

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071417\
 Data File : BG027933.D
 Acq On : 14 Jul 2017 20:20
 Operator : SJ/JU
 Sample : I3757-02
 Misc : 20PPM LOQ
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Quant Time: Jul 14 22:45:50 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 16:10:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	50748	20.00	ng	0.00
21) Naphthalene-d8	11.20	136	221037	20.00	ng	0.00
38) Acenaphthene-d10	14.98	164	153443	20.00	ng	0.00
63) Phenanthrene-d10	17.73	188	403789	20.00	ng	0.00
75) Chrysene-d12	22.07	240	499248	20.00	ng	0.00
86) Perylene-d12	25.59	264	458020	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.94	112	353966	124.76	ng	0.00
7) Phenol-d6	7.52	99	506609	123.94	ng	0.00
23) Nitrobenzene-d5	9.54	82	351614	88.88	ng	0.00
41) 2,4,6-Tribromophenol	16.47	330	332594	146.26	ng	0.00
44) 2-Fluorobiphenyl	13.61	172	1064656	91.50	ng	0.00
78) Terphenyl-d14	20.31	244	1894234	85.79	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.90	88	20750	19.643	ng	97
3) Pyridine	4.29	79	61100	20.165	ng	90
4) n-Nitrosodimethylamine	4.20	42	34940	20.526	ng	# 94
6) Aniline	7.70	93	95437	20.055	ng	94
8) 2-Chlorophenol	7.94	128	63933	19.700	ng	89
9) Benzaldehyde	7.51	77	39943	17.849	ng	86
10) Phenol	7.55	94	84451	19.706	ng	85
11) bis(2-Chloroethyl)ether	7.78	93	60587	19.283	ng	86
12) 1,3-Dichlorobenzene	8.26	146	77008	20.263	ng	# 90
13) 1,4-Dichlorobenzene	8.41	146	78230	19.897	ng	91
14) 1,2-Dichlorobenzene	8.73	146	76151	19.950	ng	# 86
15) Benzyl Alcohol	8.61	79	52138	20.874	ng	90
16) 2,2'-oxybis(1-Chloropropan	8.89	45	119967	18.930	ng	97
17) 2-Methylphenol	8.80	107	55435	19.664	ng	# 89
18) Hexachloroethane	9.46	117	25728	20.114	ng	96
19) n-Nitroso-di-n-propylamine	9.16	70	55230	19.353	ng	99
20) 3+4-Methylphenols	9.12	107	78432	19.808	ng	88
22) Acetophenone	9.19	105	105689	19.830	ng	# 94
24) Nitrobenzene	9.58	77	83496	20.068	ng	# 88
25) Isophorone	10.10	82	147207	19.481	ng	# 92
26) 2-Nitrophenol	10.30	139	40252	20.171	ng	# 77
27) 2,4-Dimethylphenol	10.34	122	67447	19.255	ng	96
28) bis(2-Chloroethoxy)methane	10.57	93	87487	19.813	ng	98
29) 2,4-Dichlorophenol	10.83	162	74454	19.632	ng	93
30) 1,2,4-Trichlorobenzene	11.05	180	83782	19.705	ng	98
31) Naphthalene	11.24	128	215166	19.524	ng	98
32) Benzoic acid	10.44	122	26485	21.192	ng	# 83
33) 4-Chloroaniline	11.35	127	89952	19.972	ng	91
34) Hexachlorobutadiene	11.52	225	59895	20.181	ng	91
35) Caprolactam	12.11	113	24618	21.218	ng	90
36) 4-Chloro-3-methylphenol	12.44	107	82720	20.218	ng	# 84
37) 2-Methylnaphthalene	12.82	142	166335	19.773	ng	92
39) 1,2,4,5-Tetrachlorobenzene	13.19	216	119723	19.734	ng	# 94
40) Hexachlorocyclopentadiene	13.16	237	51875	18.321	ng	91

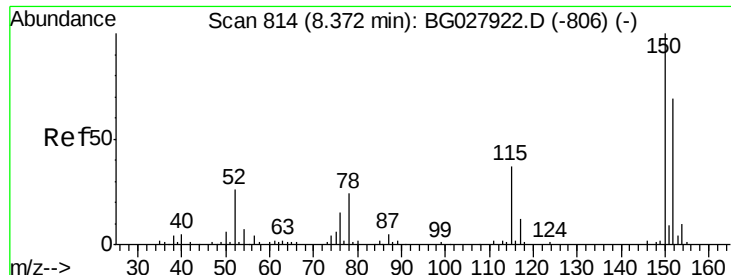
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071417\
 Data File : BG027933.D
 Acq On : 14 Jul 2017 20:20
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.42	196	73248	19.912	ng	98
43) 2,4,5-Trichlorophenol	13.50	196	78225	20.195	ng	# 88
45) 1,1'-Biphenyl	13.82	154	265691	20.151	ng	96
46) 2-Chloronaphthalene	13.86	162	188679	19.652	ng	94
47) 2-Nitroaniline	14.06	65	58427	20.368	ng	# 82
48) Acenaphthylene	14.70	152	305805	20.016	ng	95
49) Dimethylphthalate	14.42	163	263146	20.538	ng	# 95
50) 2,6-Dinitrotoluene	14.55	165	56912	20.792	ng	# 71
51) Acenaphthene	15.04	154	189370	19.756	ng	98
52) 3-Nitroaniline	14.89	138	52037	20.059	ng	# 77
53) 2,4-Dinitrophenol	15.09	184	27526	20.698	ng	94
54) Dibenzofuran	15.37	168	296956	20.271	ng	92
55) 4-Nitrophenol	15.18	139	36389	20.506	ng	# 70
56) 2,4-Dinitrotoluene	15.33	165	79634	21.043	ng	# 79
57) Fluorene	16.03	166	269316	20.576	ng	97
58) 2,3,4,6-Tetrachlorophenol	15.60	232	72470	21.063	ng	# 89
59) Diethylphthalate	15.77	149	265492	21.374	ng	99
60) 4-Chlorophenyl-phenylether	16.01	204	146017	20.232	ng	91
61) 4-Nitroaniline	16.04	138	55687	20.079	ng	# 72
62) Azobenzene	16.30	77	198169	20.351	ng	92
64) 4,6-Dinitro-2-methylphenol	16.10	198	48978	18.197	ng	96
65) n-Nitrosodiphenylamine	16.23	169	228525	19.387	ng	98
66) 4-Bromophenyl-phenylether	16.91	248	98141	19.484	ng	92
67) Hexachlorobenzene	17.03	284	107293	19.547	ng	# 90
68) Atrazine	17.16	200	90378	19.990	ng	99
69) Pentachlorophenol	17.38	266	56516	20.824	ng	96
70) Phenanthrene	17.77	178	417532	19.768	ng	96
71) Anthracene	17.86	178	419211	19.930	ng	98
72) Carbazole	18.13	167	382765	20.216	ng	# 92
73) Di-n-butylphthalate	18.66	149	415629	19.979	ng	# 93
74) Fluoranthene	19.77	202	519127	20.468	ng	91
76) Benzidine	19.94	184	152601	13.095	ng	98
77) Pyrene	20.13	202	541736	20.302	ng	95
79) Butylbenzylphthalate	21.00	149	185142	19.315	ng	90
80) Benzo(a)anthracene	22.04	228	553535	20.170	ng	94
81) 3,3'-Dichlorobenzidine	21.94	252	204499	18.950	ng	99
82) Chrysene	22.11	228	518411	19.744	ng	96
83) Bis(2-ethylhexyl)phthalate	21.90	149	269288	19.297	ng	100
84) Di-n-octyl phthalate	23.21	149	460160	19.425	ng	# 91
85) Indeno(1,2,3-cd)pyrene	29.62	276	601397	19.809	ng	# 97
87) Benzo(b)fluoranthene	24.46	252	529848	19.797	ng	99
88) Benzo(k)fluoranthene	24.53	252	535220	20.005	ng	94
89) Benzo(a)pyrene	25.41	252	498970	19.766	ng	98
90) Dibenzo(a,h)anthracene	29.69	278	497809	19.531	ng	99
91) Benzo(g,h,i)perylene	30.88	276	485000	19.744	ng	# 95

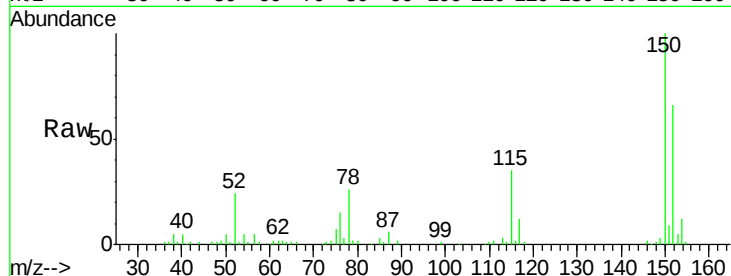
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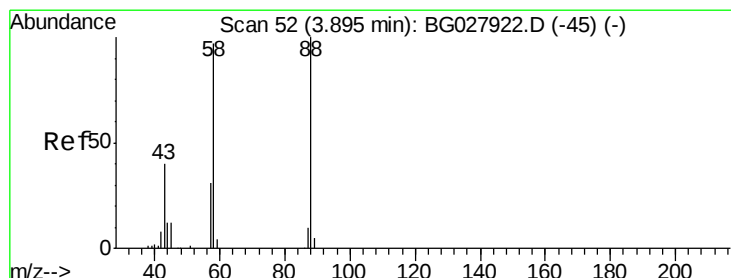
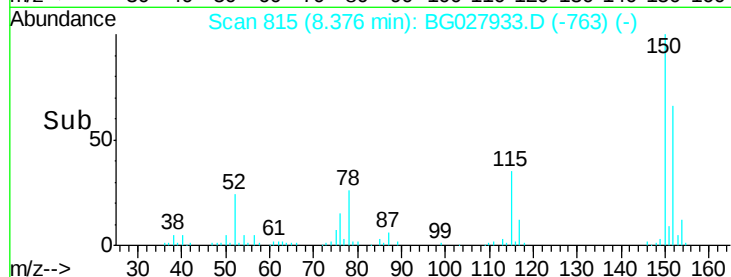
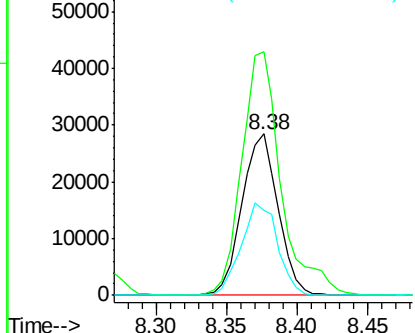
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.38 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Tgt Ion:152 Resp: 50748
 Ion Ratio Lower Upper
 152 100
 150 150.9 114.0 171.0
 115 53.0 48.1 72.1

