

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\  
 Data File : BG038559.D  
 Acq On : 14 Dec 2018 8:29  
 Operator : JU/SJ  
 Sample : J6189-02  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-05-121118-A

Quant Time: Dec 14 10:32:04 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.06  | 152  | 20087    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.88 | 136  | 78869    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.69 | 164  | 51860    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.44 | 188  | 140138   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.72 | 240  | 150313   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.01 | 264  | 159938   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 157685   | 139.23 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 182479   | 117.37 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 161799   | 104.80 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.18 | 330  | 116749   | 163.35 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.32 | 172  | 380870   | 100.75 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.04 | 244  | 787762   | 114.06 | ng    | 0.00     |

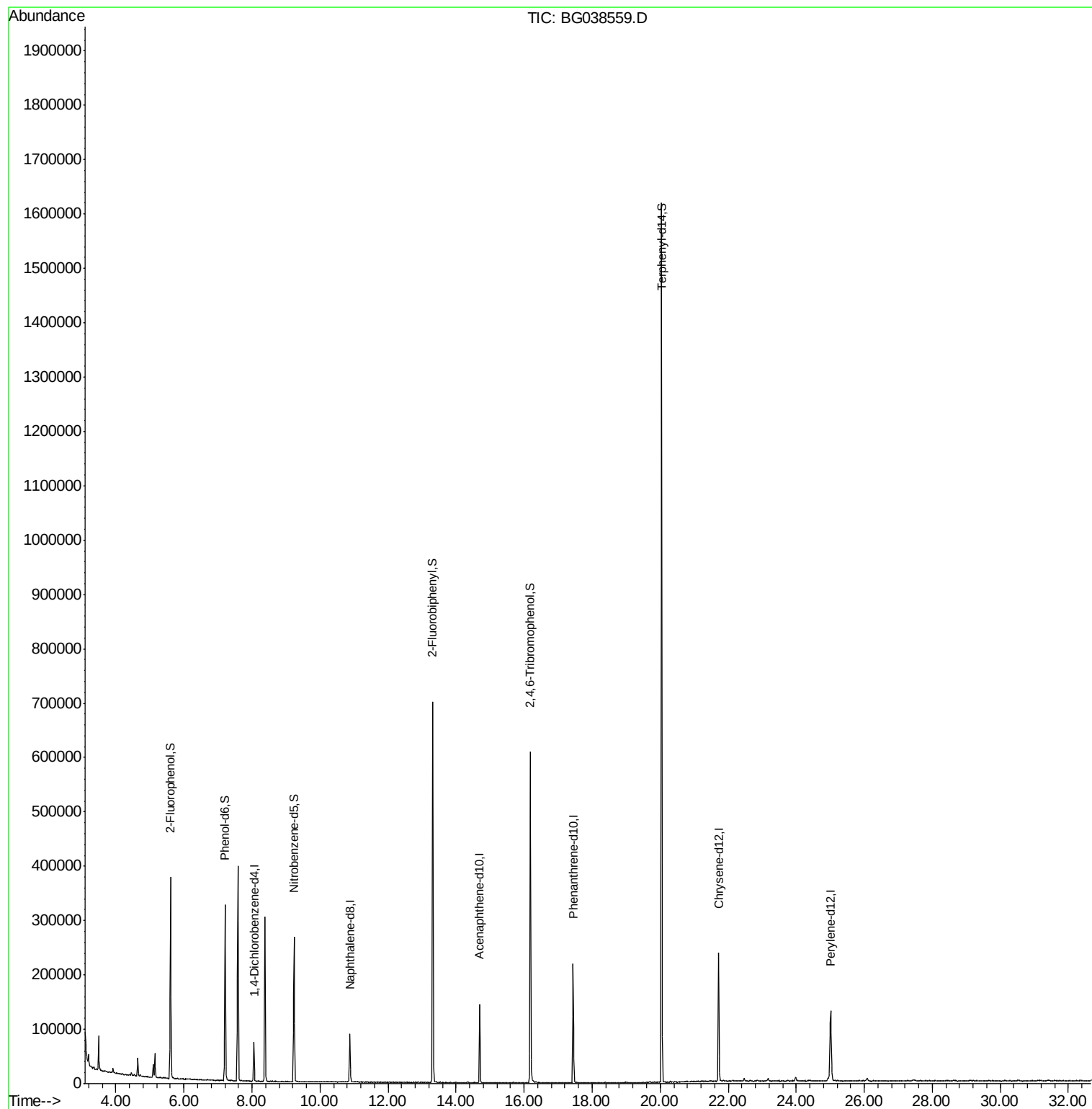
Target Compounds Qvalue

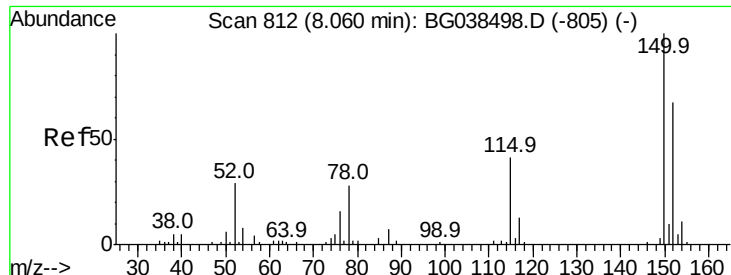
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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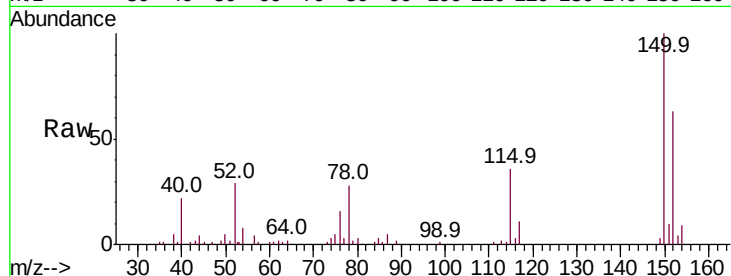


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 846  
Delta R.T. -0.00 min  
Lab File: BG038559.D  
Acq: 14 Dec 2018 8:29

Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-121118-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.6 | 119.5 | 179.3 |
| 115     | 57.0  | 49.6  | 74.4  |

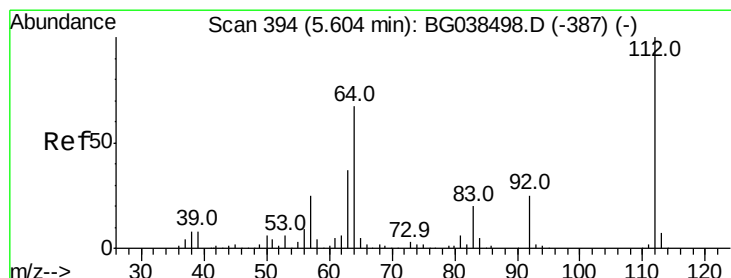
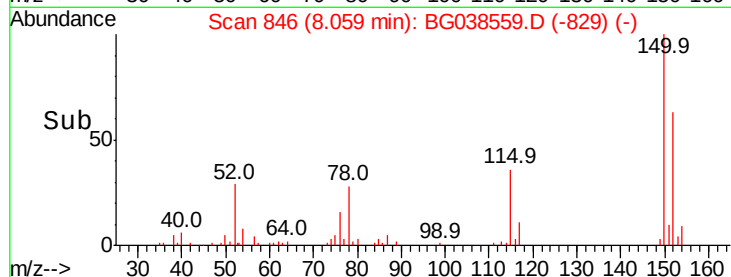
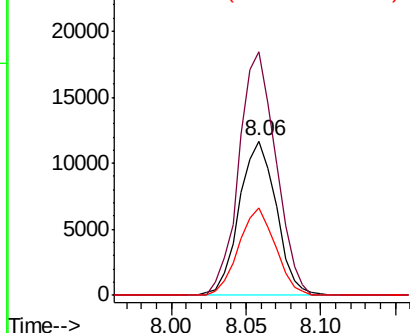


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

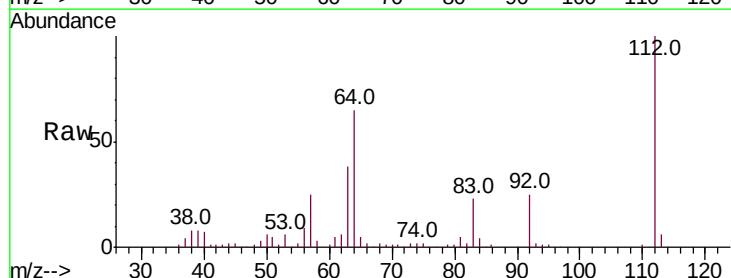
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 139.233 ng  
RT: 5.61 min Scan# 429  
Delta R.T. 0.01 min  
Lab File: BG038559.D  
Acq: 14 Dec 2018 8:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.0  | 53.4  | 80.2  |
| 63      | 37.7  | 29.3  | 43.9  |

