

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121118\  
 Data File : BG038492.D  
 Acq On : 12 Dec 2018 7:07  
 Operator : JU/SJ  
 Sample : J6331-24  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-4

Quant Time: Dec 12 10:19:23 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  | 21204    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.89 | 136  | 91206    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.71 | 164  | 63153    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.45 | 188  | 155128   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.73 | 240  | 199436   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 25.04 | 264  | 155375   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 182334   | 152.17 | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 235187   | 135.80 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.24  | 82   | 179390   | 97.65  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.19 | 330  | 110058   | 141.96 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.33 | 172  | 428935   | 96.78  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.05 | 244  | 791254   | 84.99  | ng    | 0.00     |

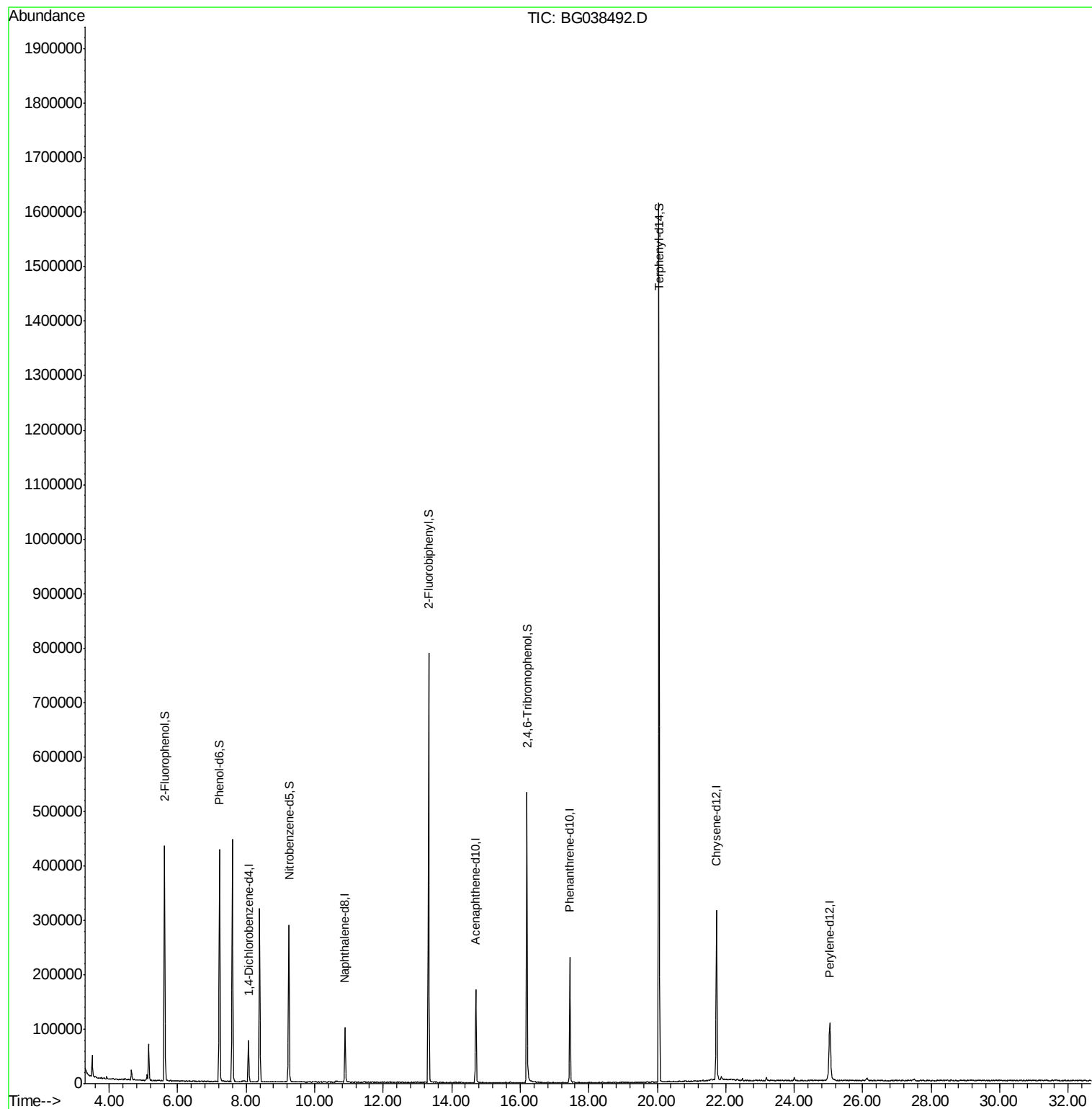
Target Compounds Qvalue

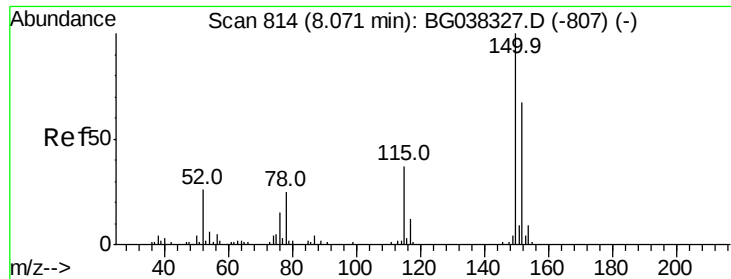
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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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



