

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102817\  
 Data File : BG030549.D  
 Acq On : 29 Oct 2017 6:01  
 Operator : SJ/JU  
 Sample : I6081-20  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-9-NATIVE(10-11)

Quant Time: Oct 30 06:54:31 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

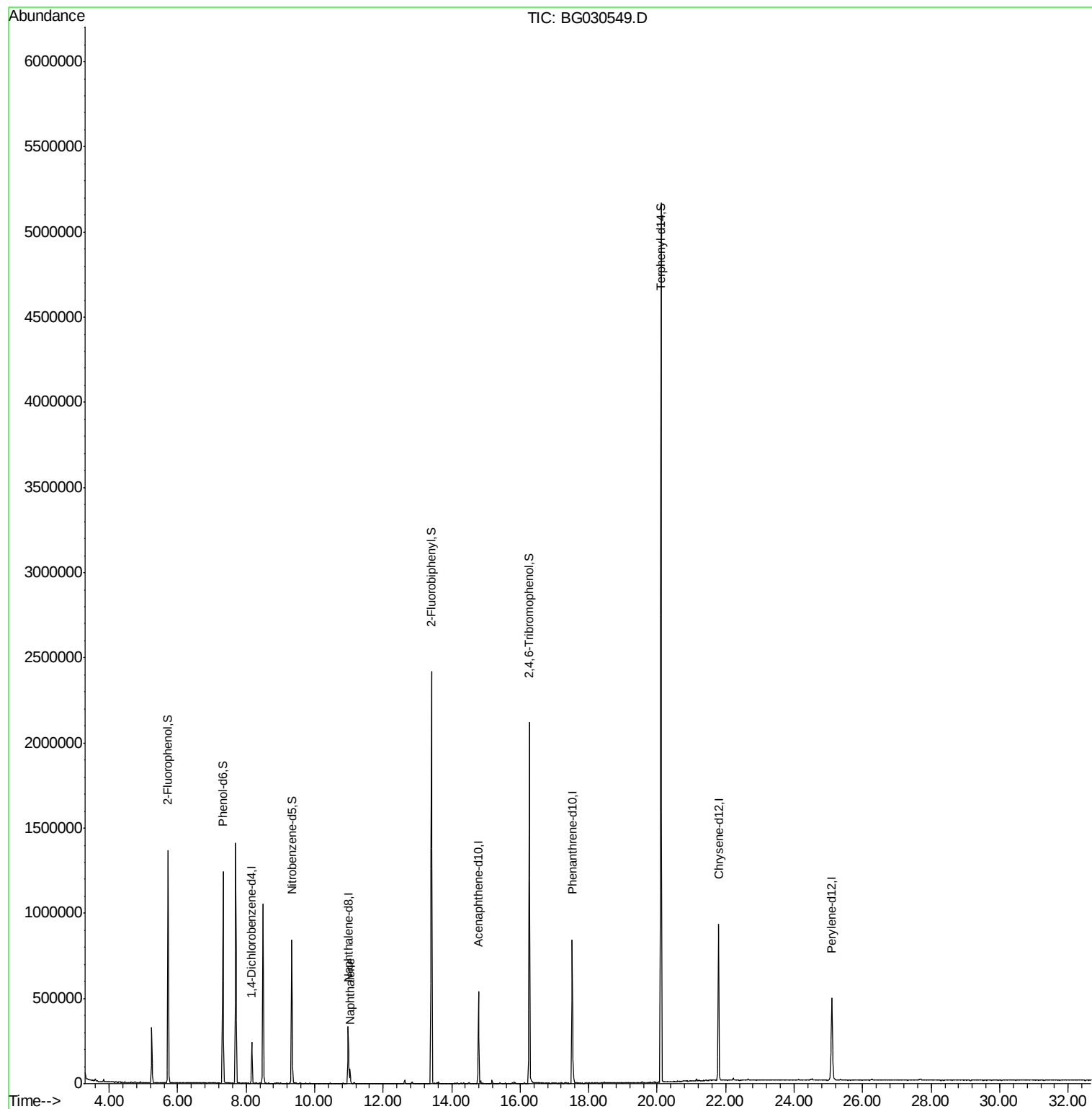
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 70814    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.98 | 136  | 299877   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.78 | 164  | 190966   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.52 | 188  | 513886   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.79 | 240  | 568365   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 25.10 | 264  | 563904   | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.72  | 112  | 621412   | 146.60 | ng    | 0.00         |
| 7) Phenol-d6                | 7.32  | 99   | 747873   | 125.69 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 507683   | 107.58 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.26 | 330  | 441739   | 179.16 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.41 | 172  | 1318996  | 101.30 | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.11 | 244  | 2322049  | 92.94  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 31) Naphthalene             | 11.03 | 128  | 74849    | 5.008  | ng    | Qvalue<br>98 |

