

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012518\  
 Data File : BG032307.D  
 Acq On : 25 Jan 2018 23:40  
 Operator : SJ/JU  
 Sample : J1270-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GROUNDWATER

Quant Time: Jan 26 02:32:47 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 24 14:02:41 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.72  | 152  | 29422    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.60 | 136  | 126223   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.36 | 164  | 102884   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.09 | 188  | 290427   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.41 | 240  | 352638   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 26.09 | 264  | 373874   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.16  | 112  | 98934    | 61.50  | ng    | 0.00     |
| 7) Phenol-d6                | 7.83  | 99   | 80038    | 39.50  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.92  | 82   | 196939   | 105.56 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.83 | 330  | 276963   | 162.68 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.98 | 172  | 763885   | 92.06  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.63 | 244  | 1610788  | 100.86 | ng    | 0.00     |

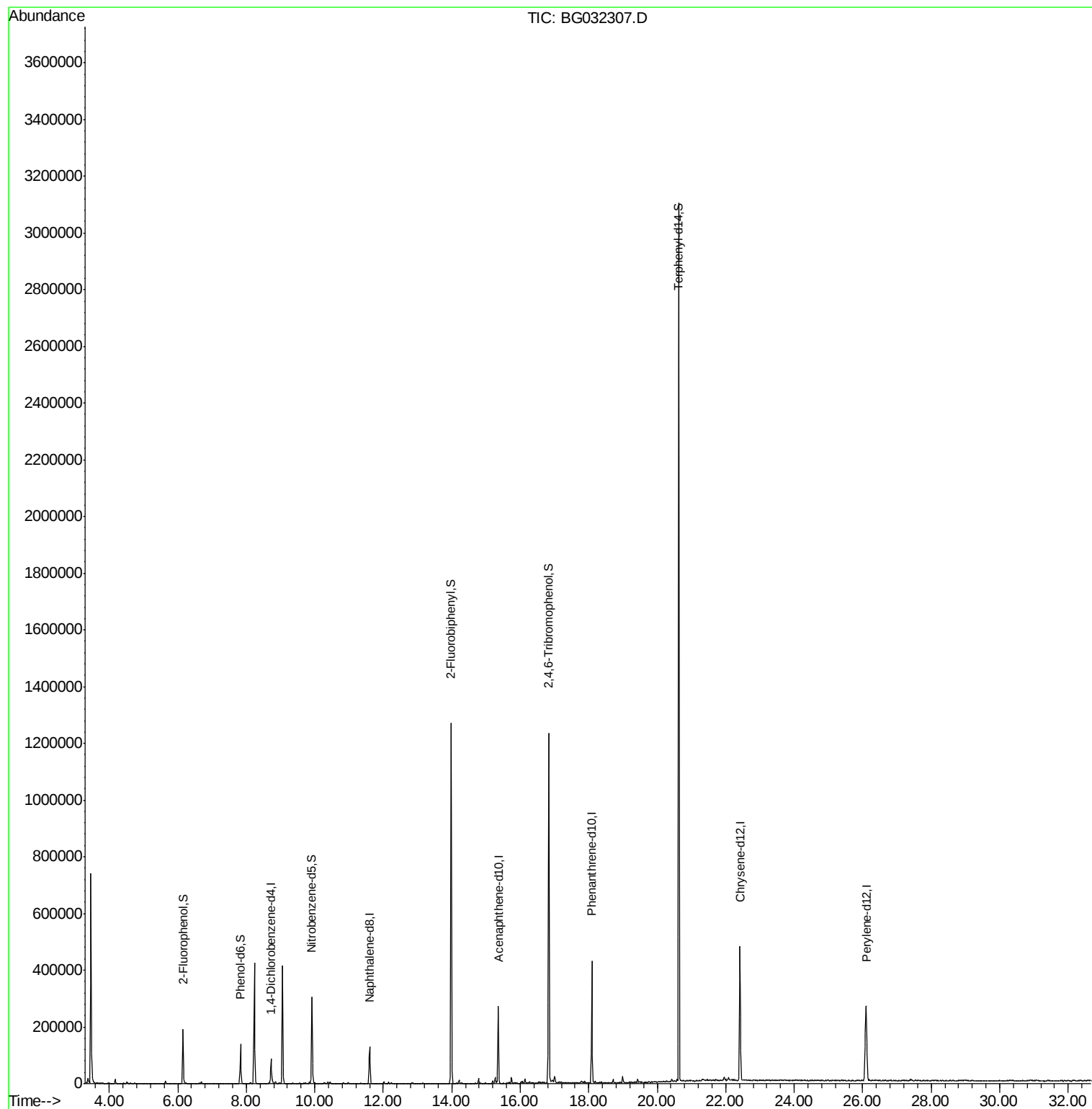
Target Compounds Qvalue

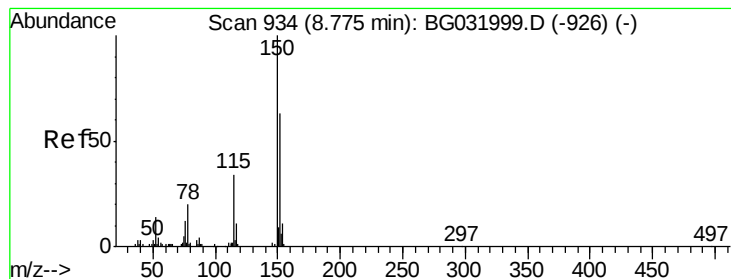
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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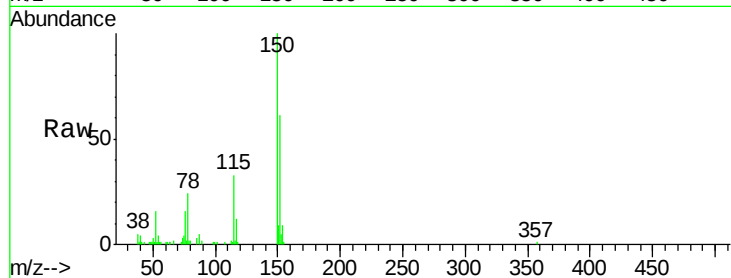


#1

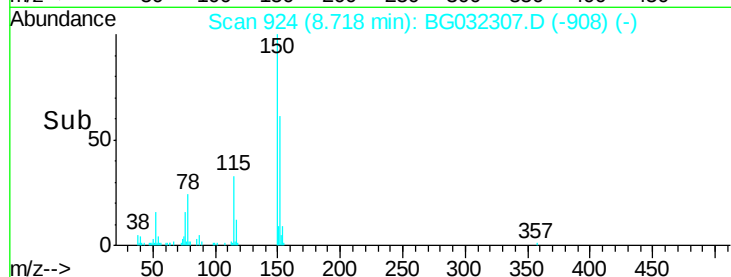
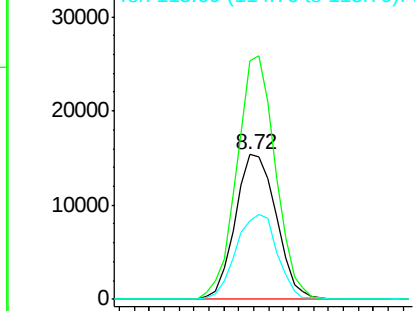
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.72 min Scan# 924  
Delta R.T. -0.01 min  
Lab File: BG032307.D  
Acq: 25 Jan 2018 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
GROUNDWATER

Tot Ion:152 Resp: 29422  
Ion Ratio Lower Upper  
152 100  
150 164.1 126.6 189.8  
115 53.7 53.0 79.4



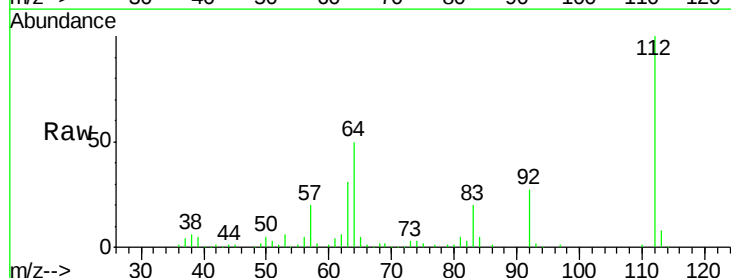
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



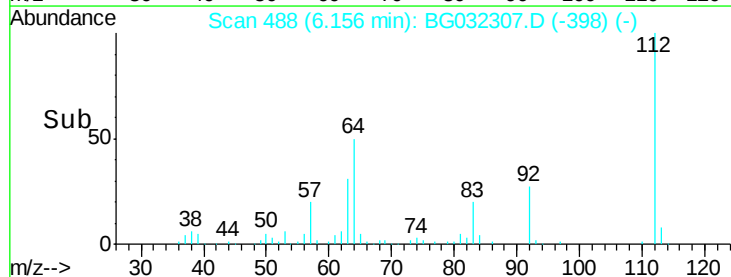
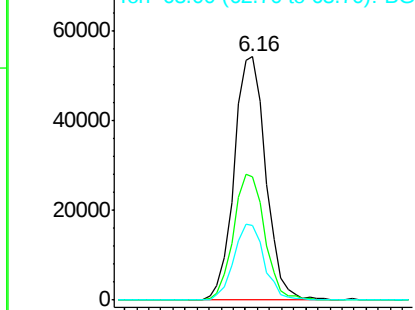
#5