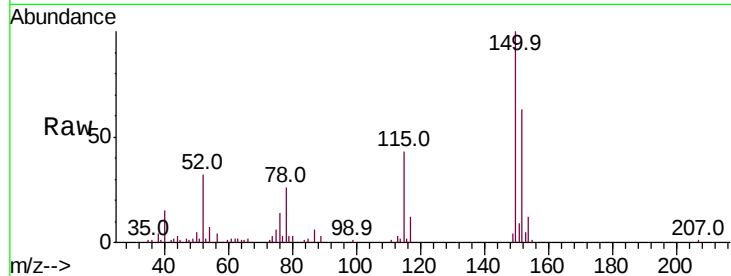


#1

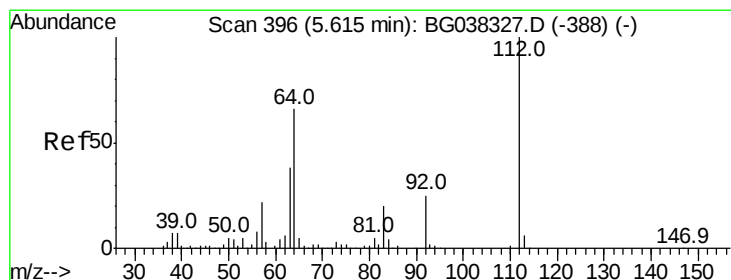
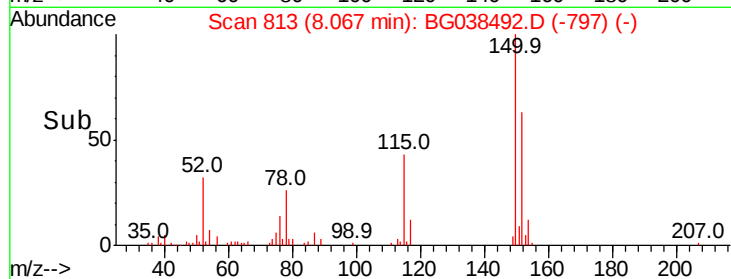
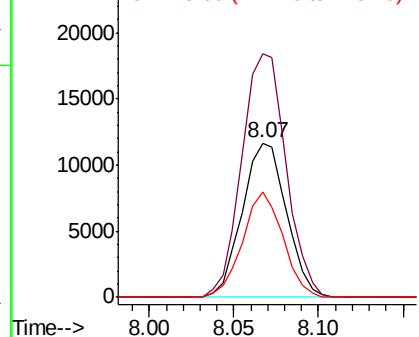
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.07 min Scan# 813  
Delta R.T. -0.00 min  
Lab File: BG038492.D  
Acq: 12 Dec 2018 7:07

Instrument :  
BNA\_G  
ClientSampled :  
TP-4

Tot Ion:152 Resp: 21204  
Ion Ratio Lower Upper  
152 100  
150 158.1 126.0 189.0  
115 68.1 45.5 68.3



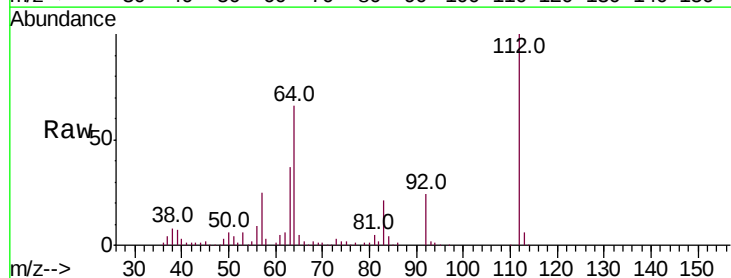
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



