

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031816\  
 Data File : BF085587.D  
 Acq On : 19 Mar 2016 21:51  
 Operator : UM/SJ  
 Sample : H1768-02RE  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AG-1ARE

Quant Time: Mar 21 00:04:08 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

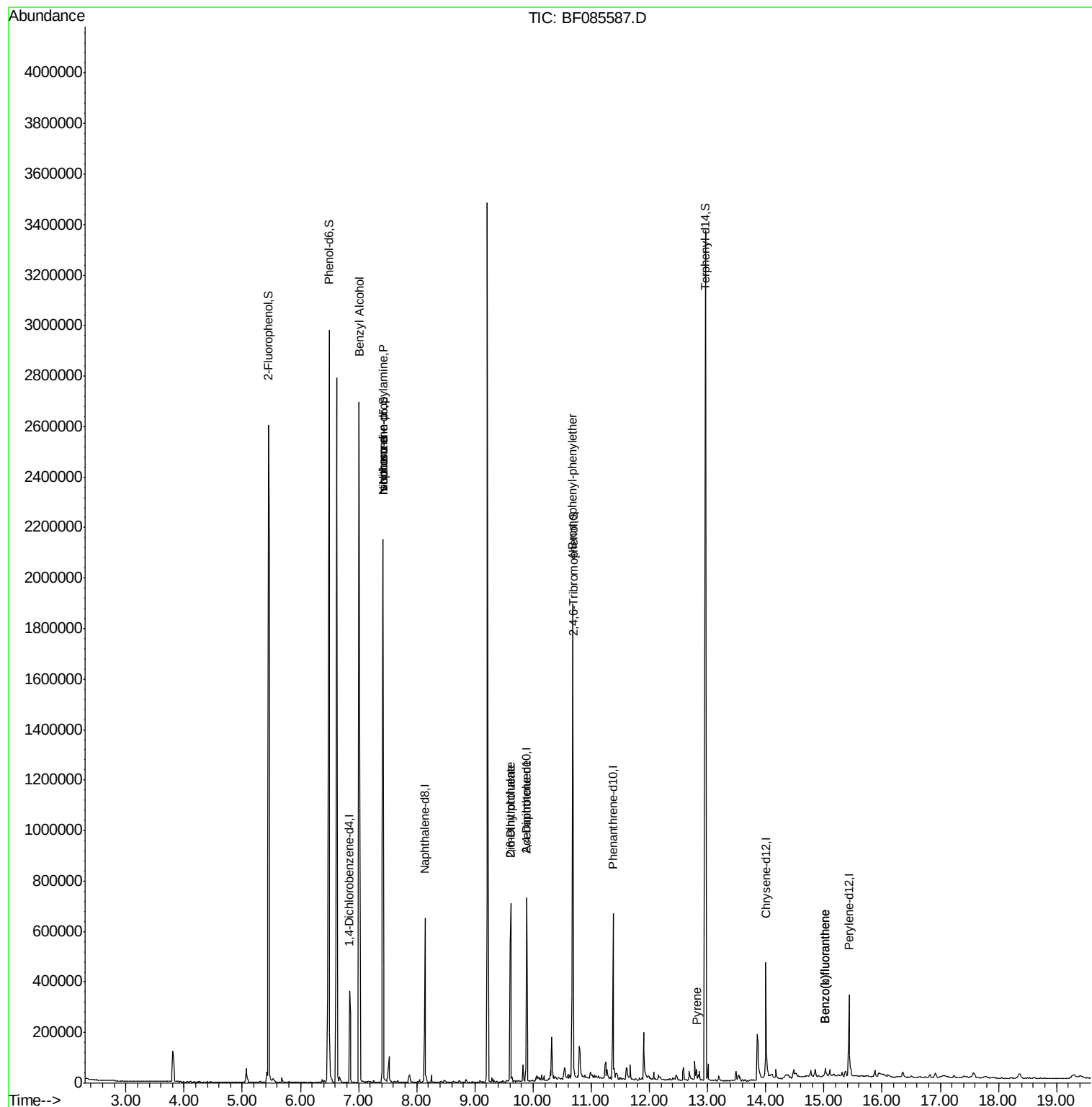
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 74017    | 20.00     | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.14  | 136  | 305689   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.89  | 164  | 133280   | 20.00     | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.37 | 188  | 235436   | 20.00     | ng    | -0.01    |
| 75) Chrysene-d12               | 14.00 | 240  | 141155   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12               | 15.43 | 264  | 140131   | 20.00     | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 1225093  | 278.01    | ng    | 0.00     |
| 7) Phenol-d6                   | 6.49  | 99   | 1376133  | 243.49    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 858072   | 162.94    | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.69 | 330  | 398188   | 304.99    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.21  | 172  | 1283585  | -20.00    | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.96 | 244  | 1184648  | 201.95    | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.49  | 77   | 1696     | Below Cal | #     | 1        |
| 15) Benzyl Alcohol             | 7.01  | 79   | 13542    | 3.50 ng   | #     | 47       |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 113749   | 33.69 ng  | #     | 76       |
| 25) Isophorone                 | 7.42  | 82   | 640530   | 60.75 ng  | #     | 68       |
| 49) Dimethylphthalate          | 9.61  | 163  | 409553   | 40.72 ng  | #     | 98       |
| 50) 2,6-Dinitrotoluene         | 9.61  | 165  | 4251     | 2.00 ng   | #     | 50       |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165  | 17459    | 6.28 ng   | #     | 38       |
| 66) 4-Bromophenyl-phenylether  | 10.68 | 248  | 23370    | 9.94 ng   | #     | 1        |
| 77) Pyrene                     | 12.81 | 202  | 22644    | 2.23 ng   | #     | 97       |
| 87) Benzo(b)fluoranthene       | 15.02 | 252  | 19381    | 2.12 ng   | #     | 93       |
| 88) Benzo(k)fluoranthene       | 15.02 | 252  | 19381    | 2.57 ng   | #     | 90       |

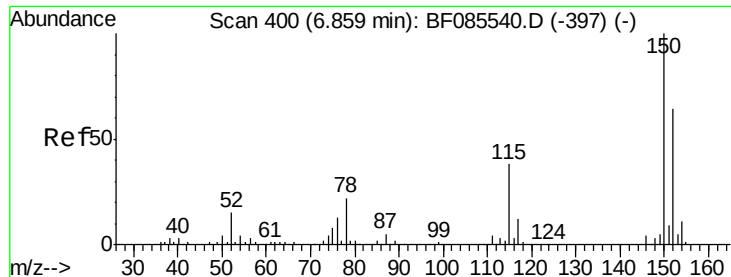
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF085587.D

Acq: 19 Mar 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

AG-1ARE

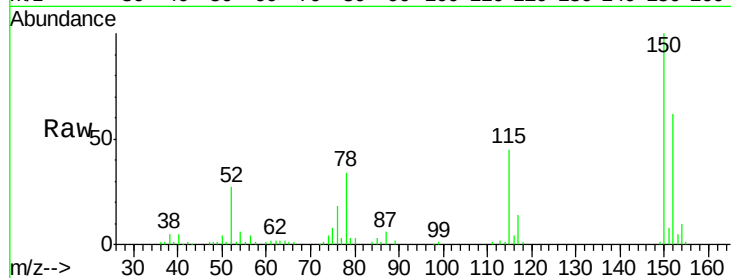
Tgt Ion:152 Resp: 74017

Ion Ratio Lower Upper

152 100

150 160.3 124.2 186.2

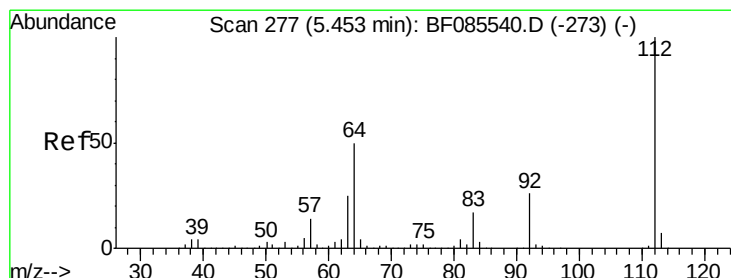
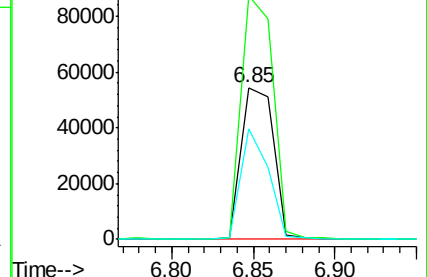
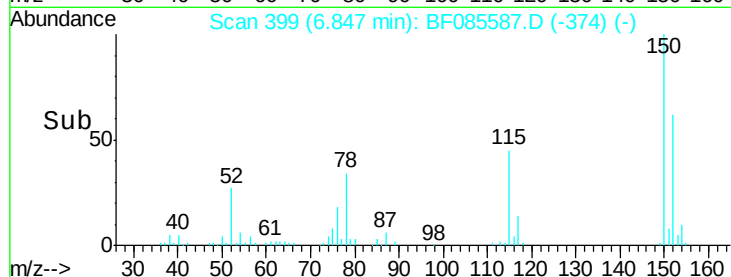
115 72.8 47.0 70.6#



