

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121218\  
 Data File : BG038509.D  
 Acq On : 12 Dec 2018 22:04  
 Operator : JU/SJ  
 Sample : J6193-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-121018-B

Quant Time: Dec 13 06:33:56 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  | 22982    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.88 | 136  | 91073    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.70 | 164  | 60564    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.44 | 188  | 166027   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.72 | 240  | 191028   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.01 | 264  | 193762   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 181500   | 140.07 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 218616   | 122.90 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.24  | 82   | 182309   | 102.27 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.19 | 330  | 148491   | 177.90 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.32 | 172  | 430320   | 97.47  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.05 | 244  | 965304   | 109.97 | ng    | 0.00     |

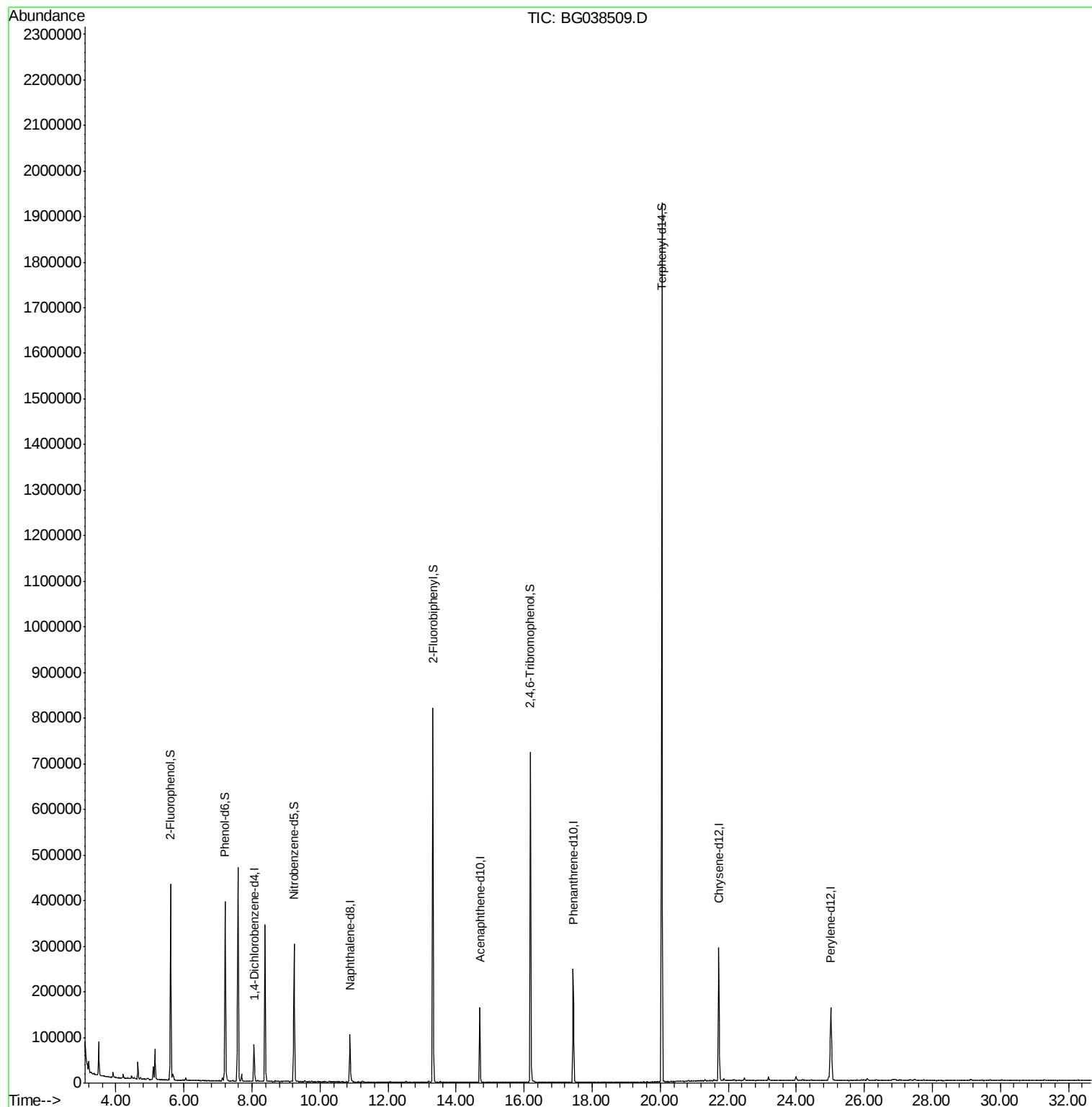
Target Compounds Qvalue

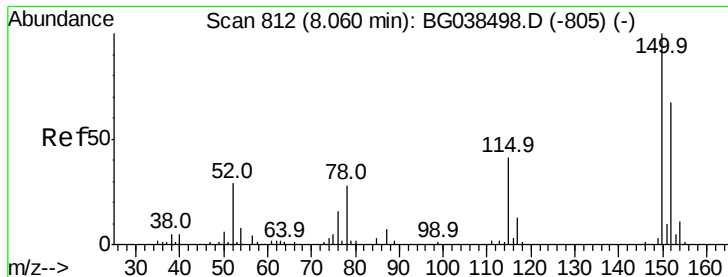
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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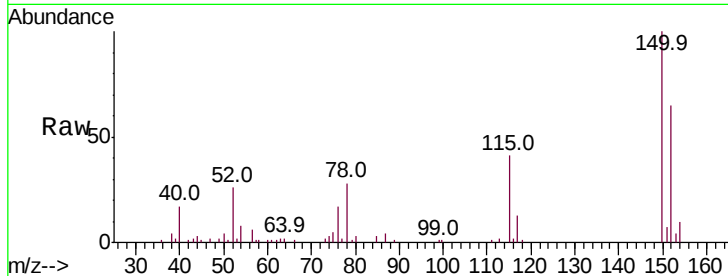


#1

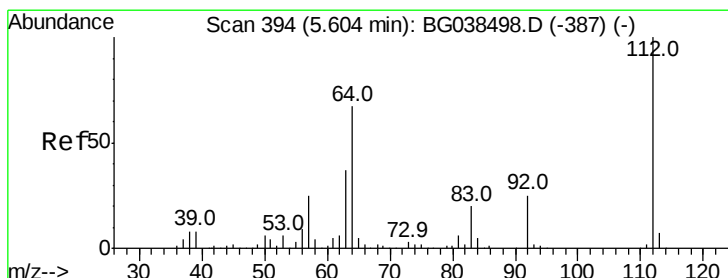
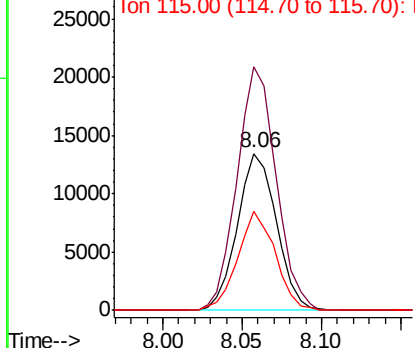
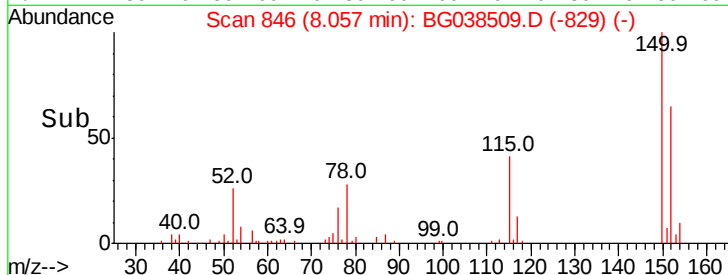
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 846  
Delta R.T. -0.00 min  
Lab File: BG038509.D  
Acq: 12 Dec 2018 22:04

Instrument :  
BNA\_G  
ClientSampleId :  
CL-01-121018-B

Tot Ion:152 Resp: 22982  
Ion Ratio Lower Upper  
152 100  
150 154.9 119.5 179.3  
115 63.1 49.6 74.4



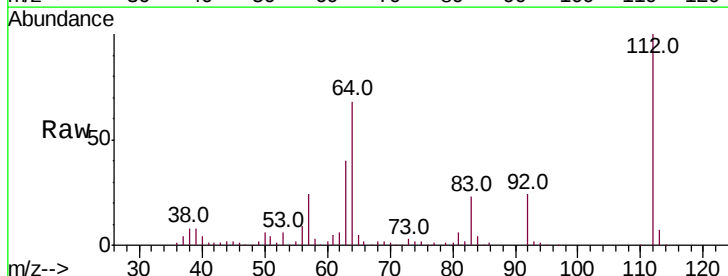
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



