

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG082818\  
 Data File : BG036463.D  
 Acq On : 28 Aug 2018 18:19  
 Operator : JU/SJ  
 Sample : PB112432BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB112432BL

Quant Time: Aug 29 01:06:19 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 23 12:07:02 2018  
 Response via : Initial Calibration

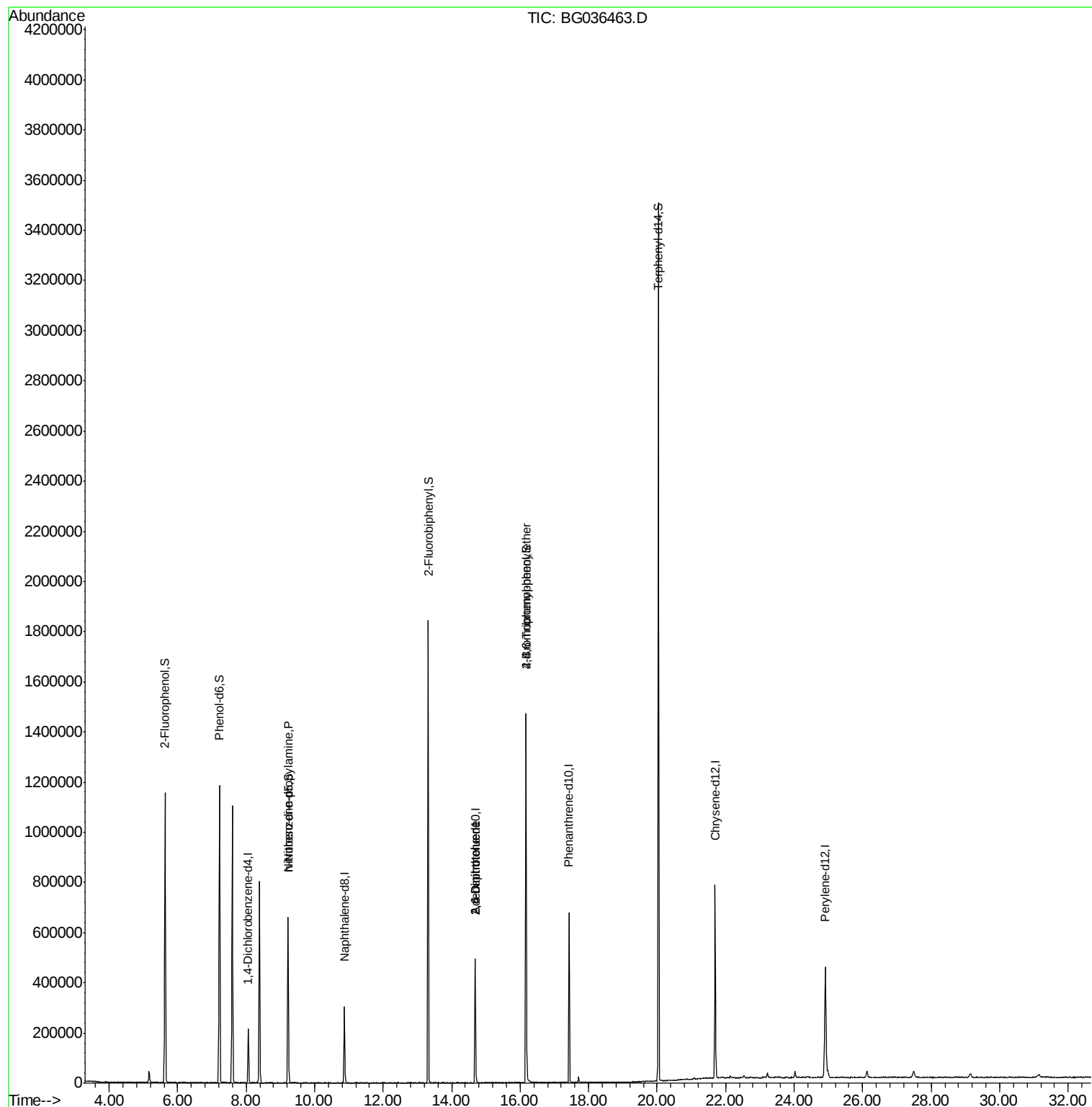
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.06  | 152  | 62262    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 10.87 | 136  | 259271   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 14.69 | 164  | 172350   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 17.43 | 188  | 440119   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 21.69 | 240  | 476859   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 24.91 | 264  | 475833   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.63  | 112  | 491349   | 125.18 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.22  | 99   | 693832   | 123.47 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.22  | 82   | 401517   | 84.02  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 16.17 | 330  | 275916   | 134.17 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 13.31 | 172  | 976446   | 80.89  | ng    | -0.01    |
| 78) Terphenyl-d14              | 20.04 | 244  | 1657283  | 81.23  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.22  | 70   | 53230    | 12.674 | ng    | # 69     |
| 50) 2,6-Dinitrotoluene         | 14.68 | 165  | 21486    | 7.419  | ng    | # 21     |
| 56) 2,4-Dinitrotoluene         | 14.68 | 165  | 21486    | 5.693  | ng    | # 19     |
| 66) 4-Bromophenyl-phenylether  | 16.17 | 248  | 19911    | 3.864  | ng    | # 1      |

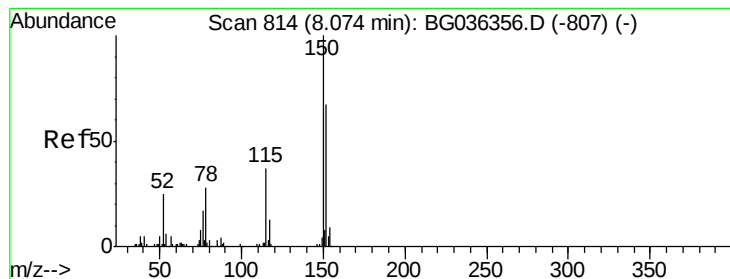
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG082818\  
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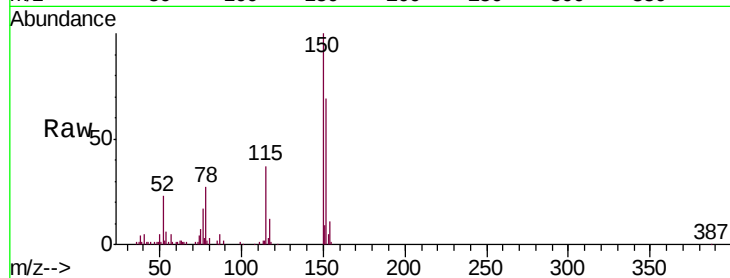


