

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091918\  
 Data File : BG036829.D  
 Acq On : 19 Sep 2018 21:16  
 Operator : JU/SJ  
 Sample : J4973-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB-0918-S-TCLP-GRID56-1

Quant Time: Sep 20 07:26:45 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 31 13:03:20 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 60570    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.85 | 136  | 254471   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.67 | 164  | 168081   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.42 | 188  | 404675   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.68 | 240  | 410145   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.89 | 264  | 380887   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 390251   | 102.20 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 509006   | 93.11  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 388060   | 82.74  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 184700   | 92.09  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.29 | 172  | 866570   | 73.61  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.02 | 244  | 1374739  | 78.34  | ng    | -0.01    |

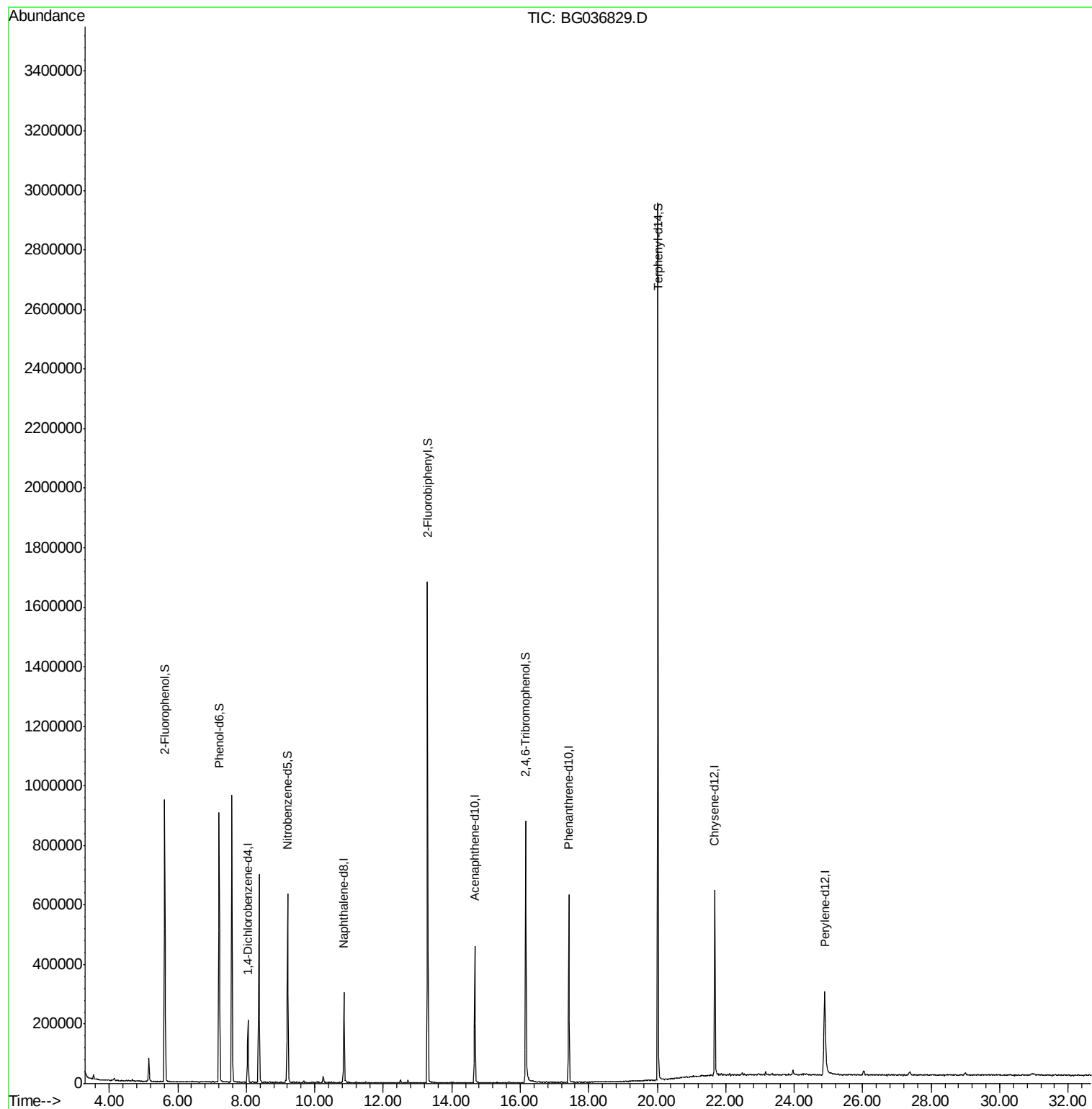
Target Compounds Qvalue

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

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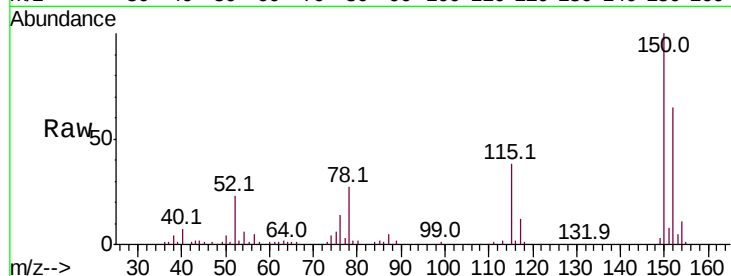


#1

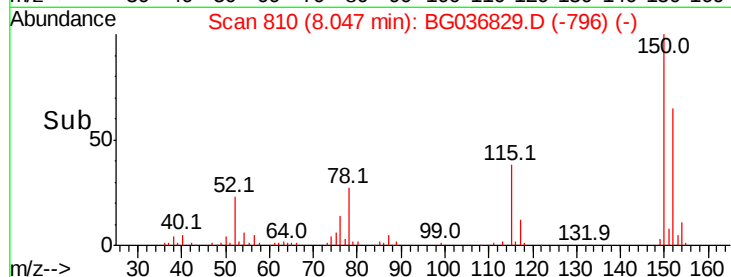
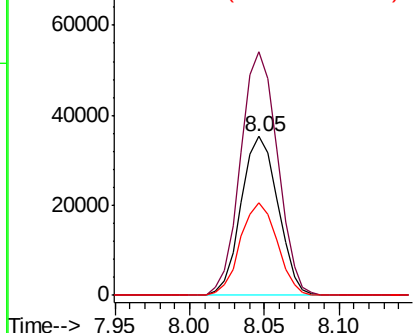
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.05 min Scan# 810  
 Delta R.T. -0.02 min  
 Lab File: BG036829.D  
 Acq: 19 Sep 2018 21:16

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB-0918-S-TCLP-GRID56-1

Tot Ion:152 Resp: 60570  
 Ion Ratio Lower Upper  
 152 100  
 150 153.1 119.5 179.3  
 115 58.2 44.5 66.7



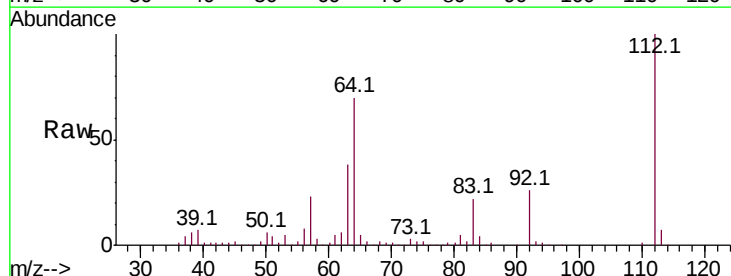
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



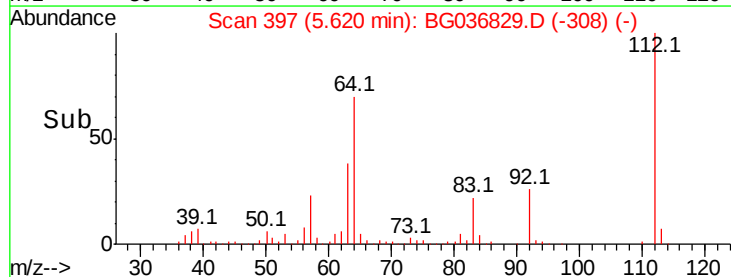
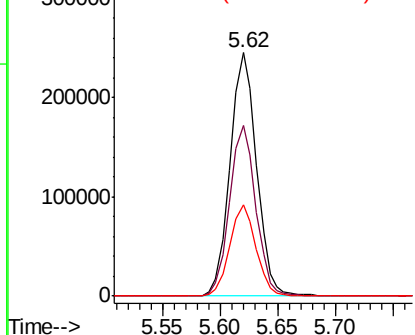
#5

