

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG011217\  
 Data File : BG025505.D  
 Acq On : 13 Jan 2017 6:16  
 Operator : UM/SJ  
 Sample : I1135-06  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PW-01

Quant Time: Jan 13 12:38:29 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

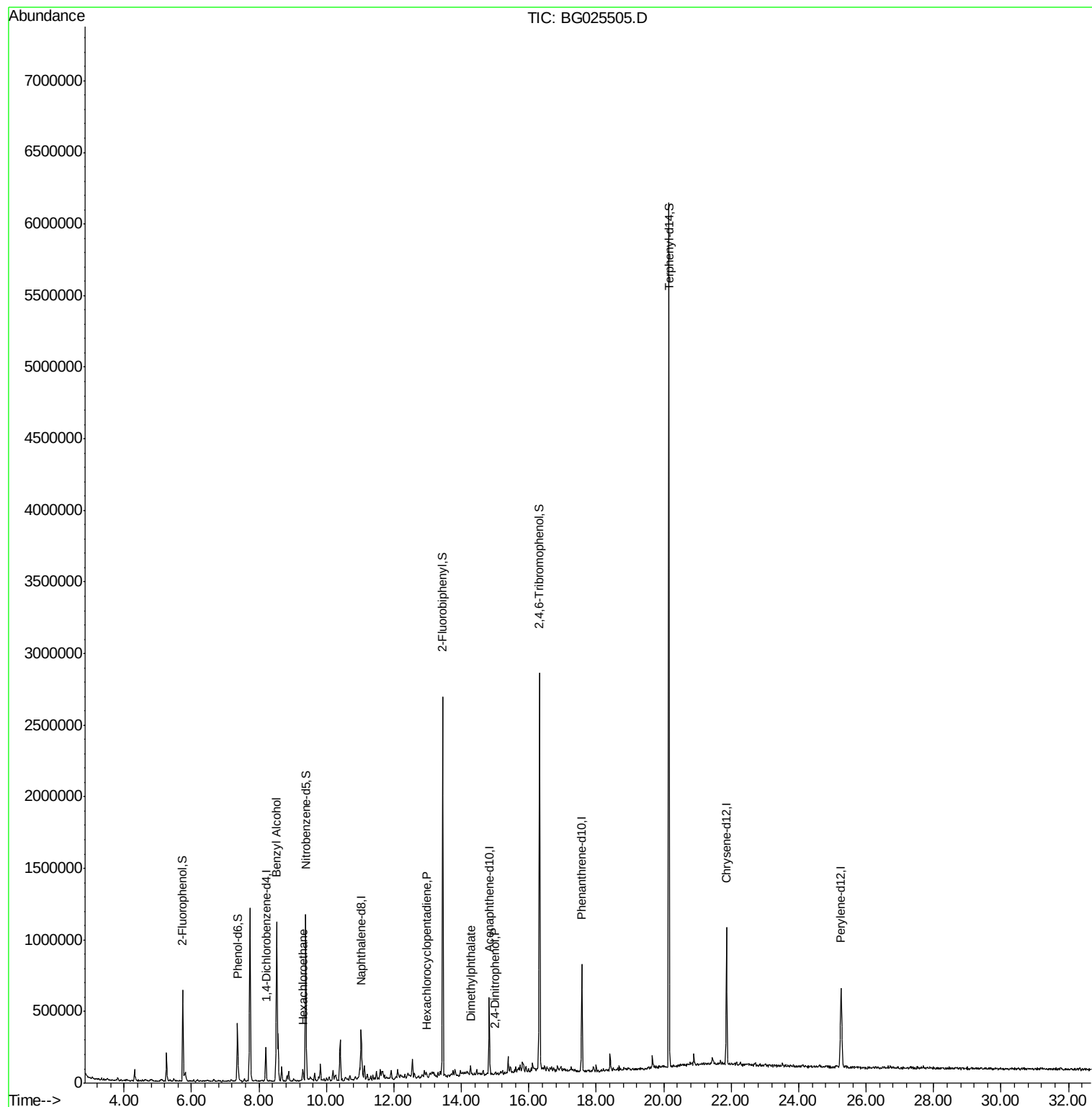
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.20  | 152  | 62630    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.03 | 136  | 247970   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 14.83 | 164  | 202411   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10          | 17.57 | 188  | 460616   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12              | 21.86 | 240  | 649664   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 25.26 | 264  | 698659   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.74  | 112  | 258500   | 75.02  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.36  | 99   | 220240   | 45.39  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.39  | 82   | 618756   | 110.23 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol      | 16.32 | 330  | 543940   | 166.92 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl          | 13.45 | 172  | 1316189  | 105.28 | ng    | 0.00     |
| 78) Terphenyl-d14             | 20.15 | 244  | 2431267  | 99.23  | ng    | 0.00     |
| Target Compounds              |       |      |          |        |       |          |
| 15) Benzyl Alcohol            | 8.53  | 79   | 11956    | 2.58   | ng    | # 63     |
| 18) Hexachloroethane          | 9.31  | 117  | 29079    | 15.53  | ng    | # 14     |
| 40) Hexachlorocyclopentadiene | 12.99 | 237  | 60       | 8.53   | ng    | # 29     |
| 49) Dimethylphthalate         | 14.27 | 163  | 31204    | 2.11   | ng    | 96       |
| 53) 2,4-Dinitrophenol         | 14.98 | 184  | 108      | 5.13   | ng    | # 1      |

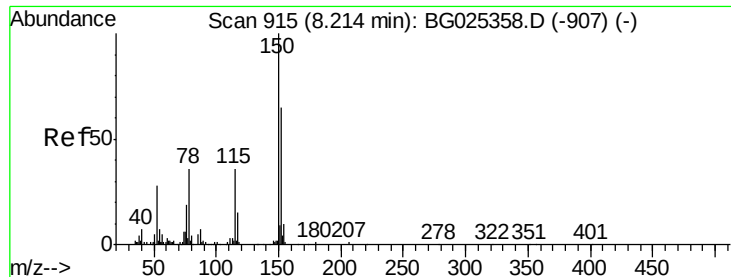
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG011217\  
Data File : BG025505.D  
Acq On : 13 Jan 2017 6:16  
Operator : UM/SJ  
Sample : I1135-06  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PW-01

Quant Time: Jan 13 12:38:29 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.20 min Scan# 913

Delta R.T. 0.01 min

Lab File: BG025505.D

Acq: 13 Jan 2017 6:16

Instrument :

BNA\_G

ClientSampleId :

