

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011017\  
 Data File : BG025454.D  
 Acq On : 10 Jan 2017 12:34  
 Operator : UM/SJ  
 Sample : I1055-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 10 13:13:08 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

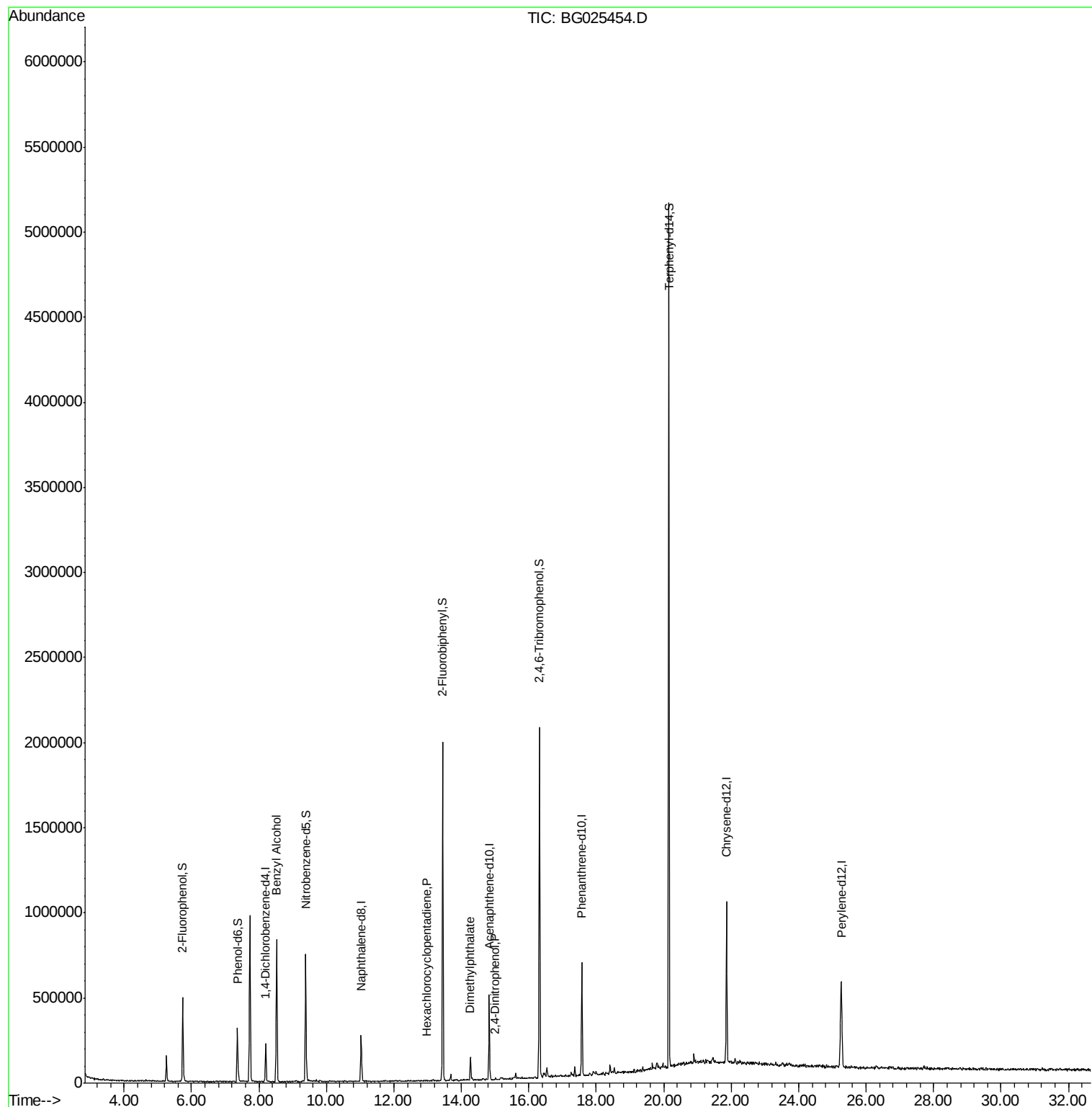
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.20  | 152  | 51226    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.03 | 136  | 215642   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 14.82 | 164  | 186105   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10          | 17.57 | 188  | 415508   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12              | 21.86 | 240  | 622262   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 25.27 | 264  | 658233   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.74  | 112  | 208694   | 74.05  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.36  | 99   | 180371   | 45.44  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.38  | 82   | 487955   | 99.96  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol      | 16.32 | 330  | 419588   | 140.04 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl          | 13.45 | 172  | 1022931  | 88.99  | ng    | 0.00     |
| 78) Terphenyl-d14             | 20.15 | 244  | 2008426  | 85.58  | ng    | 0.00     |
| Target Compounds              |       |      |          |        |       |          |
| 15) Benzyl Alcohol            | 8.52  | 79   | 9660     | 2.55   | ng    | # 52     |
| 40) Hexachlorocyclopentadiene | 12.99 | 237  | 56       | 8.53   | ng    | # 29     |
| 49) Dimethylphthalate         | 14.27 | 163  | 90589    | 6.68   | ng    | 97       |
| 53) 2,4-Dinitrophenol         | 15.00 | 184  | 54       | 5.10   | ng    | # 53     |

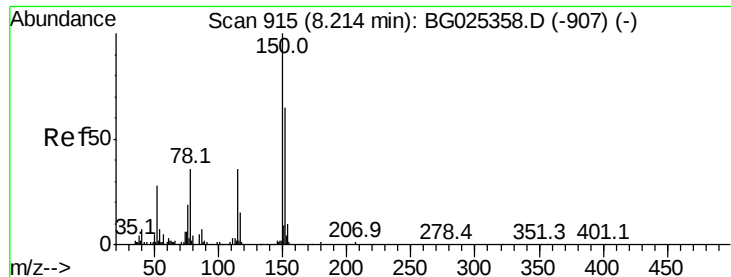
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M  
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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: BG025454.D

Acq: 10 Jan 2017 12:34

Instrument :

BNA\_G

ClientSampleId :

