

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG070717\  
 Data File : BG027873.D  
 Acq On : 7 Jul 2017 17:59  
 Operator : SJ/JU  
 Sample : I4061-12  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-1-D

Quant Time: Jul 10 04:49:57 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG062817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 07 17:43:21 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.43  | 152  | 37093    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.25 | 136  | 162148   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.03 | 164  | 87180    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.78 | 188  | 227452   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.13 | 240  | 271069   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.70 | 264  | 260856   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.01  | 112  | 320262   | 132.96 | ng    | 0.00     |
| 7) Phenol-d6                | 7.58  | 99   | 387159   | 105.21 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.59  | 82   | 246527   | 84.75  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.51 | 330  | 223979   | 187.31 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.65 | 172  | 634469   | 103.94 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.36 | 244  | 1181156  | 102.15 | ng    | 0.00     |

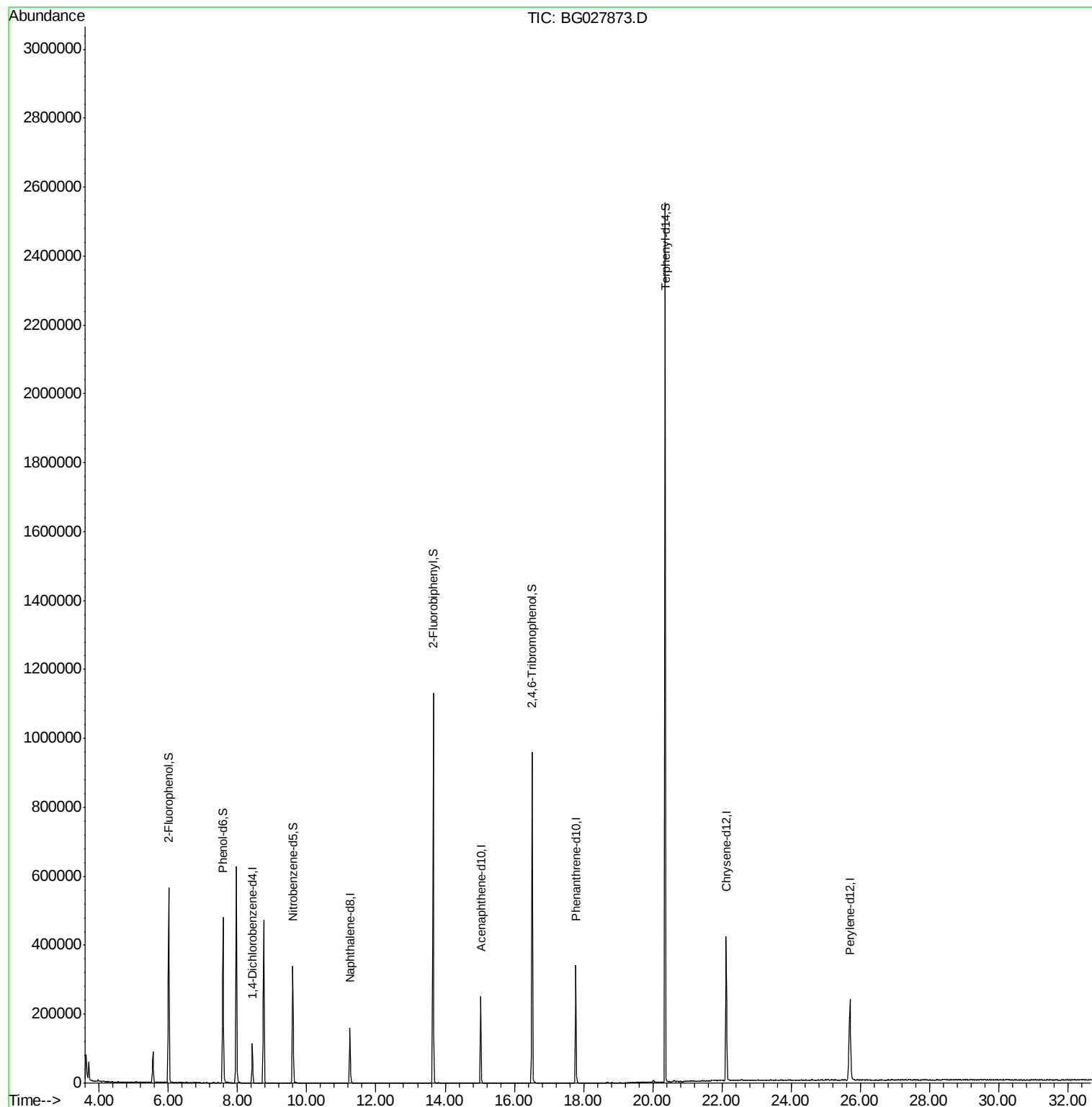
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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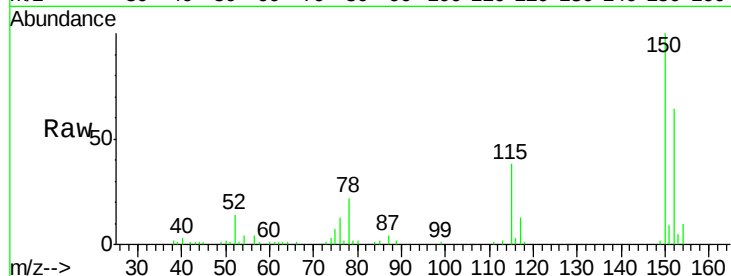