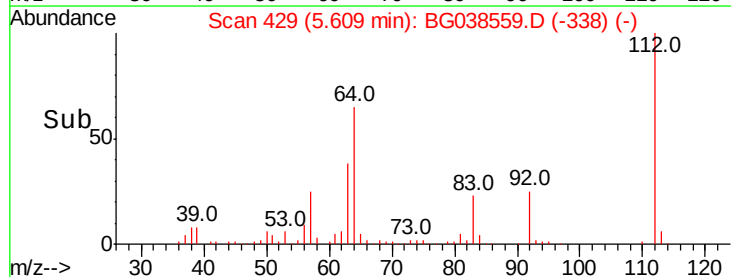
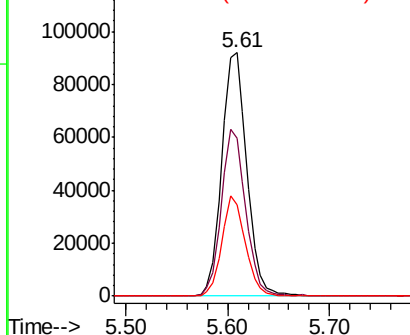


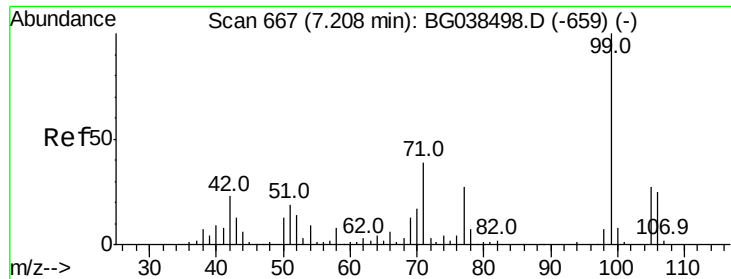
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 117.370 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038559.D

Acq: 14 Dec 2018 8:29

Instrument :

BNA\_G

ClientSampleId :

HR-05-121118-A

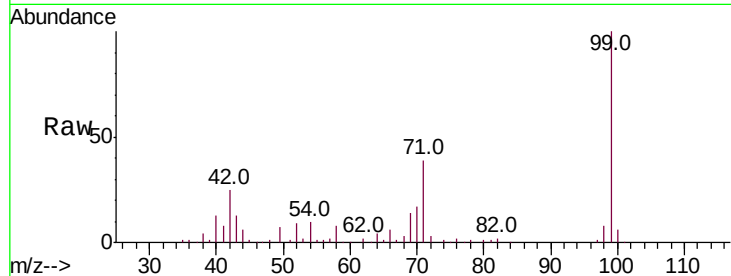
Tot Ion: 99 Resp: 182479

Ion Ratio Lower Upper

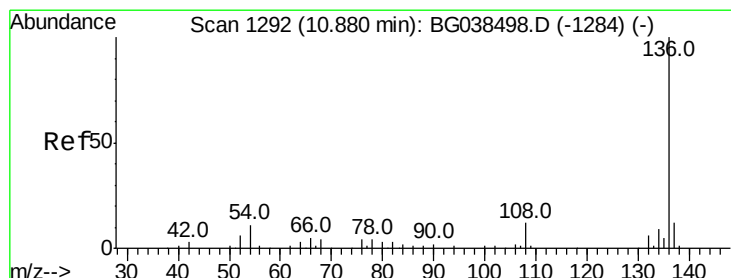
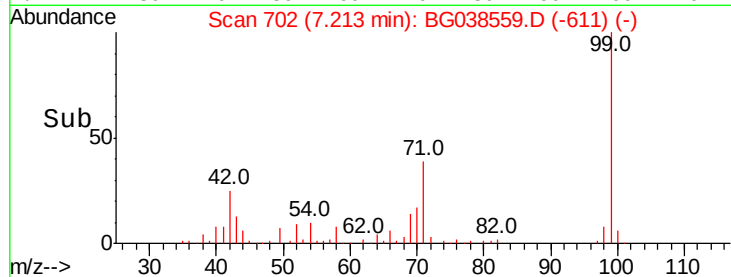
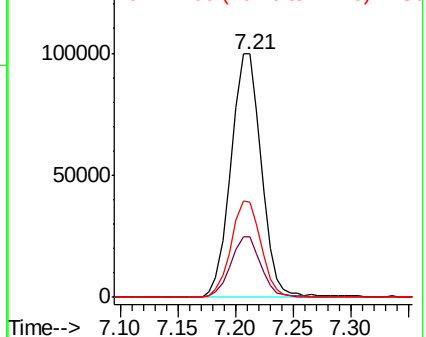
99 100

42 24.6 18.5 27.7

71 39.2 31.1 46.7



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: 10.88 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BG038559.D

