

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG070517\  
 Data File : BG027857.D  
 Acq On : 5 Jul 2017 21:08  
 Operator : SJ/JU  
 Sample : I4052-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-03-070317-A

Quant Time: Jul 06 01:00:53 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   | 8.45  | 152  | 28467    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 11.27 | 136  | 127386   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 15.04 | 164  | 80322    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.79 | 188  | 227565   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 22.14 | 240  | 231934   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 25.72 | 264  | 69613    | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.03  | 112  | 209855   | 113.52 | ng    | -0.02    |
| 7) Phenol-d6                | 7.60  | 99   | 255951   | 90.63  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.62  | 82   | 193787   | 84.80  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.53 | 330  | 215558   | 195.66 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.66 | 172  | 522557   | 92.91  | ng    | -0.03    |
| 78) Terphenyl-d14           | 20.37 | 244  | 1132374  | 114.46 | ng    | -0.02    |

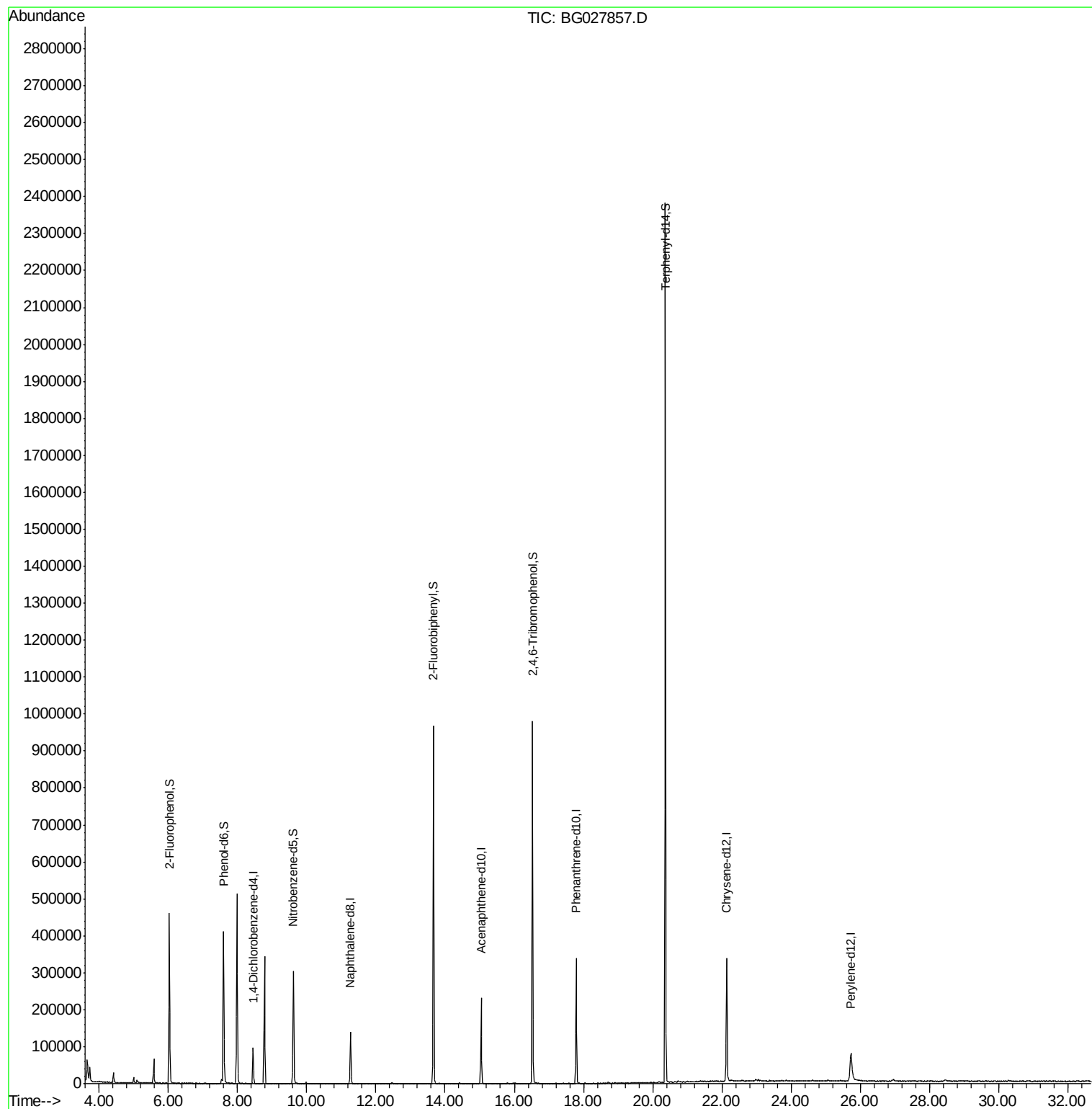
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

