

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040615\
 Data File : BG016245.D
 Acq On : 7 Apr 2015 8:29
 Operator : TP/IZ
 Sample : G1756-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS-B

Quant Time: Apr 07 15:19:00 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 04:17:17 2015
 Response via : Initial Calibration

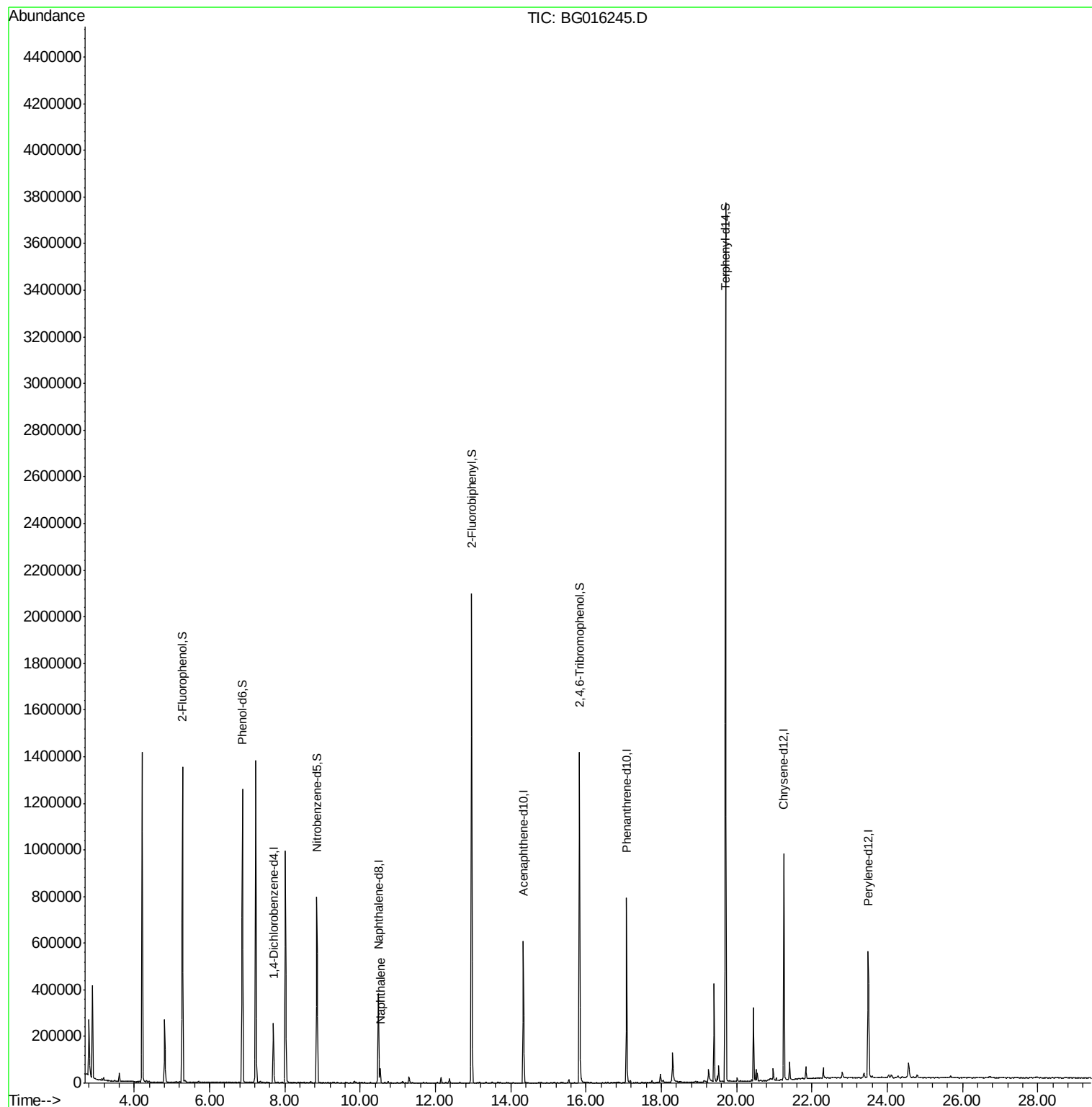
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	69886	20.00	ng	0.00
21) Naphthalene-d8	10.48	136	312111	20.00	ng	0.00
38) Acenaphthene-d10	14.34	164	186610	20.00	ng	0.00
63) Phenanthrene-d10	17.08	188	419989	20.00	ng	0.00
75) Chrysene-d12	21.25	240	393333	20.00	ng	0.00
86) Perylene-d12	23.50	264	306764	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	592419	133.78	ng	0.00
7) Phenol-d6	6.87	99	796101	119.76	ng	0.00
23) Nitrobenzene-d5	8.85	82	472250	87.65	ng	0.00
41) 2,4,6-Tribromophenol	15.83	330	195027	154.53	ng	0.00
44) 2-Fluorobiphenyl	12.96	172	999161	91.16	ng	0.00
78) Terphenyl-d14	19.71	244	1322990	78.72	ng	0.00
Target Compounds						
31) Naphthalene	10.53	128	52051	3.20	ng	Qvalue 99

