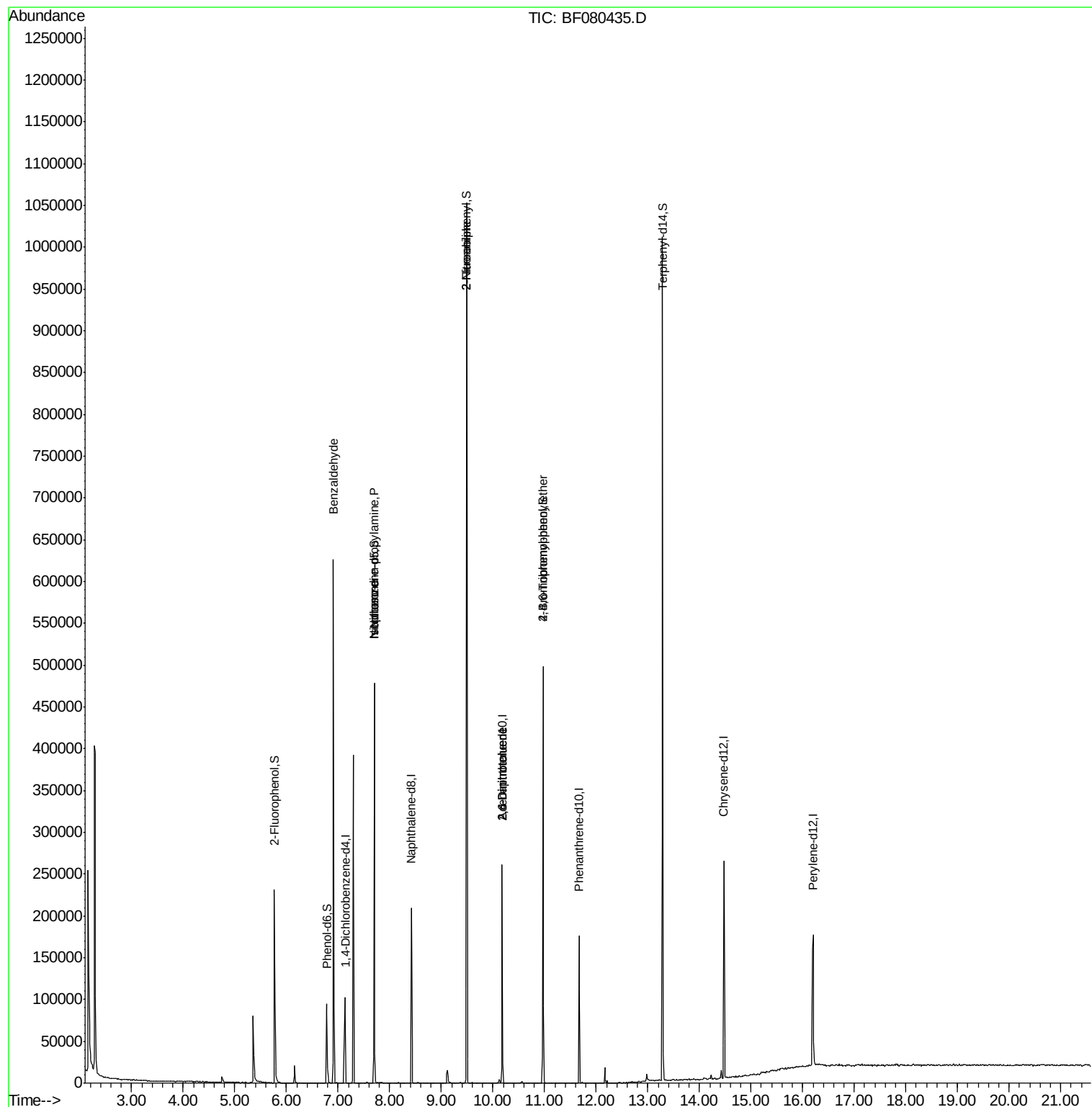
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.14  | 152  | 21362    | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8             | 8.42  | 136  | 88236    | 20.00 | ng    | 0.00      |
| 38) Acenaphthene-d10           | 10.18 | 164  | 46664    | 20.00 | ng    | 0.00      |
| 63) Phenanthrene-d10           | 11.67 | 188  | 82253    | 20.00 | ng    | -0.02     |
| 75) Chrysene-d12               | 14.48 | 240  | 93127    | 20.00 | ng    | -0.24     |
| 86) Perylene-d12               | 16.20 | 264  | 91816    | 20.00 | ng    | -0.39     |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 5) 2-Fluorophenol              | 5.77  | 112  | 69473    | 55.73 | ng    | 0.00      |
| 7) Phenol-d6                   | 6.78  | 99   | 50246    | 30.25 | ng    | 0.01      |
| 23) Nitrobenzene-d5            | 7.70  | 82   | 130951   | 84.64 | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol       | 10.97 | 330  | 44679    | 98.10 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl           | 9.49  | 172  | 286789   | 82.78 | ng    | 0.00      |
| 78) Terphenyl-d14              | 13.29 | 244  | 325057   | 75.81 | ng    | -0.11     |
| Target Compounds               |       |      |          |       |       |           |
| 9) Benzaldehyde                | 6.91  | 77   | 3097     | 3.37  | ng    | Qvalue 93 |
| 19) n-Nitroso-di-n-propylamine | 7.70  | 70   | 16533    | 14.55 | ng    | # 82      |
| 25) Isophorone                 | 7.70  | 82   | 130947   | 47.23 | ng    | # 73      |
| 47) 2-Nitroaniline             | 9.49  | 65   | 424      | 5.04  | ng    | # 1       |
| 50) 2,6-Dinitrotoluene         | 10.18 | 165  | 5844     | 7.38  | ng    | # 24      |
| 56) 2,4-Dinitrotoluene         | 10.18 | 165  | 5845     | 6.31  | ng    | # 9       |
| 66) 4-Bromophenyl-phenylether  | 10.97 | 248  | 3601     | 4.11  | ng    | # 1       |

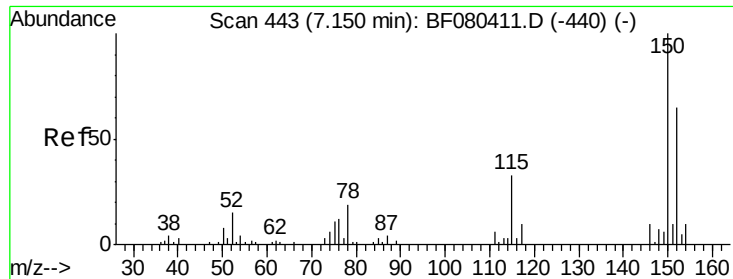
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 14 01:00:22 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 14 00:52:37 2015  
Response via : Initial Calibration



