

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062917\  
 Data File : BG027752.D  
 Acq On : 29 Jun 2017 22:30  
 Operator : SJ/JU  
 Sample : I3928-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E2-Q6-WSW

Quant Time: Jun 30 05:44:24 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 28 19:26:37 2017  
 Response via : Initial Calibration

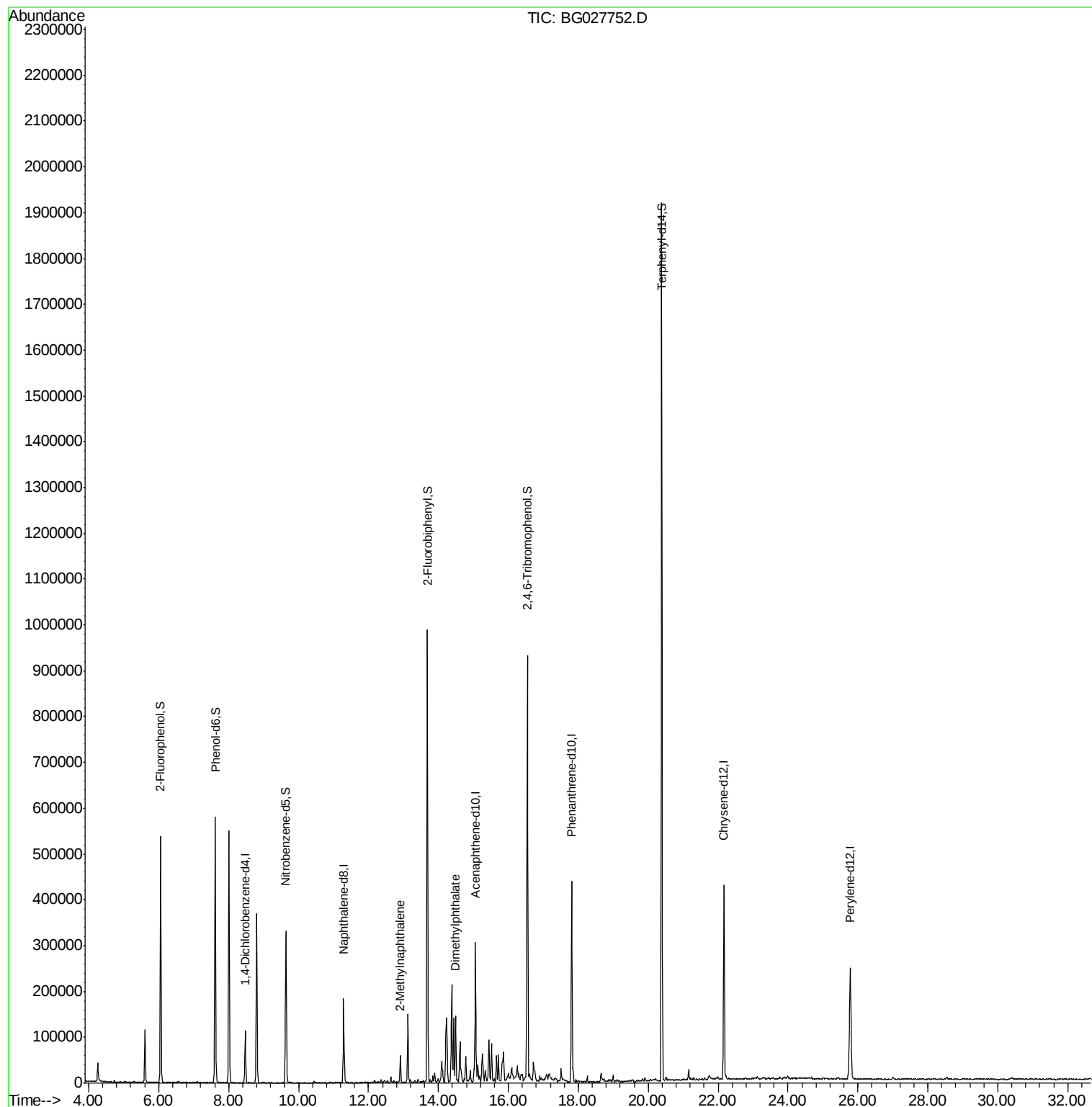
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.48  | 152  | 34024    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.29 | 136  | 166139   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.06 | 164  | 104724   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.81 | 188  | 269035   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.17 | 240  | 274422   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.78 | 264  | 269423   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.06  | 112  | 239586   | 108.44 | ng    | 0.00     |
| 7) Phenol-d6                | 7.61  | 99   | 352184   | 104.34 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.64  | 82   | 210708   | 70.69  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.54 | 330  | 171833   | 119.63 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.68 | 172  | 513479   | 70.03  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.39 | 244  | 845490   | 72.23  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 37) 2-Methylnaphthalene     | 12.91 | 142  | 29655    | 4.51   | ng    | 95       |
| 49) Dimethylphthalate       | 14.49 | 163  | 87530    | 9.80   | ng    | 99       |

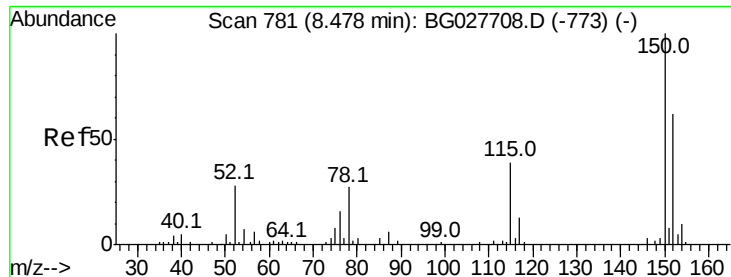
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062917\  
Data File : BG027752.D  
Acq On : 29 Jun 2017 22:30  
Operator : SJ/JU  
Sample : I3928-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
E2-Q6-WSW