Acq: 14 Dec 2018 8:29

Tgt Ion: 136 Resp: 78869

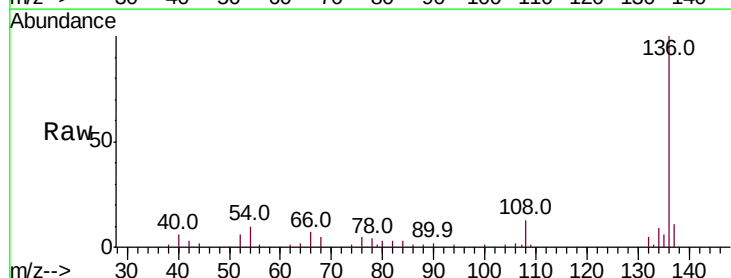
Ion Ratio Lower Upper

136 100

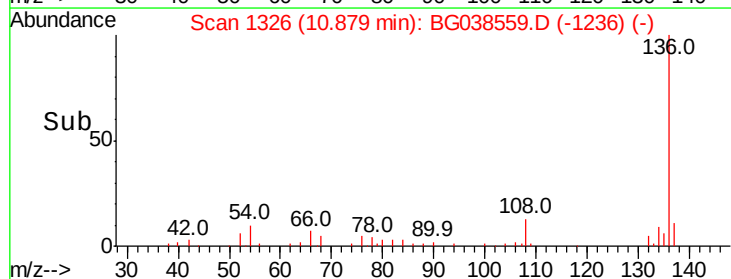
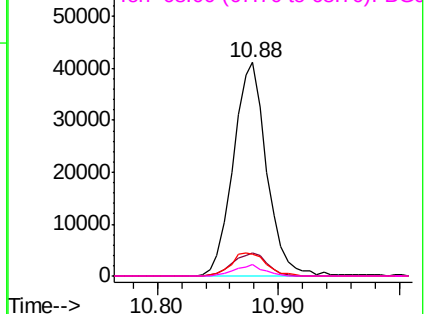
137 10.8 9.3 13.9

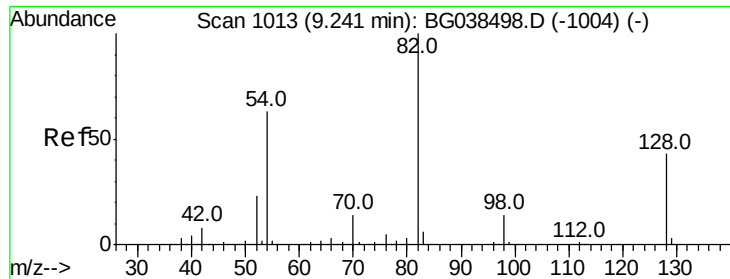
54 10.3 8.5 12.7

68 5.2 3.5 5.3



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

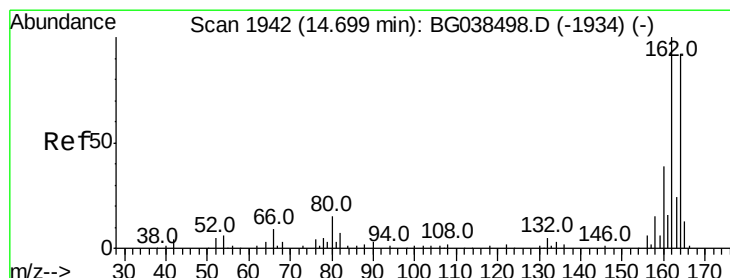
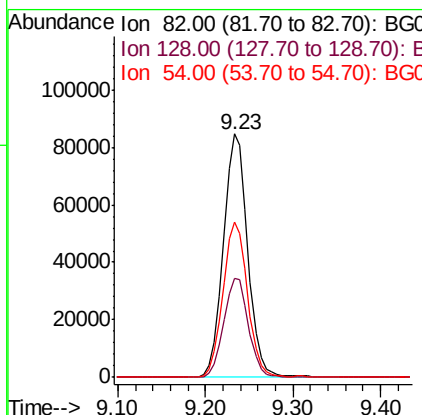
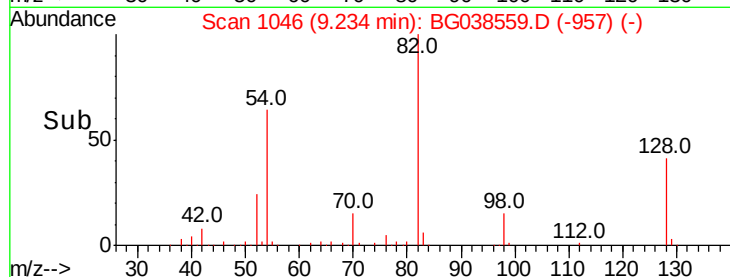
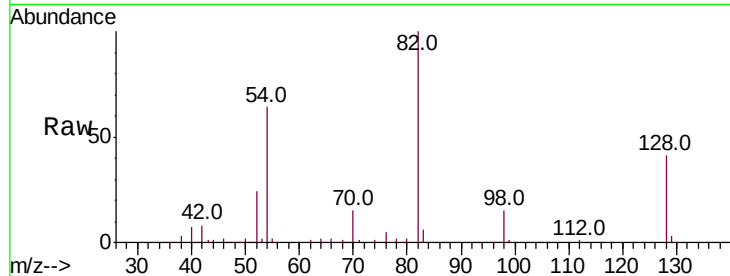