#1

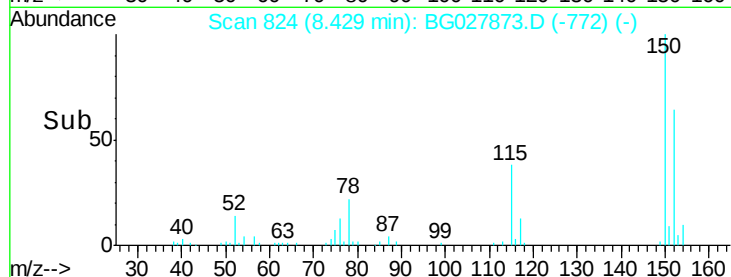
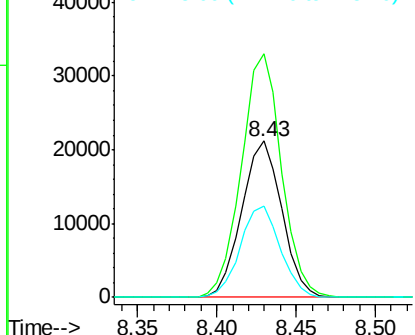
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.43 min Scan# 824  
Delta R.T. 0.00 min  
Lab File: BG027873.D  
Acq: 7 Jul 2017 17:59

Instrument :  
BNA\_G  
ClientSampleId :  
SP-1-D

Tgt Ion:152 Resp: 37093  
Ion Ratio Lower Upper  
152 100  
150 156.0 114.0 171.0  
115 58.9 48.1 72.1



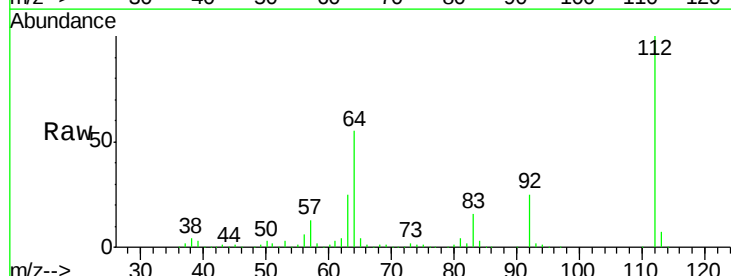
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



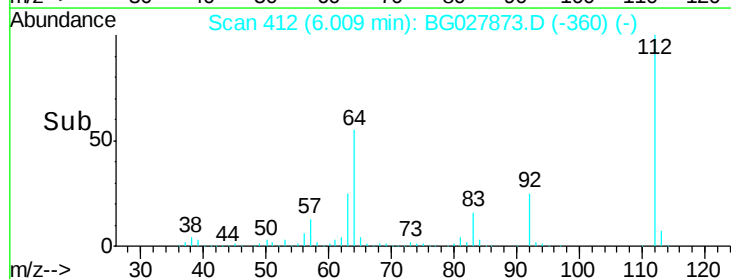
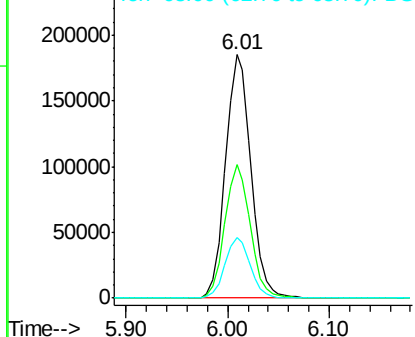
#5

