

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100317\
 Data File : BG029011.D
 Acq On : 3 Oct 2017 18:42
 Operator : SJ/JU
 Sample : I5275-01
 Misc : LOD 5 PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Quant Time: Oct 05 01:35:37 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

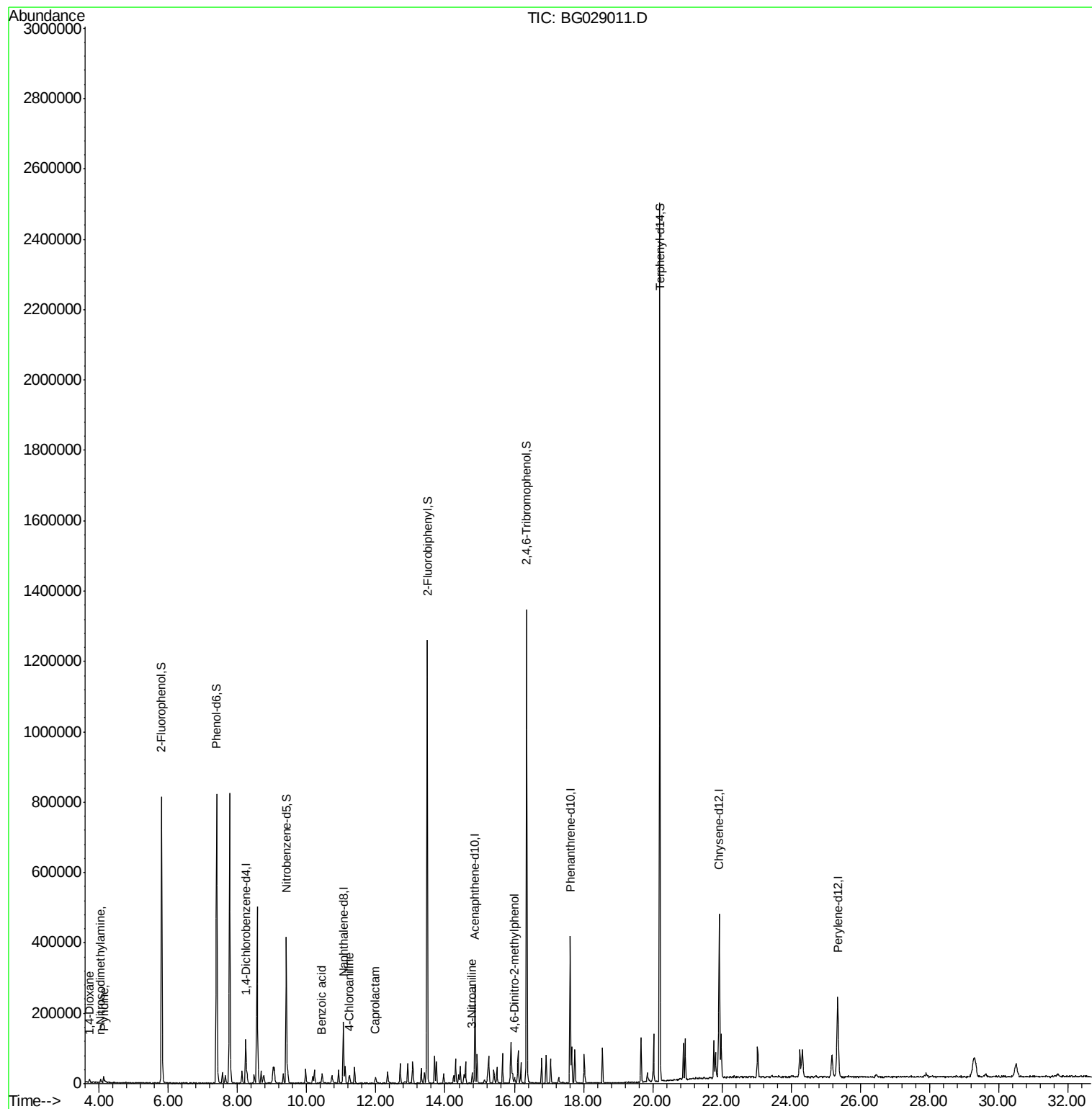
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	33976	20.00	ng	-0.09
21) Naphthalene-d8	11.06	136	144547	20.00	ng	-0.09
38) Acenaphthene-d10	14.86	164	101961	20.00	ng	-0.08
63) Phenanthrene-d10	17.61	188	257822	20.00	ng	-0.08
75) Chrysene-d12	21.93	240	293538	20.00	ng	-0.10
86) Perylene-d12	25.35	264	281757	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	351862	170.88	ng	-0.10
7) Phenol-d6	7.40	99	487068	157.11	ng	-0.09
23) Nitrobenzene-d5	9.41	82	258328	85.49	ng	-0.09
41) 2,4,6-Tribromophenol	16.36	330	286185	169.70	ng	-0.08
44) 2-Fluorobiphenyl	13.48	172	660027	86.32	ng	-0.08
78) Terphenyl-d14	20.21	244	1108185	80.51	ng	-0.08
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.72	88	4485	5.379	ng	90
3) Pyridine	4.12	79	12592	5.294	ng	91
4) n-Nitrosodimethylamine	4.04	42	6293	5.816	ng	95
32) Benzoic acid	10.43	122	388	6.269	ng	86
33) 4-Chloroaniline	11.23	127	14587	4.612	ng	94
35) Caprolactam	11.98	113	3450	3.715	ng	# 92
52) 3-Nitroaniline	14.78	138	7992	4.750	ng	79
64) 4,6-Dinitro-2-methylphenol	16.01	198	4448	2.674	ng	76

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

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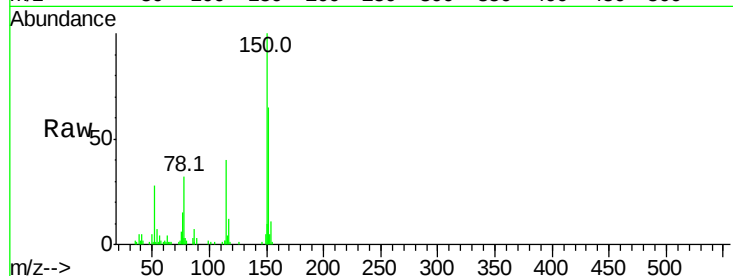


#1

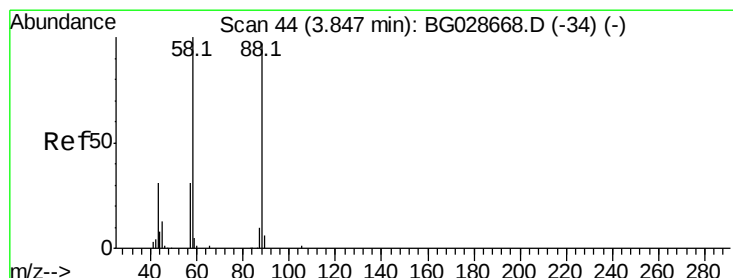
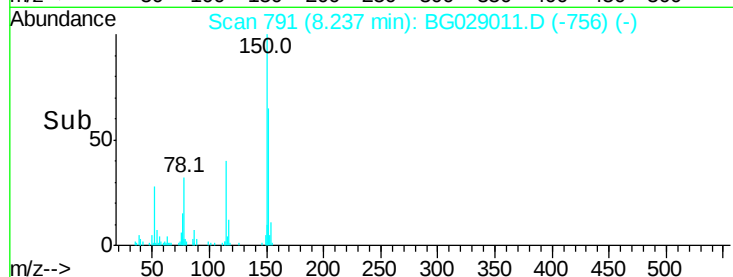
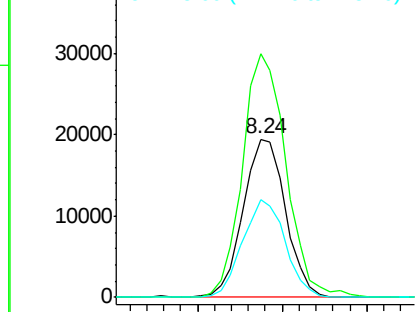
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.24 min Scan# 791
Delta R.T. -0.09 min
Lab File: BG029011.D
Acq: 3 Oct 2017 18:42

