

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\  
 Data File : BG032683.D  
 Acq On : 14 Feb 2018 16:22  
 Operator : SJ/JU  
 Sample : J1539-04  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MAIN-ST-LINE-2-EW@4

Quant Time: Feb 15 03:45:39 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 12 18:08:01 2018  
 Response via : Initial Calibration

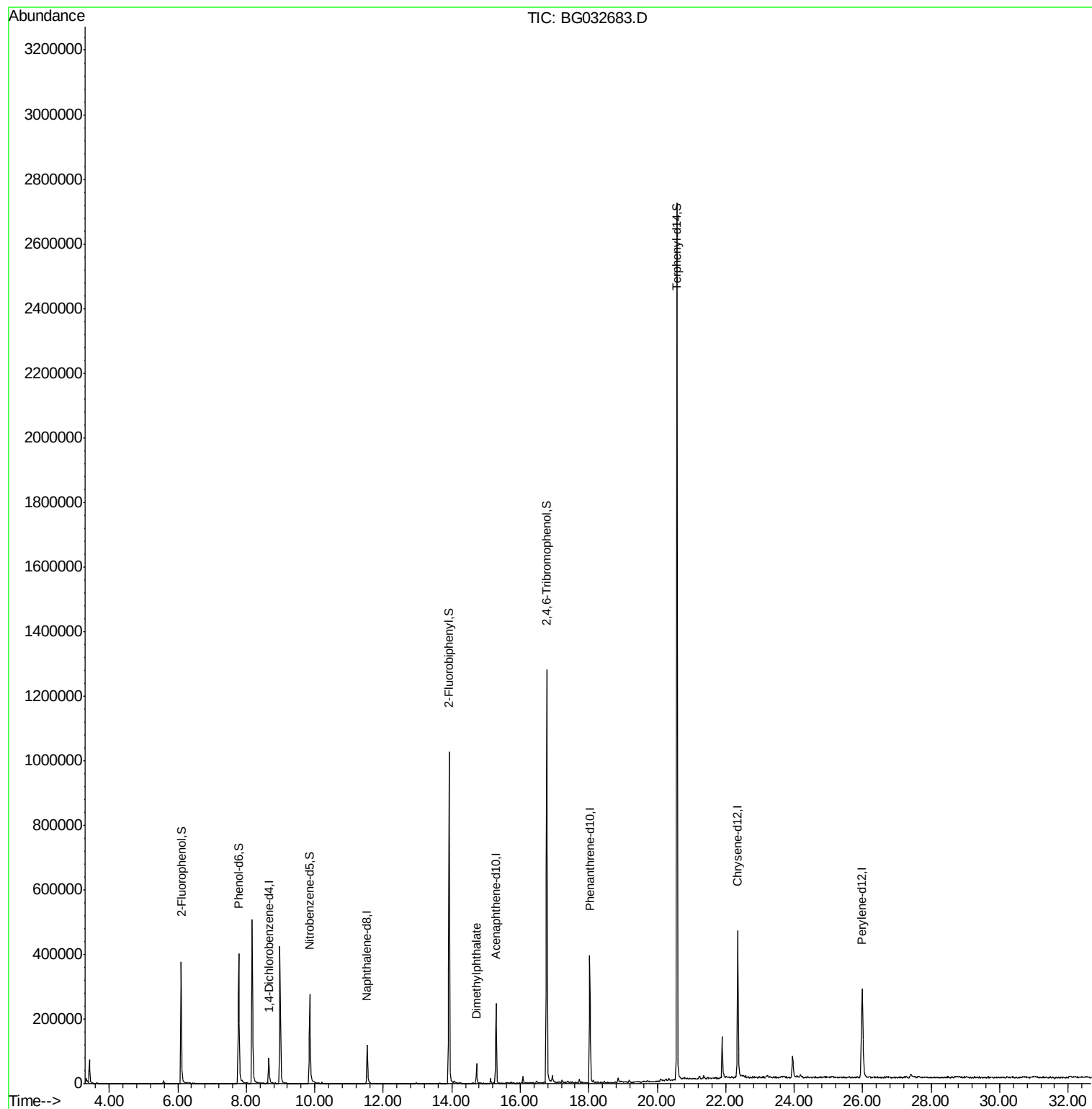
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.66  | 152  | 30634    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 11.53 | 136  | 124119   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 15.29 | 164  | 99274    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 18.03 | 188  | 291252   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 22.35 | 240  | 370300   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 25.99 | 264  | 382086   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.10  | 112  | 193368   | 126.64 | ng    | -0.02    |
| 7) Phenol-d6                | 7.78  | 99   | 276267   | 132.32 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.85  | 82   | 194127   | 99.40  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.77 | 330  | 278055   | 181.90 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.92 | 172  | 637025   | 80.24  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.57 | 244  | 1465434  | 90.20  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 14.72 | 163  | 48422    | 5.643  | ng    | 98       |

