

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062818\  
 Data File : BG035482.D  
 Acq On : 28 Jun 2018 17:40  
 Operator : JU/SJ  
 Sample : PB110650BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB110650BL

Quant Time: Jun 29 02:36:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 2018  
 Response via : Initial Calibration

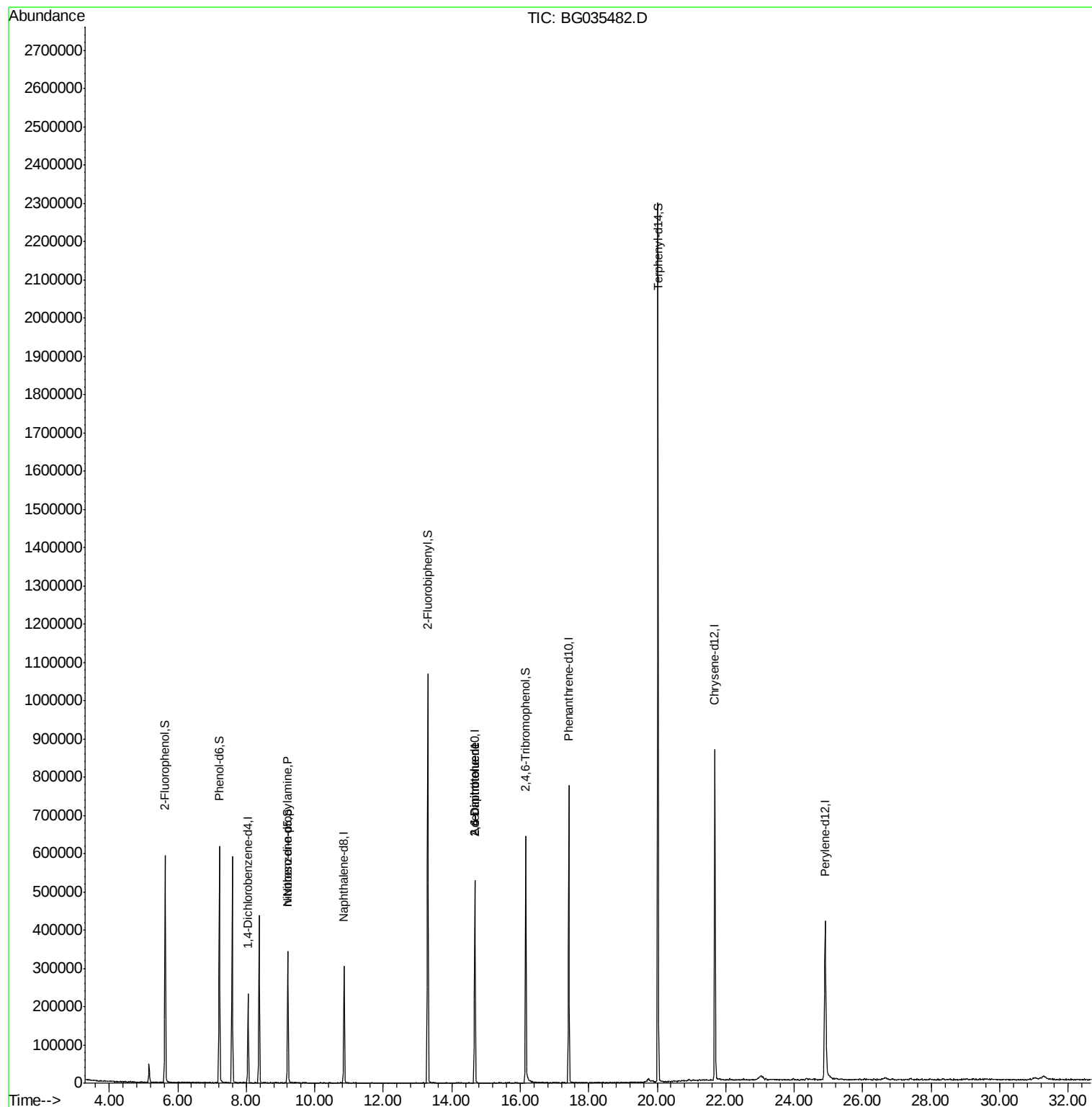
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.05  | 152  | 65597    | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8             | 10.85 | 136  | 257462   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10           | 14.67 | 164  | 185941   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10           | 17.41 | 188  | 504349   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12               | 21.68 | 240  | 562831   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12               | 24.90 | 264  | 519049   | 20.00 | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.63  | 112  | 257286   | 66.19 | ng    | -0.01    |
| 7) Phenol-d6                   | 7.21  | 99   | 384228   | 66.97 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.21  | 82   | 241453   | 44.58 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 16.16 | 330  | 133663   | 56.15 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 13.30 | 172  | 578051   | 40.41 | ng    | -0.03    |
| 78) Terphenyl-d14              | 20.02 | 244  | 1081581  | 40.25 | ng    | -0.03    |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.21  | 70   | 31634    | 6.490 | ng    | # 67     |
| 50) 2,6-Dinitrotoluene         | 14.68 | 165  | 25772    | 8.712 | ng    | # 18     |
| 56) 2,4-Dinitrotoluene         | 14.68 | 165  | 25772    | 6.559 | ng    | # 16     |