2-Fluorophenol  
Concen: 132.956 ng  
RT: 6.01 min Scan# 412  
Delta R.T. 0.00 min  
Lab File: BG027873.D  
Acq: 7 Jul 2017 17:59

Tgt Ion:112 Resp: 320262  
Ion Ratio Lower Upper  
112 100  
64 54.9 61.8 92.6#  
63 24.7 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: 105.210 ng

RT: 7.58 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG027873.D

Acq: 7 Jul 2017 17:59

Instrument :

BNA\_G

ClientSampled :

SP-1-D

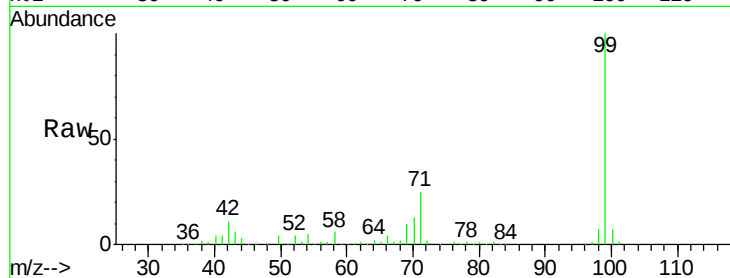
Tgt Ion: 99 Resp: 387159

Ion Ratio Lower Upper

99 100

42 10.6 20.5 30.7#

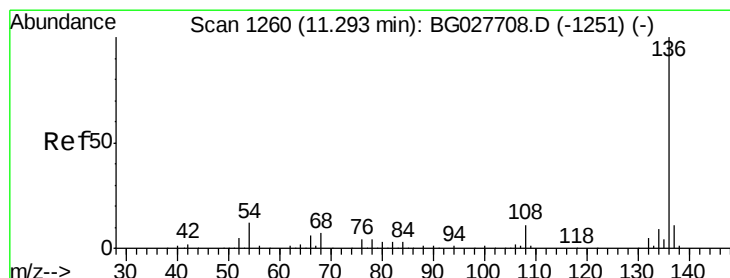
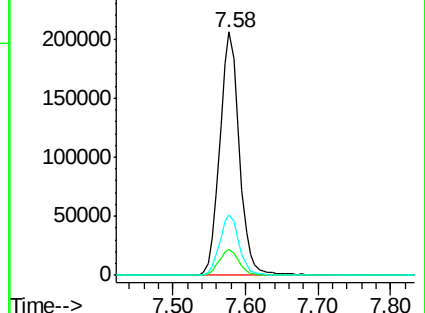
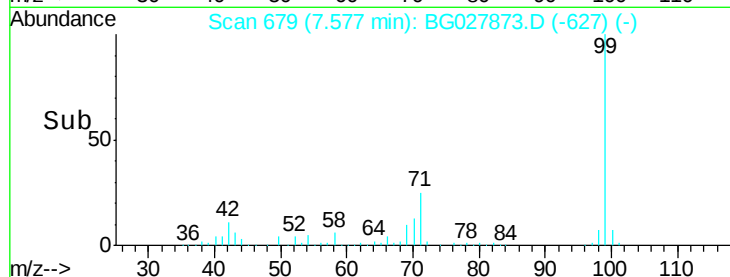
71 24.6 37.6 56.4#



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: 20.000 ng

RT: 11.25 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BG027873.D

Acq: 7 Jul 2017 17:59

Tgt Ion: 136 Resp: 162148

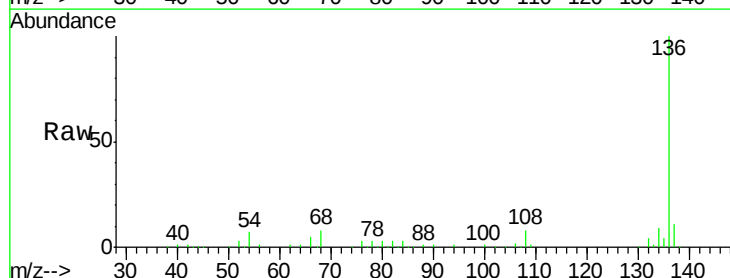
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.8 9.3 13.9#

