

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012018\  
 Data File : BG032200.D  
 Acq On : 21 Jan 2018 4:42  
 Operator : SJ/JU  
 Sample : J1210-09  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 R-4220

Quant Time: Jan 22 06:24:45 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 18 10:13:16 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.75  | 152  | 47378    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.62 | 136  | 179998   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.37 | 164  | 114457   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.11 | 188  | 301059   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.44 | 240  | 407561   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.14 | 264  | 435769   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.18  | 112  | 333617   | 128.79 | ng    | 0.00     |
| 7) Phenol-d6                | 7.85  | 99   | 367317   | 112.59 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.94  | 82   | 273462   | 102.78 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.85 | 330  | 273788   | 144.56 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.00 | 172  | 903471   | 97.88  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.64 | 244  | 1788462  | 96.89  | ng    | 0.00     |

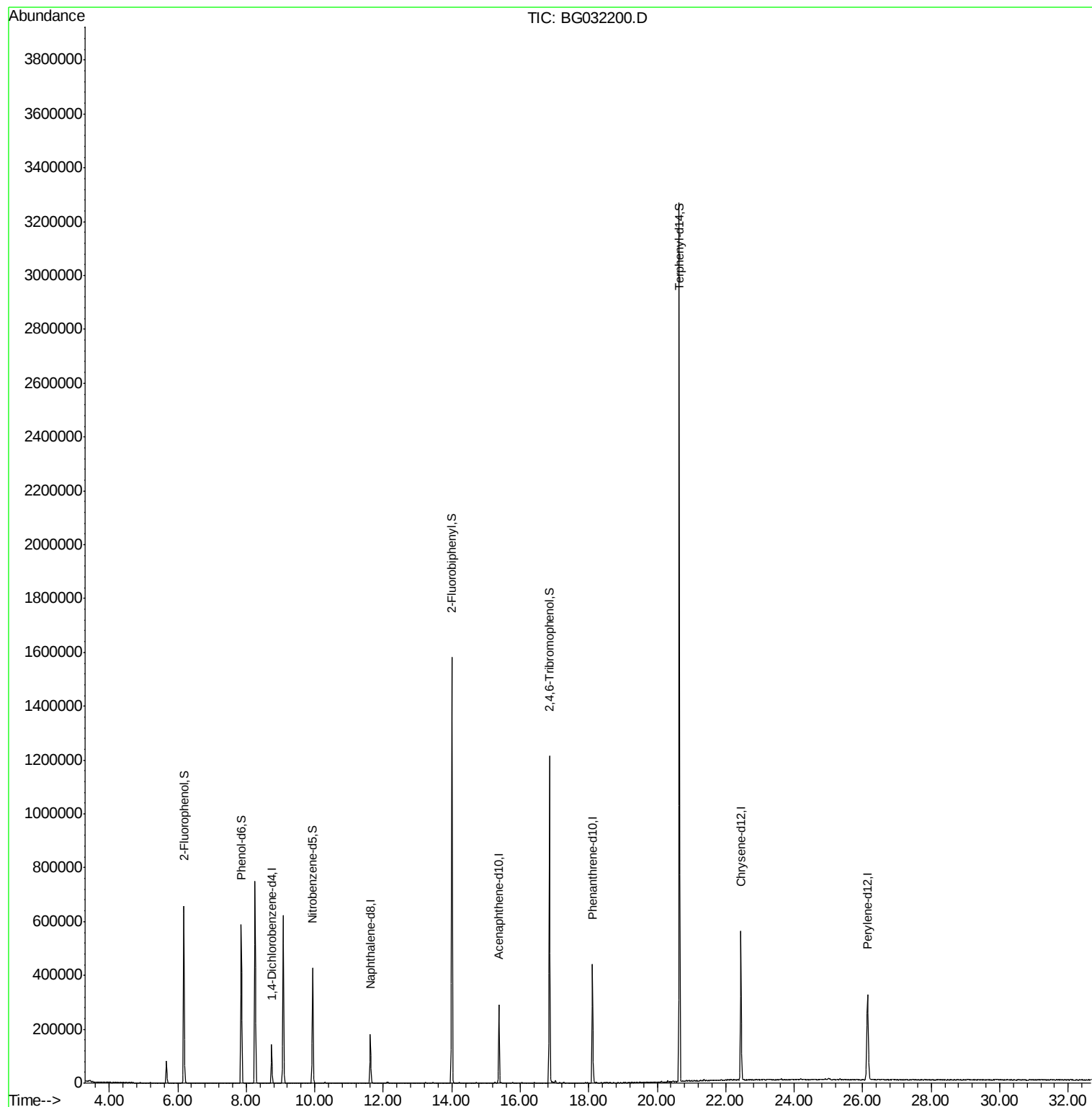
Target Compounds Qvalue

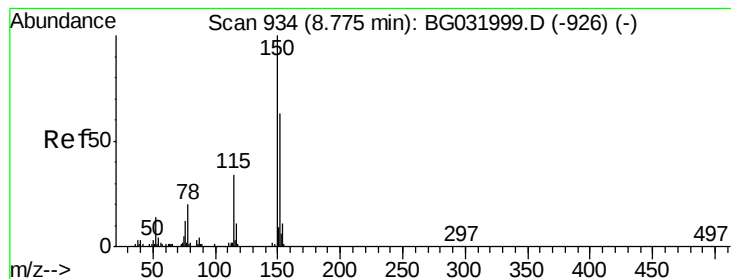
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.75 min Scan# 929

Delta R.T. 0.00 min

Lab File: BG032200.D

Acq: 21 Jan 2018 4:42

Instrument :

BNA\_G

ClientSampled :

R-4220

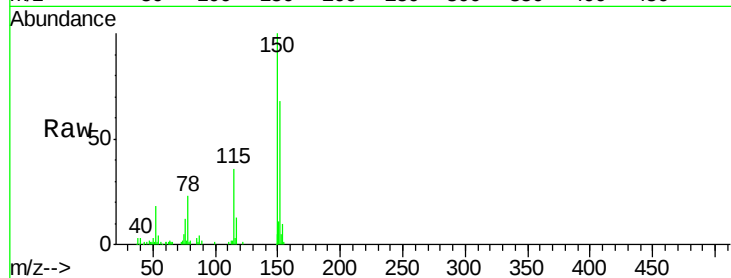
Tot Ion:152 Resp: 47378

Ion Ratio Lower Upper

152 100

150 147.4 126.6 189.8

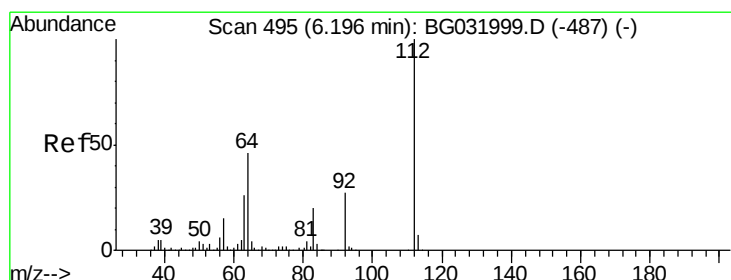
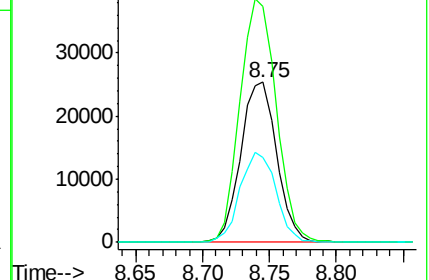
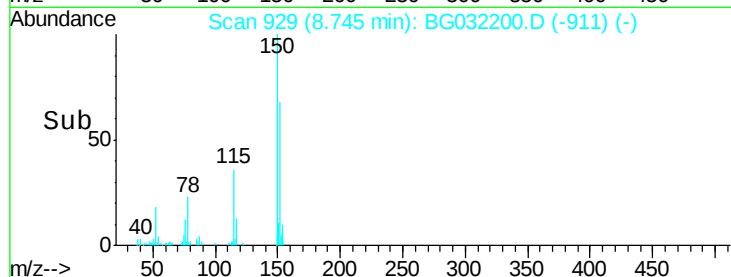
115 53.4 53.0 79.4



