

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111317\  
 Data File : BG031000.D  
 Acq On : 14 Nov 2017 8:28  
 Operator : SJ/JU  
 Sample : I6441-04  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-11A-11B

Quant Time: Nov 14 11:28:03 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 10 15:38:25 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.14  | 152  | 34038    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.96 | 136  | 138981   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.76 | 164  | 94385    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.50 | 188  | 272739   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.77 | 240  | 433259   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 25.08 | 264  | 430425   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.70  | 112  | 294057   | 148.14 | ng    | 0.00     |
| 7) Phenol-d6                | 7.30  | 99   | 334599   | 125.12 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.31  | 82   | 245545   | 104.69 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 300274   | 196.66 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 734282   | 111.78 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.09 | 244  | 1882514  | 95.94  | ng    | 0.00     |

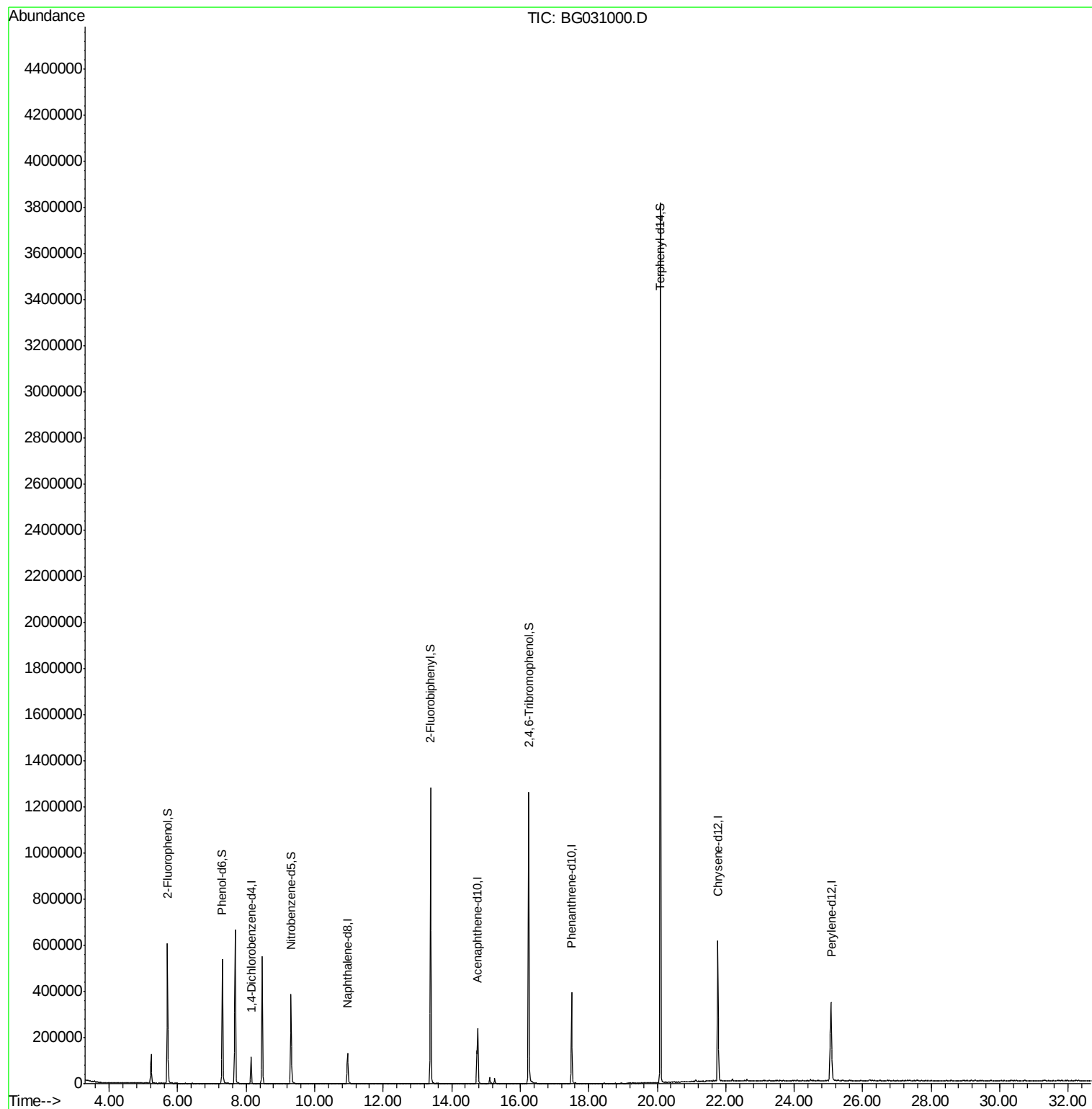
Target Compounds Qvalue

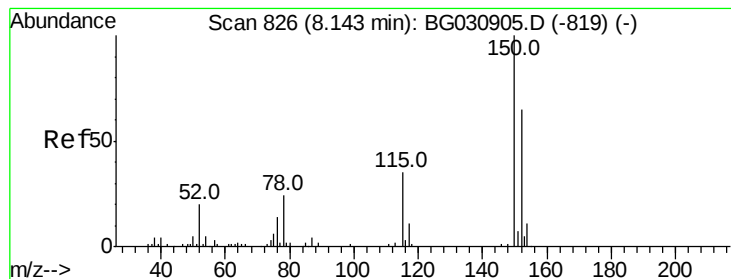
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111317\  
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Sample : I6441-04  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-11A-11B

