

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111317\  
 Data File : BG030975.D  
 Acq On : 13 Nov 2017 16:24  
 Operator : SJ/JU  
 Sample : I6301-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-A

Quant Time: Nov 14 05:38:20 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

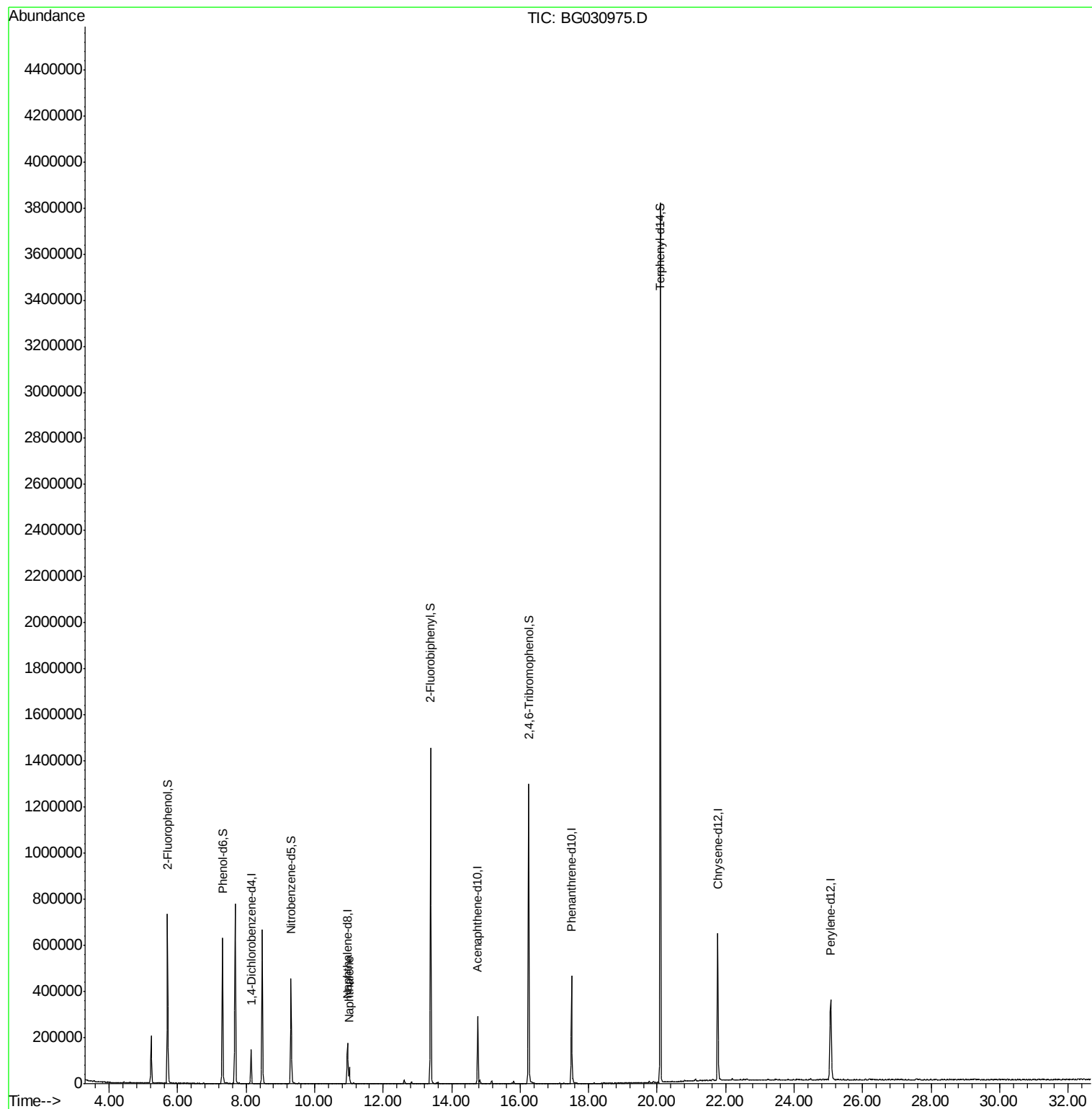
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.14  | 152  | 41612    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 10.96 | 136  | 168859   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 14.76 | 164  | 108629   | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10        | 17.50 | 188  | 309398   | 20.00  | ng    | -0.02     |
| 75) Chrysene-d12            | 21.77 | 240  | 445553   | 20.00  | ng    | -0.02     |
| 86) Perylene-d12            | 25.07 | 264  | 440154   | 20.00  | ng    | -0.02     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.71  | 112  | 345878   | 142.53 | ng    | 0.00      |
| 7) Phenol-d6                | 7.31  | 99   | 384476   | 117.60 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.31  | 82   | 293201   | 102.89 | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 317386   | 180.61 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 814725   | 107.77 | ng    | -0.02     |
| 78) Terphenyl-d14           | 20.09 | 244  | 1888630  | 93.60  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 11.01 | 128  | 63933    | 7.702  | ng    | Qvalue 96 |

