

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041315\  
 Data File : BG016381.D  
 Acq On : 14 Apr 2015 4:52  
 Operator : TP/IZ  
 Sample : G1851-01  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FS-026

Quant Time: Apr 14 05:47:44 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 14 03:43:26 2015  
 Response via : Initial Calibration

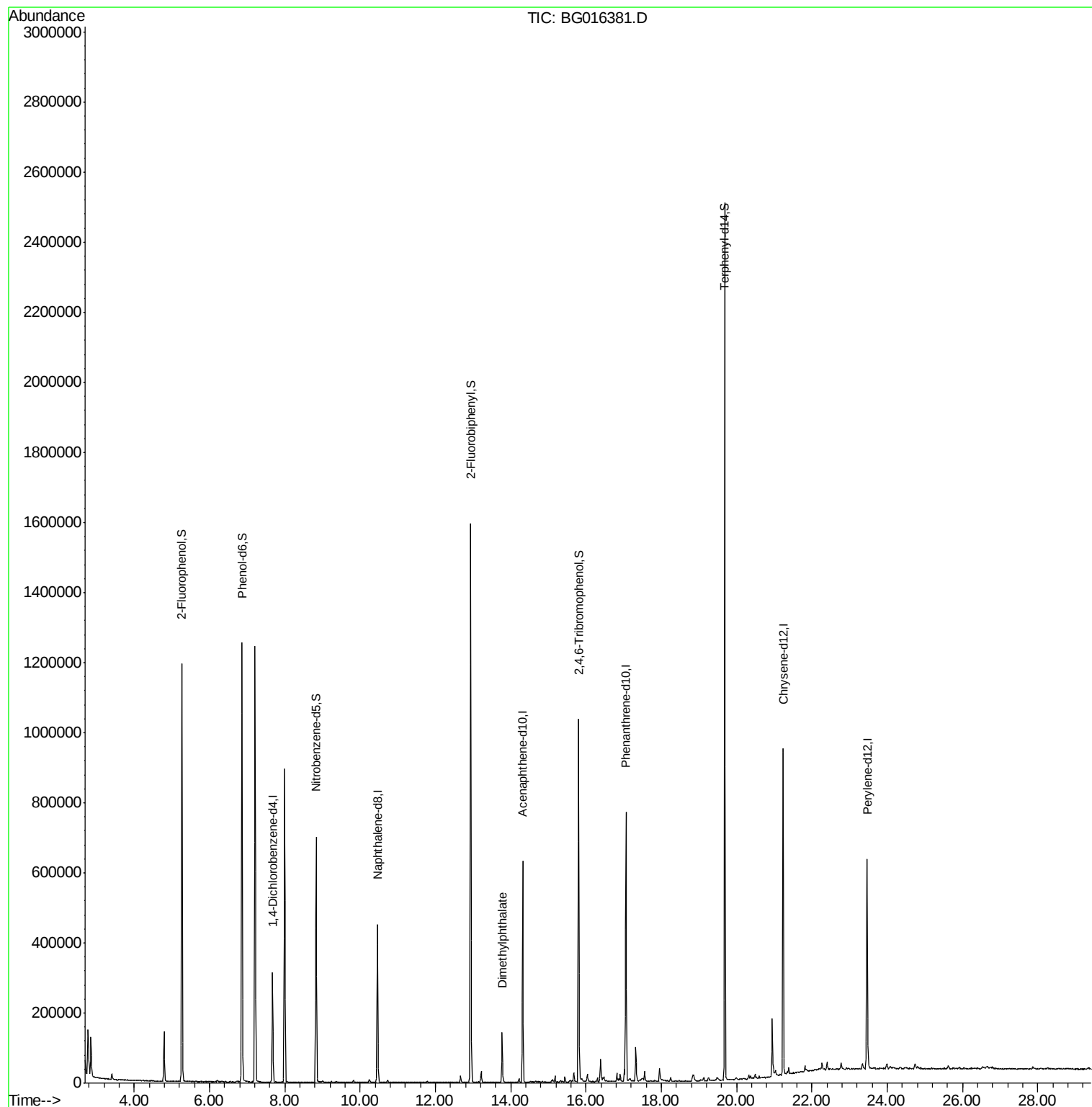
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.68  | 152  | 84203    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.46 | 136  | 368294   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.32 | 164  | 200761   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.06 | 188  | 416311   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.24 | 240  | 387038   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 23.47 | 264  | 358612   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.27  | 112  | 573390   | 107.47 | ng    | 0.00         |
| 7) Phenol-d6                | 6.86  | 99   | 785528   | 98.08  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 8.83  | 82   | 404972   | 63.70  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 15.81 | 330  | 145498   | 107.16 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 12.93 | 172  | 785609   | 66.63  | ng    | 0.00         |
| 78) Terphenyl-d14           | 19.69 | 244  | 926903   | 56.05  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 13.77 | 163  | 86590    | 5.88   | ng    | Qvalue<br>99 |

