

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120615\  
 Data File : BG019965.D  
 Acq On : 6 Dec 2015 13:50  
 Operator : UM/NP  
 Sample : G4650-15  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COFF(0-2)-3

Quant Time: Dec 07 03:18:56 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

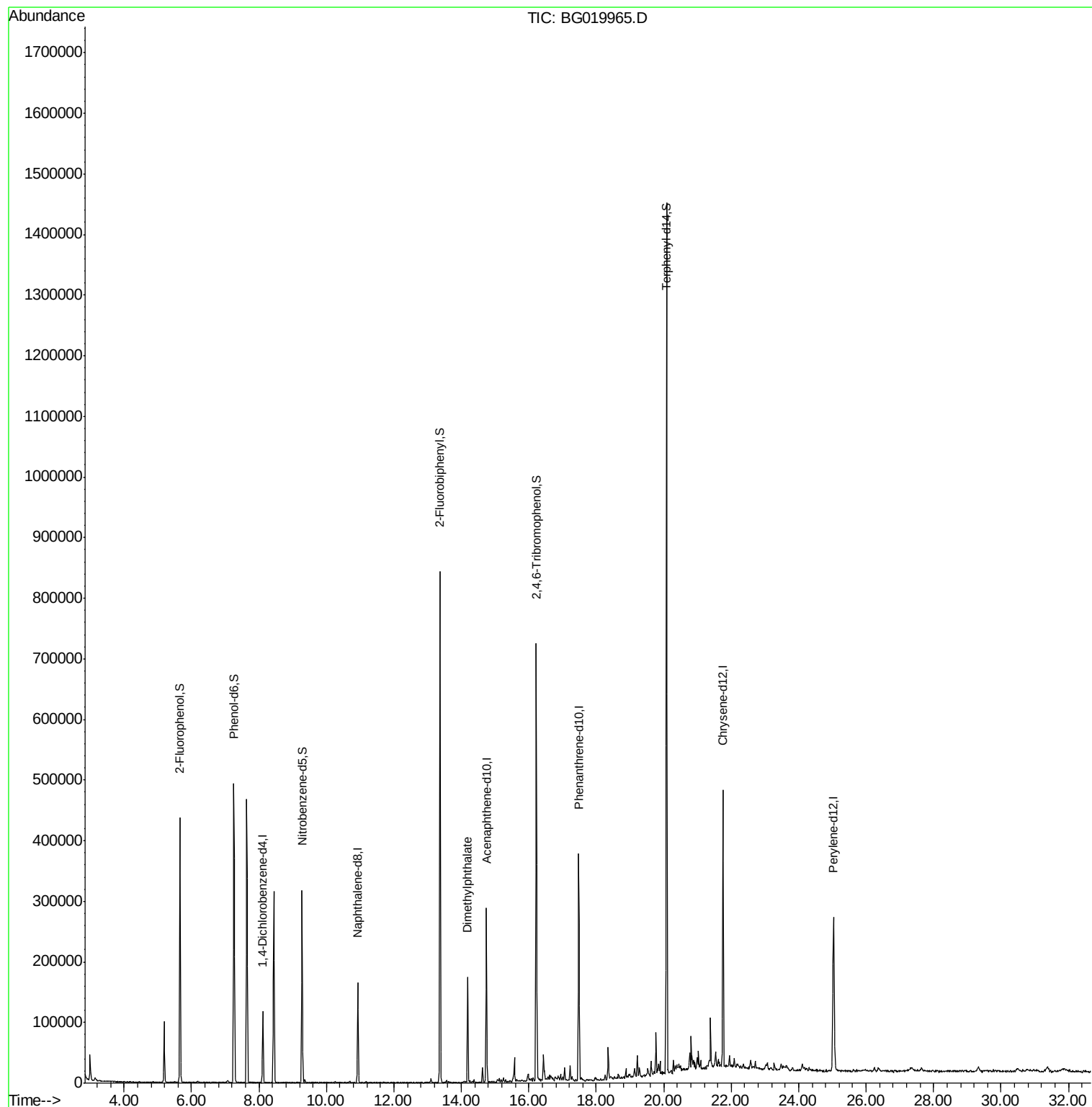
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 32161    | 20.00  | ng    | -0.02        |
| 21) Naphthalene-d8          | 10.93 | 136  | 137191   | 20.00  | ng    | -0.02        |
| 38) Acenaphthene-d10        | 14.74 | 164  | 95554    | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 17.48 | 188  | 237298   | 20.00  | ng    | -0.03        |
| 75) Chrysene-d12            | 21.76 | 240  | 294218   | 20.00  | ng    | -0.03        |
| 86) Perylene-d12            | 25.04 | 264  | 275777   | 20.00  | ng    | -0.06        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.66  | 112  | 181579   | 102.04 | ng    | -0.01        |
| 7) Phenol-d6                | 7.26  | 99   | 286948   | 106.80 | ng    | -0.02        |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 195964   | 72.90  | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 16.22 | 330  | 128653   | 87.99  | ng    | -0.02        |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 414721   | 59.26  | ng    | -0.02        |
| 78) Terphenyl-d14           | 20.08 | 244  | 643431   | 53.34  | ng    | -0.03        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.19 | 163  | 114585   | 13.33  | ng    | Qvalue<br>99 |