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

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102817\  
Data File : BG030549.D  
Acq On : 29 Oct 2017 6:01  
Operator : SJ/JU  
Sample : I6081-20  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-9-NATIVE(10-11)

Quant Time: Oct 30 06:54:31 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



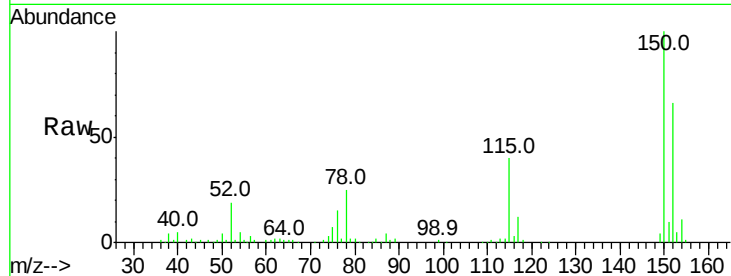


#1

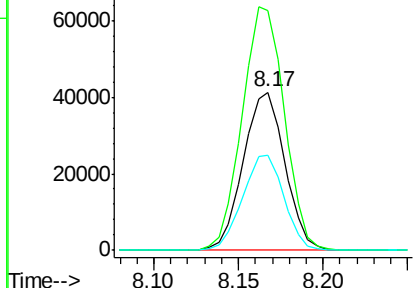
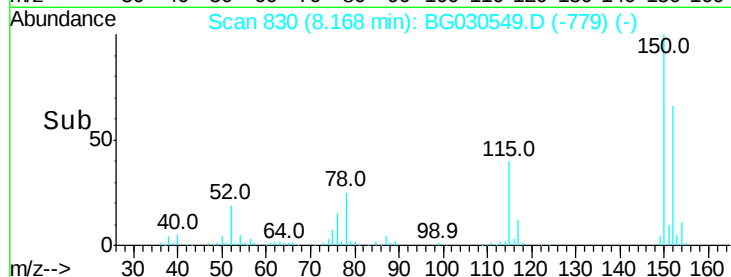
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.17 min Scan# 830  
 Delta R.T. -0.00 min  
 Lab File: BG030549.D  
 Acq: 29 Oct 2017 6:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-9-NATIVE(10-11)

Tot Ion:152 Resp: 70814  
 Ion Ratio Lower Upper  
 152 100  
 150 151.9 126.6 189.8  
 115 60.6 53.0 79.4



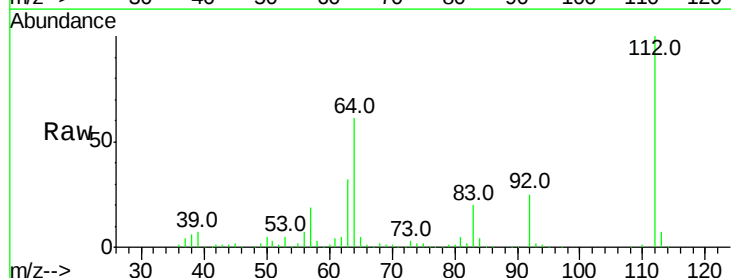
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



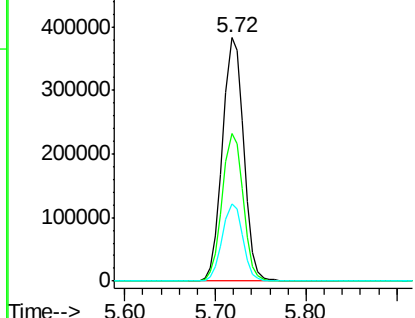
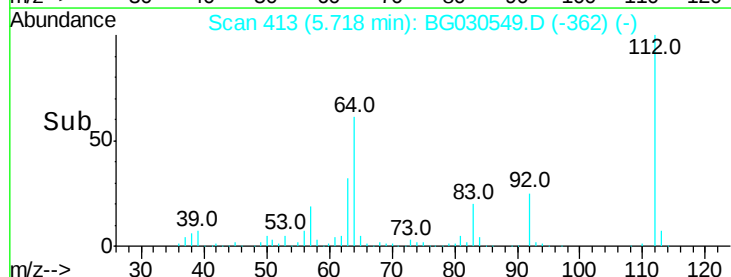
#5

2-Fluorophenol  
 Concen: 146.596 ng  
 RT: 5.72 min Scan# 413  
 Delta R.T. -0.00 min  
 Lab File: BG030549.D  
 Acq: 29 Oct 2017 6:01