Quant Time: Jun 30 05:44:24 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 28 19:26:37 2017  
Response via : Initial Calibration



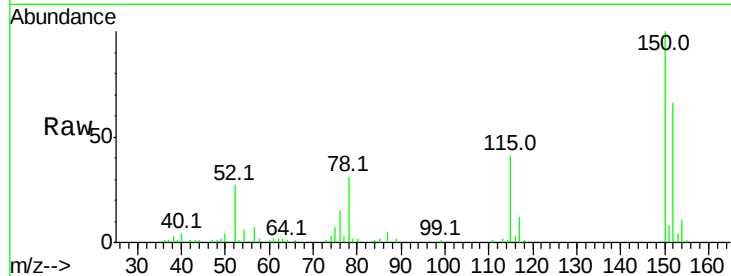


#1

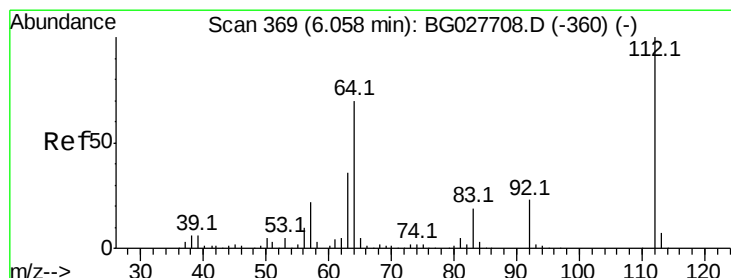
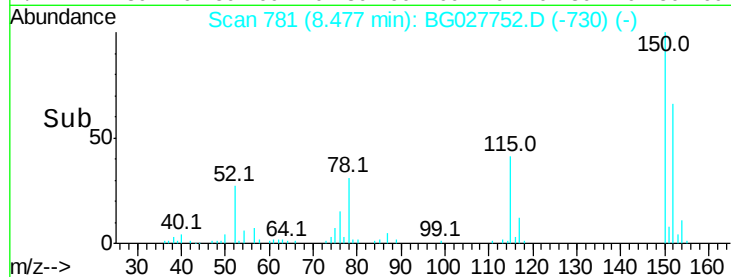
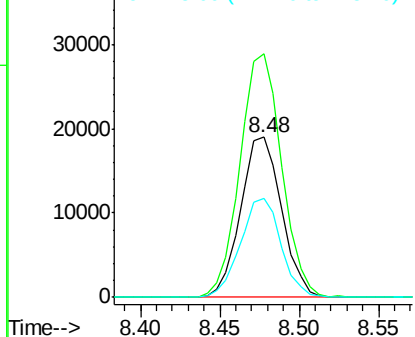
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.48 min Scan# 781  
Delta R.T. -0.00 min  
Lab File: BG027752.D  
Acq: 29 Jun 2017 22:30

Instrument :  
BNA\_G  
ClientSampleId :  
E2-Q6-WSW

Tot Ion:152 Resp: 34024  
Ion Ratio Lower Upper  
152 100  
150 152.3 114.0 171.0  
115 62.0 48.1 72.1



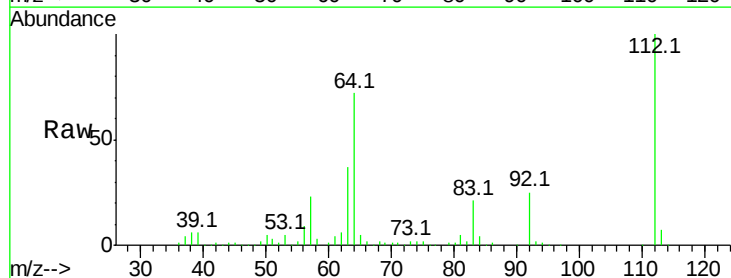
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



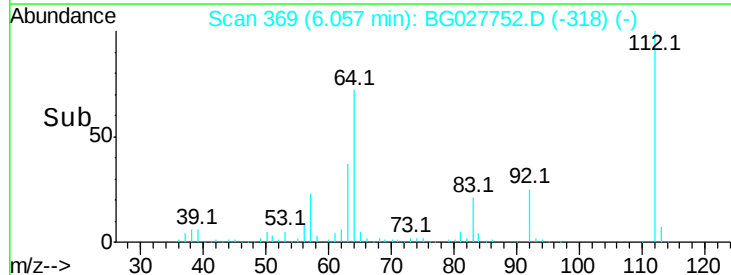
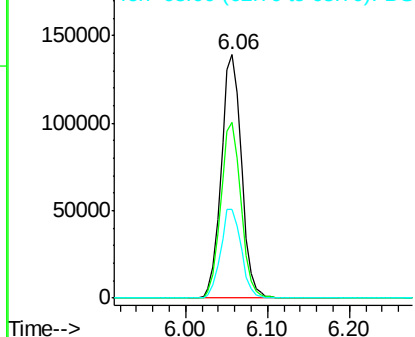
#5

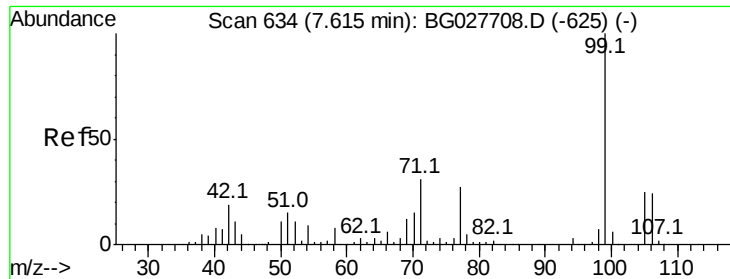
2-Fluorophenol  
Concen: 108.44 ng  
RT: 6.06 min Scan# 369  
Delta R.T. -0.00 min  
Lab File: BG027752.D  
Acq: 29 Jun 2017 22:30