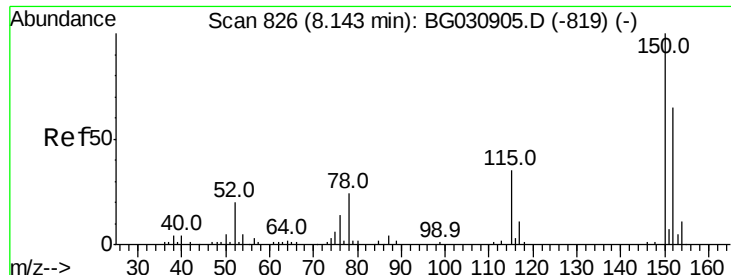
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111317\  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-A

Quant Time: Nov 14 05:38:20 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



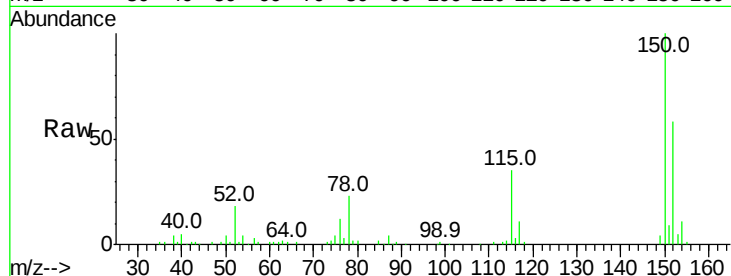


#1

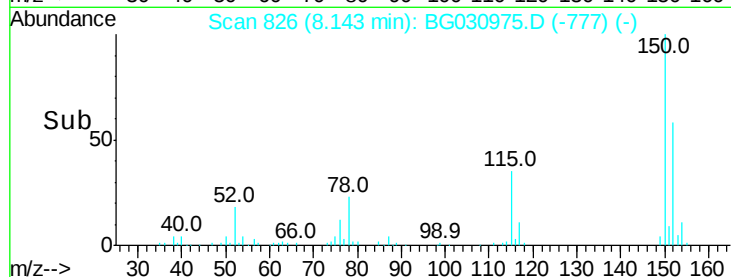
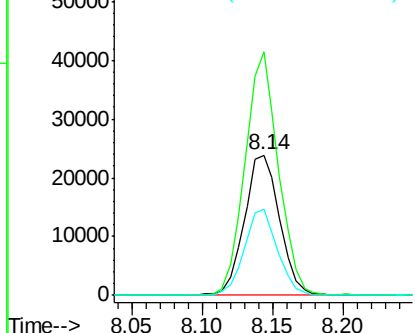
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.14 min Scan# 826  
Delta R.T. -0.01 min  
Lab File: BG030975.D  
Acq: 13 Nov 2017 16:24

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-A

Tot Ion:152 Resp: 41612  
Ion Ratio Lower Upper  
152 100  
150 173.3 126.6 189.8  
115 61.0 53.0 79.4



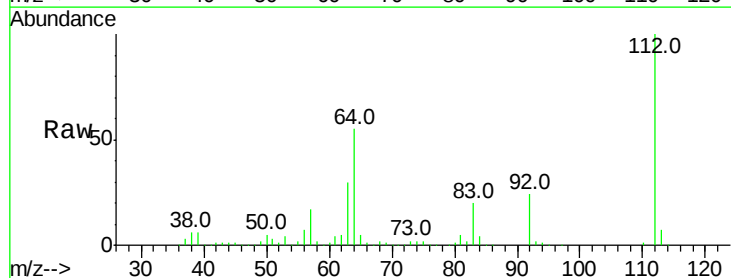
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



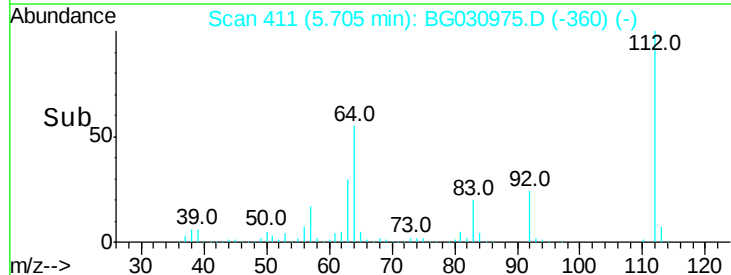
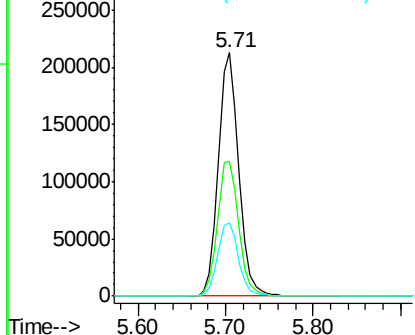
#5