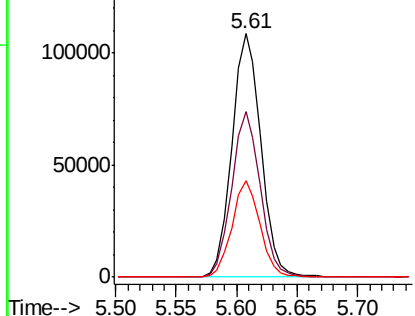
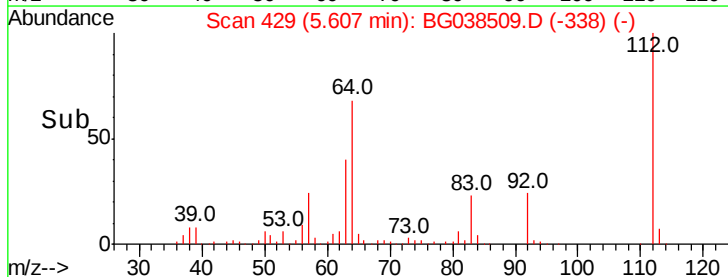
#5

2-Fluorophenol  
Concen: 140.074 ng  
RT: 5.61 min Scan# 429  
Delta R.T. 0.00 min  
Lab File: BG038509.D  
Acq: 12 Dec 2018 22:04

Tgt Ion:112 Resp: 181500  
Ion Ratio Lower Upper  
112 100  
64 67.8 53.4 80.2  
63 39.8 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: 122.900 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

Instrument :

BNA\_G

ClientSampleId :

CL-01-121018-B

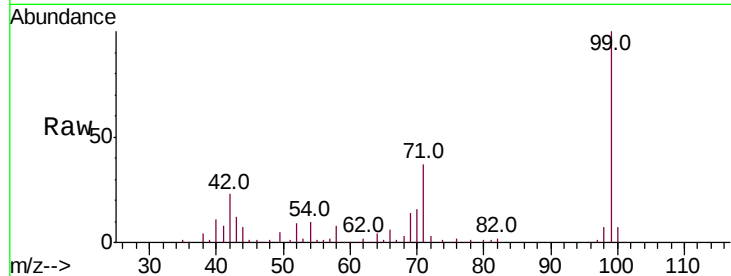
Tot Ion: 99 Resp: 218616

Ion Ratio Lower Upper

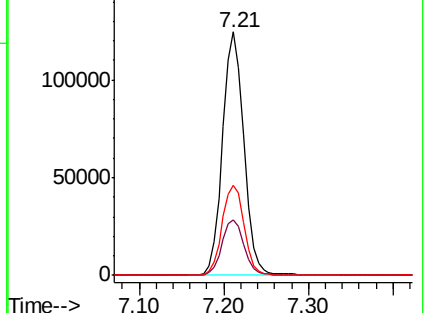
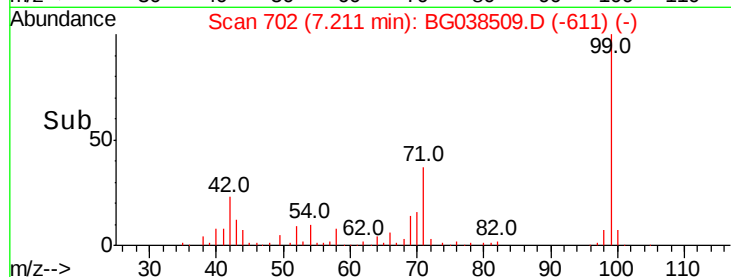
99 100