Tgt Ion:112 Resp: 239586  
Ion Ratio Lower Upper  
112 100  
64 72.3 61.8 92.6  
63 36.7 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: 104.34 ng

RT: 7.61 min Scan# 634

Delta R.T. -0.00 min

Lab File: BG027752.D

Acq: 29 Jun 2017 22:30

Instrument :

BNA\_G

ClientSampleId :

E2-Q6-WSW

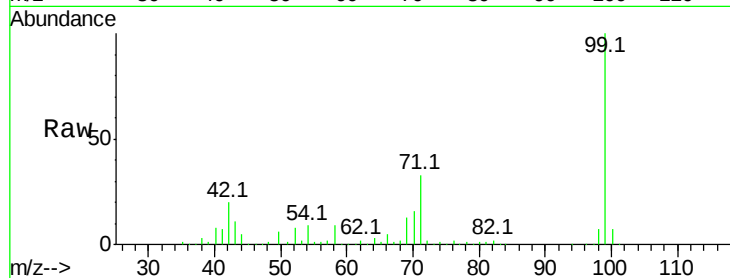
Tot Ion: 99 Resp: 352184

Ion Ratio Lower Upper

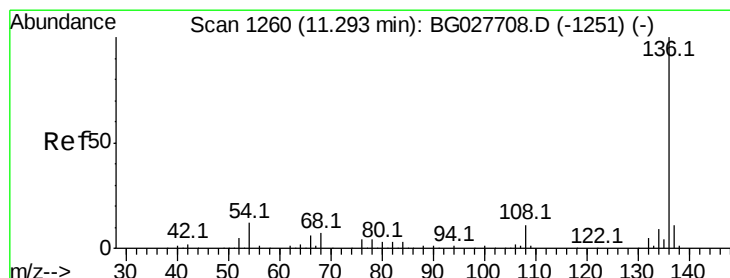
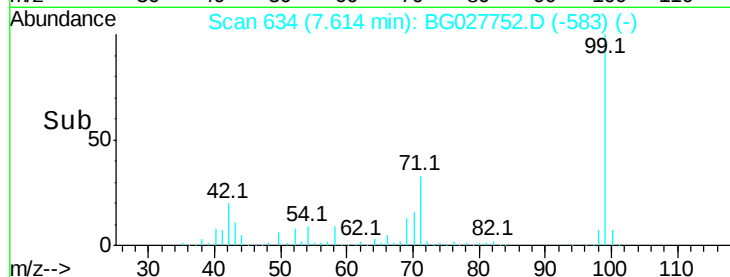
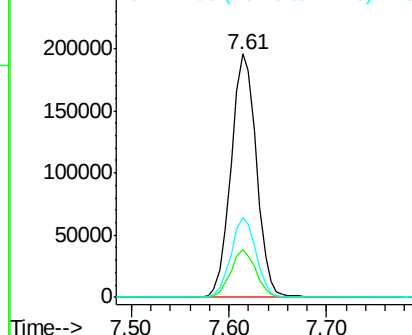
99 100

42 19.8 20.5 30.7#

71 32.9 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.29 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BG027752.D

Acq: 29 Jun 2017 22:30

Tgt Ion: 136 Resp: 166139

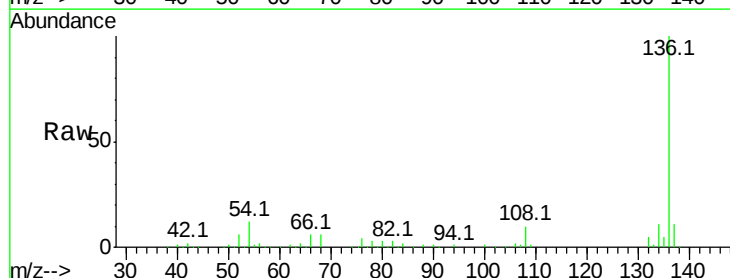
Ion Ratio Lower Upper

136 100

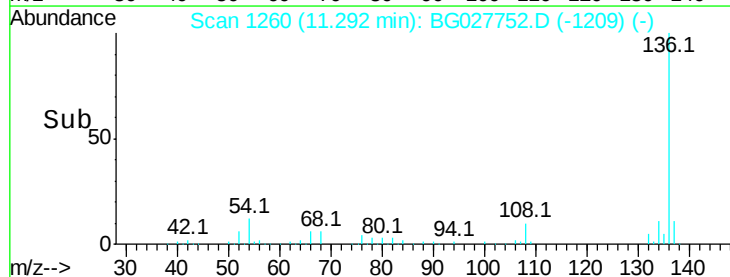
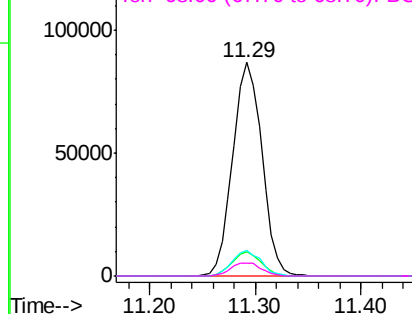
137 11.5 8.9 13.3