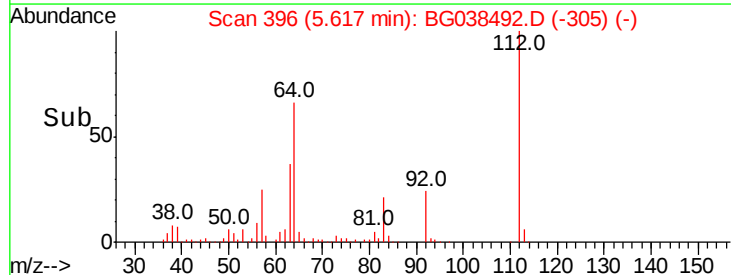
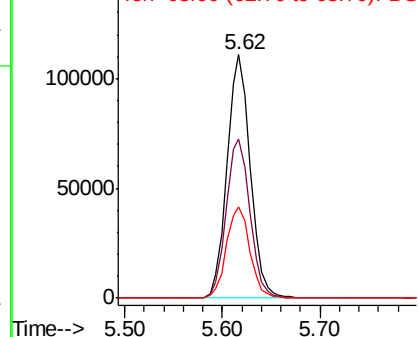
#5

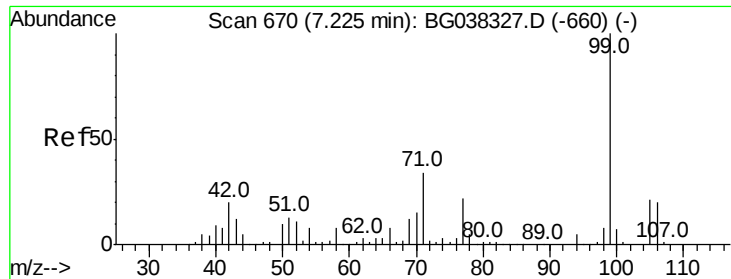
2-Fluorophenol  
Concen: 152.172 ng  
RT: 5.62 min Scan# 396  
Delta R.T. 0.00 min  
Lab File: BG038492.D  
Acq: 12 Dec 2018 7:07

Tgt Ion:112 Resp: 182334  
Ion Ratio Lower Upper  
112 100  
64 65.5 53.1 79.7  
63 37.4 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: 135.804 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG038492.D

Acq: 12 Dec 2018 7:07

Instrument :

BNA\_G

ClientSampleId :

TP-4

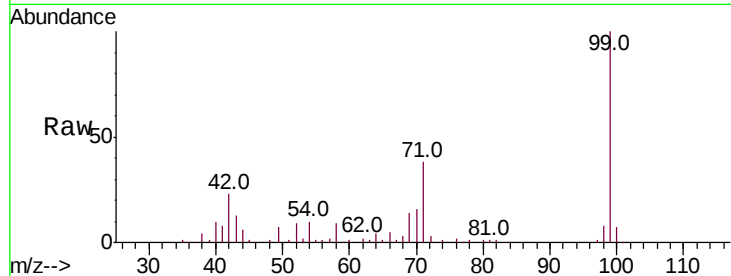
Tot Ion: 99 Resp: 235187

Ion Ratio Lower Upper

99 100

42 23.0 15.0 22.4#

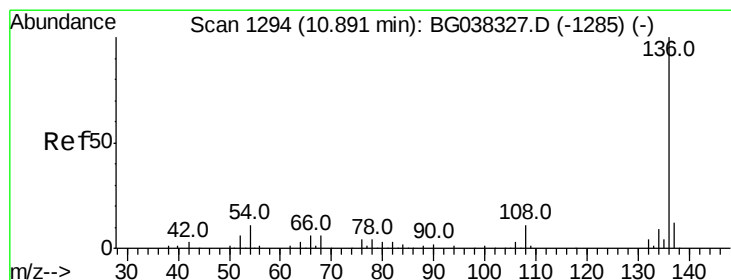
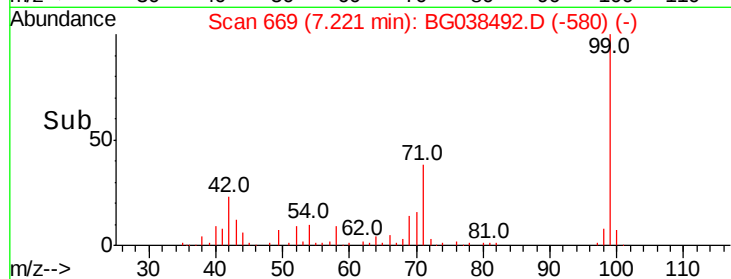
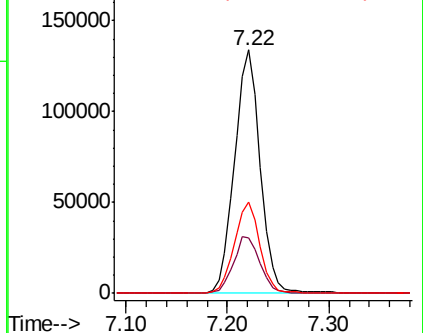
71 37.7 25.5 38.3



