

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG040615\  
 Data File : BG016244.D  
 Acq On : 7 Apr 2015 4:21  
 Operator : TP/IZ  
 Sample : G1756-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-CUTTINGS-A

Quant Time: Apr 07 07:22:06 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 07 07:38:11 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.70  | 152  | 62878    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.49 | 136  | 281532   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.33 | 164  | 165222   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.08 | 188  | 366303   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.26 | 240  | 358342   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.50 | 264  | 321892   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.29  | 112  | 542510   | 136.17 | ng    | 0.00     |
| 7) Phenol-d6                | 6.87  | 99   | 717299   | 119.93 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.85  | 82   | 429066   | 88.29  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.83 | 330  | 169311   | 151.52 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.96 | 172  | 886279   | 91.33  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.70 | 244  | 1252203  | 81.78  | ng    | 0.00     |

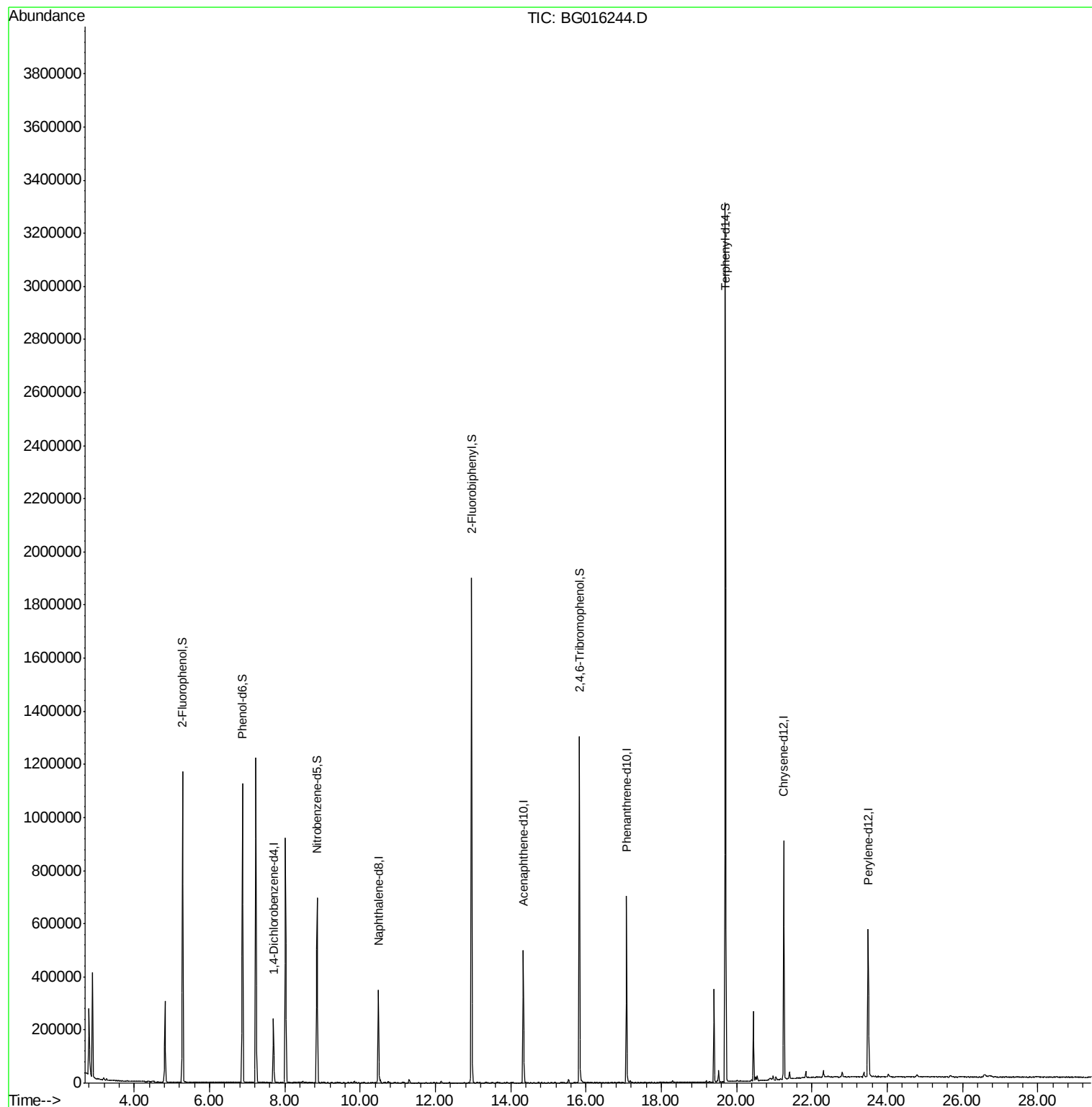
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.70 min Scan# 853

