

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG011017\  
 Data File : BG025466.D  
 Acq On : 11 Jan 2017 00:17  
 Operator : UM/SJ  
 Sample : I1077-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-04

Quant Time: Jan 11 06:24:55 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 10 11:26:22 2017  
 Response via : Initial Calibration

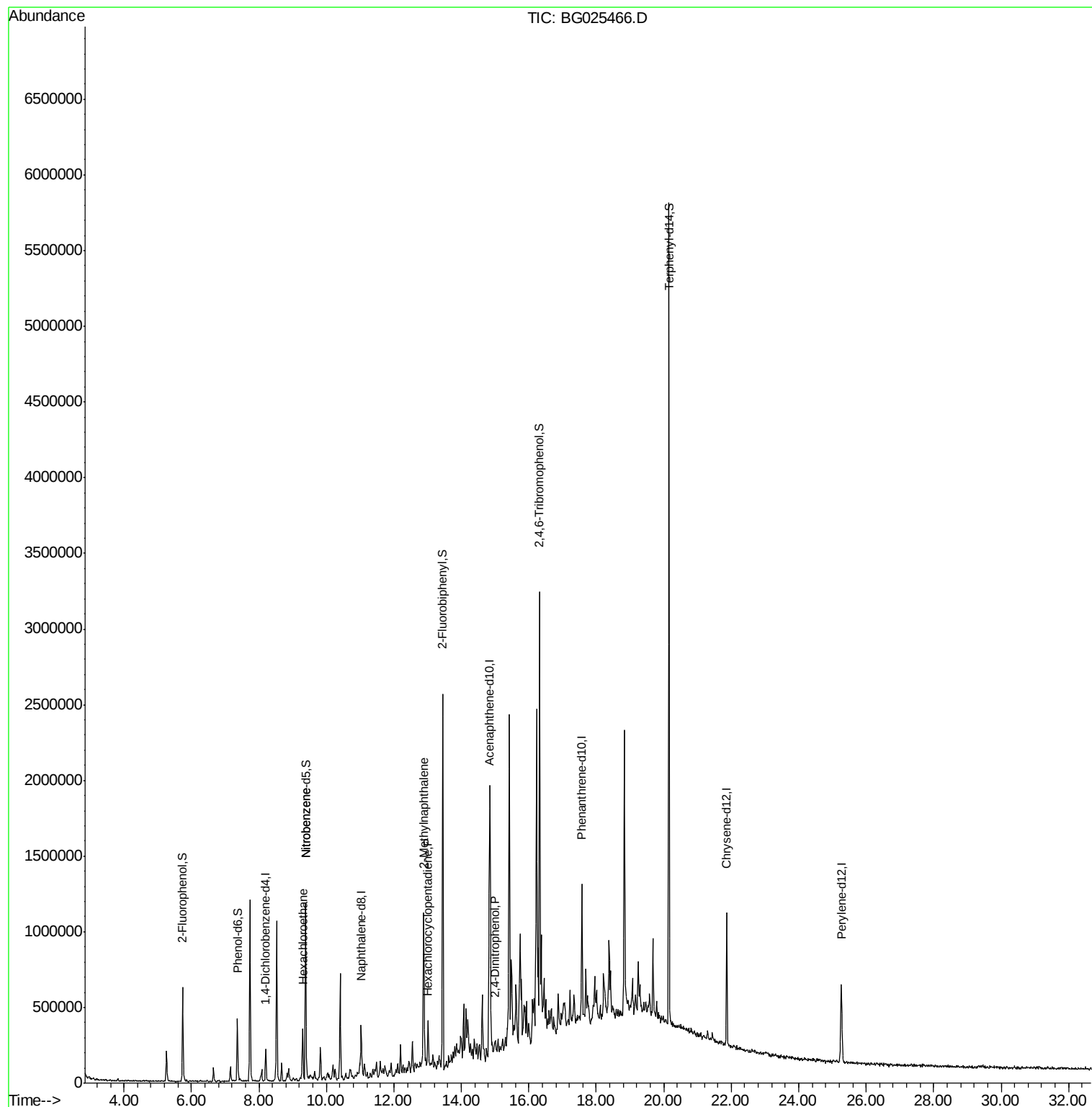
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.20  | 152  | 52814    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.03 | 136  | 232047   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 14.83 | 164  | 611566   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10          | 17.58 | 188  | 432548   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12              | 21.87 | 240  | 587772   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 25.26 | 264  | 638632   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.74  | 112  | 252897   | 87.04  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.36  | 99   | 219360   | 53.61  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.39  | 82   | 584226   | 111.22 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol      | 16.32 | 330  | 508884   | 51.68  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl          | 13.45 | 172  | 1265025  | 33.49  | ng    | 0.00     |
| 78) Terphenyl-d14             | 20.16 | 244  | 2223004  | 100.28 | ng    | 0.00     |
| Target Compounds              |       |      |          |        |       | Qvalue   |
| 18) Hexachloroethane          | 9.30  | 117  | 56969    | 36.09  | ng    | # 1      |
| 24) Nitrobenzene              | 9.39  | 77   | 13984    | 2.43   | ng    | # 16     |
| 37) 2-Methylnaphthalene       | 12.89 | 142  | 415474   | 48.38  | ng    | 93       |
| 40) Hexachlorocyclopentadiene | 12.99 | 237  | 65       | 8.52   | ng    | # 29     |
| 53) 2,4-Dinitrophenol         | 14.99 | 184  | 1201     | 5.25   | ng    | # 1      |

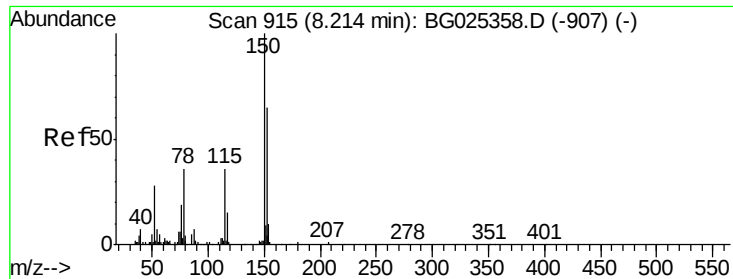
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 10 11:26:22 2017  
Response via : Initial Calibration



