

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120615\  
 Data File : BG019966.D  
 Acq On : 6 Dec 2015 14:28  
 Operator : UM/NP  
 Sample : G4650-17  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COFF(0-2)-4

Quant Time: Dec 07 03:19:20 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

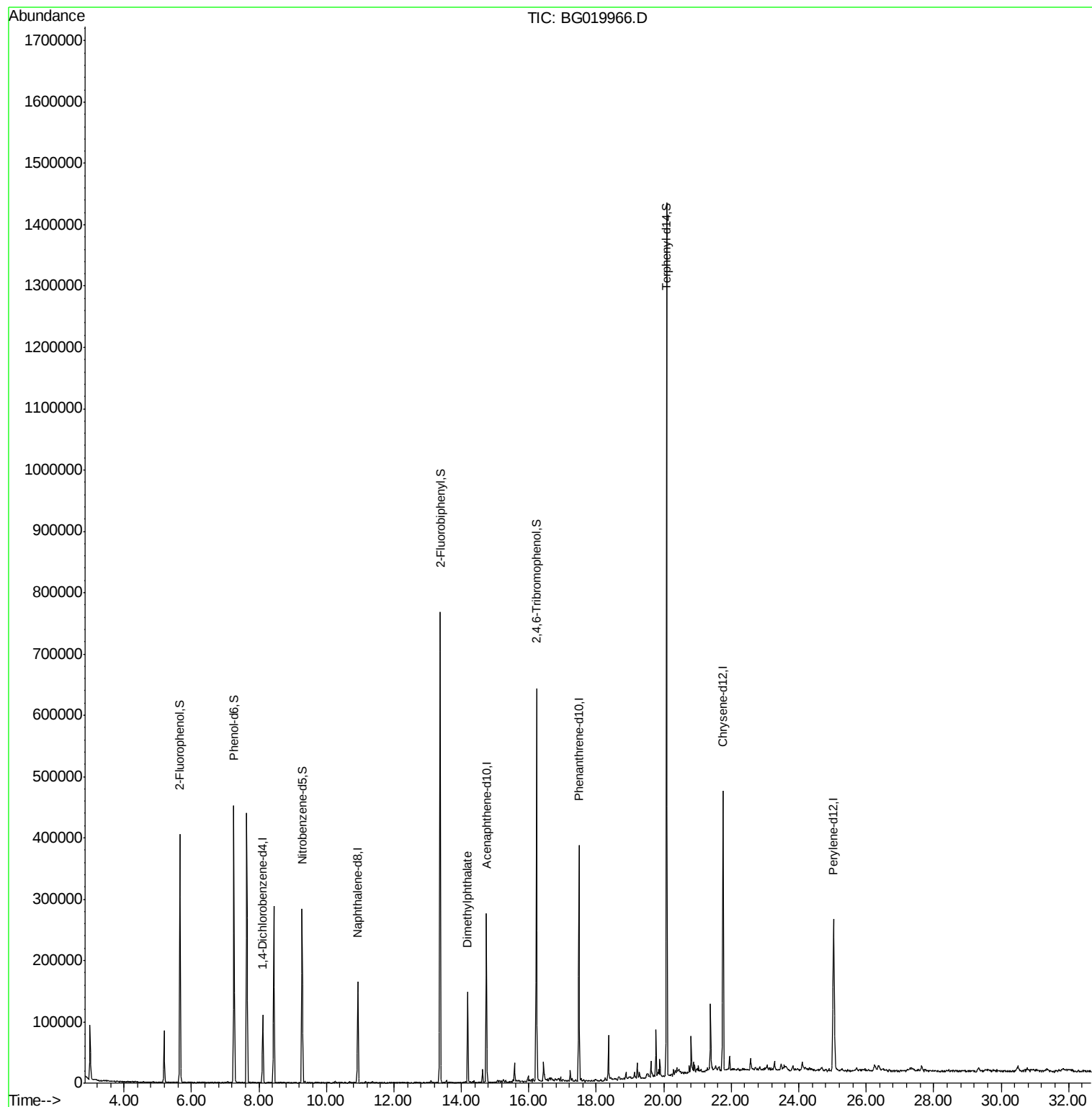
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 30647    | 20.00  | ng    | -0.02        |
| 21) Naphthalene-d8          | 10.93 | 136  | 132910   | 20.00  | ng    | -0.02        |
| 38) Acenaphthene-d10        | 14.74 | 164  | 92119    | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 17.48 | 188  | 232466   | 20.00  | ng    | -0.03        |
| 75) Chrysene-d12            | 21.75 | 240  | 284547   | 20.00  | ng    | -0.04        |
| 86) Perylene-d12            | 25.04 | 264  | 264885   | 20.00  | ng    | -0.06        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.66  | 112  | 171616   | 101.21 | ng    | 0.00         |
| 7) Phenol-d6                | 7.26  | 99   | 256900   | 100.34 | ng    | -0.02        |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 171897   | 66.01  | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 16.22 | 330  | 114989   | 81.58  | ng    | -0.02        |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 390244   | 57.84  | ng    | -0.02        |
| 78) Terphenyl-d14           | 20.08 | 244  | 607255   | 52.05  | ng    | -0.03        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.19 | 163  | 93625    | 11.30  | ng    | Qvalue<br>97 |