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

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BNA\_G  
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FS-026

Quant Time: Apr 14 05:47:44 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Apr 14 03:43:26 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.68 min Scan# 849

Delta R.T. -0.00 min

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Acq: 14 Apr 2015 4:52

Instrument :

BNA\_G

ClientSampleId :

FS-026

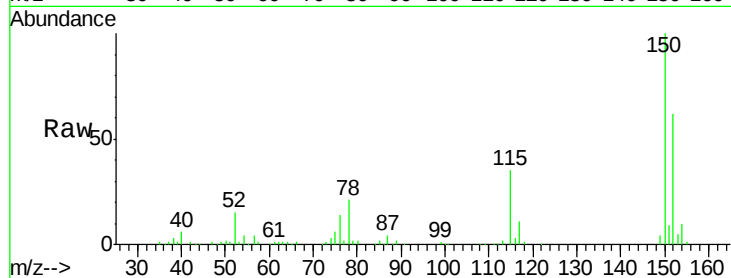
Tgt Ion:152 Resp: 84203

Ion Ratio Lower Upper

152 100

150 160.3 130.1 195.1

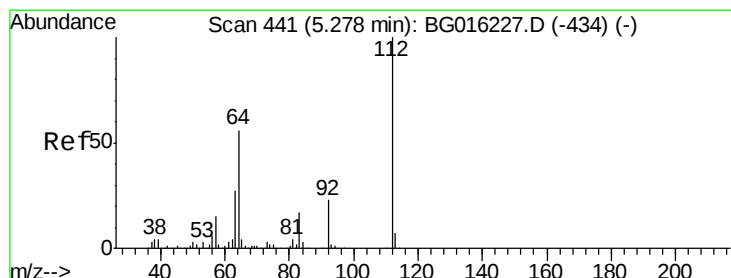
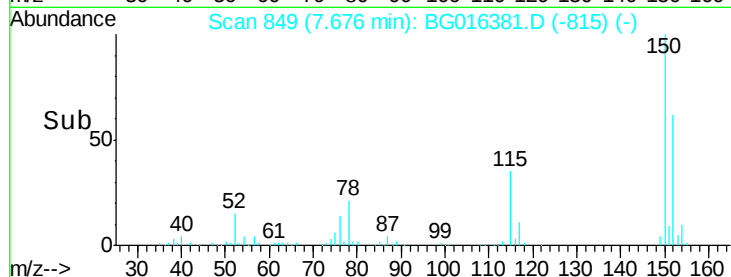
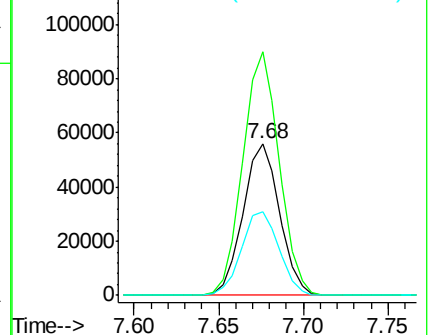
115 55.3 50.5 75.7