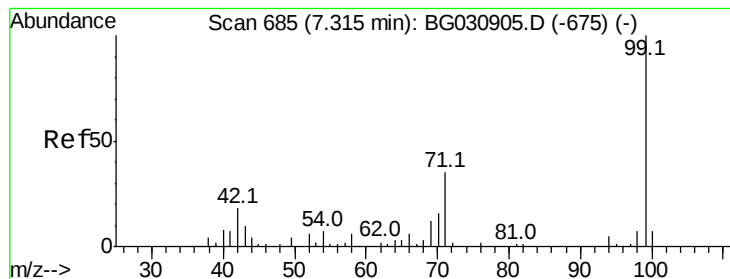
2-Fluorophenol  
Concen: 142.530 ng  
RT: 5.71 min Scan# 411  
Delta R.T. -0.00 min  
Lab File: BG030975.D  
Acq: 13 Nov 2017 16:24

Tgt Ion:112 Resp: 345878  
Ion Ratio Lower Upper  
112 100  
64 55.3 56.3 84.5#  
63 30.3 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: 117.602 ng

RT: 7.31 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG030975.D

Acq: 13 Nov 2017 16:24

Instrument :

BNA\_G

ClientSampleId :

JC-02-110917-A

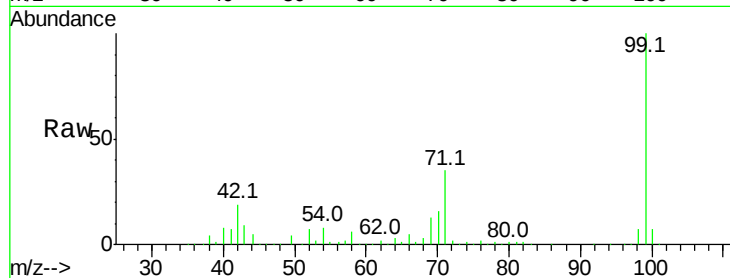
Tot Ion: 99 Resp: 384476

Ion Ratio Lower Upper

99 100

42 18.7 14.1 21.1

71 35.3 26.1 39.1

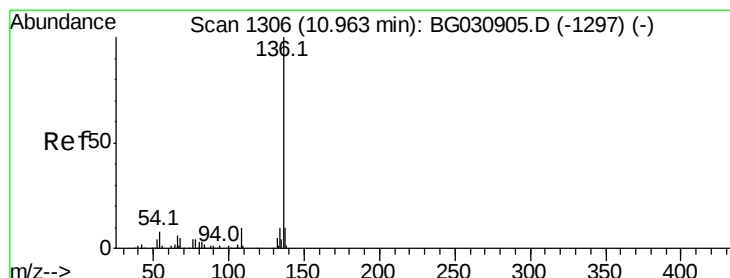
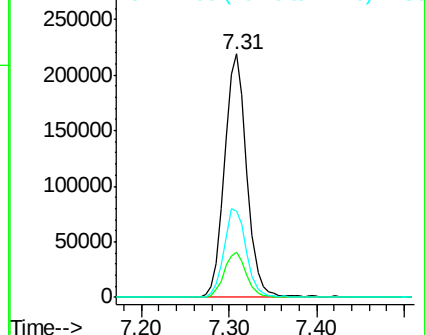
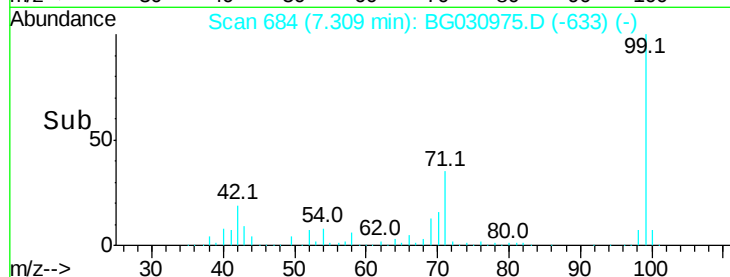


