

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG021116\
 Data File : BG020865.D
 Acq On : 11 Feb 2016 20:46
 Operator : SJ/UM
 Sample : G4825-03
 Misc : LOD 8PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Feb 12 05:05:52 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	20802	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	103743	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	67115	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	143632	20.00	ng	0.00
75) Chrysene-d12	21.90	240	134194	20.00	ng	0.00
86) Perylene-d12	25.28	264	125042	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	143542	116.21	ng	0.00
7) Phenol-d6	7.41	99	201041	111.35	ng	0.00
23) Nitrobenzene-d5	9.43	82	110034	69.74	ng	0.00
41) 2,4,6-Tribromophenol	16.36	330	75864	114.94	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	313226	65.56	ng	0.00
78) Terphenyl-d14	20.20	244	426736	74.18	ng	0.00

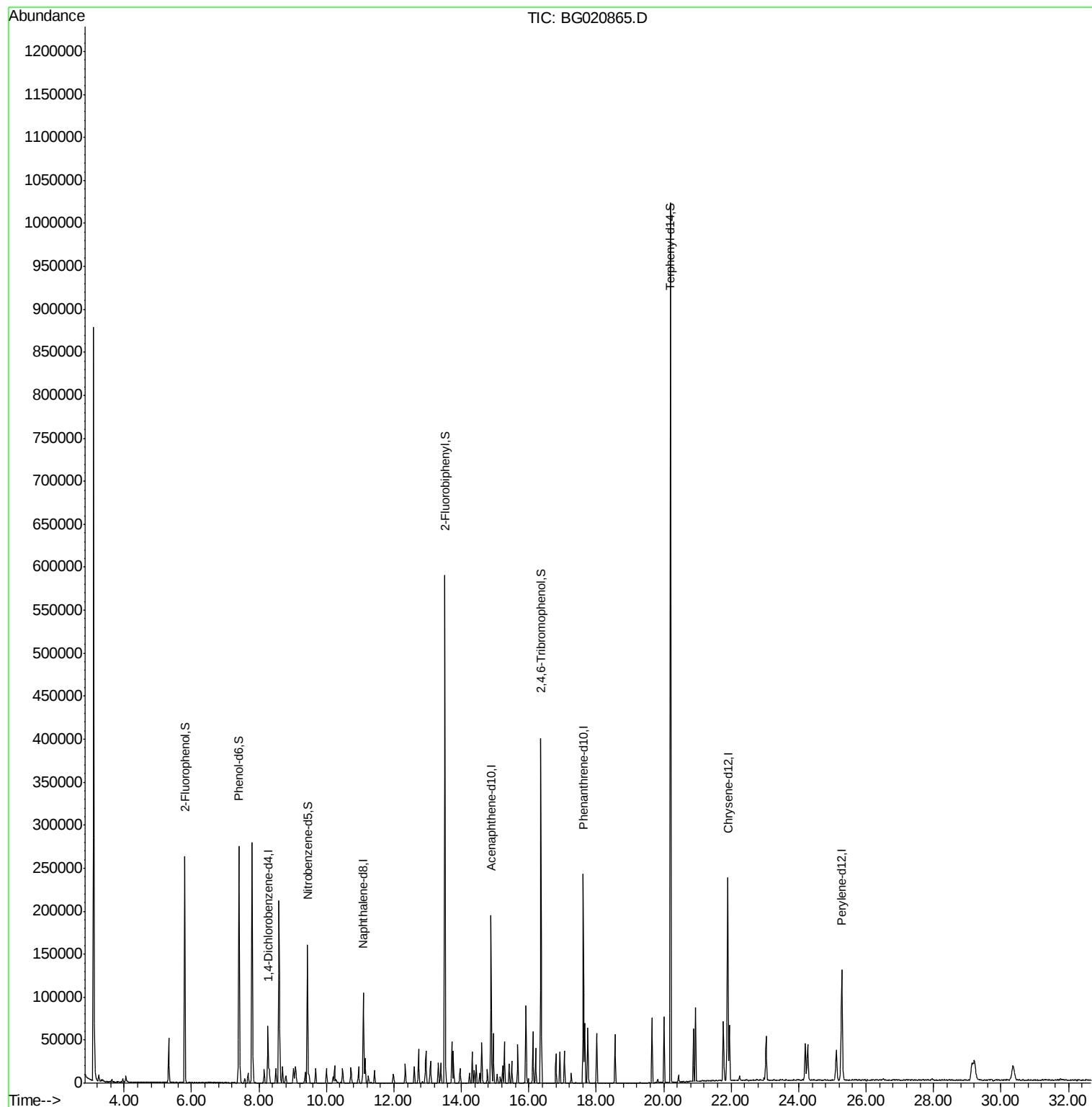
Target Compounds Qvalue

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

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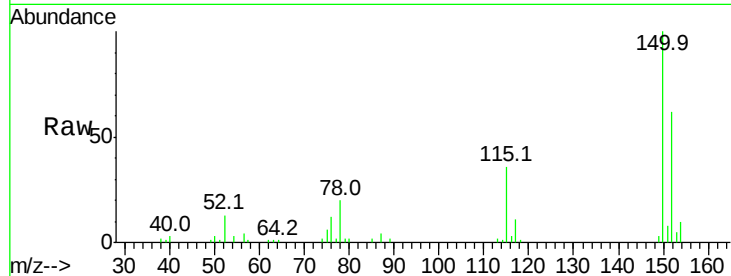


#1

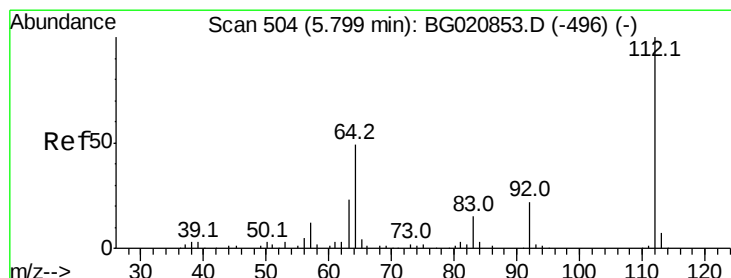
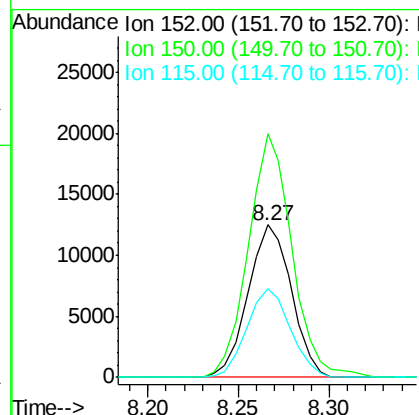
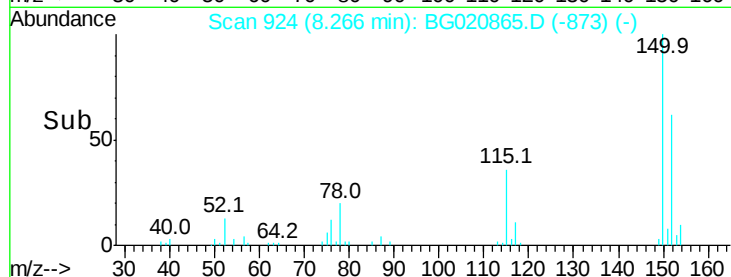
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.27 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:152 Resp: 20802
Ion Ratio Lower Upper
152 100
150 160.0 122.0 183.0
115 58.4 45.2 67.8



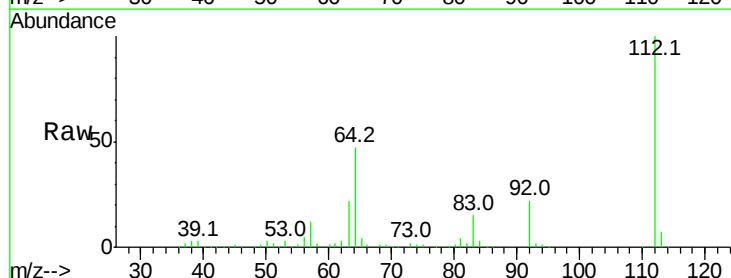
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



