

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041316\
 Data File : BG021641.D
 Acq On : 14 Apr 2016 5:37
 Operator : UM/SJ
 Sample : H1824-03
 Misc : LOD-SOIL-8PPB
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Apr 14 11:42:26 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	26743	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	119366	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	78864	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	196507	20.00	ng	0.00
75) Chrysene-d12	21.83	240	234983	20.00	ng	0.00
86) Perylene-d12	25.15	264	226075	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	237439	147.85	ng	0.00
7) Phenol-d6	7.36	99	341437	142.33	ng	0.00
23) Nitrobenzene-d5	9.38	82	200448	86.31	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	126951	149.36	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	472430	87.77	ng	0.00
78) Terphenyl-d14	20.15	244	836324	88.81	ng	0.00

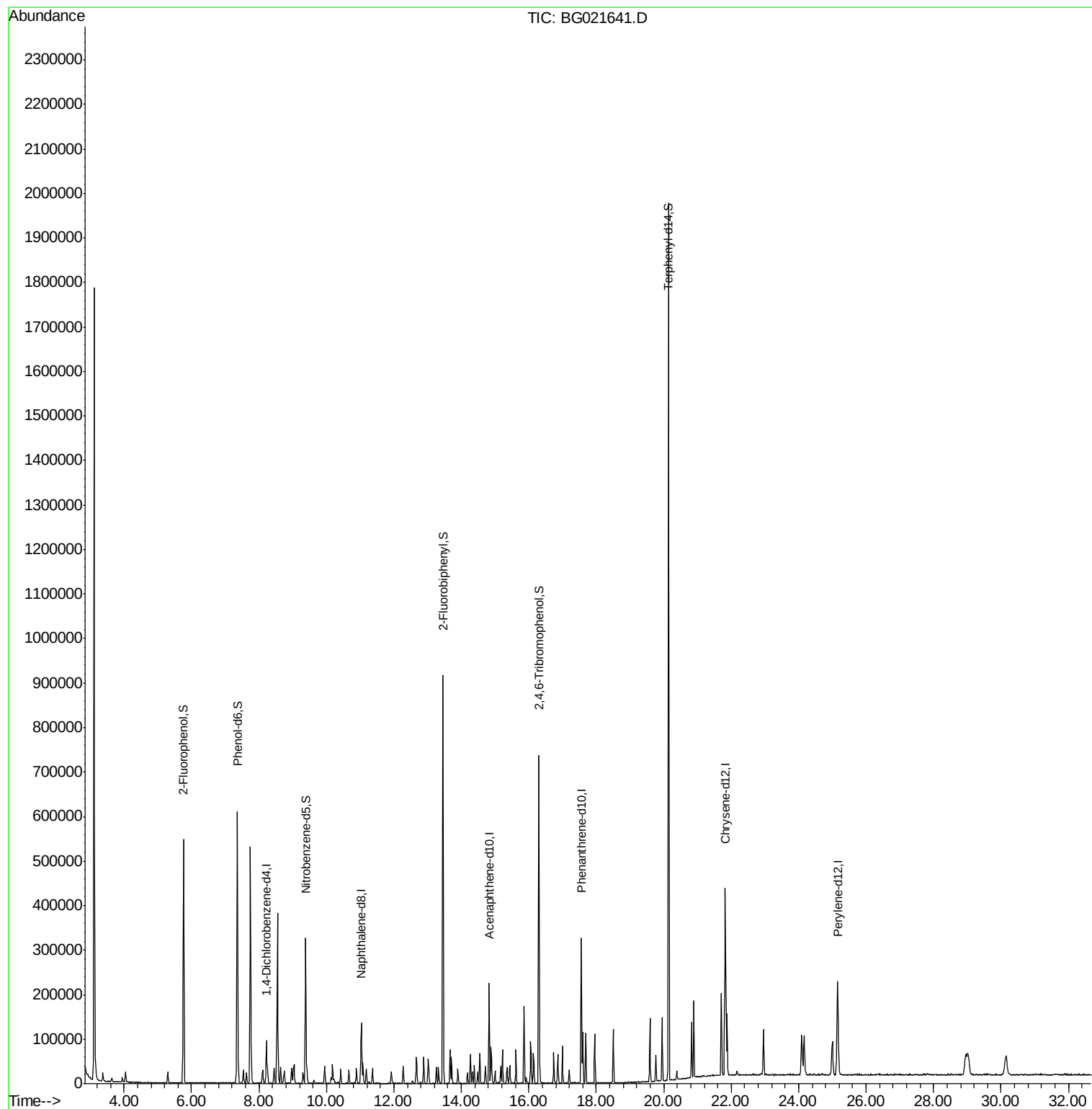
Target Compounds Qvalue

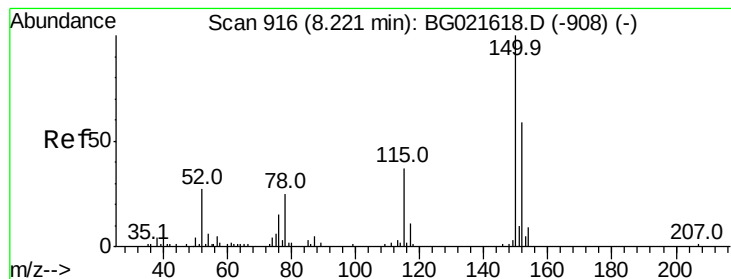
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

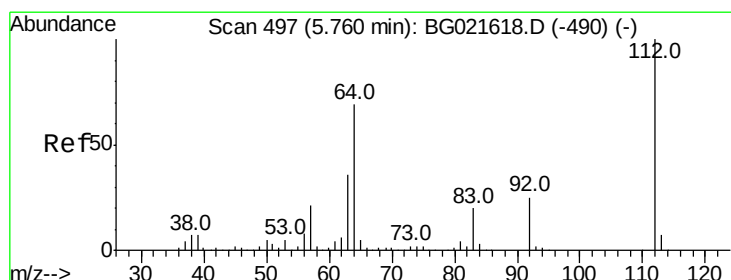
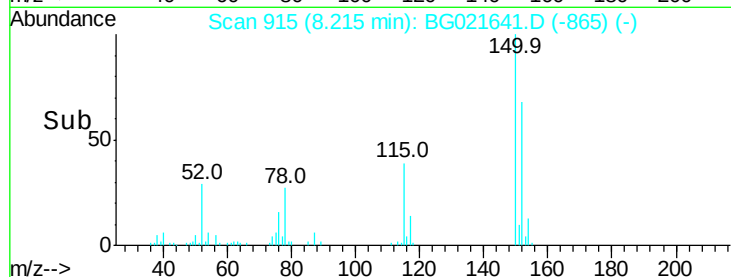
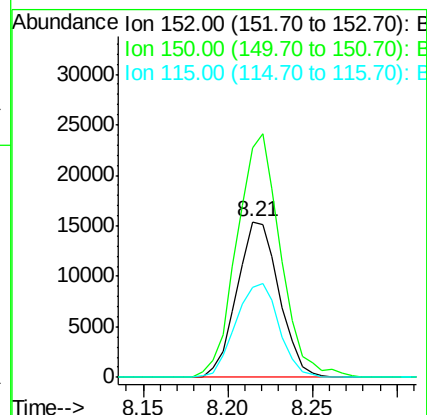
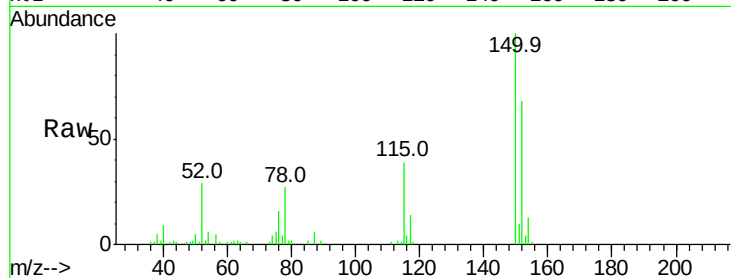
Tot Ion:152 Resp: 26743