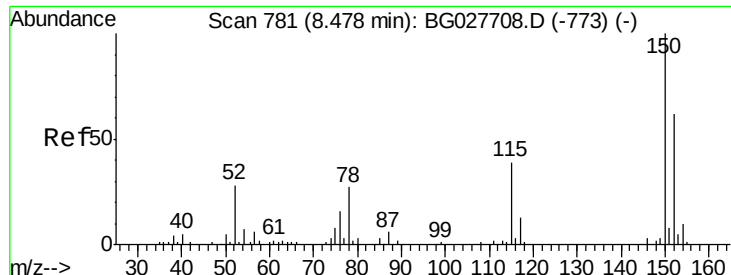
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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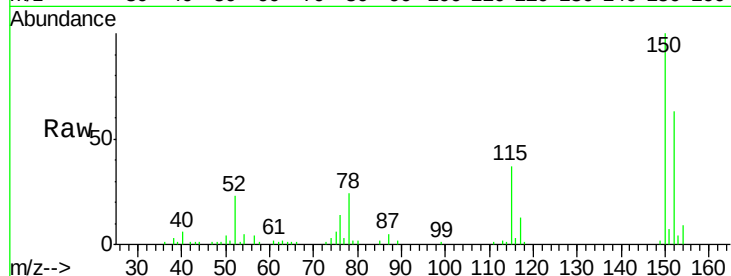




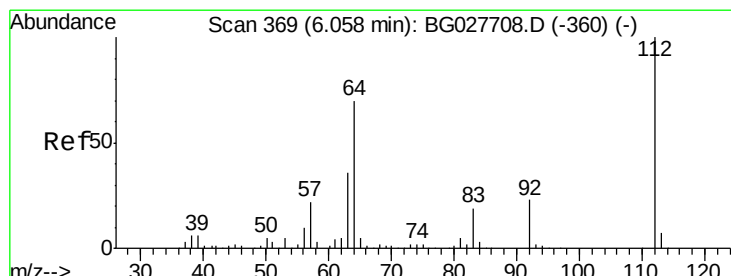
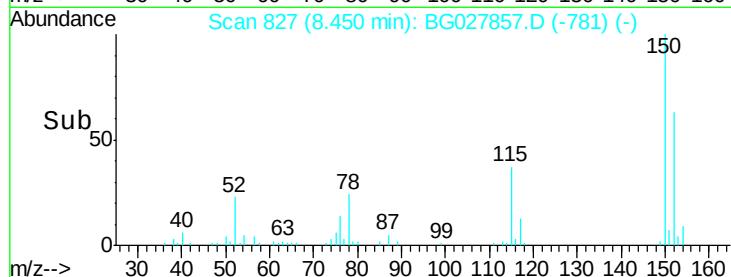
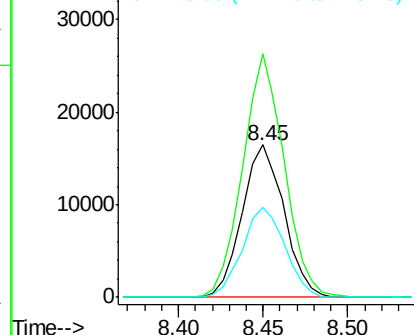
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.45 min Scan# 827  
 Delta R.T. -0.03 min  
 Lab File: BG027857.D  
 Acq: 5 Jul 2017 21:08

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-03-070317-A

Tgt Ion:152 Resp: 28467  
 Ion Ratio Lower Upper  
 152 100  
 150 159.5 114.0 171.0  
 115 58.6 48.1 72.1

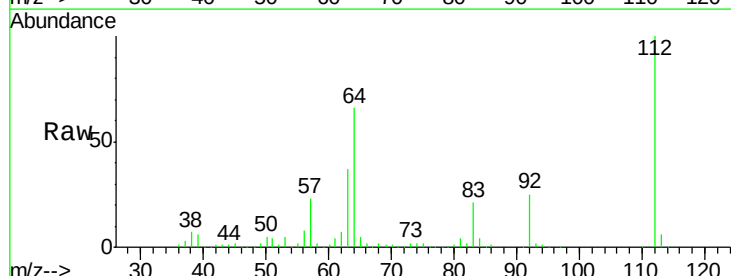


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

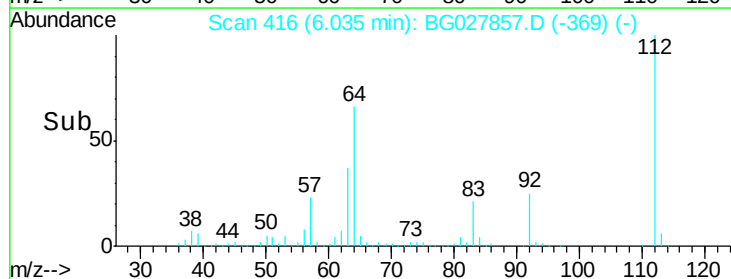
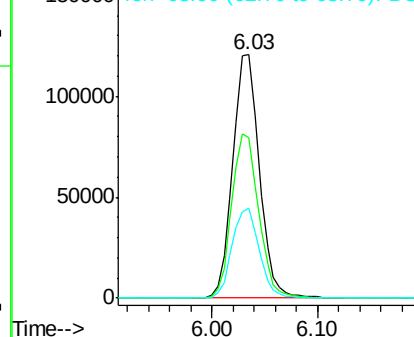


