

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120418\  
 Data File : BG038340.D  
 Acq On : 5 Dec 2018 1:13  
 Operator : JU/SJ  
 Sample : J6159-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB-1129-S-TCLP-GRID27

Quant Time: Dec 05 03:42:52 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  | 29814    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.89 | 136  | 177572   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.71 | 164  | 73967    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.46 | 188  | 197819   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.73 | 240  | 199906   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 25.04 | 264  | 204733   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 206112   | 122.34 | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 319303   | 131.13 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.25  | 82   | 204682   | 57.23  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.20 | 330  | 137944   | 151.91 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.33 | 172  | 468997   | 90.35  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.06 | 244  | 907221   | 97.22  | ng    | 0.00     |

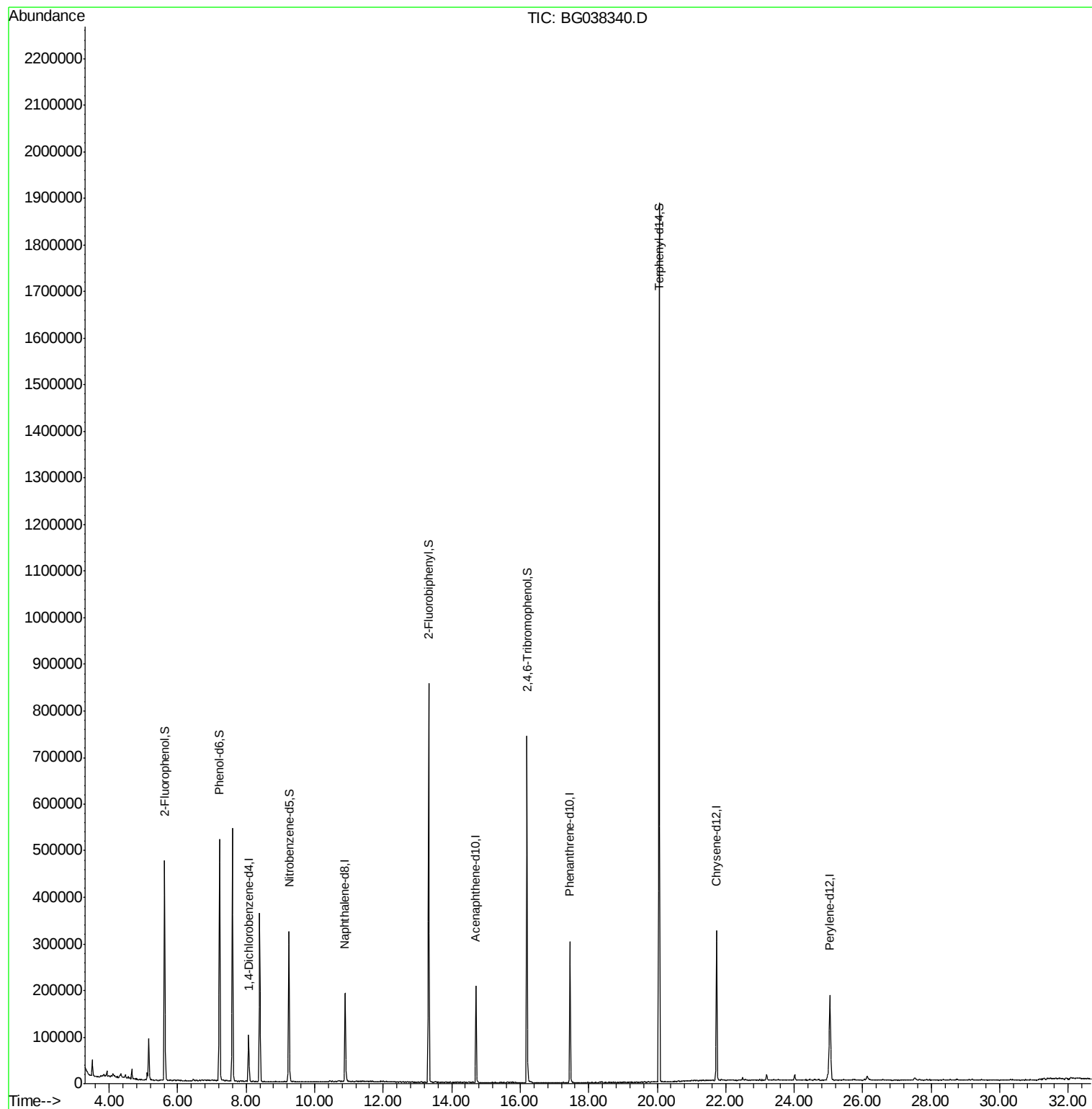
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

