

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012518\  
 Data File : BG032306.D  
 Acq On : 25 Jan 2018 23:02  
 Operator : SJ/JU  
 Sample : J1020-12  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PL-02-012418-B

Quant Time: Jan 26 02:30:27 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

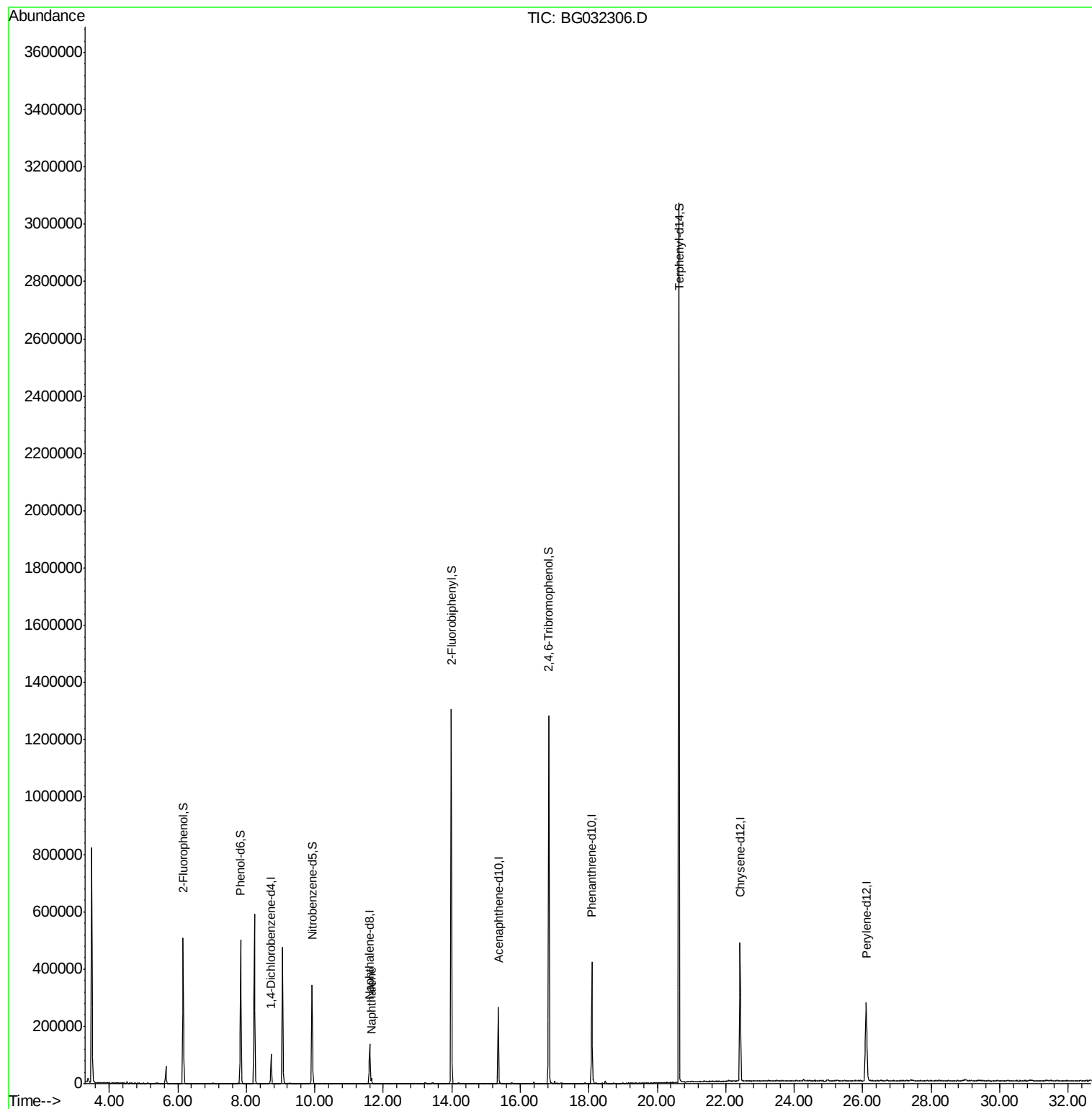
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.72  | 152  | 32805    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 11.60 | 136  | 132726   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 15.36 | 164  | 101984   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 18.09 | 188  | 302273   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 22.42 | 240  | 367559   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 26.10 | 264  | 385910   | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 6.15  | 112  | 249227   | 138.95 | ng    | 0.00           |
| 7) Phenol-d6                | 7.83  | 99   | 299496   | 132.58 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.92  | 82   | 213345   | 108.75 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.84 | 330  | 296987   | 175.98 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.99 | 172  | 753078   | 91.56  | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.63 | 244  | 1695361  | 101.85 | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 31) Naphthalene             | 11.65 | 128  | 14701    | 2.236  | ng    | Qvalue<br># 93 |

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

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PL-02-012418-B

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Response via : Initial Calibration



