

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031317\  
 Data File : BF093635.D  
 Acq On : 14 Mar 2017 4:21  
 Operator : SJ/MA  
 Sample : I2199-27  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 D-105

Quant Time: Mar 14 06:08:07 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF030717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 13 15:05:08 2017  
 Response via : Initial Calibration

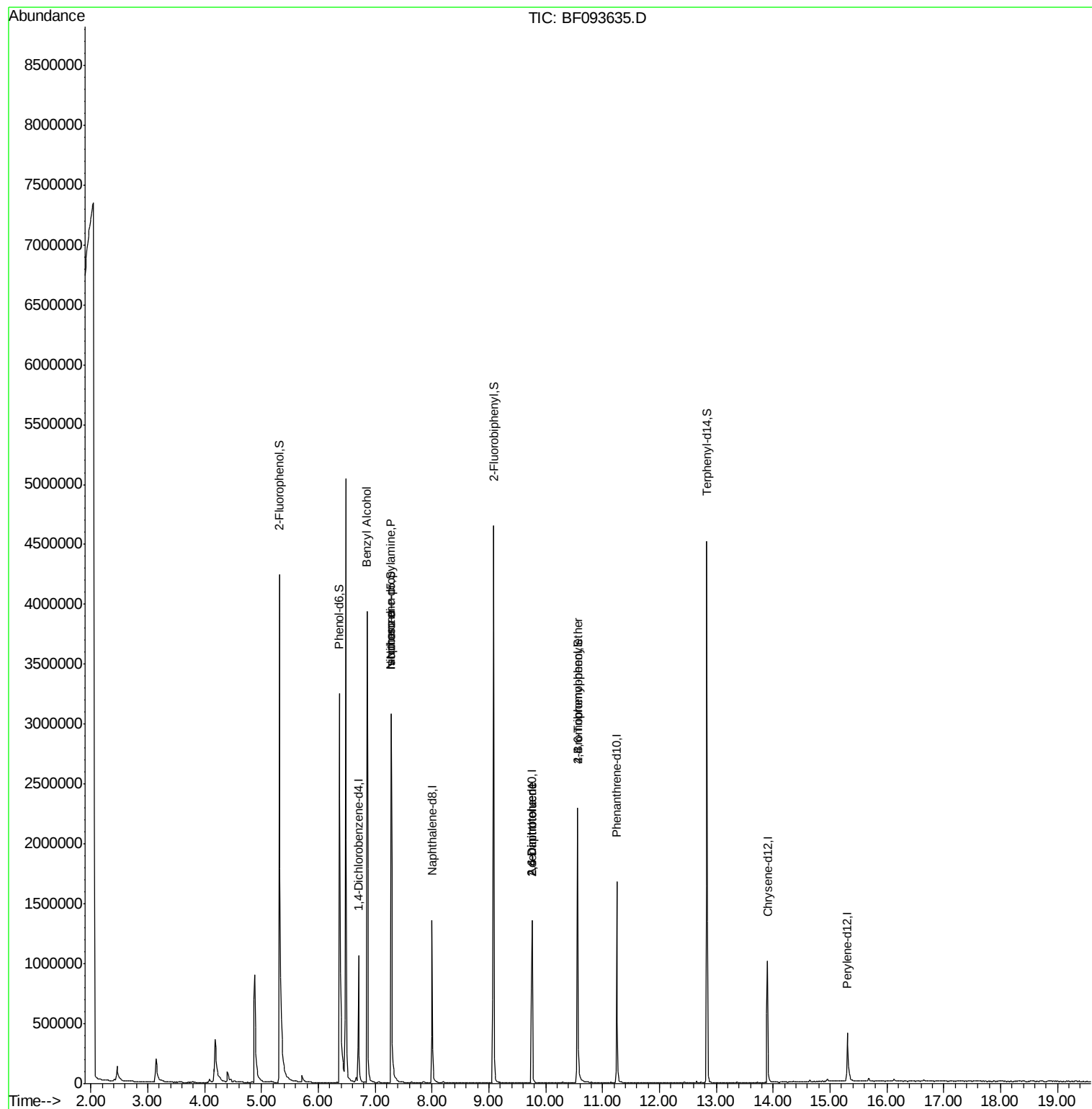
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.71  | 152  | 181624   | 20.00     | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.00  | 136  | 727015   | 20.00     | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.76  | 164  | 336689   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.25 | 188  | 665732   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 13.90 | 240  | 485147   | 20.00     | ng    | 0.01     |
| 86) Perylene-d12               | 15.31 | 264  | 184855   | 20.00     | ng    | 0.02     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 1660760  | 152.19    | ng    | 0.00     |
| 7) Phenol-d6                   | 6.37  | 99   | 2014954  | 146.42    | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 1351101  | 103.11    | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.56 | 330  | 400588   | 182.62    | ng    | 0.01     |
| 44) 2-Fluorobiphenyl           | 9.09  | 172  | 2161792  | 119.43    | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.84 | 244  | 1678897  | 89.97     | ng    | 0.01     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.37  | 77   | 2594     | Below Cal | #     | 1        |
| 15) Benzyl Alcohol             | 6.86  | 79   | 20335    | 2.07 ng   | #     | 50       |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70   | 179547   | 18.98 ng  | #     | 85       |
| 25) Isophorone                 | 7.28  | 82   | 1322524  | 50.05 ng  | #     | 65       |
| 50) 2,6-Dinitrotoluene         | 9.76  | 165  | 41437    | 8.46 ng   | #     | 31       |
| 56) 2,4-Dinitrotoluene         | 9.76  | 165  | 41431    | 6.89 ng   | #     | 20       |
| 66) 4-Bromophenyl-phenylether  | 10.56 | 248  | 30343    | 4.31 ng   | #     | 1        |

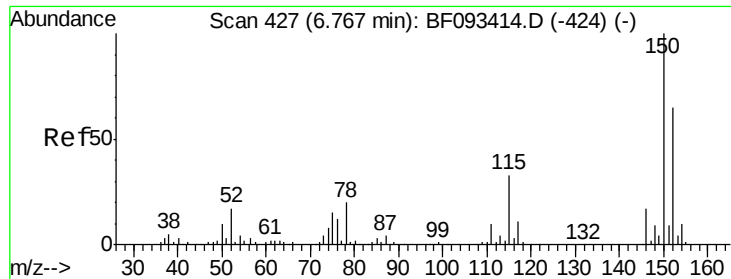
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF093635.D

Acq: 14 Mar 2017 4:21

Instrument :

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ClientSampleId :