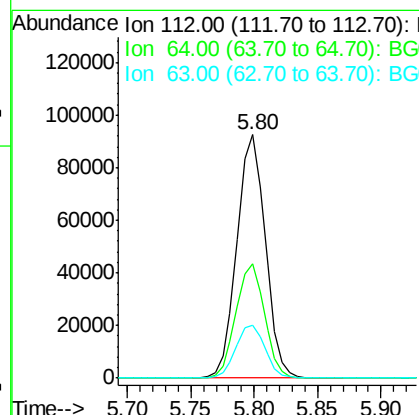
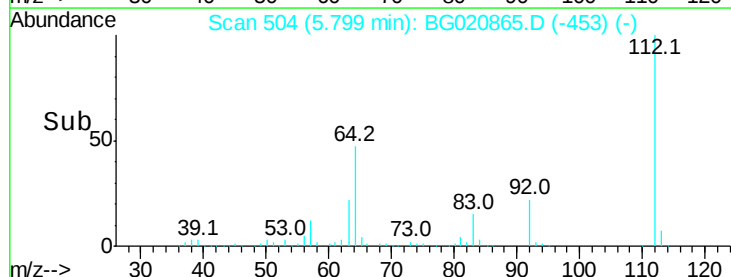
#5

2-Fluorophenol
Concen: 116.21 ng
RT: 5.80 min Scan# 504
Delta R.T. -0.00 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion:112 Resp: 143542
Ion Ratio Lower Upper
112 100
64 46.8 39.3 58.9
63 21.8 18.2 27.4



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: 111.35 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

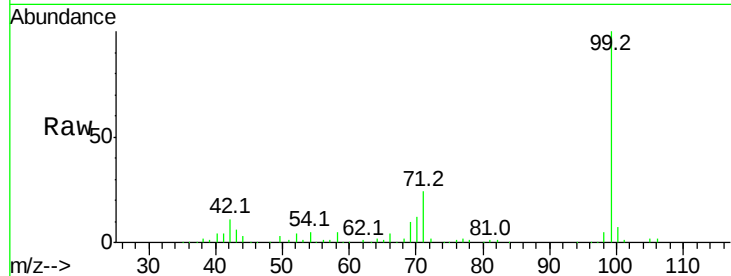
Tot Ion: 99 Resp: 201041

Ion Ratio Lower Upper

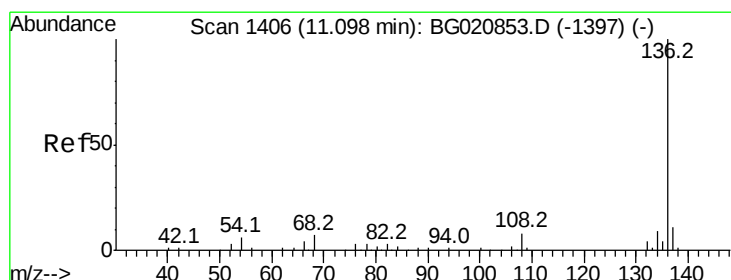
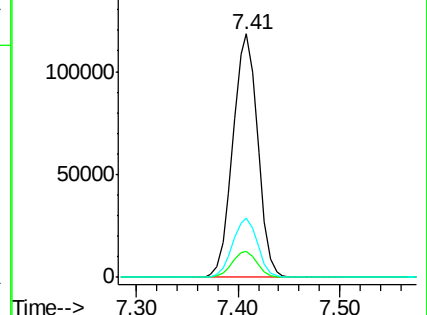
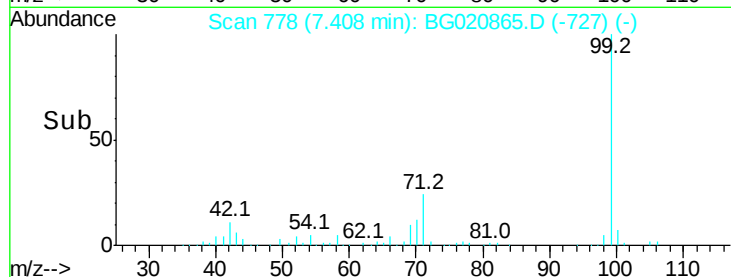
99 100

42 10.6 8.4 12.6

71 24.1 19.4 29.0



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: 11.09 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Tgt Ion: 136 Resp: 103743