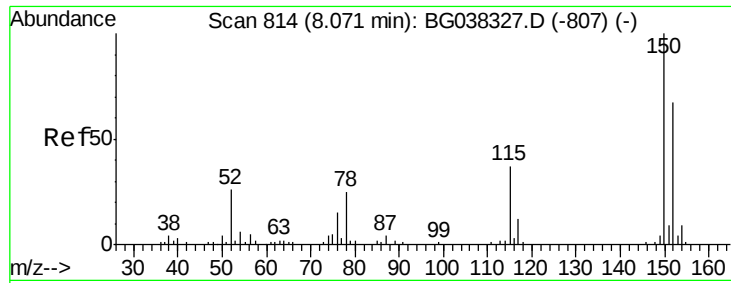
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120418\  
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Sample : J6159-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CB-1129-S-TCLP-GRID27

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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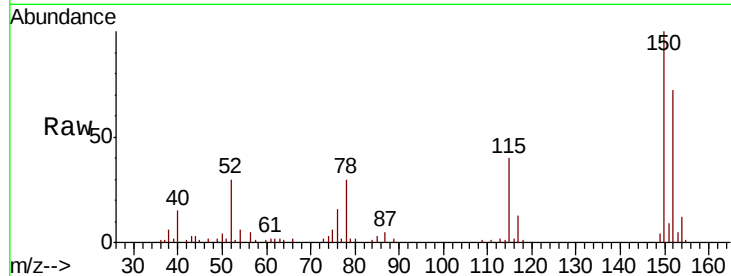




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.07 min Scan# 814  
 Delta R.T. 0.00 min  
 Lab File: BG038340.D  
 Acq: 5 Dec 2018 1:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB-1129-S-TCLP-GRID27

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 139.2 | 126.0 | 189.0 |
| 115     | 56.0  | 45.5  | 68.3  |

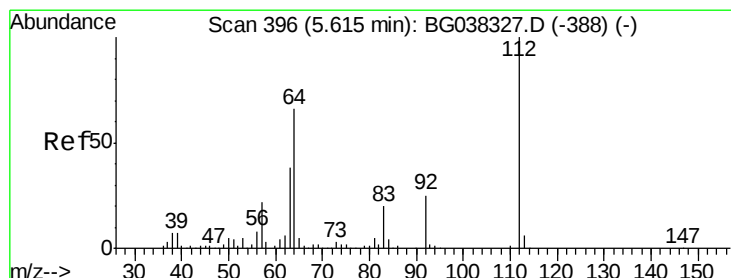
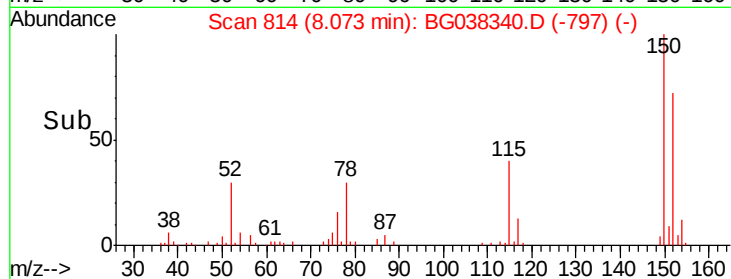
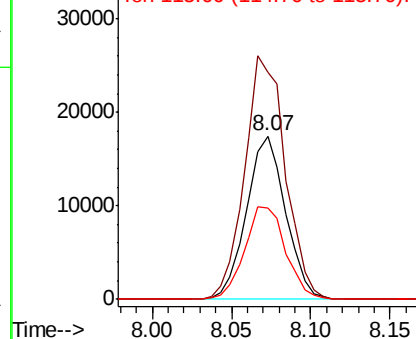


Abundance

Ion 152.00 (151.70 to 152.70): E

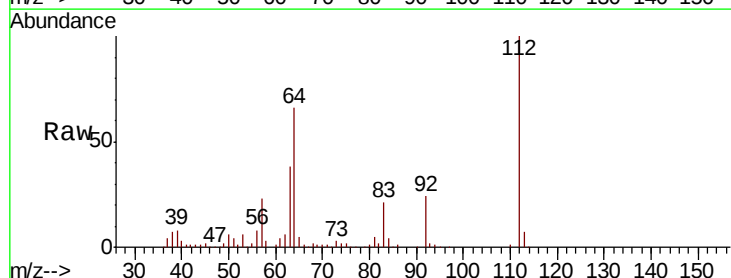
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5  
 2-Fluorophenol  
 Concen: 122.340 ng  
 RT: 5.62 min Scan# 396  
 Delta R.T. 0.00 min  
 Lab File: BG038340.D  
 Acq: 5 Dec 2018 1:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.8  | 53.1  | 79.7  |
| 63      | 38.1  | 27.3  | 40.9  |