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: 128.786 ng

RT: 6.18 min Scan# 492

Delta R.T. 0.01 min

Lab File: BG032200.D

Acq: 21 Jan 2018 4:42

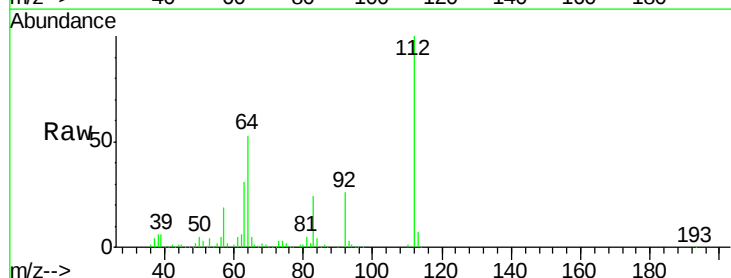
Tgt Ion:112 Resp: 333617

Ion Ratio Lower Upper

112 100

64 53.3 56.3 84.5#

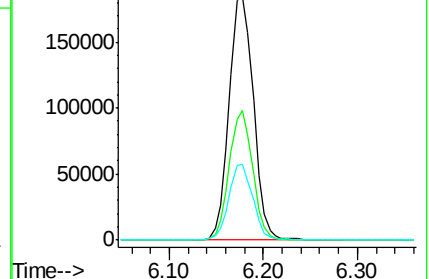
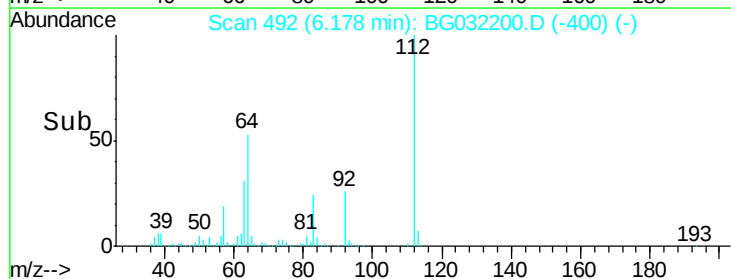
63 31.0 30.1 45.1

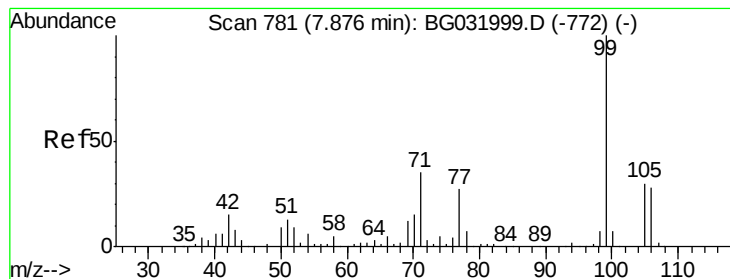


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 112.586 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032200.D

Acq: 21 Jan 2018 4:42

Instrument :

BNA\_G

ClientSampled :

R-4220

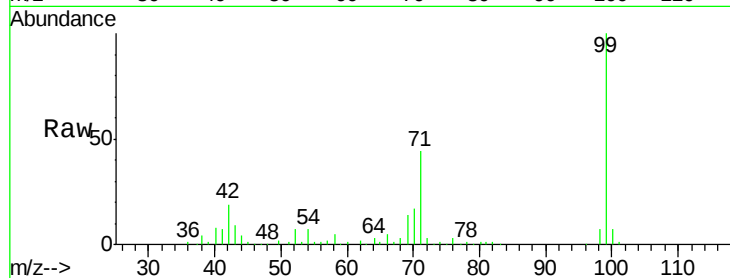
Tot Ion: 99 Resp: 367317

Ion Ratio Lower Upper

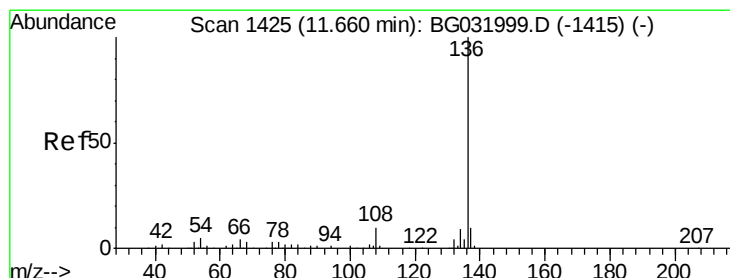
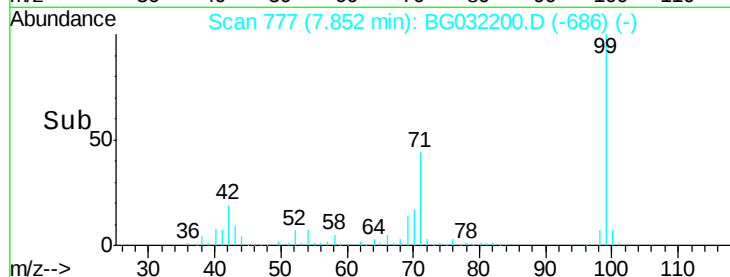
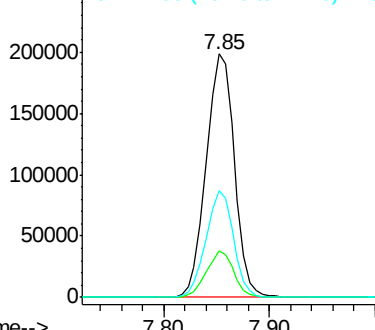
99 100

42 18.8 14.1 21.1

71 44.0 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: 11.62 min Scan# 1419