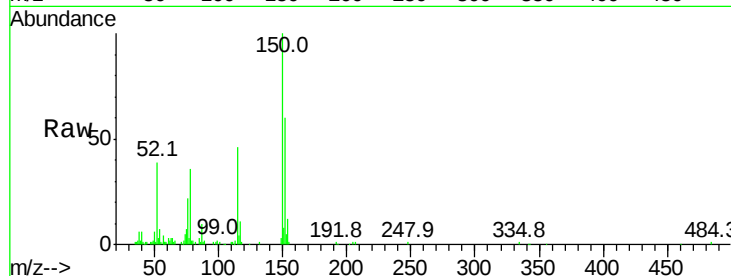
Tot Ion:152 Resp: 51226

Ion Ratio Lower Upper

152 100

150 165.5 114.0 171.0

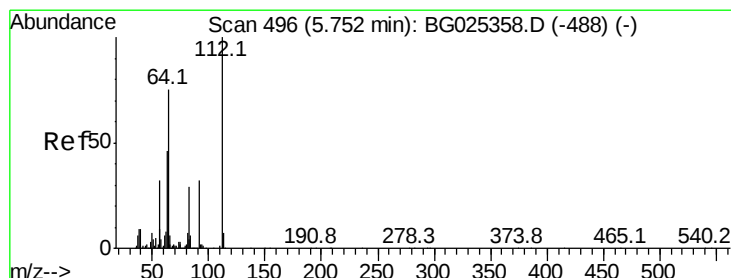
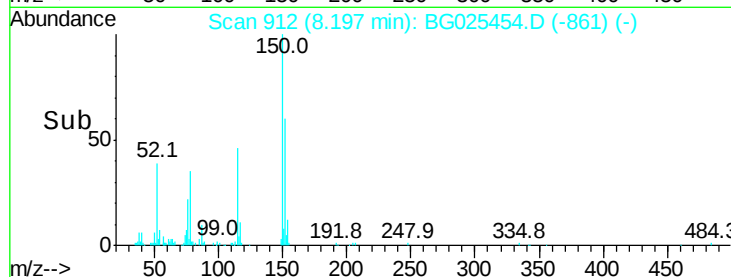
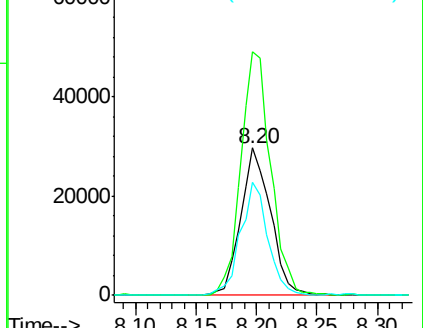
115 76.5 48.1 72.1#



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: 74.05 ng

RT: 5.74 min Scan# 494

Delta R.T. 0.01 min

Lab File: BG025454.D

Acq: 10 Jan 2017 12:34

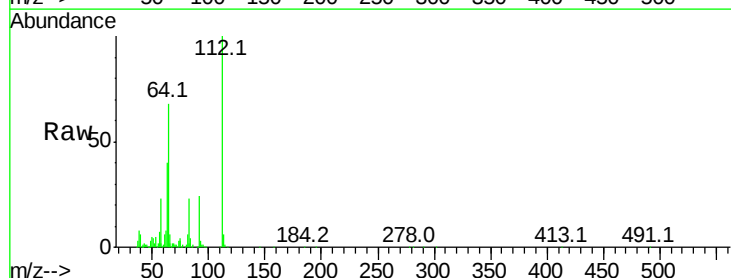
Tgt Ion:112 Resp: 208694

Ion Ratio Lower Upper

112 100

64 68.0 61.8 92.6

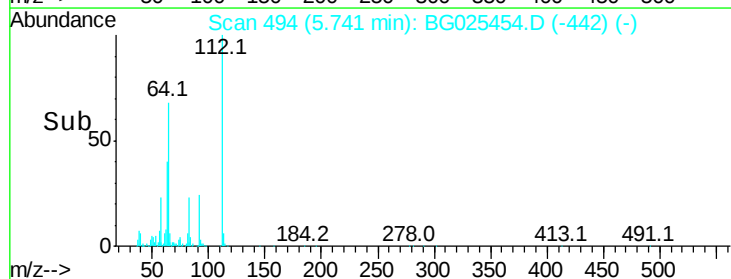
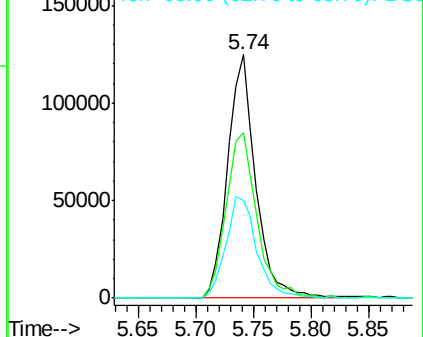
63 40.2 37.2 55.8

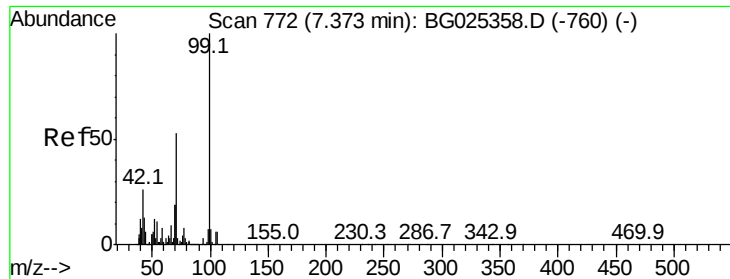


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 45.44 ng

RT: 7.36 min Scan# 769

Delta R.T. -0.00 min

Lab File: BG025454.D

Acq: 10 Jan 2017 12:34

Instrument :

BNA\_G

ClientSampleId :