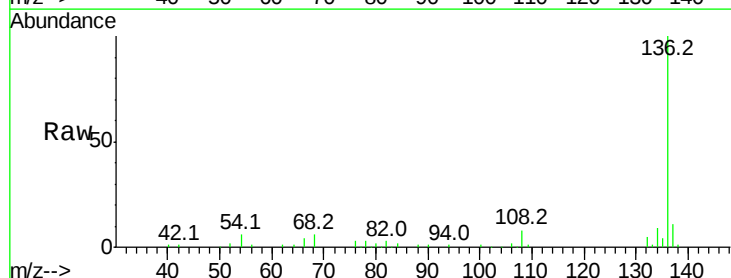
Ion Ratio Lower Upper

136 100

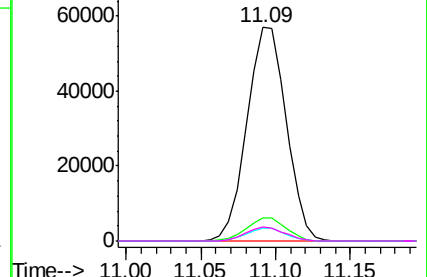
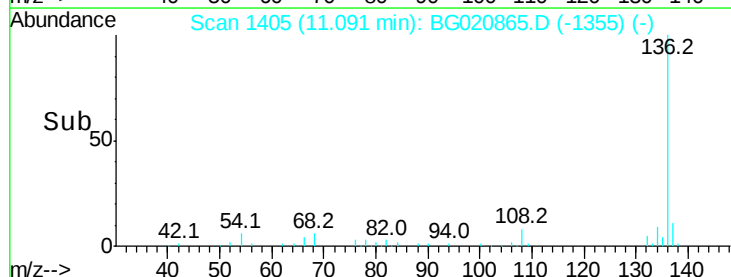
137 10.8 8.8 13.2

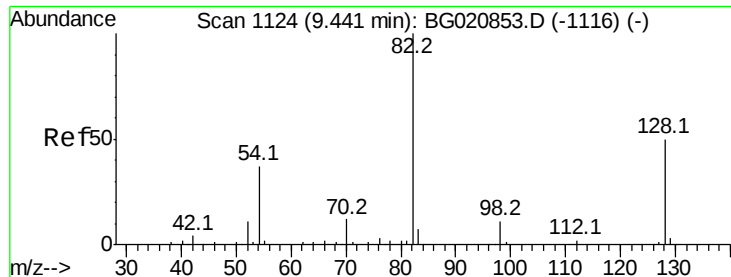
54 5.7 5.0 7.4

68 6.4 5.2 7.8



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: 69.74 ng

RT: 9.43 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

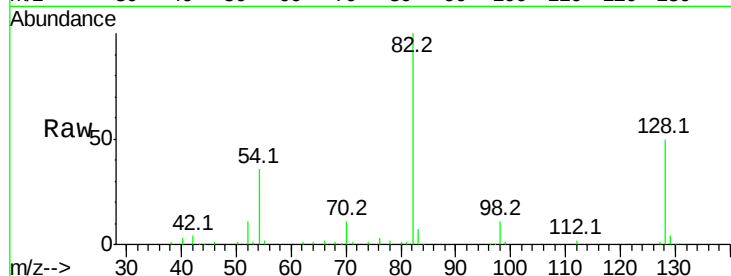
Tot Ion: 82 Resp: 110034

Ion Ratio Lower Upper

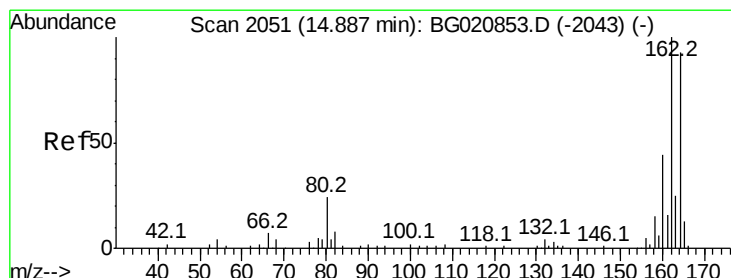
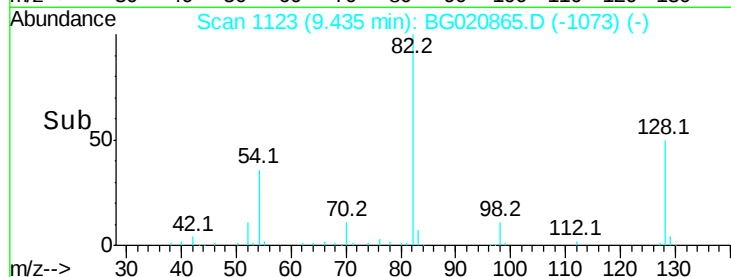
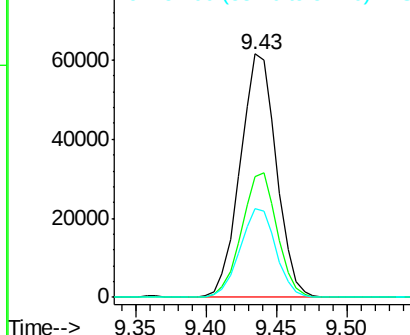
82 100