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: 278.01 ng

RT: 5.45 min Scan# 277

Delta R.T. 0.00 min

Lab File: BF085587.D

Acq: 19 Mar 2016 21:51

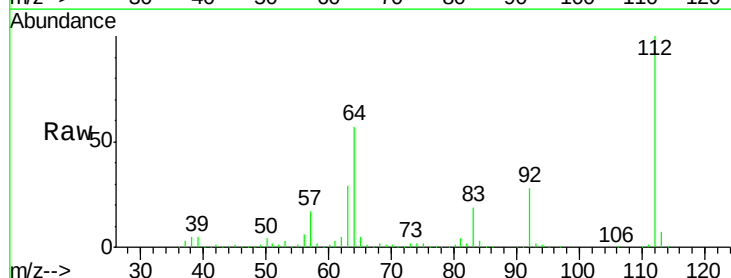
Tgt Ion:112 Resp: 1225093

Ion Ratio Lower Upper

112 100

64 56.6 39.9 59.9

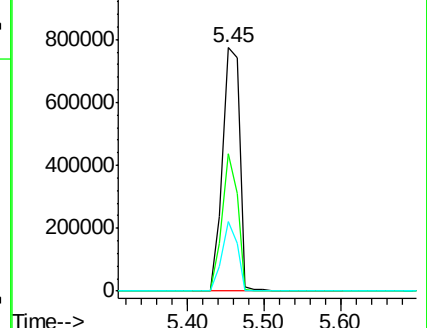
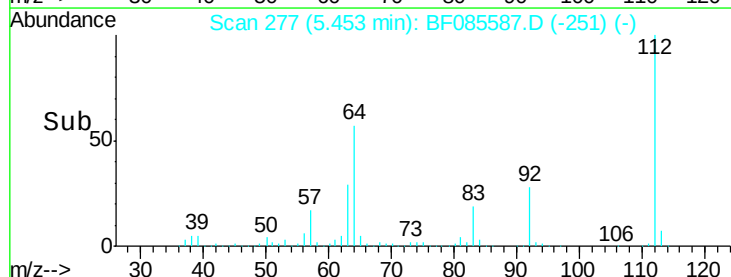
63 28.6 20.2 30.2

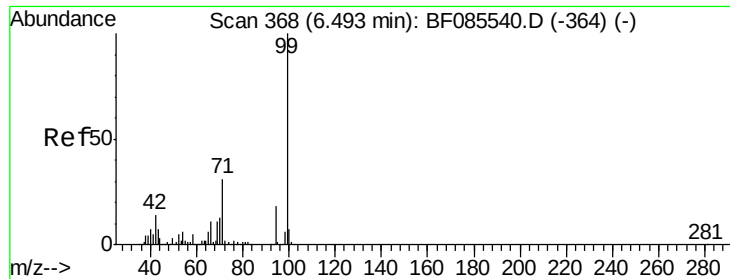


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 243.49 ng

RT: 6.49 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF085587.D

Acq: 19 Mar 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

AG-1ARE

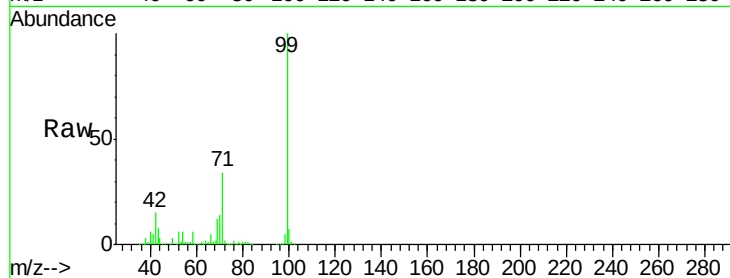
Tgt Ion: 99 Resp: 1376133

Ion Ratio Lower Upper

99 100

42 15.3 11.1 16.7

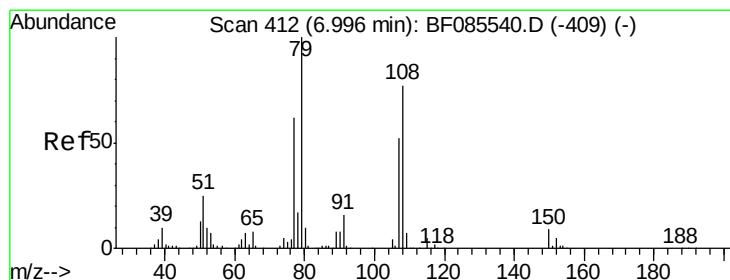
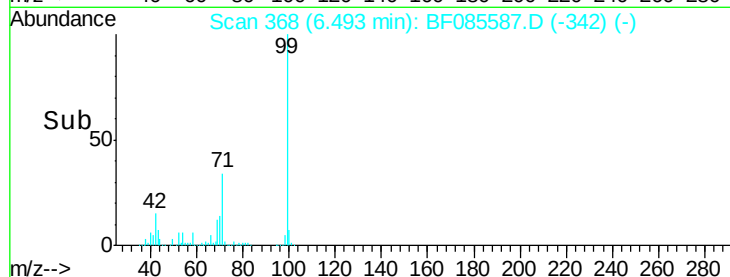
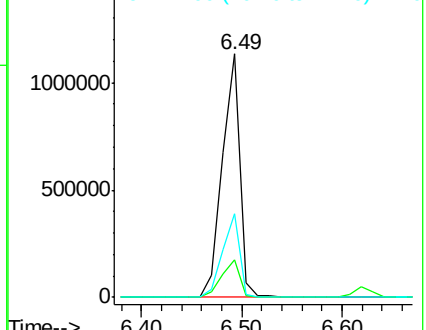
71 34.4 24.9 37.3



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: 3.50 ng

RT: 7.01 min Scan# 413

Delta R.T. 0.01 min

Lab File: BF085587.D

Acq: 19 Mar 2016 21:51

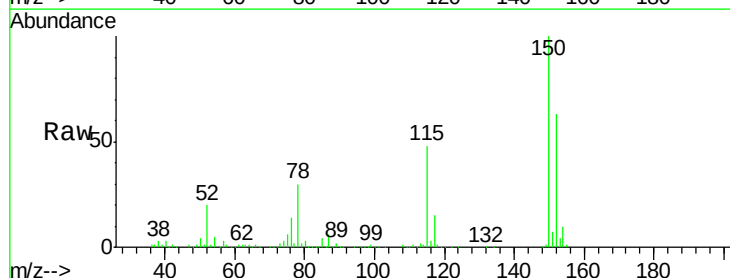
Tgt Ion: 79 Resp: 13542

Ion Ratio Lower Upper

79 100

108 30.2 61.8 92.6#

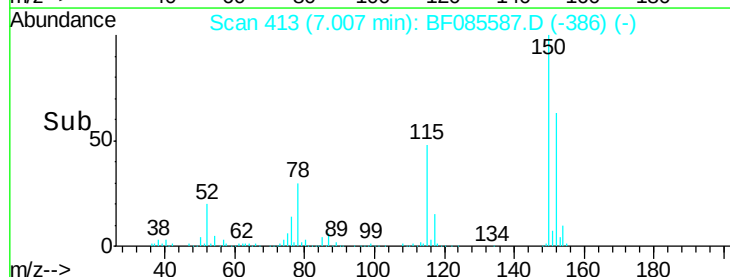
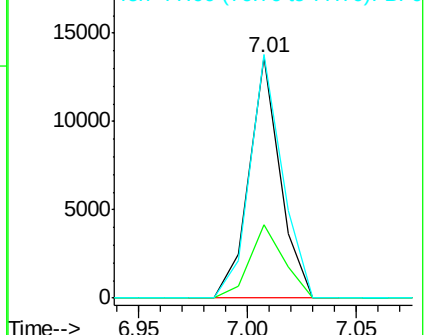
77 101.2 49.6 74.4#