#23  
Nitrobenzene-d5  
Concen: 104.805 ng  
RT: 9.23 min Scan# 1046  
Delta R.T. -0.01 min  
Lab File: BG038559.D  
Acq: 14 Dec 2018 8:29

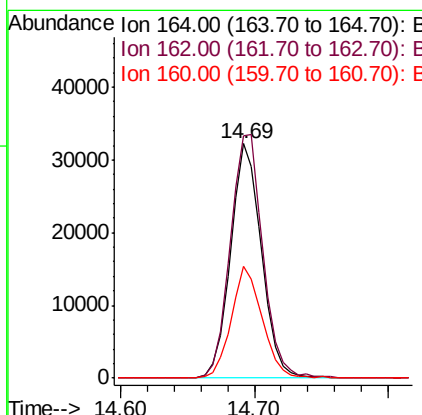
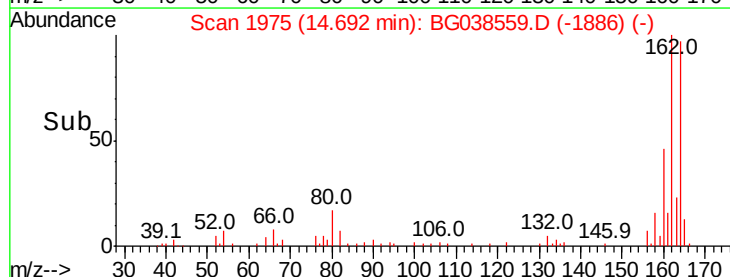
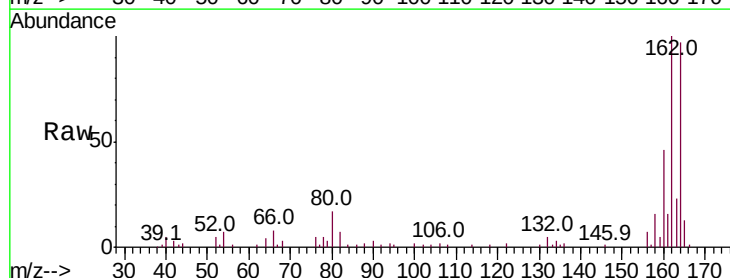
Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-121118-A

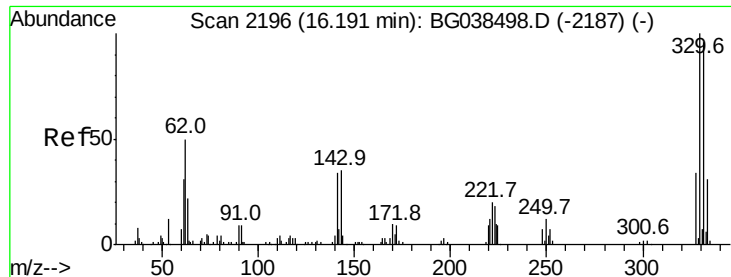
Tot Ion: 82 Resp: 161799  
Ion Ratio Lower Upper  
82 100  
128 40.7 34.6 52.0  
54 63.6 50.6 76.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.69 min Scan# 1975  
Delta R.T. -0.01 min  
Lab File: BG038559.D  
Acq: 14 Dec 2018 8:29

Tgt Ion:164 Resp: 51860  
Ion Ratio Lower Upper  
164 100  
162 103.3 86.6 130.0  
160 47.8 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 163.348 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038559.D

Acq: 14 Dec 2018 8:29

Instrument :

BNA\_G

ClientSampleId :