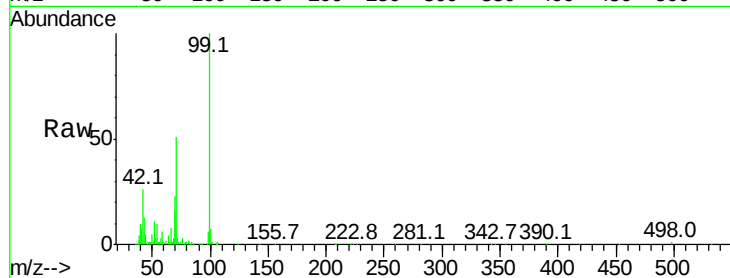
Tot Ion: 99 Resp: 180371

Ion Ratio Lower Upper

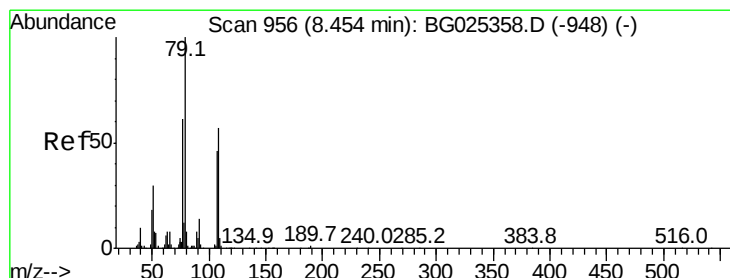
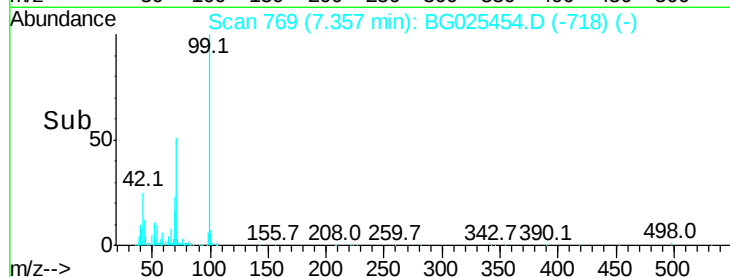
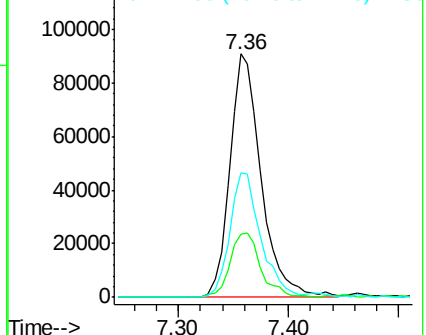
99 100

42 25.9 20.5 30.7

71 51.2 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



#15

Benzyl Alcohol

Concen: 2.55 ng

RT: 8.52 min Scan# 967

Delta R.T. 0.08 min

Lab File: BG025454.D

Acq: 10 Jan 2017 12:34

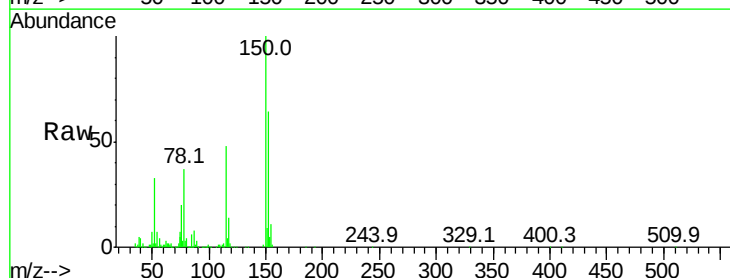
Tgt Ion: 79 Resp: 9660

Ion Ratio Lower Upper

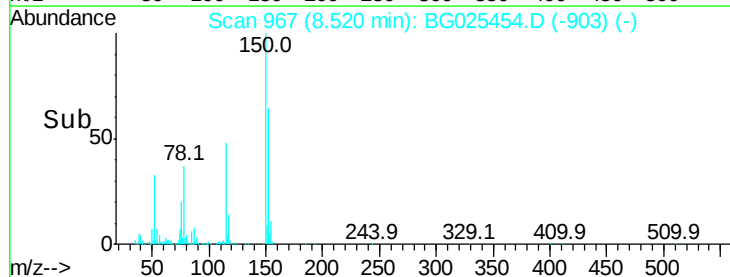
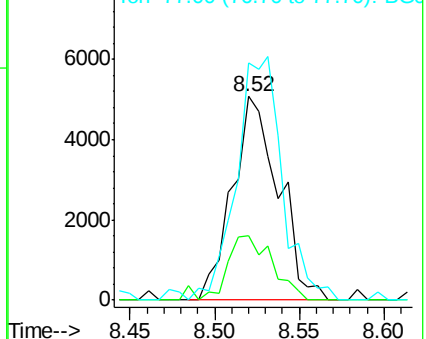
79 100

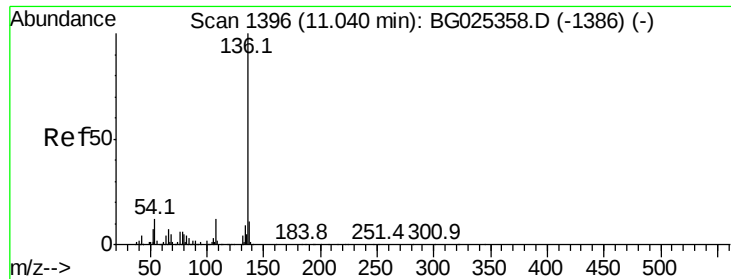
108 31.8 45.5 68.3#

77 116.6 54.3 81.5#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

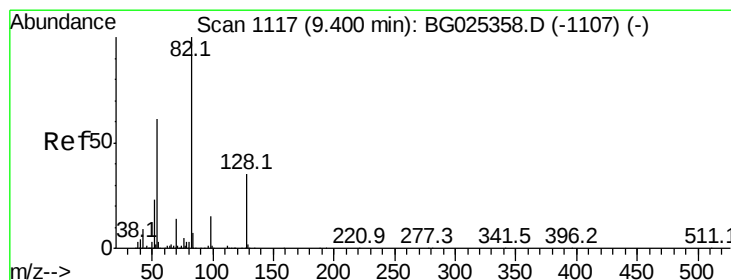
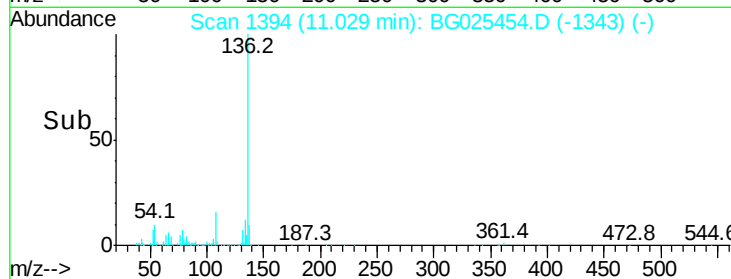
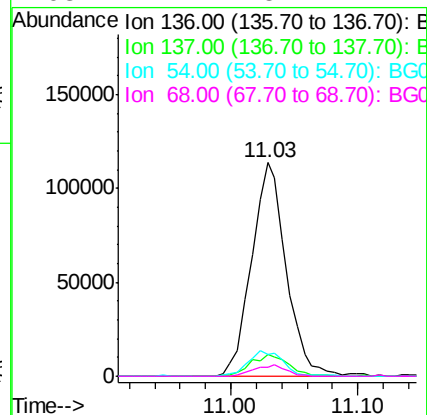
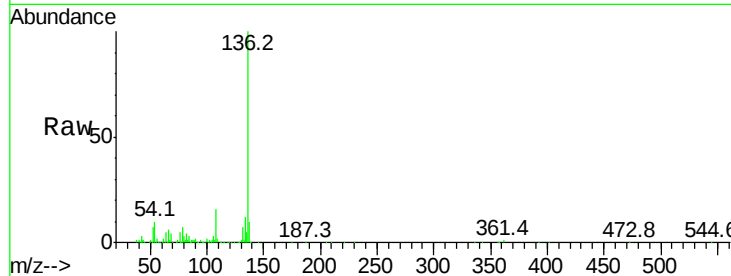