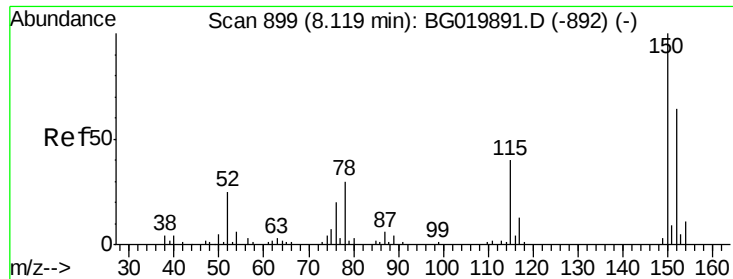
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120615\  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
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COFF(0-2)-4

Quant Time: Dec 07 03:19:20 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: 8.12 min Scan# 898

Delta R.T. -0.02 min

Lab File: BG019966.D

Acq: 6 Dec 2015 14:28

Instrument :

BNA\_G

ClientSampleId :

COFF(0-2)-4

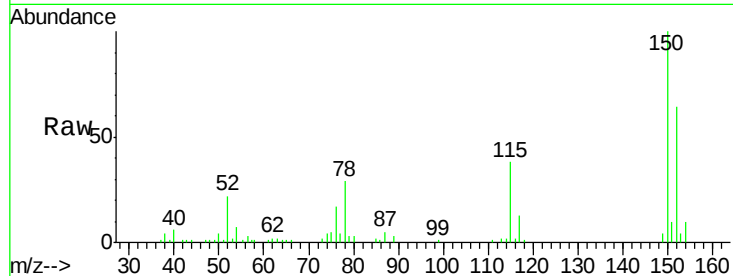
Tgt Ion:152 Resp: 30647

Ion Ratio Lower Upper

152 100

150 155.2 115.0 172.4

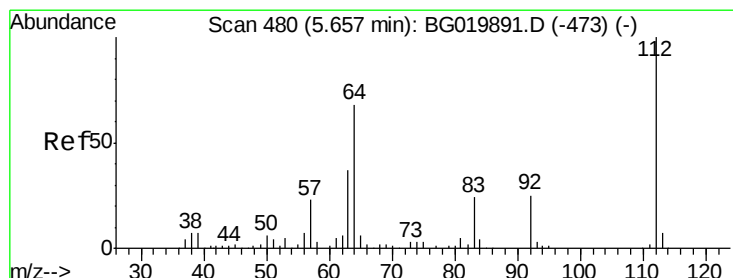
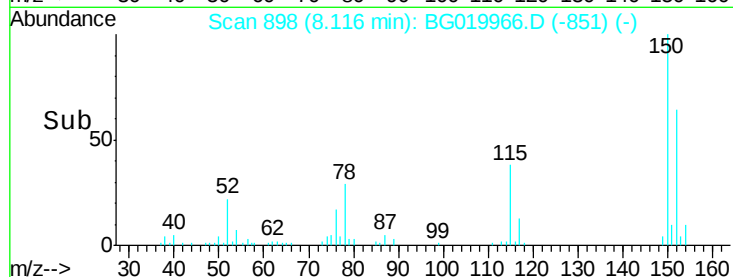
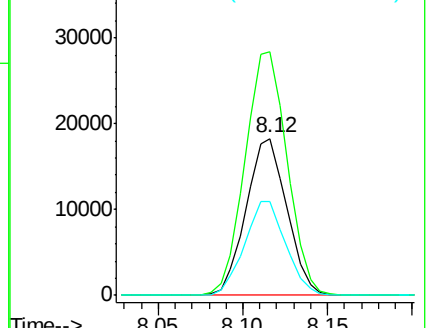
115 59.5 43.9 65.9



