

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF091615\  
 Data File : BF081663.D  
 Acq On : 17 Sep 2015 3:01  
 Operator : UM/IZ  
 Sample : G3624-08  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VITALE-FILL-SOURCE-6

Quant Time: Sep 17 04:18:47 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 15 14:03:59 2015  
 Response via : Initial Calibration

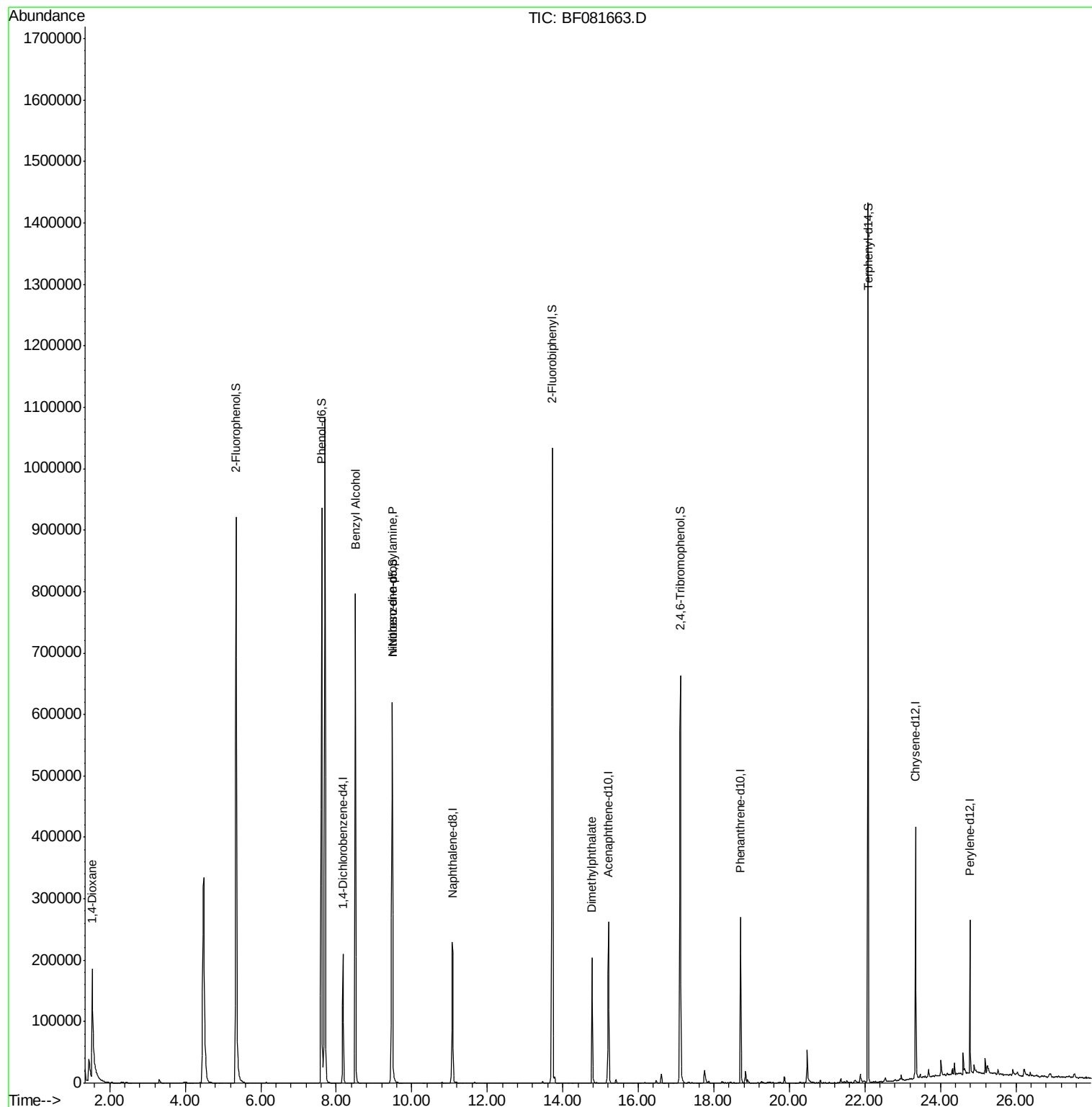
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.18  | 152  | 49280    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 11.07 | 136  | 200809   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10           | 15.21 | 164  | 94222    | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10           | 18.71 | 188  | 194614   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12               | 23.35 | 240  | 145329   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 24.79 | 264  | 99139    | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.35  | 112  | 441696   | 139.06 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.61  | 99   | 606914   | 144.35 | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 9.49  | 82   | 406655   | 97.70  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol       | 17.12 | 330  | 125763   | 149.90 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl           | 13.73 | 172  | 695760   | 94.63  | ng    | -0.05    |
| 78) Terphenyl-d14              | 22.08 | 244  | 626714   | 100.39 | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 1.53  | 88   | 9489     | 6.65   | ng    | # 11     |
| 15) Benzyl Alcohol             | 8.51  | 79   | 7098     | 2.06   | ng    | # 32     |
| 19) n-Nitroso-di-n-propylamine | 9.49  | 70   | 53979    | 18.86  | ng    | # 66     |
| 49) Dimethylphthalate          | 14.78 | 163  | 147038   | 20.09  | ng    | # 96     |

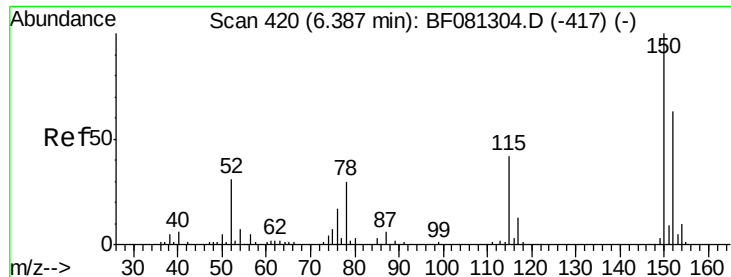
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 15 14:03:59 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.18 min Scan# 599