68 7.9 5.1 7.7#

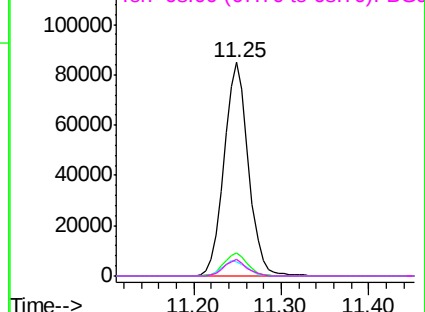
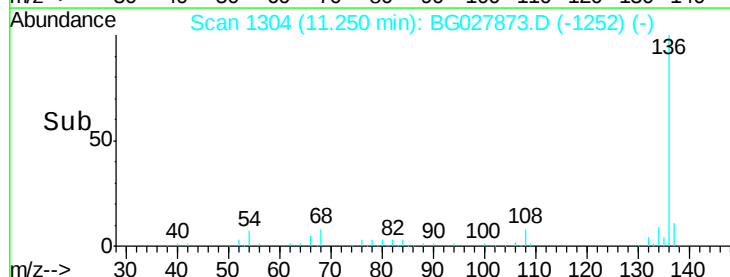


Abundance Ion 136.00 (135.70 to 136.70): BGC

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

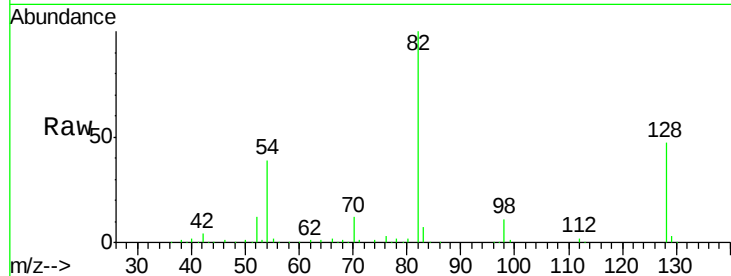




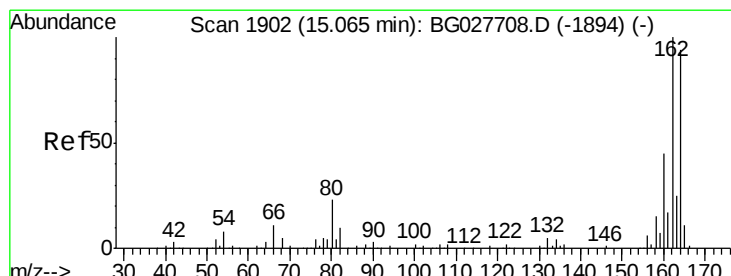
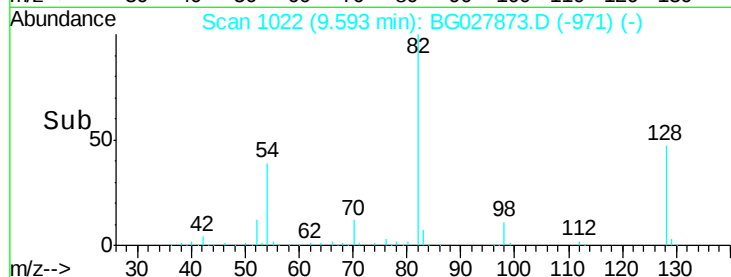
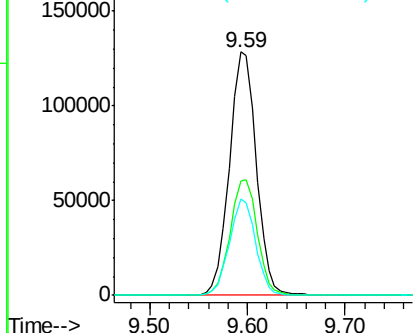
#23  
 Nitrobenzene-d5  
 Concen: 84.747 ng  
 RT: 9.59 min Scan# 1022  
 Delta R.T. -0.00 min  
 Lab File: BG027873.D  
 Acq: 7 Jul 2017 17:59

Instrument :  
 BNA\_G  
 ClientSampleID :  
 SP-1-D

Tgt Ion: 82 Resp: 246527  
 Ion Ratio Lower Upper  
 82 100  
 128 47.2 26.4 39.6#  
 54 39.5 49.4 74.2#