D-105

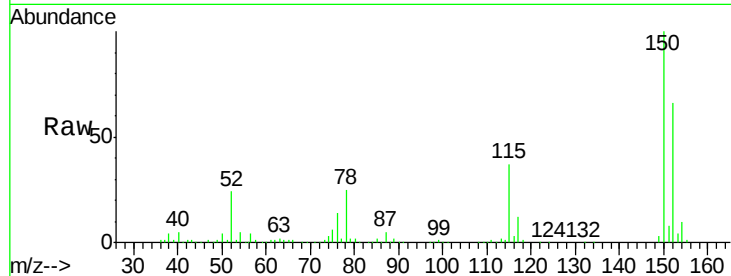
Tgt Ion:152 Resp: 181624

Ion Ratio Lower Upper

152 100

150 152.6 124.9 187.3

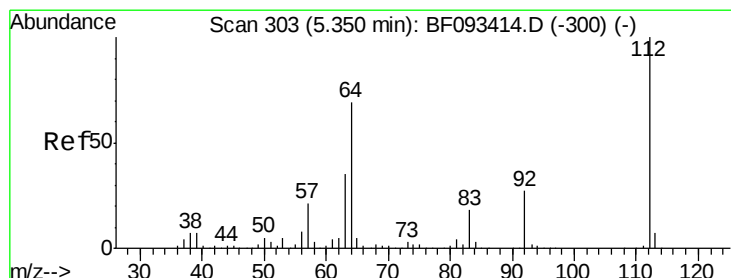
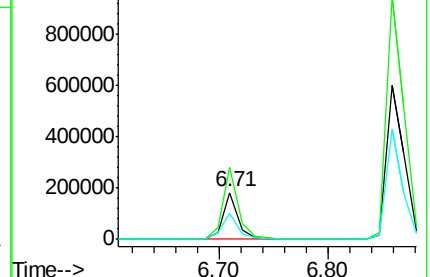
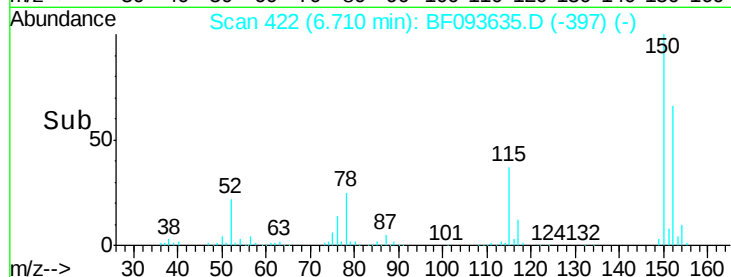
115 55.9 46.0 69.0



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: 152.19 ng

RT: 5.32 min Scan# 300

Delta R.T. 0.00 min

Lab File: BF093635.D

Acq: 14 Mar 2017 4:21

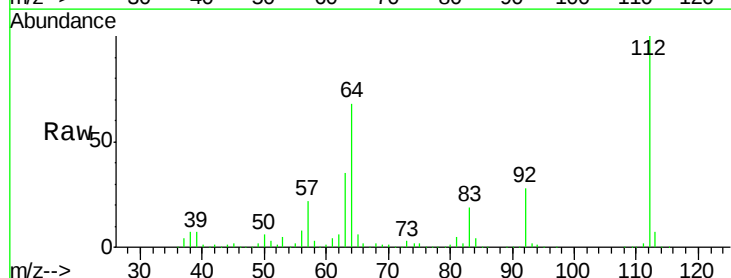
Tgt Ion:112 Resp: 1660760

Ion Ratio Lower Upper

112 100

64 67.8 46.1 69.1

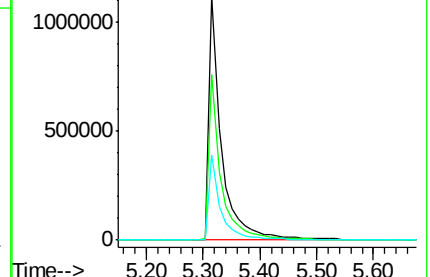
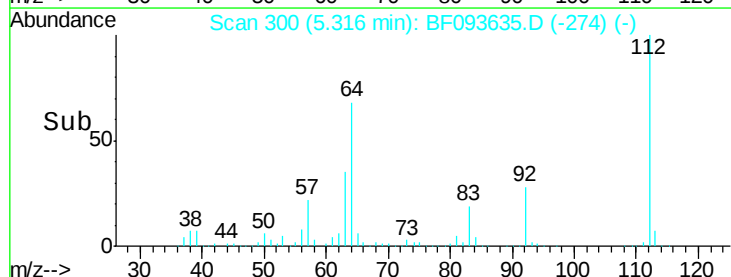
63 34.9 23.8 35.6

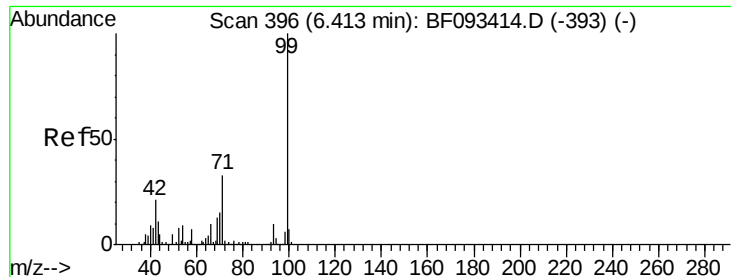


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 146.42 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093635.D

Acq: 14 Mar 2017 4:21

Instrument :

BNA\_F

ClientSampleId :

D-105

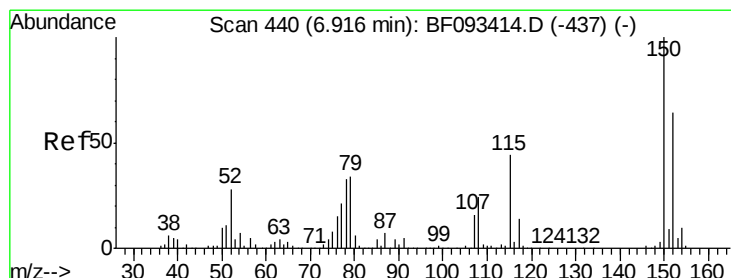
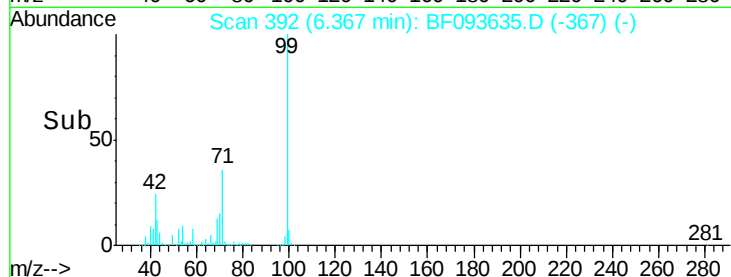
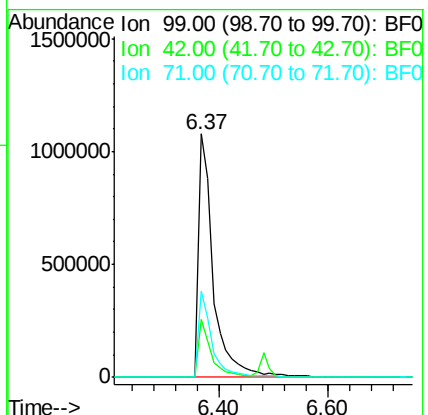
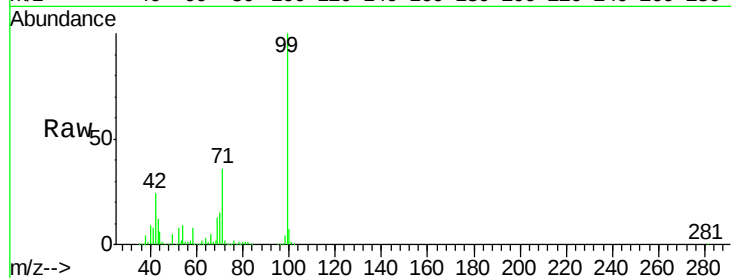
Tgt Ion: 99 Resp: 2014954