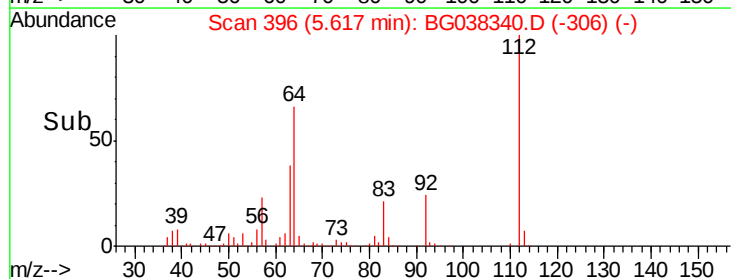
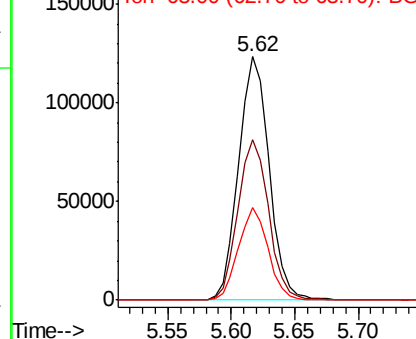


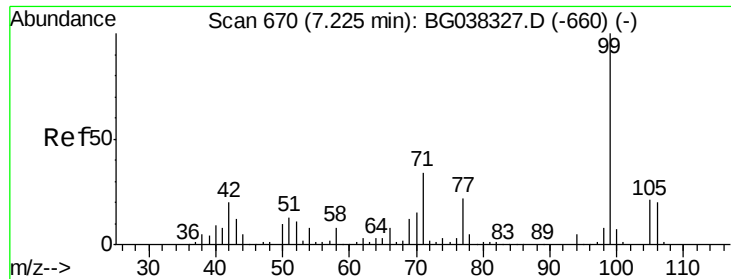
Abundance

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: 131.129 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG038340.D

Acq: 5 Dec 2018 1:13

Instrument :

BNA\_G

ClientSampleId :

CB-1129-S-TCLP-GRID27

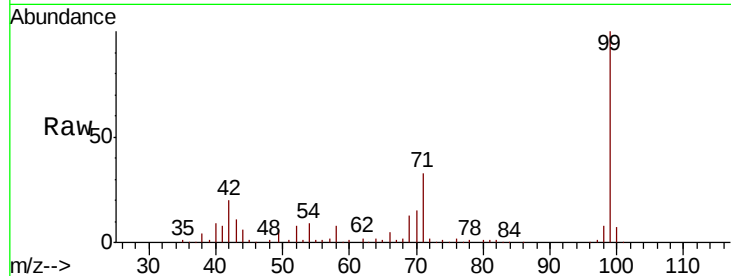
Tot Ion: 99 Resp: 319303

Ion Ratio Lower Upper

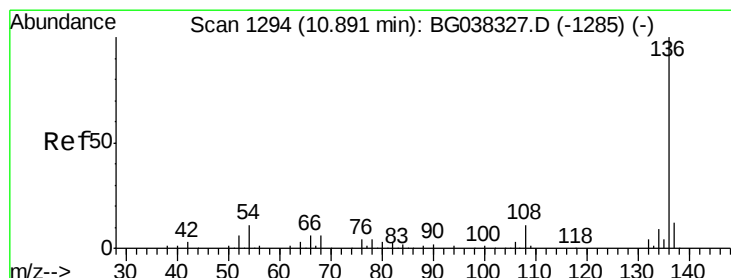
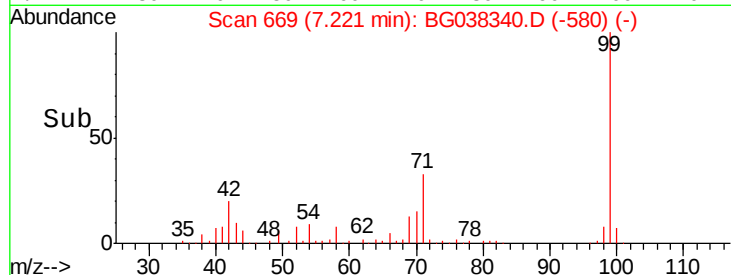
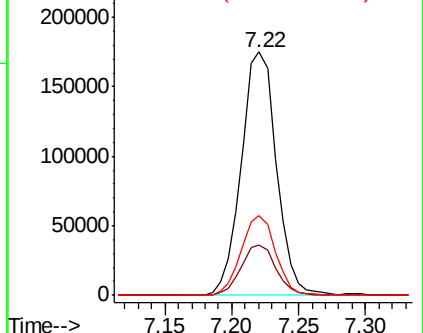
99 100

