

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121118\  
 Data File : BG038493.D  
 Acq On : 12 Dec 2018 7:47  
 Operator : JU/SJ  
 Sample : J6331-30  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-5

Quant Time: Dec 12 10:22:14 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 04 17:15:40 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.07  | 152  | 21055    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.89 | 136  | 90314    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.71 | 164  | 62733    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.45 | 188  | 160110   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.73 | 240  | 160822   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.04 | 264  | 163117   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 186802   | 157.00 | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 239739   | 139.41 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.25  | 82   | 185308   | 101.87 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.19 | 330  | 117485   | 152.55 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.33 | 172  | 450814   | 102.40 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.05 | 244  | 853120   | 113.64 | ng    | 0.00     |

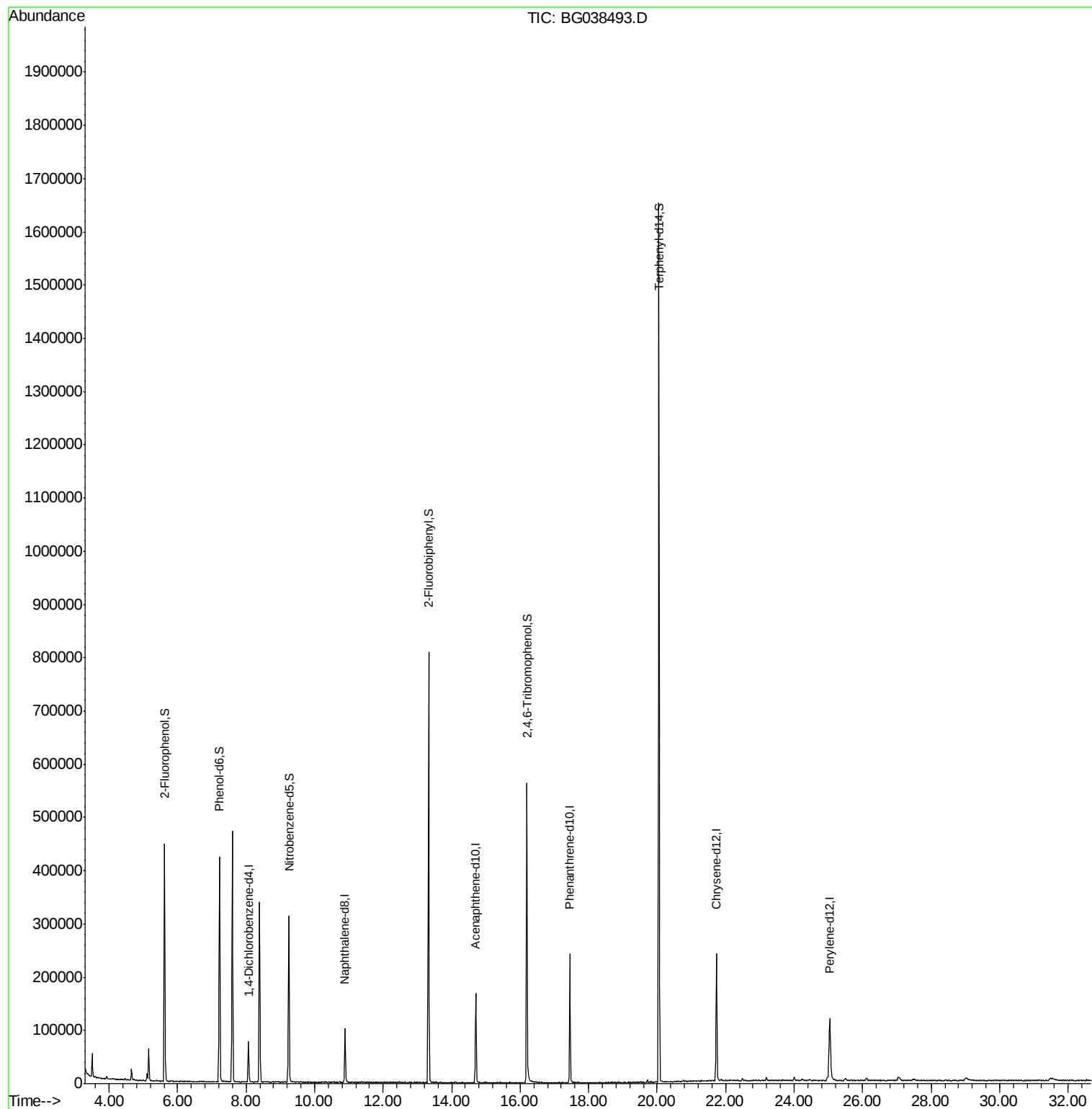
Target Compounds Qvalue

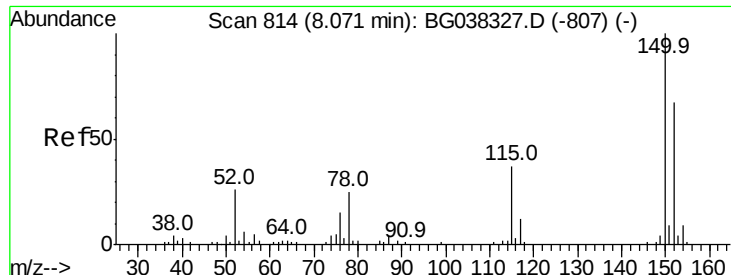
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 04 17:15:40 2018  
Response via : Initial Calibration



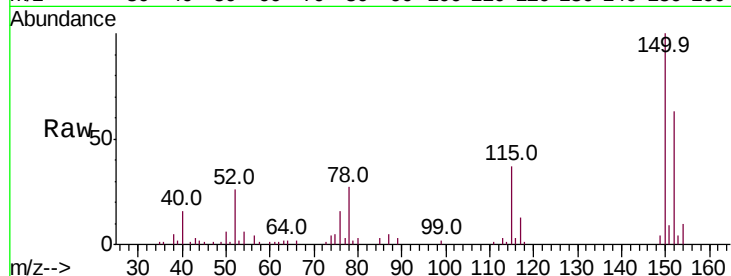


#1

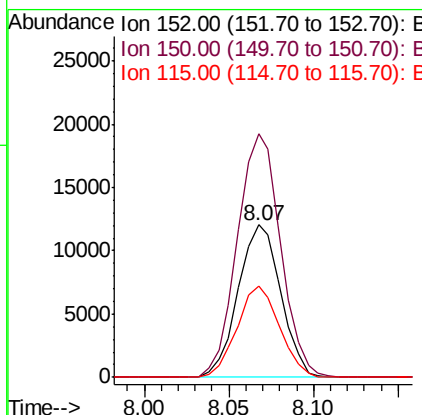
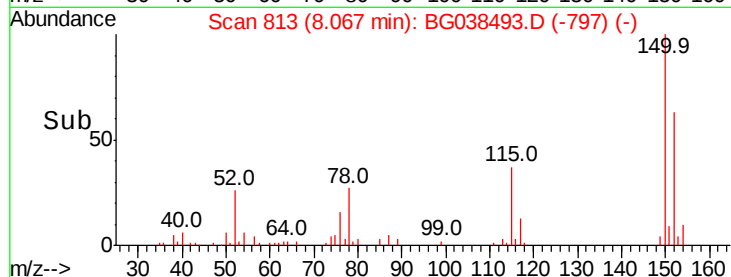
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.07 min Scan# 813  
 Delta R.T. -0.00 min  
 Lab File: BG038493.D  
 Acq: 12 Dec 2018 7:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-5

Tot Ion:152 Resp: 21055  
 Ion Ratio Lower Upper  
 152 100  
 150 159.5 126.0 189.0  
 115 59.7 45.5 68.3



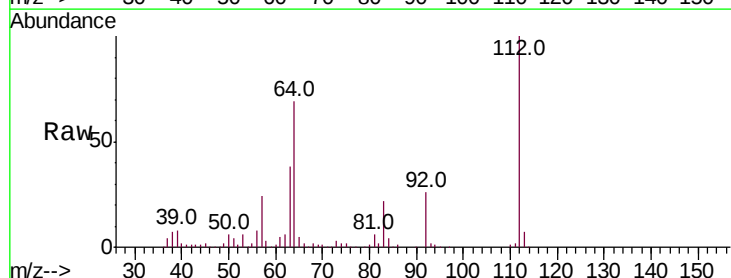
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



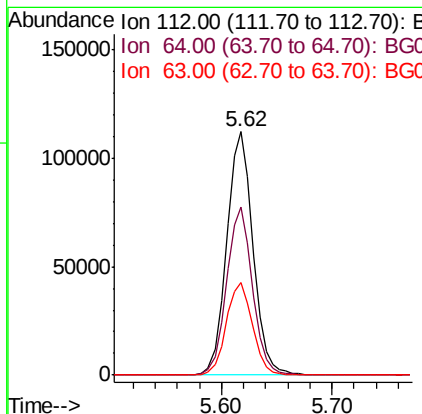
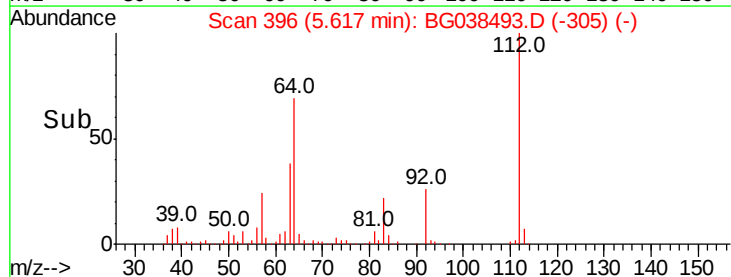
#5

