

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032116\  
 Data File : BF085652.D  
 Acq On : 22 Mar 2016 7:35  
 Operator : UM/SJ  
 Sample : H1834-09  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 15GW

Quant Time: Mar 22 07:01:06 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 18 23:31:39 2016  
 Response via : Initial Calibration

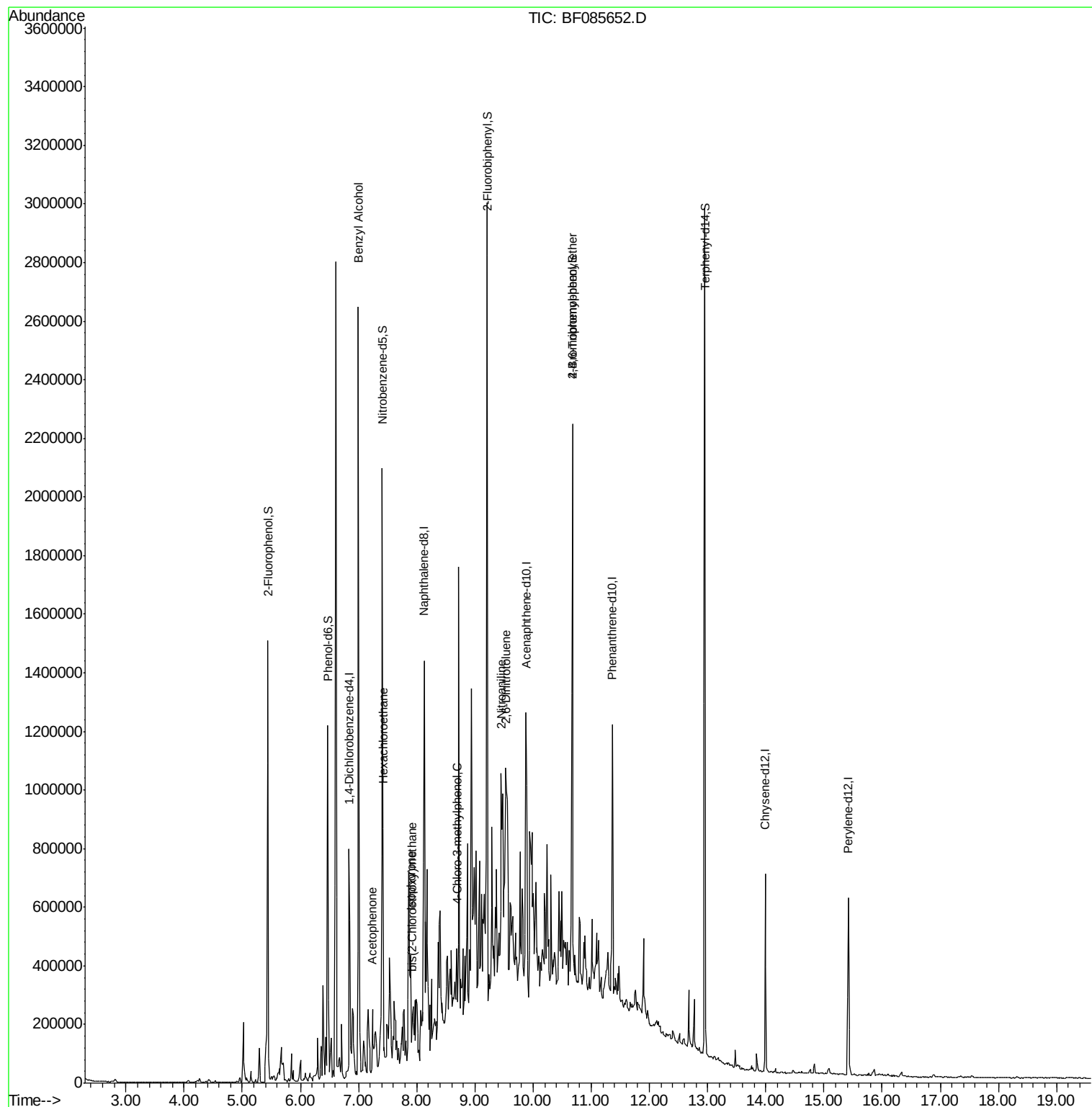
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.84  | 152  | 140474   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.13  | 136  | 554425   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.88  | 164  | 217524   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.36 | 188  | 327947   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 13.99 | 240  | 261088   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.42 | 264  | 261123   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.44  | 112  | 577538   | 69.06  | ng    | -0.01    |
| 7) Phenol-d6                   | 6.47  | 99   | 437683   | 40.80  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 785422   | 82.23  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.68 | 330  | 295020   | 138.46 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.21  | 172  | 1433987  | 128.70 | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.95 | 244  | 981446   | 90.46  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 7.00  | 79   | 16448    | 2.24   | ng    | # 49     |
| 18) Hexachloroethane           | 7.42  | 117  | 117844   | 30.35  | ng    | # 21     |
| 22) Acetophenone               | 7.24  | 105  | 56787    | 4.32   | ng    | # 56     |
| 25) Isophorone                 | 7.90  | 82   | 41232    | 2.16   | ng    | # 61     |
| 28) bis(2-Chloroethoxy)methane | 7.92  | 93   | 27440    | 2.52   | ng    | # 67     |
| 36) 4-Chloro-3-methylphenol    | 8.69  | 107  | 20400    | 2.31   | ng    | # 24     |
| 47) 2-Nitroaniline             | 9.45  | 65   | 43420    | 10.47  | ng    | # 27     |
| 50) 2,6-Dinitrotoluene         | 9.53  | 165  | 24977    | 7.21   | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.68 | 248  | 20141    | 6.15   | ng    | # 1      |

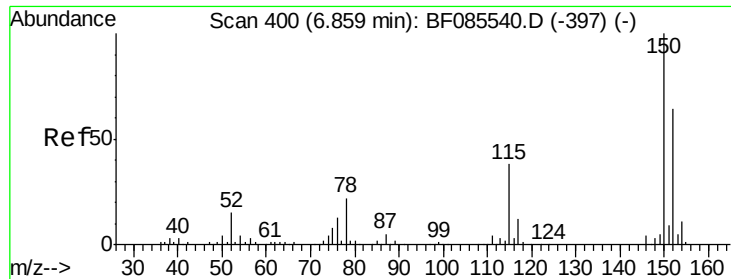
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.02 min

Lab File: BF085652.D

Acq: 22 Mar 2016 7:35

Instrument :

BNA\_F

ClientSampleId :

15GW

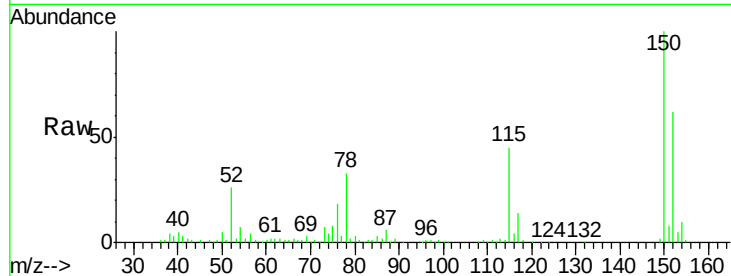
Tgt Ion:152 Resp: 140474

Ion Ratio Lower Upper

152 100

150 160.6 124.2 186.2

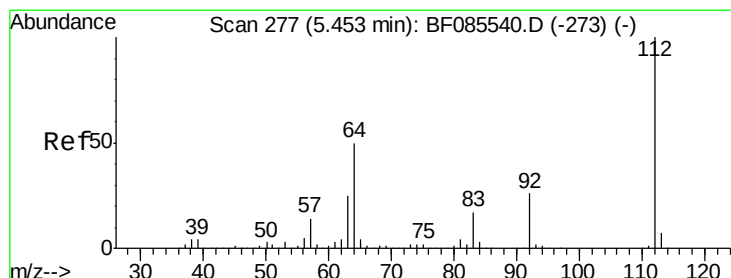
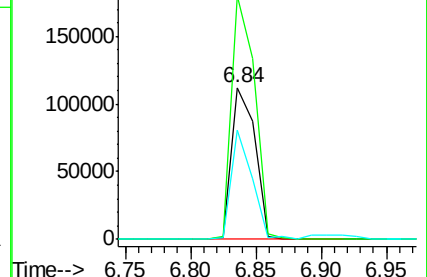
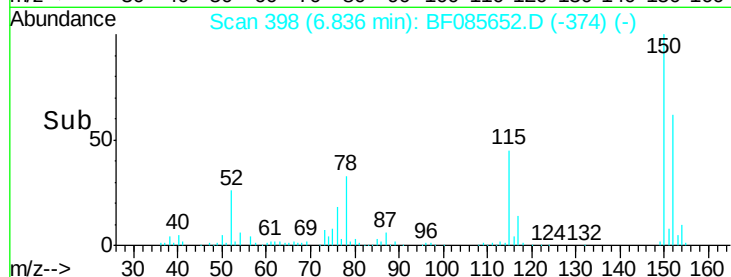
115 71.6 47.0 70.6#