Ion Ratio Lower Upper

152 100

150 147.6 130.1 195.1

115 57.9 62.2 93.2#



#5

2-Fluorophenol

Concen: 147.85 ng

RT: 5.76 min Scan# 498

Delta R.T. 0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

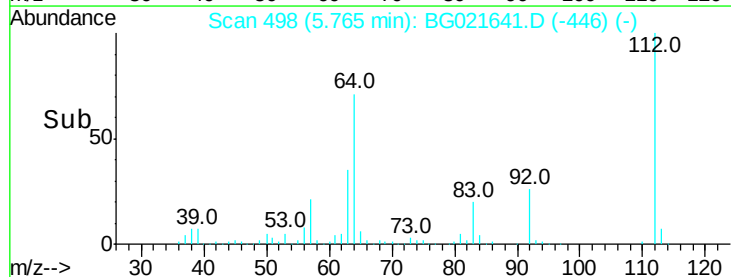
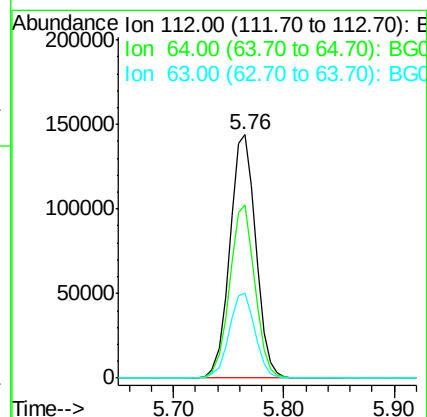
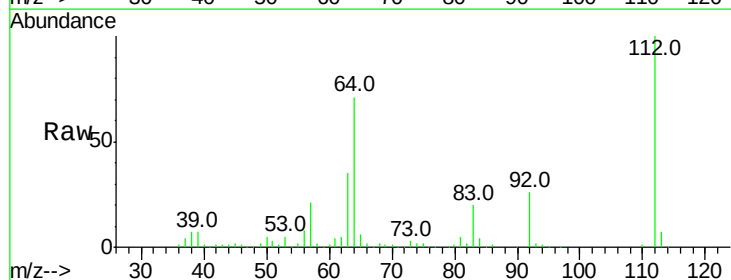
Tgt Ion:112 Resp: 237439

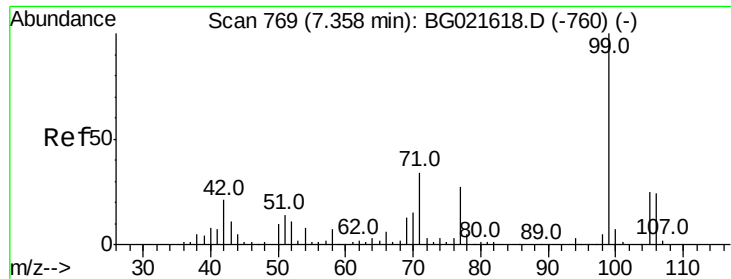
Ion Ratio Lower Upper

112 100

64 70.9 51.1 76.7

63 34.8 24.6 37.0





#7

Phenol-d6

Concen: 142.33 ng

RT: 7.36 min Scan# 769

Delta R.T. -0.00 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

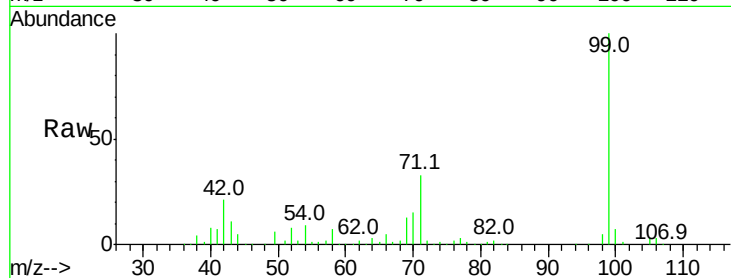
Tot Ion: 99 Resp: 341437

Ion Ratio Lower Upper

99 100

42 20.7 16.4 24.6

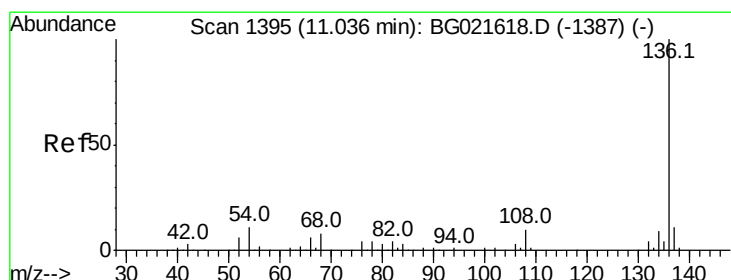
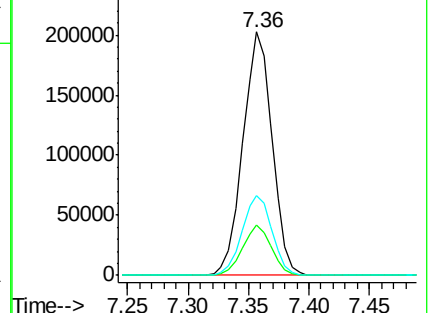
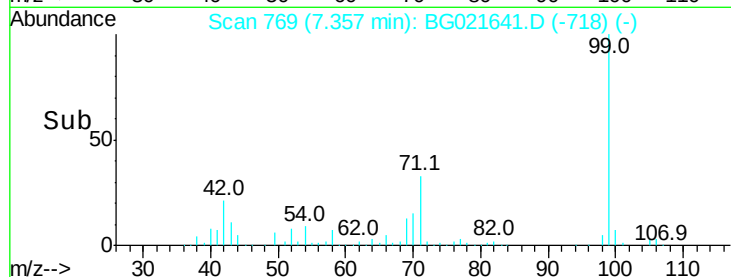
71 32.8 25.0 37.4



