

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070717\  
 Data File : BG027888.D  
 Acq On : 8 Jul 2017 3:56  
 Operator : SJ/JU  
 Sample : SP-4002  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jul 08 05:09:43 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   | 8.42  | 152  | 31734    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.25 | 136  | 139173   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.03 | 164  | 76078    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.78 | 188  | 213316   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.12 | 240  | 248552   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.69 | 264  | 237479   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.01  | 112  | 385432   | 187.03 | ng    | 0.00     |
| 7) Phenol-d6                | 7.58  | 99   | 503474   | 159.92 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.59  | 82   | 249027   | 99.74  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.51 | 330  | 246700   | 236.42 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.65 | 172  | 659381   | 123.78 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.36 | 244  | 1319891  | 124.49 | ng    | 0.00     |

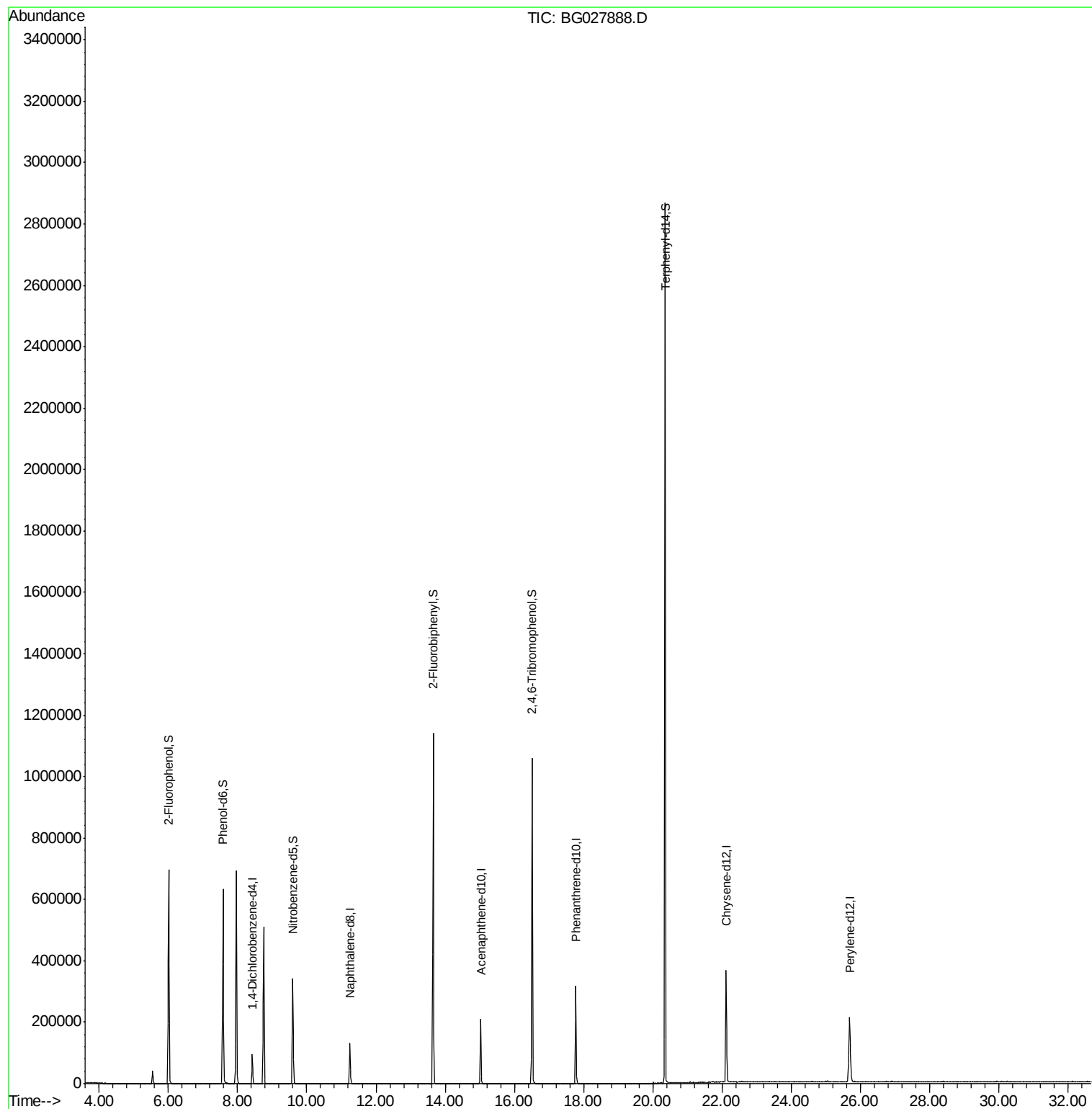
Target Compounds Qvalue

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

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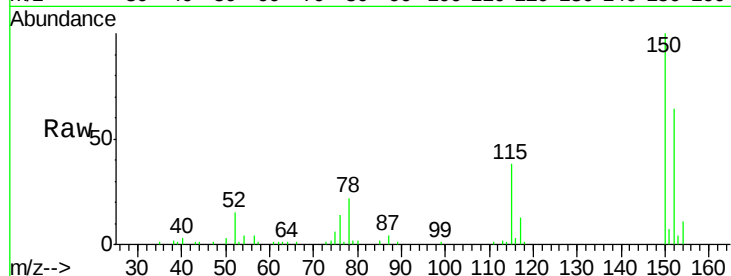


#1

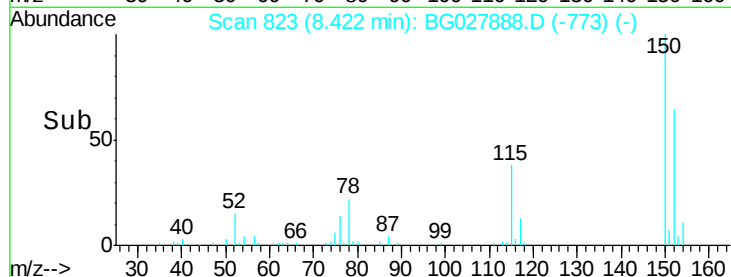
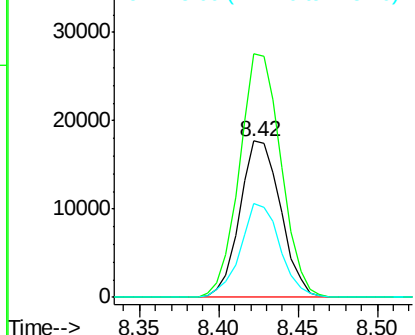
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.42 min Scan# 823  
Delta R.T. -0.00 min  
Lab File: BG027888.D  
Acq: 8 Jul 2017 3:56

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 31734  
Ion Ratio Lower Upper  
152 100  
150 156.0 114.0 171.0  
115 60.0 48.1 72.1



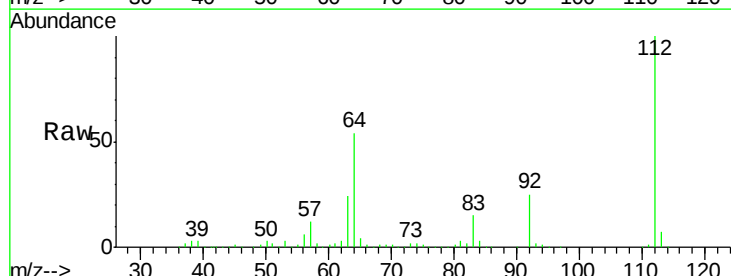
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



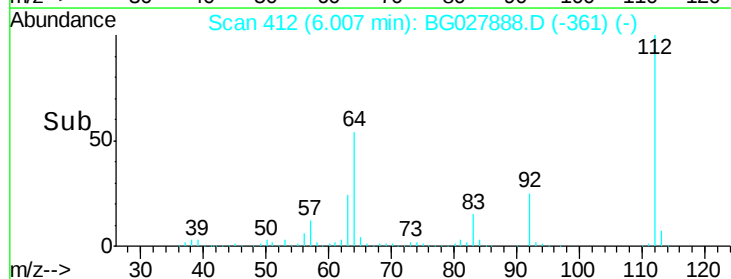
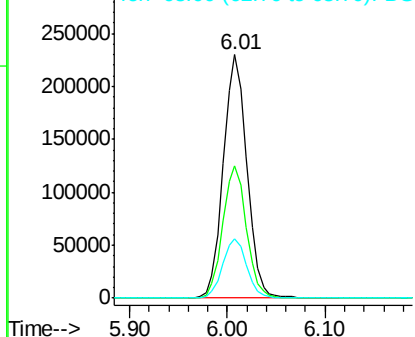
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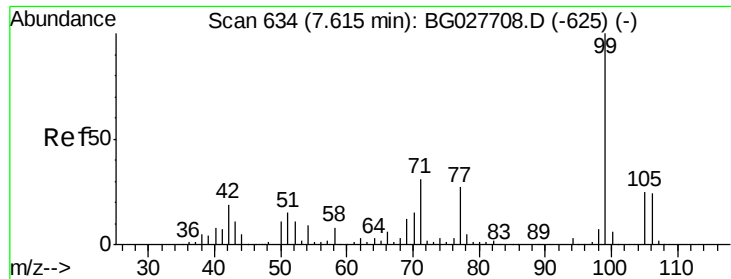
2-Fluorophenol  
Concen: 187.03 ng  
RT: 6.01 min Scan# 412  
Delta R.T. 0.00 min  
Lab File: BG027888.D  
Acq: 8 Jul 2017 3:56