PW-01

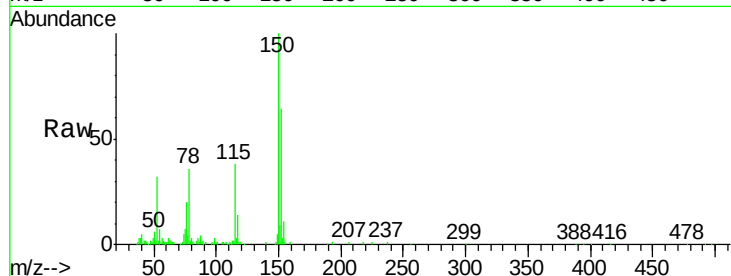
Tgt Ion:152 Resp: 62630

Ion Ratio Lower Upper

152 100

150 157.4 114.0 171.0

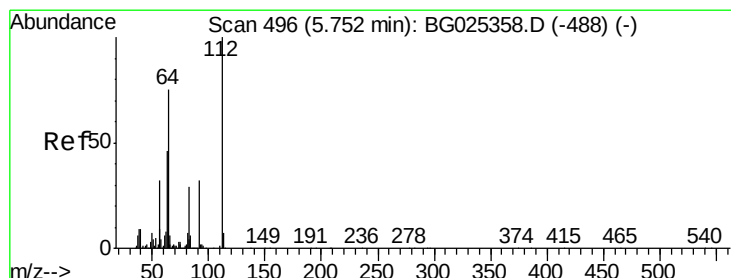
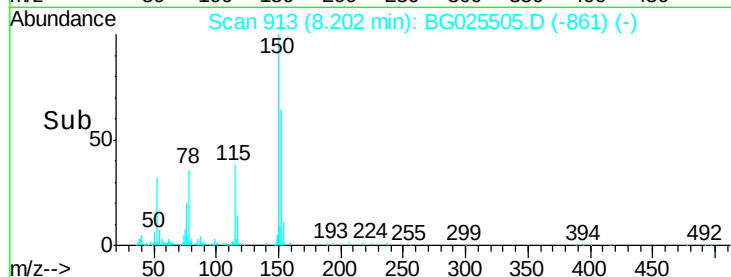
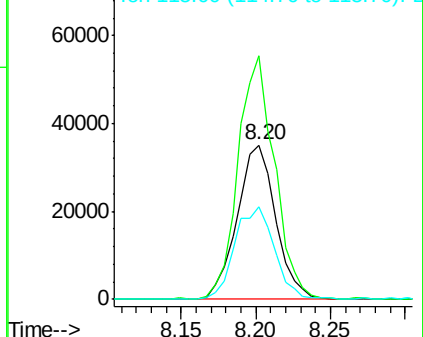
115 59.9 48.1 72.1



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: 75.02 ng

RT: 5.74 min Scan# 494

Delta R.T. 0.01 min

Lab File: BG025505.D

Acq: 13 Jan 2017 6:16

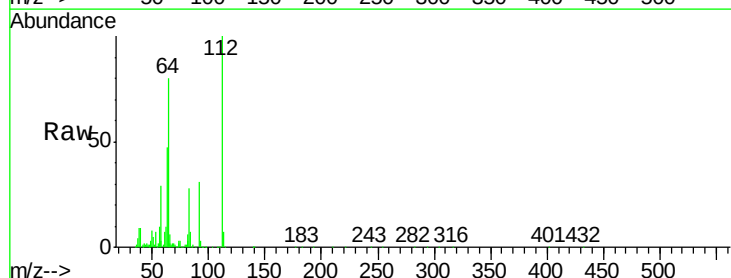
Tgt Ion:112 Resp: 258500

Ion Ratio Lower Upper

112 100

64 79.7 61.8 92.6

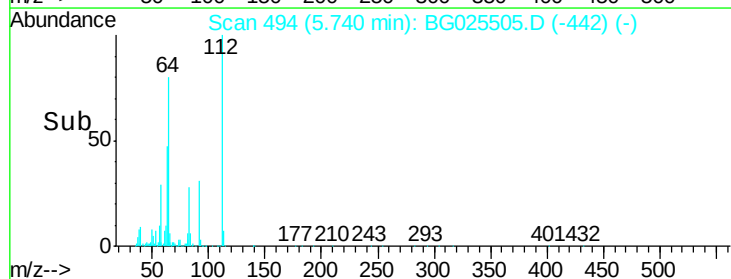
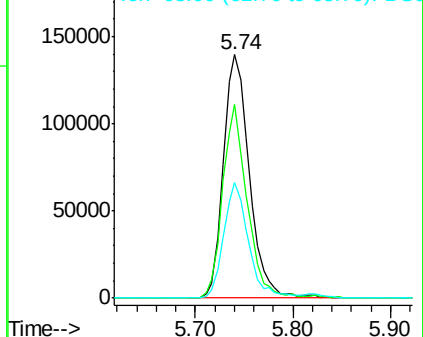
63 47.3 37.2 55.8

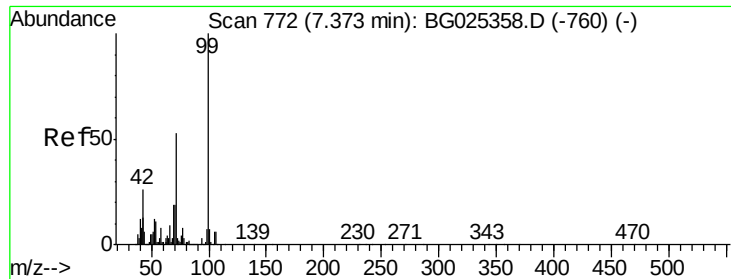


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 45.39 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.01 min

Lab File: BG025505.D

Acq: 13 Jan 2017 6:16

Instrument :

BNA\_G

ClientSampleId :