#1

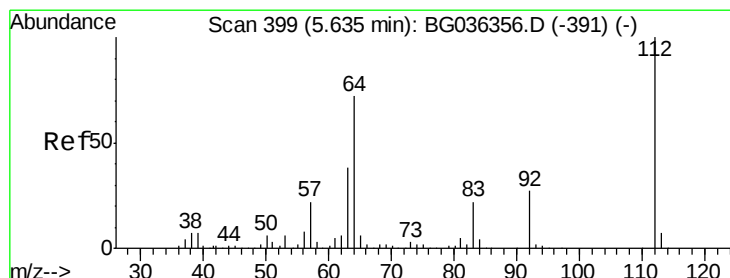
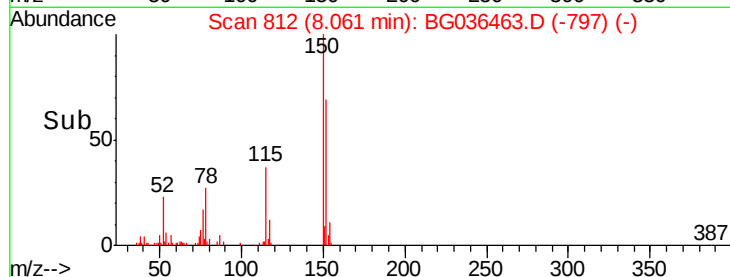
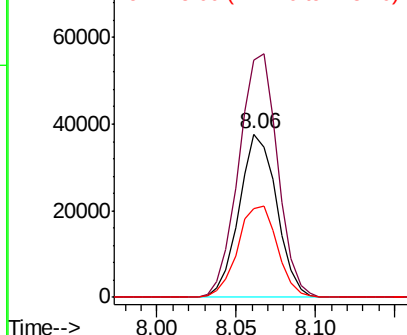
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BG036463.D  
Acq: 28 Aug 2018 18:19

Instrument :  
BNA\_G  
ClientSampleId :  
PB112432BL

Tgt Ion:152 Resp: 62262  
Ion Ratio Lower Upper  
152 100  
150 144.7 119.5 179.3  
115 54.2 44.5 66.7



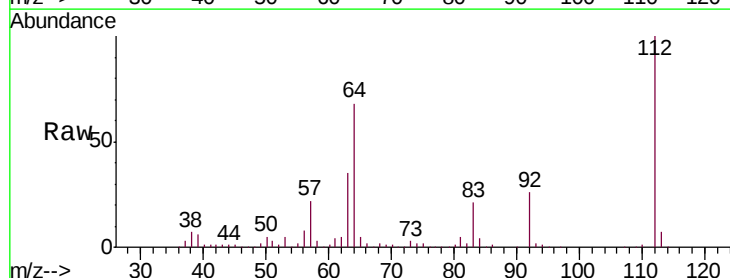
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



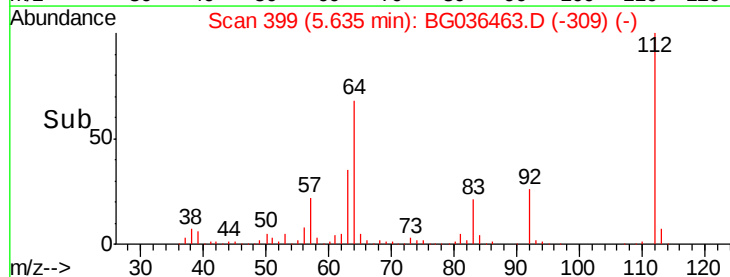
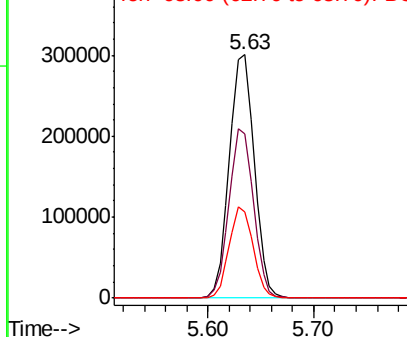
#5

2-Fluorophenol  
Concen: 125.185 ng  
RT: 5.63 min Scan# 399  
Delta R.T. -0.00 min  
Lab File: BG036463.D  
Acq: 28 Aug 2018 18:19

Tgt Ion:112 Resp: 491349  
Ion Ratio Lower Upper  
112 100  
64 67.5 57.2 85.8  
63 35.2 30.8 46.2



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 123.466 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036463.D

Acq: 28 Aug 2018 18:19

Instrument :

BNA\_G

ClientSampled :