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: 107.47 ng

RT: 5.27 min Scan# 439

Delta R.T. 0.01 min

Lab File: BG016381.D

Acq: 14 Apr 2015 4:52

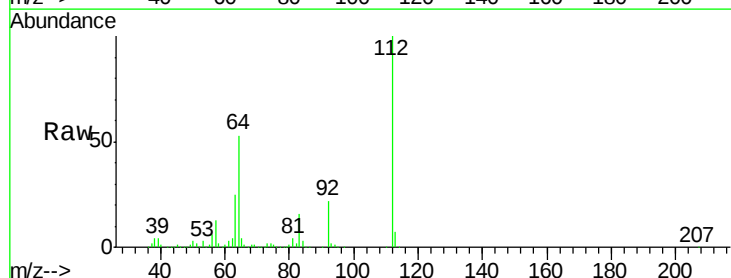
Tgt Ion:112 Resp: 573390

Ion Ratio Lower Upper

112 100

64 52.8 44.5 66.7

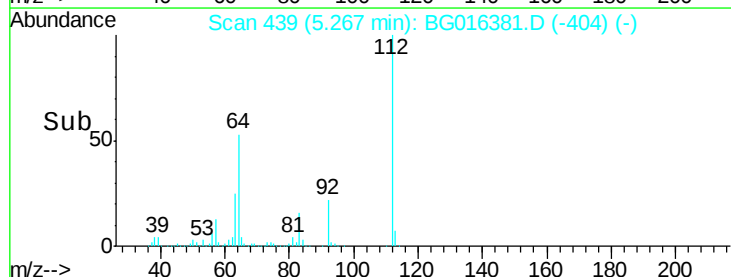
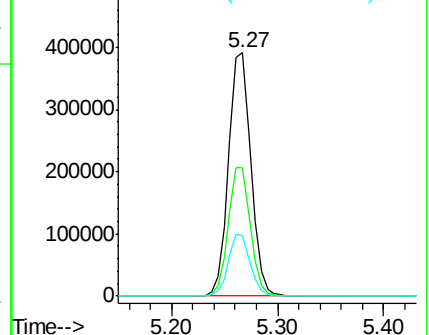
63 24.7 21.4 32.0

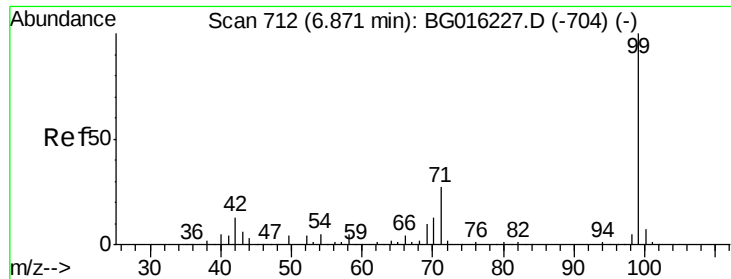


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 98.08 ng

RT: 6.86 min Scan# 710

Delta R.T. -0.00 min

Lab File: BG016381.D

Acq: 14 Apr 2015 4:52

Instrument :

BNA\_G

ClientSampleId :

FS-026

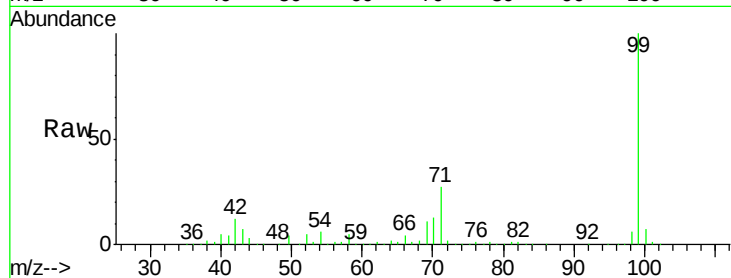
Tgt Ion: 99 Resp: 78528

Ion Ratio Lower Upper

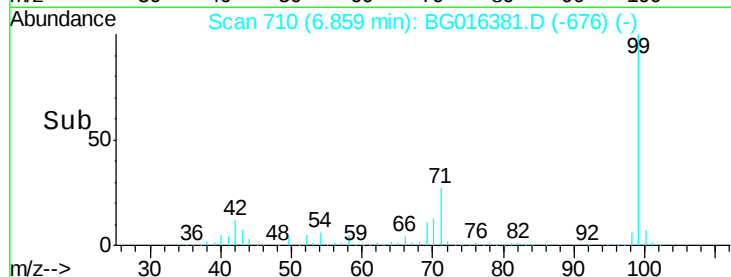
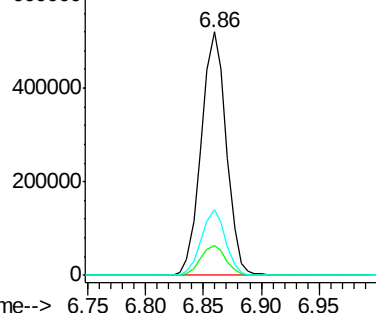
99 100

42 12.2 10.0 15.0

71 26.8 21.5 32.3



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: 10.46 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BG016381.D