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: 101.21 ng

RT: 5.66 min Scan# 480

Delta R.T. -0.01 min

Lab File: BG019966.D

Acq: 6 Dec 2015 14:28

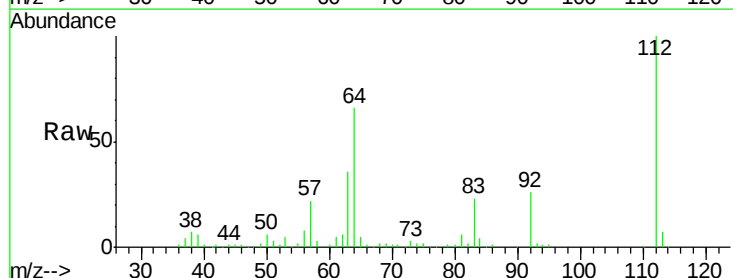
Tgt Ion:112 Resp: 171616

Ion Ratio Lower Upper

112 100

64 65.6 43.7 65.5#

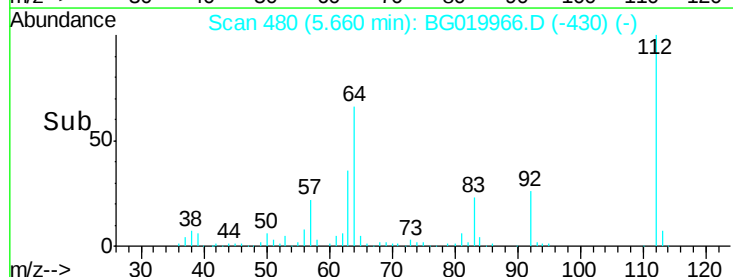
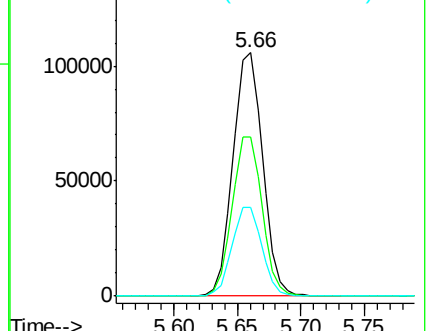
63 36.3 24.0 36.0#

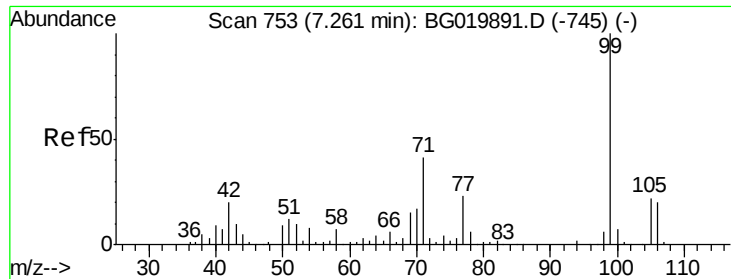


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 100.34 ng

RT: 7.26 min Scan# 752

Delta R.T. -0.02 min

Lab File: BG019966.D

Acq: 6 Dec 2015 14:28

Instrument :

BNA\_G

ClientSampleId :

COFF(0-2)-4

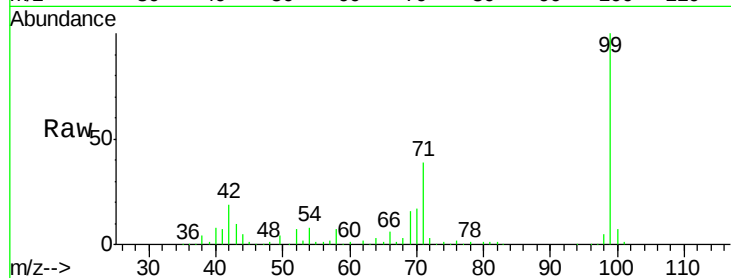
Tgt Ion: 99 Resp: 256900

Ion Ratio Lower Upper

99 100

42 19.0 11.5 17.3#

71 39.3 22.6 34.0#

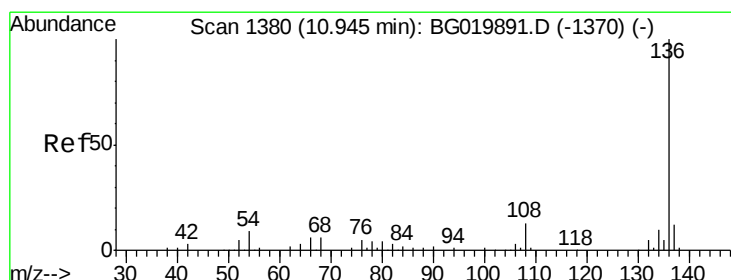
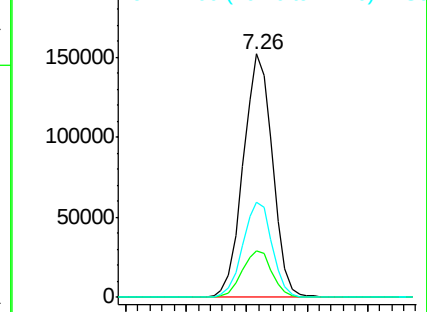
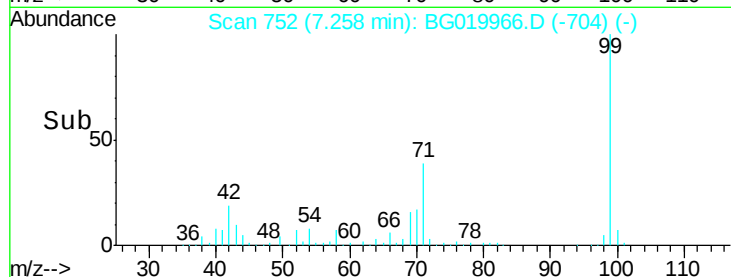


Abundance

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# 1377

Delta R.T. -0.02 min

Lab File: BG019966.D

Acq: 6 Dec 2015 14:28

Tgt Ion: 136 Resp: 132910

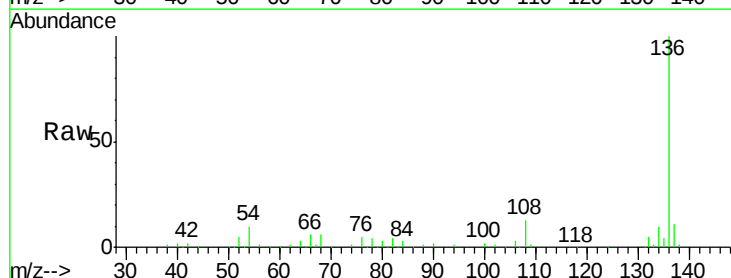
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 9.7 5.4 8.2#