Delta R.T. -0.00 min

Lab File: BG016244.D

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Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGS-A

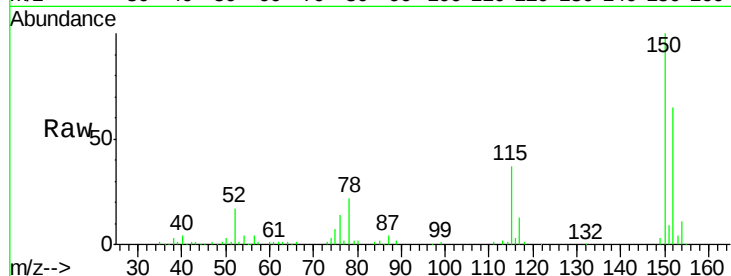
Tgt Ion:152 Resp: 62878

Ion Ratio Lower Upper

152 100

150 152.9 130.1 195.1

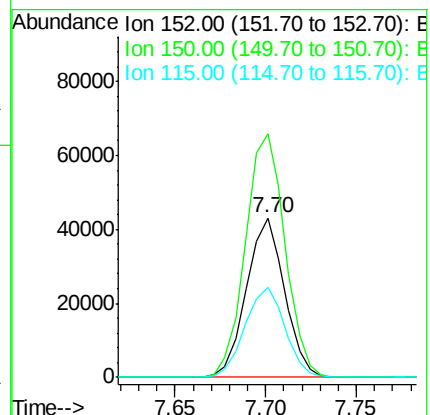
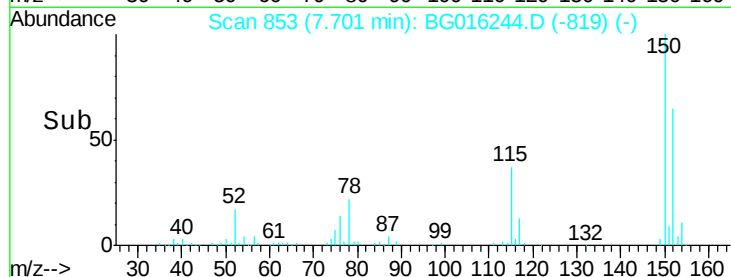
115 56.6 50.5 75.7



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: 136.17 ng

RT: 5.29 min Scan# 442

Delta R.T. 0.01 min

Lab File: BG016244.D

Acq: 7 Apr 2015 4:21

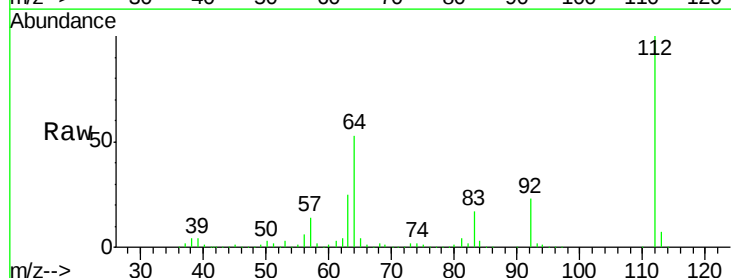
Tgt Ion:112 Resp: 542510

Ion Ratio Lower Upper

112 100

64 53.2 44.5 66.7

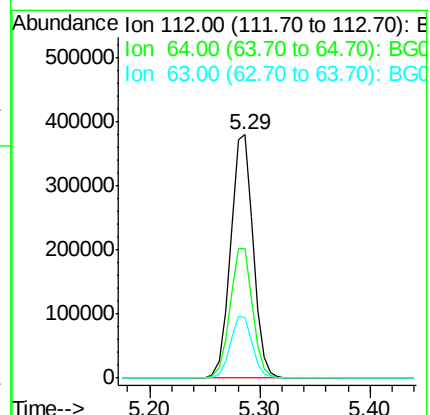
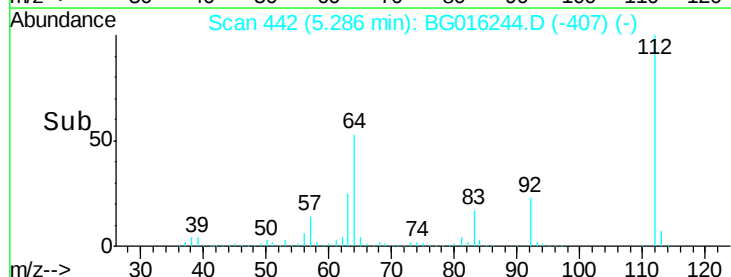
63 25.1 21.4 32.0