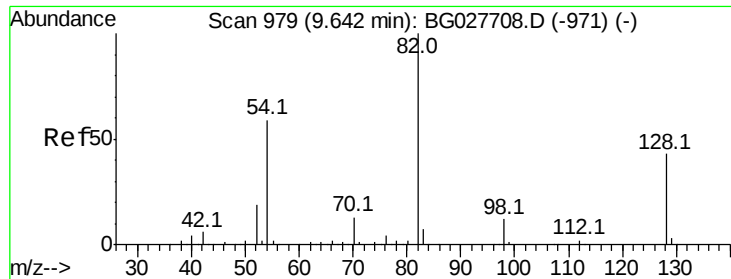
54 12.0 9.3 13.9

68 5.9 5.1 7.7



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

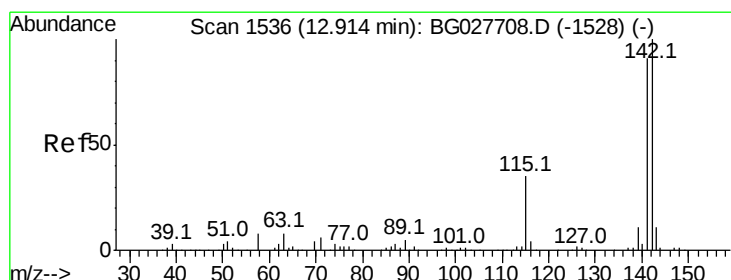
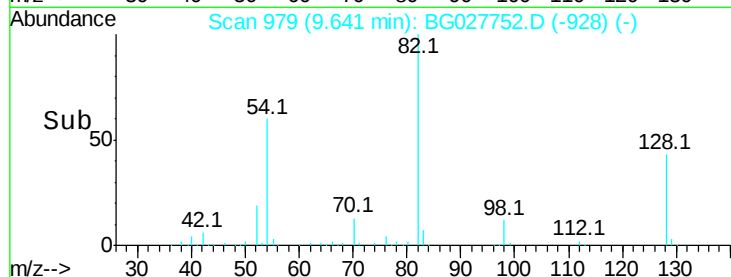
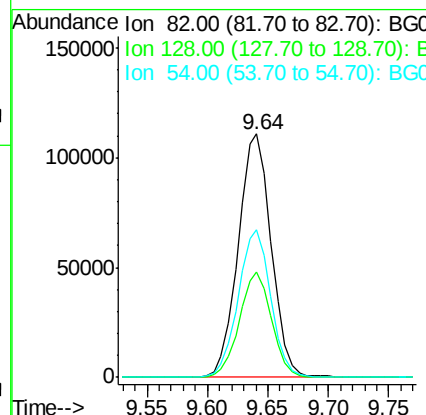
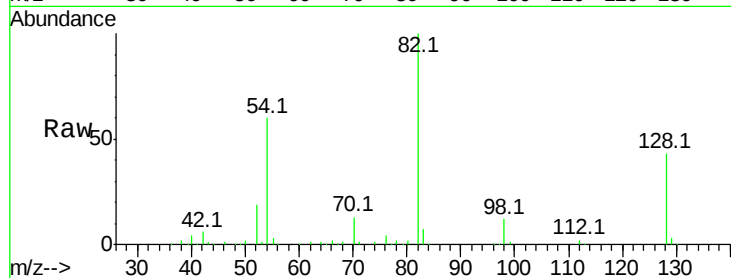




#23  
Nitrobenzene-d5  
Concen: 70.69 ng  
RT: 9.64 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: BG027752.D  
Acq: 29 Jun 2017 22:30

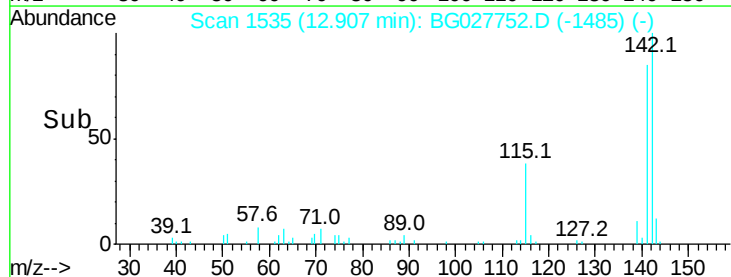
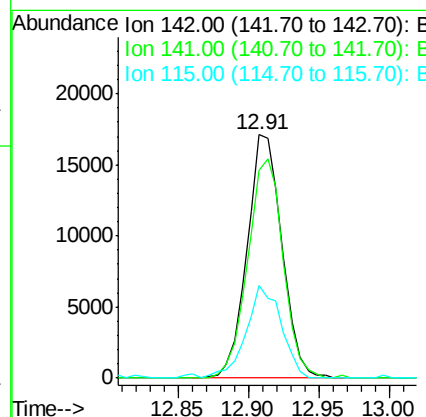
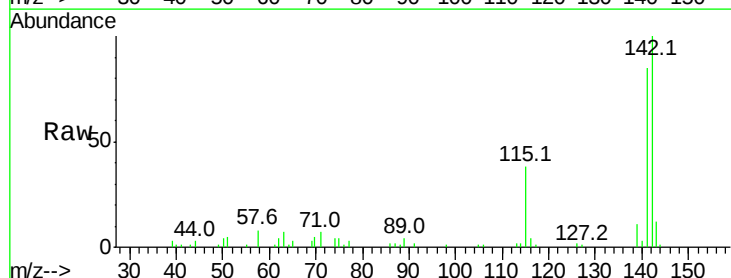
Instrument :  
BNA\_G  
ClientSampleId :  
E2-Q6-WSW