Quant Time: Nov 14 11:28:03 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 10 15:38:25 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 826

Delta R.T. -0.01 min

Lab File: BG031000.D

Acq: 14 Nov 2017 8:28

Instrument :

BNA\_G

ClientSampleId :

TP-11A-11B

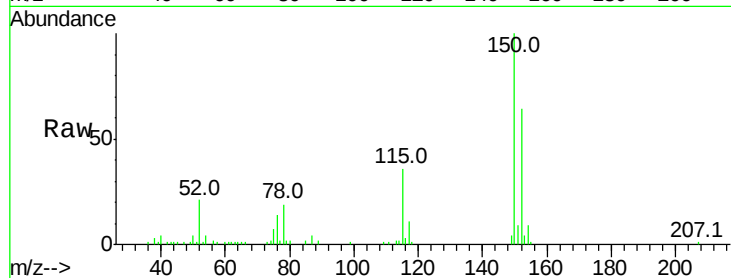
Tot Ion:152 Resp: 34038

Ion Ratio Lower Upper

152 100

150 157.4 126.6 189.8

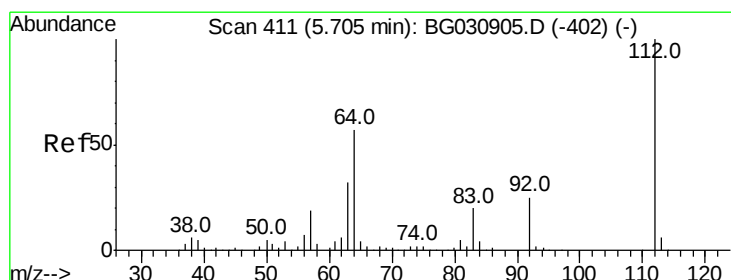
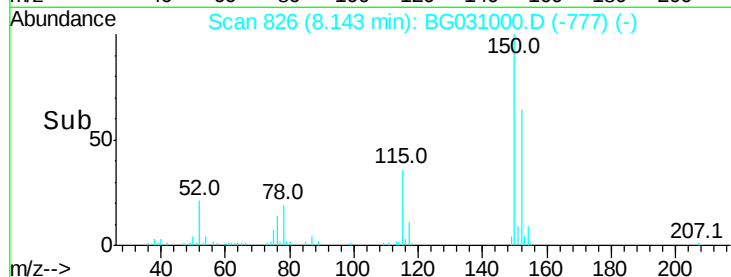
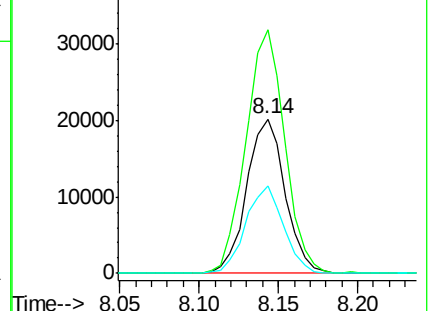
115 56.8 53.0 79.4