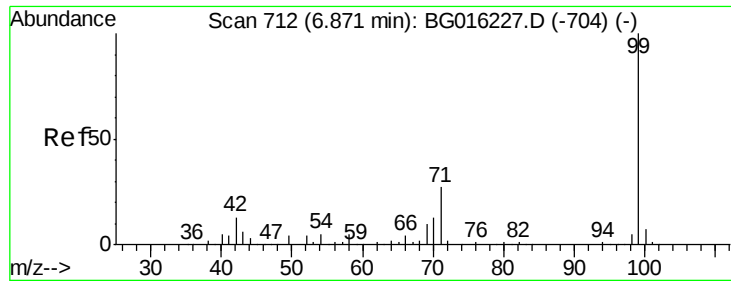


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 119.93 ng

RT: 6.87 min Scan# 712

Delta R.T. -0.00 min

Lab File: BG016244.D

Acq: 7 Apr 2015 4:21

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGS-A

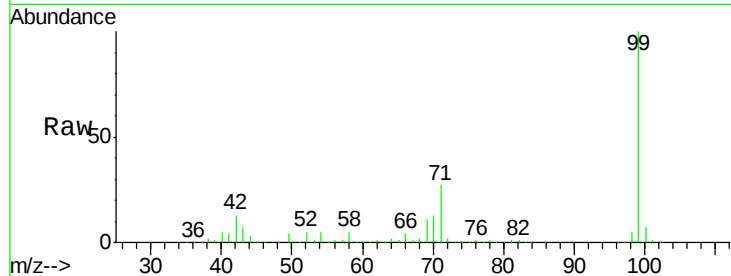
Tgt Ion: 99 Resp: 717299

Ion Ratio Lower Upper

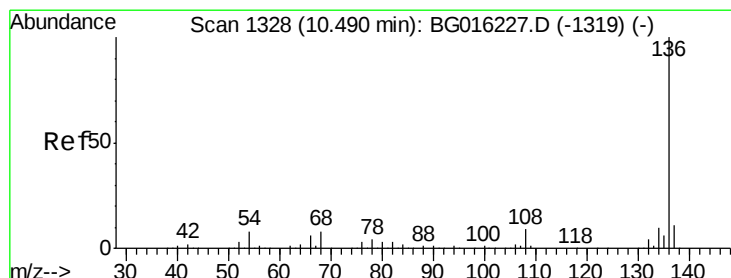
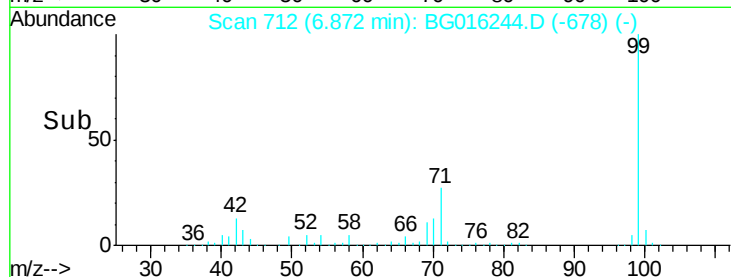
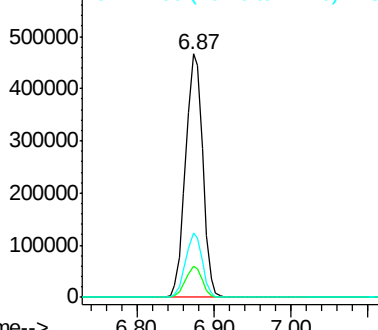
99 100

42 12.7 10.0 15.0

71 26.6 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: 10.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: BG016244.D