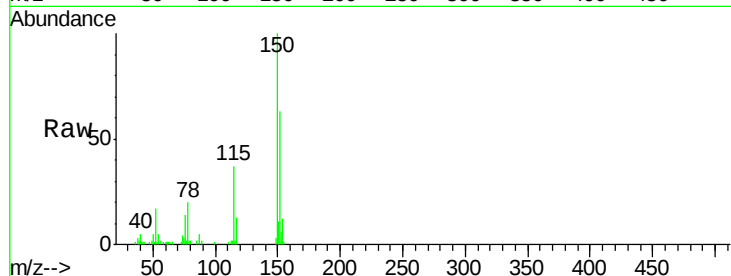


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.72 min Scan# 925  
Delta R.T. -0.00 min  
Lab File: BG032306.D  
Acq: 25 Jan 2018 23:02

Instrument :  
BNA\_G  
ClientSampleId :  
PL-02-012418-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.8 | 126.6 | 189.8 |
| 115     | 59.0  | 53.0  | 79.4  |

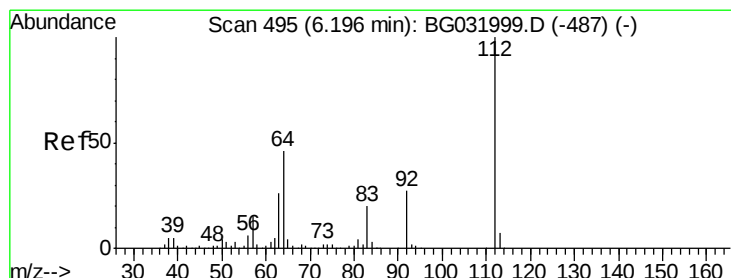
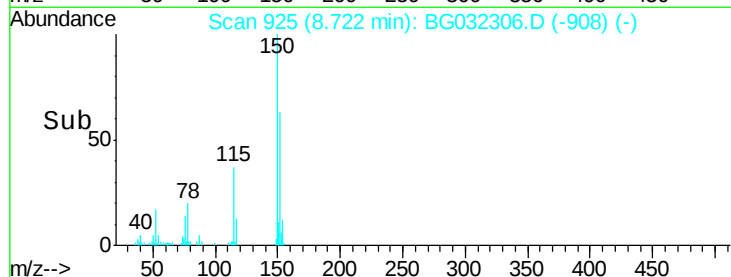
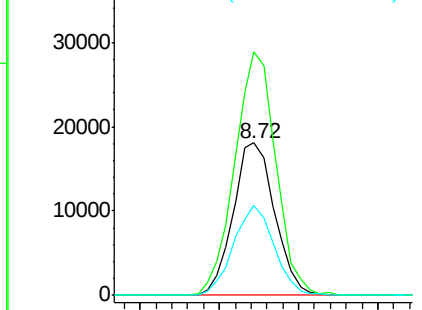


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

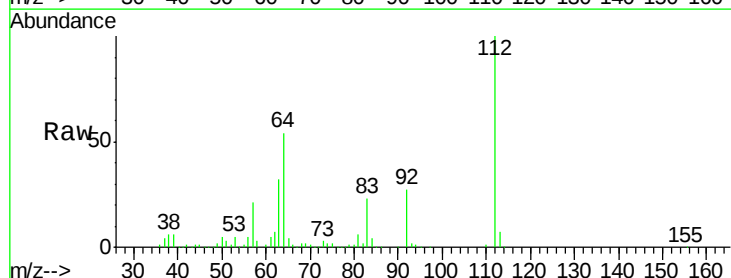
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 138.948 ng  
RT: 6.15 min Scan# 488  
Delta R.T. -0.00 min  
Lab File: BG032306.D  
Acq: 25 Jan 2018 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.7  | 56.3  | 84.5# |
| 63      | 31.8  | 30.1  | 45.1  |

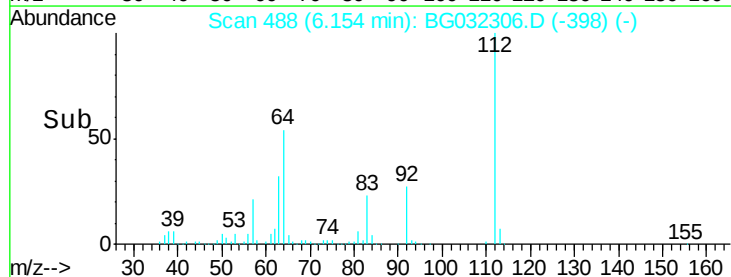
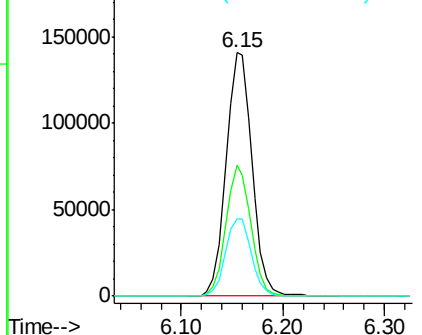