Delta R.T. -0.03 min

Lab File: BF081663.D

Acq: 17 Sep 2015 3:01

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-SOURCE-6

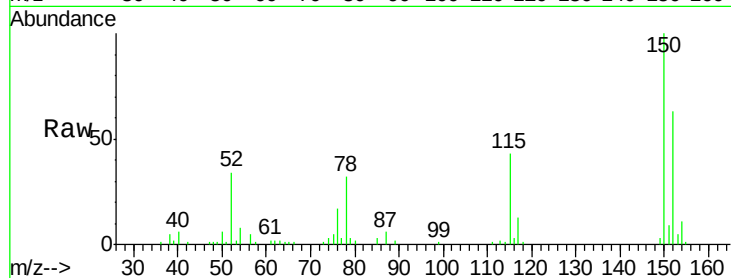
Tgt Ion:152 Resp: 49280

Ion Ratio Lower Upper

152 100

150 159.8 124.7 187.1

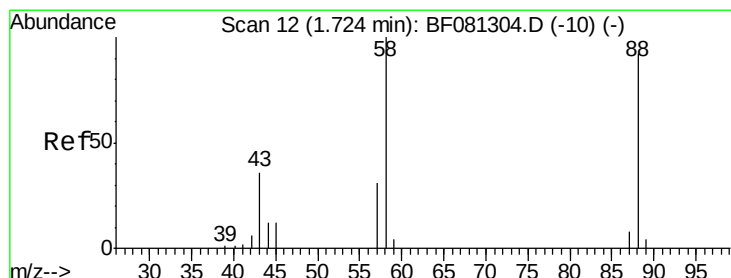
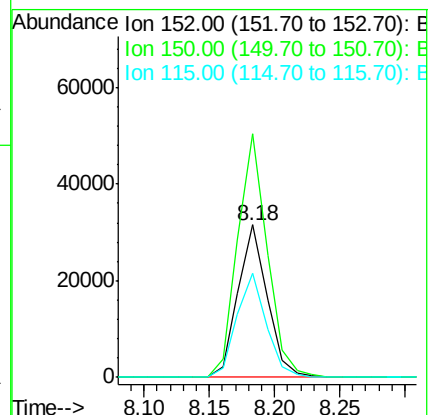
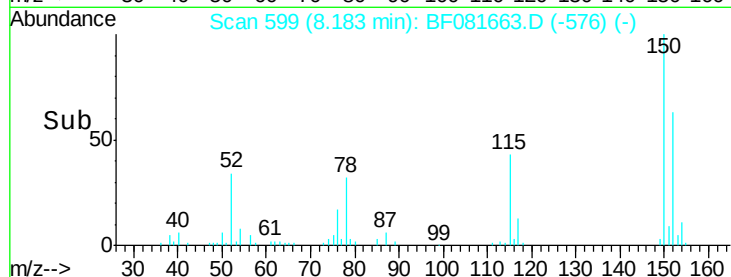
115 68.5 39.0 58.4#



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



#2

1,4-Dioxane

Concen: 6.65 ng

RT: 1.53 min Scan# 17

Delta R.T. -0.03 min

Lab File: BF081663.D

Acq: 17 Sep 2015 3:01

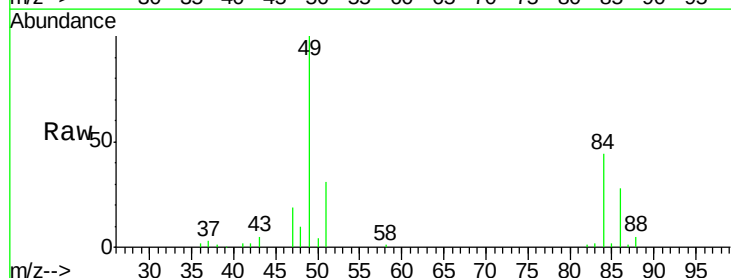
Tgt Ion: 88 Resp: 9489

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

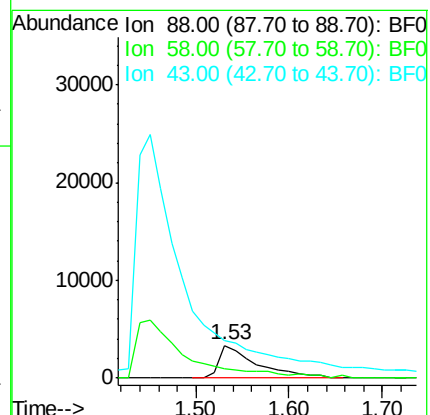
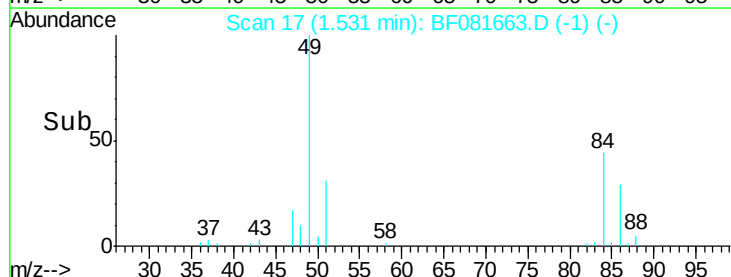
43 0.0 26.6 40.0#