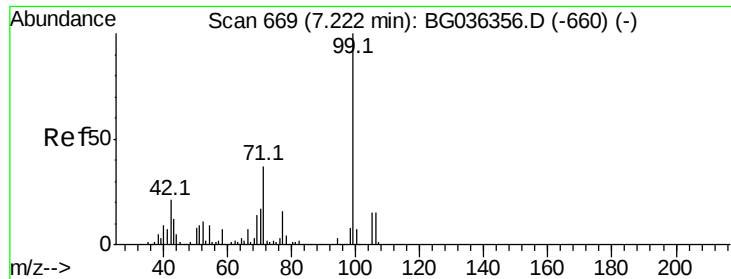
2-Fluorophenol  
 Concen: 102.205 ng  
 RT: 5.62 min Scan# 397  
 Delta R.T. -0.01 min  
 Lab File: BG036829.D  
 Acq: 19 Sep 2018 21:16

Tgt Ion:112 Resp: 390251  
 Ion Ratio Lower Upper  
 112 100  
 64 70.2 57.2 85.8  
 63 37.7 30.8 46.2



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: 93.107 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036829.D

Acq: 19 Sep 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

CB-0918-S-TCLP-GRID56-1

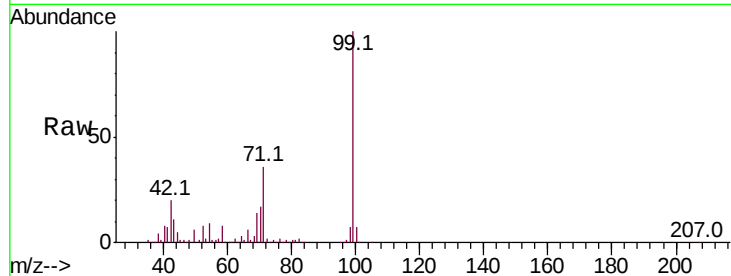
Tot Ion: 99 Resp: 509006

Ion Ratio Lower Upper

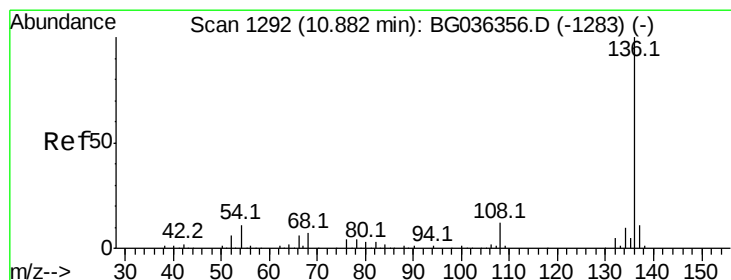
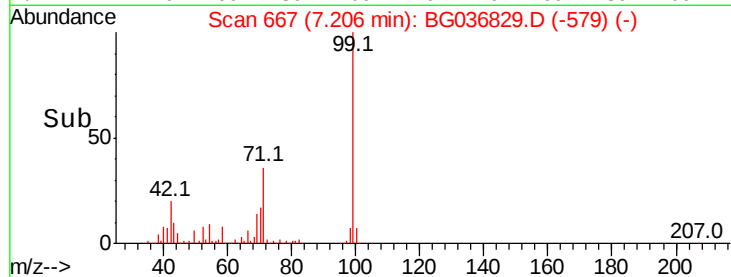
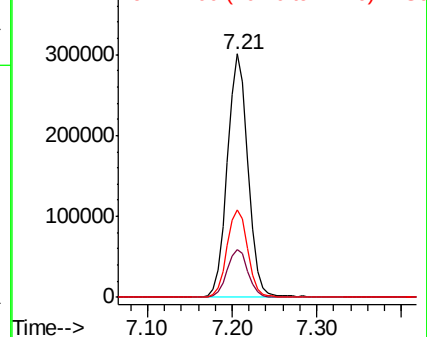
99 100