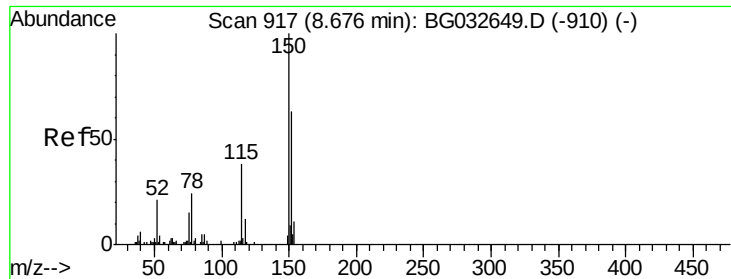
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 12 18:08:01 2018  
Response via : Initial Calibration



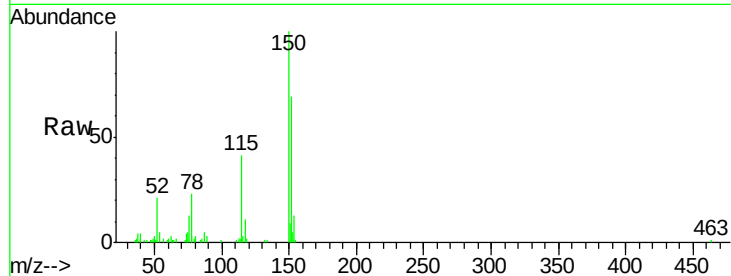


#1

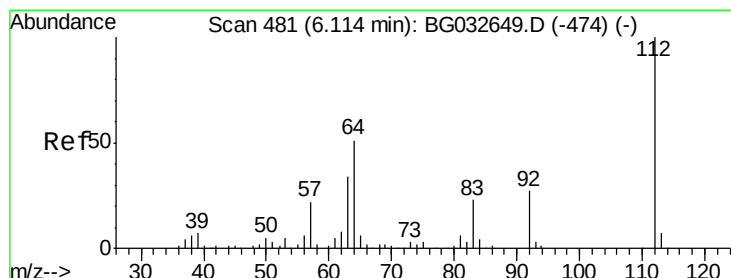
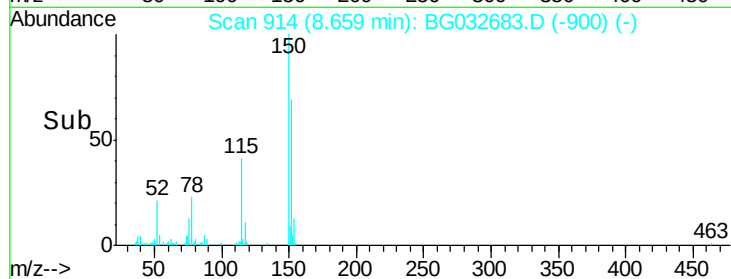
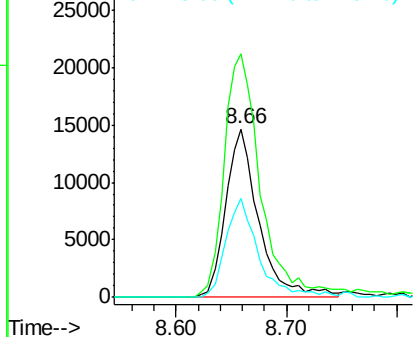
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.66 min Scan# 914  
Delta R.T. -0.02 min  
Lab File: BG032683.D  
Acq: 14 Feb 2018 16:22

Instrument :  
BNA\_G  
ClientSampleId :  
MAIN-ST-LINE-2-EW@4

Tot Ion:152 Resp: 30634  
Ion Ratio Lower Upper  
152 100  
150 144.8 126.6 189.8  
115 59.0 53.0 79.4



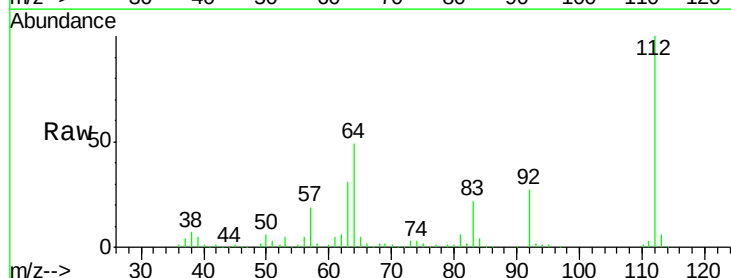
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



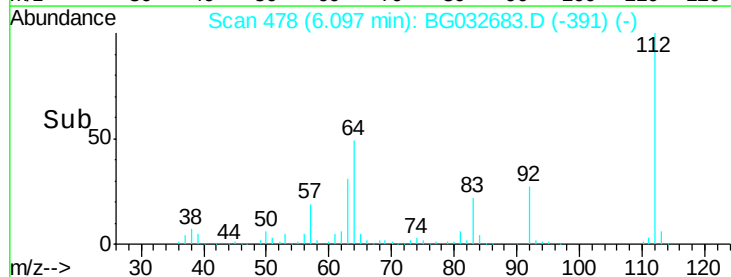
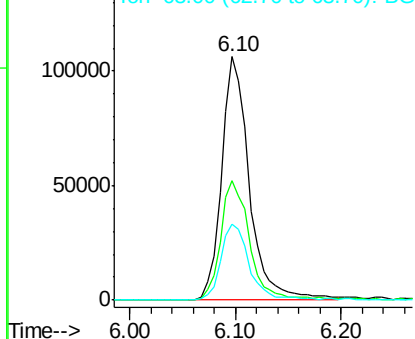
#5