HR-05-121118-A

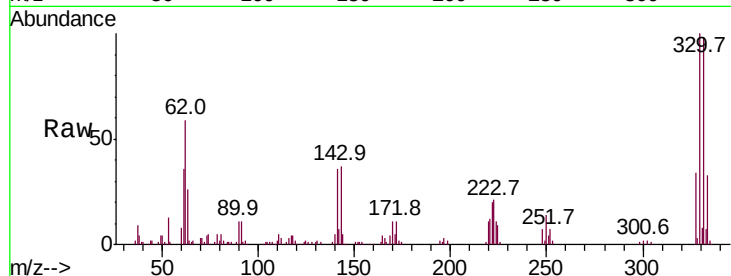
Tot Ion:330 Resp: 116749

Ion Ratio Lower Upper

330 100

332 97.8 76.9 115.3

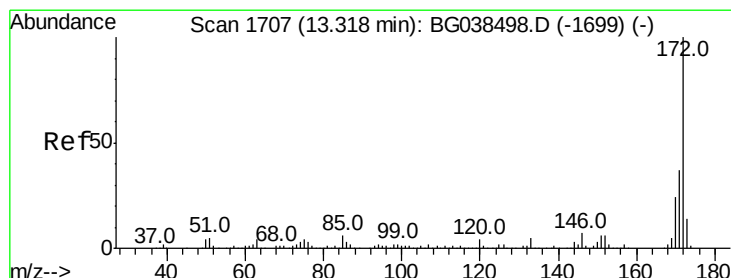
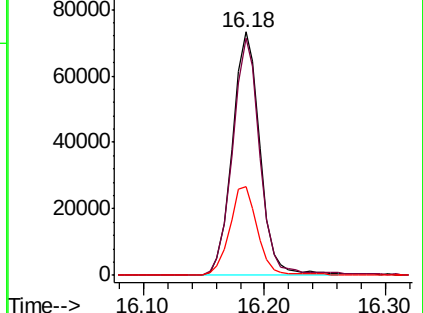
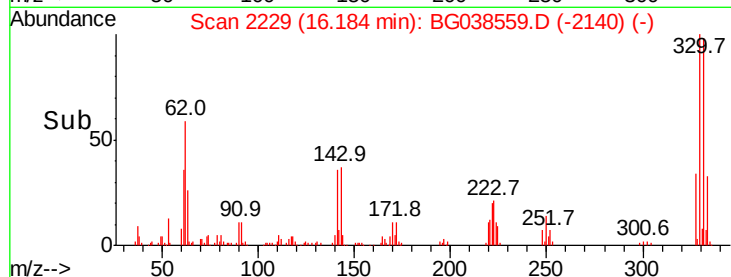
141 36.8 28.8 43.2



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: 100.751 ng

RT: 13.32 min Scan# 1741

Delta R.T. -0.00 min

Lab File: BG038559.D

Acq: 14 Dec 2018 8:29

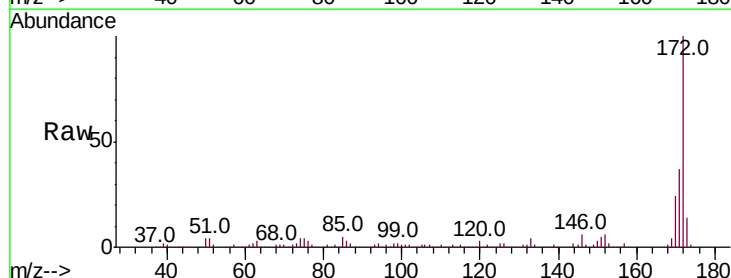
Tgt Ion:172 Resp: 380870

Ion Ratio Lower Upper

172 100

171 37.1 29.8 44.6

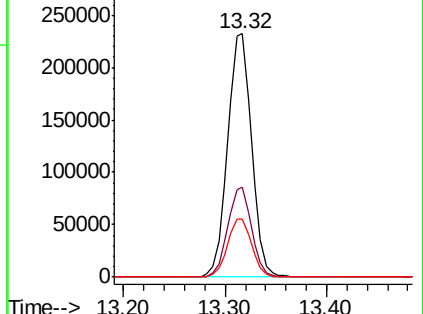
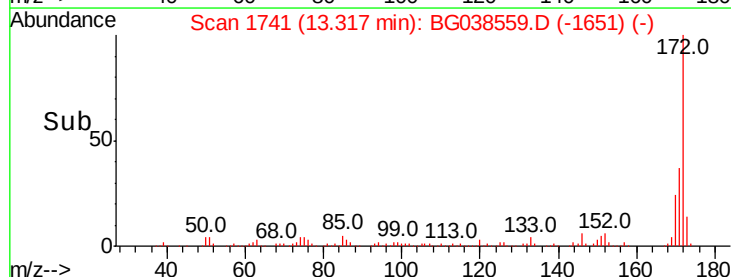
170 23.9 19.5 29.3