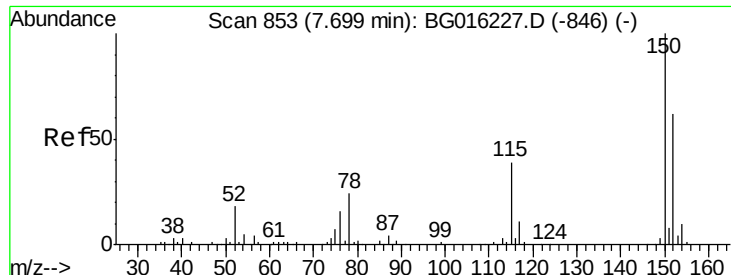
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 07 04:17:17 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.70 min Scan# 853

Delta R.T. -0.00 min

Lab File: BG016245.D

Acq: 7 Apr 2015 8:29

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS-B

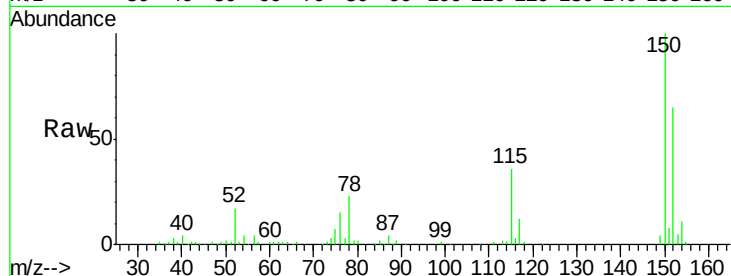
Tgt Ion:152 Resp: 69886

Ion Ratio Lower Upper

152 100

150 154.0 130.1 195.1

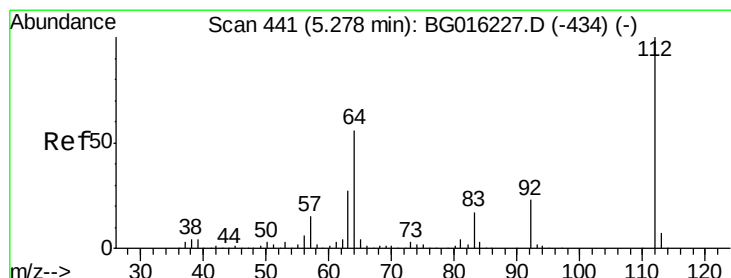
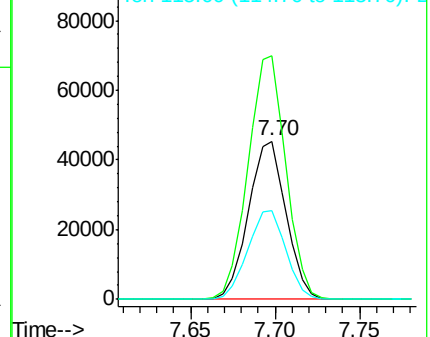
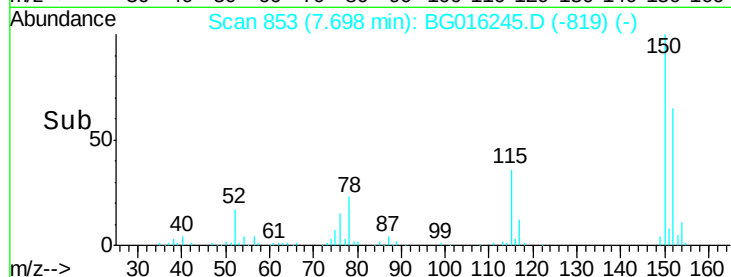
115 56.0 50.5 75.7



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: 133.78 ng

RT: 5.28 min Scan# 441

Delta R.T. -0.00 min

Lab File: BG016245.D

Acq: 7 Apr 2015 8:29

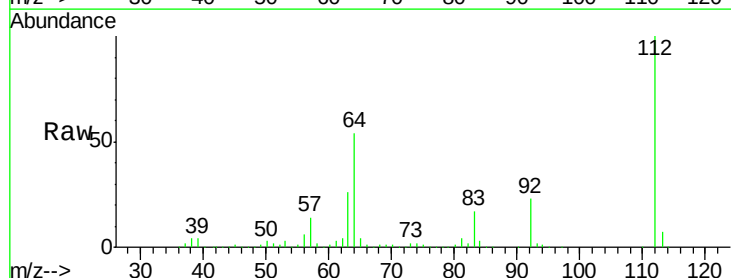
Tgt Ion:112 Resp: 592419

Ion Ratio Lower Upper

112 100

64 54.5 44.5 66.7

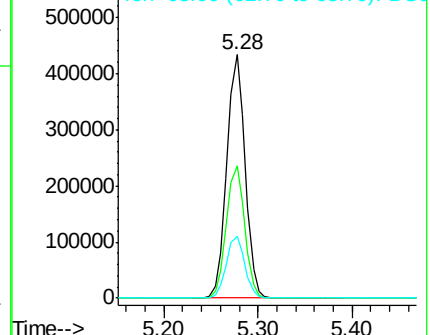
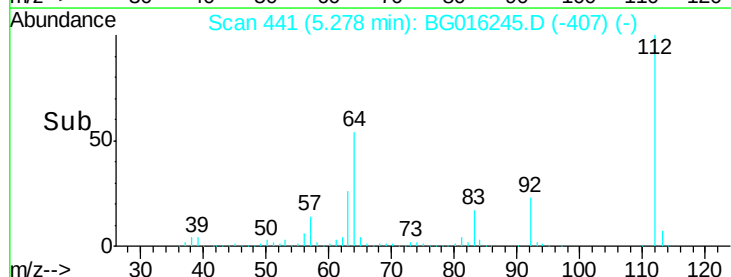
63 25.5 21.4 32.0