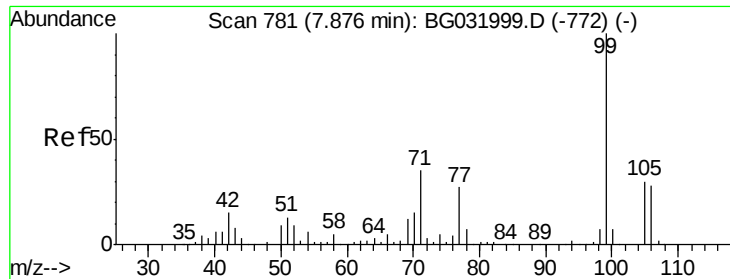
2-Fluorophenol  
Concen: 61.499 ng  
RT: 6.16 min Scan# 488  
Delta R.T. 0.00 min  
Lab File: BG032307.D  
Acq: 25 Jan 2018 23:40

Tgt Ion:112 Resp: 98934  
Ion Ratio Lower Upper  
112 100  
64 50.5 56.3 84.5#  
63 30.7 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: 39.504 ng

RT: 7.83 min Scan# 773

Delta R.T. -0.01 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

Instrument :

BNA\_G

ClientSampleId :

GROUNDWATER

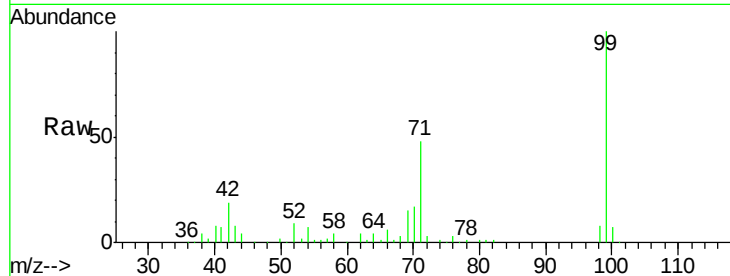
Tot Ion: 99 Resp: 80038

Ion Ratio Lower Upper

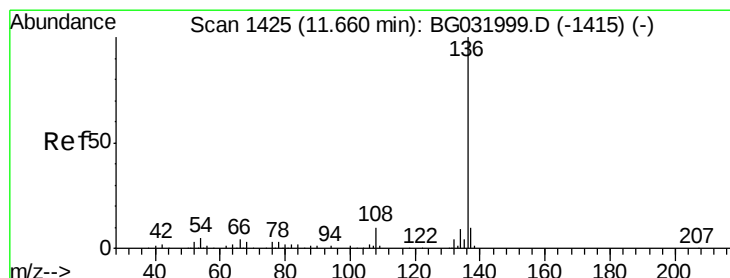
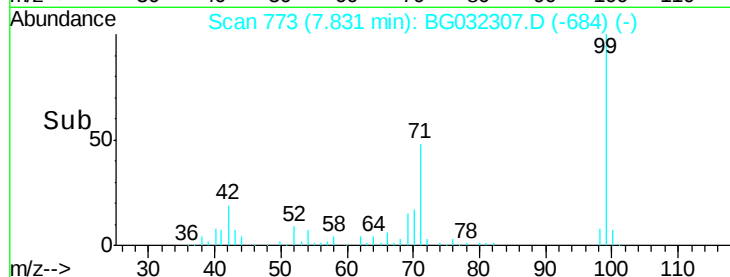
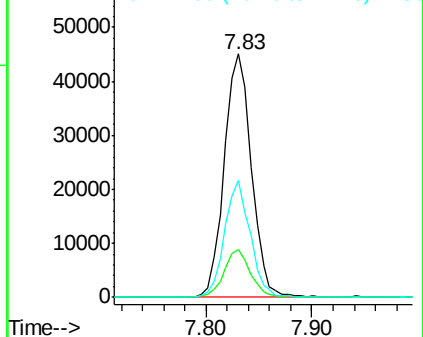
99 100

42 19.5 14.1 21.1

71 48.0 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: 11.60 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