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: 69.06 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.01 min

Lab File: BF085652.D

Acq: 22 Mar 2016 7:35

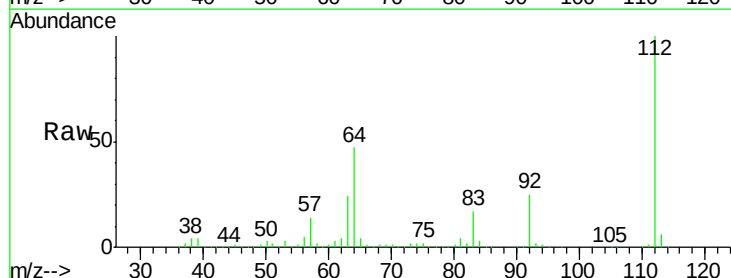
Tgt Ion:112 Resp: 577538

Ion Ratio Lower Upper

112 100

64 47.5 39.9 59.9

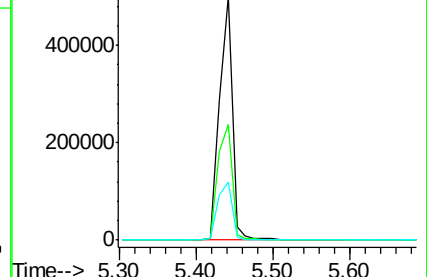
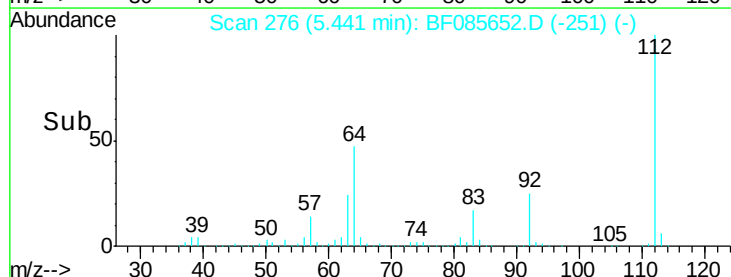
63 24.0 20.2 30.2

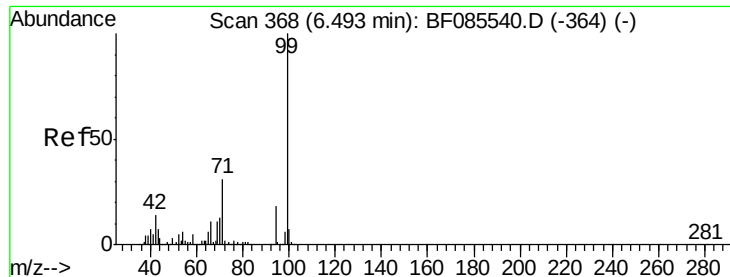


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.80 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085652.D

Acq: 22 Mar 2016 7:35

Instrument :

BNA\_F

ClientSampleId :

15GW

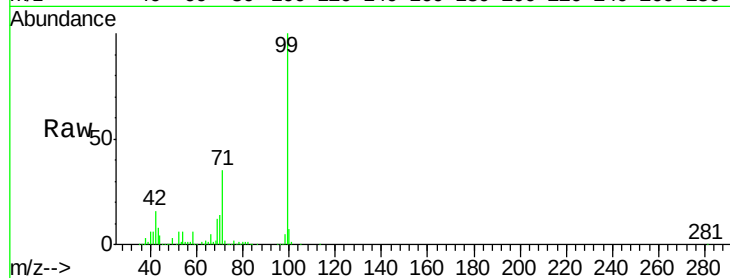
Tgt Ion: 99 Resp: 437683

Ion Ratio Lower Upper

99 100

42 15.8 11.1 16.7

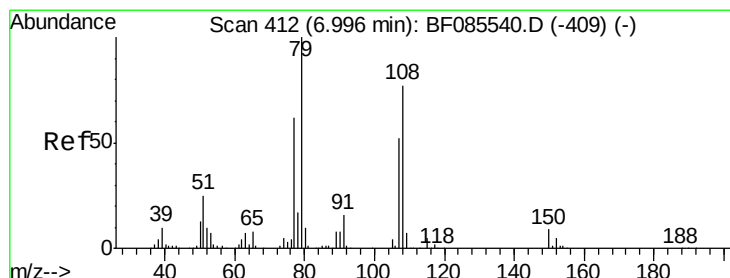
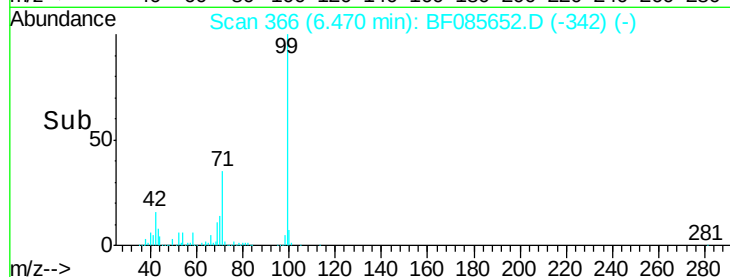
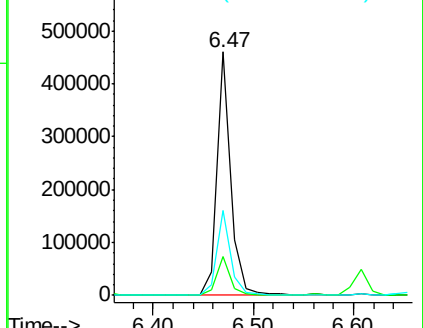
71 34.6 24.9 37.3



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



#15

Benzyl Alcohol

Concen: 2.24 ng

RT: 7.00 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF085652.D

Acq: 22 Mar 2016 7:35

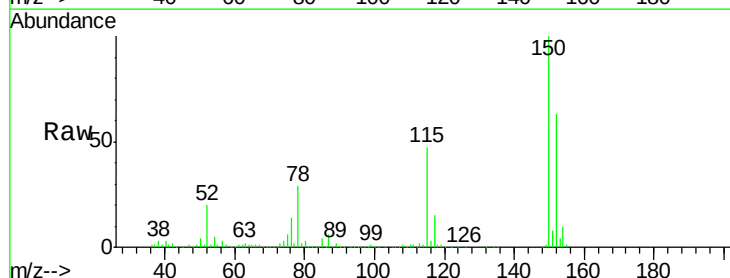
Tgt Ion: 79 Resp: 16448

Ion Ratio Lower Upper

79 100

108 30.0 61.8 92.6#

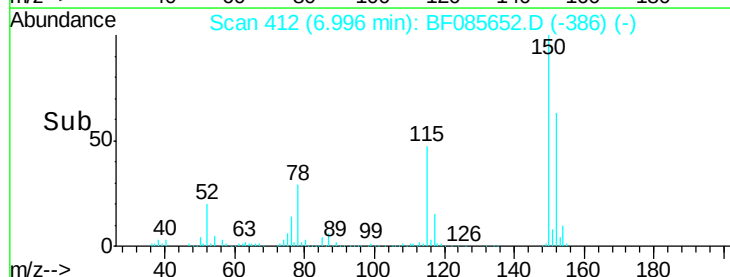
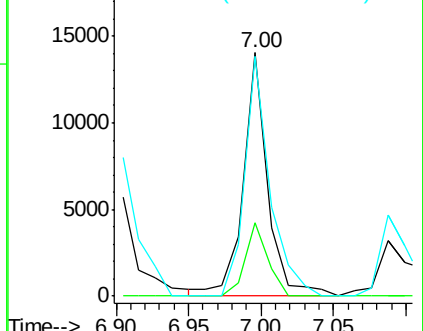
77 98.5 49.6 74.4#