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: 148.139 ng

RT: 5.70 min Scan# 410

Delta R.T. -0.01 min

Lab File: BG031000.D

Acq: 14 Nov 2017 8:28

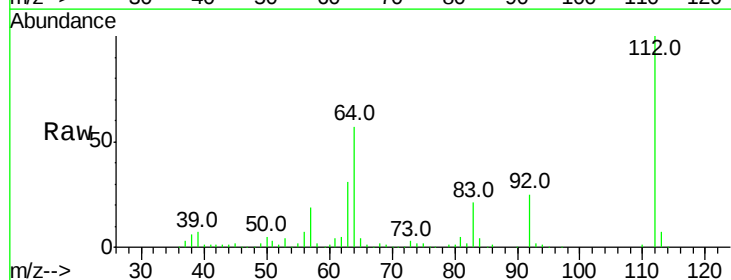
Tgt Ion:112 Resp: 294057

Ion Ratio Lower Upper

112 100

64 56.6 56.3 84.5

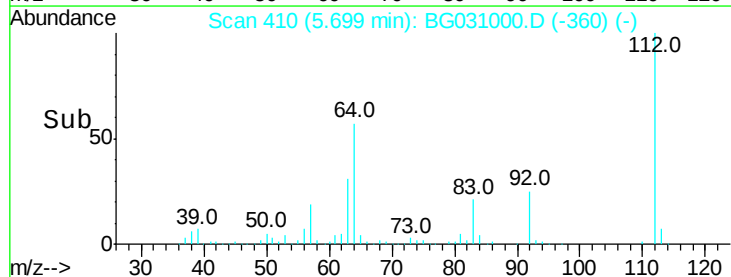
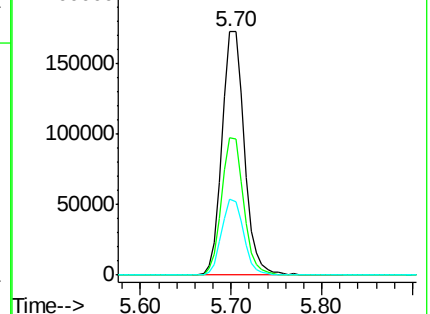
63 31.3 30.1 45.1

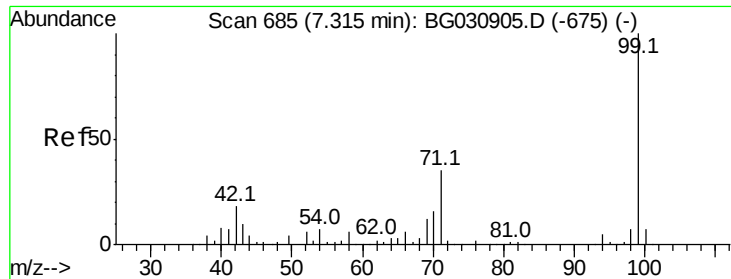


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 125.120 ng

RT: 7.30 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG031000.D

Acq: 14 Nov 2017 8:28

Instrument :

BNA\_G

ClientSampleId :

TP-11A-11B

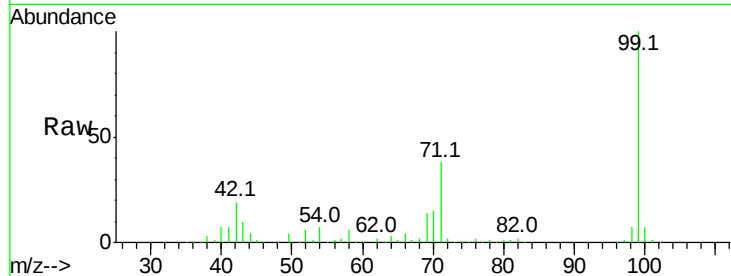
Tot Ion: 99 Resp: 334599

Ion Ratio Lower Upper

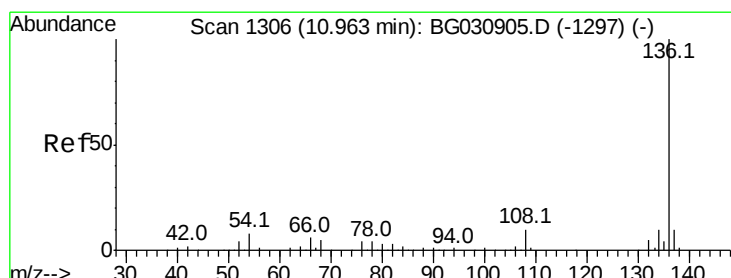
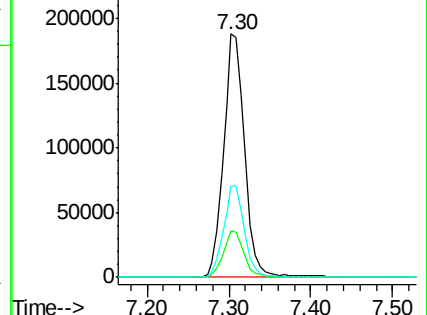
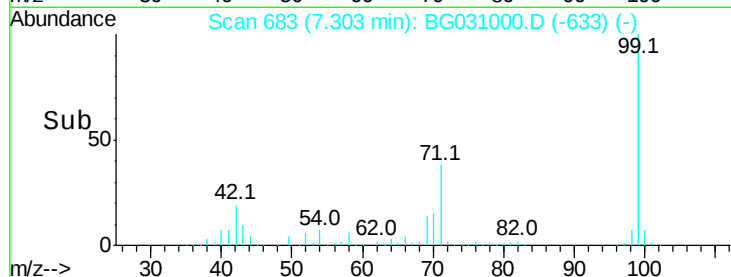
99 100

42 18.9 14.1 21.1

71 37.6 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: 10.96 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BG031000.D