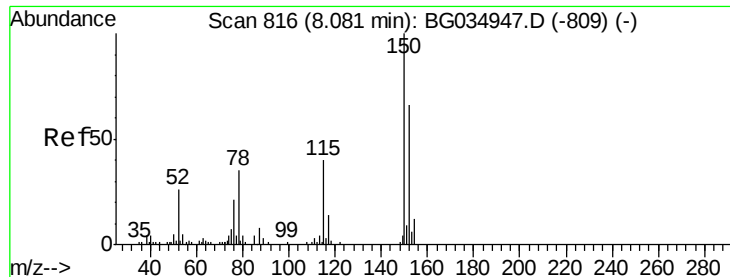
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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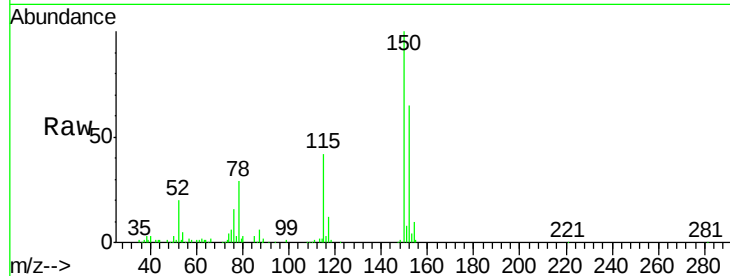


#1

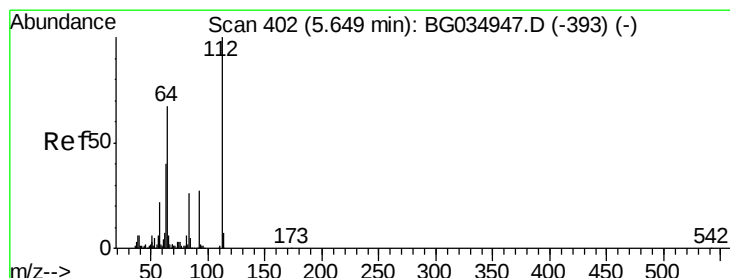
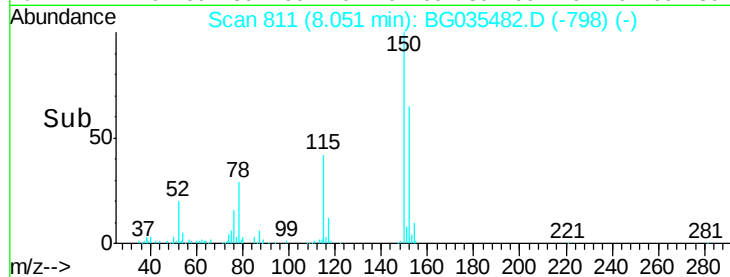
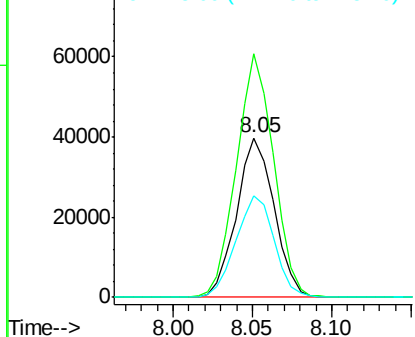
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 811  
Delta R.T. -0.03 min  
Lab File: BG035482.D  
Acq: 28 Jun 2018 17:40

Instrument :  
BNA\_G  
ClientSampleId :  
PB110650BL

Tgt Ion:152 Resp: 65597  
Ion Ratio Lower Upper  
152 100  
150 152.9 126.6 189.8  
115 64.2 53.0 79.4



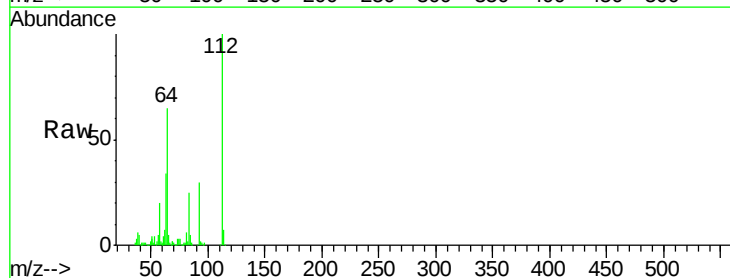
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



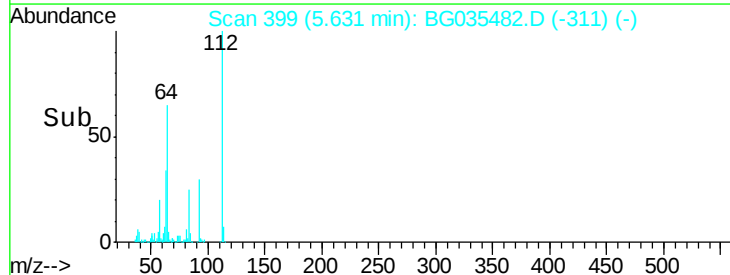
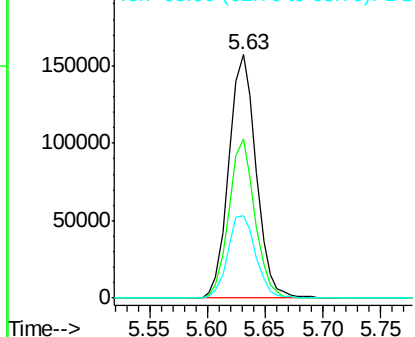
#5

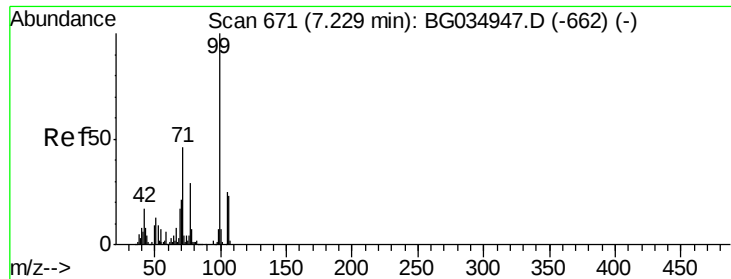
2-Fluorophenol  
Concen: 66.192 ng  
RT: 5.63 min Scan# 399  
Delta R.T. -0.01 min  
Lab File: BG035482.D  
Acq: 28 Jun 2018 17:40