Tgt Ion: 136 Resp: 126223

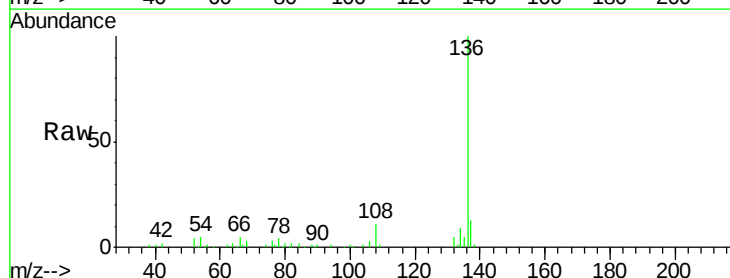
Ion Ratio Lower Upper

136 100

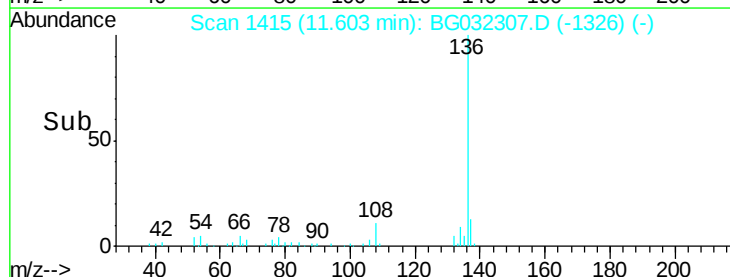
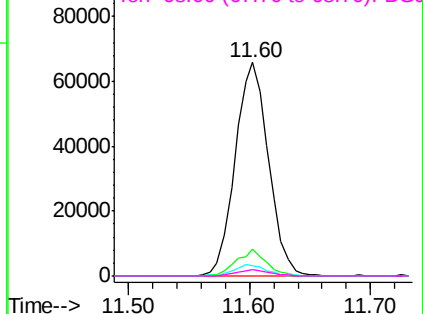
137 12.6 9.2 13.8

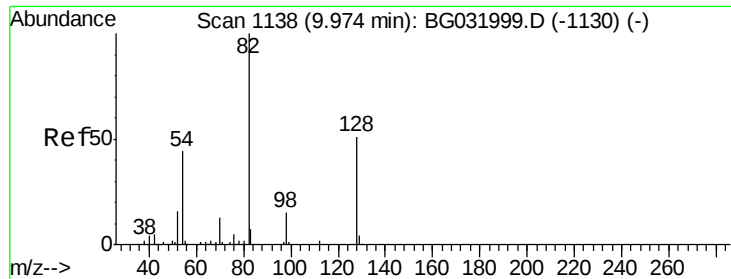
54 4.6 10.3 15.5#

68 3.2 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: 105.557 ng

RT: 9.92 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

Instrument :

BNA\_G

ClientSampleId :

GROUNDWATER

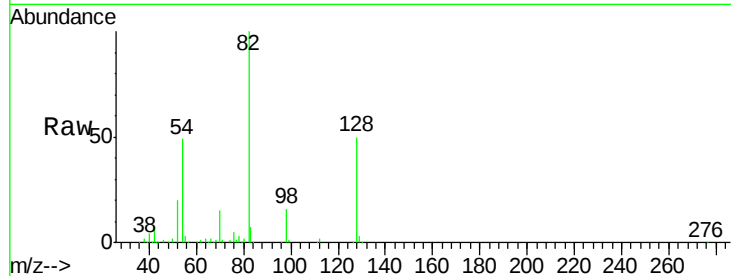
Tot Ion: 82 Resp: 196939

Ion Ratio Lower Upper

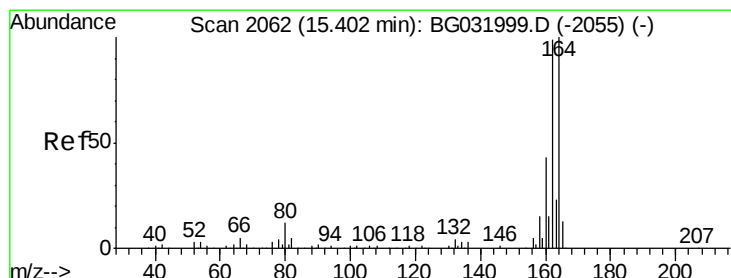
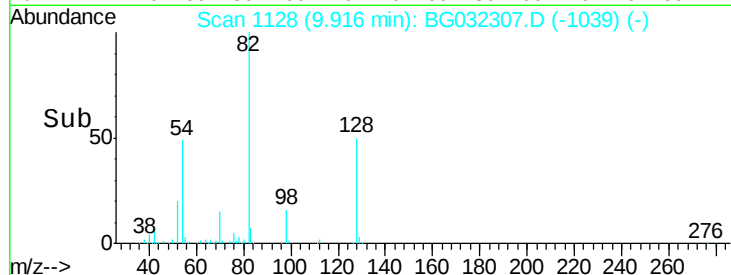
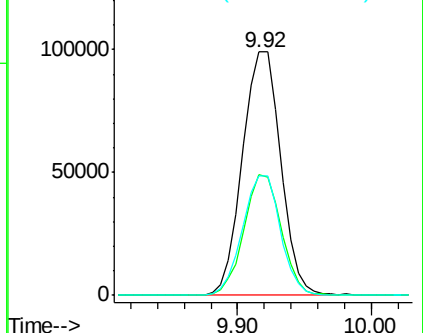
82 100