42 20.5 15.0 22.4

71 32.8 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: BG038340.D

Acq: 5 Dec 2018 1:13

Tgt Ion: 136 Resp: 177572

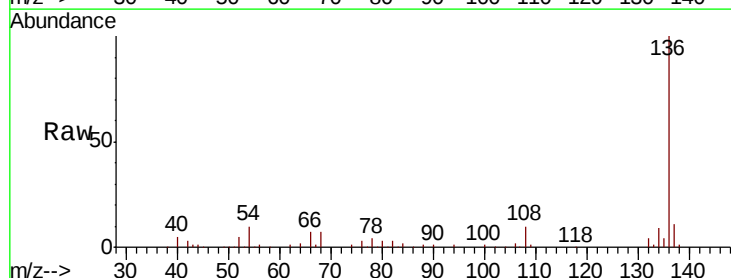
Ion Ratio Lower Upper

136 100

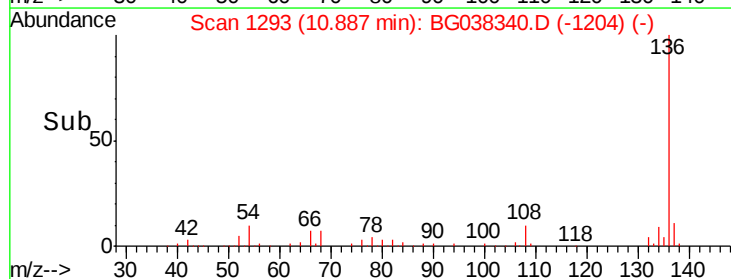
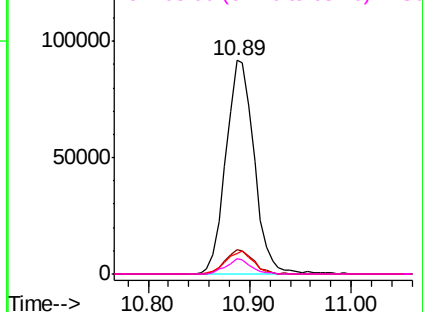
137 11.5 9.6 14.4

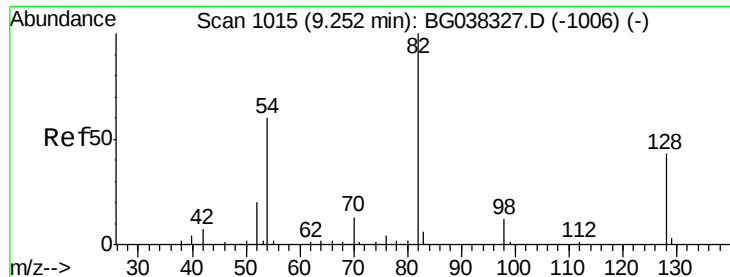
54 9.8 7.9 11.9

68 7.3 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

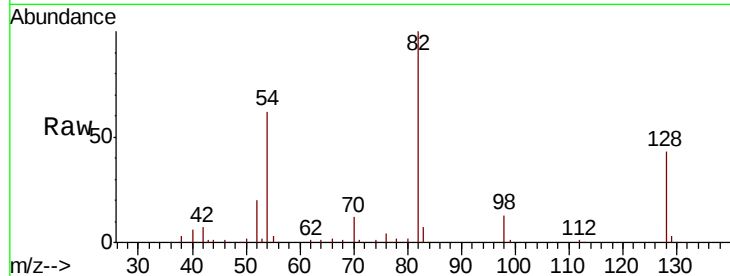




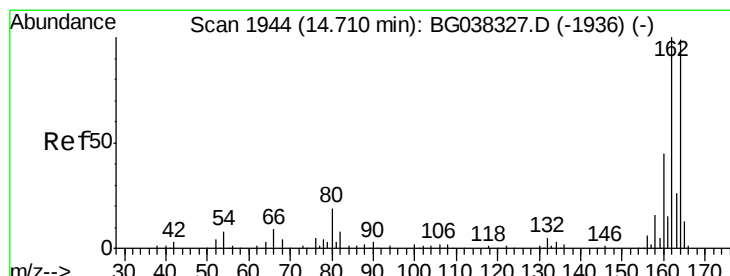
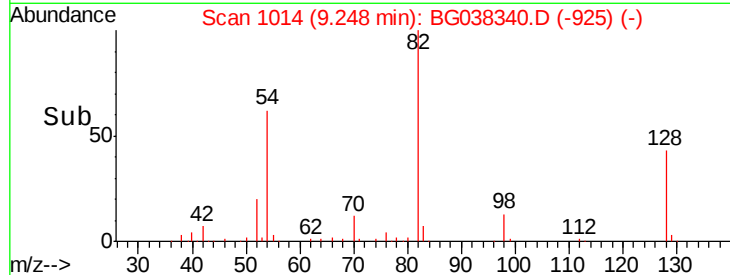
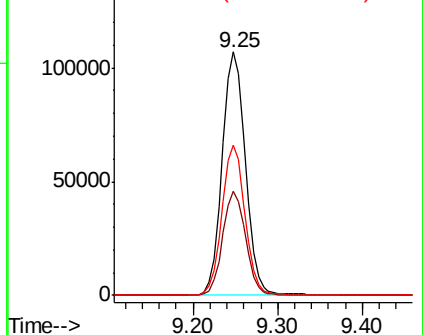
#23  
 Nitrobenzene-d5  
 Concen: 57.228 ng  
 RT: 9.25 min Scan# 1014  
 Delta R.T. -0.00 min  
 Lab File: BG038340.D  
 Acq: 5 Dec 2018 1:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB-1129-S-TCLP-GRID27

