

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120215\  
 Data File : BG019852.D  
 Acq On : 3 Dec 2015 2:27  
 Operator : UM/NP  
 Sample : G4624-05  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-2(0-5)

Quant Time: Dec 03 05:39:11 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

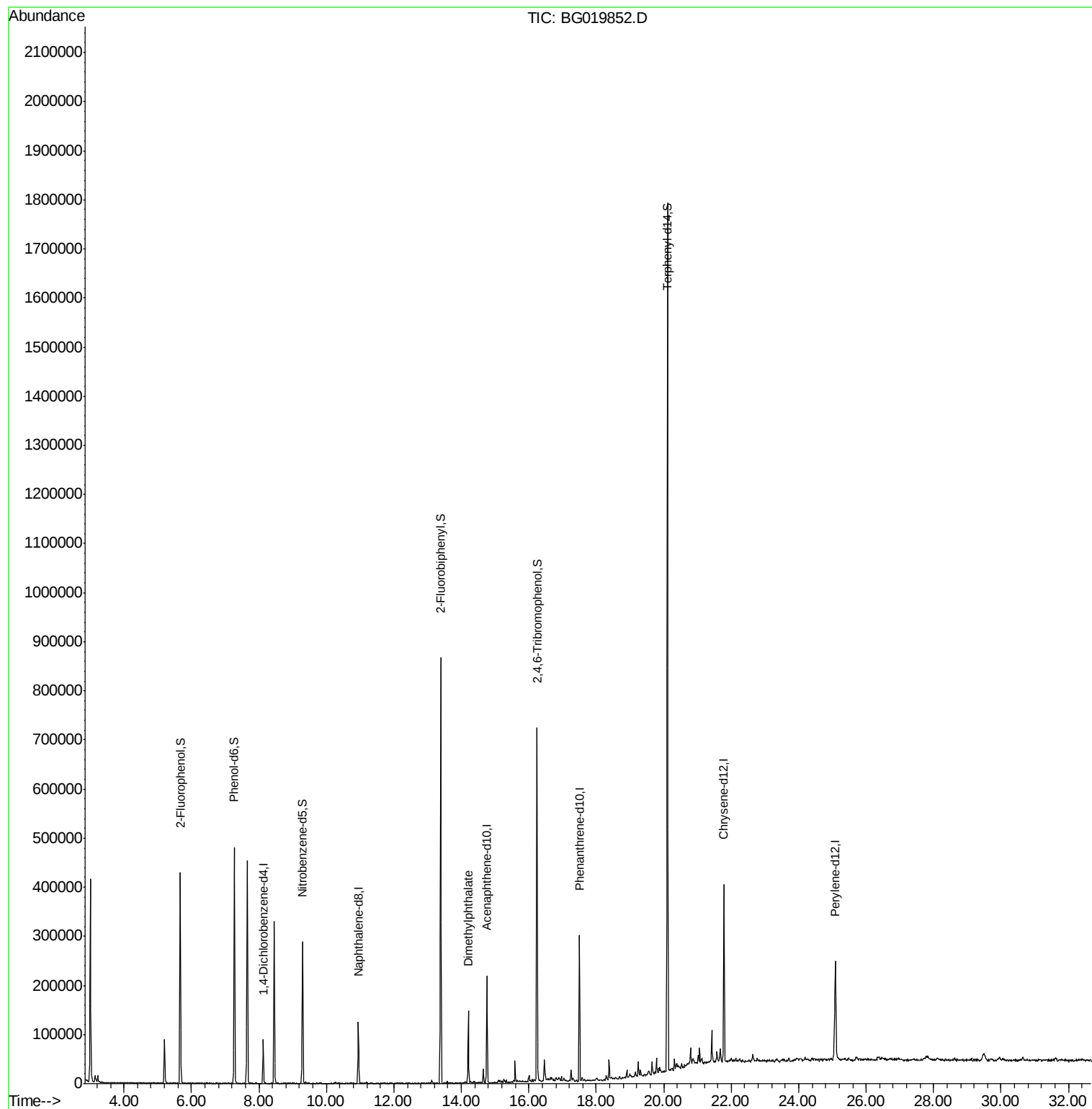
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.13  | 152  | 22975    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.95 | 136  | 101489   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.76 | 164  | 71723    | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.50 | 188  | 176024   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.78 | 240  | 225075   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 25.09 | 264  | 215705   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.67  | 112  | 168452   | 132.51 | ng    | 0.00         |
| 7) Phenol-d6                | 7.27  | 99   | 260121   | 135.53 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 172475   | 86.73  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.24 | 330  | 127760   | 116.42 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.39 | 172  | 433252   | 82.48  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.11 | 244  | 733731   | 79.52  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.20 | 163  | 89869    | 13.93  | ng    | Qvalue<br>98 |