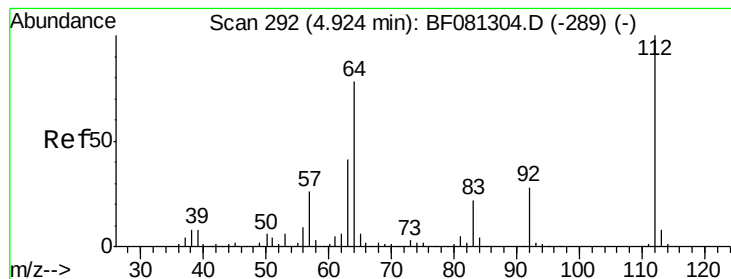


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 139.06 ng

RT: 5.35 min Scan# 351

Delta R.T. -0.00 min

Lab File: BF081663.D

Acq: 17 Sep 2015 3:01

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-SOURCE-6

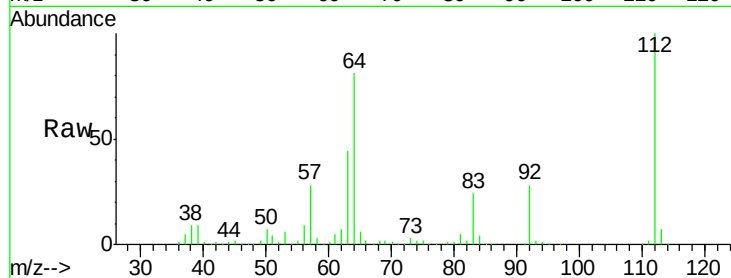
Tgt Ion: 112 Resp: 441696

Ion Ratio Lower Upper

112 100

64 81.0 39.7 59.5#

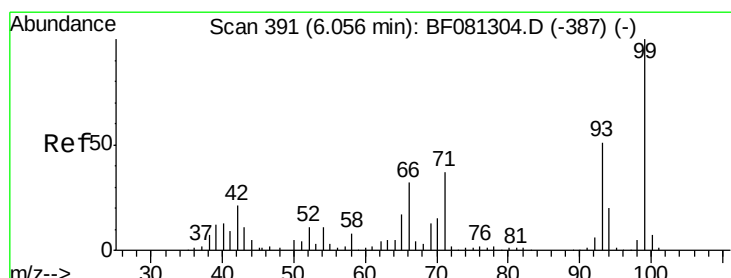
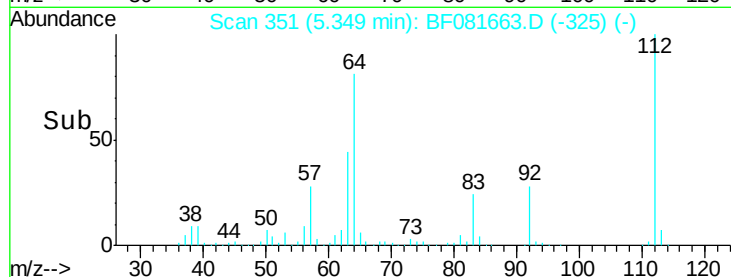
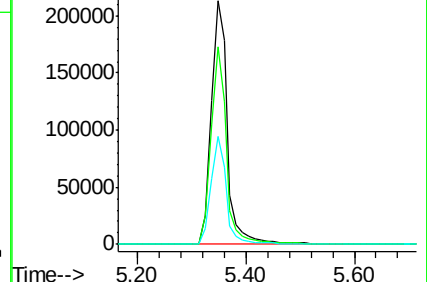
63 44.4 17.4 26.0#



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: 144.35 ng

RT: 7.61 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF081663.D

Acq: 17 Sep 2015 3:01

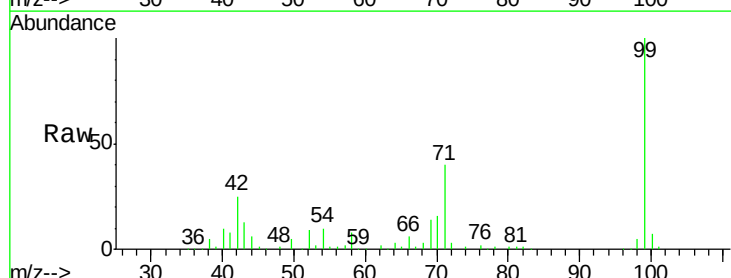
Tgt Ion: 99 Resp: 606914

Ion Ratio Lower Upper

99 100

42 25.4 13.7 20.5#

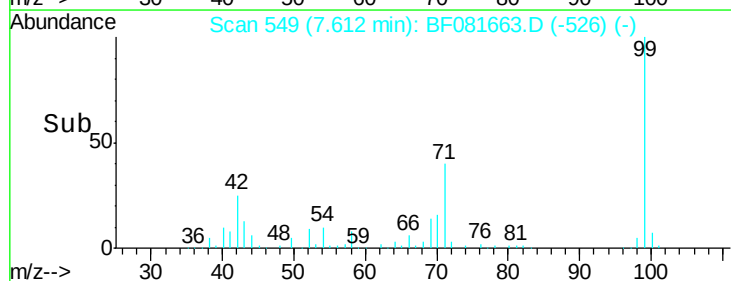
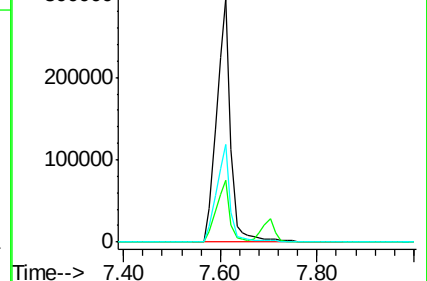
71 39.9 14.2 21.2#

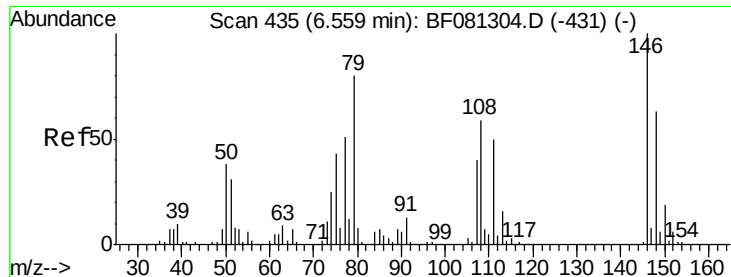


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

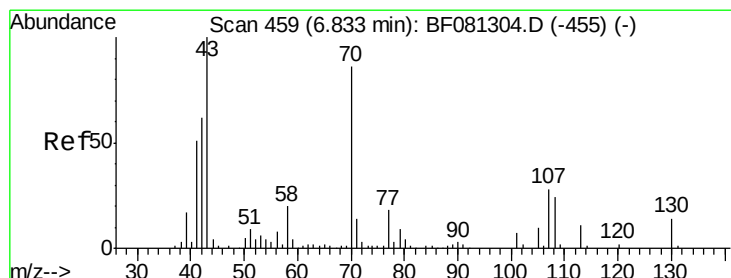
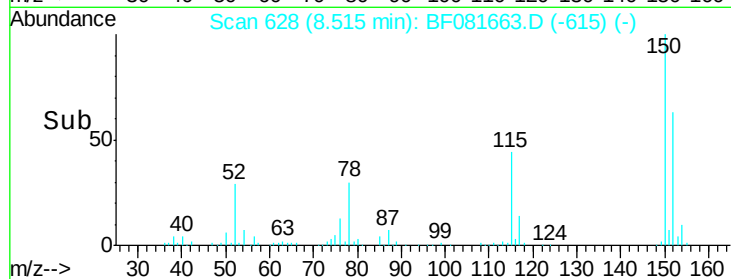
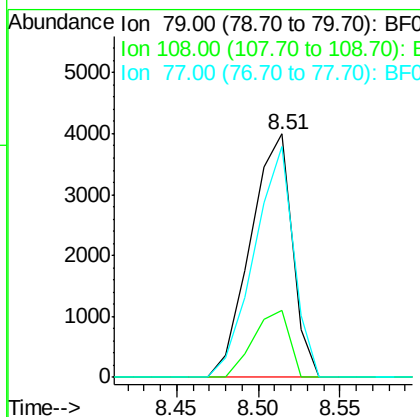
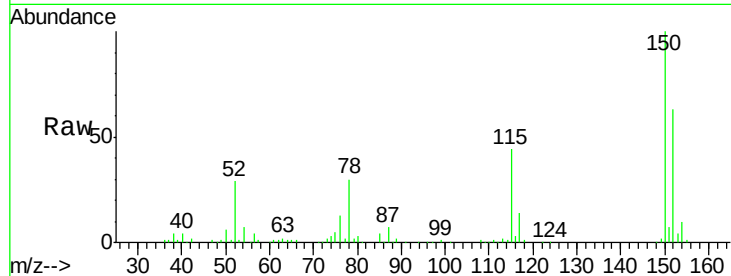