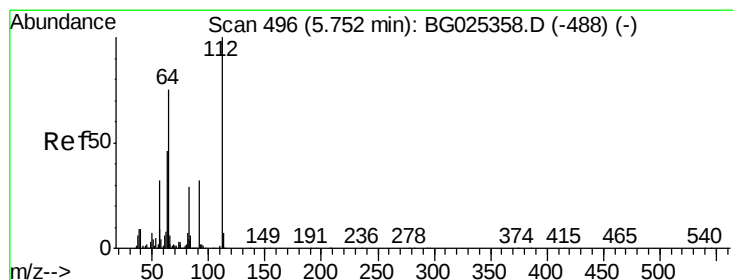
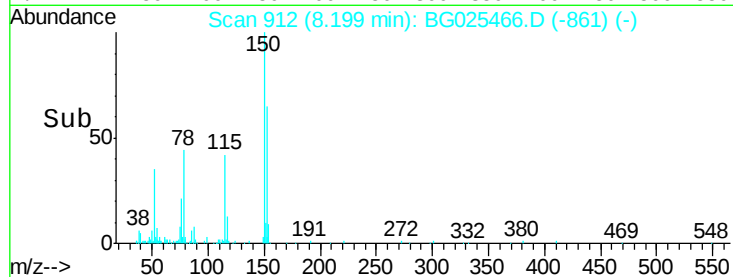
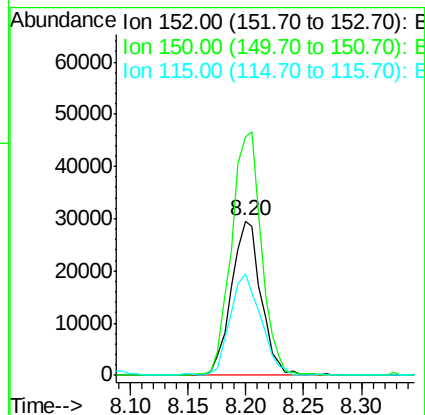
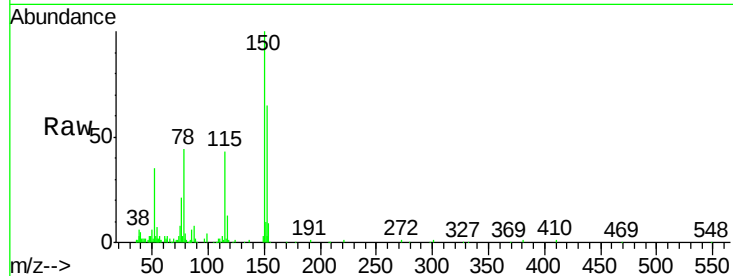


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.20 min Scan# 912  
 Delta R.T. 0.00 min  
 Lab File: BG025466.D  
 Acq: 11 Jan 2017 00:17

Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-04

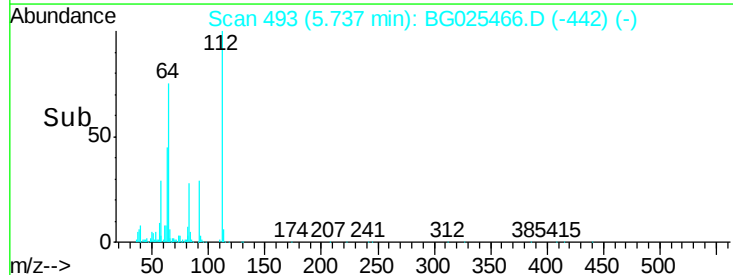
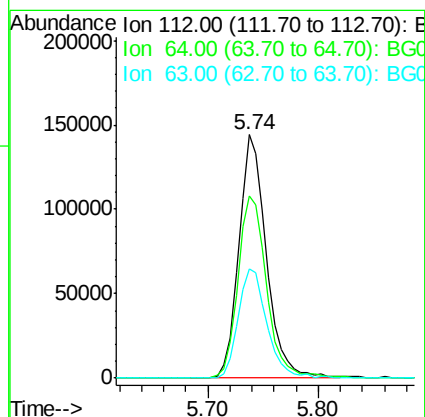
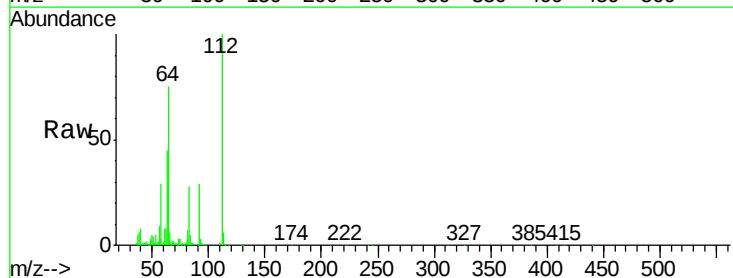
Tgt Ion:152 Resp: 52814  
 Ion Ratio Lower Upper  
 152 100  
 150 154.4 114.0 171.0  
 115 66.0 48.1 72.1

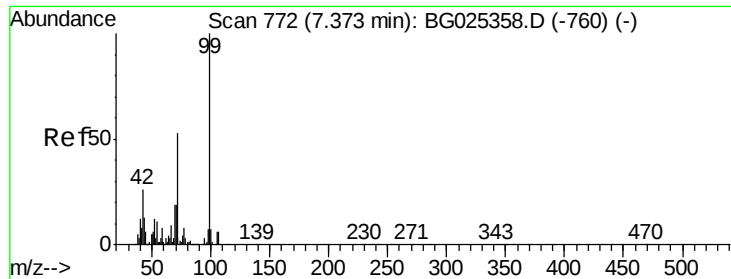


#5

2-Fluorophenol  
 Concen: 87.04 ng  
 RT: 5.74 min Scan# 493  
 Delta R.T. 0.00 min  
 Lab File: BG025466.D  
 Acq: 11 Jan 2017 00:17

Tgt Ion:112 Resp: 252897  
 Ion Ratio Lower Upper  
 112 100  
 64 75.0 61.8 92.6  
 63 44.7 37.2 55.8





#7

Phenol-d6

Concen: 53.61 ng

RT: 7.36 min Scan# 769

Delta R.T. 0.00 min

Lab File: BG025466.D

Acq: 11 Jan 2017 00:17

Instrument :

BNA\_G

ClientSampled :