Tgt Ion:112 Resp: 621412  
 Ion Ratio Lower Upper  
 112 100  
 64 60.6 56.3 84.5  
 63 31.5 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: 125.692 ng

RT: 7.32 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG030549.D

Acq: 29 Oct 2017 6:01

Instrument :

BNA\_G

ClientSampleId :

SB-9-NATIVE(10-11)

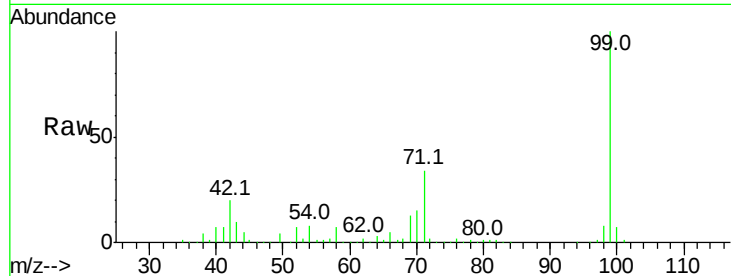
Tot Ion: 99 Resp: 747873

Ion Ratio Lower Upper

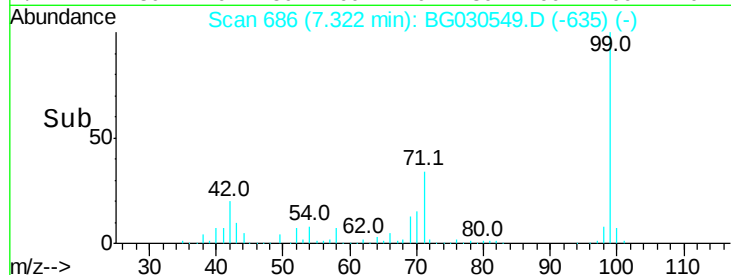
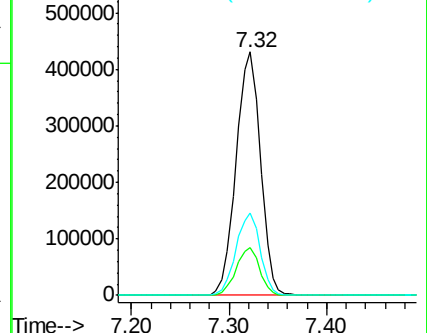
99 100

42 19.8 14.1 21.1

71 34.0 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: 10.98 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BG030549.D

Acq: 29 Oct 2017 6:01

Tgt Ion: 136 Resp: 299877

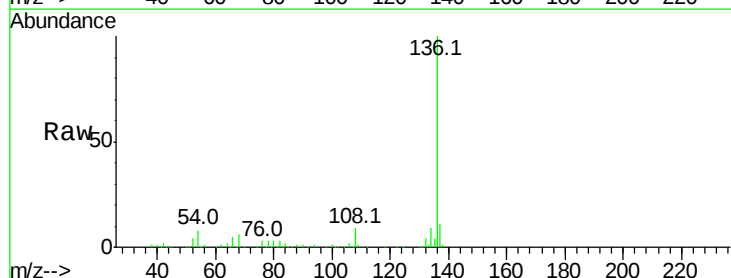
Ion Ratio Lower Upper

136 100

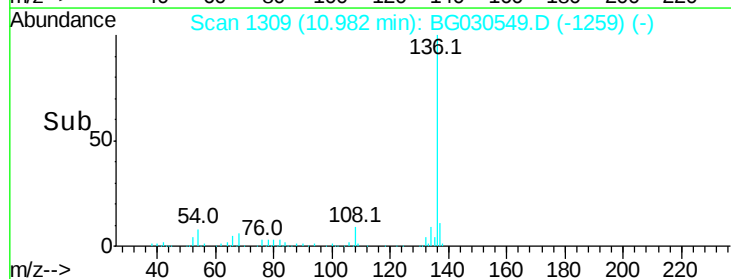
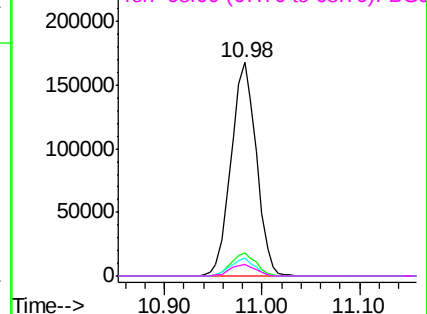
137 10.6 9.2 13.8

