

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG012017\  
 Data File : BG025559.D  
 Acq On : 21 Jan 2017 5:24  
 Operator : UM/SJ  
 Sample : I1347-18  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S5-0-3FT-COMP

Quant Time: Jan 21 06:09:36 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

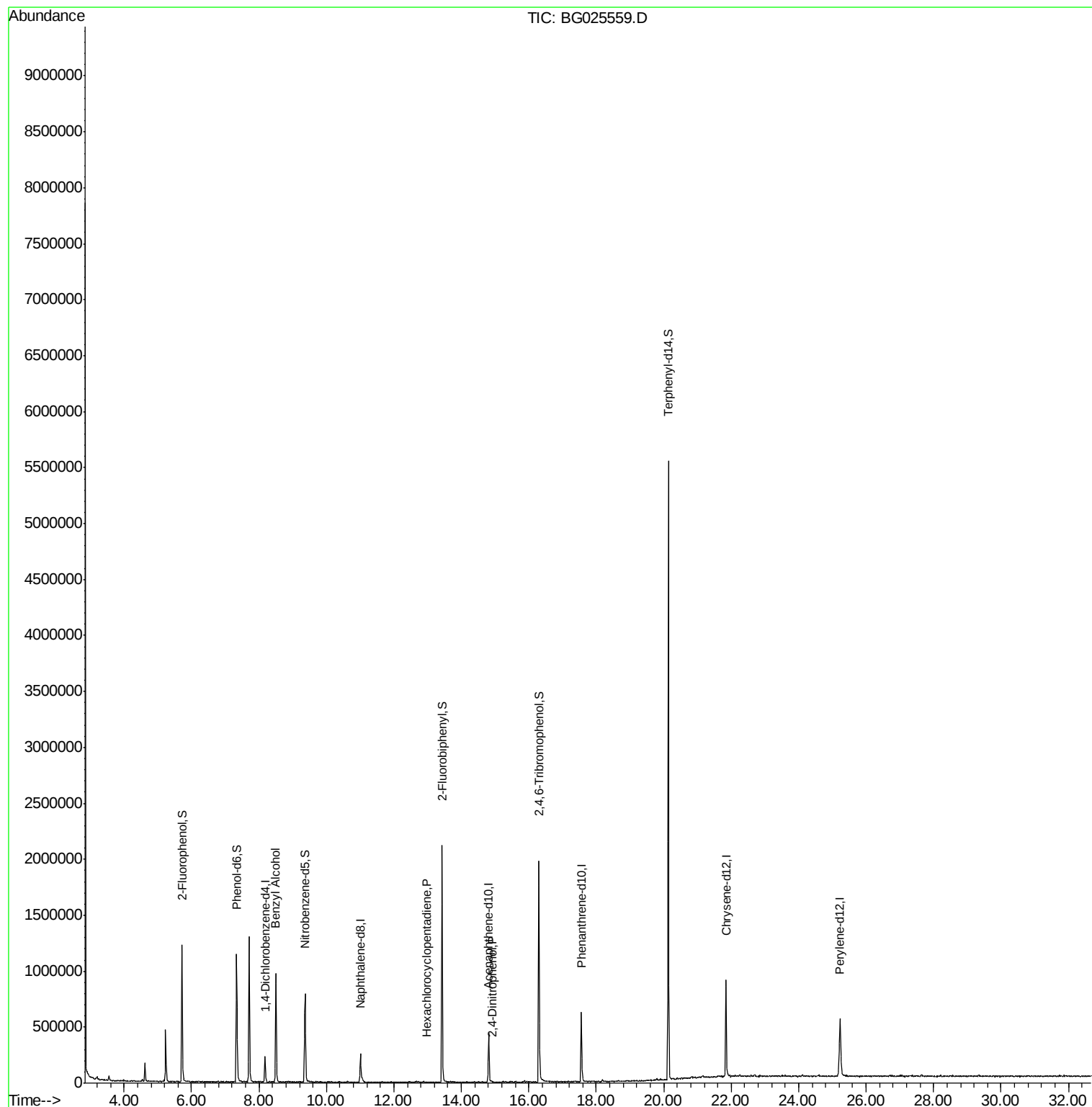
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.18  | 152  | 59868    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8            | 11.01 | 136  | 218956   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10          | 14.81 | 164  | 179684   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10          | 17.56 | 188  | 416876   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12              | 21.85 | 240  | 622552   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12              | 25.23 | 264  | 653111   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.72  | 112  | 469382   | 142.51 | ng    | -0.02    |
| 7) Phenol-d6                  | 7.34  | 99   | 595187   | 128.31 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 9.37  | 82   | 536422   | 108.23 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol      | 16.30 | 330  | 423019   | 146.23 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl          | 13.43 | 172  | 1121374  | 101.04 | ng    | -0.02    |
| 78) Terphenyl-d14             | 20.14 | 244  | 2284689  | 97.30  | ng    | -0.02    |
| Target Compounds              |       |      |          |        |       |          |
| 15) Benzyl Alcohol            | 8.50  | 79   | 9745     | 2.20   | ng    | # 59     |
| 40) Hexachlorocyclopentadiene | 12.96 | 237  | 93       | 8.55   | ng    | # 29     |
| 53) 2,4-Dinitrophenol         | 14.92 | 184  | 57       | 5.11   | ng    | # 52     |

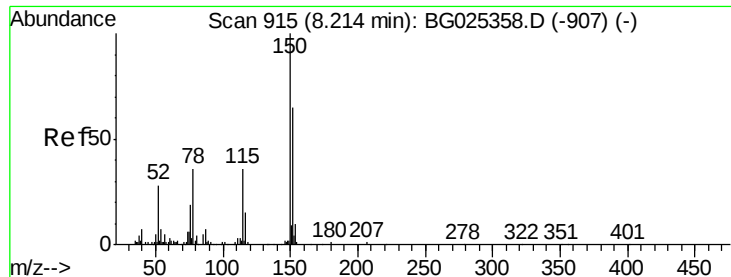
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.18 min Scan# 909