Ion Ratio Lower Upper

99 100

42 24.1 15.6 23.4#

71 35.6 27.5 41.3



#15

Benzyl Alcohol

Concen: 2.07 ng

RT: 6.86 min Scan# 435

Delta R.T. -0.02 min

Lab File: BF093635.D

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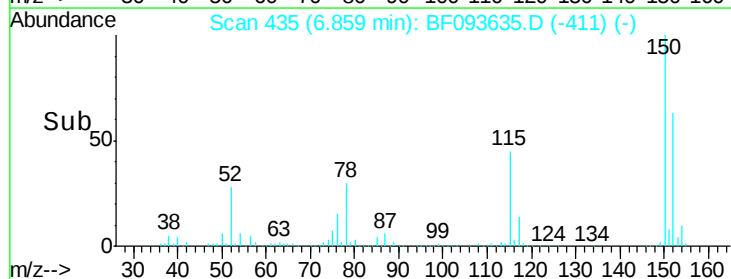
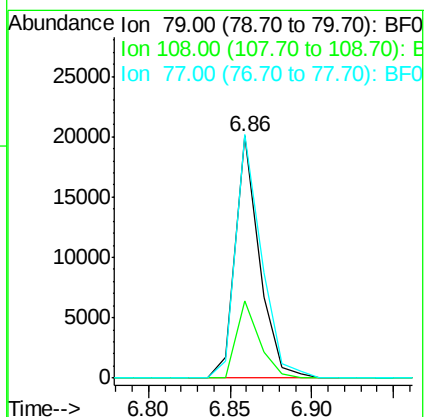
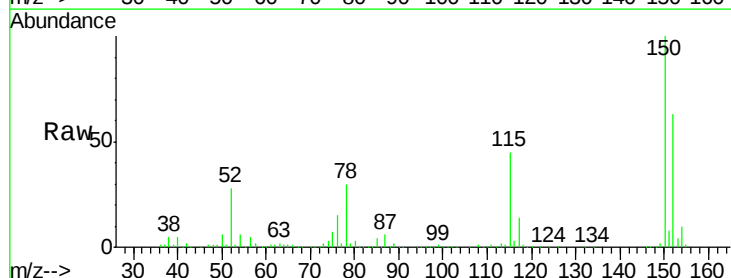
Tgt Ion: 79 Resp: 20335

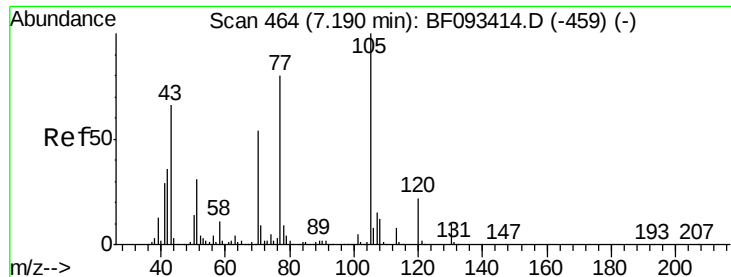
Ion Ratio Lower Upper

79 100

108 31.7 61.4 92.0#

77 100.6 50.9 76.3#

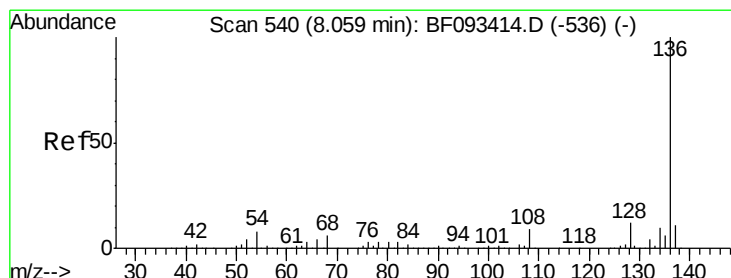
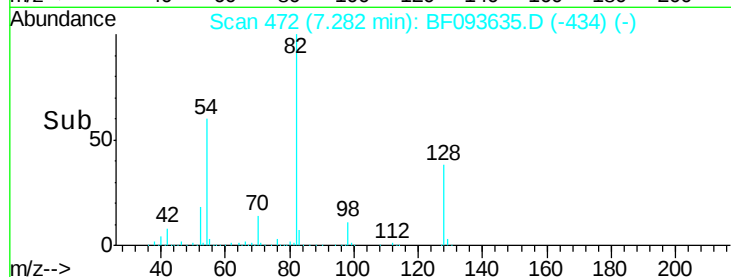
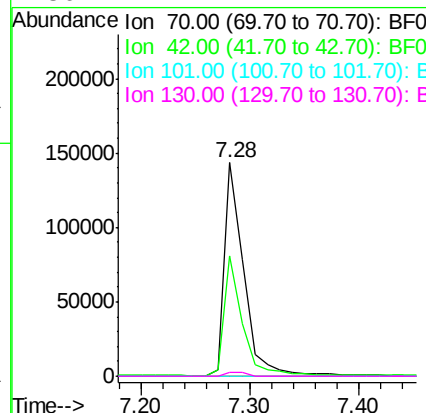
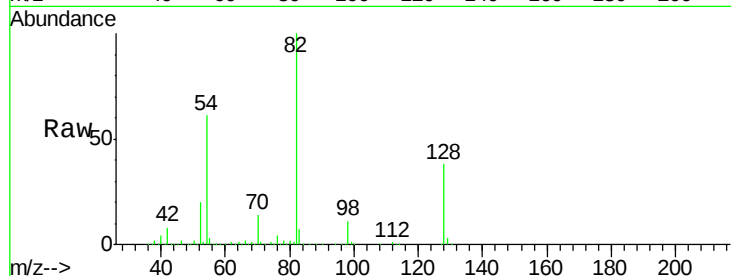




#19  
n-Nitroso-di-n-propylamine  
Concen: 18.98 ng  
RT: 7.28 min Scan# 472  
Delta R.T. 0.14 min  
Lab File: BF093635.D  
Acq: 14 Mar 2017 4:21