128 49.6 40.1 60.1

54 36.3 29.5 44.3



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: 14.88 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

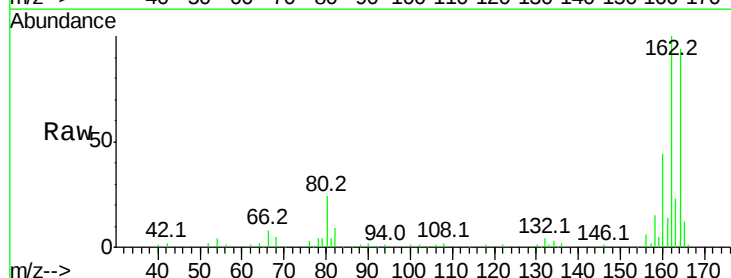
Tgt Ion:164 Resp: 67115

Ion Ratio Lower Upper

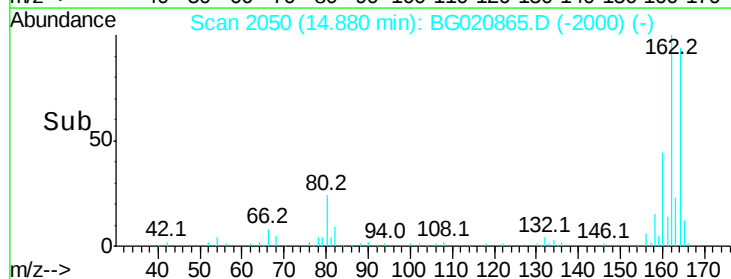
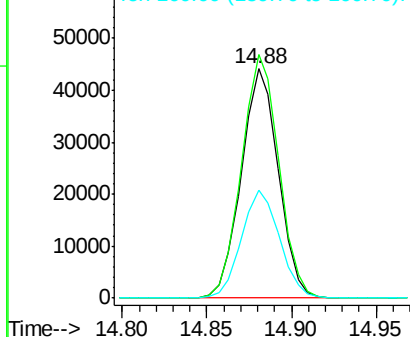
164 100