128 49.7 29.7 44.5#

54 49.3 43.1 64.7



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

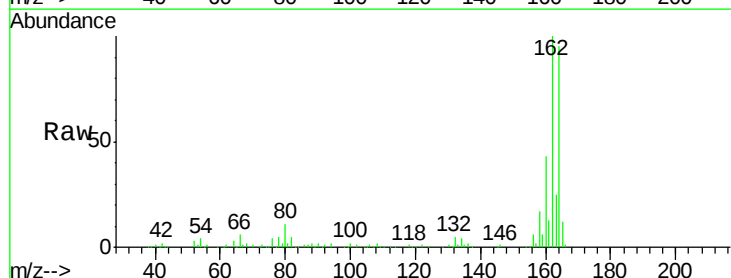
Tgt Ion:164 Resp: 102884

Ion Ratio Lower Upper

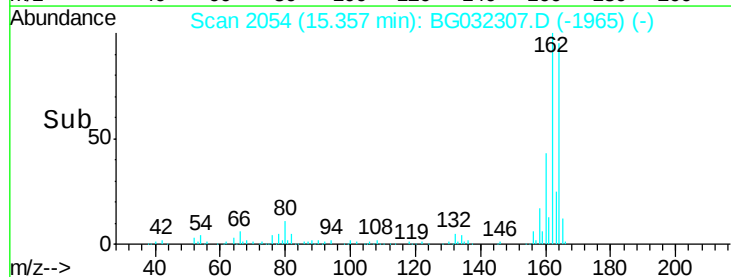
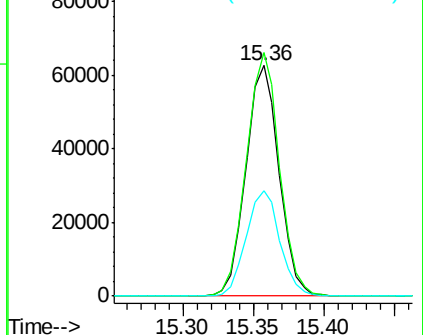
164 100