Tgt Ion:112 Resp: 385432  
Ion Ratio Lower Upper  
112 100  
64 54.2 61.8 92.6#  
63 24.3 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: 159.92 ng

RT: 7.58 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG027888.D

Acq: 8 Jul 2017 3:56

Instrument :

BNA\_G

ClientSampleId :

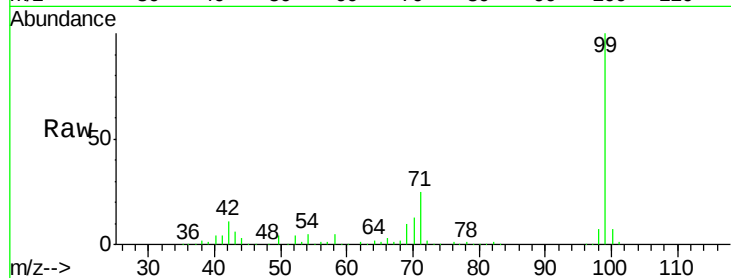
Tot Ion: 99 Resp: 503474

Ion Ratio Lower Upper

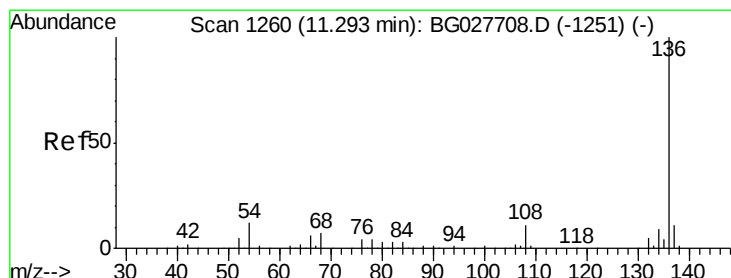
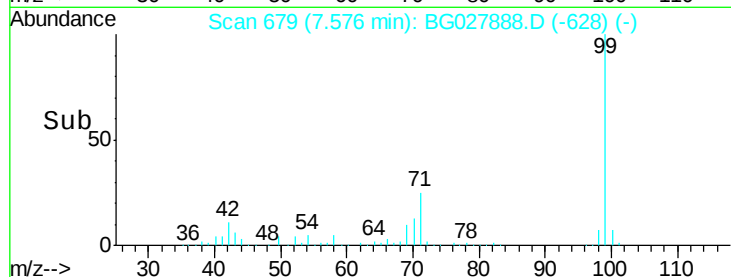
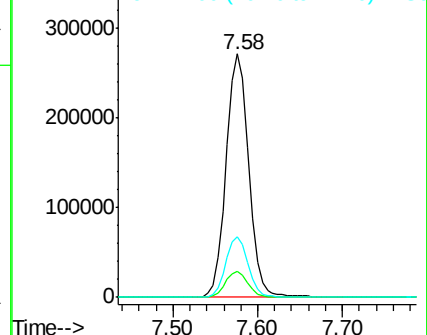
99 100

42 10.5 20.5 30.7#

71 24.9 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: 11.25 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BG027888.D