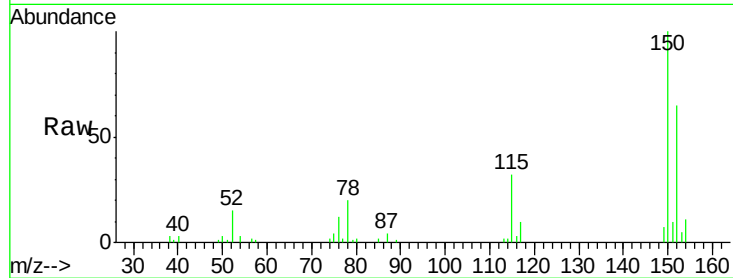


#1

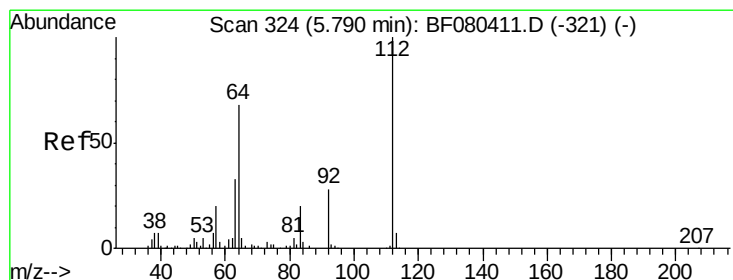
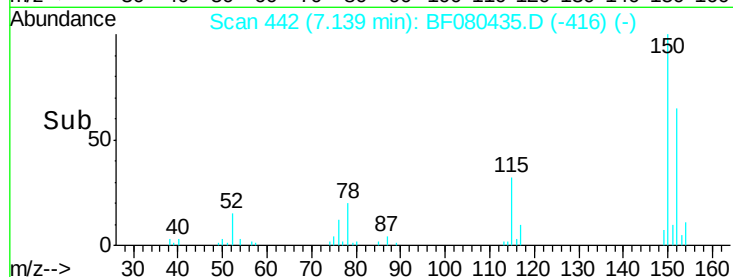
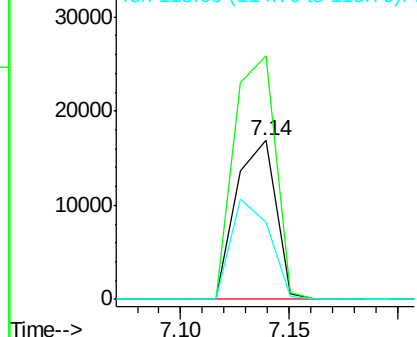
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.14 min Scan# 442  
Delta R.T. 0.00 min  
Lab File: BF080435.D  
Acq: 13 Jul 2015 19:34

Instrument :  
BNA\_F  
ClientSampleId :  
FB

Tgt Ion:152 Resp: 21362  
Ion Ratio Lower Upper  
152 100  
150 153.4 122.3 183.5  
115 48.4 41.0 61.4



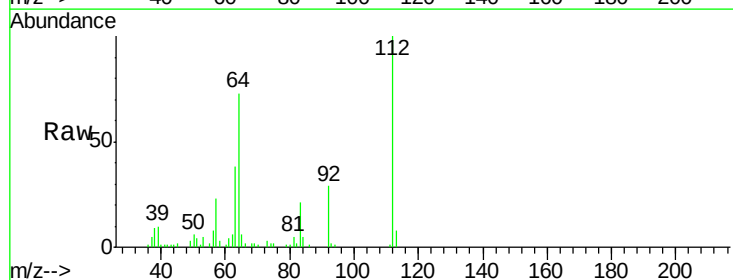
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



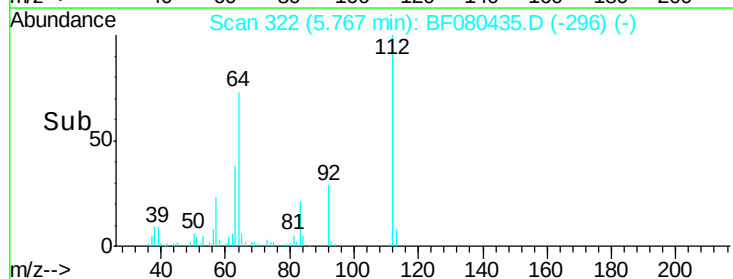
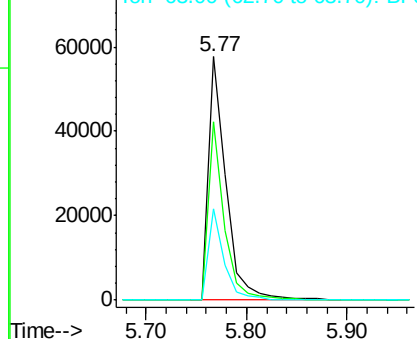
#5

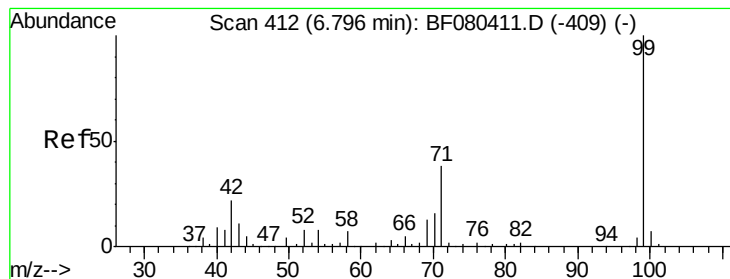
2-Fluorophenol  
Concen: 55.73 ng  
RT: 5.77 min Scan# 322  
Delta R.T. 0.00 min  
Lab File: BF080435.D  
Acq: 13 Jul 2015 19:34

Tgt Ion:112 Resp: 69473  
Ion Ratio Lower Upper  
112 100  
64 73.0 54.3 81.5  
63 37.5 26.7 40.1



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: 30.25 ng

RT: 6.78 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF080435.D

Acq: 13 Jul 2015 19:34

Instrument :

BNA\_F

ClientSampleId :

FB

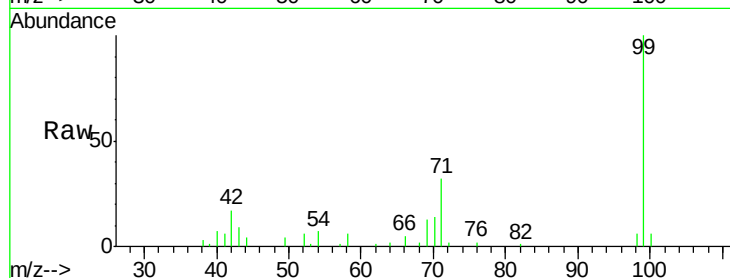
Tgt Ion: 99 Resp: 50246

Ion Ratio Lower Upper

99 100

42 16.9 17.9 26.9#

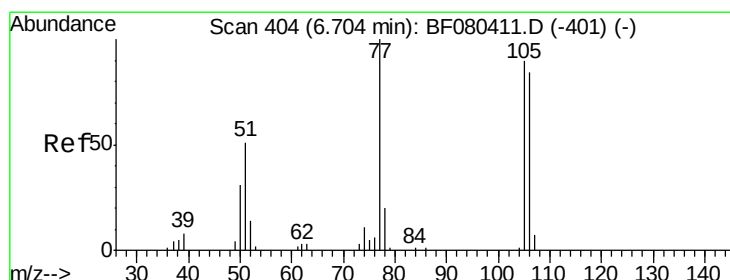
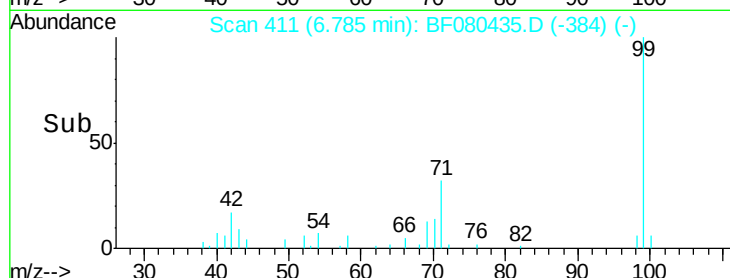
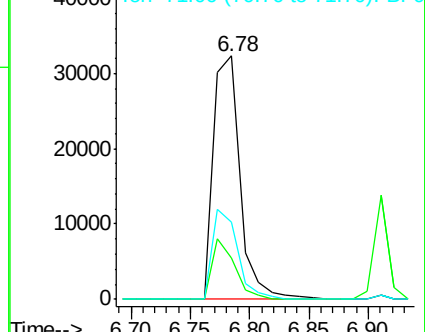
71 31.6 30.1 45.1