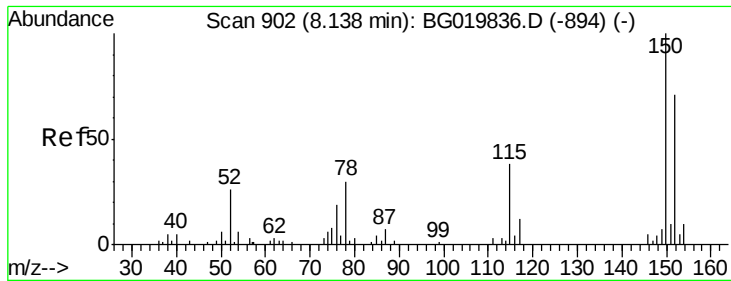
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120215\  
Data File : BG019852.D  
Acq On : 3 Dec 2015 2:27  
Operator : UM/NP  
Sample : G4624-05  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2(0-5)

Quant Time: Dec 03 05:39:11 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: 8.13 min Scan# 900

Delta R.T. -0.01 min

Lab File: BG019852.D

Acq: 3 Dec 2015 2:27

Instrument :

BNA\_G

ClientSampleId :

SB-2(0-5)

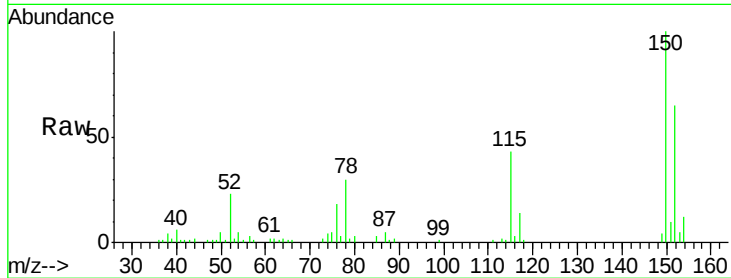
Tgt Ion:152 Resp: 22975

Ion Ratio Lower Upper

152 100

150 154.3 115.0 172.4

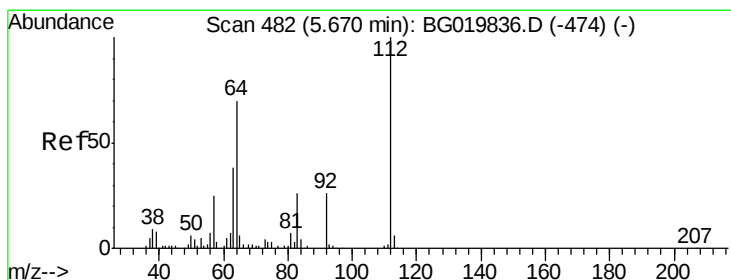
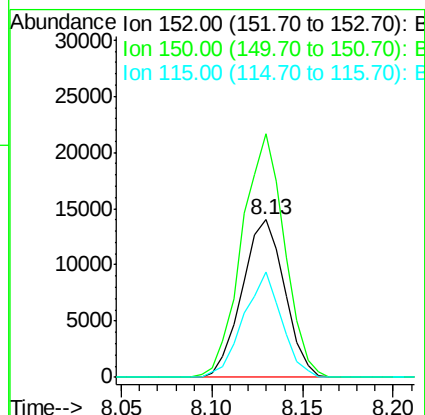
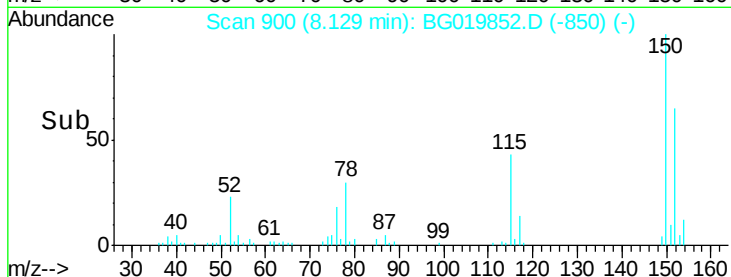
115 66.4 43.9 65.9#