Acq: 14 Nov 2017 8:28

Tgt Ion: 136 Resp: 138981

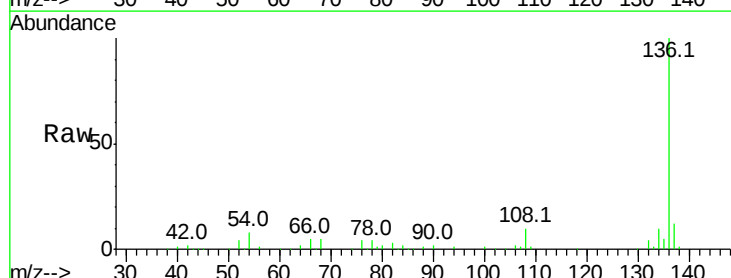
Ion Ratio Lower Upper

136 100

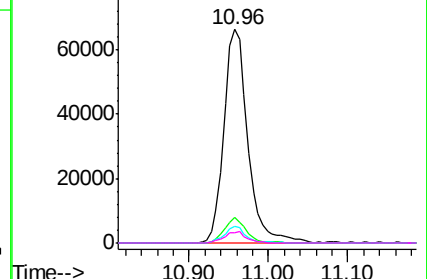
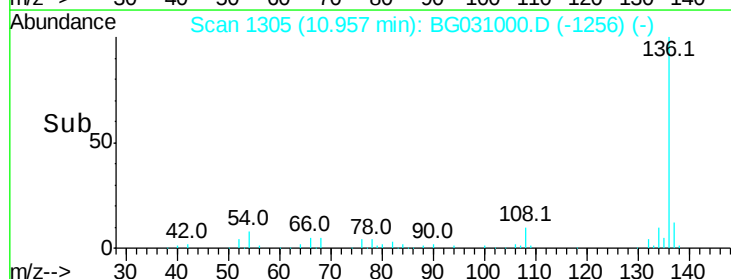
137 12.2 9.2 13.8

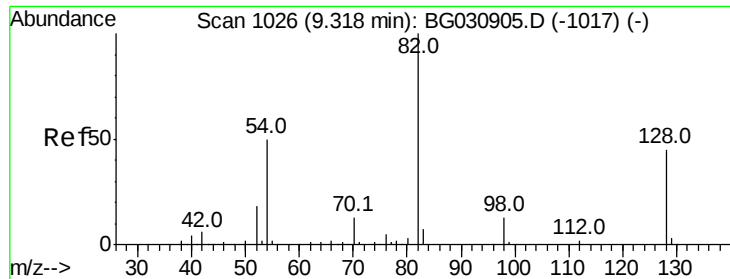
54 8.0 10.3 15.5#

68 4.7 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

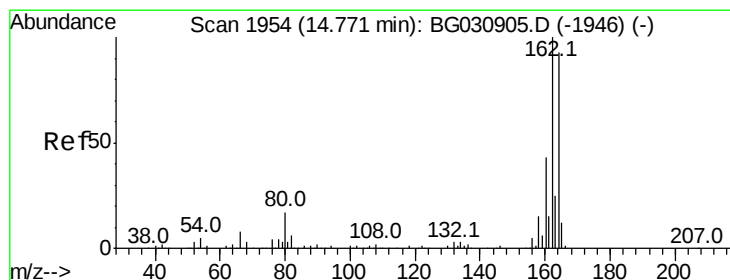
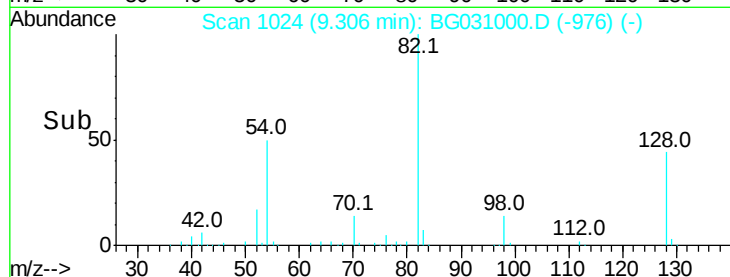
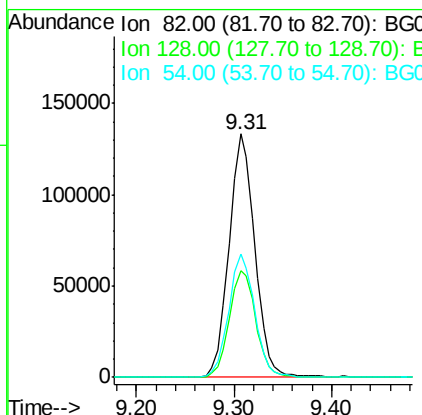
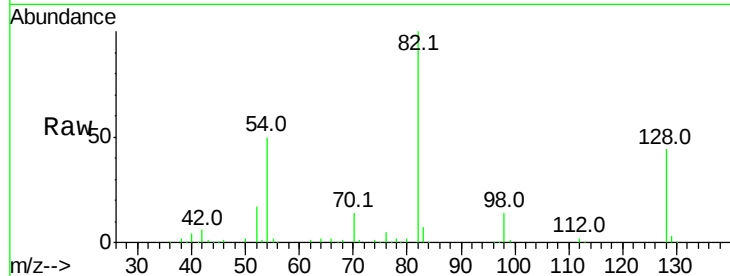