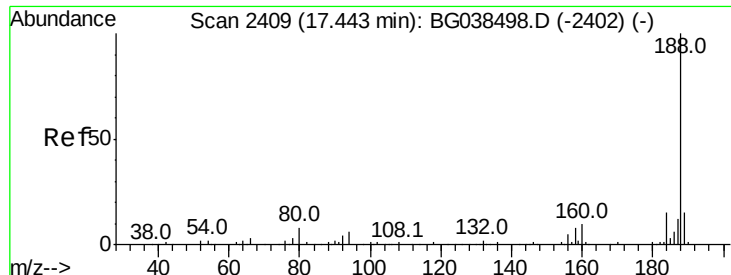


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

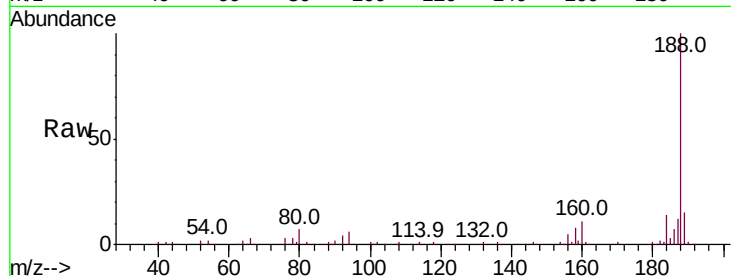




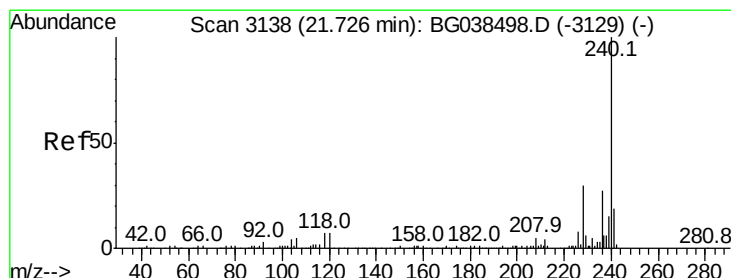
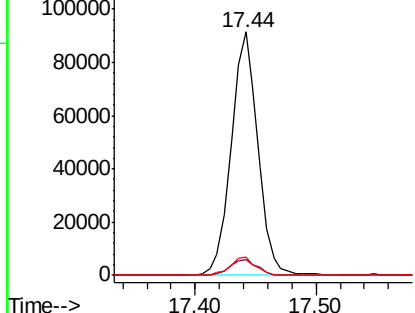
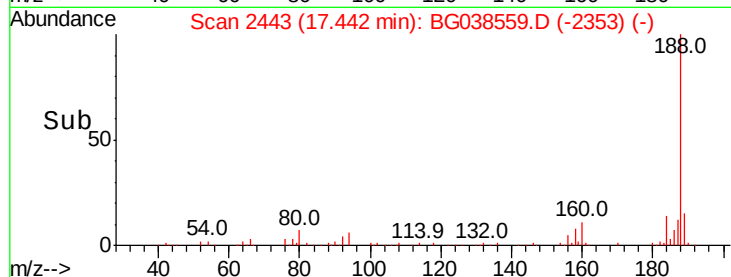
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.44 min Scan# 2443  
Delta R.T. -0.00 min  
Lab File: BG038559.D  
Acq: 14 Dec 2018 8:29

Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-121118-A

Tot Ion:188 Resp: 140138  
Ion Ratio Lower Upper  
188 100  
94 6.4 5.1 7.7  
80 7.3 6.1 9.1

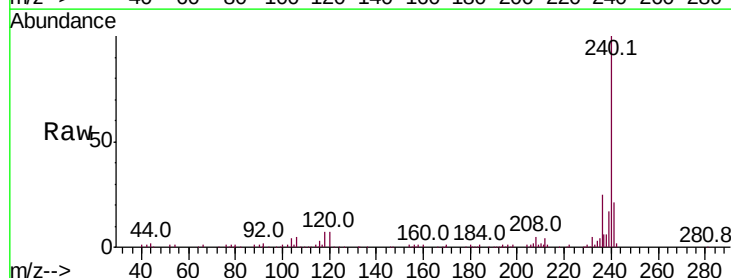


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG

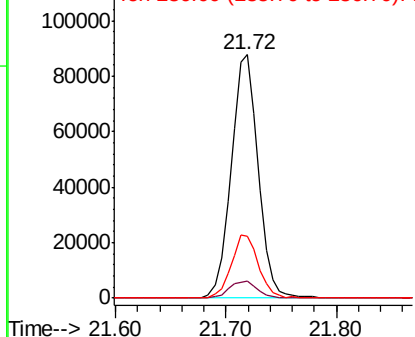
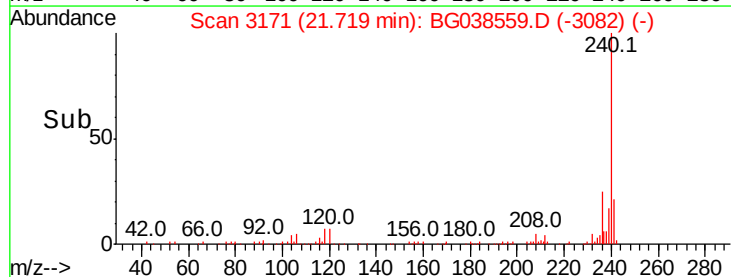