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: 132.51 ng

RT: 5.67 min Scan# 481

Delta R.T. -0.00 min

Lab File: BG019852.D

Acq: 3 Dec 2015 2:27

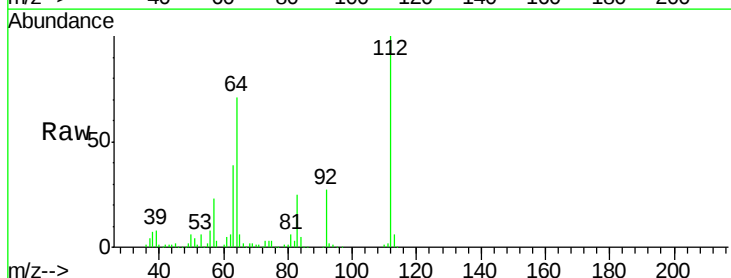
Tgt Ion:112 Resp: 168452

Ion Ratio Lower Upper

112 100

64 71.0 43.7 65.5#

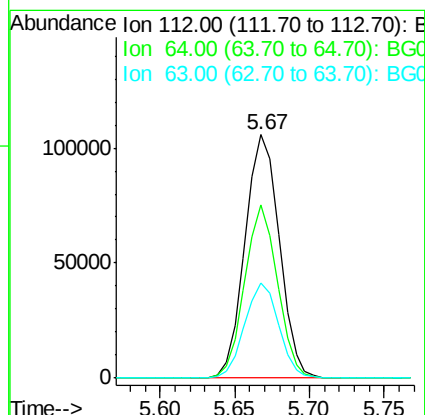
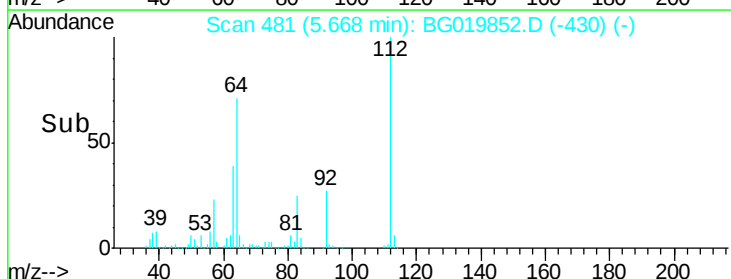
63 39.0 24.0 36.0#

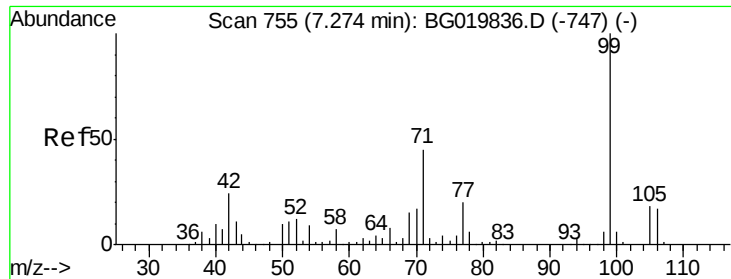


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 135.53 ng

RT: 7.27 min Scan# 754

Delta R.T. -0.00 min

Lab File: BG019852.D

Acq: 3 Dec 2015 2:27

Instrument :

BNA\_G

ClientSampleId :

SB-2(0-5)

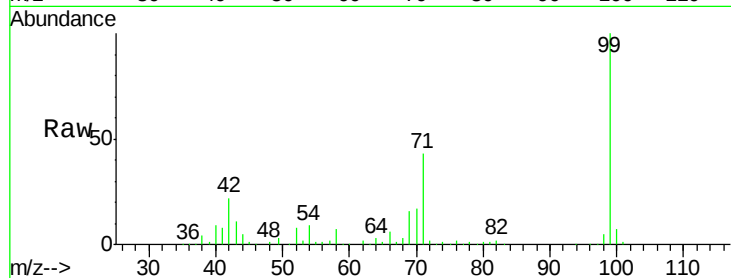
Tgt Ion: 99 Resp: 260121

Ion Ratio Lower Upper

99 100

42 21.5 11.5 17.3#

71 42.8 22.6 34.0#

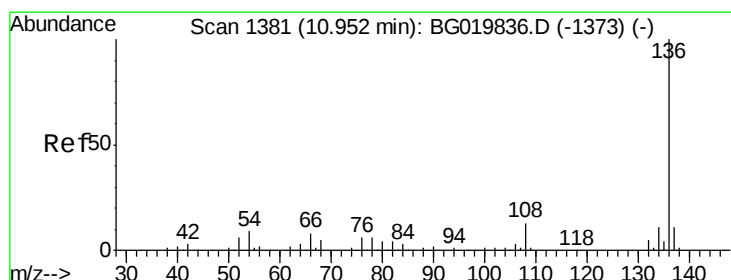
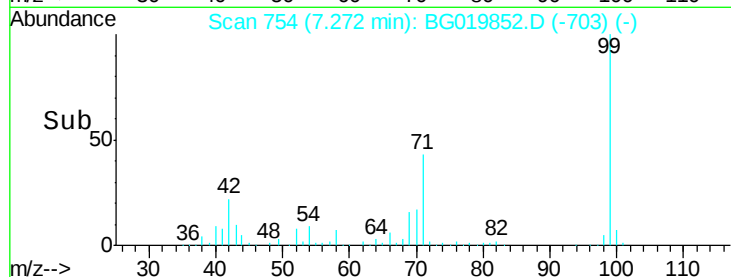
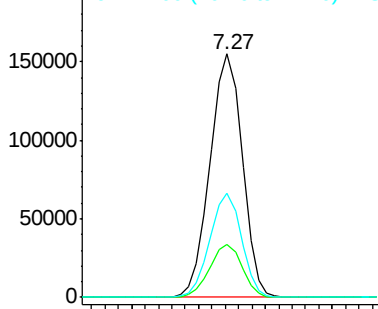