Abundance

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: BG030975.D

Acq: 13 Nov 2017 16:24

Tgt Ion: 136 Resp: 168859

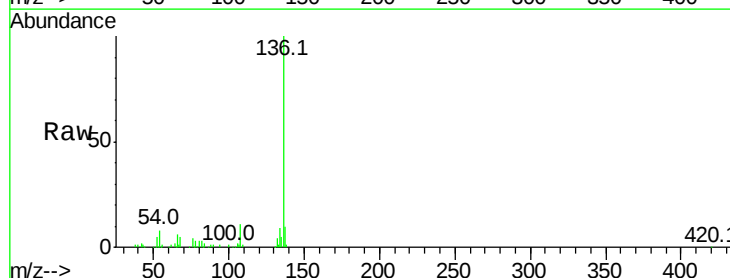
Ion Ratio Lower Upper

136 100

137 10.5 9.2 13.8

54 8.1 10.3 15.5#

68 5.2 4.5 6.7



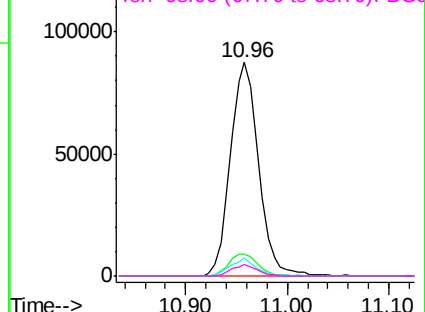
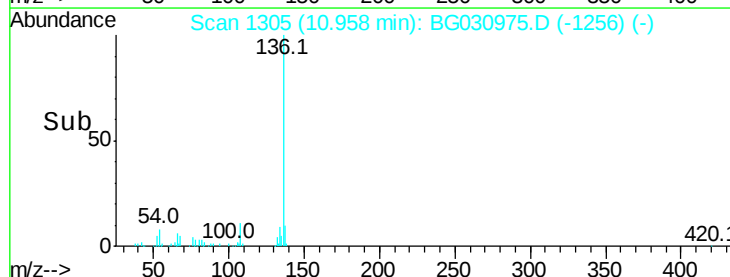
Abundance

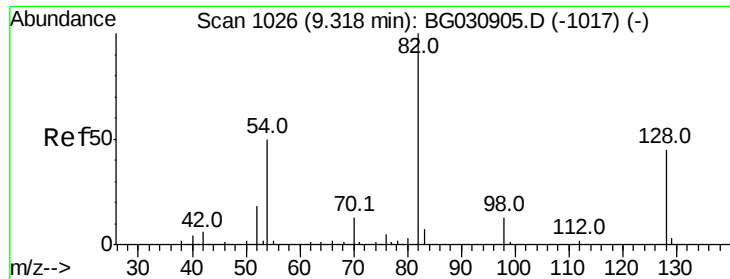
Ion 136.00 (135.70 to 136.70): BGC

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

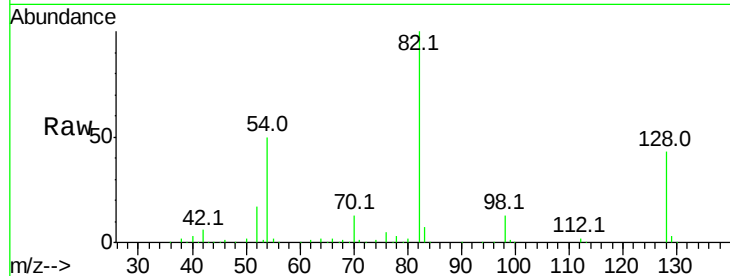




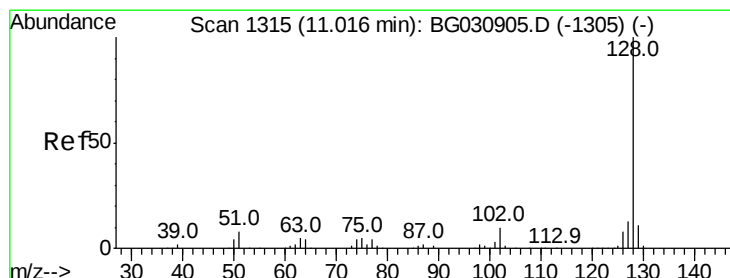
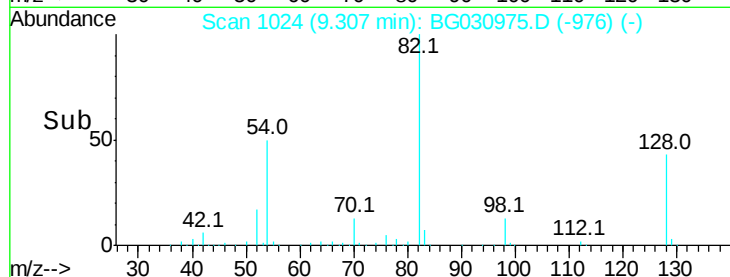
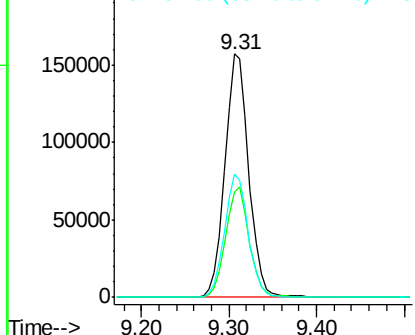
#23  
 Nitrobenzene-d5  
 Concen: 102.891 ng  
 RT: 9.31 min Scan# 1024  
 Delta R.T. -0.02 min  
 Lab File: BG030975.D  
 Acq: 13 Nov 2017 16:24

Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-A

Tot Ion: 82 Resp: 293201  
 Ion Ratio Lower Upper  
 82 100  
 128 43.1 29.7 44.5  
 54 50.4 43.1 64.7