#23  
 Nitrobenzene-d5  
 Concen: 104.691 ng  
 RT: 9.31 min Scan# 1024  
 Delta R.T. -0.02 min  
 Lab File: BG031000.D  
 Acq: 14 Nov 2017 8:28

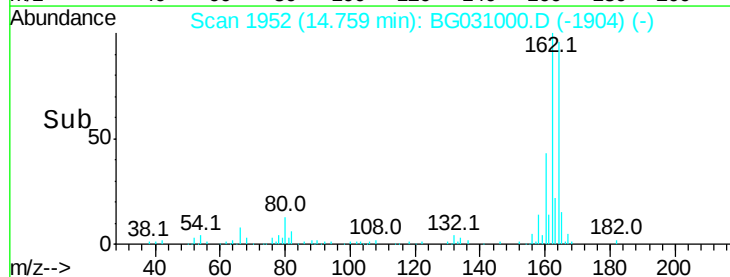
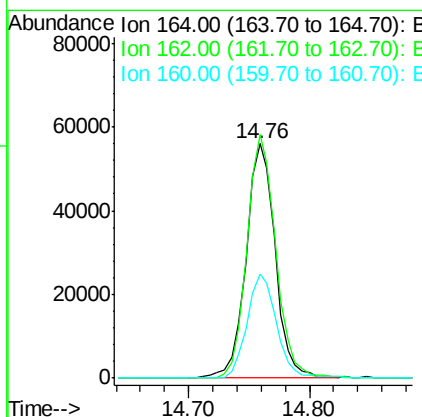
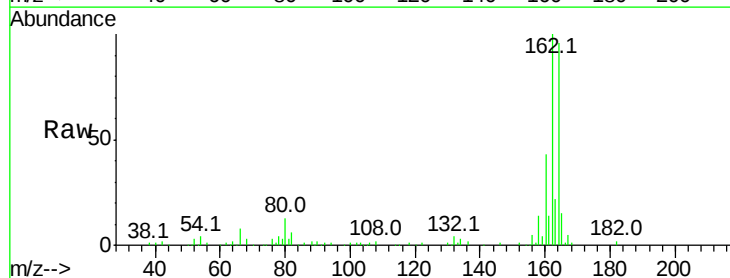
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-11A-11B

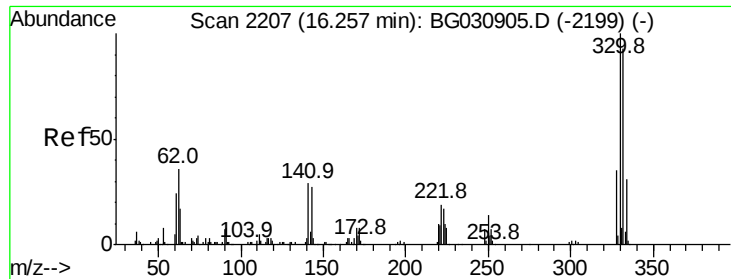
| Tot Ion   | 82    | Resp  | 245545 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 43.9  | 29.7  | 44.5   |
| 54        | 50.5  | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.76 min Scan# 1952  
 Delta R.T. -0.02 min  
 Lab File: BG031000.D  
 Acq: 14 Nov 2017 8:28

| Tgt Ion   | 164   | Resp  | 94385 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 104.0 | 78.8  | 118.2 |
| 160       | 44.3  | 35.4  | 53.0  |