#15  
Benzyl Alcohol  
Concen: 2.06 ng  
RT: 8.51 min Scan# 628  
Delta R.T. -0.15 min  
Lab File: BF081663.D  
Acq: 17 Sep 2015 3:01

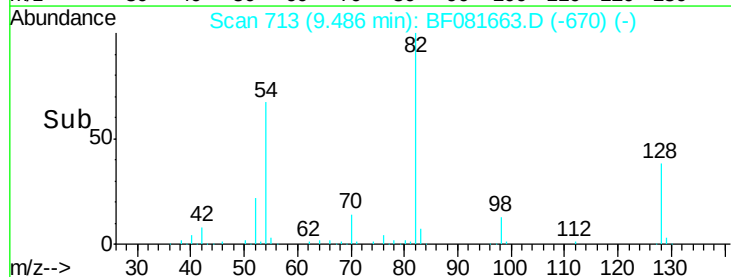
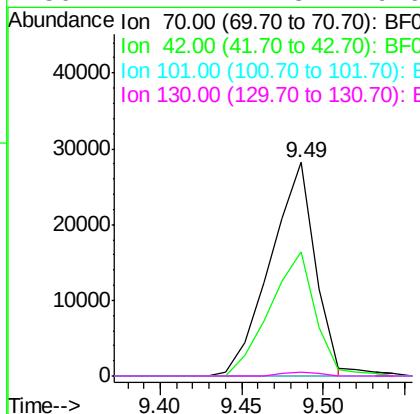
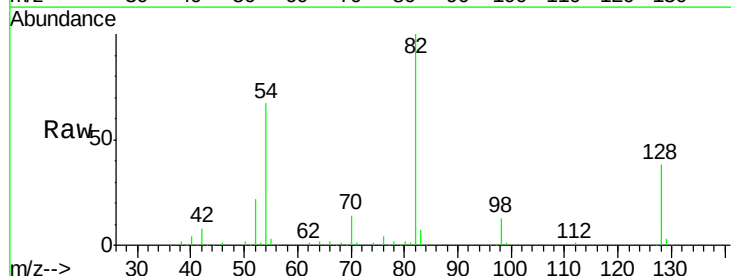
Instrument :  
BNA\_F  
ClientSampleId :  
VITALE-FILL-SOURCE-6

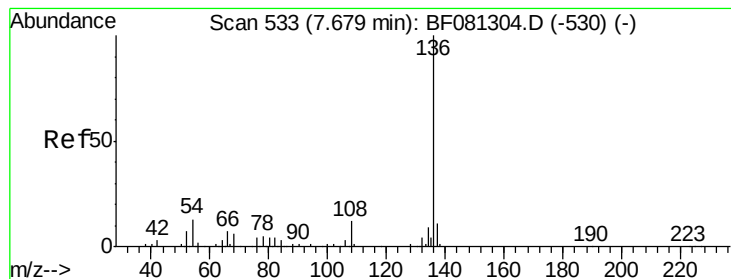
Tgt Ion: 79 Resp: 7098  
Ion Ratio Lower Upper  
79 100  
108 27.3 88.6 132.8#  
77 94.8 47.0 70.4#



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.86 ng  
RT: 9.49 min Scan# 713  
Delta R.T. 0.19 min  
Lab File: BF081663.D  
Acq: 17 Sep 2015 3:01

Tgt Ion: 70 Resp: 53979  
Ion Ratio Lower Upper  
70 100  
42 58.1 63.8 95.6#  
101 0.0 9.2 13.8#  
130 2.1 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.07 min Scan# 852

Delta R.T. -0.05 min

Lab File: BF081663.D

Acq: 17 Sep 2015 3:01

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-SOURCE-6

Tgt Ion: 136 Resp: 200809

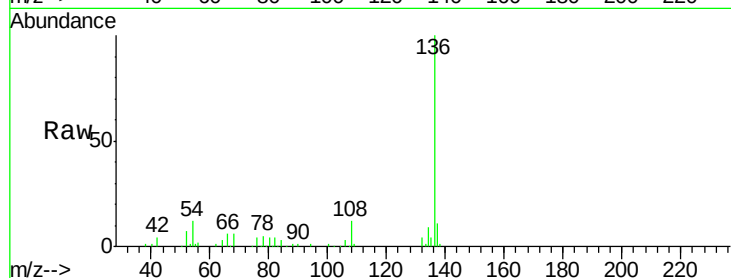
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 12.3 8.2 12.2#