68 6.4 5.3 7.9



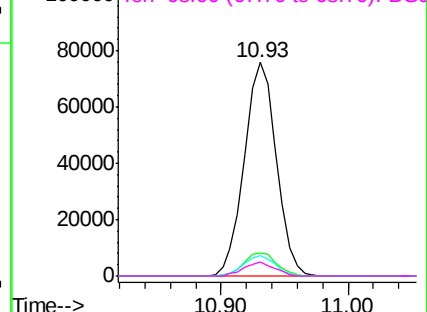
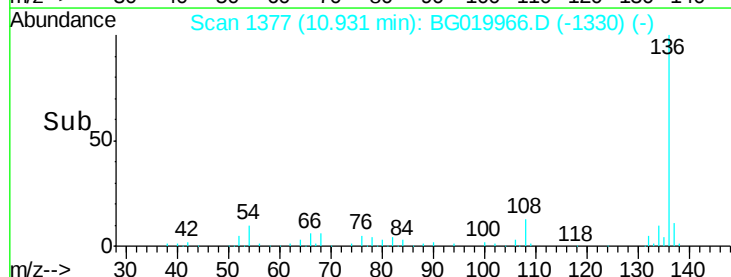
Abundance

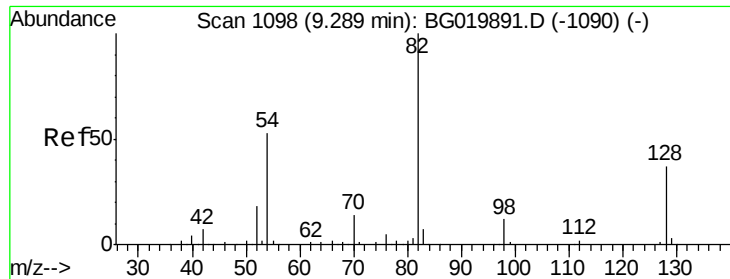
Ion 136.00 (135.70 to 136.70): BGC

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

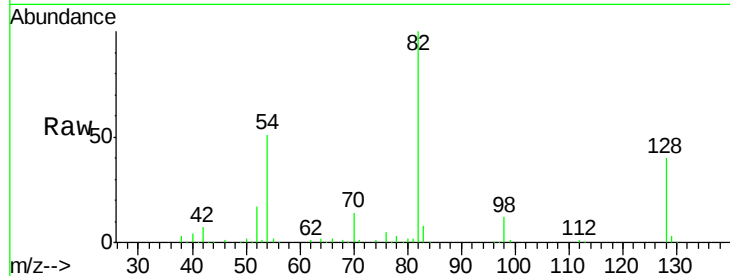




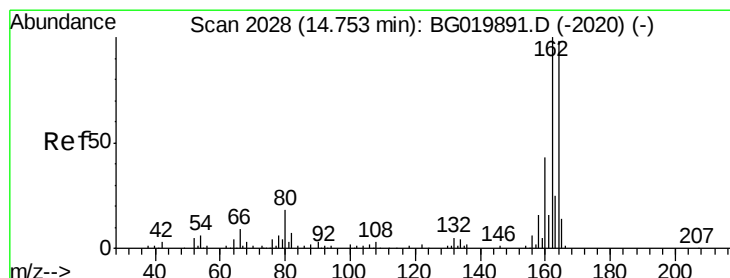
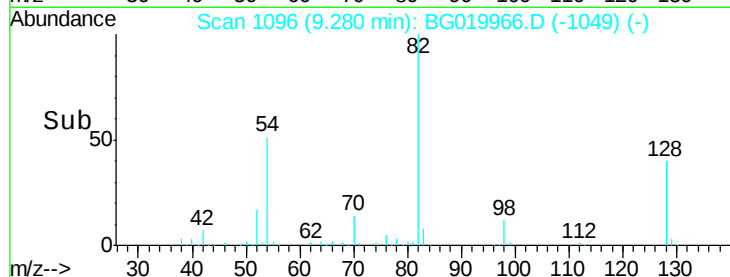
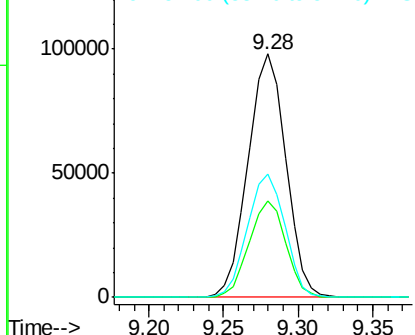
#23  
 Nitrobenzene-d5  
 Concen: 66.01 ng  
 RT: 9.28 min Scan# 1096  
 Delta R.T. -0.02 min  
 Lab File: BG019966.D  
 Acq: 6 Dec 2015 14:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COFF(0-2)-4

Tgt Ion: 82 Resp: 171897  
 Ion Ratio Lower Upper  
 82 100  
 128 39.9 36.7 55.1  
 54 50.8 33.8 50.8#