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: 11.03 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Tgt Ion: 136 Resp: 119366

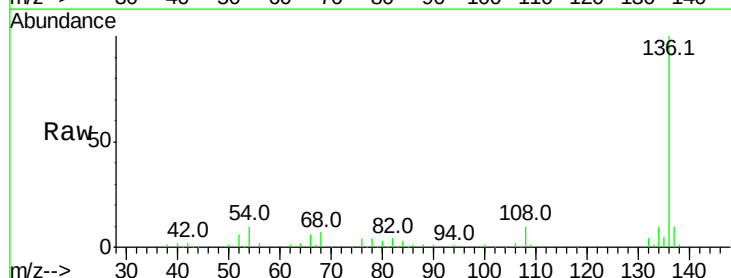
Ion Ratio Lower Upper

136 100

137 10.2 9.0 13.4

54 10.4 9.6 14.4

68 6.7 6.4 9.6

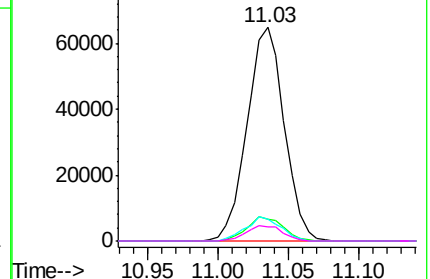
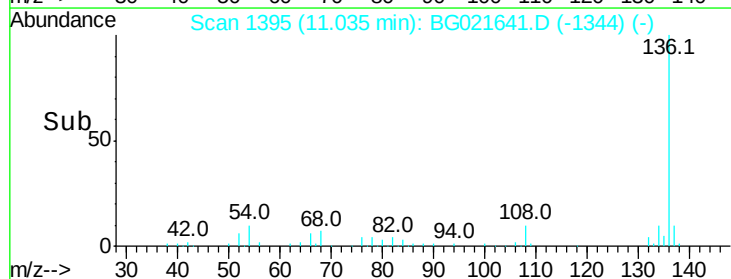


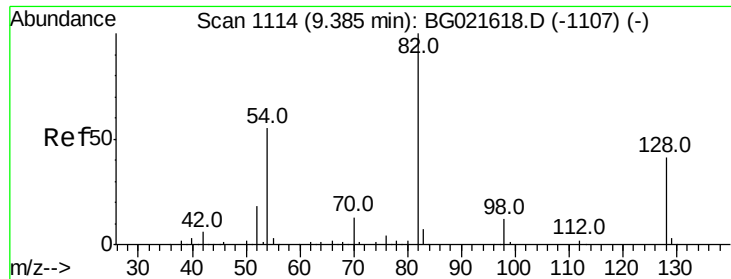
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

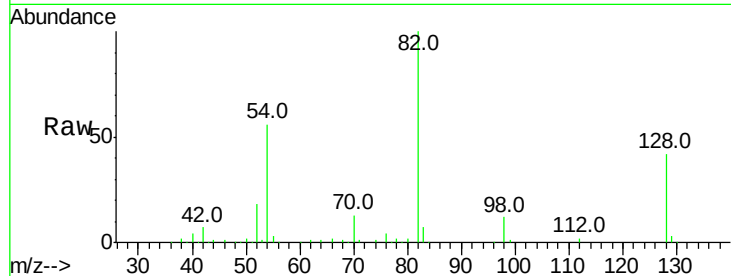




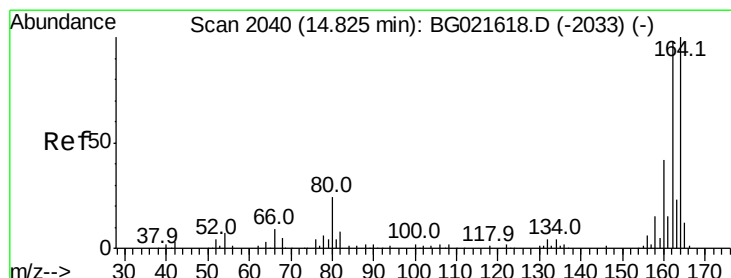
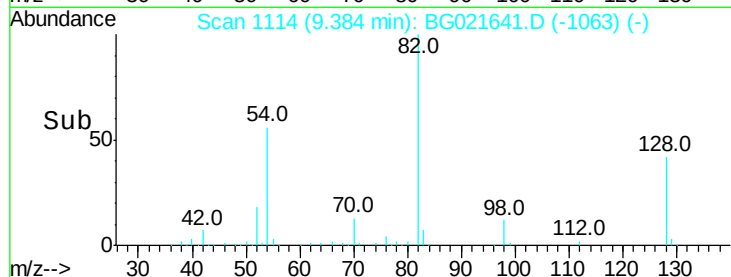
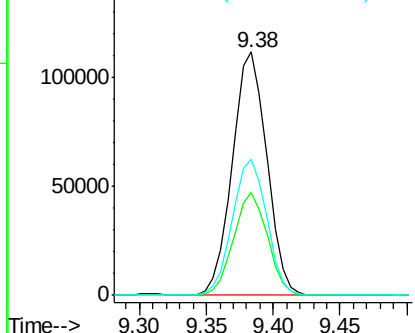
#23
 Nitrobenzene-d5
 Concen: 86.31 ng
 RT: 9.38 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	82	Resp	200448
Ion Ratio	Lower	Upper	
82	100		
128	42.1	33.4	50.0
54	55.7	46.1	69.1