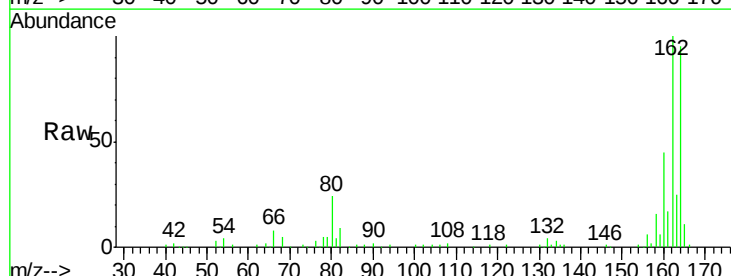


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

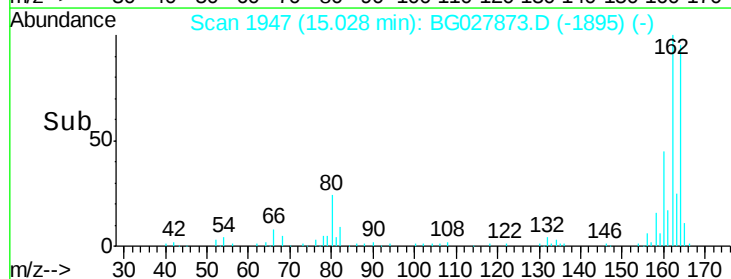
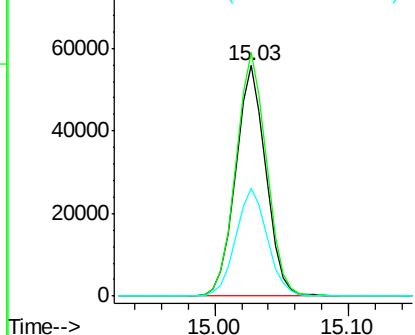


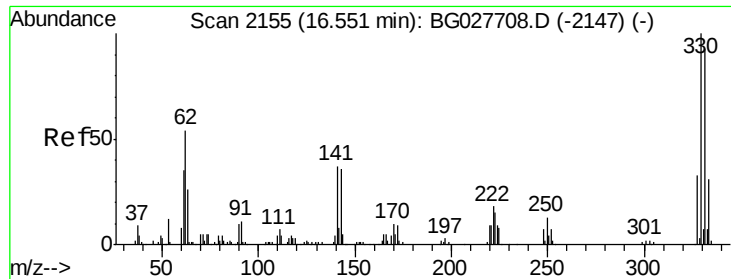
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.03 min Scan# 1947  
 Delta R.T. 0.00 min  
 Lab File: BG027873.D  
 Acq: 7 Jul 2017 17:59

Tgt Ion: 164 Resp: 87180  
 Ion Ratio Lower Upper  
 164 100  
 162 105.7 85.1 127.7  
 160 47.1 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC

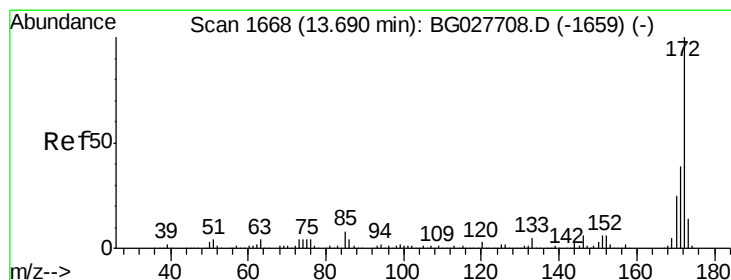
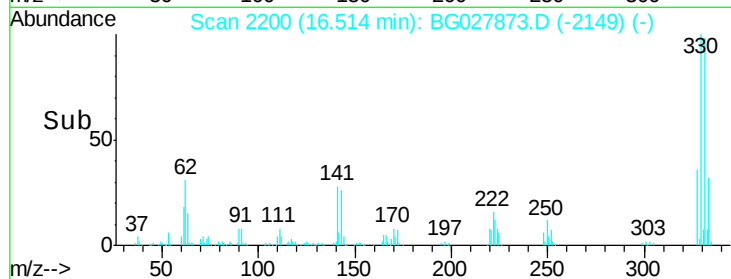
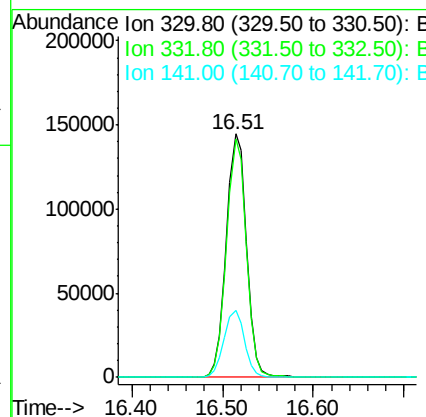
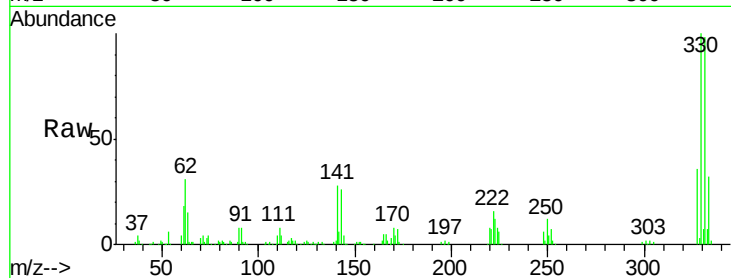