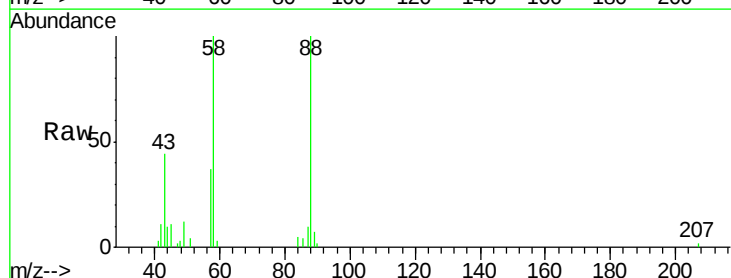


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

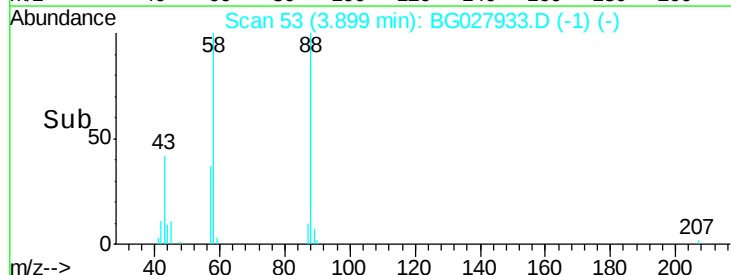
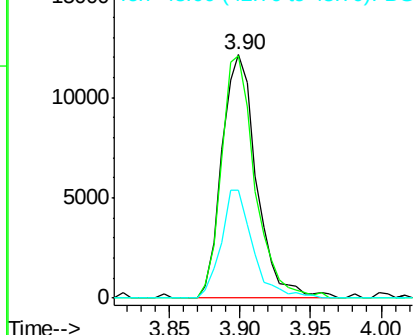


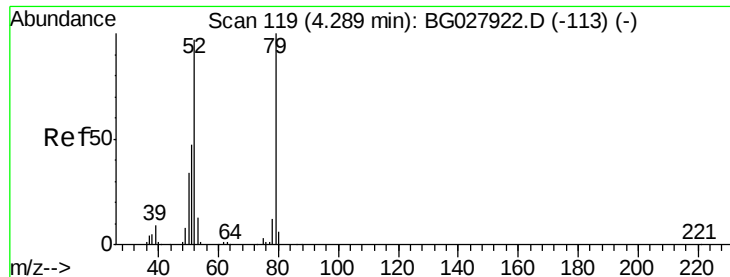
#2
 1,4-Dioxane
 Concen: 19.643 ng
 RT: 3.90 min Scan# 53
 Delta R.T. 0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Tgt Ion: 88 Resp: 20750
 Ion Ratio Lower Upper
 88 100
 58 96.2 79.4 119.2
 43 40.8 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

Pyridine

Concen: 20.165 ng

RT: 4.29 min Scan# 120

Delta R.T. 0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

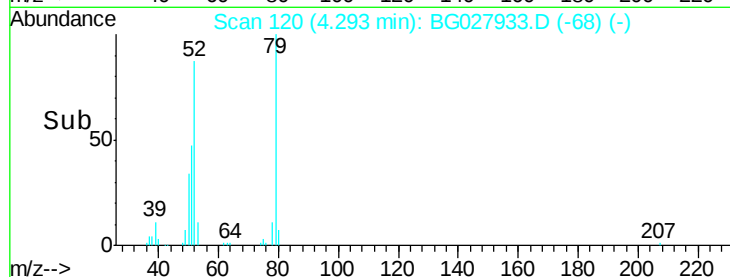
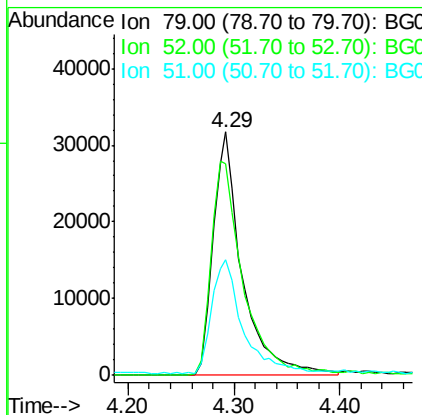
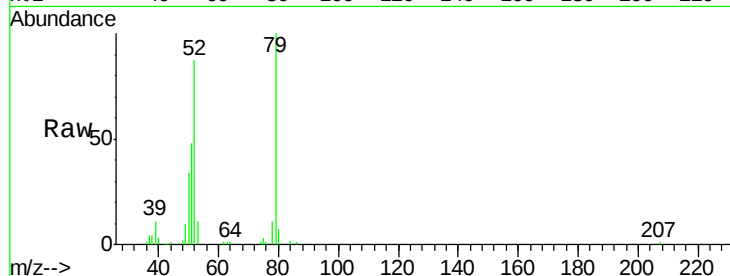
Tgt Ion: 79 Resp: 61100

Ion Ratio Lower Upper

79 100

52 86.9 77.8 116.6

51 47.5 43.2 64.8



#4

n-Nitrosodimethylamine

Concen: 20.526 ng

RT: 4.20 min Scan# 104

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

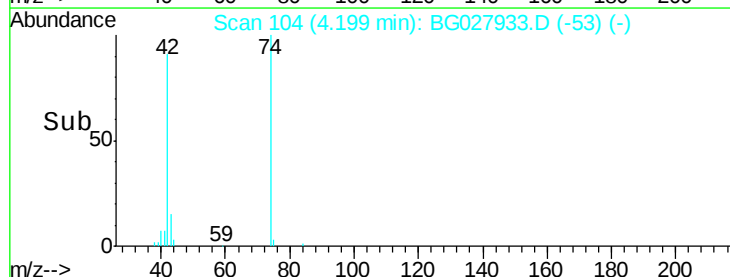
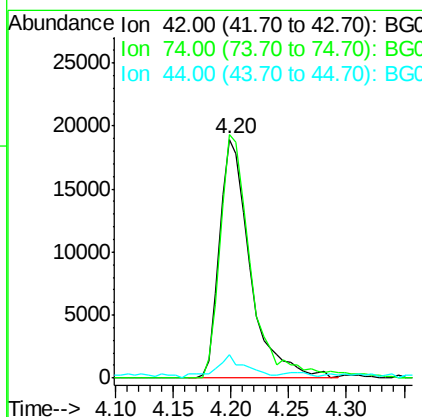
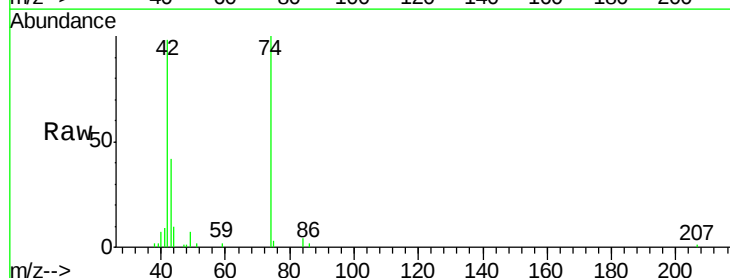
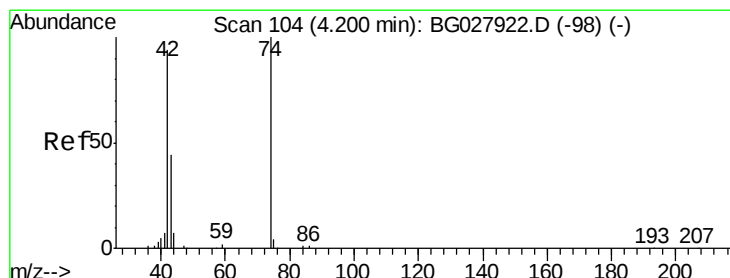
Tgt Ion: 42 Resp: 34940