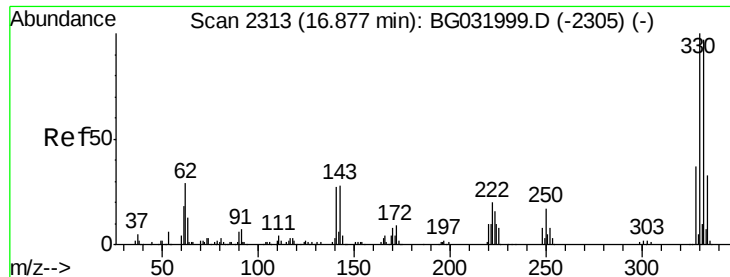
162 105.6 78.8 118.2

160 45.8 35.4 53.0



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

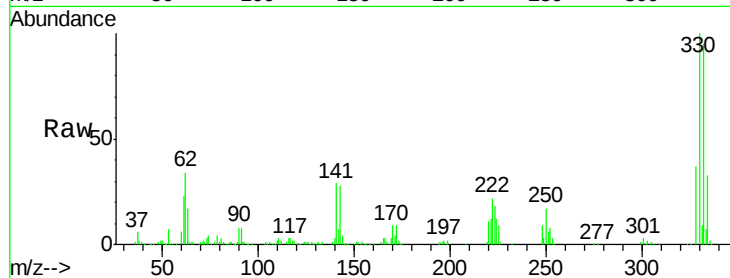




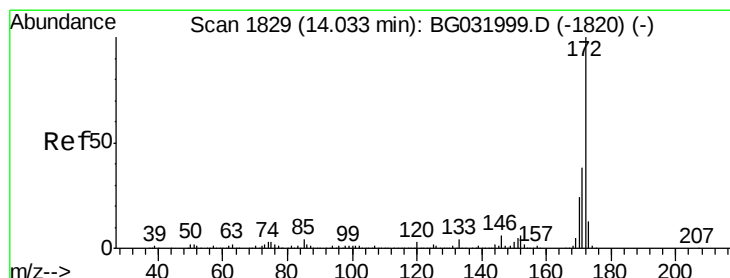
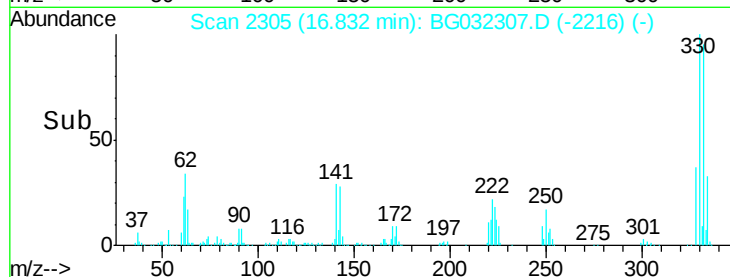
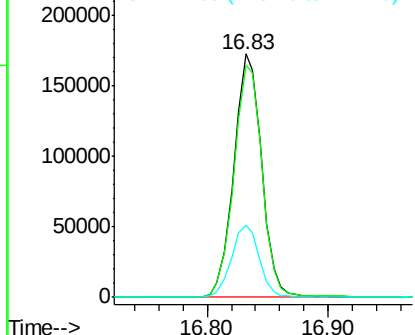
#41  
 2,4,6-Tribromophenol  
 Concen: 162.681 ng  
 RT: 16.83 min Scan# 2305  
 Delta R.T. -0.01 min  
 Lab File: BG032307.D  
 Acq: 25 Jan 2018 23:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GROUNDWATER

Tot Ion:330 Resp: 276963  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 77.0 115.6  
 141 29.8 25.2 37.8

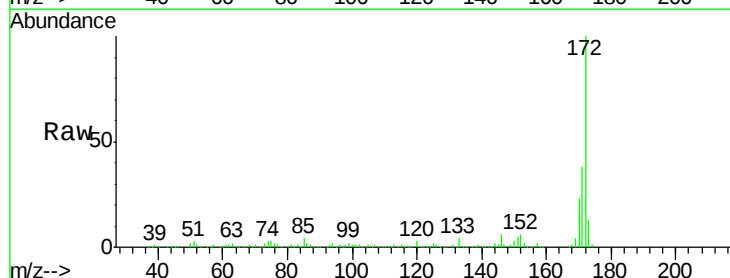


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

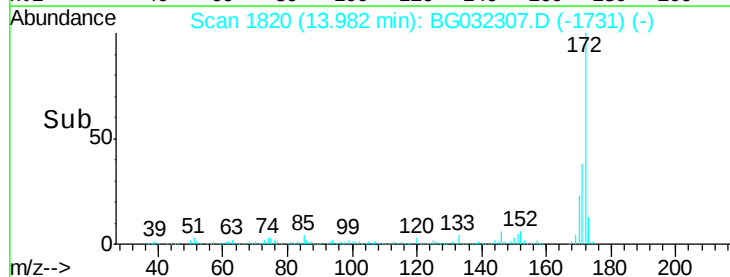
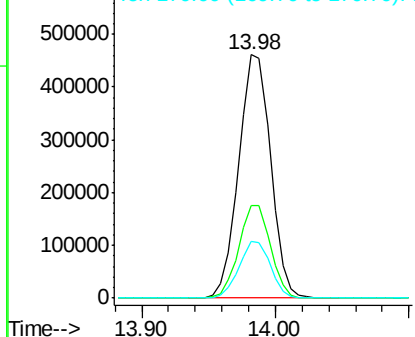


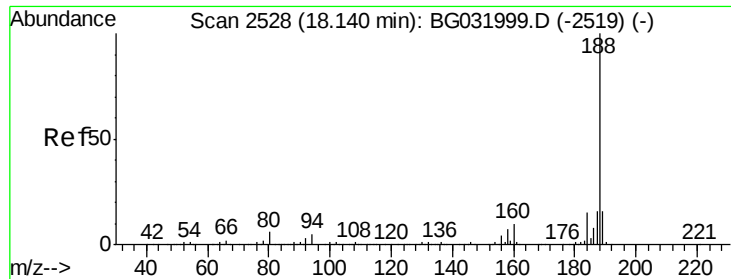
#44  
 2-Fluorobiphenyl  
 Concen: 92.063 ng  
 RT: 13.98 min Scan# 1820  
 Delta R.T. -0.01 min  
 Lab File: BG032307.D  
 Acq: 25 Jan 2018 23:40

Tgt Ion:172 Resp: 763885  
 Ion Ratio Lower Upper  
 172 100  
 171 37.8 30.0 45.0  
 170 23.4 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