Acq: 7 Apr 2015 4:21

Tgt Ion: 136 Resp: 281532

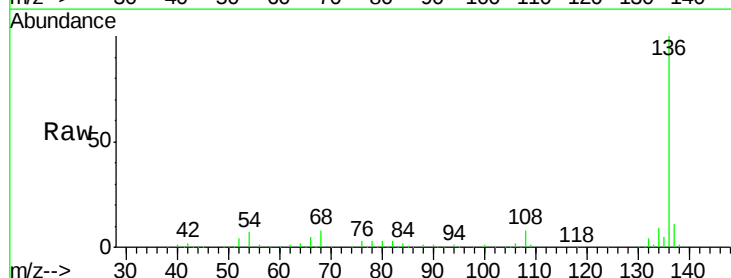
Ion Ratio Lower Upper

136 100

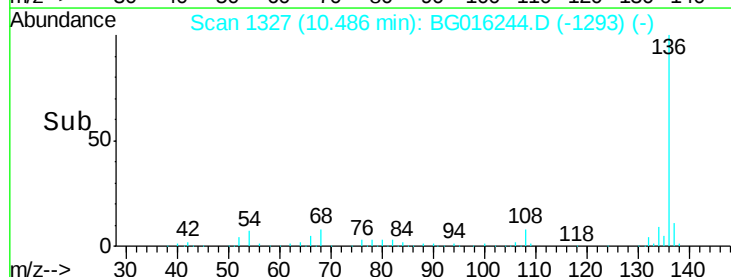
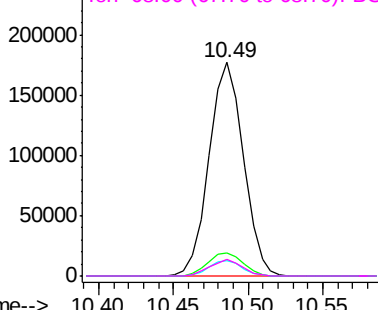
137 11.0 8.7 13.1

54 7.2 6.3 9.5

68 7.7 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

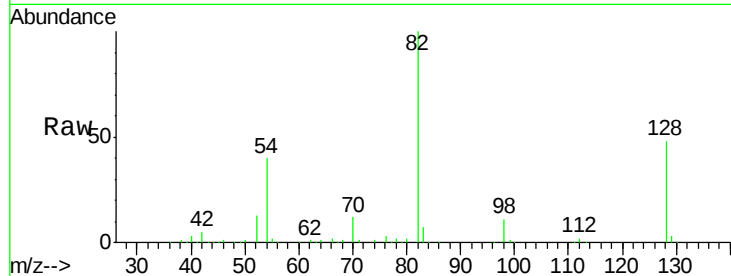




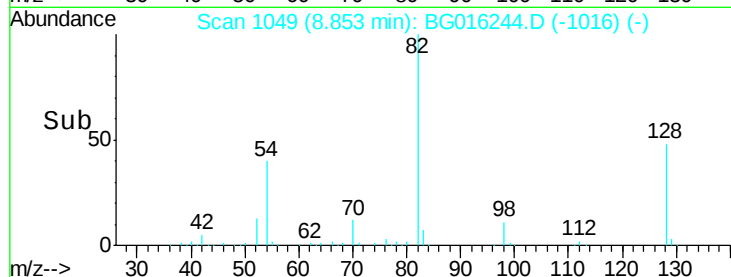
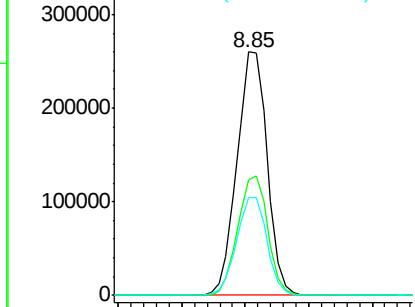
#23  
 Nitrobenzene-d5  
 Concen: 88.29 ng  
 RT: 8.85 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: BG016244.D  
 Acq: 7 Apr 2015 4:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-CUTTINGS-A

Tgt Ion: 82 Resp: 429066  
 Ion Ratio Lower Upper  
 82 100  
 128 47.5 37.8 56.8  
 54 39.9 32.6 49.0