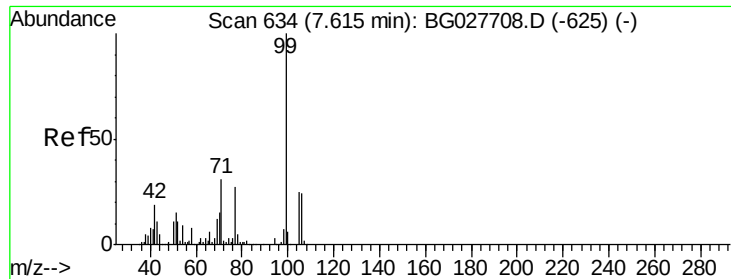
#5  
 2-Fluorophenol  
 Concen: 113.520 ng  
 RT: 6.03 min Scan# 416  
 Delta R.T. -0.02 min  
 Lab File: BG027857.D  
 Acq: 5 Jul 2017 21:08

Tgt Ion:112 Resp: 209855  
 Ion Ratio Lower Upper  
 112 100  
 64 66.1 61.8 92.6  
 63 37.0 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: 90.630 ng

RT: 7.60 min Scan# 682

Delta R.T. -0.02 min

Lab File: BG027857.D

Acq: 5 Jul 2017 21:08

Instrument :

BNA\_G

ClientSampleId :

HR-03-070317-A

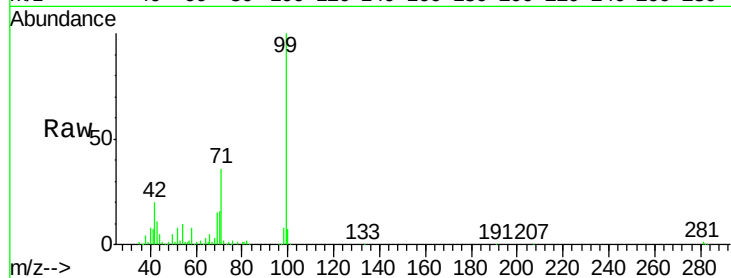
Tgt Ion: 99 Resp: 255951

Ion Ratio Lower Upper

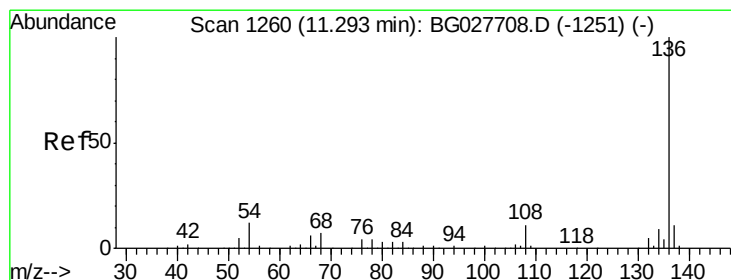
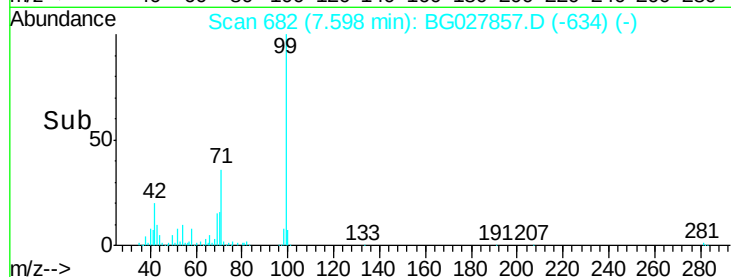
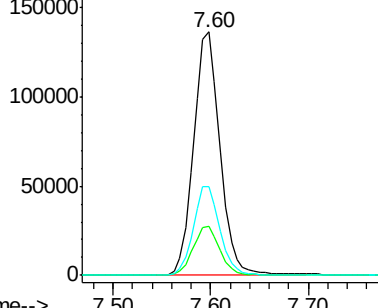
99 100

42 20.0 20.5 30.7#

71 36.5 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: 11.27 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BG027857.D

