

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090815\  
 Data File : BF081546.D  
 Acq On : 9 Sep 2015 5:12  
 Operator : UM/IZ  
 Sample : G3594-02  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VITALE-FILL-SOURCE-4B

Quant Time: Sep 09 05:56:00 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 09 03:32:15 2015  
 Response via : Initial Calibration

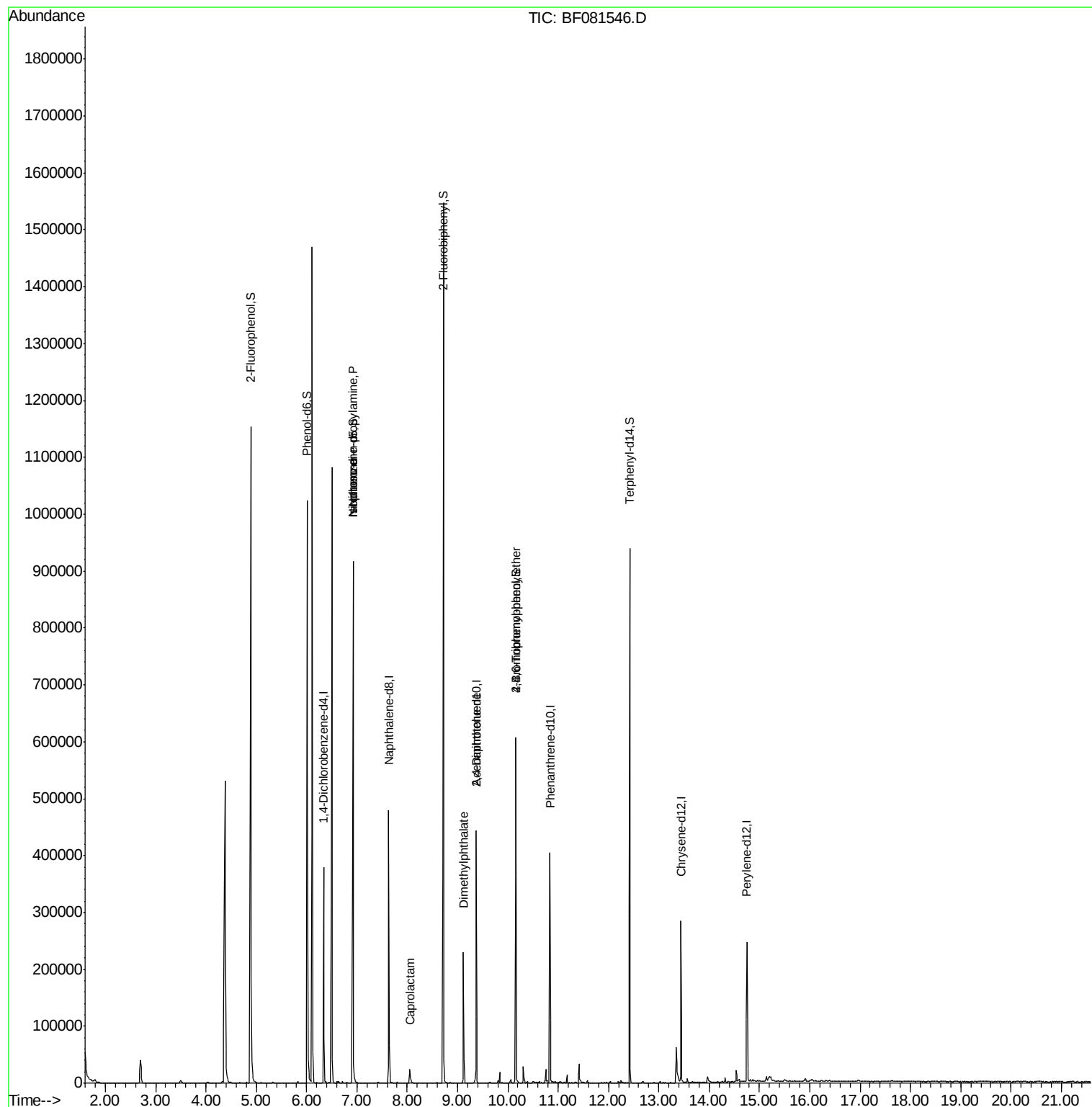
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.34  | 152  | 49538    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 7.63  | 136  | 188587   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.37  | 164  | 84946    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 10.83 | 188  | 149853   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.44 | 240  | 110856   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 14.75 | 264  | 106100   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 4.89  | 112  | 320815   | 100.48 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.01  | 99   | 400617   | 94.79  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 6.92  | 82   | 297797   | 76.19  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.16 | 330  | 73372    | 97.01  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 8.72  | 172  | 448895   | 67.72  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.42 | 244  | 282994   | 59.43  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 6.92  | 70   | 41092    | 14.29  | ng    | # 62     |
| 25) Isophorone                 | 6.92  | 82   | 222673   | 30.63  | ng    | # 58     |
| 35) Caprolactam                | 8.06  | 113  | 2898     | 3.57   | ng    | # 64     |
| 49) Dimethylphthalate          | 9.12  | 163  | 83034    | 12.58  | ng    | # 97     |
| 56) 2,4-Dinitrotoluene         | 9.37  | 165  | 10400    | 5.45   | ng    | # 31     |
| 66) 4-Bromophenyl-phenylether  | 10.16 | 248  | 5865     | 3.87   | ng    | # 1      |

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

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QLast Update : Wed Sep 09 03:32:15 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF081546.D