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: BG038492.D

Acq: 12 Dec 2018 7:07

Tgt Ion: 136 Resp: 91206

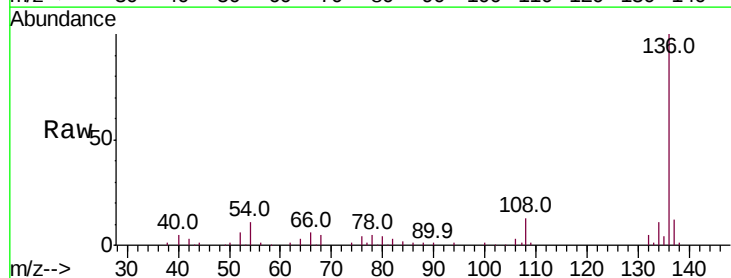
Ion Ratio Lower Upper

136 100

137 12.3 9.6 14.4

54 11.1 7.9 11.9

68 5.1 4.8 7.2

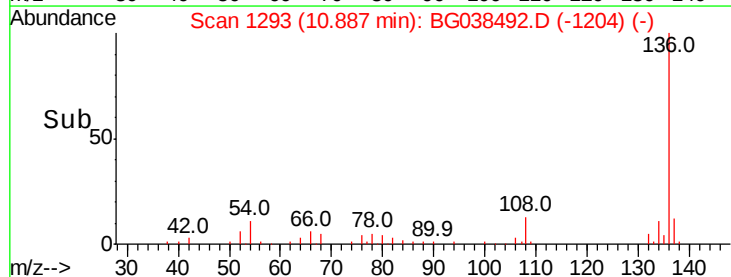
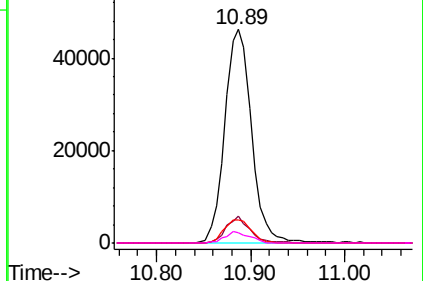


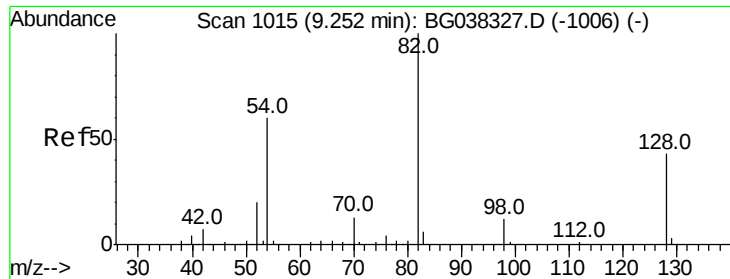
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

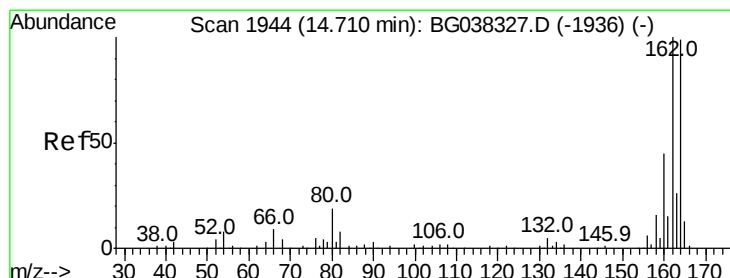
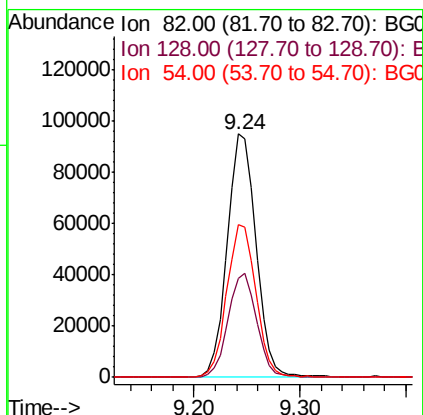
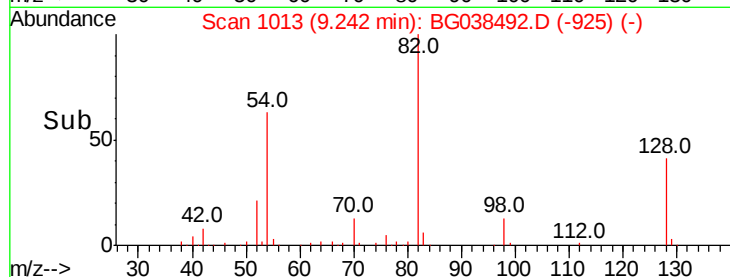
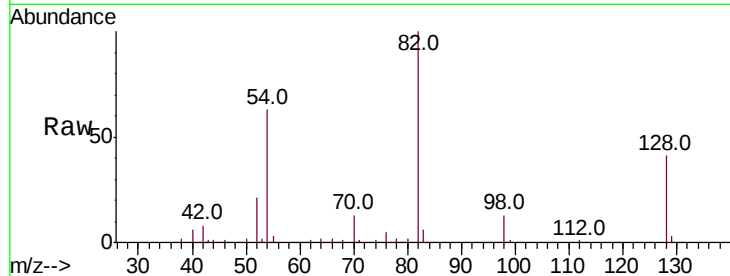