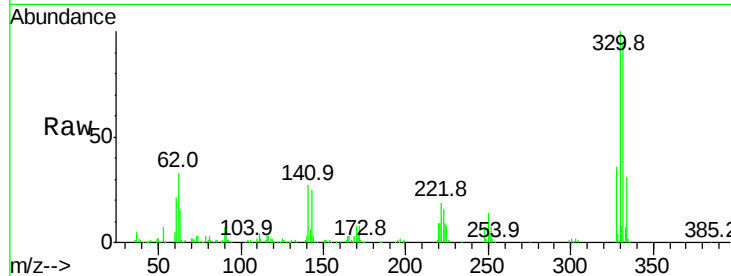




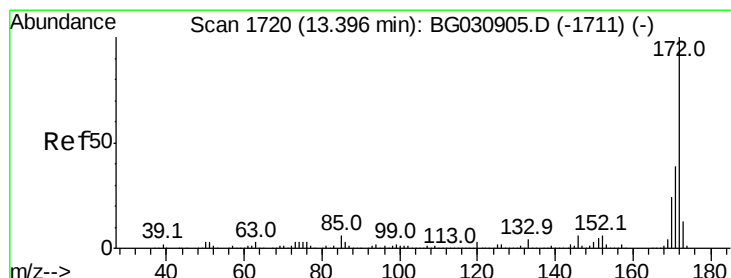
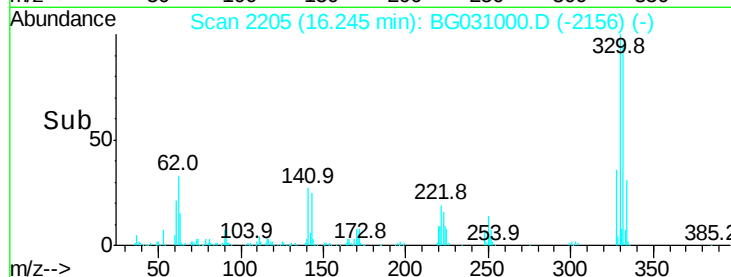
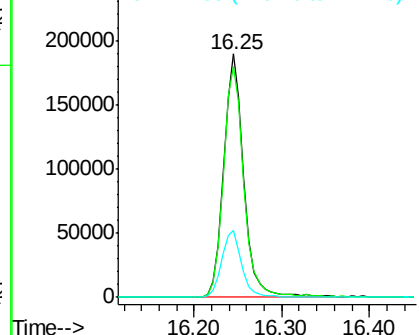
#41  
 2,4,6-Tribromophenol  
 Concen: 196.663 ng  
 RT: 16.25 min Scan# 2205  
 Delta R.T. -0.01 min  
 Lab File: BG031000.D  
 Acq: 14 Nov 2017 8:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-11A-11B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.5  | 77.0  | 115.6 |
| 141     | 27.4  | 25.2  | 37.8  |

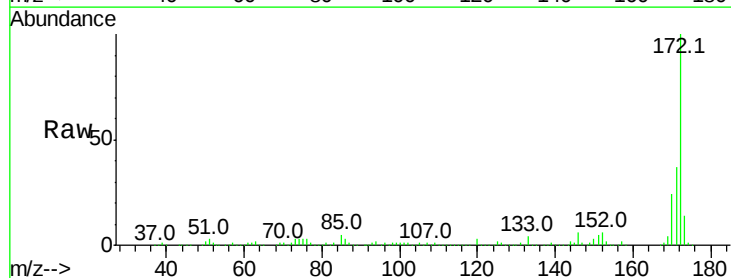


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

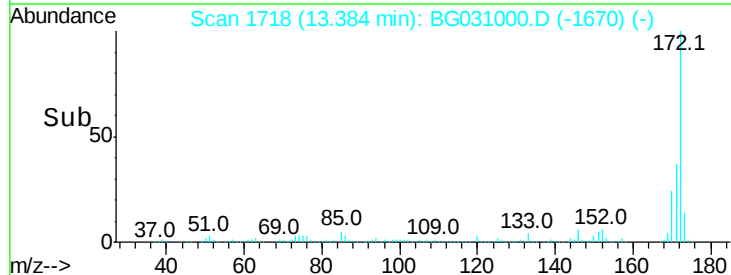
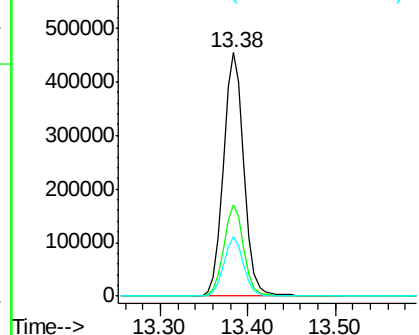


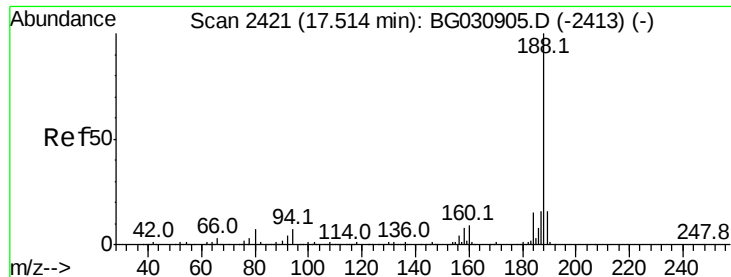
#44  
 2-Fluorobiphenyl  
 Concen: 111.785 ng  
 RT: 13.38 min Scan# 1718  
 Delta R.T. -0.02 min  
 Lab File: BG031000.D  
 Acq: 14 Nov 2017 8:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 30.0  | 45.0  |
| 170     | 24.1  | 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