Delta R.T. -0.02 min

Lab File: BG025559.D

Acq: 21 Jan 2017 5:24

Instrument :

BNA\_G

ClientSampleId :

S5-0-3FT-COMP

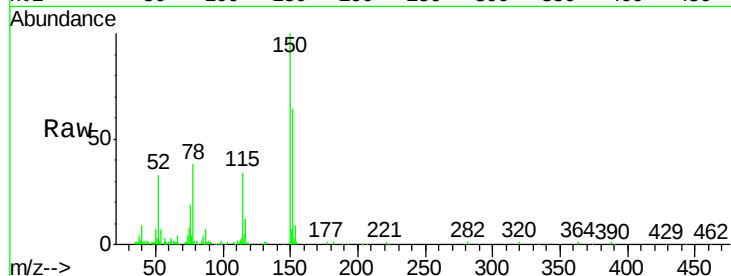
Tgt Ion:152 Resp: 59868

Ion Ratio Lower Upper

152 100

150 156.0 114.0 171.0

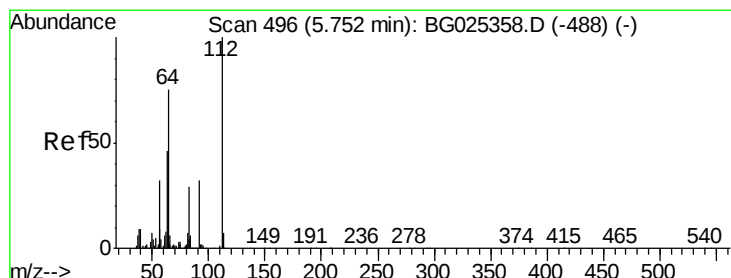
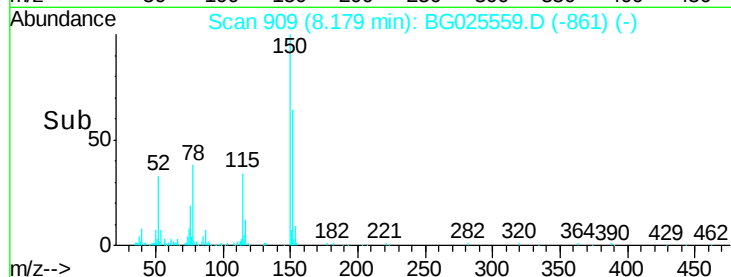
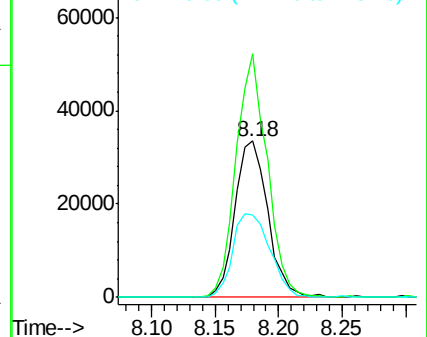
115 52.7 48.1 72.1



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: 142.51 ng

RT: 5.72 min Scan# 490

Delta R.T. -0.02 min

Lab File: BG025559.D

Acq: 21 Jan 2017 5:24

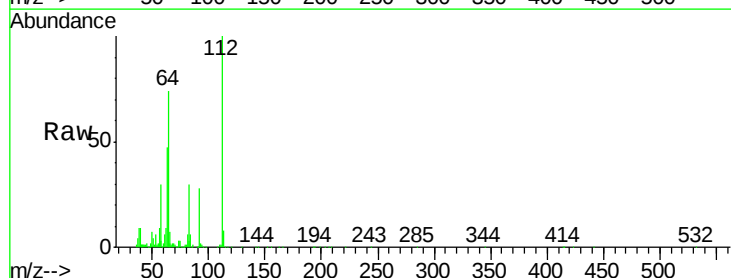
Tgt Ion:112 Resp: 469382

Ion Ratio Lower Upper

112 100

64 73.8 61.8 92.6

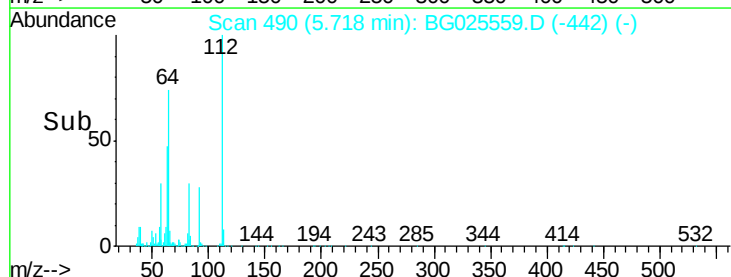
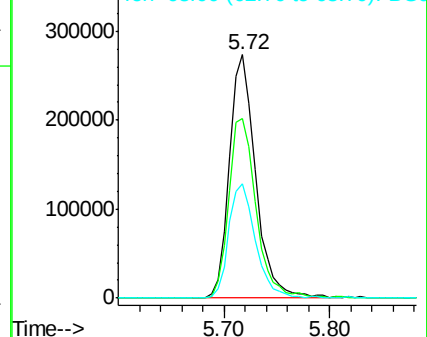
63 46.9 37.2 55.8

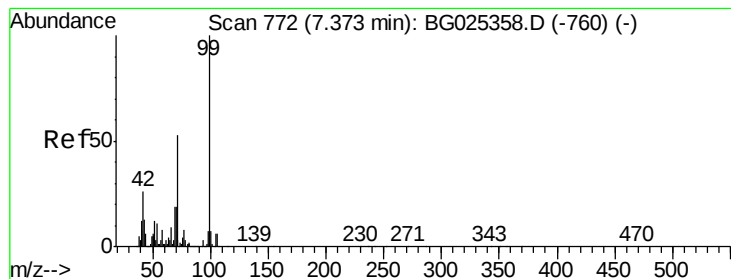


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 128.31 ng

RT: 7.34 min Scan# 766

Delta R.T. -0.02 min

Lab File: BG025559.D

Acq: 21 Jan 2017 5:24

Instrument :