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT4-2017

Tot Ion:152 Resp: 33976
Ion Ratio Lower Upper
152 100
150 153.9 114.0 171.0
115 61.7 48.1 72.1



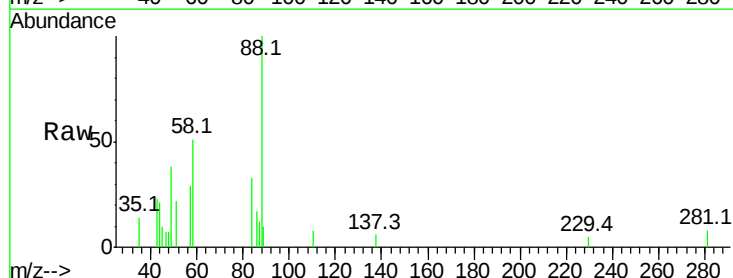
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



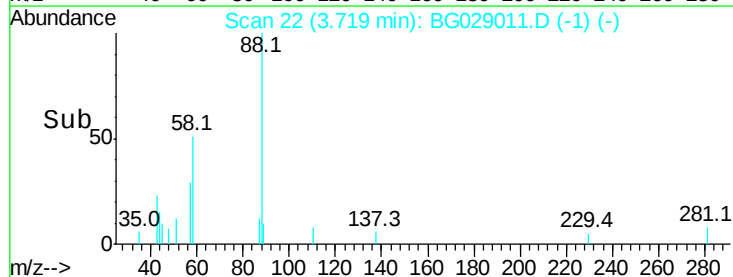
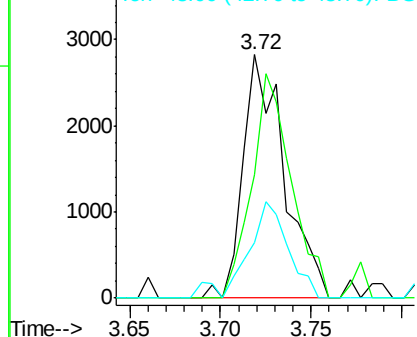
#2

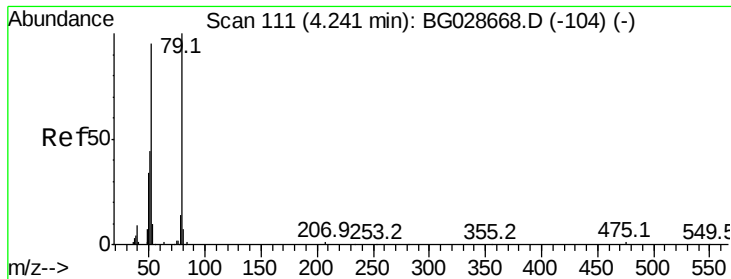
1,4-Dioxane
Concen: 5.379 ng
RT: 3.72 min Scan# 22
Delta R.T. -0.13 min
Lab File: BG029011.D
Acq: 3 Oct 2017 18:42

Tgt Ion: 88 Resp: 4485
Ion Ratio Lower Upper
88 100
58 87.8 79.4 119.2
43 39.1 33.8 50.6



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 5.294 ng

RT: 4.12 min Scan# 91

Delta R.T. -0.12 min

Lab File: BG029011.D

Acq: 3 Oct 2017 18:42

Instrument :

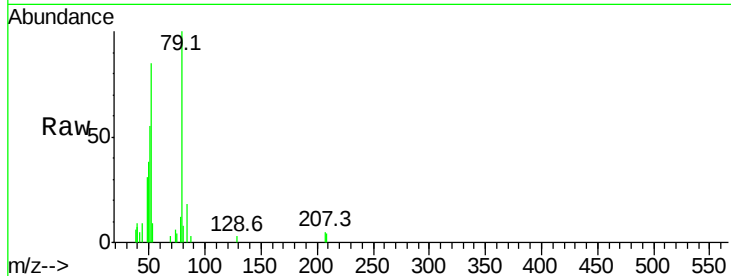
BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

Tot Ion: 79 Resp: 12592

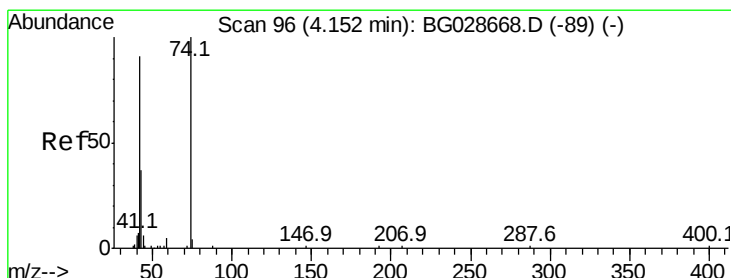
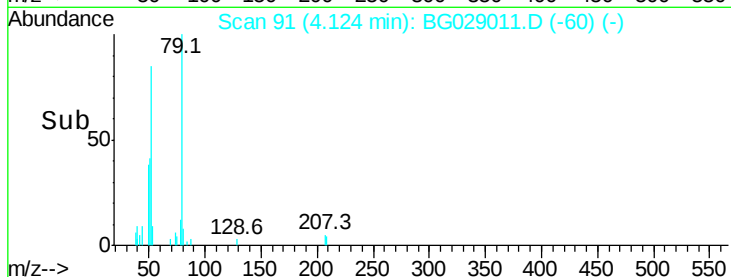
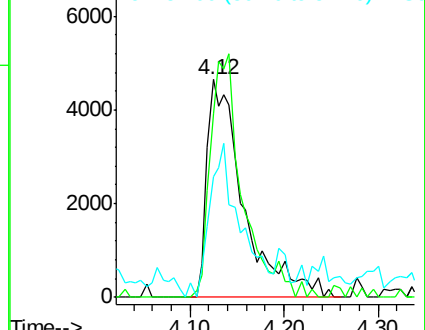
Ion	Ratio	Lower	Upper
79	100		
52	84.6	77.8	116.6
51	55.2	43.2	64.8