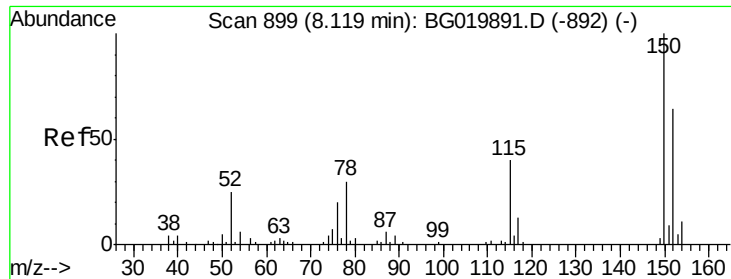
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120615\  
Data File : BG019965.D  
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Sample : G4650-15  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
COFF(0-2)-3

Quant Time: Dec 07 03:18:56 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG120215.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 02 18:50:01 2015  
Response via : Initial Calibration



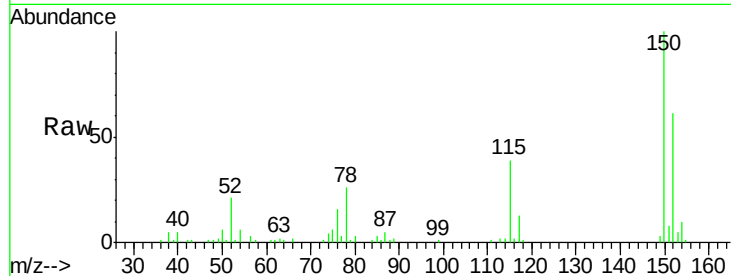


#1

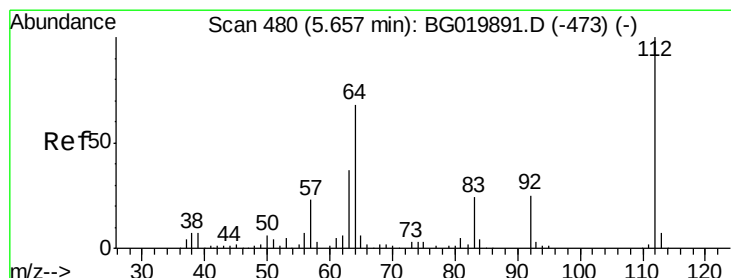
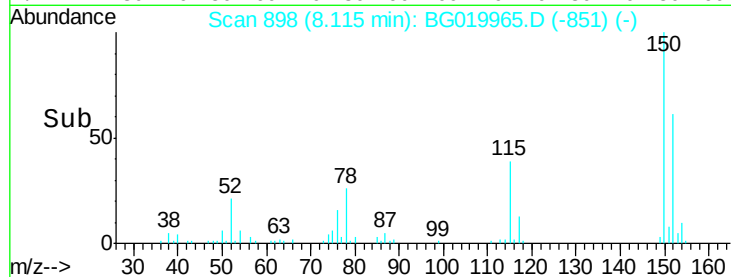
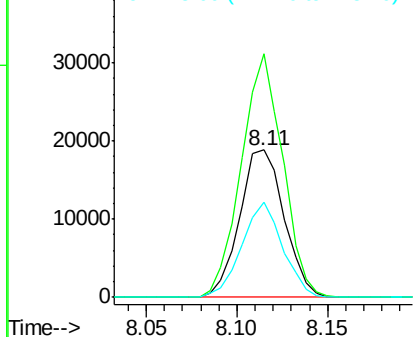
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.11 min Scan# 898  
Delta R.T. -0.02 min  
Lab File: BG019965.D  
Acq: 6 Dec 2015 13:50

Instrument :  
BNA\_G  
ClientSampleId :  
COFF(0-2)-3

Tgt Ion:152 Resp: 32161  
Ion Ratio Lower Upper  
152 100  
150 165.3 115.0 172.4  
115 64.8 43.9 65.9



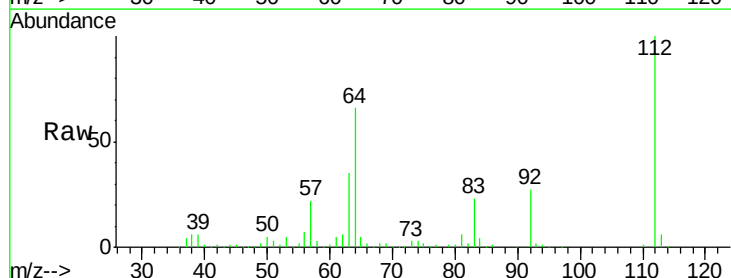
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