W-04

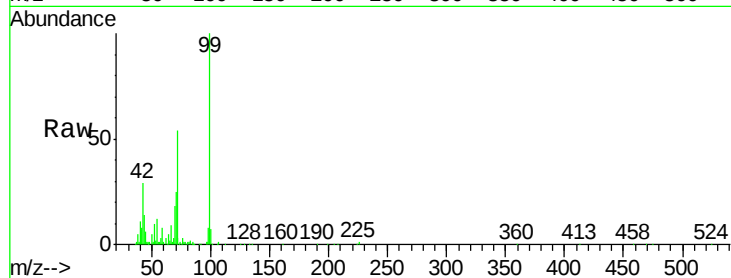
Tgt Ion: 99 Resp: 219360

Ion Ratio Lower Upper

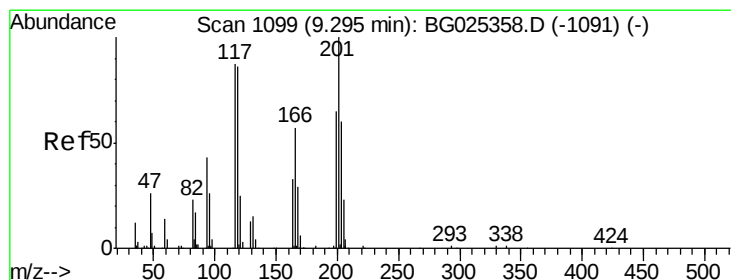
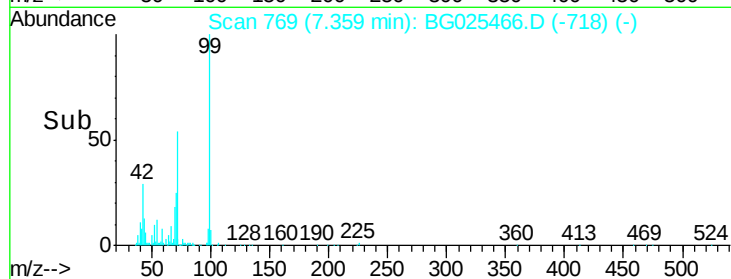
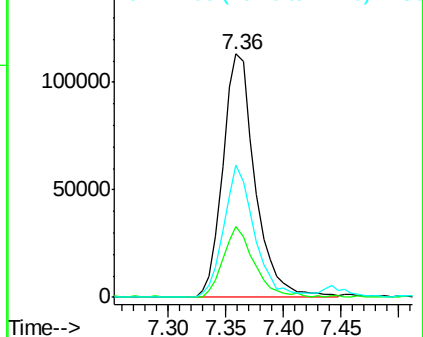
99 100

42 29.3 20.5 30.7

71 54.2 37.6 56.4



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#18

Hexachloroethane

Concen: 36.09 ng

RT: 9.30 min Scan# 1100

Delta R.T. 0.02 min

Lab File: BG025466.D

Acq: 11 Jan 2017 00:17

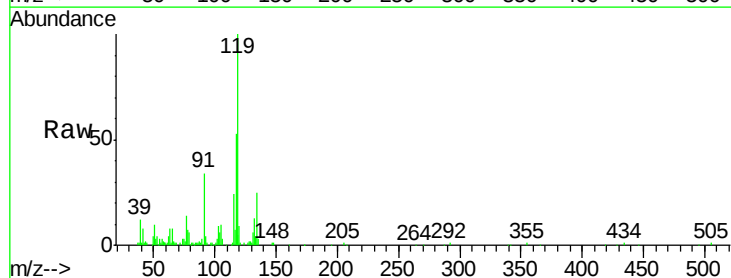
Tgt Ion: 117 Resp: 56969

Ion Ratio Lower Upper

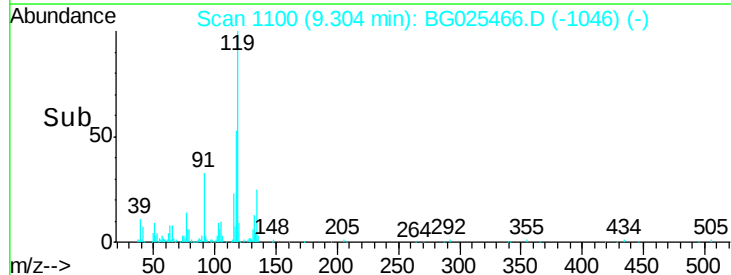
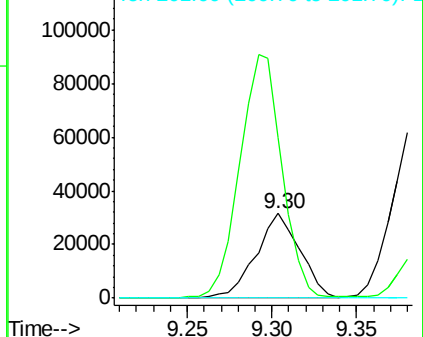
117 100

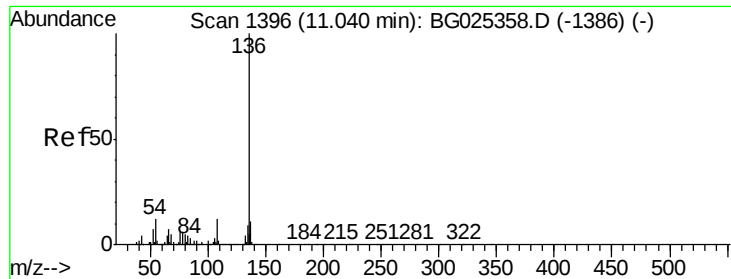
119 188.8 69.8 104.6#

201 0.0 95.4 143.0#



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

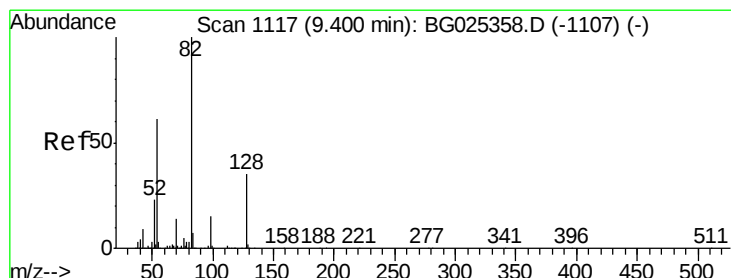
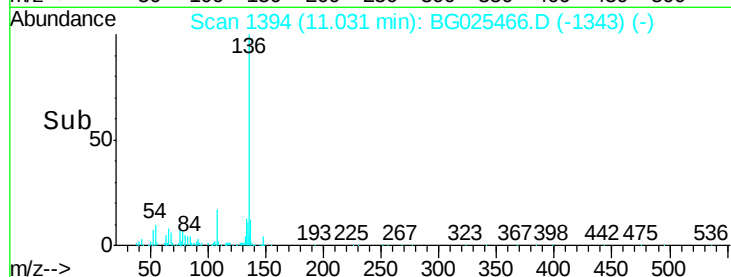
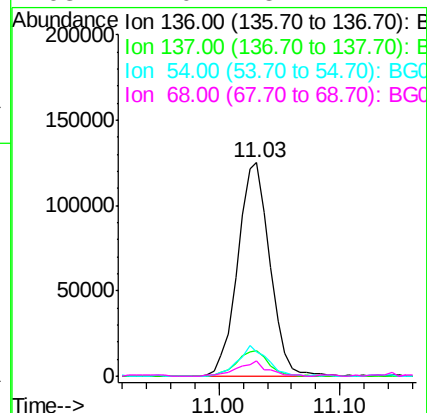
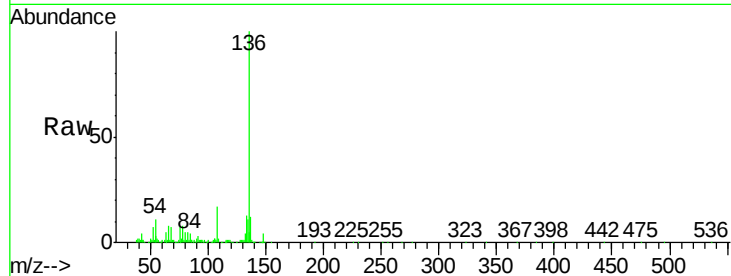