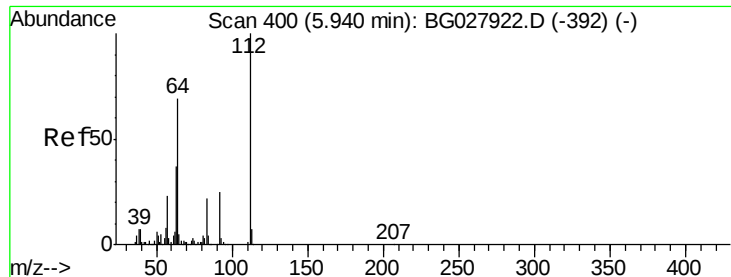
Ion Ratio Lower Upper

42 100

74 102.0 76.7 115.1

44 9.9 6.1 9.1#





#5

2-Fluorophenol

Concen: 124.761 ng

RT: 5.94 min Scan# 401

Delta R.T. 0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

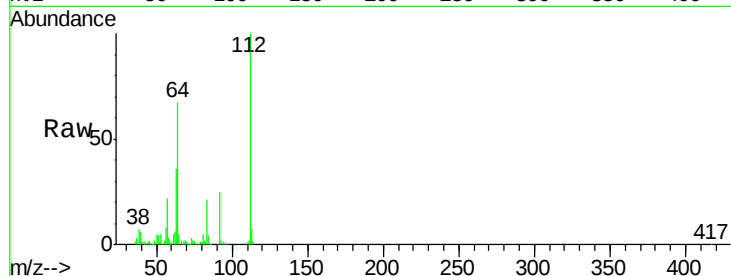
Tgt Ion: 112 Resp: 353966

Ion Ratio Lower Upper

112 100

64 66.9 61.8 92.6

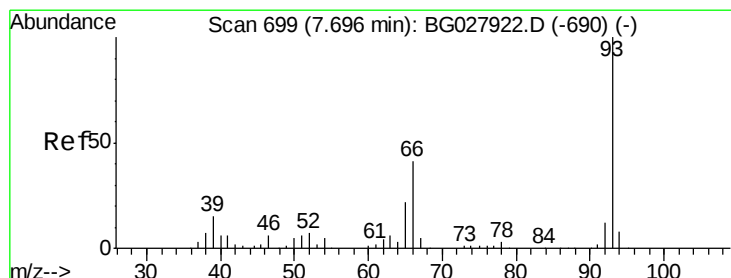
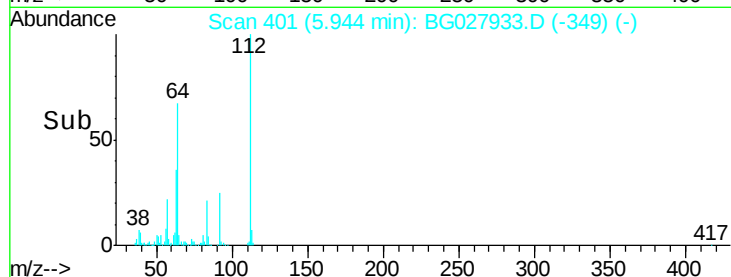
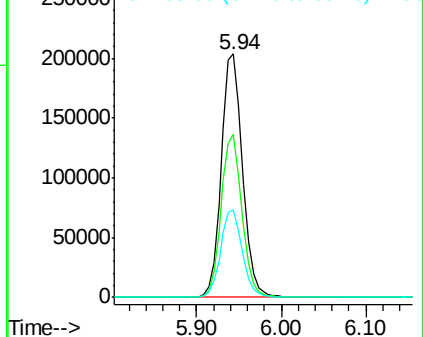
63 35.9 37.2 55.8#



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



#6

Aniline

Concen: 20.055 ng

RT: 7.70 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

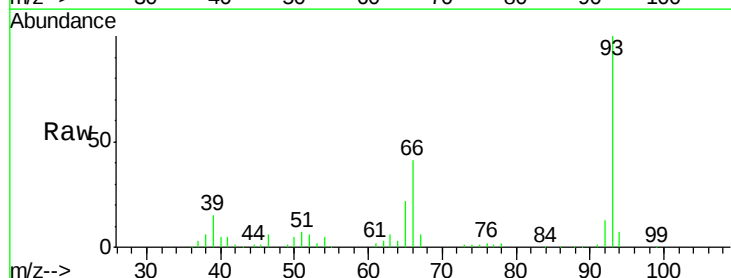
Tgt Ion: 93 Resp: 95437

Ion Ratio Lower Upper

93 100

66 41.3 35.4 53.2

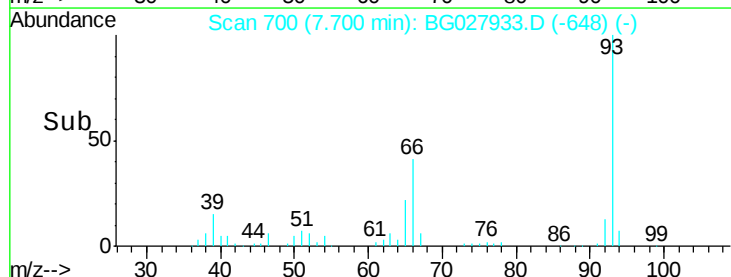
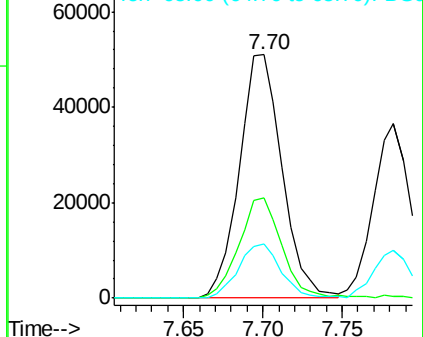
65 22.0 21.2 31.8

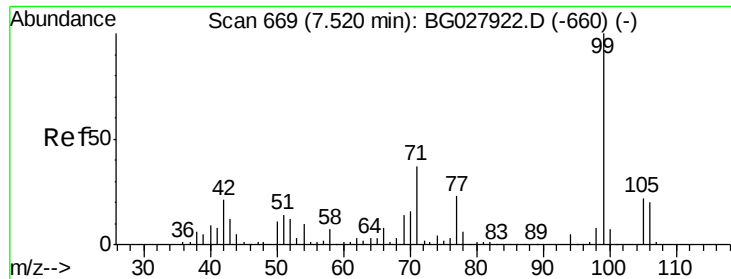


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 123.938 ng

RT: 7.52 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

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LOQ-SOIL-02-QT3-2017

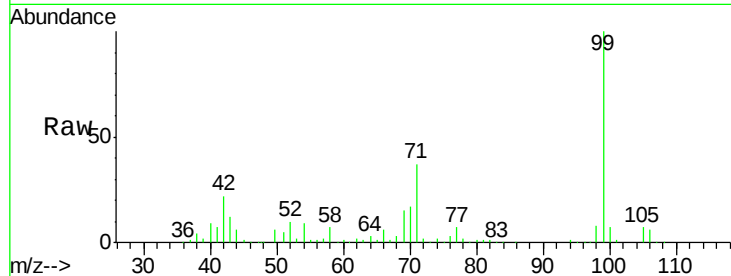
Tgt Ion: 99 Resp: 506609

Ion Ratio Lower Upper

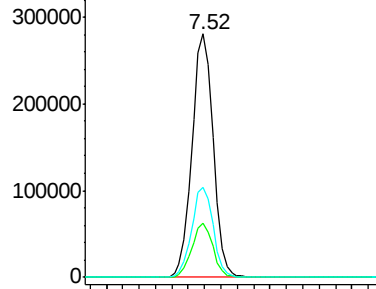
99 100

42 22.0 20.5 30.7

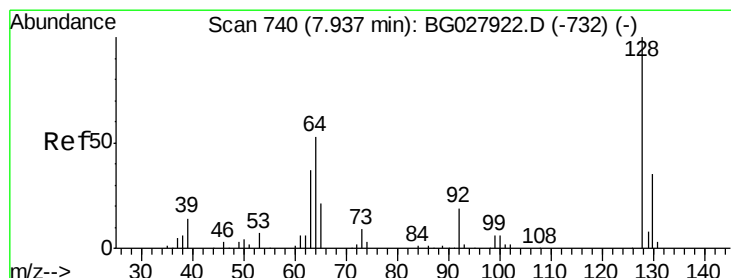
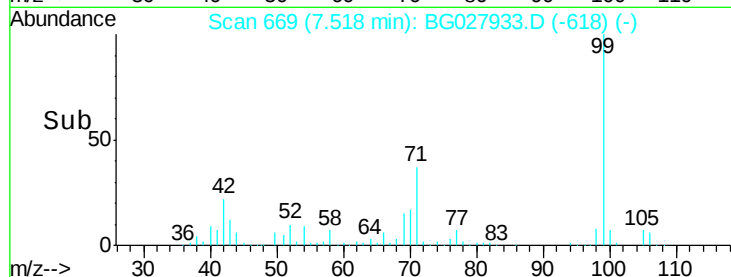
71 37.0 37.6 56.4#