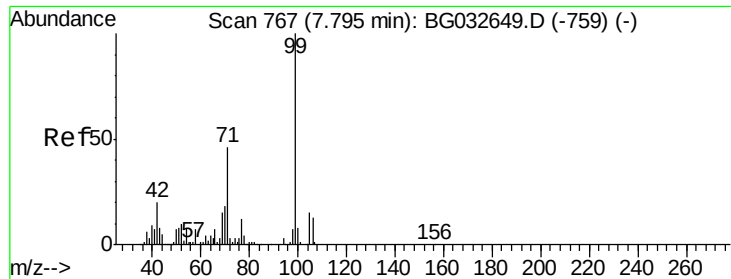
2-Fluorophenol  
Concen: 126.645 ng  
RT: 6.10 min Scan# 478  
Delta R.T. -0.02 min  
Lab File: BG032683.D  
Acq: 14 Feb 2018 16:22

Tgt Ion:112 Resp: 193368  
Ion Ratio Lower Upper  
112 100  
64 49.0 56.3 84.5#  
63 31.1 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: 132.324 ng

RT: 7.78 min Scan# 764

Delta R.T. -0.02 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

Instrument :

BNA\_G

ClientSampleId :

MAIN-ST-LINE-2-EW@4

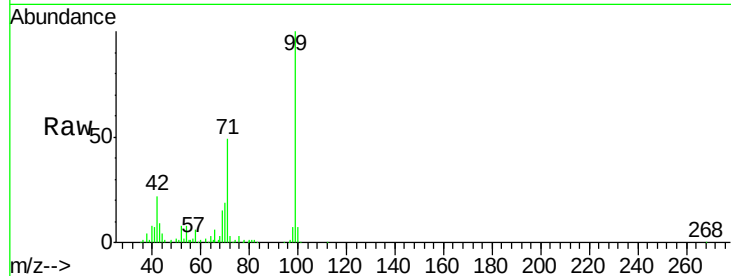
Tot Ion: 99 Resp: 276267

Ion Ratio Lower Upper

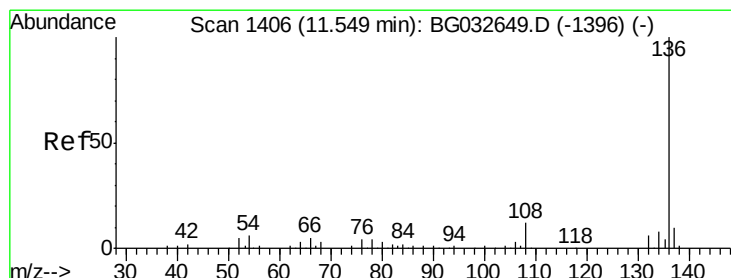
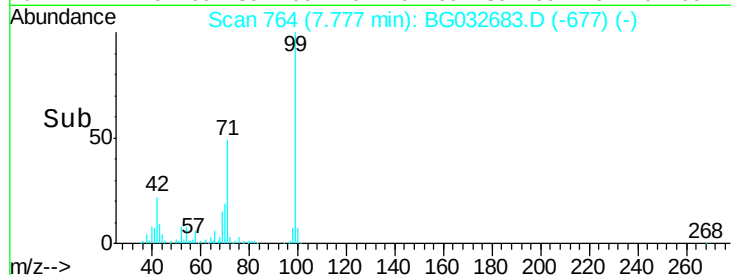
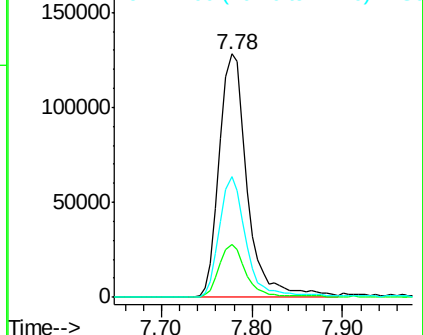
99 100

42 21.5 14.1 21.1#

71 49.3 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: 11.53 min Scan# 1403