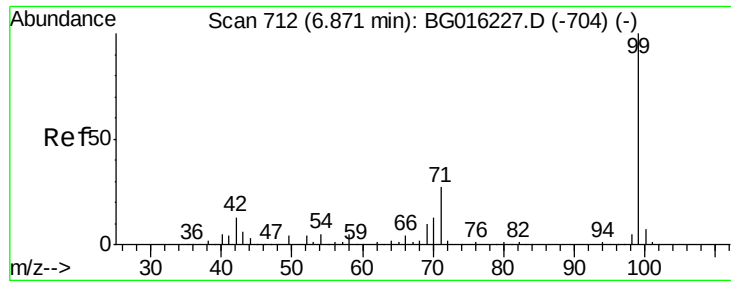


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 119.76 ng

RT: 6.87 min Scan# 712

Delta R.T. -0.00 min

Lab File: BG016245.D

Acq: 7 Apr 2015 8:29

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS-B

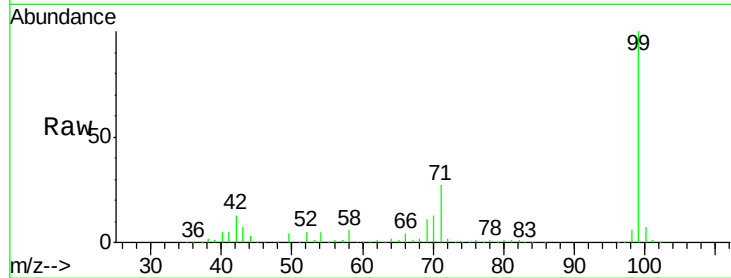
Tgt Ion: 99 Resp: 796101

Ion Ratio Lower Upper

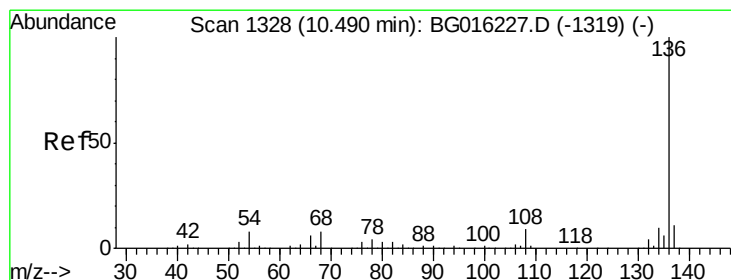
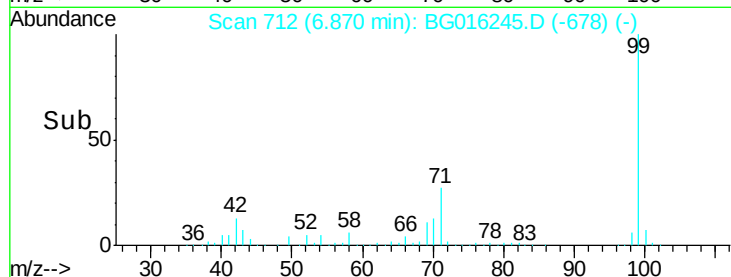
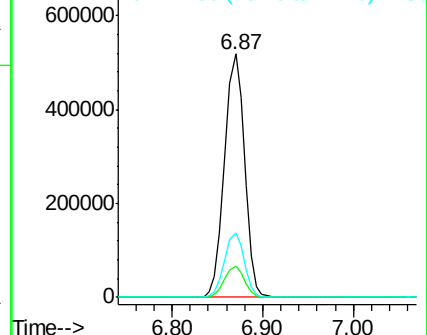
99 100

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: 10.48 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BG016245.D