PW-01

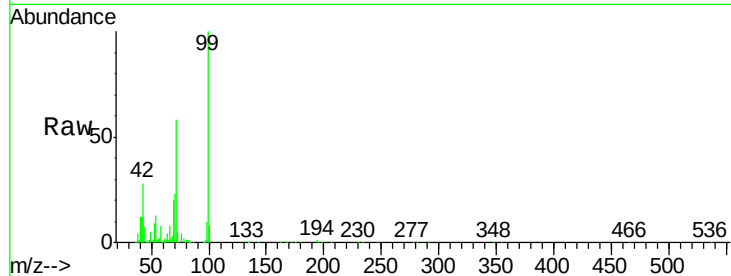
Tgt Ion: 99 Resp: 220240

Ion Ratio Lower Upper

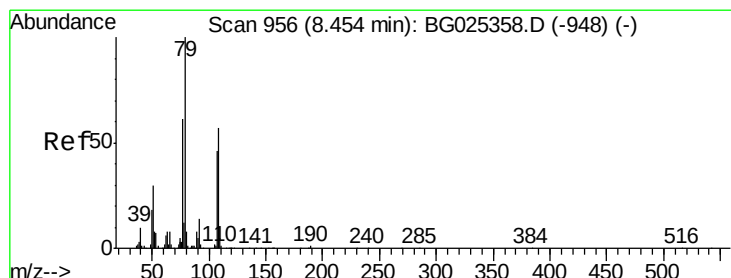
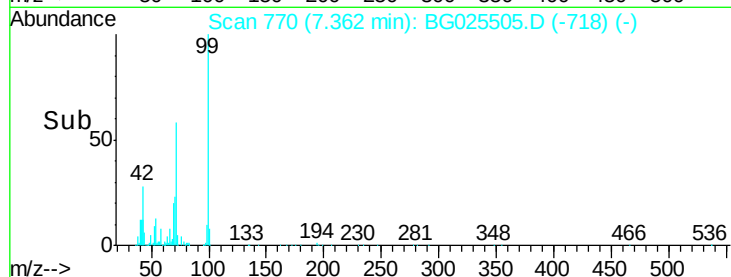
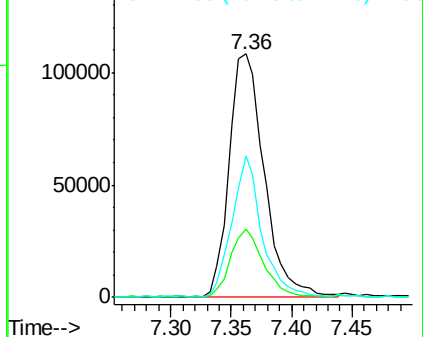
99 100

42 27.8 20.5 30.7

71 58.2 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: 2.58 ng

RT: 8.53 min Scan# 968

Delta R.T. 0.08 min

Lab File: BG025505.D

Acq: 13 Jan 2017 6:16

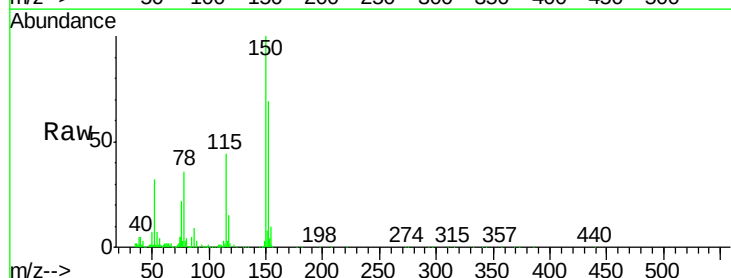
Tgt Ion: 79 Resp: 11956

Ion Ratio Lower Upper

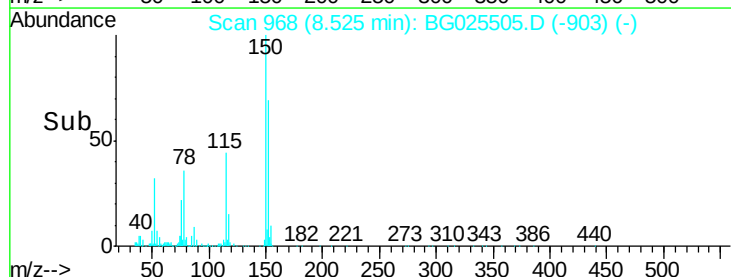
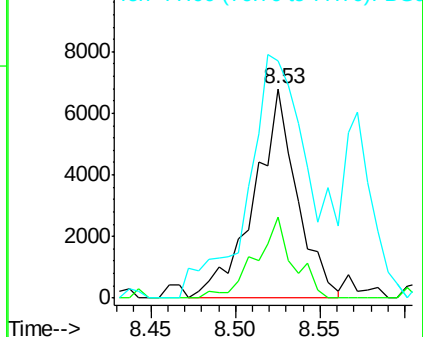
79 100

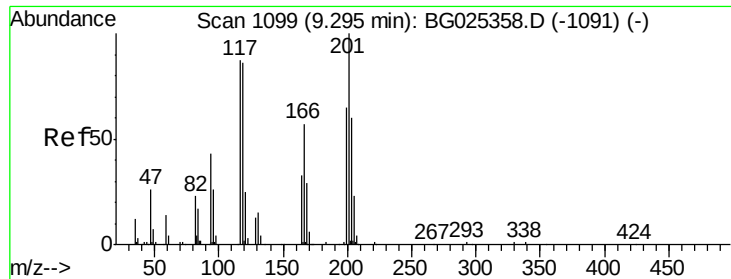
108 47.3 45.5 68.3

77 113.3 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

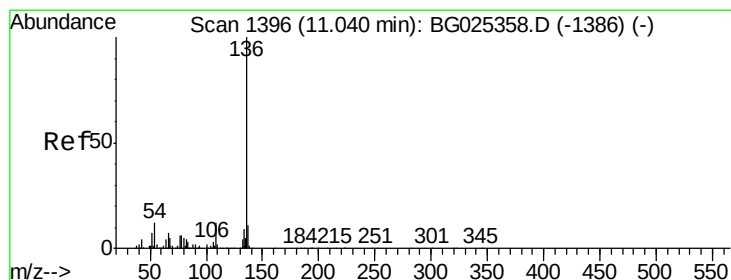
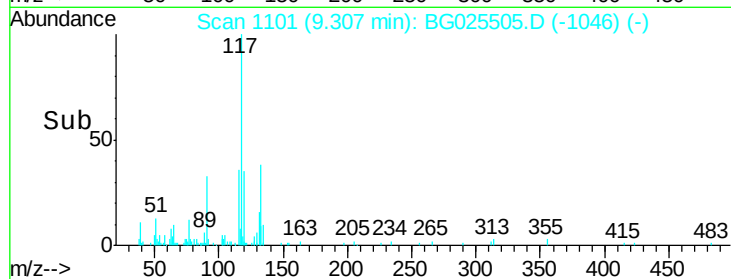
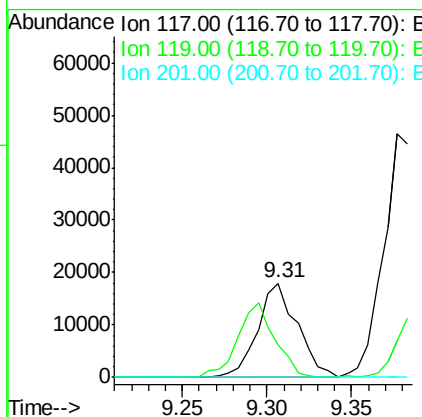
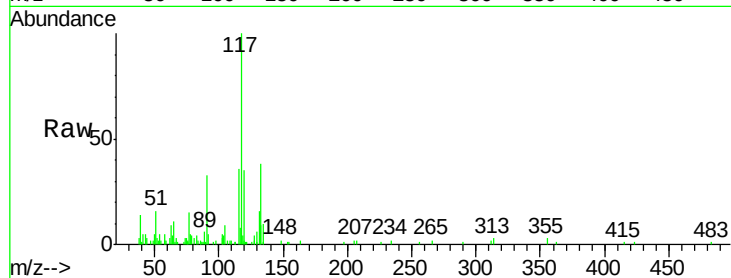




