

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120315\  
 Data File : BG019885.D  
 Acq On : 4 Dec 2015 00:33  
 Operator : UM/NP  
 Sample : G4598-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 113015-A263-F-U-B

Quant Time: Dec 04 02:54:31 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  | 25044    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.94 | 136  | 111265   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.75 | 164  | 81632    | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.49 | 188  | 210480   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 21.77 | 240  | 258093   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 25.07 | 264  | 242301   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 63292    | 45.68 | ng    | -0.01    |
| 7) Phenol-d6                | 7.26  | 99   | 58644    | 28.03 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 206103   | 94.54 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 111439   | 89.22 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 522894   | 87.46 | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.09 | 244  | 950187   | 89.80 | ng    | -0.02    |

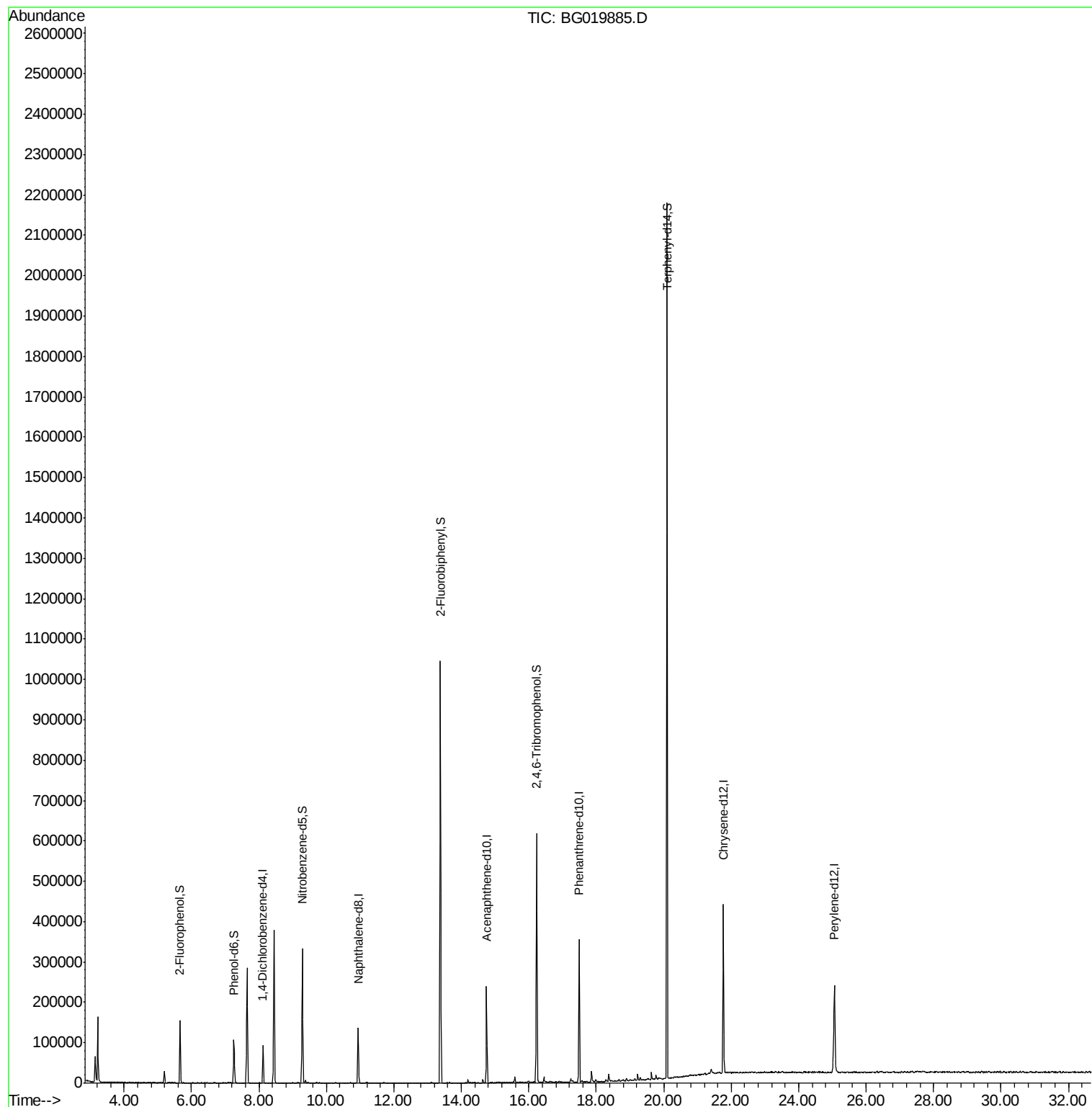
Target Compounds Qvalue

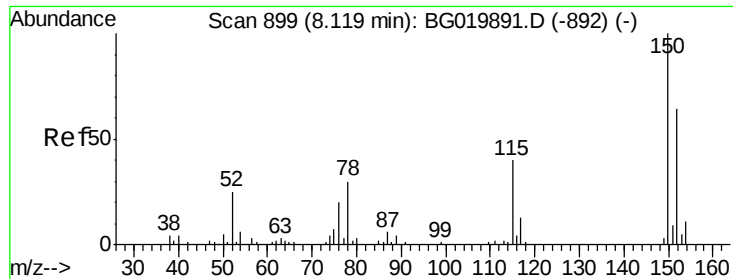
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 899