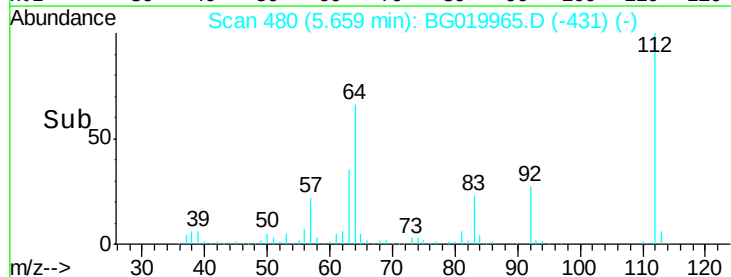
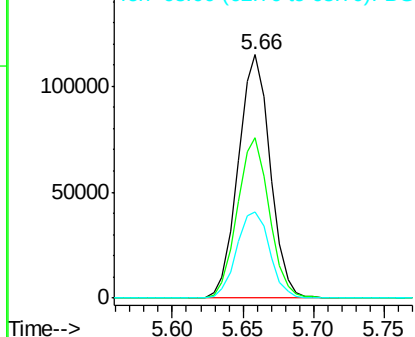
#5

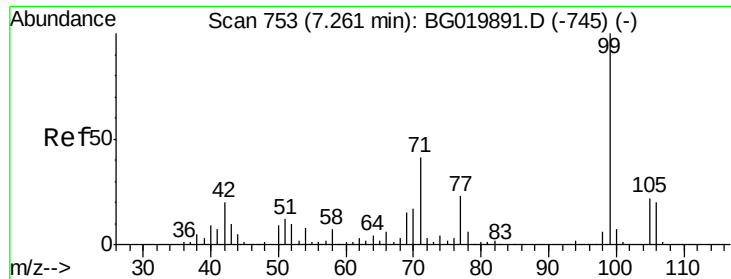
2-Fluorophenol  
Concen: 102.04 ng  
RT: 5.66 min Scan# 480  
Delta R.T. -0.01 min  
Lab File: BG019965.D  
Acq: 6 Dec 2015 13:50

Tgt Ion:112 Resp: 181579  
Ion Ratio Lower Upper  
112 100  
64 66.1 43.7 65.5#  
63 35.2 24.0 36.0



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: 106.80 ng

RT: 7.26 min Scan# 752

Delta R.T. -0.02 min

Lab File: BG019965.D

Acq: 6 Dec 2015 13:50

Instrument :

BNA\_G

ClientSampleId :

COFF(0-2)-3

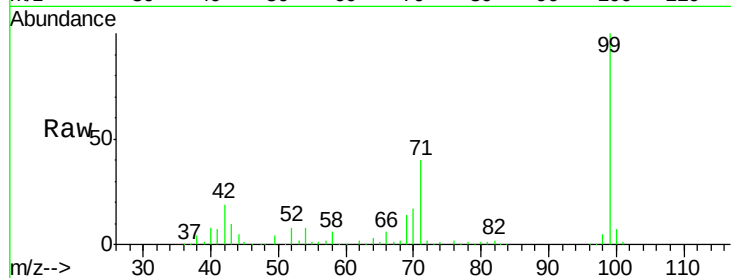
Tgt Ion: 99 Resp: 286948

Ion Ratio Lower Upper

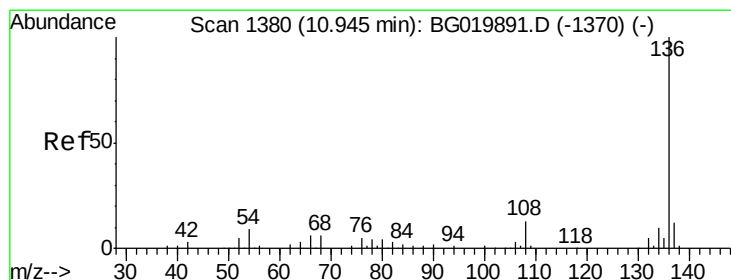
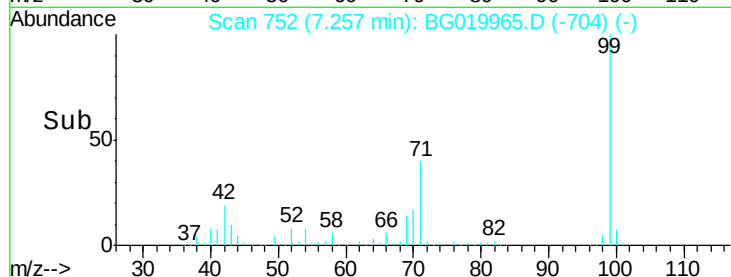
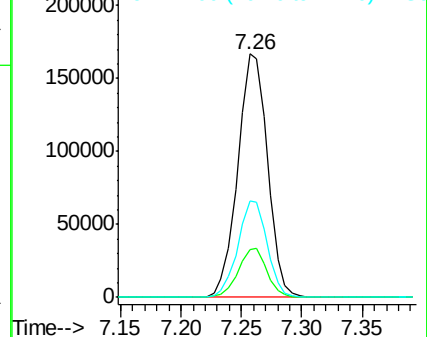
99 100