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



Time-->



#8

2-Chlorophenol

Concen: 19.700 ng

RT: 7.94 min Scan# 740

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

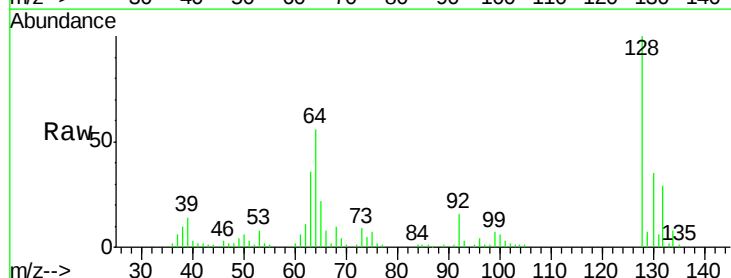
Tgt Ion: 128 Resp: 63933

Ion Ratio Lower Upper

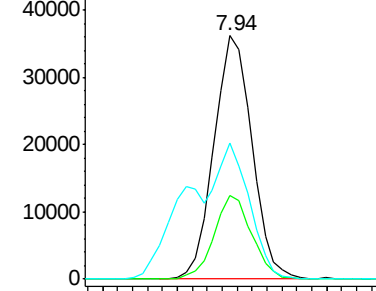
128 100

130 34.5 11.4 51.4

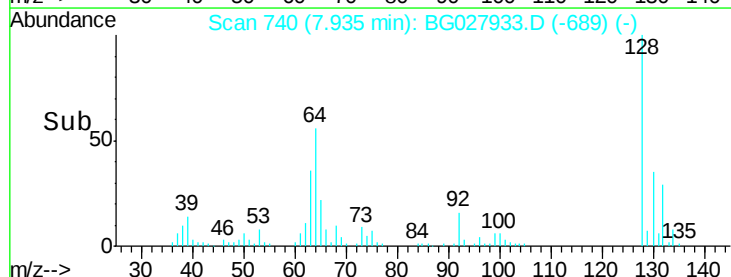
64 56.2 46.6 86.6

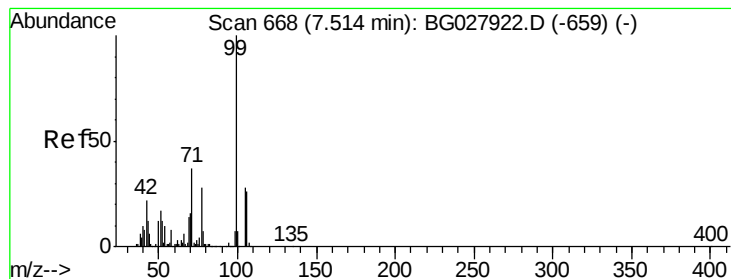


Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC



Time-->





#9

Benzaldehyde

Concen: 17.849 ng

RT: 7.51 min Scan# 668

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

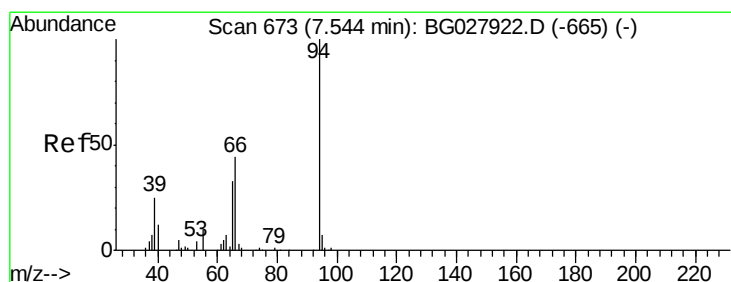
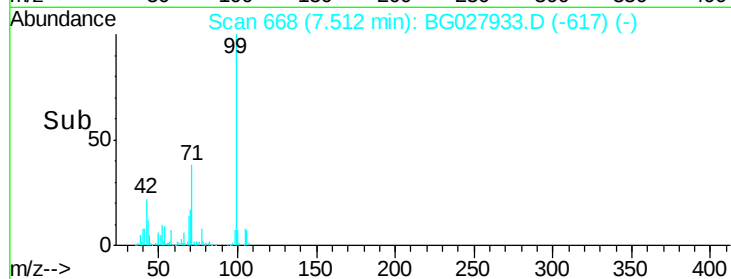
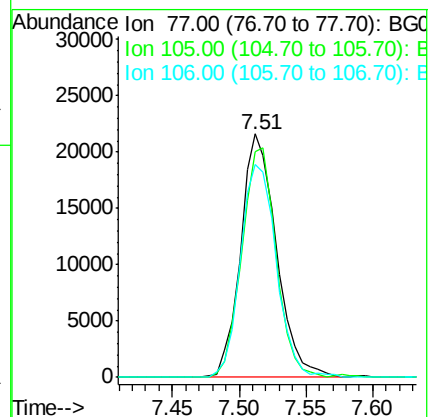
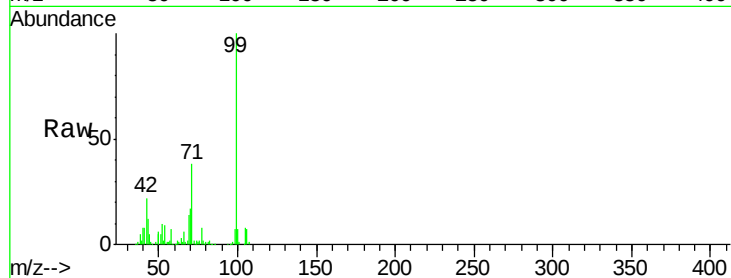
Tgt Ion: 77 Resp: 39943

Ion Ratio Lower Upper

77 100

105 92.7 60.9 100.9

106 87.3 55.1 95.1



#10

Phenol

Concen: 19.706 ng

RT: 7.55 min Scan# 674

Delta R.T. 0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

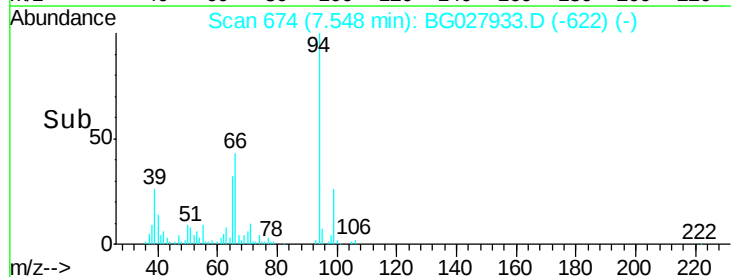
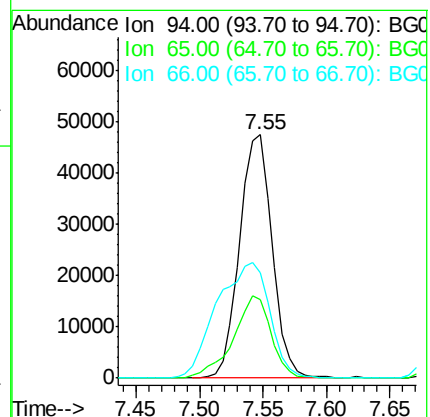
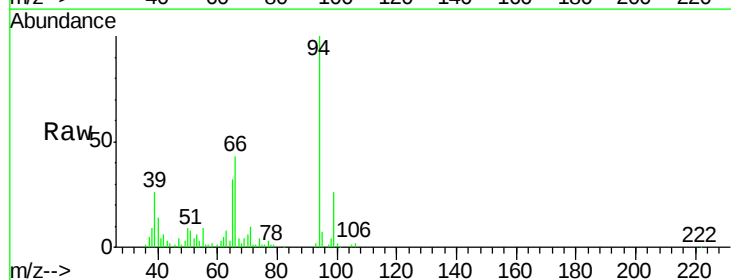
Tgt Ion: 94 Resp: 84451

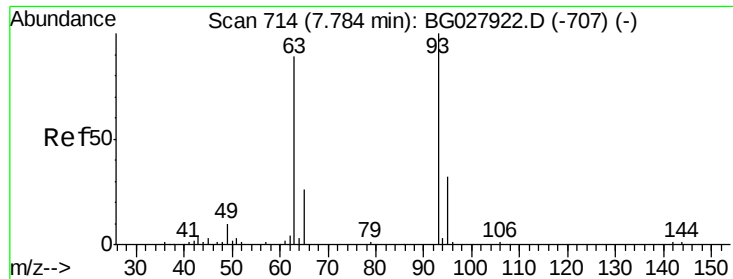
Ion Ratio Lower Upper

94 100

65 32.4 20.6 60.6

66 43.5 35.5 75.5





#11

bis(2-Chloroethyl)ether

Concen: 19.283 ng

RT: 7.78 min Scan# 714

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

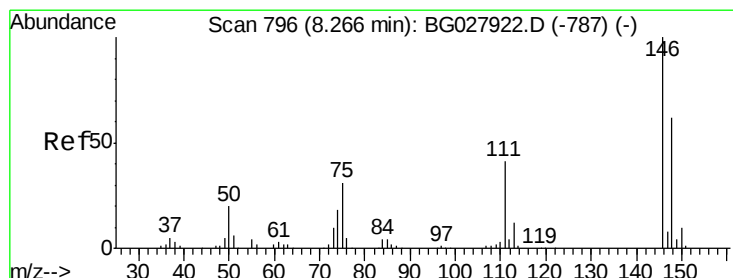
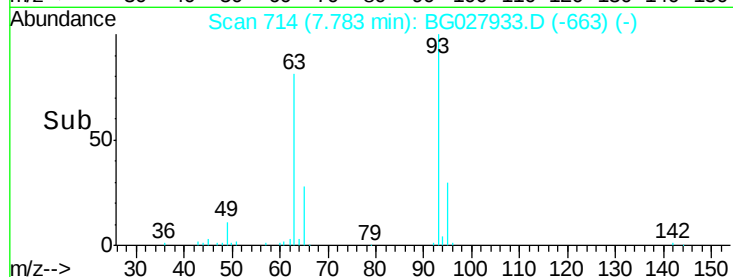
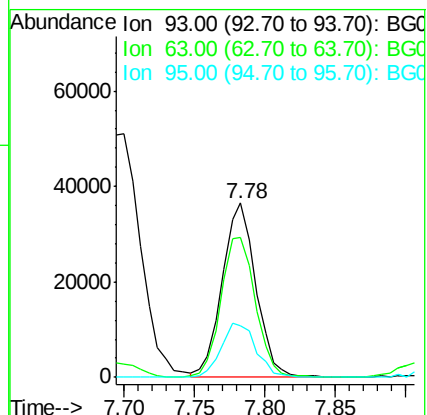
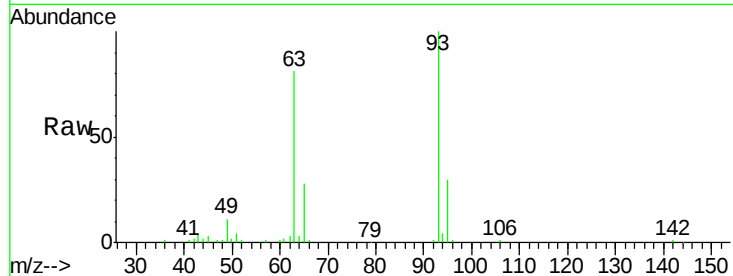
Tgt Ion: 93 Resp: 60587