PB112432BL

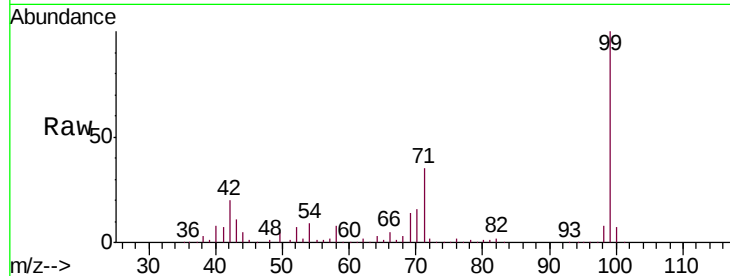
Tgt Ion: 99 Resp: 693832

Ion Ratio Lower Upper

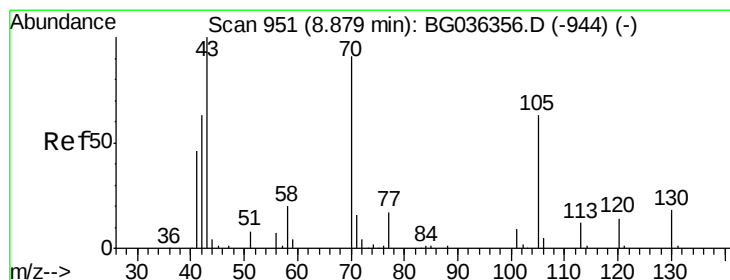
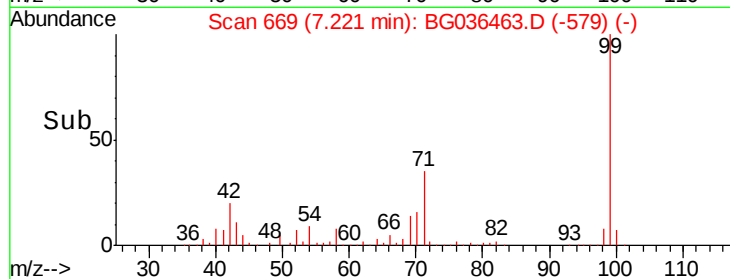
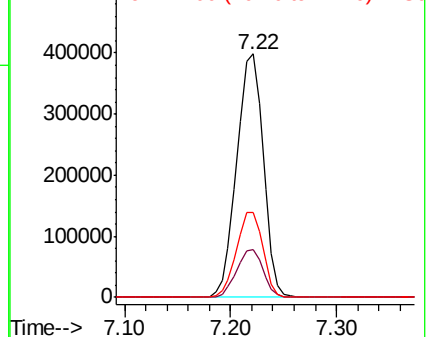
99 100

42 19.5 16.5 24.7

71 35.1 29.4 44.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.674 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.34 min

Lab File: BG036463.D

Acq: 28 Aug 2018 18:19

Tgt Ion: 70 Resp: 53230

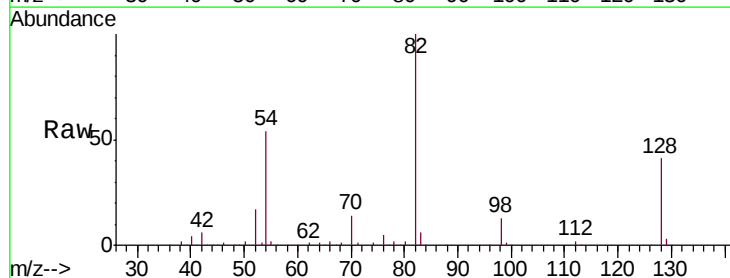
Ion Ratio Lower Upper

70 100

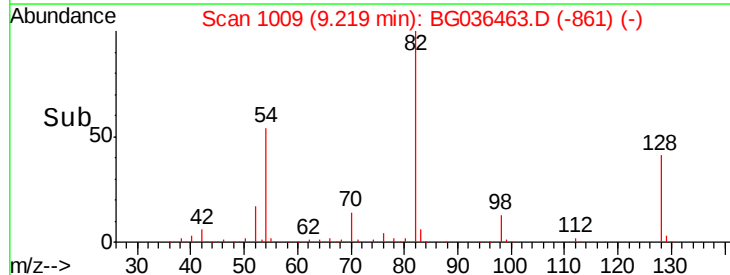
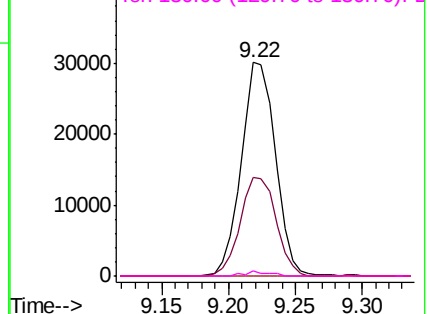
42 46.3 56.2 84.4#

101 0.0 7.8 11.6#

130 2.3 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

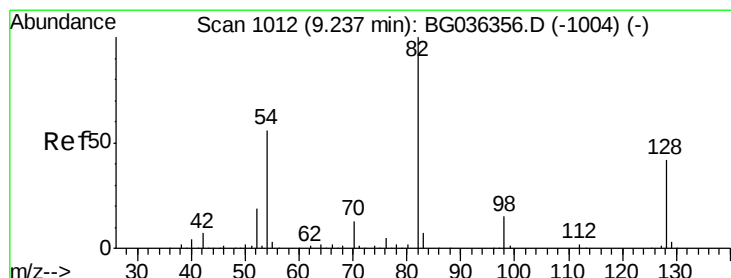
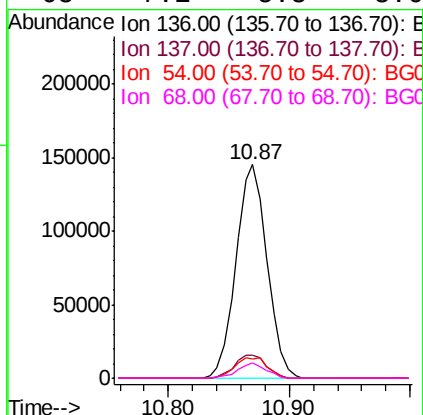
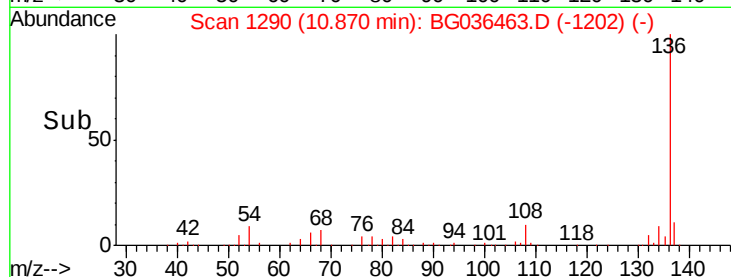
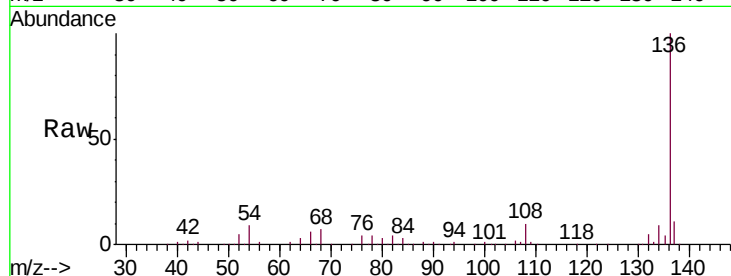