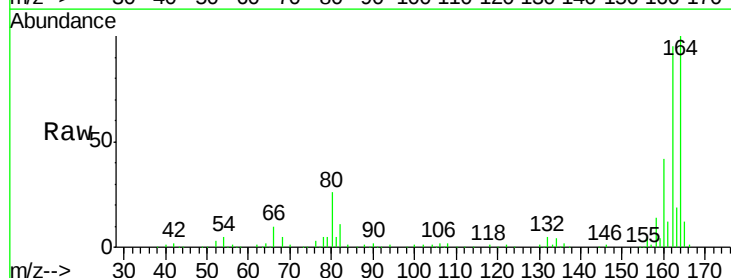


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

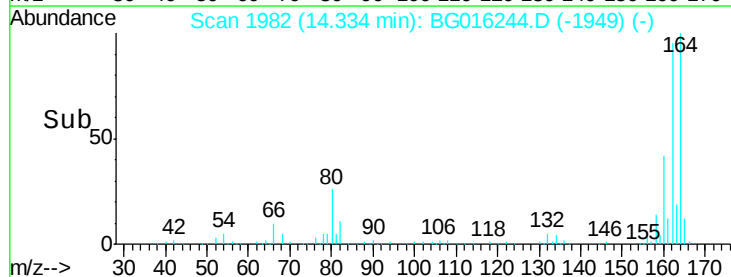
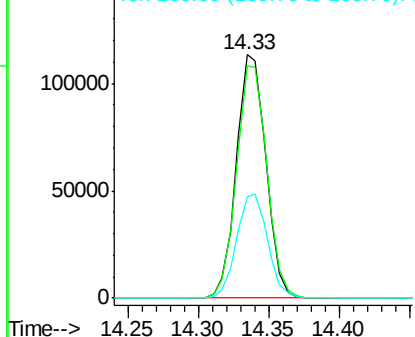


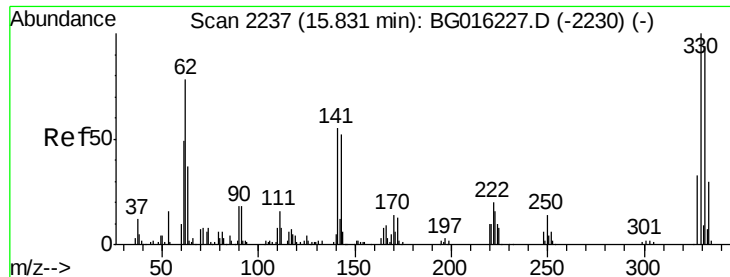
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.33 min Scan# 1982  
 Delta R.T. -0.01 min  
 Lab File: BG016244.D  
 Acq: 7 Apr 2015 4:21

Tgt Ion: 164 Resp: 165222  
 Ion Ratio Lower Upper  
 164 100  
 162 95.3 77.3 115.9  
 160 41.7 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

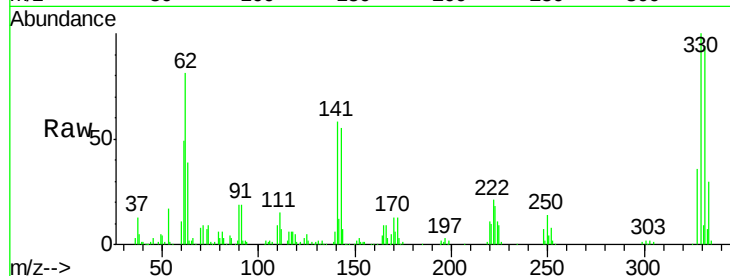




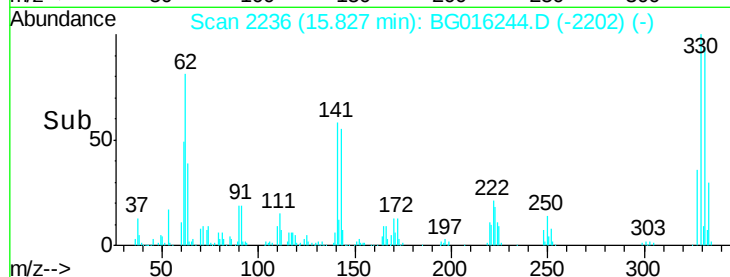
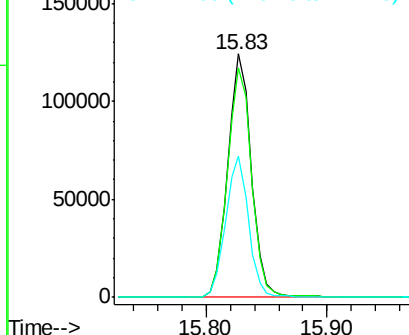
#41  
 2,4,6-Tribromophenol  
 Concen: 151.52 ng  
 RT: 15.83 min Scan# 2236  
 Delta R.T. -0.00 min  
 Lab File: BG016244.D  
 Acq: 7 Apr 2015 4:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-CUTTINGS-A