Delta R.T. -0.02 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

Tgt Ion: 136 Resp: 124119

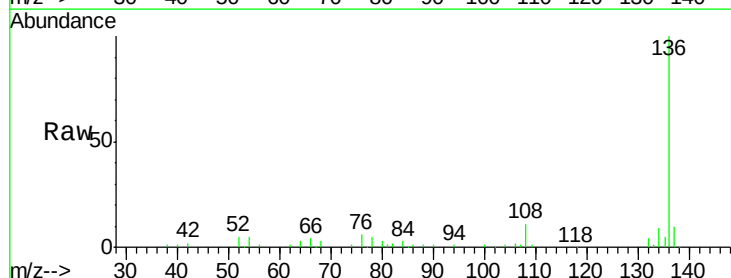
Ion Ratio Lower Upper

136 100

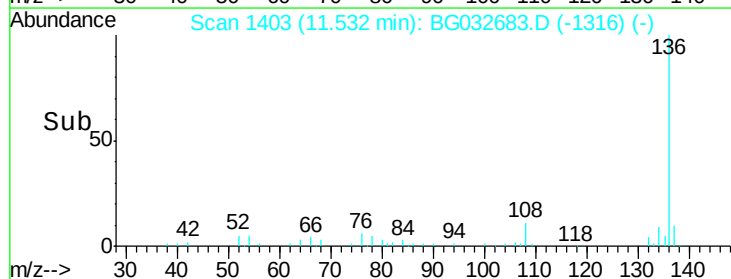
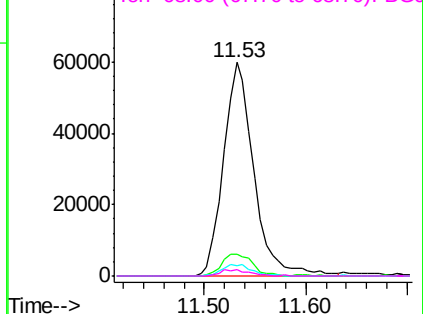
137 10.2 9.2 13.8

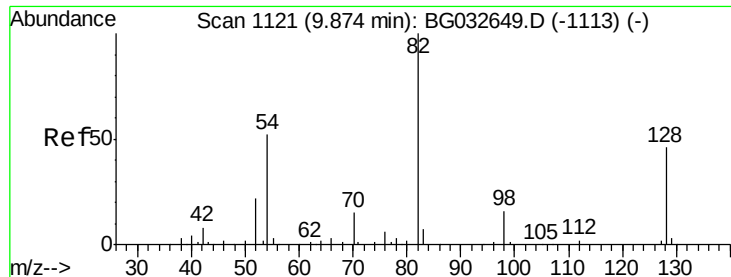
54 5.0 10.3 15.5#

68 3.3 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

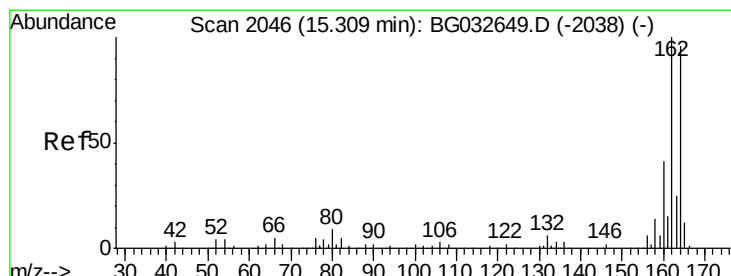
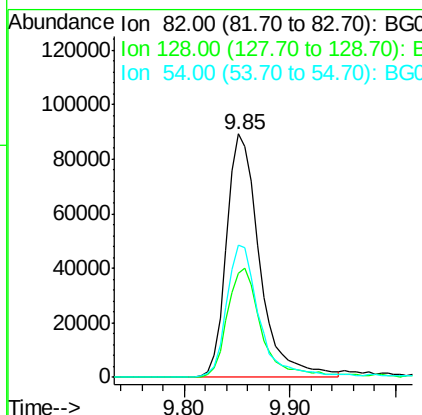
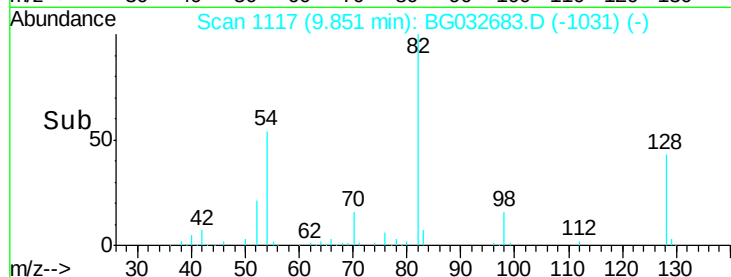
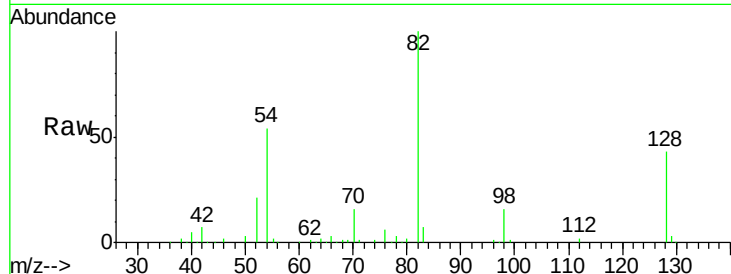




#23  
Nitrobenzene-d5  
Concen: 99.403 ng  
RT: 9.85 min Scan# 1117  
Delta R.T. -0.02 min  
Lab File: BG032683.D  
Acq: 14 Feb 2018 16:22