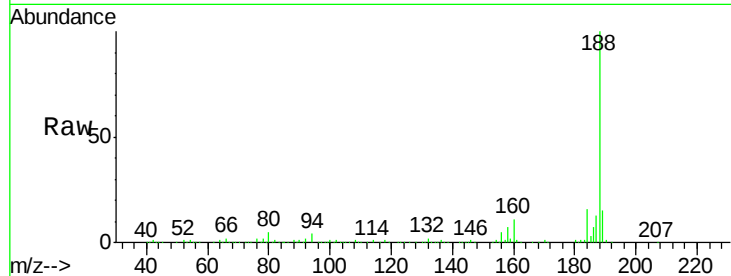




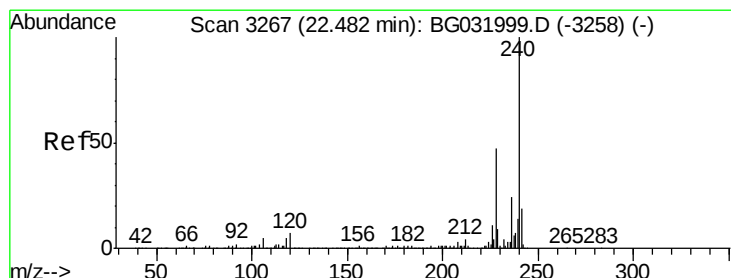
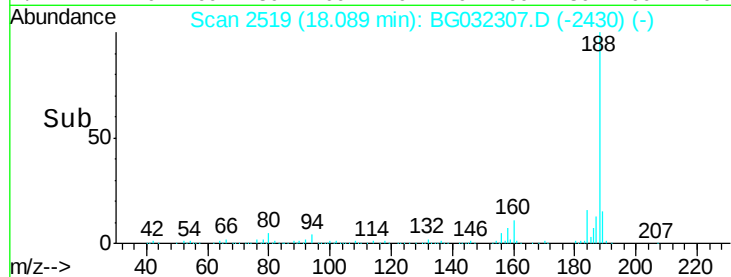
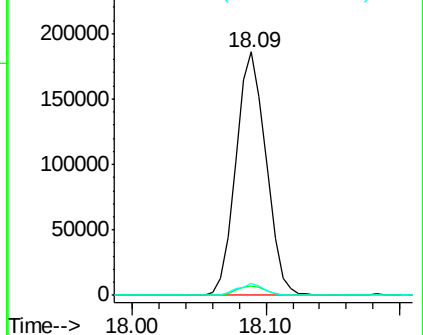
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.09 min Scan# 2519  
Delta R.T. -0.01 min  
Lab File: BG032307.D  
Acq: 25 Jan 2018 23:40

Instrument :  
BNA\_G  
ClientSampleId :  
GROUNDWATER

Tot Ion:188 Resp: 290427  
Ion Ratio Lower Upper  
188 100  
94 3.9 6.9 10.3#  
80 4.9 7.7 11.5#

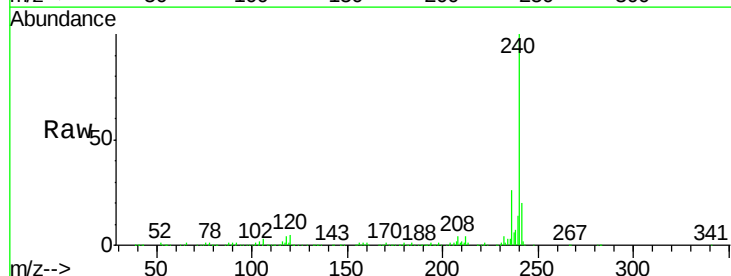


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

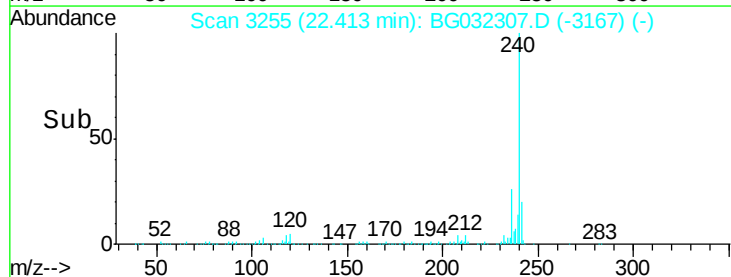
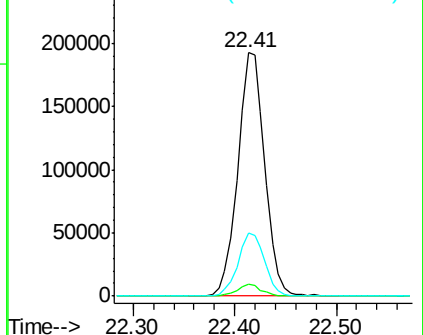