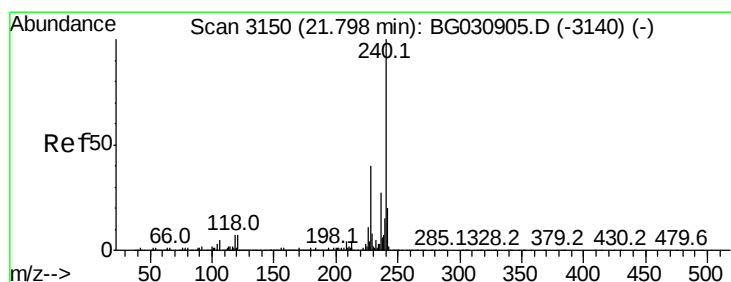
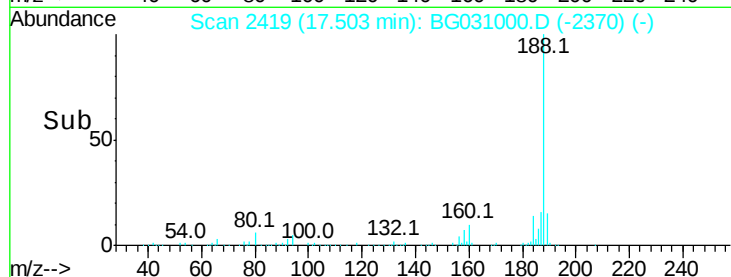
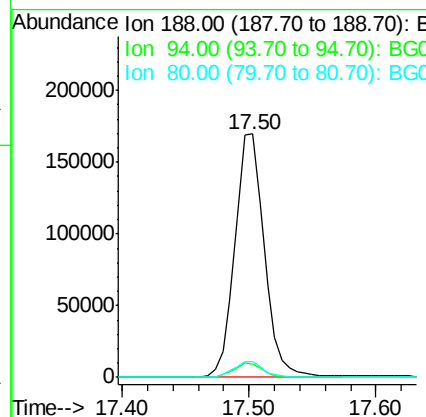
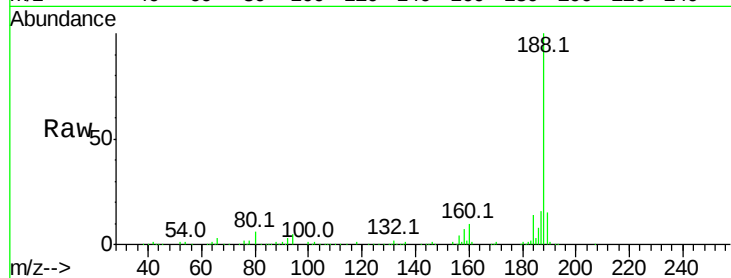




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.50 min Scan# 2419  
Delta R.T. -0.01 min  
Lab File: BG031000.D  
Acq: 14 Nov 2017 8:28

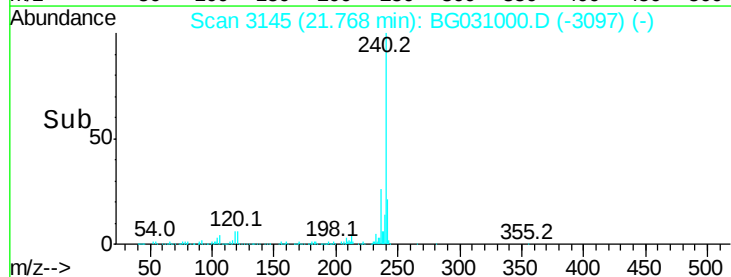
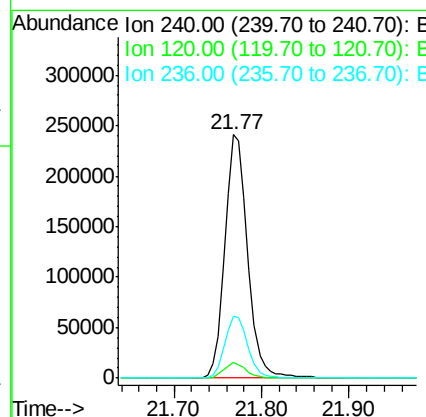
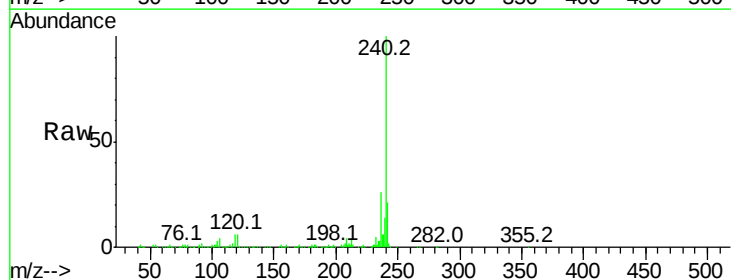
Instrument :  
BNA\_G  
ClientSampleId :  
TP-11A-11B