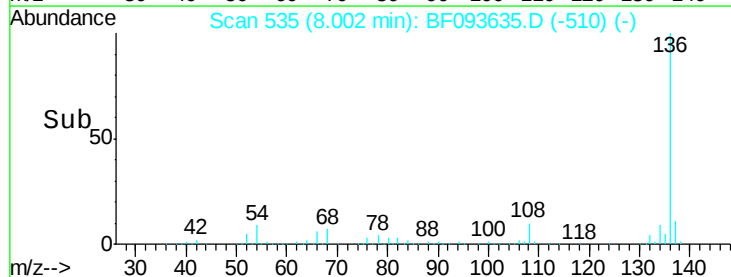
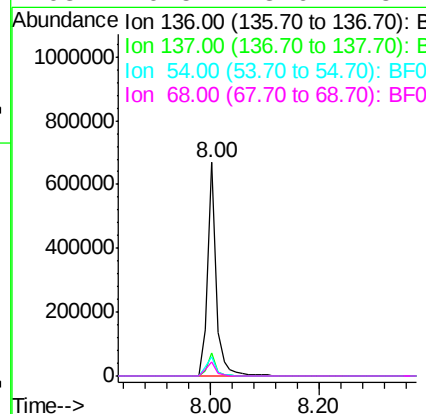
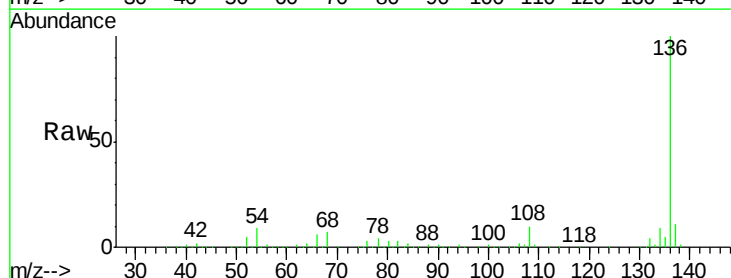
Instrument :  
BNA\_F  
ClientSampled :  
D-105

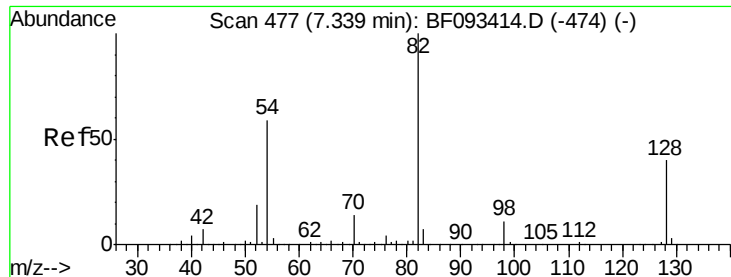
Tgt Ion: 70 Resp: 179547  
Ion Ratio Lower Upper  
70 100  
42 56.2 49.4 74.0  
101 0.0 7.4 11.2#  
130 1.7 14.2 21.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.00 min Scan# 535  
Delta R.T. -0.01 min  
Lab File: BF093635.D  
Acq: 14 Mar 2017 4:21

Tgt Ion: 136 Resp: 727015  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.4 12.6  
54 9.1 4.5 6.7#  
68 6.5 3.6 5.4#

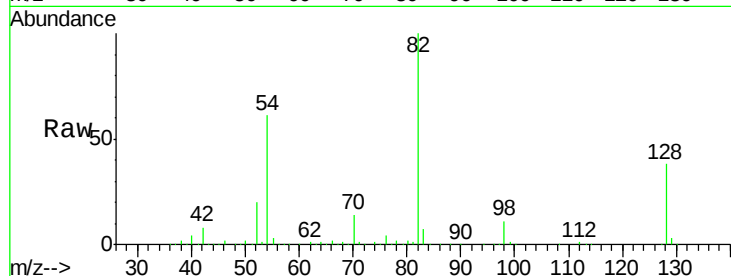




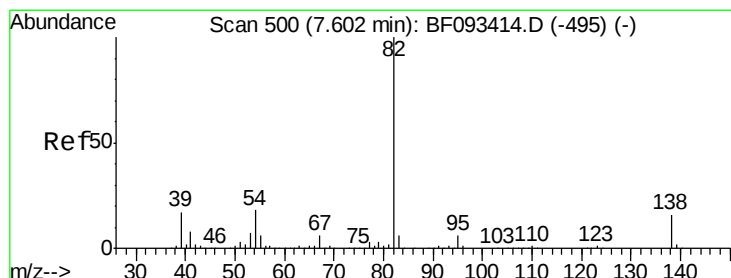
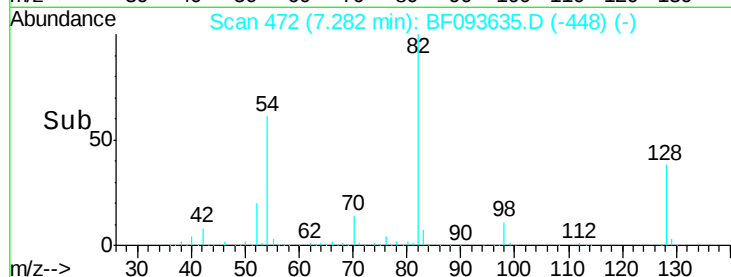
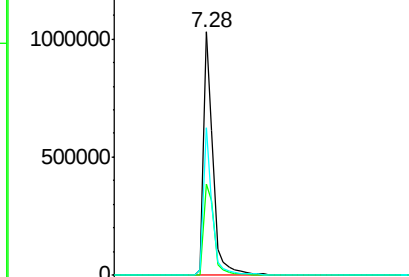
#23  
 Nitrobenzene-d5  
 Concen: 103.11 ng  
 RT: 7.28 min Scan# 472  
 Delta R.T. -0.02 min  
 Lab File: BF093635.D  
 Acq: 14 Mar 2017 4:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 D-105

Tgt Ion: 82 Resp: 1351101  
 Ion Ratio Lower Upper  
 82 100  
 128 37.5 34.6 52.0  
 54 60.9 39.5 59.3#

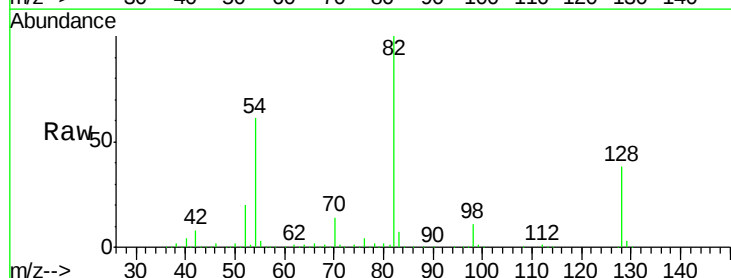


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

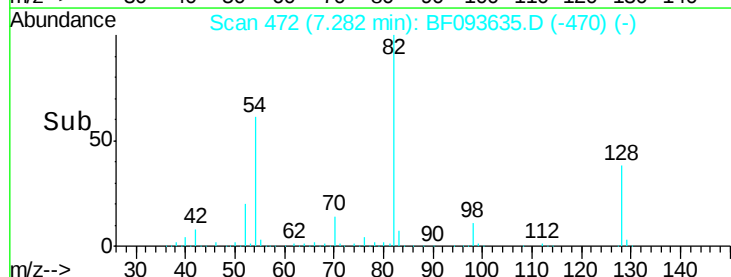
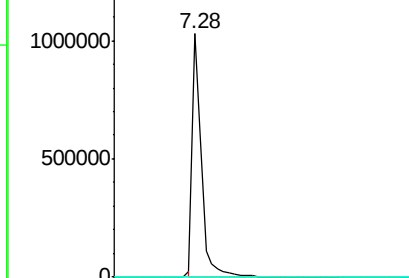