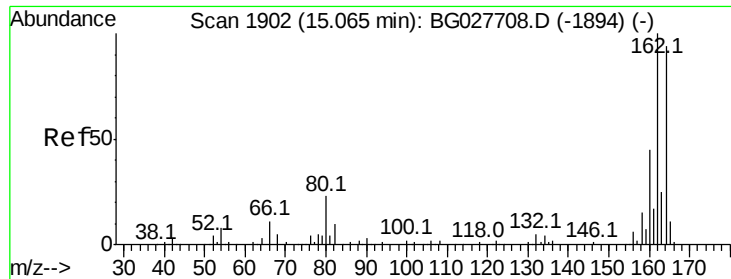
Tot Ion: 82 Resp: 210708  
Ion Ratio Lower Upper  
82 100  
128 43.5 26.4 39.6#  
54 60.5 49.4 74.2



#37  
2-Methylnaphthalene  
Concen: 4.51 ng  
RT: 12.91 min Scan# 1535  
Delta R.T. -0.01 min  
Lab File: BG027752.D  
Acq: 29 Jun 2017 22:30

Tgt Ion:142 Resp: 29655  
Ion Ratio Lower Upper  
142 100  
141 85.4 70.4 105.6  
115 37.9 35.5 53.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.06 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BG027752.D

Acq: 29 Jun 2017 22:30

Instrument :

BNA\_G

ClientSampleId :

E2-Q6-WSW

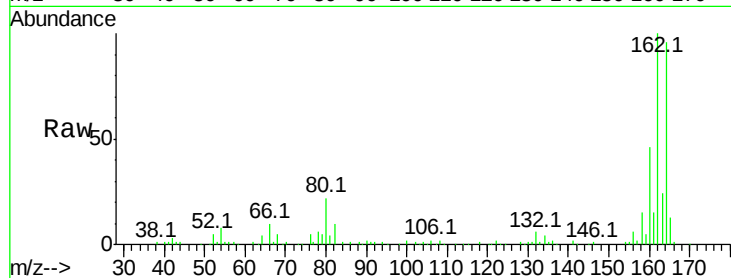
Tot Ion:164 Resp: 104724

Ion Ratio Lower Upper

164 100

162 104.2 85.1 127.7

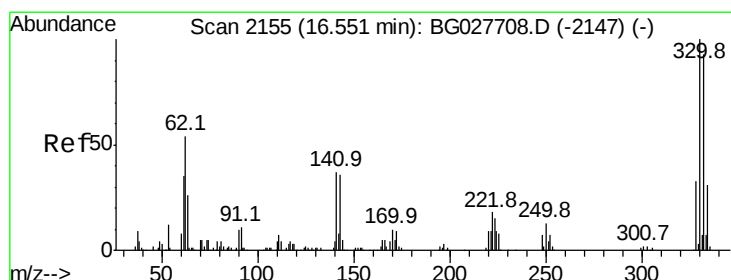
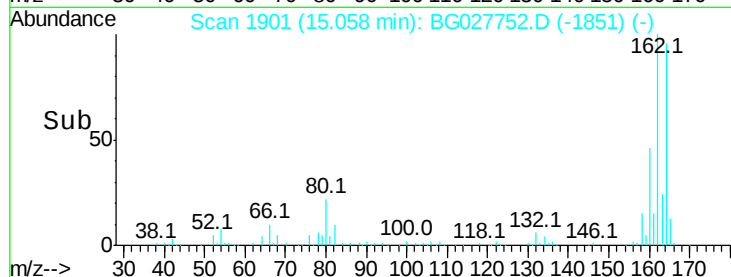
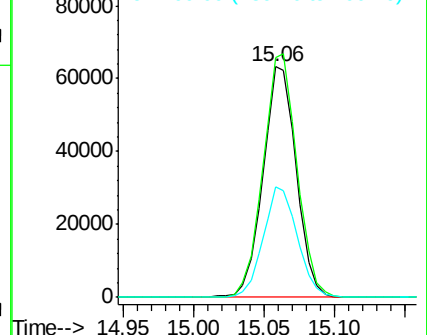
160 48.1 34.7 52.1



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



#41

2,4,6-Tribromophenol

Concen: 119.63 ng

RT: 16.54 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BG027752.D

Acq: 29 Jun 2017 22:30

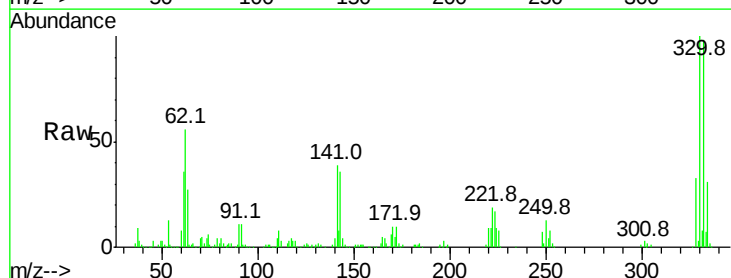
Tgt Ion:330 Resp: 171833

Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

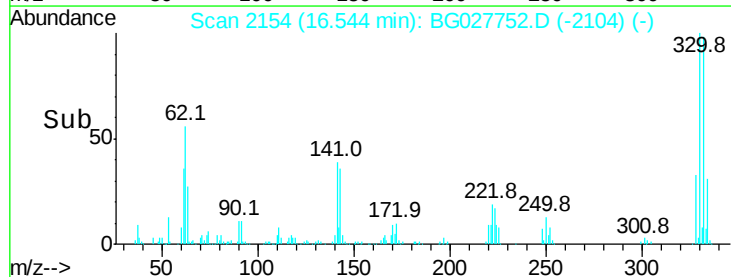
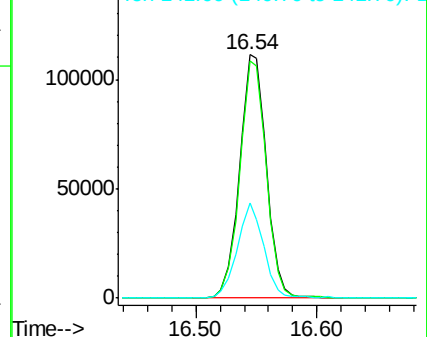
141 38.2 32.1 48.1