Tgt Ion:112 Resp: 257286  
Ion Ratio Lower Upper  
112 100  
64 65.2 56.3 84.5  
63 33.7 30.1 45.1



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: 66.974 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035482.D

Acq: 28 Jun 2018 17:40

Instrument :

BNA\_G

ClientSampleId :

PB110650BL

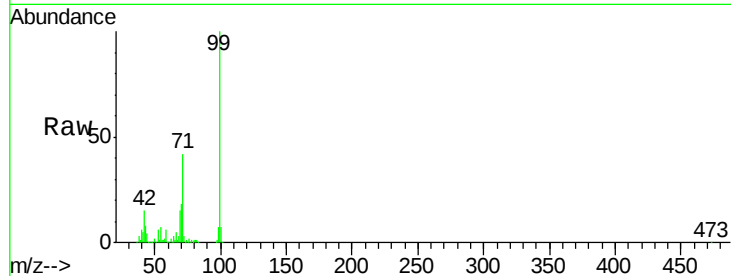
Tgt Ion: 99 Resp: 384228

Ion Ratio Lower Upper

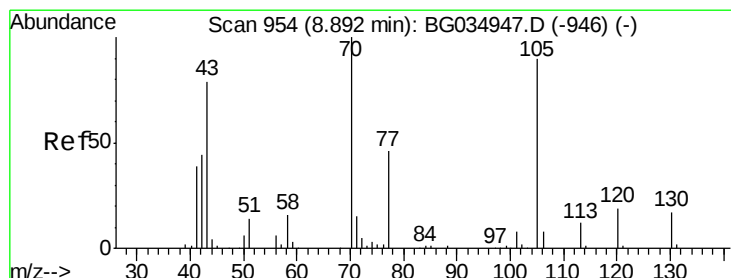
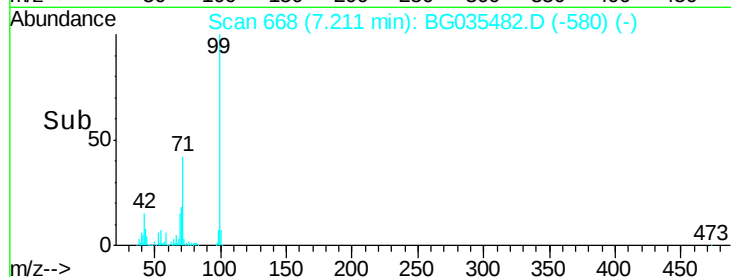
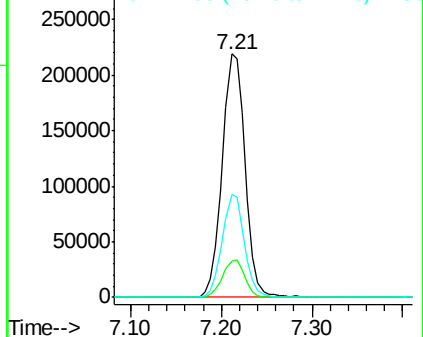
99 100

42 15.0 14.1 21.1

71 42.0 26.1 39.1#



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: 6.490 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.33 min

Lab File: BG035482.D

Acq: 28 Jun 2018 17:40

Tgt Ion: 70 Resp: 31634

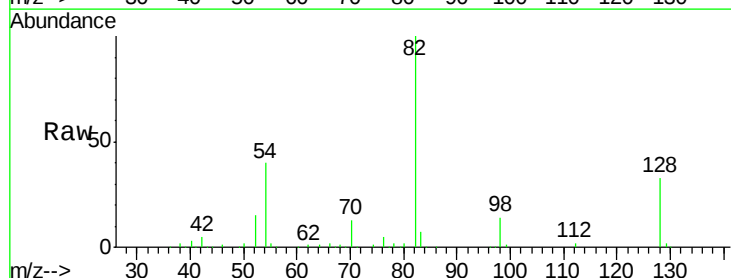
Ion Ratio Lower Upper

70 100

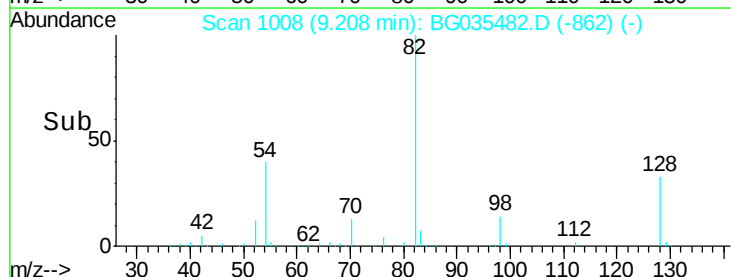
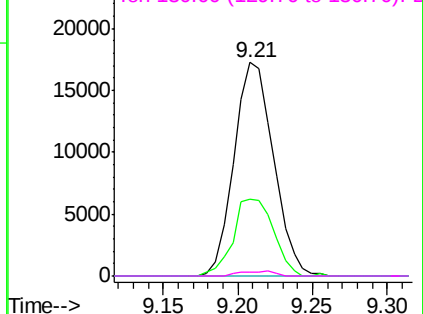
42 36.0 49.1 73.7#