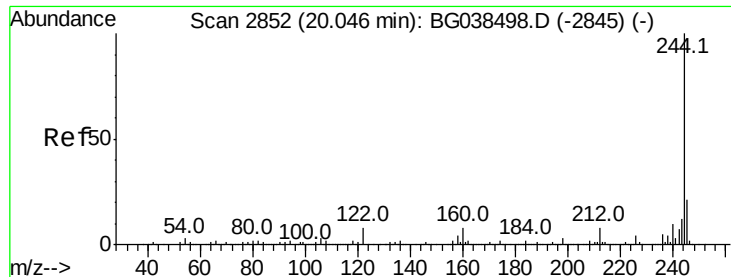
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.72 min Scan# 3171  
Delta R.T. -0.01 min  
Lab File: BG038559.D  
Acq: 14 Dec 2018 8:29

Tgt Ion:240 Resp: 150313  
Ion Ratio Lower Upper  
240 100  
120 7.2 5.3 7.9  
236 25.4 21.4 32.2



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: 114.057 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038559.D

Acq: 14 Dec 2018 8:29

Instrument :

BNA\_G

ClientSampleId :

HR-05-121118-A

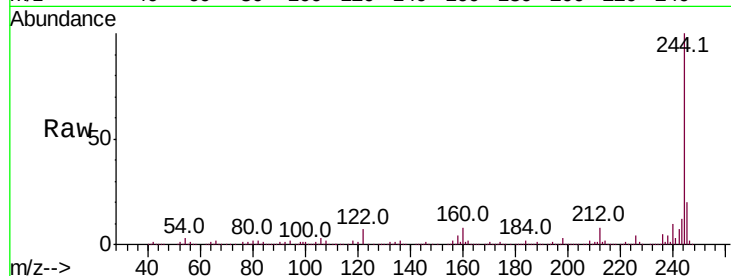
Tot Ion:244 Resp: 787762

Ion Ratio Lower Upper

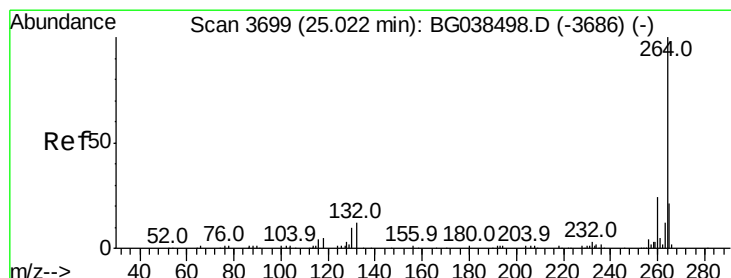
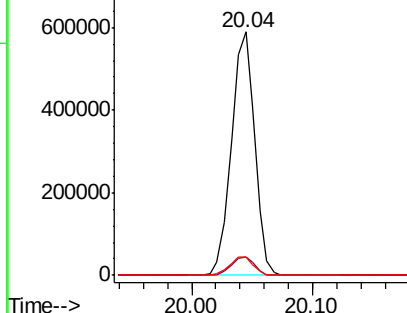
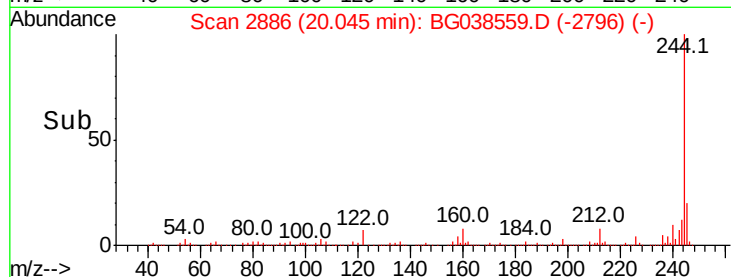
244 100

212 7.7 6.2 9.2

122 7.4 6.3 9.5



Abundance Ion 244.00 (243.70 to 244.70): E  
800000  
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: 25.01 min Scan# 3731

Delta R.T. -0.01 min

Lab File: BG038559.D

Acq: 14 Dec 2018 8:29

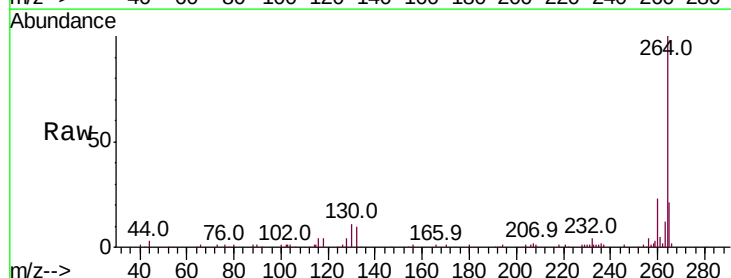
Tgt Ion:264 Resp: 159938

Ion Ratio Lower Upper

264 100

260 22.6 18.9 28.3

265 21.4 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E  
60000  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