42 19.6 16.5 24.7

71 36.1 29.4 44.2



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: 10.85 min Scan# 1287

Delta R.T. -0.02 min

Lab File: BG036829.D

Acq: 19 Sep 2018 21:16

Tgt Ion: 136 Resp: 254471

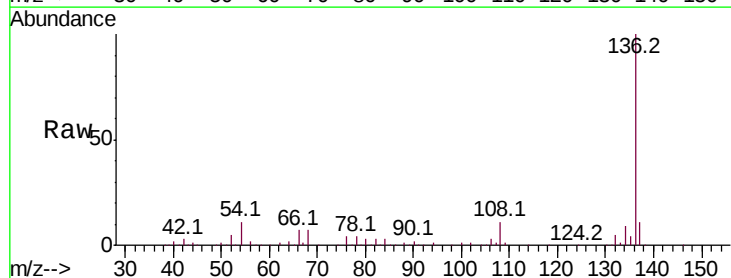
Ion Ratio Lower Upper

136 100

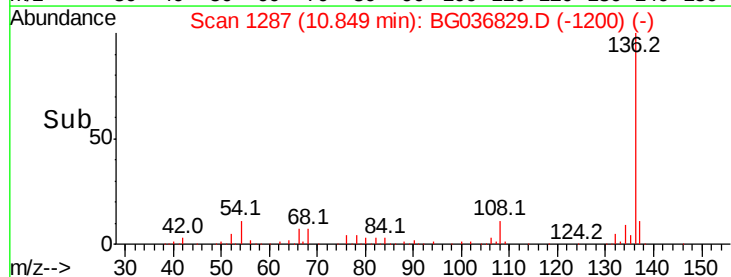
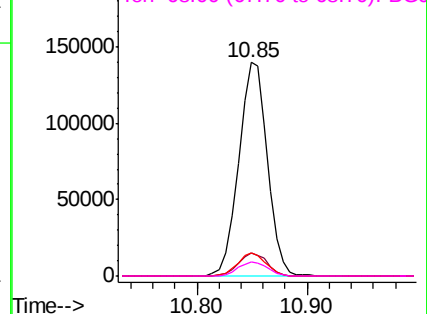
137 10.8 8.8 13.2

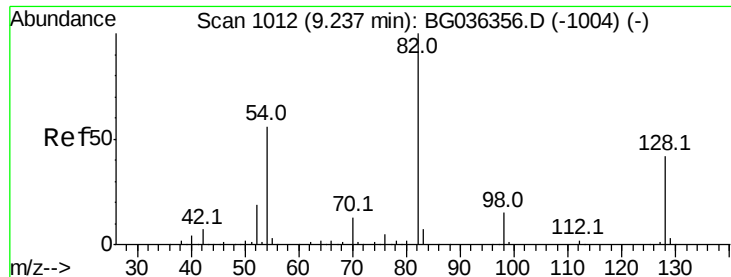
54 10.7 9.2 13.8

68 6.7 5.8 8.6



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

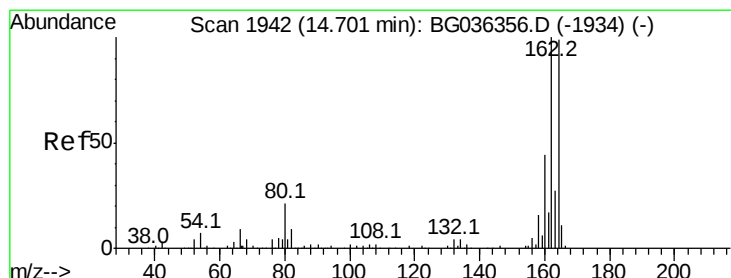
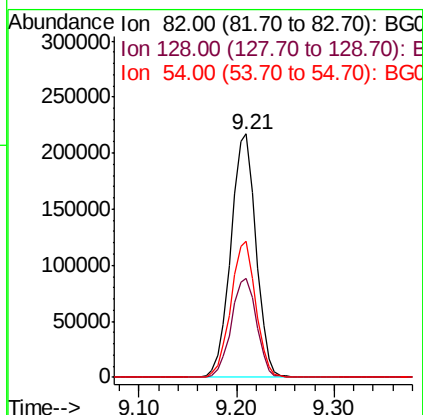
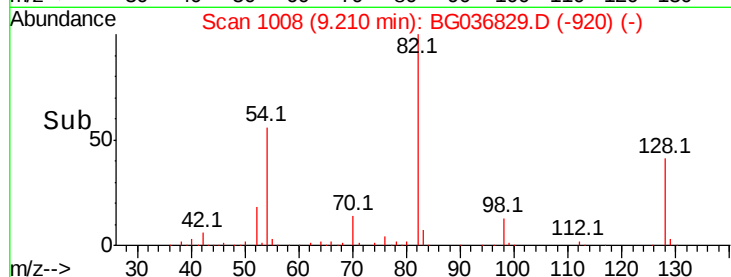
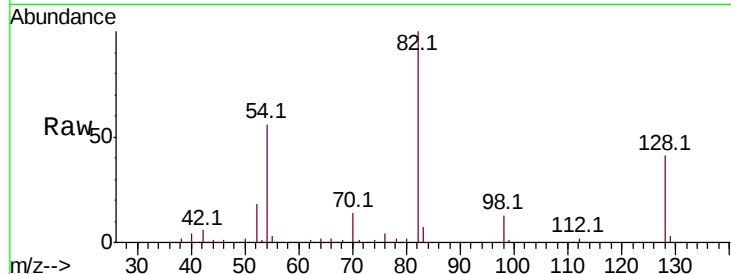




