

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101717\  
 Data File : BG029336.D  
 Acq On : 18 Oct 2017 16:26  
 Operator : SJ/JU  
 Sample : I5906-18DL 25X  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WH-TWS-08DL

Quant Time: Oct 18 17:21:23 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 17:32:15 2017  
 Response via : Initial Calibration

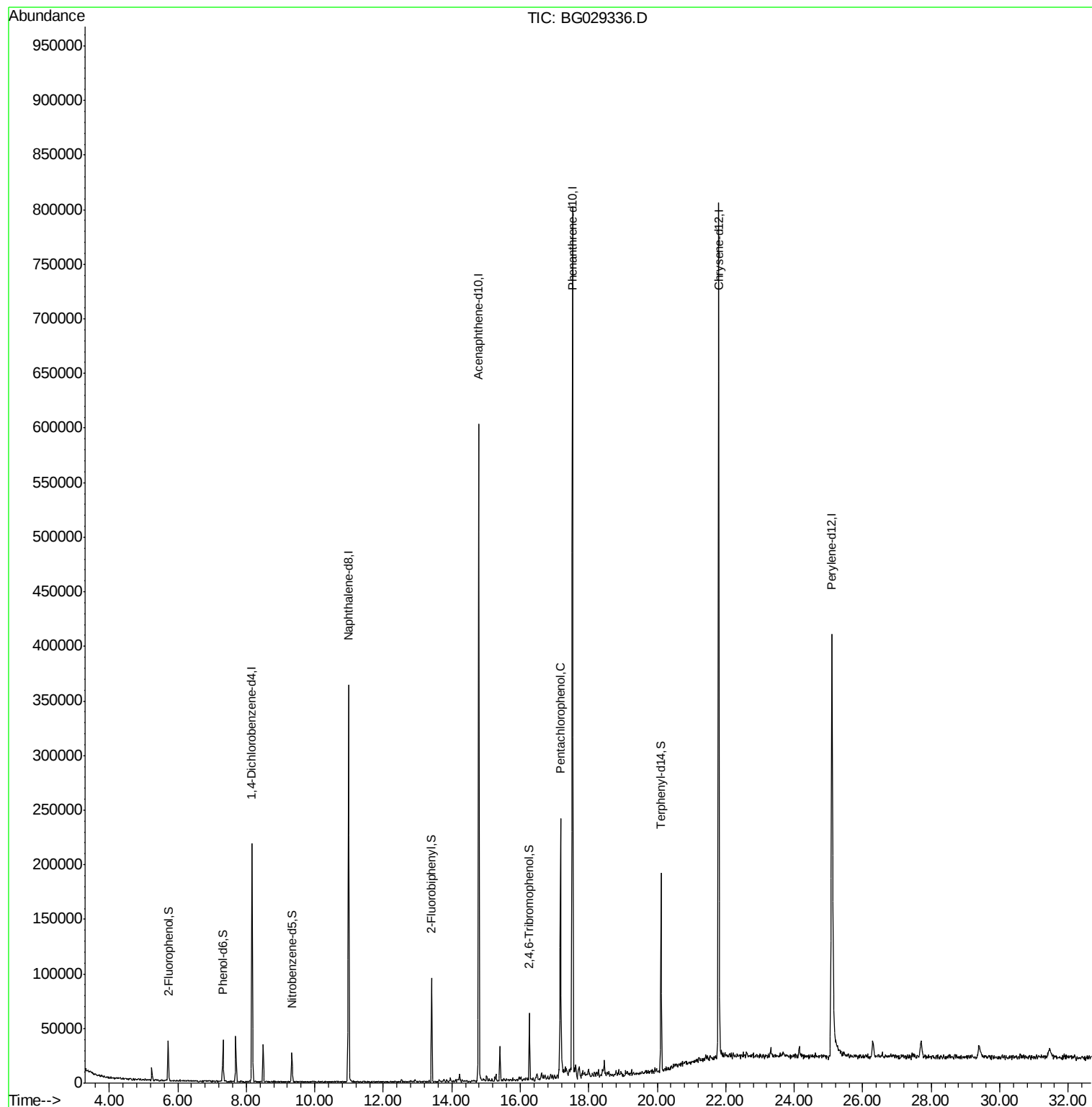
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 65111    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.98 | 136  | 323698   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.79 | 164  | 210435   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.52 | 188  | 476472   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.79 | 240  | 507362   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 25.10 | 264  | 505709   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.72  | 112  | 17638    | 4.53   | ng    | 0.00     |
| 7) Phenol-d6                | 7.32  | 99   | 24317    | 4.44   | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 17351    | 3.41   | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.27 | 330  | 11818    | 4.35   | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.41 | 172  | 54822    | 3.82   | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.11 | 244  | 82489    | 3.70   | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 69) Pentachlorophenol       | 17.17 | 266  | 51668    | 14.523 | ng    | 96       |