Delta R.T. -0.00 min

Lab File: BG032200.D

Acq: 21 Jan 2018 4:42

Tgt Ion: 136 Resp: 179998

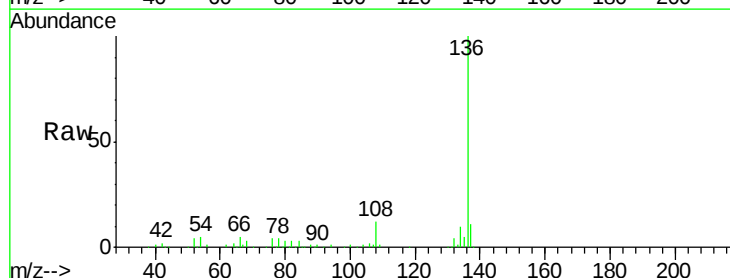
Ion Ratio Lower Upper

136 100

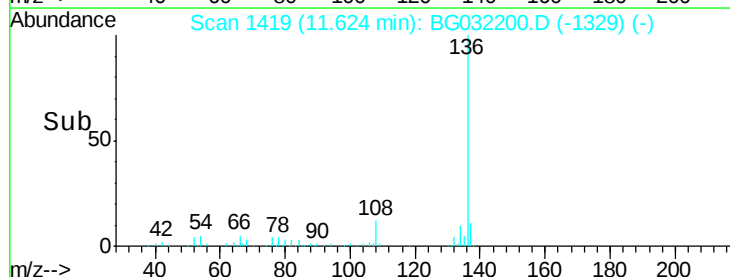
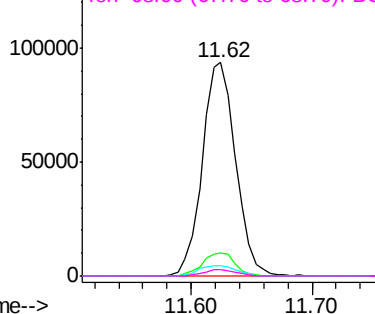
137 10.7 9.2 13.8

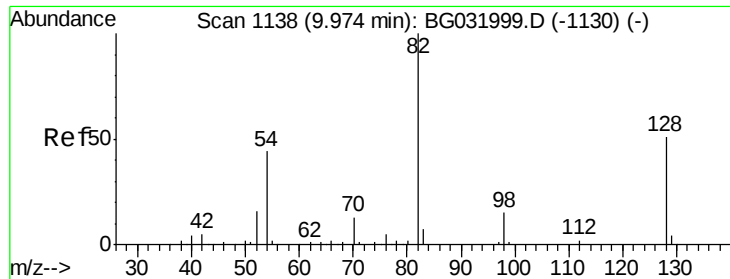
54 5.0 10.3 15.5#

68 2.8 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

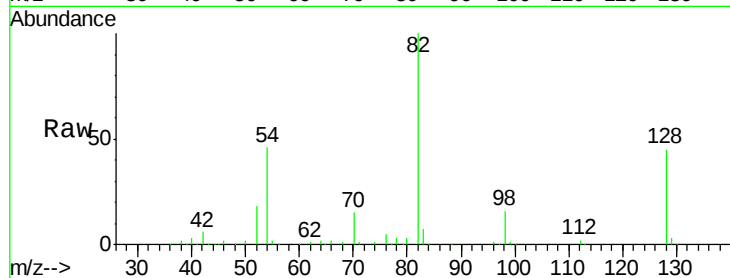




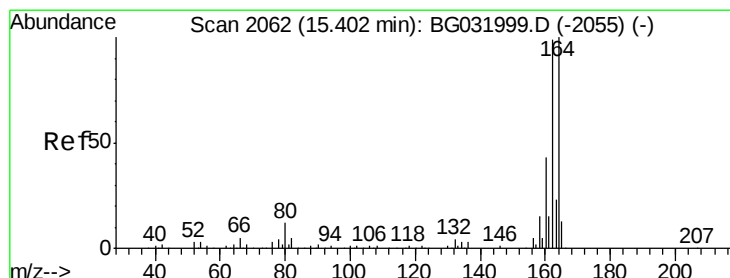
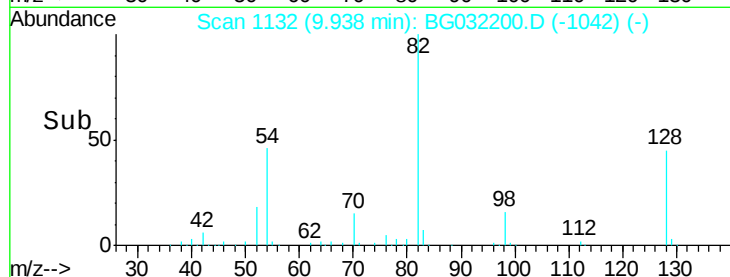
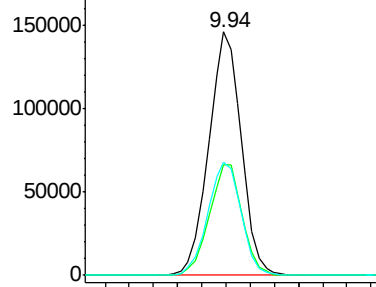
#23  
Nitrobenzene-d5  
Concen: 102.784 ng  
RT: 9.94 min Scan# 1132  
Delta R.T. -0.00 min  
Lab File: BG032200.D  
Acq: 21 Jan 2018 4:42