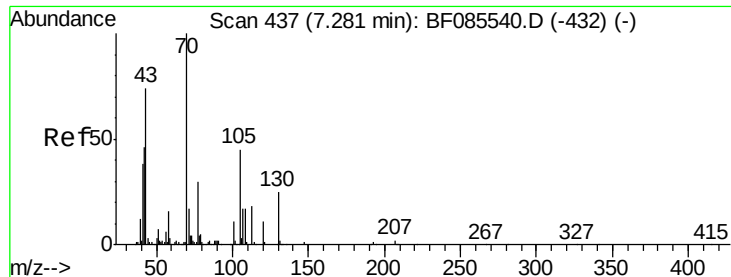


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 33.69 ng

RT: 7.42 min Scan# 449

Delta R.T. 0.14 min

Lab File: BF085587.D

Acq: 19 Mar 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

AG-1ARE

Tgt Ion: 70 Resp: 113749

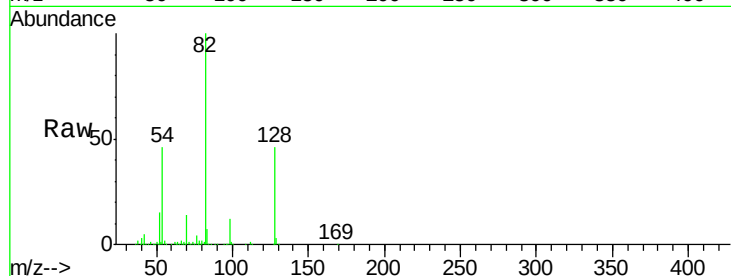
Ion Ratio Lower Upper

70 100

42 39.0 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#

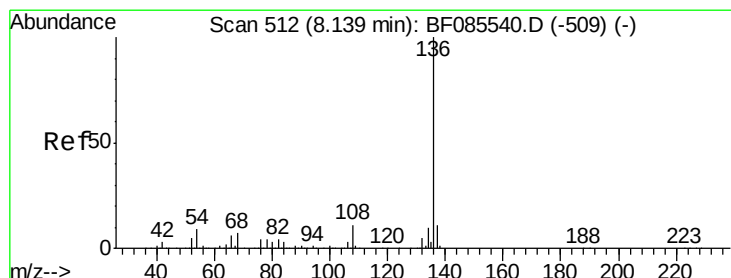
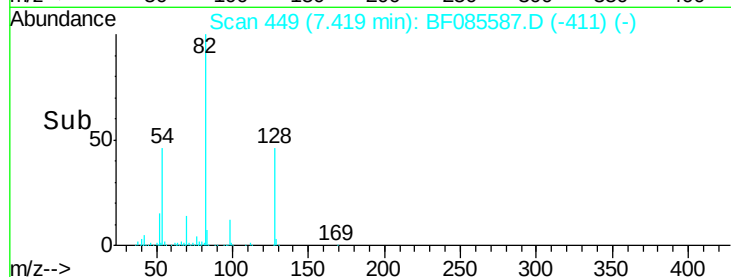
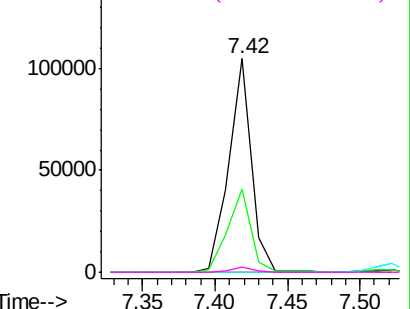


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF085587.D

Acq: 19 Mar 2016 21:51

Tgt Ion: 136 Resp: 305689

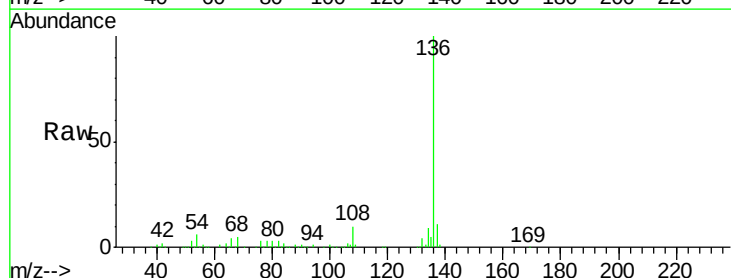
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.5 7.4 11.0#

68 4.7 5.8 8.8#

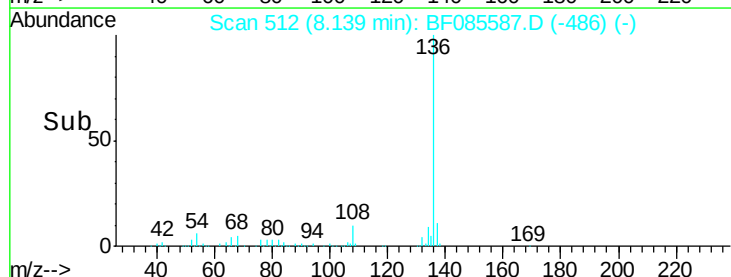
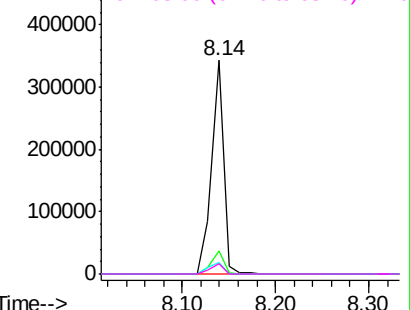


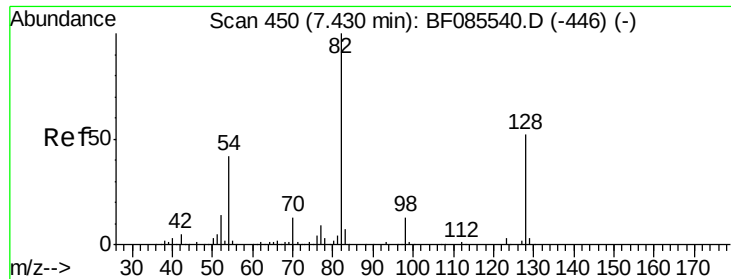
Abundance Ion 136.00 (135.70 to 136.70): E

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

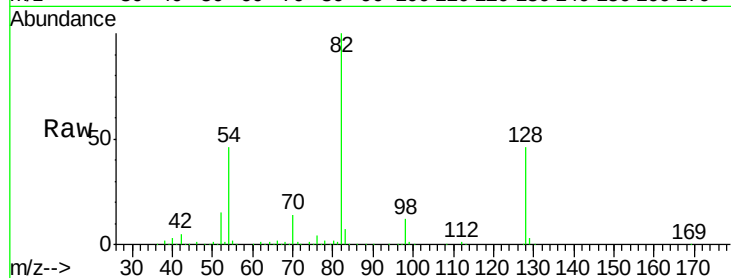




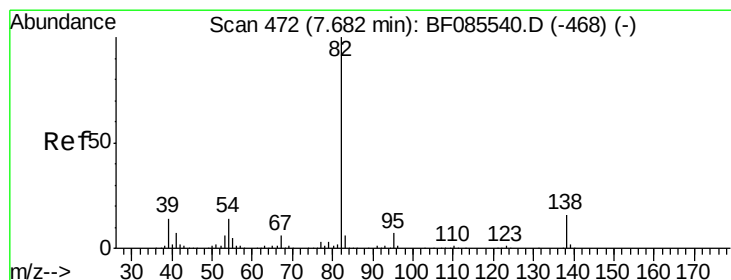
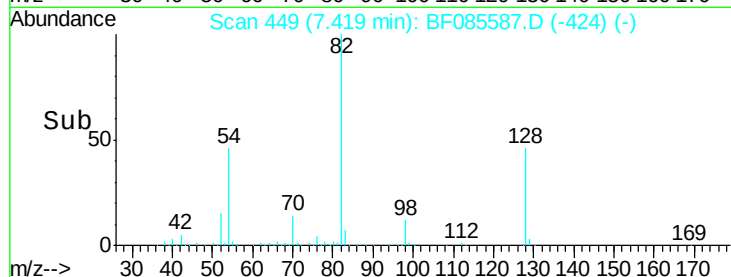
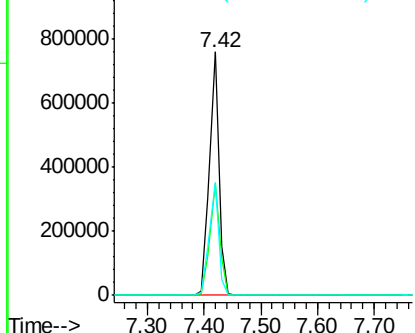
#23  
 Nitrobenzene-d5  
 Concen: 162.94 ng  
 RT: 7.42 min Scan# 449  
 Delta R.T. -0.01 min  
 Lab File: BF085587.D  
 Acq: 19 Mar 2016 21:51