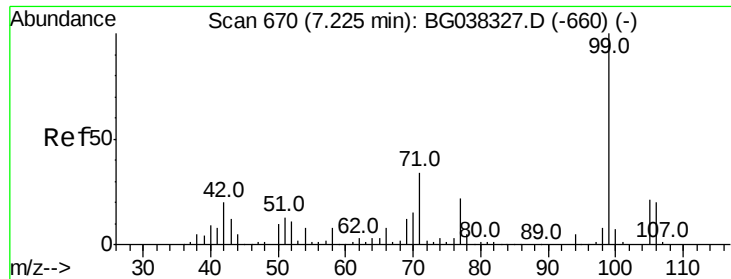
2-Fluorophenol  
 Concen: 157.004 ng  
 RT: 5.62 min Scan# 396  
 Delta R.T. 0.00 min  
 Lab File: BG038493.D  
 Acq: 12 Dec 2018 7:47

Tgt Ion:112 Resp: 186802  
 Ion Ratio Lower Upper  
 112 100  
 64 68.9 53.1 79.7  
 63 38.1 27.3 40.9



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: 139.412 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG038493.D

Acq: 12 Dec 2018 7:47

Instrument :

BNA\_G

ClientSampleId :

TP-5

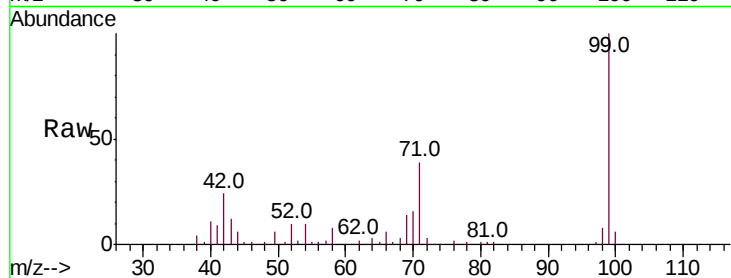
Tot Ion: 99 Resp: 239739

Ion Ratio Lower Upper

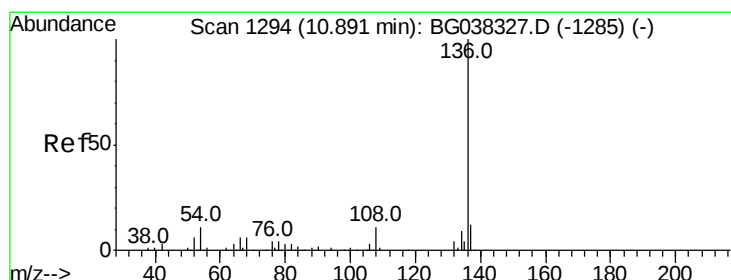
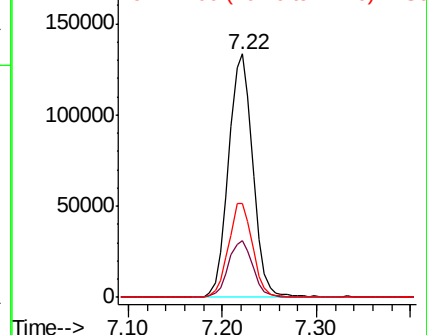
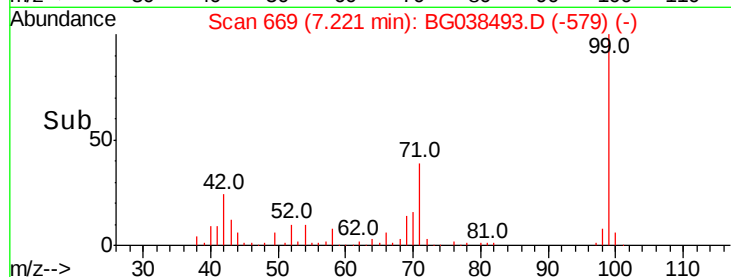
99 100

42 23.6 15.0 22.4#

71 38.8 25.5 38.3#



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: 10.89 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BG038493.D