Ion Ratio Lower Upper

93 100

63 80.5 78.5 118.5

95 29.9 9.8 49.8



#12

1,3-Dichlorobenzene

Concen: 20.263 ng

RT: 8.26 min Scan# 796

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

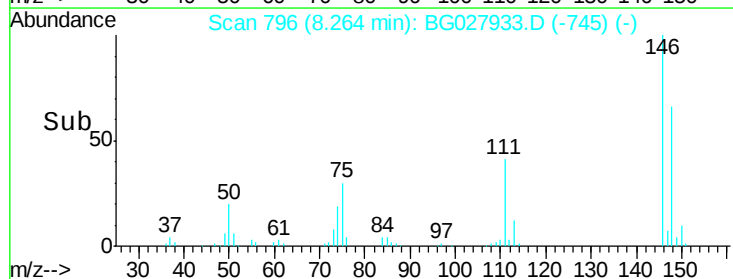
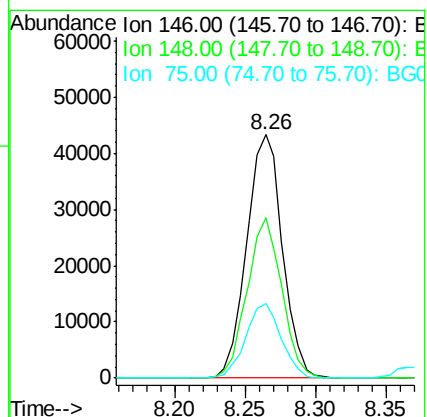
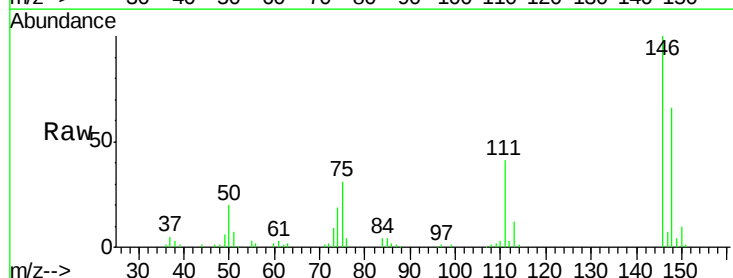
Tgt Ion: 146 Resp: 77008

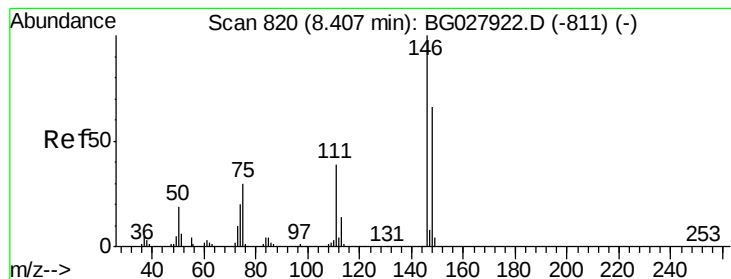
Ion Ratio Lower Upper

146 100

148 65.7 49.2 73.8

75 30.6 33.4 50.2#





#13

1,4-Dichlorobenzene

Concen: 19.897 ng

RT: 8.41 min Scan# 821

Delta R.T. 0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

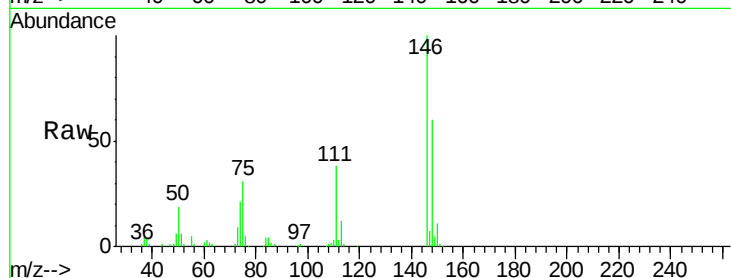
Tgt Ion:146 Resp: 78230

Ion Ratio Lower Upper

146 100

148 60.0 52.2 78.2

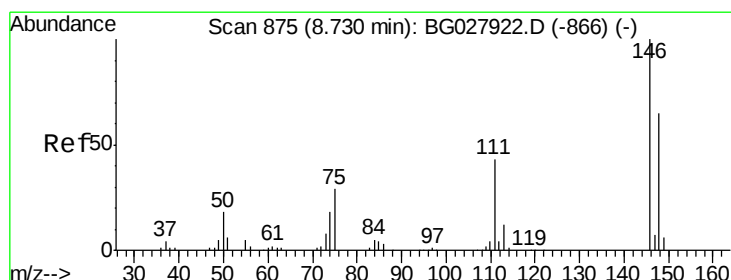
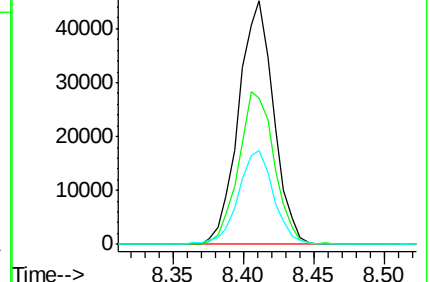
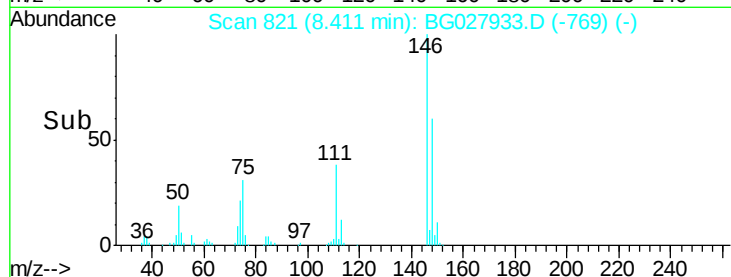
111 38.4 37.0 55.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 19.950 ng

RT: 8.73 min Scan# 875

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

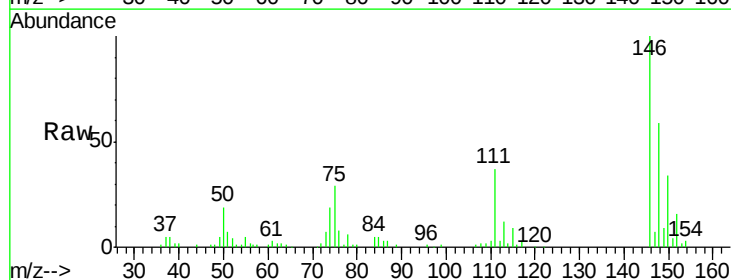
Tgt Ion:146 Resp: 76151

Ion Ratio Lower Upper

146 100

148 59.5 54.6 81.8

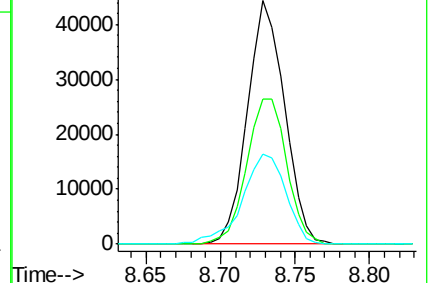
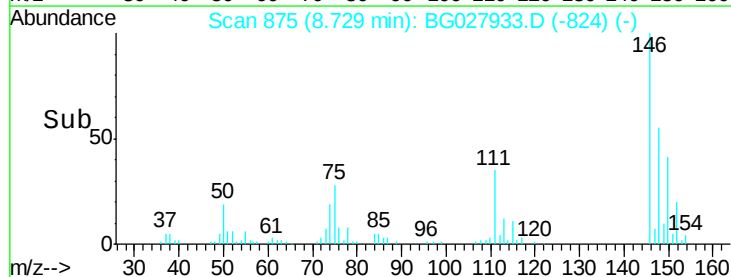
111 36.9 39.7 59.5#

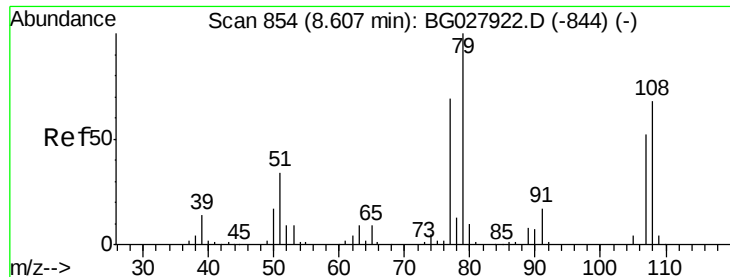


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 20.874 ng

RT: 8.61 min Scan# 854

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

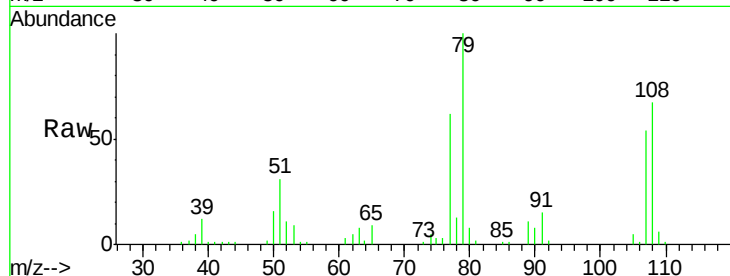
Tgt Ion: 79 Resp: 52138

Ion Ratio Lower Upper

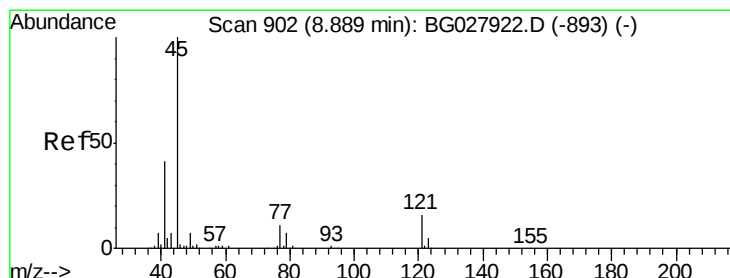
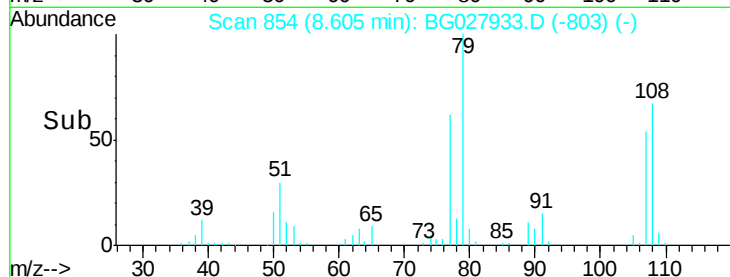
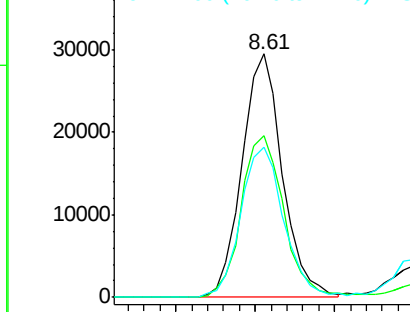
79 100