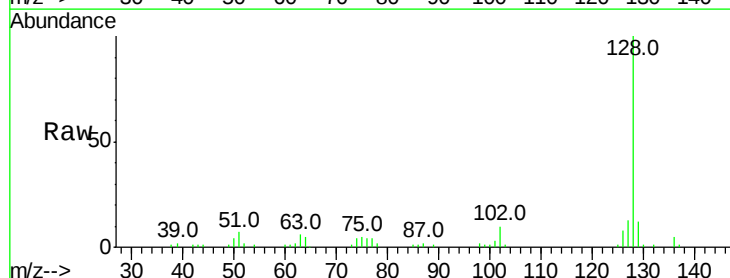


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

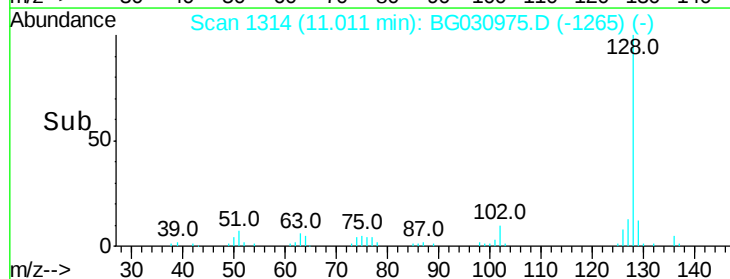
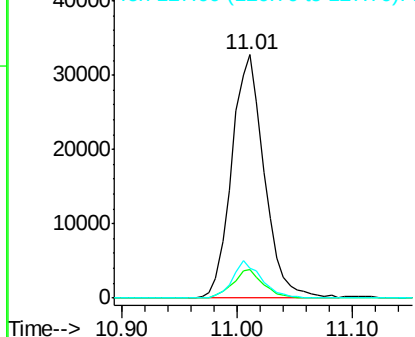


#31  
 Naphthalene  
 Concen: 7.702 ng  
 RT: 11.01 min Scan# 1314  
 Delta R.T. -0.01 min  
 Lab File: BG030975.D  
 Acq: 13 Nov 2017 16:24

Tgt Ion: 128 Resp: 63933  
 Ion Ratio Lower Upper  
 128 100  
 129 11.9 8.6 12.8  
 127 12.5 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: 14.76 min Scan# 1952

Delta R.T. -0.02 min

Lab File: BG030975.D

Acq: 13 Nov 2017 16:24

Instrument :

BNA\_G

ClientSampleId :

JC-02-110917-A

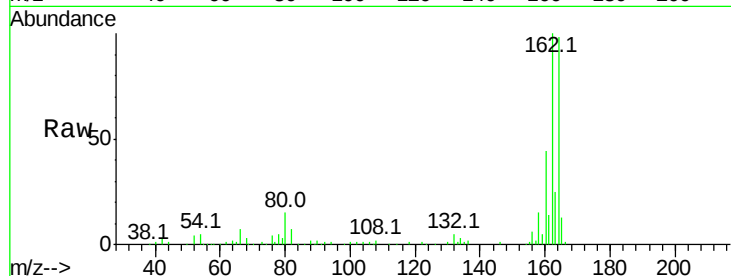
Tot Ion:164 Resp: 108629

Ion Ratio Lower Upper

164 100

162 101.6 78.8 118.2

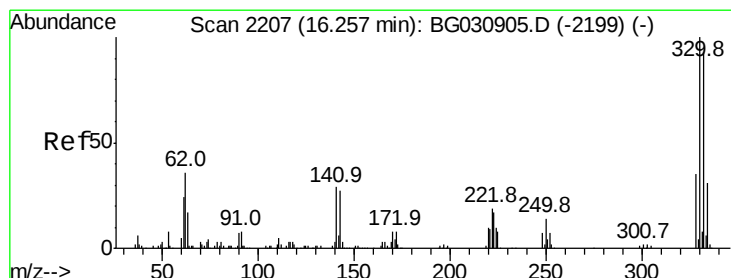
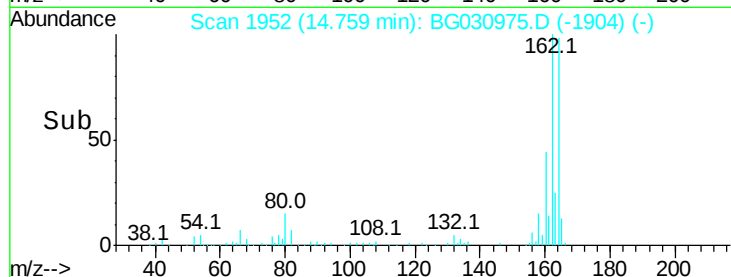
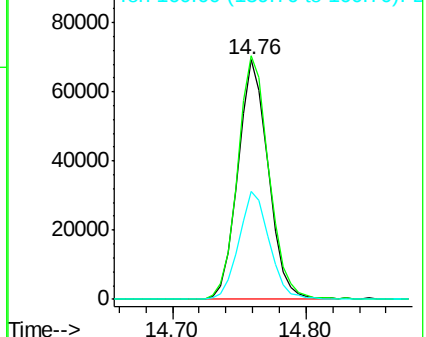
160 44.9 35.4 53.0