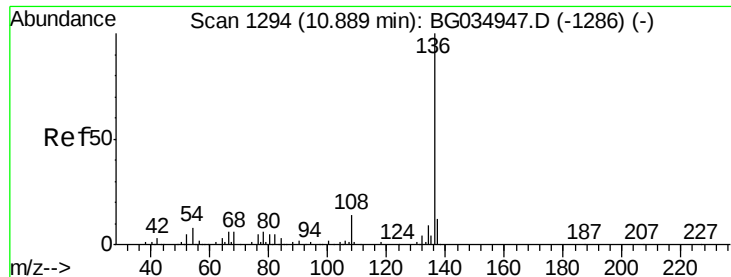
101 0.0 8.5 12.7#

130 1.6 13.4 20.0#



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

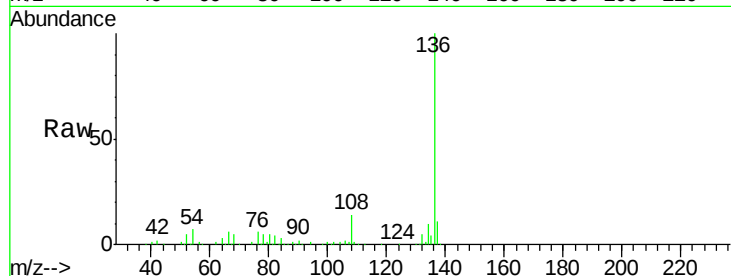




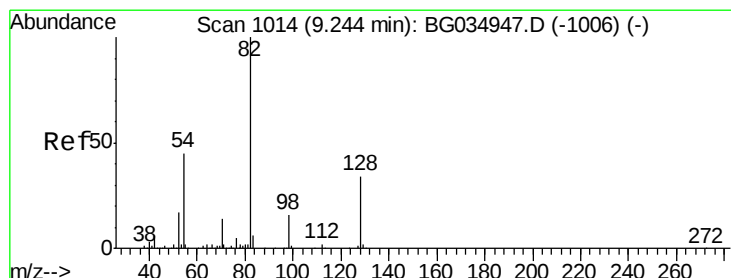
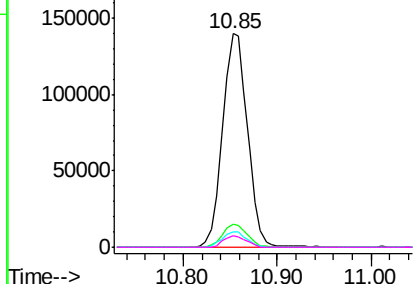
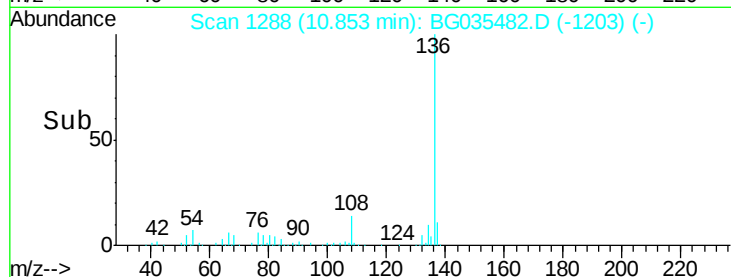
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.85 min Scan# 1288  
Delta R.T. -0.03 min  
Lab File: BG035482.D  
Acq: 28 Jun 2018 17:40

Instrument :  
BNA\_G  
ClientSampleId :  
PB110650BL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 257462 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 9.2   | 13.8   |
| 54       | 7.3   | 10.3  | 15.5#  |
| 68       | 5.2   | 4.5   | 6.7    |

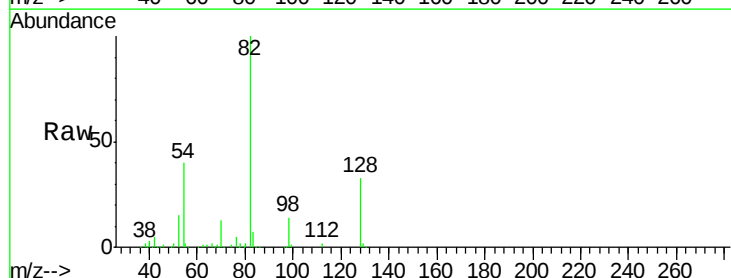


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

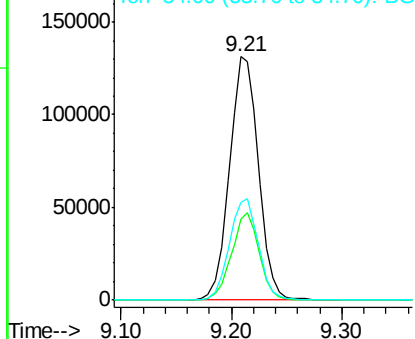
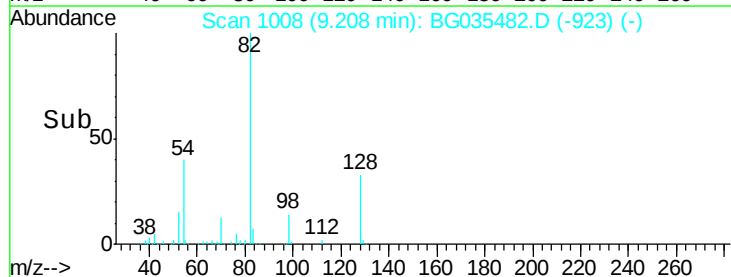


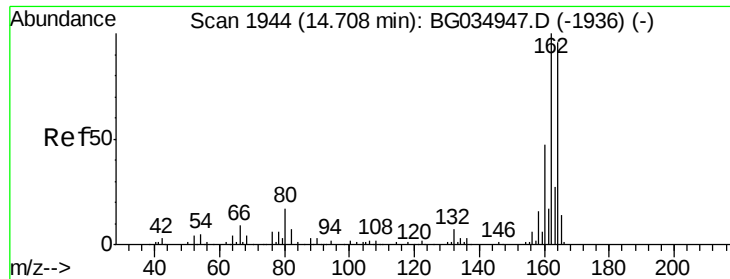
#23  
Nitrobenzene-d5  
Concen: 44.579 ng  
RT: 9.21 min Scan# 1008  
Delta R.T. -0.03 min  
Lab File: BG035482.D  
Acq: 28 Jun 2018 17:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 241453 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 33.3  | 29.7  | 44.5   |
| 54       | 40.2  | 43.1  | 64.7#  |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.03 min