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.03 min Scan# 1394  
Delta R.T. 0.00 min  
Lab File: BG025466.D  
Acq: 11 Jan 2017 00:17

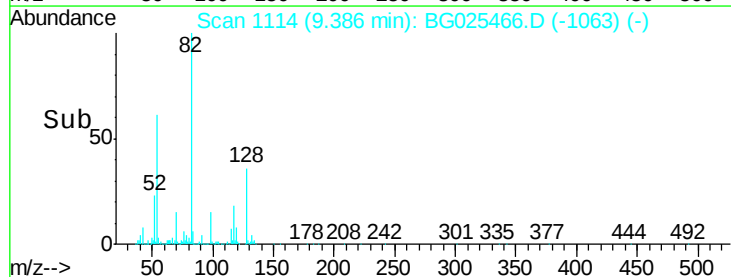
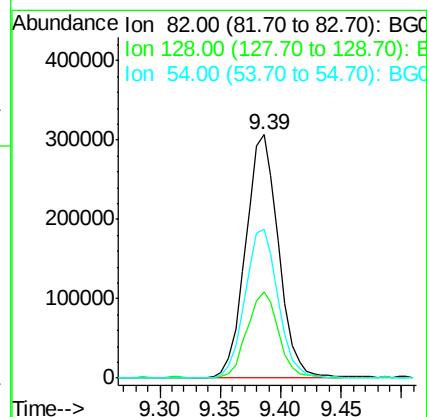
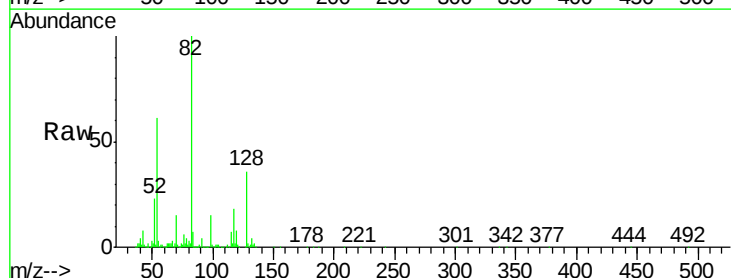
Instrument :  
BNA\_G  
ClientSampleId :  
W-04

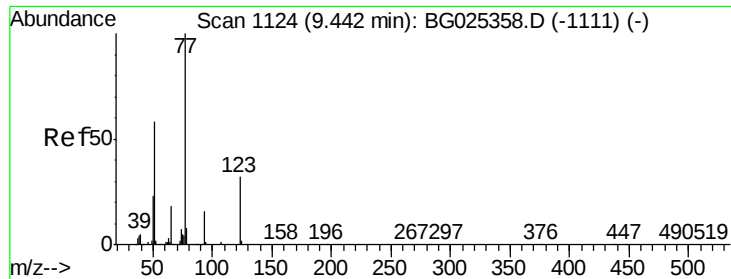
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 232047 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 12.0  | 8.9   | 13.3   |
| 54       | 11.1  | 9.3   | 13.9   |
| 68       | 7.0   | 5.1   | 7.7    |



#23  
Nitrobenzene-d5  
Concen: 111.22 ng  
RT: 9.39 min Scan# 1114  
Delta R.T. 0.00 min  
Lab File: BG025466.D  
Acq: 11 Jan 2017 00:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 584226 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 35.6  | 26.4  | 39.6   |
| 54       | 61.2  | 49.4  | 74.2   |





#24

Nitrobenzene

Concen: 2.43 ng

RT: 9.39 min Scan# 1114

Delta R.T. -0.04 min

Lab File: BG025466.D

Acq: 11 Jan 2017 00:17

Instrument :

BNA\_G

ClientSampleId :

W-04

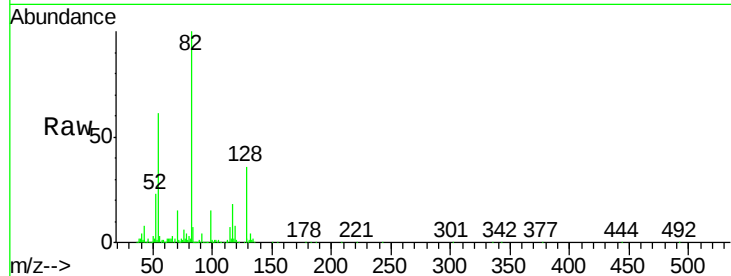
Tgt Ion: 77 Resp: 13984

Ion Ratio Lower Upper

77 100

123 0.0 26.1 39.1#

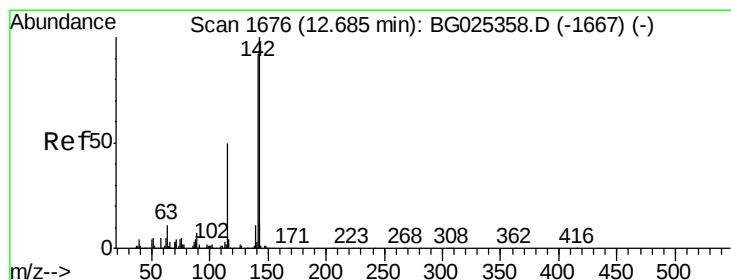
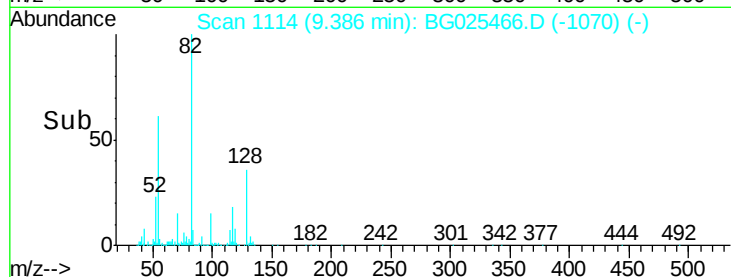
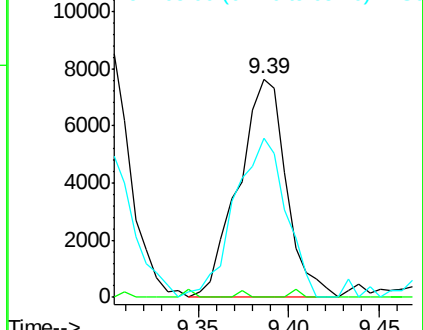
65 73.2 12.4 18.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#37