Acq: 9 Sep 2015 5:12

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-SOURCE-4B

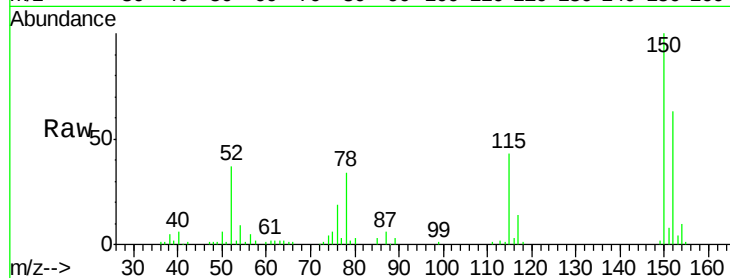
Tot Ion:152 Resp: 49538

Ion Ratio Lower Upper

152 100

150 158.9 124.7 187.1

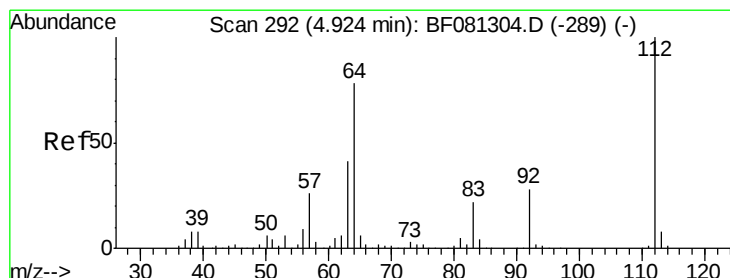
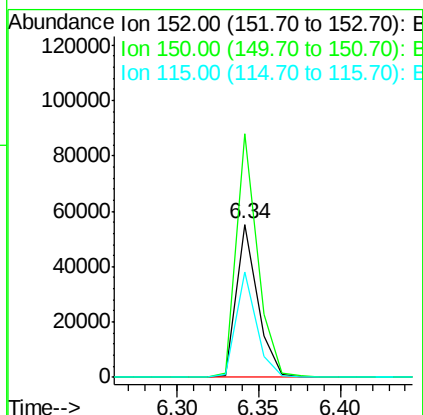
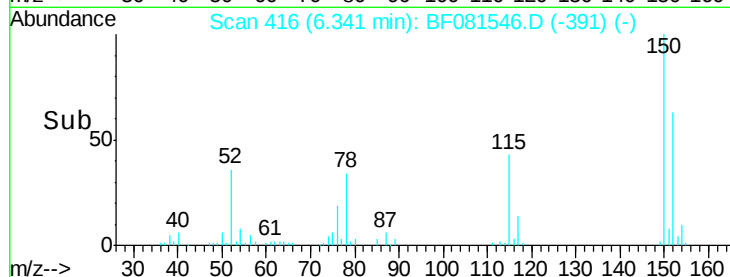
115 69.1 39.0 58.4#



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: 100.48 ng

RT: 4.89 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF081546.D

Acq: 9 Sep 2015 5:12

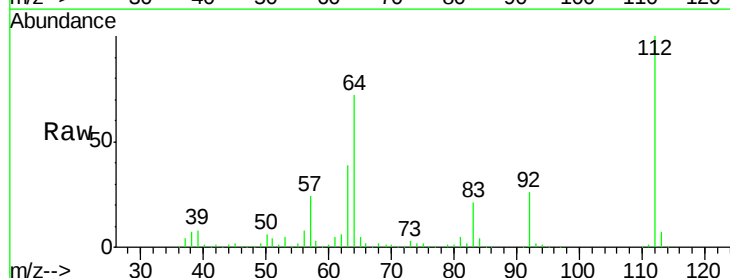
Tgt Ion:112 Resp: 320815

Ion Ratio Lower Upper

112 100

64 72.0 39.7 59.5#

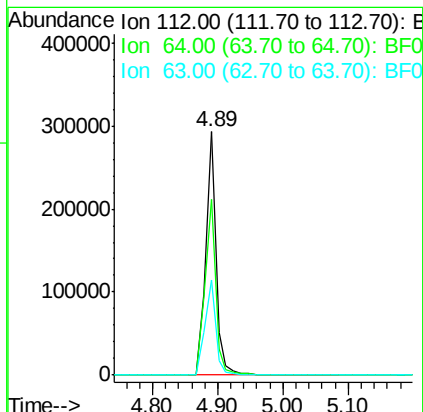
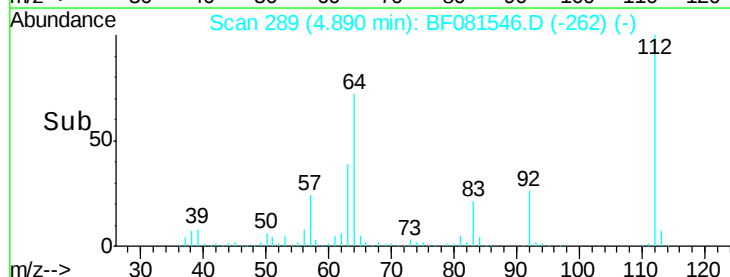
63 39.3 17.4 26.0#



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: 94.79 ng

RT: 6.01 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081546.D

Acq: 9 Sep 2015 5:12

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-SOURCE-4B

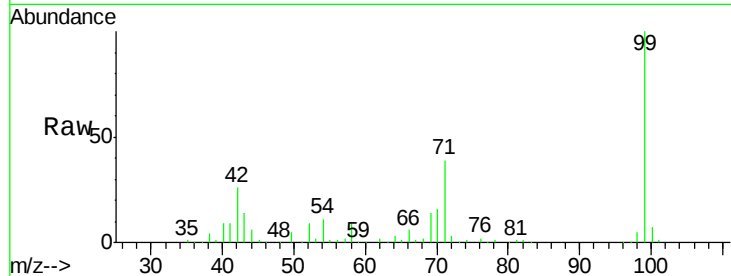
Tot Ion: 99 Resp: 400617

Ion Ratio Lower Upper

99 100

42 25.7 13.7 20.5#

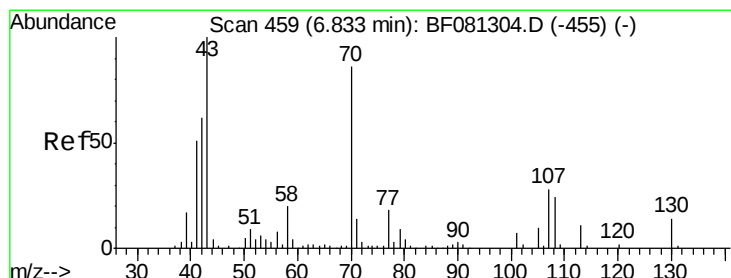
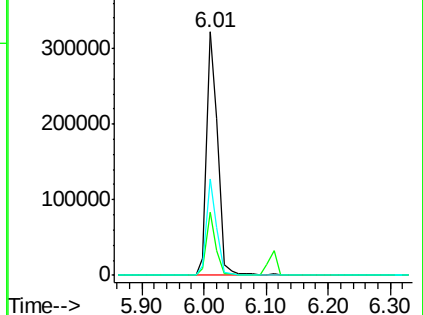
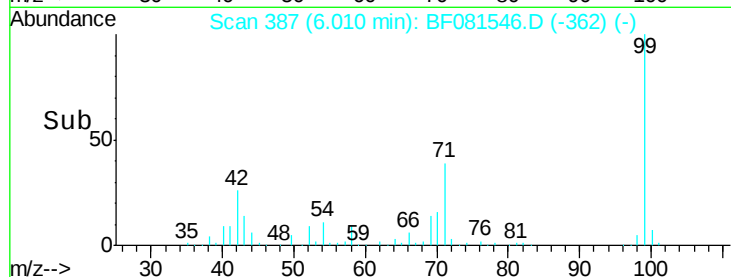
71 39.5 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.29 ng