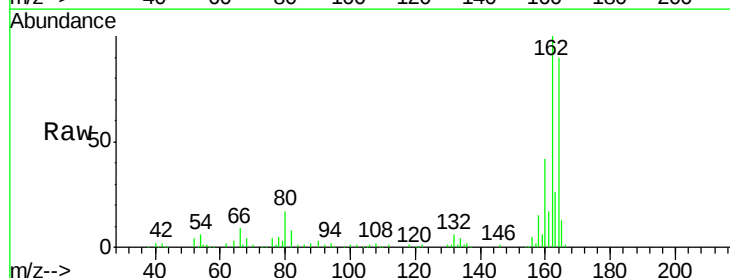


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

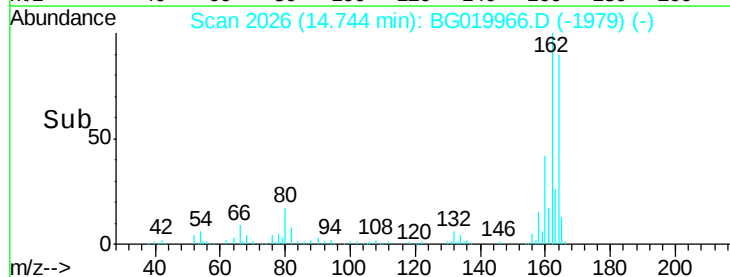
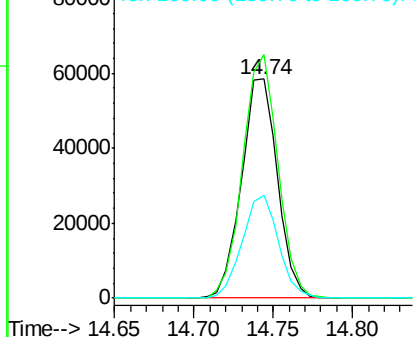


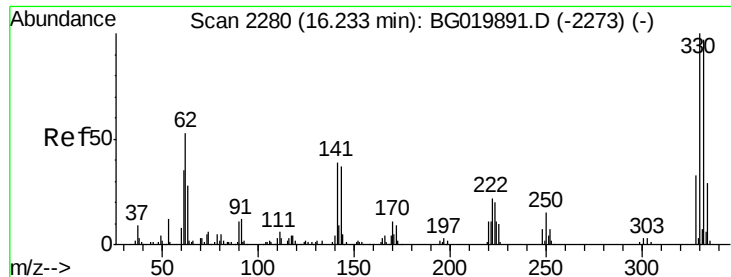
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.74 min Scan# 2026  
 Delta R.T. -0.02 min  
 Lab File: BG019966.D  
 Acq: 6 Dec 2015 14:28

Tgt Ion: 164 Resp: 92119  
 Ion Ratio Lower Upper  
 164 100  
 162 111.1 78.8 118.2  
 160 46.8 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC

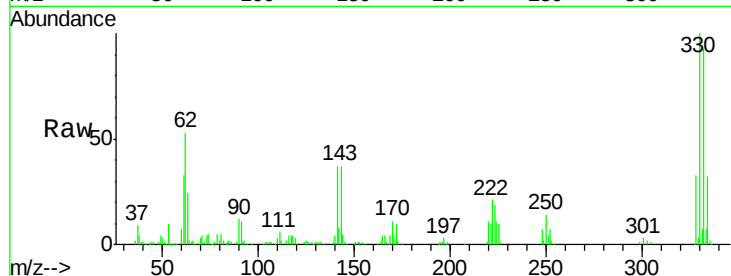




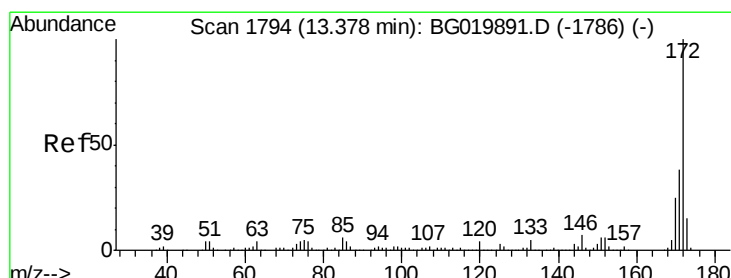
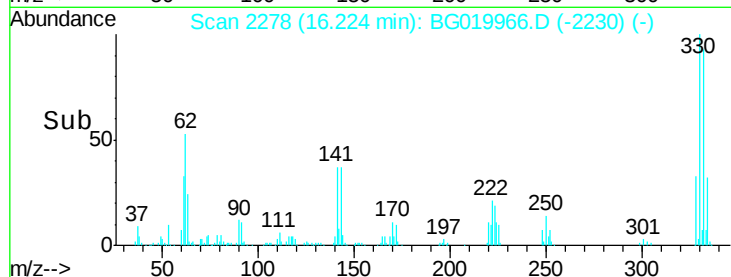
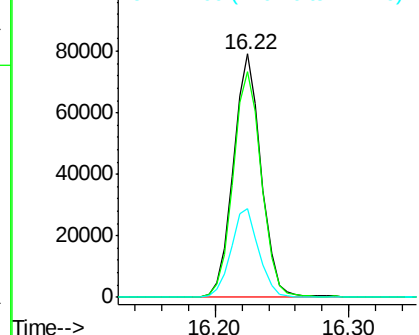
#41  
 2,4,6-Tribromophenol  
 Concen: 81.58 ng  
 RT: 16.22 min Scan# 2278  
 Delta R.T. -0.02 min  
 Lab File: BG019966.D  
 Acq: 6 Dec 2015 14:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COFF(0-2)-4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.4  | 78.1  | 117.1 |
| 141     | 37.0  | 28.2  | 42.2  |