Acq: 5 Jul 2017 21:08

Tgt Ion: 136 Resp: 127386

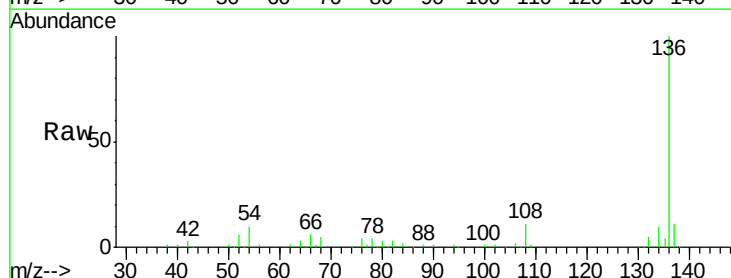
Ion Ratio Lower Upper

136 100

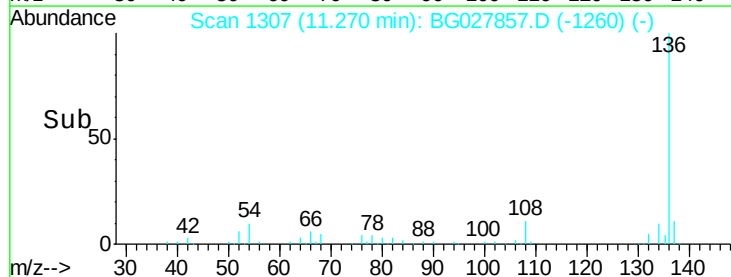
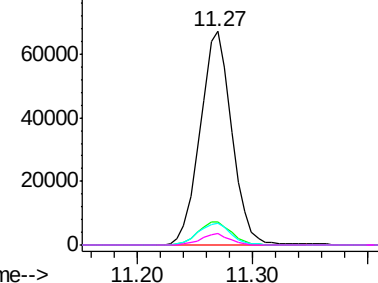
137 10.9 8.9 13.3

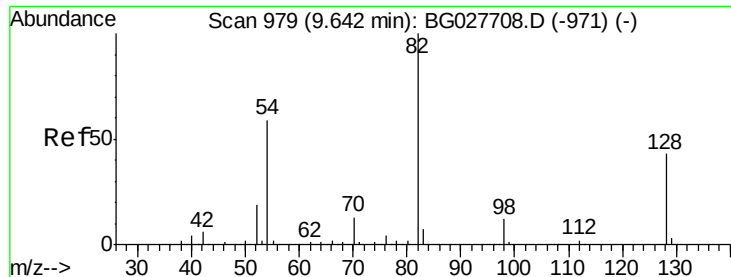
54 10.3 9.3 13.9

68 5.1 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

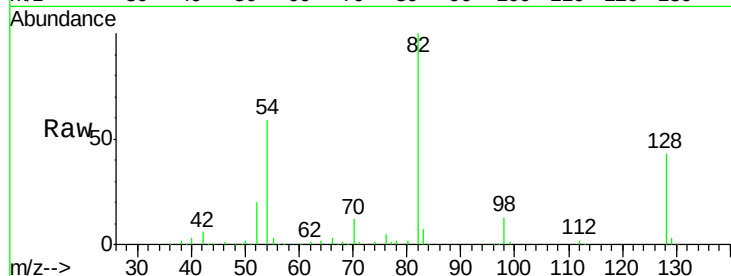




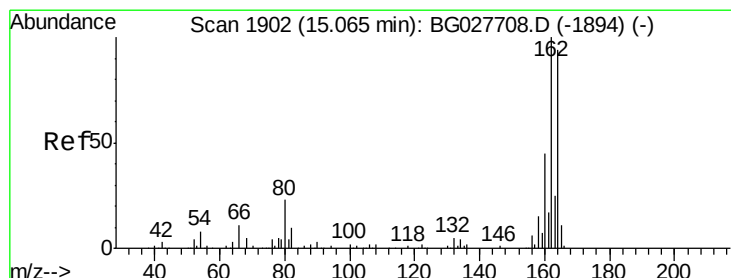
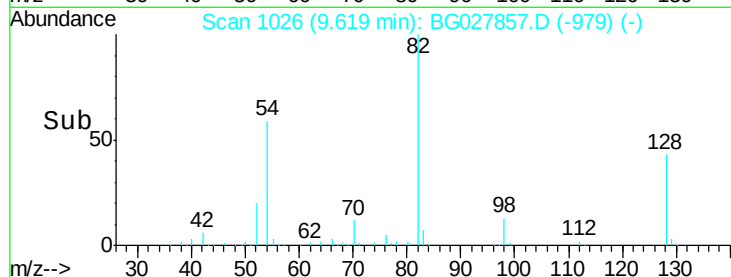
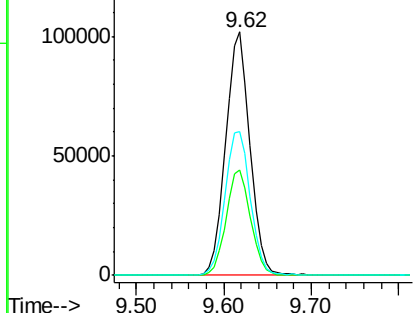
#23  
 Nitrobenzene-d5  
 Concen: 84.796 ng  
 RT: 9.62 min Scan# 1026  
 Delta R.T. -0.02 min  
 Lab File: BG027857.D  
 Acq: 5 Jul 2017 21:08