108 66.7 45.5 68.3

77 61.6 54.3 81.5



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 18.930 ng

RT: 8.89 min Scan# 902

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

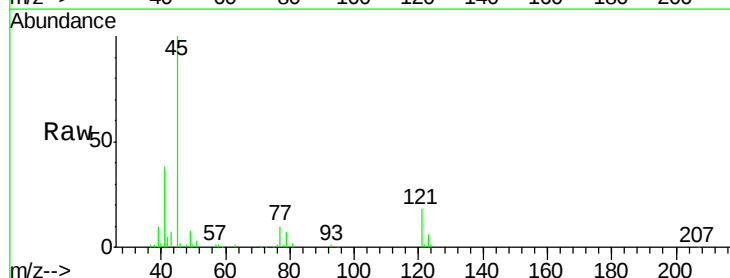
Tgt Ion: 45 Resp: 119967

Ion Ratio Lower Upper

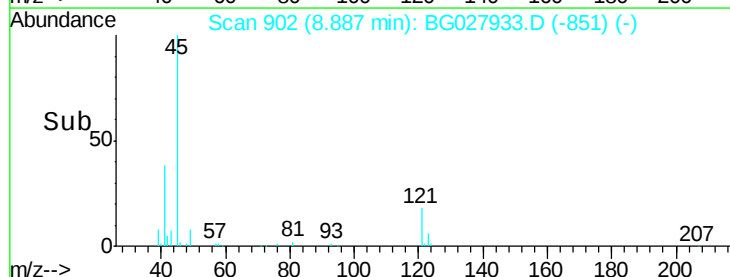
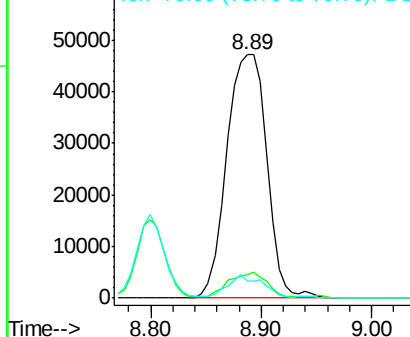
45 100

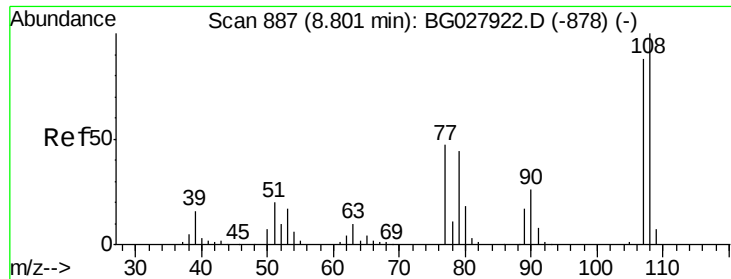
77 9.5 0.0 30.6

79 7.2 0.0 28.5



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

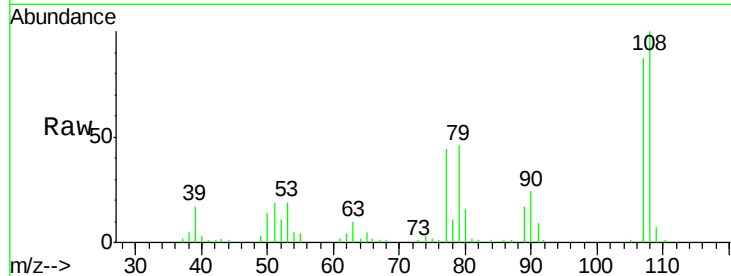




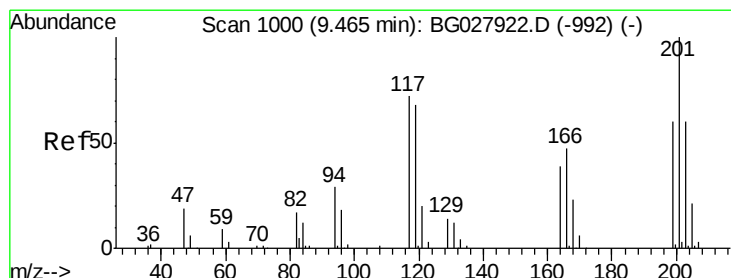
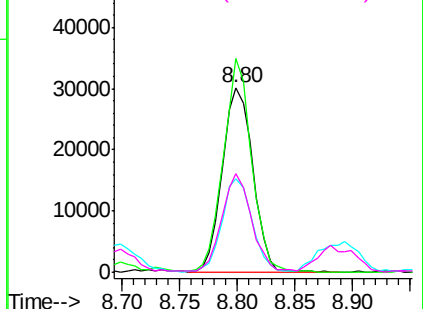
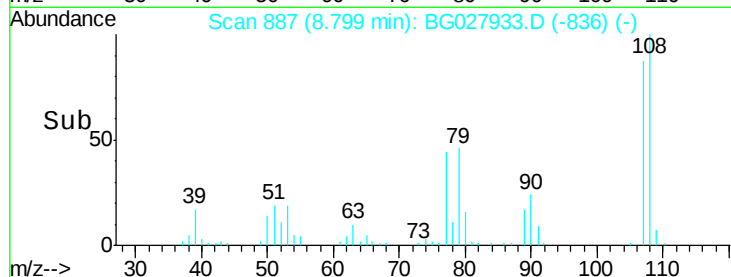
#17
2-Methylphenol
Concen: 19.664 ng
RT: 8.80 min Scan# 887
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2017

Tgt Ion:107 Resp: 55435
Ion Ratio Lower Upper
107 100
108 115.6 85.6 128.4
77 50.7 51.4 77.2#
79 53.4 49.2 73.8

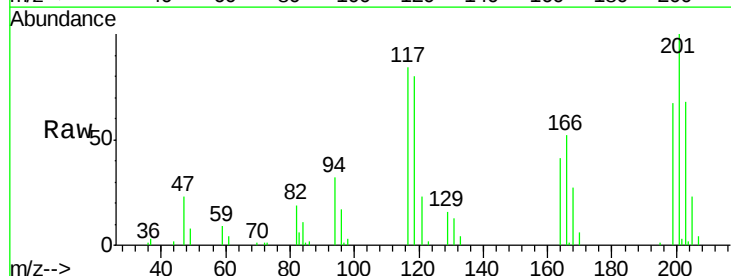


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

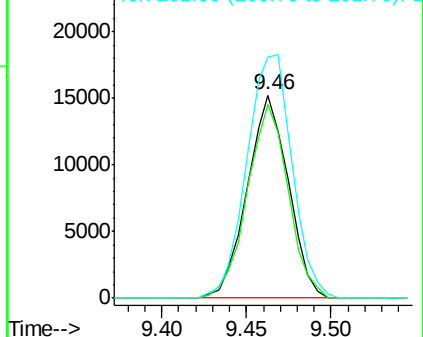
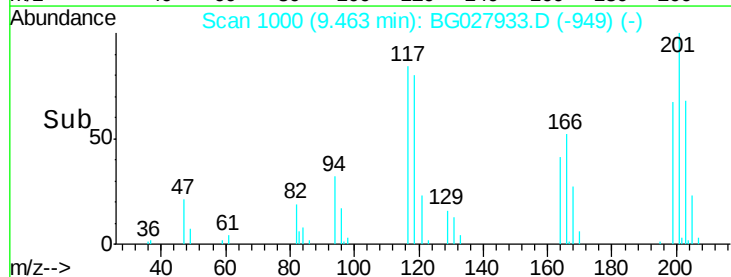


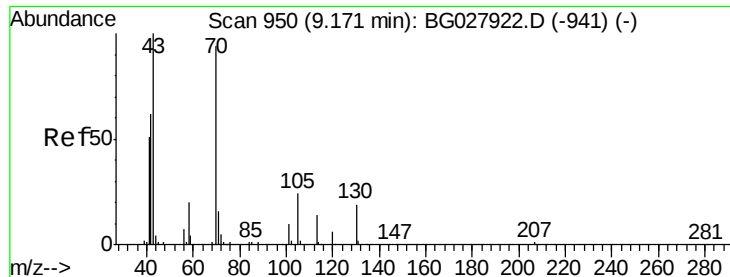
#18
Hexachloroethane
Concen: 20.114 ng
RT: 9.46 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Tgt Ion:117 Resp: 25728
Ion Ratio Lower Upper
117 100
119 95.6 69.8 104.6
201 118.9 95.4 143.0



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

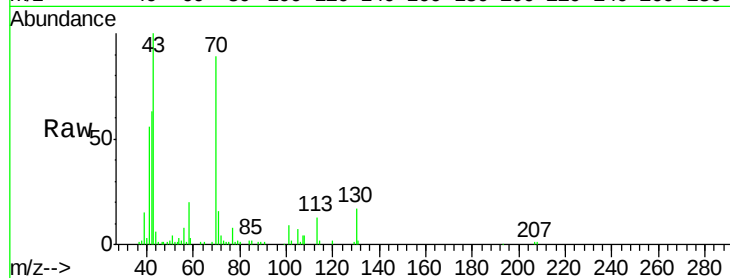




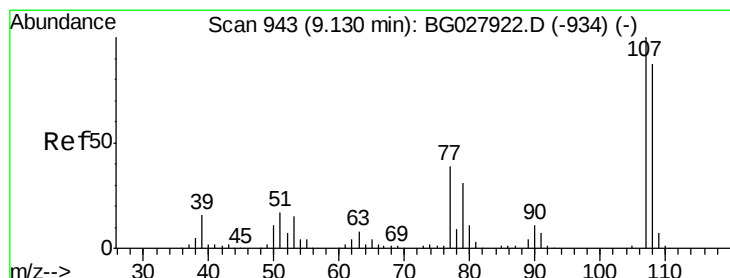
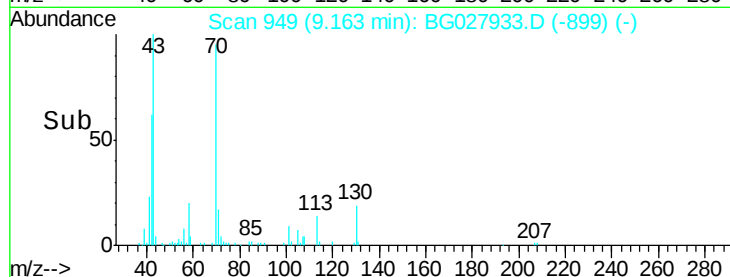
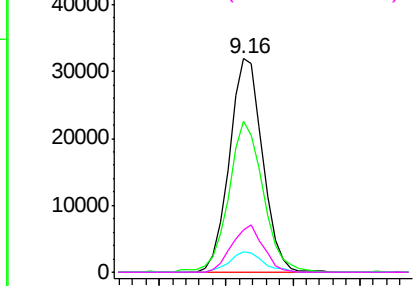
#19
n-Nitroso-di-n-propylamine
Concen: 19.353 ng
RT: 9.16 min Scan# 949
Delta R.T. -0.01 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2017