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 5.816 ng

RT: 4.04 min Scan# 77

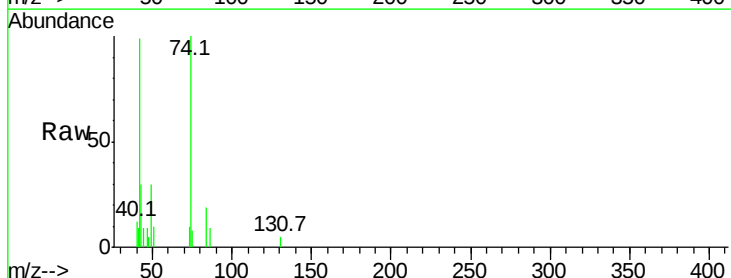
Delta R.T. -0.11 min

Lab File: BG029011.D

Acq: 3 Oct 2017 18:42

Tgt Ion: 42 Resp: 6293

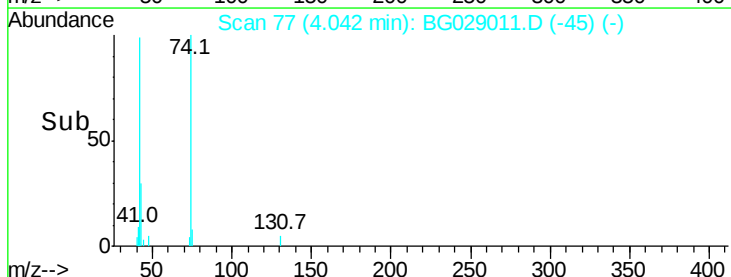
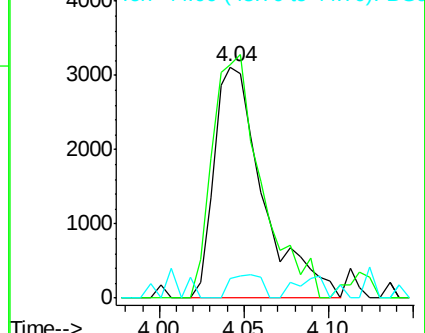
Ion	Ratio	Lower	Upper
42	100		
74	101.2	76.7	115.1
44	8.7	6.1	9.1

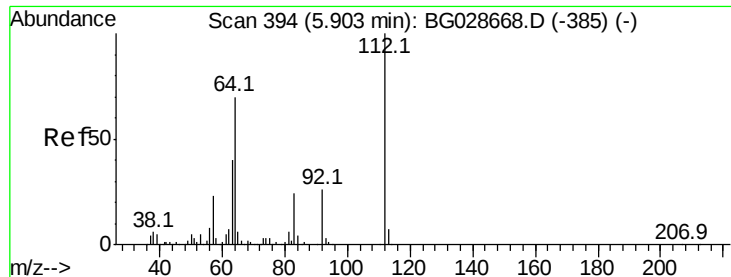


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 170.882 ng

RT: 5.80 min Scan# 377

Delta R.T. -0.10 min

Lab File: BG029011.D

Acq: 3 Oct 2017 18:42

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

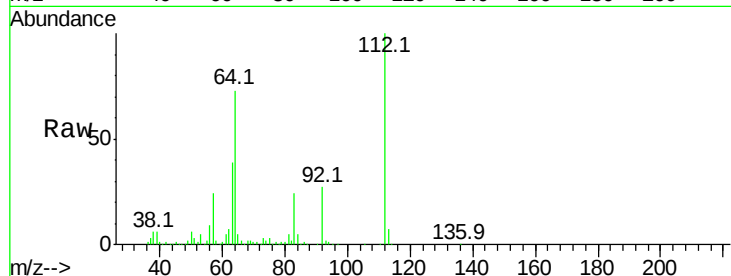
Tot Ion:112 Resp: 351862

Ion Ratio Lower Upper

112 100

64 72.6 61.8 92.6

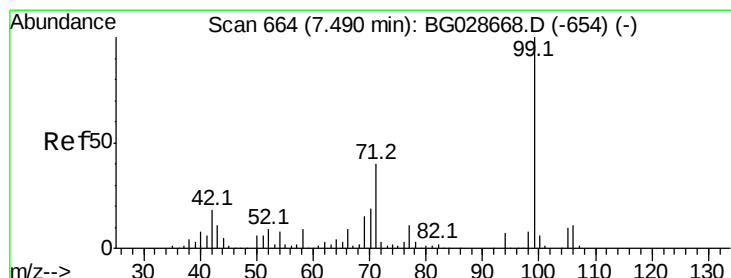
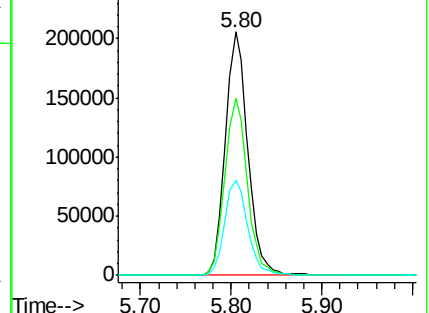
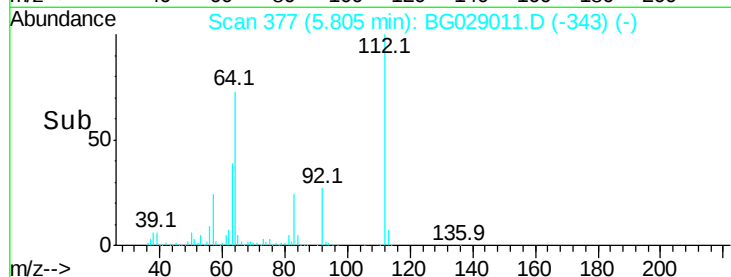
63 38.8 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 157.108 ng

RT: 7.40 min Scan# 648

Delta R.T. -0.09 min

Lab File: BG029011.D

Acq: 3 Oct 2017 18:42

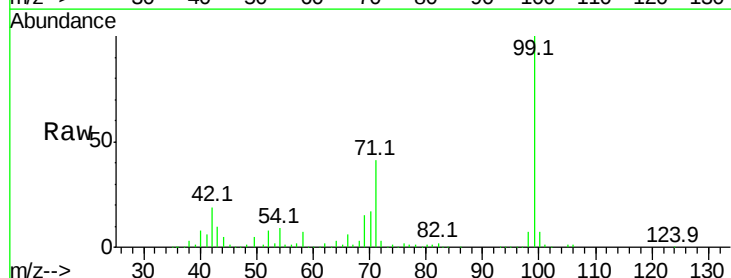
Tgt Ion: 99 Resp: 487068

Ion Ratio Lower Upper

99 100

42 18.8 20.5 30.7#

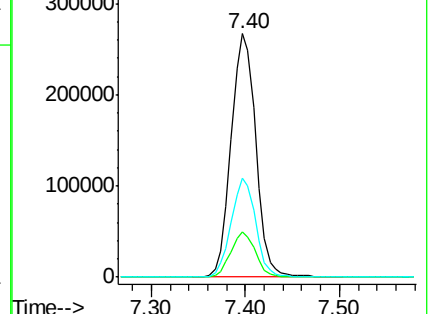
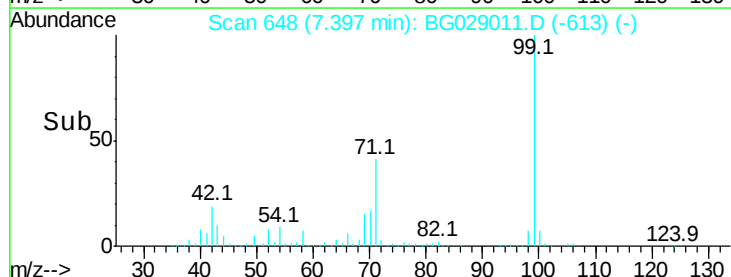
71 40.6 37.6 56.4