Acq: 14 Apr 2015 4:52

Tgt Ion: 136 Resp: 368294

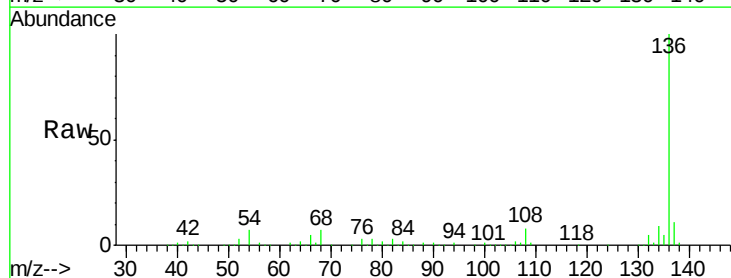
Ion Ratio Lower Upper

136 100

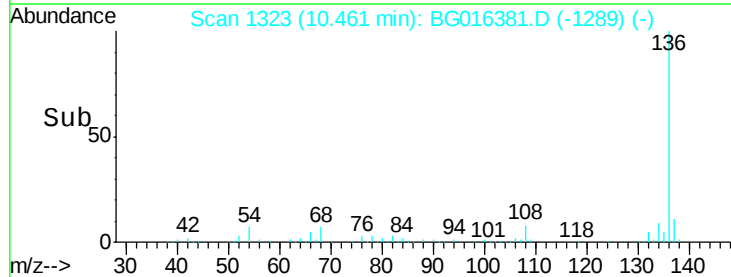
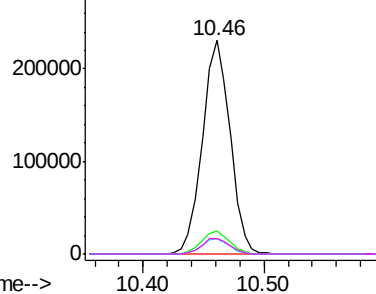
137 11.1 8.7 13.1

54 7.0 6.3 9.5

68 7.4 6.5 9.7



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

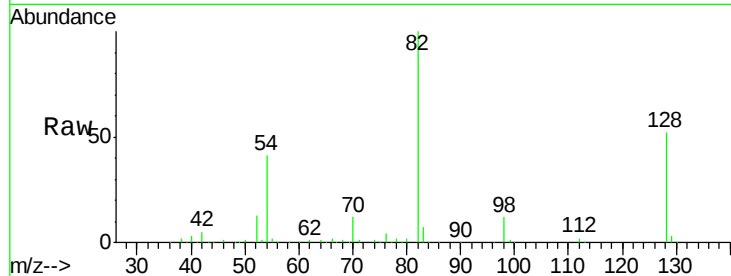




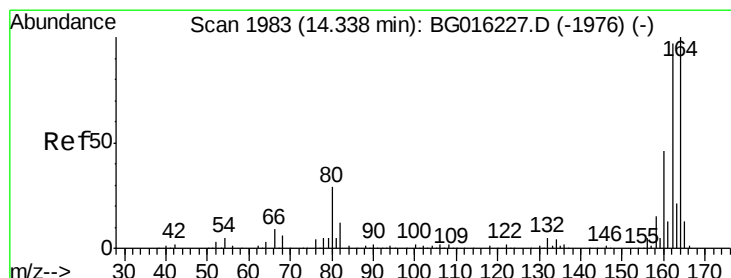
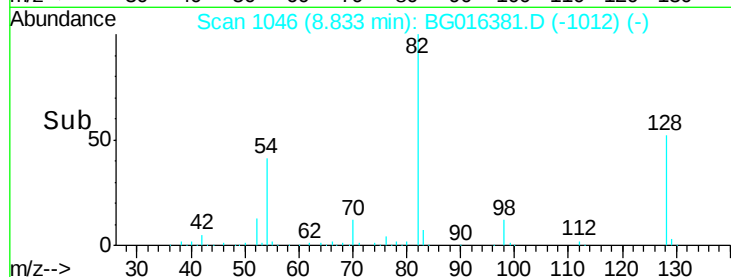
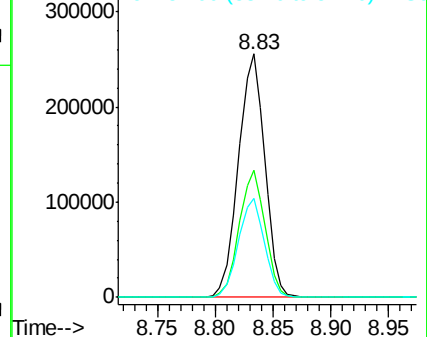
#23  
 Nitrobenzene-d5  
 Concen: 63.70 ng  
 RT: 8.83 min Scan# 1046  
 Delta R.T. -0.00 min  
 Lab File: BG016381.D  
 Acq: 14 Apr 2015 4:52

Instrument :  
 BNA\_G  
 ClientSampled :  
 FS-026

Tgt Ion: 82 Resp: 404972  
 Ion Ratio Lower Upper  
 82 100  
 128 52.3 37.8 56.8  
 54 40.6 32.6 49.0