42 19.4 11.5 17.3#

71 39.7 22.6 34.0#



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: 20.00 ng

RT: 10.93 min Scan# 1378

Delta R.T. -0.02 min

Lab File: BG019965.D

Acq: 6 Dec 2015 13:50

Tgt Ion: 136 Resp: 137191

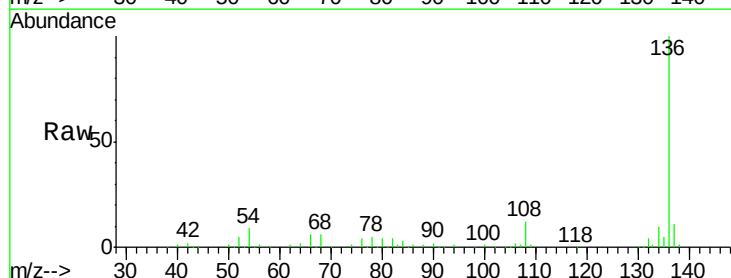
Ion Ratio Lower Upper

136 100

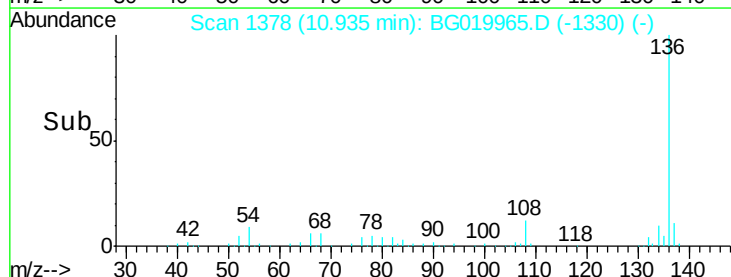
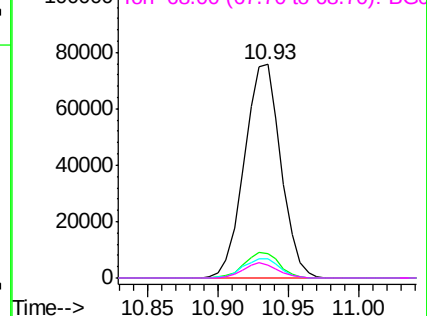
137 11.3 8.6 12.8

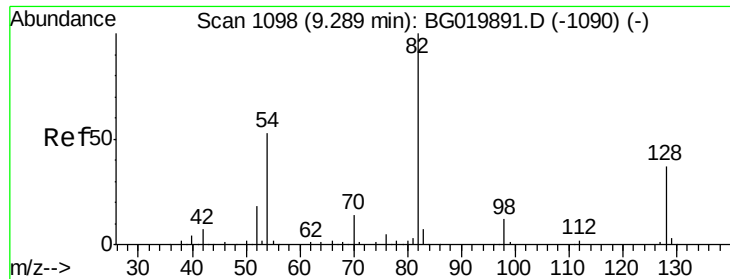
54 9.2 5.4 8.2#

68 6.0 5.3 7.9



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

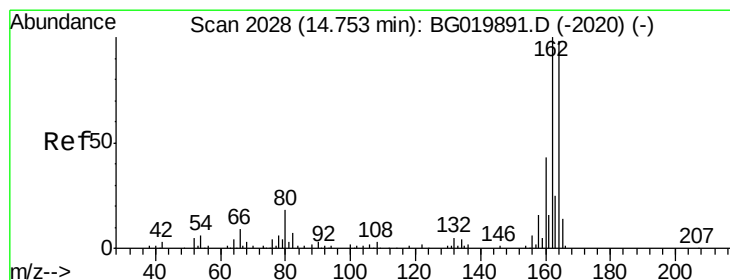
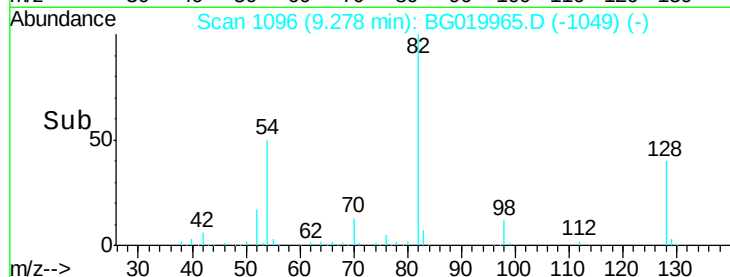
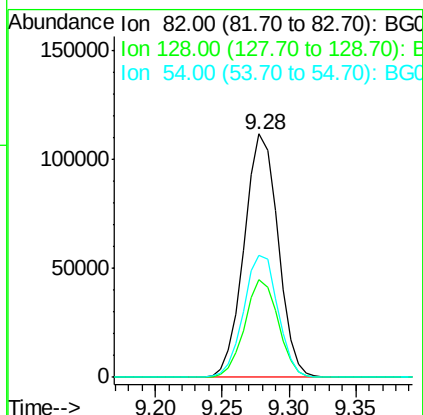
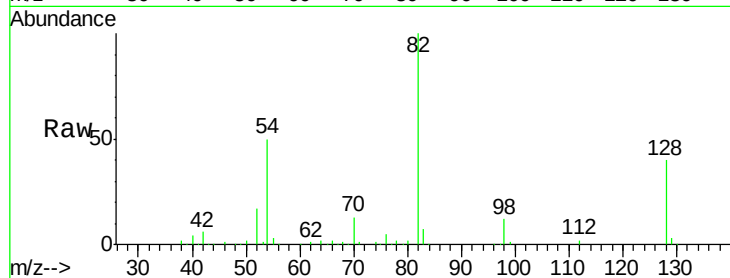