Tgt Ion:330 Resp: 169311  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 75.8 113.6  
 141 56.2 46.6 69.8

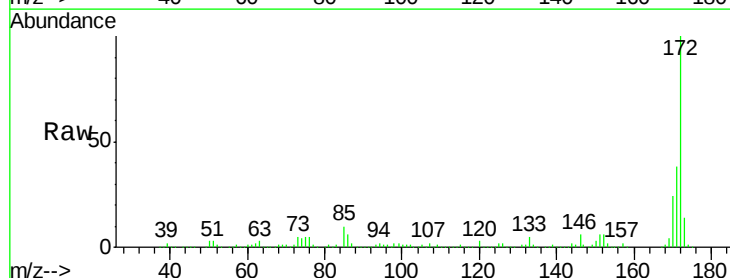


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

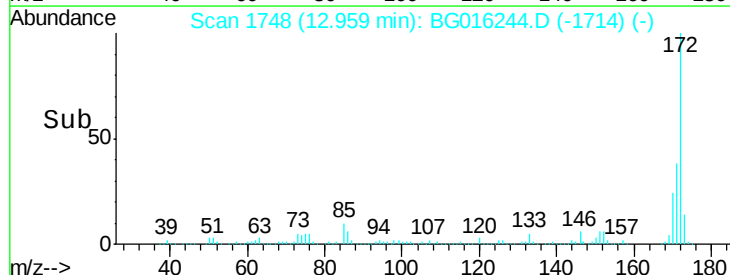
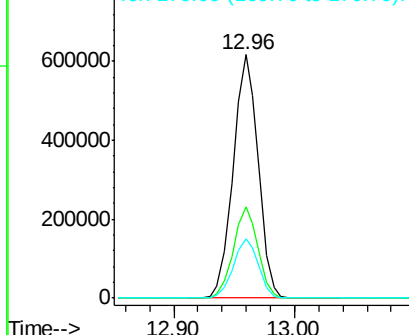


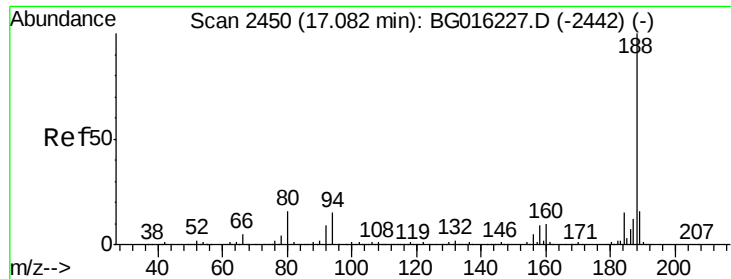
#44  
 2-Fluorobiphenyl  
 Concen: 91.33 ng  
 RT: 12.96 min Scan# 1748  
 Delta R.T. -0.00 min  
 Lab File: BG016244.D  
 Acq: 7 Apr 2015 4:21

Tgt Ion:172 Resp: 886279  
 Ion Ratio Lower Upper  
 172 100  
 171 37.5 29.6 44.4  
 170 24.5 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