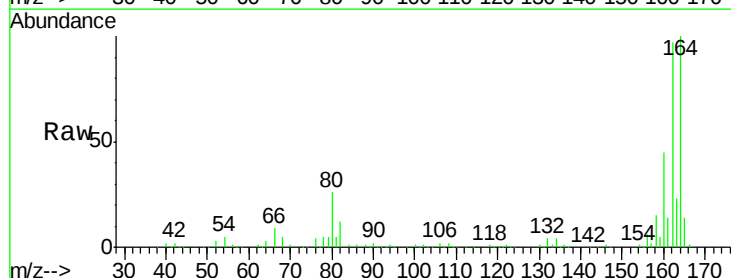


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

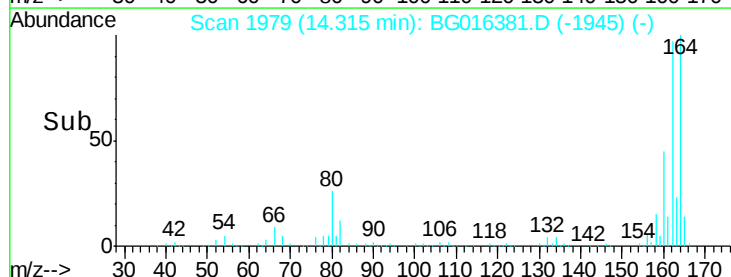
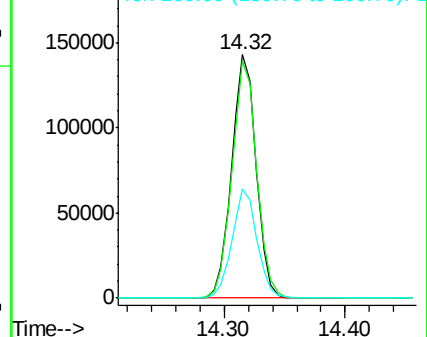


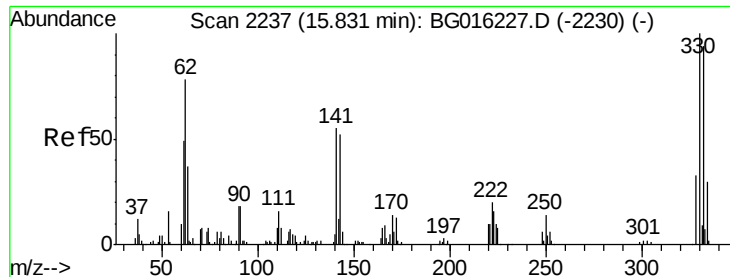
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.32 min Scan# 1979  
 Delta R.T. -0.00 min  
 Lab File: BG016381.D  
 Acq: 14 Apr 2015 4:52

Tgt Ion: 164 Resp: 200761  
 Ion Ratio Lower Upper  
 164 100  
 162 97.5 77.3 115.9  
 160 44.8 36.7 55.1



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

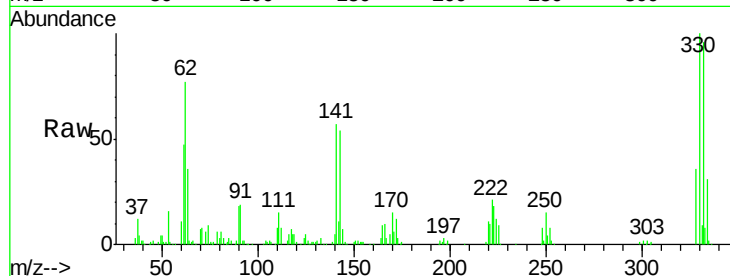




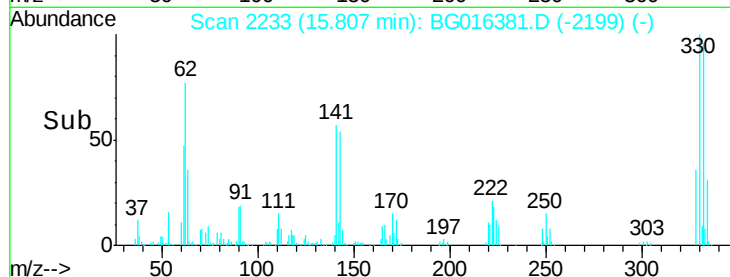
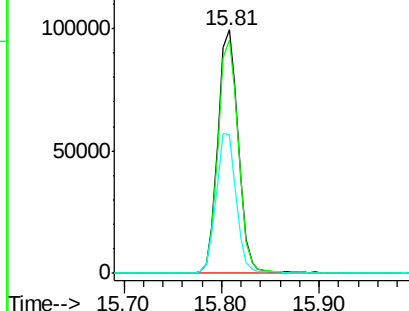
#41  
 2,4,6-Tribromophenol  
 Concen: 107.16 ng  
 RT: 15.81 min Scan# 2233  
 Delta R.T. -0.00 min  
 Lab File: BG016381.D  
 Acq: 14 Apr 2015 4:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FS-026

Tgt Ion:330 Resp: 145498  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 75.8 113.6  
 141 56.2 46.6 69.8