#23  
 Nitrobenzene-d5  
 Concen: 72.90 ng  
 RT: 9.28 min Scan# 1096  
 Delta R.T. -0.02 min  
 Lab File: BG019965.D  
 Acq: 6 Dec 2015 13:50

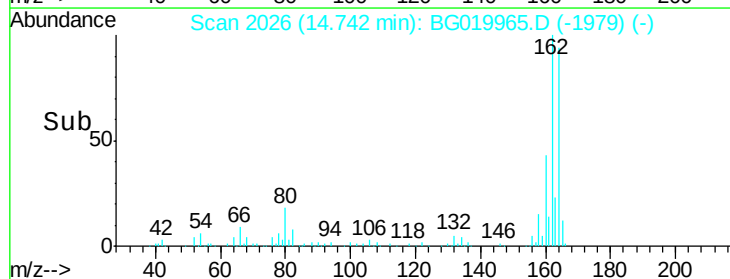
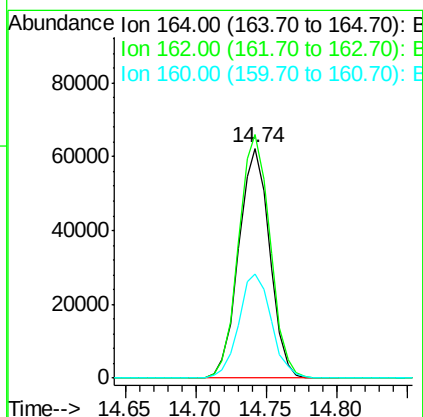
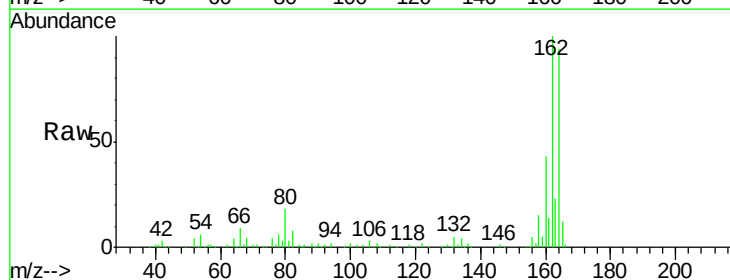
Instrument :  
 BNA\_G  
 ClientSampled :  
 COFF(0-2)-3

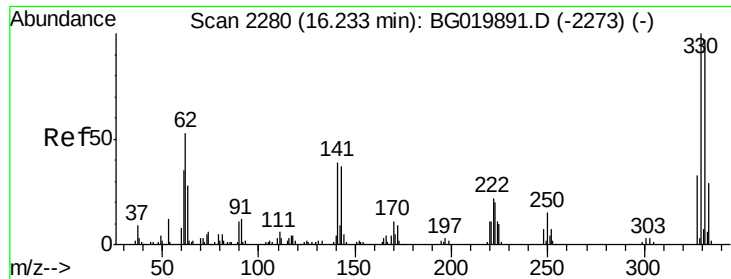
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.2  | 36.7  | 55.1  |
| 54      | 49.9  | 33.8  | 50.8  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.74 min Scan# 2026  
 Delta R.T. -0.02 min  
 Lab File: BG019965.D  
 Acq: 6 Dec 2015 13:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 106.0 | 78.8  | 118.2 |
| 160     | 45.6  | 36.4  | 54.6  |

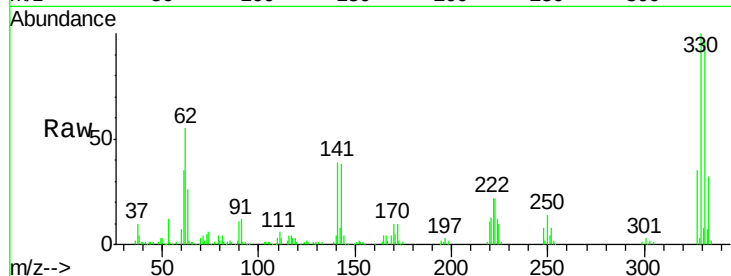




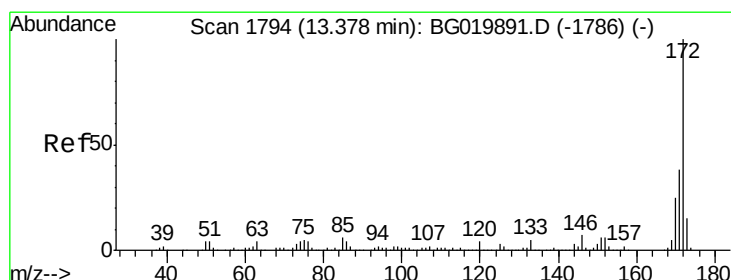
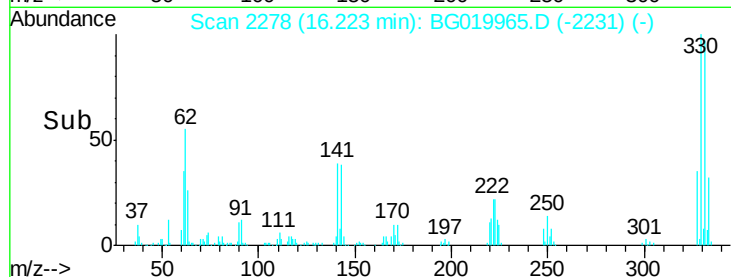
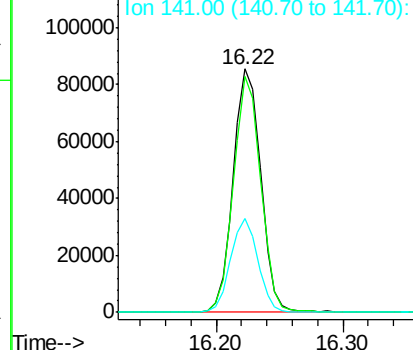
#41  
 2,4,6-Tribromophenol  
 Concen: 87.99 ng  
 RT: 16.22 min Scan# 2278  
 Delta R.T. -0.02 min  
 Lab File: BG019965.D  
 Acq: 6 Dec 2015 13:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COFF(0-2)-3