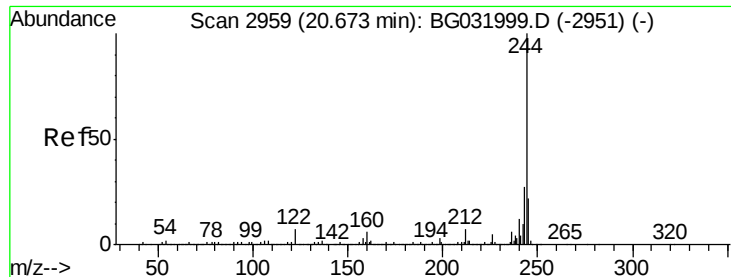
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.41 min Scan# 3255  
Delta R.T. -0.01 min  
Lab File: BG032307.D  
Acq: 25 Jan 2018 23:40

Tgt Ion:240 Resp: 352638  
Ion Ratio Lower Upper  
240 100  
120 4.7 6.8 10.2#  
236 26.2 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: 100.860 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

Instrument :

BNA\_G

ClientSampleId :

GROUNDWATER

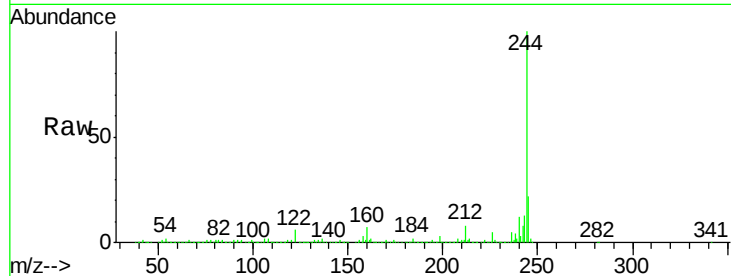
Tot Ion:244 Resp: 1610788

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

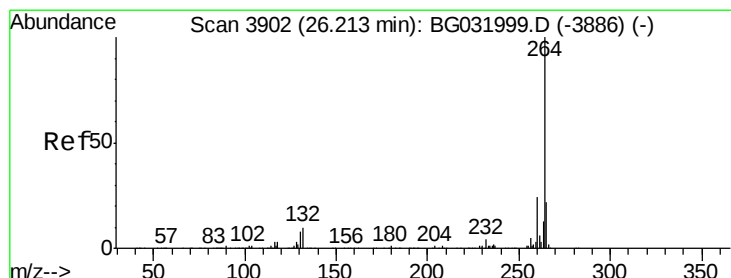
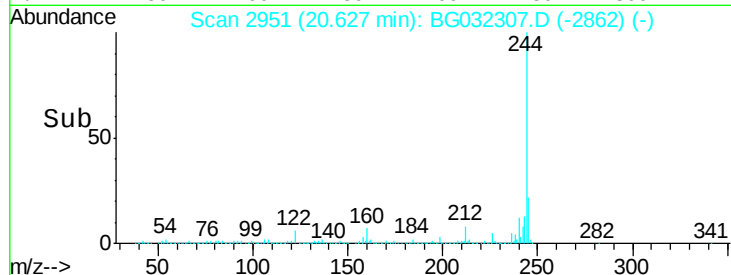
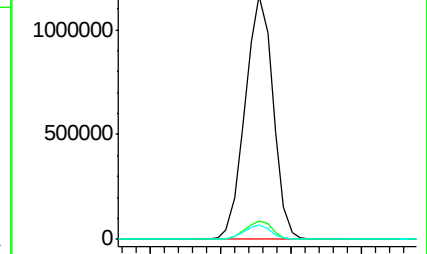
122 5.8 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.09 min Scan# 3881

Delta R.T. -0.02 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

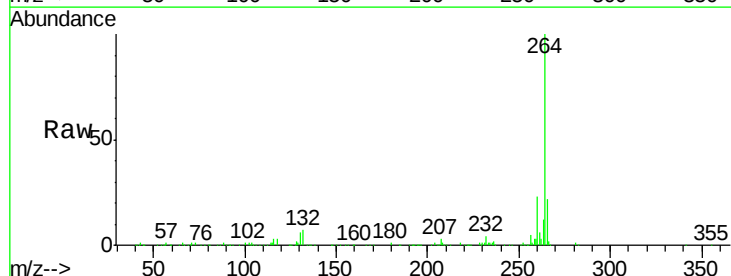
Tgt Ion:264 Resp: 373874

Ion Ratio Lower Upper

264 100

260 23.3 17.4 26.0

265 21.6 17.7 26.5



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