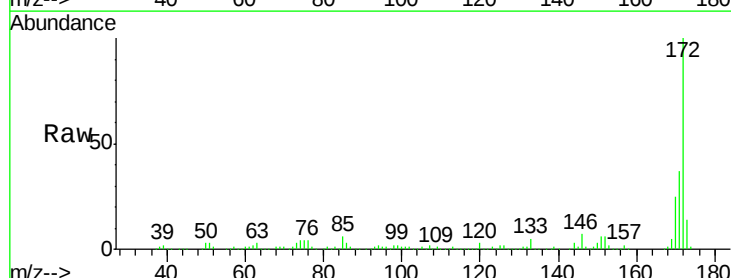


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

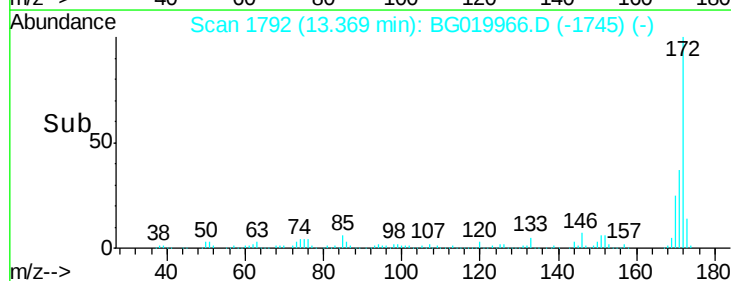
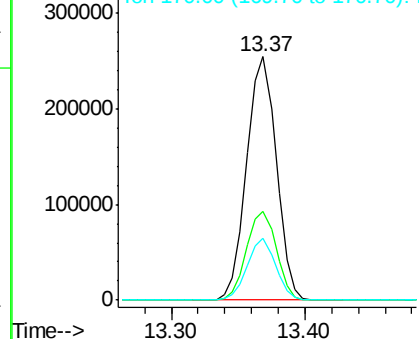


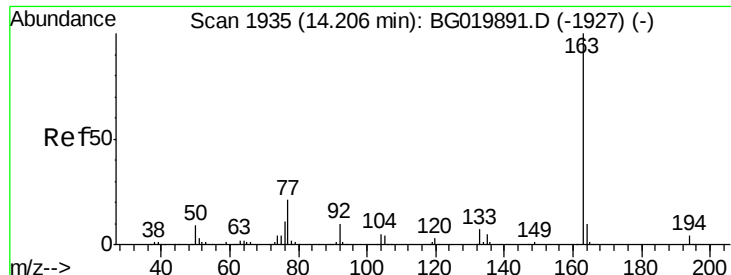
#44  
 2-Fluorobiphenyl  
 Concen: 57.84 ng  
 RT: 13.37 min Scan# 1792  
 Delta R.T. -0.02 min  
 Lab File: BG019966.D  
 Acq: 6 Dec 2015 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.0  | 43.6  |
| 170     | 25.3  | 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

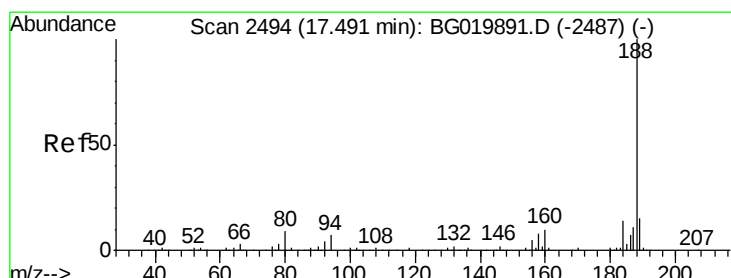
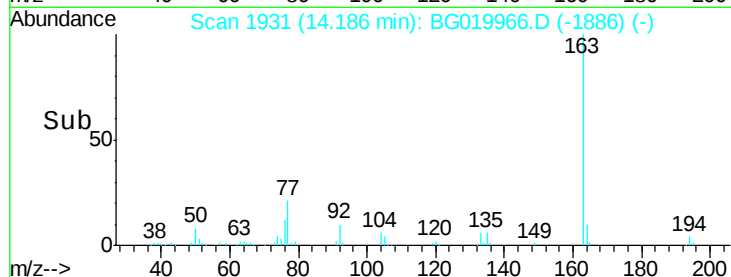
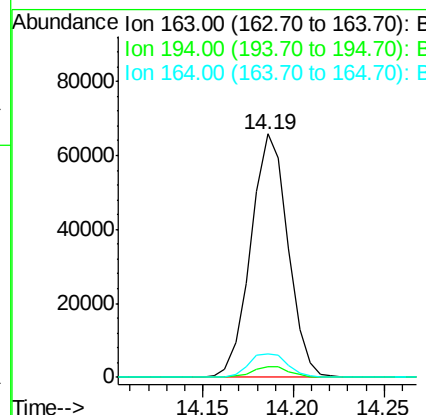
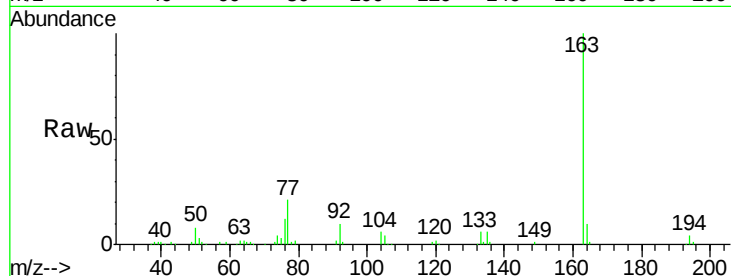