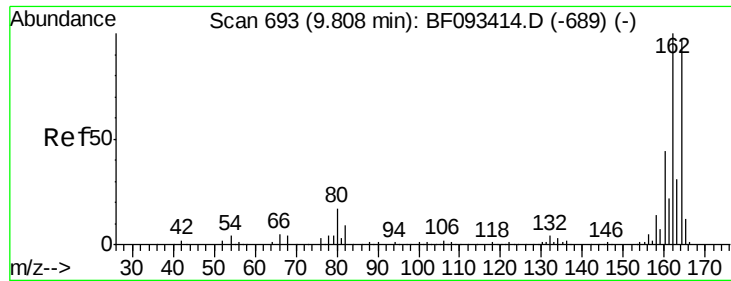
#25  
 Isophorone  
 Concen: 50.05 ng  
 RT: 7.28 min Scan# 472  
 Delta R.T. -0.27 min  
 Lab File: BF093635.D  
 Acq: 14 Mar 2017 4:21

Tgt Ion: 82 Resp: 1322524  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.6 8.4#  
 138 0.0 14.6 22.0#



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

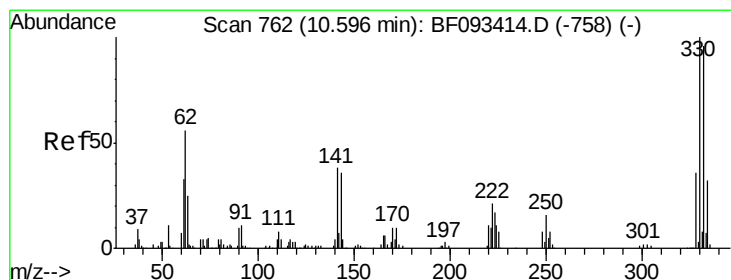
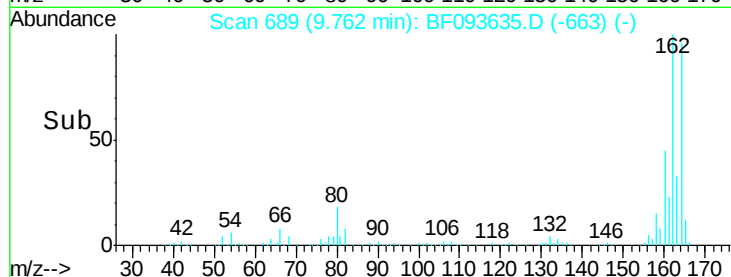
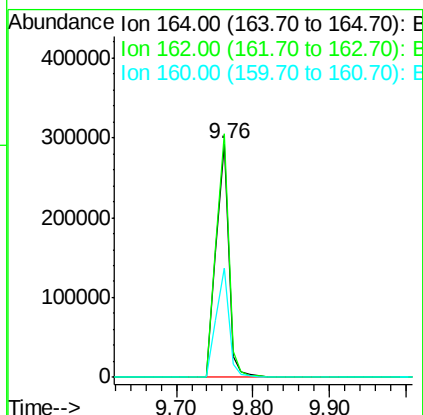
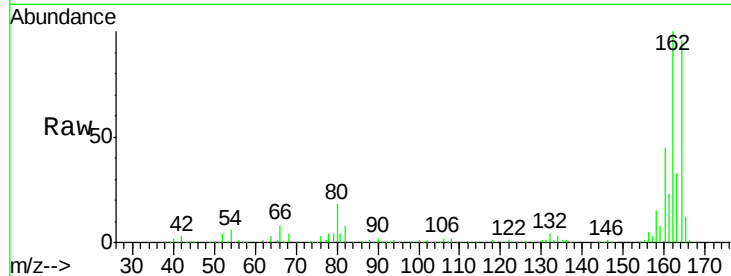




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.76 min Scan# 689  
 Delta R.T. 0.00 min  
 Lab File: BF093635.D  
 Acq: 14 Mar 2017 4:21

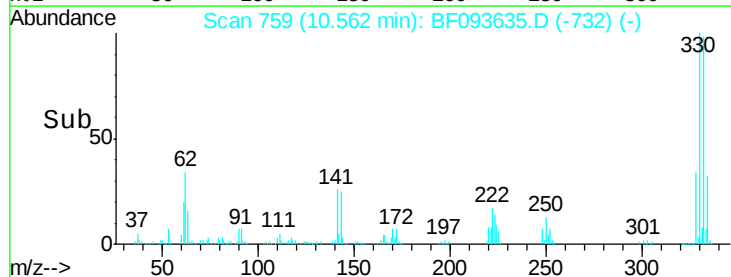
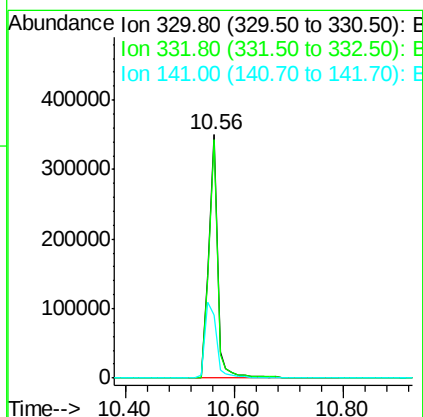
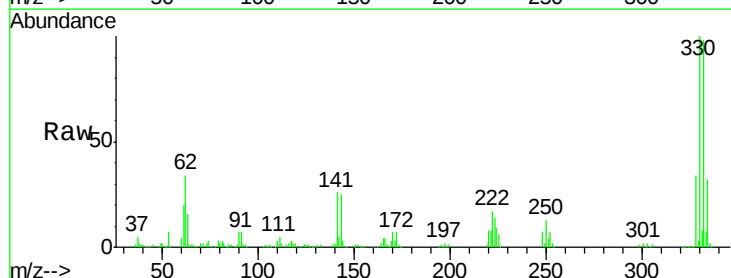
Instrument :  
 BNA\_F  
 ClientSampleId :  
 D-105

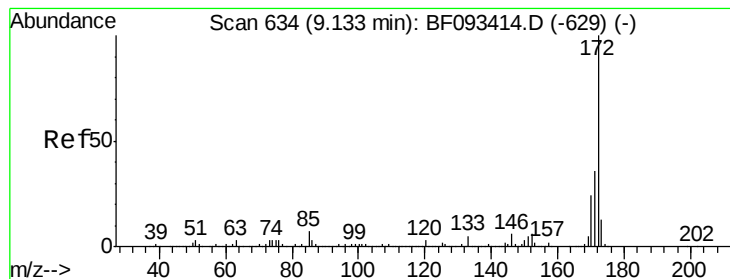
Tgt Ion:164 Resp: 336689  
 Ion Ratio Lower Upper  
 164 100  
 162 104.2 80.2 120.2  
 160 46.5 36.9 55.3



#41  
 2,4,6-Tribromophenol  
 Concen: 182.62 ng  
 RT: 10.56 min Scan# 759  
 Delta R.T. 0.01 min  
 Lab File: BF093635.D  
 Acq: 14 Mar 2017 4:21