Tgt Ion:	70	Resp:	55230
Ion	Ratio	Lower	Upper
70	100		
42	70.6	56.1	84.1
101	9.7	7.5	11.3
130	19.6	14.6	21.8

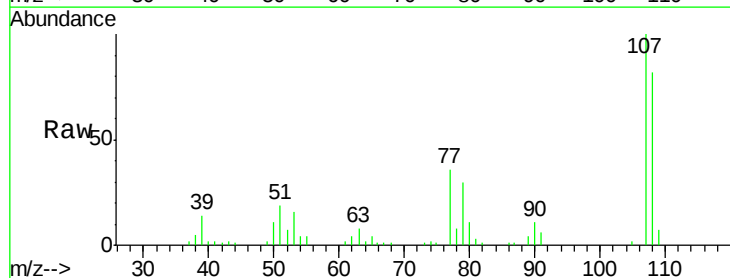


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

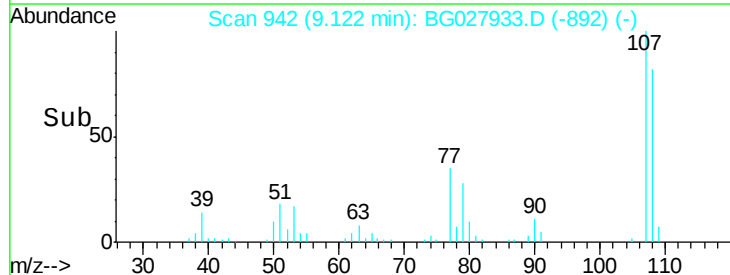
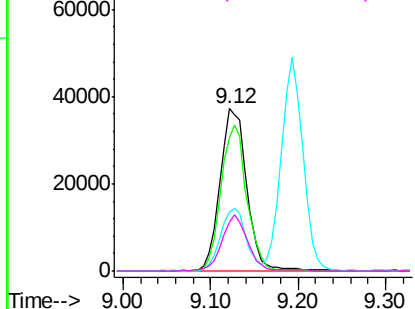


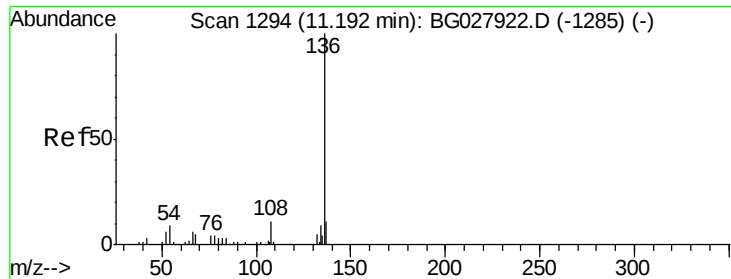
#20
3+4-Methylphenols
Concen: 19.808 ng
RT: 9.12 min Scan# 942
Delta R.T. -0.01 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Tgt Ion:	107	Resp:	78432
Ion	Ratio	Lower	Upper
107	100		
108	82.3	70.8	110.8
77	36.4	25.8	65.8
79	29.6	20.1	60.1



Abundance Ion 107.00 (106.70 to 107.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

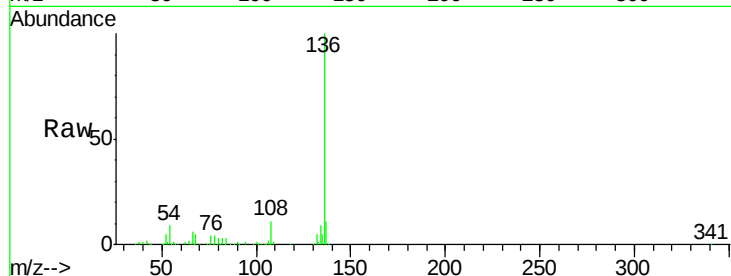




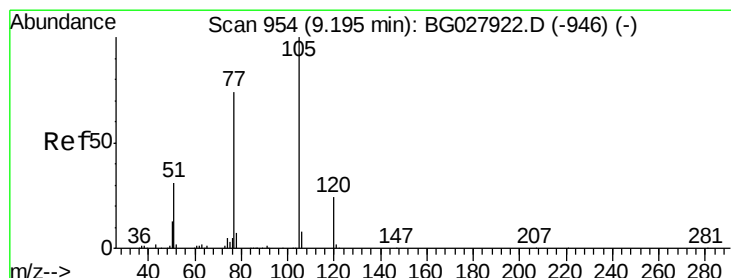
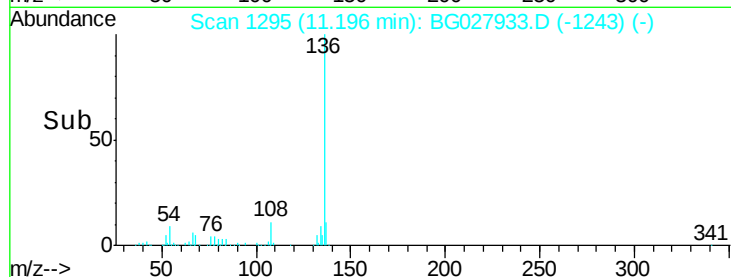
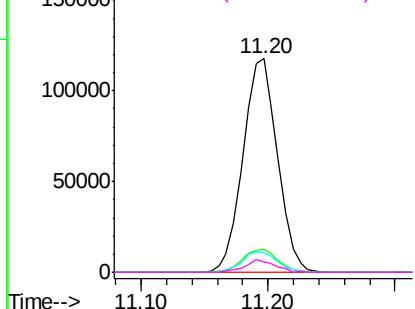
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.20 min Scan# 1295
Delta R.T. 0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2017

Tgt Ion:	136	Resp:	221037
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.2	9.3	13.9#
68	5.0	5.1	7.7#

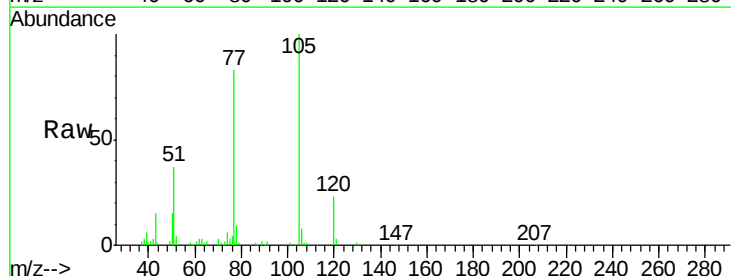


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

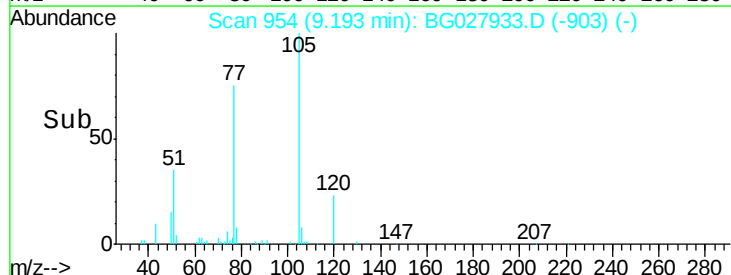
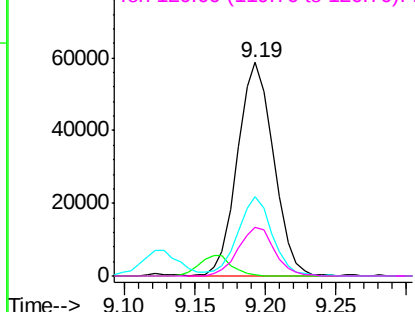


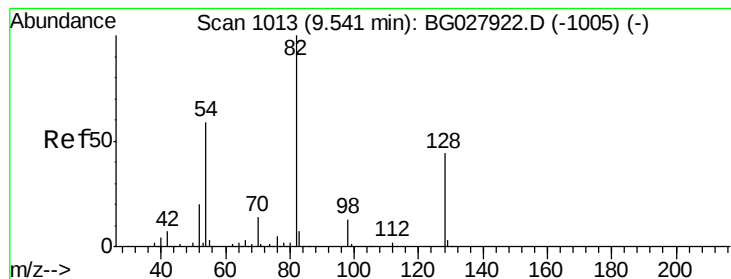
#22
Acetophenone
Concen: 19.830 ng
RT: 9.19 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Tgt Ion:	105	Resp:	105689
Ion	Ratio	Lower	Upper
105	100		
71	0.7	0.9	1.3#
51	37.2	34.0	51.0
120	23.0	17.3	25.9