Delta R.T. -0.02 min

Lab File: BG019885.D

Acq: 4 Dec 2015 00:33

Instrument :

BNA\_G

ClientSampleId :

113015-A263-F-U-B

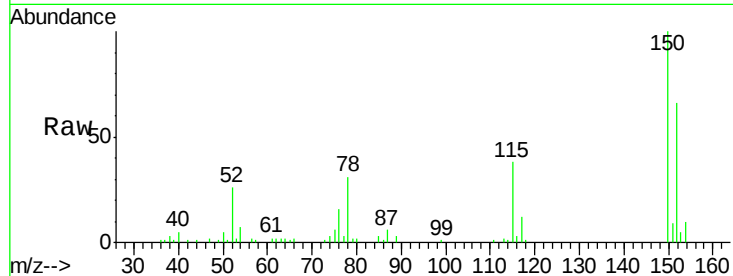
Tot Ion:152 Resp: 25044

Ion Ratio Lower Upper

152 100

150 152.1 115.0 172.4

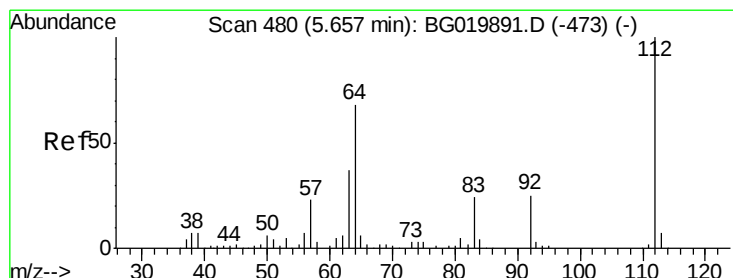
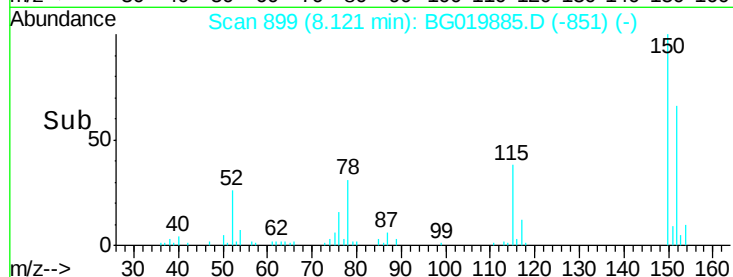
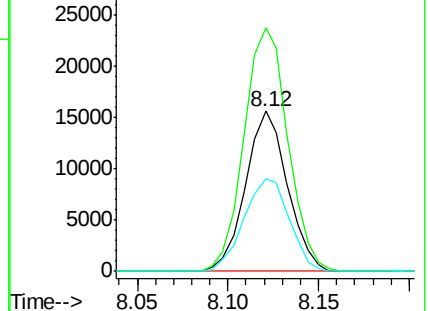
115 57.9 43.9 65.9