Abundance

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: 10.95 min Scan# 1380

Delta R.T. -0.00 min

Lab File: BG019852.D

Acq: 3 Dec 2015 2:27

Tgt Ion: 136 Resp: 101489

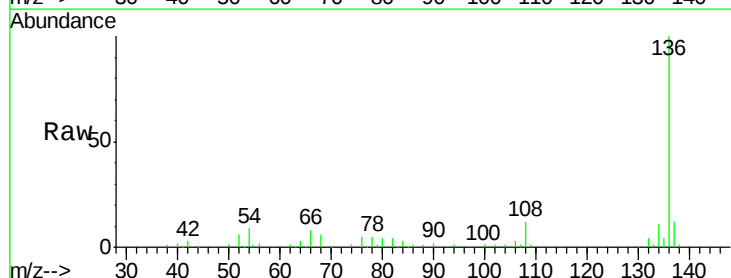
Ion Ratio Lower Upper

136 100

137 12.3 8.6 12.8

54 8.9 5.4 8.2#

68 6.3 5.3 7.9



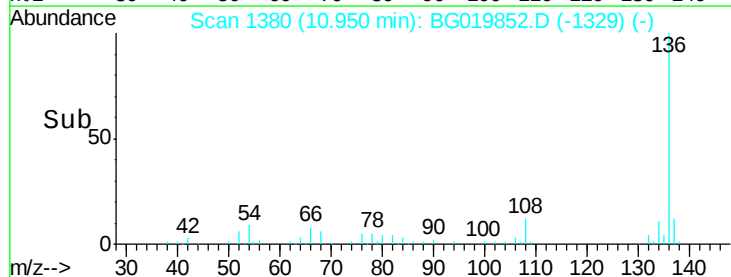
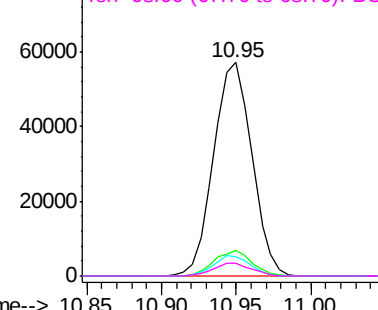
Abundance

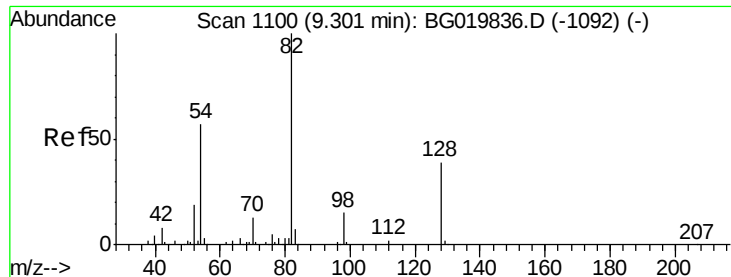
Ion 136.00 (135.70 to 136.70): BGC

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

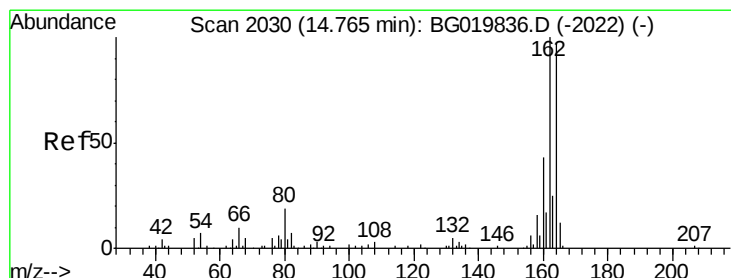
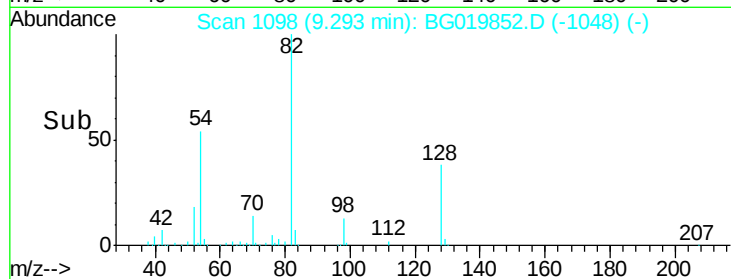
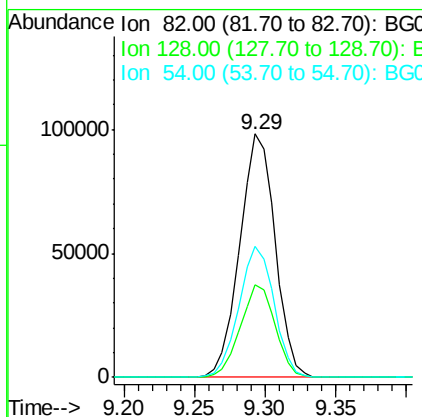
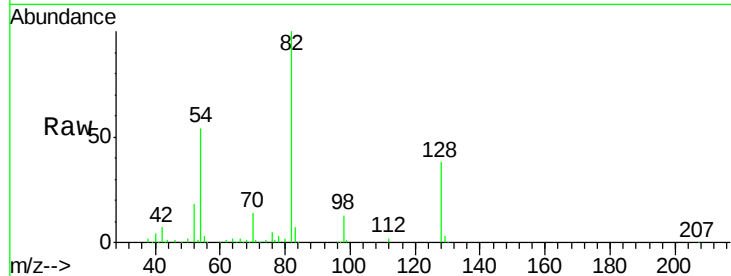




#23  
Nitrobenzene-d5  
Concen: 86.73 ng  
RT: 9.29 min Scan# 1098  
Delta R.T. -0.01 min  
Lab File: BG019852.D  
Acq: 3 Dec 2015 2:27