Lab File: BG035482.D

Acq: 28 Jun 2018 17:40

Instrument :

BNA\_G

ClientSampleId :

PB110650BL

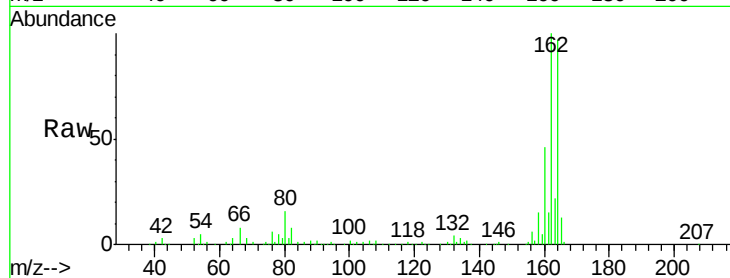
Tgt Ion:164 Resp: 185941

Ion Ratio Lower Upper

164 100

162 102.8 78.8 118.2

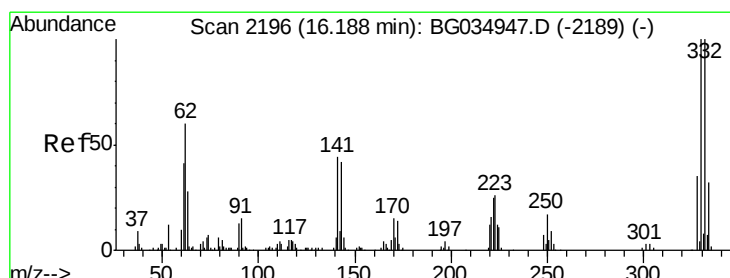
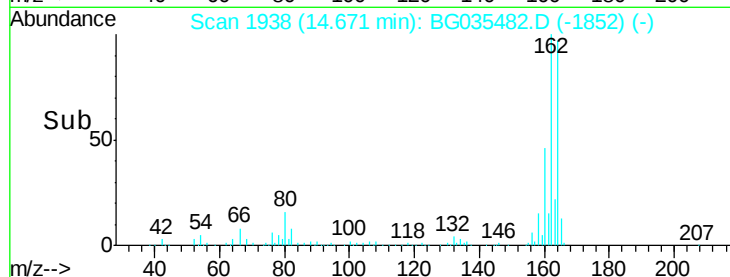
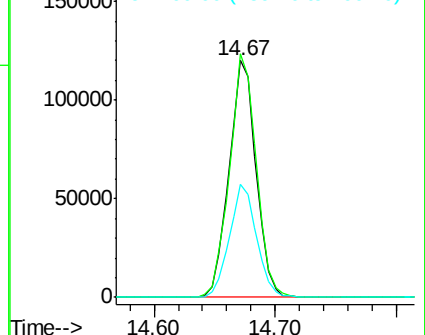
160 47.5 35.4 53.0



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: 56.154 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.03 min

Lab File: BG035482.D

Acq: 28 Jun 2018 17:40

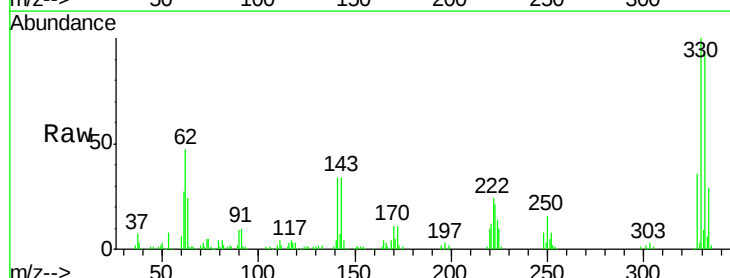
Tgt Ion:330 Resp: 133663

Ion Ratio Lower Upper

330 100

332 93.4 77.0 115.6

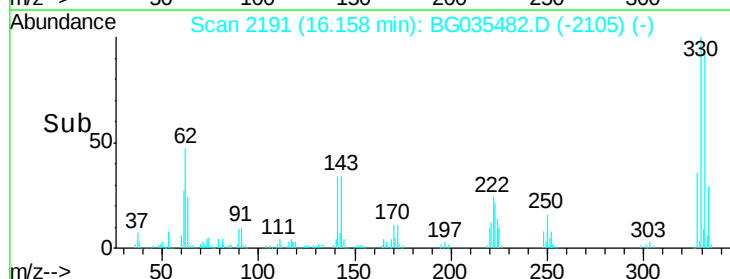
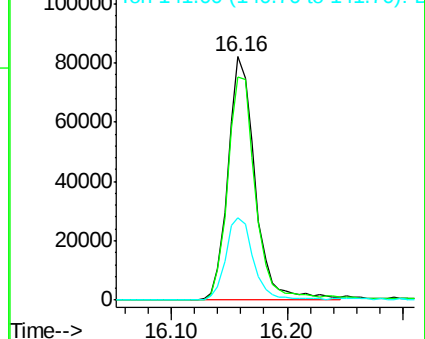
141 34.9 25.2 37.8