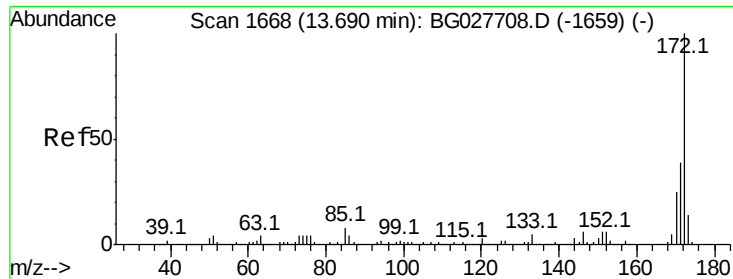


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

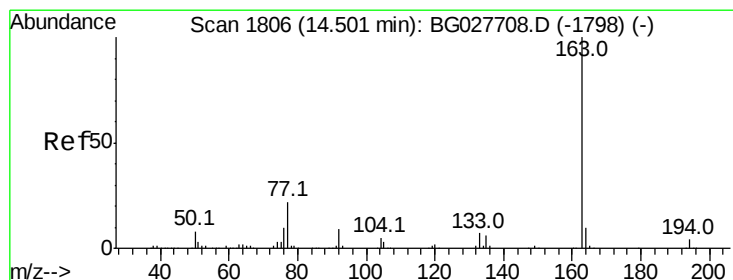
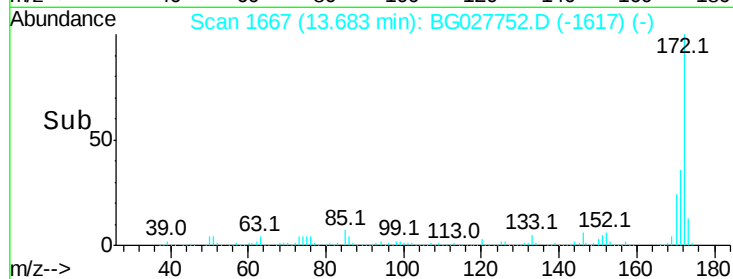
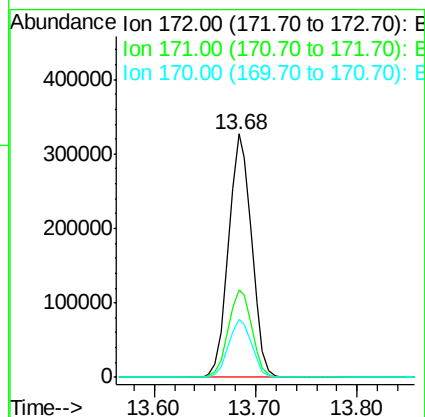
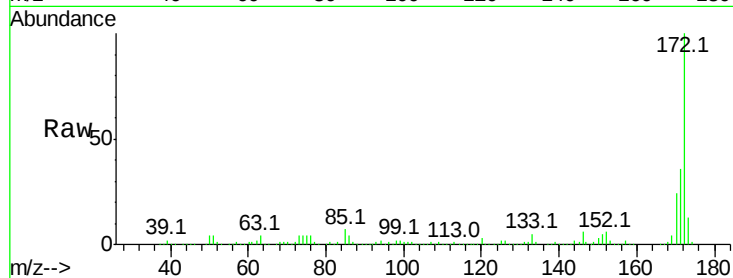




#44  
 2-Fluorobiphenyl  
 Concen: 70.03 ng  
 RT: 13.68 min Scan# 1667  
 Delta R.T. -0.01 min  
 Lab File: BG027752.D  
 Acq: 29 Jun 2017 22:30

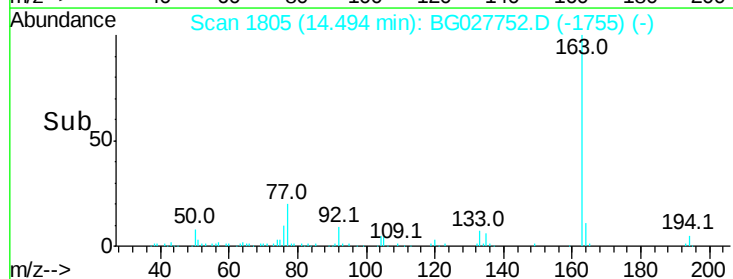
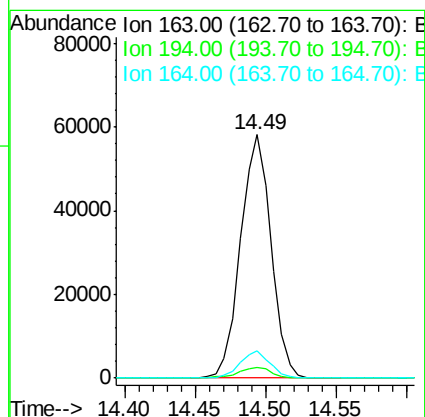
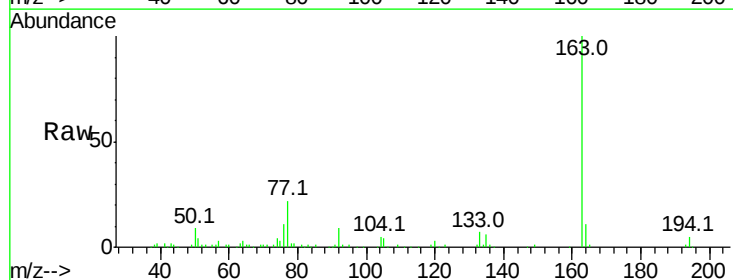
Instrument :  
 BNA\_G  
 ClientSampleId :  
 E2-Q6-WSW