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

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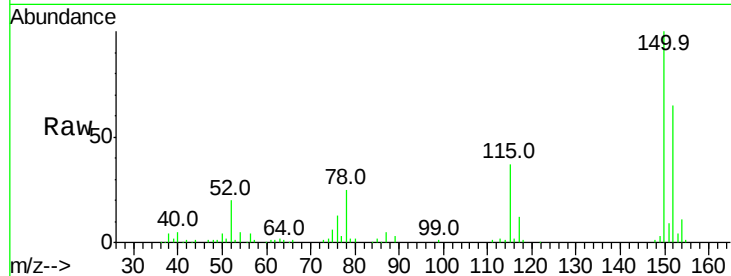


#1

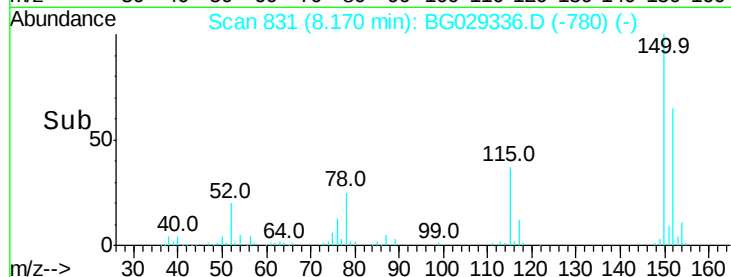
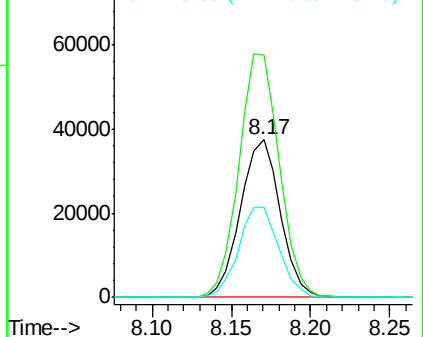
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.17 min Scan# 831  
Delta R.T. -0.00 min  
Lab File: BG029336.D  
Acq: 18 Oct 2017 16:26

Instrument :  
BNA\_G  
ClientSampleId :  
WH-TWS-08DL

Tot Ion:152 Resp: 65111  
Ion Ratio Lower Upper  
152 100  
150 153.8 126.6 189.8  
115 57.3 53.0 79.4



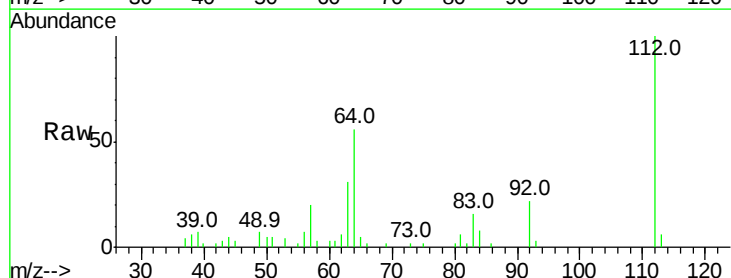
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



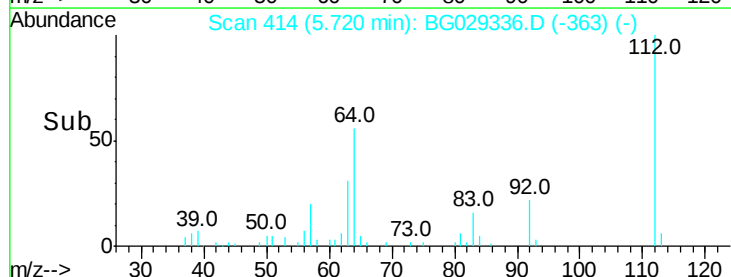
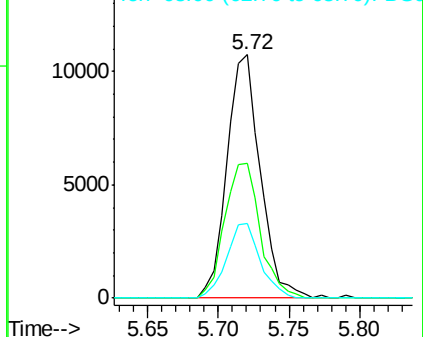
#5

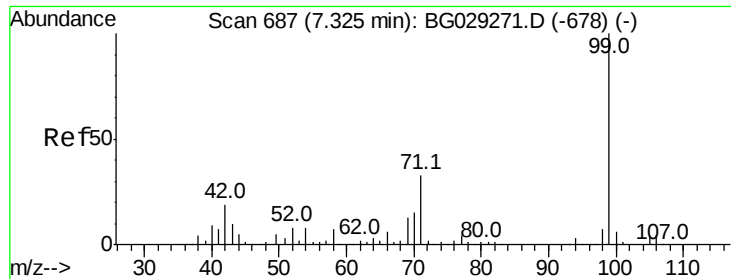
2-Fluorophenol  
Concen: 4.525 ng  
RT: 5.72 min Scan# 414  
Delta R.T. 0.00 min  
Lab File: BG029336.D  
Acq: 18 Oct 2017 16:26