Instrument :  
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 ClientSampleId :  
 AG-1ARE

Tgt Ion: 82 Resp: 858072  
 Ion Ratio Lower Upper  
 82 100  
 128 46.0 41.8 62.8  
 54 46.3 33.4 50.0

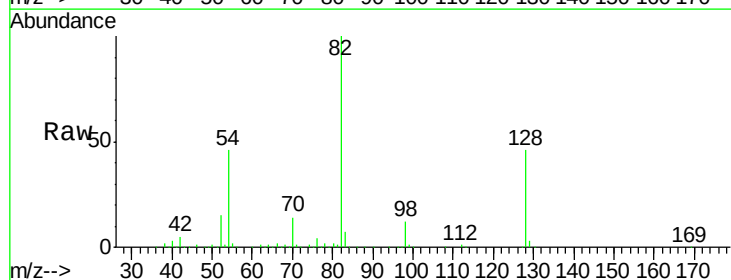


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

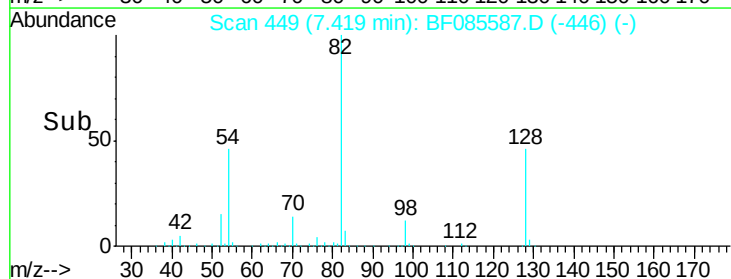
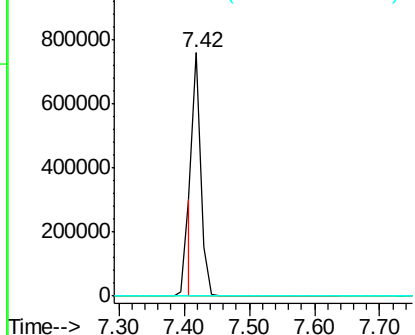


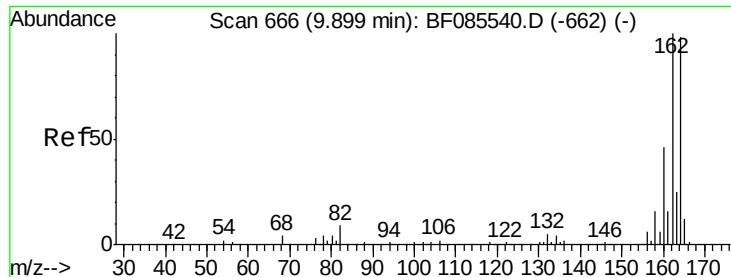
#25  
 Isophorone  
 Concen: 60.75 ng  
 RT: 7.42 min Scan# 449  
 Delta R.T. -0.26 min  
 Lab File: BF085587.D  
 Acq: 19 Mar 2016 21:51

Tgt Ion: 82 Resp: 640530  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.4 8.2#  
 138 0.0 12.9 19.3#



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): BF0

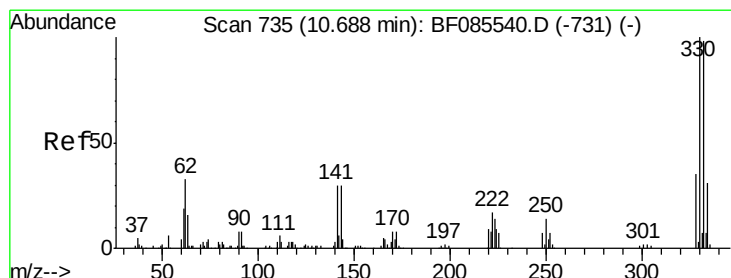
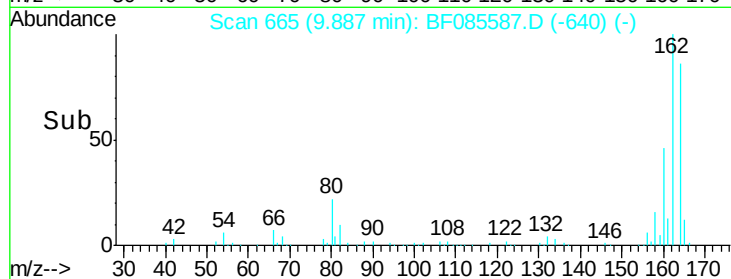
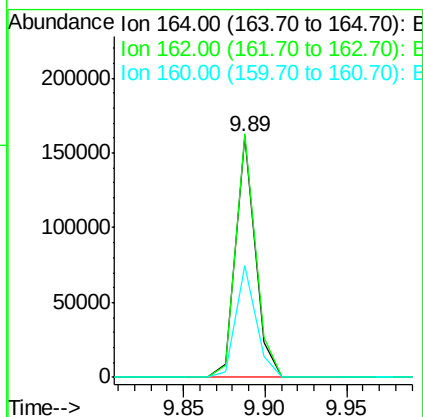
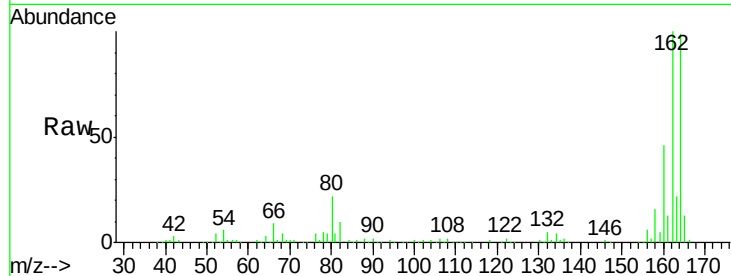




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.89 min Scan# 665  
 Delta R.T. -0.01 min  
 Lab File: BF085587.D  
 Acq: 19 Mar 2016 21:51

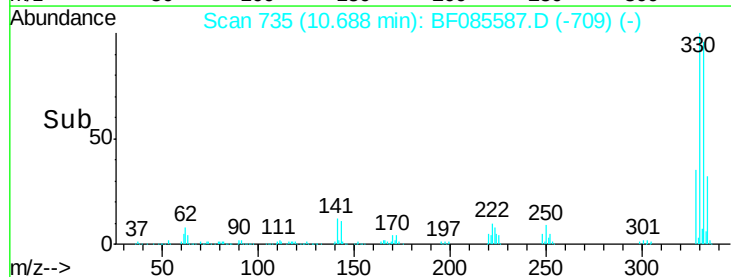
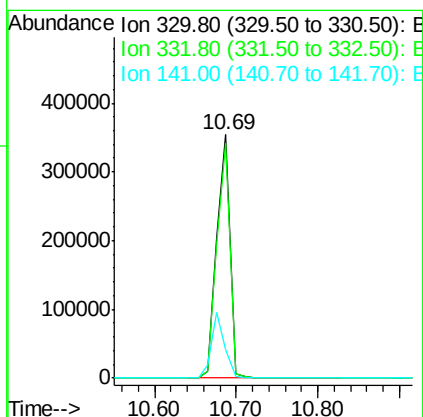
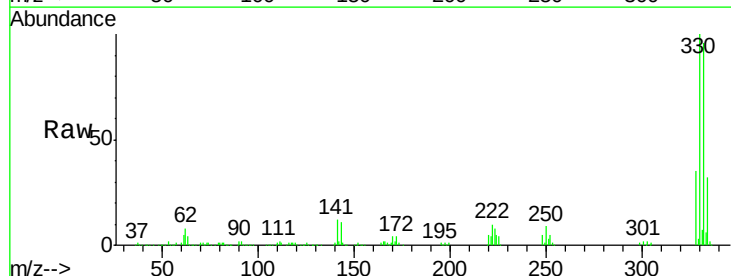
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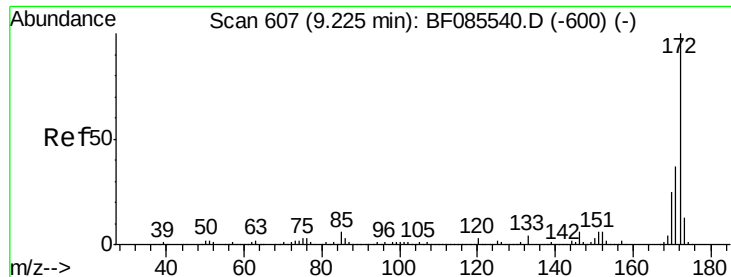
Tgt Ion:164 Resp: 133280  
 Ion Ratio Lower Upper  
 164 100  
 162 101.1 82.1 123.1  
 160 46.2 37.4 56.2