#23  
Nitrobenzene-d5  
Concen: 97.651 ng  
RT: 9.24 min Scan# 1013  
Delta R.T. -0.01 min  
Lab File: BG038492.D  
Acq: 12 Dec 2018 7:07

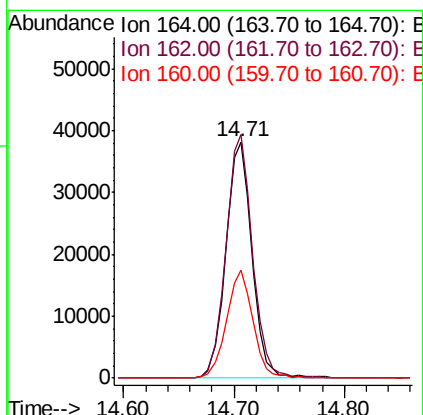
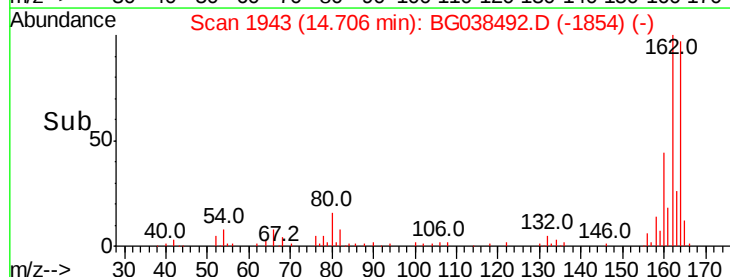
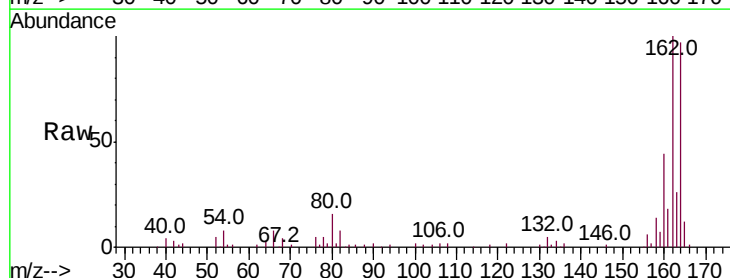
Instrument :  
BNA\_G  
ClientSampleId :  
TP-4

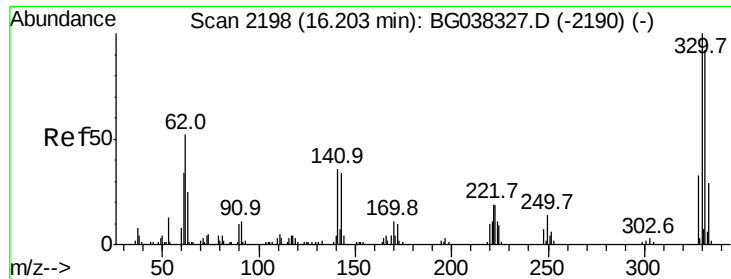
Tot Ion: 82 Resp: 179390  
Ion Ratio Lower Upper  
82 100  
128 40.9 34.6 51.8  
54 62.6 45.3 67.9



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.71 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: BG038492.D  
Acq: 12 Dec 2018 7:07

Tgt Ion:164 Resp: 63153  
Ion Ratio Lower Upper  
164 100  
162 103.1 81.3 121.9  
160 45.8 36.3 54.5