BNA\_G

ClientSampleId :

S5-0-3FT-COMP

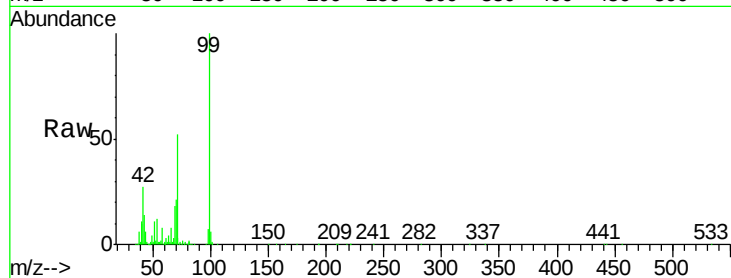
Tgt Ion: 99 Resp: 595187

Ion Ratio Lower Upper

99 100

42 27.3 20.5 30.7

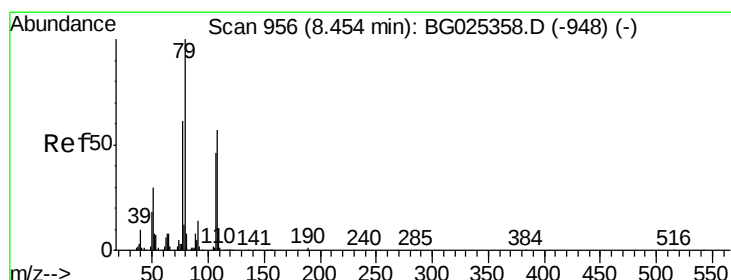
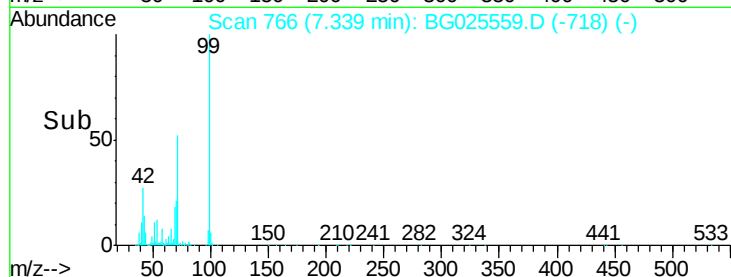
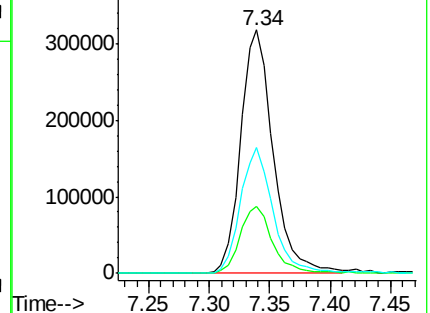
71 51.5 37.6 56.4



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: 2.20 ng

RT: 8.50 min Scan# 964

Delta R.T. 0.06 min

Lab File: BG025559.D

Acq: 21 Jan 2017 5:24

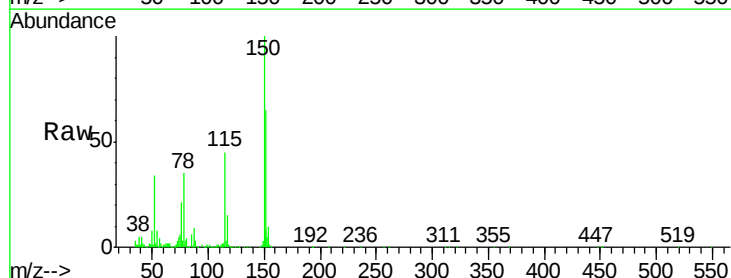
Tgt Ion: 79 Resp: 9745

Ion Ratio Lower Upper

79 100

108 36.2 45.5 68.3#

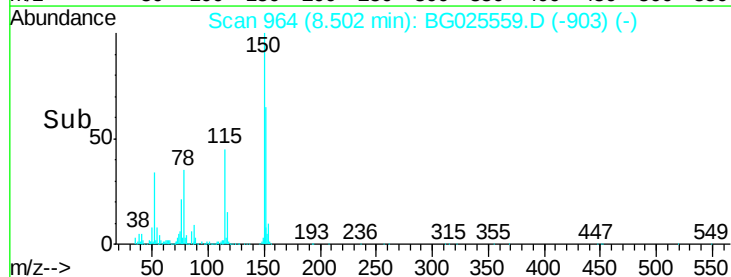
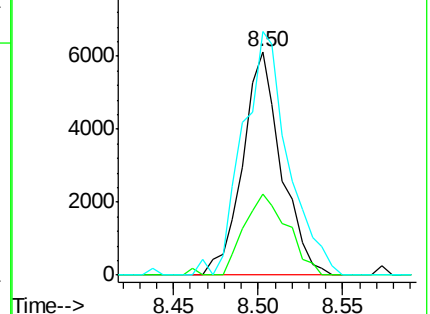
77 109.1 54.3 81.5#