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.03 min Scan# 1394  
Delta R.T. -0.00 min  
Lab File: BG025454.D  
Acq: 10 Jan 2017 12:34

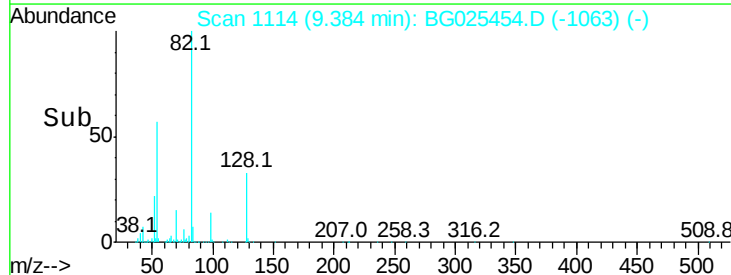
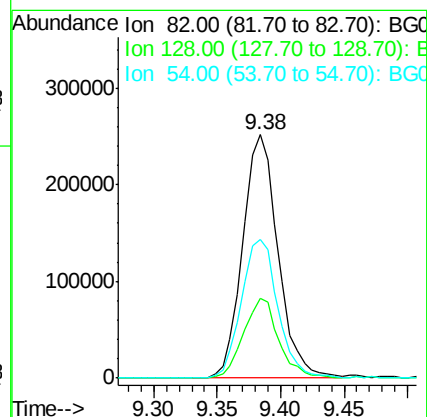
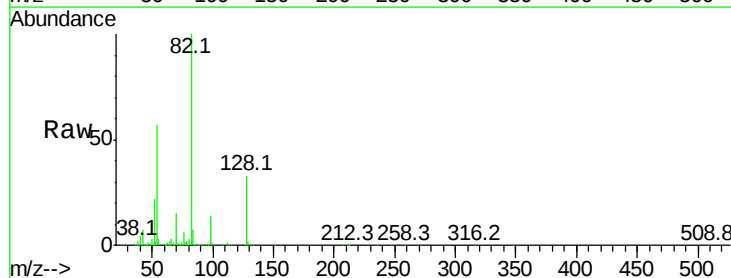
Instrument :  
BNA\_G  
ClientSampleId :

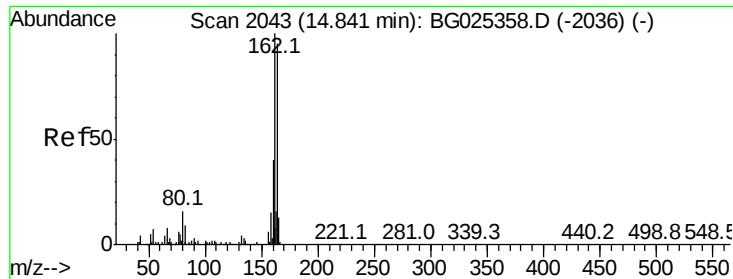
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 215642 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.0  | 8.9   | 13.3   |
| 54       | 10.2  | 9.3   | 13.9   |
| 68       | 4.2   | 5.1   | 7.7#   |



#23  
Nitrobenzene-d5  
Concen: 99.96 ng  
RT: 9.38 min Scan# 1114  
Delta R.T. -0.00 min  
Lab File: BG025454.D  
Acq: 10 Jan 2017 12:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 487955 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 32.8  | 26.4  | 39.6   |
| 54       | 57.0  | 49.4  | 74.2   |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.82 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BG025454.D

Acq: 10 Jan 2017 12:34

Instrument :

BNA\_G

ClientSampleId :

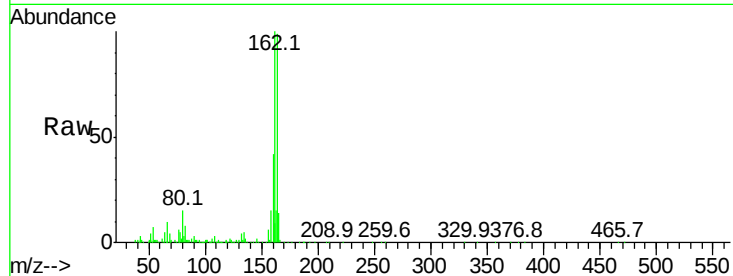
Tot Ion:164 Resp: 186105

Ion Ratio Lower Upper

164 100

162 101.4 85.1 127.7

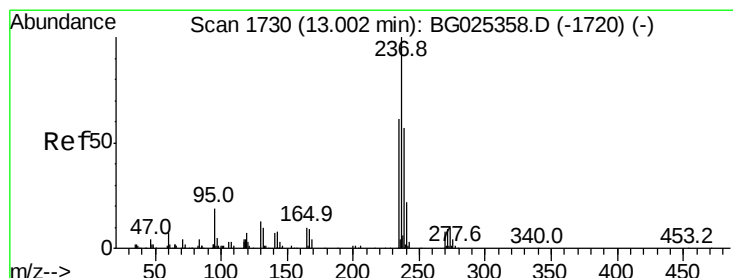
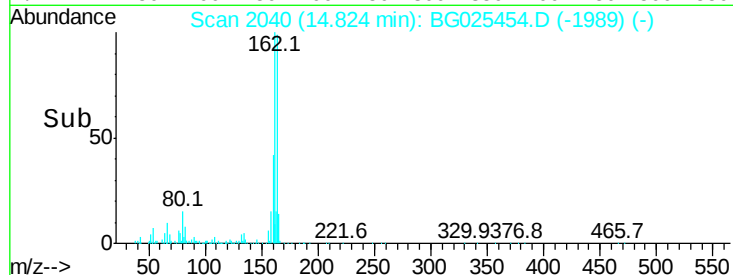
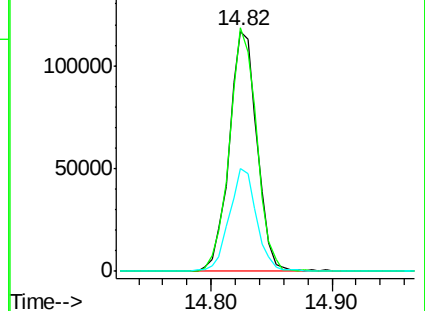
160 42.8 34.7 52.1