#18  
Hexachloroethane  
Concen: 15.53 ng  
RT: 9.31 min Scan# 1101  
Delta R.T. 0.02 min  
Lab File: BG025505.D  
Acq: 13 Jan 2017 6:16

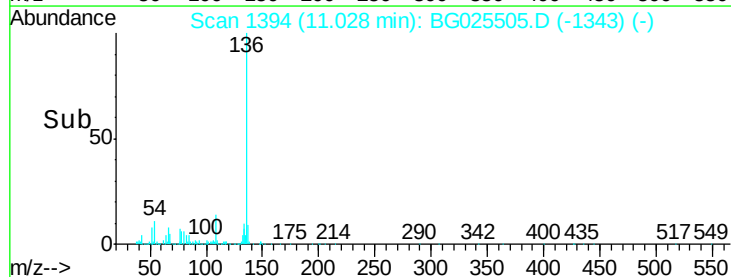
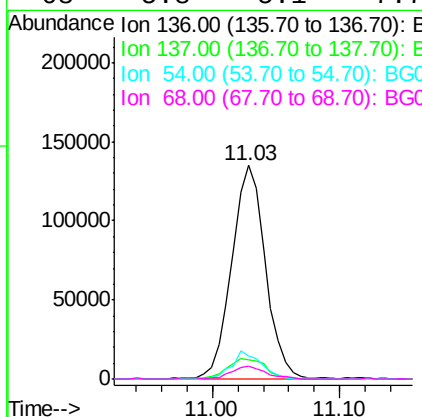
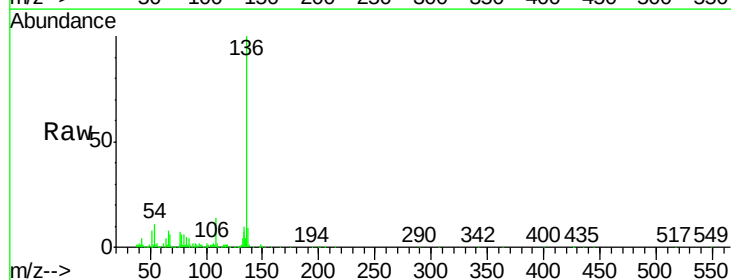
Instrument :  
BNA\_G  
ClientSampleId :  
PW-01

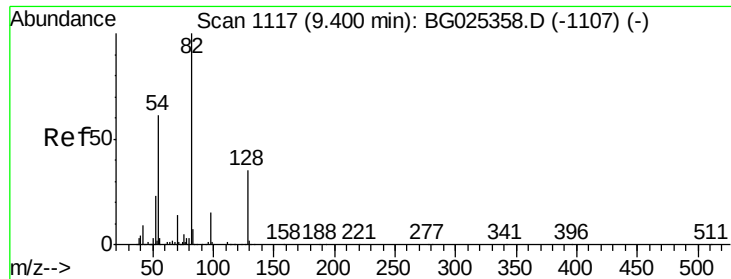
Tgt Ion:117 Resp: 29079  
Ion Ratio Lower Upper  
117 100  
119 34.7 69.8 104.6#  
201 0.0 95.4 143.0#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.03 min Scan# 1394  
Delta R.T. -0.00 min  
Lab File: BG025505.D  
Acq: 13 Jan 2017 6:16

Tgt Ion:136 Resp: 247970  
Ion Ratio Lower Upper  
136 100  
137 9.0 8.9 13.3  
54 10.7 9.3 13.9  
68 5.8 5.1 7.7

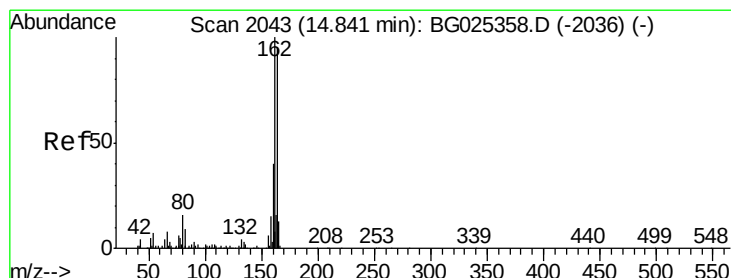
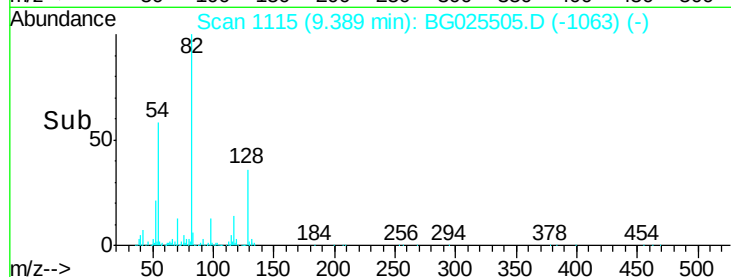
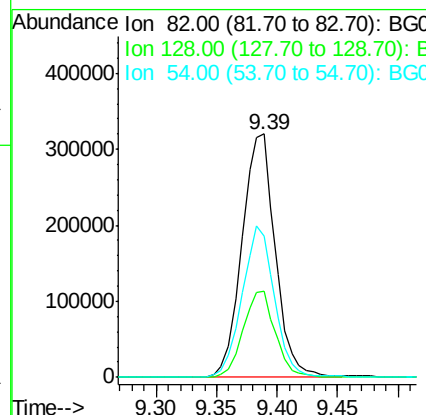
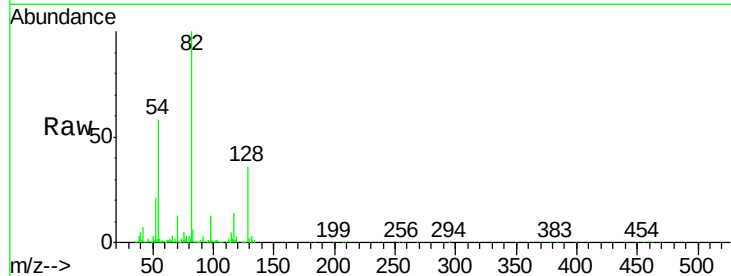




#23  
 Nitrobenzene-d5  
 Concen: 110.23 ng  
 RT: 9.39 min Scan# 1115  
 Delta R.T. 0.01 min  
 Lab File: BG025505.D  
 Acq: 13 Jan 2017 6:16