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-03-070317-A

Tgt Ion: 82 Resp: 193787  
 Ion Ratio Lower Upper  
 82 100  
 128 43.0 26.4 39.6#  
 54 59.3 49.4 74.2

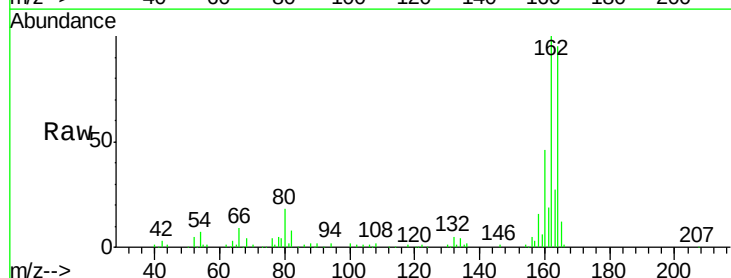


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

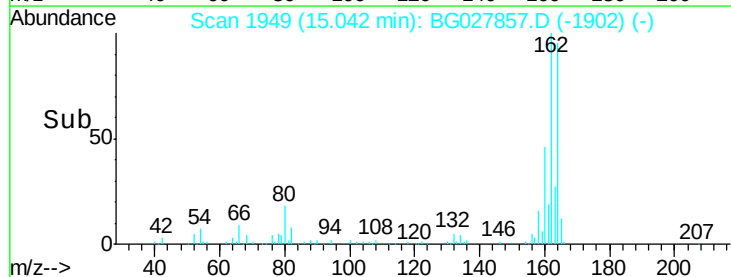
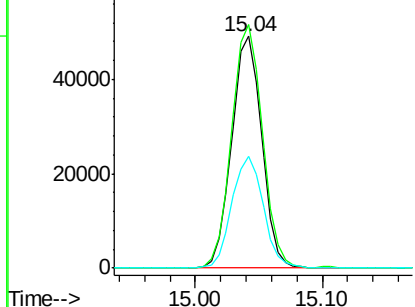


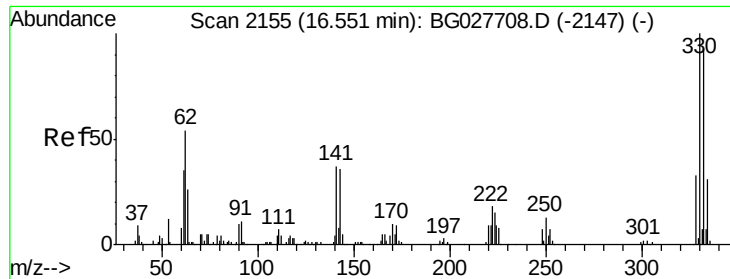
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.04 min Scan# 1949  
 Delta R.T. -0.02 min  
 Lab File: BG027857.D  
 Acq: 5 Jul 2017 21:08

Tgt Ion: 164 Resp: 80322  
 Ion Ratio Lower Upper  
 164 100  
 162 105.0 85.1 127.7  
 160 48.0 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