Acq: 12 Dec 2018 7:47

Tgt Ion: 136 Resp: 90314

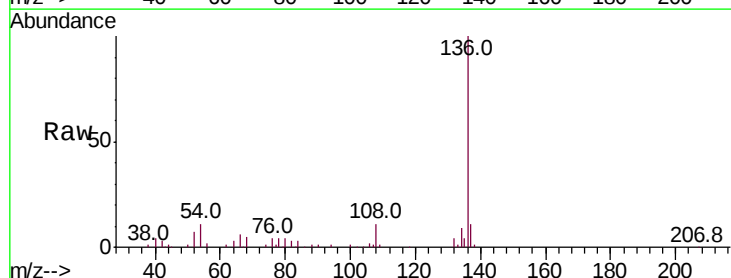
Ion Ratio Lower Upper

136 100

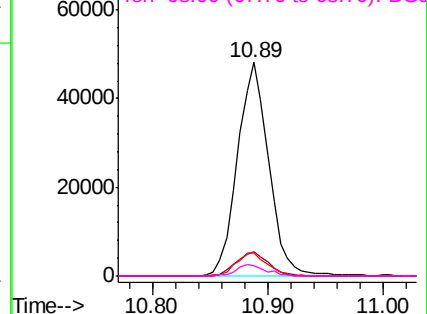
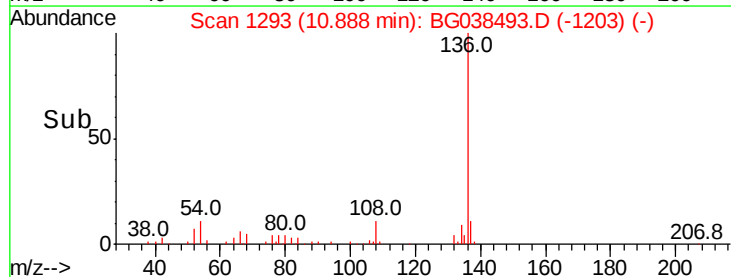
137 11.3 9.6 14.4

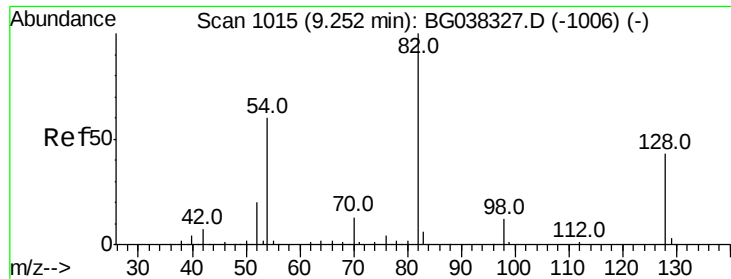
54 10.8 7.9 11.9

68 4.7 4.8 7.2#



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: 101.868 ng

RT: 9.25 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BG038493.D

Acq: 12 Dec 2018 7:47

Instrument :

BNA\_G

ClientSampleId :

TP-5

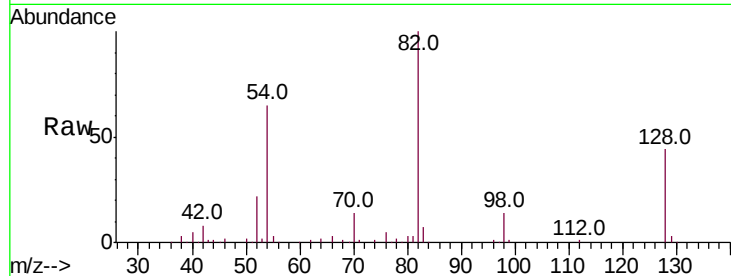
Tot Ion: 82 Resp: 185308

Ion Ratio Lower Upper

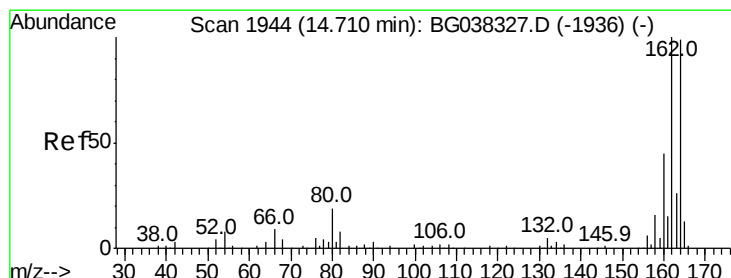
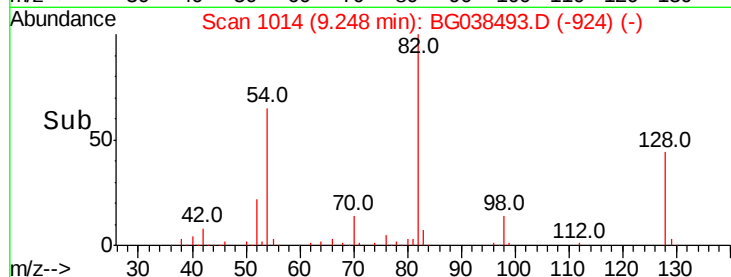
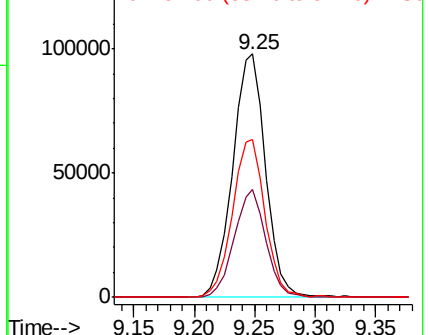
82 100