Abundance

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: 132.578 ng

RT: 7.83 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032306.D

Acq: 25 Jan 2018 23:02

Instrument :

BNA\_G

ClientSampleId :

PL-02-012418-B

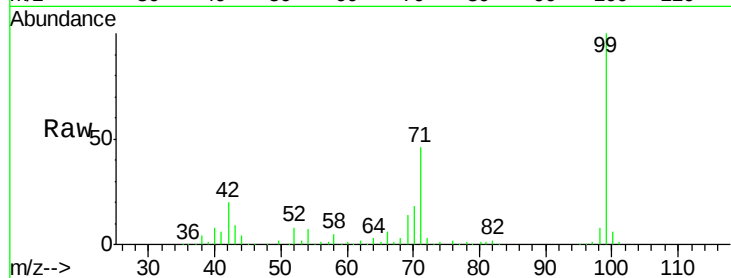
Tot Ion: 99 Resp: 299496

Ion Ratio Lower Upper

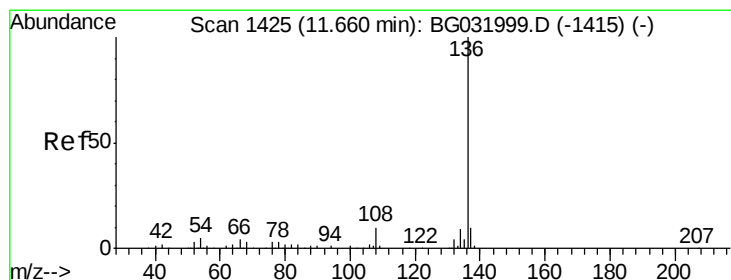
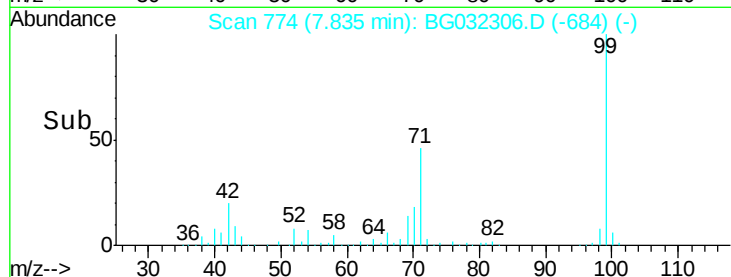
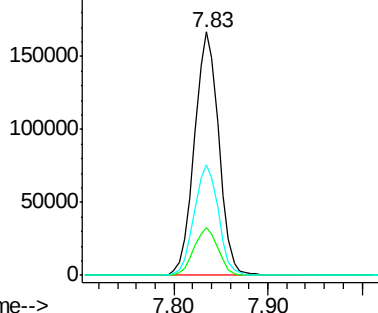
99 100

42 19.7 14.1 21.1

71 45.6 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: BG032306.D

Acq: 25 Jan 2018 23:02

Tgt Ion: 136 Resp: 132726

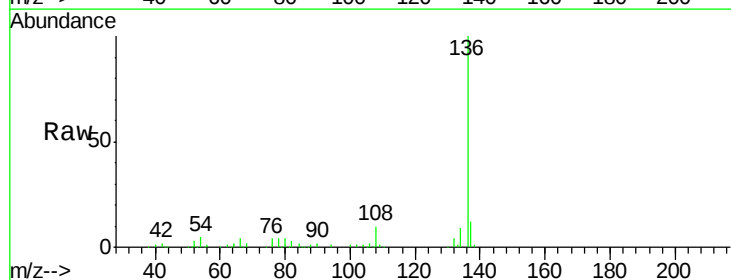
Ion Ratio Lower Upper

136 100

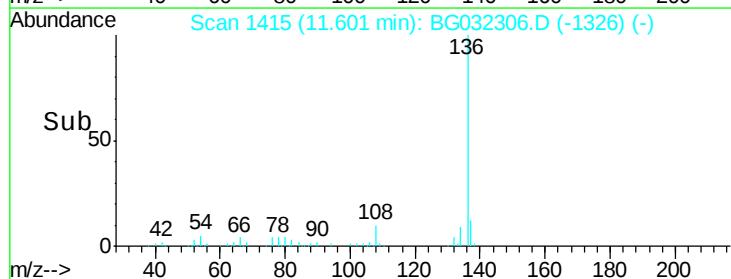
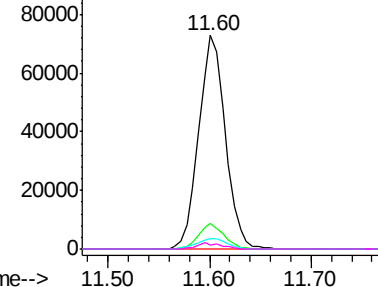
137 11.8 9.2 13.8