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: 45.68 ng

RT: 5.66 min Scan# 480

Delta R.T. -0.01 min

Lab File: BG019885.D

Acq: 4 Dec 2015 00:33

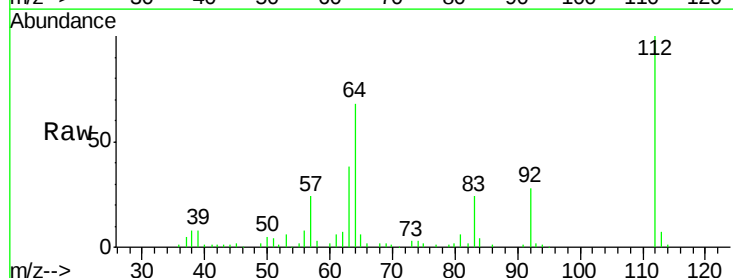
Tgt Ion:112 Resp: 63292

Ion Ratio Lower Upper

112 100

64 68.3 43.7 65.5#

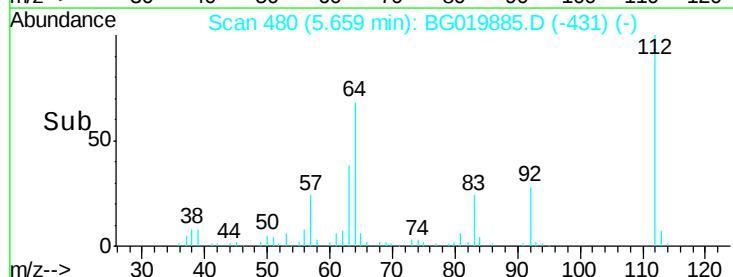
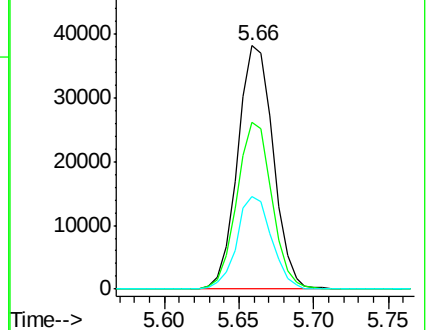
63 37.9 24.0 36.0#

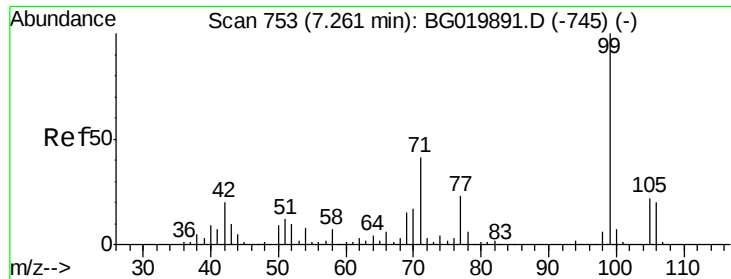


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 28.03 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG019885.D

Acq: 4 Dec 2015 00:33

Instrument :

BNA\_G

ClientSampleId :

113015-A263-F-U-B

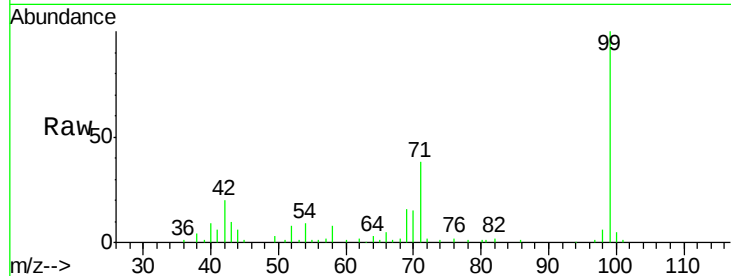
Tot Ion: 99 Resp: 58644

Ion Ratio Lower Upper

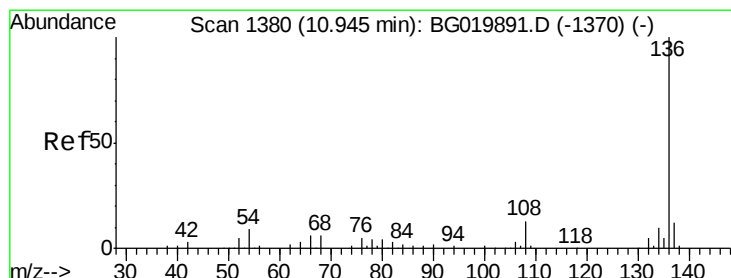
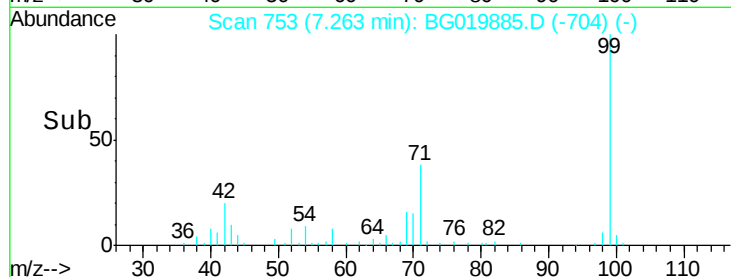
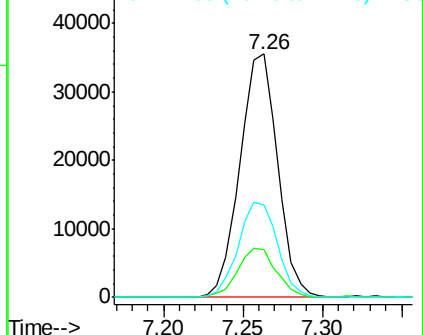
99 100

42 19.7 11.5 17.3#

71 37.9 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: 10.94 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BG019885.D