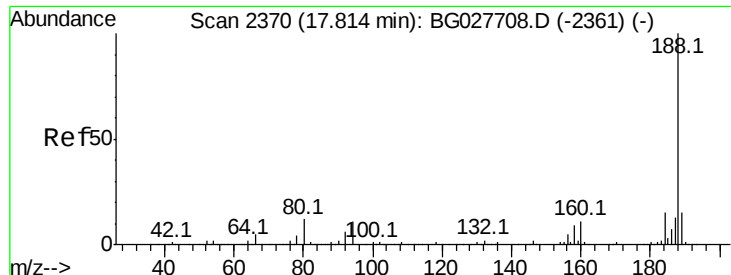
Tot Ion:172 Resp: 513479  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 32.2 48.2  
 170 23.8 21.8 32.6



#49  
 Dimethylphthalate  
 Concen: 9.80 ng  
 RT: 14.49 min Scan# 1805  
 Delta R.T. -0.01 min  
 Lab File: BG027752.D  
 Acq: 29 Jun 2017 22:30

Tgt Ion:163 Resp: 87530  
 Ion Ratio Lower Upper  
 163 100  
 194 4.6 3.8 5.6  
 164 11.0 9.3 13.9

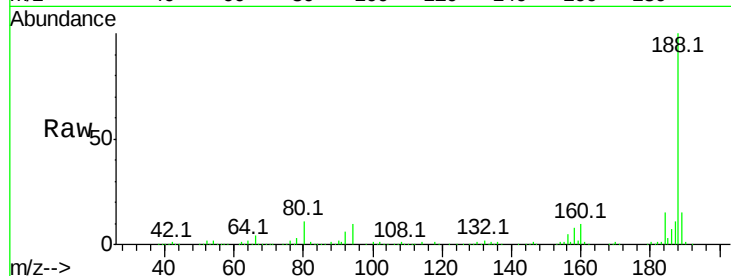




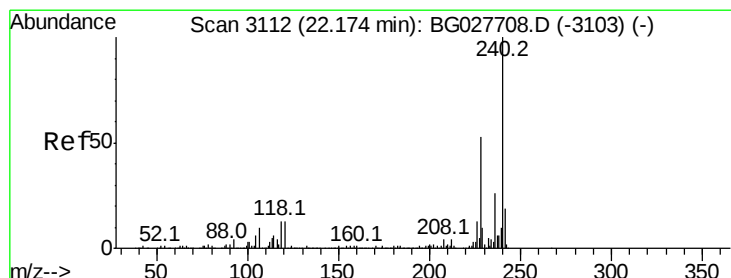
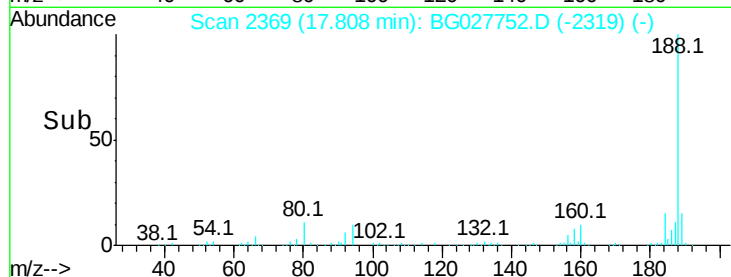
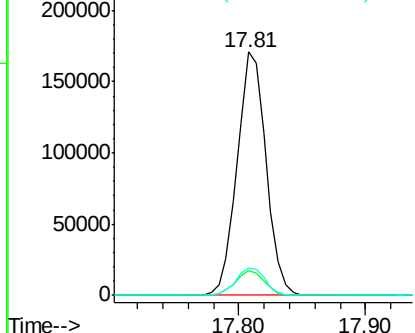
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.81 min Scan# 2369  
Delta R.T. -0.01 min  
Lab File: BG027752.D  
Acq: 29 Jun 2017 22:30

Instrument :  
BNA\_G  
ClientSampleId :  
E2-Q6-WSW

Tot Ion:188 Resp: 269035  
Ion Ratio Lower Upper  
188 100  
94 10.3 5.8 8.8#  
80 11.3 7.5 11.3#

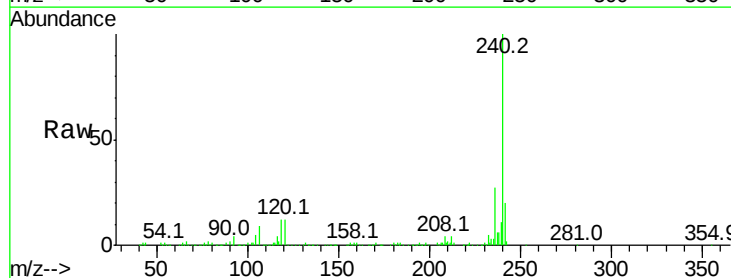


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

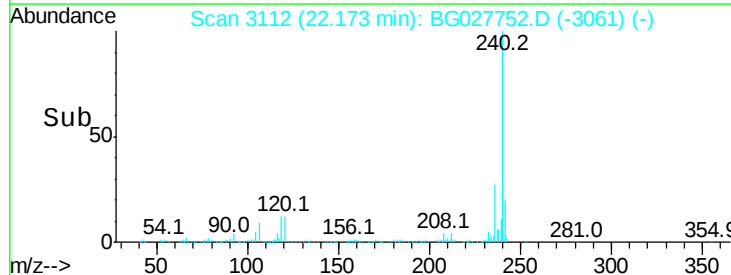
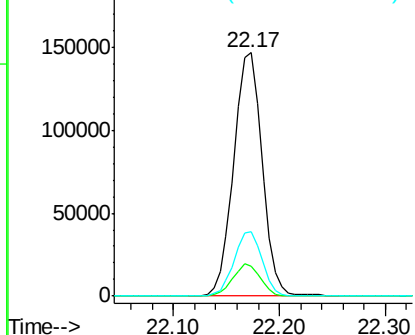