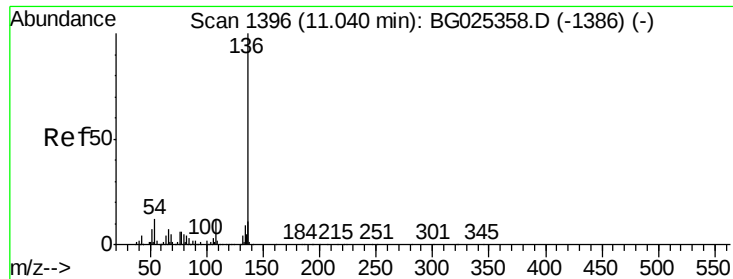


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

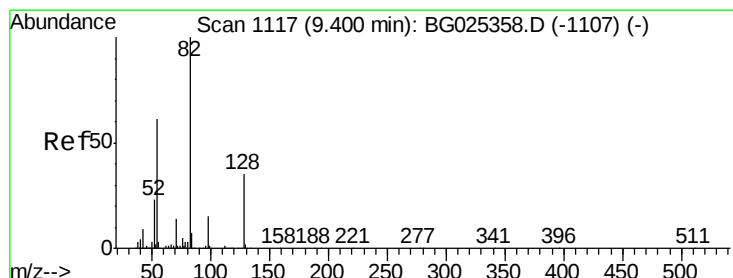
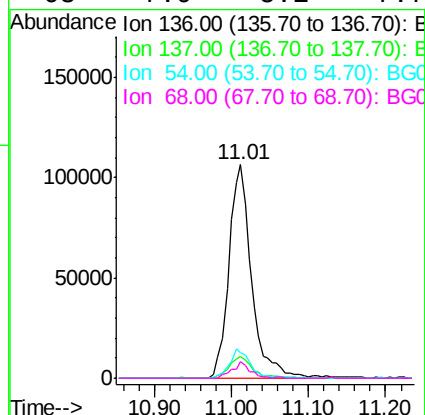
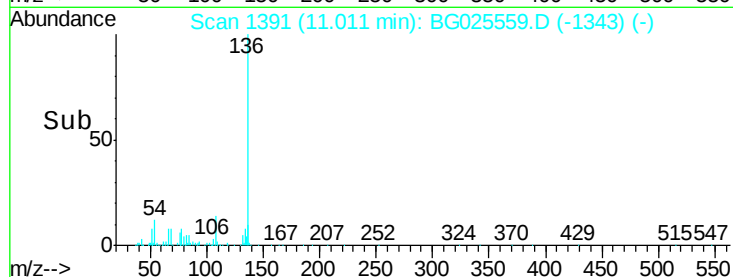
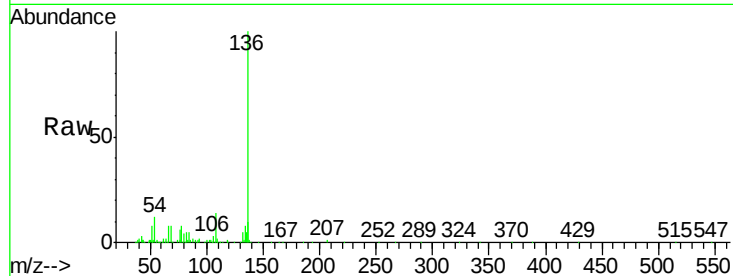




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.01 min Scan# 1391  
Delta R.T. -0.02 min  
Lab File: BG025559.D  
Acq: 21 Jan 2017 5:24

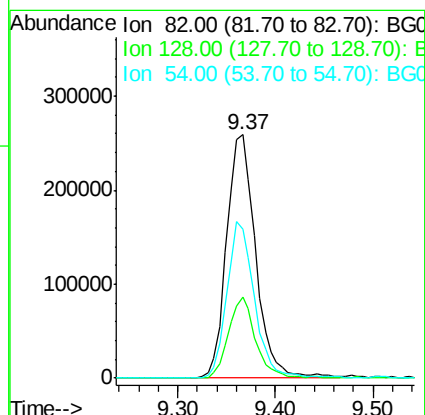
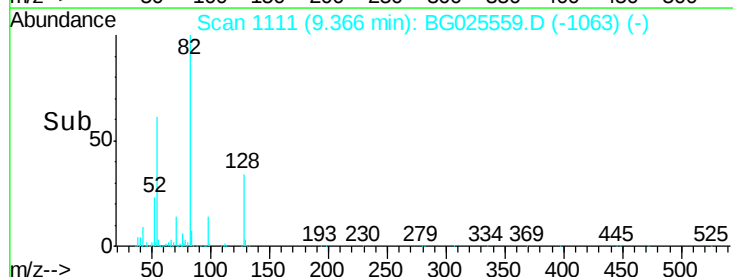
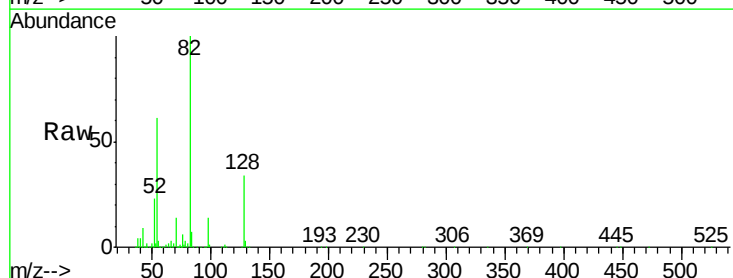
Instrument :  
BNA\_G  
ClientSampleId :  
S5-0-3FT-COMP

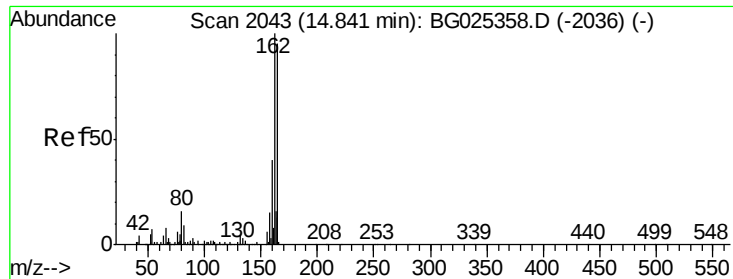
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 218956 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.0  | 8.9   | 13.3   |
| 54       | 11.9  | 9.3   | 13.9   |
| 68       | 7.9   | 5.1   | 7.7#   |



#23  
Nitrobenzene-d5  
Concen: 108.23 ng  
RT: 9.37 min Scan# 1111  
Delta R.T. -0.02 min  
Lab File: BG025559.D  
Acq: 21 Jan 2017 5:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 536422 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 33.6  | 26.4  | 39.6   |
| 54       | 61.2  | 49.4  | 74.2   |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.81 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BG025559.D