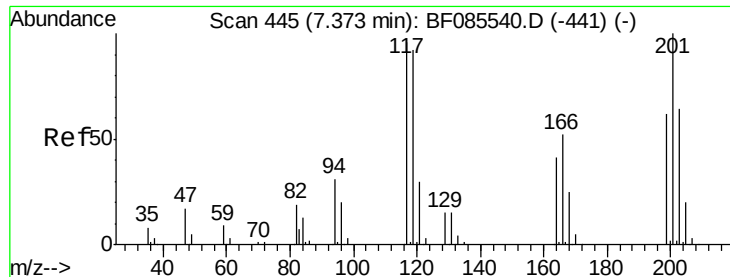


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

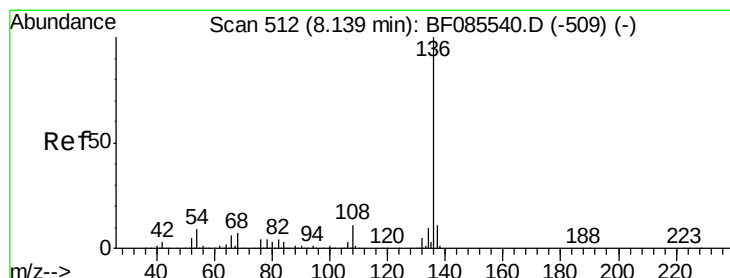
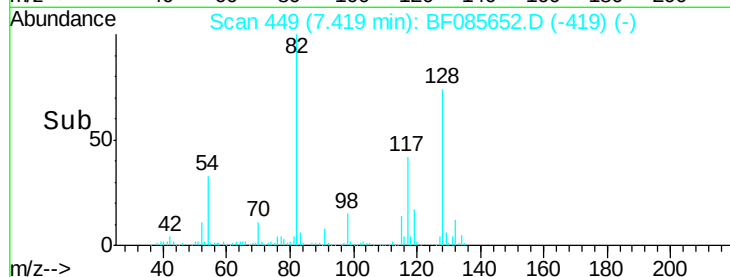
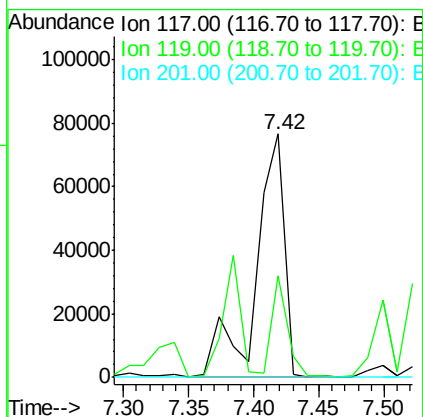
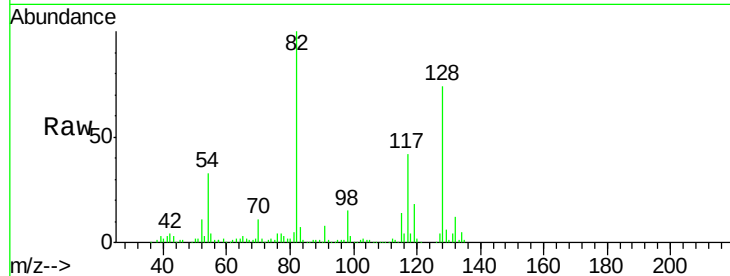




#18  
Hexachloroethane  
Concen: 30.35 ng  
RT: 7.42 min Scan# 449  
Delta R.T. 0.05 min  
Lab File: BF085652.D  
Acq: 22 Mar 2016 7:35

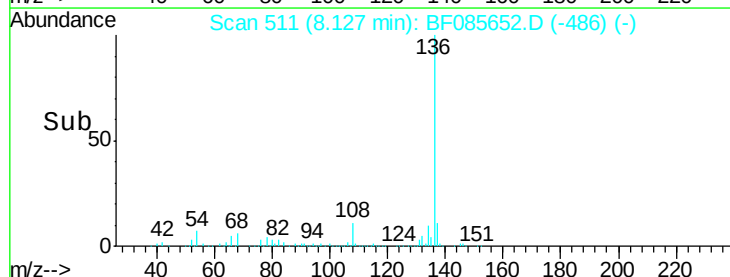
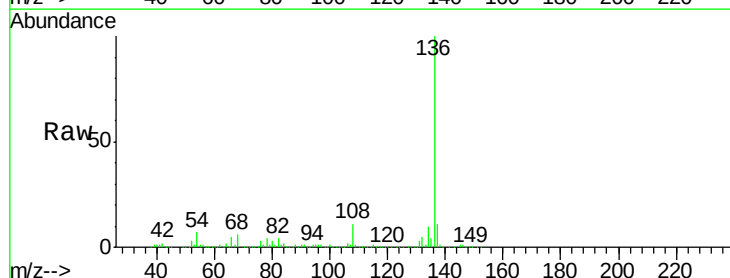
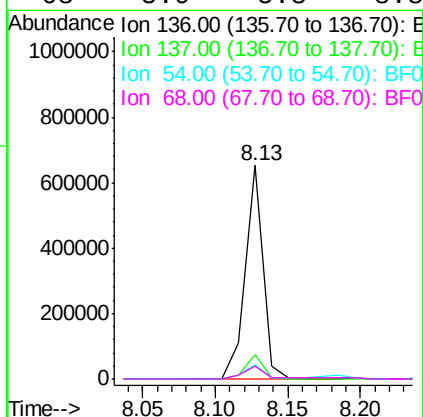
Instrument :  
BNA\_F  
ClientSampled :  
15GW

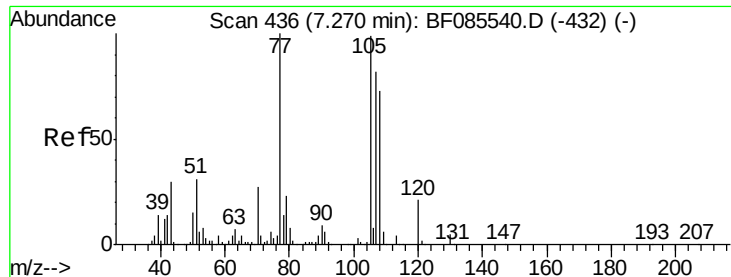
Tgt Ion:117 Resp: 117844  
Ion Ratio Lower Upper  
117 100  
119 41.9 76.7 115.1#  
201 0.0 83.3 124.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.13 min Scan# 511  
Delta R.T. -0.01 min  
Lab File: BF085652.D  
Acq: 22 Mar 2016 7:35

Tgt Ion:136 Resp: 554425  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.1 13.7  
54 6.9 7.4 11.0#  
68 5.9 5.8 8.8