RT: 6.92 min Scan# 467

Delta R.T. 0.13 min

Lab File: BF081546.D

Acq: 9 Sep 2015 5:12

Tgt Ion: 70 Resp: 41092

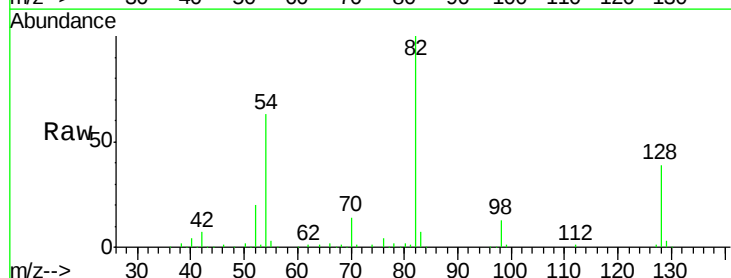
Ion Ratio Lower Upper

70 100

42 52.5 63.8 95.6#

101 0.0 9.2 13.8#

130 1.6 27.3 40.9#

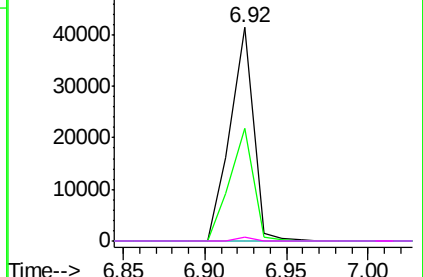
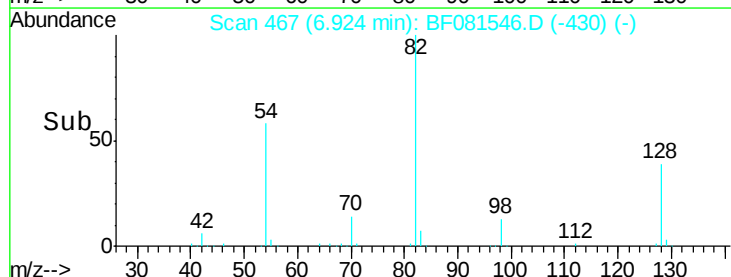


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.63 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF081546.D

Acq: 9 Sep 2015 5:12

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-SOURCE-4B

Tot Ion:136 Resp: 188587

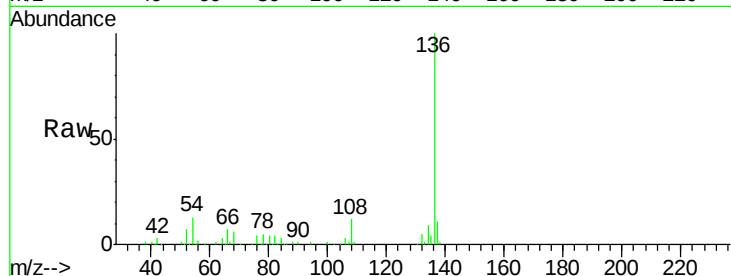
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 12.6 8.2 12.2#

68 5.6 5.8 8.6#

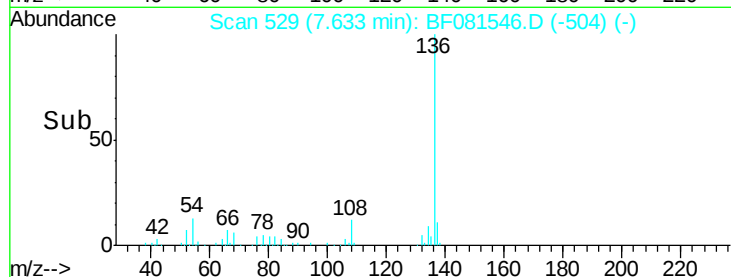


Abundance Ion 136.00 (135.70 to 136.70): E

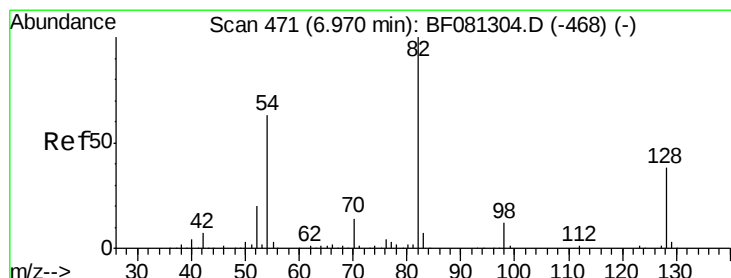
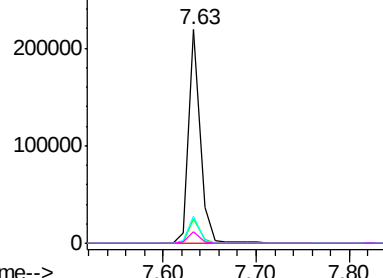
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 76.19 ng

RT: 6.92 min Scan# 467

Delta R.T. -0.01 min

Lab File: BF081546.D

Acq: 9 Sep 2015 5:12

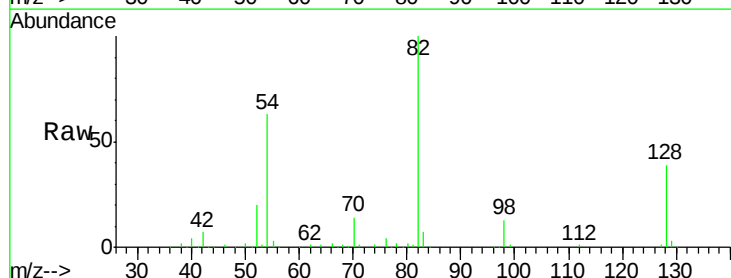
Tgt Ion: 82 Resp: 297797

Ion Ratio Lower Upper

82 100

128 39.5 51.0 76.6#

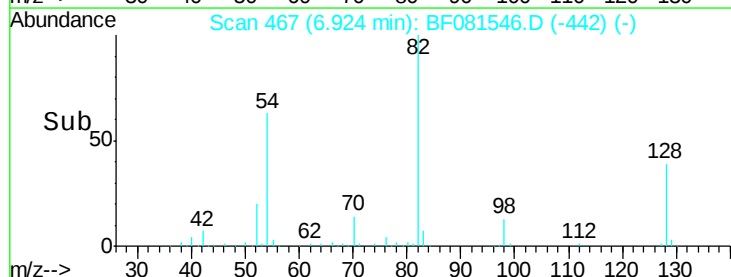
54 63.4 47.5 71.3



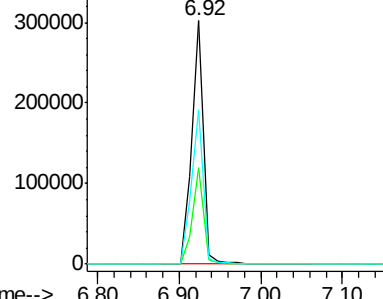
Abundance Ion 82.00 (81.70 to 82.70): BF0