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1290  
Delta R.T. -0.01 min  
Lab File: BG036463.D  
Acq: 28 Aug 2018 18:19

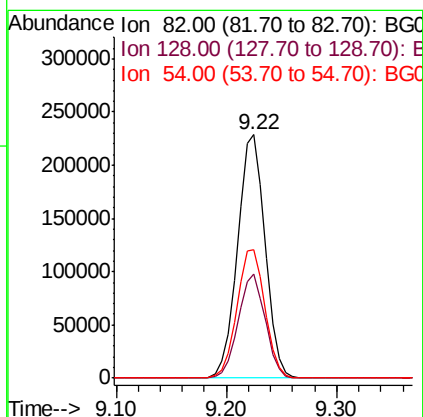
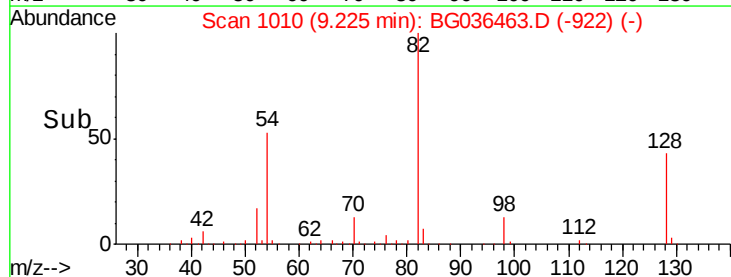
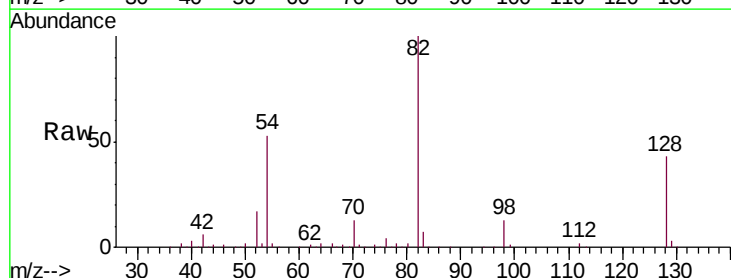
Instrument :  
BNA\_G  
ClientSampleId :  
PB112432BL

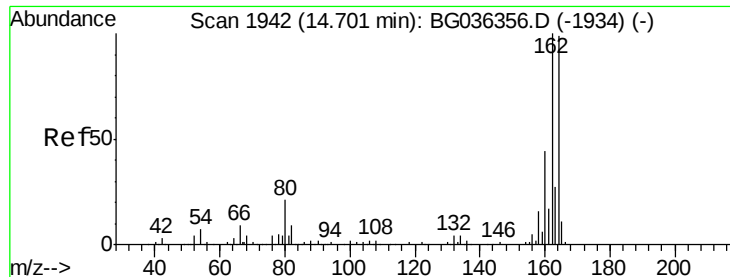
Tgt Ion: 136 Resp: 259271  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.8 13.2  
54 9.1 9.2 13.8#  
68 7.1 5.8 8.6



#23  
Nitrobenzene-d5  
Concen: 84.024 ng  
RT: 9.22 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: BG036463.D  
Acq: 28 Aug 2018 18:19

Tgt Ion: 82 Resp: 401517  
Ion Ratio Lower Upper  
82 100  
128 42.5 33.3 49.9  
54 52.5 45.1 67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG036463.D

Acq: 28 Aug 2018 18:19

Instrument :

BNA\_G

ClientSampleId :

PB112432BL

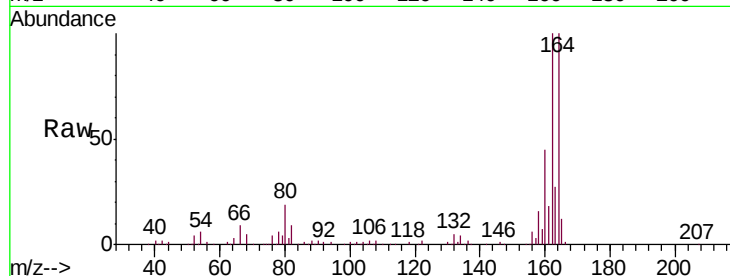
Tgt Ion:164 Resp: 172350

Ion Ratio Lower Upper

164 100

162 99.7 80.7 121.1

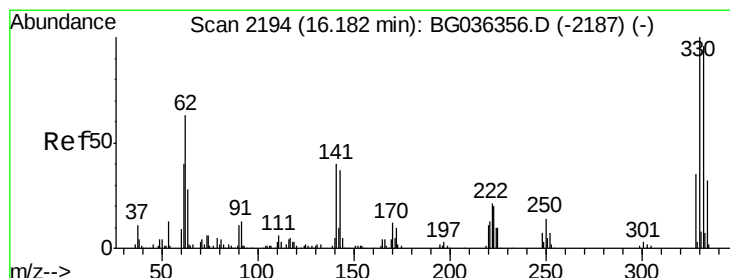
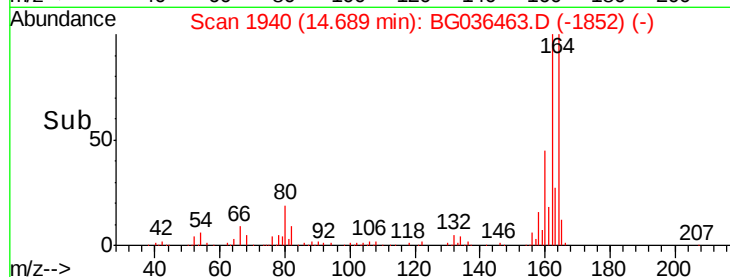
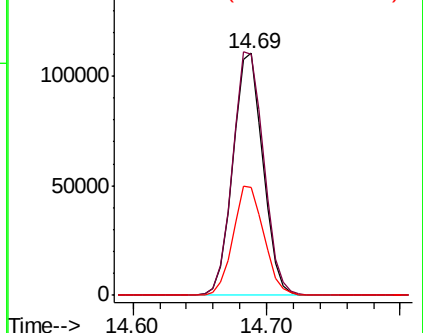
160 44.5 35.3 52.9