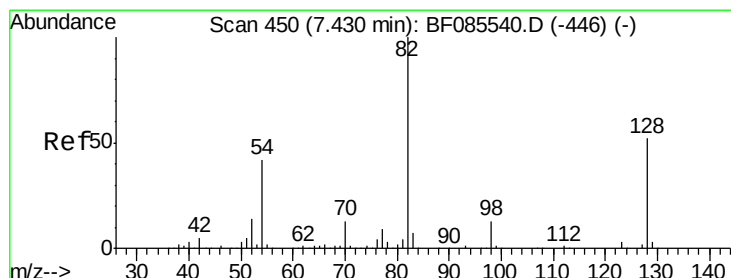
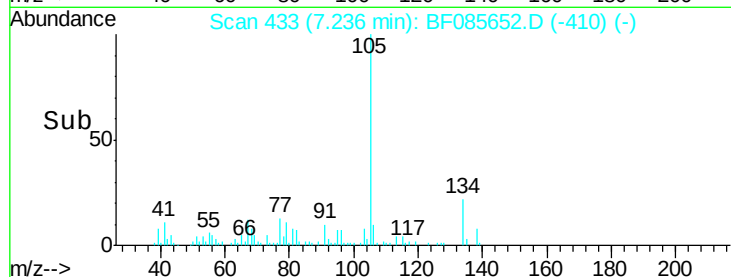
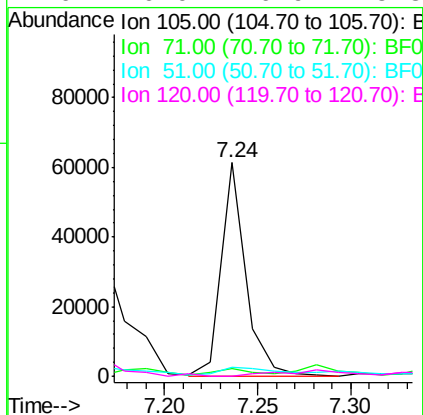
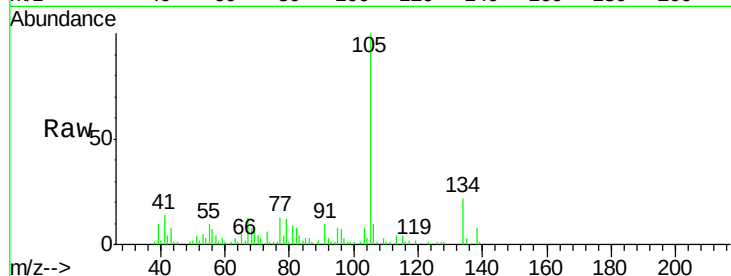




#22  
Acetophenone  
Concen: 4.32 ng  
RT: 7.24 min Scan# 433  
Delta R.T. -0.03 min  
Lab File: BF085652.D  
Acq: 22 Mar 2016 7:35

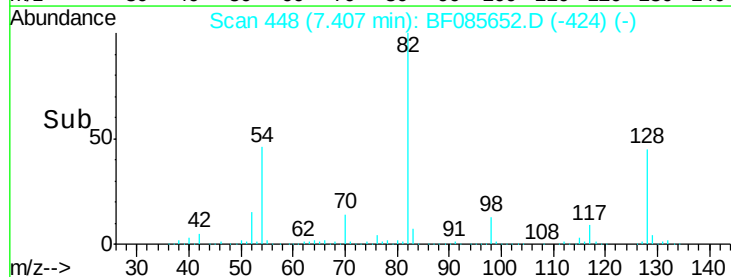
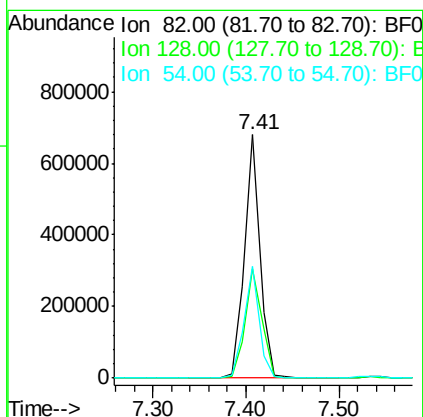
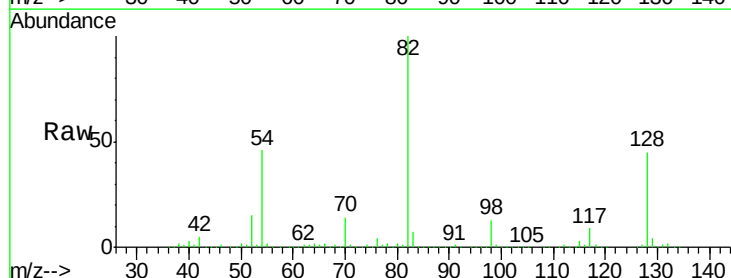
Instrument :  
BNA\_F  
ClientSampleId :  
15GW

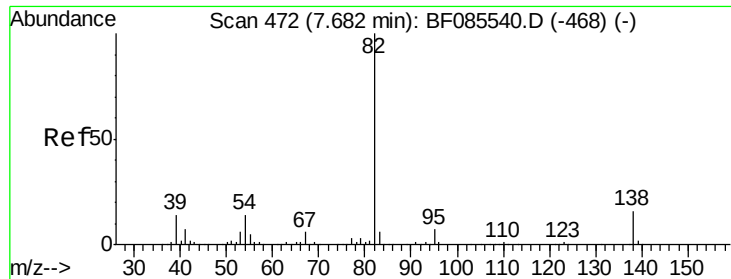
Tgt Ion: 105 Resp: 56787  
Ion Ratio Lower Upper  
105 100  
71 3.4 3.6 5.4#  
51 4.5 25.4 38.0#  
120 0.0 16.9 25.3#



#23  
Nitrobenzene-d5  
Concen: 82.23 ng  
RT: 7.41 min Scan# 448  
Delta R.T. -0.02 min  
Lab File: BF085652.D  
Acq: 22 Mar 2016 7:35

Tgt Ion: 82 Resp: 785422  
Ion Ratio Lower Upper  
82 100  
128 45.0 41.8 62.8  
54 45.9 33.4 50.0





#25

Isophorone

Concen: 2.16 ng

RT: 7.90 min Scan# 491

Delta R.T. 0.22 min

Lab File: BF085652.D

Acq: 22 Mar 2016 7:35

Instrument :

BNA\_F

ClientSampled :

15GW

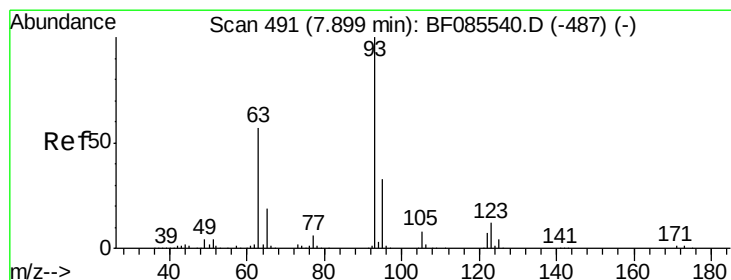
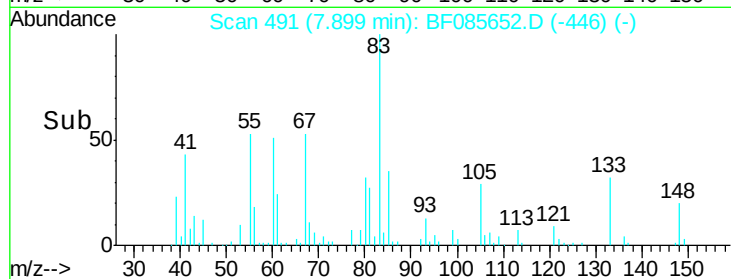
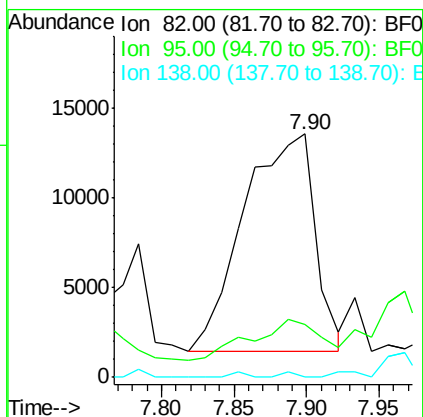
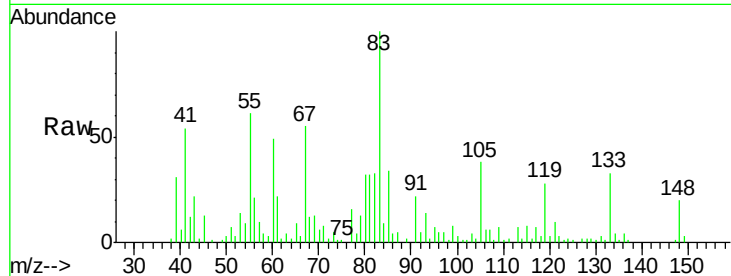
Tgt Ion: 82 Resp: 41232