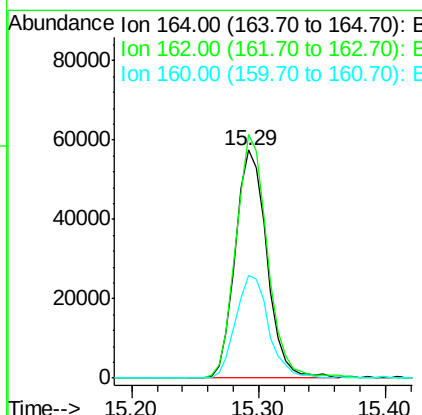
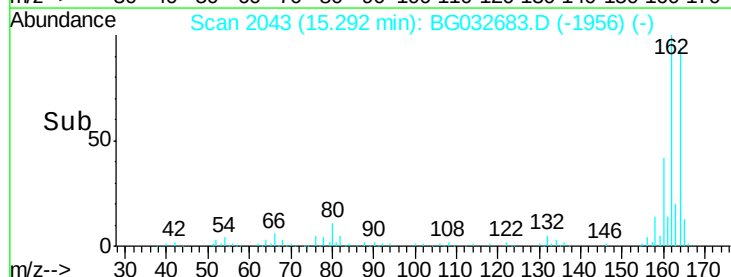
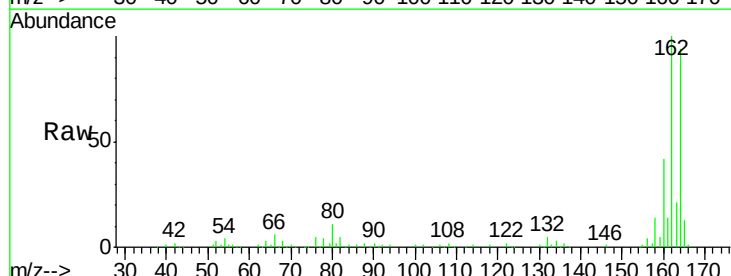
Instrument :  
BNA\_G  
ClientSampleId :  
MAIN-ST-LINE-2-EW@4

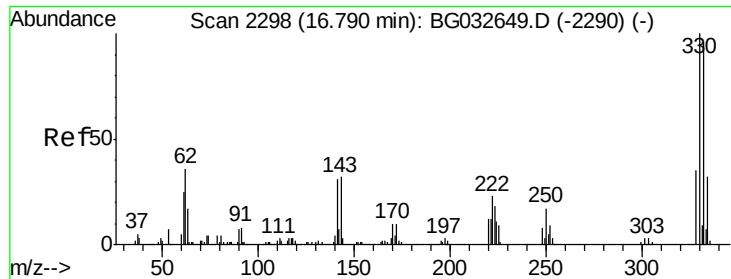
| Tot Ion   | 82   | Resp  | 194127 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 42.9 | 29.7  | 44.5   |
| 54        | 54.1 | 43.1  | 64.7   |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.29 min Scan# 2043  
Delta R.T. -0.02 min  
Lab File: BG032683.D  
Acq: 14 Feb 2018 16:22

| Tgt Ion   | 164   | Resp  | 99274 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 162       | 106.8 | 78.8  | 118.2 |
| 160       | 45.2  | 35.4  | 53.0  |

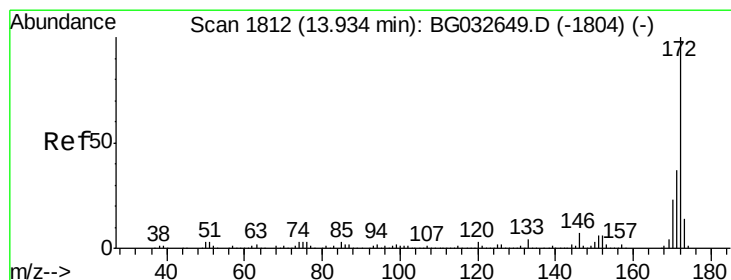
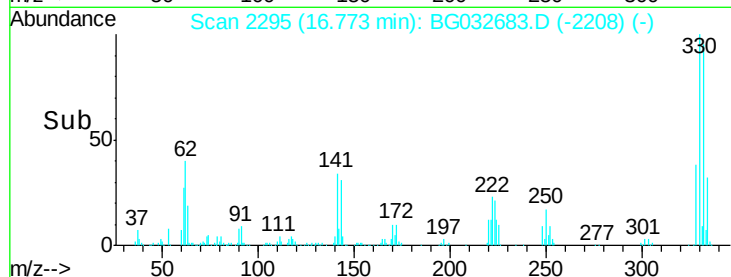
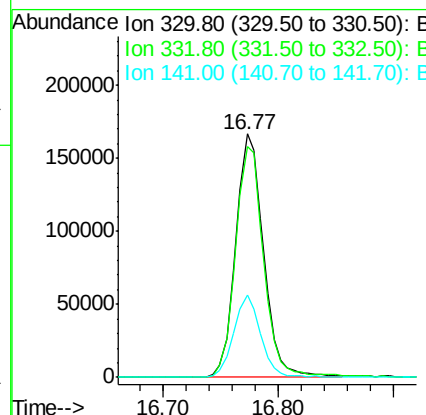
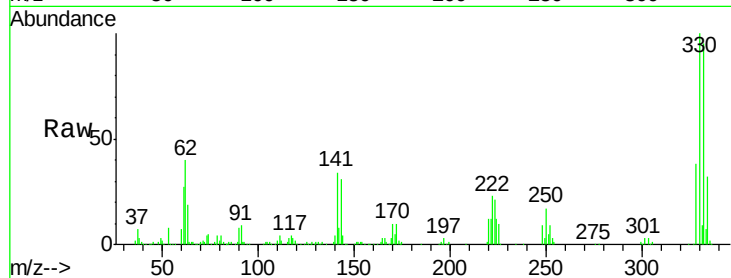