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: 3.37 ng

RT: 6.91 min Scan# 422

Delta R.T. 0.22 min

Lab File: BF080435.D

Acq: 13 Jul 2015 19:34

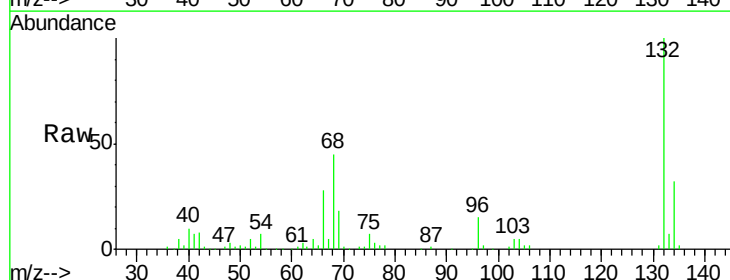
Tgt Ion: 77 Resp: 3097

Ion Ratio Lower Upper

77 100

105 84.2 69.6 109.6

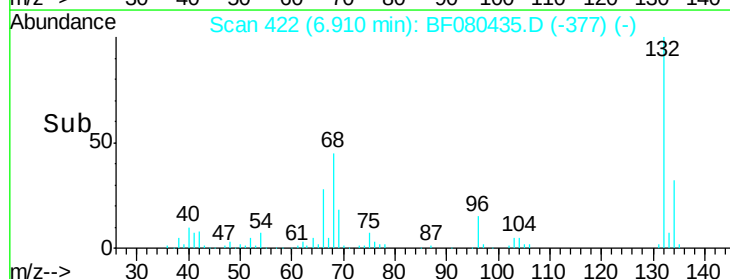
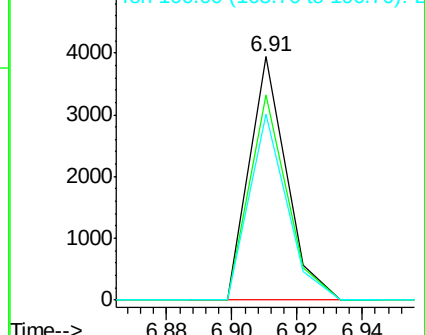
106 76.4 63.6 103.6

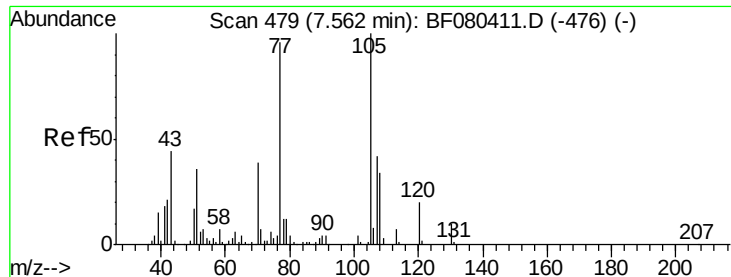


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

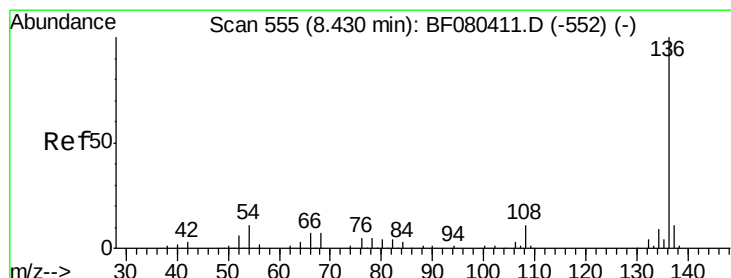
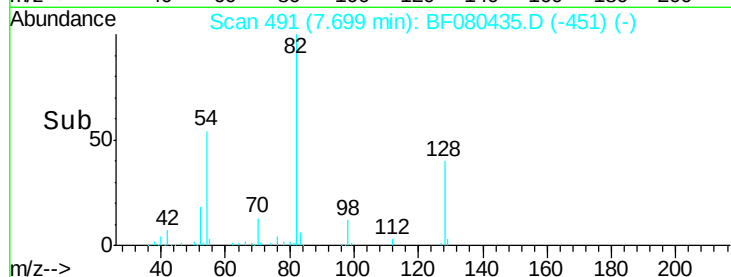
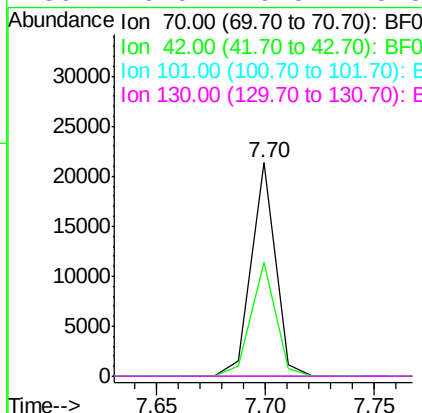
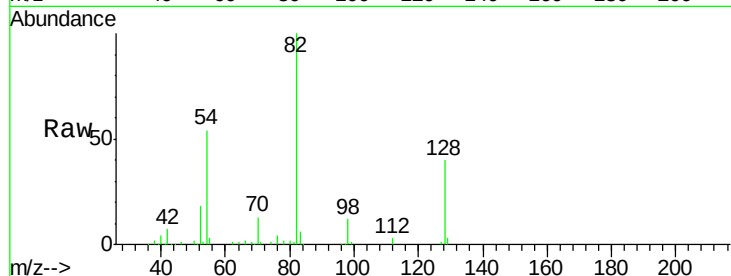




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.55 ng  
RT: 7.70 min Scan# 491  
Delta R.T. 0.16 min  
Lab File: BF080435.D  
Acq: 13 Jul 2015 19:34

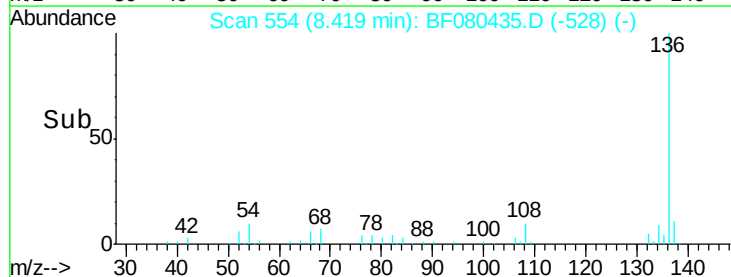
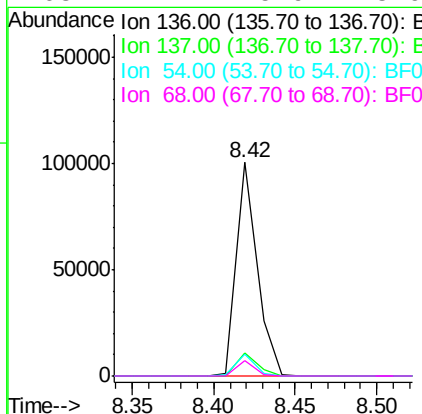
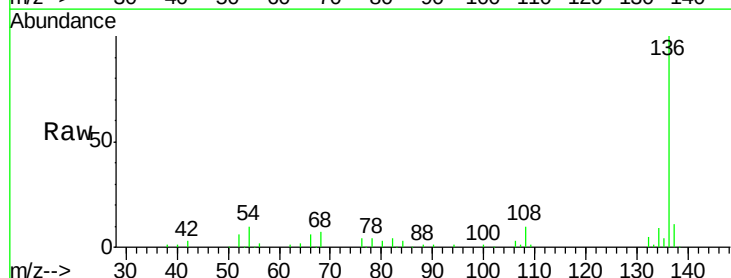
Instrument :  
BNA\_F  
ClientSampleId :  
FB