| Tot Ion   | 82    | Resp  | 204682 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.6  | 34.6  | 51.8   |
| 54        | 61.8  | 45.3  | 67.9   |

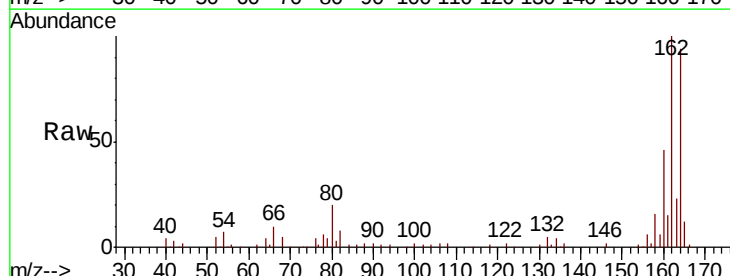


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

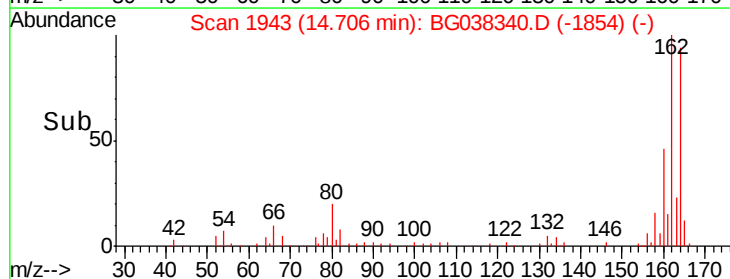
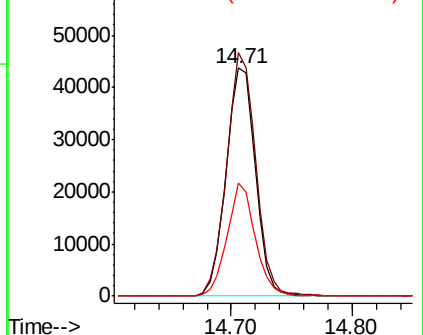


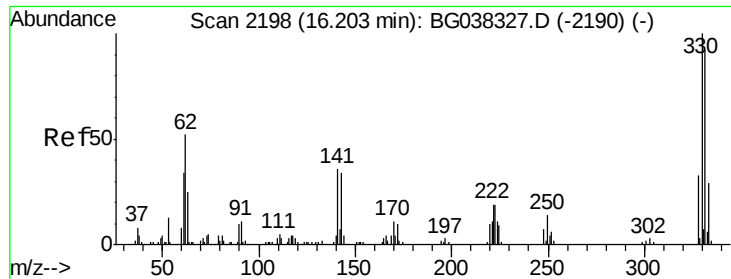
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.71 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: BG038340.D  
 Acq: 5 Dec 2018 1:13

| Tgt Ion   | 164   | Resp  | 73967 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 106.7 | 81.3  | 121.9 |
| 160       | 49.6  | 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

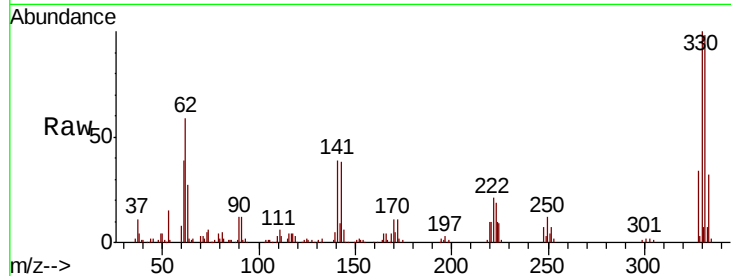




#42  
 2,4,6-Tribromophenol  
 Concen: 151.915 ng  
 RT: 16.20 min Scan# 2197  
 Delta R.T. -0.00 min  
 Lab File: BG038340.D  
 Acq: 5 Dec 2018 1:13