Acq: 4 Dec 2015 00:33

Tgt Ion: 136 Resp: 111265

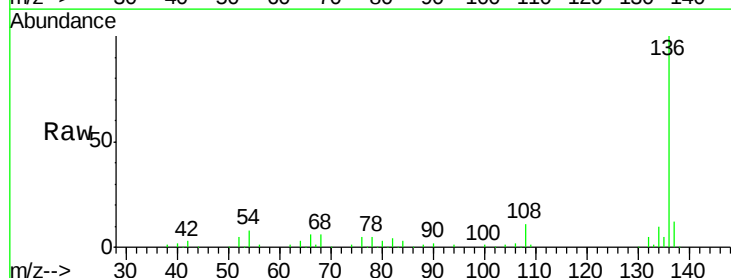
Ion Ratio Lower Upper

136 100

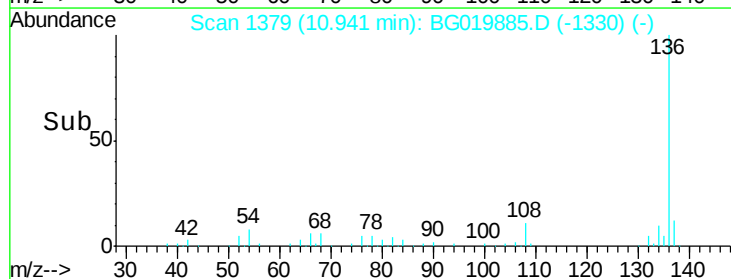
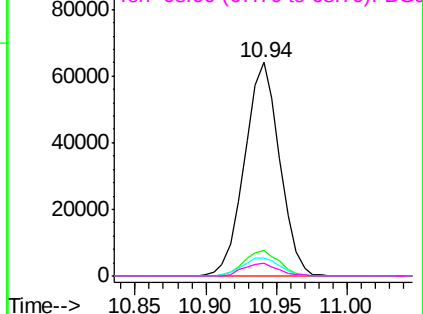
137 12.0 8.6 12.8

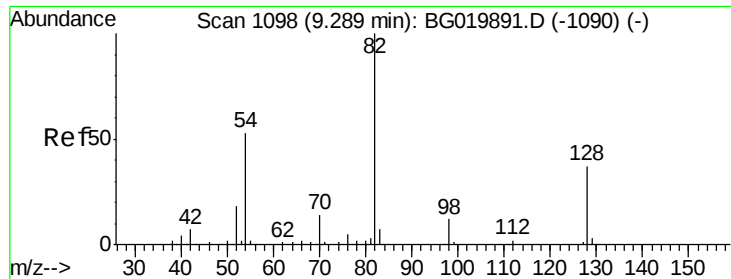
54 8.3 5.4 8.2#

68 6.2 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

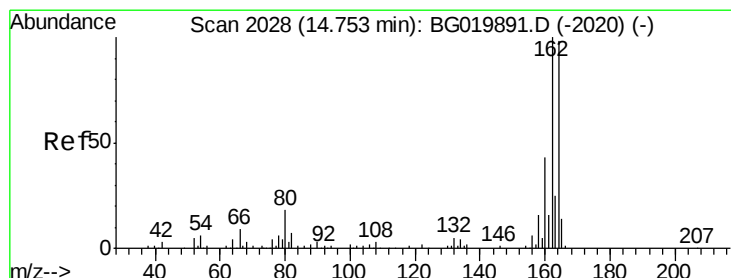
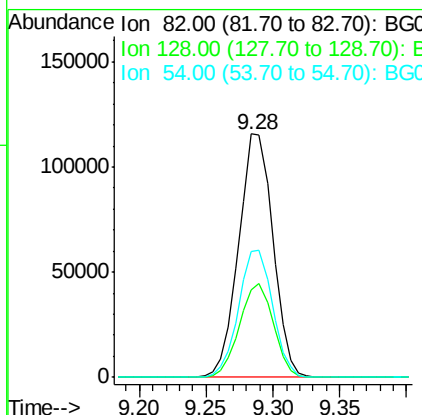
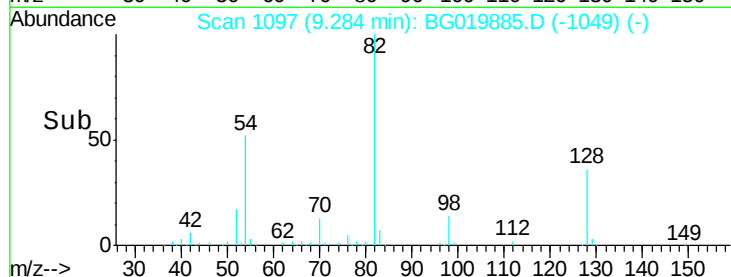
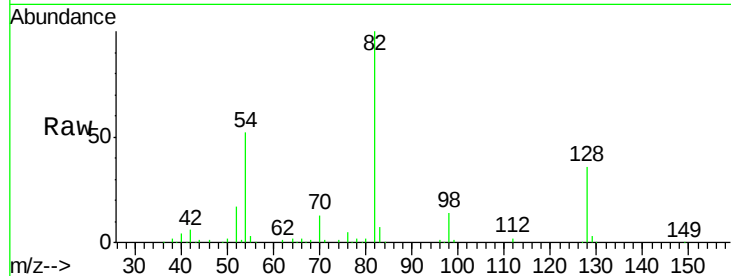