42 22.7 18.5 27.7

71 37.1 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: BG038509.D

Acq: 12 Dec 2018 22:04

Tgt Ion: 136 Resp: 91073

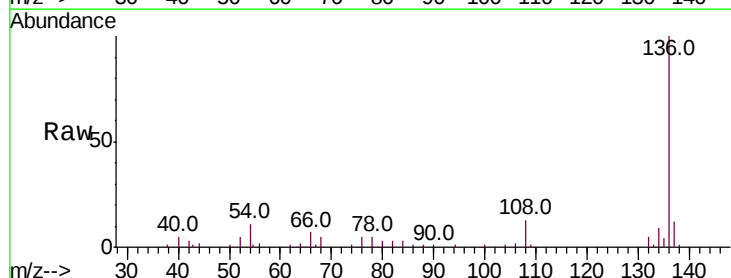
Ion Ratio Lower Upper

136 100

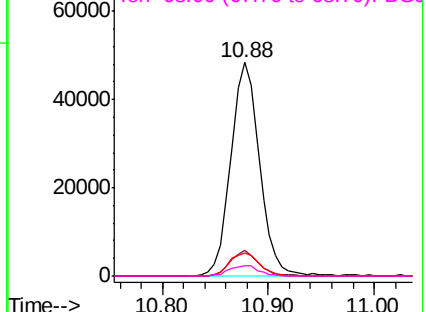
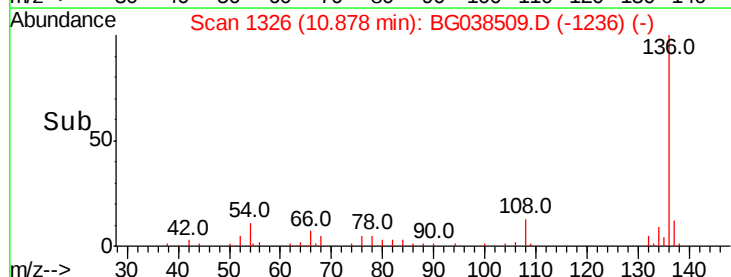
137 12.2 9.3 13.9

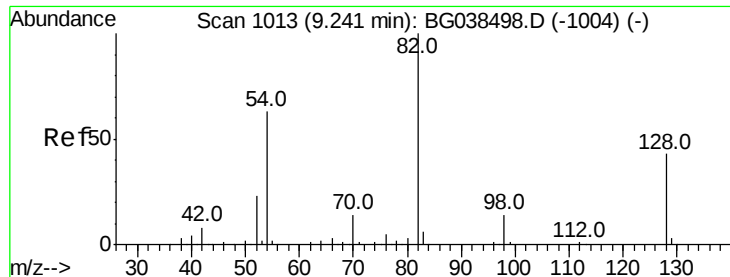
54 11.6 8.5 12.7

68 4.8 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

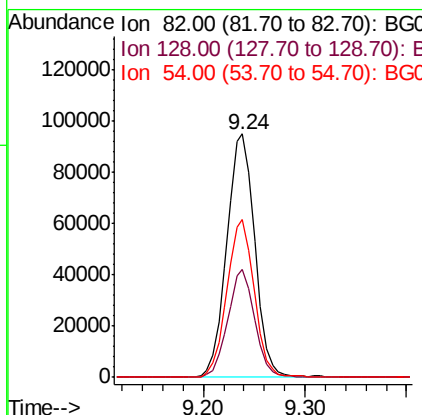
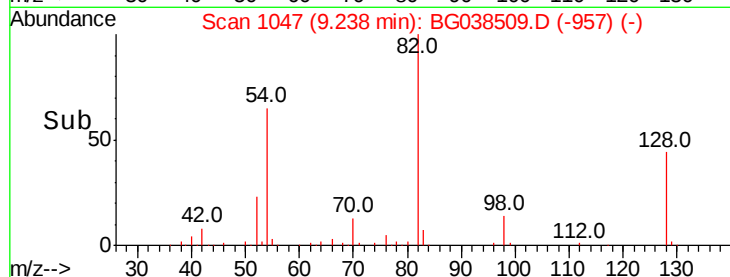
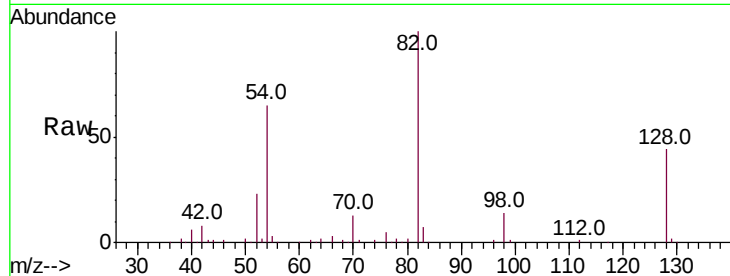




#23  
 Nitrobenzene-d5  
 Concen: 102.266 ng  
 RT: 9.24 min Scan# 1047  
 Delta R.T. -0.00 min  
 Lab File: BG038509.D  
 Acq: 12 Dec 2018 22:04