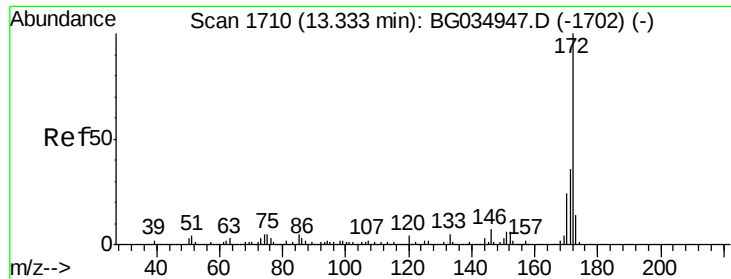


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

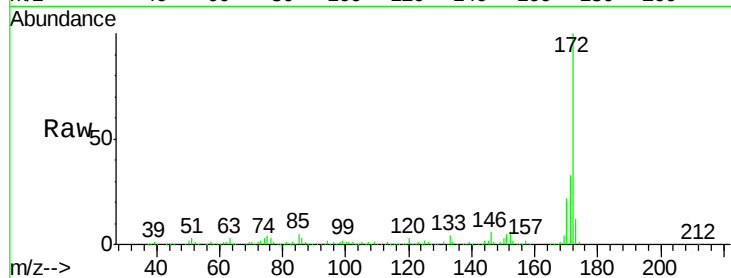




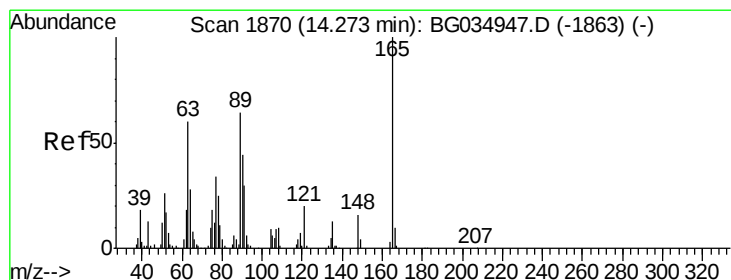
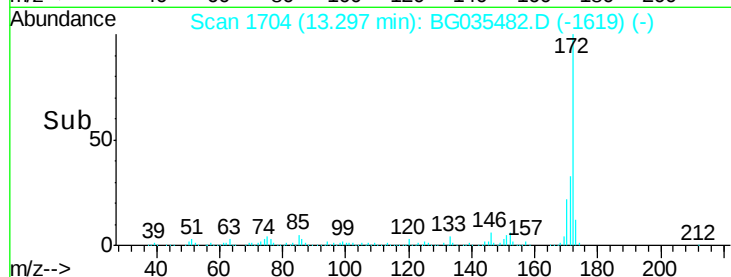
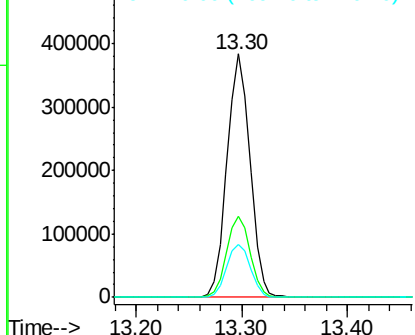
#44  
 2-Fluorobiphenyl  
 Concen: 40.414 ng  
 RT: 13.30 min Scan# 1704  
 Delta R.T. -0.03 min  
 Lab File: BG035482.D  
 Acq: 28 Jun 2018 17:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB110650BL

Tgt Ion:172 Resp: 578051  
 Ion Ratio Lower Upper  
 172 100  
 171 33.4 30.0 45.0  
 170 21.8 19.5 29.3

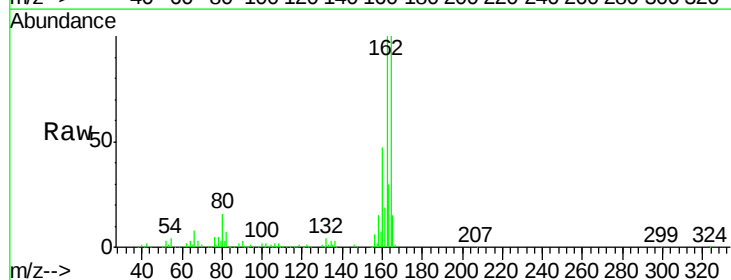


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

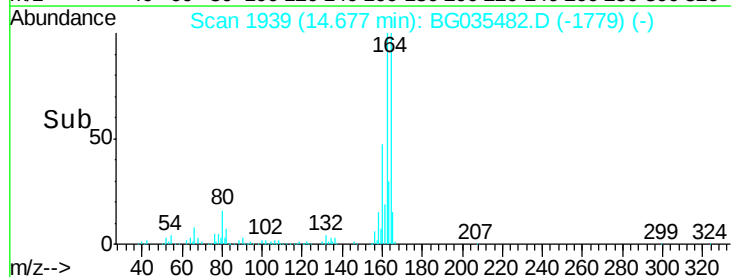
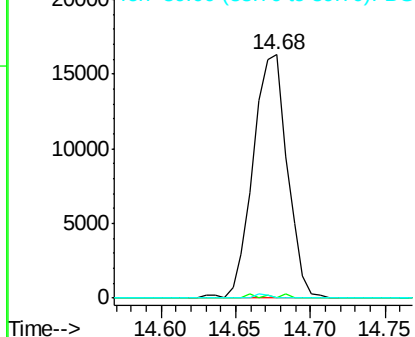


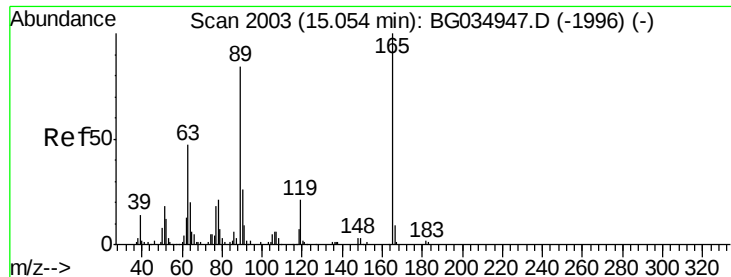
#50  
 2,6-Dinitrotoluene  
 Concen: 8.712 ng  
 RT: 14.68 min Scan# 1939  
 Delta R.T. 0.41 min  
 Lab File: BG035482.D  
 Acq: 28 Jun 2018 17:40

Tgt Ion:165 Resp: 25772  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 52.7 79.1#  
 89 0.0 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BG0  
 Ion 89.00 (88.70 to 89.70): BG0