Instrument :  
BNA\_G  
ClientSampled :  
R-4220

Tot Ion: 82 Resp: 273462  
Ion Ratio Lower Upper  
82 100  
128 45.3 29.7 44.5#  
54 46.4 43.1 64.7

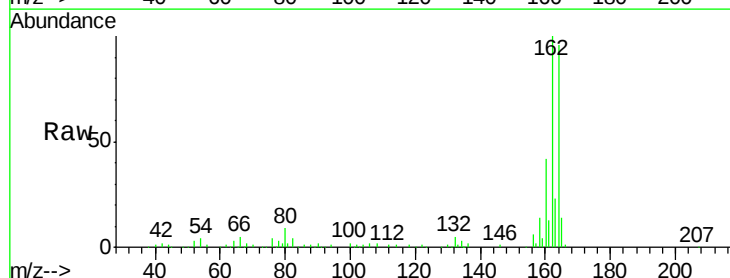


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

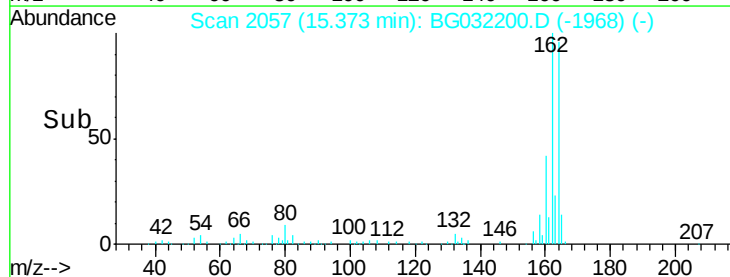
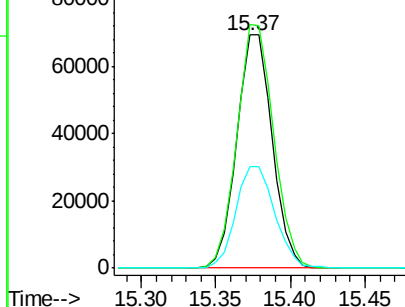


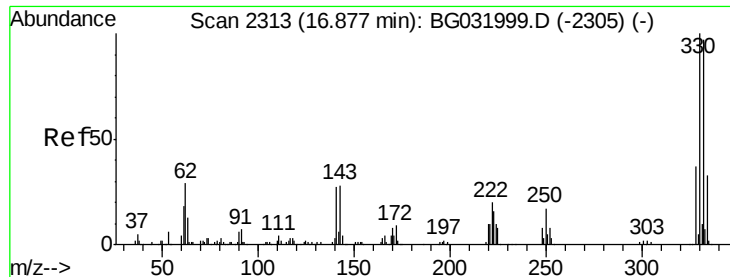
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.37 min Scan# 2057  
Delta R.T. -0.01 min  
Lab File: BG032200.D  
Acq: 21 Jan 2018 4:42

Tgt Ion:164 Resp: 114457  
Ion Ratio Lower Upper  
164 100  
162 104.4 78.8 118.2  
160 43.6 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

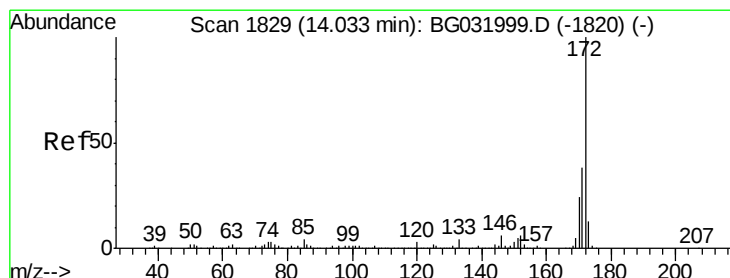
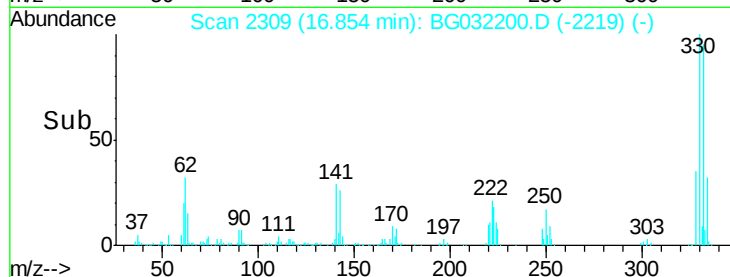
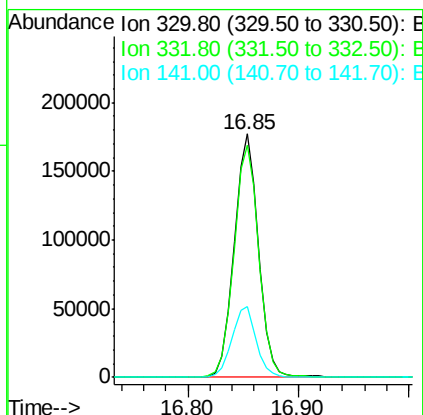
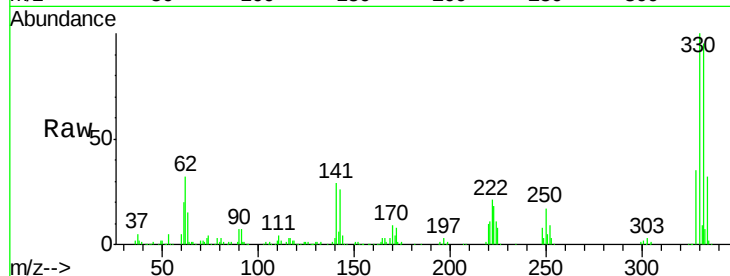