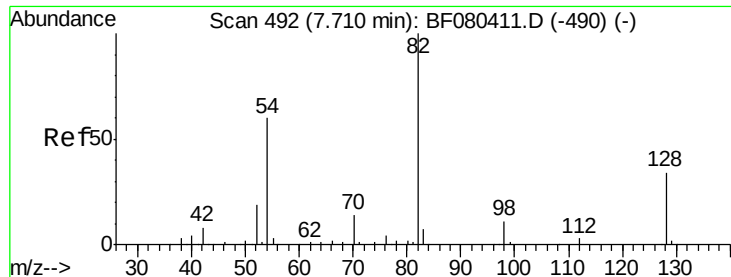
Tgt Ion: 70 Resp: 16533  
Ion Ratio Lower Upper  
70 100  
42 53.4 43.4 65.0  
101 0.0 9.0 13.6#  
130 0.0 19.5 29.3#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.42 min Scan# 554  
Delta R.T. 0.00 min  
Lab File: BF080435.D  
Acq: 13 Jul 2015 19:34

Tgt Ion: 136 Resp: 88236  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.0 13.4  
54 10.5 9.1 13.7  
68 7.2 5.9 8.9

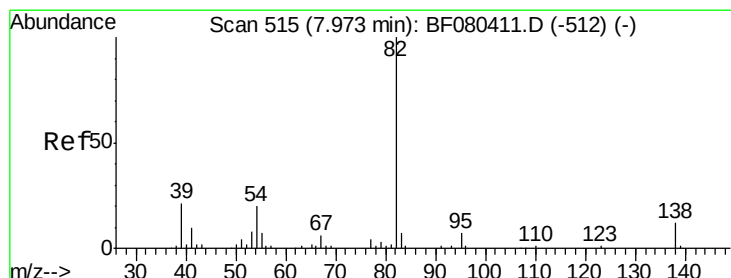
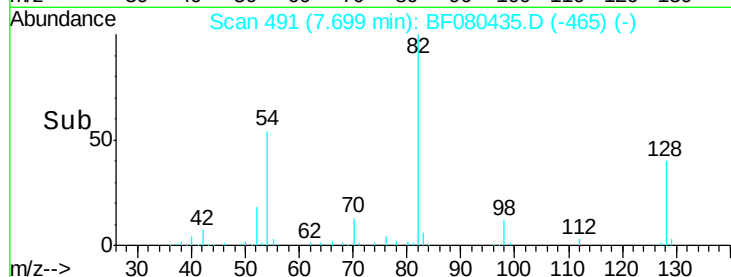
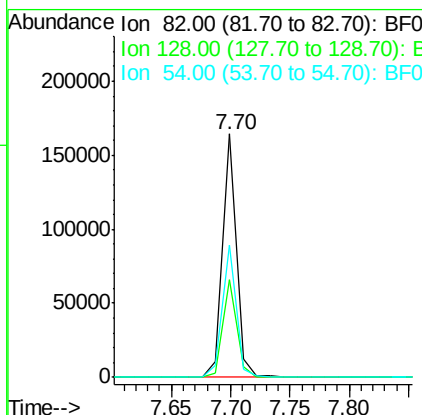
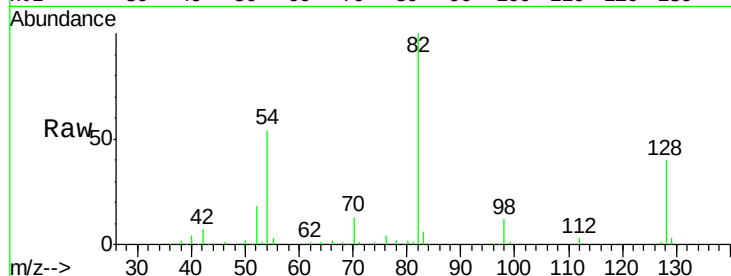




#23  
Nitrobenzene-d5  
Concen: 84.64 ng  
RT: 7.70 min Scan# 491  
Delta R.T. 0.00 min  
Lab File: BF080435.D  
Acq: 13 Jul 2015 19:34

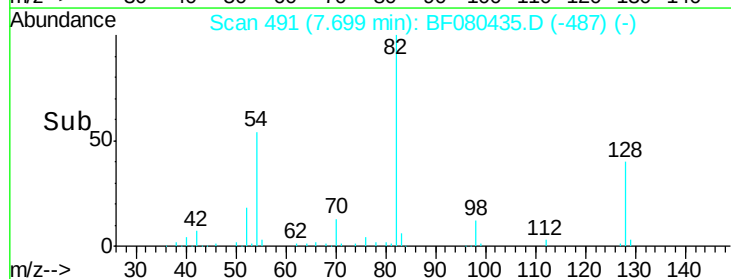
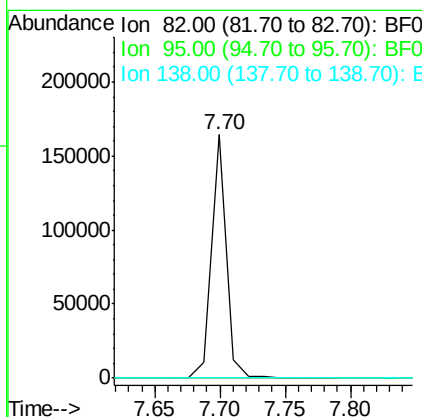
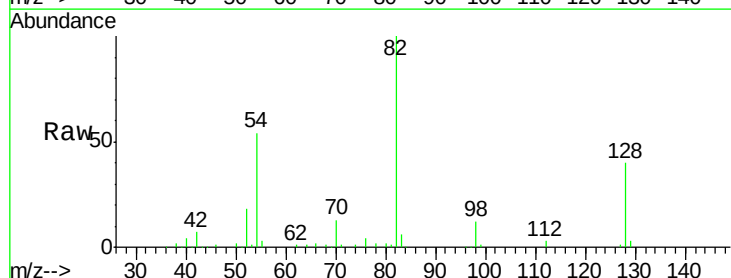
Instrument :  
BNA\_F  
ClientSampled :  
FB

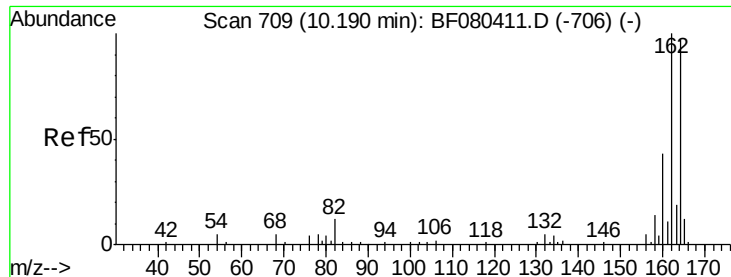
Tgt Ion: 82 Resp: 130951  
Ion Ratio Lower Upper  
82 100  
128 40.3 26.9 40.3#  
54 54.2 47.7 71.5



#25  
Isophorone  
Concen: 47.23 ng  
RT: 7.70 min Scan# 491  
Delta R.T. -0.25 min  
Lab File: BF080435.D  
Acq: 13 Jul 2015 19:34