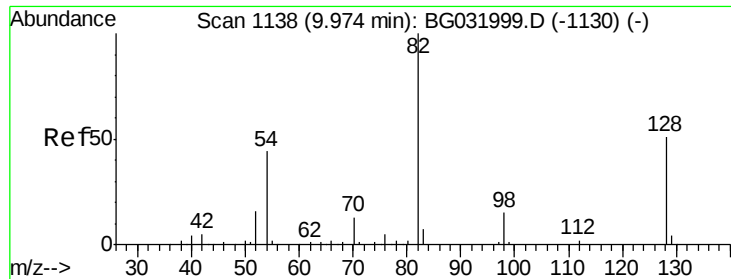
54 4.9 10.3 15.5#

68 2.1 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

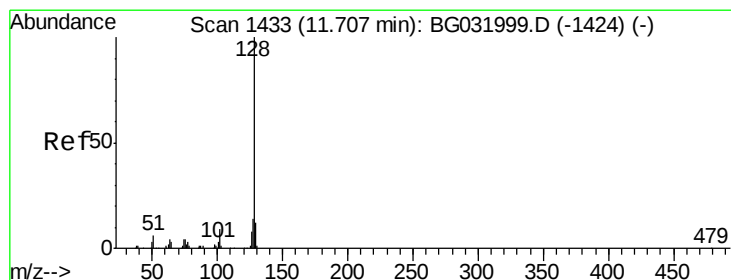
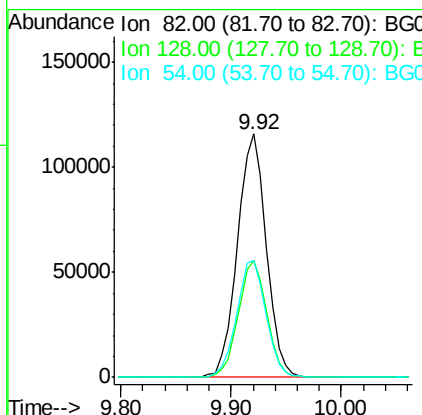
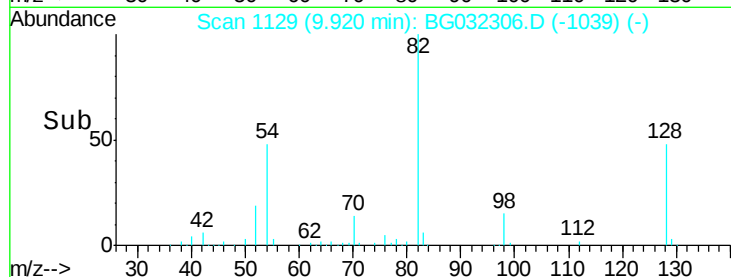
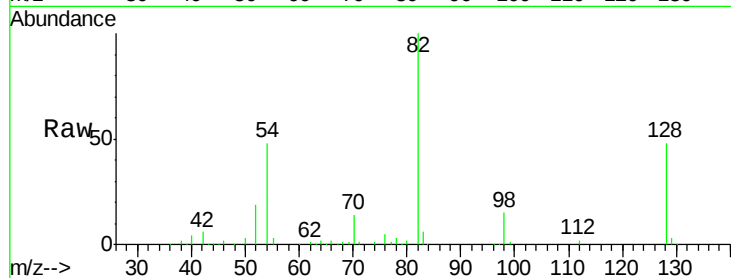




#23  
Nitrobenzene-d5  
Concen: 108.748 ng  
RT: 9.92 min Scan# 1129  
Delta R.T. -0.00 min  
Lab File: BG032306.D  
Acq: 25 Jan 2018 23:02

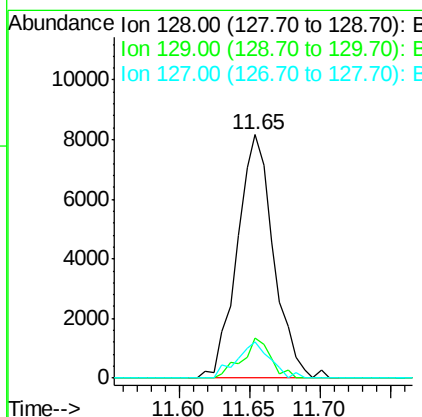
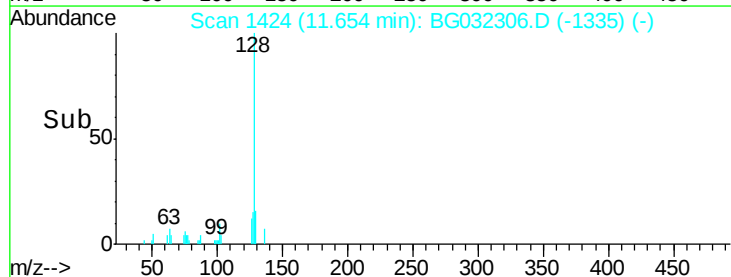
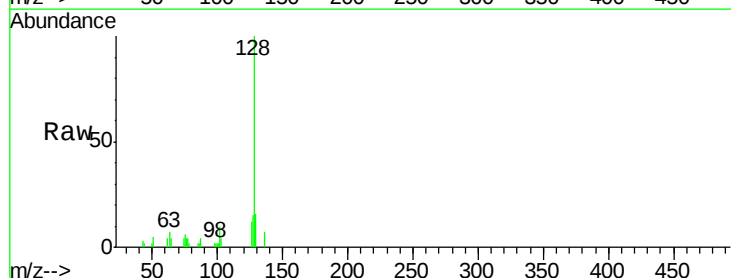
Instrument :  
BNA\_G  
ClientSampleId :  
PL-02-012418-B