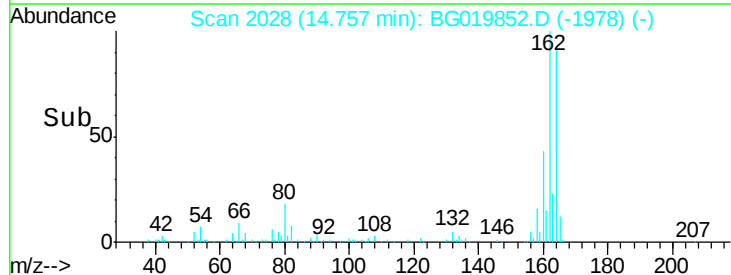
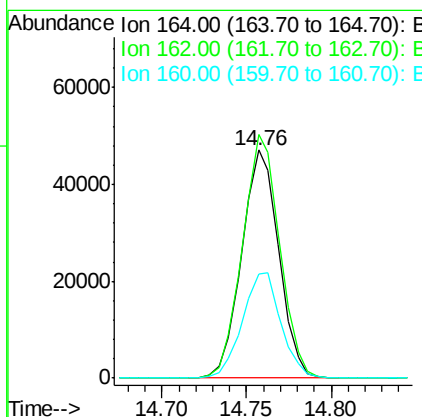
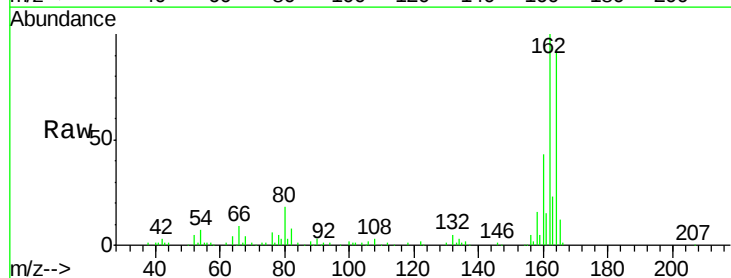
Instrument :  
BNA\_G  
ClientSampleId :  
SB-2(0-5)

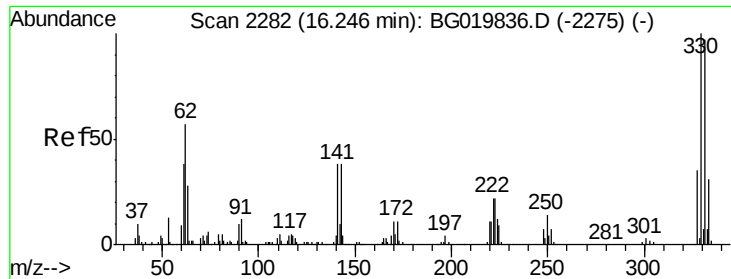
Tgt Ion: 82 Resp: 172475  
Ion Ratio Lower Upper  
82 100  
128 37.8 36.7 55.1  
54 53.9 33.8 50.8#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.76 min Scan# 2028  
Delta R.T. -0.01 min  
Lab File: BG019852.D  
Acq: 3 Dec 2015 2:27

Tgt Ion:164 Resp: 71723  
Ion Ratio Lower Upper  
164 100  
162 107.0 78.8 118.2  
160 45.8 36.4 54.6

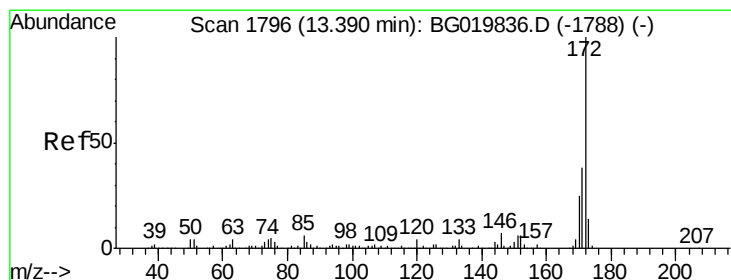
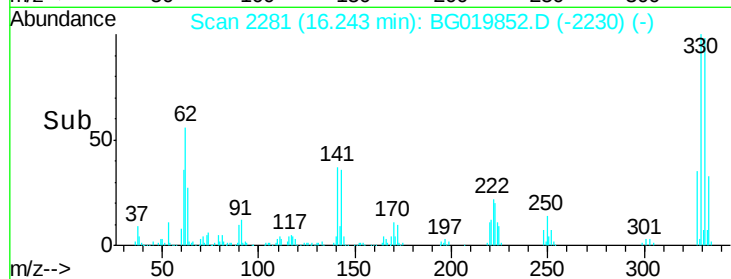
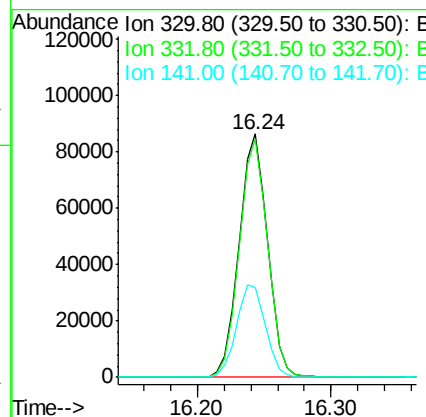
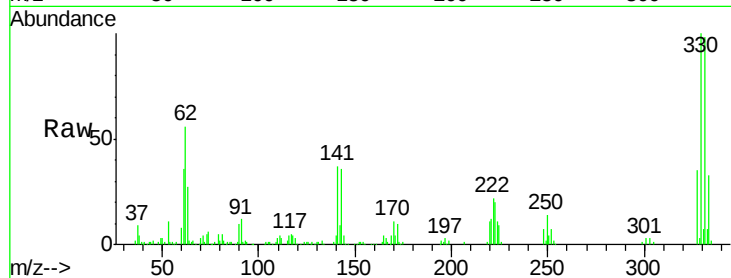