#23  
Nitrobenzene-d5  
Concen: 82.740 ng  
RT: 9.21 min Scan# 1008  
Delta R.T. -0.01 min  
Lab File: BG036829.D  
Acq: 19 Sep 2018 21:16

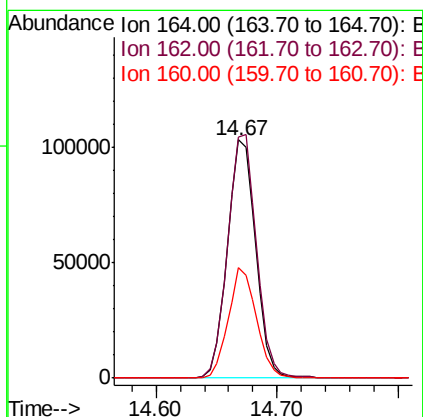
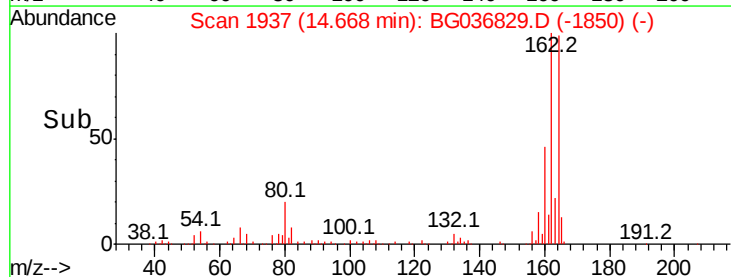
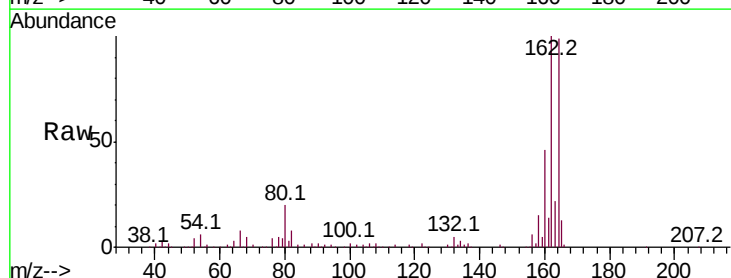
Instrument :  
BNA\_G  
ClientSampleId :  
CB-0918-S-TCLP-GRID56-1

Tot Ion: 82 Resp: 388060  
Ion Ratio Lower Upper  
82 100  
128 40.8 33.3 49.9  
54 55.8 45.1 67.7



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.67 min Scan# 1937  
Delta R.T. -0.02 min  
Lab File: BG036829.D  
Acq: 19 Sep 2018 21:16

Tgt Ion:164 Resp: 168081  
Ion Ratio Lower Upper  
164 100  
162 101.4 80.7 121.1  
160 46.2 35.3 52.9