Tot Ion: 82 Resp: 213345  
Ion Ratio Lower Upper  
82 100  
128 48.0 29.7 44.5#  
54 48.0 43.1 64.7



#31  
Naphthalene  
Concen: 2.236 ng  
RT: 11.65 min Scan# 1424  
Delta R.T. -0.01 min  
Lab File: BG032306.D  
Acq: 25 Jan 2018 23:02

Tgt Ion: 128 Resp: 14701  
Ion Ratio Lower Upper  
128 100  
129 16.3 8.6 12.8#  
127 14.8 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032306.D

Acq: 25 Jan 2018 23:02

Instrument :

BNA\_G

ClientSampleId :

PL-02-012418-B

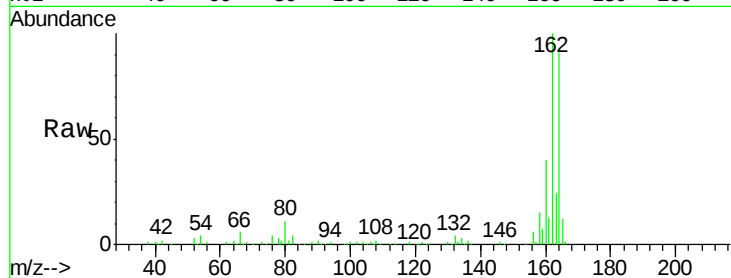
Tot Ion:164 Resp: 101984

Ion Ratio Lower Upper

164 100

162 110.0 78.8 118.2

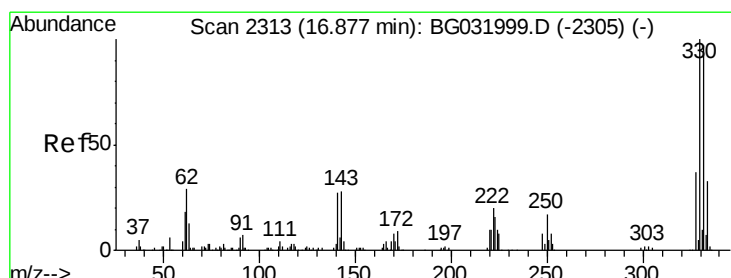
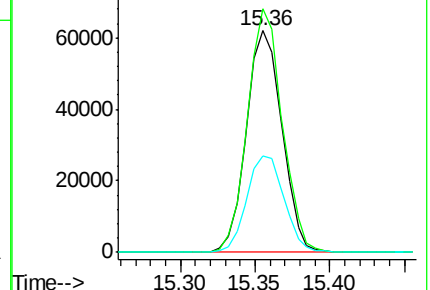
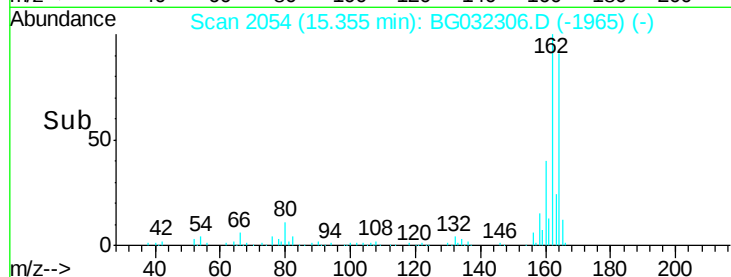
160 43.7 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 175.982 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BG032306.D