128 44.3 34.6 51.8

54 64.7 45.3 67.9



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1943

Delta R.T. -0.00 min

Lab File: BG038493.D

Acq: 12 Dec 2018 7:47

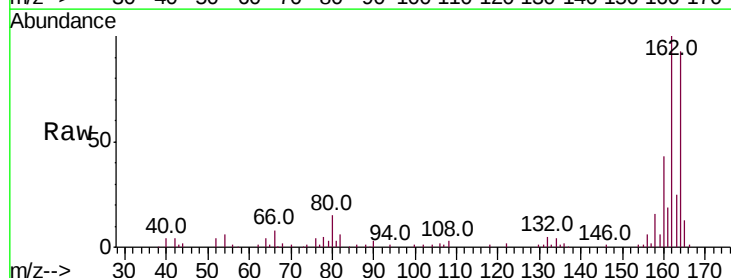
Tgt Ion:164 Resp: 62733

Ion Ratio Lower Upper

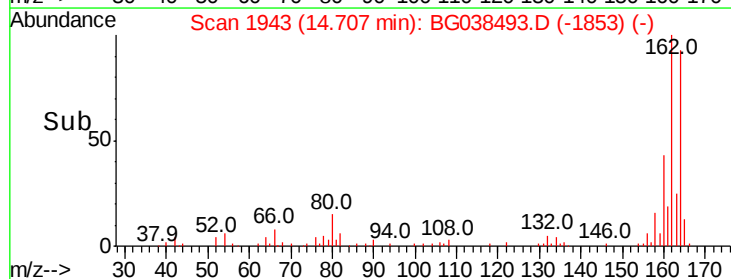
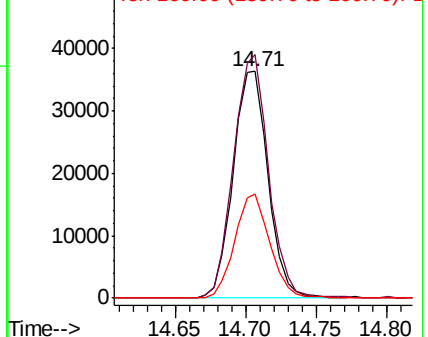
164 100