Tgt Ion:330 Resp: 128653  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 78.1 117.1  
 141 38.2 28.2 42.2

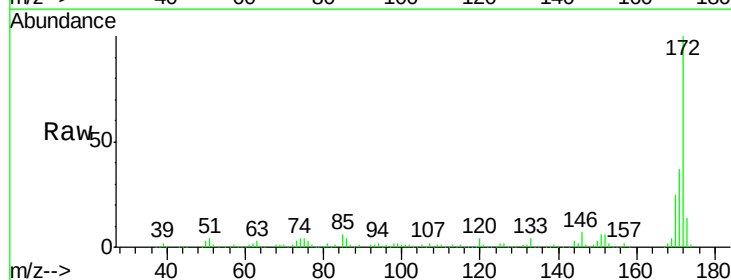


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

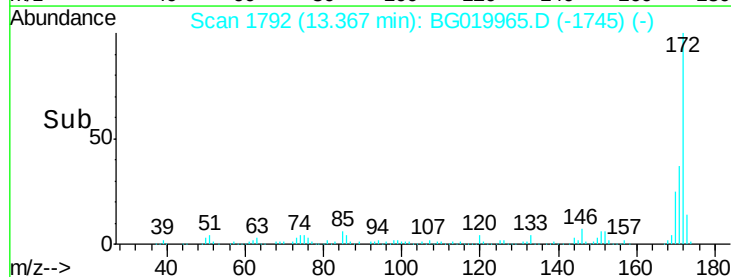
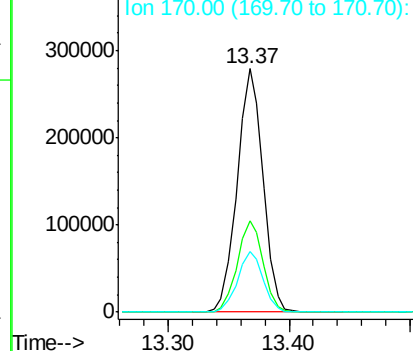


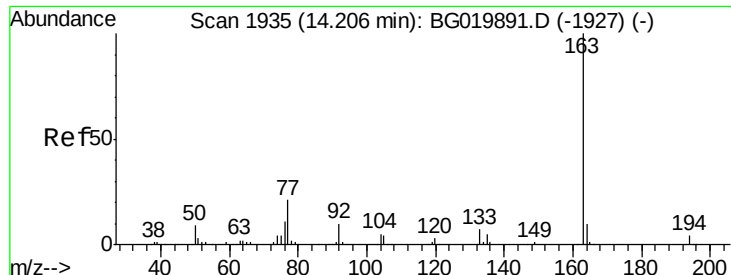
#44  
 2-Fluorobiphenyl  
 Concen: 59.26 ng  
 RT: 13.37 min Scan# 1792  
 Delta R.T. -0.02 min  
 Lab File: BG019965.D  
 Acq: 6 Dec 2015 13:50

Tgt Ion:172 Resp: 414721  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 29.0 43.6  
 170 25.1 19.9 29.9



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





#49

Dimethylphthalate

Concen: 13.33 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.03 min

Lab File: BG019965.D

Acq: 6 Dec 2015 13:50

Instrument :

BNA\_G

ClientSampleId :