Tgt Ion: 82 Resp: 130947  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.2#  
138 0.0 9.5 14.3#

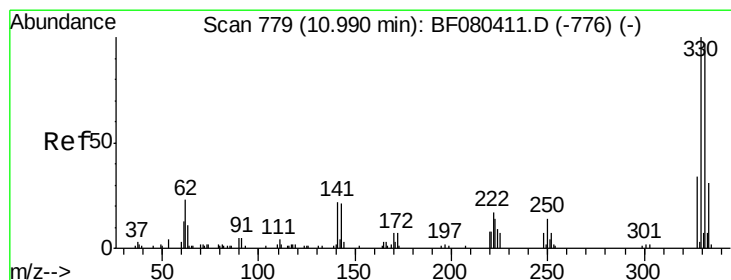
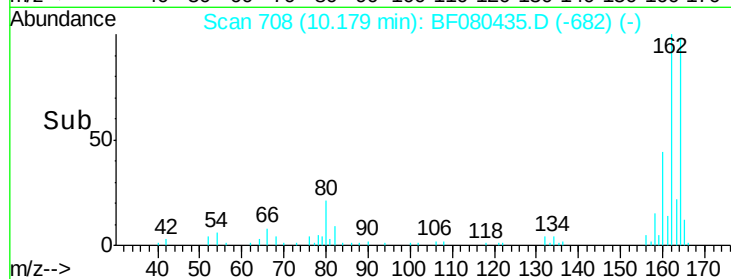
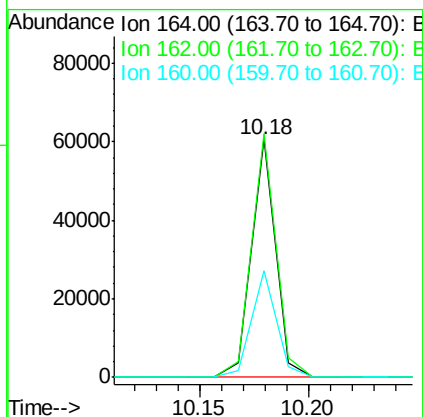
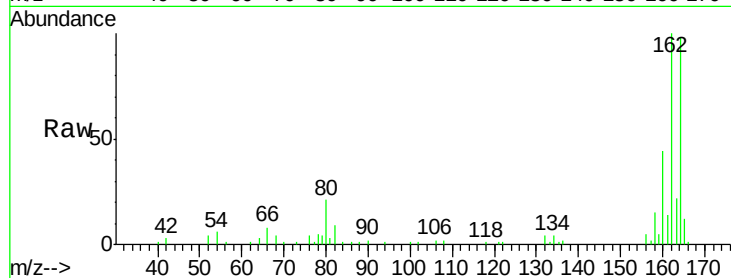




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.18 min Scan# 708  
 Delta R.T. 0.00 min  
 Lab File: BF080435.D  
 Acq: 13 Jul 2015 19:34

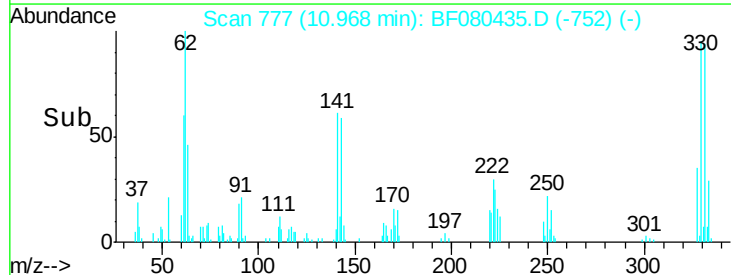
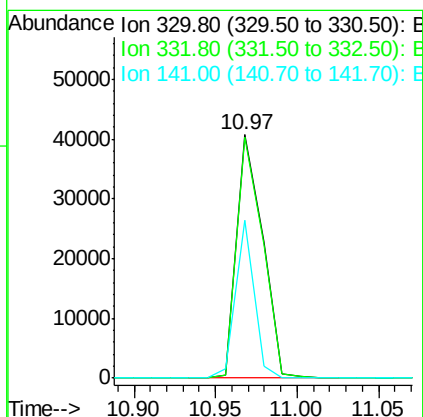
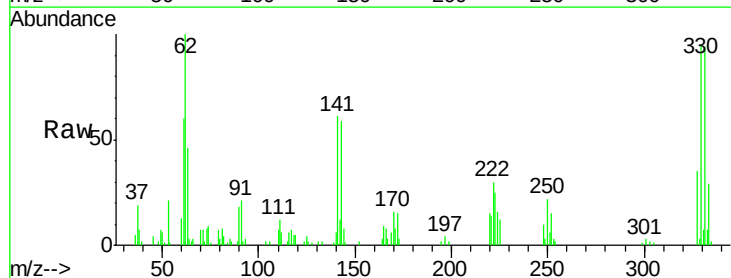
Instrument :  
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 ClientSampled :  
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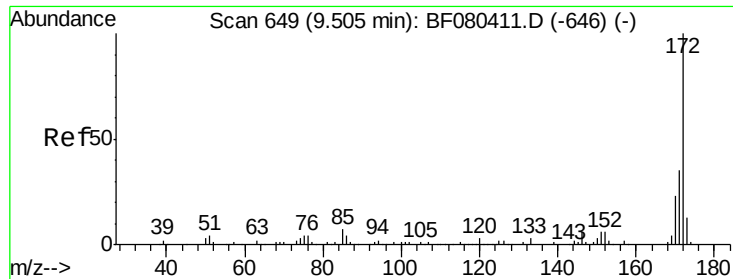
Tgt Ion:164 Resp: 46664  
 Ion Ratio Lower Upper  
 164 100  
 162 102.1 82.7 124.1  
 160 44.5 35.5 53.3



#41  
 2,4,6-Tribromophenol  
 Concen: 98.10 ng  
 RT: 10.97 min Scan# 777  
 Delta R.T. -0.01 min  
 Lab File: BF080435.D  
 Acq: 13 Jul 2015 19:34

Tgt Ion:330 Resp: 44679  
 Ion Ratio Lower Upper  
 330 100  
 332 98.7 78.0 117.0  
 141 46.2 28.6 43.0#

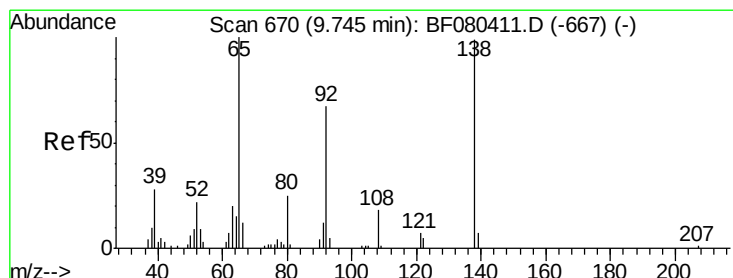
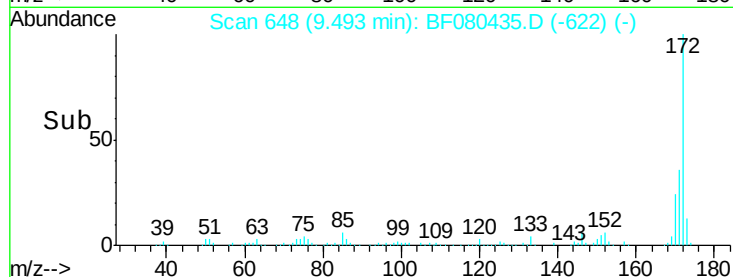
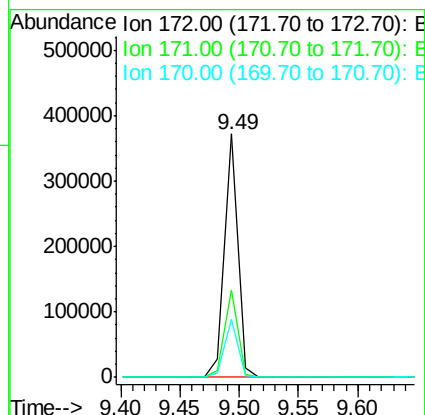
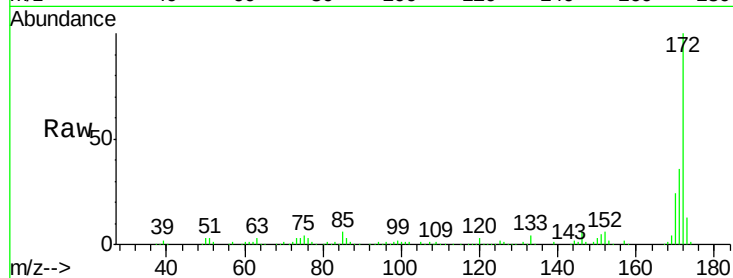