Tgt Ion:112 Resp: 17638  
Ion Ratio Lower Upper  
112 100  
64 55.5 56.3 84.5#  
63 30.6 30.1 45.1



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: 4.445 ng

RT: 7.32 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG029336.D

Acq: 18 Oct 2017 16:26

Instrument :

BNA\_G

ClientSampleId :

WH-TWS-08DL

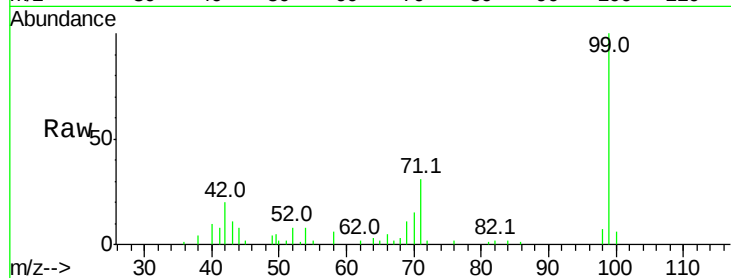
Tot Ion: 99 Resp: 24317

Ion Ratio Lower Upper

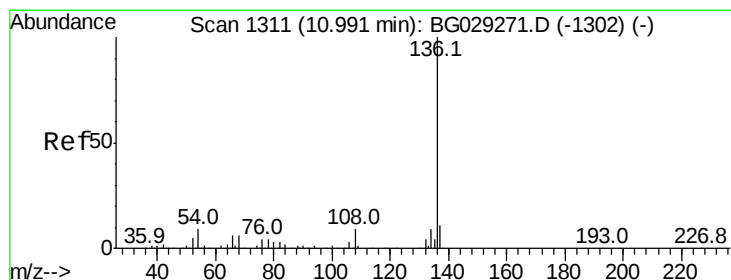
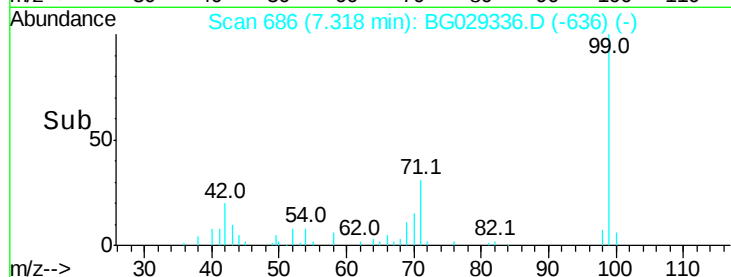
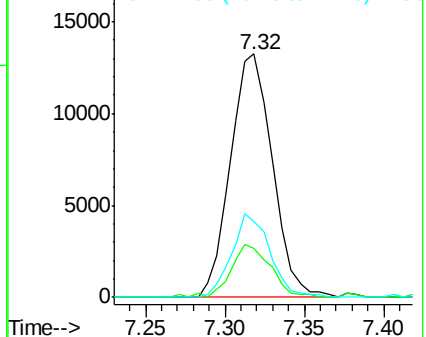
99 100

42 20.2 14.1 21.1

71 31.2 26.1 39.1



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: 10.98 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG029336.D

Acq: 18 Oct 2017 16:26

Tgt Ion: 136 Resp: 323698

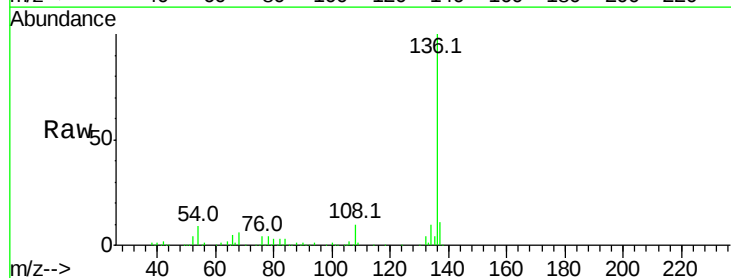
Ion Ratio Lower Upper

136 100

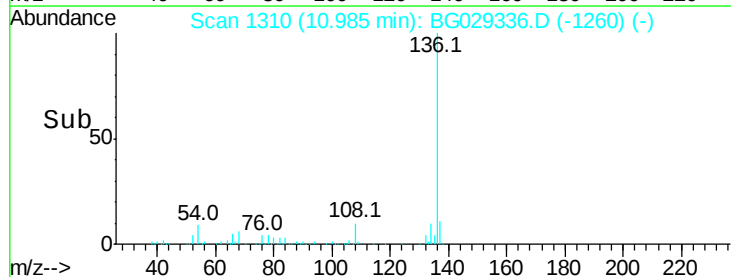
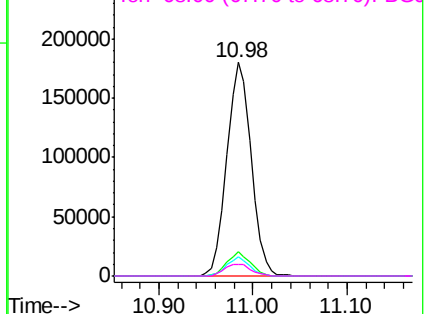
137 11.4 9.2 13.8