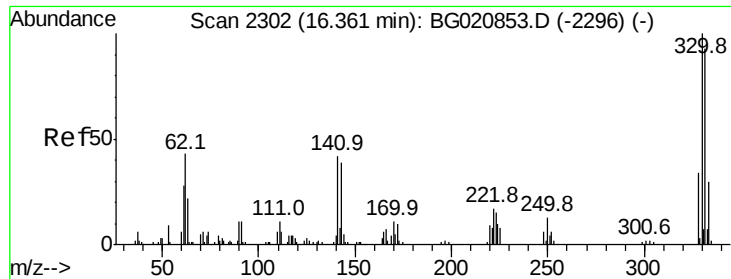
162 106.2 85.7 128.5

160 47.0 37.4 56.0



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

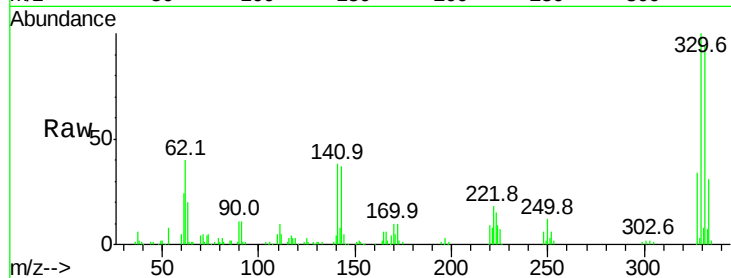




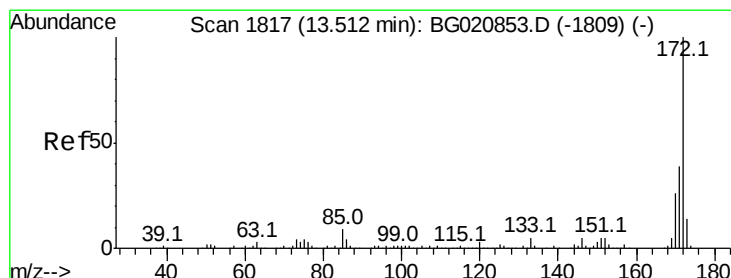
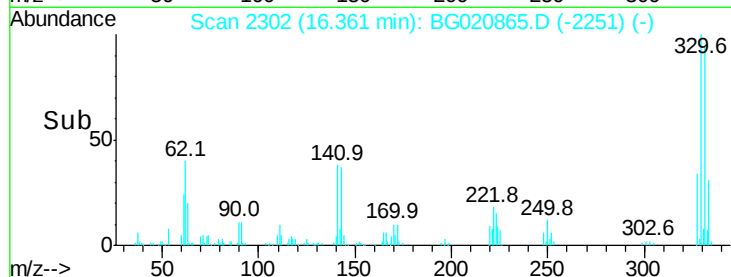
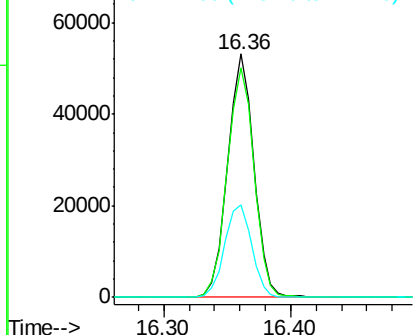
#41
 2,4,6-Tribromophenol
 Concen: 114.94 ng
 RT: 16.36 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:330 Resp: 75864
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.1 114.1
 141 39.2 32.0 48.0

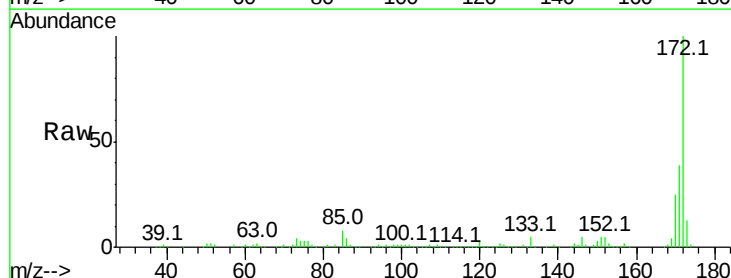


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

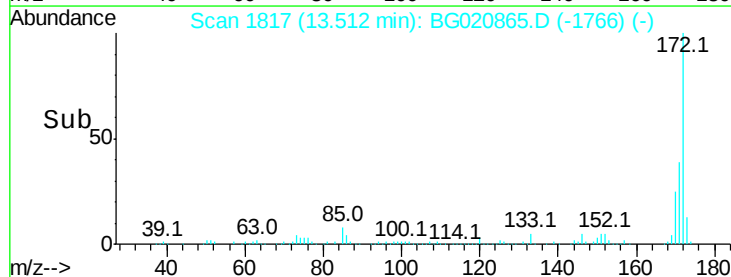
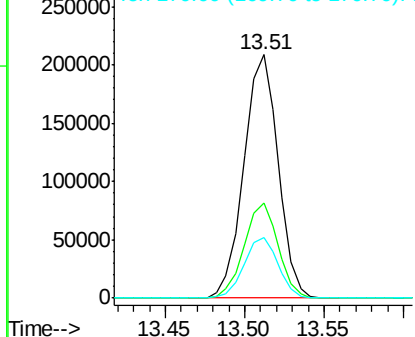


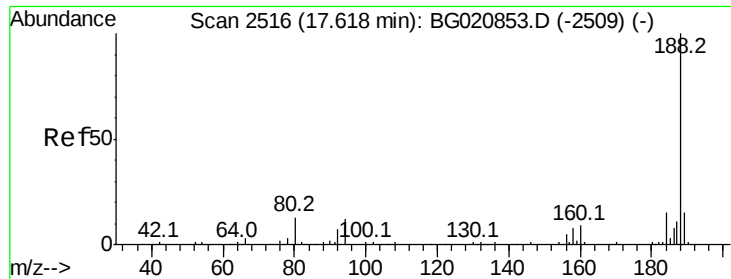
#44
 2-Fluorobiphenyl
 Concen: 65.56 ng
 RT: 13.51 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: BG020865.D
 Acq: 11 Feb 2016 20:46