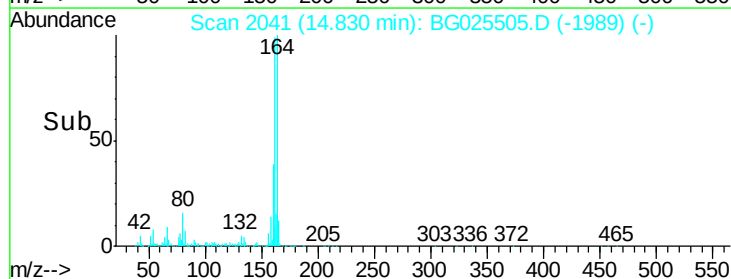
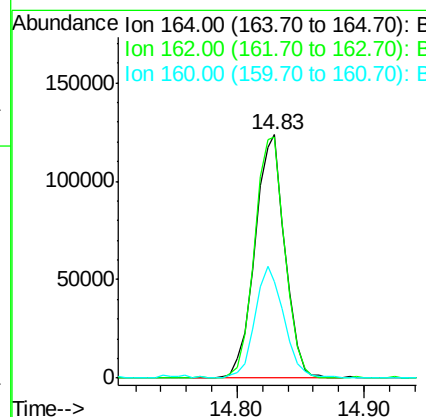
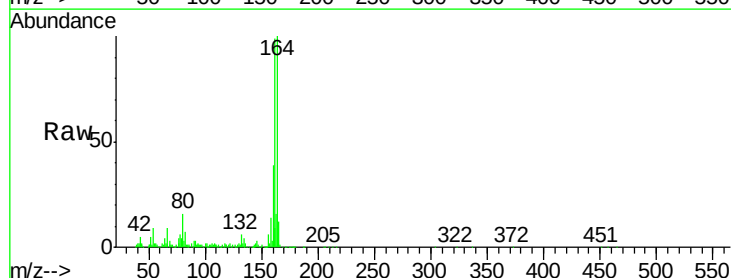
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PW-01

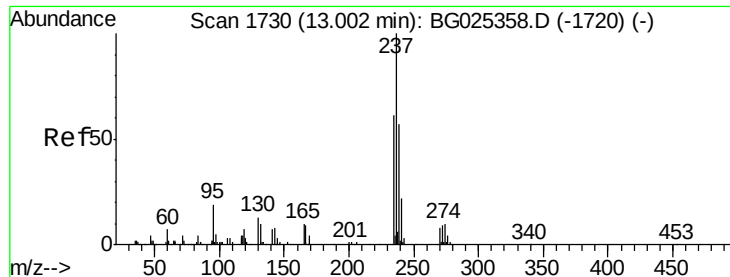
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 35.6  | 26.4  | 39.6  |
| 54      | 58.0  | 49.4  | 74.2  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.83 min Scan# 2041  
 Delta R.T. 0.01 min  
 Lab File: BG025505.D  
 Acq: 13 Jan 2017 6:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.2  | 85.1  | 127.7 |
| 160     | 39.4  | 34.7  | 52.1  |





#40

Hexachlorocyclopentadiene

Concen: 8.53 ng

RT: 12.99 min Scan# 1728

Delta R.T. -0.00 min

Lab File: BG025505.D

Acq: 13 Jan 2017 6:16

Instrument :

BNA\_G

ClientSampleId :

PW-01

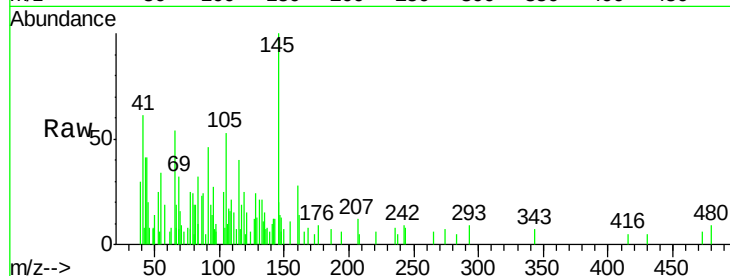
Tgt Ion: 237 Resp: 60

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

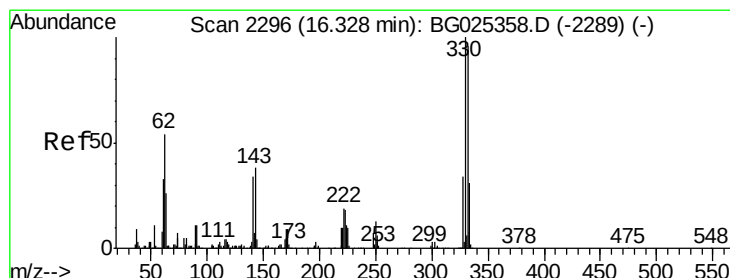
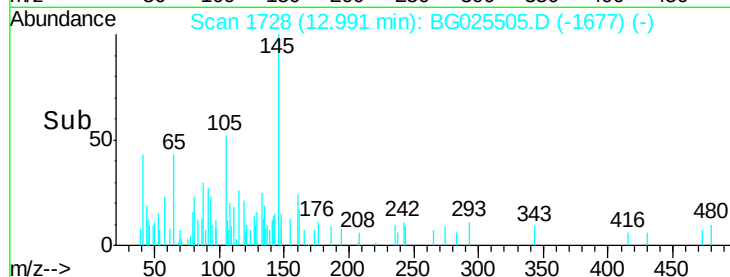
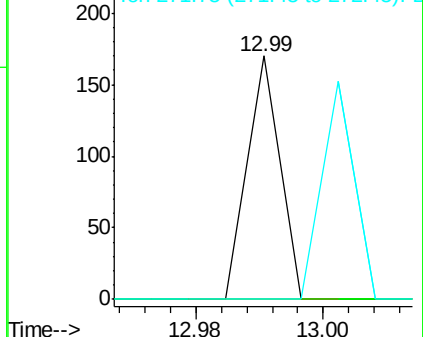
272 0.0 0.0 32.0