#41  
 2,4,6-Tribromophenol  
 Concen: 181.900 ng  
 RT: 16.77 min Scan# 2295  
 Delta R.T. -0.02 min  
 Lab File: BG032683.D  
 Acq: 14 Feb 2018 16:22

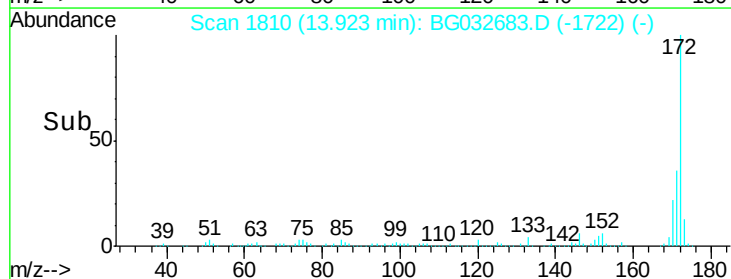
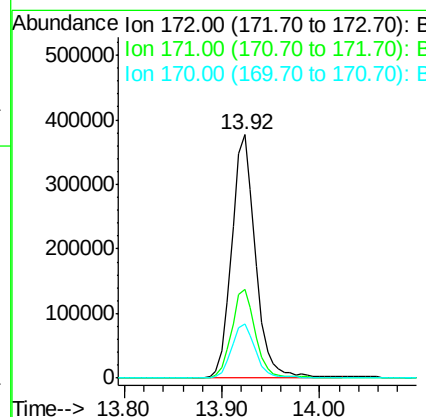
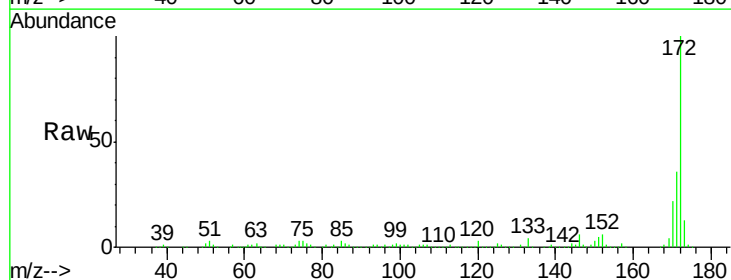
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MAIN-ST-LINE-2-EW@4

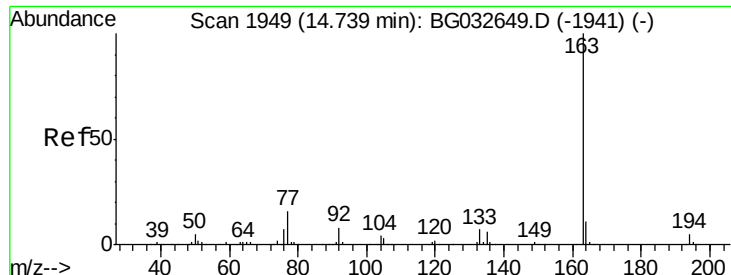
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.4  | 77.0  | 115.6 |
| 141     | 32.9  | 25.2  | 37.8  |



#44  
 2-Fluorobiphenyl  
 Concen: 80.244 ng  
 RT: 13.92 min Scan# 1810  
 Delta R.T. -0.01 min  
 Lab File: BG032683.D  
 Acq: 14 Feb 2018 16:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 30.0  | 45.0  |
| 170     | 22.2  | 19.5  | 29.3  |





#49

Dimethylphthalate

Concen: 5.643 ng

RT: 14.72 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

Instrument :

BNA\_G

ClientSampleId :