Tgt Ion:330 Resp: 400588  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 77.4 116.2  
 141 40.5 34.1 51.1





#44

2-Fluorobiphenyl

Concen: 119.43 ng

RT: 9.09 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF093635.D

Acq: 14 Mar 2017 4:21

Instrument :

BNA\_F

ClientSampleId :

D-105

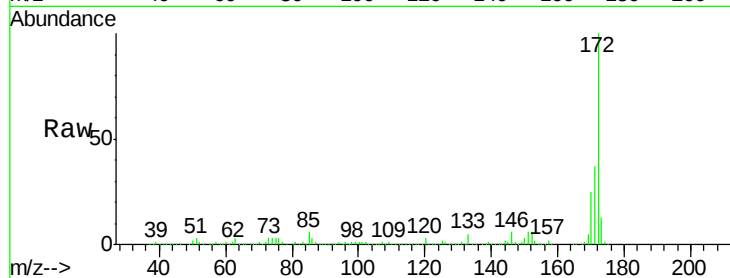
Tgt Ion:172 Resp: 2161792

Ion Ratio Lower Upper

172 100

171 36.7 29.4 44.0

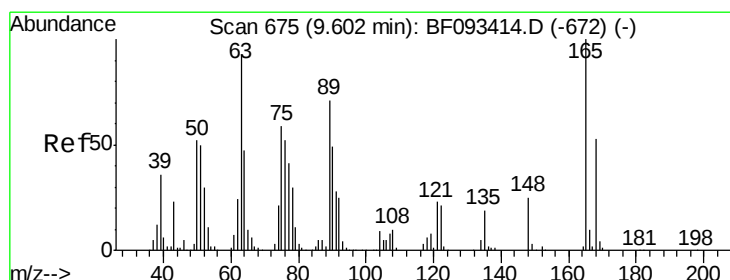
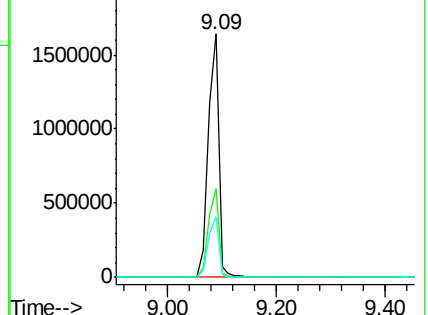
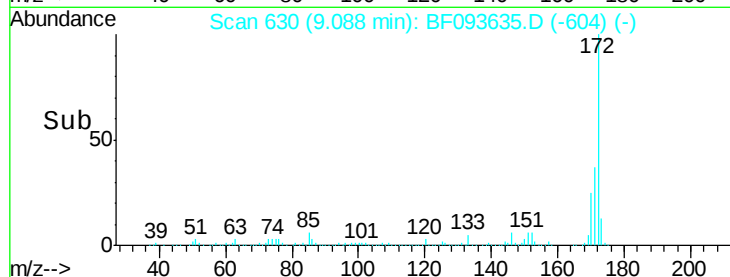
170 24.6 20.2 30.4



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: 8.46 ng

RT: 9.76 min Scan# 689

Delta R.T. 0.19 min

Lab File: BF093635.D

Acq: 14 Mar 2017 4:21

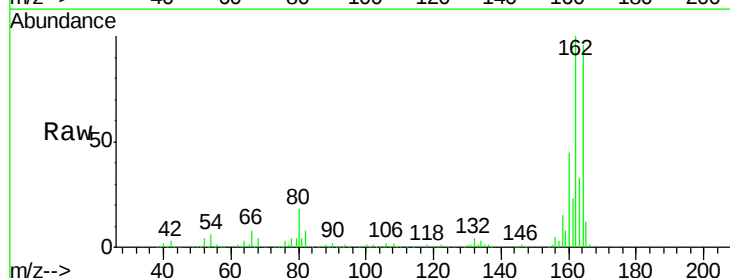
Tgt Ion:165 Resp: 41437

Ion Ratio Lower Upper

165 100

63 1.3 36.2 54.4#

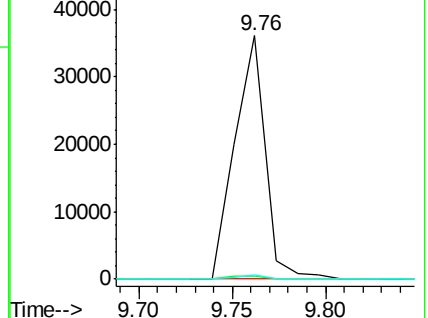
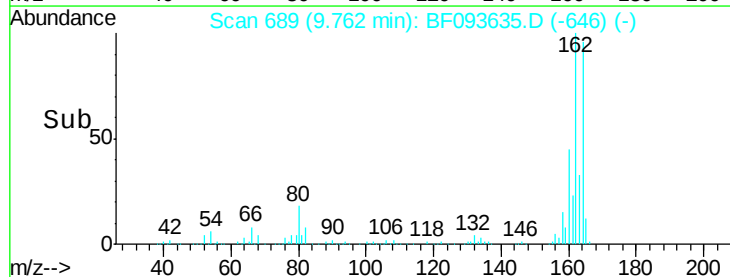
89 1.9 40.2 60.4#