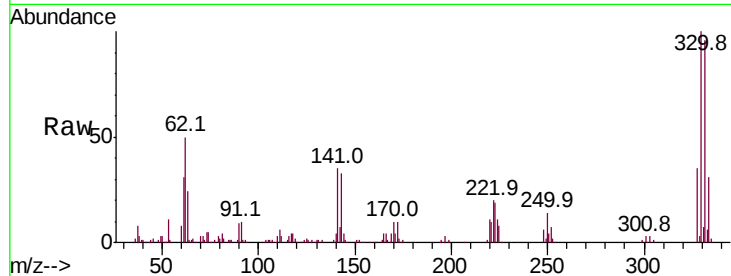




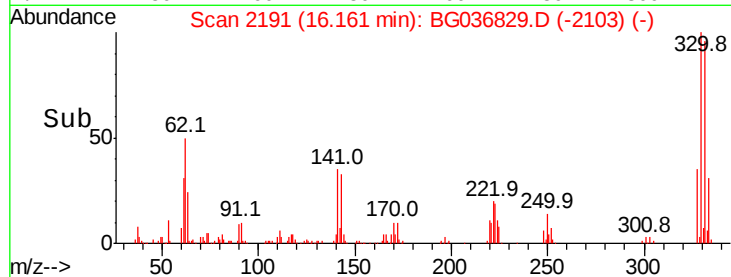
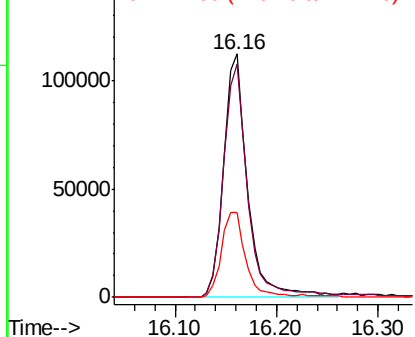
#41  
 2,4,6-Tribromophenol  
 Concen: 92.093 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.01 min  
 Lab File: BG036829.D  
 Acq: 19 Sep 2018 21:16

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB-0918-S-TCLP-GRID56-1

Tot Ion:330 Resp: 184700  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 75.4 113.2  
 141 36.2 30.7 46.1

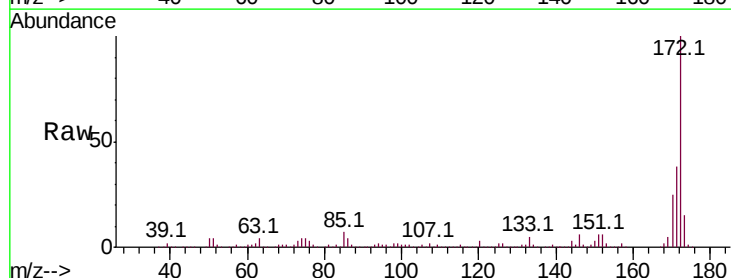


Abundance Ion 329.80 (329.50 to 330.50): E  
 150000 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

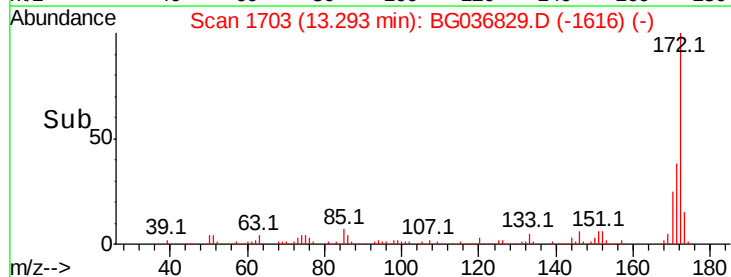
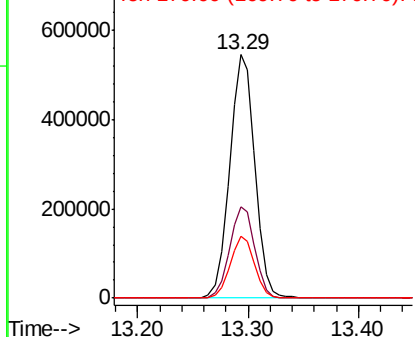


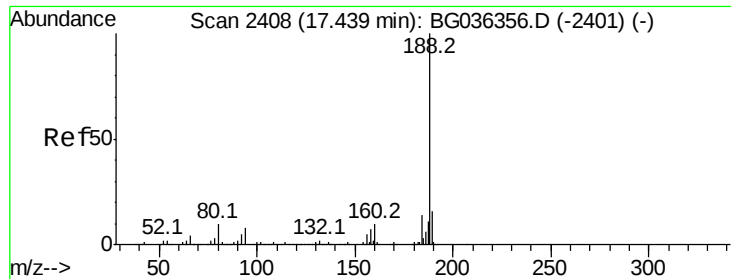
#44  
 2-Fluorobiphenyl  
 Concen: 73.614 ng  
 RT: 13.29 min Scan# 1703  
 Delta R.T. -0.02 min  
 Lab File: BG036829.D  
 Acq: 19 Sep 2018 21:16