Tgt Ion:172 Resp: 313226
 Ion Ratio Lower Upper
 172 100
 171 38.8 31.2 46.8
 170 25.1 20.6 30.8



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

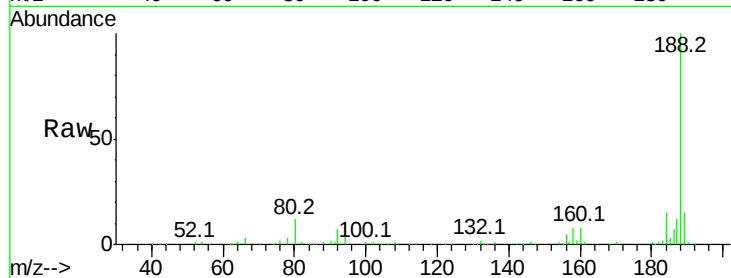




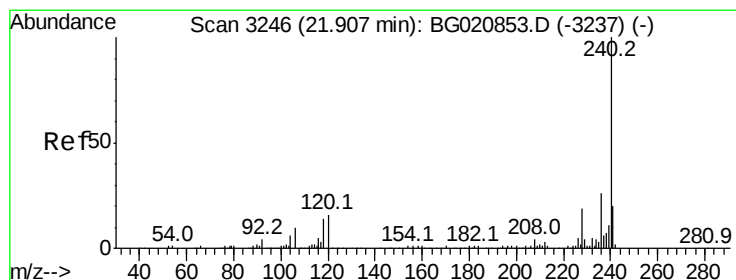
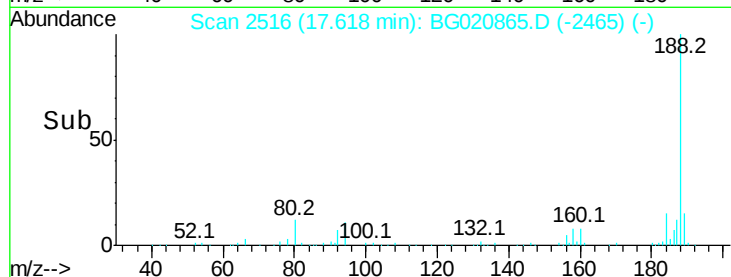
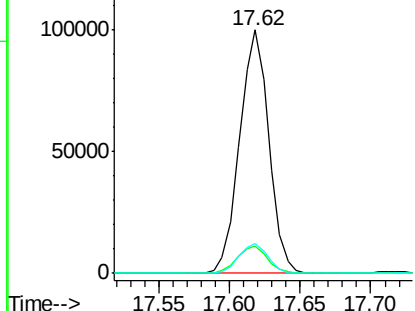
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.62 min Scan# 2516
Delta R.T. -0.00 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:188 Resp: 143632
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.0
80 12.0 10.2 15.4

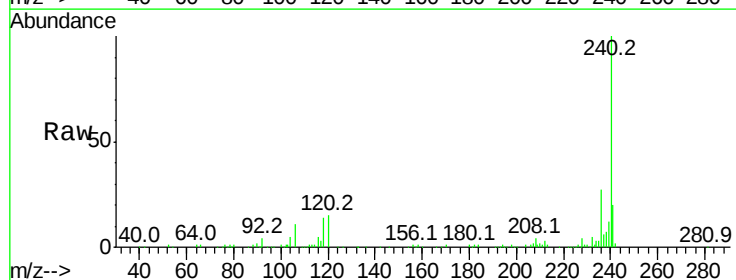


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

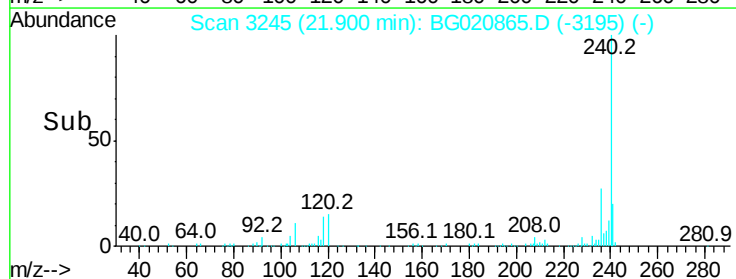
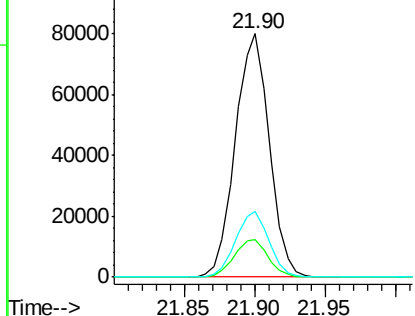