#44  
 2-Fluorobiphenyl  
 Concen: 82.78 ng  
 RT: 9.49 min Scan# 648  
 Delta R.T. 0.00 min  
 Lab File: BF080435.D  
 Acq: 13 Jul 2015 19:34

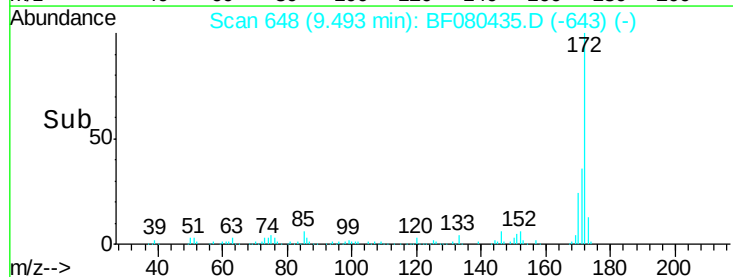
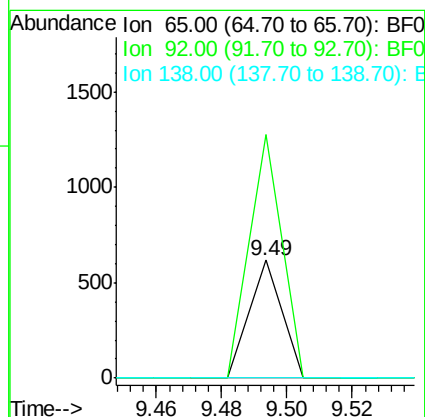
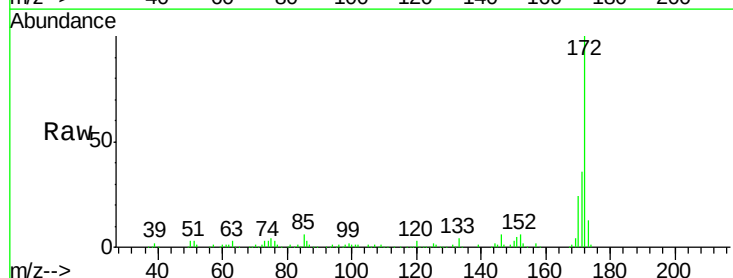
Instrument :  
 BNA\_F  
 ClientSampled :  
 FB

Tgt Ion: 172 Resp: 286789  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 28.4 42.6  
 170 23.6 18.6 28.0

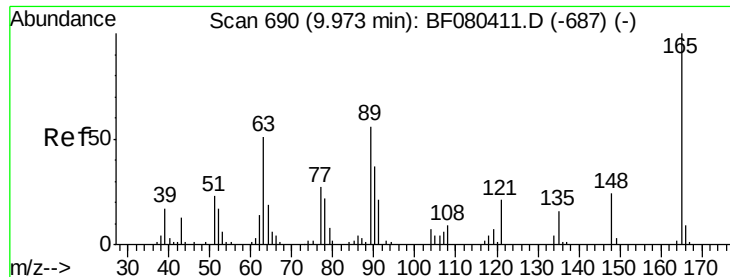


#47  
 2-Nitroaniline  
 Concen: 5.04 ng  
 RT: 9.49 min Scan# 648  
 Delta R.T. -0.24 min  
 Lab File: BF080435.D  
 Acq: 13 Jul 2015 19:34

Tgt Ion: 65 Resp: 424  
 Ion Ratio Lower Upper  
 65 100  
 92 206.1 53.2 79.8#  
 138 0.0 78.9 118.3#



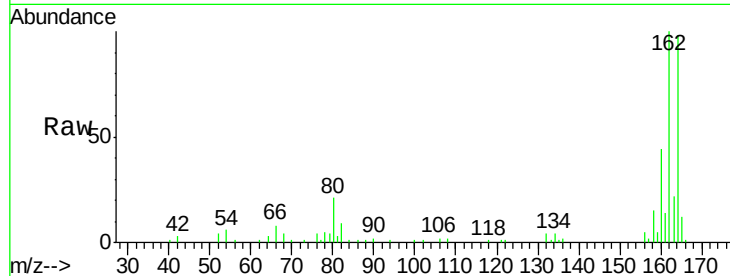




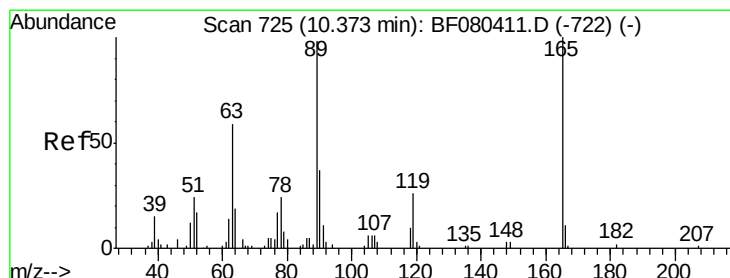
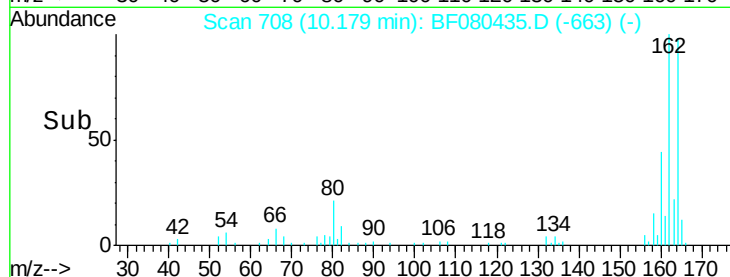
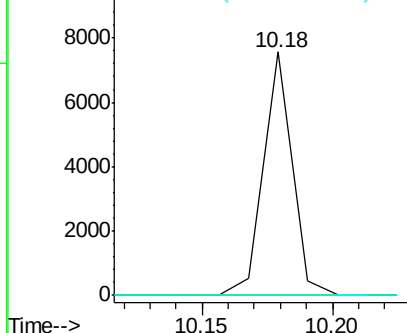
#50  
2,6-Dinitrotoluene  
Concen: 7.38 ng  
RT: 10.18 min Scan# 708  
Delta R.T. 0.22 min  
Lab File: BF080435.D  
Acq: 13 Jul 2015 19:34