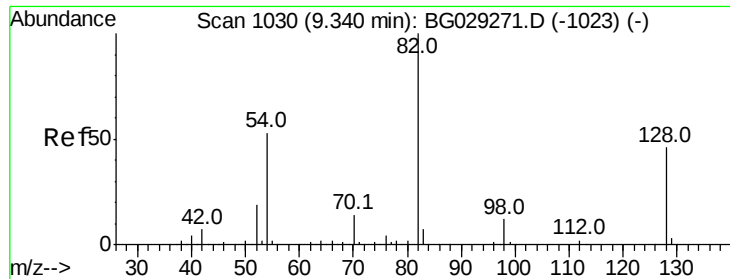
54 8.8 10.3 15.5#

68 5.6 4.5 6.7



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

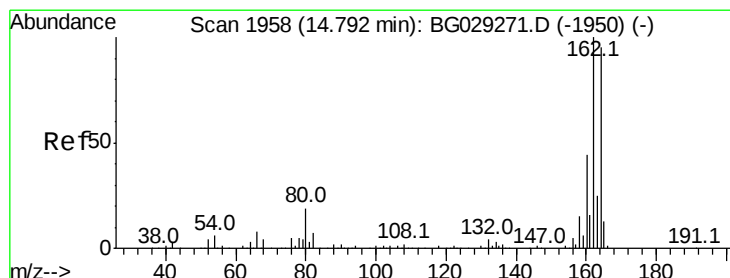
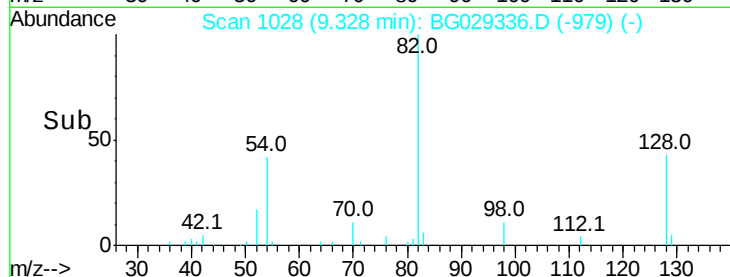
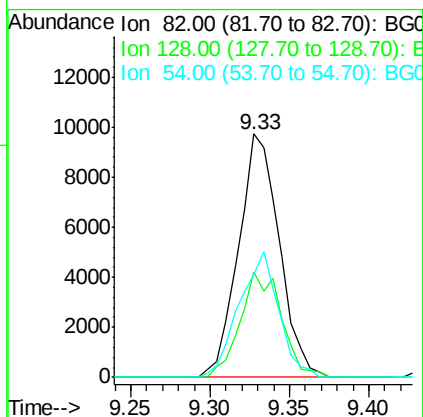
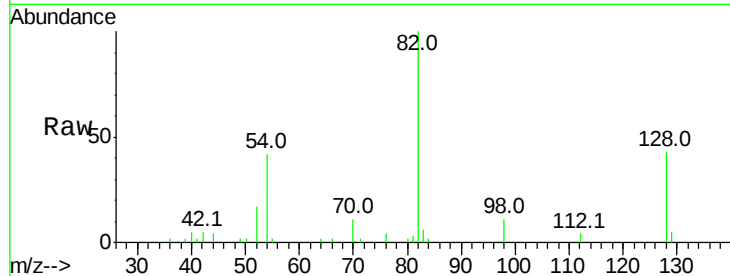




#23  
 Nitrobenzene-d5  
 Concen: 3.406 ng  
 RT: 9.33 min Scan# 1028  
 Delta R.T. -0.01 min  
 Lab File: BG029336.D  
 Acq: 18 Oct 2017 16:26