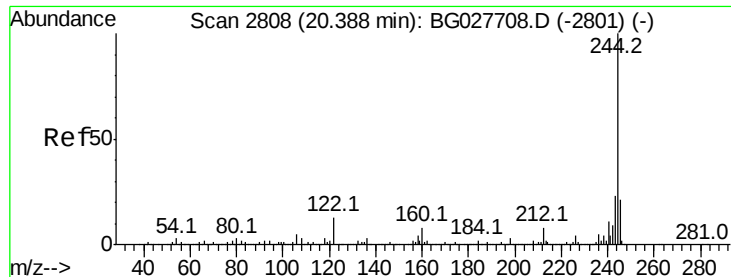
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.17 min Scan# 3112  
Delta R.T. -0.00 min  
Lab File: BG027752.D  
Acq: 29 Jun 2017 22:30

Tgt Ion:240 Resp: 274422  
Ion Ratio Lower Upper  
240 100  
120 12.2 5.7 8.5#  
236 26.6 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: 72.23 ng

RT: 20.39 min Scan# 2808

Delta R.T. -0.00 min

Lab File: BG027752.D

Acq: 29 Jun 2017 22:30

Instrument :

BNA\_G

ClientSampleId :

E2-Q6-WSW

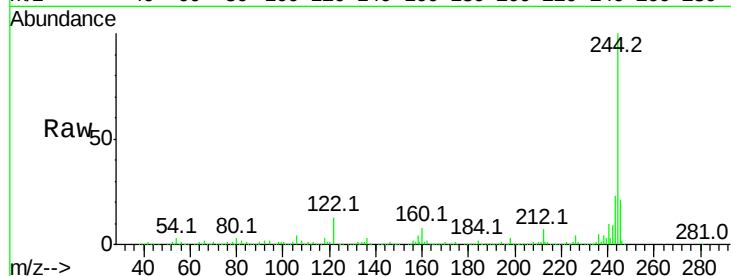
Tot Ion:244 Resp: 845490

Ion Ratio Lower Upper

244 100

212 7.3 10.0 15.0#

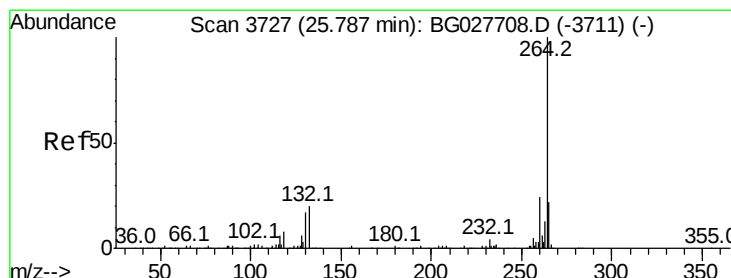
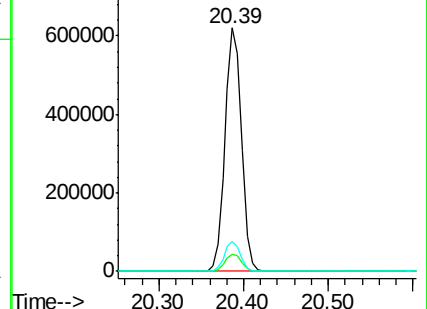
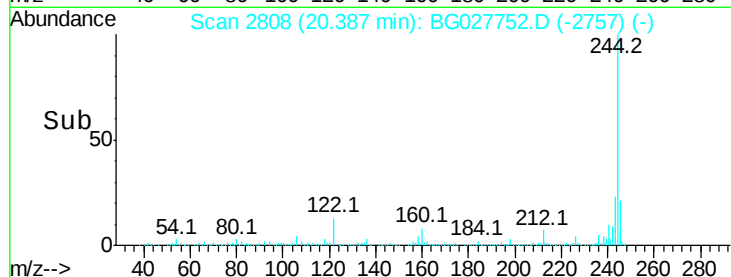
122 12.5 8.6 12.8



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: 25.78 min Scan# 3726

Delta R.T. -0.01 min

Lab File: BG027752.D

Acq: 29 Jun 2017 22:30

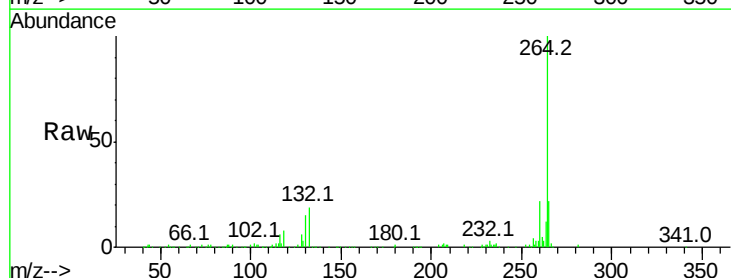
Tgt Ion:264 Resp: 269423

Ion Ratio Lower Upper

264 100

260 22.3 21.8 32.8

265 21.8 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