#41  
 2,4,6-Tribromophenol  
 Concen: 144.556 ng  
 RT: 16.85 min Scan# 2309  
 Delta R.T. -0.00 min  
 Lab File: BG032200.D  
 Acq: 21 Jan 2018 4:42

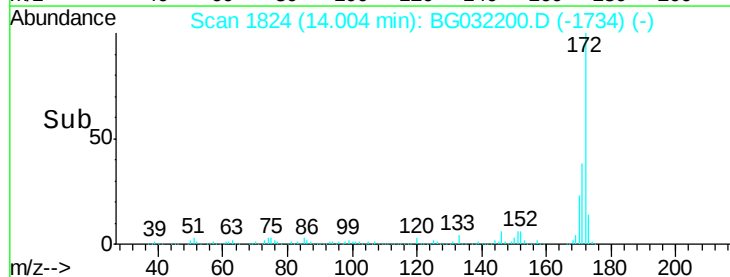
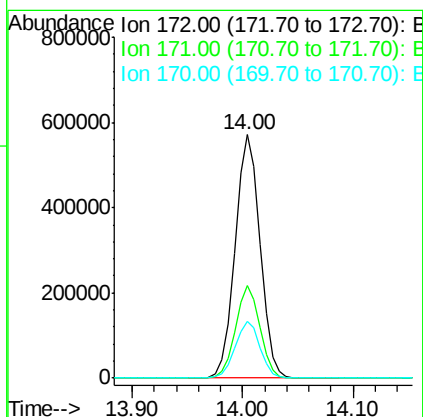
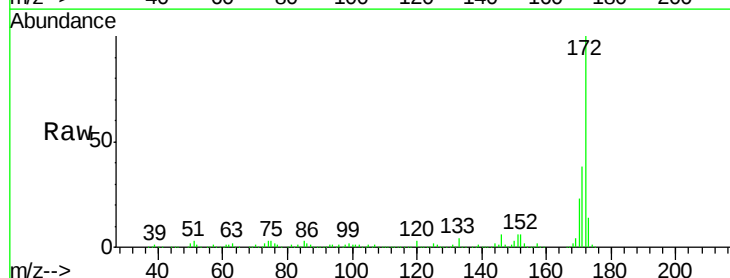
Instrument :  
 BNA\_G  
 ClientSampleId :  
 R-4220

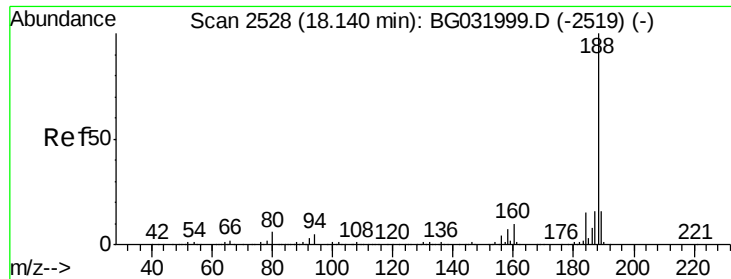
Tot Ion:330 Resp: 273788  
 Ion Ratio Lower Upper  
 330 100  
 332 97.7 77.0 115.6  
 141 29.1 25.2 37.8



#44  
 2-Fluorobiphenyl  
 Concen: 97.876 ng  
 RT: 14.00 min Scan# 1824  
 Delta R.T. -0.00 min  
 Lab File: BG032200.D  
 Acq: 21 Jan 2018 4:42

Tgt Ion:172 Resp: 903471  
 Ion Ratio Lower Upper  
 172 100  
 171 37.9 30.0 45.0  
 170 23.5 19.5 29.3