#41  
 2,4,6-Tribromophenol  
 Concen: 116.42 ng  
 RT: 16.24 min Scan# 2281  
 Delta R.T. -0.00 min  
 Lab File: BG019852.D  
 Acq: 3 Dec 2015 2:27

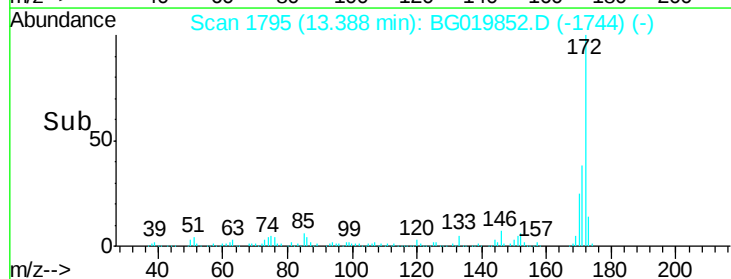
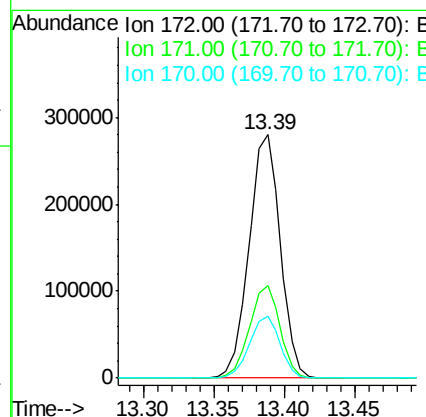
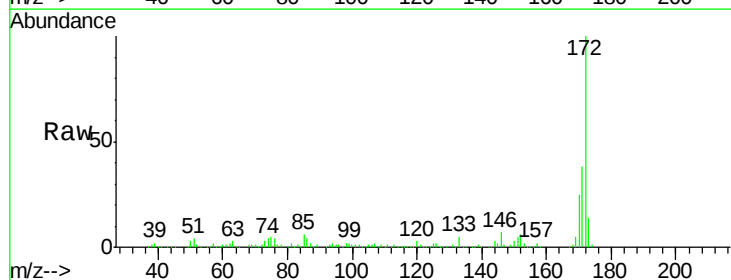
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-2(0-5)

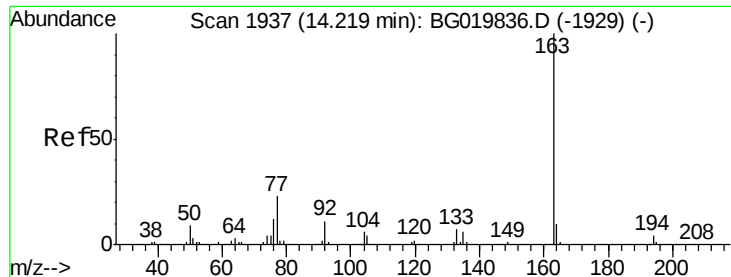
Tgt Ion:330 Resp: 127760  
 Ion Ratio Lower Upper  
 330 100  
 332 97.7 78.1 117.1  
 141 39.1 28.2 42.2



#44  
 2-Fluorobiphenyl  
 Concen: 82.48 ng  
 RT: 13.39 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: BG019852.D  
 Acq: 3 Dec 2015 2:27

Tgt Ion:172 Resp: 433252  
 Ion Ratio Lower Upper  
 172 100  
 171 38.1 29.0 43.6  
 170 25.3 19.9 29.9





#49

Dimethylphthalate

Concen: 13.93 ng

RT: 14.20 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BG019852.D

Acq: 3 Dec 2015 2:27

Instrument :

BNA\_G

ClientSampleId :

SB-2(0-5)