#49  
Dimethylphthalate  
Concen: 11.30 ng  
RT: 14.19 min Scan# 1931  
Delta R.T. -0.03 min  
Lab File: BG019966.D  
Acq: 6 Dec 2015 14:28

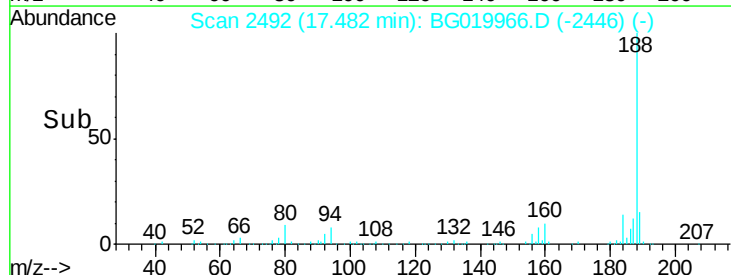
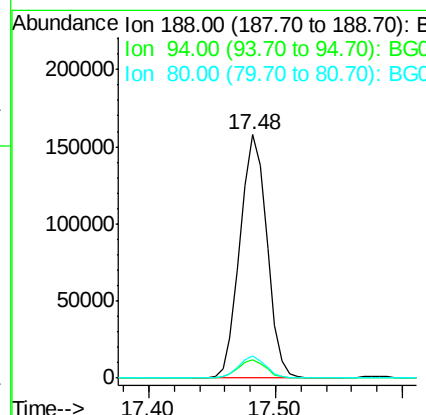
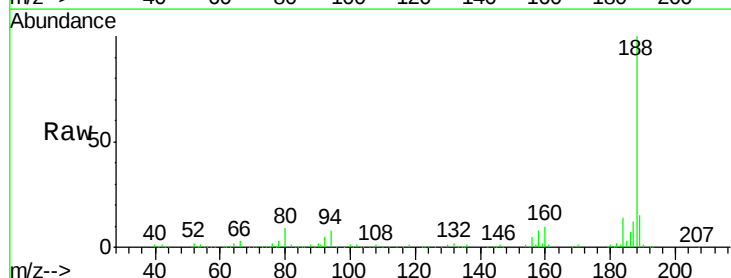
Instrument :  
BNA\_G  
ClientSampleId :  
COFF(0-2)-4

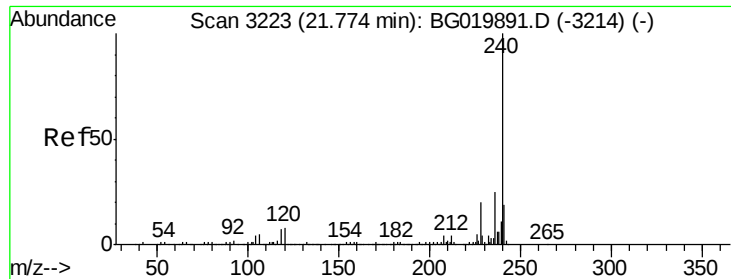
Tgt Ion:163 Resp: 93625  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.1 4.7  
164 9.7 8.8 13.2



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.48 min Scan# 2492  
Delta R.T. -0.03 min  
Lab File: BG019966.D  
Acq: 6 Dec 2015 14:28

Tgt Ion:188 Resp: 232466  
Ion Ratio Lower Upper  
188 100  
94 7.6 7.7 11.5#  
80 9.1 7.8 11.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.75 min Scan# 3219

Delta R.T. -0.04 min

Lab File: BG019966.D

Acq: 6 Dec 2015 14:28

Instrument :

BNA\_G

ClientSampleId :