Ion Ratio Lower Upper

82 100

95 21.6 5.4 8.2#

138 0.0 12.9 19.3#



#28

bis(2-Chloroethoxy)methane

Concen: 2.52 ng

RT: 7.92 min Scan# 493

Delta R.T. 0.02 min

Lab File: BF085652.D

Acq: 22 Mar 2016 7:35

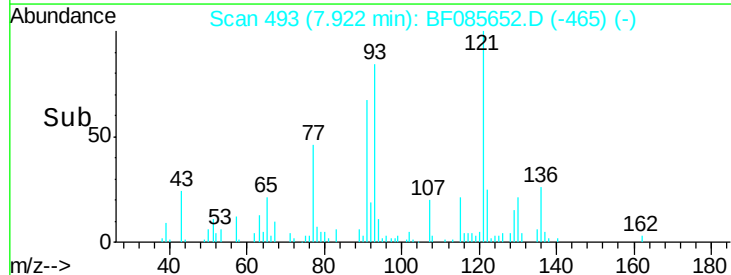
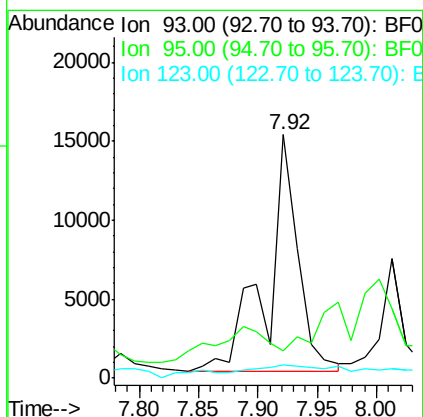
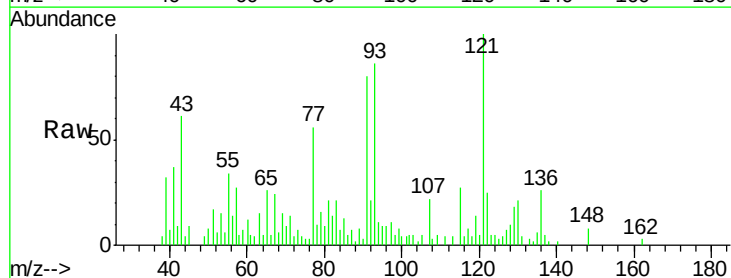
Tgt Ion: 93 Resp: 27440

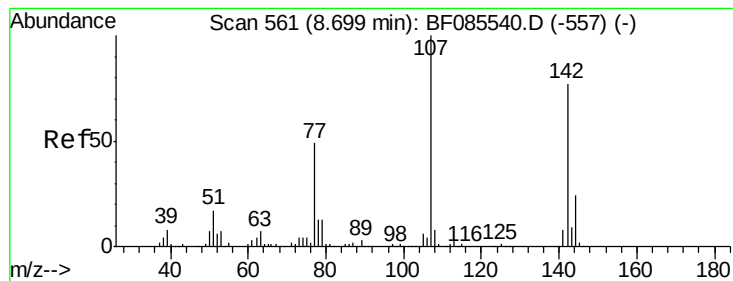
Ion Ratio Lower Upper

93 100

95 11.0 26.4 39.6#

123 5.6 9.8 14.6#

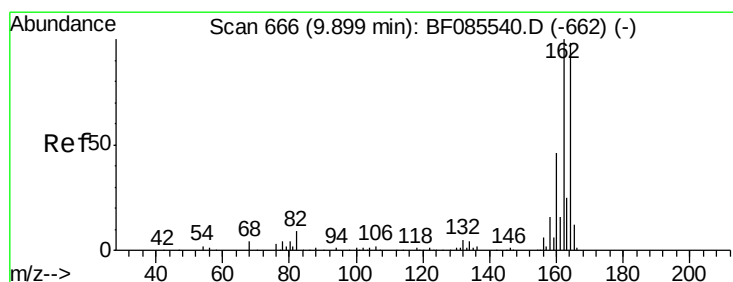
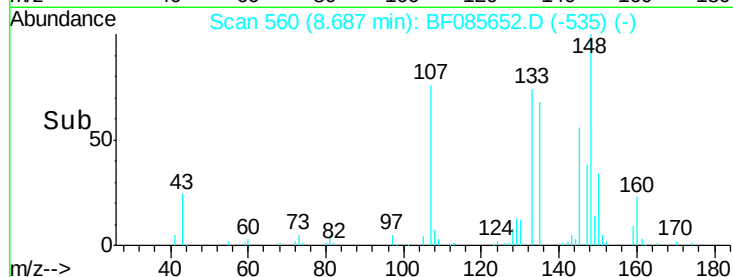
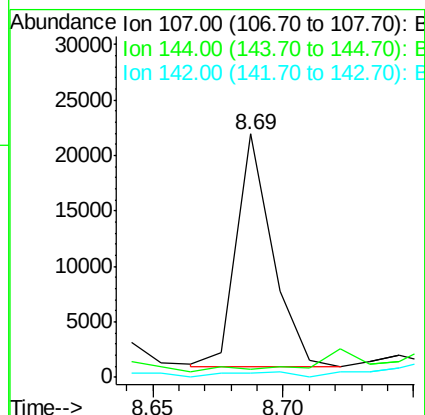
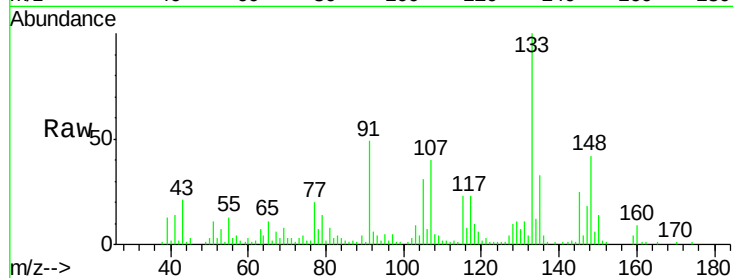




#36  
 4-Chloro-3-methylphenol  
 Concen: 2.31 ng  
 RT: 8.69 min Scan# 560  
 Delta R.T. -0.01 min  
 Lab File: BF085652.D  
 Acq: 22 Mar 2016 7:35

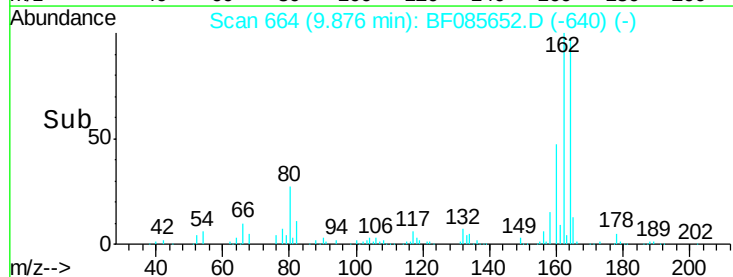
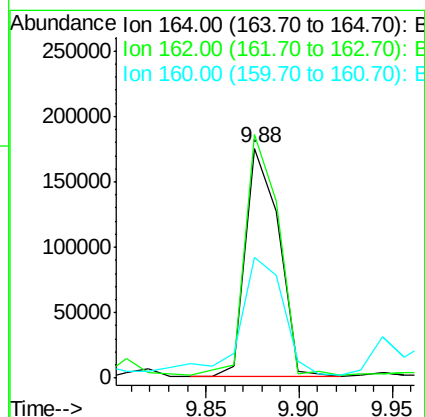
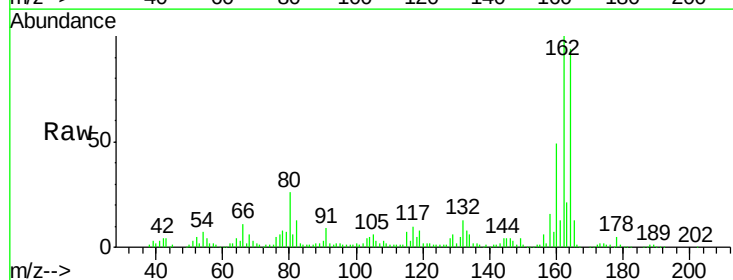
Instrument :  
 BNA\_F  
 ClientSampleId :  
 15GW

Tgt Ion:107 Resp: 20400  
 Ion Ratio Lower Upper  
 107 100  
 144 3.3 19.3 28.9#  
 142 1.9 61.4 92.0#