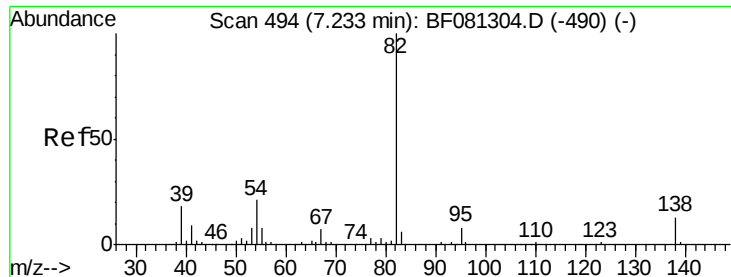
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 30.63 ng

RT: 6.92 min Scan# 467

Delta R.T. -0.27 min

Lab File: BF081546.D

Acq: 9 Sep 2015 5:12

Instrument :

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ClientSampleId :

VITALE-FILL-SOURCE-4B

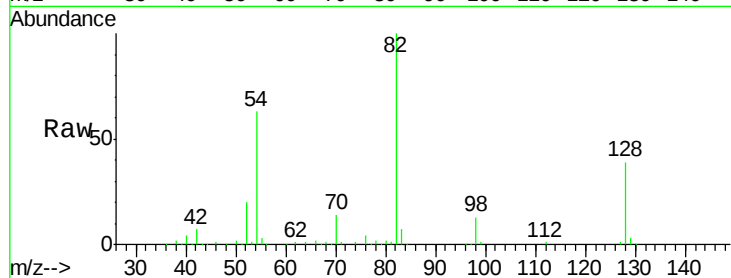
Tot Ion: 82 Resp: 222673

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

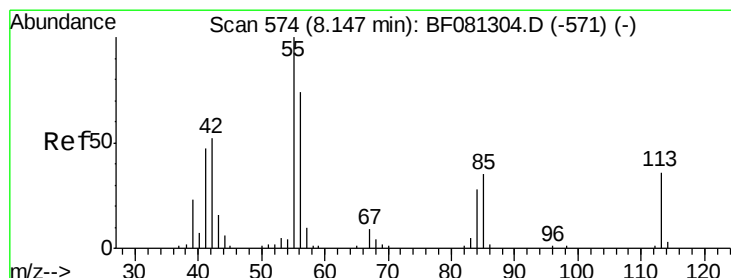
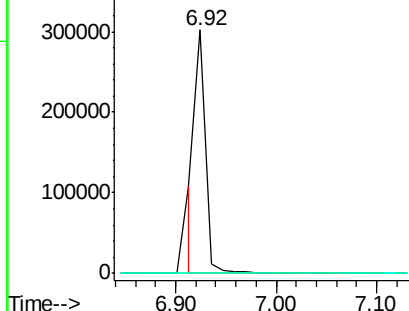
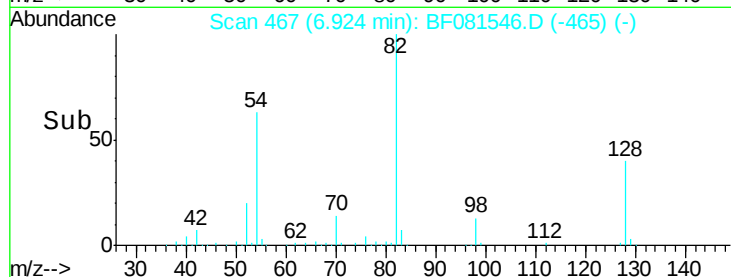
138 0.0 18.3 27.5#



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



#35

Caprolactam

Concen: 3.57 ng

RT: 8.06 min Scan# 566

Delta R.T. -0.06 min

Lab File: BF081546.D

Acq: 9 Sep 2015 5:12

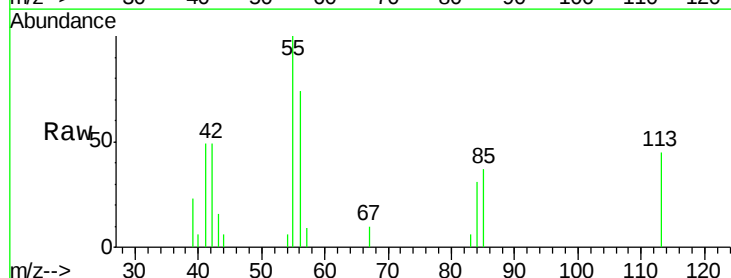
Tgt Ion: 113 Resp: 2898

Ion Ratio Lower Upper

113 100

55 222.8 152.4 192.4#

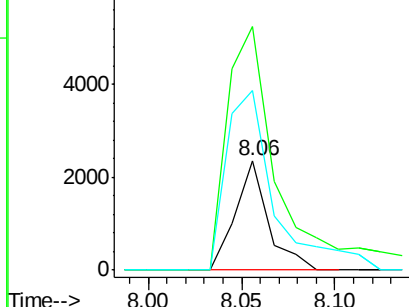
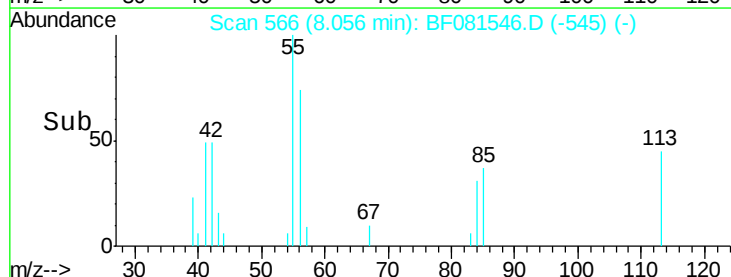
56 164.7 104.6 144.6#