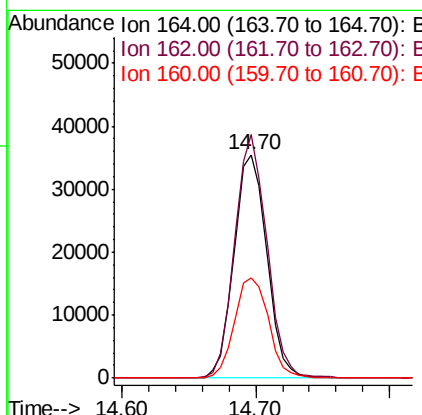
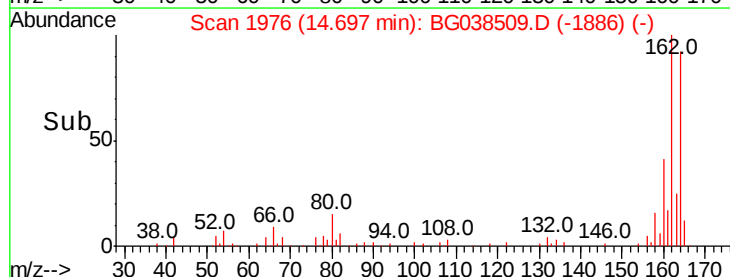
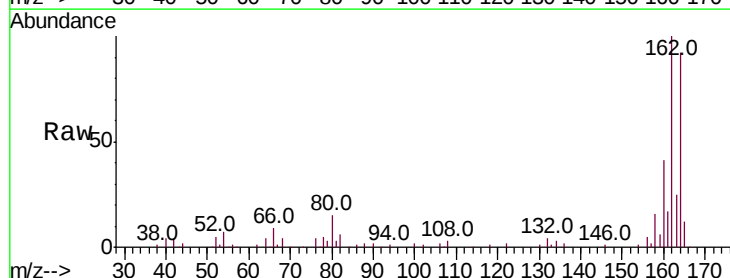
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-121018-B

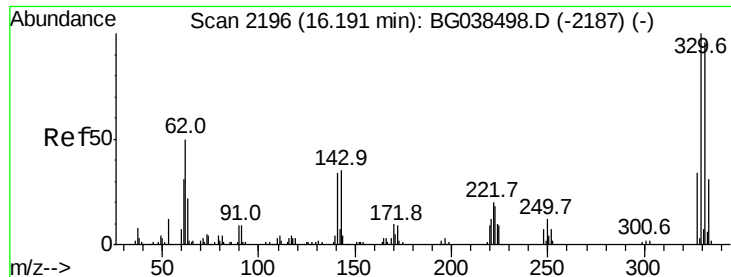
Tot Ion: 82 Resp: 182309  
 Ion Ratio Lower Upper  
 82 100  
 128 44.5 34.6 52.0  
 54 64.6 50.6 76.0



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.70 min Scan# 1976  
 Delta R.T. -0.00 min  
 Lab File: BG038509.D  
 Acq: 12 Dec 2018 22:04

Tgt Ion:164 Resp: 60564  
 Ion Ratio Lower Upper  
 164 100  
 162 109.0 86.6 130.0  
 160 45.1 34.2 51.2

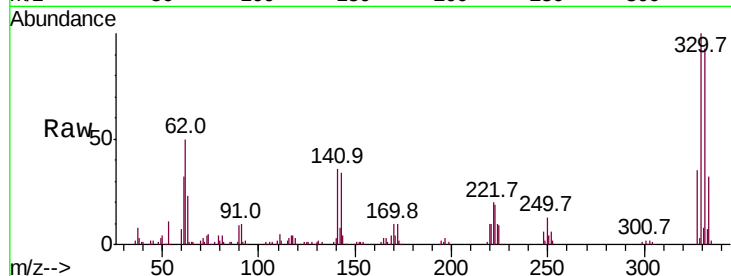




#42  
 2,4,6-Tribromophenol  
 Concen: 177.902 ng  
 RT: 16.19 min Scan# 2230  
 Delta R.T. -0.00 min  
 Lab File: BG038509.D  
 Acq: 12 Dec 2018 22:04

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-01-121018-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.0  | 76.9  | 115.3 |
| 141     | 36.2  | 28.8  | 43.2  |