#41  
 2,4,6-Tribromophenol  
 Concen: 187.310 ng  
 RT: 16.51 min Scan# 2200  
 Delta R.T. -0.00 min  
 Lab File: BG027873.D  
 Acq: 7 Jul 2017 17:59

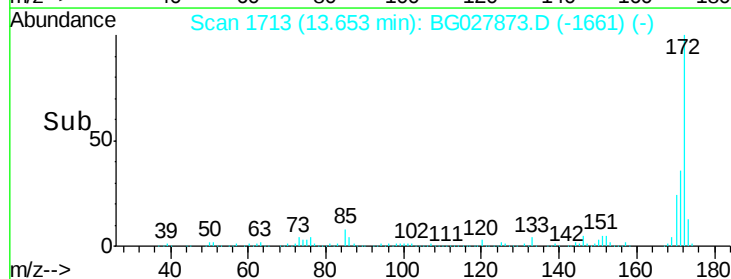
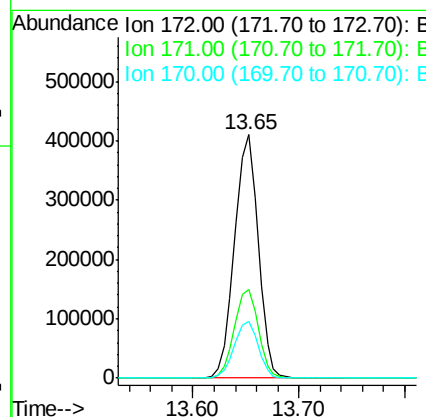
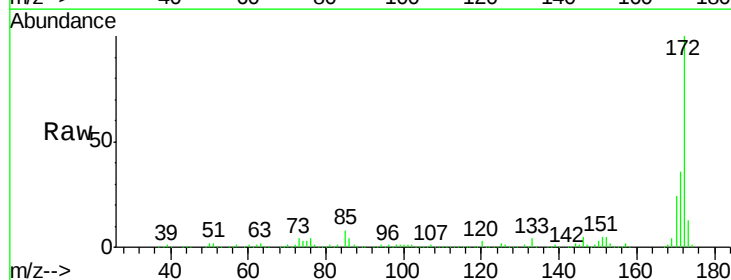
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SP-1-D

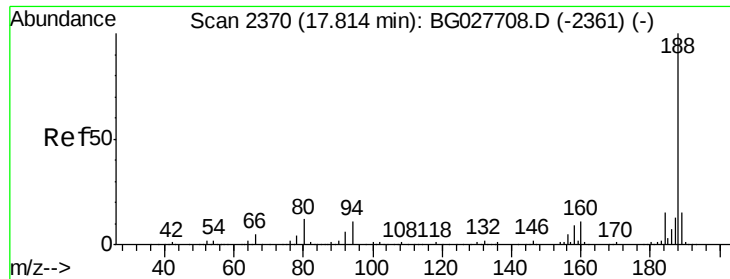
Tgt Ion:330 Resp: 223979  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 77.3 115.9  
 141 28.2 32.1 48.1#



#44  
 2-Fluorobiphenyl  
 Concen: 103.938 ng  
 RT: 13.65 min Scan# 1713  
 Delta R.T. 0.00 min  
 Lab File: BG027873.D  
 Acq: 7 Jul 2017 17:59

Tgt Ion:172 Resp: 634469  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 32.2 48.2  
 170 23.5 21.8 32.6