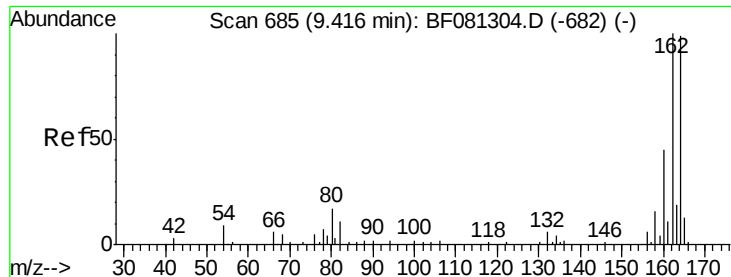


Abundance Ion 113.00 (112.70 to 113.70): BF0

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF081546.D

Acq: 9 Sep 2015 5:12

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-SOURCE-4B

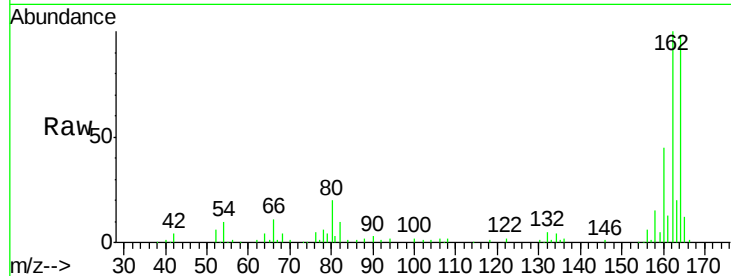
Tot Ion:164 Resp: 84946

Ion Ratio Lower Upper

164 100

162 101.5 75.2 112.8

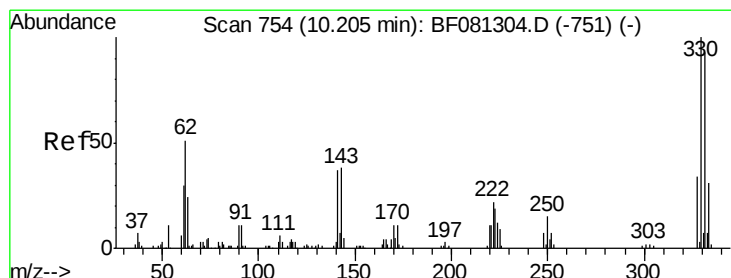
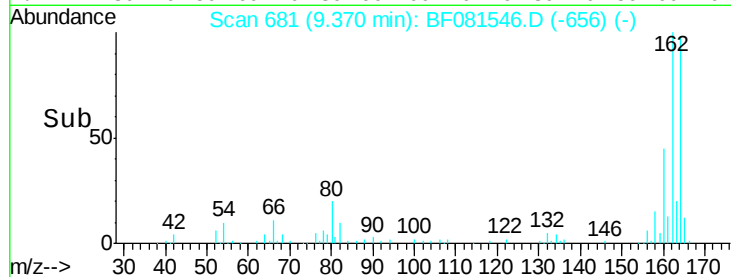
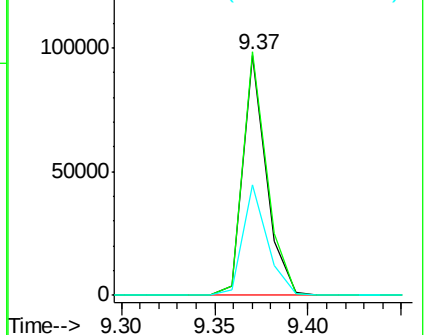
160 45.9 31.5 47.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 97.01 ng

RT: 10.16 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF081546.D

Acq: 9 Sep 2015 5:12

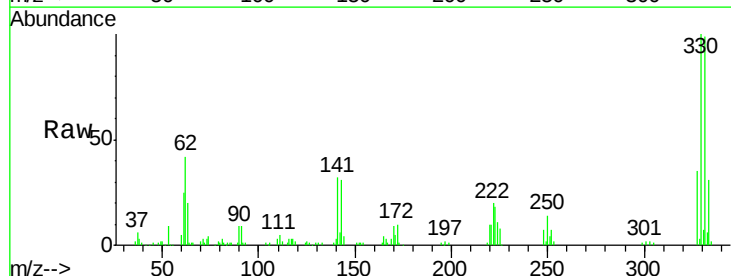
Tgt Ion:330 Resp: 73372

Ion Ratio Lower Upper

330 100

332 98.3 76.6 114.8

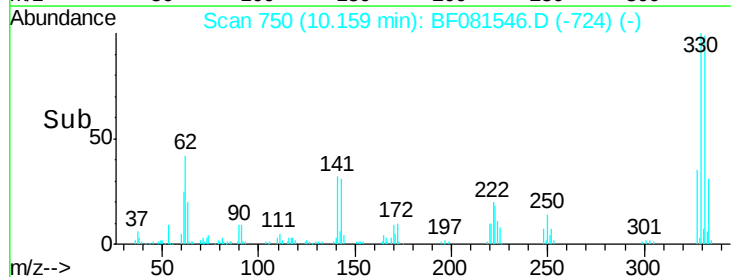
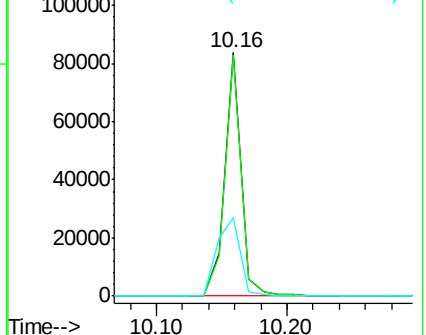
141 45.9 29.7 44.5#