Acq: 8 Jul 2017 3:56

Tgt Ion: 136 Resp: 139173

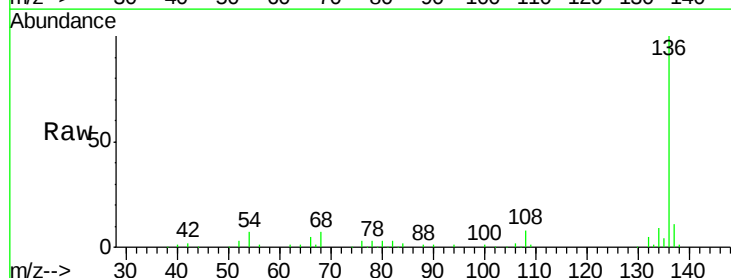
Ion Ratio Lower Upper

136 100

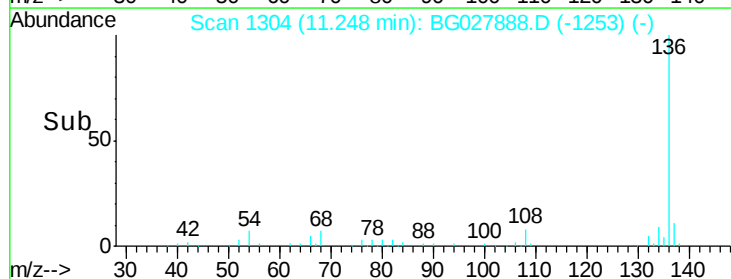
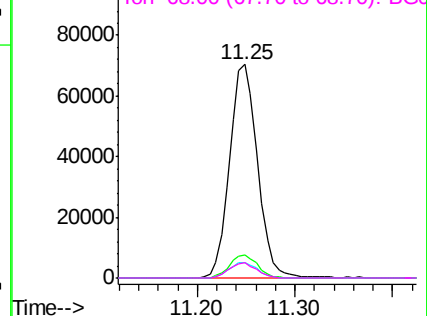
137 11.0 8.9 13.3

54 7.0 9.3 13.9#

68 6.9 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

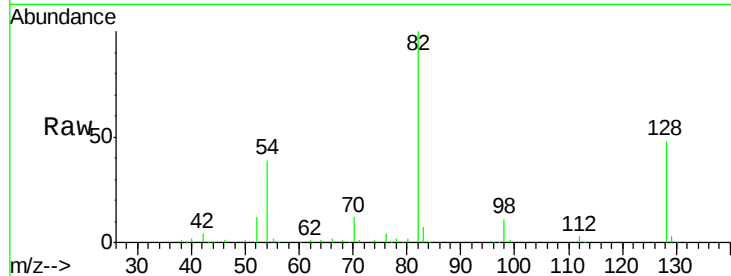




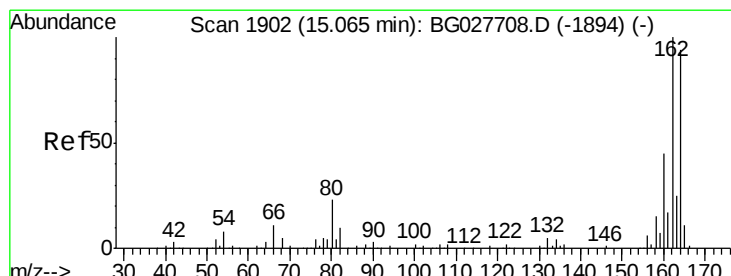
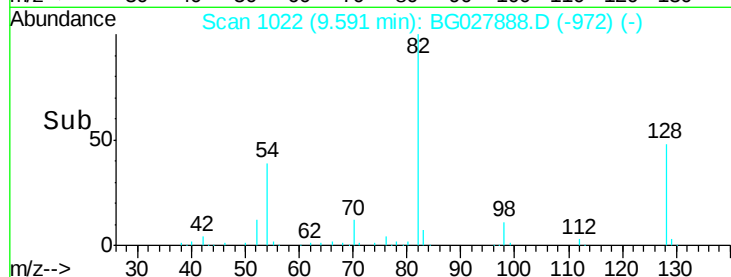
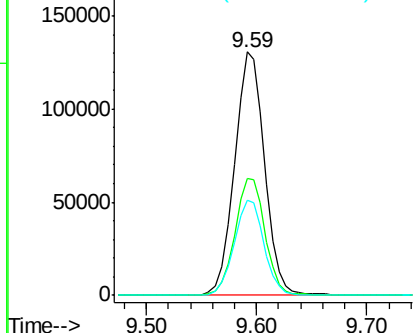
#23  
 Nitrobenzene-d5  
 Concen: 99.74 ng  
 RT: 9.59 min Scan# 1022  
 Delta R.T. -0.00 min  
 Lab File: BG027888.D  
 Acq: 8 Jul 2017 3:56