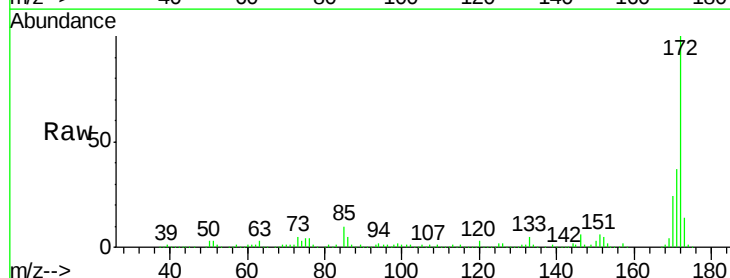


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

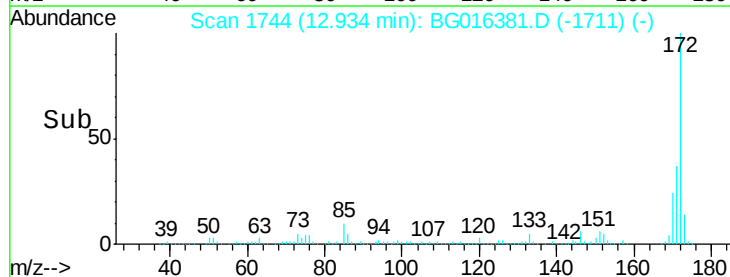
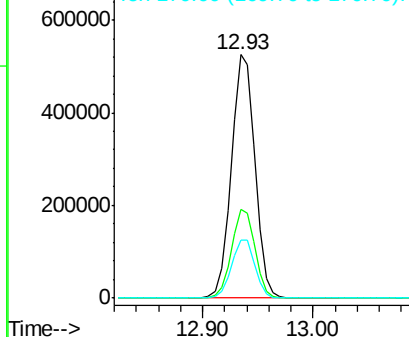


#44  
 2-Fluorobiphenyl  
 Concen: 66.63 ng  
 RT: 12.93 min Scan# 1744  
 Delta R.T. -0.01 min  
 Lab File: BG016381.D  
 Acq: 14 Apr 2015 4:52

Tgt Ion:172 Resp: 785609  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.6 44.4  
 170 23.9 19.4 29.2



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: 5.88 ng

RT: 13.77 min Scan# 1887

Delta R.T. -0.01 min

Lab File: BG016381.D

Acq: 14 Apr 2015 4:52

Instrument :

BNA\_G

ClientSampleId :

FS-026

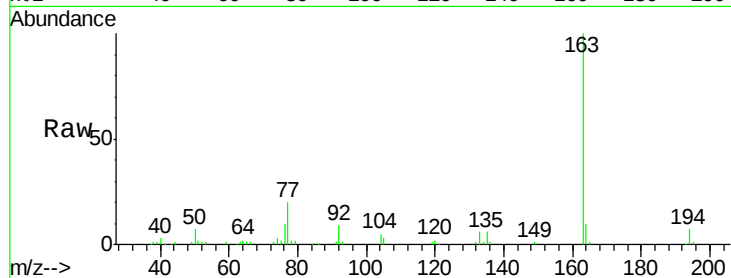
Tgt Ion:163 Resp: 86590

Ion Ratio Lower Upper

163 100

194 6.6 5.0 7.4

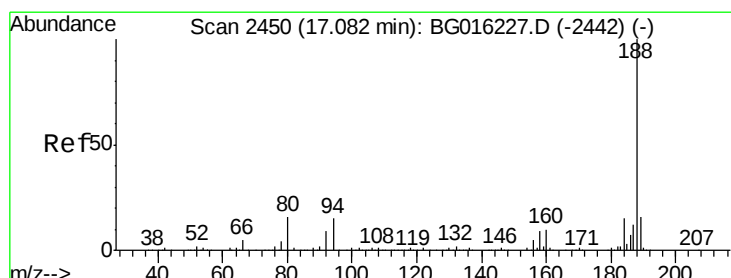
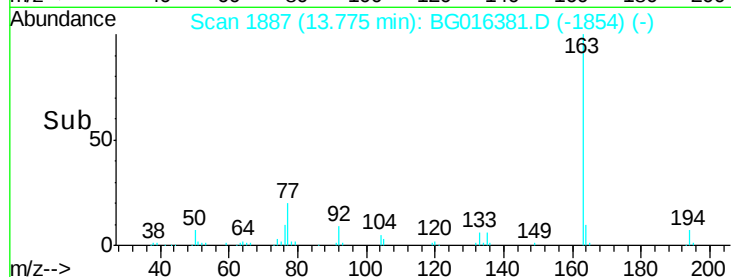
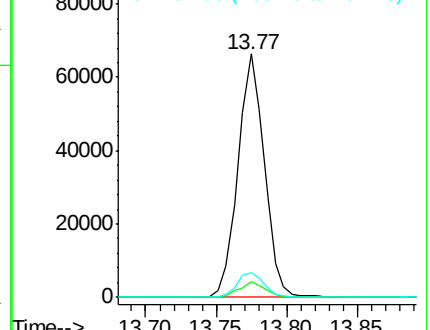
164 10.1 8.2 12.4