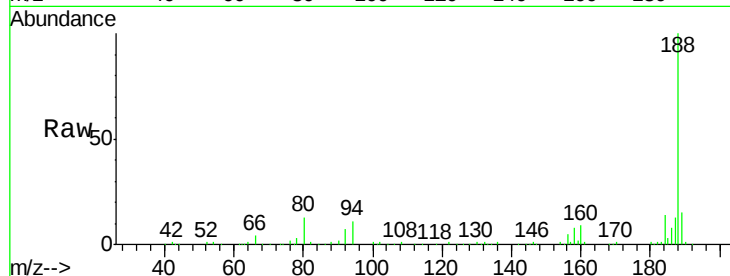




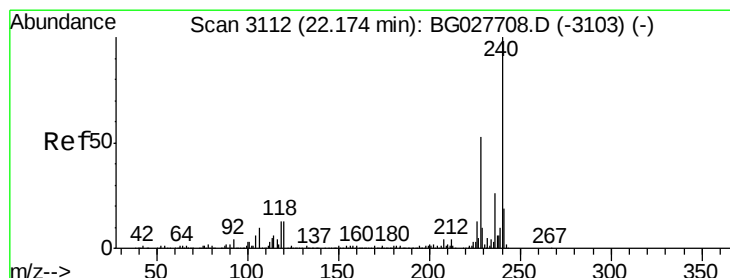
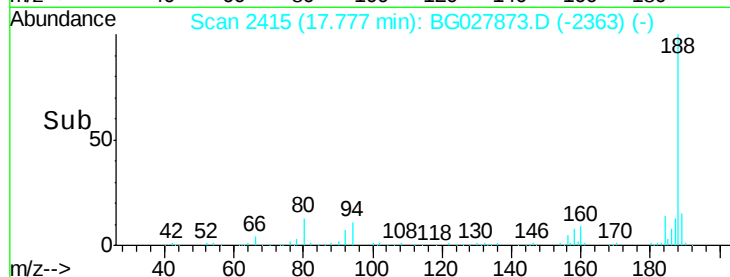
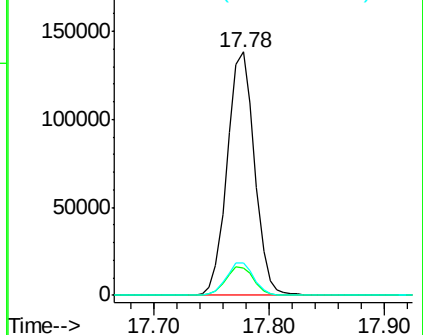
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.78 min Scan# 2415  
Delta R.T. 0.00 min  
Lab File: BG027873.D  
Acq: 7 Jul 2017 17:59

Instrument :  
BNA\_G  
ClientSampleId :  
SP-1-D

Tgt Ion:188 Resp: 227452  
Ion Ratio Lower Upper  
188 100  
94 11.2 5.8 8.8#  
80 13.3 7.5 11.3#

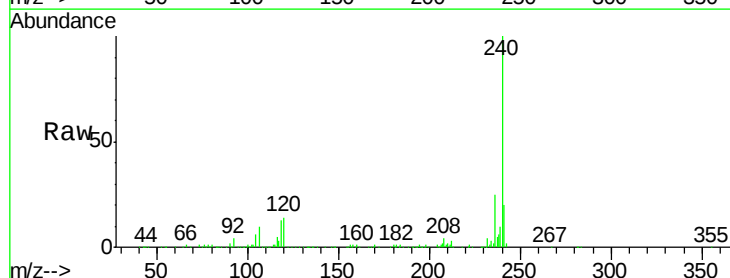


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

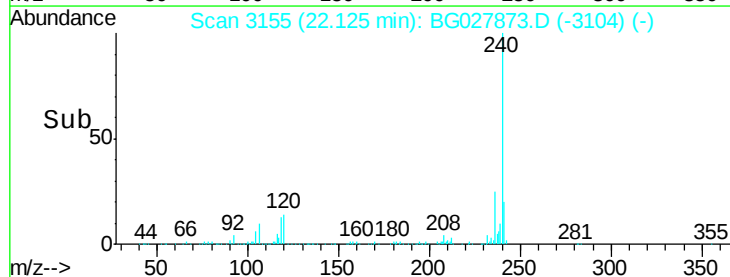
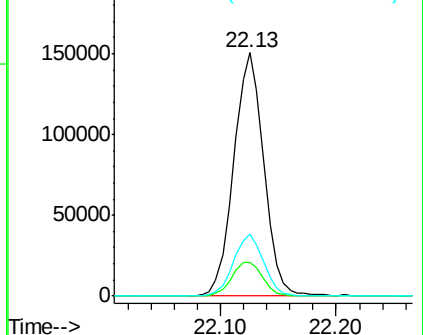