#41  
 2,4,6-Tribromophenol  
 Concen: 304.99 ng  
 RT: 10.69 min Scan# 735  
 Delta R.T. 0.00 min  
 Lab File: BF085587.D  
 Acq: 19 Mar 2016 21:51

Tgt Ion:330 Resp: 398188  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 78.2 117.2  
 141 27.7 31.5 47.3#

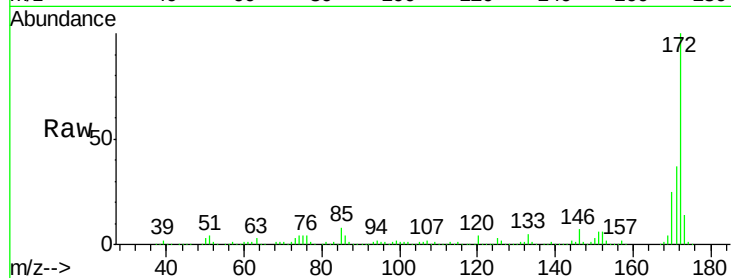




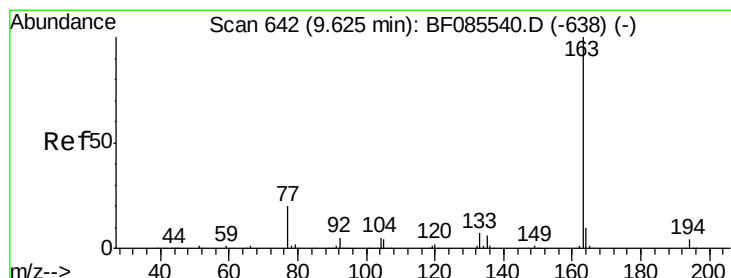
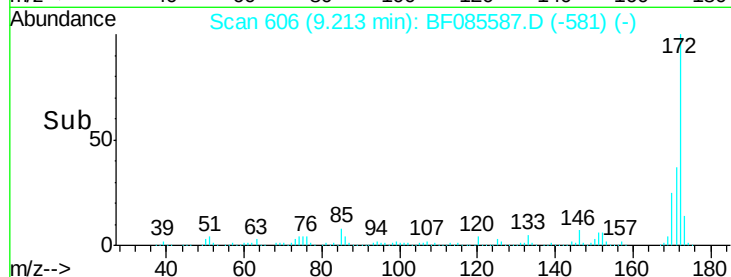
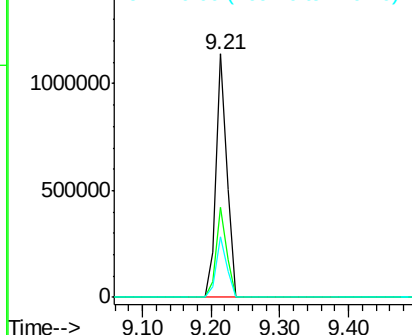
#44  
2-Fluorobiphenyl  
Concen: -20.00 ng  
RT: 9.21 min Scan# 606  
Delta R.T. -0.01 min  
Lab File: BF085587.D  
Acq: 19 Mar 2016 21:51

Instrument :  
BNA\_F  
ClientSampleId :  
AG-1ARE

Tgt Ion:172 Resp: 1283585  
Ion Ratio Lower Upper  
172 100  
171 36.8 29.4 44.2  
170 24.9 19.8 29.6

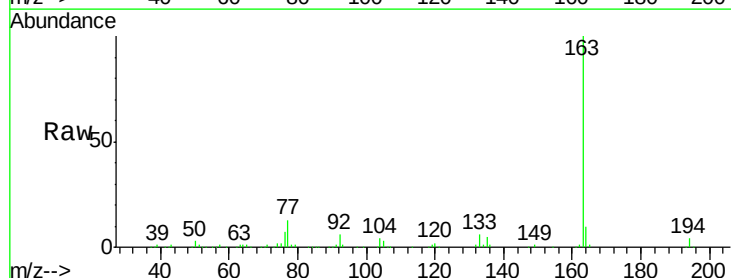


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

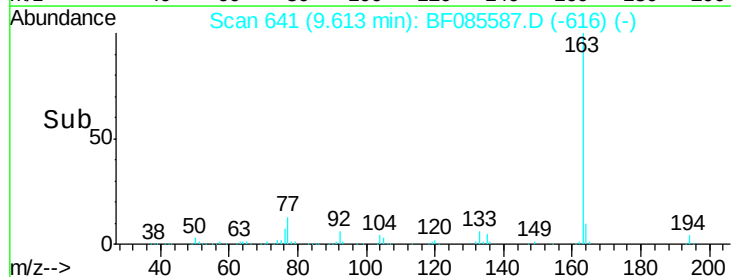
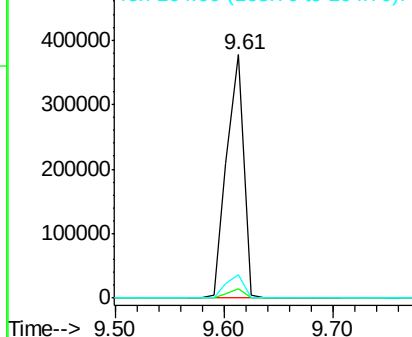


#49  
Dimethylphthalate  
Concen: 40.72 ng  
RT: 9.61 min Scan# 641  
Delta R.T. -0.01 min  
Lab File: BF085587.D  
Acq: 19 Mar 2016 21:51

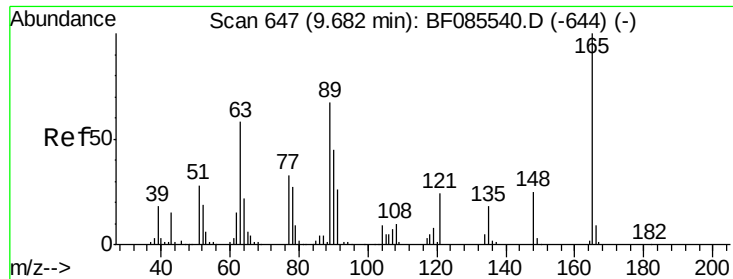
Tgt Ion:163 Resp: 409553  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.9 4.3  
164 9.7 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E