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: 8.53 ng

RT: 12.99 min Scan# 1727

Delta R.T. -0.01 min

Lab File: BG025454.D

Acq: 10 Jan 2017 12:34

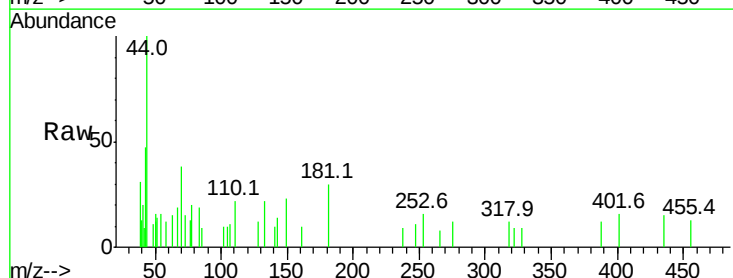
Tgt Ion:237 Resp: 56

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

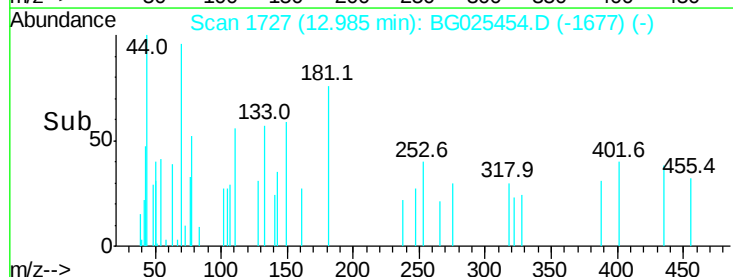
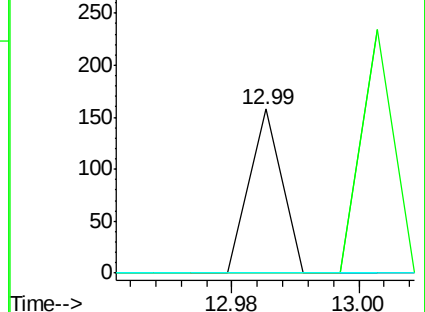
272 0.0 0.0 32.0

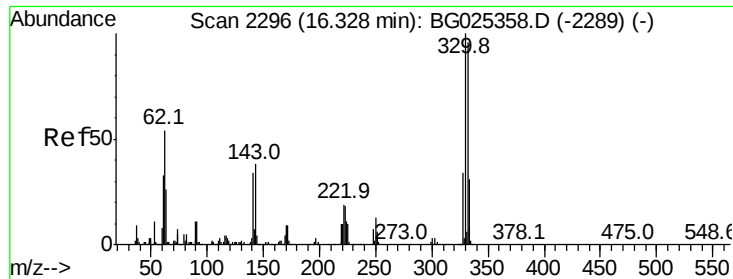


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

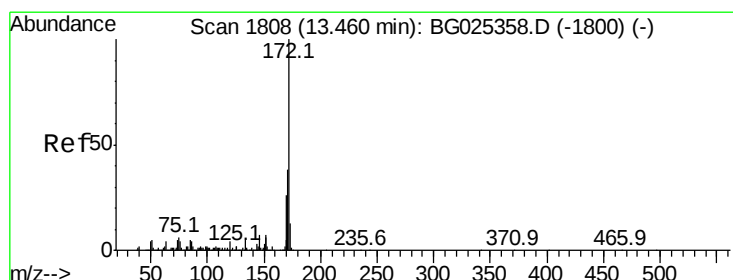
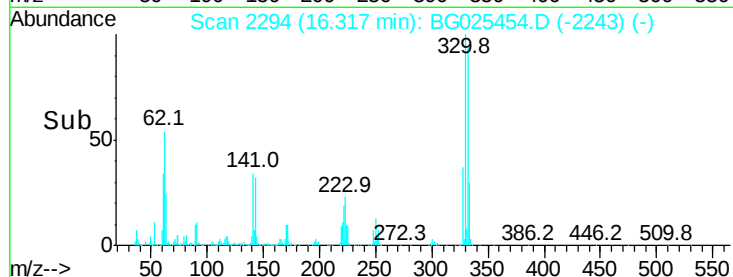
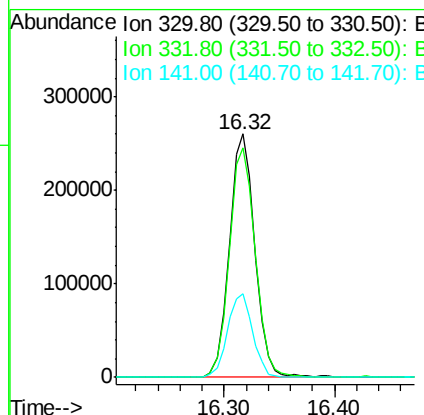
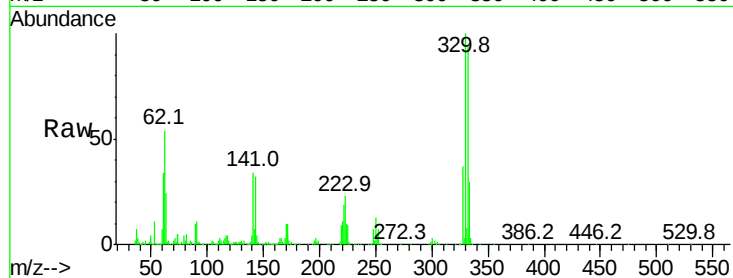