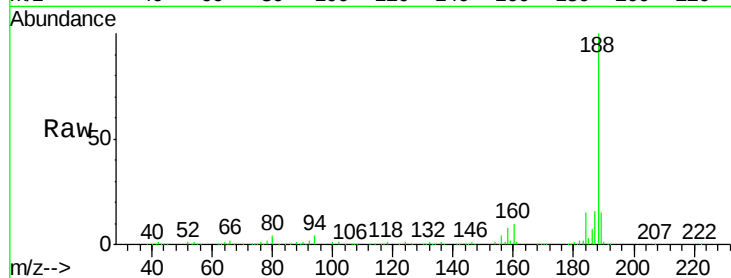




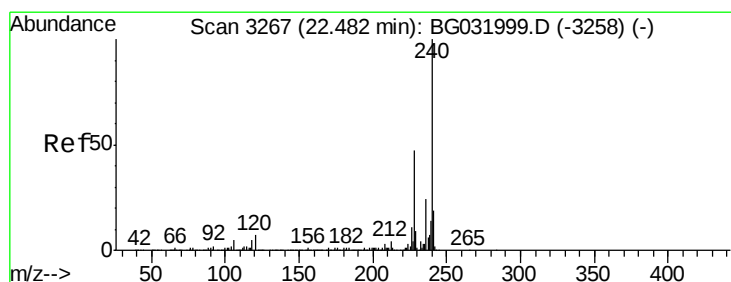
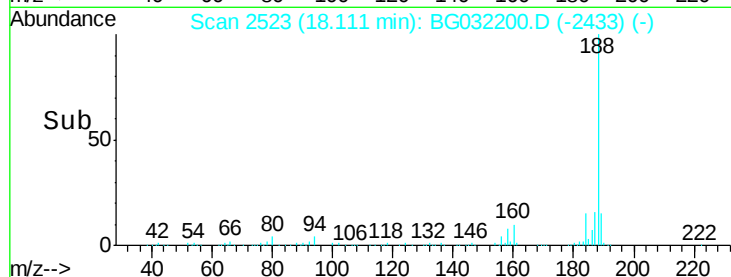
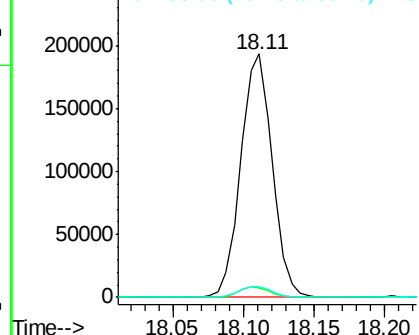
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.11 min Scan# 2523  
Delta R.T. -0.00 min  
Lab File: BG032200.D  
Acq: 21 Jan 2018 4:42

Instrument :  
BNA\_G  
ClientSampleId :  
R-4220

Tot Ion:188 Resp: 301059  
Ion Ratio Lower Upper  
188 100  
94 4.0 6.9 10.3#  
80 4.5 7.7 11.5#

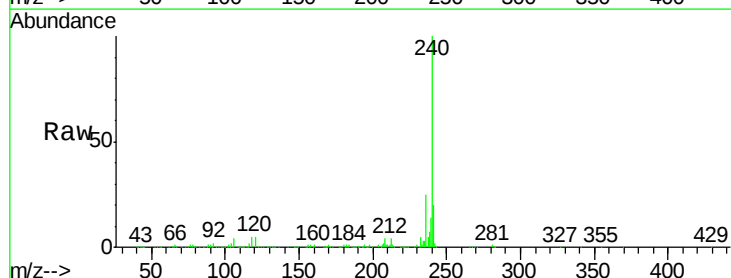


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

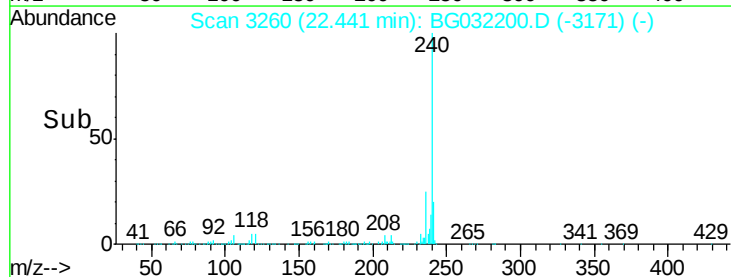
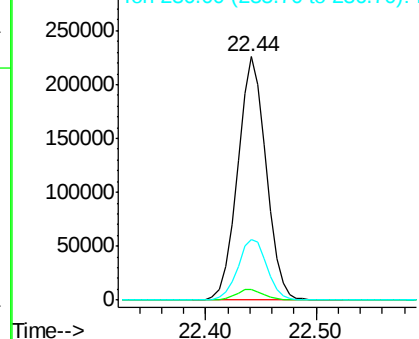