68 5.5 5.8 8.6#

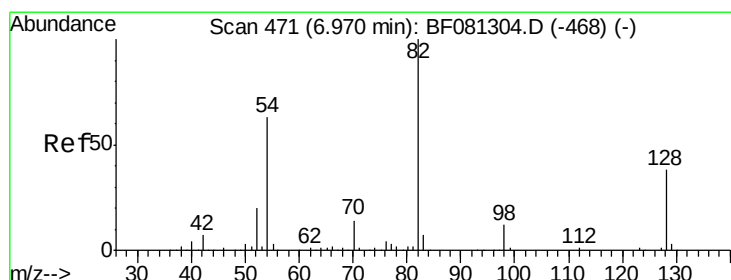
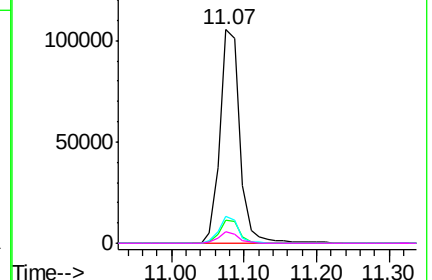
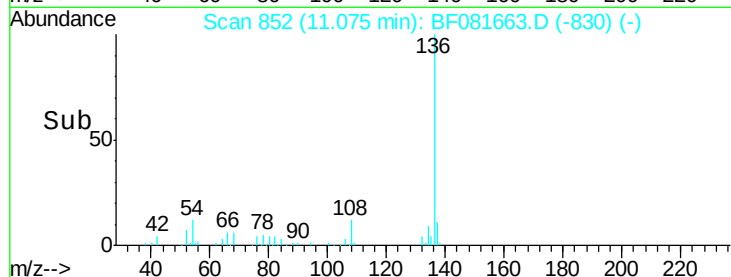


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 97.70 ng

RT: 9.49 min Scan# 713

Delta R.T. -0.05 min

Lab File: BF081663.D

Acq: 17 Sep 2015 3:01

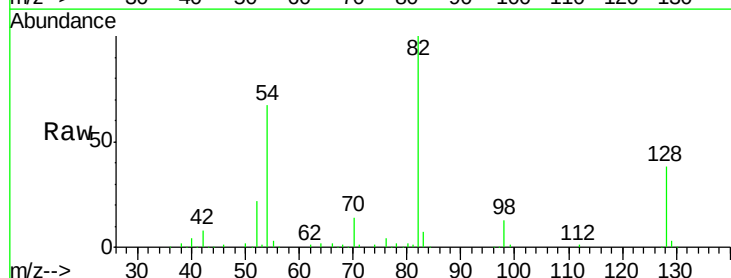
Tgt Ion: 82 Resp: 406655

Ion Ratio Lower Upper

82 100

128 38.2 51.0 76.6#

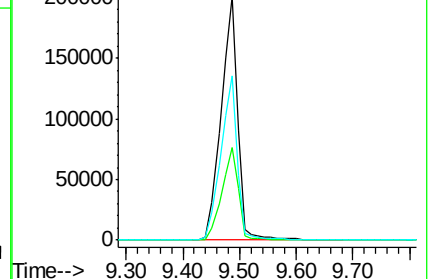
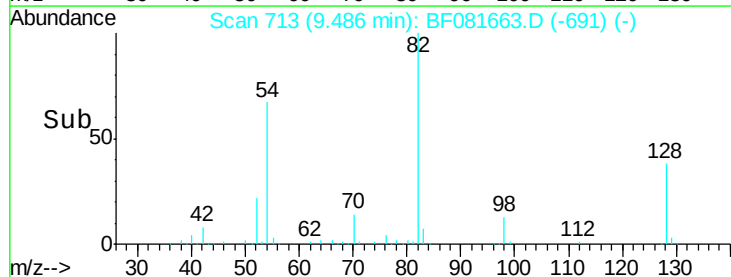
54 67.2 47.5 71.3

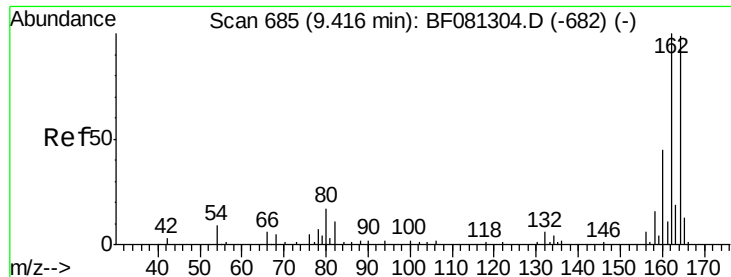


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.21 min Scan# 1214

Delta R.T. -0.05 min

Lab File: BF081663.D

Acq: 17 Sep 2015 3:01

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-SOURCE-6

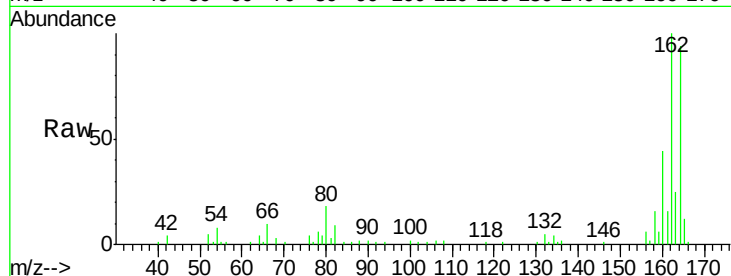
Tgt Ion:164 Resp: 94222

Ion Ratio Lower Upper

164 100

162 106.2 75.2 112.8

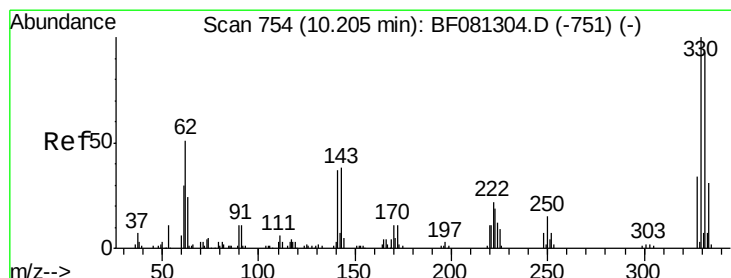
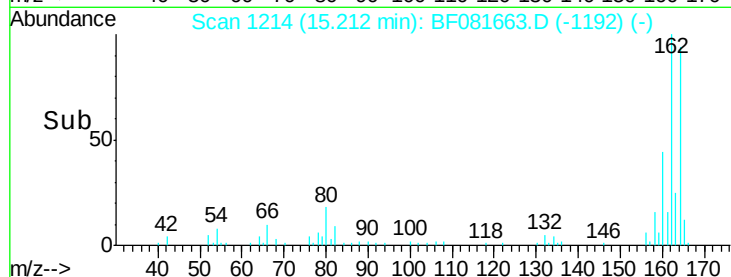
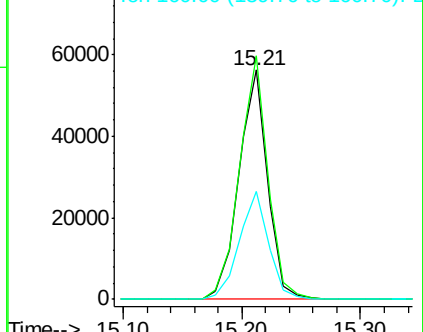
160 46.8 31.5 47.3