#41  
2,4,6-Tribromophenol  
Concen: 140.04 ng  
RT: 16.32 min Scan# 2294  
Delta R.T. -0.00 min  
Lab File: BG025454.D  
Acq: 10 Jan 2017 12:34

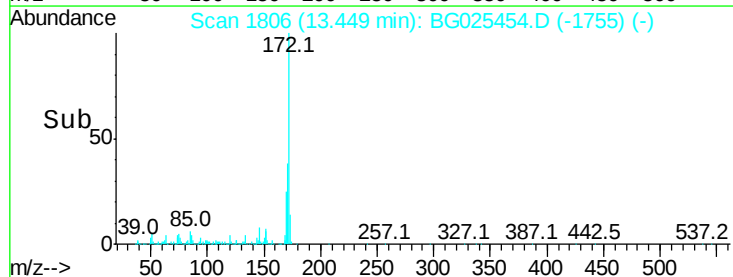
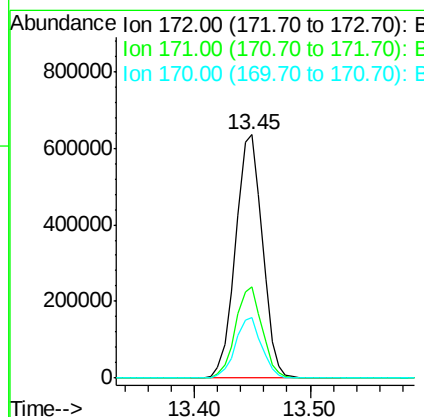
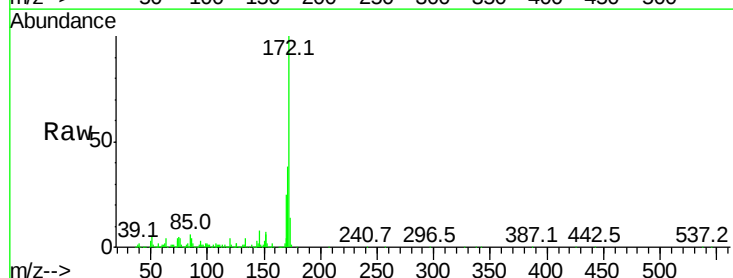
Instrument :  
BNA\_G  
ClientSampleId :

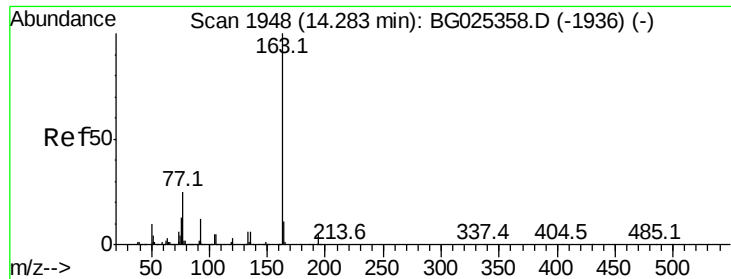
Tot Ion:330 Resp: 419588  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.3 115.9  
141 34.2 32.1 48.1



#44  
2-Fluorobiphenyl  
Concen: 88.99 ng  
RT: 13.45 min Scan# 1806  
Delta R.T. -0.00 min  
Lab File: BG025454.D  
Acq: 10 Jan 2017 12:34

Tgt Ion:172 Resp: 1022931  
Ion Ratio Lower Upper  
172 100  
171 37.7 32.2 48.2  
170 24.7 21.8 32.6





#49

Dimethylphthalate

Concen: 6.68 ng

RT: 14.27 min Scan# 1946

Delta R.T. -0.00 min

Lab File: BG025454.D

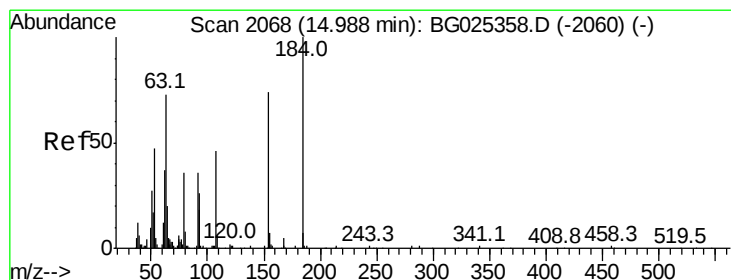
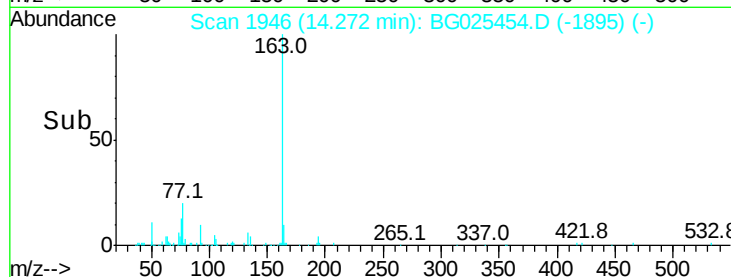
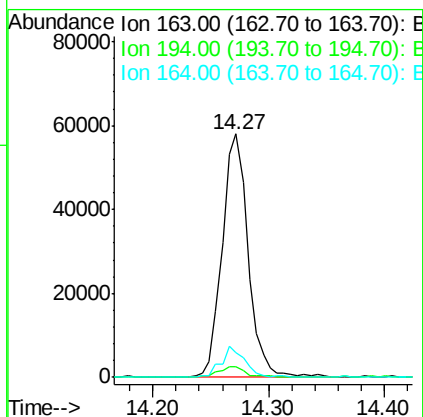
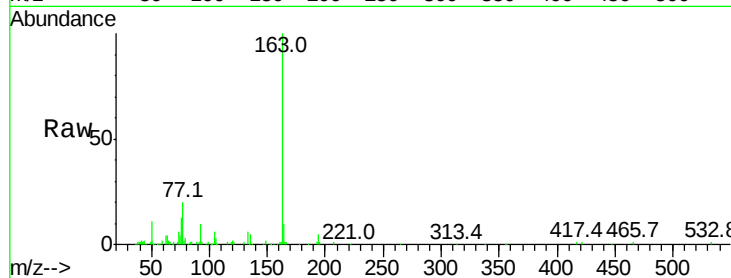
Acq: 10 Jan 2017 12:34

Instrument :