Tgt Ion:172 Resp: 866570  
 Ion Ratio Lower Upper  
 172 100  
 171 37.7 31.3 46.9  
 170 25.5 21.0 31.6



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BG036829.D

Acq: 19 Sep 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

CB-0918-S-TCLP-GRID56-1

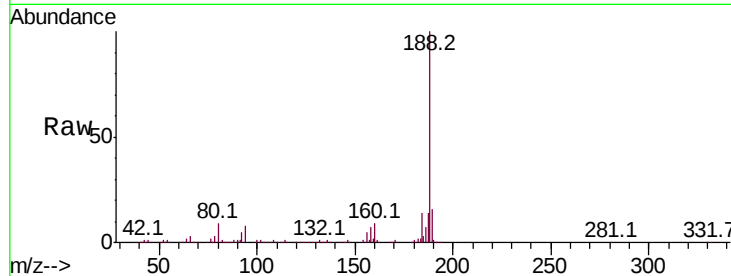
Tot Ion:188 Resp: 404675

Ion Ratio Lower Upper

188 100

94 7.6 6.7 10.1

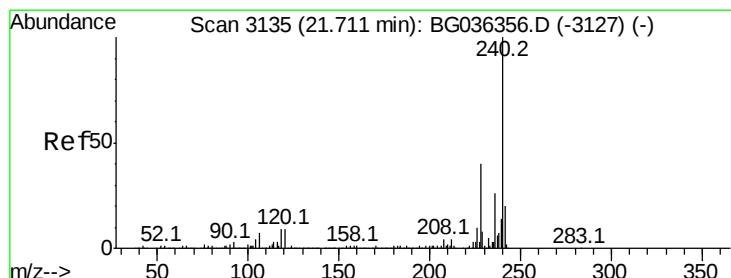
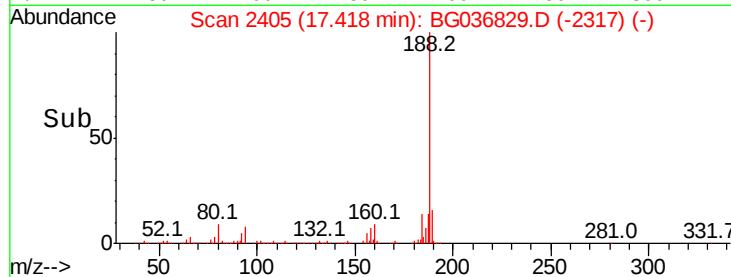
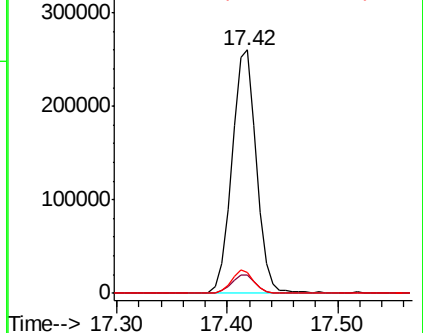
80 8.7 8.1 12.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3130