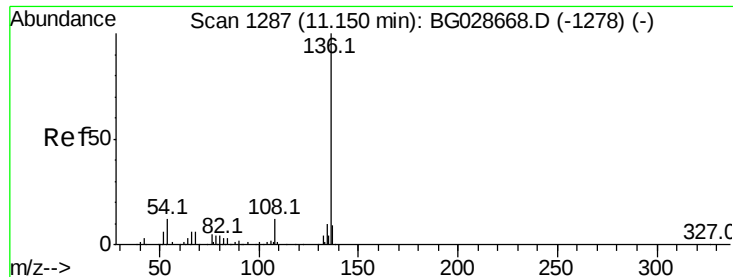


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

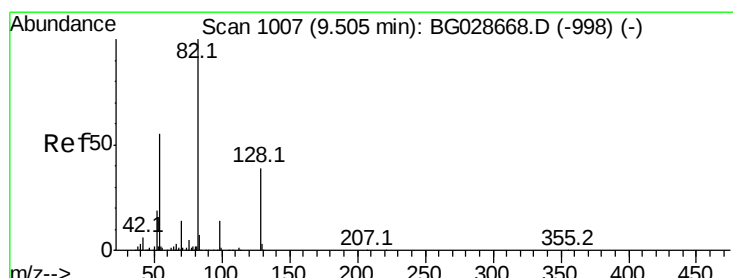
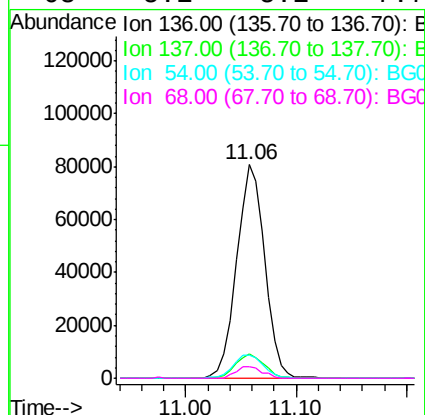
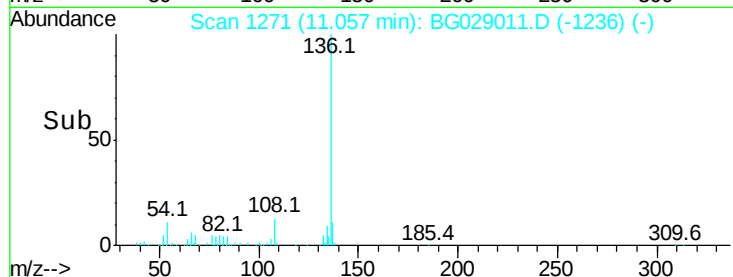
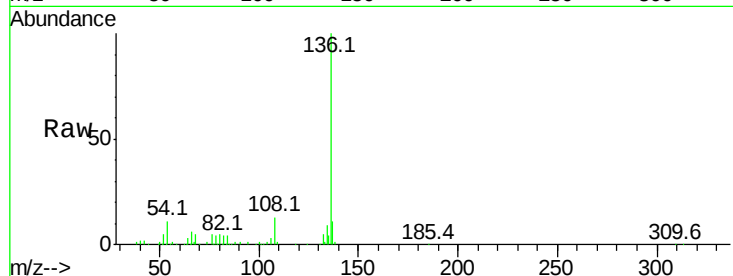




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.06 min Scan# 1271
Delta R.T. -0.09 min
Lab File: BG029011.D
Acq: 3 Oct 2017 18:42

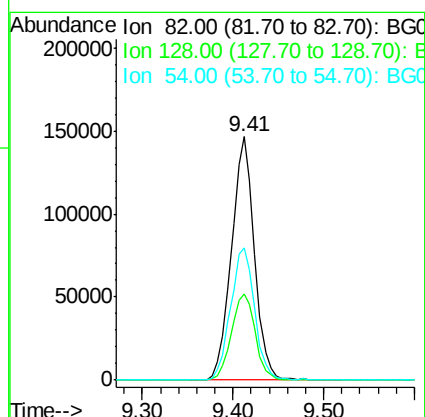
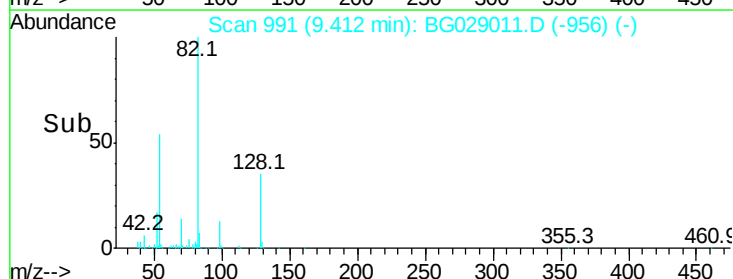
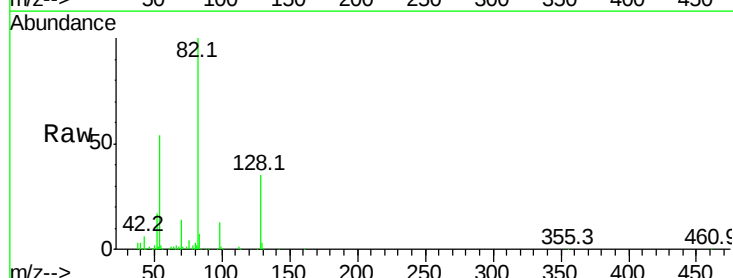
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT4-2017

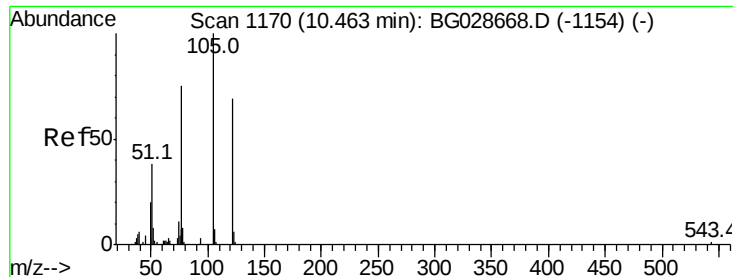
Tot Ion:	136	Resp:	144547
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	10.9	9.3	13.9
68	5.1	5.1	7.7



#23
Nitrobenzene-d5
Concen: 85.493 ng
RT: 9.41 min Scan# 991
Delta R.T. -0.09 min
Lab File: BG029011.D
Acq: 3 Oct 2017 18:42

Tgt Ion:	82	Resp:	258328
Ion	Ratio	Lower	Upper
82	100		
128	35.4	26.4	39.6
54	54.3	49.4	74.2





#32

Benzoic acid

Concen: 6.269 ng

RT: 10.43 min Scan# 1164

Delta R.T. -0.03 min

Lab File: BG029011.D

Acq: 3 Oct 2017 18:42

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

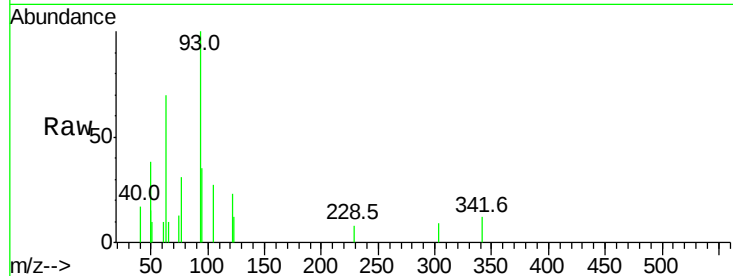
Tot Ion:122 Resp: 388

Ion Ratio Lower Upper

122 100

105 121.4 120.1 160.1

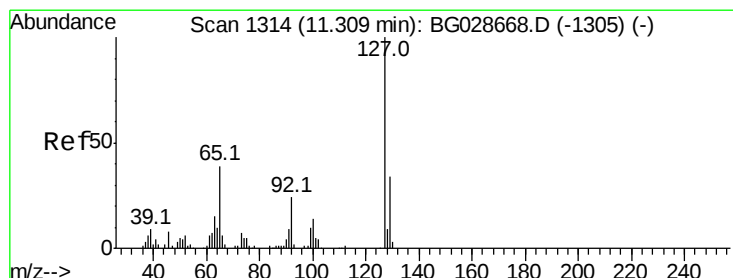
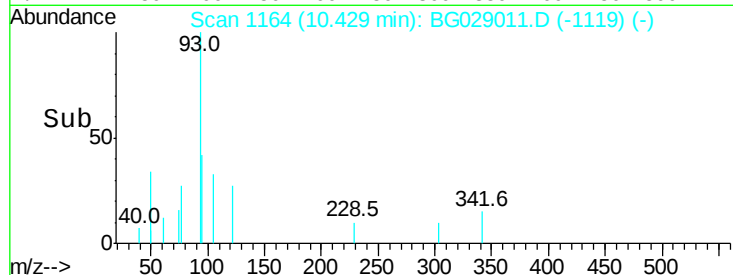
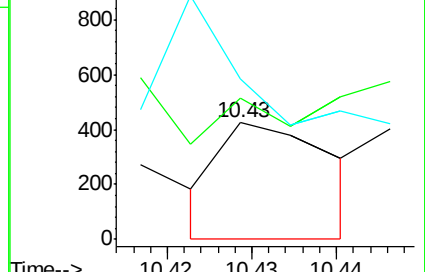
77 137.6 104.6 144.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#33