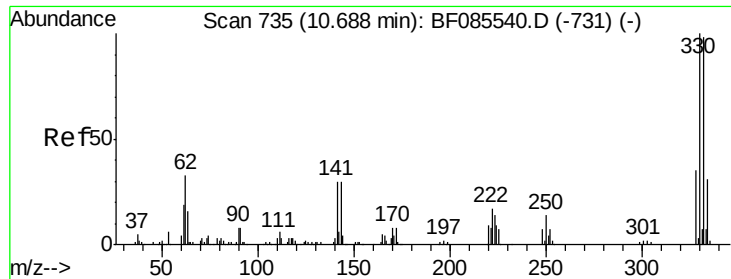


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.88 min Scan# 664  
 Delta R.T. -0.02 min  
 Lab File: BF085652.D  
 Acq: 22 Mar 2016 7:35

Tgt Ion:164 Resp: 217524  
 Ion Ratio Lower Upper  
 164 100  
 162 106.0 82.1 123.1  
 160 52.3 37.4 56.2



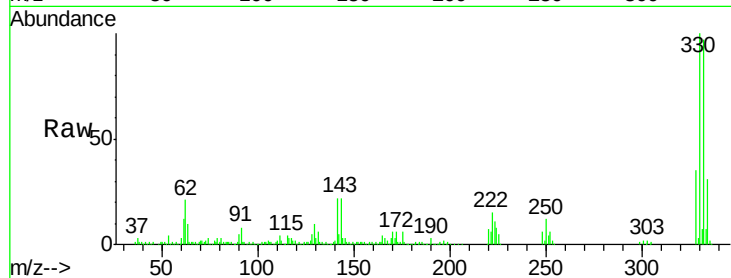




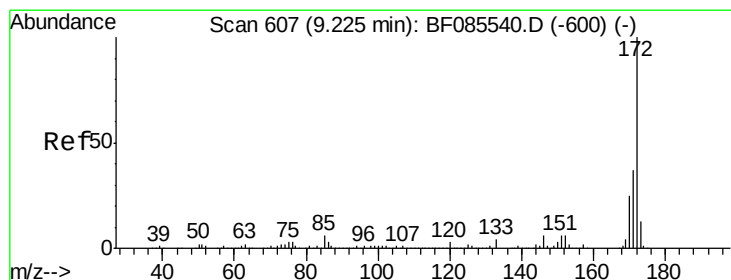
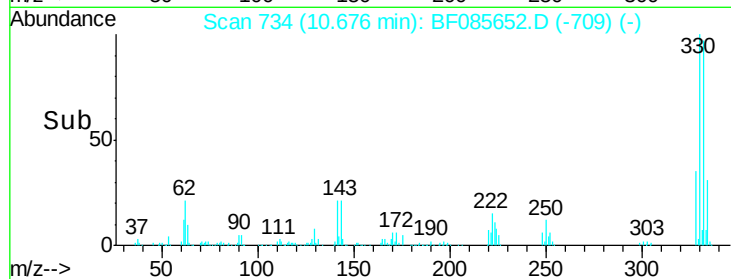
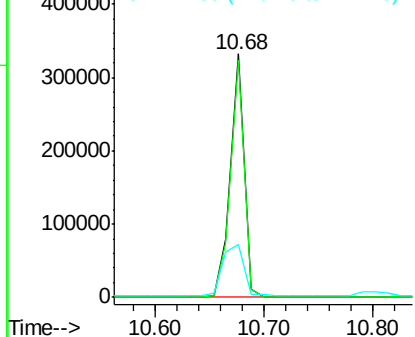
#41  
 2,4,6-Tribromophenol  
 Concen: 138.46 ng  
 RT: 10.68 min Scan# 734  
 Delta R.T. -0.01 min  
 Lab File: BF085652.D  
 Acq: 22 Mar 2016 7:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 15GW

Tgt Ion:330 Resp: 295020  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 78.2 117.2  
 141 33.5 31.5 47.3

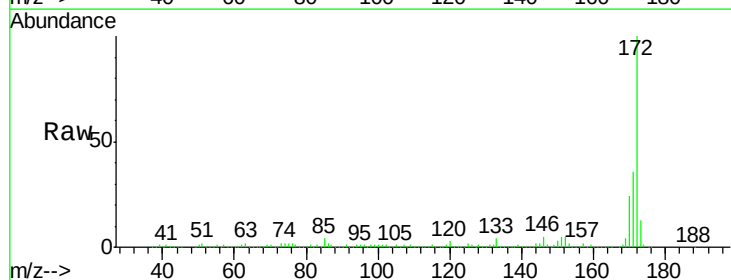


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

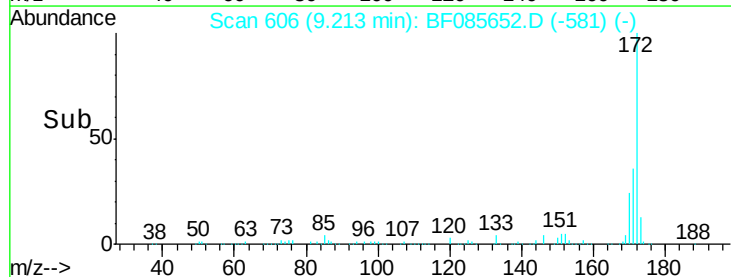
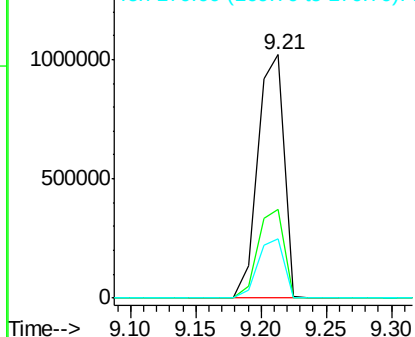


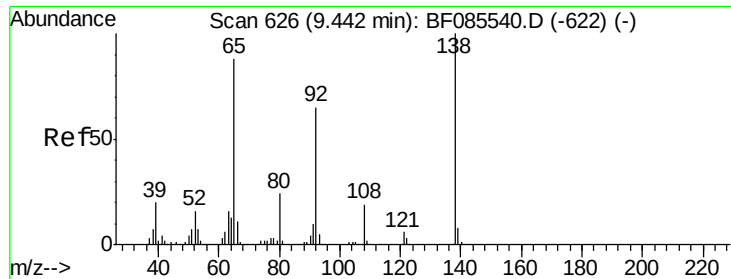
#44  
 2-Fluorobiphenyl  
 Concen: 128.70 ng  
 RT: 9.21 min Scan# 606  
 Delta R.T. -0.01 min  
 Lab File: BF085652.D  
 Acq: 22 Mar 2016 7:35

Tgt Ion:172 Resp: 1433987  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.4 44.2  
 170 24.2 19.8 29.6



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

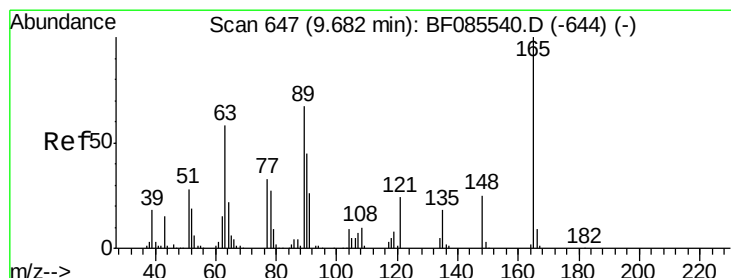
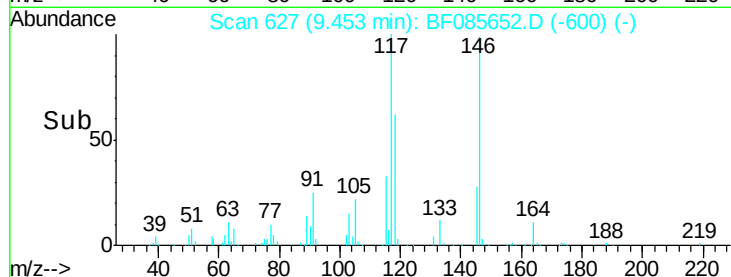
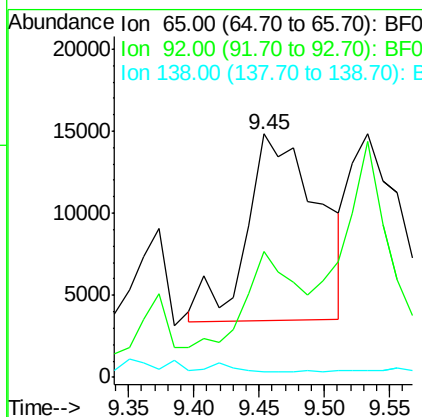
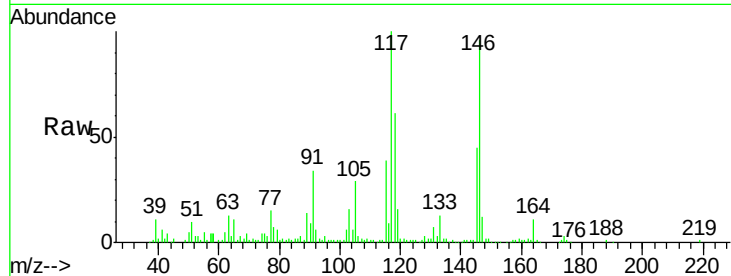