Acq: 7 Apr 2015 8:29

Tgt Ion: 136 Resp: 312111

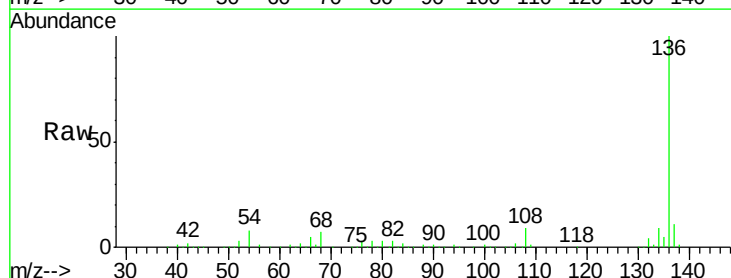
Ion Ratio Lower Upper

136 100

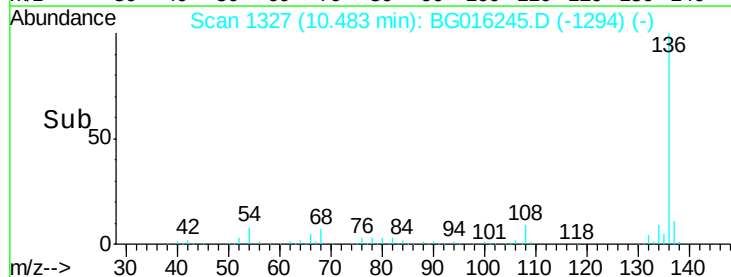
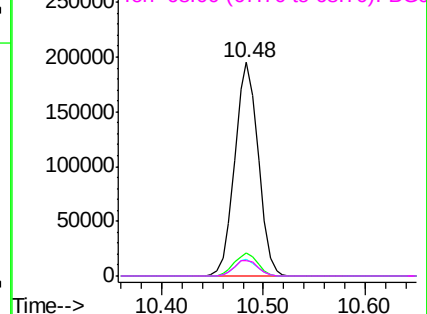
137 10.8 8.7 13.1

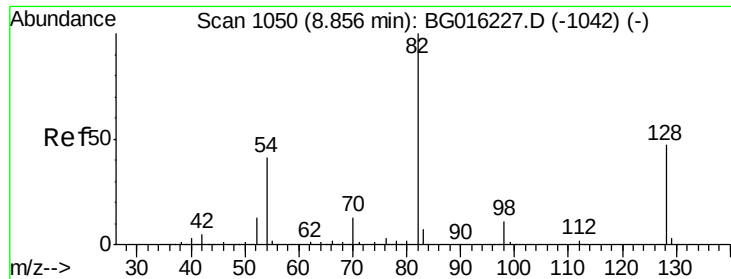
54 7.6 6.3 9.5

68 7.3 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

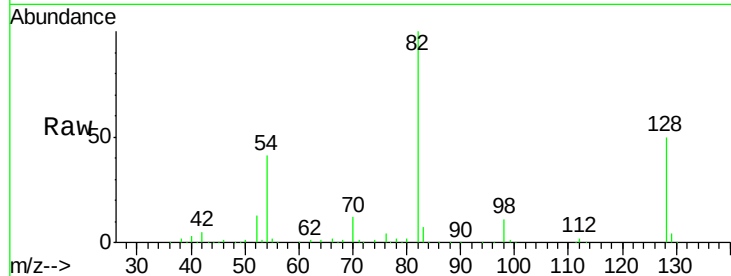




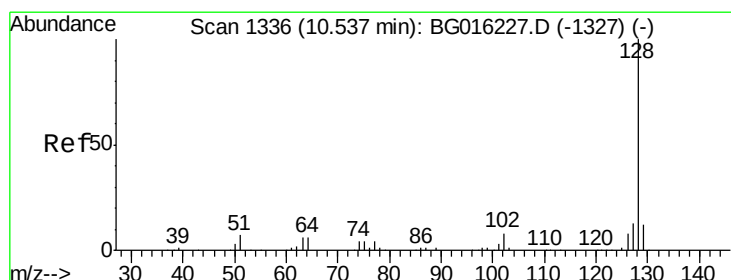
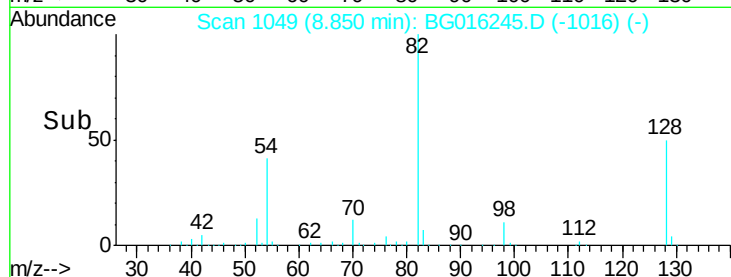
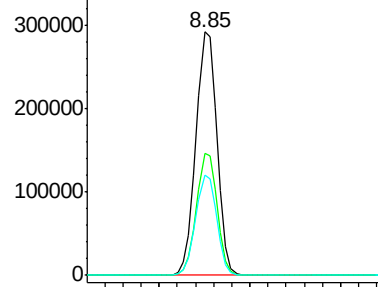
#23
 Nitrobenzene-d5
 Concen: 87.65 ng
 RT: 8.85 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BG016245.D
 Acq: 7 Apr 2015 8:29

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS-B

Tgt Ion: 82 Resp: 472250
 Ion Ratio Lower Upper
 82 100
 128 50.1 37.8 56.8
 54 41.4 32.6 49.0