4-Chloroaniline

Concen: 4.612 ng

RT: 11.23 min Scan# 1300

Delta R.T. -0.08 min

Lab File: BG029011.D

Acq: 3 Oct 2017 18:42

Tgt Ion:127 Resp: 14587

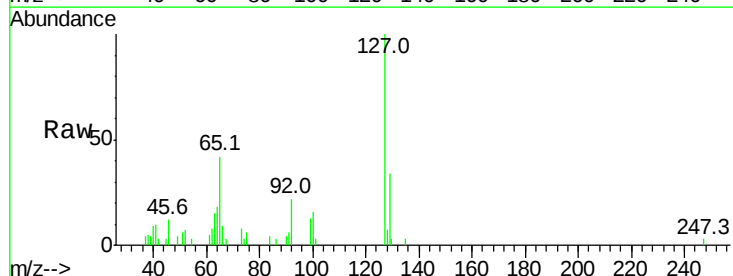
Ion Ratio Lower Upper

127 100

129 33.9 23.6 35.4

65 42.4 37.7 56.5

92 22.3 17.6 26.4

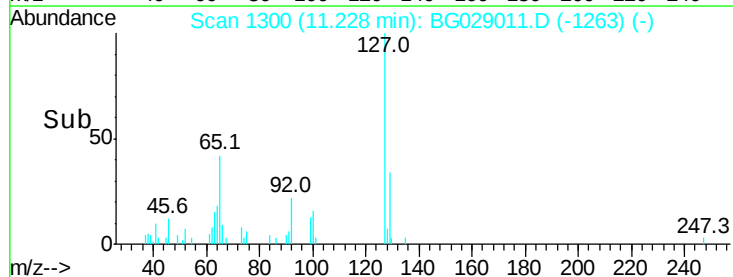
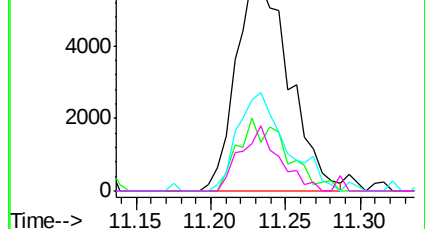


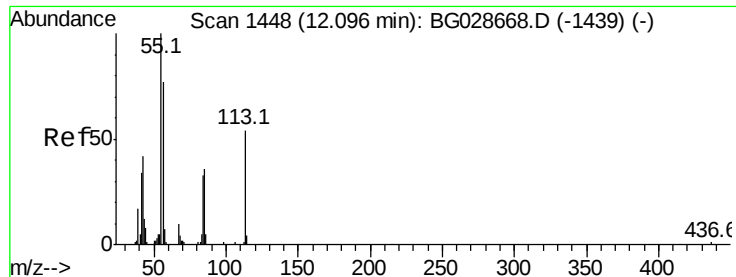
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC





#35

Caprolactam

Concen: 3.715 ng

RT: 11.98 min Scan# 1428

Delta R.T. -0.12 min

Lab File: BG029011.D

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LOD-SOIL-01-QT4-2017

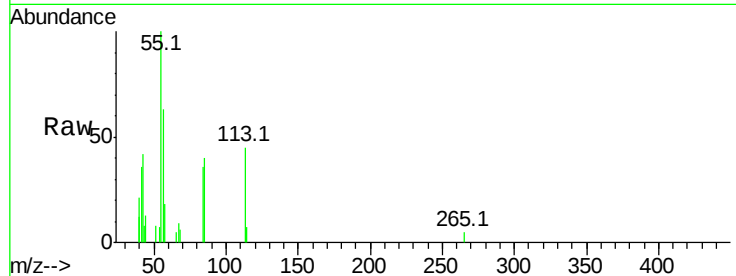
Tot Ion:113 Resp: 3450

Ion Ratio Lower Upper

113 100

55 220.2 198.6 238.6

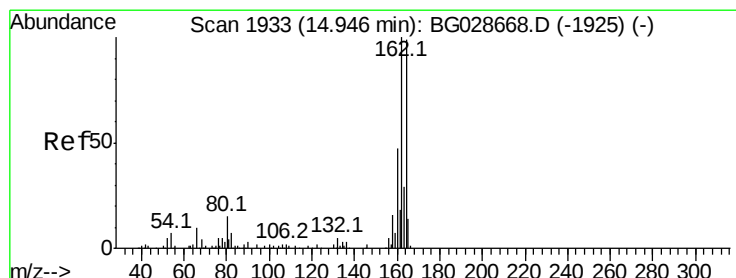
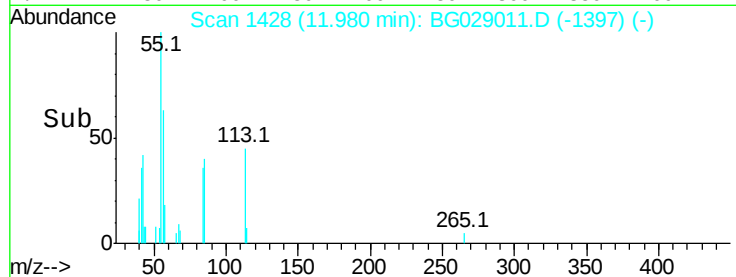
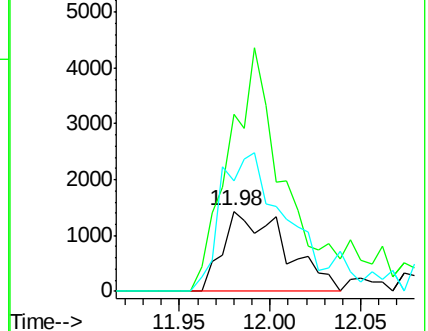
56 137.9 140.4 180.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.86 min Scan# 1919