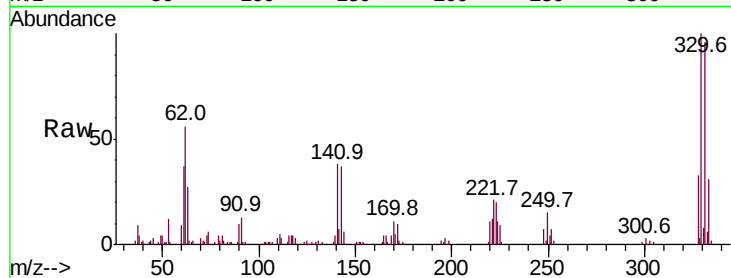




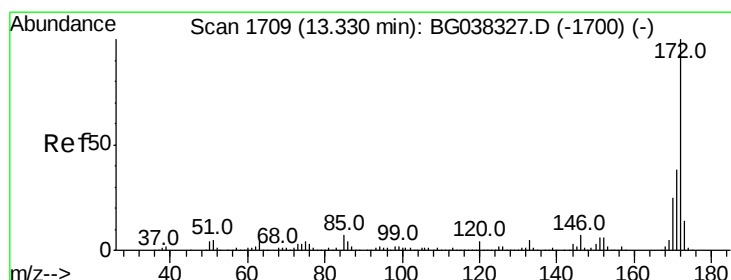
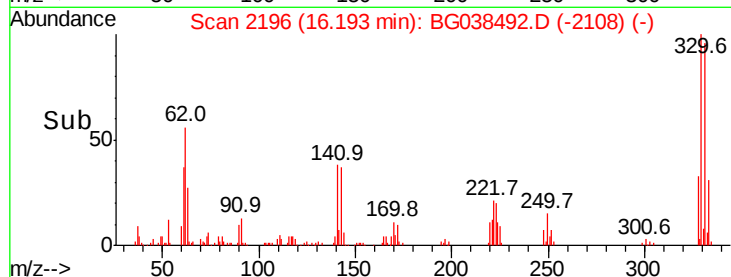
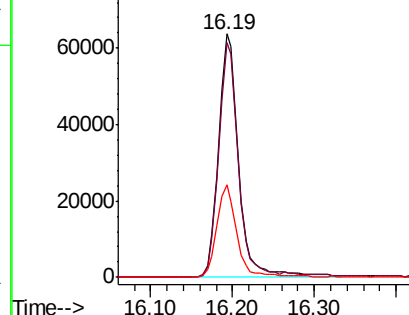
#42  
 2,4,6-Tribromophenol  
 Concen: 141.959 ng  
 RT: 16.19 min Scan# 2196  
 Delta R.T. -0.01 min  
 Lab File: BG038492.D  
 Acq: 12 Dec 2018 7:07

Instrument :  
 BNA\_G  
 ClientSampled :  
 TP-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 92.5  | 78.4  | 117.6 |
| 141     | 37.6  | 32.2  | 48.2  |

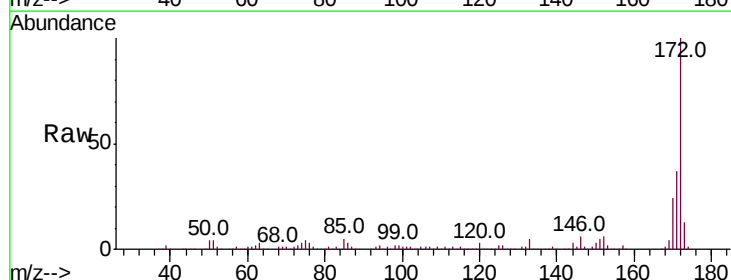


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

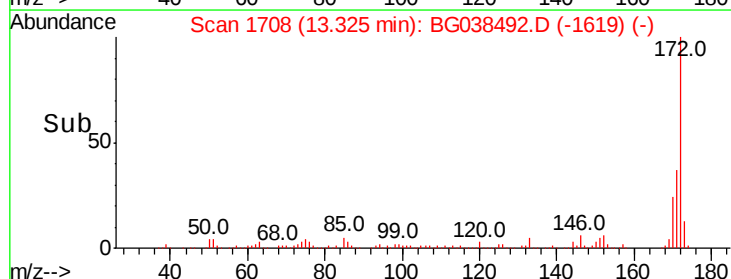
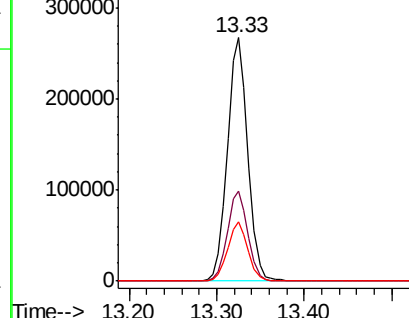