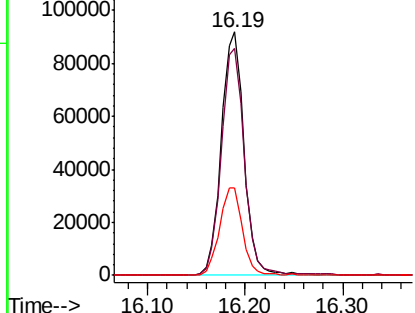
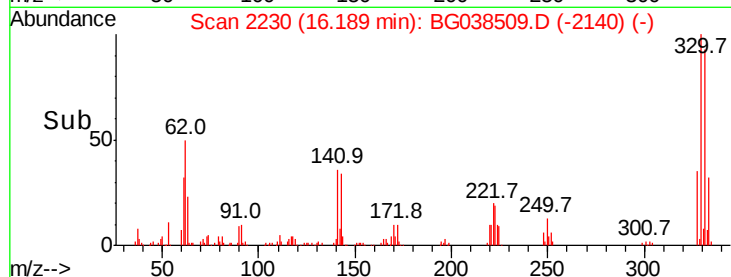


Abundance

Ion 329.80 (329.50 to 330.50): E

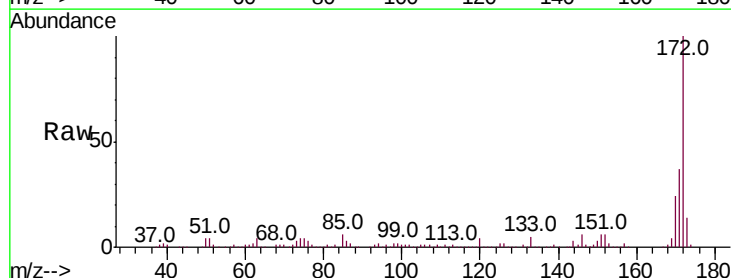
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 97.473 ng  
 RT: 13.32 min Scan# 1741  
 Delta R.T. -0.00 min  
 Lab File: BG038509.D  
 Acq: 12 Dec 2018 22:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 29.8  | 44.6  |
| 170     | 23.8  | 19.5  | 29.3  |

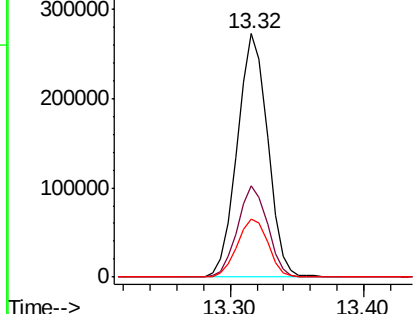
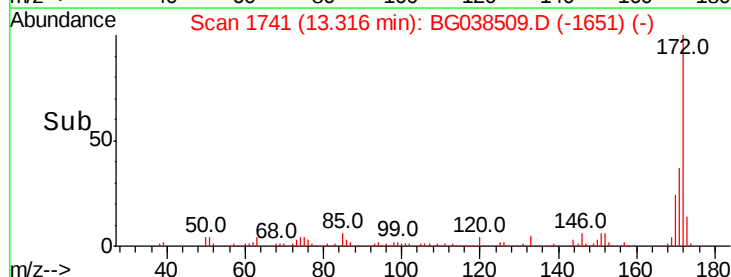