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: 134.166 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BG036463.D

Acq: 28 Aug 2018 18:19

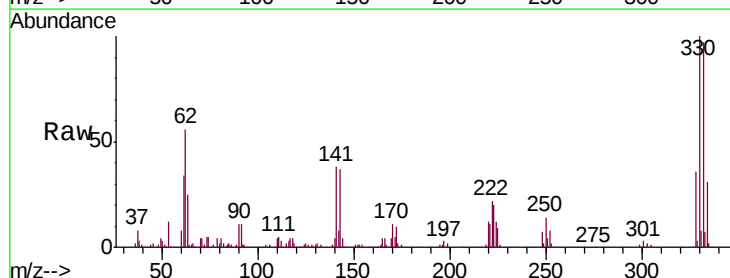
Tgt Ion:330 Resp: 275916

Ion Ratio Lower Upper

330 100

332 94.6 75.4 113.2

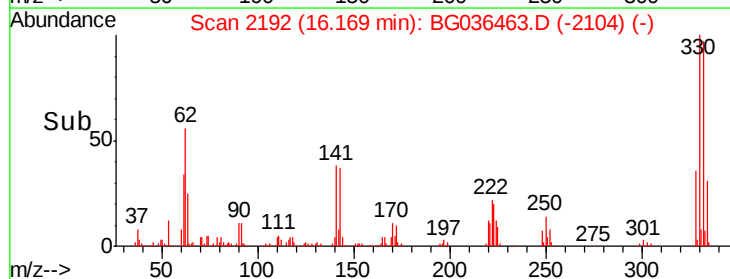
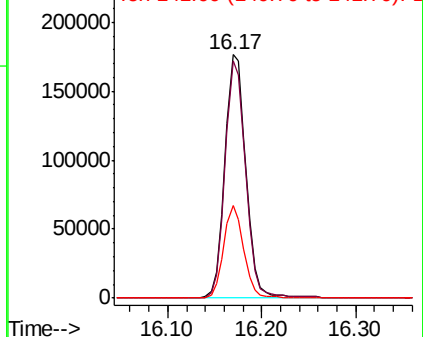
141 36.2 30.7 46.1



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

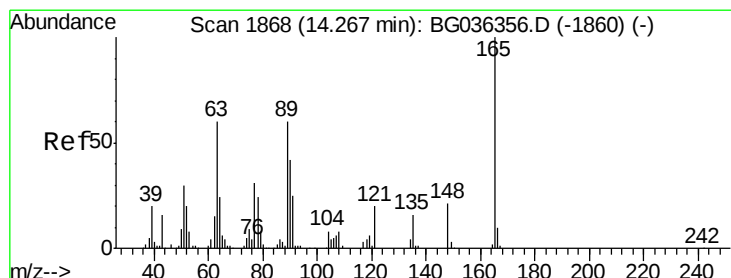
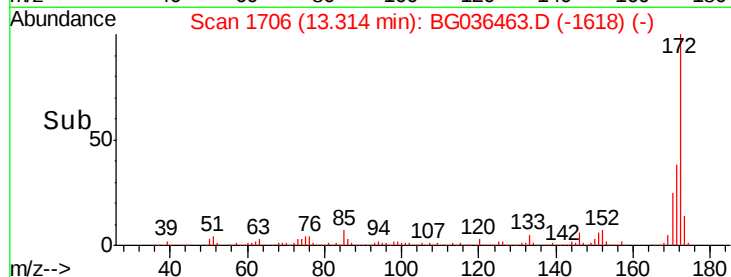
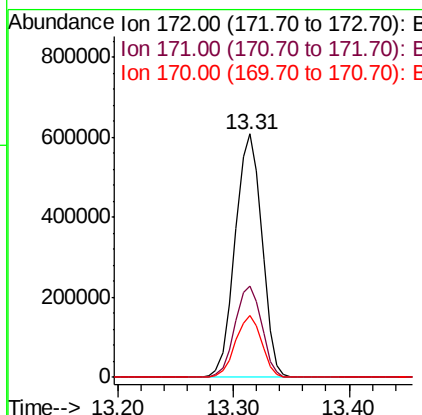
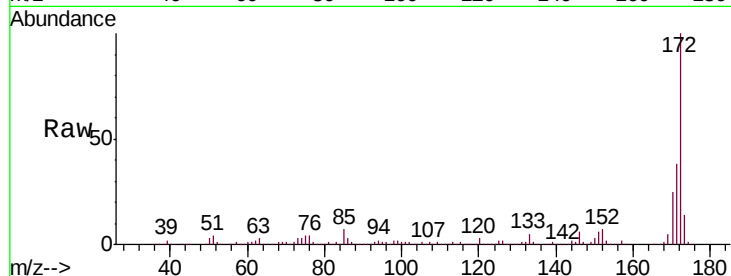




#44  
 2-Fluorobiphenyl  
 Concen: 80.893 ng  
 RT: 13.31 min Scan# 1706  
 Delta R.T. -0.01 min  
 Lab File: BG036463.D  
 Acq: 28 Aug 2018 18:19