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: 166.92 ng

RT: 16.32 min Scan# 2294

Delta R.T. -0.00 min

Lab File: BG025505.D

Acq: 13 Jan 2017 6:16

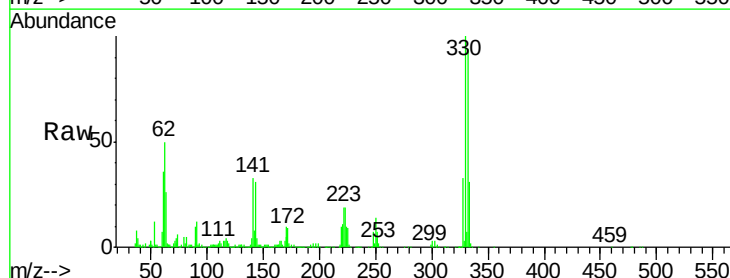
Tgt Ion: 330 Resp: 543940

Ion Ratio Lower Upper

330 100

332 94.0 77.3 115.9

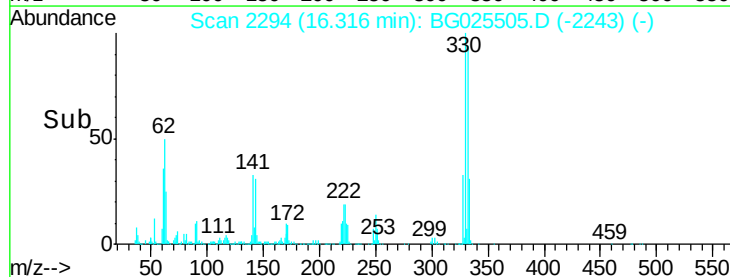
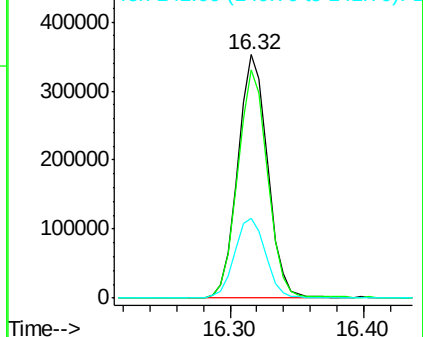
141 34.1 32.1 48.1

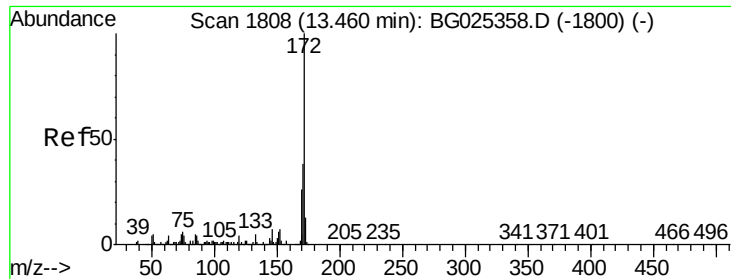


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

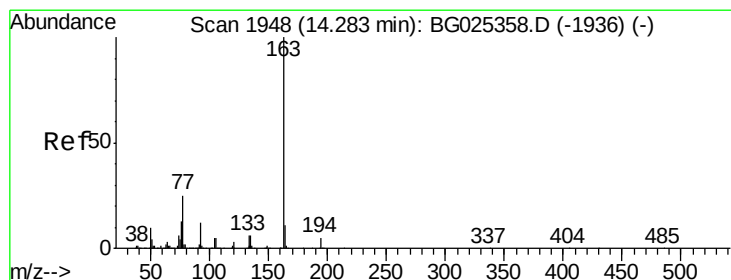
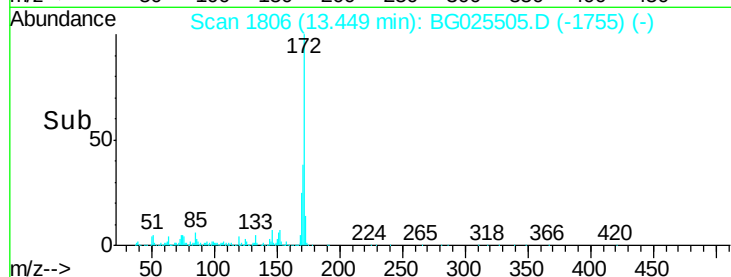
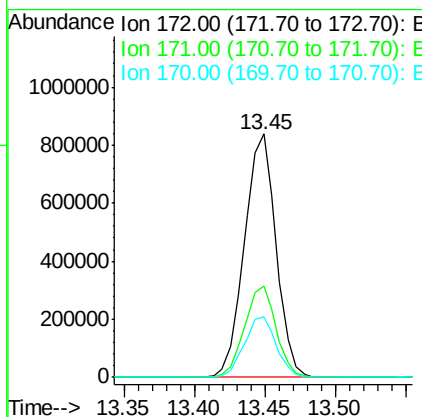
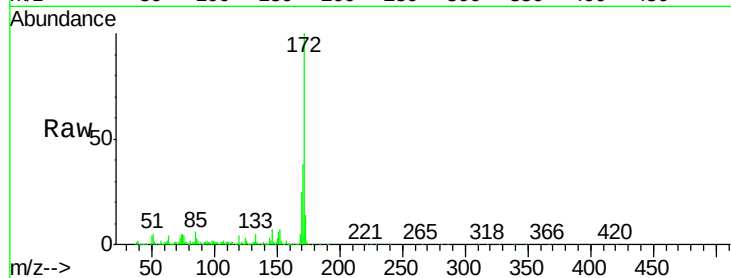




#44  
2-Fluorobiphenyl  
Concen: 105.28 ng  
RT: 13.45 min Scan# 1806  
Delta R.T. -0.00 min  
Lab File: BG025505.D  
Acq: 13 Jan 2017 6:16

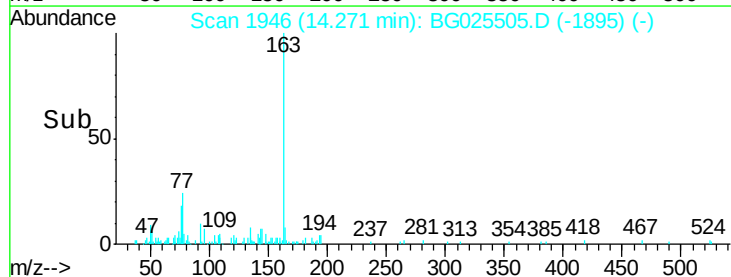
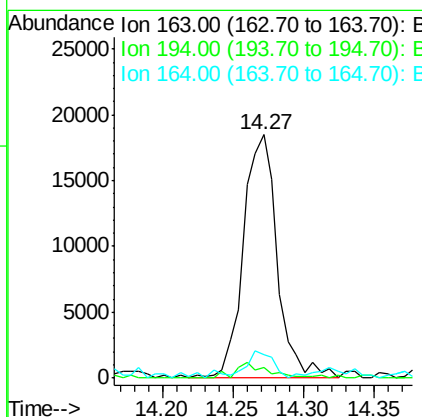
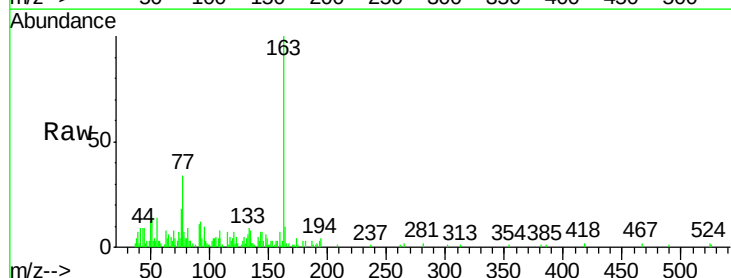
Instrument :  
BNA\_G  
ClientSampled :  
PW-01