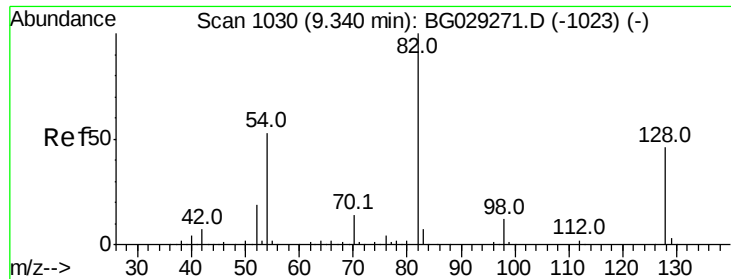
54 8.5 10.3 15.5#

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

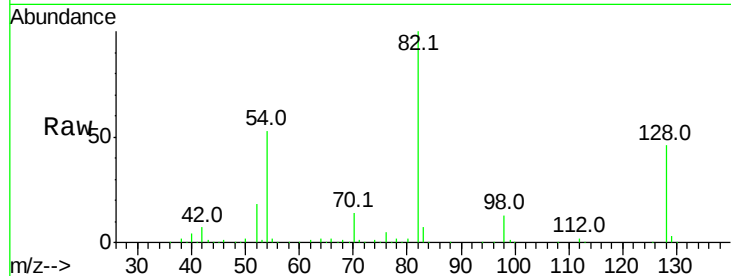




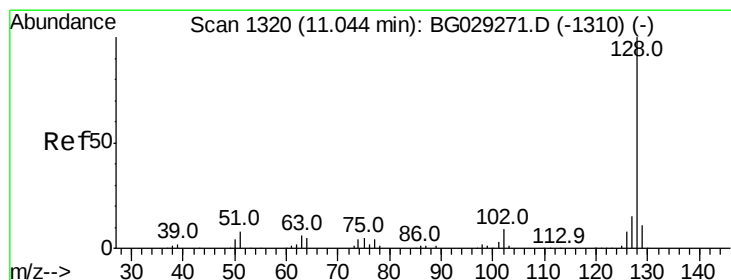
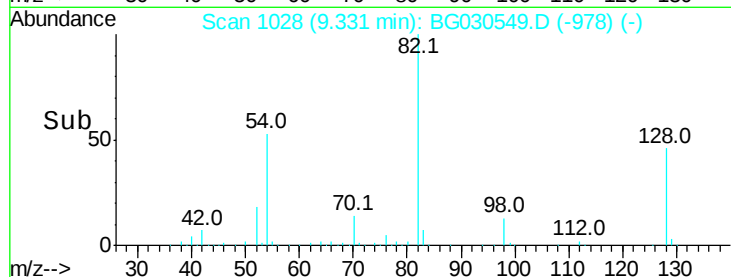
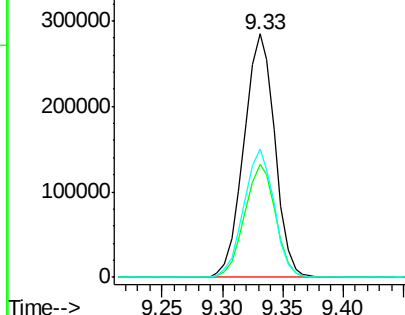
#23  
 Nitrobenzene-d5  
 Concen: 107.584 ng  
 RT: 9.33 min Scan# 1028  
 Delta R.T. -0.01 min  
 Lab File: BG030549.D  
 Acq: 29 Oct 2017 6:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-9-NATIVE(10-11)

Tot Ion: 82 Resp: 507683  
 Ion Ratio Lower Upper  
 82 100  
 128 46.3 29.7 44.5#  
 54 52.6 43.1 64.7

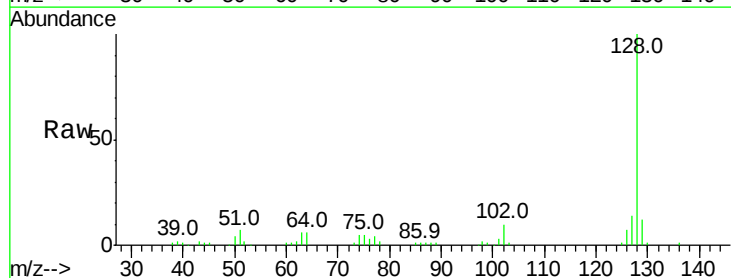


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

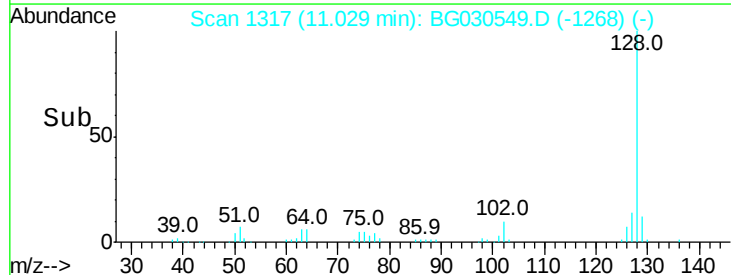
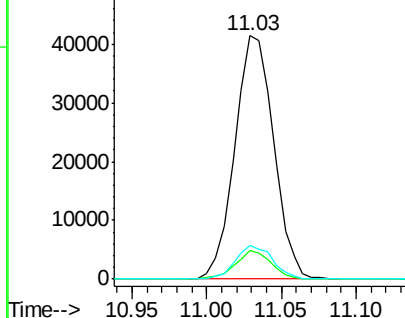