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion   | 82    | Resp  | 249027 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 48.0  | 26.4  | 39.6#  |
| 54        | 39.1  | 49.4  | 74.2#  |

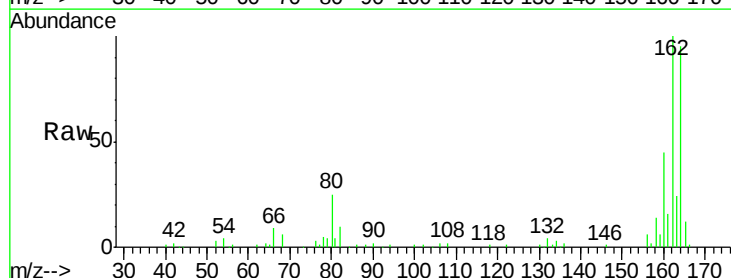


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

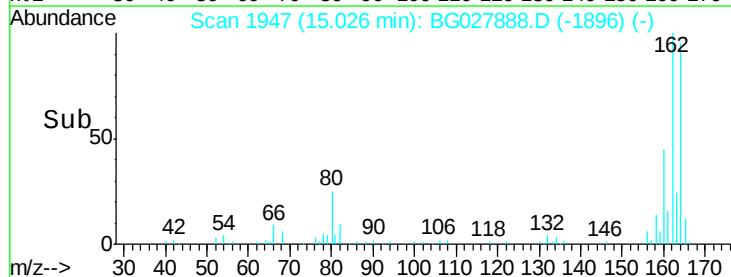
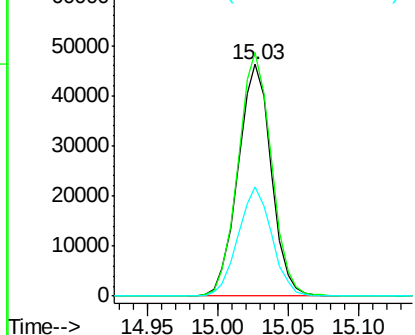


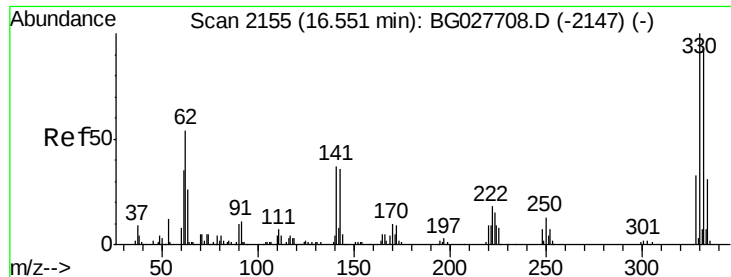
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.03 min Scan# 1947  
 Delta R.T. 0.00 min  
 Lab File: BG027888.D  
 Acq: 8 Jul 2017 3:56

| Tgt Ion   | 164   | Resp  | 76078 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 104.9 | 85.1  | 127.7 |
| 160       | 47.0  | 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