Tgt Ion:172 Resp: 1316189  
Ion Ratio Lower Upper  
172 100  
171 37.7 32.2 48.2  
170 24.8 21.8 32.6

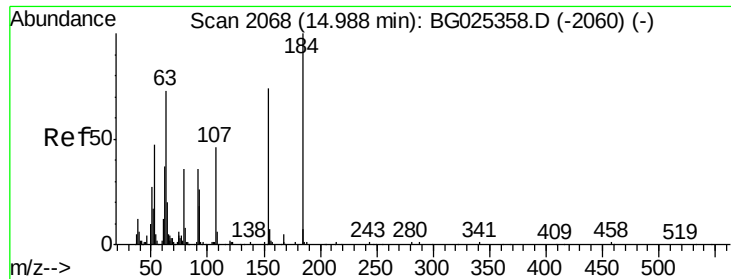


#49  
Dimethylphthalate  
Concen: 2.11 ng  
RT: 14.27 min Scan# 1946  
Delta R.T. -0.00 min  
Lab File: BG025505.D  
Acq: 13 Jan 2017 6:16

Tgt Ion:163 Resp: 31204  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.8 5.6  
164 9.8 9.3 13.9



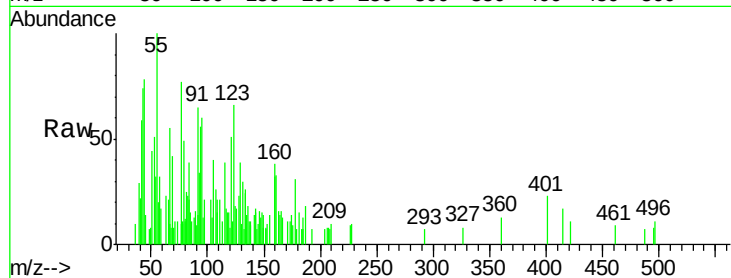




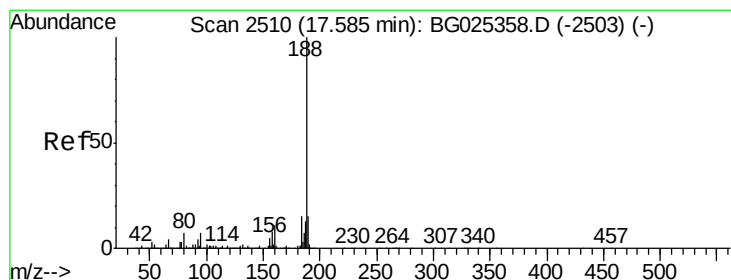
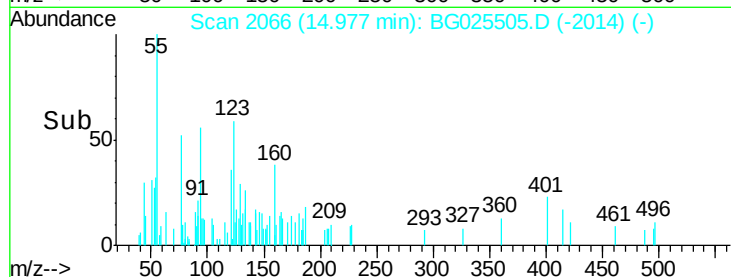
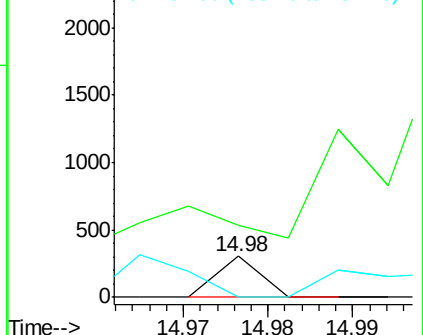
#53  
2,4-Dinitrophenol  
Concen: 5.13 ng  
RT: 14.98 min Scan# 2066  
Delta R.T. 0.01 min  
Lab File: BG025505.D  
Acq: 13 Jan 2017 6:16

Instrument :  
BNA\_G  
ClientSampleId :  
PW-01

Tgt Ion:184 Resp: 108  
Ion Ratio Lower Upper  
184 100  
63 175.5 52.7 79.1#  
154 0.0 57.3 85.9#

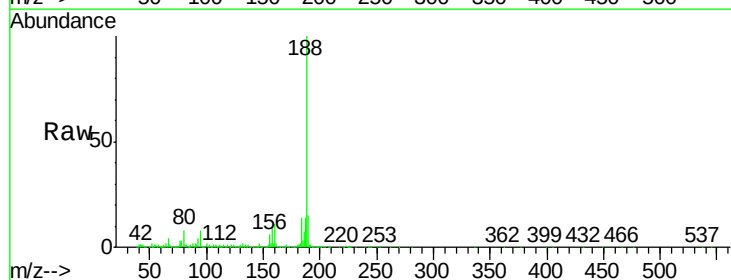


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 154.00 (153.70 to 154.70): E

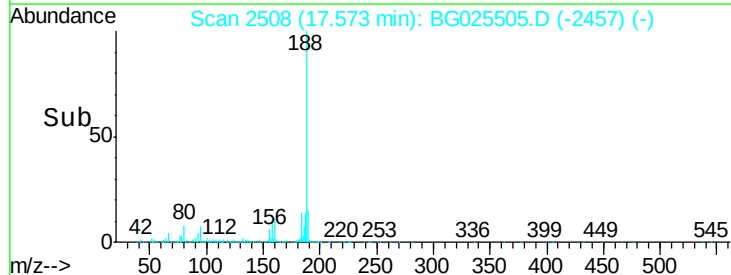
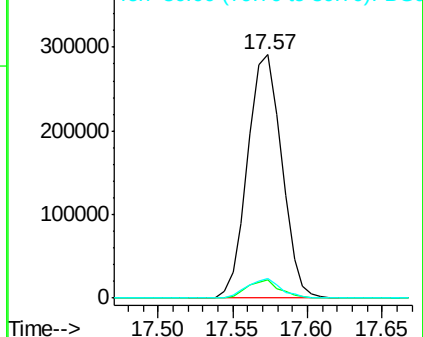