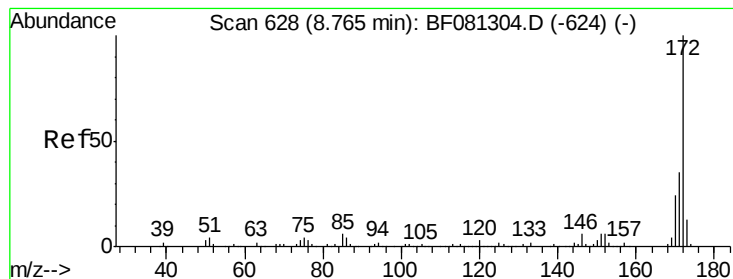


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 67.72 ng

RT: 8.72 min Scan# 624

Delta R.T. 0.00 min

Lab File: BF081546.D

Acq: 9 Sep 2015 5:12

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-SOURCE-4B

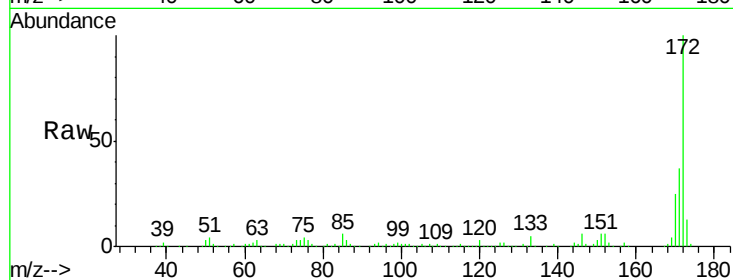
Tot Ion:172 Resp: 448895

Ion Ratio Lower Upper

172 100

171 36.5 26.1 39.1

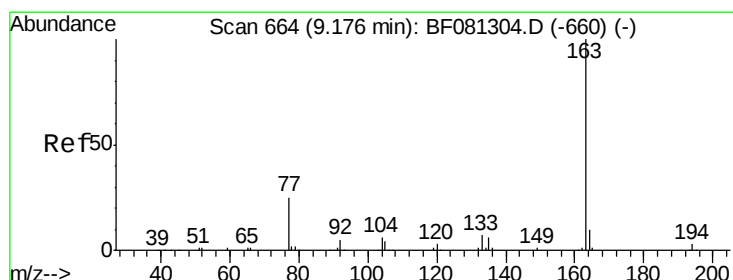
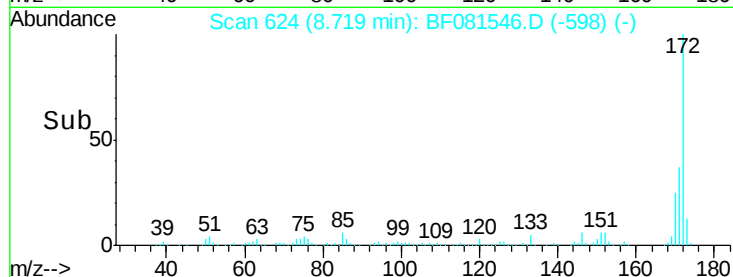
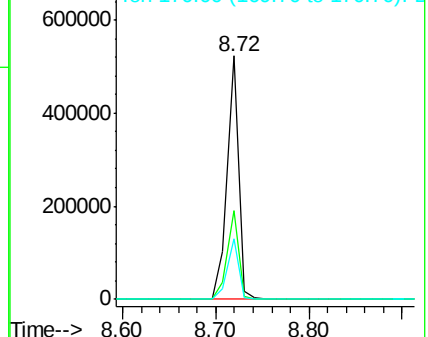
170 24.8 17.4 26.2



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 12.58 ng

RT: 9.12 min Scan# 659

Delta R.T. -0.01 min

Lab File: BF081546.D

Acq: 9 Sep 2015 5:12

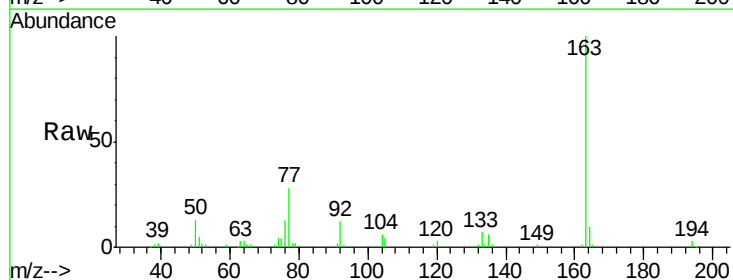
Tgt Ion:163 Resp: 83034

Ion Ratio Lower Upper

163 100

194 3.0 4.4 6.6#

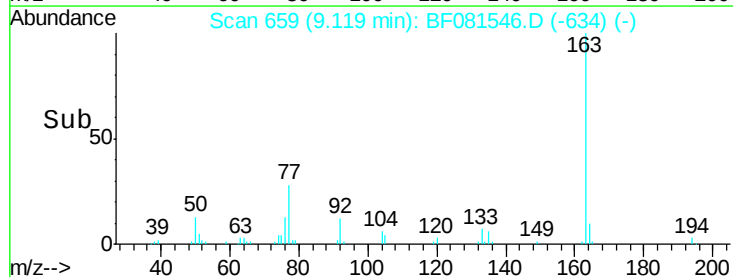
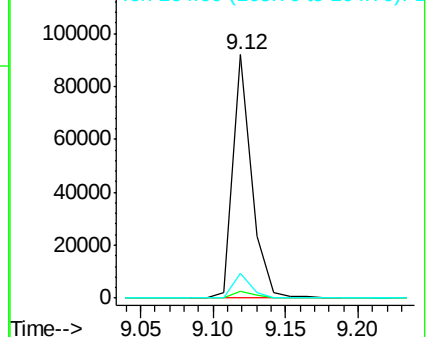
164 10.1 8.3 12.5

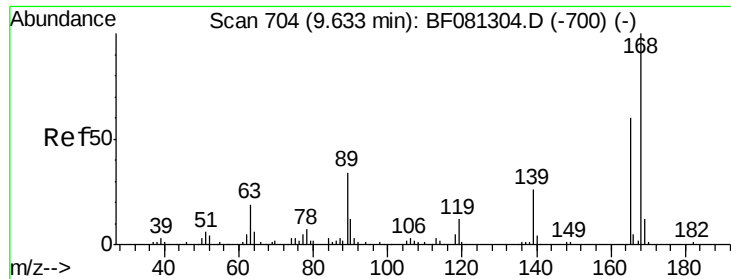


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

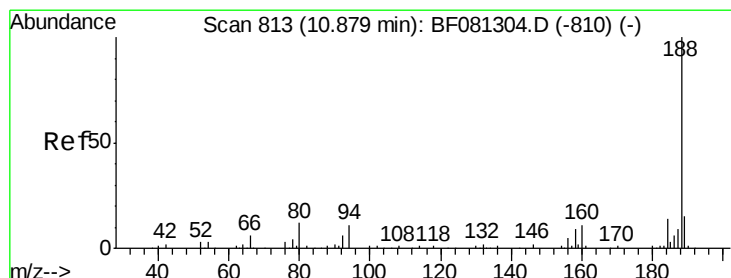
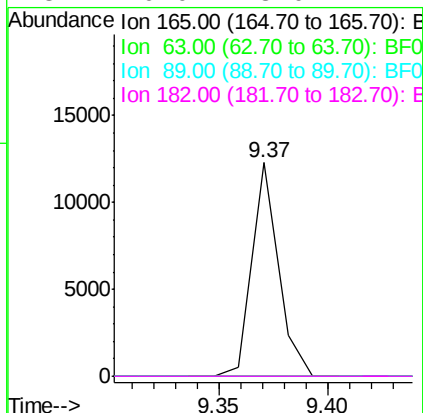
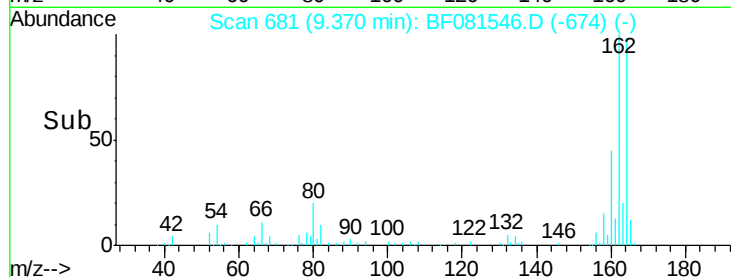
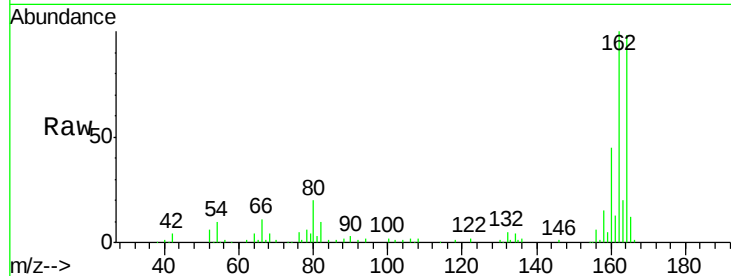