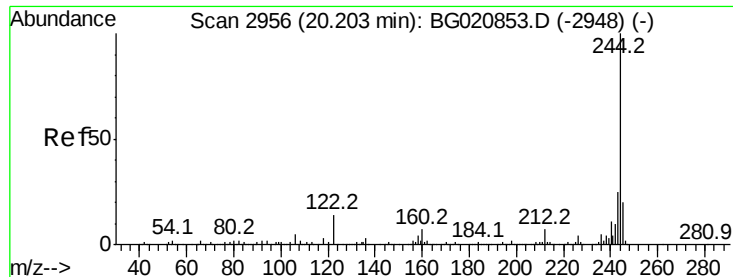
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.90 min Scan# 3245
Delta R.T. -0.01 min
Lab File: BG020865.D
Acq: 11 Feb 2016 20:46

Tgt Ion:240 Resp: 134194
Ion Ratio Lower Upper
240 100
120 15.2 13.0 19.4
236 27.2 21.0 31.4



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: 74.18 ng

RT: 20.20 min Scan# 2955

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

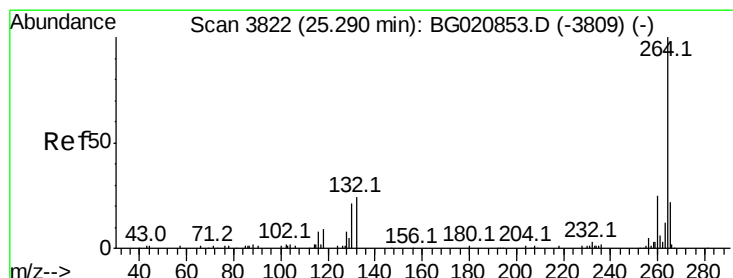
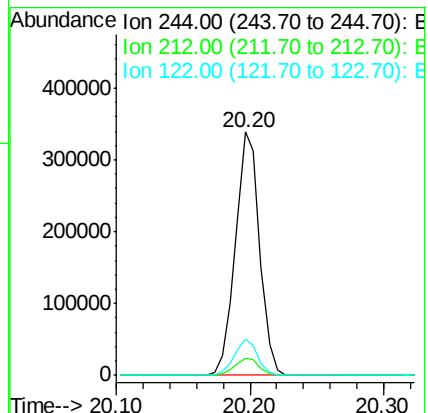
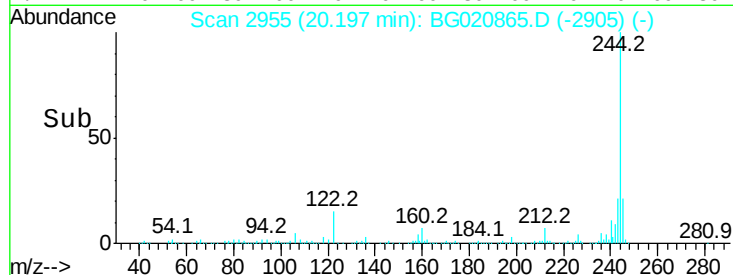
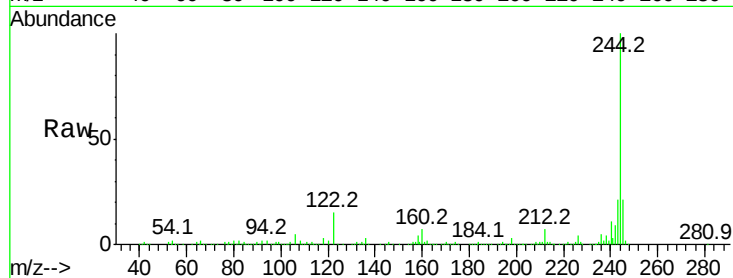
Tot Ion:244 Resp: 426736

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 14.8 11.4 17.2



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.28 min Scan# 3820

Delta R.T. -0.01 min

Lab File: BG020865.D

Acq: 11 Feb 2016 20:46

Tgt Ion:264 Resp: 125042

Ion Ratio Lower Upper

264 100

260 23.9 19.9 29.9

265 22.0 18.0 27.0