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: 180.614 ng

RT: 16.25 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BG030975.D

Acq: 13 Nov 2017 16:24

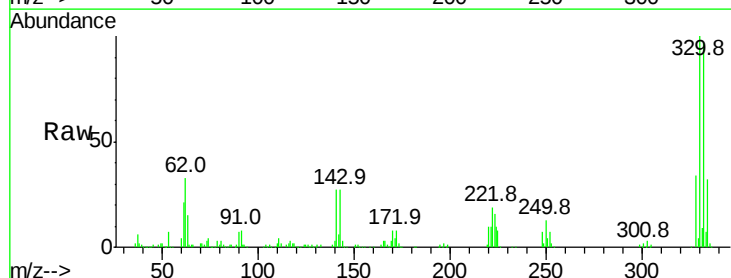
Tgt Ion:330 Resp: 317386

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

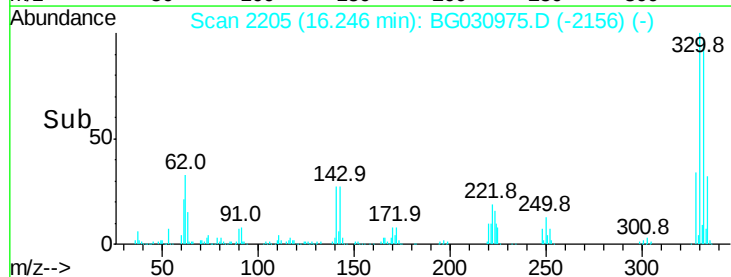
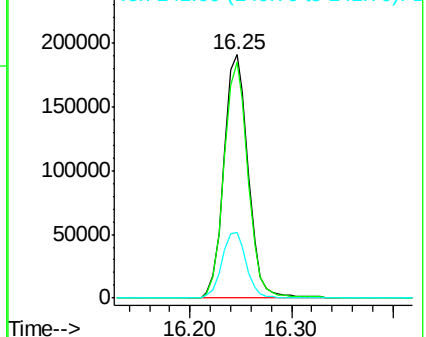
141 27.3 25.2 37.8

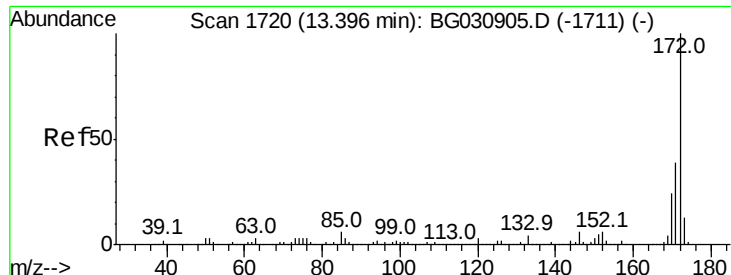


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

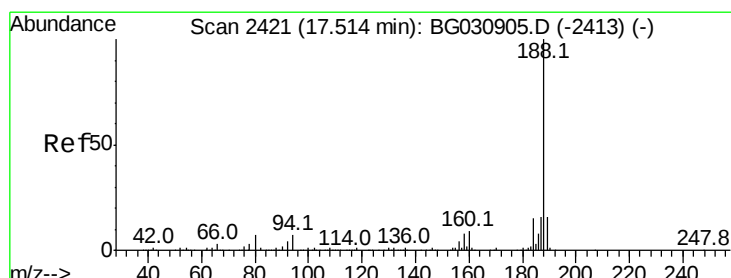
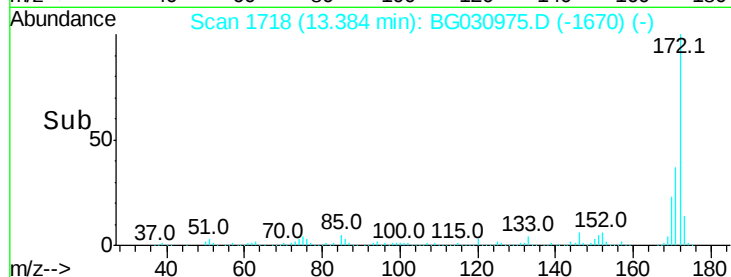
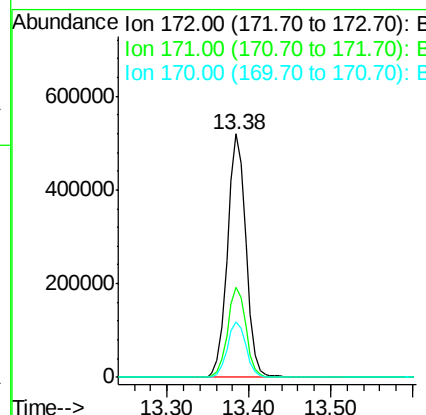
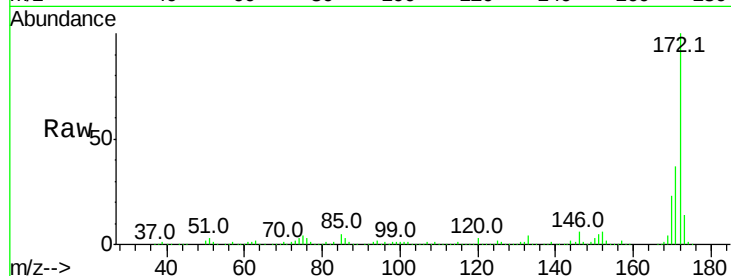