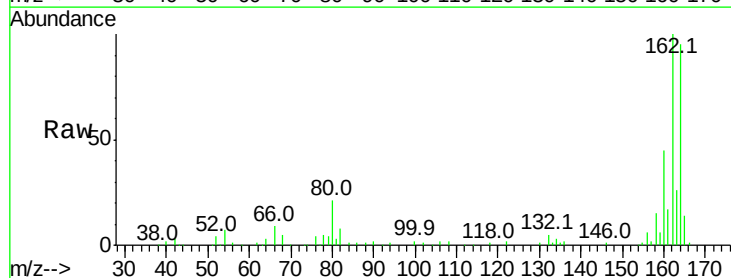


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

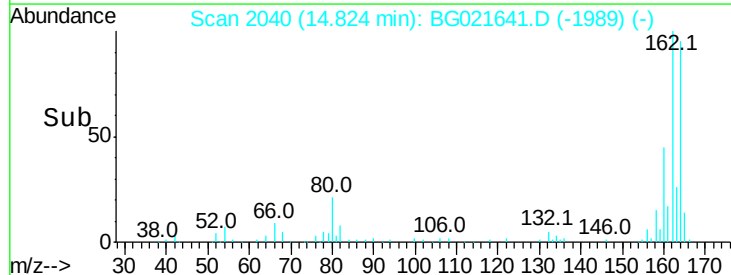
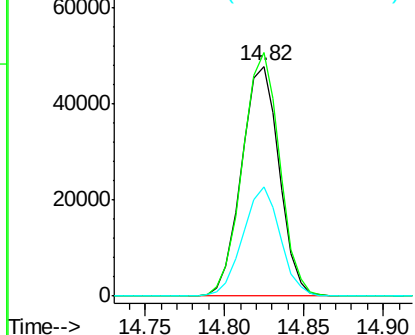


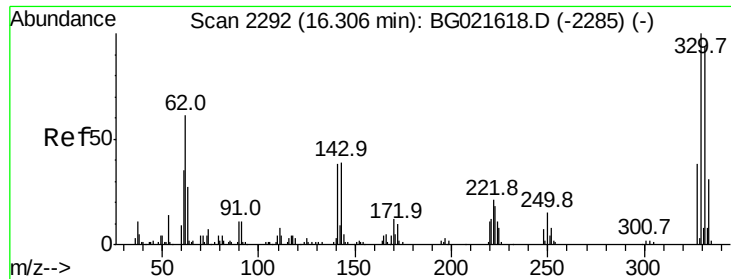
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2040
 Delta R.T. -0.00 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Tgt Ion	164	Resp	78864
Ion Ratio	Lower	Upper	
164	100		
162	105.8	78.0	117.0
160	47.3	32.9	49.3