Acq: 21 Jan 2017 5:24

Instrument :

BNA\_G

ClientSampleId :

S5-0-3FT-COMP

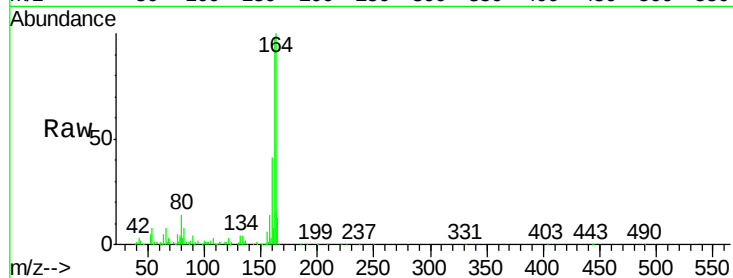
Tgt Ion:164 Resp: 179684

Ion Ratio Lower Upper

164 100

162 98.3 85.1 127.7

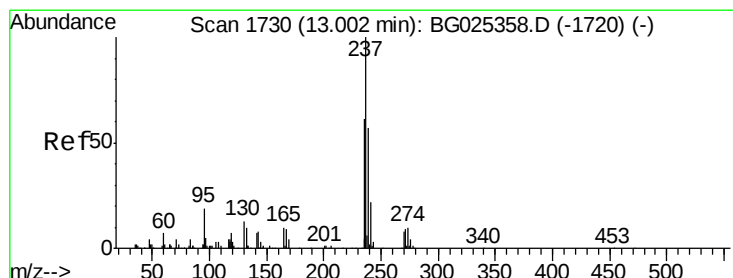
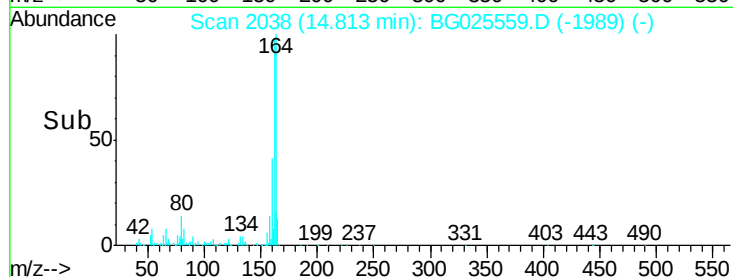
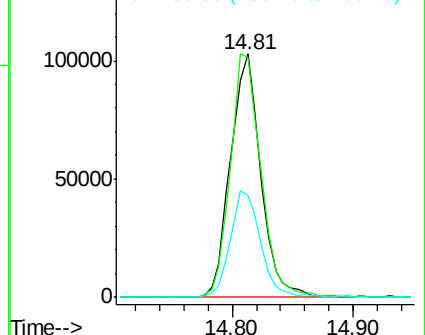
160 41.4 34.7 52.1



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: 8.55 ng

RT: 12.96 min Scan# 1722

Delta R.T. -0.04 min

Lab File: BG025559.D

Acq: 21 Jan 2017 5:24

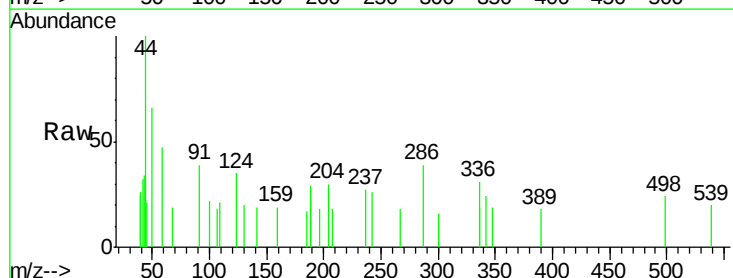
Tgt Ion:237 Resp: 93

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

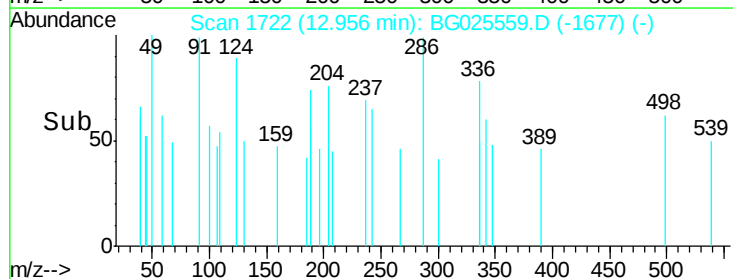
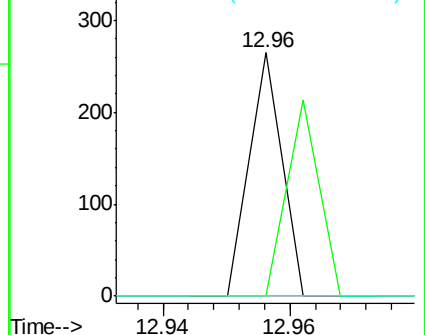
272 0.0 0.0 32.0