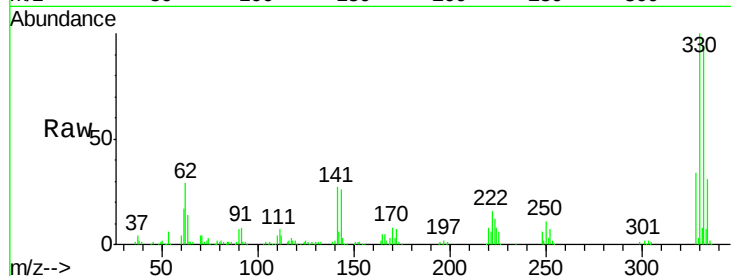




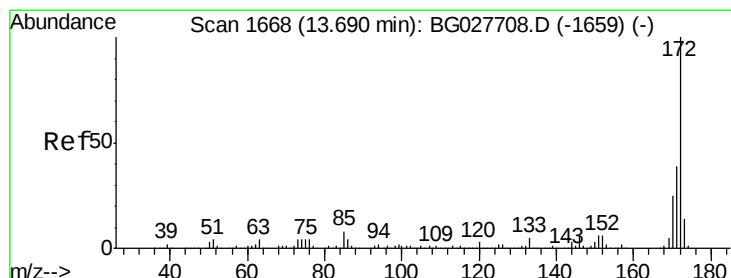
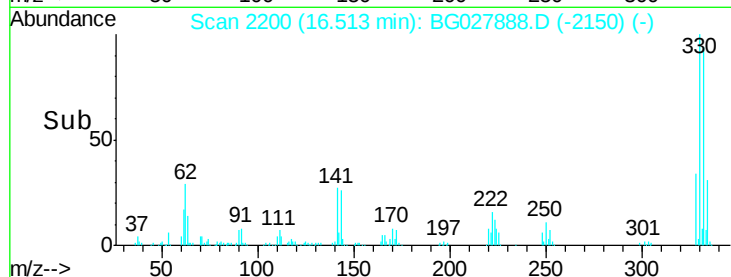
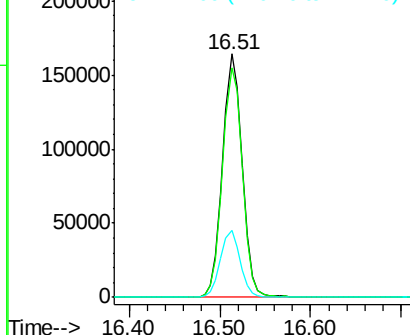
#41  
 2,4,6-Tribromophenol  
 Concen: 236.42 ng  
 RT: 16.51 min Scan# 2200  
 Delta R.T. -0.00 min  
 Lab File: BG027888.D  
 Acq: 8 Jul 2017 3:56

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 246700  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 77.3 115.9  
 141 27.5 32.1 48.1#

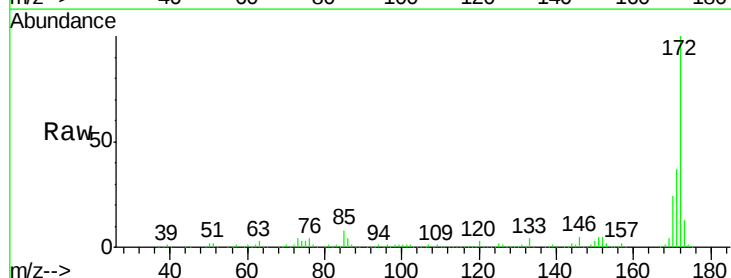


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

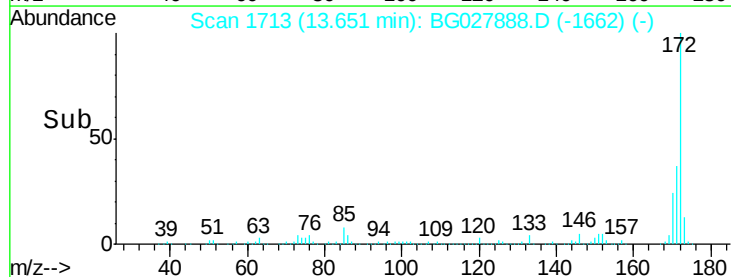
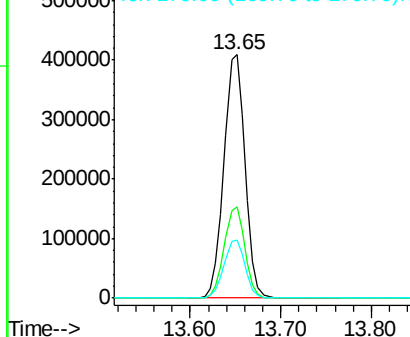


#44  
 2-Fluorobiphenyl  
 Concen: 123.78 ng  
 RT: 13.65 min Scan# 1713  
 Delta R.T. 0.00 min  
 Lab File: BG027888.D  
 Acq: 8 Jul 2017 3:56

Tgt Ion:172 Resp: 659381  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 32.2 48.2  
 170 24.1 21.8 32.6