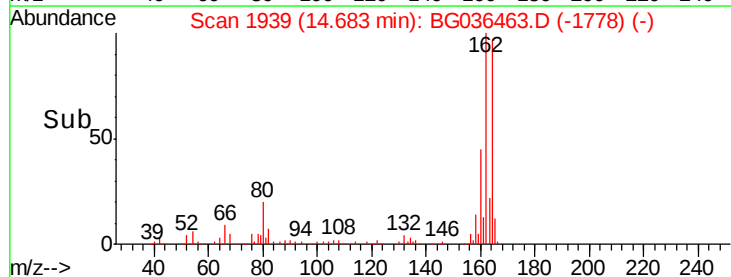
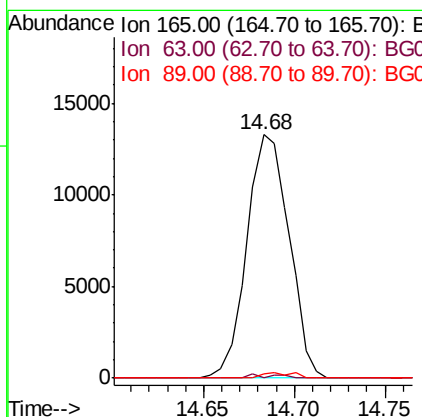
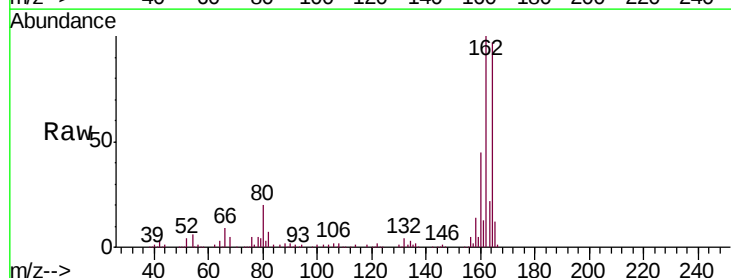
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB112432BL

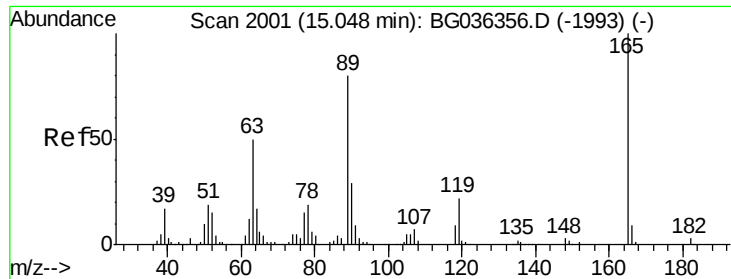
Tgt Ion:172 Resp: 976446  
 Ion Ratio Lower Upper  
 172 100  
 171 37.7 31.3 46.9  
 170 25.5 21.0 31.6



#50  
 2,6-Dinitrotoluene  
 Concen: 7.419 ng  
 RT: 14.68 min Scan# 1939  
 Delta R.T. 0.42 min  
 Lab File: BG036463.D  
 Acq: 28 Aug 2018 18:19

Tgt Ion:165 Resp: 21486  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 50.1 75.1#  
 89 1.9 47.8 71.6#

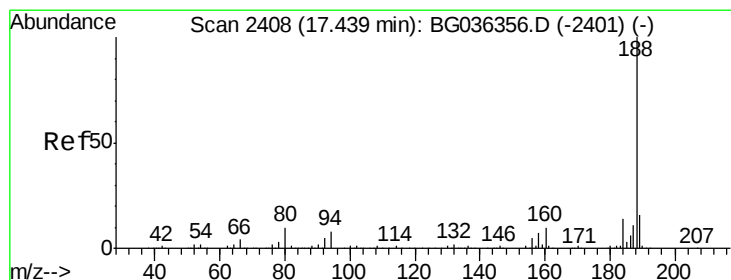
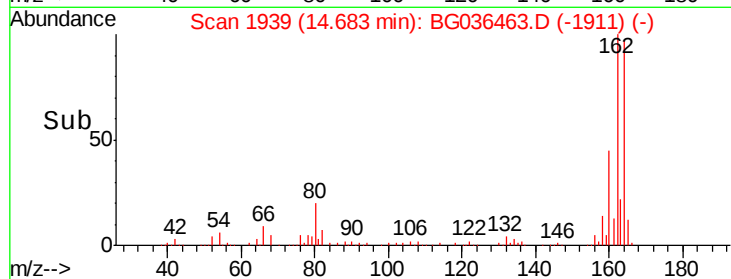
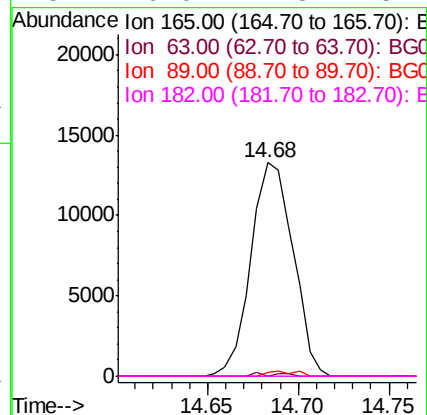
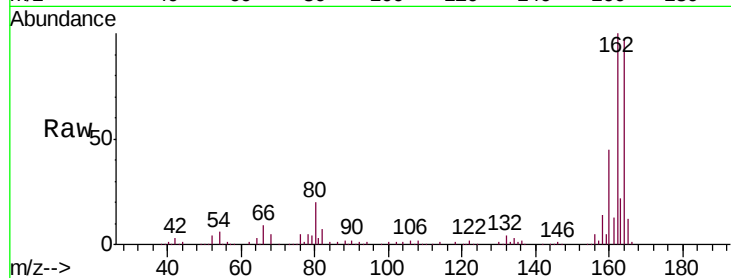




#56  
 2,4-Dinitrotoluene  
 Concen: 5.693 ng  
 RT: 14.68 min Scan# 1939  
 Delta R.T. -0.36 min  
 Lab File: BG036463.D  
 Acq: 28 Aug 2018 18:19