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB-1129-S-TCLP-GRID27

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 78.4  | 117.6 |
| 141     | 39.5  | 32.2  | 48.2  |

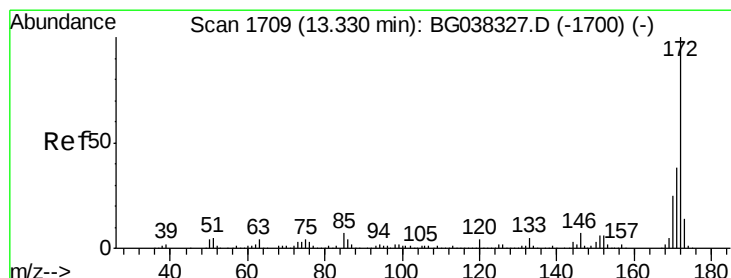
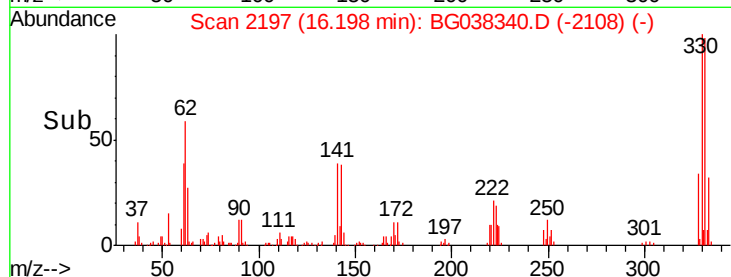
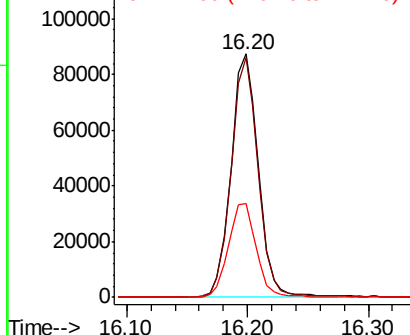


Abundance

Ion 329.80 (329.50 to 330.50): E

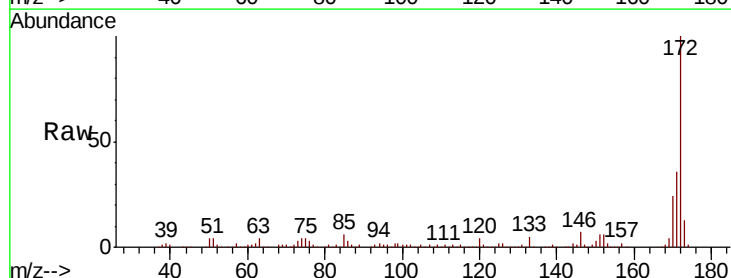
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 90.348 ng  
 RT: 13.33 min Scan# 1708  
 Delta R.T. -0.00 min  
 Lab File: BG038340.D  
 Acq: 5 Dec 2018 1:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 31.0  | 46.4  |
| 170     | 24.0  | 20.2  | 30.2  |

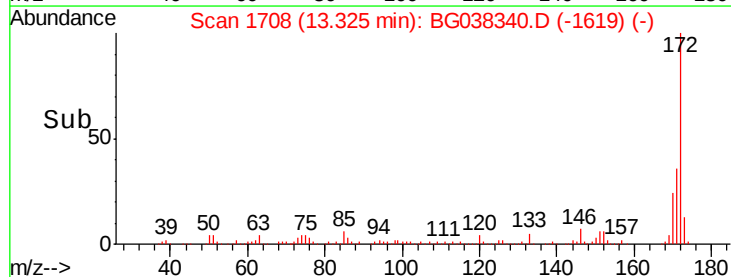
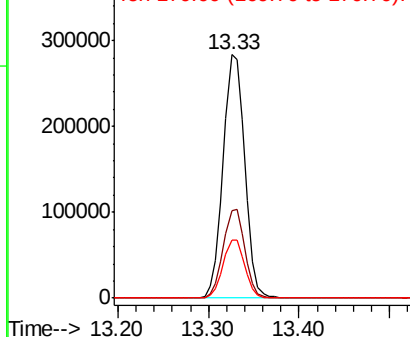


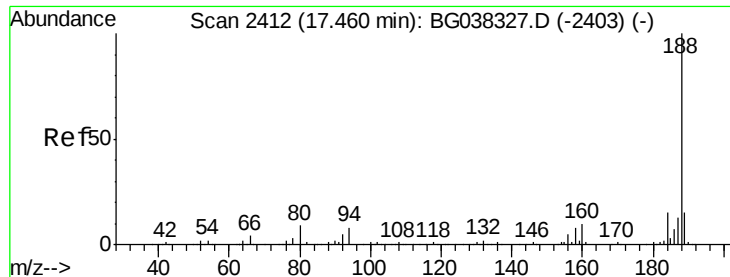
Abundance

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: 17.46 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BG038340.D