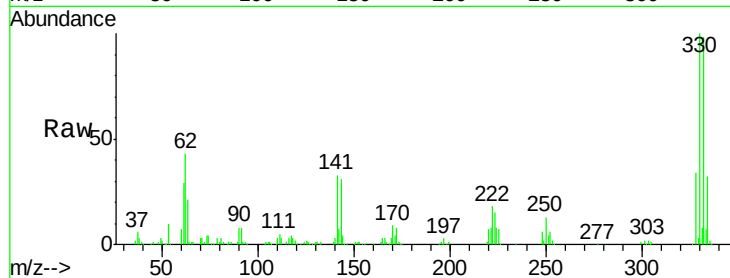




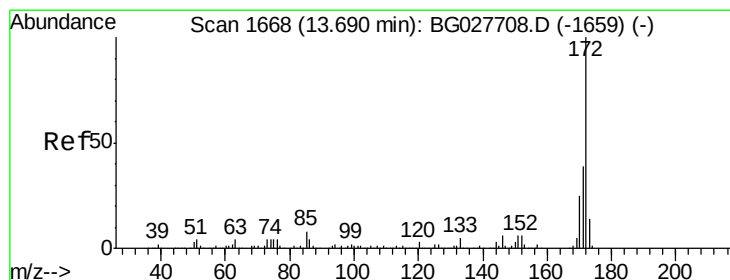
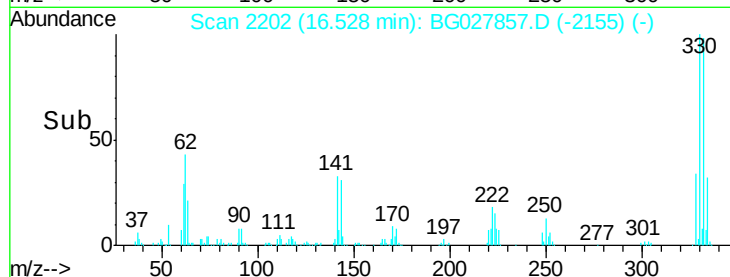
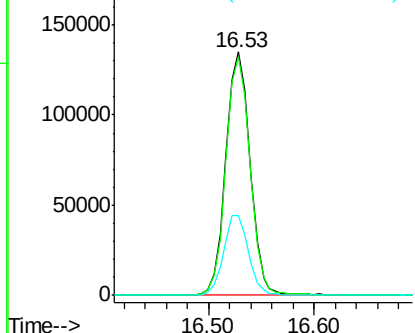
#41  
 2,4,6-Tribromophenol  
 Concen: 195.659 ng  
 RT: 16.53 min Scan# 2202  
 Delta R.T. -0.02 min  
 Lab File: BG027857.D  
 Acq: 5 Jul 2017 21:08

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-03-070317-A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 77.3  | 115.9 |
| 141     | 33.6  | 32.1  | 48.1  |

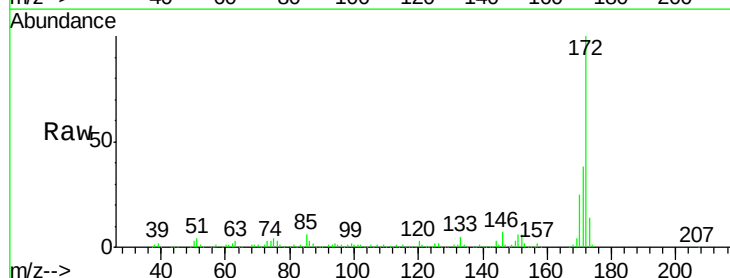


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

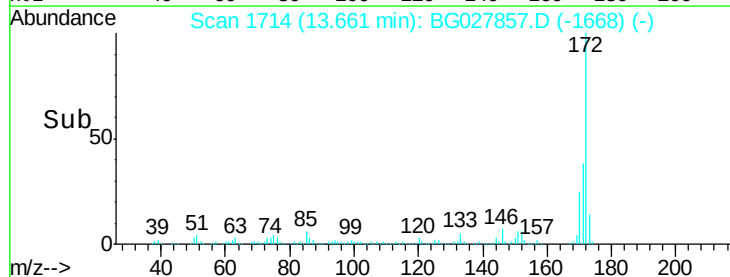
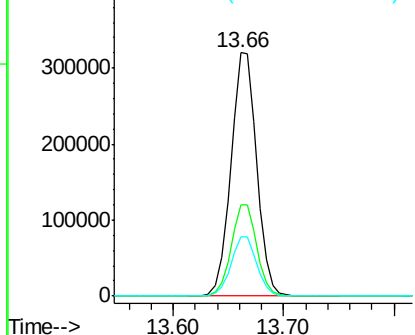


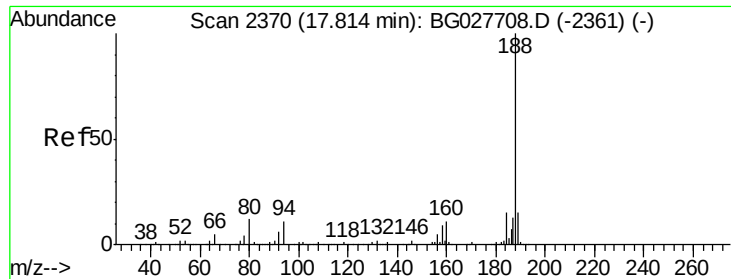
#44  
 2-Fluorobiphenyl  
 Concen: 92.914 ng  
 RT: 13.66 min Scan# 1714  
 Delta R.T. -0.03 min  
 Lab File: BG027857.D  
 Acq: 5 Jul 2017 21:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 32.2  | 48.2  |
| 170     | 24.5  | 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