Instrument :  
BNA\_F  
ClientSampleId :  
FB

Tgt Ion:165 Resp: 5844  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.5 66.7#  
89 0.0 44.5 66.7#

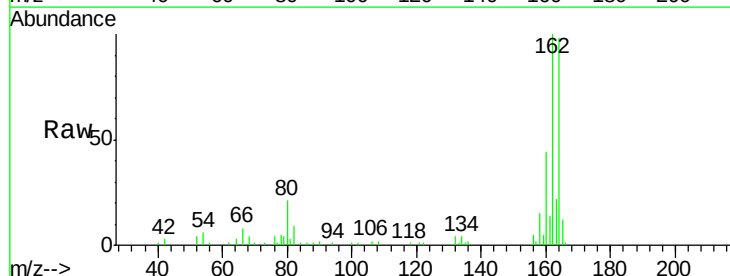


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0

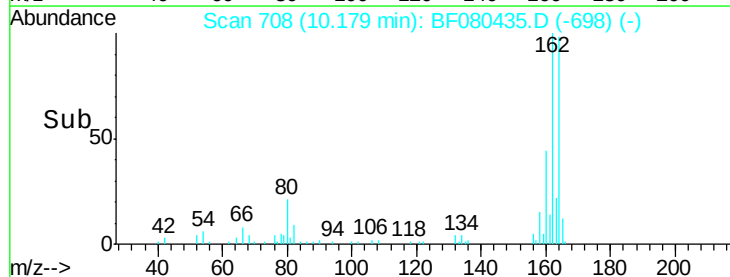
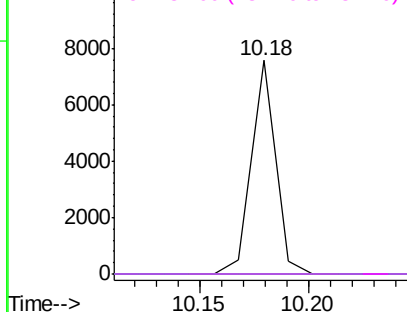


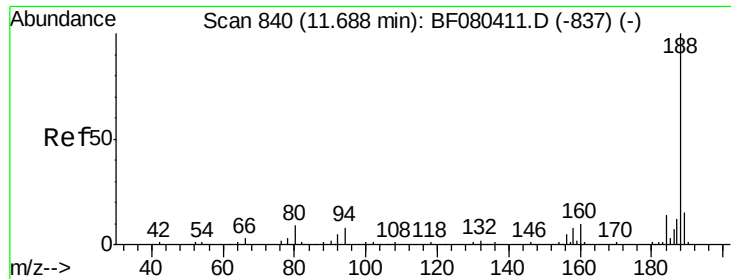
#56  
2,4-Dinitrotoluene  
Concen: 6.31 ng  
RT: 10.18 min Scan# 708  
Delta R.T. -0.18 min  
Lab File: BF080435.D  
Acq: 13 Jul 2015 19:34

Tgt Ion:165 Resp: 5845  
Ion Ratio Lower Upper  
165 100  
63 0.0 51.7 77.5#  
89 0.0 78.6 117.8#  
182 0.0 1.8 2.8#



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

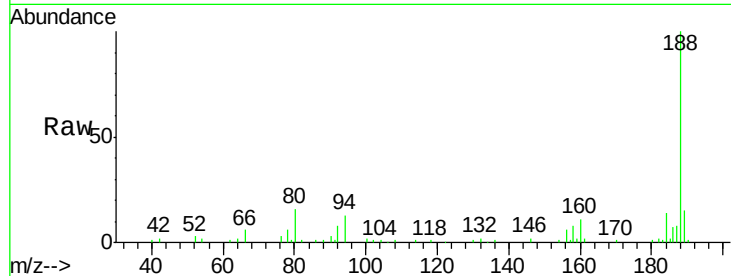




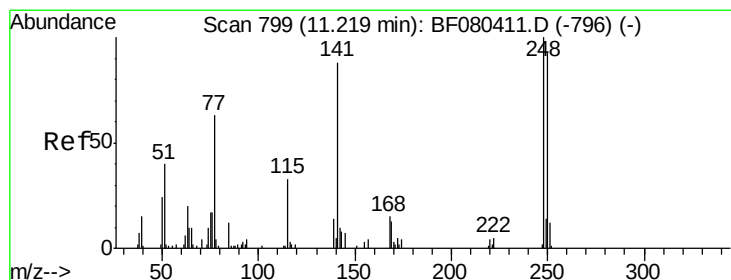
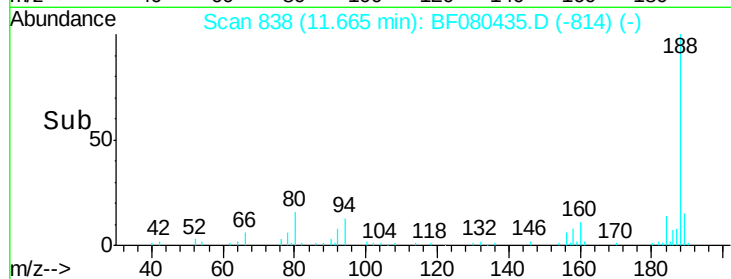
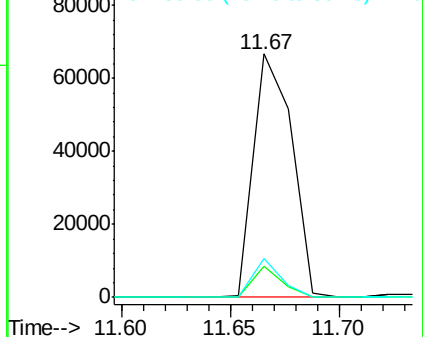
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.67 min Scan# 838  
 Delta R.T. -0.02 min  
 Lab File: BF080435.D  
 Acq: 13 Jul 2015 19:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB

Tgt Ion:188 Resp: 82253  
 Ion Ratio Lower Upper  
 188 100  
 94 12.9 6.7 10.1#  
 80 16.0 7.5 11.3#

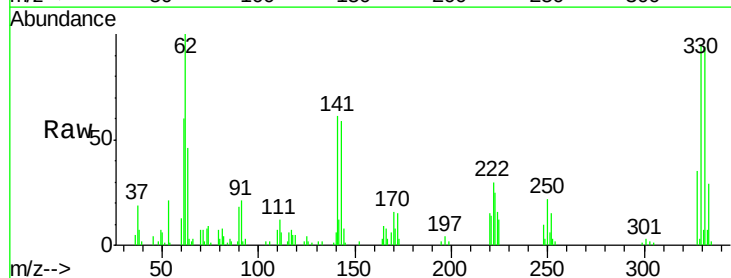


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

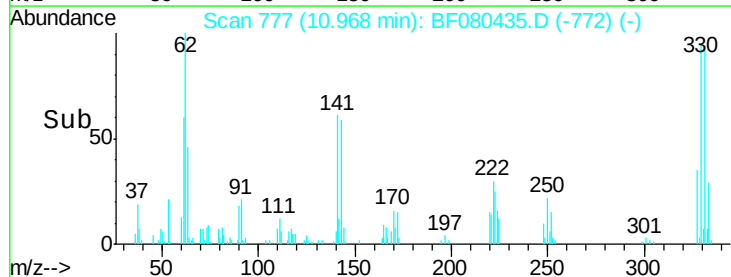
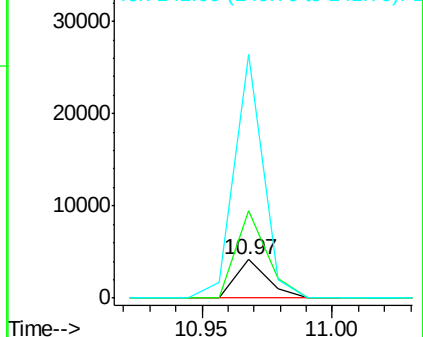