#23  
Nitrobenzene-d5  
Concen: 94.54 ng  
RT: 9.28 min Scan# 1097  
Delta R.T. -0.02 min  
Lab File: BG019885.D  
Acq: 4 Dec 2015 00:33

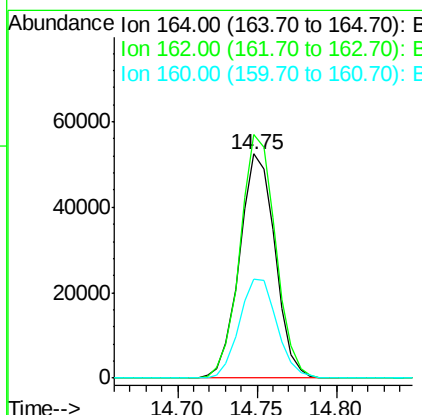
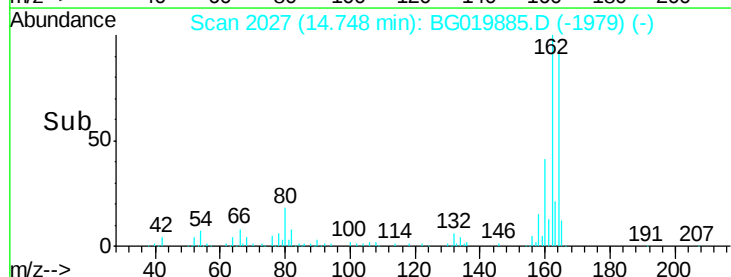
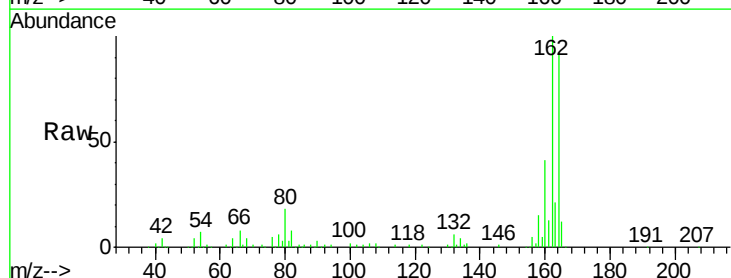
Instrument :  
BNA\_G  
ClientSampleId :  
113015-A263-F-U-B

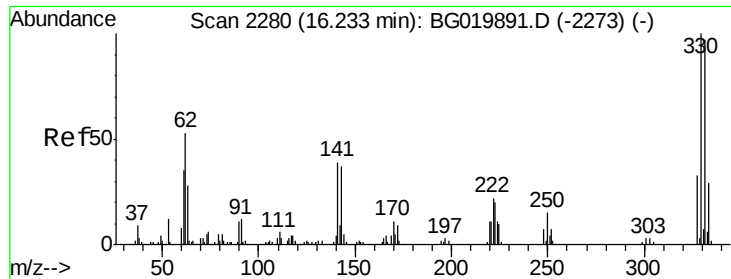
Tot Ion: 82 Resp: 206103  
Ion Ratio Lower Upper  
82 100  
128 36.1 36.7 55.1#  
54 51.9 33.8 50.8#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.75 min Scan# 2027  
Delta R.T. -0.02 min  
Lab File: BG019885.D  
Acq: 4 Dec 2015 00:33

Tgt Ion:164 Resp: 81632  
Ion Ratio Lower Upper  
164 100  
162 108.8 78.8 118.2  
160 44.4 36.4 54.6





#41

2,4,6-Tribromophenol

Concen: 89.22 ng

RT: 16.23 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BG019885.D

Acq: 4 Dec 2015 00:33

Instrument :

BNA\_G

ClientSampleId :