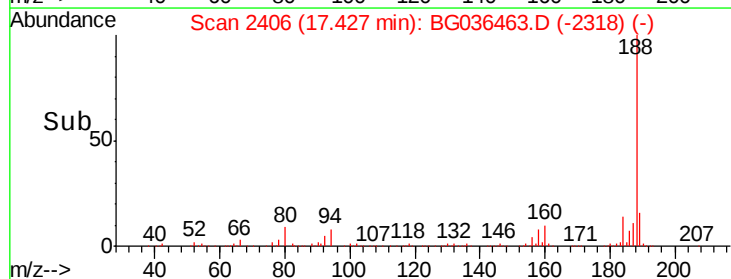
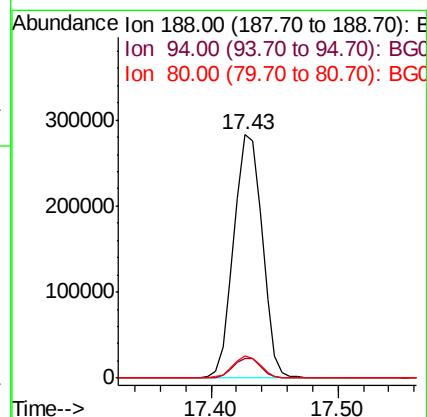
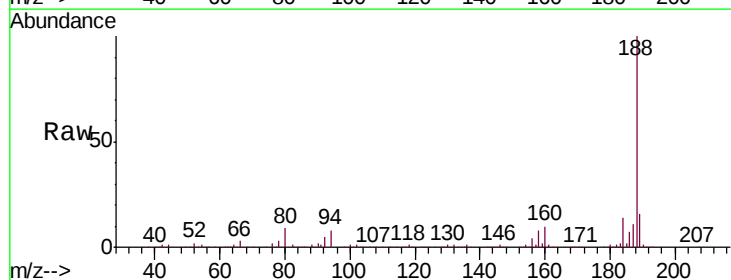
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB112432BL

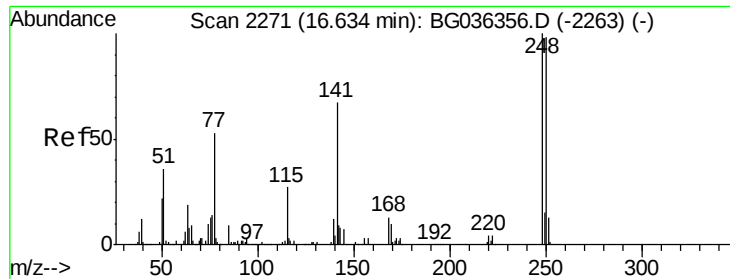
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 40.1  | 60.1# |
| 89      | 1.9   | 63.7  | 95.5# |
| 182     | 0.0   | 2.5   | 3.7#  |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.43 min Scan# 2406  
 Delta R.T. -0.01 min  
 Lab File: BG036463.D  
 Acq: 28 Aug 2018 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.0   | 6.7   | 10.1  |
| 80      | 9.2   | 8.1   | 12.1  |





#66

4-Bromophenyl-phenylether

Concen: 3.864 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.46 min

Lab File: BG036463.D

Acq: 28 Aug 2018 18:19

Instrument :

BNA\_G

ClientSampleId :

PB112432BL

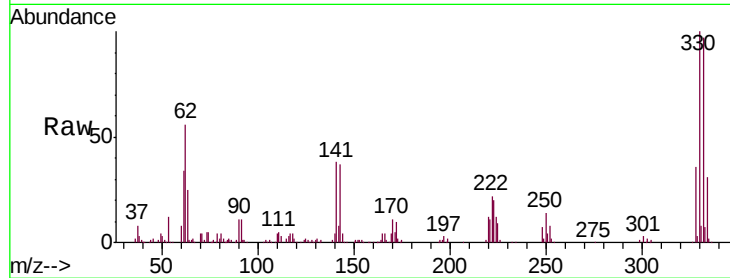
Tgt Ion:248 Resp: 19911

Ion Ratio Lower Upper

248 100

250 191.8 78.1 117.1#

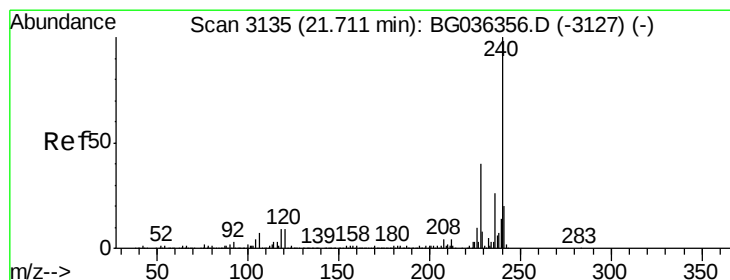
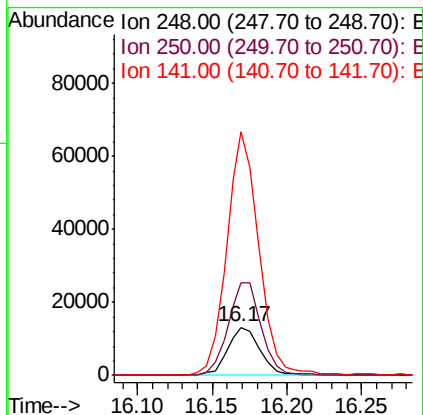
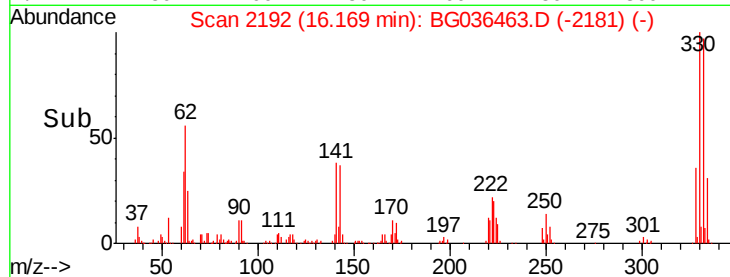
141 506.7 53.7 80.5#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.02 min