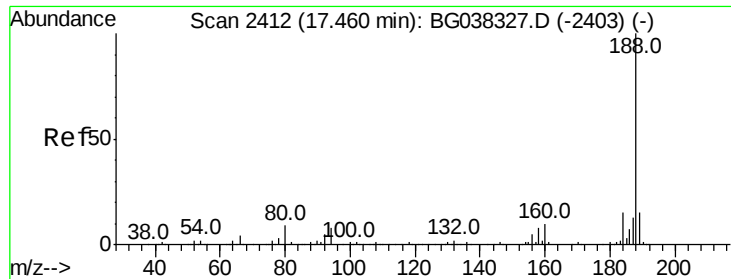
#45  
 2-Fluorobiphenyl  
 Concen: 96.780 ng  
 RT: 13.33 min Scan# 1708  
 Delta R.T. -0.00 min  
 Lab File: BG038492.D  
 Acq: 12 Dec 2018 7:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 31.0  | 46.4  |
| 170     | 24.1  | 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: BG038492.D

Acq: 12 Dec 2018 7:07

Instrument :

BNA\_G

ClientSampleId :

TP-4

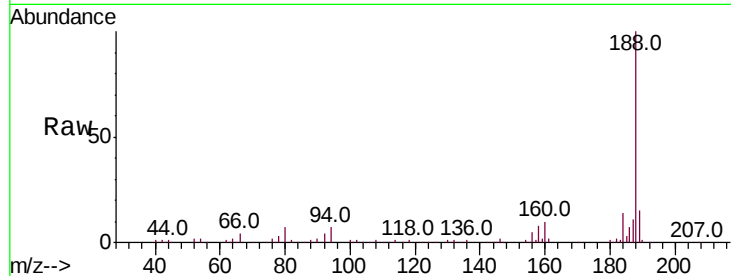
Tot Ion:188 Resp: 155128

Ion Ratio Lower Upper

188 100

94 7.1 7.2 10.8#

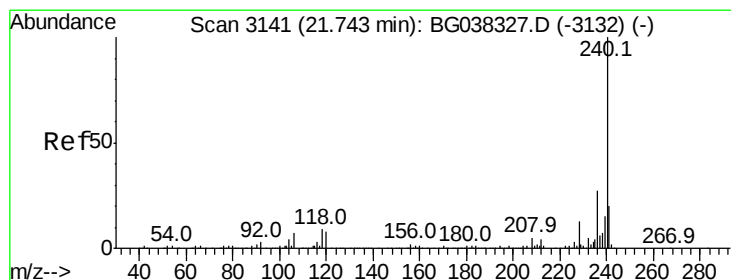
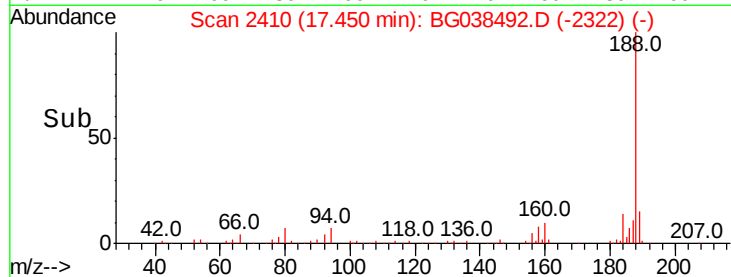
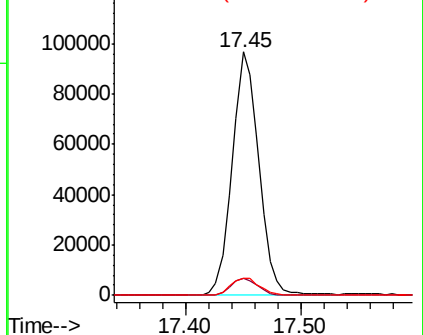
80 7.1 7.7 11.5#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.73 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BG038492.D