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: 20.00 ng

RT: 17.06 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BG016381.D

Acq: 14 Apr 2015 4:52

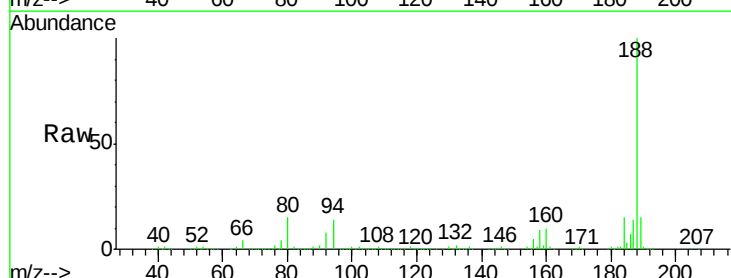
Tgt Ion:188 Resp: 416311

Ion Ratio Lower Upper

188 100

94 13.8 12.2 18.4

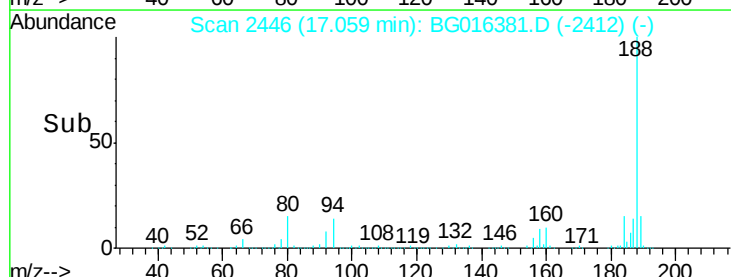
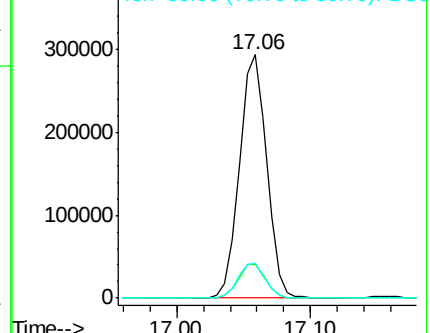
80 14.5 12.8 19.2

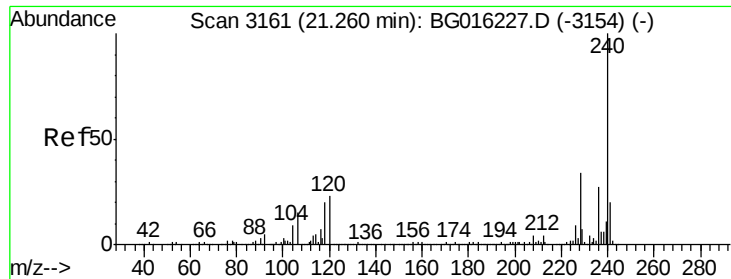


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.24 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BG016381.D

Acq: 14 Apr 2015 4:52

Instrument :

BNA\_G

ClientSampleId :