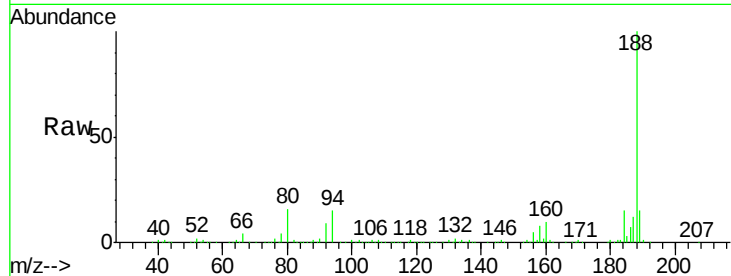




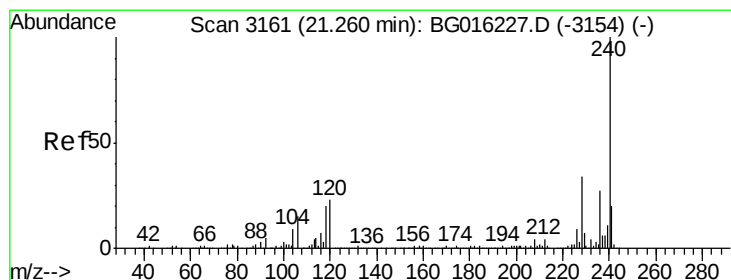
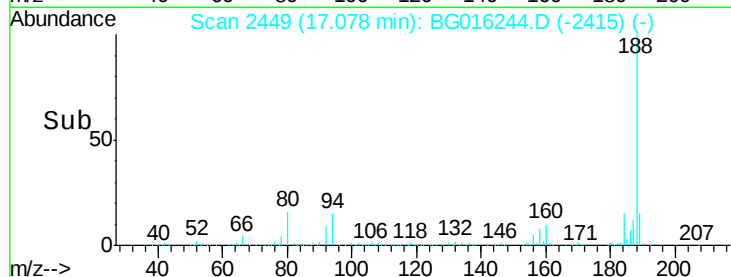
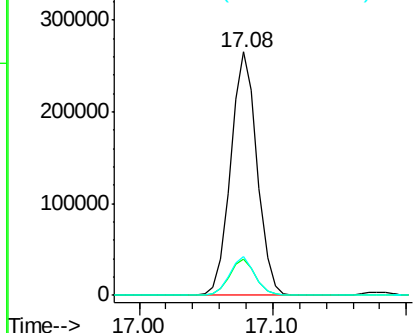
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.08 min Scan# 2449  
Delta R.T. -0.00 min  
Lab File: BG016244.D  
Acq: 7 Apr 2015 4:21

Instrument :  
BNA\_G  
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SOIL-CUTTINGS-A

Tgt Ion:188 Resp: 366303  
Ion Ratio Lower Upper  
188 100  
94 15.0 12.2 18.4  
80 15.8 12.8 19.2

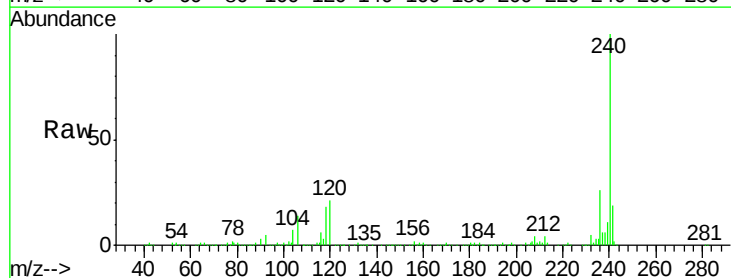


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

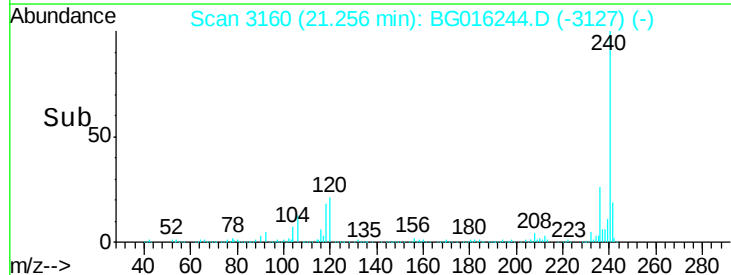
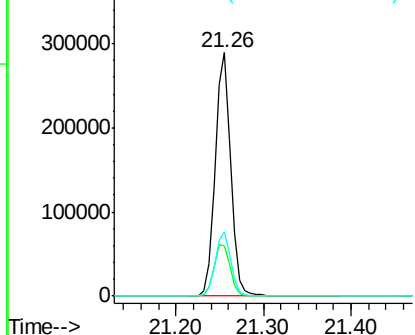


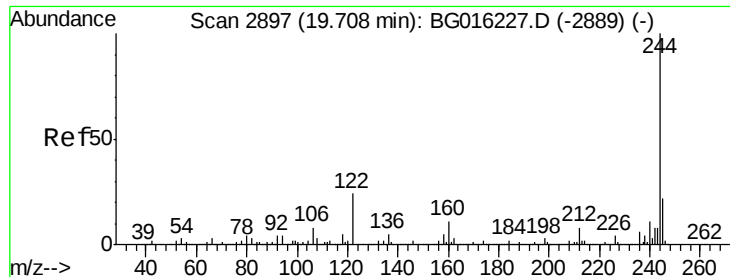
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.26 min Scan# 3160  
Delta R.T. -0.01 min  
Lab File: BG016244.D  
Acq: 7 Apr 2015 4:21