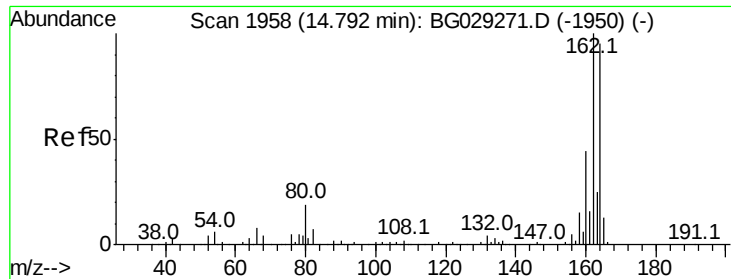
#31  
 Naphthalene  
 Concen: 5.008 ng  
 RT: 11.03 min Scan# 1317  
 Delta R.T. -0.01 min  
 Lab File: BG030549.D  
 Acq: 29 Oct 2017 6:01

Tgt Ion: 128 Resp: 74849  
 Ion Ratio Lower Upper  
 128 100  
 129 11.7 8.6 12.8  
 127 13.8 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC  
 Ion 129.00 (128.70 to 129.70): BGC  
 Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG030549.D

Acq: 29 Oct 2017 6:01

Instrument :

BNA\_G

ClientSampleId :

SB-9-NATIVE(10-11)

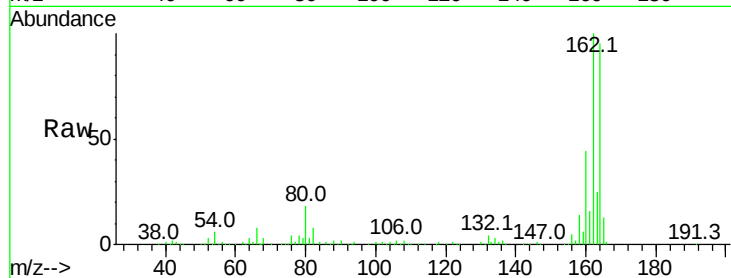
Tot Ion:164 Resp: 190966

Ion Ratio Lower Upper

164 100

162 105.0 78.8 118.2

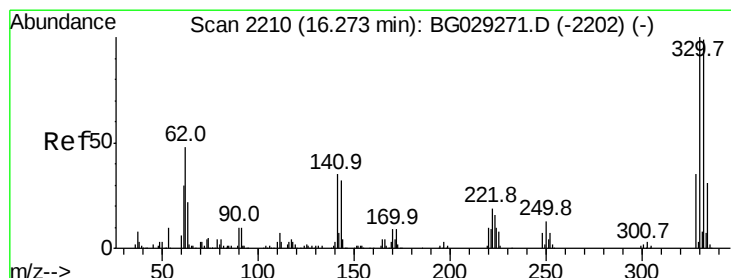
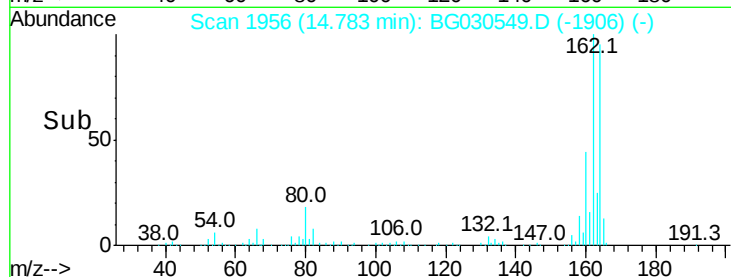
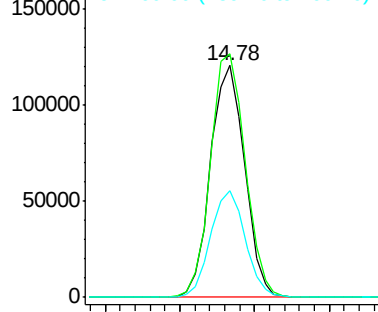
160 45.8 35.4 53.0