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: 149.90 ng

RT: 17.12 min Scan# 1381

Delta R.T. -0.05 min

Lab File: BF081663.D

Acq: 17 Sep 2015 3:01

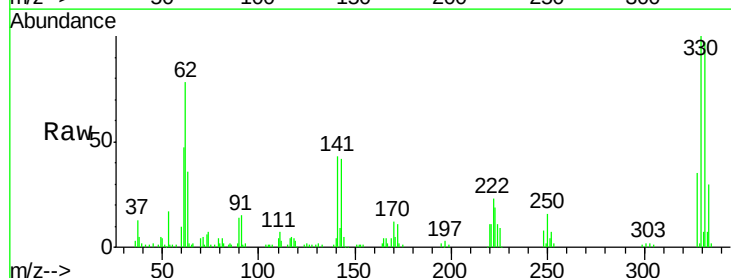
Tgt Ion:330 Resp: 125763

Ion Ratio Lower Upper

330 100

332 97.0 76.6 114.8

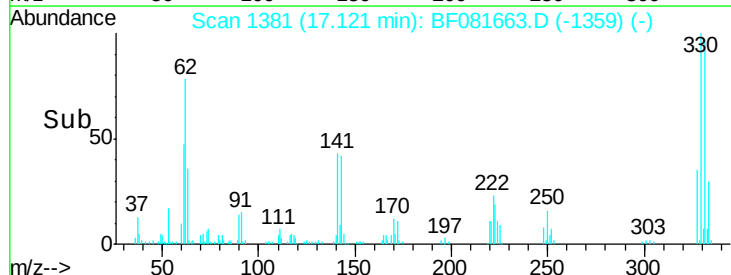
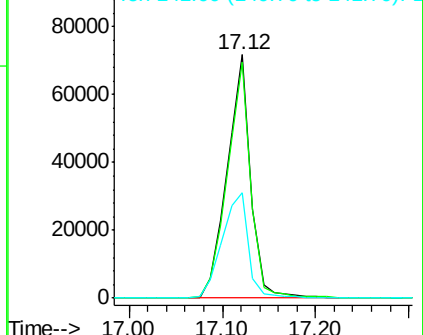
141 48.4 29.7 44.5#

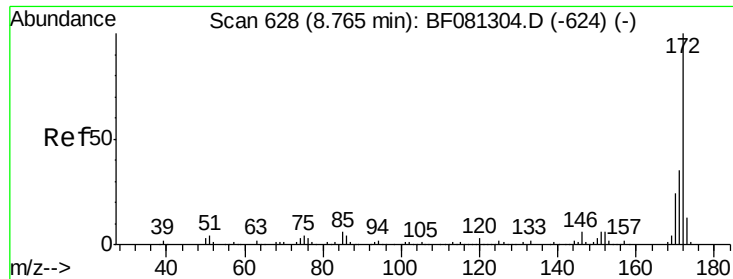


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

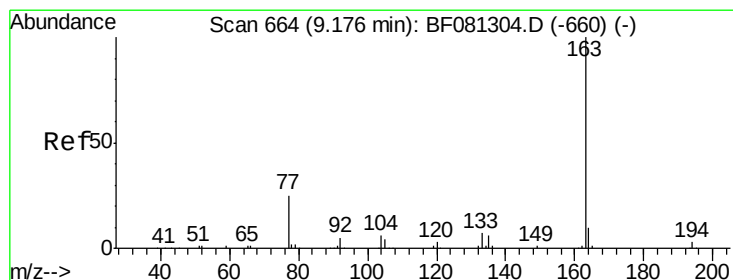
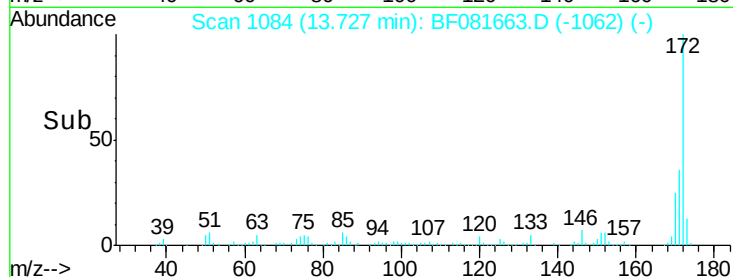
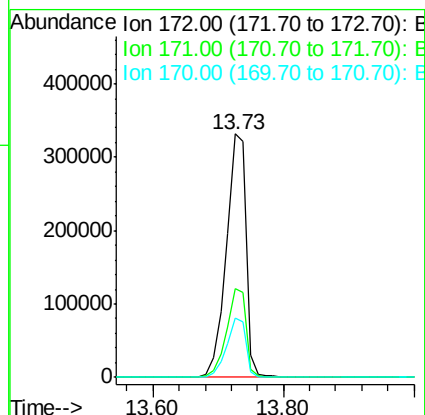
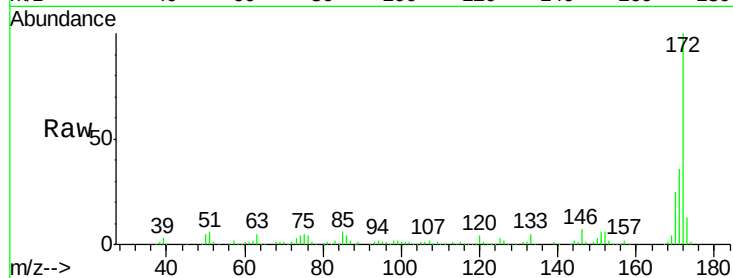




#44  
 2-Fluorobiphenyl  
 Concen: 94.63 ng  
 RT: 13.73 min Scan# 1084  
 Delta R.T. -0.05 min  
 Lab File: BF081663.D  
 Acq: 17 Sep 2015 3:01