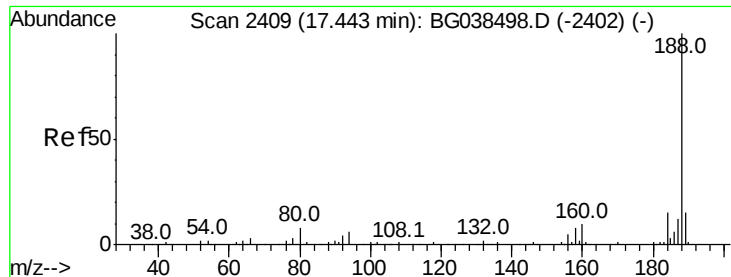
Abundance

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

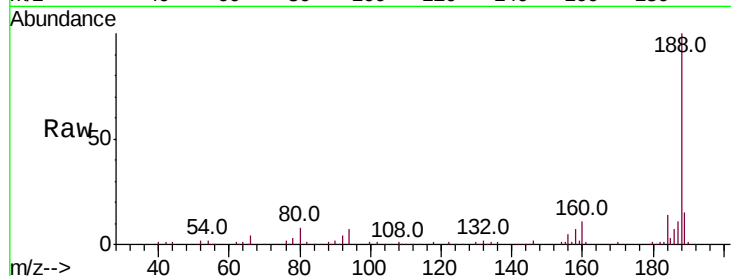




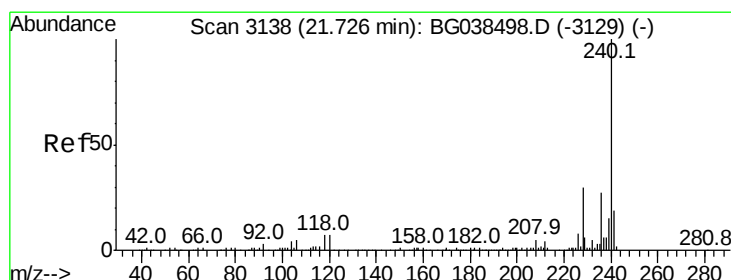
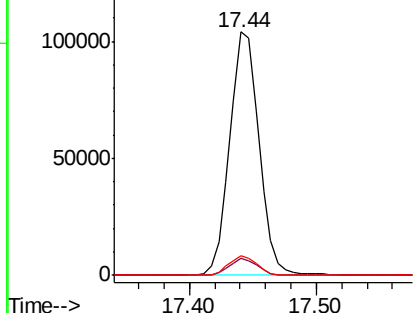
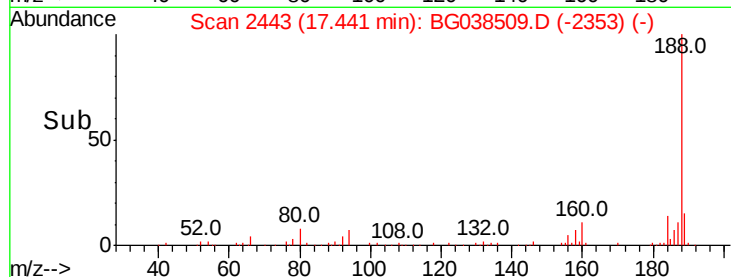
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.44 min Scan# 2443  
Delta R.T. -0.00 min  
Lab File: BG038509.D  
Acq: 12 Dec 2018 22:04

Instrument :  
BNA\_G  
ClientSampleId :  
CL-01-121018-B

Tot Ion:188 Resp: 166027  
Ion Ratio Lower Upper  
188 100  
94 7.0 5.1 7.7  
80 7.9 6.1 9.1

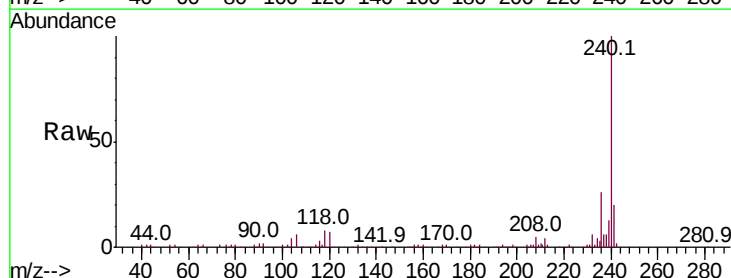


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG

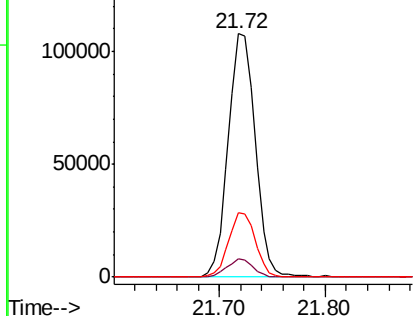
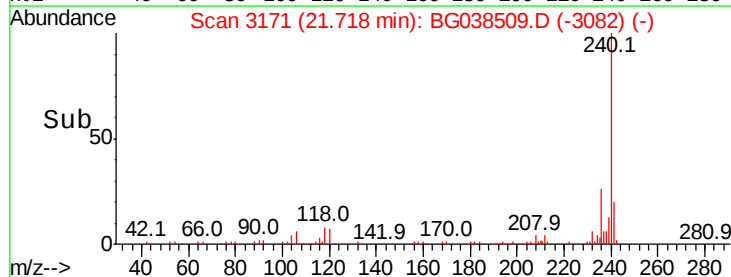