2-Methylnaphthalene

Concen: 48.38 ng

RT: 12.89 min Scan# 1710

Delta R.T. 0.22 min

Lab File: BG025466.D

Acq: 11 Jan 2017 00:17

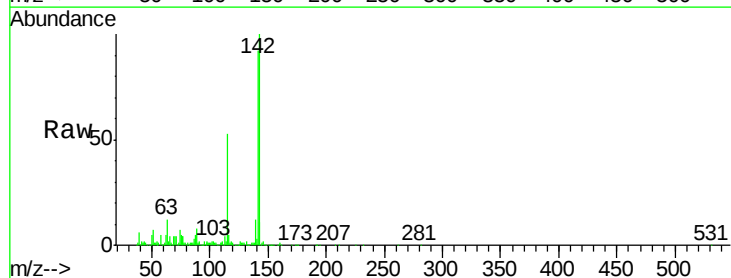
Tgt Ion: 142 Resp: 415474

Ion Ratio Lower Upper

142 100

141 91.5 70.4 105.6

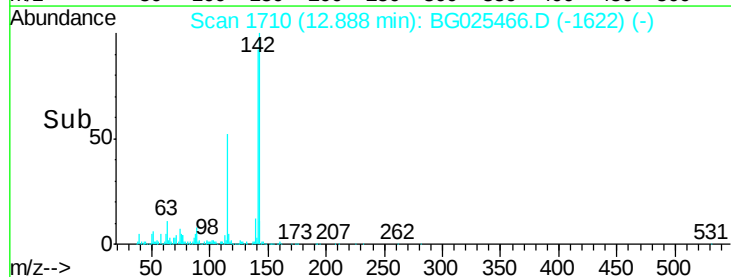
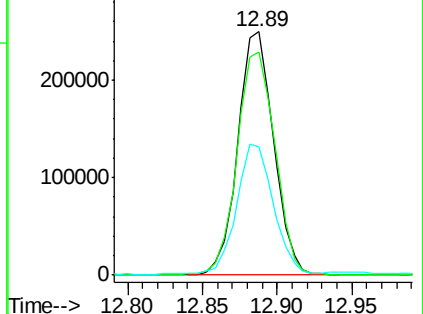
115 52.6 35.5 53.3

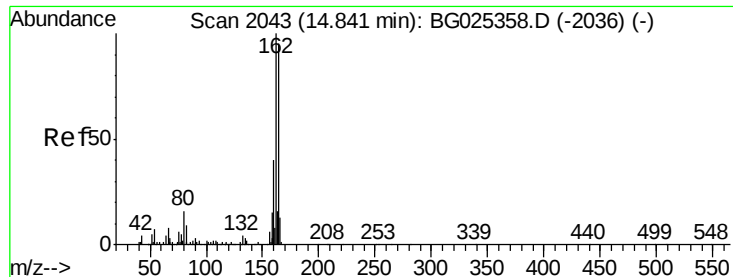


Abundance Ion 142.00 (141.70 to 142.70): BGC

Ion 141.00 (140.70 to 141.70): BGC

Ion 115.00 (114.70 to 115.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.83 min Scan# 2041

Delta R.T. 0.01 min

Lab File: BG025466.D

Acq: 11 Jan 2017 00:17

Instrument :

BNA\_G

ClientSampleId :

W-04

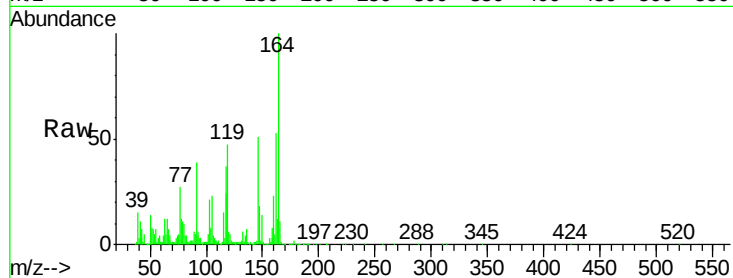
Tgt Ion:164 Resp: 611566

Ion Ratio Lower Upper

164 100

162 52.8 85.1 127.7#

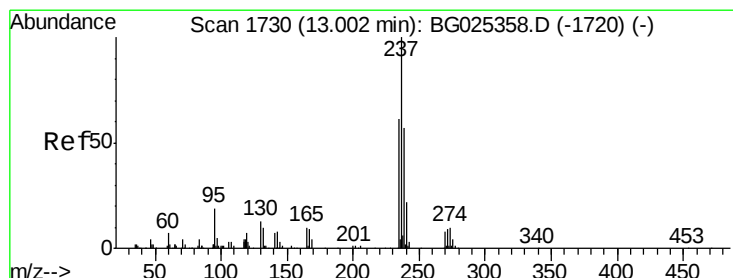
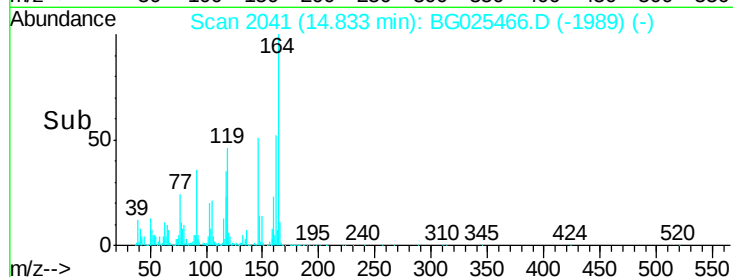
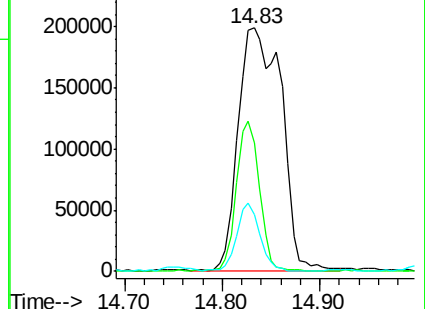
160 23.3 34.7 52.1#



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



#40

Hexachlorocyclopentadiene

Concen: 8.52 ng

RT: 12.99 min Scan# 1728

Delta R.T. 0.00 min

Lab File: BG025466.D

Acq: 11 Jan 2017 00:17

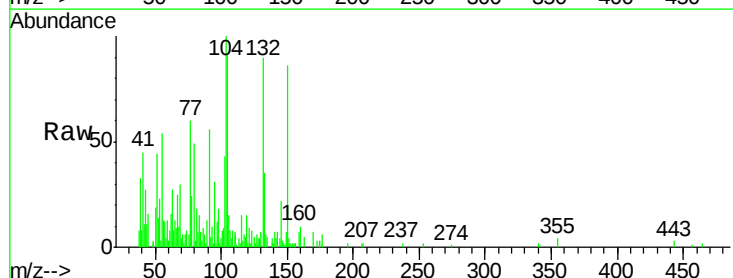
Tgt Ion:237 Resp: 65

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

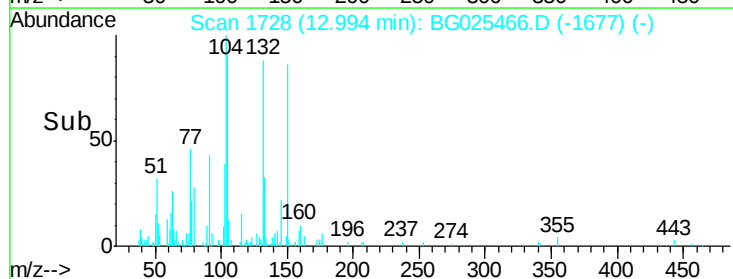
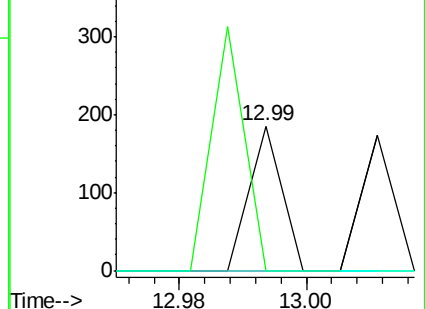
272 0.0 0.0 32.0