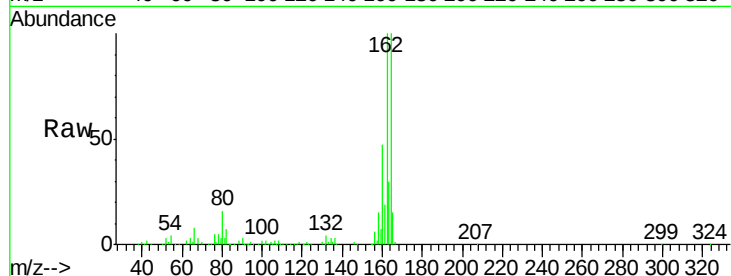




#56  
 2,4-Dinitrotoluene  
 Concen: 6.559 ng  
 RT: 14.68 min Scan# 1939  
 Delta R.T. -0.37 min  
 Lab File: BG035482.D  
 Acq: 28 Jun 2018 17:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB110650BL

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 0.0   | 42.0  | 63.0#  |
| 89      | 0.0   | 66.9  | 100.3# |
| 182     | 0.0   | 2.6   | 3.8#   |

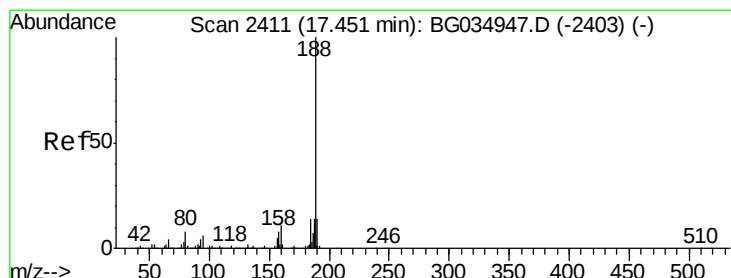
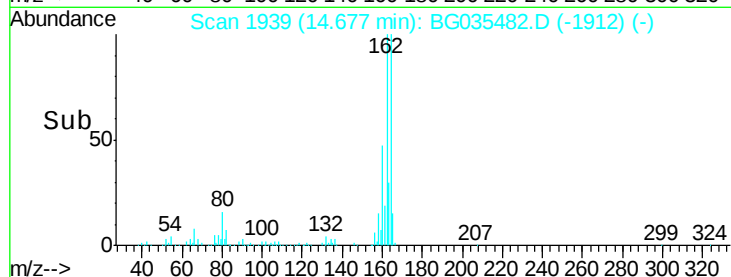
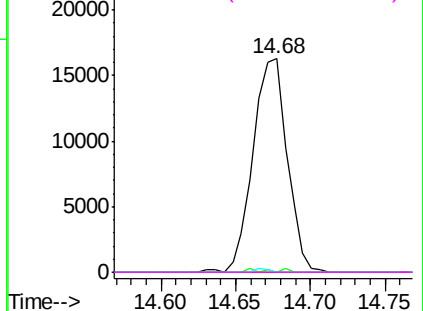


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

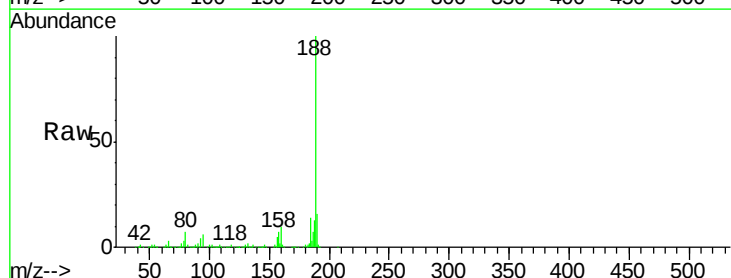
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.41 min Scan# 2405  
 Delta R.T. -0.03 min  
 Lab File: BG035482.D  
 Acq: 28 Jun 2018 17:40

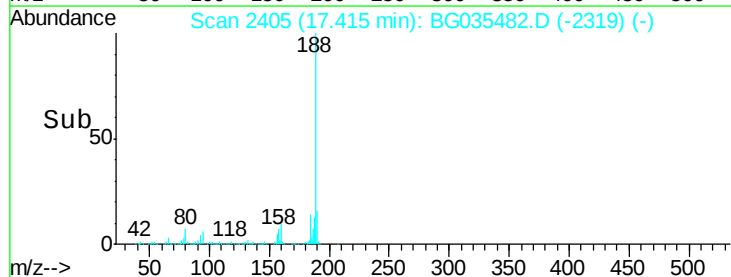
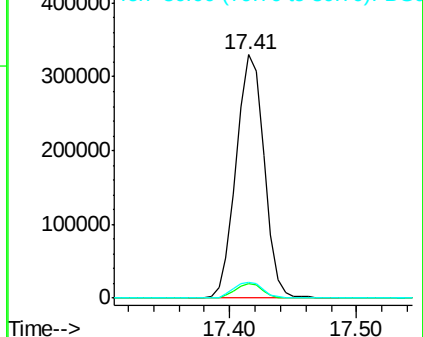
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.8   | 6.9   | 10.3# |
| 80      | 6.7   | 7.7   | 11.5# |

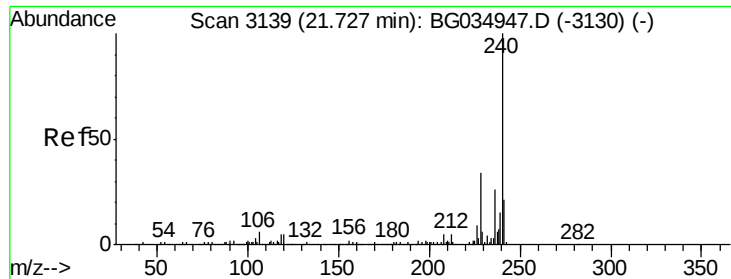


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3131

Delta R.T. -0.04 min

Lab File: BG035482.D

Acq: 28 Jun 2018 17:40

Instrument :