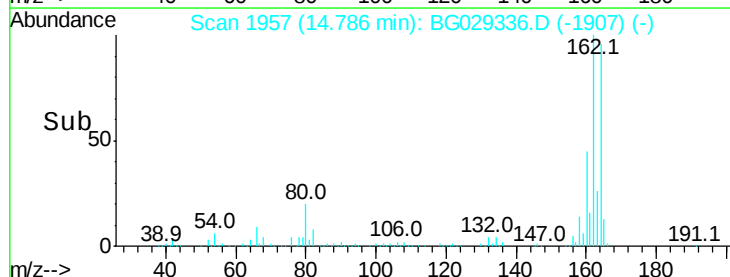
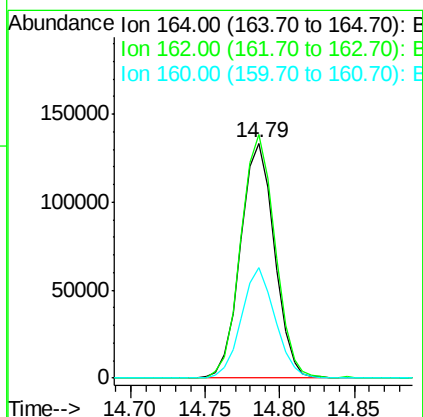
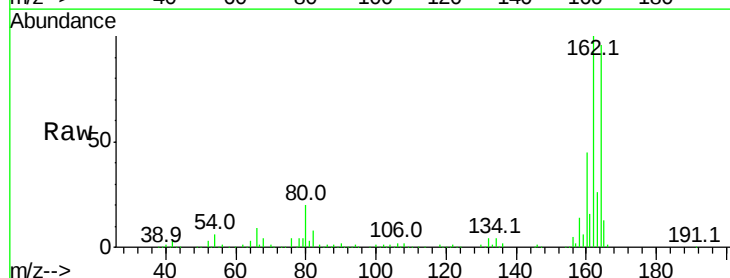
Instrument :  
 BNA\_G  
 ClientSampleId :  
 WH-TWS-08DL

Tot Ion: 82 Resp: 17351  
 Ion Ratio Lower Upper  
 82 100  
 128 43.3 29.7 44.5  
 54 42.2 43.1 64.7#



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.79 min Scan# 1957  
 Delta R.T. -0.01 min  
 Lab File: BG029336.D  
 Acq: 18 Oct 2017 16:26

Tgt Ion:164 Resp: 210435  
 Ion Ratio Lower Upper  
 164 100  
 162 103.7 78.8 118.2  
 160 46.8 35.4 53.0

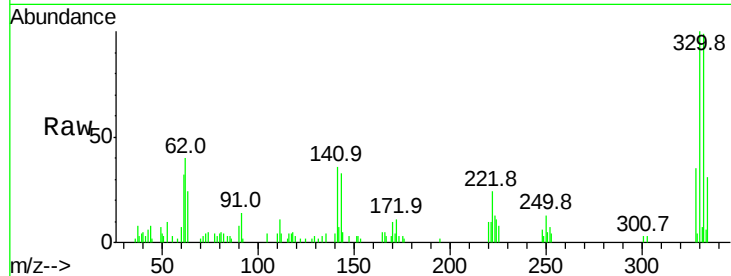




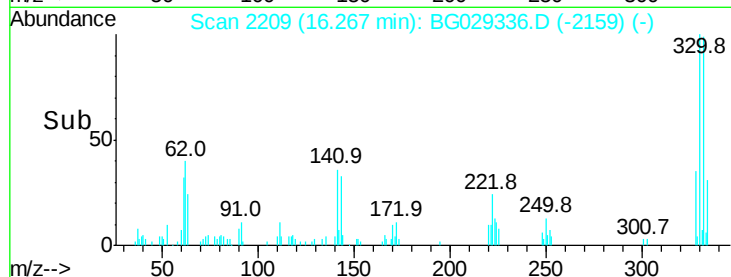
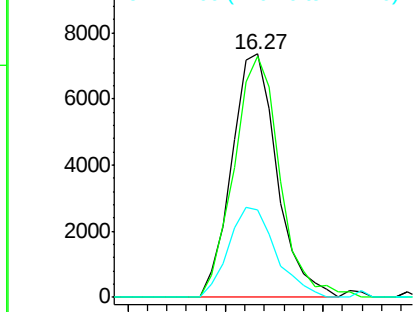
#41  
 2,4,6-Tribromophenol  
 Concen: 4.350 ng  
 RT: 16.27 min Scan# 2209  
 Delta R.T. -0.01 min  
 Lab File: BG029336.D  
 Acq: 18 Oct 2017 16:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WH-TWS-08DL

Tot Ion:330 Resp: 11818  
 Ion Ratio Lower Upper  
 330 100  
 332 100.5 77.0 115.6  
 141 38.5 25.2 37.8#