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

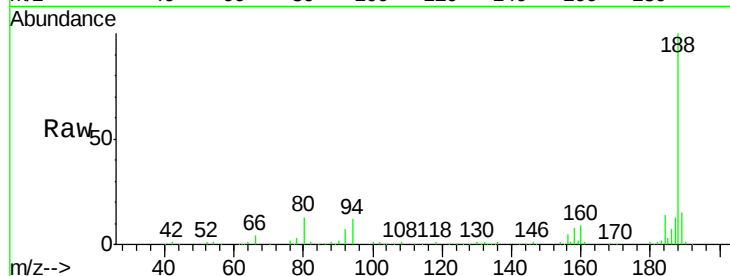




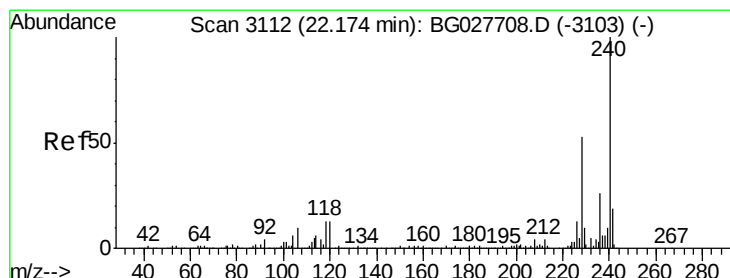
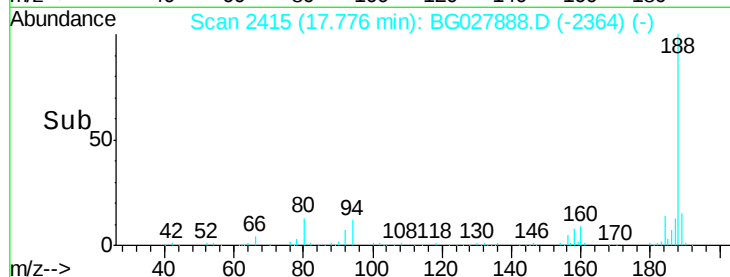
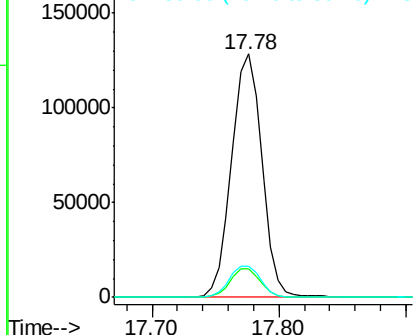
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.78 min Scan# 2415  
Delta R.T. 0.00 min  
Lab File: BG027888.D  
Acq: 8 Jul 2017 3:56

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 213316  
Ion Ratio Lower Upper  
188 100  
94 12.0 5.8 8.8#  
80 12.9 7.5 11.3#

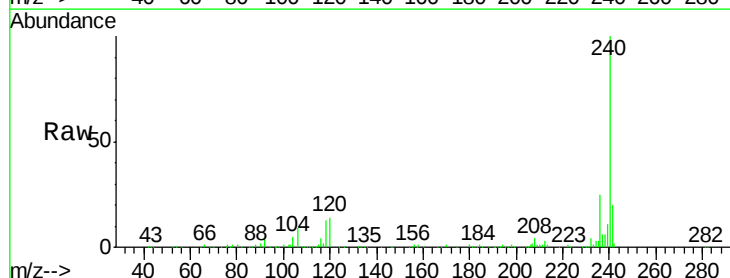


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGO  
Ion 80.00 (79.70 to 80.70): BGO

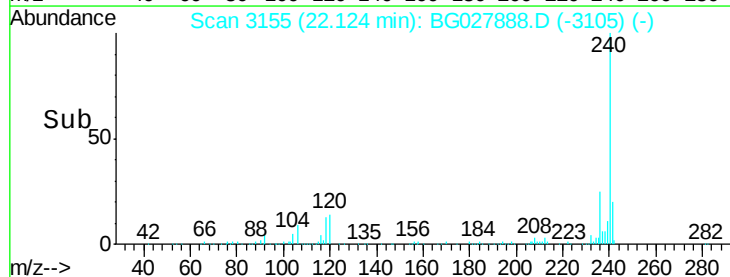
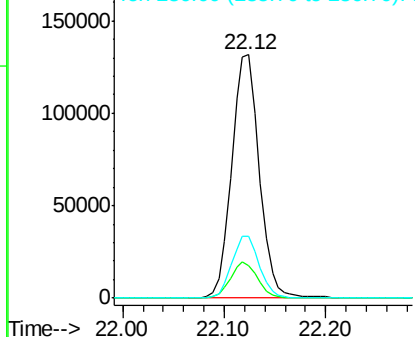