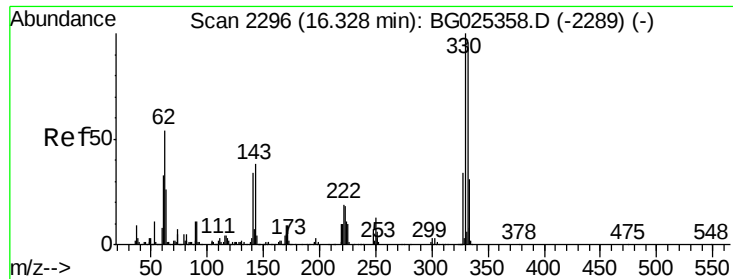


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

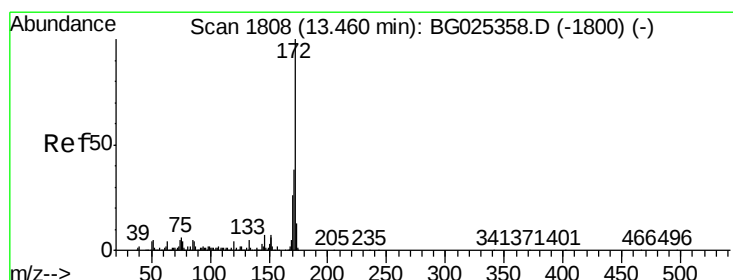
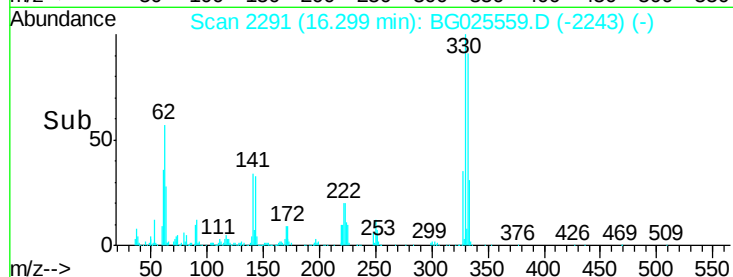
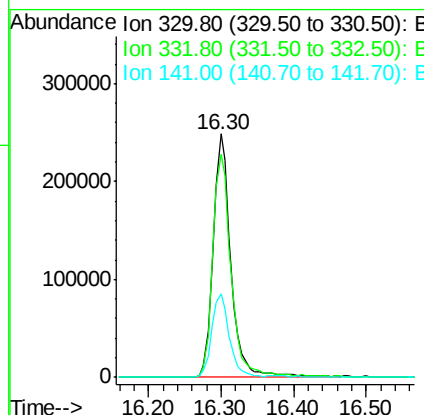
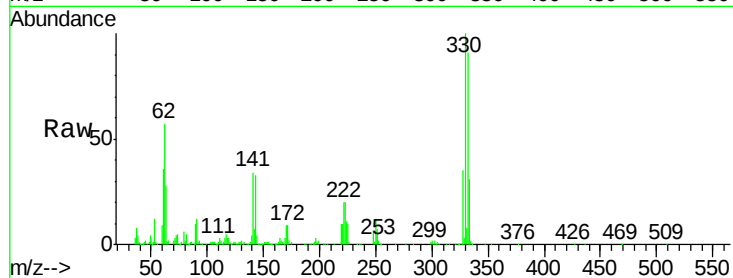




#41  
2,4,6-Tribromophenol  
Concen: 146.23 ng  
RT: 16.30 min Scan# 2291  
Delta R.T. -0.02 min  
Lab File: BG025559.D  
Acq: 21 Jan 2017 5:24

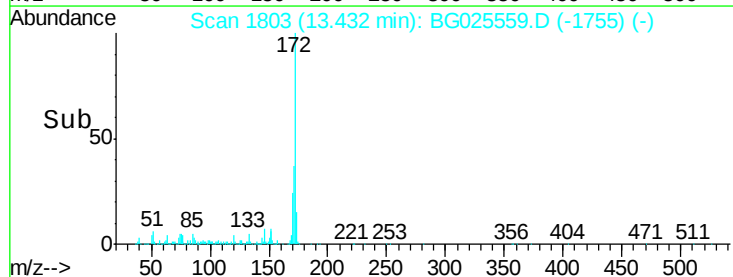
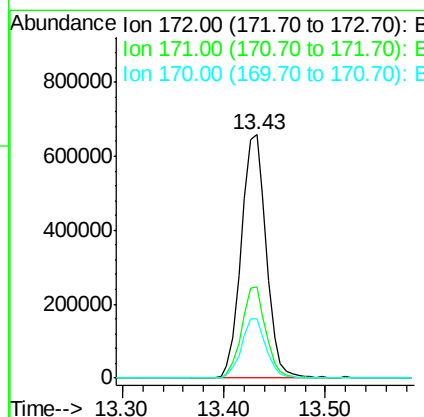
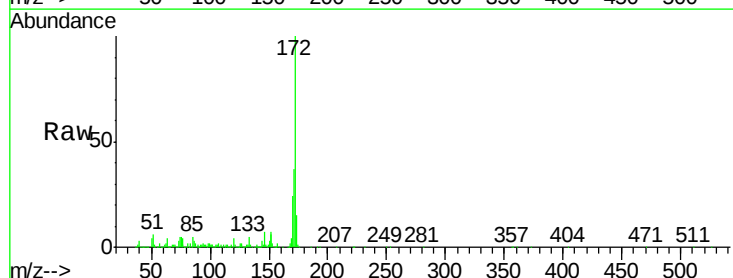
Instrument :  
BNA\_G  
ClientSampleId :  
S5-0-3FT-COMP

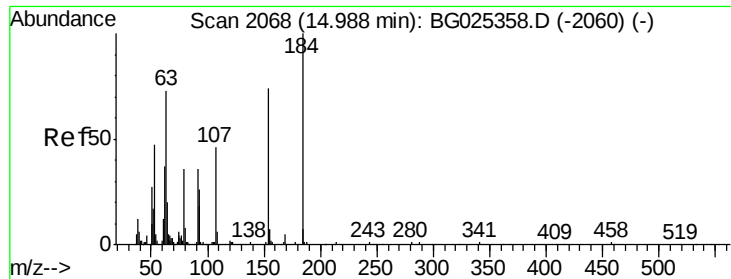
Tgt Ion:330 Resp: 423019  
Ion Ratio Lower Upper  
330 100  
332 94.1 77.3 115.9  
141 34.0 32.1 48.1



#44  
2-Fluorobiphenyl  
Concen: 101.04 ng  
RT: 13.43 min Scan# 1803  
Delta R.T. -0.02 min  
Lab File: BG025559.D  
Acq: 21 Jan 2017 5:24

Tgt Ion:172 Resp: 1121374  
Ion Ratio Lower Upper  
172 100  
171 37.3 32.2 48.2  
170 24.4 21.8 32.6