113015-A263-F-U-B

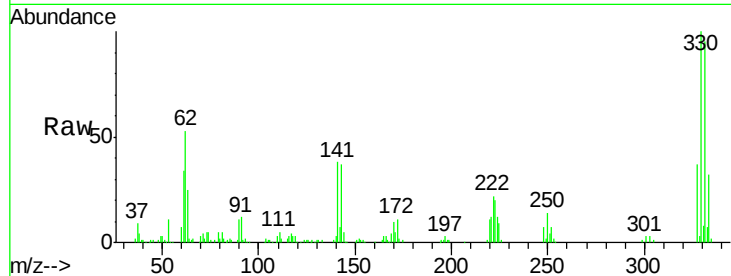
Tot Ion:330 Resp: 111439

Ion Ratio Lower Upper

330 100

332 95.2 78.1 117.1

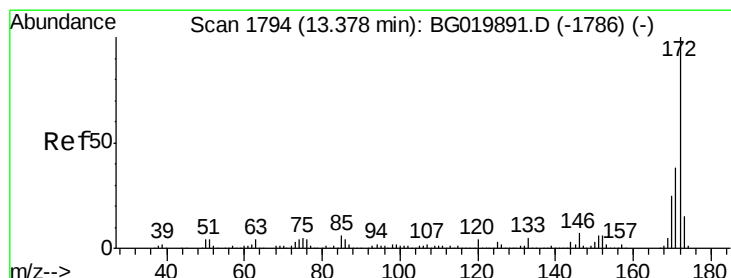
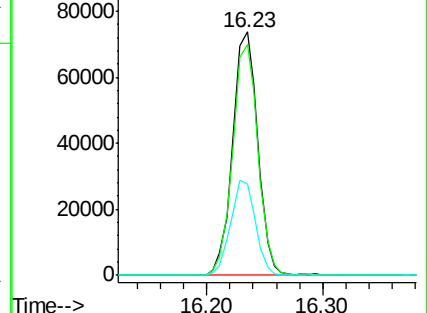
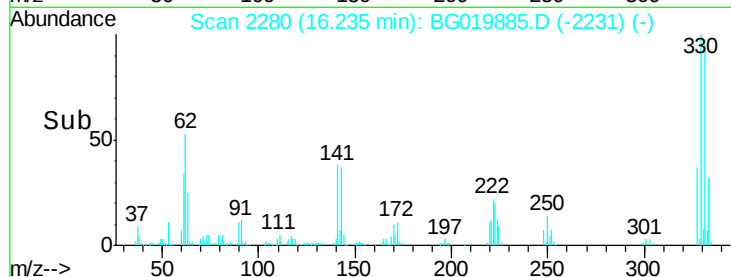
141 38.5 28.2 42.2



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: 87.46 ng

RT: 13.38 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BG019885.D

Acq: 4 Dec 2015 00:33

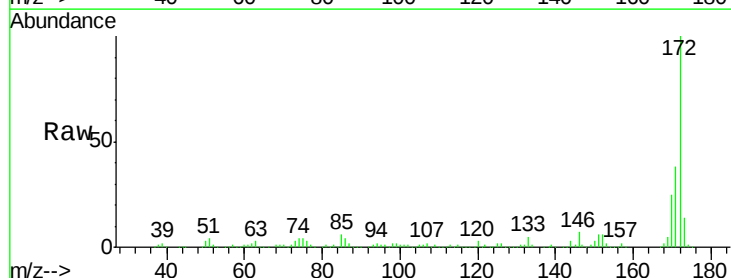
Tgt Ion:172 Resp: 522894

Ion Ratio Lower Upper

172 100

171 37.8 29.0 43.6

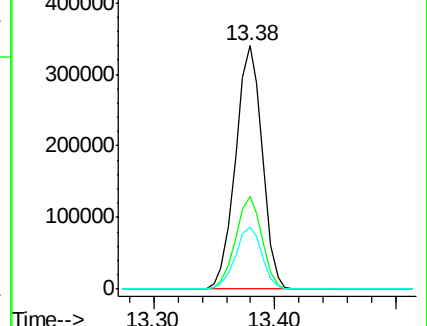
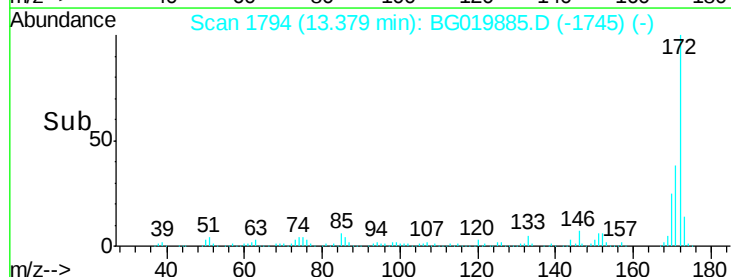
170 25.2 19.9 29.9