Delta R.T. -0.08 min

Lab File: BG029011.D

Acq: 3 Oct 2017 18:42

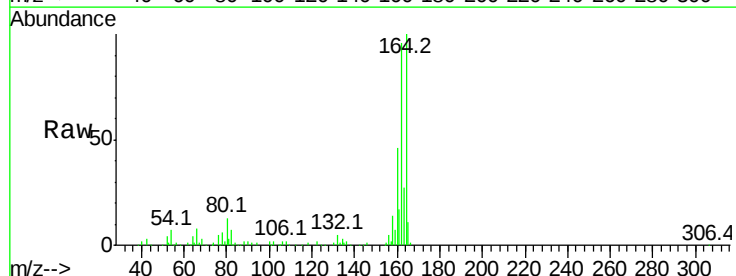
Tgt Ion:164 Resp: 101961

Ion Ratio Lower Upper

164 100

162 95.8 85.1 127.7

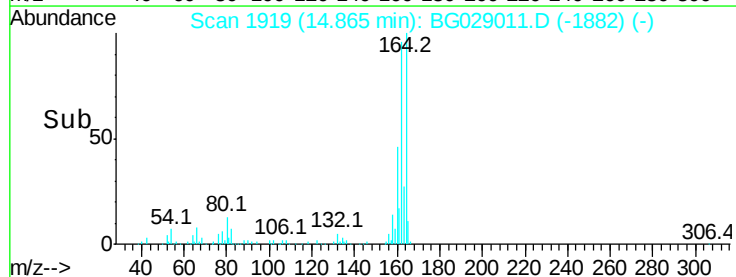
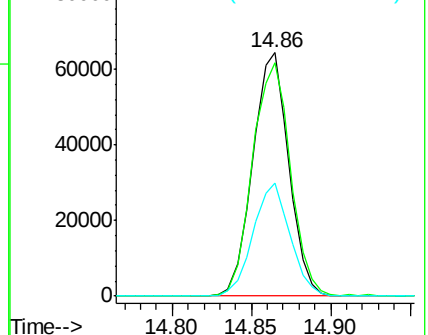
160 46.3 34.7 52.1

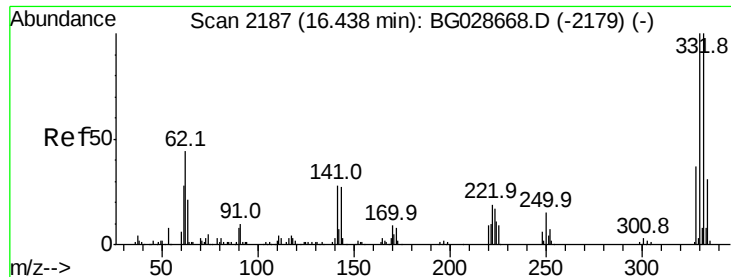


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

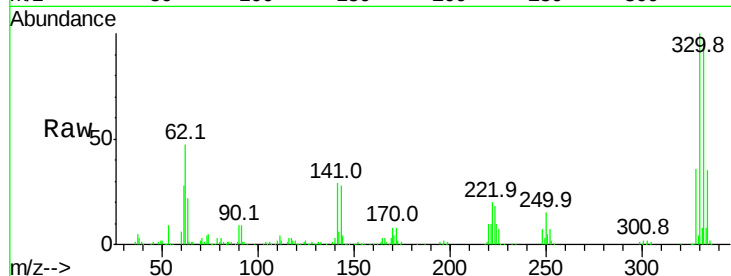




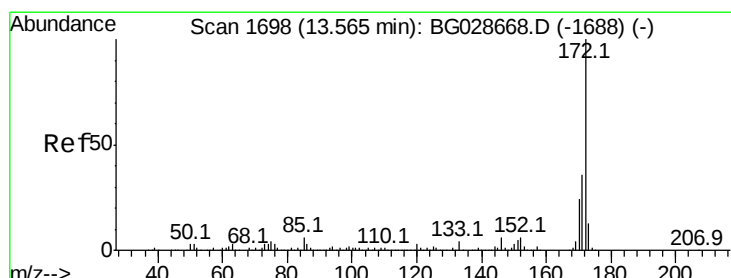
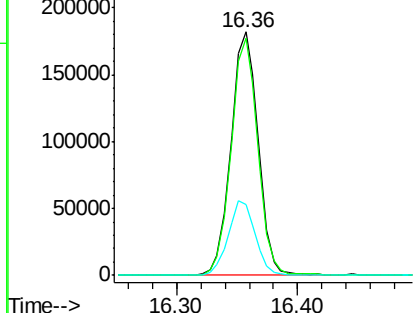
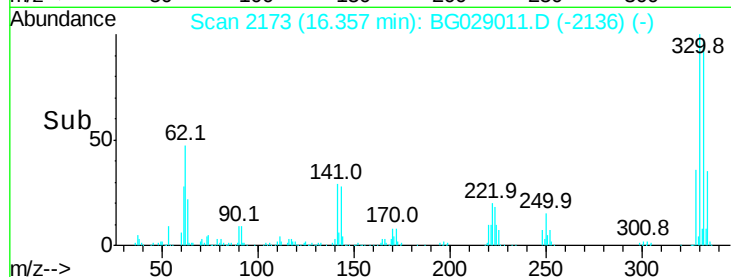
#41
 2,4,6-Tribromophenol
 Concen: 169.705 ng
 RT: 16.36 min Scan# 2173
 Delta R.T. -0.08 min
 Lab File: BG029011.D
 Acq: 3 Oct 2017 18:42

Instrument :
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 LOD-SOIL-01-QT4-2017

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.3	115.9
141	30.5	32.1	48.1#

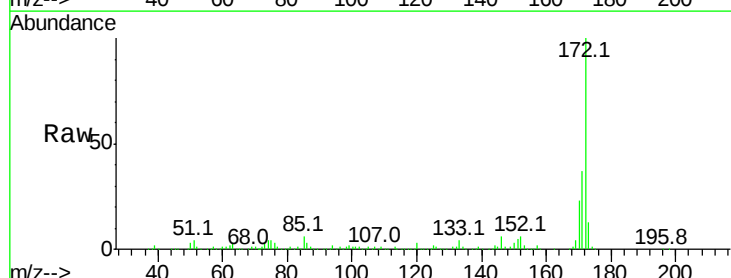


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

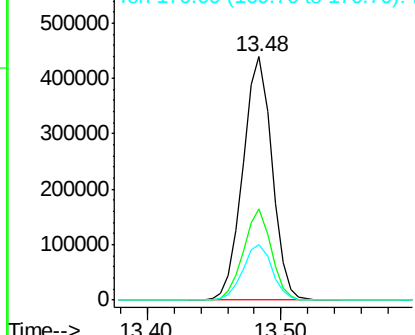
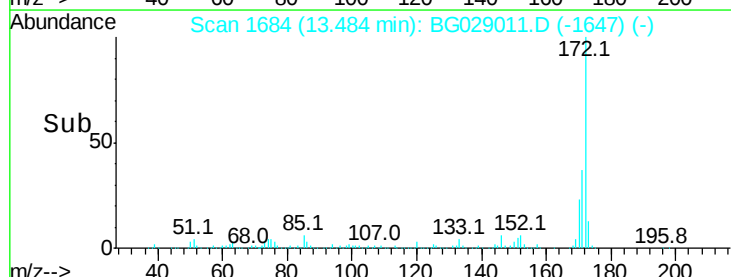


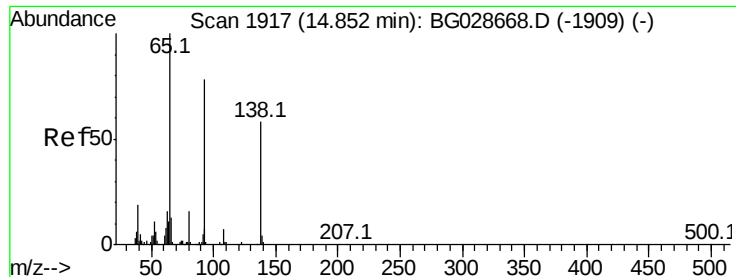
#44
 2-Fluorobiphenyl
 Concen: 86.317 ng
 RT: 13.48 min Scan# 1684
 Delta R.T. -0.08 min
 Lab File: BG029011.D
 Acq: 3 Oct 2017 18:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	32.2	48.2
170	22.8	21.8	32.6