Acq: 5 Dec 2018 1:13

Instrument :

BNA\_G

ClientSampleId :

CB-1129-S-TCLP-GRID27

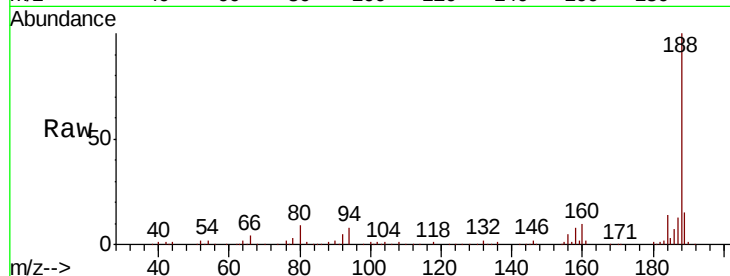
Tot Ion:188 Resp: 197819

Ion Ratio Lower Upper

188 100

94 7.9 7.2 10.8

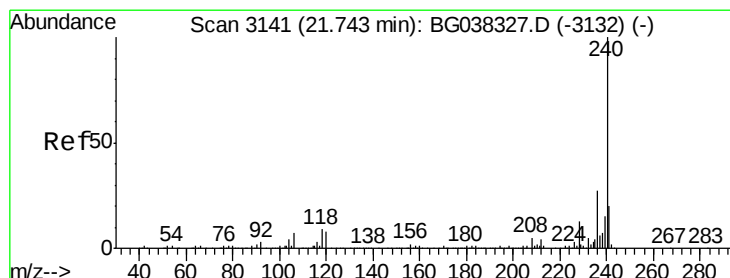
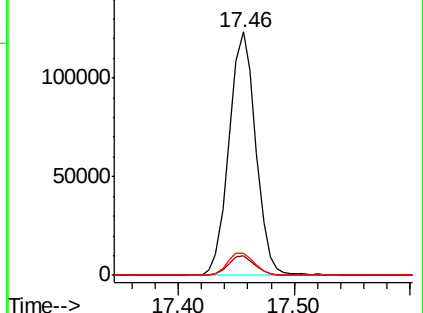
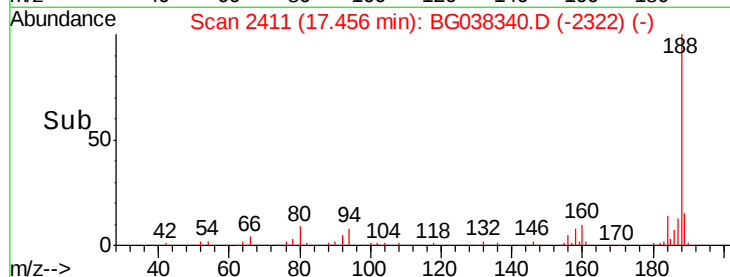
80 9.0 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.73 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BG038340.D

Acq: 5 Dec 2018 1:13

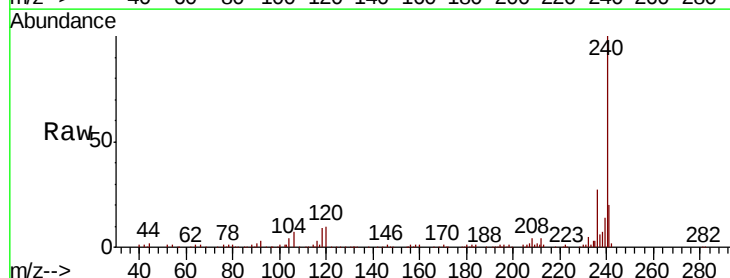
Tgt Ion:240 Resp: 199906

Ion Ratio Lower Upper

240 100

120 10.3 8.1 12.1

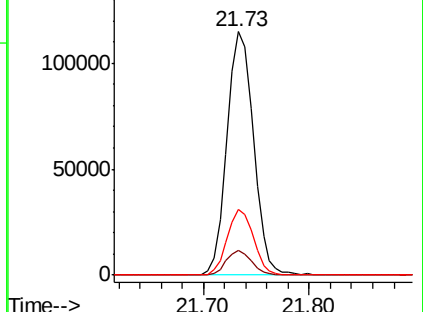
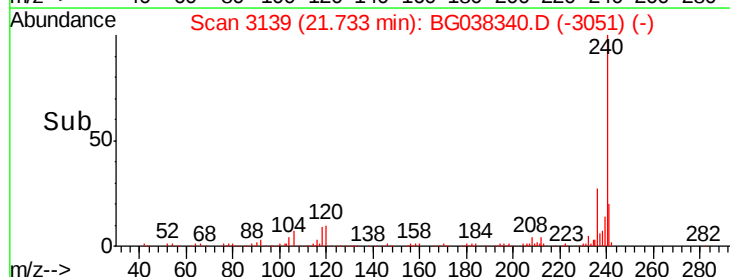
236 26.9 21.4 32.0