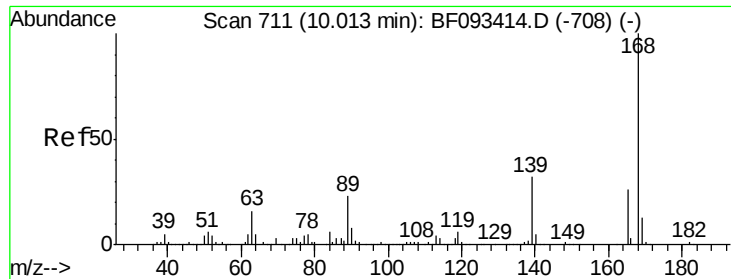


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

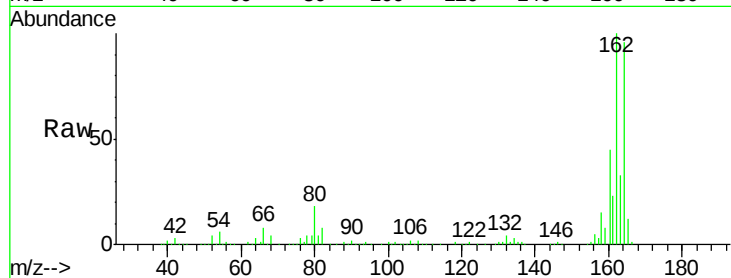




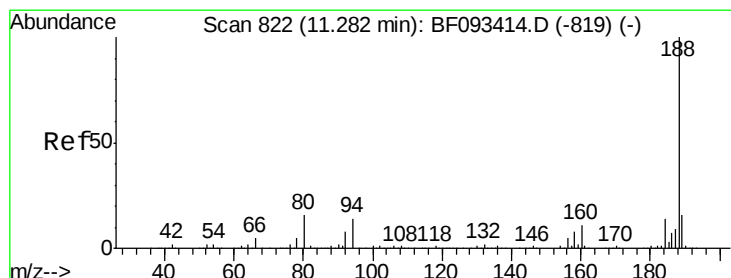
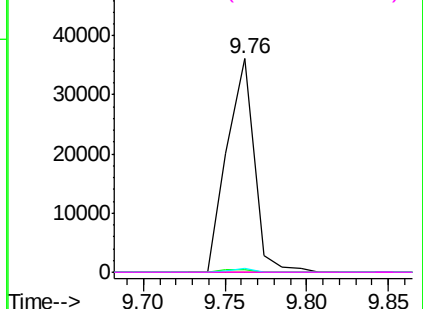
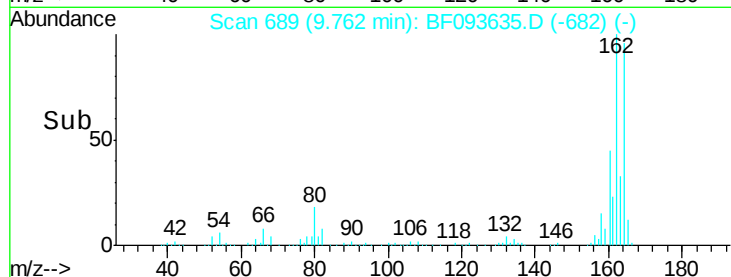
#56  
 2,4-Dinitrotoluene  
 Concen: 6.89 ng  
 RT: 9.76 min Scan# 689  
 Delta R.T. -0.22 min  
 Lab File: BF093635.D  
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Instrument :  
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 D-105

Tgt Ion:165 Resp: 41431  
 Ion Ratio Lower Upper  
 165 100  
 63 1.3 40.2 60.4#  
 89 1.9 62.5 93.7#  
 182 0.0 1.8 2.8#

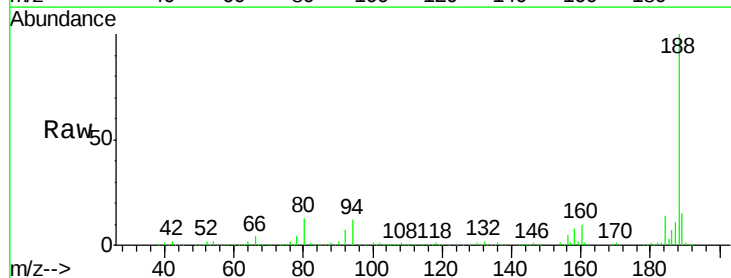


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0  
 Ion 182.00 (181.70 to 182.70): E

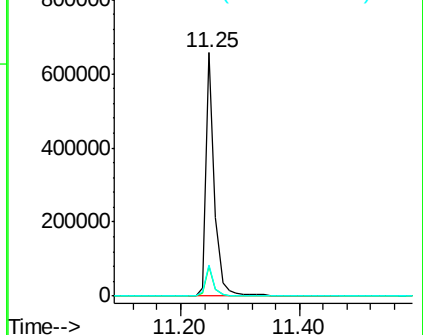
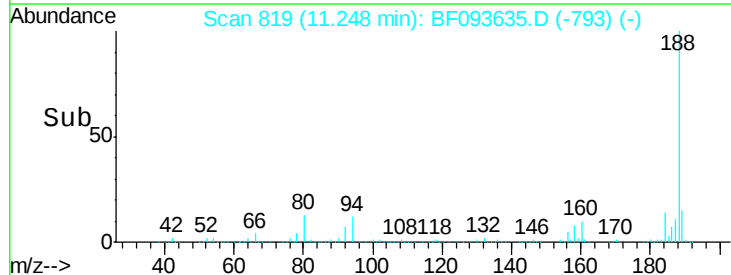


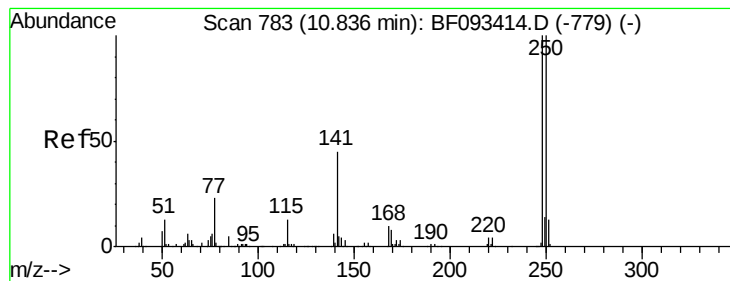
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.25 min Scan# 819  
 Delta R.T. 0.00 min  
 Lab File: BF093635.D  
 Acq: 14 Mar 2017 4:21

Tgt Ion:188 Resp: 665732  
 Ion Ratio Lower Upper  
 188 100  
 94 12.4 10.0 15.0  
 80 12.6 11.2 16.8



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: 4.31 ng

RT: 10.56 min Scan# 759

Delta R.T. -0.23 min

Lab File: BF093635.D

Acq: 14 Mar 2017 4:21

Instrument :

BNA\_F

ClientSampleId :

D-105

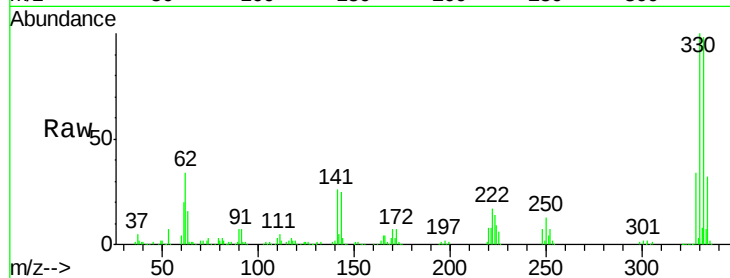
Tgt Ion:248 Resp: 30343

Ion Ratio Lower Upper

248 100

250 197.7 76.9 115.3#

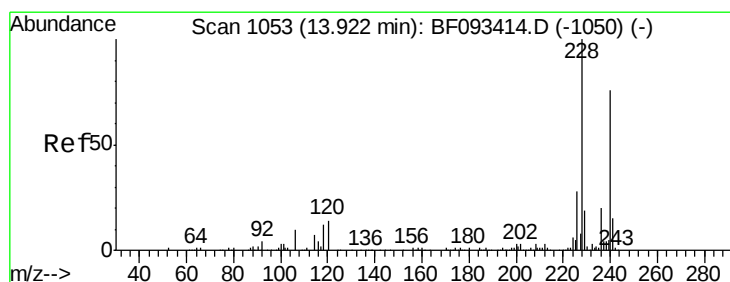
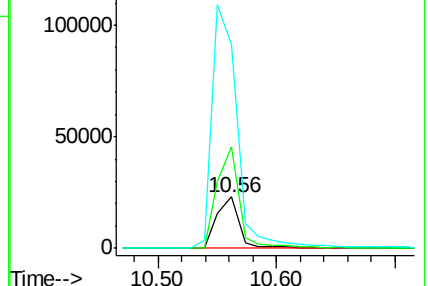
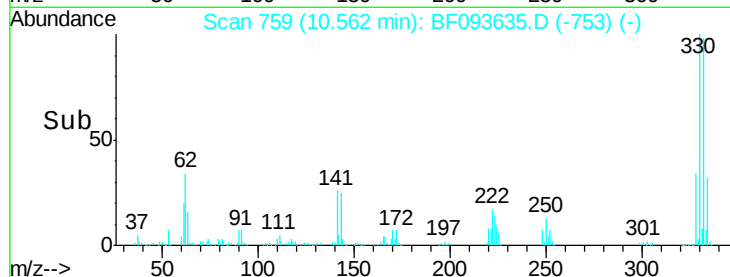
141 398.5 68.2 102.4#