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: 179.163 ng

RT: 16.26 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BG030549.D

Acq: 29 Oct 2017 6:01

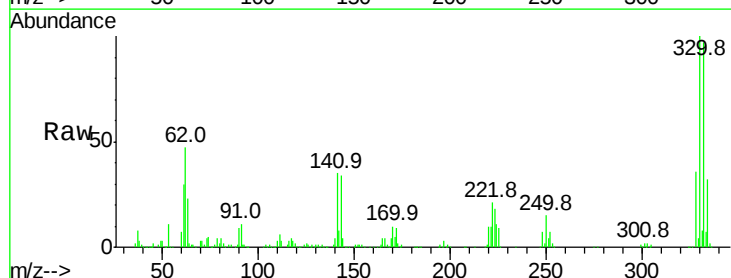
Tgt Ion:330 Resp: 441739

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

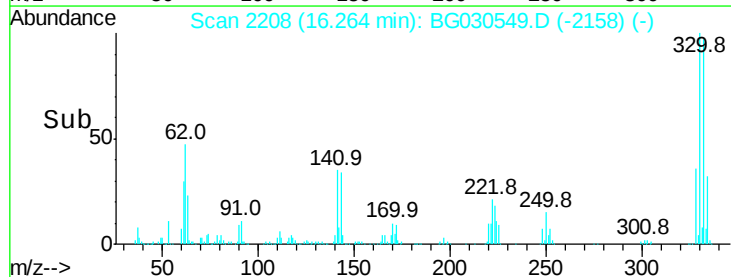
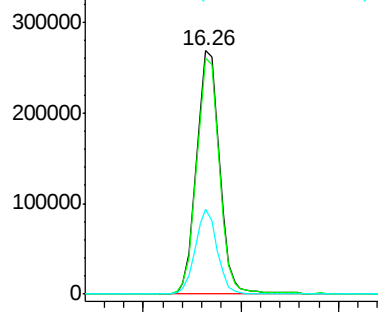
141 33.2 25.2 37.8



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



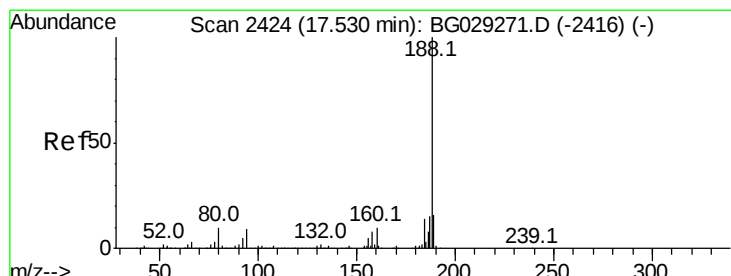
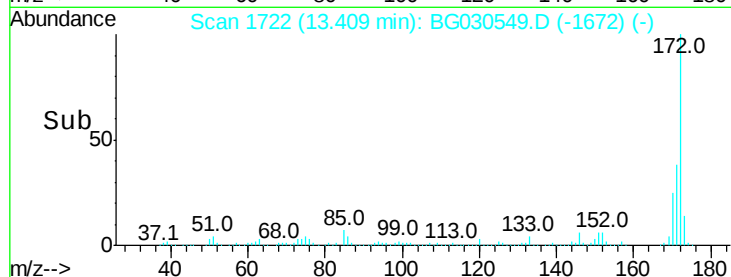
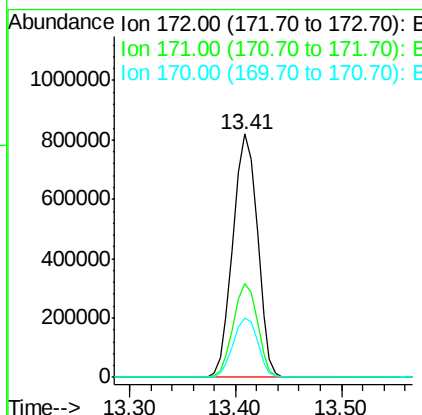
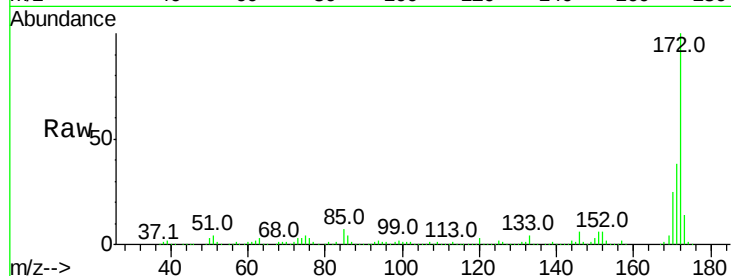