#44  
 2-Fluorobiphenyl  
 Concen: 107.768 ng  
 RT: 13.38 min Scan# 1718  
 Delta R.T. -0.02 min  
 Lab File: BG030975.D  
 Acq: 13 Nov 2017 16:24

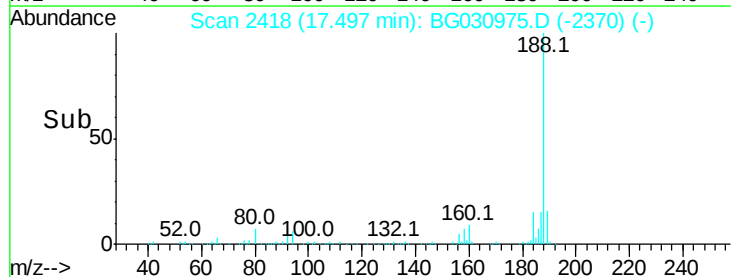
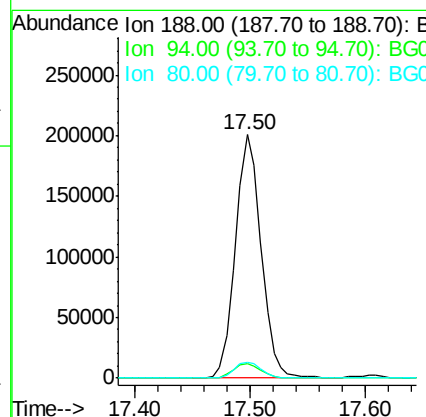
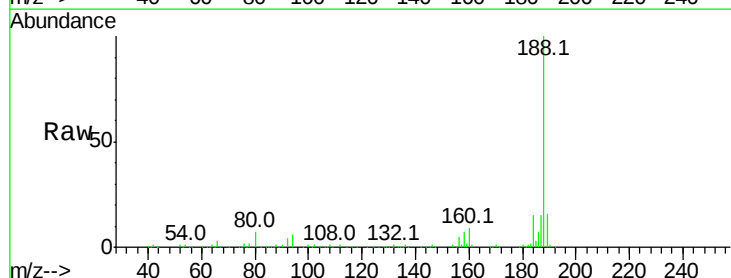
Instrument :  
 BNA\_G  
 ClientSampleId :  
 JC-02-110917-A

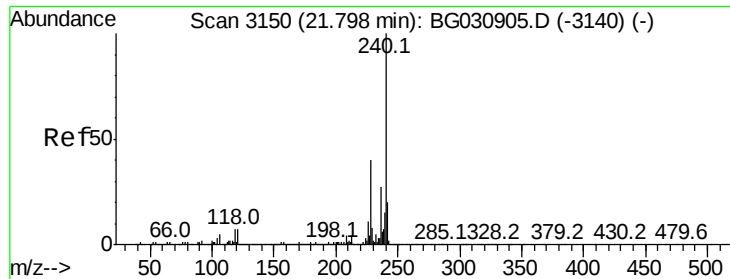
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 30.0  | 45.0  |
| 170     | 22.9  | 19.5  | 29.3  |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.50 min Scan# 2418  
 Delta R.T. -0.02 min  
 Lab File: BG030975.D  
 Acq: 13 Nov 2017 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.9   | 6.9   | 10.3# |
| 80      | 6.6   | 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: BG030975.D

Acq: 13 Nov 2017 16:24

Instrument :

BNA\_G

ClientSampleId :