Acq: 25 Jan 2018 23:02

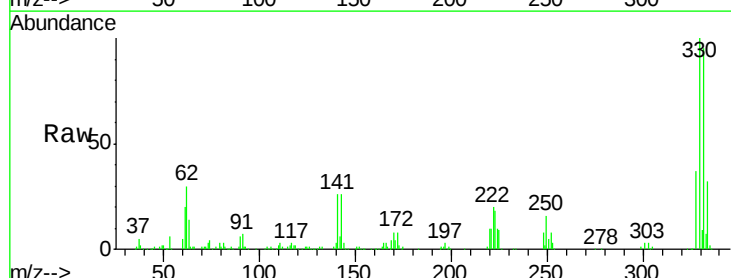
Tgt Ion:330 Resp: 296987

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

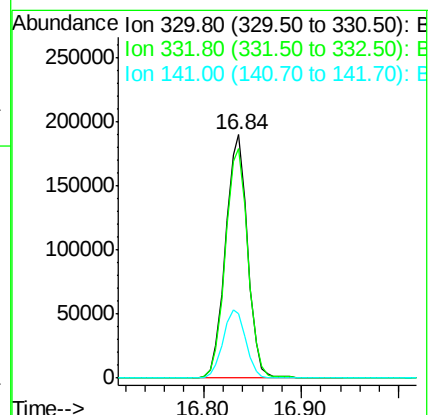
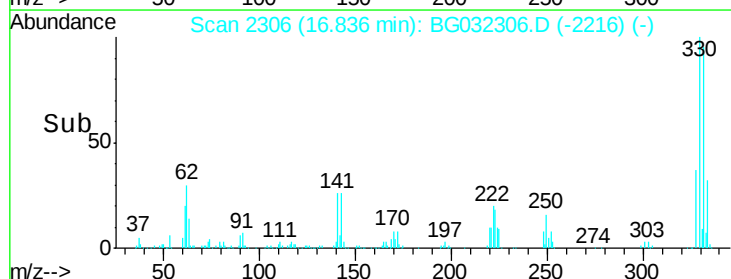
141 28.8 25.2 37.8



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

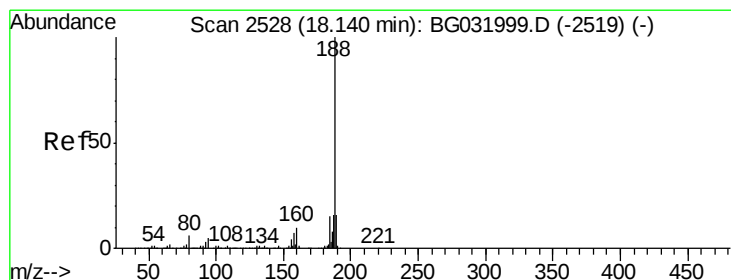
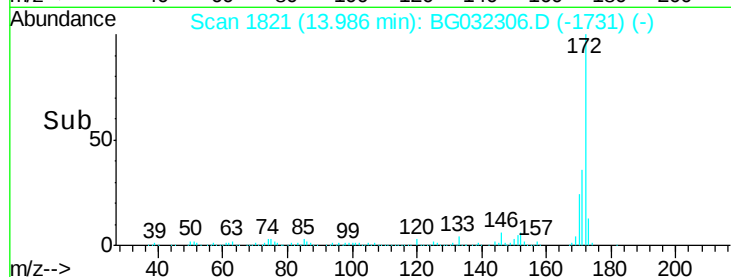
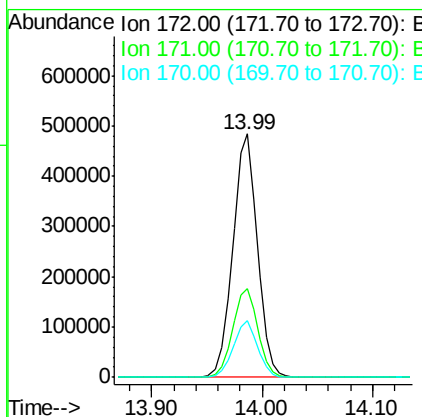
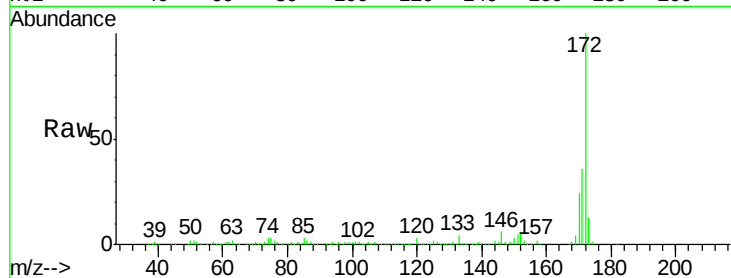




#44  
 2-Fluorobiphenyl  
 Concen: 91.561 ng  
 RT: 13.99 min Scan# 1821  
 Delta R.T. -0.00 min  
 Lab File: BG032306.D  
 Acq: 25 Jan 2018 23:02