Tgt Ion:240 Resp: 358342  
Ion Ratio Lower Upper  
240 100  
120 20.6 18.6 28.0  
236 26.4 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: 81.78 ng

RT: 19.70 min Scan# 2896

Delta R.T. -0.01 min

Lab File: BG016244.D

Acq: 7 Apr 2015 4:21

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGS-A

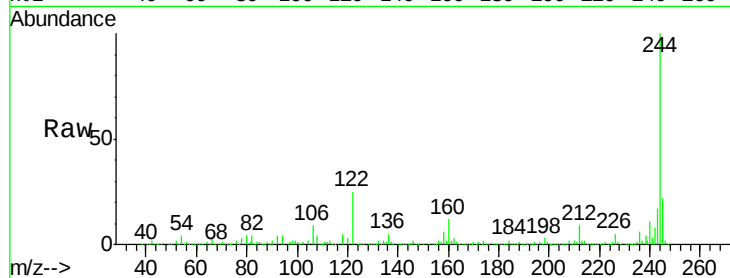
Tgt Ion:244 Resp: 1252203

Ion Ratio Lower Upper

244 100

212 8.6 6.6 9.8

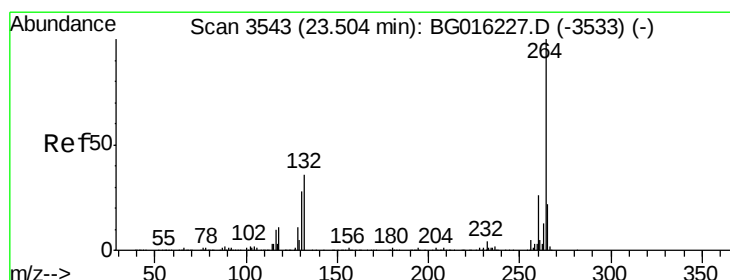
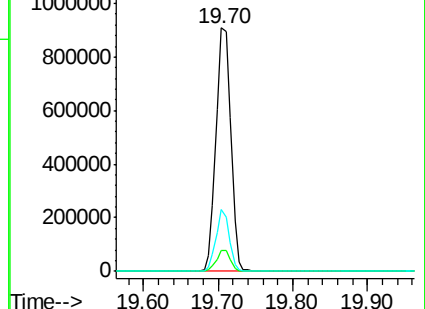
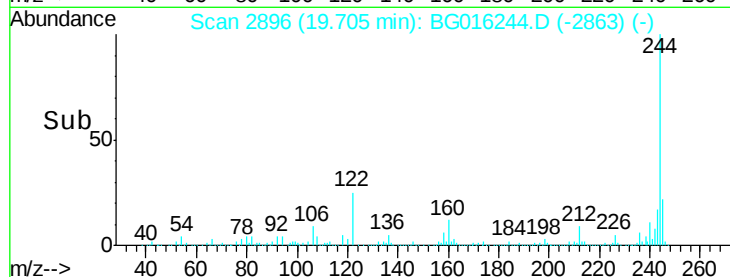
122 25.4 19.1 28.7



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: 23.50 min Scan# 3542

Delta R.T. -0.00 min

Lab File: BG016244.D

Acq: 7 Apr 2015 4:21

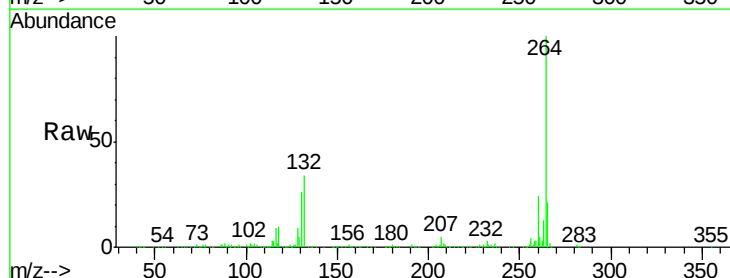
Tgt Ion:264 Resp: 321892

Ion Ratio Lower Upper

264 100

260 23.9 20.4 30.6

265 20.9 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