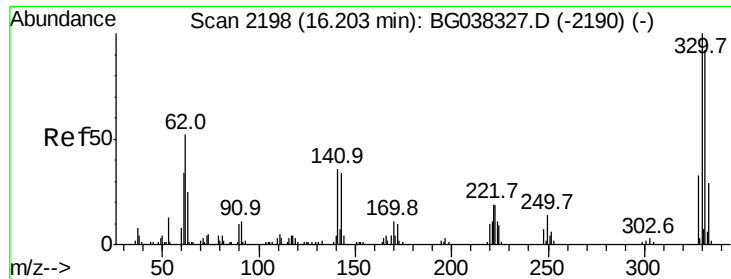
162 107.3 81.3 121.9

160 45.9 36.3 54.5



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

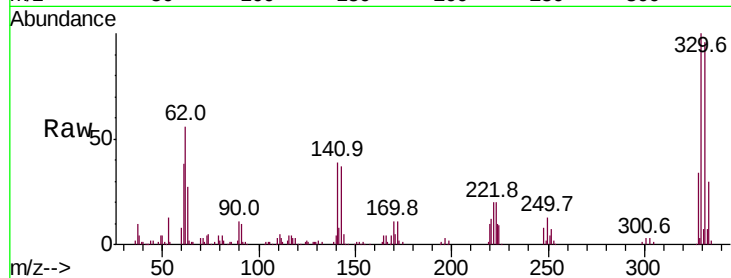




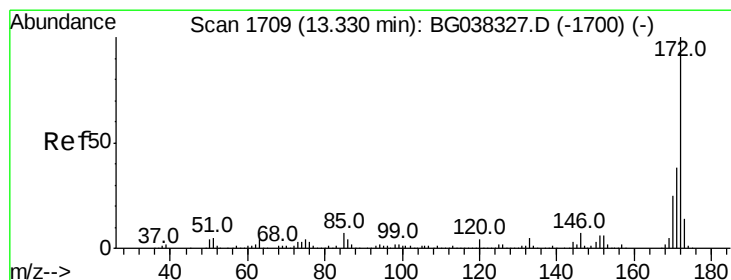
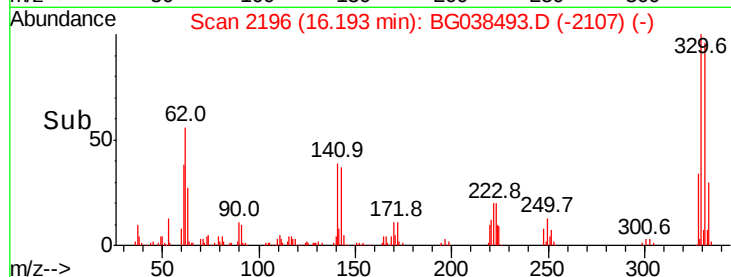
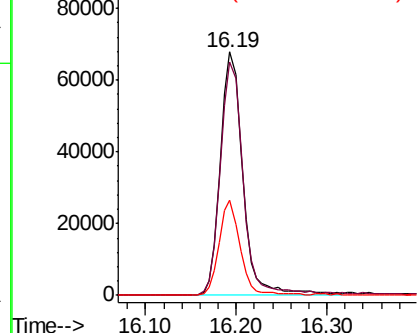
#42  
 2,4,6-Tribromophenol  
 Concen: 152.553 ng  
 RT: 16.19 min Scan# 2196  
 Delta R.T. -0.01 min  
 Lab File: BG038493.D  
 Acq: 12 Dec 2018 7:47

Instrument :  
 BNA\_G  
 ClientSampled :  
 TP-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 78.4  | 117.6 |
| 141     | 36.6  | 32.2  | 48.2  |

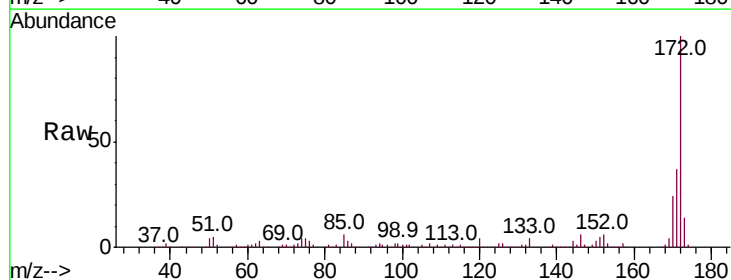


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

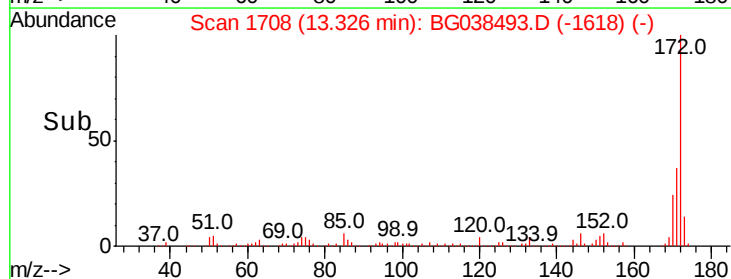
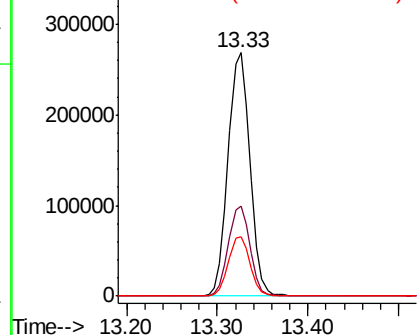


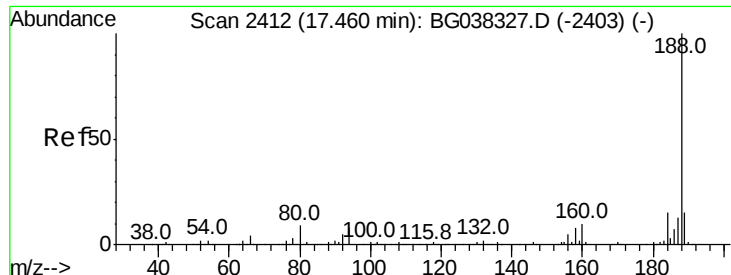
#45  
 2-Fluorobiphenyl  
 Concen: 102.398 ng  
 RT: 13.33 min Scan# 1708  
 Delta R.T. -0.00 min  
 Lab File: BG038493.D  
 Acq: 12 Dec 2018 7:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 31.0  | 46.4  |
| 170     | 24.3  | 20.2  | 30.2  |