#56  
 2,4-Dinitrotoluene  
 Concen: 5.45 ng  
 RT: 9.37 min Scan# 681  
 Delta R.T. -0.22 min  
 Lab File: BF081546.D  
 Acq: 9 Sep 2015 5:12

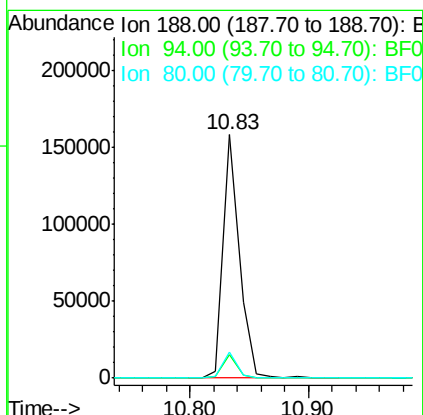
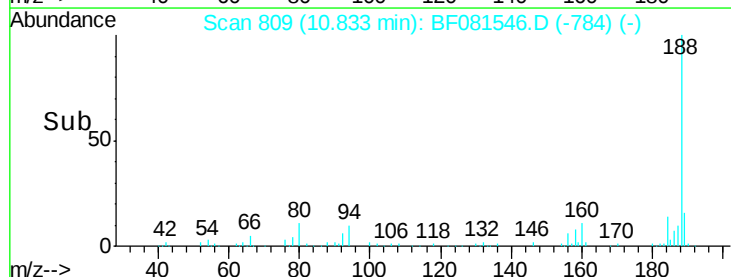
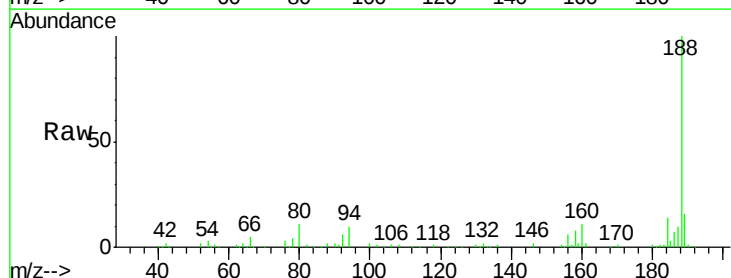
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VITALE-FILL-SOURCE-4B

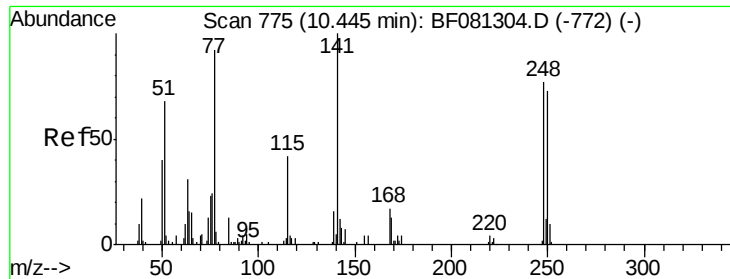
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 165   | Resp: | 10400 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.0   | 29.8  | 44.6# |
| 89       | 0.0   | 44.5  | 66.7# |
| 182      | 0.0   | 3.0   | 4.4#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 10.83 min Scan# 809  
 Delta R.T. -0.01 min  
 Lab File: BF081546.D  
 Acq: 9 Sep 2015 5:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 149853 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.6   | 11.1  | 16.7#  |
| 80       | 10.6  | 11.0  | 16.4#  |

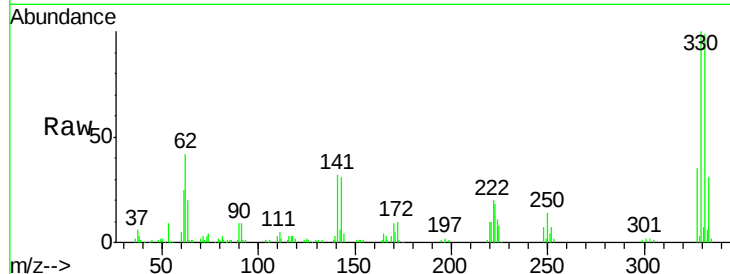




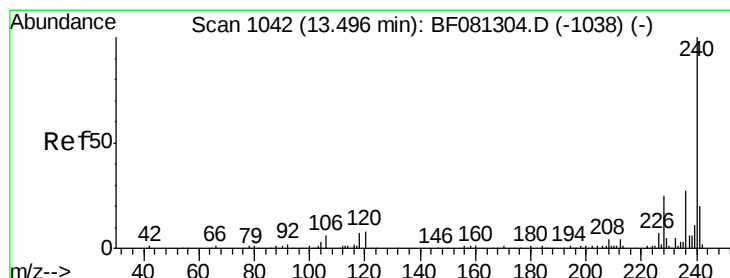
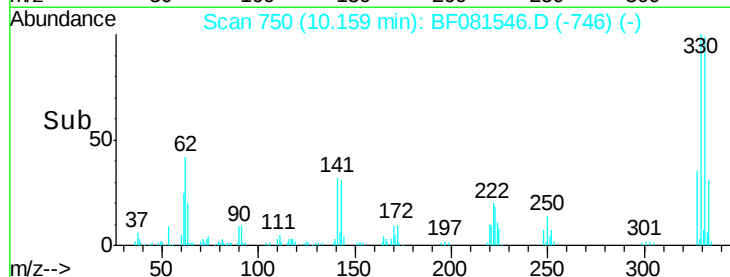
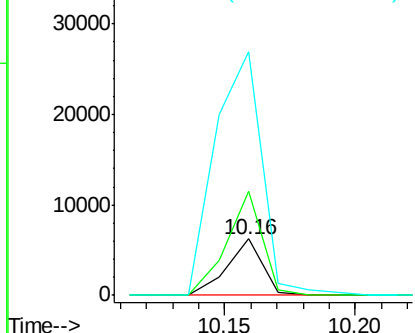
#66  
4-Bromophenyl-phenylether  
Concen: 3.87 ng  
RT: 10.16 min Scan# 750  
Delta R.T. -0.25 min  
Lab File: BF081546.D  
Acq: 9 Sep 2015 5:12