#53

2,4-Dinitrophenol

Concen: 5.11 ng

RT: 14.92 min Scan# 2056

Delta R.T. -0.05 min

Lab File: BG025559.D

Acq: 21 Jan 2017 5:24

Instrument :

BNA\_G

ClientSampleId :

S5-0-3FT-COMP

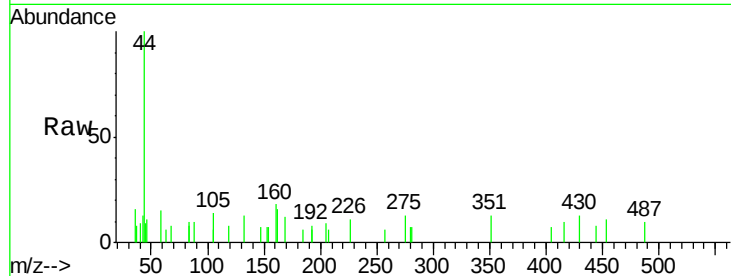
Tgt Ion:184 Resp: 57

Ion Ratio Lower Upper

184 100

63 99.4 52.7 79.1#

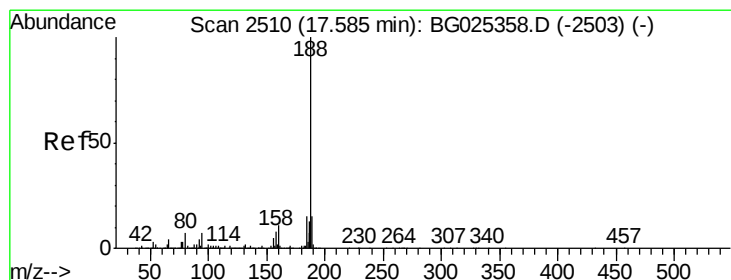
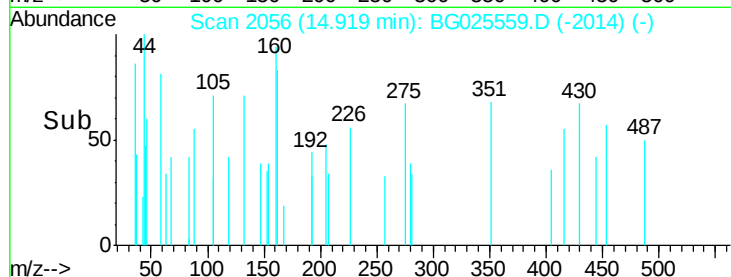
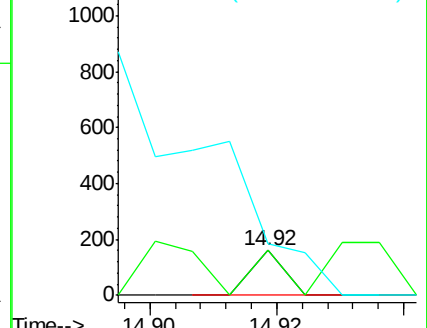
154 115.5 57.3 85.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. -0.02 min

Lab File: BG025559.D

Acq: 21 Jan 2017 5:24

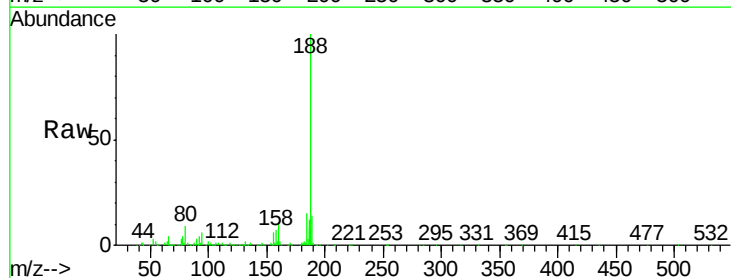
Tgt Ion:188 Resp: 416876

Ion Ratio Lower Upper

188 100

94 6.1 5.8 8.8

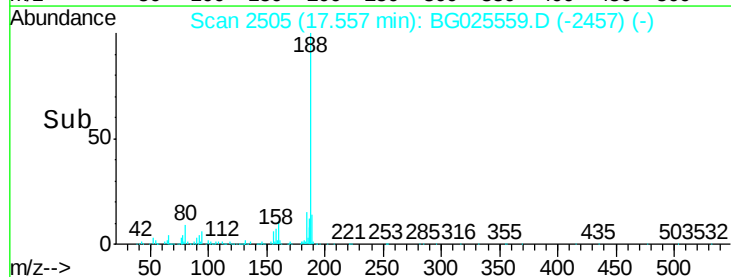
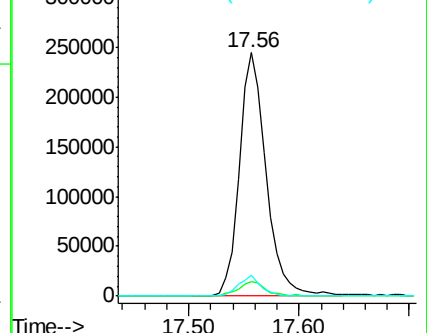
80 8.7 7.5 11.3

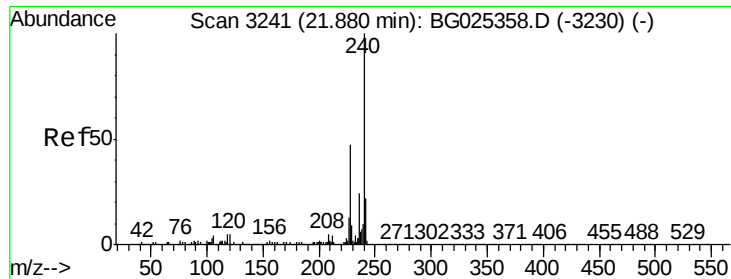


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.85 min Scan# 3235

Delta R.T. -0.02 min

Lab File: BG025559.D

Acq: 21 Jan 2017 5:24

Instrument :