COFF(0-2)-3

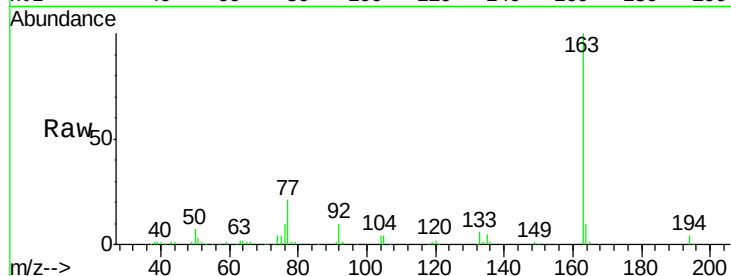
Tgt Ion:163 Resp: 114585

Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

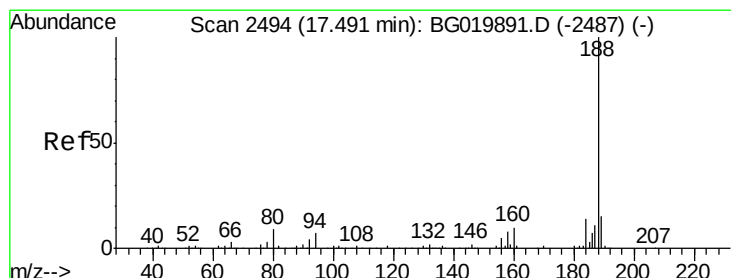
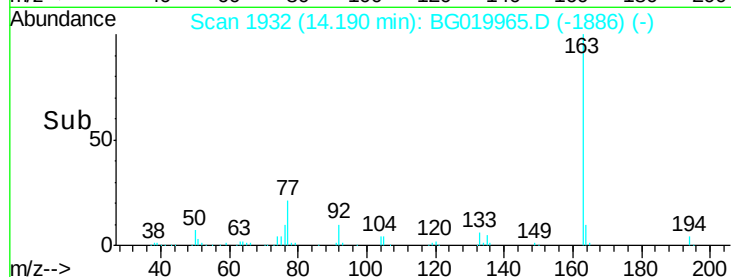
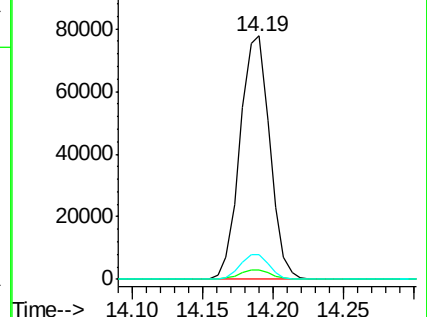
164 10.3 8.8 13.2



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: 20.00 ng

RT: 17.48 min Scan# 2492

Delta R.T. -0.03 min

Lab File: BG019965.D

Acq: 6 Dec 2015 13:50

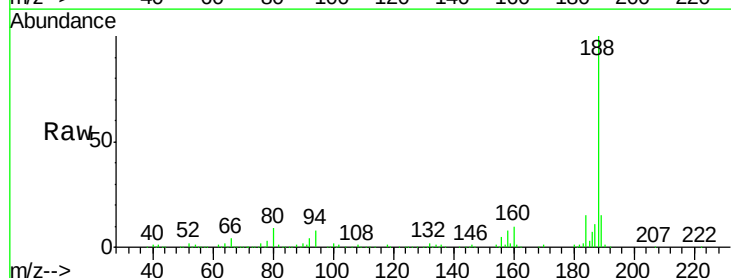
Tgt Ion:188 Resp: 237298

Ion Ratio Lower Upper

188 100

94 8.0 7.7 11.5

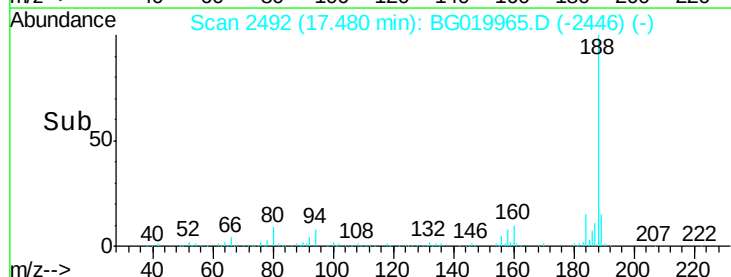
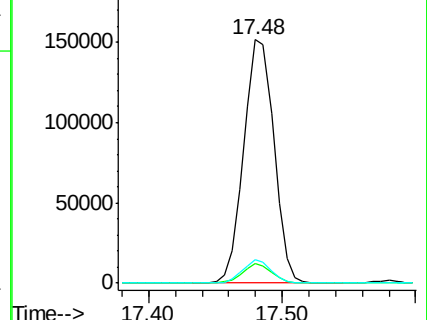
80 9.4 7.8 11.8

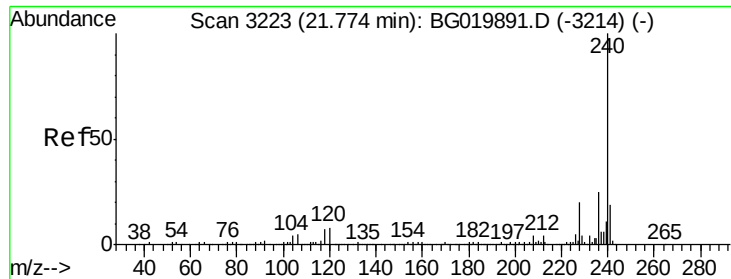


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3220

Delta R.T. -0.03 min

Lab File: BG019965.D

Acq: 6 Dec 2015 13:50

Instrument :

BNA\_G

ClientSampleId :