BNA\_G

ClientSampleId :

|             |             |
|-------------|-------------|
| Tot Ion:163 | Resp: 90589 |
| Ion Ratio   | Lower Upper |
| 163 100     |             |
| 194 4.5     | 3.8 5.6     |
| 164 10.0    | 9.3 13.9    |



#53

2,4-Dinitrophenol

Concen: 5.10 ng

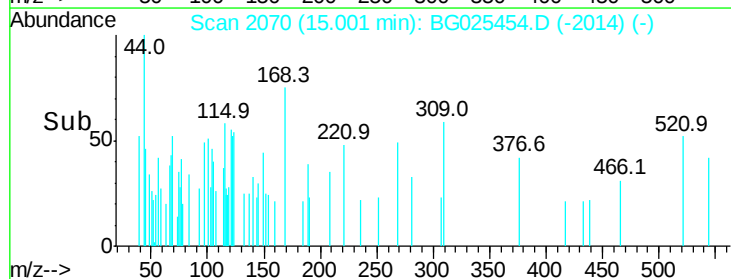
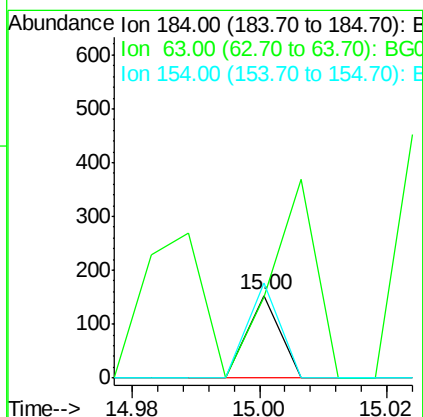
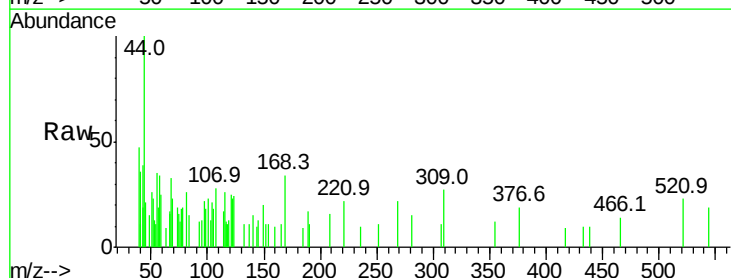
RT: 15.00 min Scan# 2070

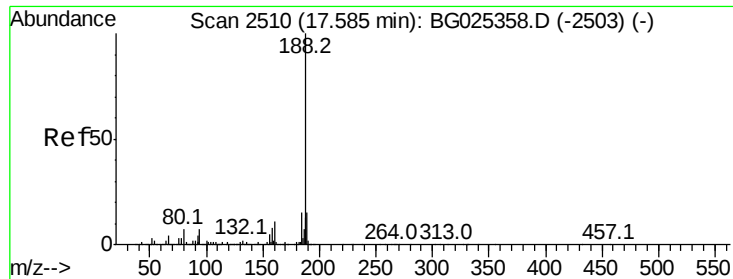
Delta R.T. 0.03 min

Lab File: BG025454.D

Acq: 10 Jan 2017 12:34

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:184 | Resp: | 54    |
| Ion Ratio   | Lower | Upper |
| 184 100     |       |       |
| 63 98.0     | 52.7  | 79.1# |
| 154 115.7   | 57.3  | 85.9# |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.57 min Scan# 2508

Delta R.T. -0.00 min

Lab File: BG025454.D

Acq: 10 Jan 2017 12:34

Instrument :

BNA\_G

ClientSampleId :

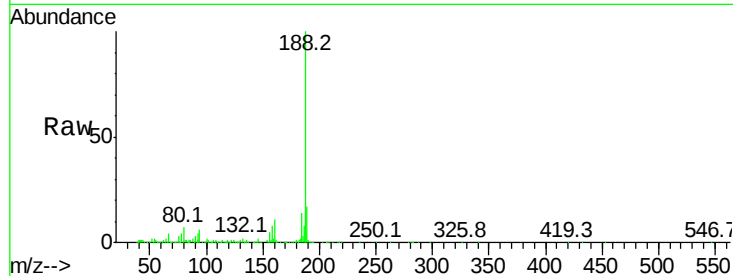
Tot Ion:188 Resp: 415508

Ion Ratio Lower Upper

188 100

94 6.4 5.8 8.8

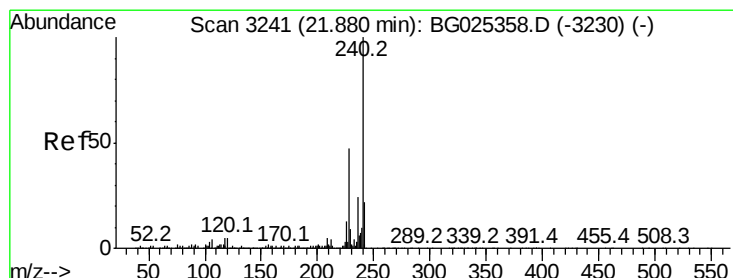
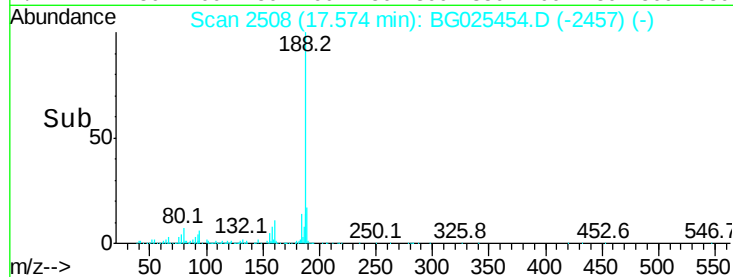
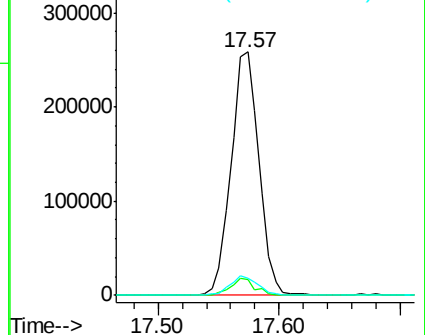
80 7.1 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.86 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BG025454.D