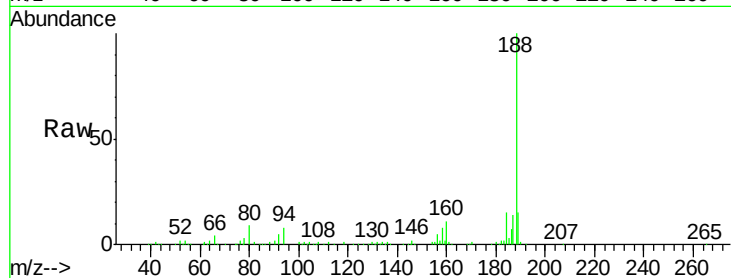




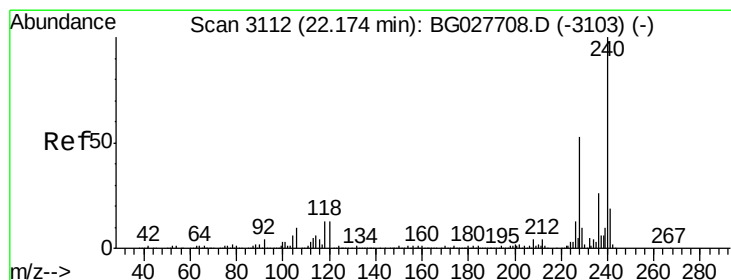
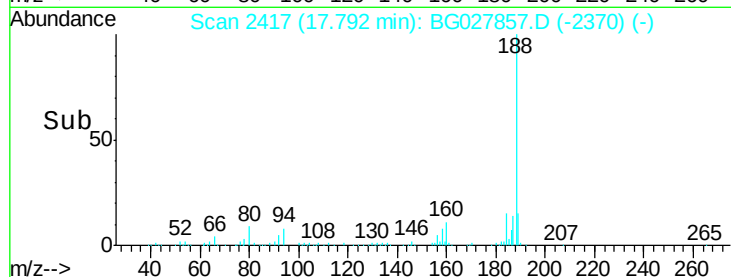
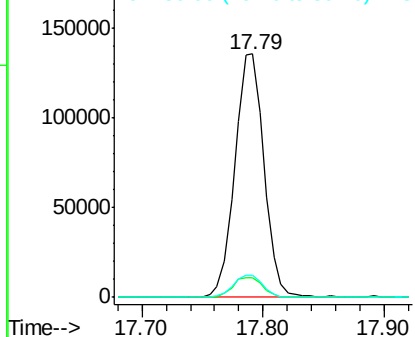
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.79 min Scan# 2417  
Delta R.T. -0.02 min  
Lab File: BG027857.D  
Acq: 5 Jul 2017 21:08

Instrument :  
BNA\_G  
ClientSampleId :  
HR-03-070317-A

Tgt Ion:188 Resp: 227565  
Ion Ratio Lower Upper  
188 100  
94 7.9 5.8 8.8  
80 8.9 7.5 11.3

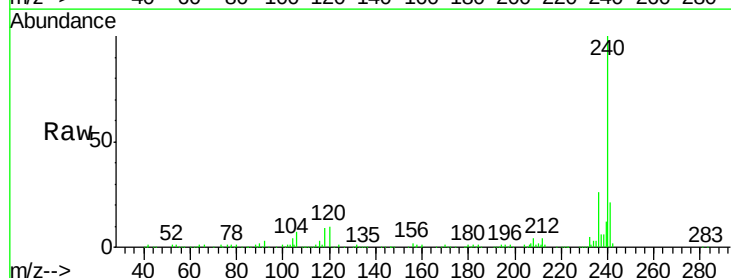


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

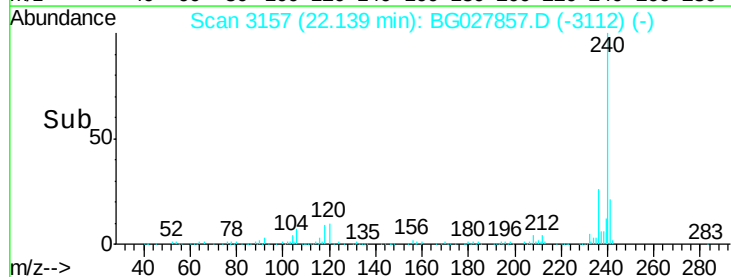
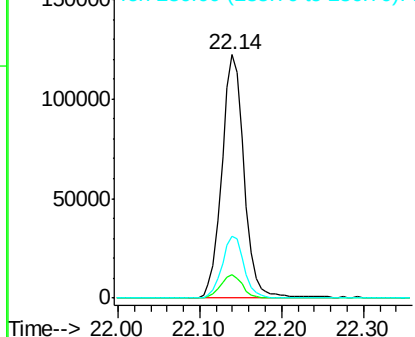