COFF(0-2)-3

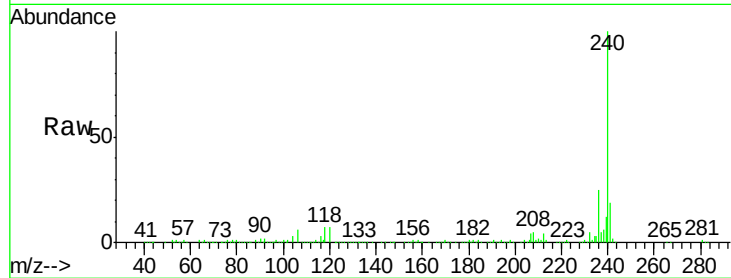
Tgt Ion:240 Resp: 294218

Ion Ratio Lower Upper

240 100

120 6.9 7.4 11.0#

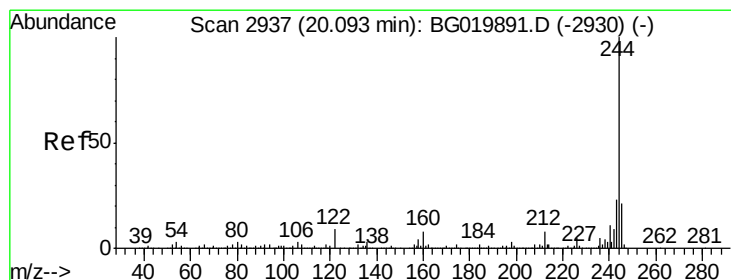
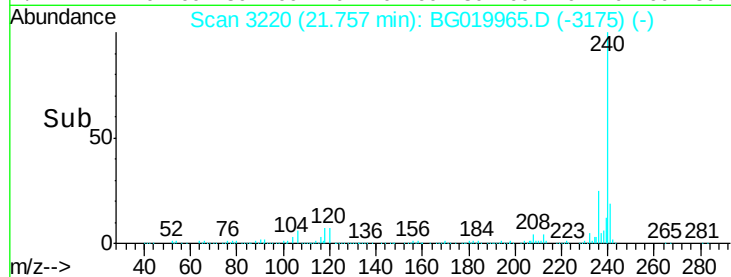
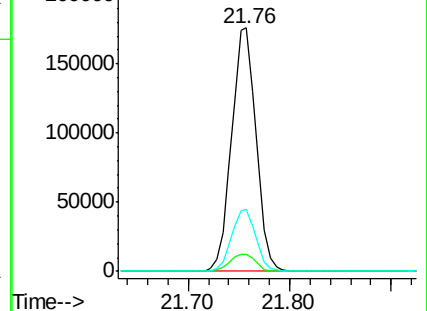
236 25.2 20.7 31.1



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: 53.34 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.03 min

Lab File: BG019965.D

Acq: 6 Dec 2015 13:50

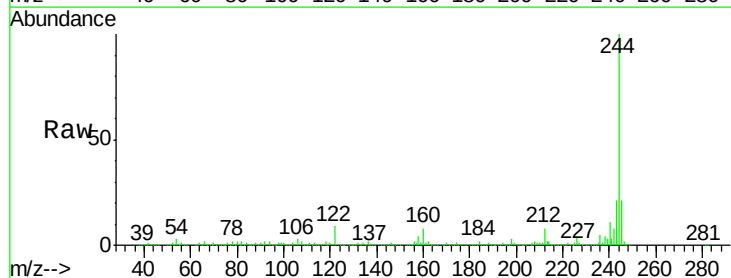
Tgt Ion:244 Resp: 643431

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

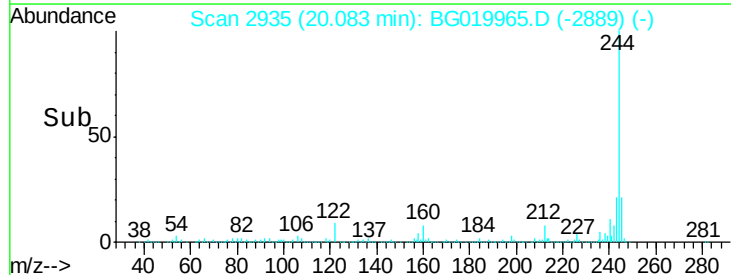
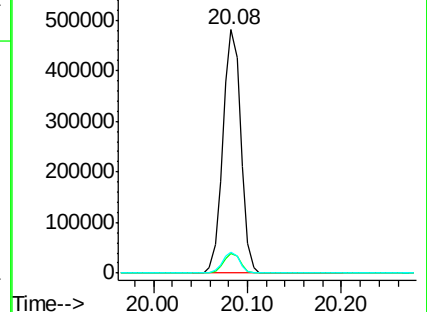
122 8.5 10.2 15.2#



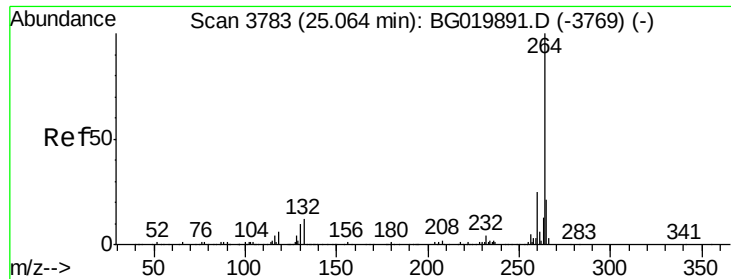
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.04 min Scan# 3778  
Delta R.T. -0.06 min  
Lab File: BG019965.D  
Acq: 6 Dec 2015 13:50

Instrument :  
BNA\_G  
ClientSampleId :  
COFF(0-2)-3

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 18.5  | 27.7  |
| 265     | 21.4  | 17.2  | 25.8  |