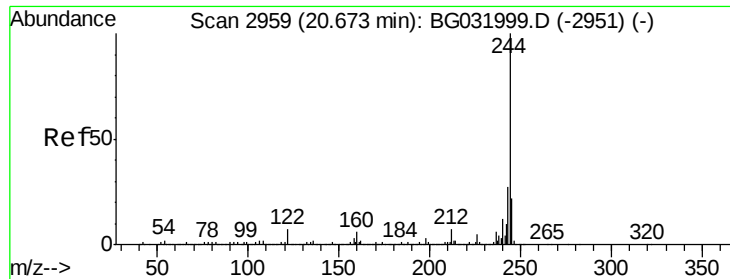
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.44 min Scan# 3260  
Delta R.T. -0.01 min  
Lab File: BG032200.D  
Acq: 21 Jan 2018 4:42

Tgt Ion:240 Resp: 407561  
Ion Ratio Lower Upper  
240 100  
120 4.6 6.8 10.2#  
236 25.0 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: 96.894 ng

RT: 20.64 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BG032200.D

Acq: 21 Jan 2018 4:42

Instrument :

BNA\_G

ClientSampleId :

R-4220

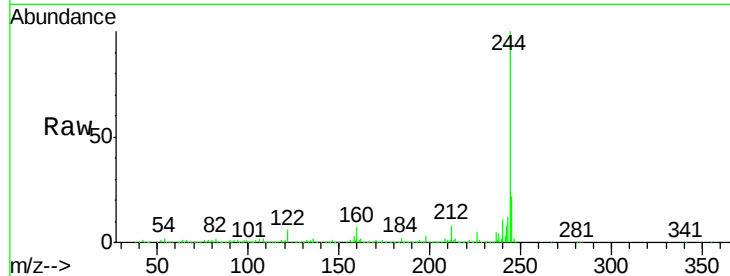
Tot Ion:244 Resp: 1788462

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

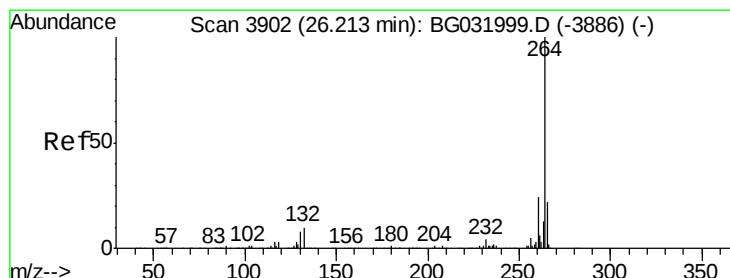
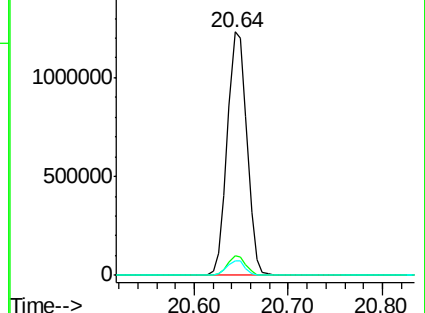
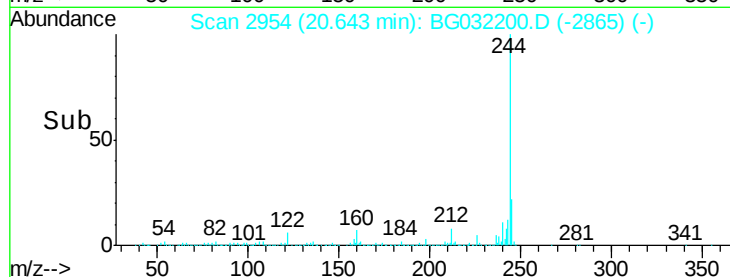
122 6.0 7.0 10.4#



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: 26.14 min Scan# 3890

Delta R.T. -0.01 min

Lab File: BG032200.D

Acq: 21 Jan 2018 4:42

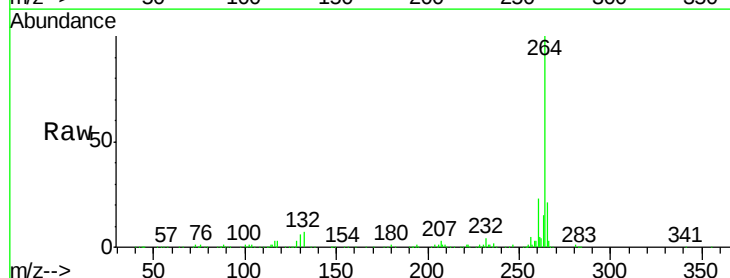
Tgt Ion:264 Resp: 435769

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 20.8 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