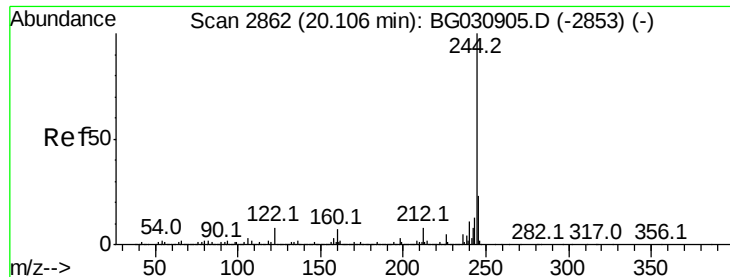
Tot Ion:188 Resp: 272739  
Ion Ratio Lower Upper  
188 100  
94 5.4 6.9 10.3#  
80 6.2 7.7 11.5#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.77 min Scan# 3145  
Delta R.T. -0.02 min  
Lab File: BG031000.D  
Acq: 14 Nov 2017 8:28

Tgt Ion:240 Resp: 433259  
Ion Ratio Lower Upper  
240 100  
120 6.4 6.8 10.2#  
236 25.6 20.9 31.3





#78

Terphenyl-d14

Concen: 95.942 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BG031000.D

Acq: 14 Nov 2017 8:28

Instrument :

BNA\_G

ClientSampled :

TP-11A-11B

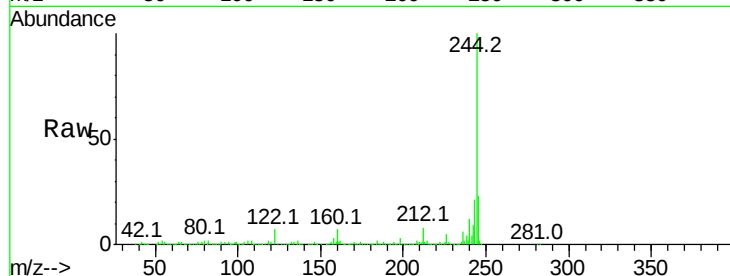
Tot Ion:244 Resp: 1882514

Ion Ratio Lower Upper

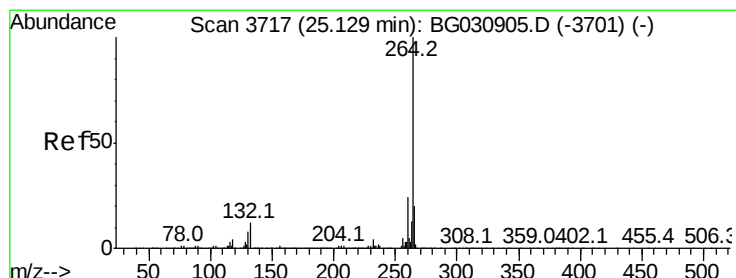
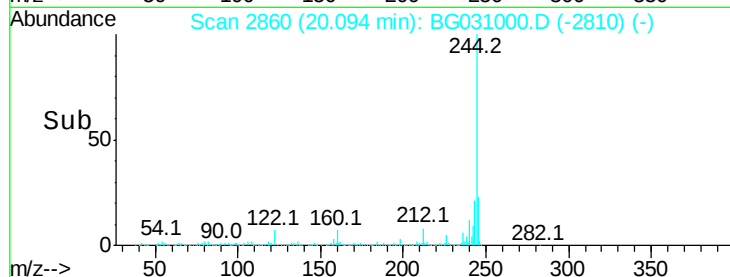
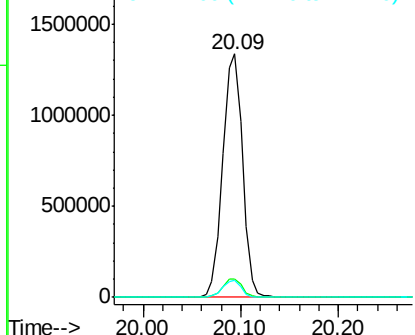
244 100

212 7.8 5.8 8.8

122 6.8 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: 25.08 min Scan# 3708

Delta R.T. -0.02 min

Lab File: BG031000.D

Acq: 14 Nov 2017 8:28

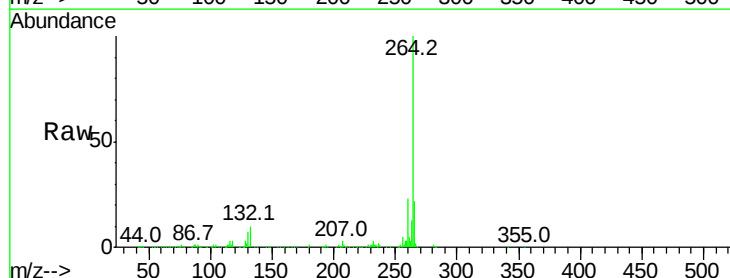
Tgt Ion:264 Resp: 430425

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 22.1 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