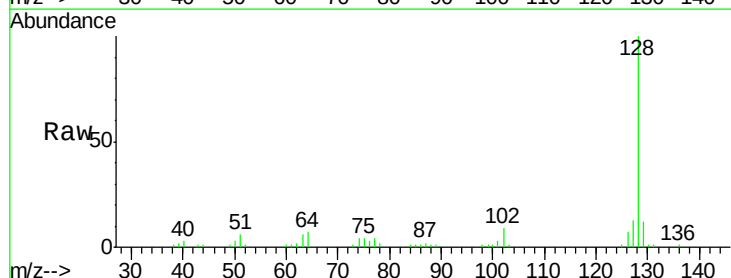


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

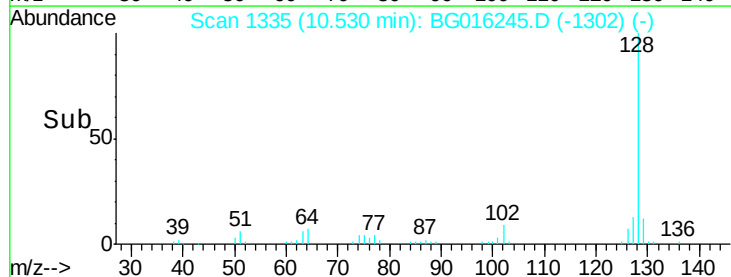
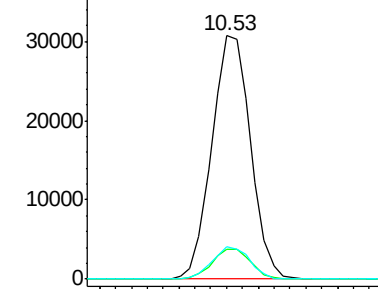


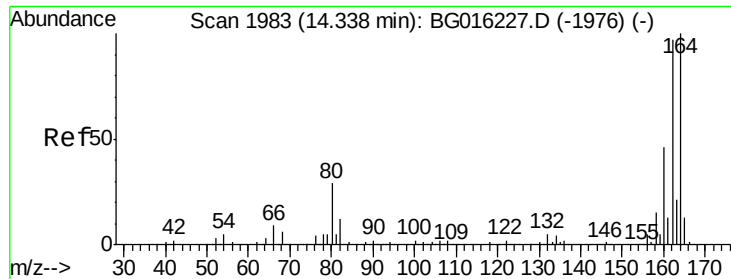
#31
 Naphthalene
 Concen: 3.20 ng
 RT: 10.53 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: BG016245.D
 Acq: 7 Apr 2015 8:29

Tgt Ion: 128 Resp: 52051
 Ion Ratio Lower Upper
 128 100
 129 12.0 9.2 13.8
 127 13.1 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): BGC
 Ion 129.00 (128.70 to 129.70): BGC
 Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.34 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BG016245.D

Acq: 7 Apr 2015 8:29

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS-B

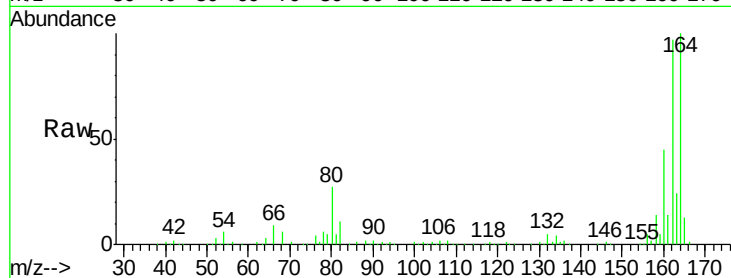
Tgt Ion:164 Resp: 186610

Ion Ratio Lower Upper

164 100

162 96.7 77.3 115.9

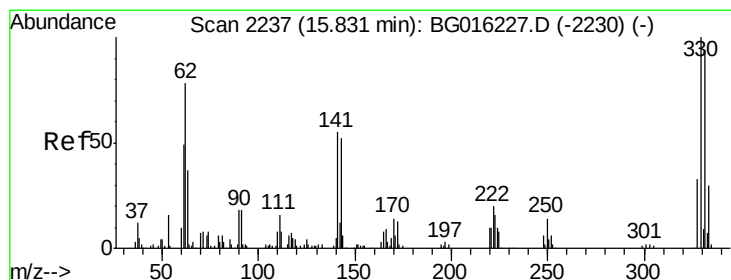
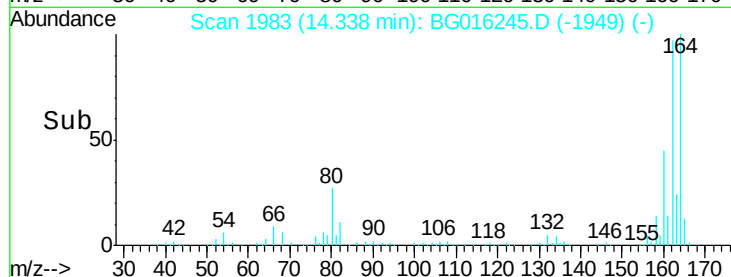
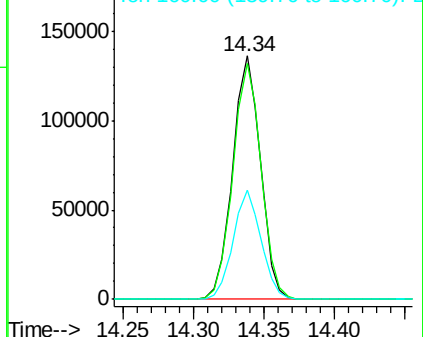
160 44.7 36.7 55.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 154.53 ng