Delta R.T. -0.02 min

Lab File: BG036829.D

Acq: 19 Sep 2018 21:16

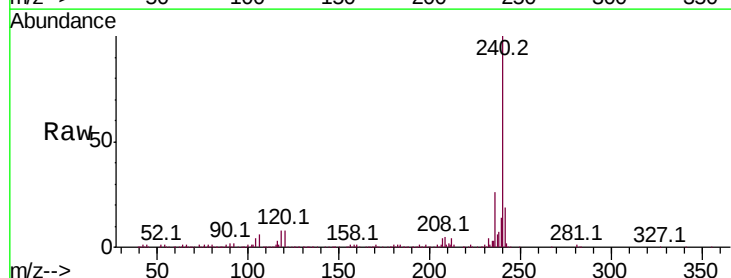
Tgt Ion:240 Resp: 410145

Ion Ratio Lower Upper

240 100

120 7.7 6.9 10.3

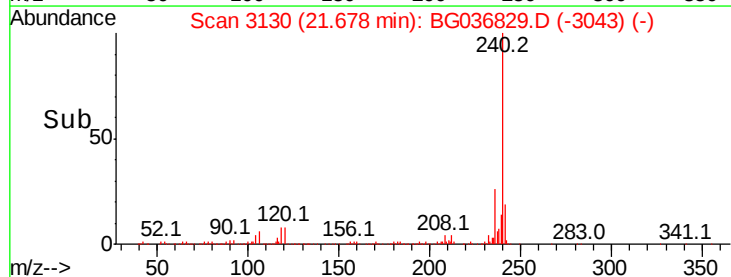
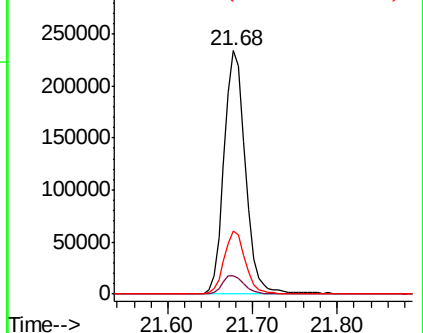
236 25.9 21.2 31.8



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



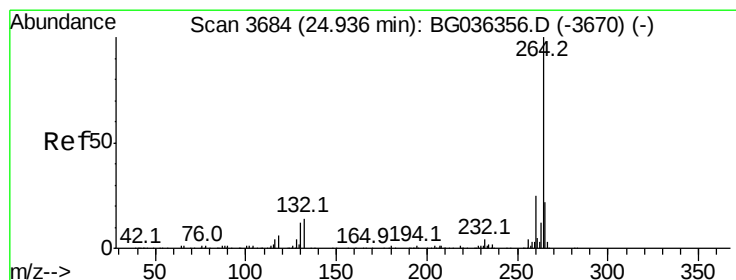
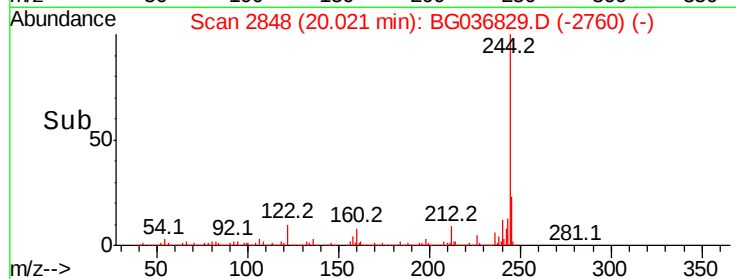
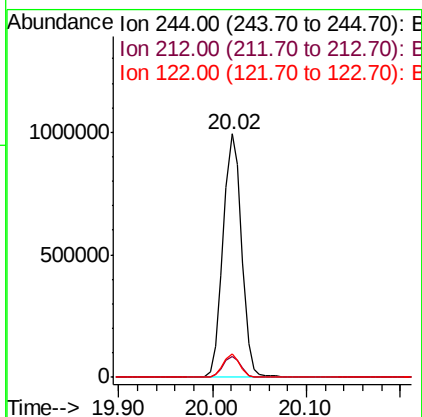
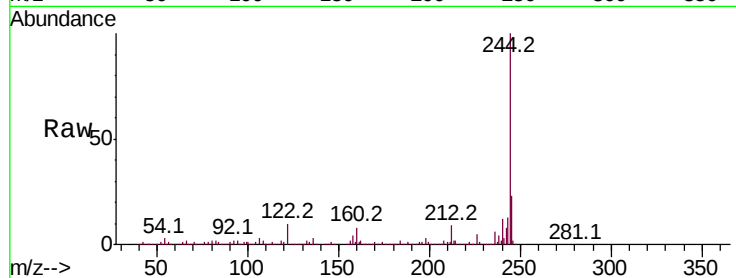


#78  
 Terphenyl-d14  
 Concen: 78.344 ng  
 RT: 20.02 min Scan# 2848  
 Delta R.T. -0.01 min  
 Lab File: BG036829.D  
 Acq: 19 Sep 2018 21:16

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB-0918-S-TCLP-GRID56-1

Tot Ion:244 Resp: 1374739  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.8   | 7.0   | 10.6  |
| 122 | 9.5   | 7.1   | 10.7  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.89 min Scan# 3676  
 Delta R.T. -0.02 min  
 Lab File: BG036829.D  
 Acq: 19 Sep 2018 21:16

Tgt Ion:264 Resp: 380887  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.5  | 19.6  | 29.4  |
| 265 | 21.4  | 17.4  | 26.0  |