#50

2,6-Dinitrotoluene

Concen: 2.00 ng

RT: 9.61 min Scan# 641

Delta R.T. -0.07 min

Lab File: BF085587.D

Acq: 19 Mar 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

AG-1ARE

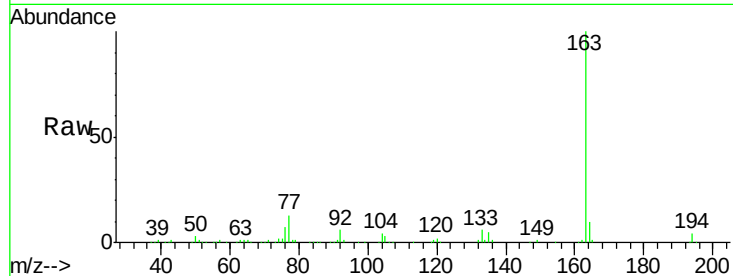
Tgt Ion:165 Resp: 4251

Ion Ratio Lower Upper

165 100

63 91.4 51.8 77.8#

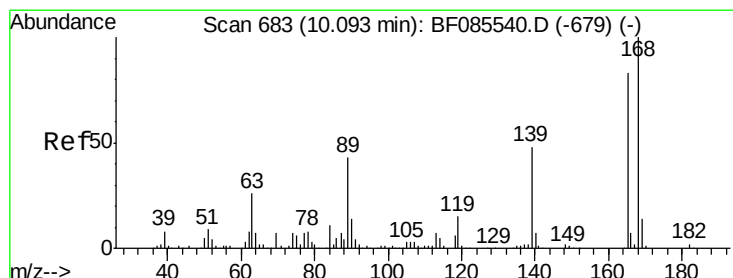
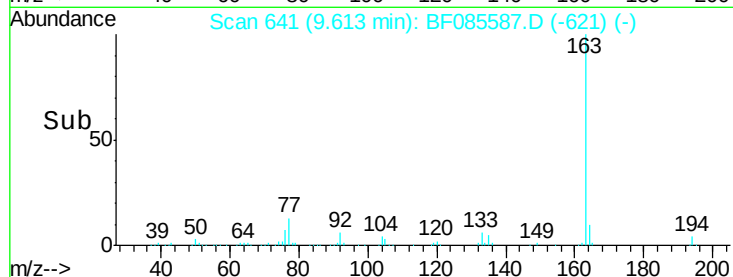
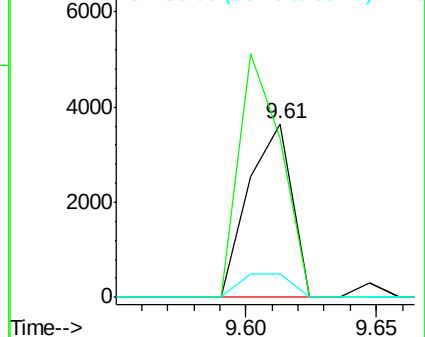
89 13.8 53.7 80.5#



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: 6.28 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.21 min

Lab File: BF085587.D

Acq: 19 Mar 2016 21:51

Tgt Ion:165 Resp: 17459

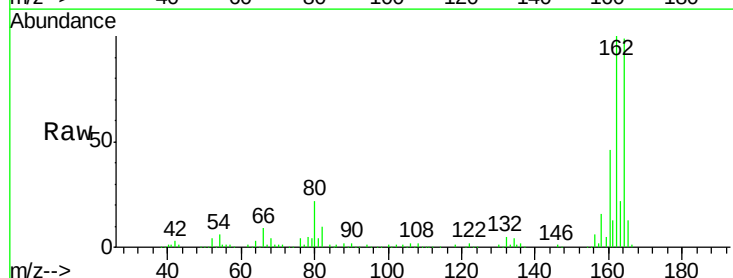
Ion Ratio Lower Upper

165 100

63 1.7 24.9 37.3#

89 2.0 41.0 61.6#

182 0.0 2.1 3.1#

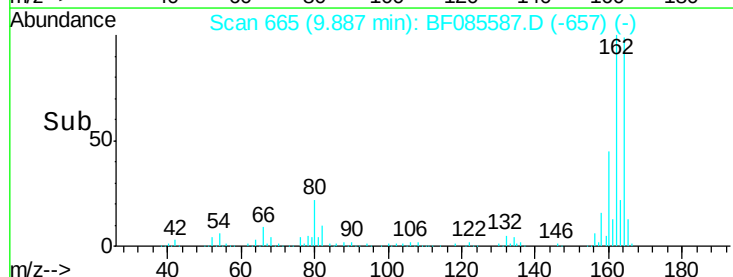
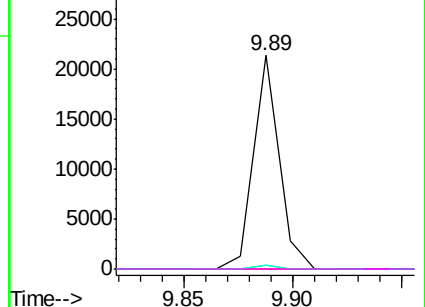


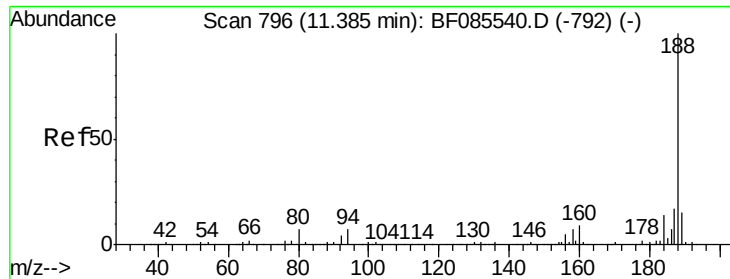
Abundance Ion 165.00 (164.70 to 165.70): E

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

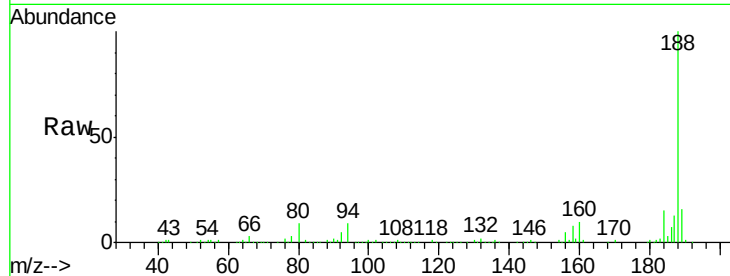




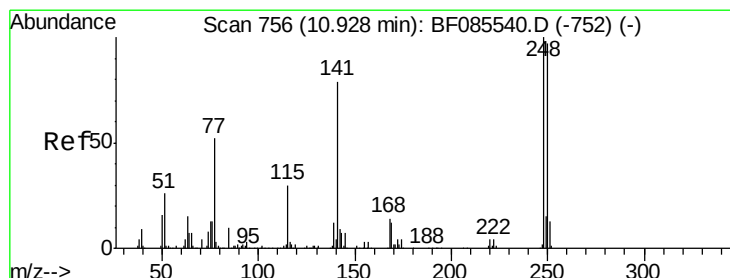
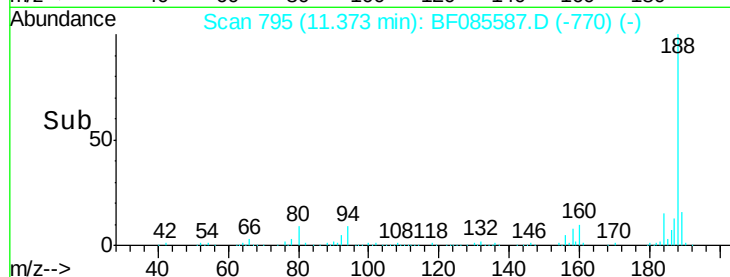
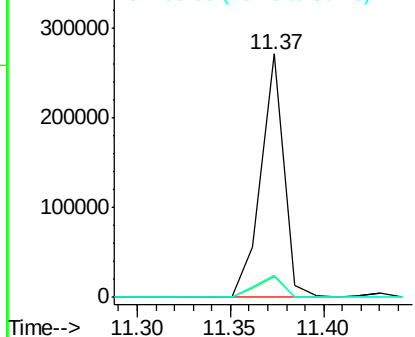
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.37 min Scan# 795  
Delta R.T. -0.01 min  
Lab File: BF085587.D  
Acq: 19 Mar 2016 21:51

Instrument :  
BNA\_F  
ClientSampleId :  
AG-1ARE

Tgt Ion:188 Resp: 235436  
Ion Ratio Lower Upper  
188 100  
94 8.6 5.4 8.0#  
80 9.1 5.5 8.3#