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

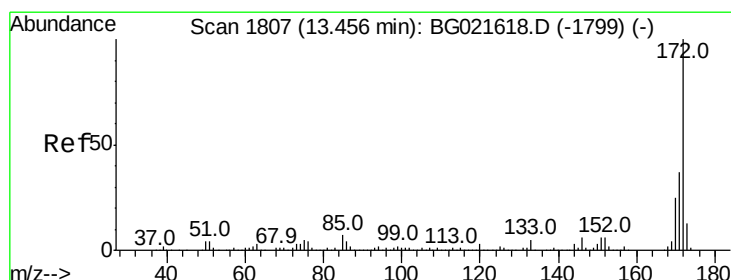
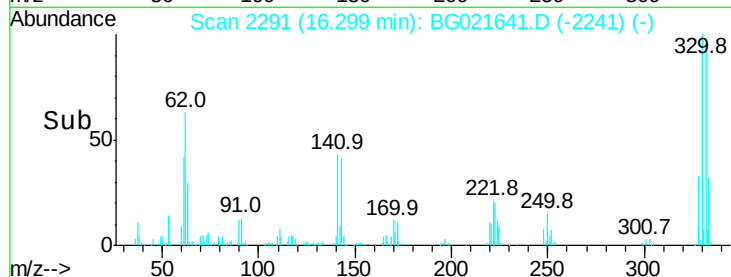
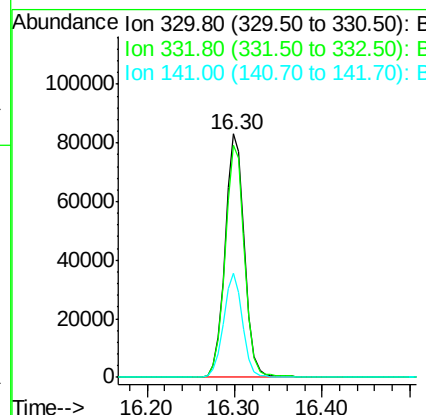
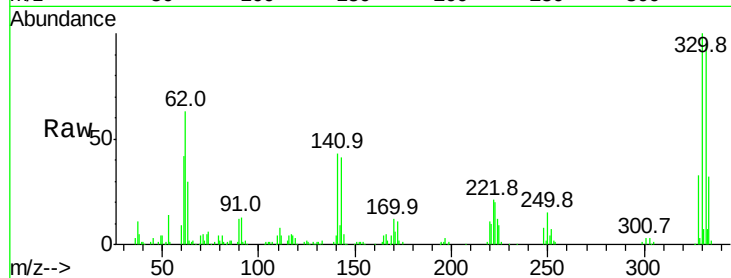




#41
 2,4,6-Tribromophenol
 Concen: 149.36 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

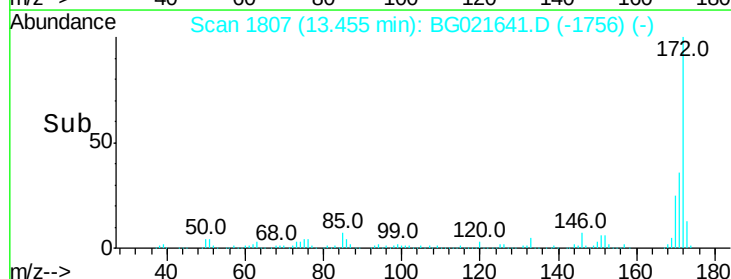
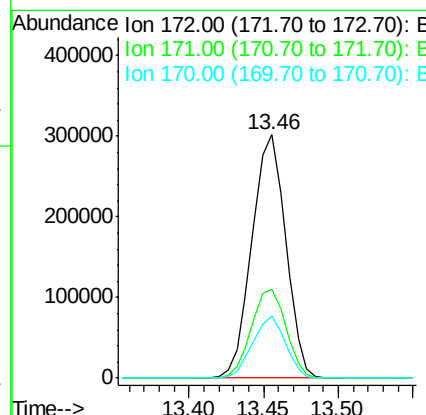
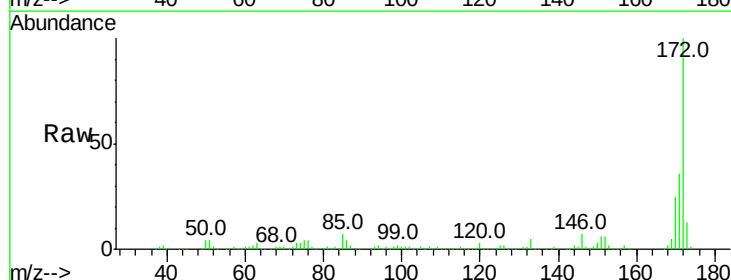
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

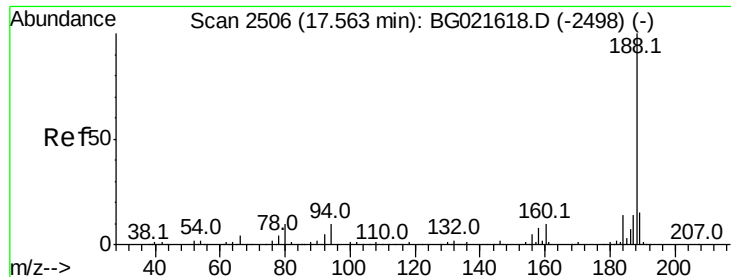
Tot Ion:330 Resp: 126951
 Ion Ratio Lower Upper
 330 100
 332 95.4 78.0 117.0
 141 41.8 33.8 50.8