Acq: 10 Jan 2017 12:34

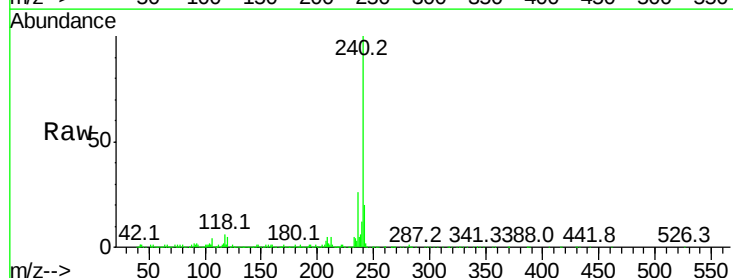
Tgt Ion:240 Resp: 622262

Ion Ratio Lower Upper

240 100

120 5.0 5.7 8.5#

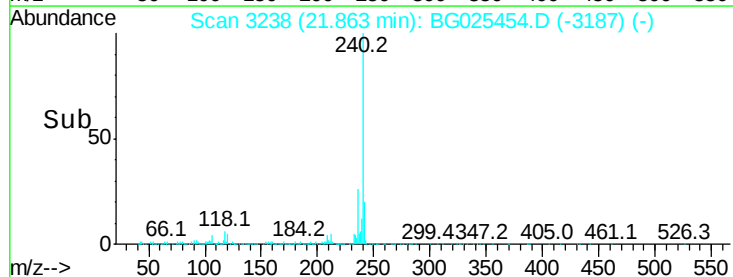
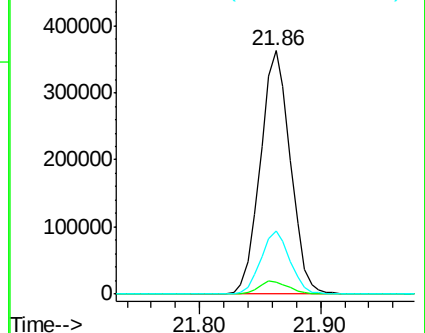
236 25.9 22.2 33.4

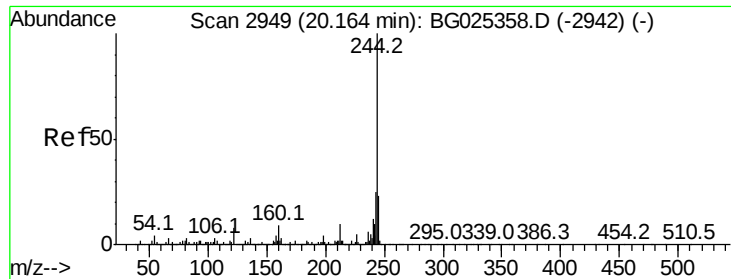


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 85.58 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG025454.D

Acq: 10 Jan 2017 12:34

Instrument :

BNA\_G

ClientSampleId :

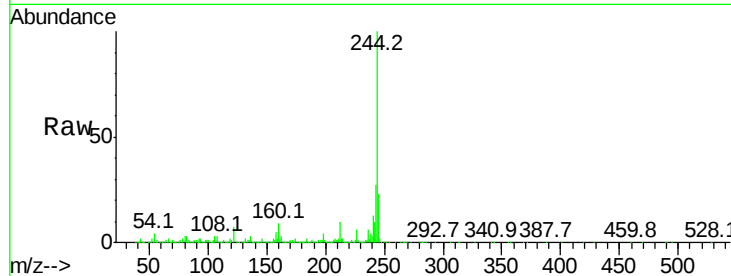
Tot Ion:244 Resp: 2008426

Ion Ratio Lower Upper

244 100

212 9.7 10.0 15.0#

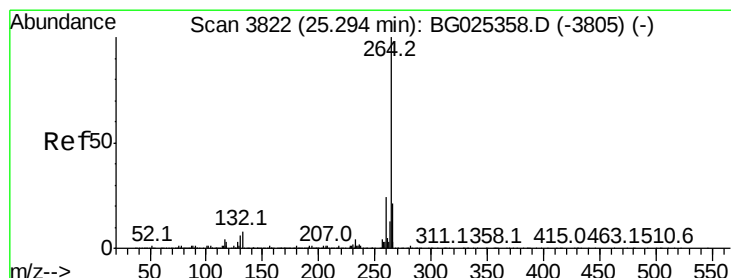
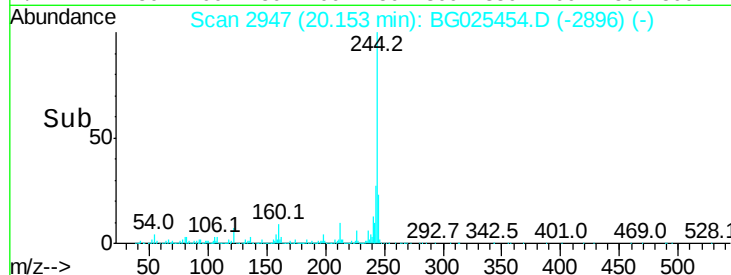
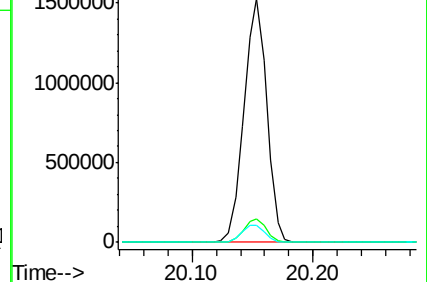
122 7.2 8.6 12.8#



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: 25.27 min Scan# 3817

Delta R.T. -0.00 min

Lab File: BG025454.D

Acq: 10 Jan 2017 12:34

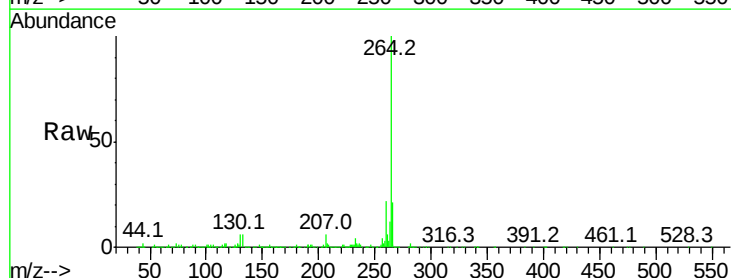
Tgt Ion:264 Resp: 658233

Ion Ratio Lower Upper

264 100

260 21.9 21.8 32.8

265 20.7 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