MAIN-ST-LINE-2-EW@4

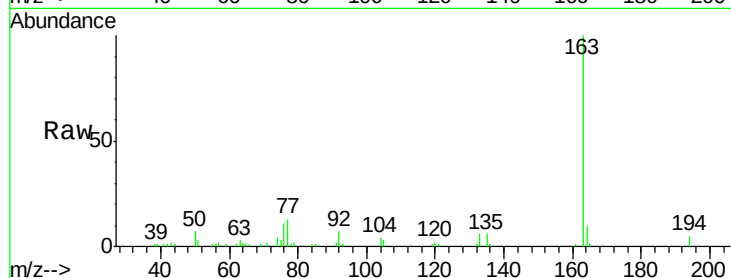
Tot Ion:163 Resp: 48422

Ion Ratio Lower Upper

163 100

194 4.8 3.4 5.2

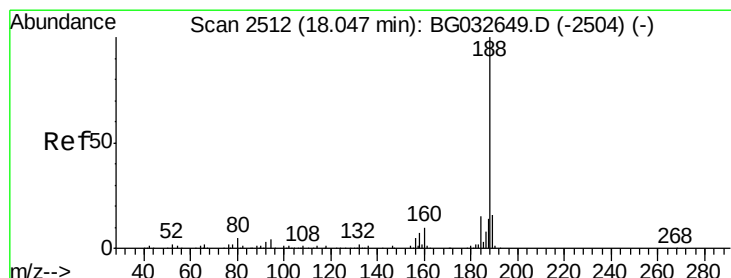
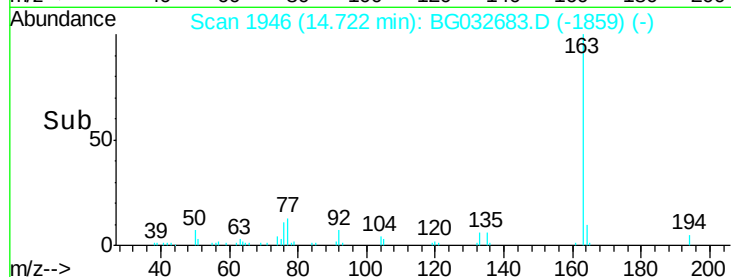
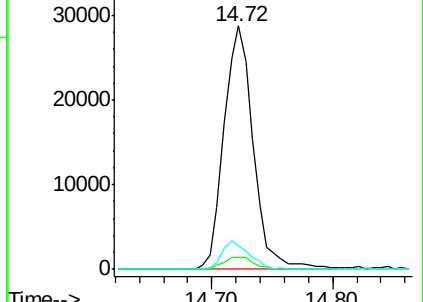
164 9.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.03 min Scan# 2509

Delta R.T. -0.02 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

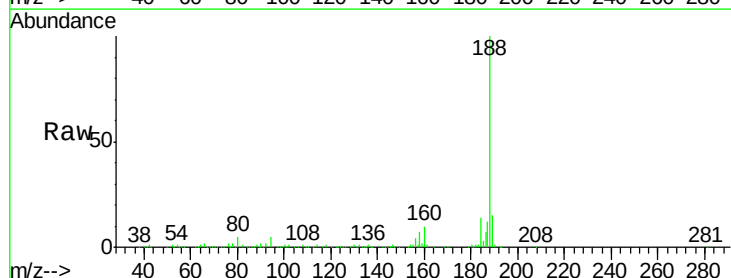
Tgt Ion:188 Resp: 291252

Ion Ratio Lower Upper

188 100

94 4.6 6.9 10.3#

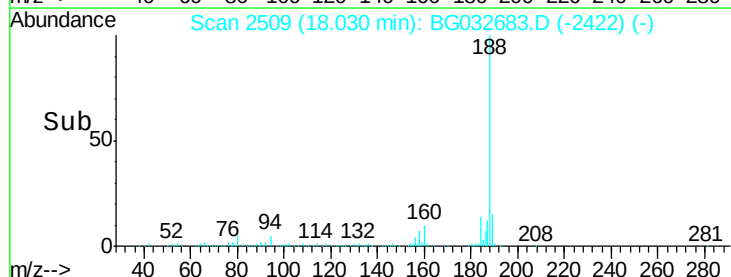
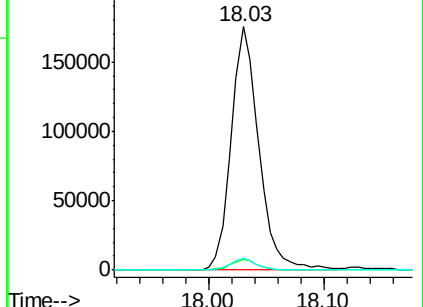
80 4.7 7.7 11.5#

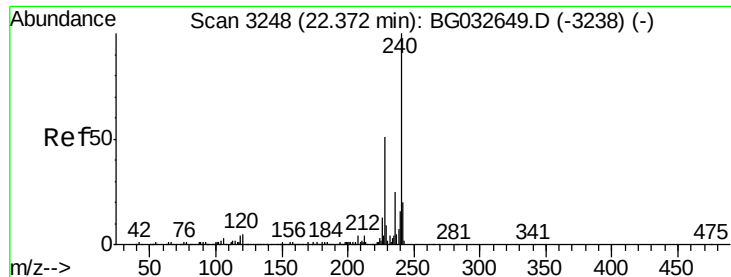


Abundance Ion 188.00 (187.70 to 188.70): E

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: 22.35 min Scan# 3245

Delta R.T. -0.02 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

Instrument :

BNA\_G

ClientSampleId :