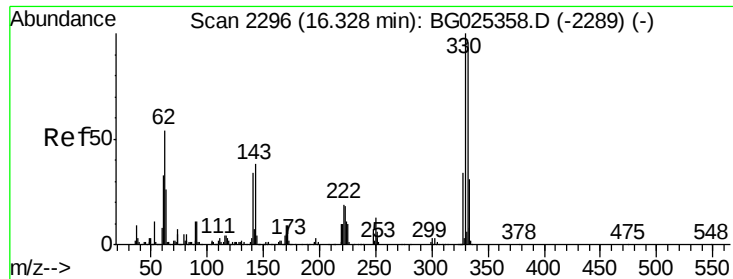


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

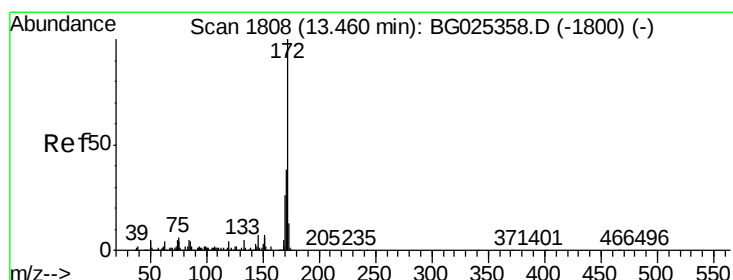
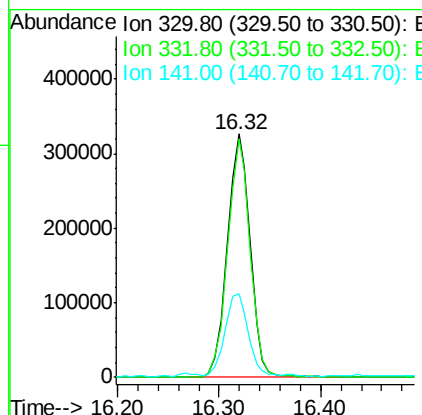
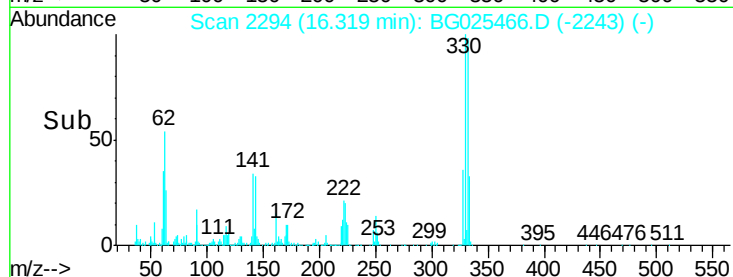
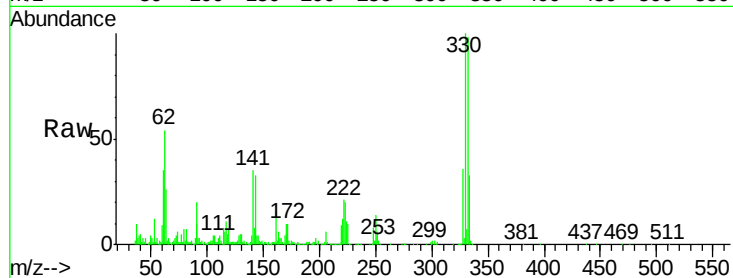




#41  
 2,4,6-Tribromophenol  
 Concen: 51.68 ng  
 RT: 16.32 min Scan# 2294  
 Delta R.T. 0.00 min  
 Lab File: BG025466.D  
 Acq: 11 Jan 2017 00:17

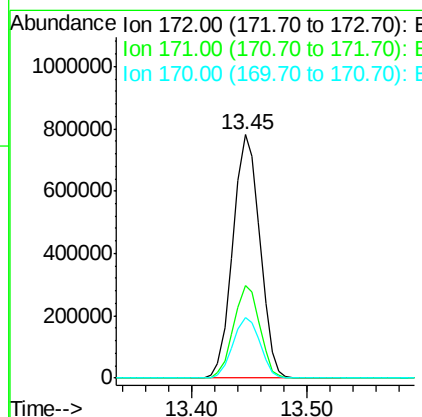
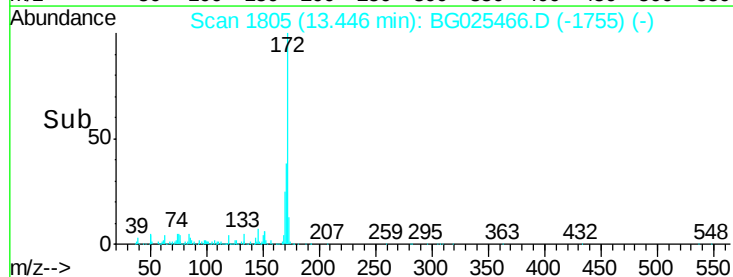
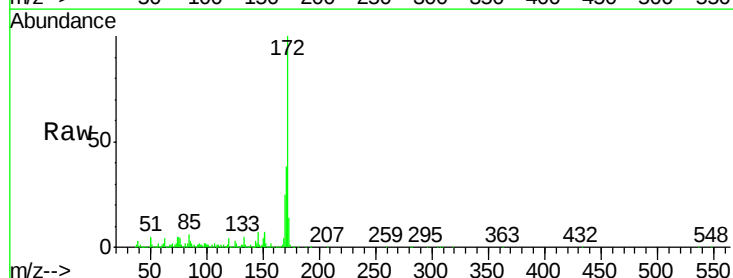
Instrument :  
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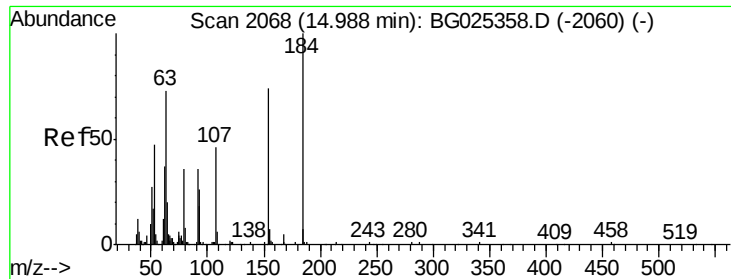
Tgt Ion:330 Resp: 508884  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 77.3 115.9  
 141 33.7 32.1 48.1