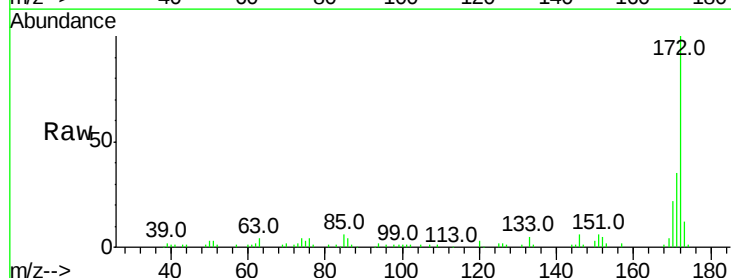


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

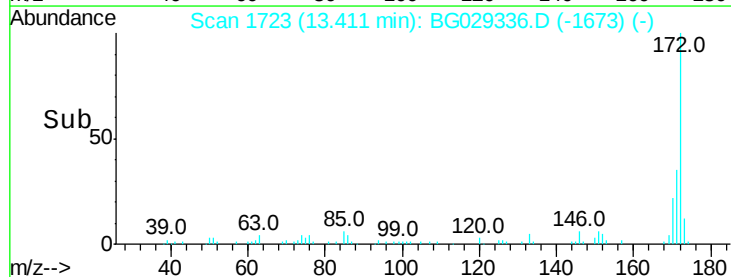
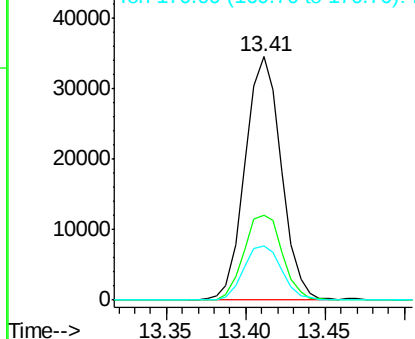


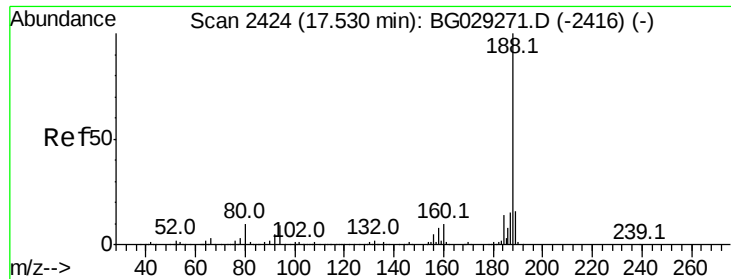
#44  
 2-Fluorobiphenyl  
 Concen: 3.821 ng  
 RT: 13.41 min Scan# 1723  
 Delta R.T. -0.01 min  
 Lab File: BG029336.D  
 Acq: 18 Oct 2017 16:26

Tgt Ion:172 Resp: 54822  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 30.0 45.0  
 170 22.0 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

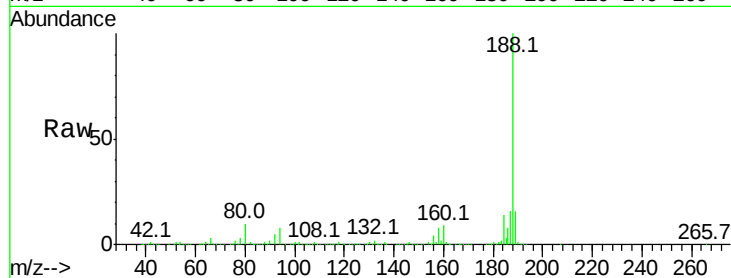




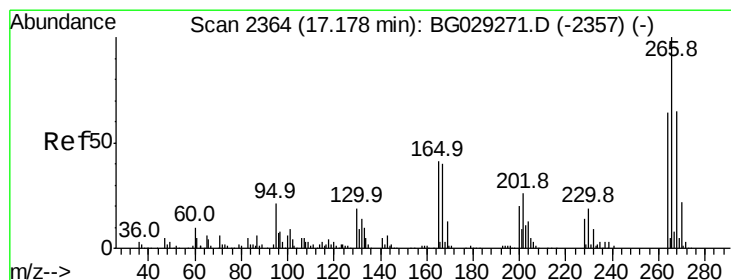
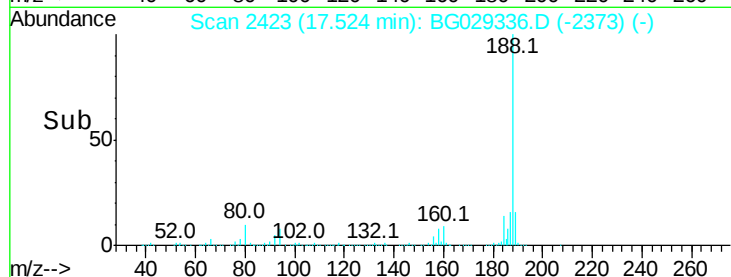
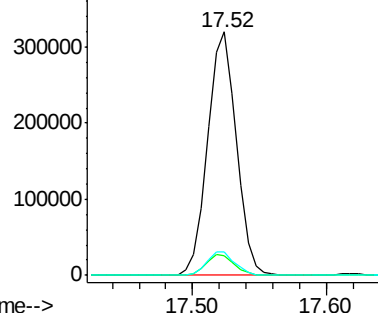
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.52 min Scan# 2423  
 Delta R.T. -0.01 min  
 Lab File: BG029336.D  
 Acq: 18 Oct 2017 16:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WH-TWS-08DL

Tot Ion:188 Resp: 476472  
 Ion Ratio Lower Upper  
 188 100  
 94 8.1 6.9 10.3  
 80 9.7 7.7 11.5