BNA\_G

ClientSampleId :

PB110650BL

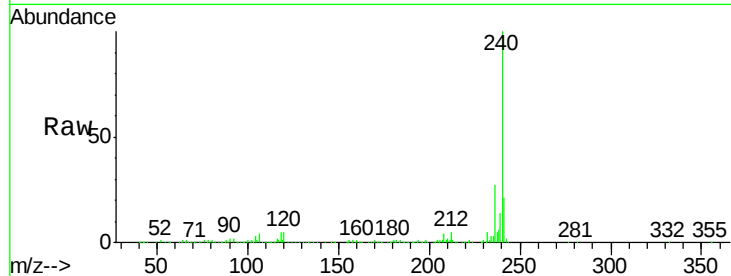
Tgt Ion:240 Resp: 562831

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

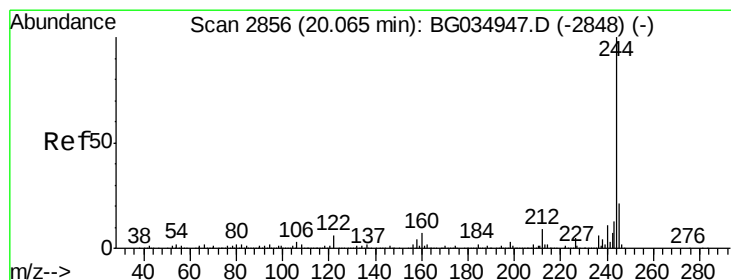
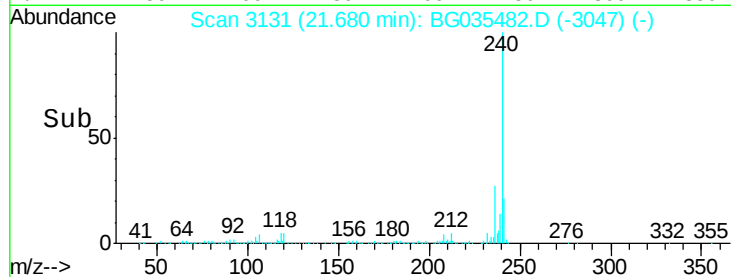
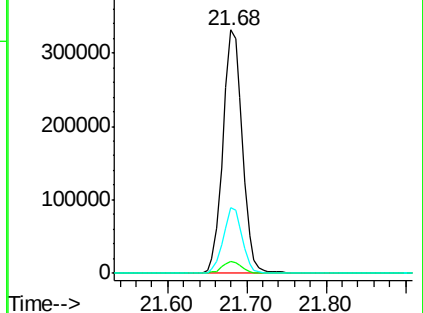
236 26.8 20.9 31.3



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: 40.253 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.03 min

Lab File: BG035482.D

Acq: 28 Jun 2018 17:40

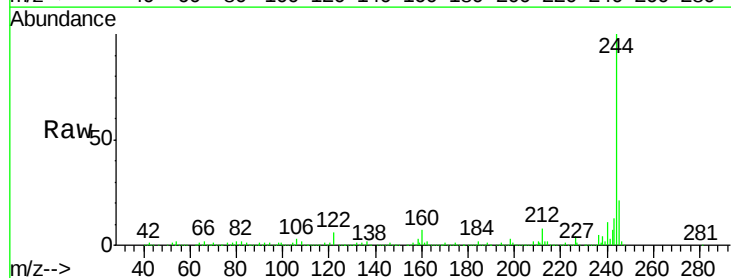
Tgt Ion:244 Resp: 1081581

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

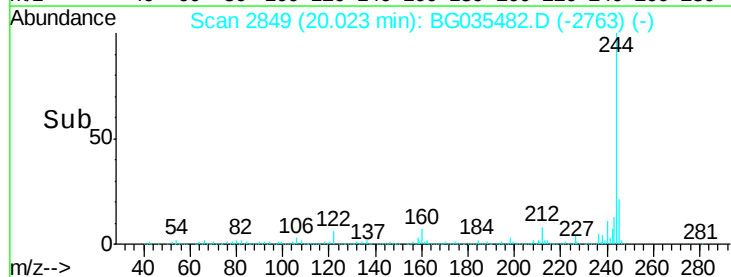
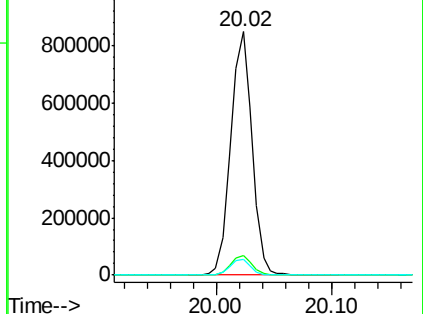
122 6.4 7.0 10.4#

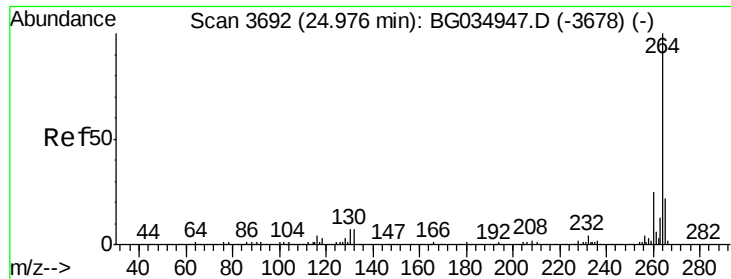


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.90 min Scan# 3679  
Delta R.T. -0.05 min  
Lab File: BG035482.D  
Acq: 28 Jun 2018 17:40

Instrument :  
BNA\_G  
ClientSampleId :  
PB110650BL

Tgt Ion: 264 Resp: 519049  
Ion Ratio Lower Upper  
264 100  
260 24.7 17.4 26.0  
265 21.4 17.7 26.5