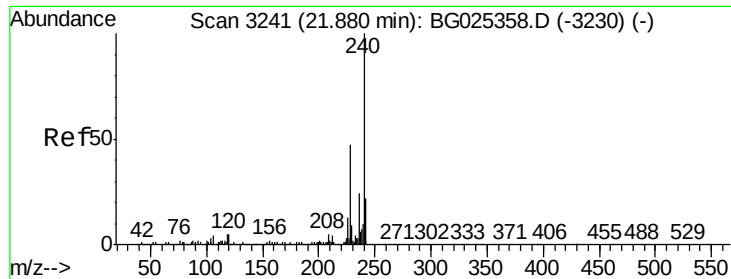
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.57 min Scan# 2508  
Delta R.T. -0.00 min  
Lab File: BG025505.D  
Acq: 13 Jan 2017 6:16

Tgt Ion:188 Resp: 460616  
Ion Ratio Lower Upper  
188 100  
94 7.6 5.8 8.8  
80 8.1 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: BG025505.D

Acq: 13 Jan 2017 6:16

Instrument :

BNA\_G

ClientSampled :

PW-01

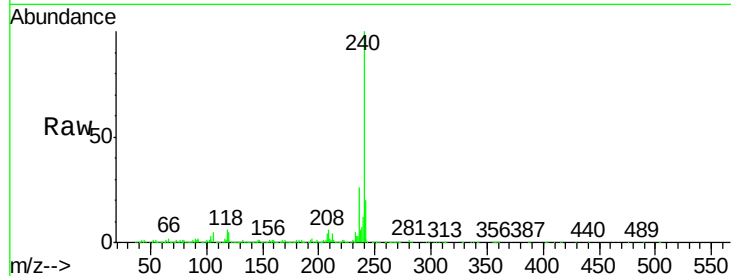
Tgt Ion:240 Resp: 649664

Ion Ratio Lower Upper

240 100

120 5.3 5.7 8.5#

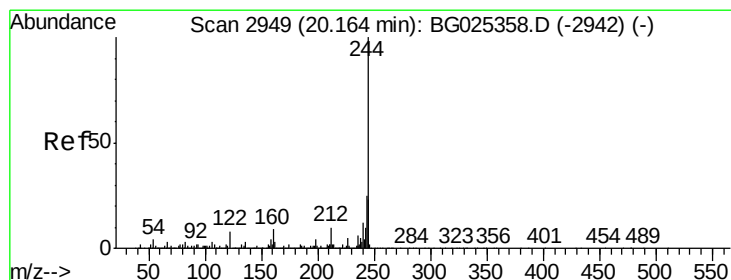
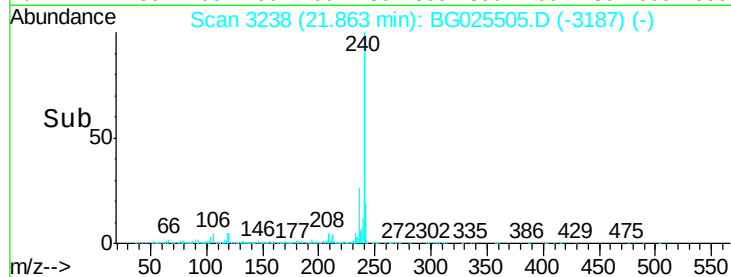
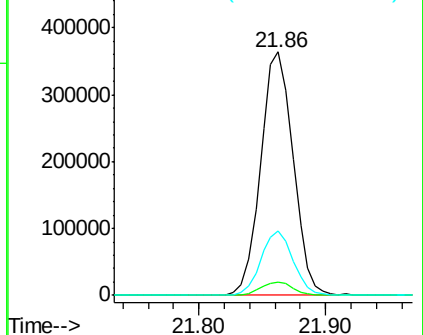
236 26.2 22.2 33.4



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: 99.23 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG025505.D

Acq: 13 Jan 2017 6:16

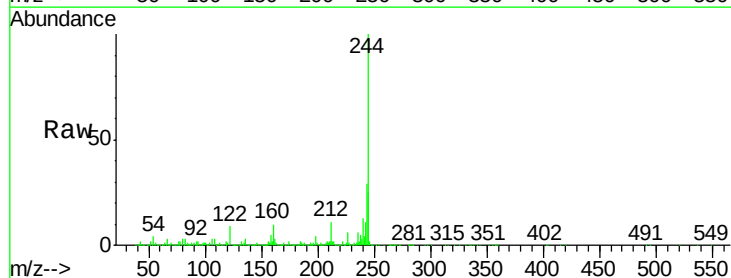
Tgt Ion:244 Resp: 2431267

Ion Ratio Lower Upper

244 100

212 10.8 10.0 15.0

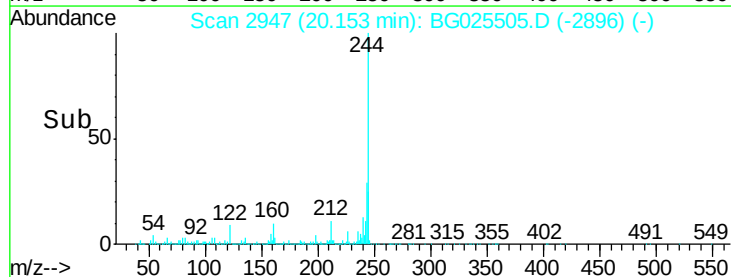
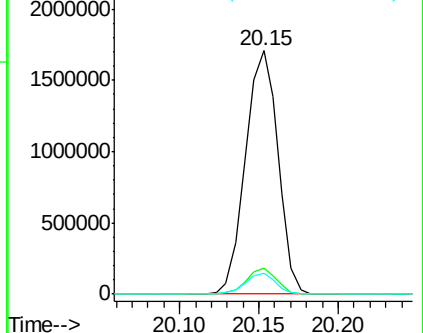
122 8.5 8.6 12.8#

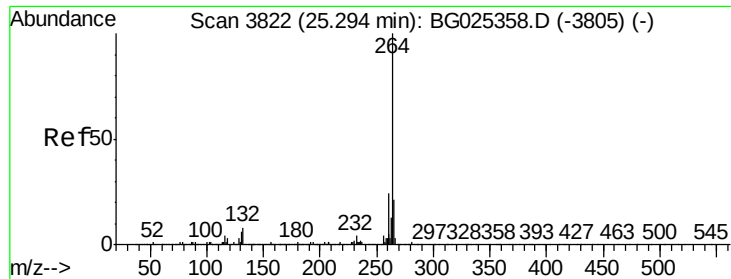


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3816  
Delta R.T. -0.01 min  
Lab File: BG025505.D  
Acq: 13 Jan 2017 6:16

Instrument :  
BNA\_G  
ClientSampleId :  
PW-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.6  | 21.8  | 32.8# |
| 265     | 22.9  | 18.2  | 27.4  |