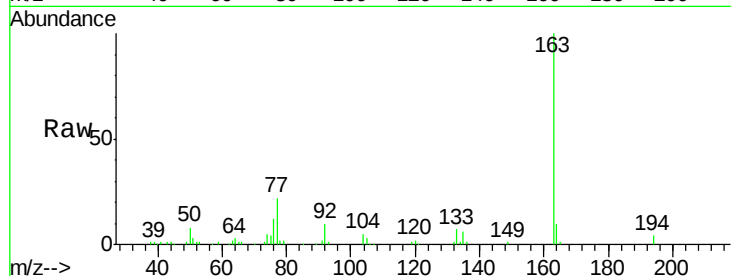
Tgt Ion:163 Resp: 89869

Ion Ratio Lower Upper

163 100

194 4.5 3.1 4.7

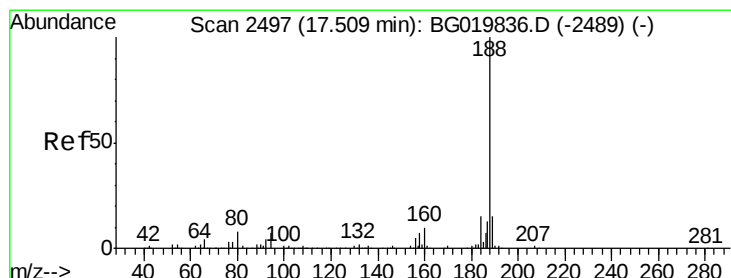
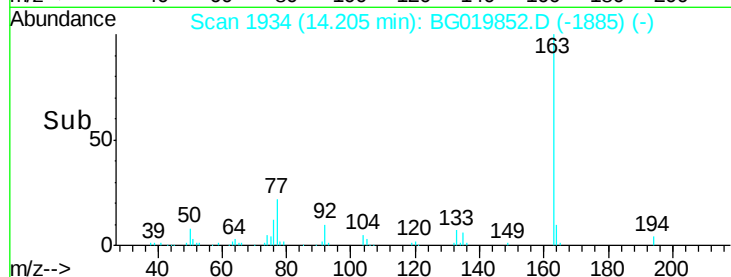
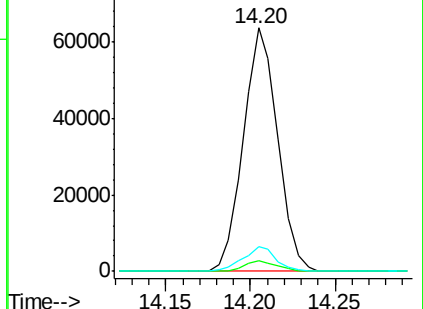
164 10.0 8.8 13.2



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: 17.50 min Scan# 2495

Delta R.T. -0.01 min

Lab File: BG019852.D

Acq: 3 Dec 2015 2:27

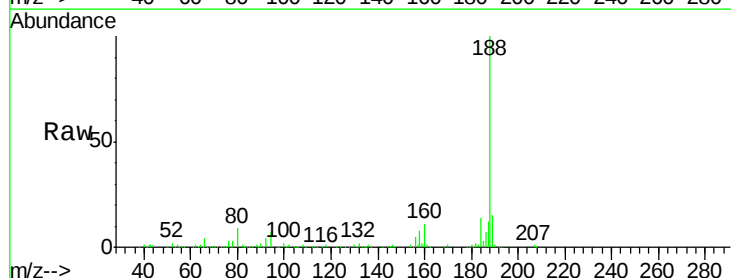
Tgt Ion:188 Resp: 176024

Ion Ratio Lower Upper

188 100

94 6.6 7.7 11.5#

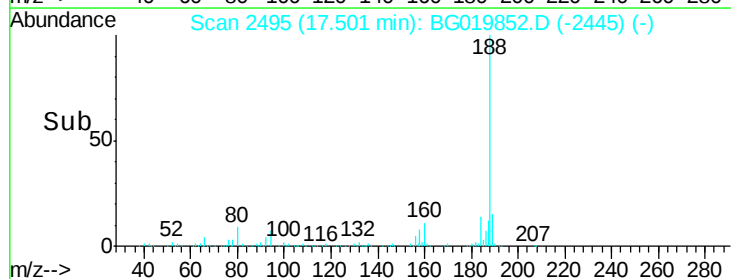
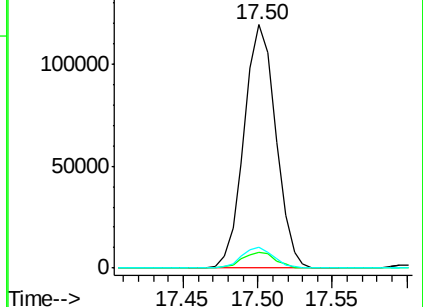
80 8.6 7.8 11.8

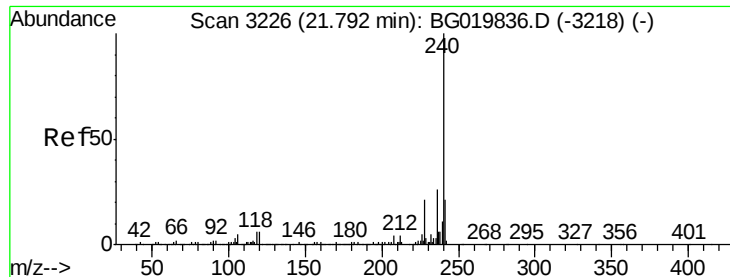


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.78 min Scan# 3224

Delta R.T. -0.01 min

Lab File: BG019852.D

Acq: 3 Dec 2015 2:27

Instrument :

BNA\_G

ClientSampleId :

SB-2(0-5)