#44  
 2-Fluorobiphenyl  
 Concen: 101.301 ng  
 RT: 13.41 min Scan# 1722  
 Delta R.T. -0.01 min  
 Lab File: BG030549.D  
 Acq: 29 Oct 2017 6:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-9-NATIVE(10-11)

Tot Ion:172 Resp: 1318996  

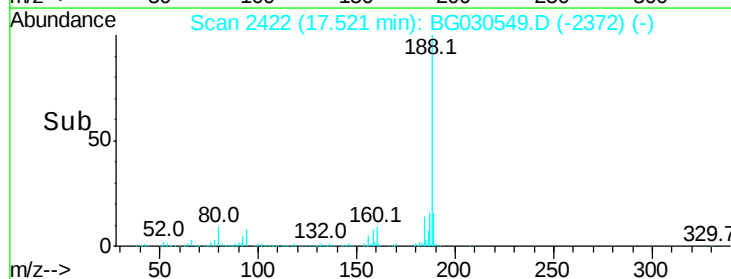
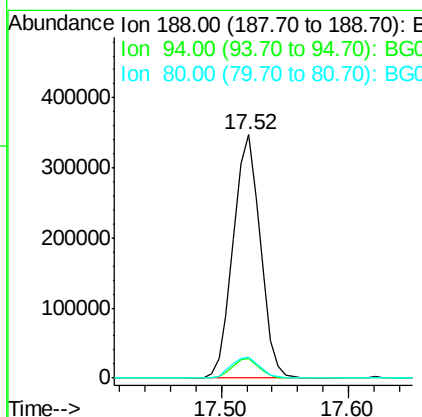
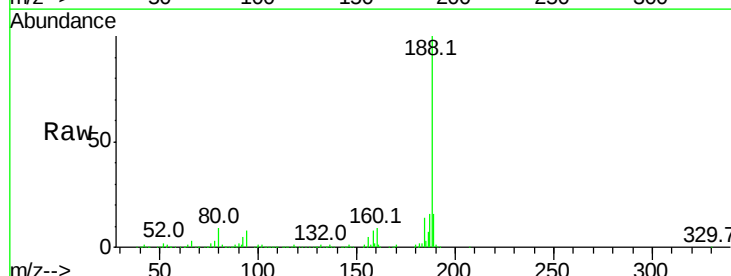
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 38.3  | 30.0  | 45.0  |
| 170 | 24.5  | 19.5  | 29.3  |

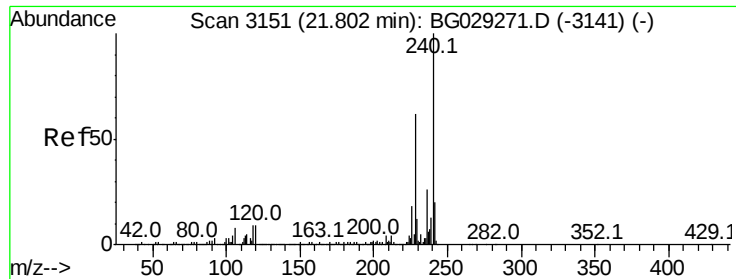


#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.52 min Scan# 2422  
 Delta R.T. -0.01 min  
 Lab File: BG030549.D  
 Acq: 29 Oct 2017 6:01

Tgt Ion:188 Resp: 513886  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 7.8   | 6.9   | 10.3  |
| 80  | 8.7   | 7.7   | 11.5  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.79 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG030549.D

Acq: 29 Oct 2017 6:01

Instrument :

BNA\_G

ClientSampleId :

SB-9-NATIVE(10-11)