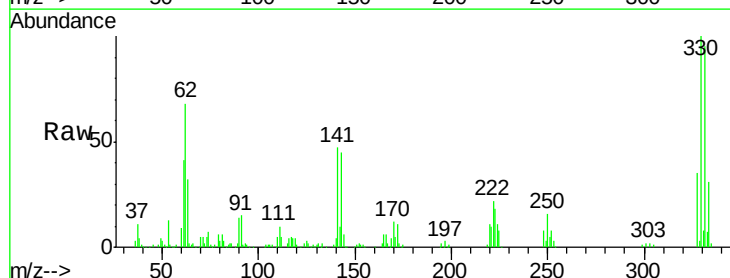


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

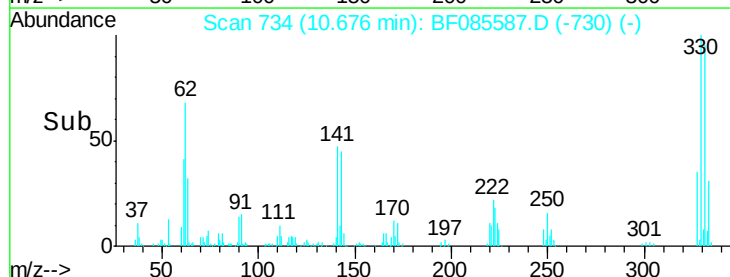
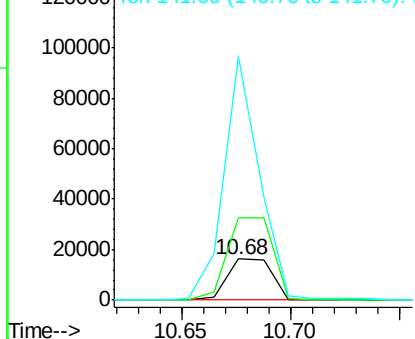


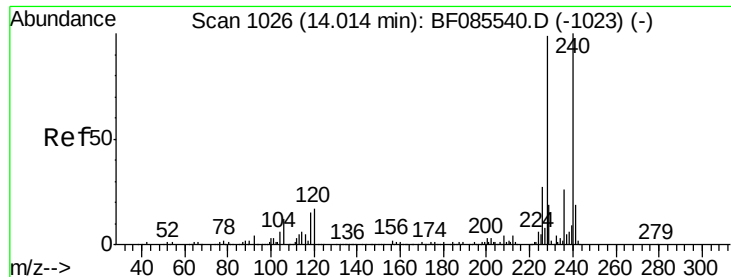
#66  
4-Bromophenyl-phenylether  
Concen: 9.94 ng  
RT: 10.68 min Scan# 734  
Delta R.T. -0.25 min  
Lab File: BF085587.D  
Acq: 19 Mar 2016 21:51

Tgt Ion:248 Resp: 23370  
Ion Ratio Lower Upper  
248 100  
250 202.0 77.4 116.0#  
141 592.6 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085587.D

Acq: 19 Mar 2016 21:51

Instrument :

BNA\_F

ClientSampleId :

AG-1ARE

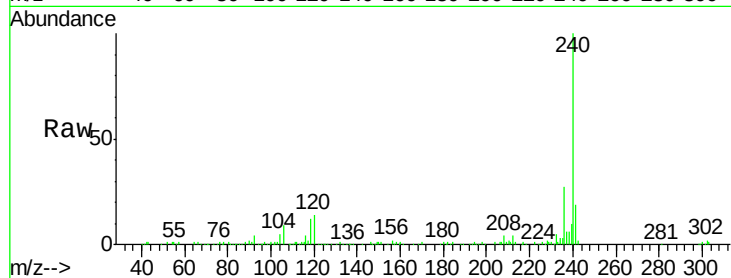
Tgt Ion:240 Resp: 141155

Ion Ratio Lower Upper

240 100

120 14.2 13.8 20.8

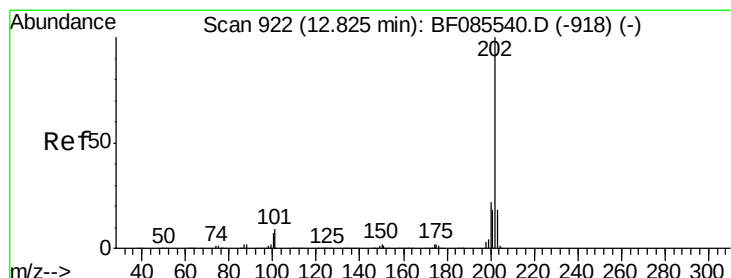
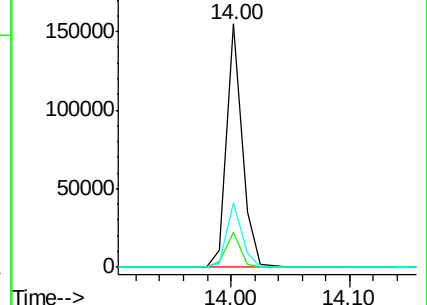
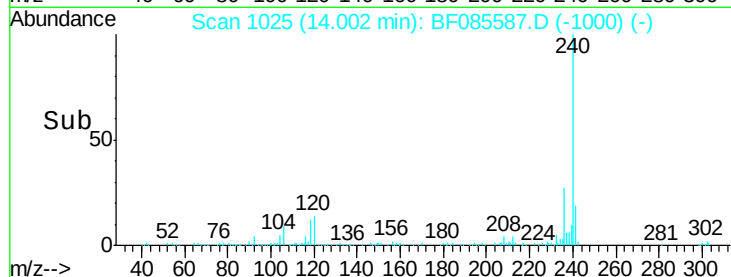
236 26.7 20.6 30.8



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



#77

Pyrene

Concen: 2.23 ng

RT: 12.81 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF085587.D

Acq: 19 Mar 2016 21:51

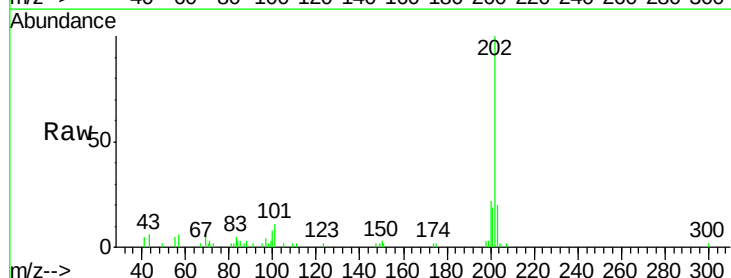
Tgt Ion:202 Resp: 22644

Ion Ratio Lower Upper

202 100

200 22.3 17.6 26.4

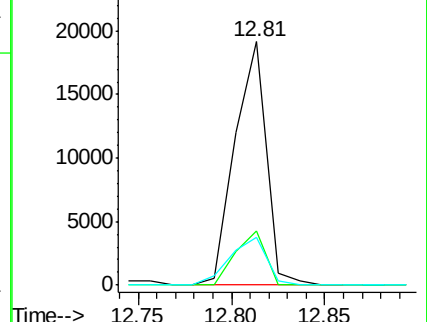
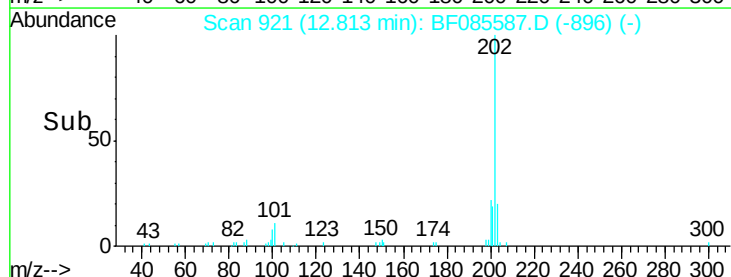
203 19.8 14.0 21.0