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





#52

3-Nitroaniline

Concen: 4.750 ng

RT: 14.78 min Scan# 1905

Delta R.T. -0.07 min

Lab File: BG029011.D

Acq: 3 Oct 2017 18:42

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

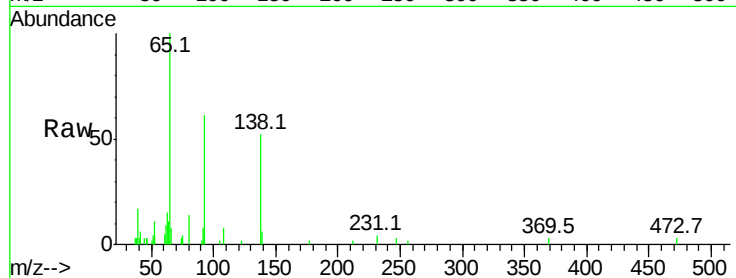
Tot Ion:138 Resp: 7992

Ion Ratio Lower Upper

138 100

108 14.6 10.9 16.3

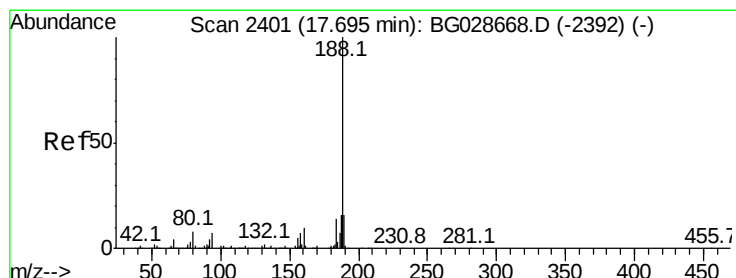
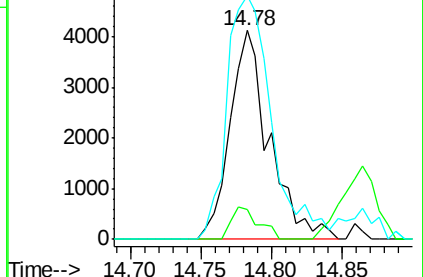
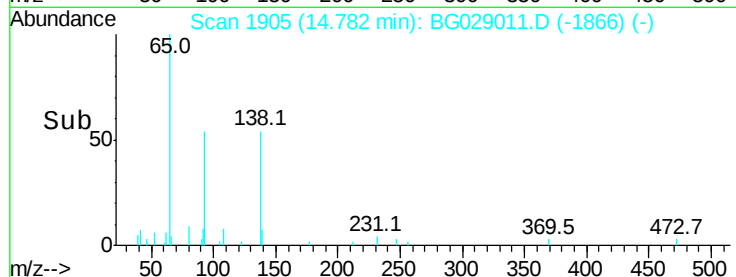
92 116.5 115.3 172.9



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.61 min Scan# 2387

Delta R.T. -0.08 min

Lab File: BG029011.D

Acq: 3 Oct 2017 18:42

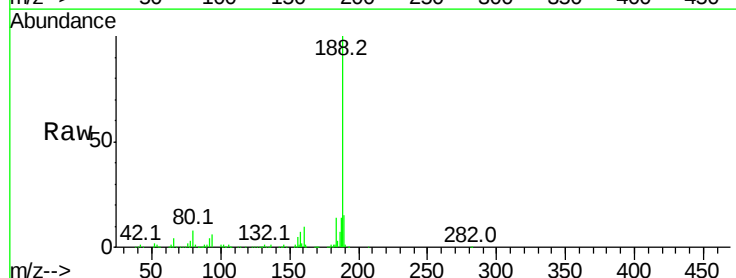
Tgt Ion:188 Resp: 257822

Ion Ratio Lower Upper

188 100

94 6.0 5.8 8.8

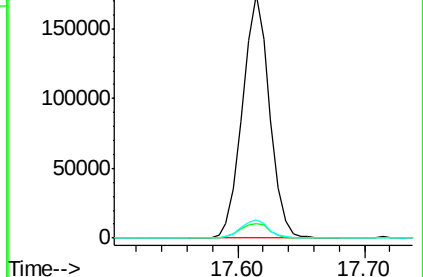
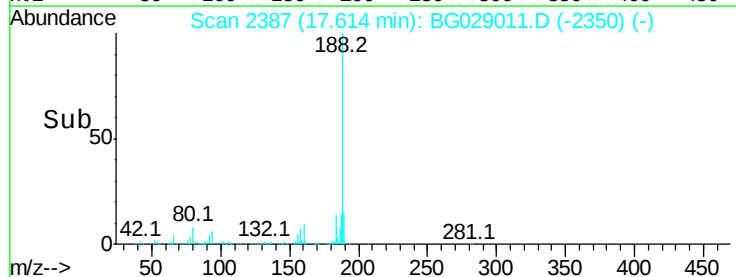
80 7.6 7.5 11.3

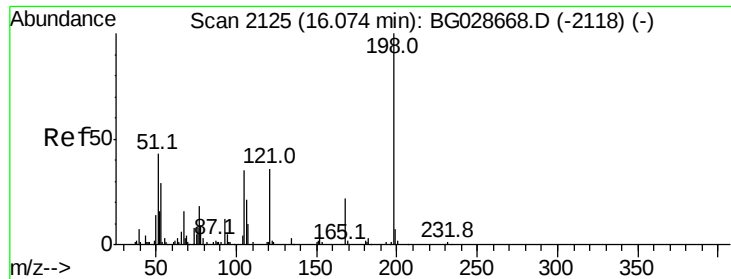


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

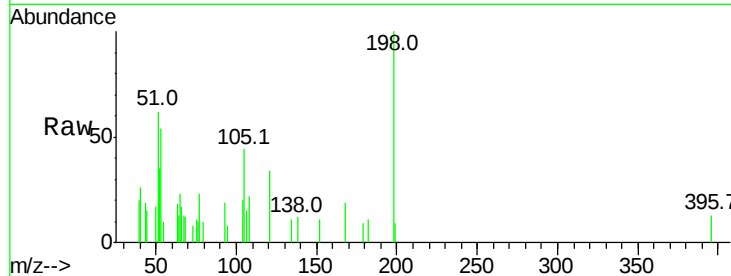




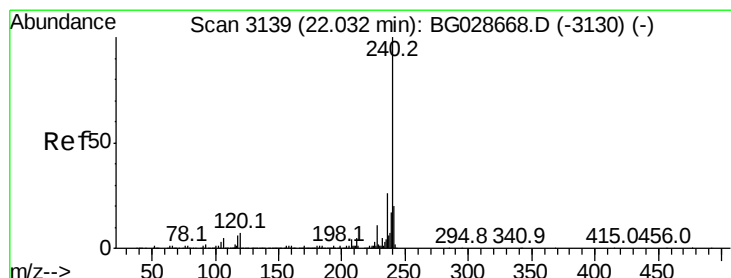
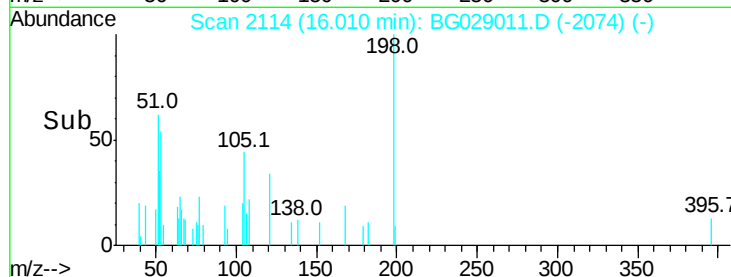
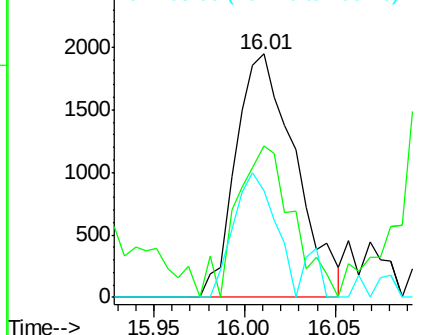
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.674 ng
 RT: 16.01 min Scan# 2114
 Delta R.T. -0.06 min
 Lab File: BG029011.D
 Acq: 3 Oct 2017 18:42