#44  
 2-Fluorobiphenyl  
 Concen: 33.49 ng  
 RT: 13.45 min Scan# 1805  
 Delta R.T. -0.00 min  
 Lab File: BG025466.D  
 Acq: 11 Jan 2017 00:17

Tgt Ion:172 Resp: 1265025  
 Ion Ratio Lower Upper  
 172 100  
 171 38.1 32.2 48.2  
 170 24.8 21.8 32.6

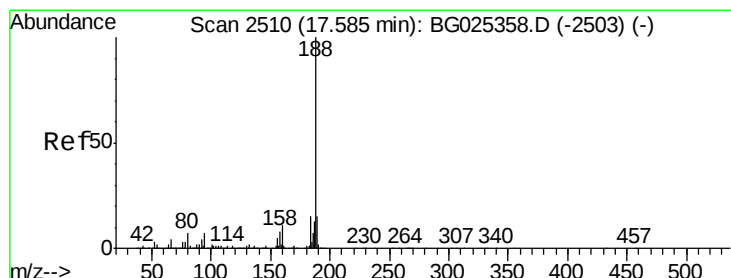
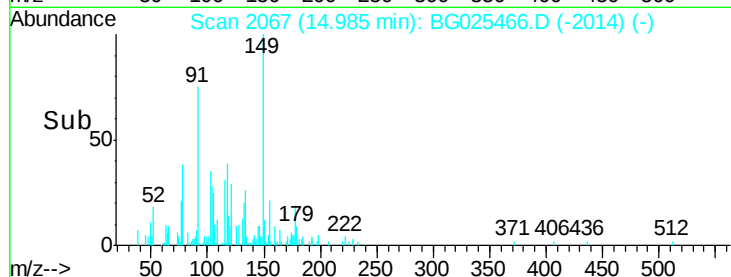
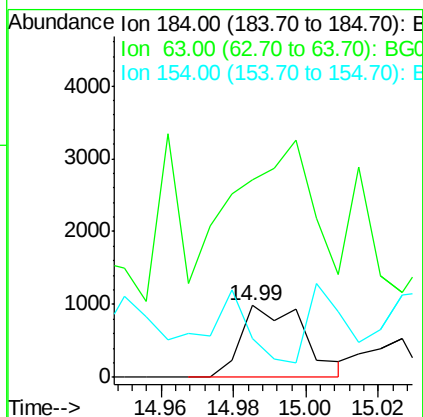
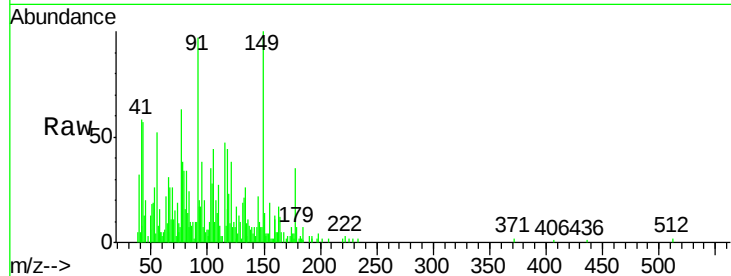




#53  
2,4-Dinitrophenol  
Concen: 5.25 ng  
RT: 14.99 min Scan# 2067  
Delta R.T. 0.01 min  
Lab File: BG025466.D  
Acq: 11 Jan 2017 00:17

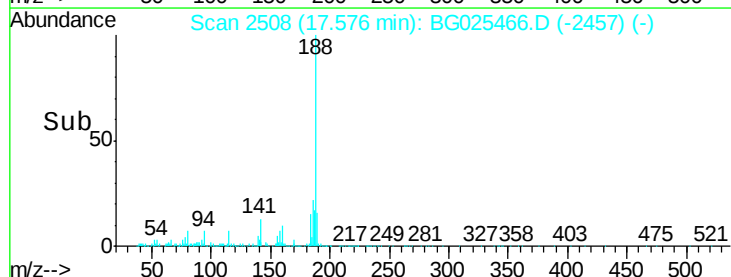
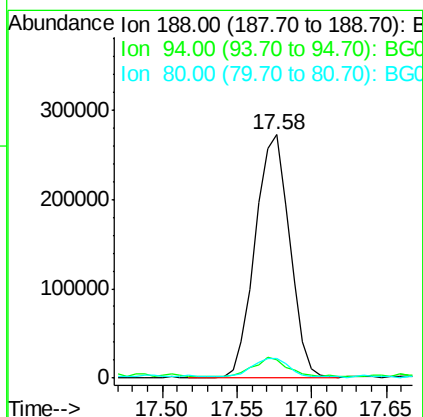
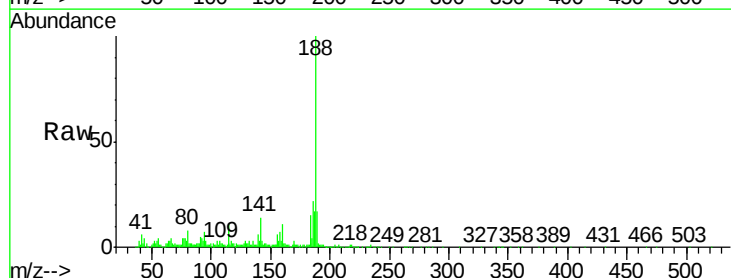
Instrument :  
BNA\_G  
ClientSampleId :  
W-04

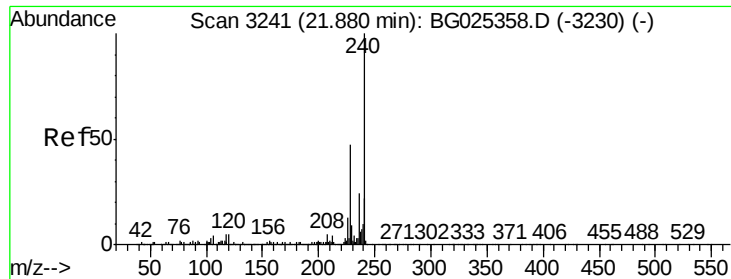
Tgt Ion:184 Resp: 1201  
Ion Ratio Lower Upper  
184 100  
63 275.8 52.7 79.1#  
154 54.2 57.3 85.9#



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.58 min Scan# 2508  
Delta R.T. 0.00 min  
Lab File: BG025466.D  
Acq: 11 Jan 2017 00:17