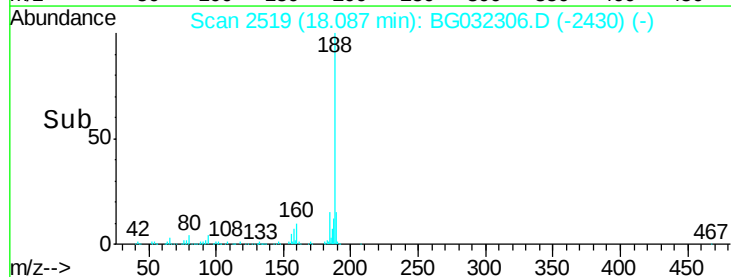
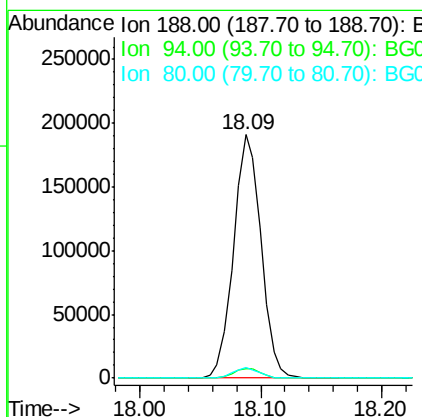
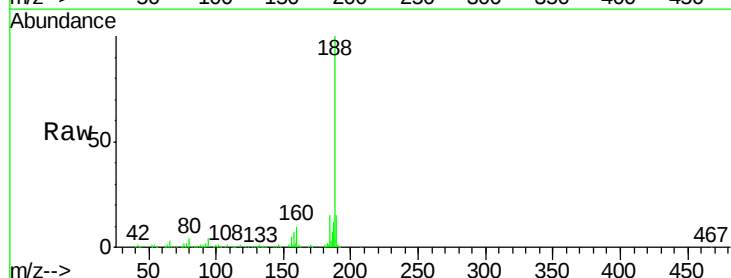
Instrument :  
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 PL-02-012418-B

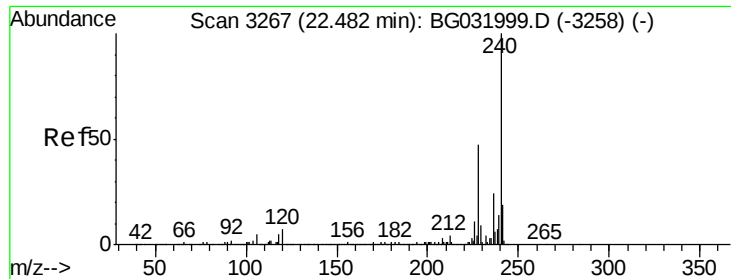
Tot Ion:172 Resp: 753078  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 30.0 45.0  
 170 23.5 19.5 29.3



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.09 min Scan# 2519  
 Delta R.T. -0.01 min  
 Lab File: BG032306.D  
 Acq: 25 Jan 2018 23:02

Tgt Ion:188 Resp: 302273  
 Ion Ratio Lower Upper  
 188 100  
 94 3.8 6.9 10.3#  
 80 4.2 7.7 11.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.42 min Scan# 3256

Delta R.T. -0.01 min

Lab File: BG032306.D

Acq: 25 Jan 2018 23:02

Instrument :

BNA\_G

ClientSampleId :

PL-02-012418-B

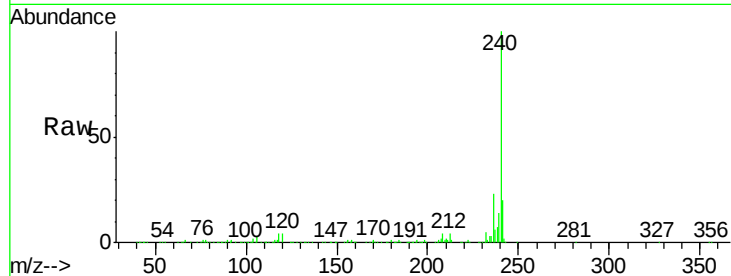
Tot Ion:240 Resp: 367559

Ion Ratio Lower Upper

240 100

120 4.5 6.8 10.2#

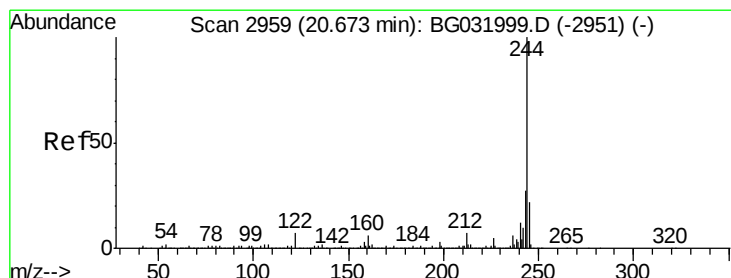
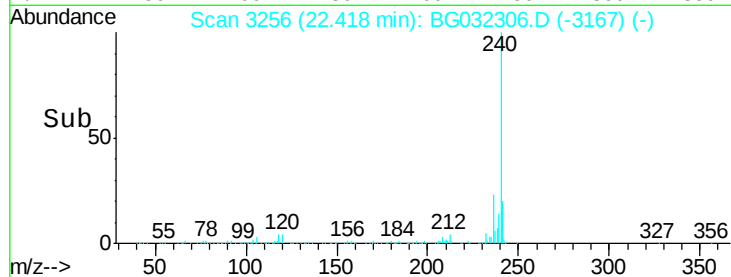
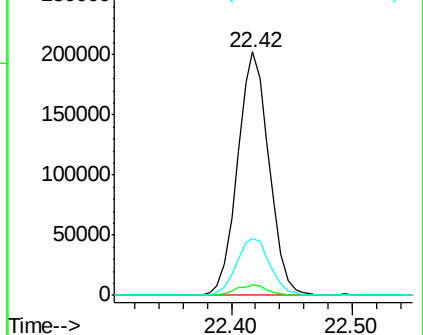
236 23.2 20.9 31.3