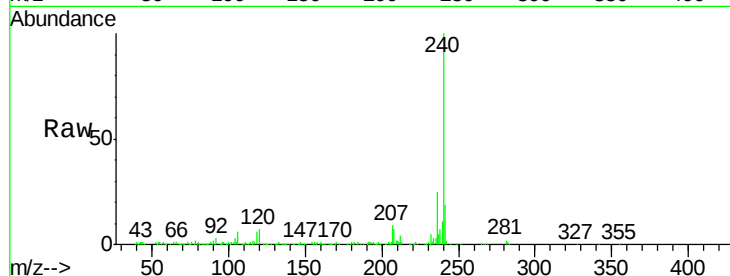
Tgt Ion:240 Resp: 225075

Ion Ratio Lower Upper

240 100

120 7.5 7.4 11.0

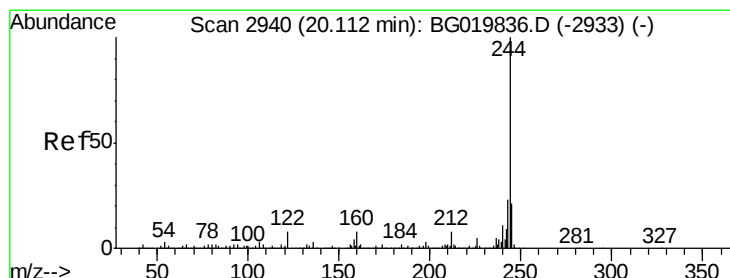
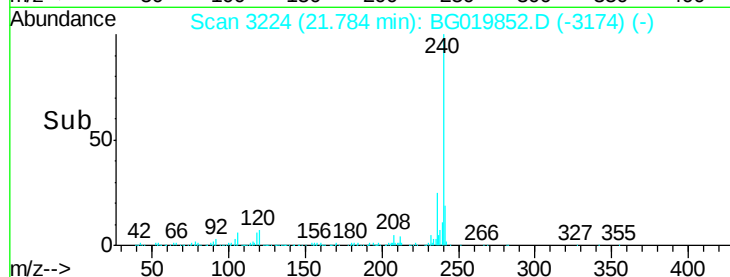
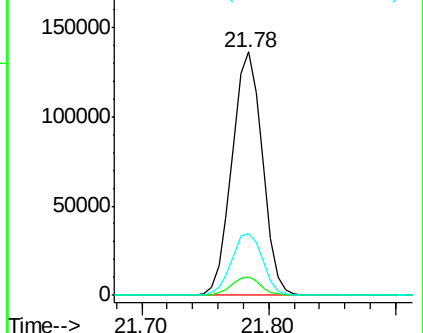
236 25.2 20.7 31.1



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: 79.52 ng

RT: 20.11 min Scan# 2939

Delta R.T. -0.00 min

Lab File: BG019852.D

Acq: 3 Dec 2015 2:27

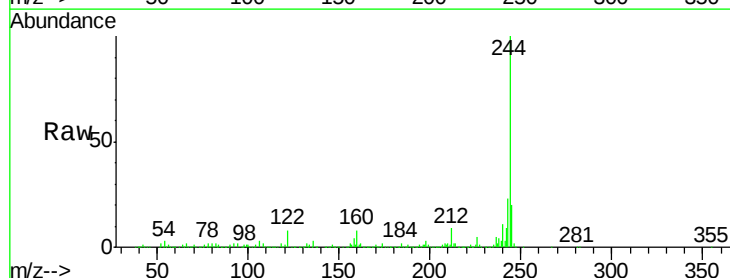
Tgt Ion:244 Resp: 733731

Ion Ratio Lower Upper

244 100

212 8.5 6.9 10.3

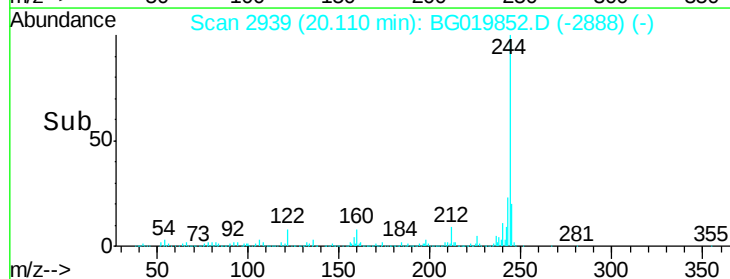
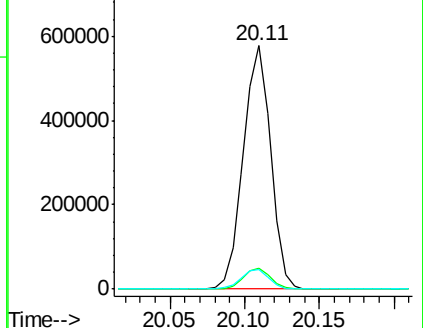
122 8.0 10.2 15.2#



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: 25.09 min Scan# 3786  
Delta R.T. -0.01 min  
Lab File: BG019852.D  
Acq: 3 Dec 2015 2:27

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2(0-5)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 215705 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.6  | 18.5  | 27.7   |
| 265      | 21.5  | 17.2  | 25.8   |