Tgt Ion:188 Resp: 432548  
Ion Ratio Lower Upper  
188 100  
94 7.5 5.8 8.8  
80 7.9 7.5 11.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.87 min Scan# 3238

Delta R.T. 0.00 min

Lab File: BG025466.D

Acq: 11 Jan 2017 00:17

Instrument :

BNA\_G

ClientSampleId :

W-04

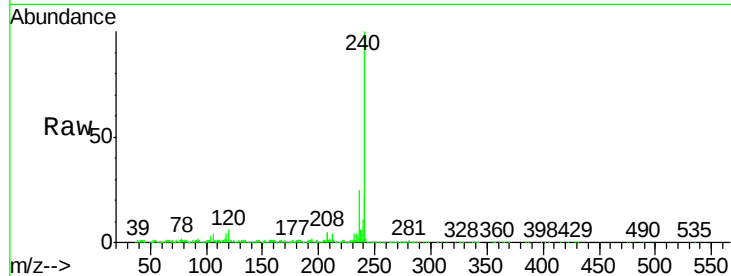
Tgt Ion:240 Resp: 587772

Ion Ratio Lower Upper

240 100

120 5.5 5.7 8.5#

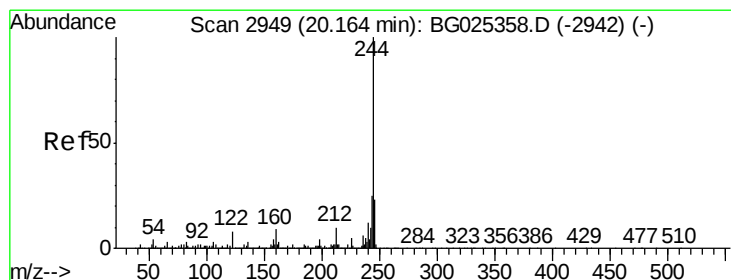
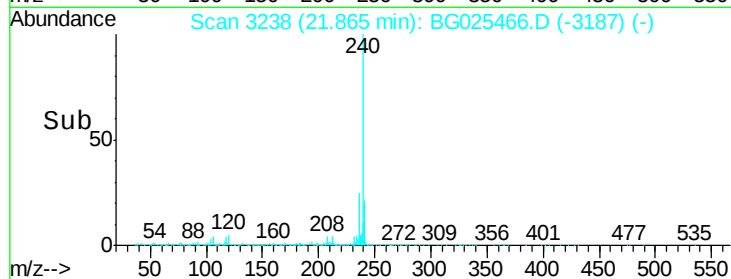
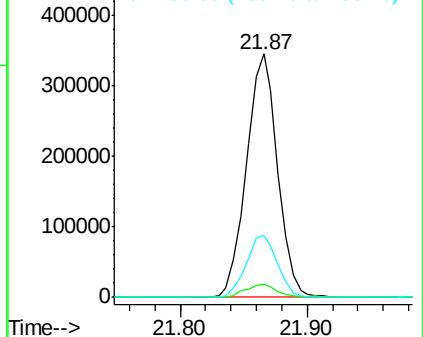
236 25.2 22.2 33.4



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: 100.28 ng

RT: 20.16 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BG025466.D

Acq: 11 Jan 2017 00:17

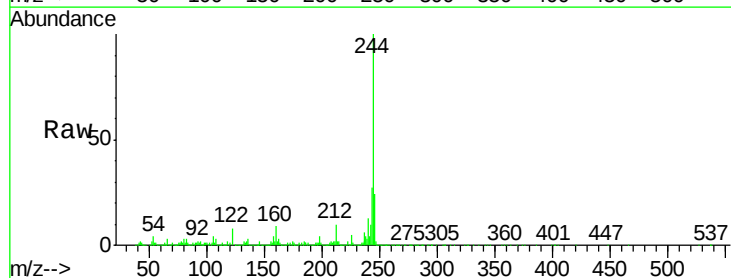
Tgt Ion:244 Resp: 2223004

Ion Ratio Lower Upper

244 100

212 10.3 10.0 15.0

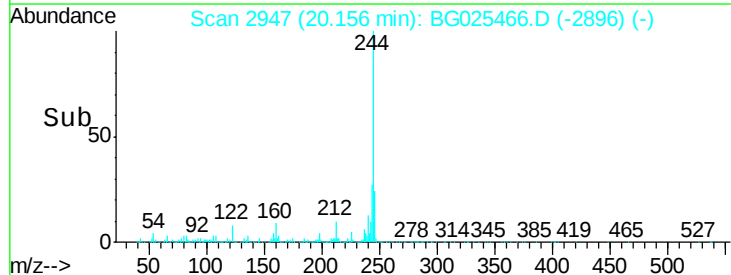
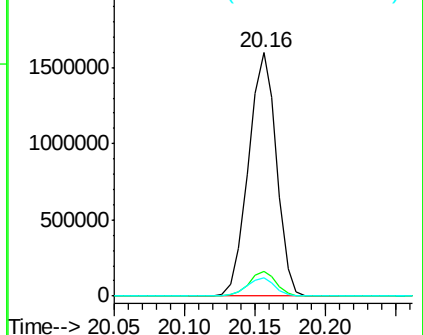
122 7.7 8.6 12.8#

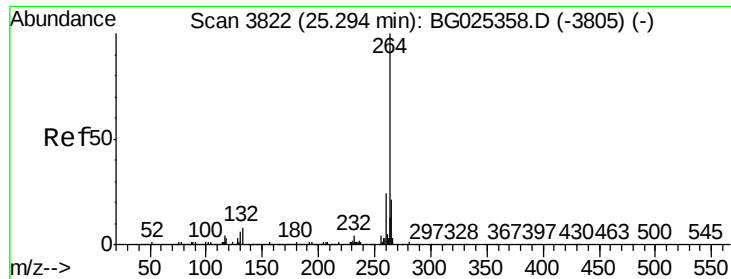


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.26 min Scan# 3815

Delta R.T. -0.01 min

Lab File: BG025466.D

Acq: 11 Jan 2017 00:17

Instrument :

BNA\_G

ClientSampleId :

W-04

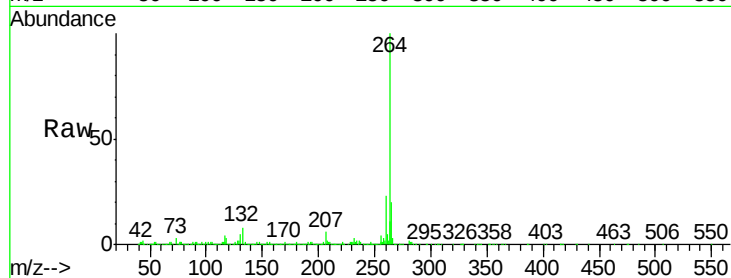
Tgt Ion: 264 Resp: 638632

Ion Ratio Lower Upper

264 100

260 22.6 21.8 32.8

265 20.2 18.2 27.4



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