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

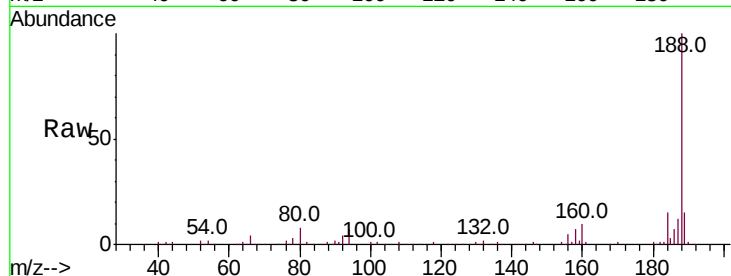




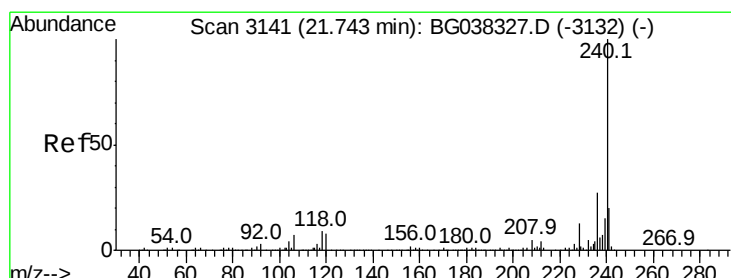
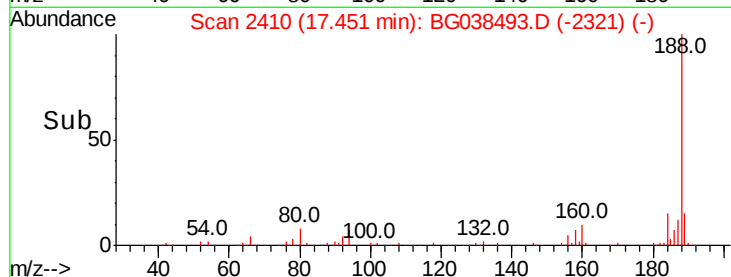
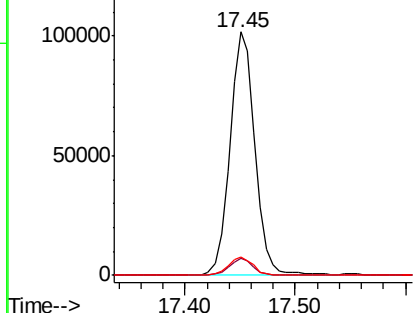
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.45 min Scan# 2410  
Delta R.T. -0.01 min  
Lab File: BG038493.D  
Acq: 12 Dec 2018 7:47

Instrument :  
BNA\_G  
ClientSampled :  
TP-5

Tot Ion:188 Resp: 160110  
Ion Ratio Lower Upper  
188 100  
94 6.8 7.2 10.8#  
80 7.6 7.7 11.5#

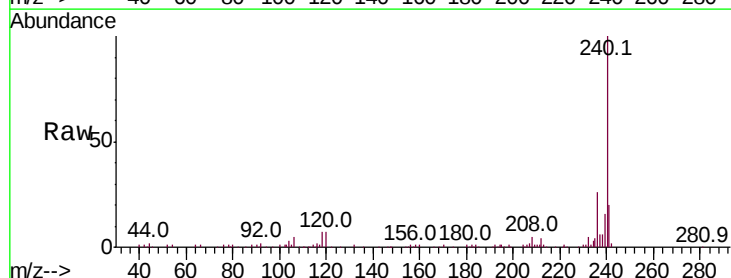


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG

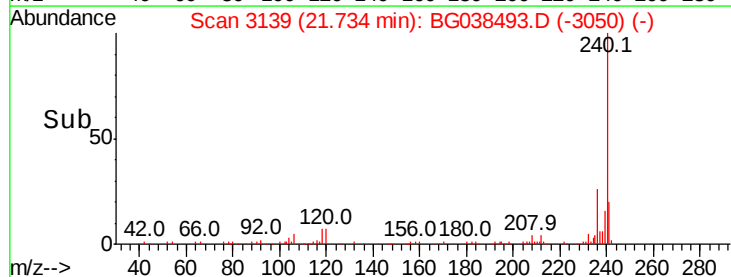
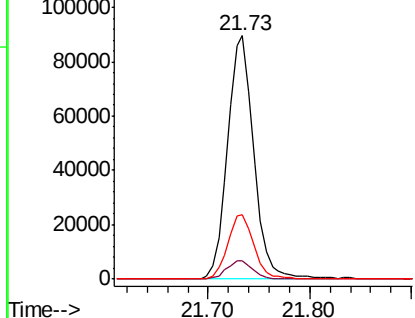