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: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093635.D

Acq: 14 Mar 2017 4:21

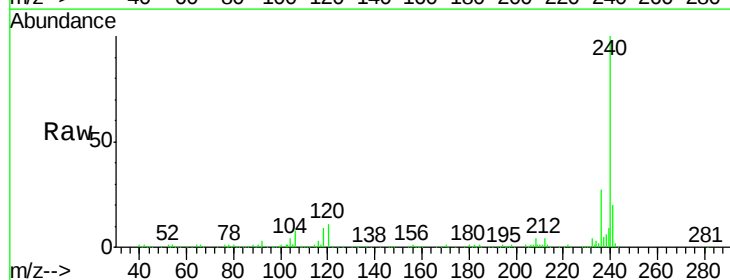
Tgt Ion:240 Resp: 485147

Ion Ratio Lower Upper

240 100

120 11.3 12.9 19.3#

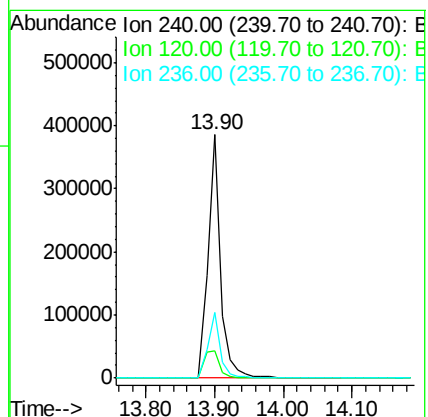
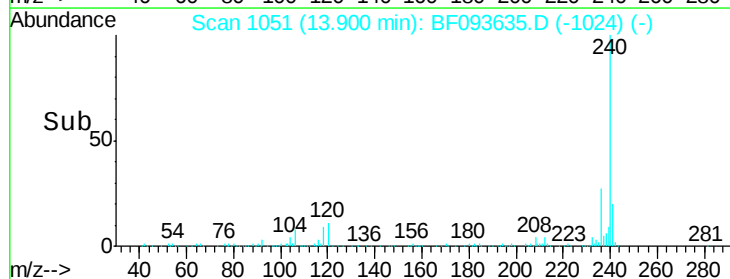
236 26.8 20.9 31.3

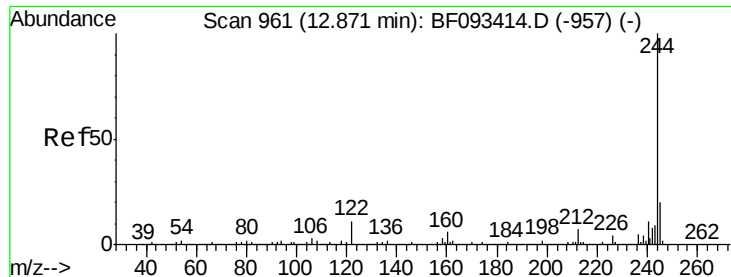


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 89.97 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093635.D

Acq: 14 Mar 2017 4:21

Instrument :

BNA\_F

ClientSampleId :

D-105

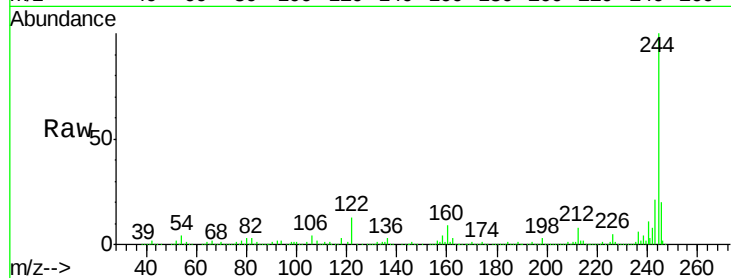
Tgt Ion:244 Resp: 1678897

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

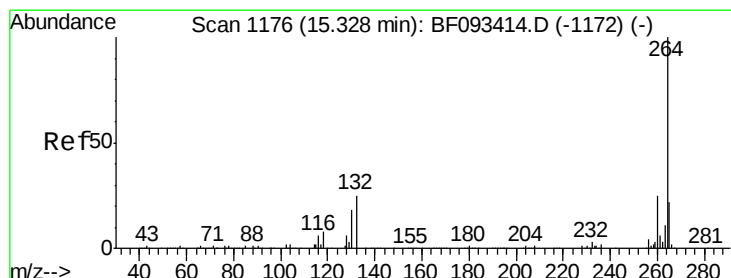
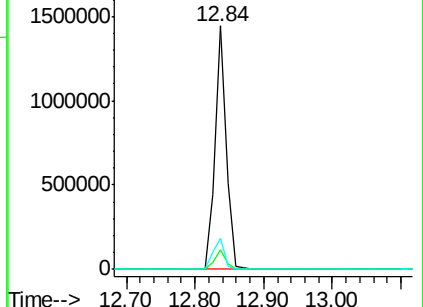
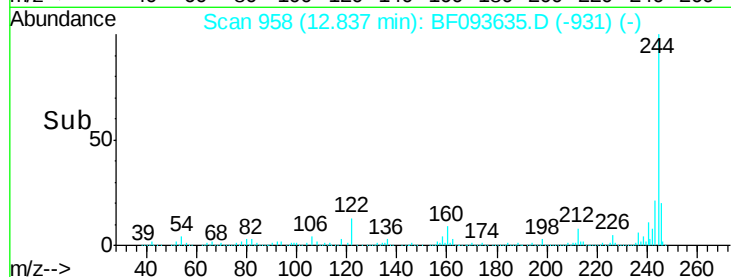
122 12.7 11.4 17.2



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: 15.31 min Scan# 1174

Delta R.T. 0.02 min

Lab File: BF093635.D

Acq: 14 Mar 2017 4:21

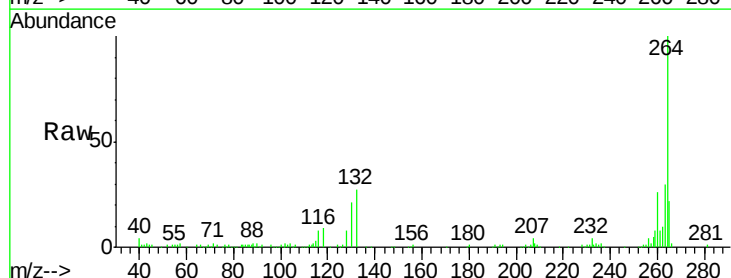
Tgt Ion:264 Resp: 184855

Ion Ratio Lower Upper

264 100

260 25.6 19.2 28.8

265 21.5 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