BNA\_G

ClientSampleId :

S5-0-3FT-COMP

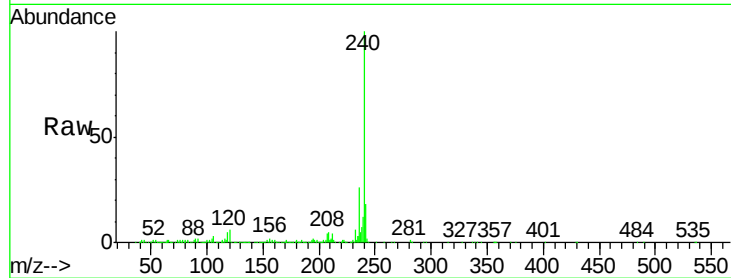
Tgt Ion:240 Resp: 622552

Ion Ratio Lower Upper

240 100

120 5.9 5.7 8.5

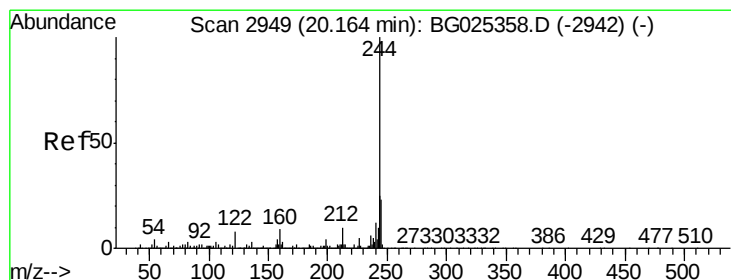
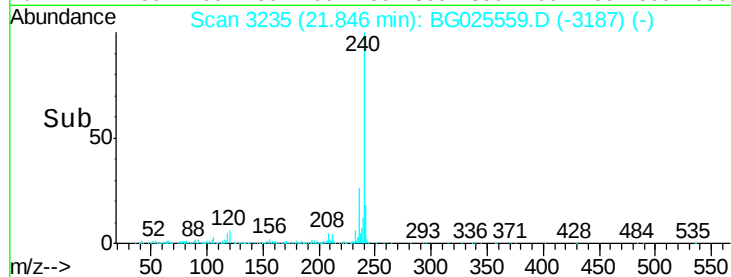
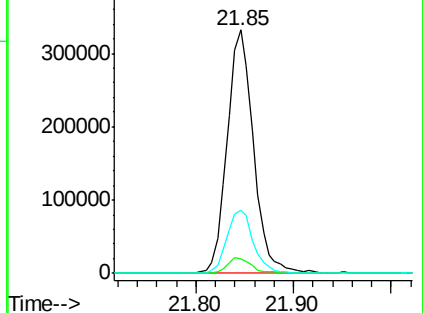
236 26.0 22.2 33.4



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: 97.30 ng

RT: 20.14 min Scan# 2944

Delta R.T. -0.02 min

Lab File: BG025559.D

Acq: 21 Jan 2017 5:24

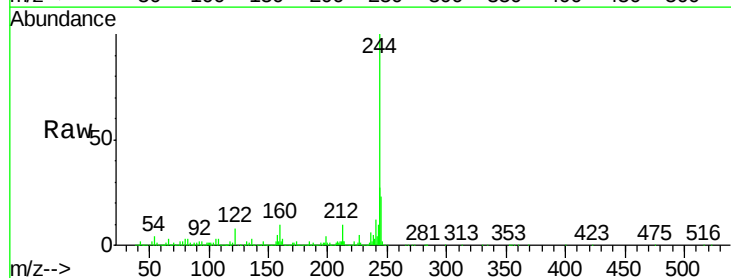
Tgt Ion:244 Resp: 2284689

Ion Ratio Lower Upper

244 100

212 10.3 10.0 15.0

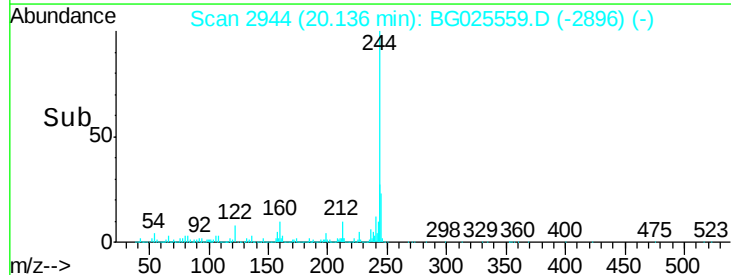
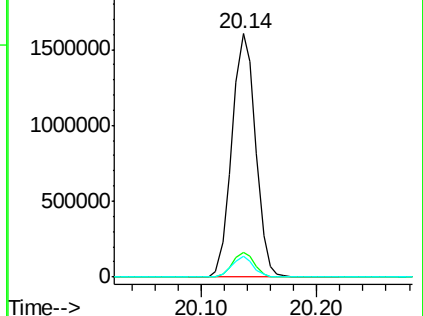
122 8.4 8.6 12.8#

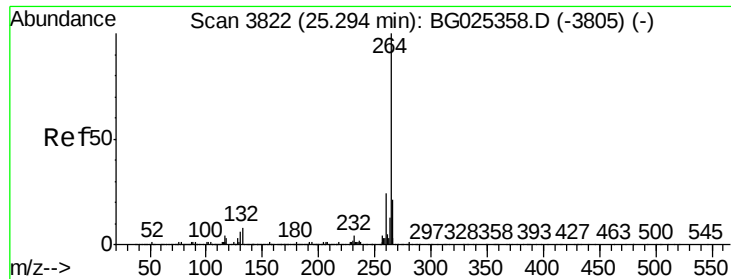


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.23 min Scan# 3811  
 Delta R.T. -0.04 min  
 Lab File: BG025559.D  
 Acq: 21 Jan 2017 5:24

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S5-0-3FT-COMP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.3  | 21.8  | 32.8  |
| 265     | 20.4  | 18.2  | 27.4  |