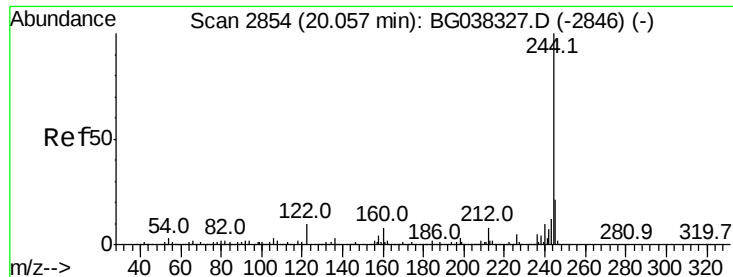
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.73 min Scan# 3139  
Delta R.T. -0.01 min  
Lab File: BG038493.D  
Acq: 12 Dec 2018 7:47

Tgt Ion:240 Resp: 160822  
Ion Ratio Lower Upper  
240 100  
120 7.4 8.1 12.1#  
236 26.2 21.4 32.0



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





#79

Terphenyl-d14

Concen: 113.641 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG038493.D

Acq: 12 Dec 2018 7:47

Instrument :

BNA\_G

ClientSampleId :

TP-5

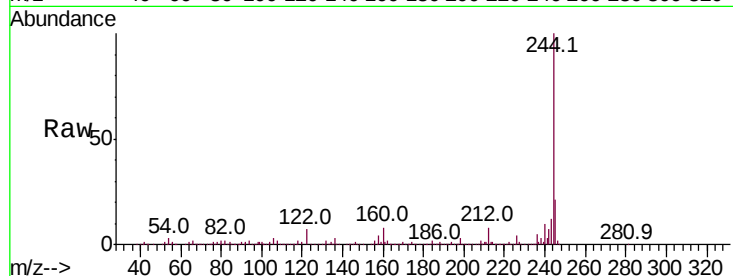
Tot Ion:244 Resp: 853120

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

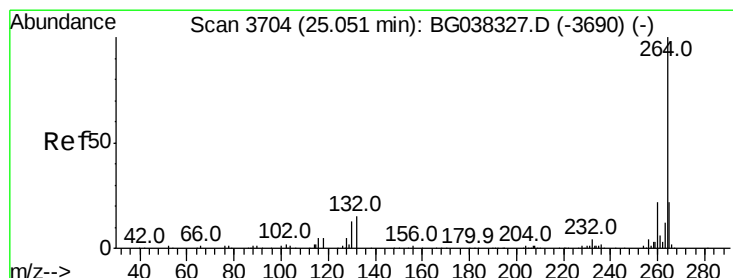
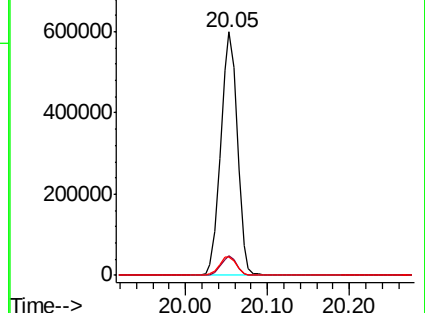
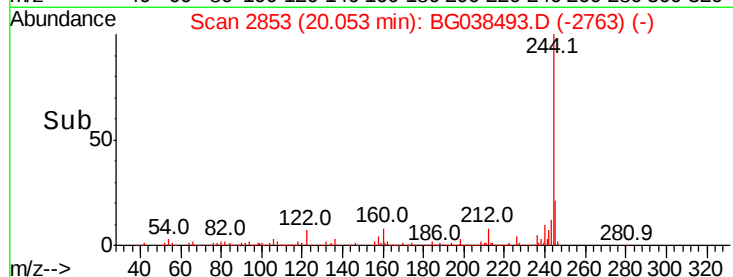
122 7.4 9.0 13.4#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3702

Delta R.T. -0.01 min

Lab File: BG038493.D

Acq: 12 Dec 2018 7:47

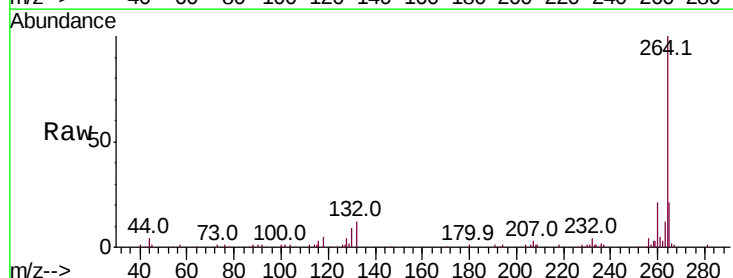
Tgt Ion:264 Resp: 163117

Ion Ratio Lower Upper

264 100

260 21.2 18.2 27.4

265 20.7 17.9 26.9



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