COFF(0-2)-4

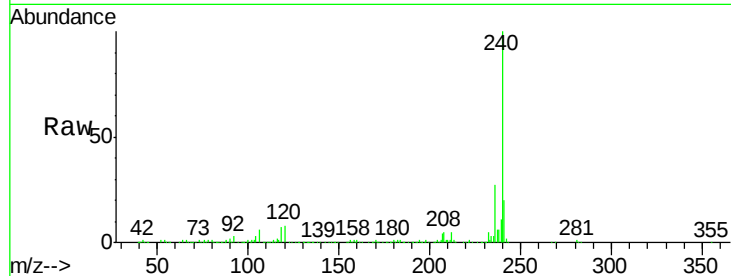
Tgt Ion:240 Resp: 284547

Ion Ratio Lower Upper

240 100

120 7.9 7.4 11.0

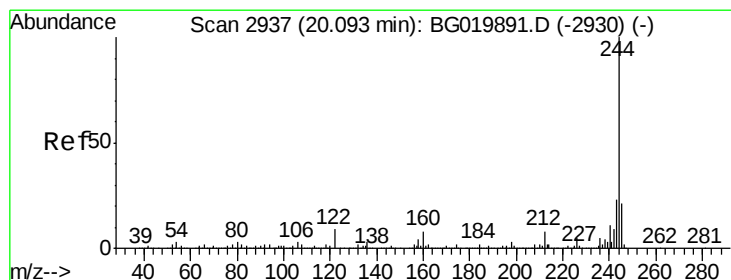
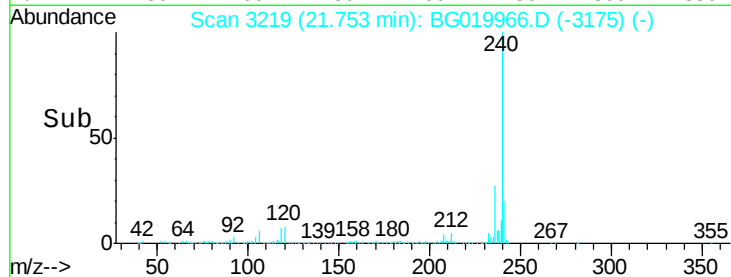
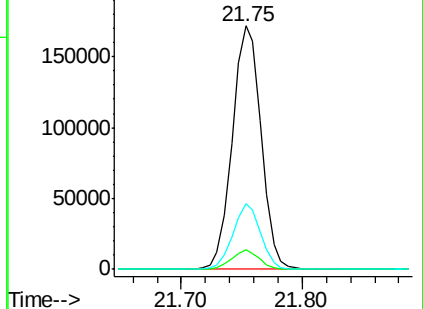
236 26.8 20.7 31.1



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: 52.05 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.03 min

Lab File: BG019966.D

Acq: 6 Dec 2015 14:28

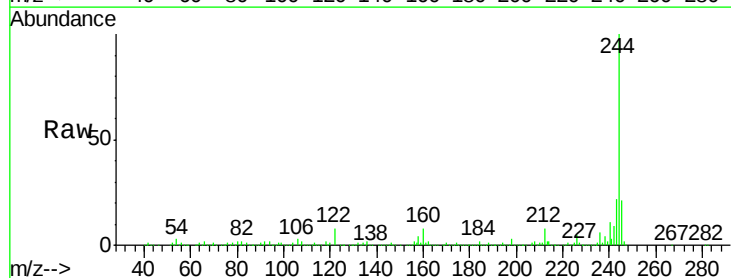
Tgt Ion:244 Resp: 607255

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

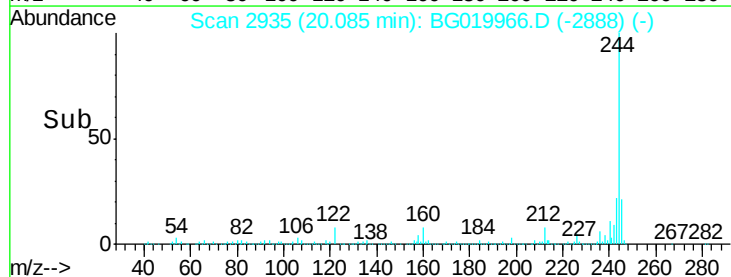
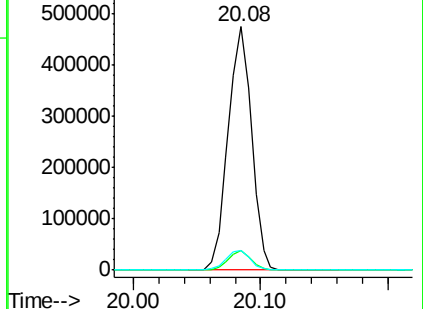
122 8.1 10.2 15.2#

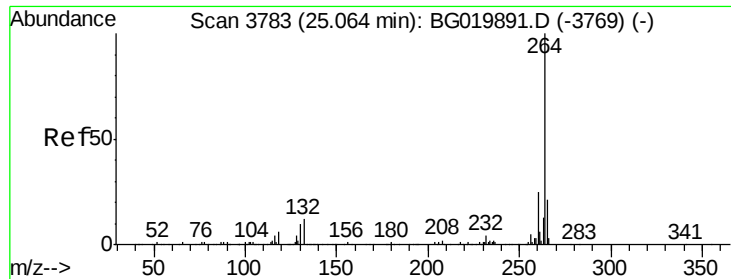


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG019966.D  
Acq: 6 Dec 2015 14:28

Instrument :  
BNA\_G  
ClientSampleId :  
COFF(0-2)-4

Tgt Ion: 264 Resp: 264885  
Ion Ratio Lower Upper  
264 100  
260 22.6 18.5 27.7  
265 21.0 17.2 25.8