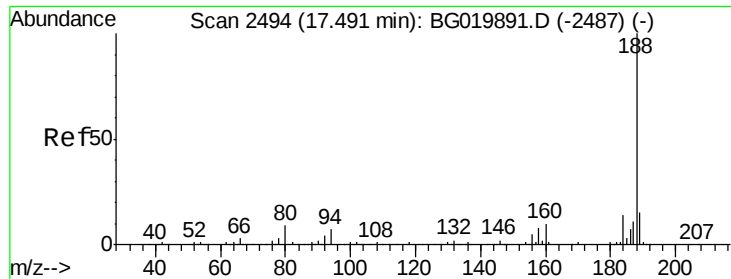


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

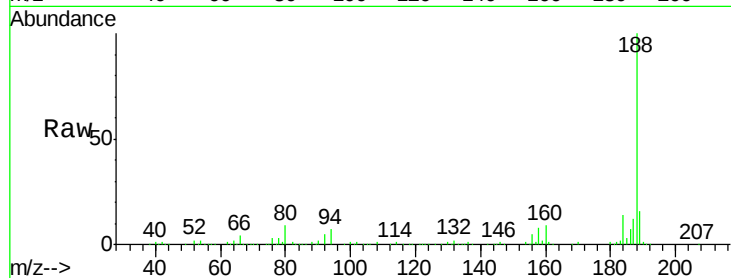




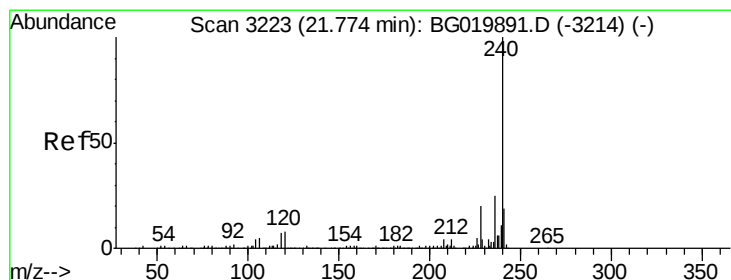
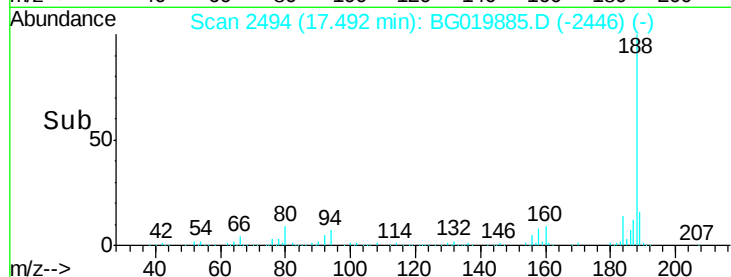
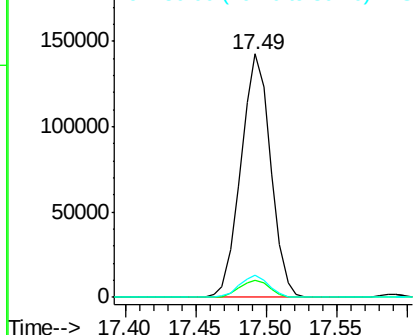
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.49 min Scan# 2494  
Delta R.T. -0.02 min  
Lab File: BG019885.D  
Acq: 4 Dec 2015 00:33

Instrument :  
BNA\_G  
ClientSampleId :  
113015-A263-F-U-B

Tot Ion:188 Resp: 210480  
Ion Ratio Lower Upper  
188 100  
94 7.1 7.7 11.5#  
80 8.9 7.8 11.8

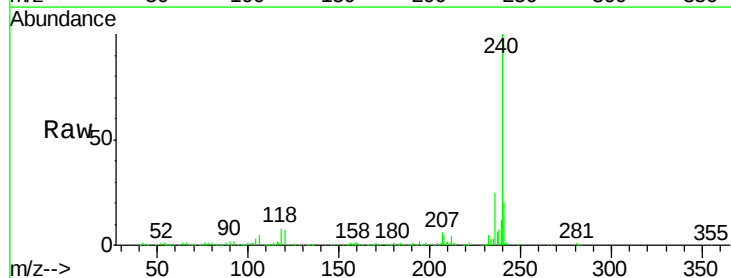


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

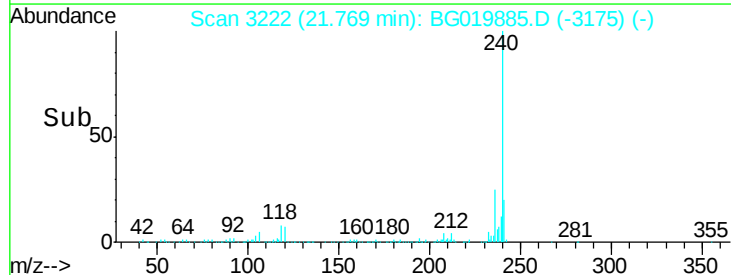
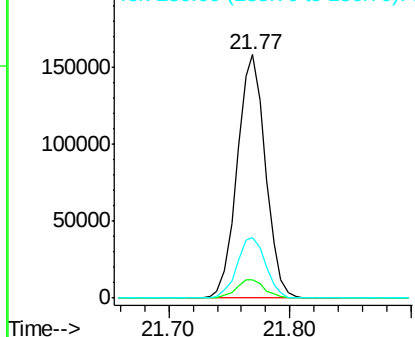