JC-02-110917-A

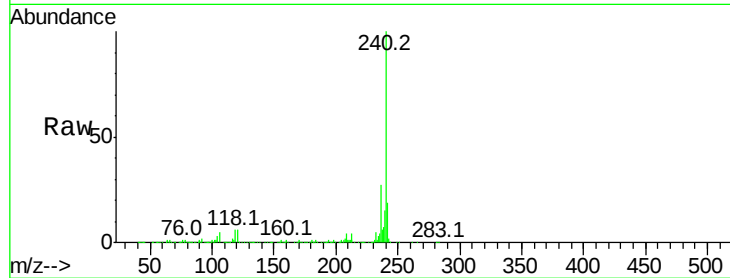
Tot Ion:240 Resp: 445553

Ion Ratio Lower Upper

240 100

120 6.3 6.8 10.2#

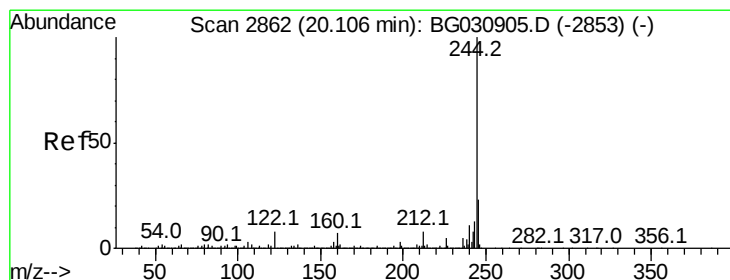
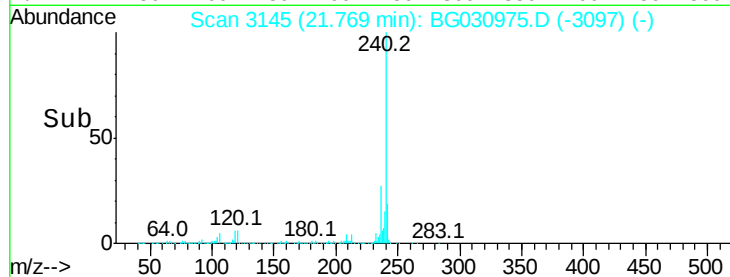
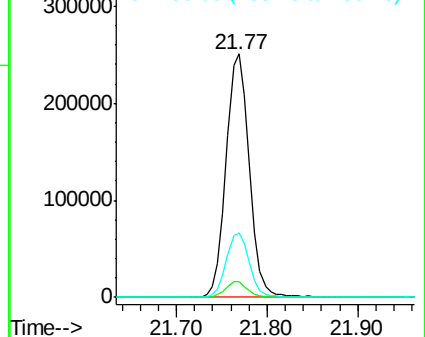
236 26.6 20.9 31.3



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: 93.597 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG030975.D

Acq: 13 Nov 2017 16:24

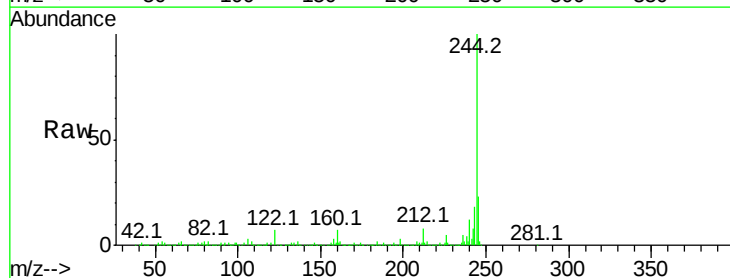
Tgt Ion:244 Resp: 1888630

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

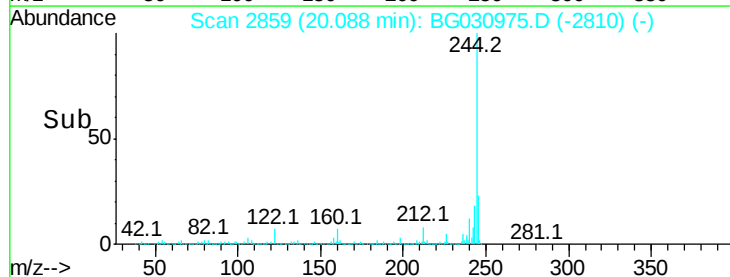
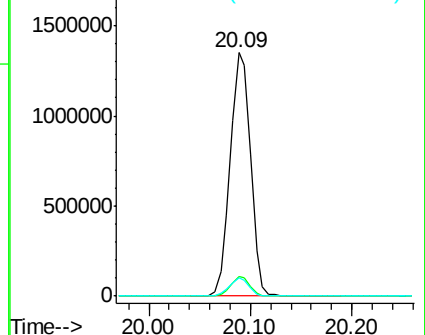
122 7.5 7.0 10.4



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

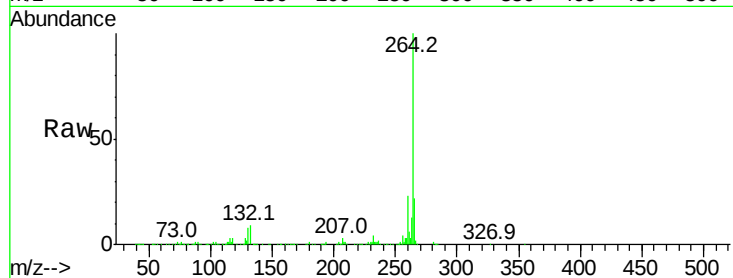




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.07 min Scan# 3707  
Delta R.T. -0.02 min  
Lab File: BG030975.D  
Acq: 13 Nov 2017 16:24

Instrument :  
BNA\_G  
ClientSampleId :  
JC-02-110917-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 17.4  | 26.0  |
| 265     | 21.7  | 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