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: 101.846 ng

RT: 20.63 min Scan# 2952

Delta R.T. -0.00 min

Lab File: BG032306.D

Acq: 25 Jan 2018 23:02

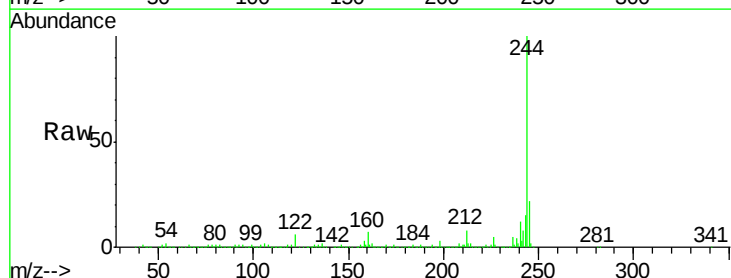
Tgt Ion:244 Resp: 1695361

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

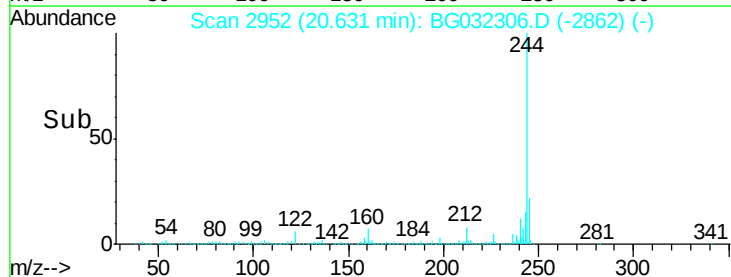
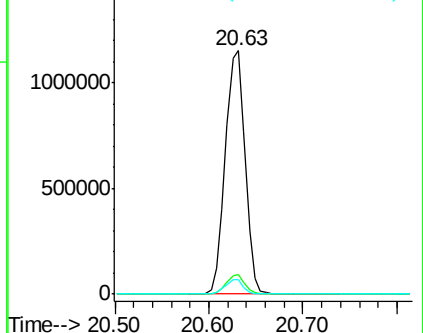
122 5.8 7.0 10.4#

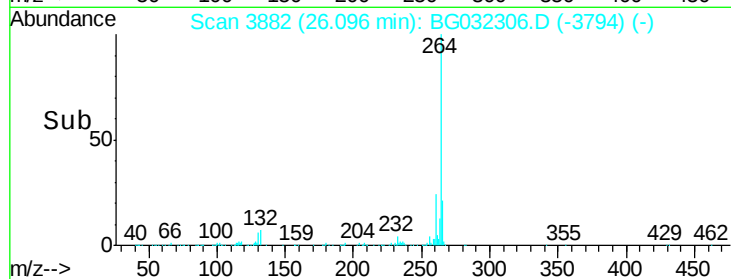
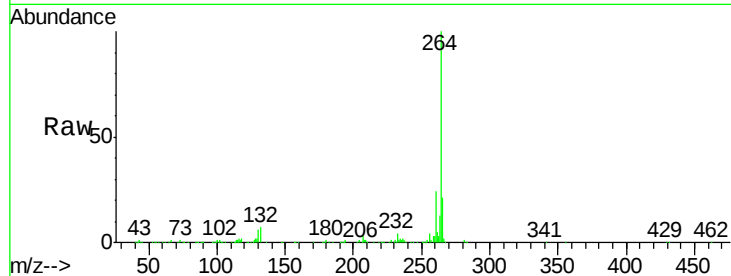
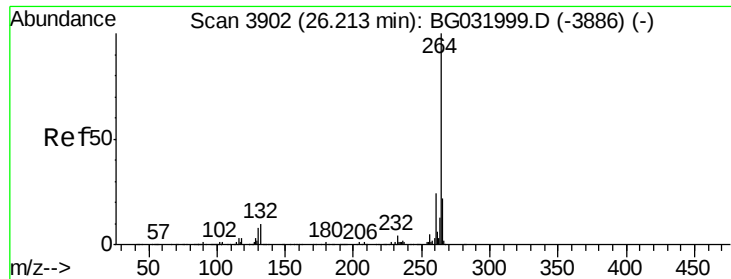


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.10 min Scan# 3882

Delta R.T. -0.01 min

Lab File: BG032306.D

Acq: 25 Jan 2018 23:02

Instrument :

BNA\_G

ClientSampleId :

PL-02-012418-B

Tot Ion: 264 Resp: 385910

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.0

265 20.9 17.7 26.5