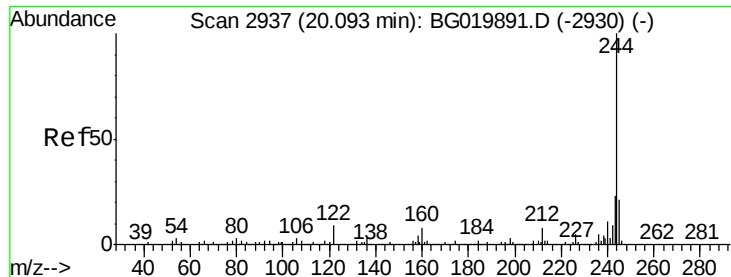
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.77 min Scan# 3222  
Delta R.T. -0.02 min  
Lab File: BG019885.D  
Acq: 4 Dec 2015 00:33

Tgt Ion:240 Resp: 258093  
Ion Ratio Lower Upper  
240 100  
120 7.4 7.4 11.0  
236 25.1 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: 89.80 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.02 min

Lab File: BG019885.D

Acq: 4 Dec 2015 00:33

Instrument :

BNA\_G

ClientSampleId :

113015-A263-F-U-B

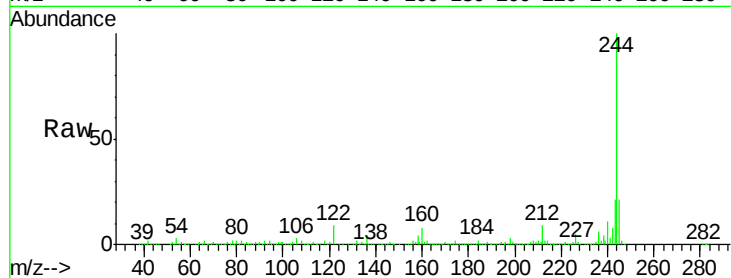
Tot Ion:244 Resp: 950187

Ion Ratio Lower Upper

244 100

212 8.8 6.9 10.3

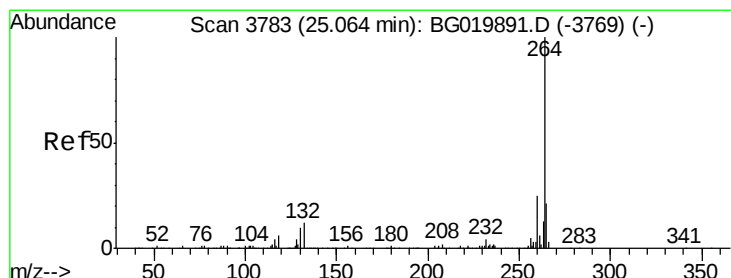
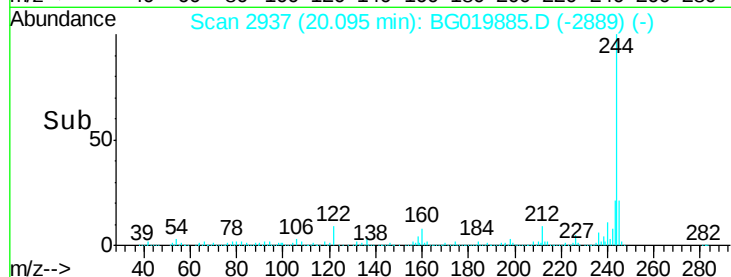
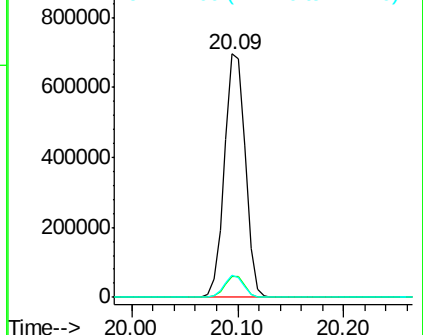
122 9.2 10.2 15.2#



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: 25.07 min Scan# 3783

Delta R.T. -0.03 min

Lab File: BG019885.D

Acq: 4 Dec 2015 00:33

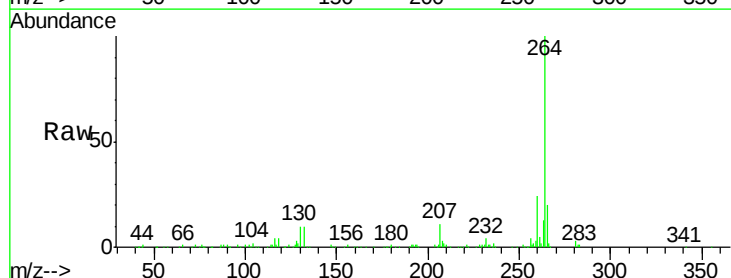
Tgt Ion:264 Resp: 242301

Ion Ratio Lower Upper

264 100

260 23.9 18.5 27.7

265 20.2 17.2 25.8



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