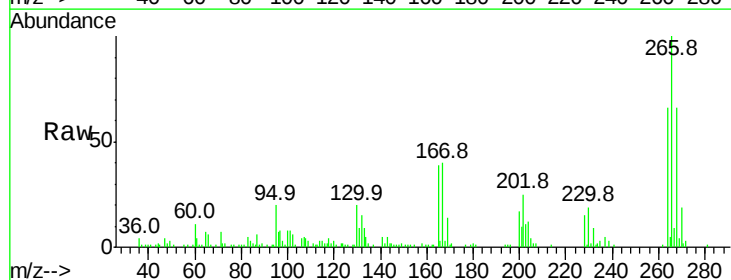


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BGC  
 Ion 80.00 (79.70 to 80.70): BGC

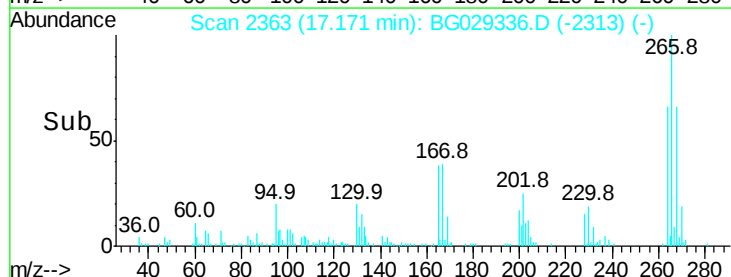
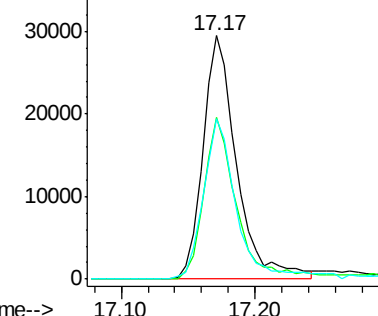


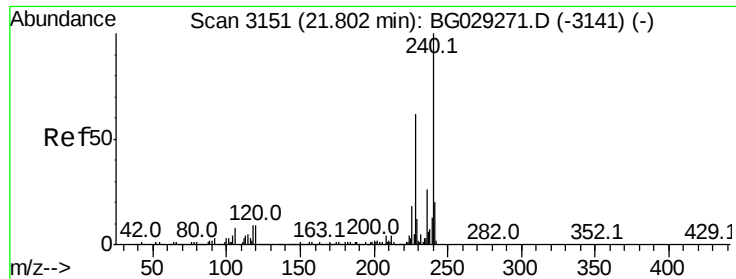
#69  
 Pentachlorophenol  
 Concen: 14.523 ng  
 RT: 17.17 min Scan# 2363  
 Delta R.T. -0.01 min  
 Lab File: BG029336.D  
 Acq: 18 Oct 2017 16:26

Tgt Ion:266 Resp: 51668  
 Ion Ratio Lower Upper  
 266 100  
 268 66.3 51.1 76.7  
 264 66.1 49.6 74.4



Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.79 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG029336.D

Acq: 18 Oct 2017 16:26

Instrument :

BNA\_G

ClientSampleId :

WH-TWS-08DL

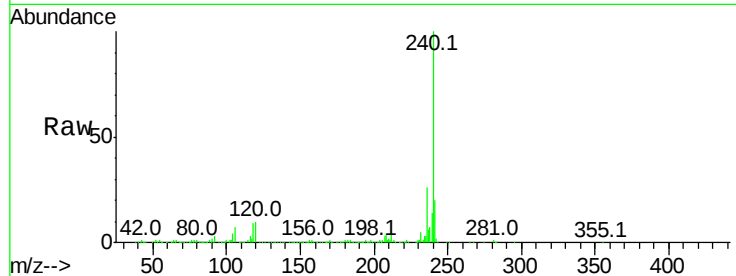
Tot Ion:240 Resp: 507362

Ion Ratio Lower Upper

240 100

120 9.9 6.8 10.2

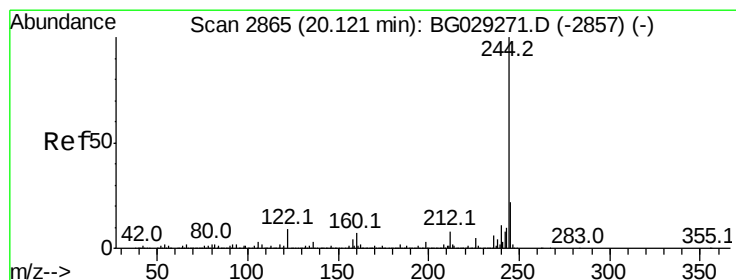
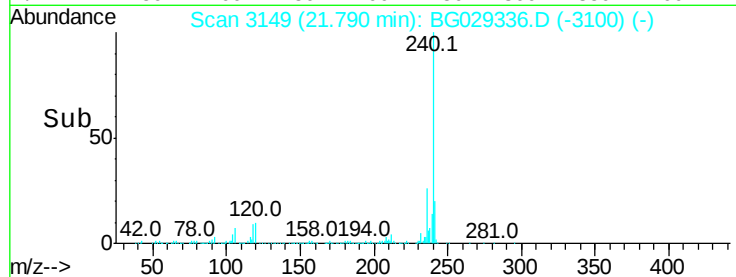
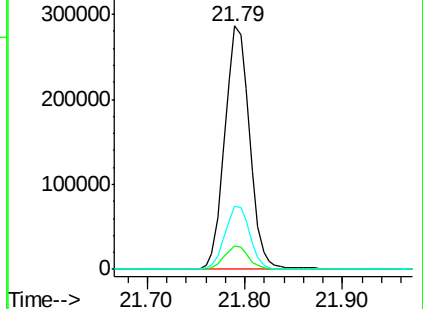
236 25.9 20.9 31.3