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT4-2017

Tot Ion:198 Resp: 4448
 Ion Ratio Lower Upper
 198 100
 51 62.0 22.6 62.6
 105 43.9 14.4 54.4

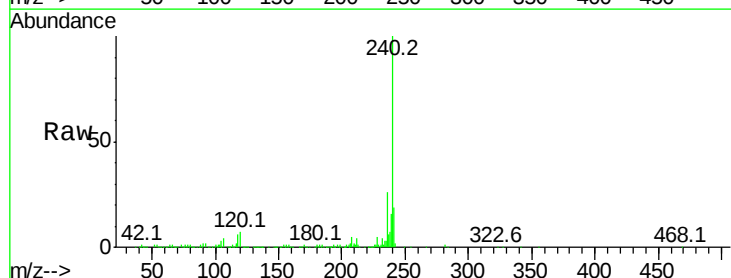


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

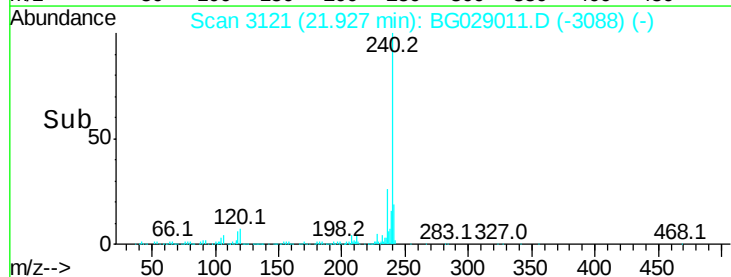
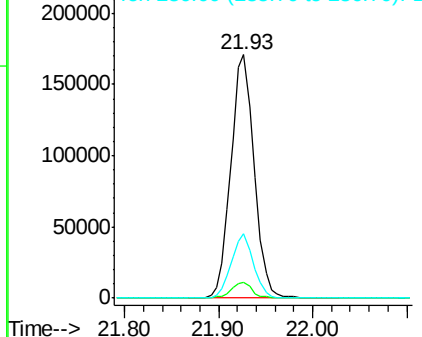


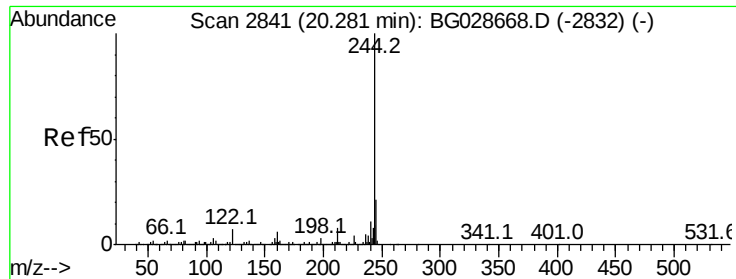
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.93 min Scan# 3121
 Delta R.T. -0.10 min
 Lab File: BG029011.D
 Acq: 3 Oct 2017 18:42

Tgt Ion:240 Resp: 293538
 Ion Ratio Lower Upper
 240 100
 120 6.5 5.7 8.5
 236 26.3 22.2 33.4



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: 80.510 ng

RT: 20.21 min Scan# 2828

Delta R.T. -0.08 min

Lab File: BG029011.D

Acq: 3 Oct 2017 18:42

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT4-2017

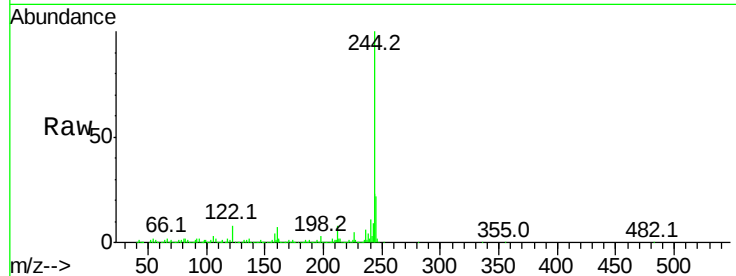
Tot Ion:244 Resp: 1108185

Ion Ratio Lower Upper

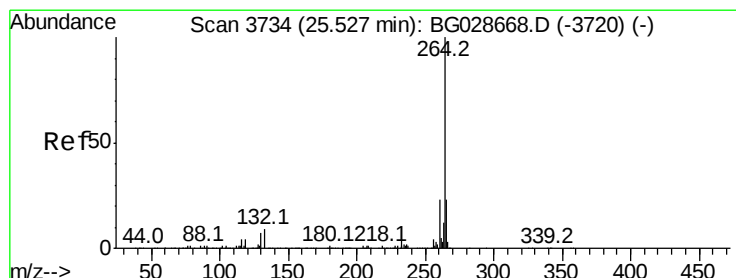
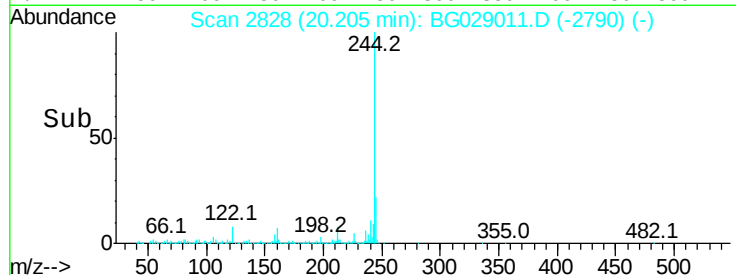
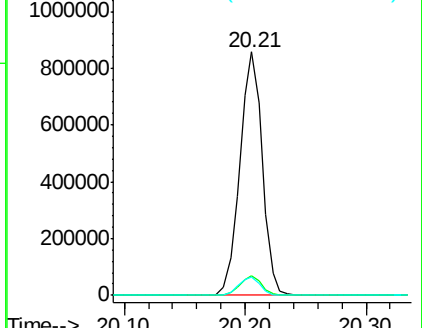
244 100

212 8.0 10.0 15.0#

122 7.5 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



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.35 min Scan# 3703

Delta R.T. -0.18 min

Lab File: BG029011.D

Acq: 3 Oct 2017 18:42

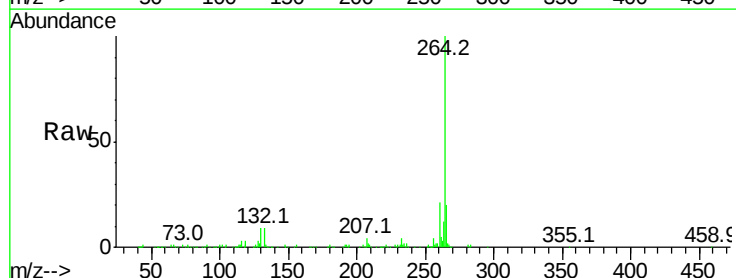
Tgt Ion:264 Resp: 281757

Ion Ratio Lower Upper

264 100

260 21.3 21.8 32.8#

265 19.8 18.2 27.4



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