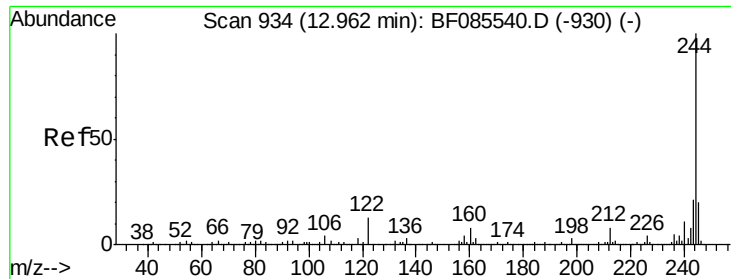


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

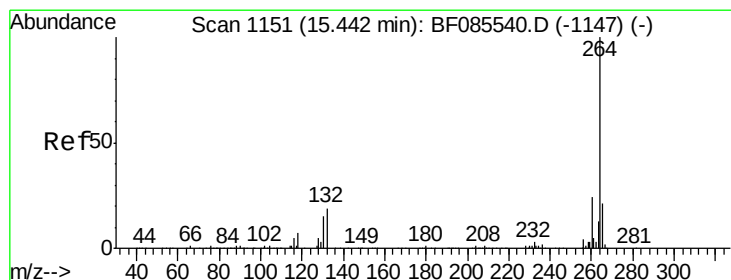
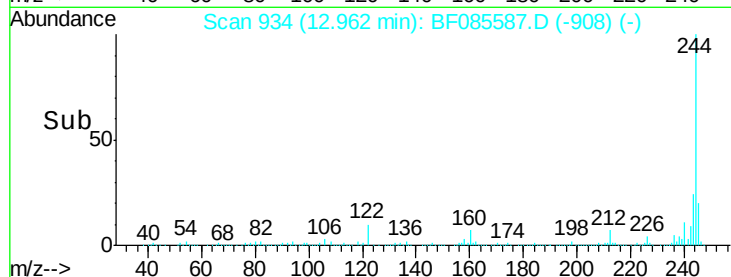
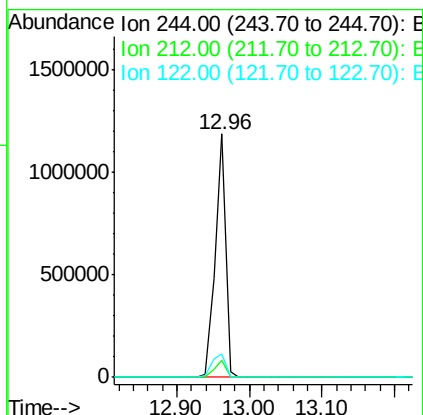
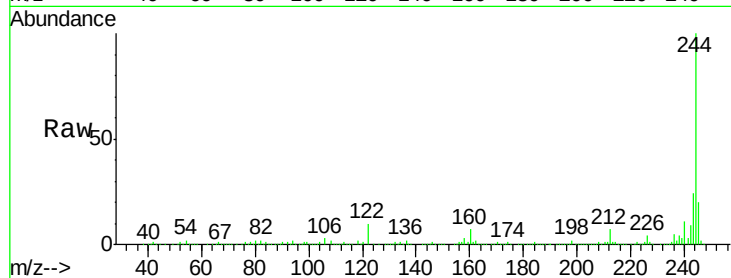




#78  
 Terphenyl-d14  
 Concen: 201.95 ng  
 RT: 12.96 min Scan# 934  
 Delta R.T. 0.00 min  
 Lab File: BF085587.D  
 Acq: 19 Mar 2016 21:51

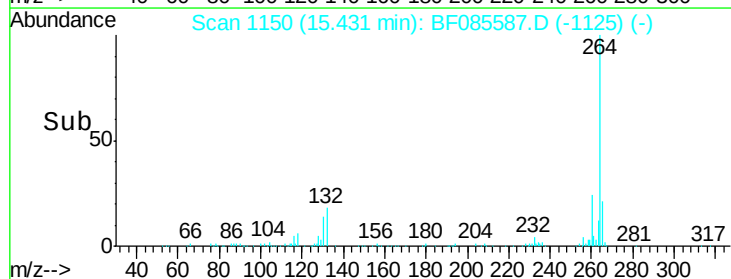
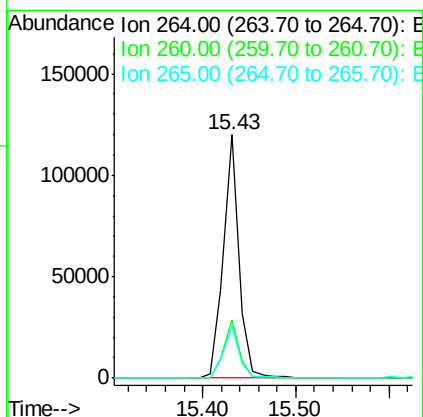
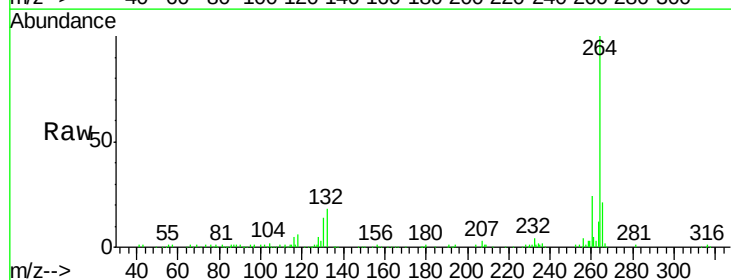
Instrument :  
 BNA\_F  
 ClientSampleId :  
 AG-1ARE

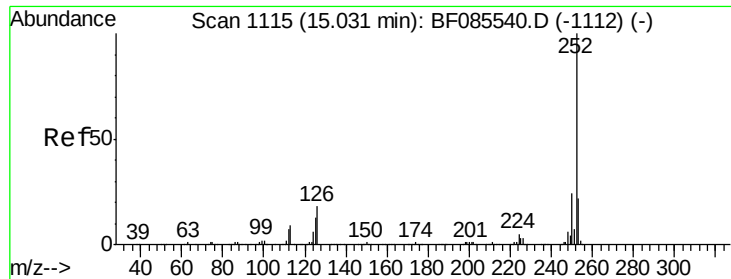
Tgt Ion:244 Resp: 1184648  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.1 9.1  
 122 9.9 10.2 15.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.43 min Scan# 1150  
 Delta R.T. -0.01 min  
 Lab File: BF085587.D  
 Acq: 19 Mar 2016 21:51

Tgt Ion:264 Resp: 140131  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.4 29.2  
 265 21.2 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.12 ng

RT: 15.02 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BF085587.D

Acq: 19 Mar 2016 21:51

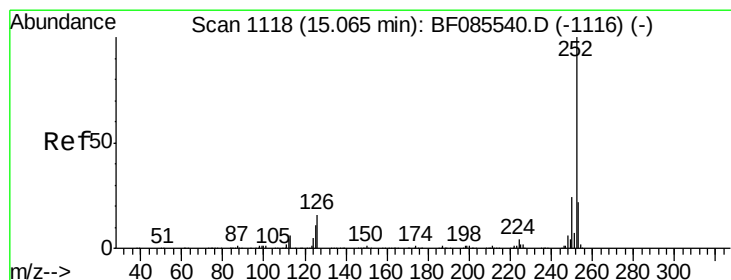
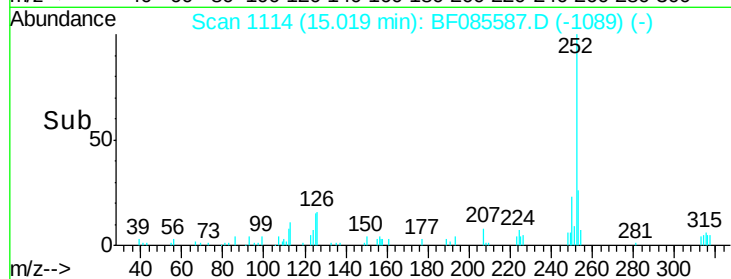
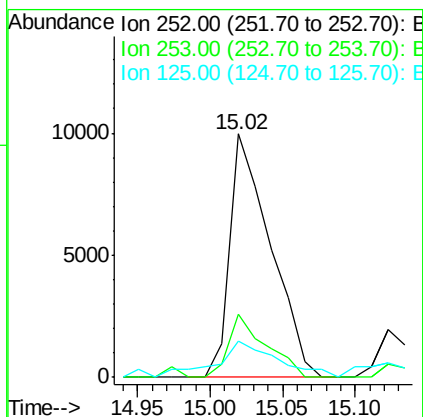
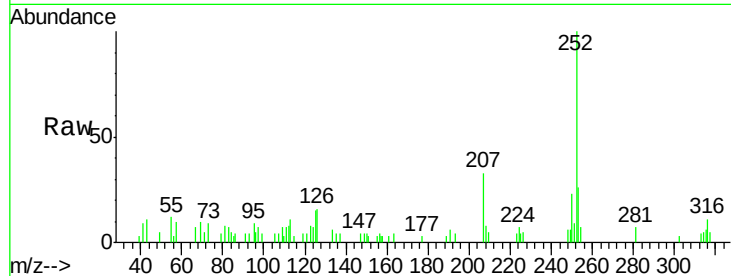
Instrument :

BNA\_F

ClientSampled :

AG-1ARE

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 19381 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 26.1  | 17.6  | 26.4  |
| 125      | 14.6  | 10.3  | 15.5  |



#88

Benzo(k)fluoranthene

Concen: 2.57 ng

RT: 15.02 min Scan# 1114

Delta R.T. -0.05 min

Lab File: BF085587.D

Acq: 19 Mar 2016 21:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 19381 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 26.1  | 17.8  | 26.6  |
| 125      | 14.6  | 7.7   | 11.5# |