RT: 15.83 min Scan# 2237

Delta R.T. -0.00 min

Lab File: BG016245.D

Acq: 7 Apr 2015 8:29

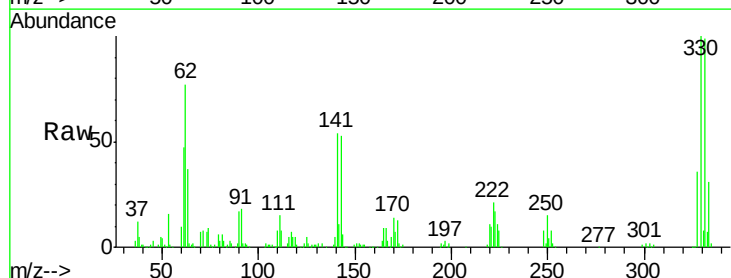
Tgt Ion:330 Resp: 195027

Ion Ratio Lower Upper

330 100

332 97.5 75.8 113.6

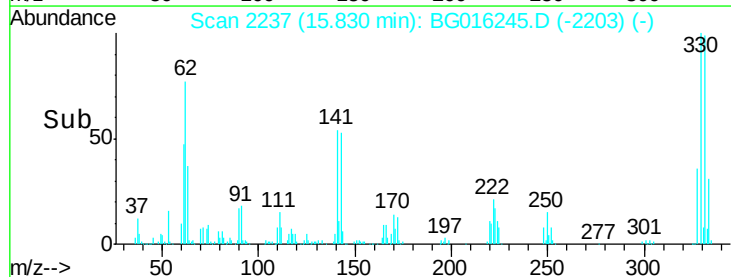
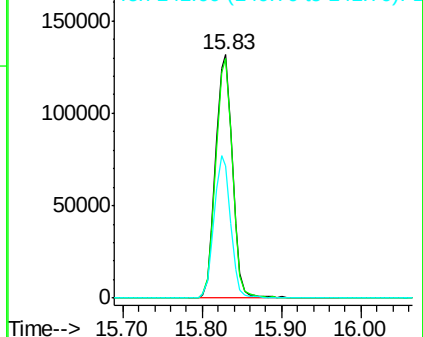
141 56.6 46.6 69.8

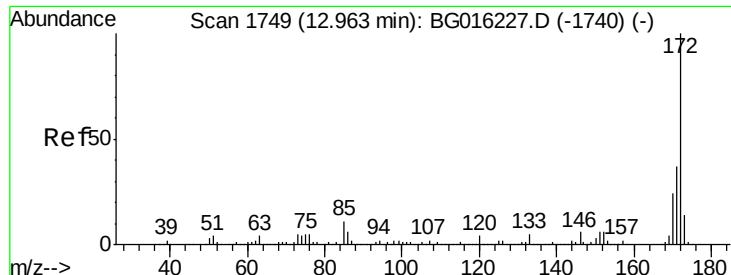


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

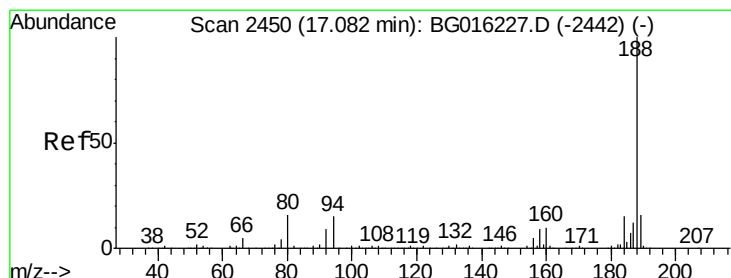
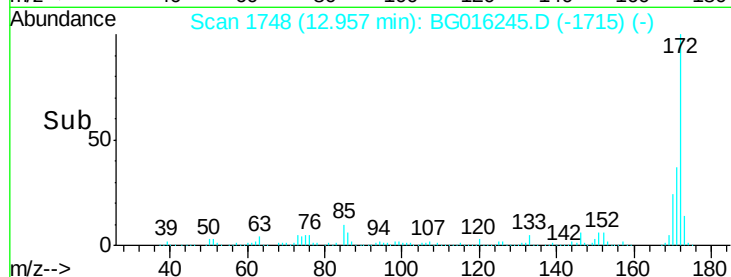
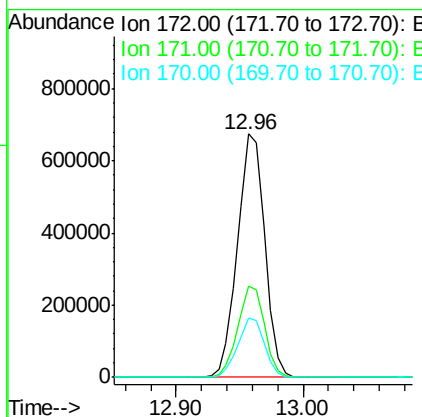
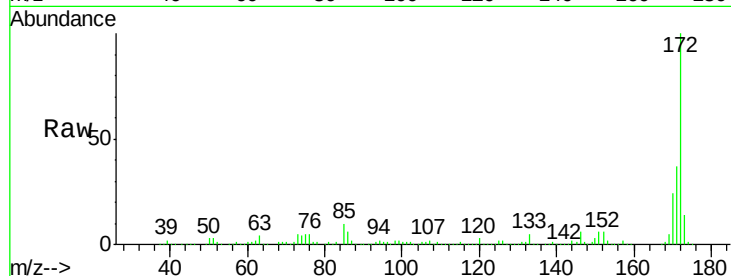