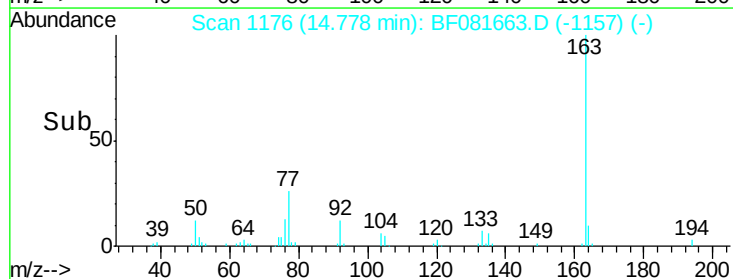
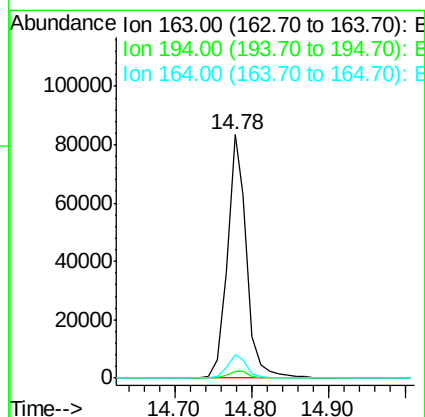
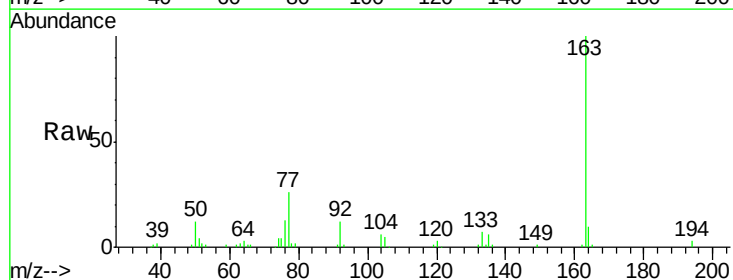
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VITALE-FILL-SOURCE-6

Tgt Ion:172 Resp: 695760  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 26.1 39.1  
 170 24.5 17.4 26.2

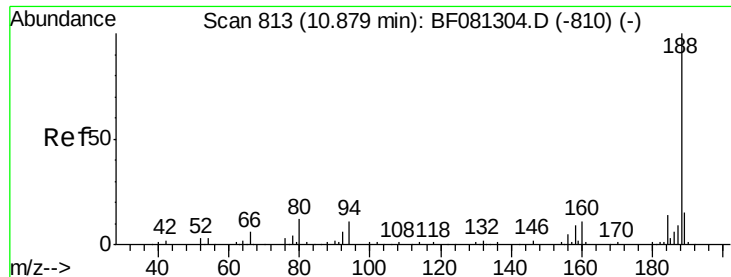


#49  
 Dimethylphthalate  
 Concen: 20.09 ng  
 RT: 14.78 min Scan# 1176  
 Delta R.T. -0.08 min  
 Lab File: BF081663.D  
 Acq: 17 Sep 2015 3:01

Tgt Ion:163 Resp: 147038  
 Ion Ratio Lower Upper  
 163 100  
 194 2.9 4.4 6.6#  
 164 9.8 8.3 12.5



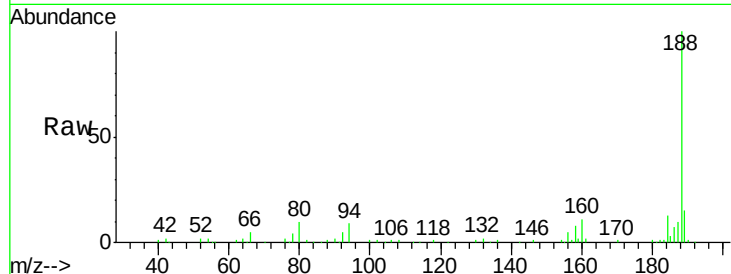




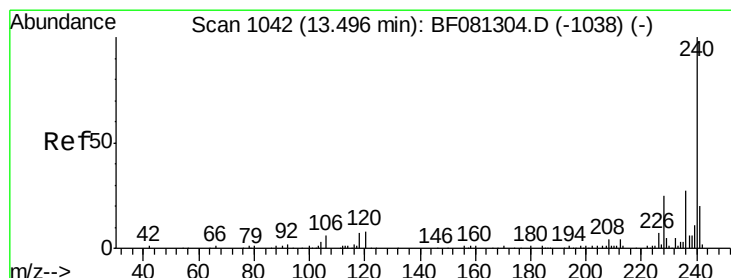
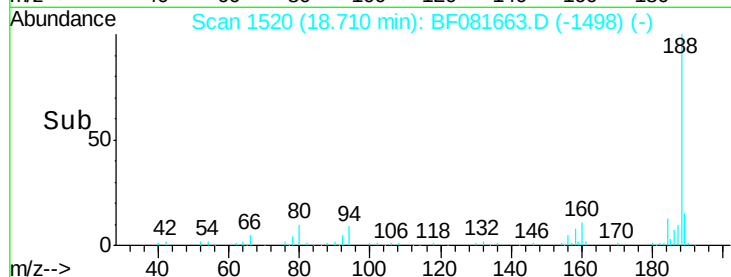
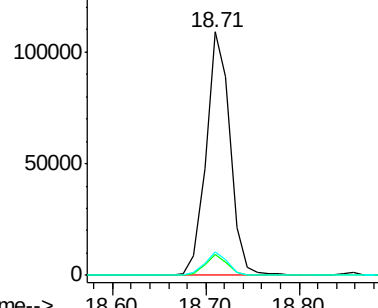
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 18.71 min Scan# 1520  
Delta R.T. -0.05 min  
Lab File: BF081663.D  
Acq: 17 Sep 2015 3:01

Instrument :  
BNA\_F  
ClientSampleId :  
VITALE-FILL-SOURCE-6

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.6   | 11.1  | 16.7# |
| 80      | 9.5   | 11.0  | 16.4# |