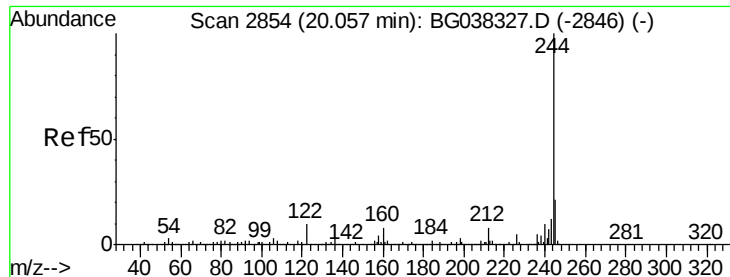


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 97.221 ng

RT: 20.06 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG038340.D

Acq: 5 Dec 2018 1:13

Instrument :

BNA\_G

ClientSampleId :

CB-1129-S-TCLP-GRID27

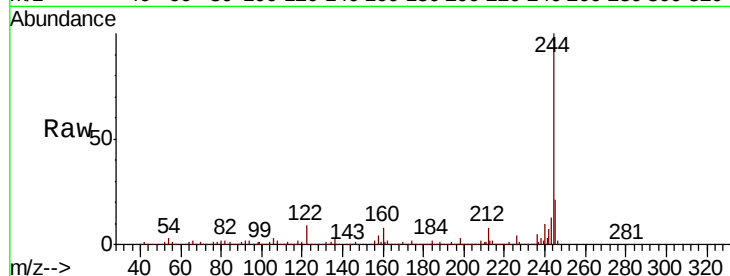
Tot Ion:244 Resp: 907221

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

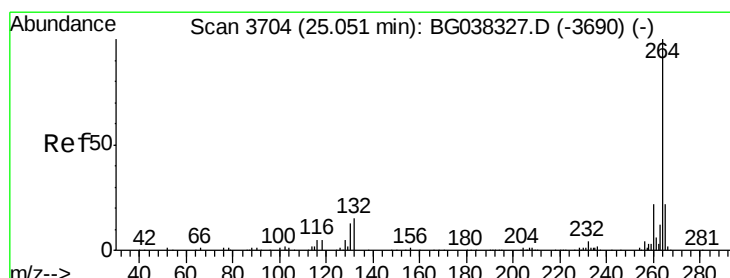
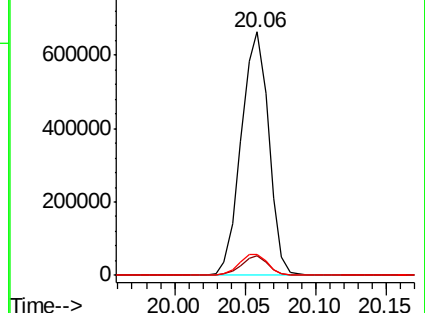
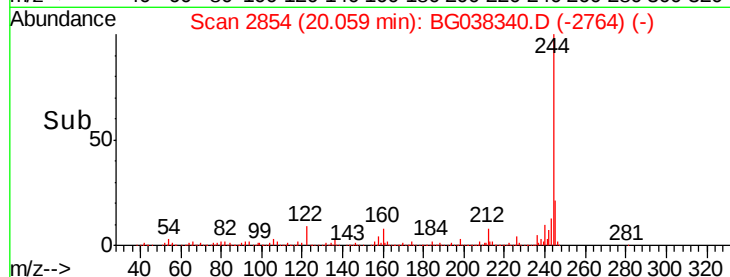
122 8.8 9.0 13.4#



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: BG038340.D

Acq: 5 Dec 2018 1:13

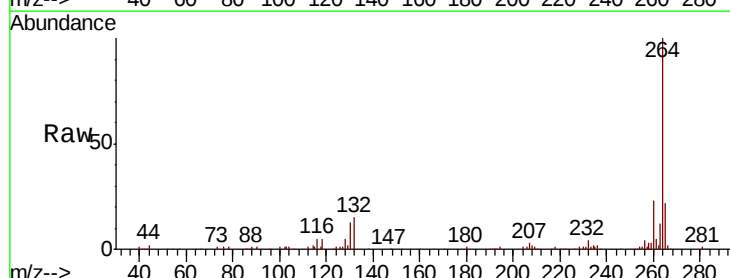
Tgt Ion:264 Resp: 204733

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 22.0 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