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.13 min Scan# 3155  
Delta R.T. -0.00 min  
Lab File: BG027873.D  
Acq: 7 Jul 2017 17:59

Tgt Ion:240 Resp: 271069  
Ion Ratio Lower Upper  
240 100  
120 14.0 5.7 8.5#  
236 25.3 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: 102.154 ng

RT: 20.36 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG027873.D

Acq: 7 Jul 2017 17:59

Instrument :

BNA\_G

ClientSampleId :

SP-1-D

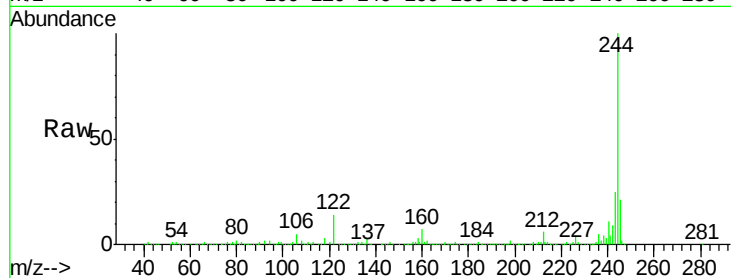
Tgt Ion:244 Resp: 1181156

Ion Ratio Lower Upper

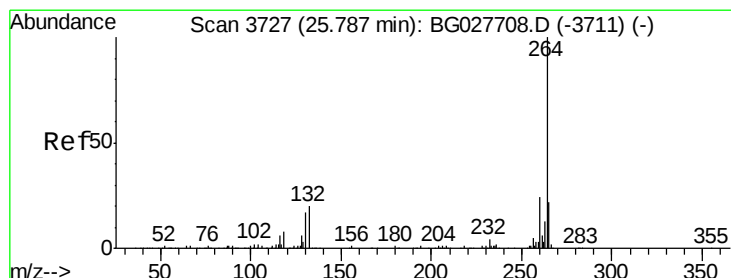
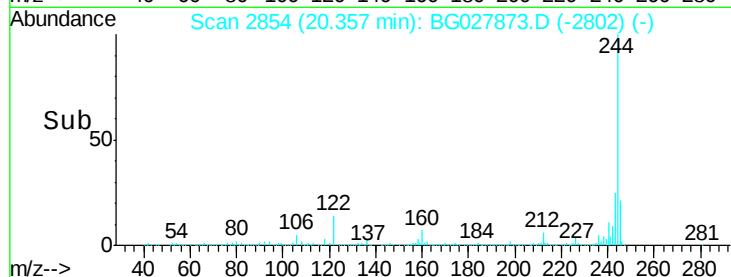
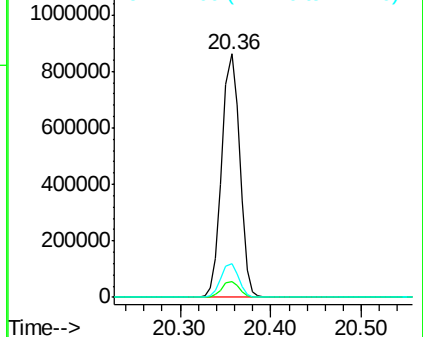
244 100

212 6.5 10.0 15.0#

122 13.7 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: 20.000 ng

RT: 25.70 min Scan# 3763

Delta R.T. -0.00 min

Lab File: BG027873.D

Acq: 7 Jul 2017 17:59

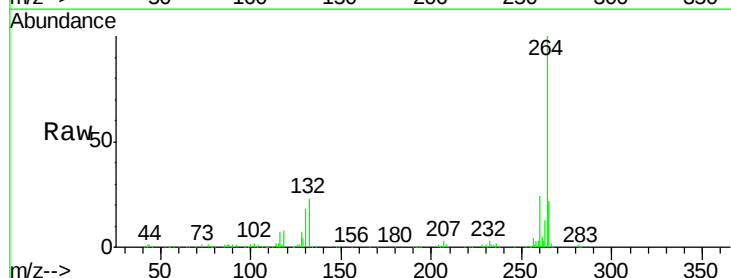
Tgt Ion:264 Resp: 260856

Ion Ratio Lower Upper

264 100

260 24.3 21.8 32.8

265 22.0 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