MAIN-ST-LINE-2-EW@4

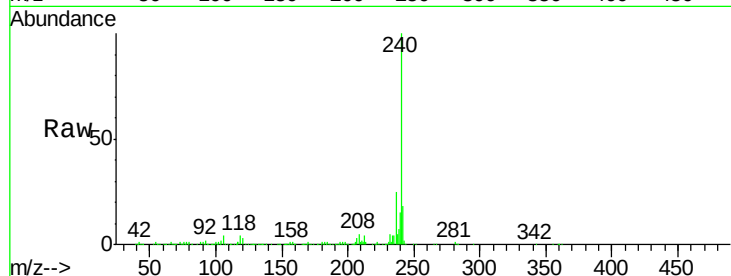
Tot Ion:240 Resp: 370300

Ion Ratio Lower Upper

240 100

120 3.5 6.8 10.2#

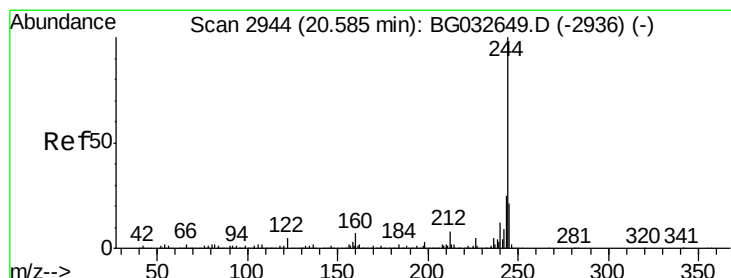
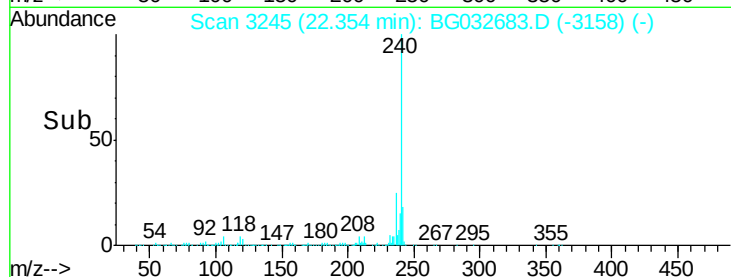
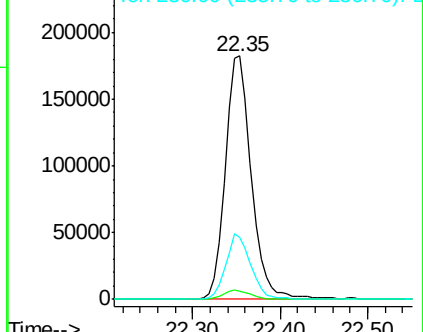
236 25.2 20.9 31.3



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: 90.198 ng

RT: 20.57 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BG032683.D

Acq: 14 Feb 2018 16:22

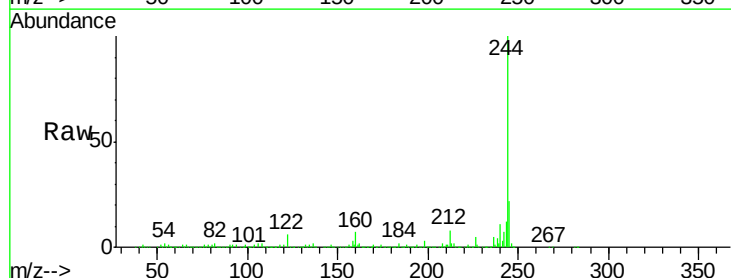
Tgt Ion:244 Resp: 1465434

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

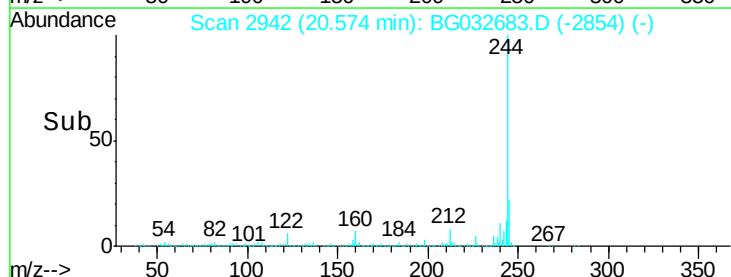
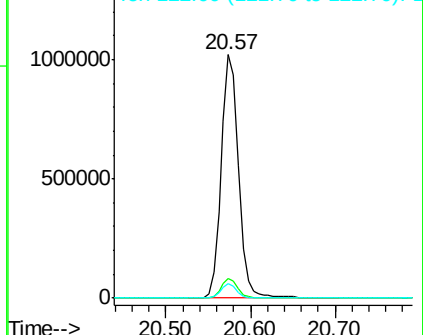
122 6.0 7.0 10.4#



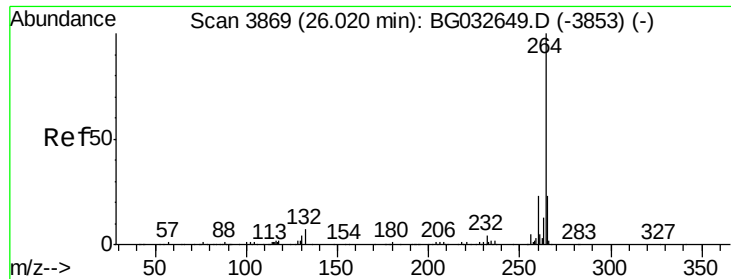
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



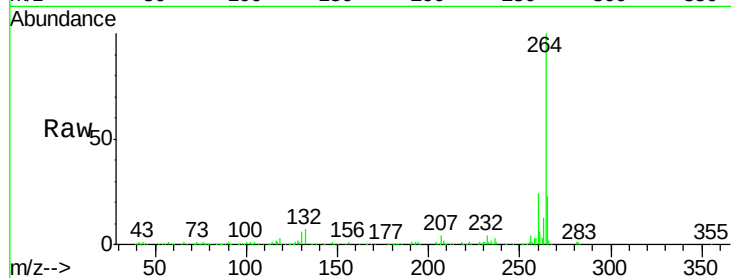




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.99 min Scan# 3863  
Delta R.T. -0.03 min  
Lab File: BG032683.D  
Acq: 14 Feb 2018 16:22

Instrument :  
BNA\_G  
ClientSampleId :  
MAIN-ST-LINE-2-EW@4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 17.4  | 26.0  |
| 265     | 23.0  | 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