#47  
2-Nitroaniline  
Concen: 10.47 ng  
RT: 9.45 min Scan# 627  
Delta R.T. 0.01 min  
Lab File: BF085652.D  
Acq: 22 Mar 2016 7:35

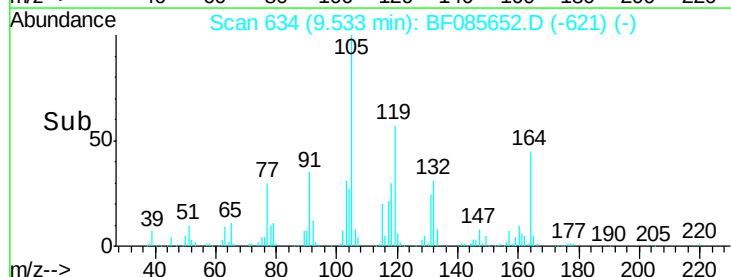
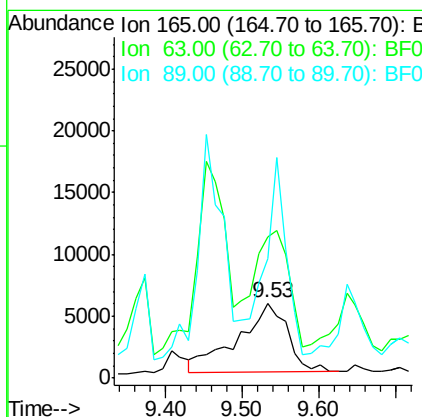
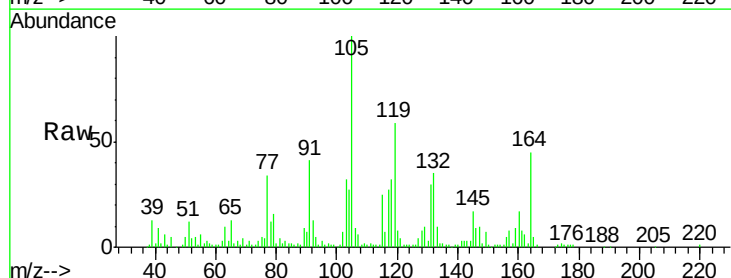
Instrument :  
BNA\_F  
ClientSampled :  
15GW

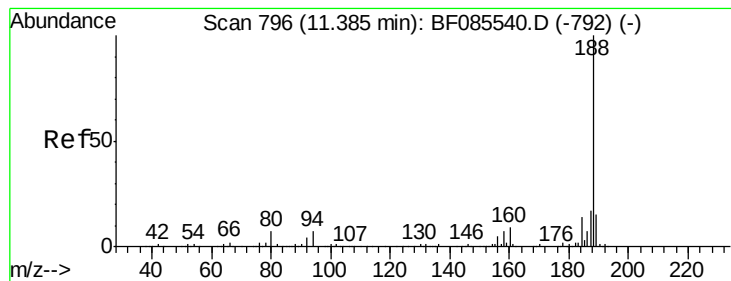
Tgt Ion: 65 Resp: 43420  
Ion Ratio Lower Upper  
65 100  
92 51.6 59.7 89.5#  
138 2.4 91.4 137.0#



#50  
2,6-Dinitrotoluene  
Concen: 7.21 ng  
RT: 9.53 min Scan# 634  
Delta R.T. -0.15 min  
Lab File: BF085652.D  
Acq: 22 Mar 2016 7:35

Tgt Ion: 165 Resp: 24977  
Ion Ratio Lower Upper  
165 100  
63 189.1 51.8 77.8#  
89 159.9 53.7 80.5#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 794

Delta R.T. -0.02 min

Lab File: BF085652.D

Acq: 22 Mar 2016 7:35

Instrument :

BNA\_F

ClientSampleId :