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: 3.699 ng

RT: 20.11 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG029336.D

Acq: 18 Oct 2017 16:26

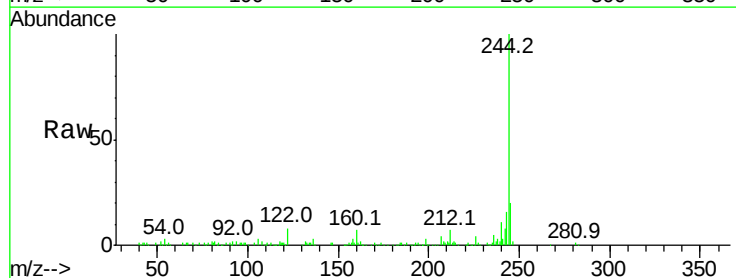
Tgt Ion:244 Resp: 82489

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

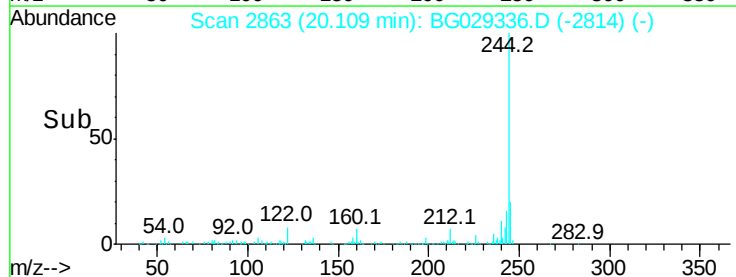
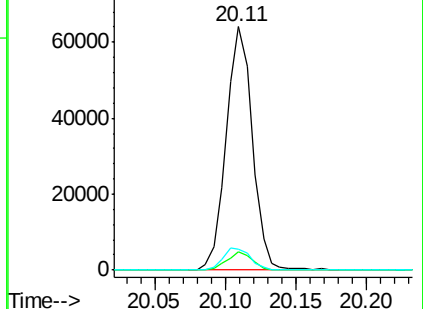
122 8.3 7.0 10.4

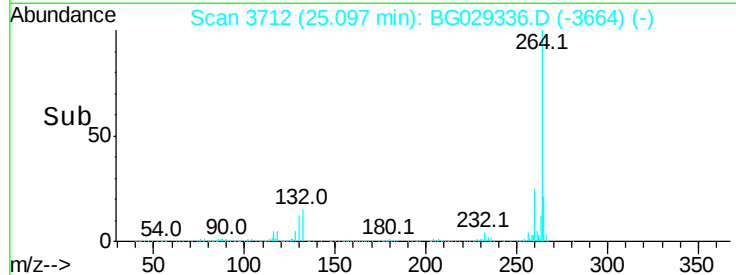
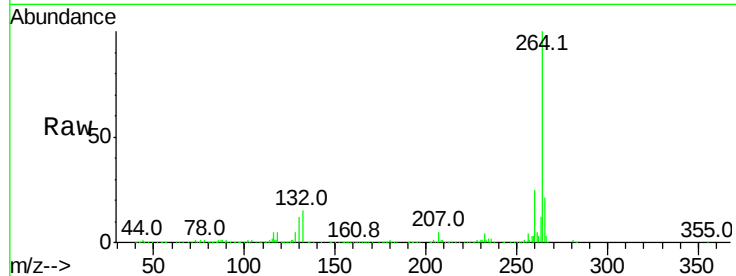
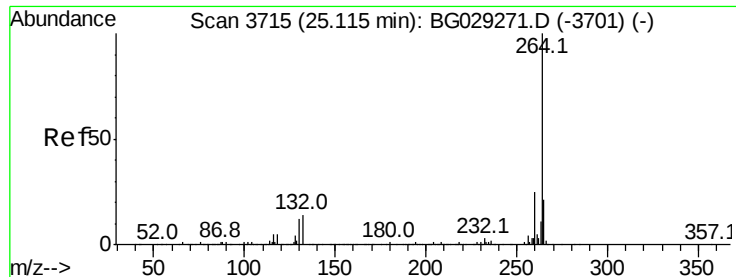


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.10 min Scan# 3712  
Delta R.T. -0.02 min  
Lab File: BG029336.D  
Acq: 18 Oct 2017 16:26

Instrument :  
BNA\_G  
ClientSampleId :  
WH-TWS-08DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.9  | 17.4  | 26.0  |
| 265     | 21.0  | 17.7  | 26.5  |