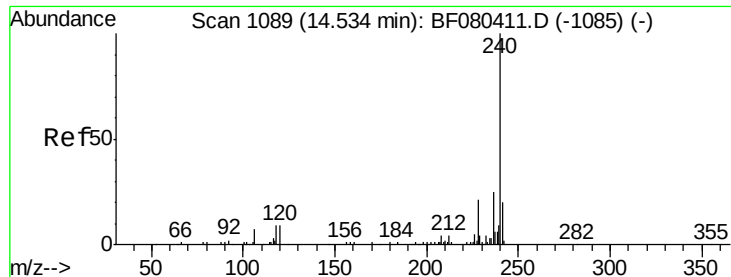
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.11 ng  
 RT: 10.97 min Scan# 777  
 Delta R.T. -0.24 min  
 Lab File: BF080435.D  
 Acq: 13 Jul 2015 19:34

Tgt Ion:248 Resp: 3601  
 Ion Ratio Lower Upper  
 248 100  
 250 226.2 74.2 111.4#  
 141 629.6 70.7 106.1#



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: 14.48 min Scan# 1084

Delta R.T. -0.24 min

Lab File: BF080435.D

Acq: 13 Jul 2015 19:34

Instrument :

BNA\_F

ClientSampleId :

FB

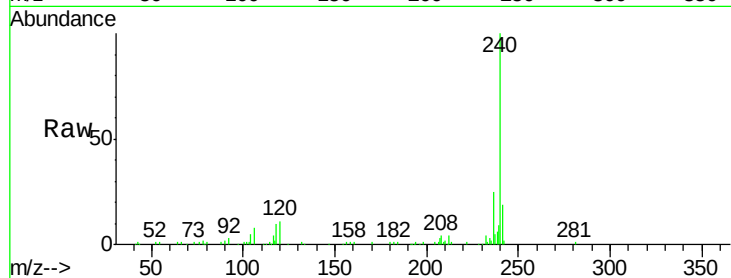
Tgt Ion:240 Resp: 93127

Ion Ratio Lower Upper

240 100

120 11.2 7.4 11.2#

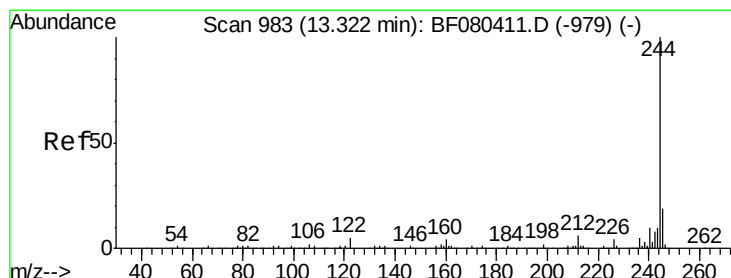
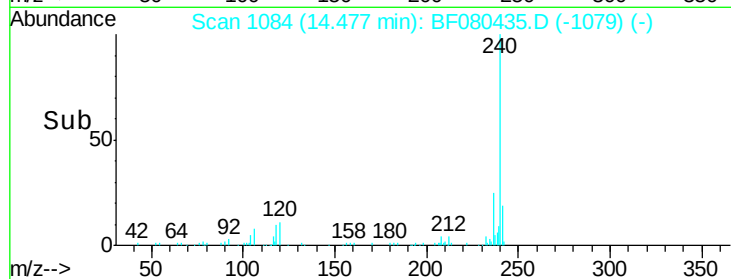
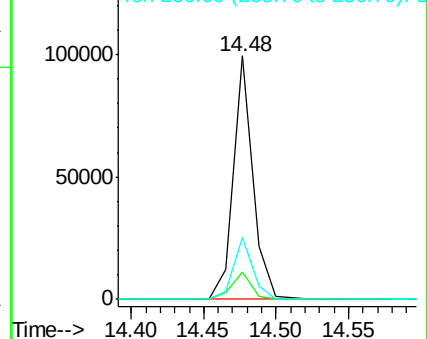
236 25.3 19.7 29.5



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: 75.81 ng

RT: 13.29 min Scan# 980

Delta R.T. -0.11 min

Lab File: BF080435.D

Acq: 13 Jul 2015 19:34

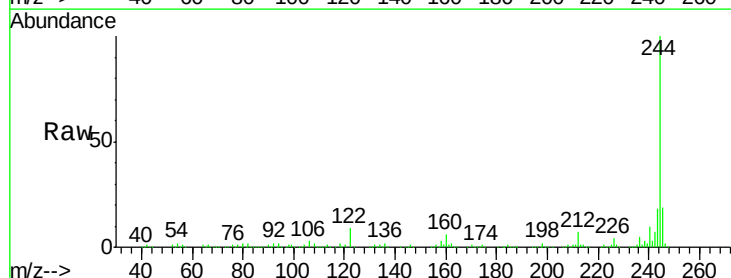
Tgt Ion:244 Resp: 325057

Ion Ratio Lower Upper

244 100

212 6.7 4.9 7.3

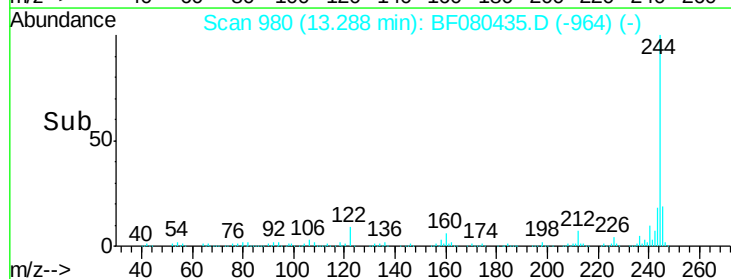
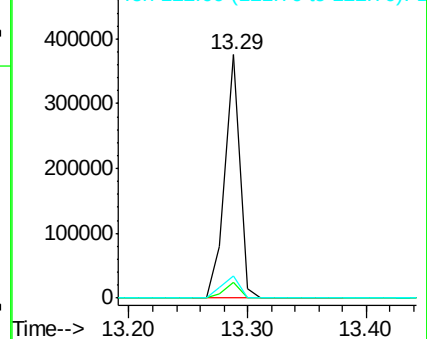
122 8.9 4.1 6.1#

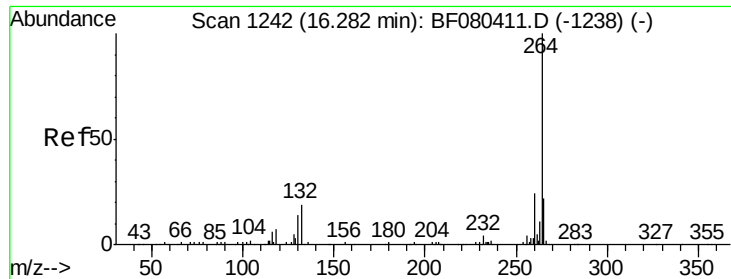


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 16.20 min Scan# 1235  
Delta R.T. -0.39 min  
Lab File: BF080435.D  
Acq: 13 Jul 2015 19:34

Instrument :  
BNA\_F  
ClientSampleId :  
FB

Tgt Ion: 264 Resp: 91816  
Ion Ratio Lower Upper  
264 100  
260 25.2 19.4 29.2  
265 20.7 17.8 26.8