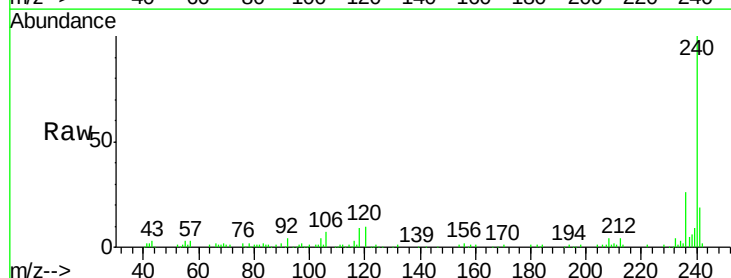


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

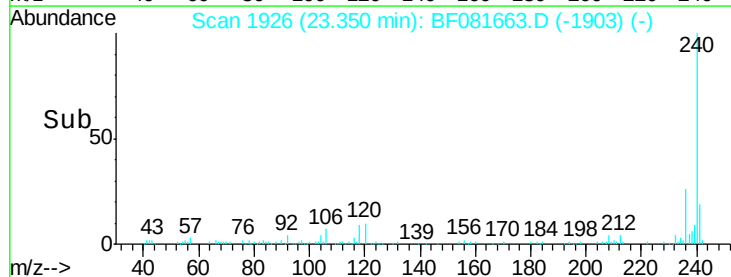
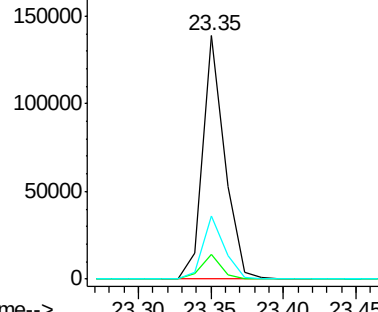


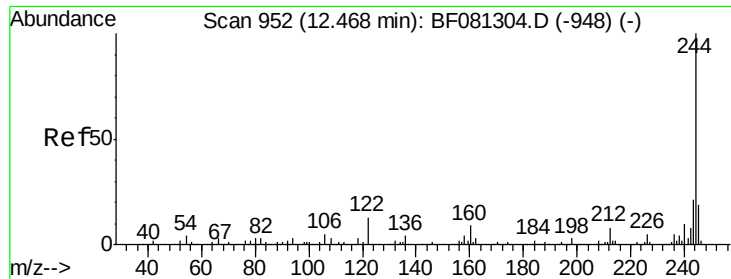
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 23.35 min Scan# 1926  
Delta R.T. -0.03 min  
Lab File: BF081663.D  
Acq: 17 Sep 2015 3:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.2  | 16.2  | 24.2# |
| 236     | 26.2  | 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: 100.39 ng

RT: 22.08 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF081663.D

Acq: 17 Sep 2015 3:01

Instrument :

BNA\_F

ClientSampleId :

VITALE-FILL-SOURCE-6

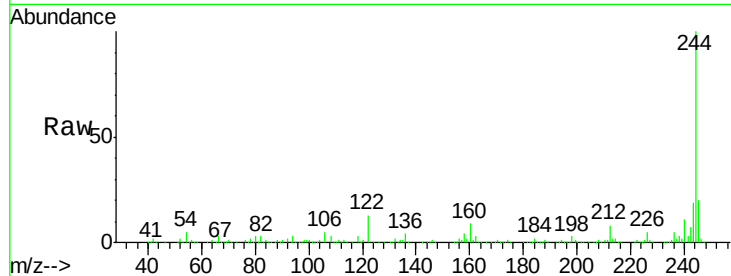
Tgt Ion:244 Resp: 626714

Ion Ratio Lower Upper

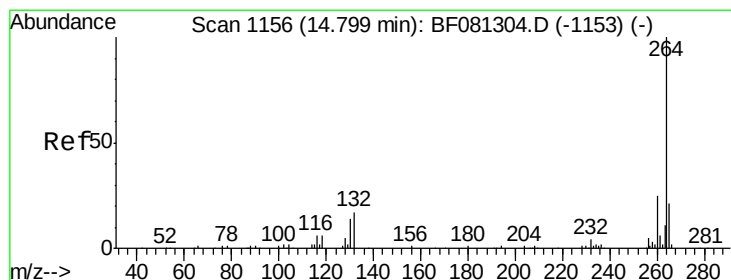
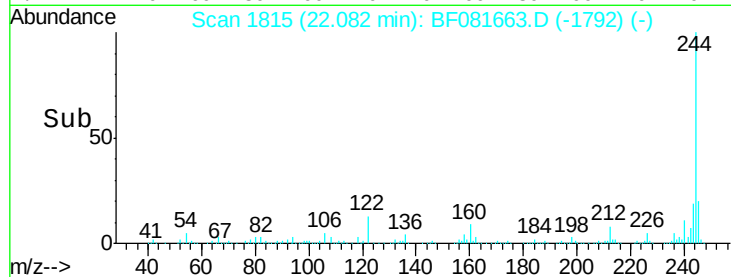
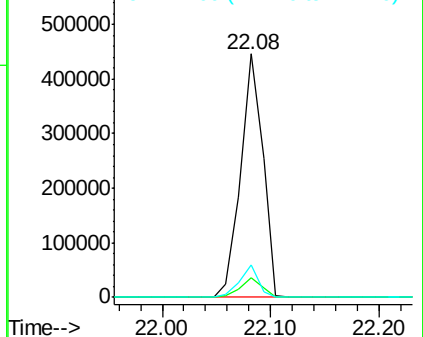
244 100

212 8.1 4.3 6.5#

122 13.2 17.4 26.2#



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: 24.79 min Scan# 2052

Delta R.T. -0.02 min

Lab File: BF081663.D

Acq: 17 Sep 2015 3:01

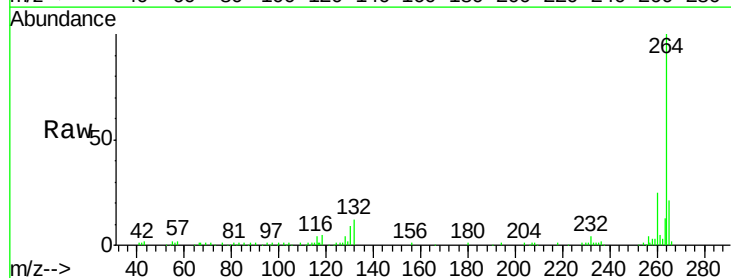
Tgt Ion:264 Resp: 99139

Ion Ratio Lower Upper

264 100

260 24.8 16.7 25.1

265 21.1 17.2 25.8



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