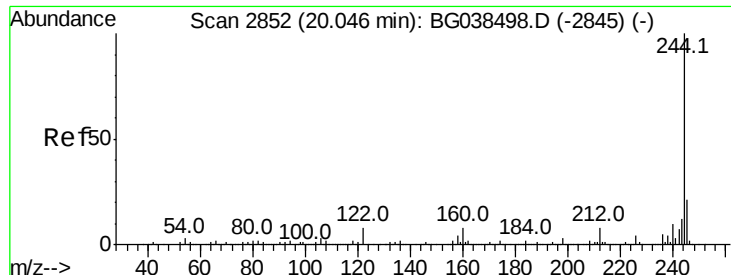
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.72 min Scan# 3171  
Delta R.T. -0.01 min  
Lab File: BG038509.D  
Acq: 12 Dec 2018 22:04

Tgt Ion:240 Resp: 191028  
Ion Ratio Lower Upper  
240 100  
120 7.4 5.3 7.9  
236 26.5 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: 109.975 ng

RT: 20.05 min Scan# 2887

Delta R.T. 0.00 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

Instrument :

BNA\_G

ClientSampleId :

CL-01-121018-B

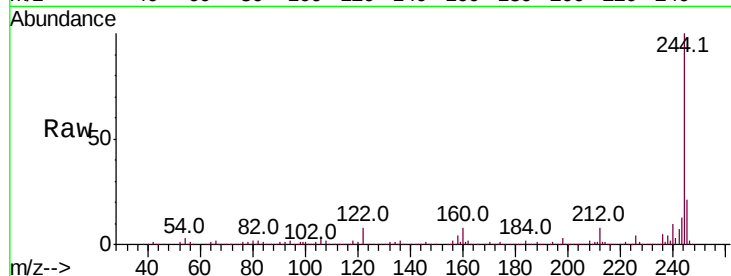
Tot Ion:244 Resp: 965304

Ion Ratio Lower Upper

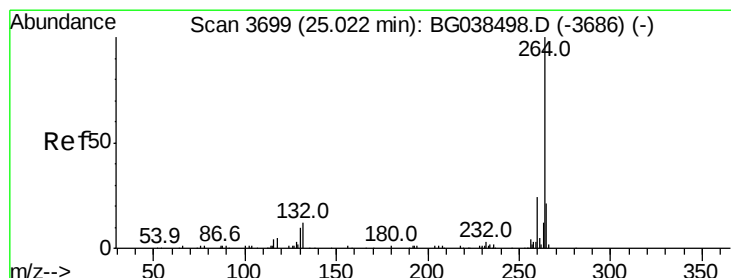
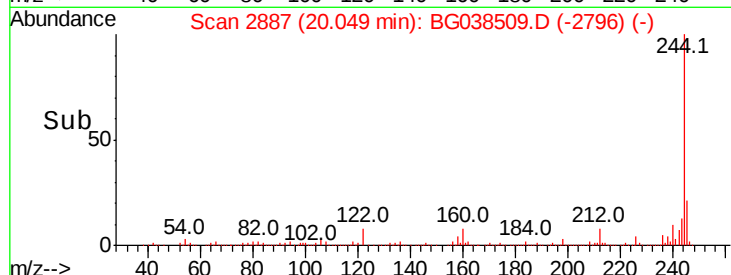
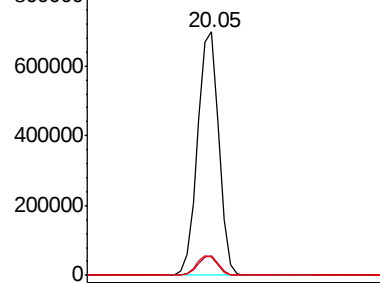
244 100

212 8.1 6.2 9.2

122 7.6 6.3 9.5



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: 25.01 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038509.D

Acq: 12 Dec 2018 22:04

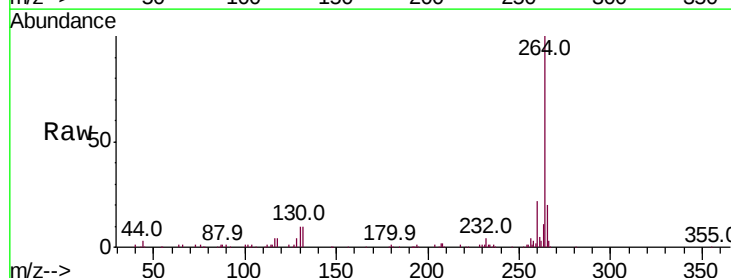
Tgt Ion:264 Resp: 193762

Ion Ratio Lower Upper

264 100

260 21.9 18.9 28.3

265 20.5 17.0 25.4



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