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.12 min Scan# 3155  
Delta R.T. -0.00 min  
Lab File: BG027888.D  
Acq: 8 Jul 2017 3:56

Tgt Ion:240 Resp: 248552  
Ion Ratio Lower Upper  
240 100  
120 13.5 5.7 8.5#  
236 25.2 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: 124.49 ng

RT: 20.36 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG027888.D

Acq: 8 Jul 2017 3:56

Instrument :

BNA\_G

ClientSampleId :

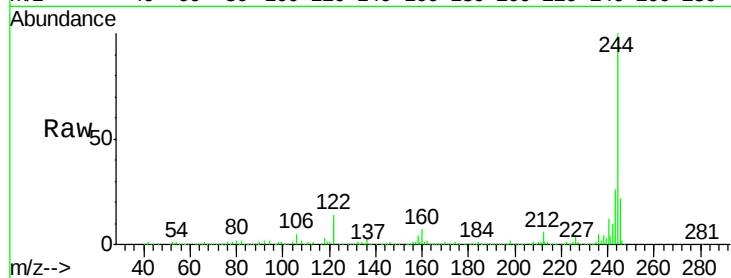
Tot Ion:244 Resp: 1319891

Ion Ratio Lower Upper

244 100

212 6.3 10.0 15.0#

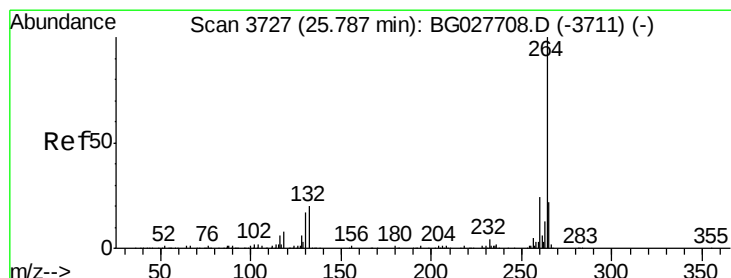
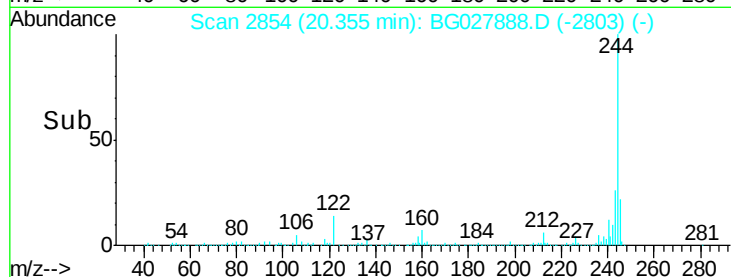
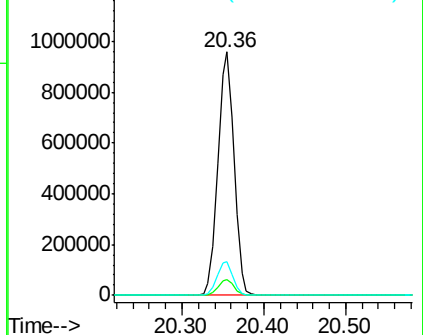
122 13.7 8.6 12.8#



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: 20.00 ng

RT: 25.69 min Scan# 3762

Delta R.T. -0.01 min

Lab File: BG027888.D

Acq: 8 Jul 2017 3:56

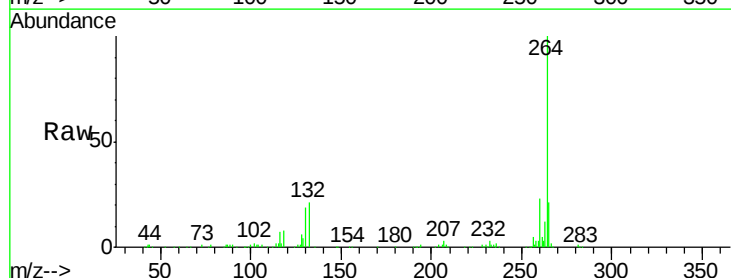
Tgt Ion:264 Resp: 237479

Ion Ratio Lower Upper

264 100

260 23.3 21.8 32.8

265 20.7 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