#44
 2-Fluorobiphenyl
 Concen: 91.16 ng
 RT: 12.96 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BG016245.D
 Acq: 7 Apr 2015 8:29

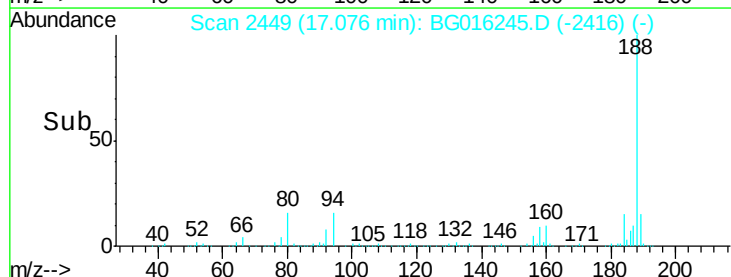
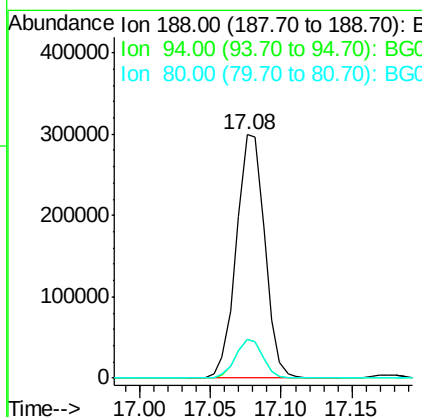
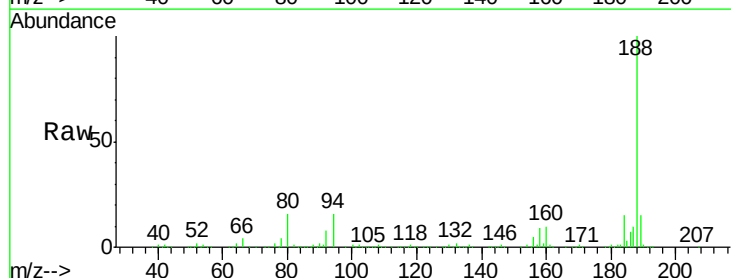
Instrument :
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 SOIL-CUTTINGS-B

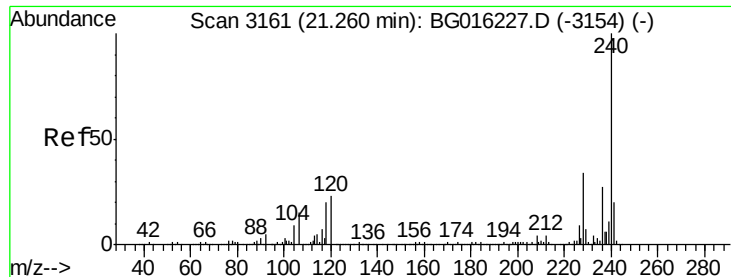
Tgt Ion:172 Resp: 999161
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.6 44.4
 170 24.4 19.4 29.2



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.08 min Scan# 2449
 Delta R.T. -0.01 min
 Lab File: BG016245.D
 Acq: 7 Apr 2015 8:29

Tgt Ion:188 Resp: 419989
 Ion Ratio Lower Upper
 188 100
 94 15.9 12.2 18.4
 80 16.0 12.8 19.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.25 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG016245.D