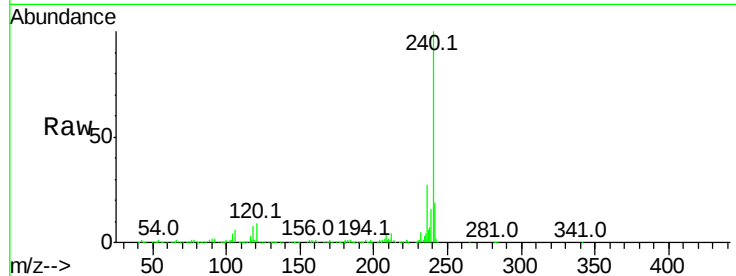
Tot Ion:240 Resp: 568365

Ion Ratio Lower Upper

240 100

120 9.0 6.8 10.2

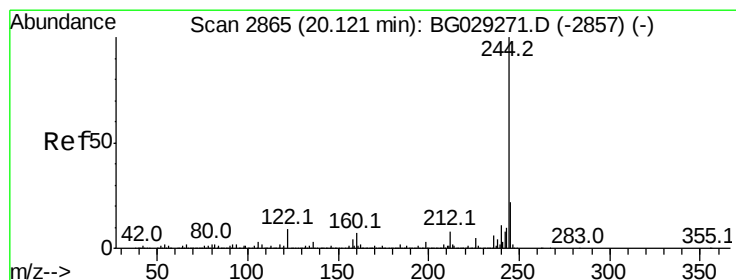
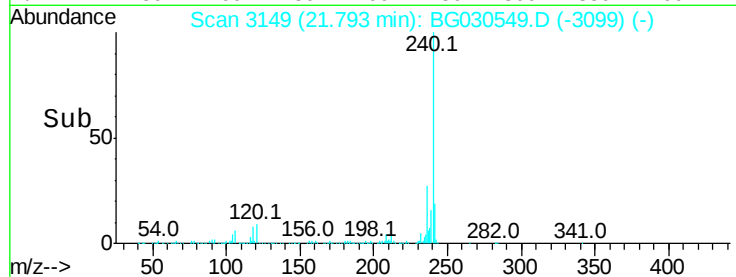
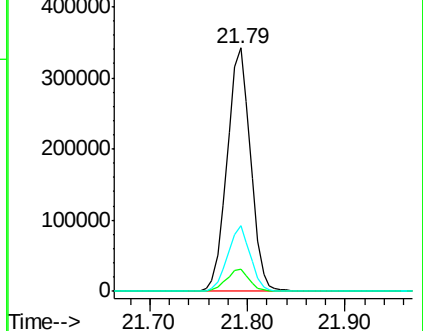
236 26.8 20.9 31.3



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: 92.942 ng

RT: 20.11 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG030549.D

Acq: 29 Oct 2017 6:01

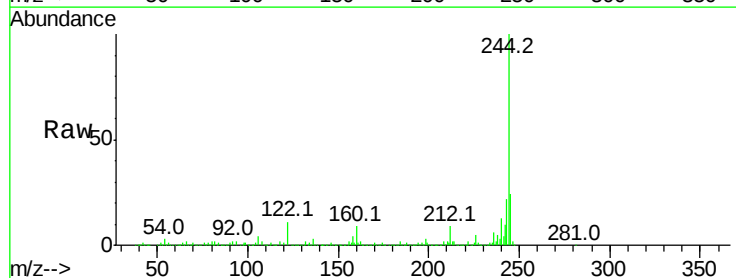
Tgt Ion:244 Resp: 2322049

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

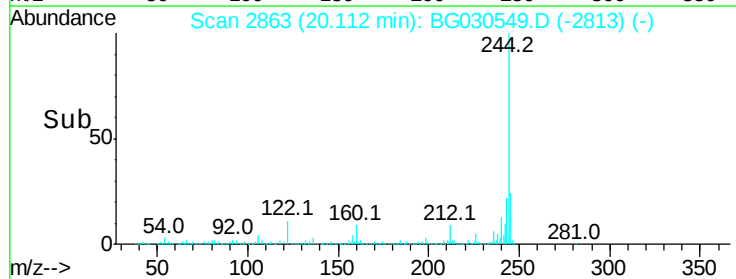
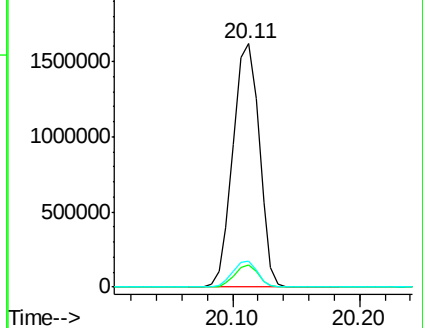
122 10.5 7.0 10.4#

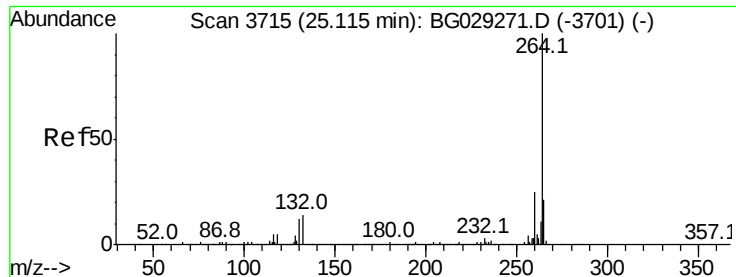


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.01 min  
Lab File: BG030549.D  
Acq: 29 Oct 2017 6:01

Instrument :  
BNA\_G  
ClientSampleId :  
SB-9-NATIVE(10-11)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.2  | 17.4  | 26.0  |
| 265     | 22.0  | 17.7  | 26.5  |