#44
 2-Fluorobiphenyl
 Concen: 87.77 ng
 RT: 13.46 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Tgt Ion:172 Resp: 472430
 Ion Ratio Lower Upper
 172 100
 171 36.4 27.8 41.6
 170 25.4 19.6 29.4

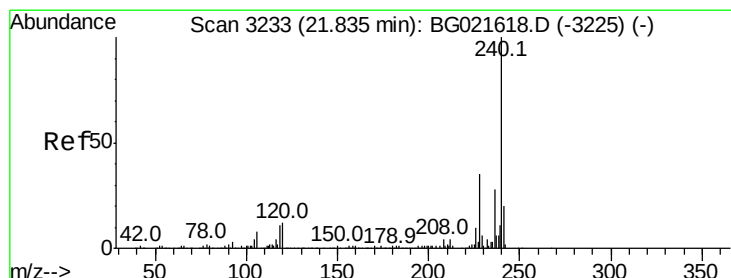
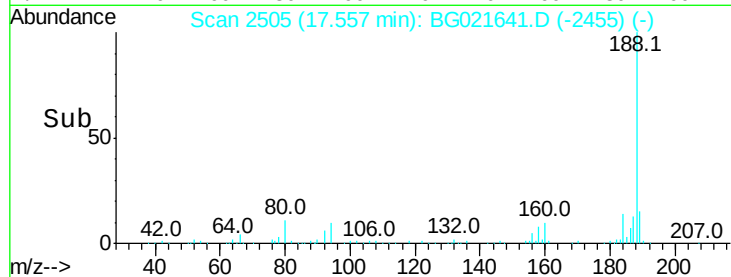
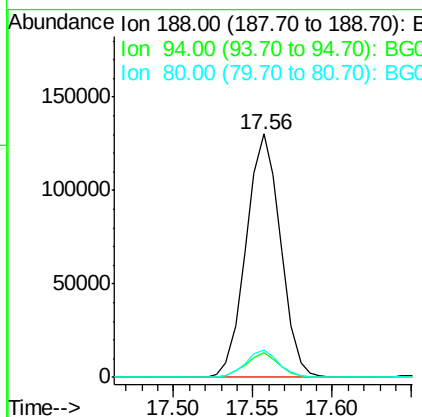
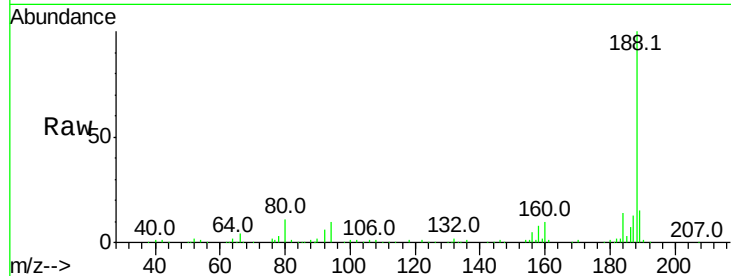




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.56 min Scan# 2505
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

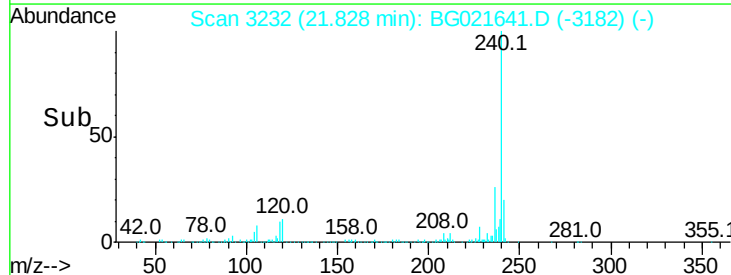
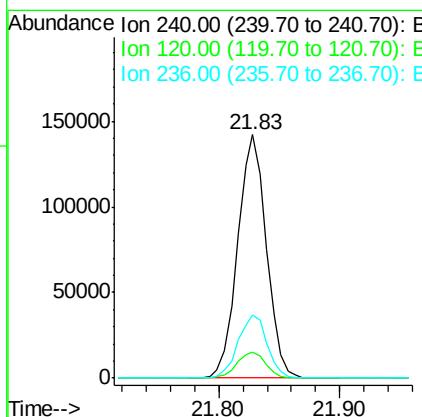
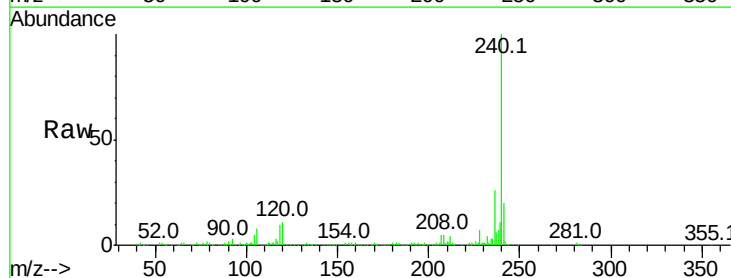
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