Lab File: BG036463.D

Acq: 28 Aug 2018 18:19

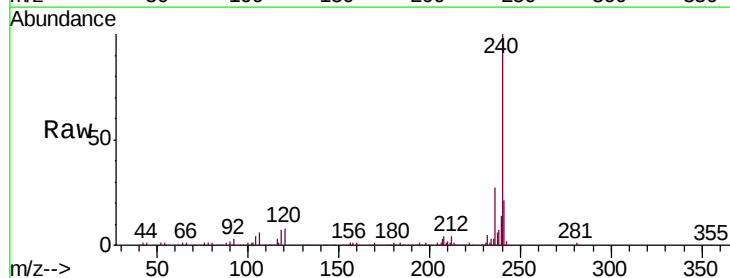
Tgt Ion:240 Resp: 476859

Ion Ratio Lower Upper

240 100

120 8.5 6.9 10.3

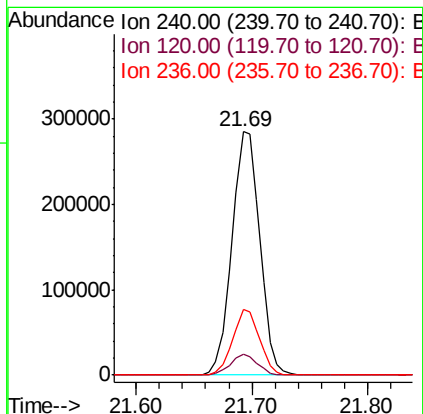
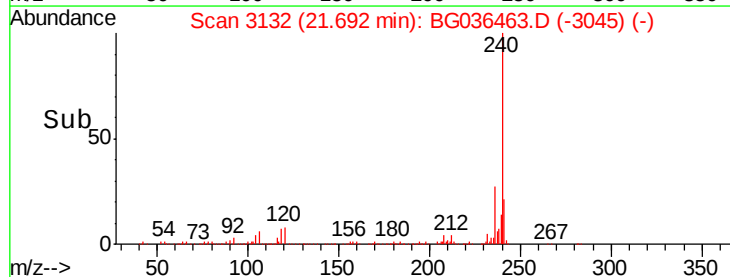
236 27.1 21.2 31.8

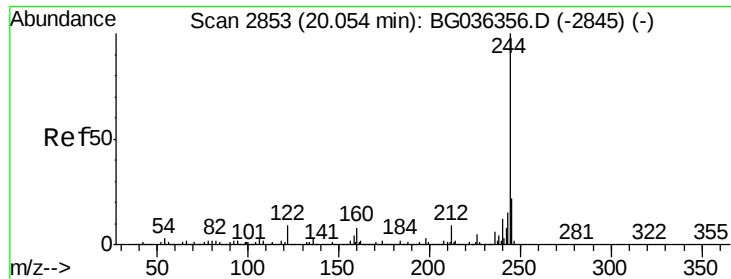


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 81.232 ng

RT: 20.04 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG036463.D

Acq: 28 Aug 2018 18:19

Instrument :

BNA\_G

ClientSampleId :

PB112432BL

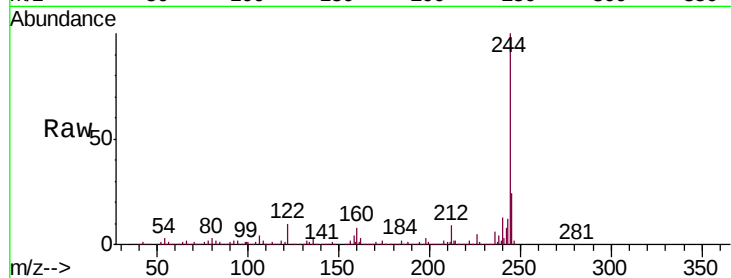
Tgt Ion:244 Resp: 1657283

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

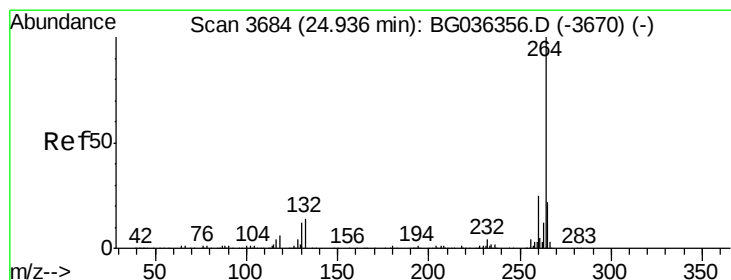
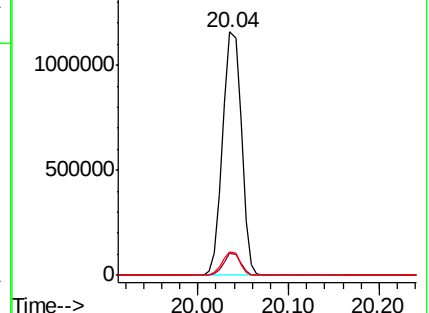
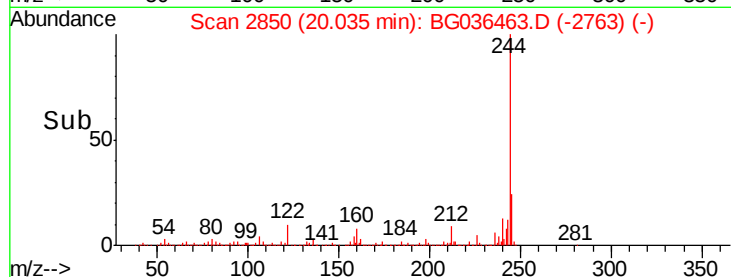
122 9.8 7.1 10.7



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: 20.000 ng

RT: 24.91 min Scan# 3680

Delta R.T. -0.02 min

Lab File: BG036463.D

Acq: 28 Aug 2018 18:19

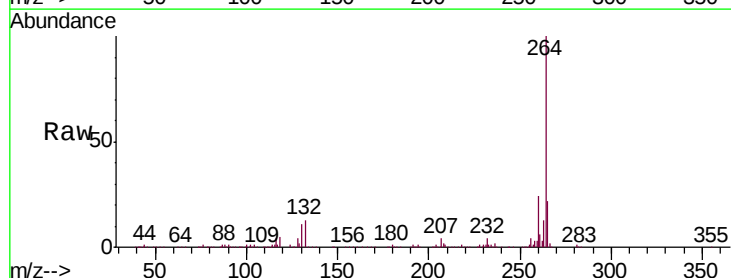
Tgt Ion:264 Resp: 475833

Ion Ratio Lower Upper

264 100

260 23.7 19.6 29.4

265 21.9 17.4 26.0



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