Instrument :  
BNA\_F  
ClientSampleId :  
VITALE-FILL-SOURCE-4B

Tot Ion:248 Resp: 5865  
Ion Ratio Lower Upper  
248 100  
250 185.8 78.5 117.7#  
141 432.8 59.0 88.6#

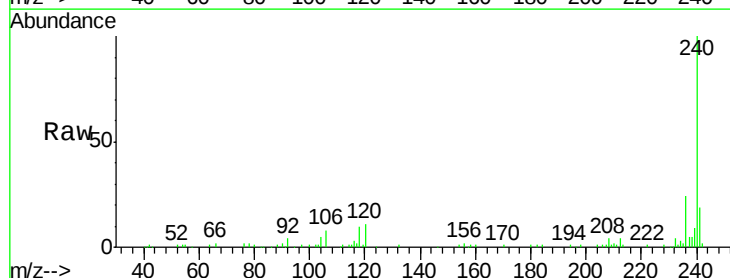


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

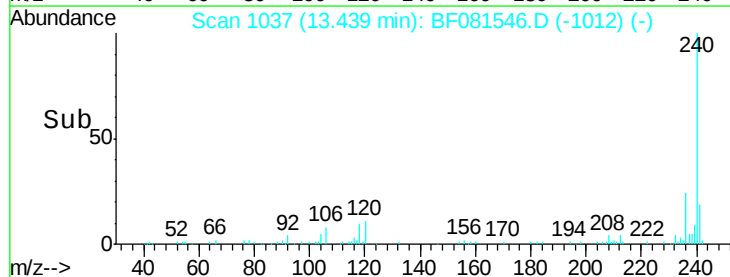
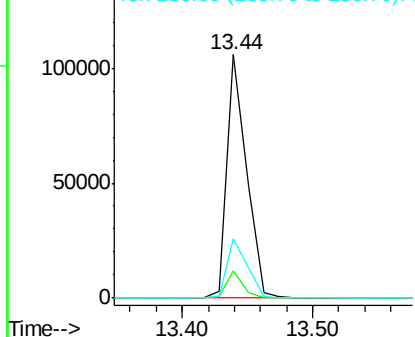


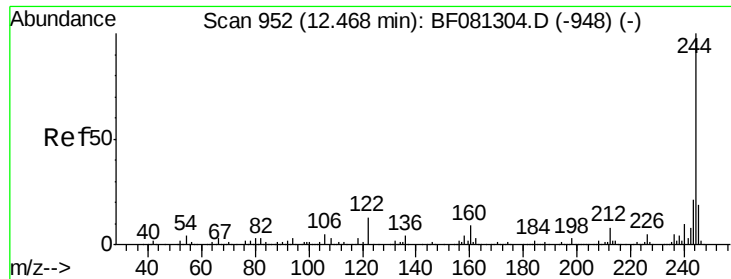
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.44 min Scan# 1037  
Delta R.T. -0.01 min  
Lab File: BF081546.D  
Acq: 9 Sep 2015 5:12

Tgt Ion:240 Resp: 110856  
Ion Ratio Lower Upper  
240 100  
120 11.1 16.2 24.2#  
236 24.5 18.4 27.6



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

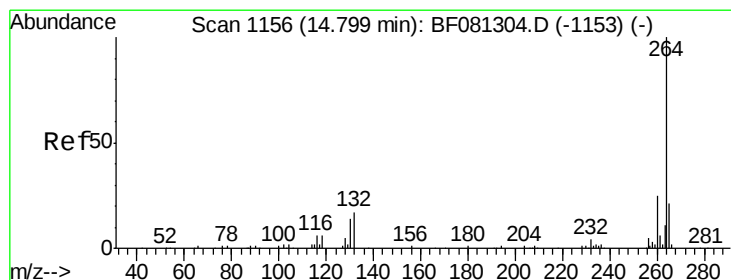
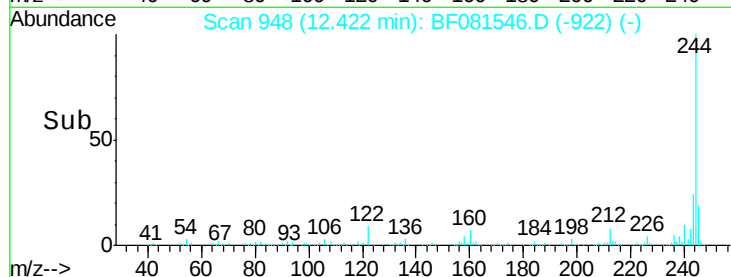
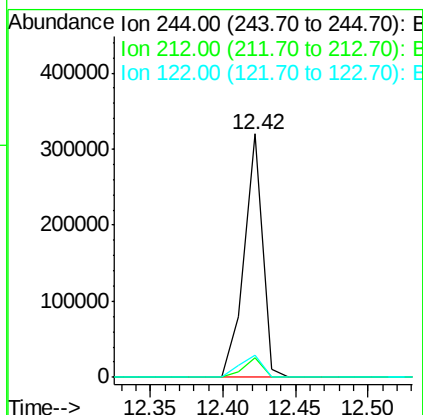
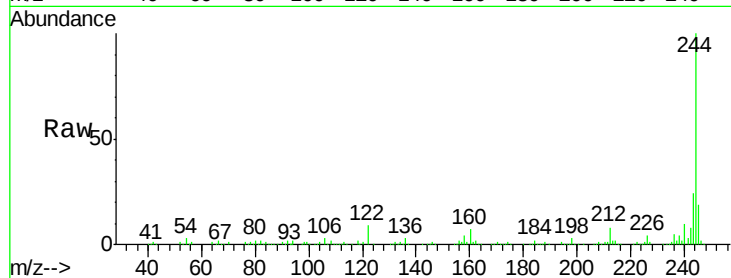




#78  
 Terphenyl-d14  
 Concen: 59.43 ng  
 RT: 12.42 min Scan# 948  
 Delta R.T. 0.00 min  
 Lab File: BF081546.D  
 Acq: 9 Sep 2015 5:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VITALE-FILL-SOURCE-4B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.9   | 4.3   | 6.5#  |
| 122     | 8.9   | 17.4  | 26.2# |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.75 min Scan# 1152  
 Delta R.T. 0.00 min  
 Lab File: BF081546.D  
 Acq: 9 Sep 2015 5:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.4  | 16.7  | 25.1  |
| 265     | 20.6  | 17.2  | 25.8  |