Acq: 7 Apr 2015 8:29

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS-B

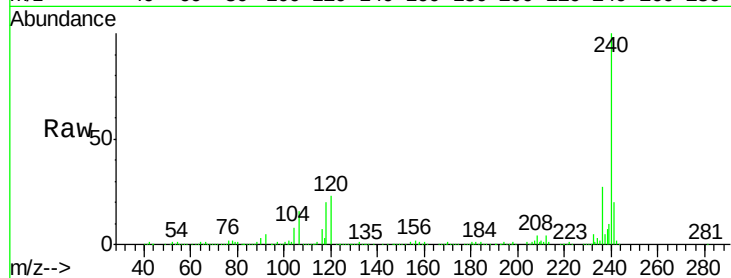
Tgt Ion:240 Resp: 393333

Ion Ratio Lower Upper

240 100

120 23.0 18.6 28.0

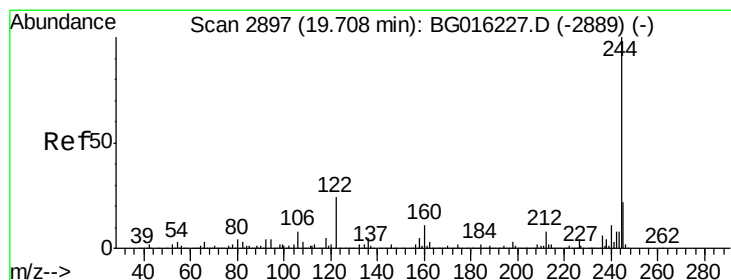
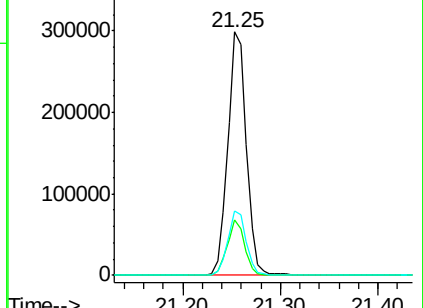
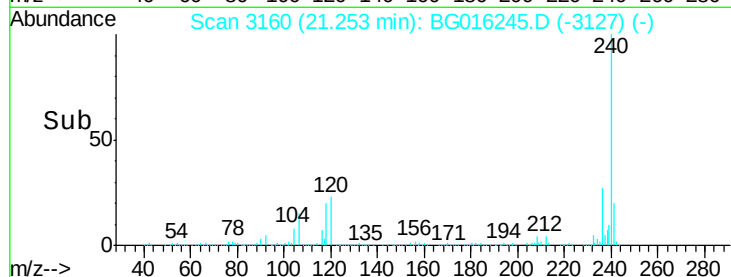
236 26.5 21.7 32.5



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: 78.72 ng

RT: 19.71 min Scan# 2897

Delta R.T. -0.00 min

Lab File: BG016245.D

Acq: 7 Apr 2015 8:29

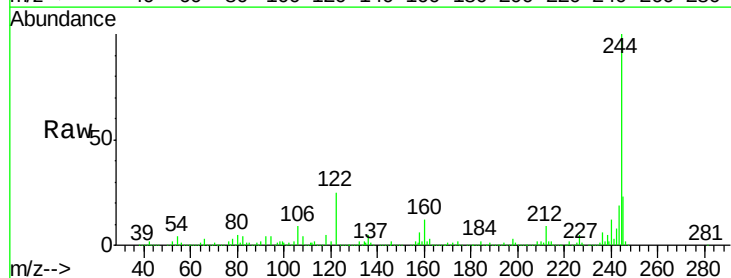
Tgt Ion:244 Resp: 1322990

Ion Ratio Lower Upper

244 100

212 8.7 6.6 9.8

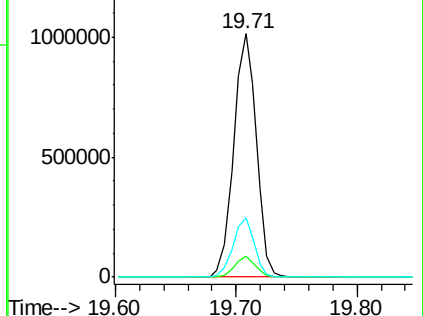
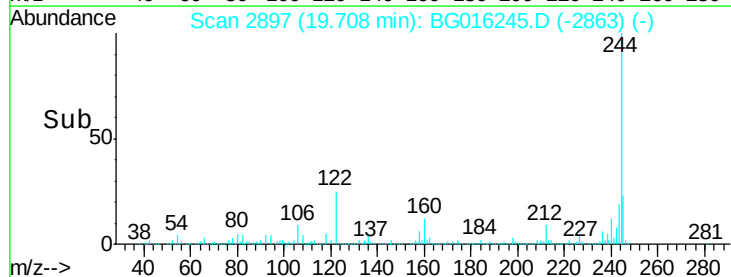
122 24.6 19.1 28.7

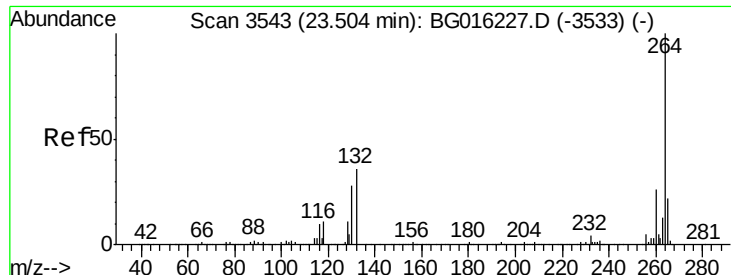


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

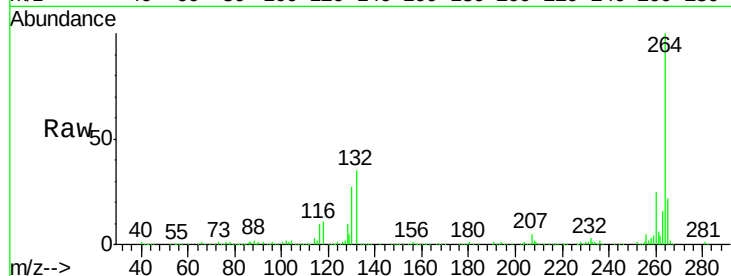




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.50 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG016245.D
Acq: 7 Apr 2015 8:29

Instrument :
BNA_G
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SOIL-CUTTINGS-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.4	30.6
265	21.9	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