Acq: 12 Dec 2018 7:07

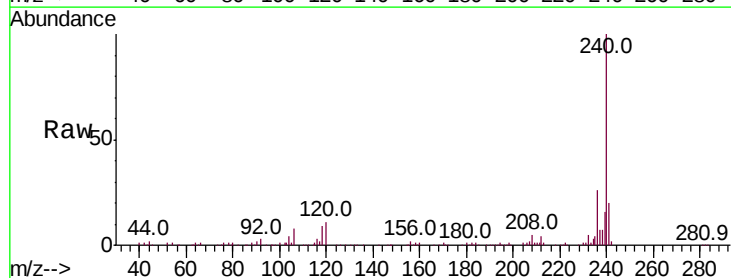
Tgt Ion:240 Resp: 199436

Ion Ratio Lower Upper

240 100

120 10.6 8.1 12.1

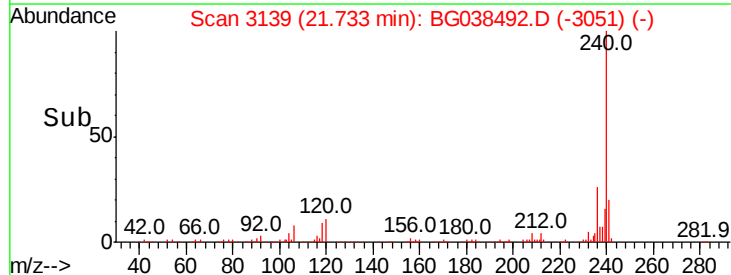
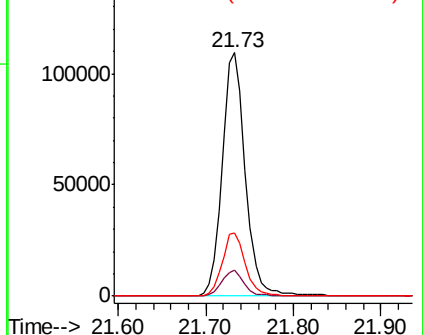
236 25.9 21.4 32.0

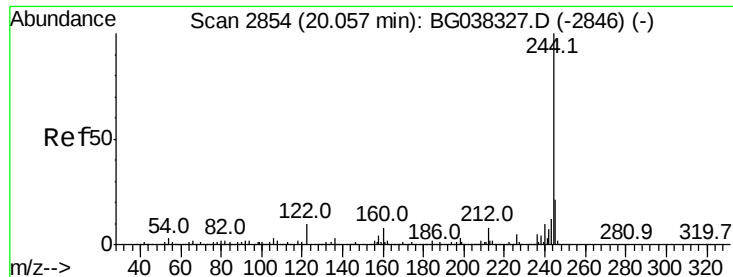


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 84.993 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG038492.D

Acq: 12 Dec 2018 7:07

Instrument :

BNA\_G

ClientSampleId :

TP-4

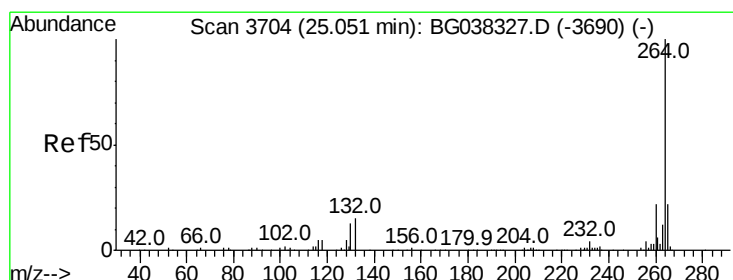
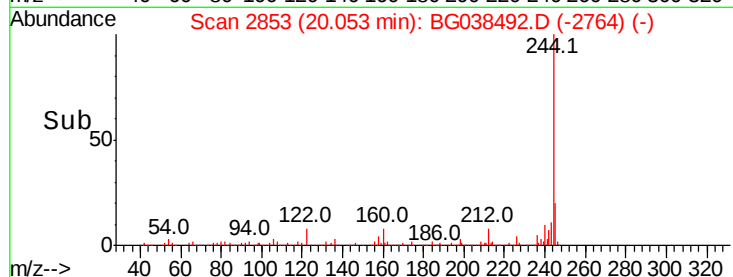
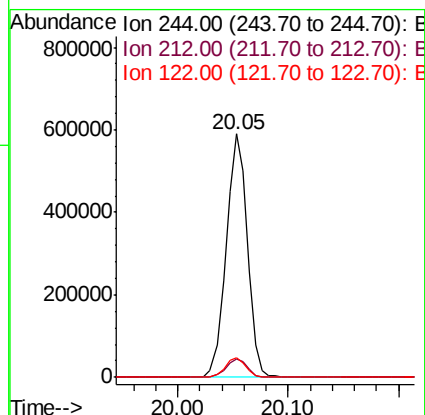
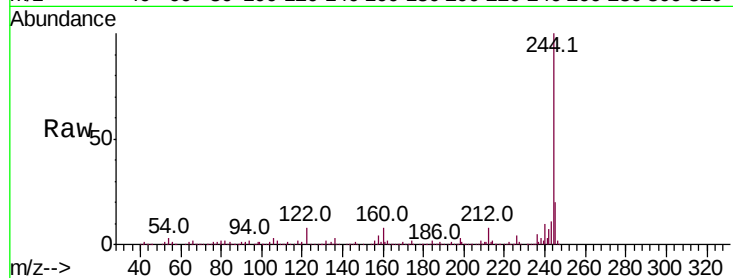
Tot Ion:244 Resp: 791254

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

122 8.0 9.0 13.4#



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3701

Delta R.T. -0.02 min

Lab File: BG038492.D

Acq: 12 Dec 2018 7:07

Tgt Ion:264 Resp: 155375

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 21.9 17.9 26.9