15GW

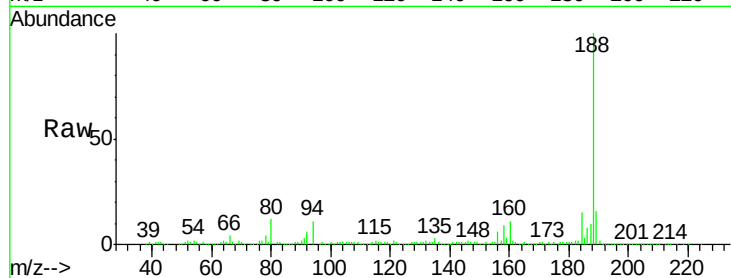
Tgt Ion:188 Resp: 327947

Ion Ratio Lower Upper

188 100

94 11.2 5.4 8.0#

80 11.7 5.5 8.3#



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

500000

400000

300000

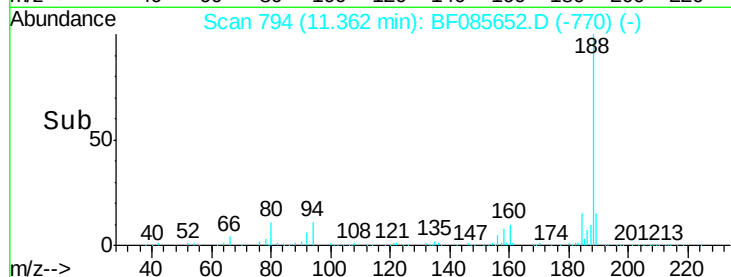
200000

100000

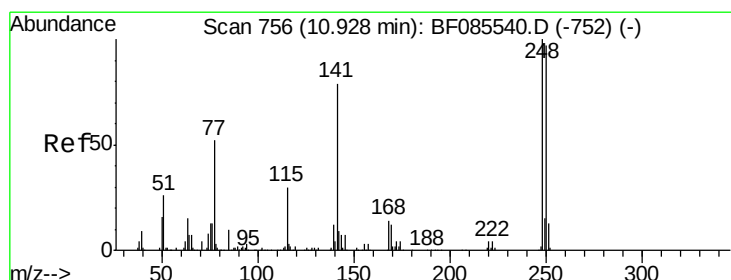
0

11.36

11.30 11.35 11.40



Time-->



#66

4-Bromophenyl-phenylether

Concen: 6.15 ng

RT: 10.68 min Scan# 734

Delta R.T. -0.25 min

Lab File: BF085652.D

Acq: 22 Mar 2016 7:35

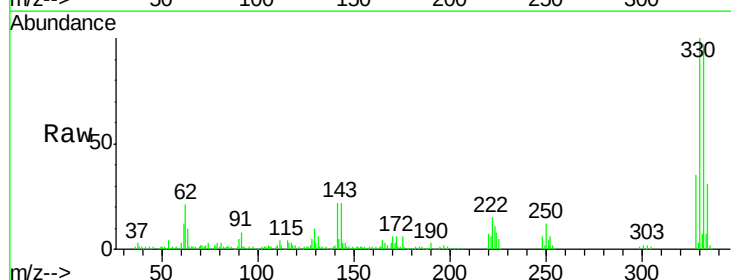
Tgt Ion:248 Resp: 20141

Ion Ratio Lower Upper

248 100

250 197.9 77.4 116.0#

141 355.4 63.6 95.4#



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

100000

80000

60000

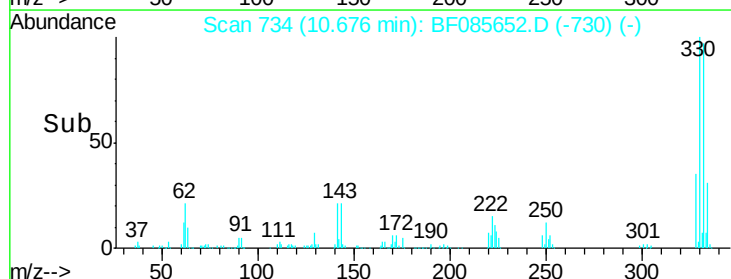
40000

20000

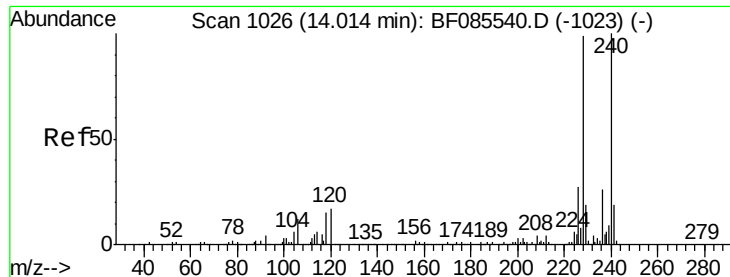
0

10.68

10.65 10.70



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085652.D

Acq: 22 Mar 2016 7:35

Instrument :

BNA\_F

ClientSampleId :

15GW

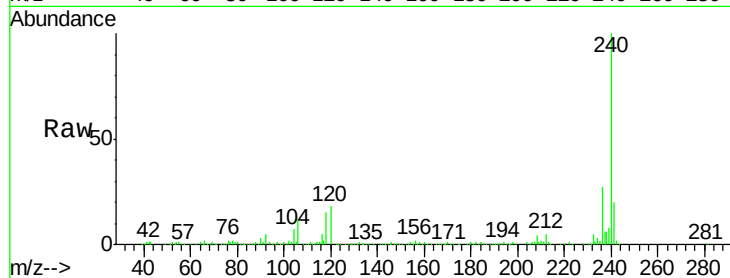
Tgt Ion:240 Resp: 261088

Ion Ratio Lower Upper

240 100

120 18.0 13.8 20.8

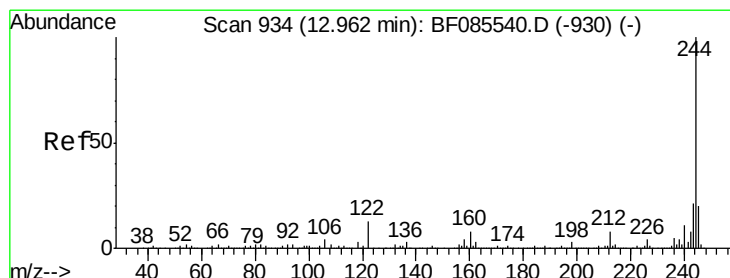
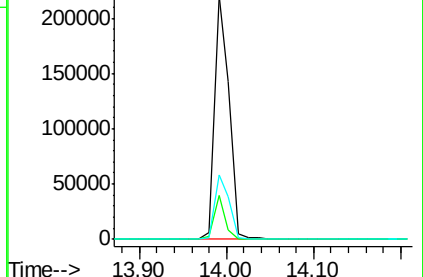
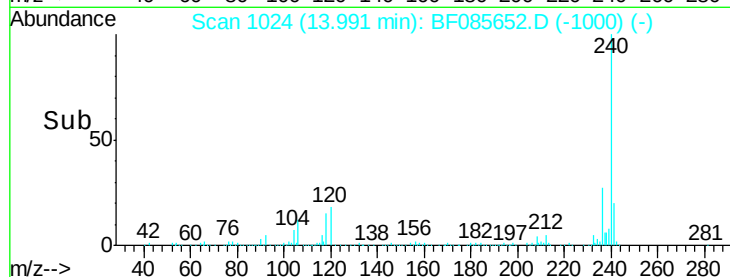
236 26.6 20.6 30.8



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: 90.46 ng

RT: 12.95 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF085652.D

Acq: 22 Mar 2016 7:35

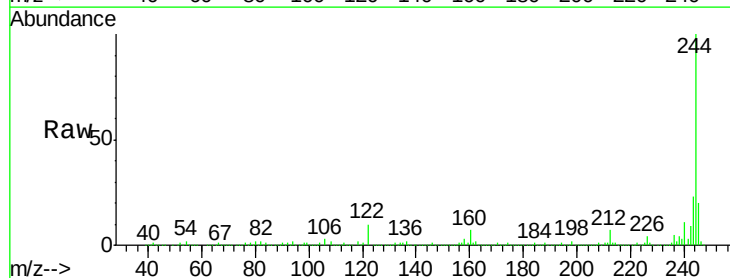
Tgt Ion:244 Resp: 981446

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

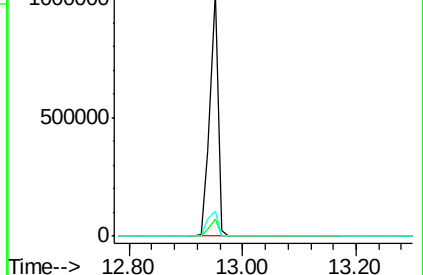
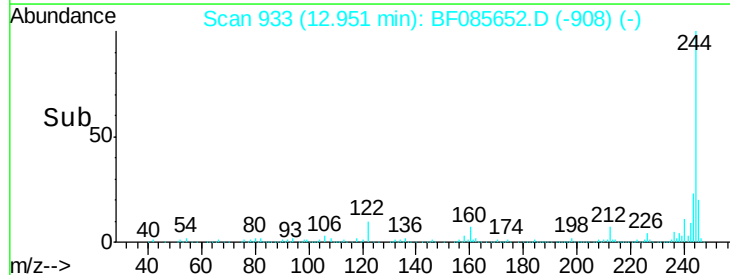
122 10.0 10.2 15.4#

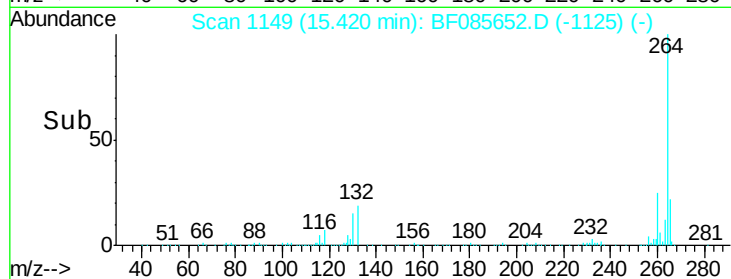
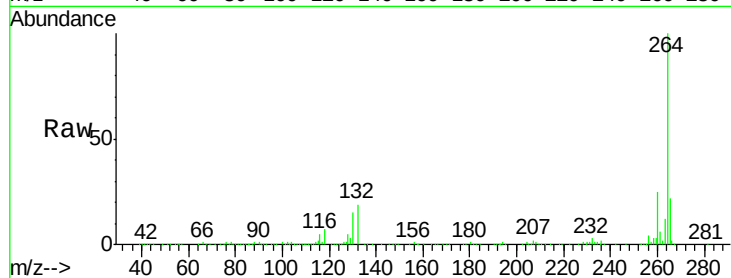
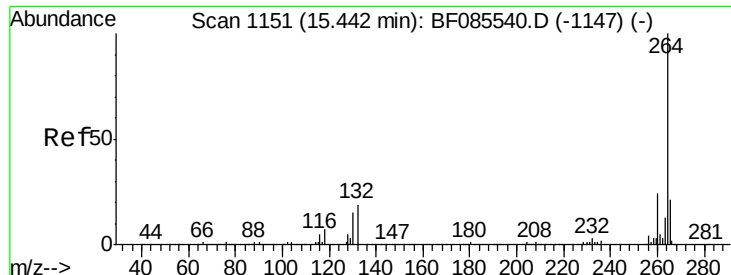


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.42 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BF085652.D

Acq: 22 Mar 2016 7:35

Instrument :

BNA\_F

ClientSampleId :

15GW

Tgt Ion: 264 Resp: 261123

Ion Ratio Lower Upper

264 100

260 24.9 19.4 29.2

265 21.5 17.2 25.8