FS-026

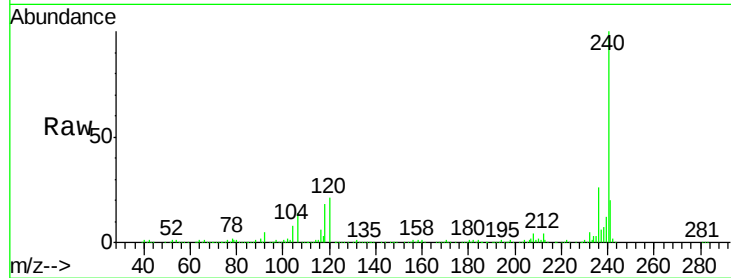
Tgt Ion:240 Resp: 387038

Ion Ratio Lower Upper

240 100

120 20.6 18.6 28.0

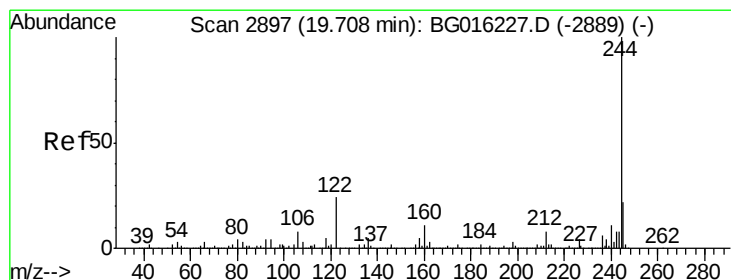
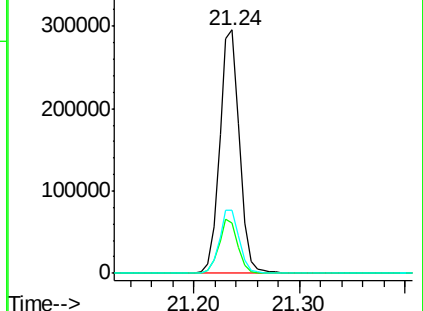
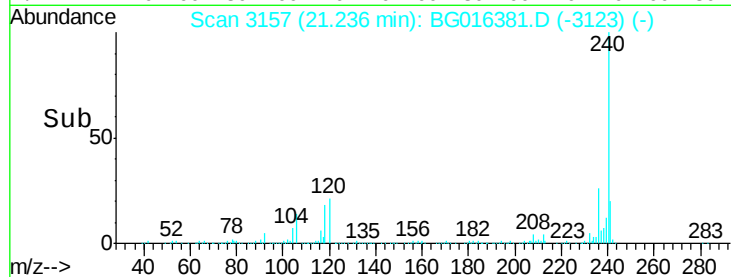
236 25.9 21.7 32.5



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: 56.05 ng

RT: 19.69 min Scan# 2893

Delta R.T. -0.00 min

Lab File: BG016381.D

Acq: 14 Apr 2015 4:52

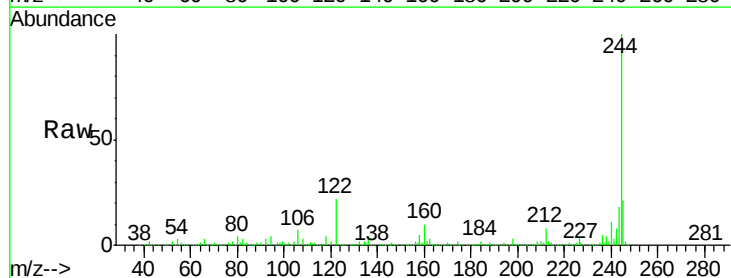
Tgt Ion:244 Resp: 926903

Ion Ratio Lower Upper

244 100

212 8.0 6.6 9.8

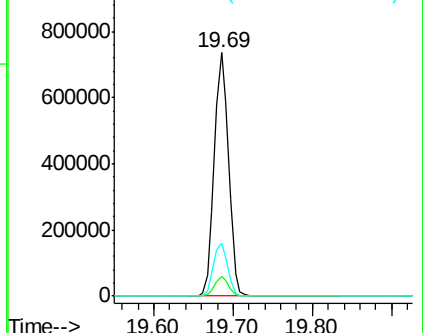
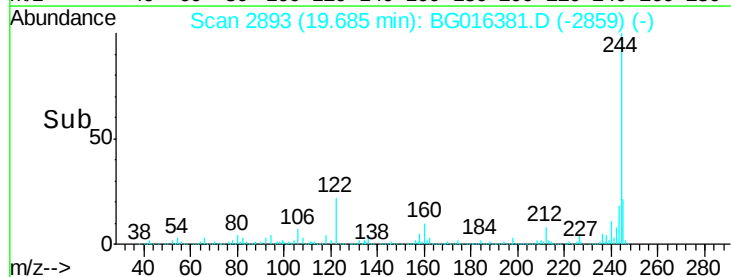
122 21.8 19.1 28.7

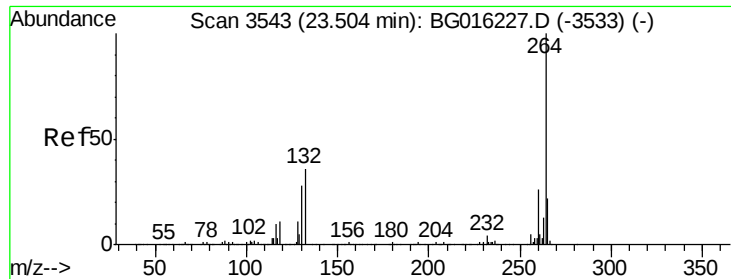


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.47 min Scan# 3537  
Delta R.T. -0.00 min  
Lab File: BG016381.D  
Acq: 14 Apr 2015 4:52

Instrument :  
BNA\_G  
ClientSampleId :  
FS-026

Tgt Ion: 264 Resp: 358612  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.2  | 20.4  | 30.6  |
| 265 | 22.0  | 17.2  | 25.8  |