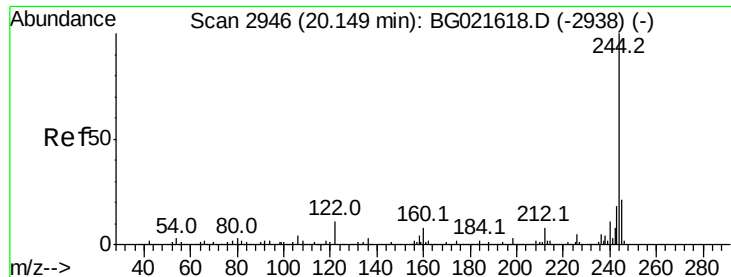
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.5	11.3
80	11.0	8.6	13.0



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.83 min Scan# 3232
 Delta R.T. -0.01 min
 Lab File: BG021641.D
 Acq: 14 Apr 2016 5:37

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.4	12.6
236	25.7	19.6	29.4





#78

Terphenyl-d14

Concen: 88.81 ng

RT: 20.15 min Scan# 2946

Delta R.T. -0.00 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

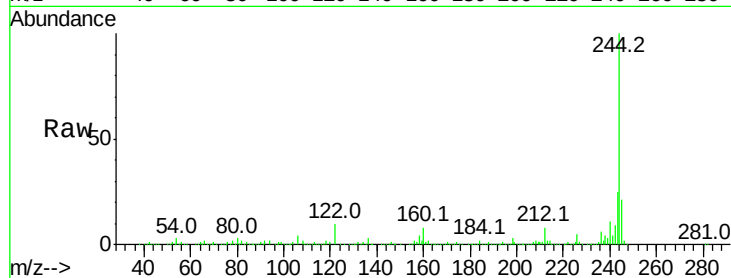
Tot Ion:244 Resp: 836324

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

122 10.4 8.6 12.8



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

20.15

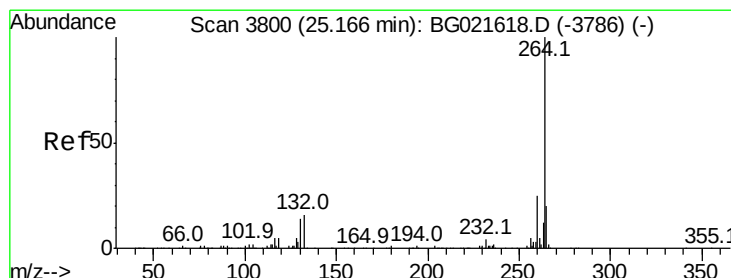
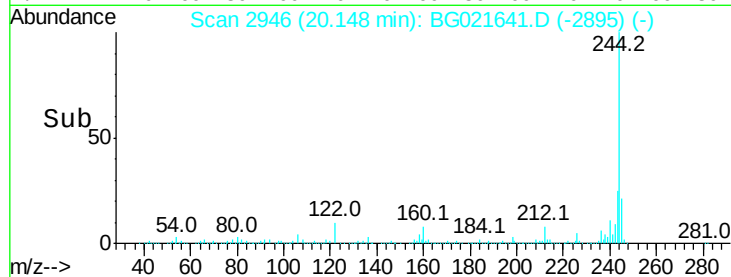
600000

400000

200000

0

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.15 min Scan# 3798

Delta R.T. -0.01 min

Lab File: BG021641.D

Acq: 14 Apr 2016 5:37

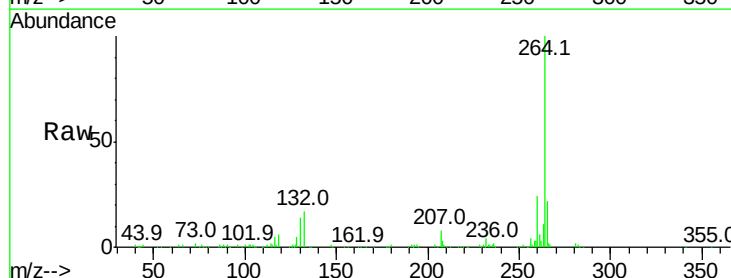
Tgt Ion:264 Resp: 226075

Ion Ratio Lower Upper

264 100

260 24.1 20.2 30.4

265 22.2 17.8 26.8



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

25.15

100000

80000

60000

40000

20000

0

Time-->