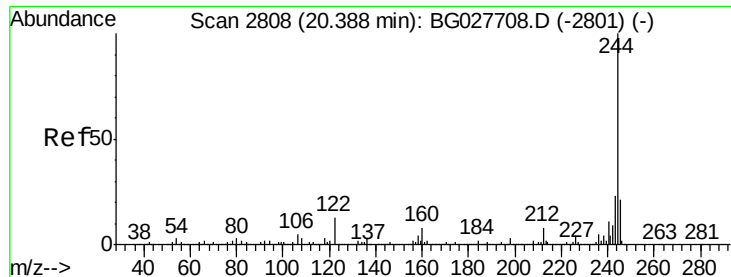
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.14 min Scan# 3157  
Delta R.T. -0.03 min  
Lab File: BG027857.D  
Acq: 5 Jul 2017 21:08

Tgt Ion:240 Resp: 231934  
Ion Ratio Lower Upper  
240 100  
120 9.8 5.7 8.5#  
236 25.5 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: 114.459 ng

RT: 20.37 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BG027857.D

Acq: 5 Jul 2017 21:08

Instrument :

BNA\_G

ClientSampleId :

HR-03-070317-A

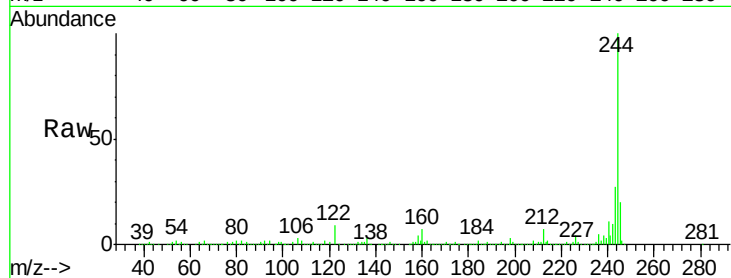
Tgt Ion:244 Resp: 1132374

Ion Ratio Lower Upper

244 100

212 7.4 10.0 15.0#

122 9.4 8.6 12.8

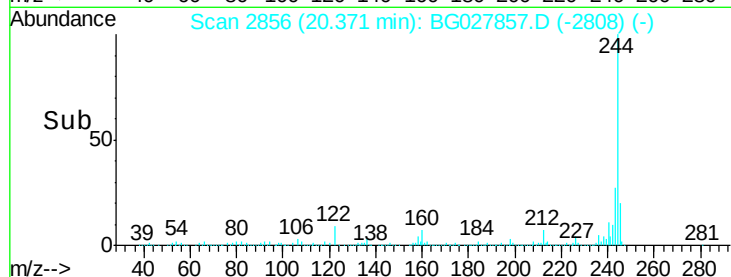


Abundance Ion 244.00 (243.70 to 244.70): E

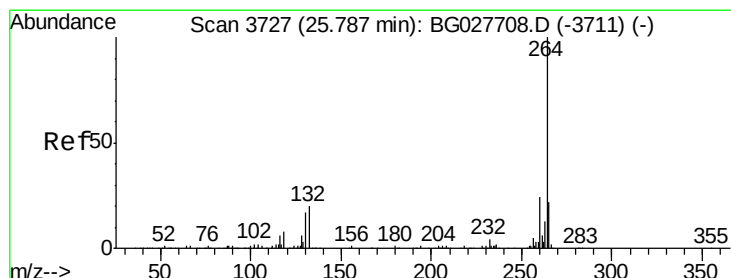
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

20.37



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.72 min Scan# 3767

Delta R.T. -0.06 min

Lab File: BG027857.D

Acq: 5 Jul 2017 21:08

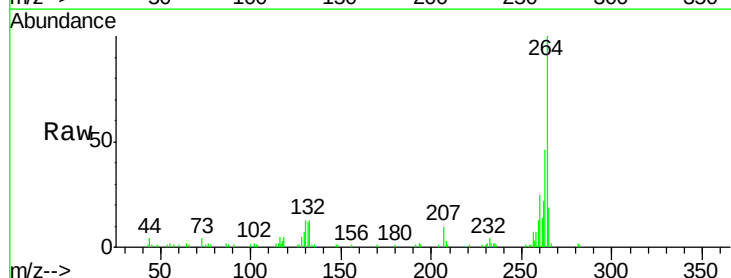
Tgt Ion:264 Resp: 69613

Ion Ratio Lower Upper

264 100

260 24.6 21.8 32.8

265 19.3 18.2 27.4

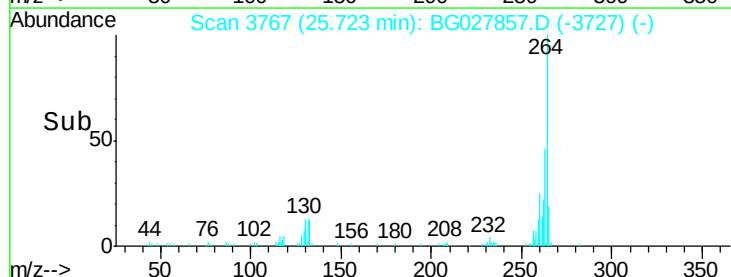


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

25.72



Time-->