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 88.883 ng

RT: 9.54 min Scan# 1013

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

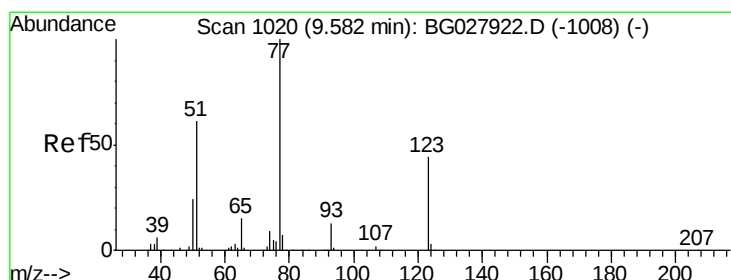
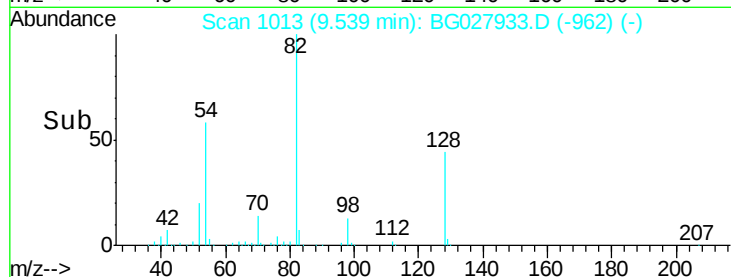
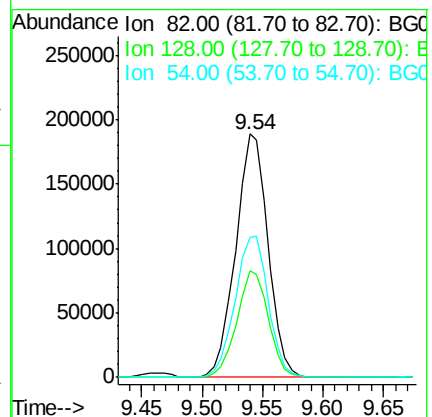
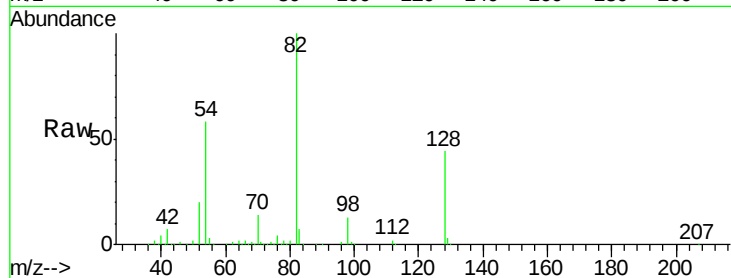
Tgt Ion: 82 Resp: 351614

Ion Ratio Lower Upper

82 100

128 44.0 26.4 39.6#

54 57.7 49.4 74.2



#24

Nitrobenzene

Concen: 20.068 ng

RT: 9.58 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

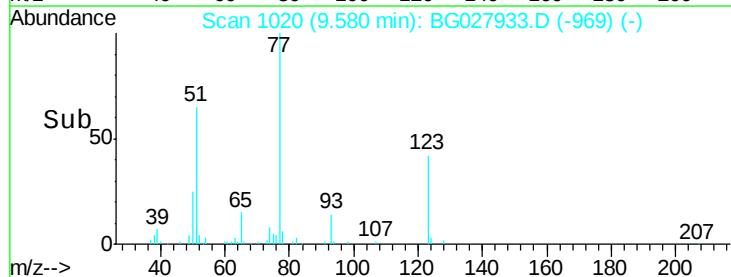
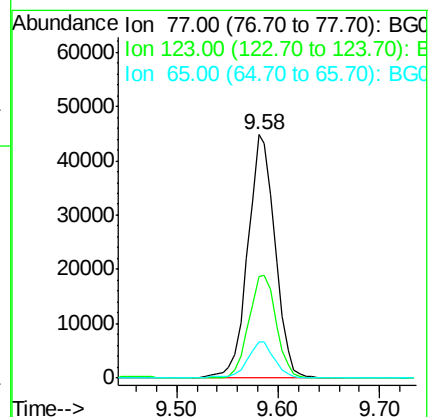
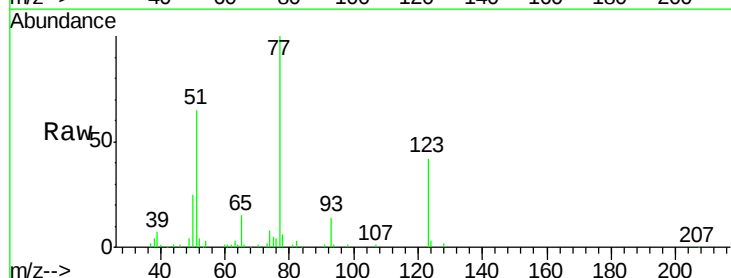
Tgt Ion: 77 Resp: 83496

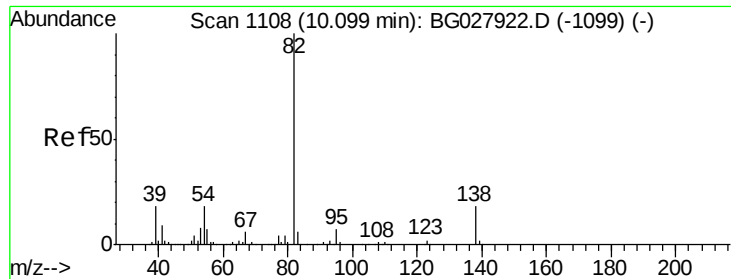
Ion Ratio Lower Upper

77 100

123 41.8 26.1 39.1#

65 14.7 12.4 18.6

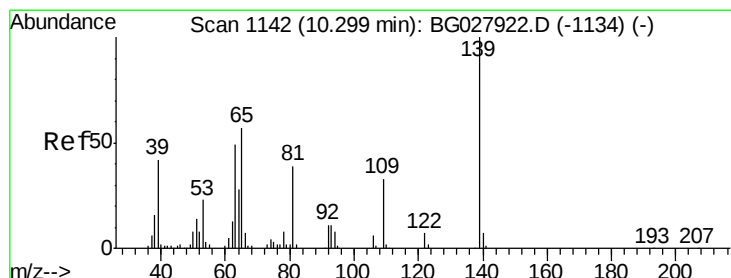
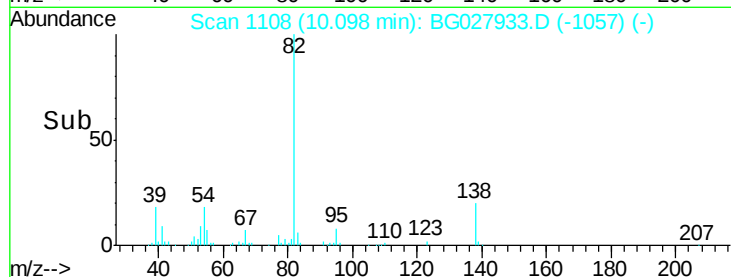
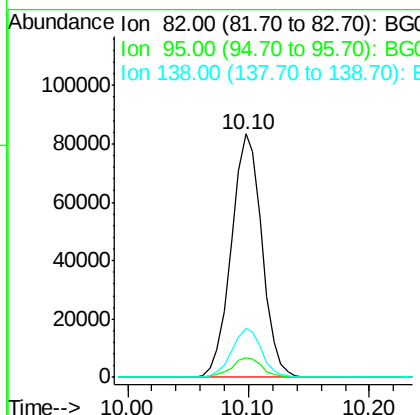
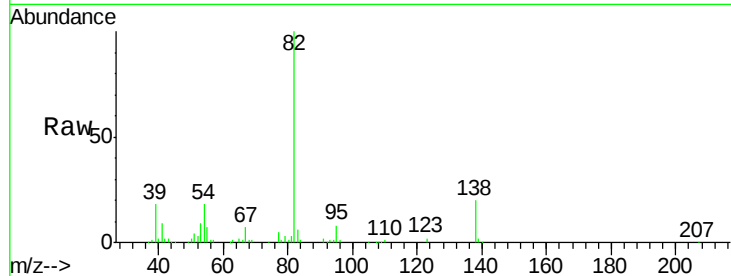




#25
Isophorone
Concen: 19.481 ng
RT: 10.10 min Scan# 1108
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

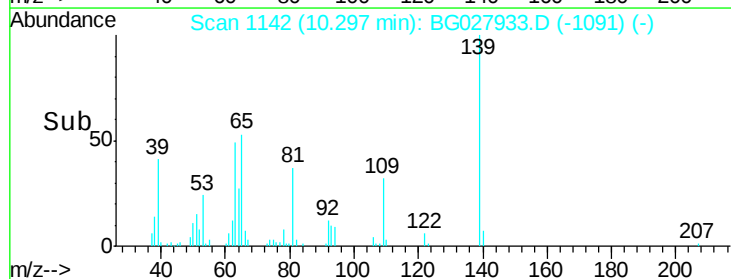
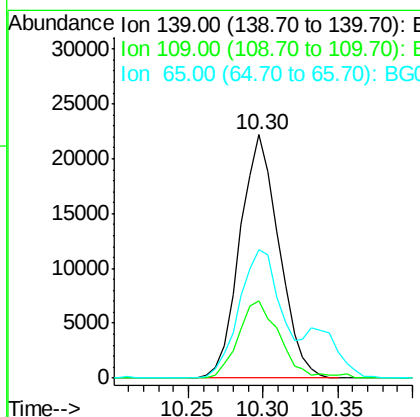
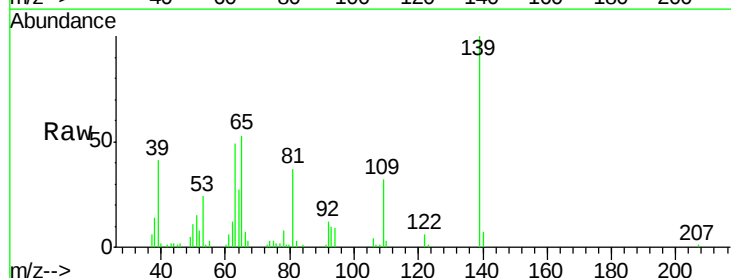
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2017

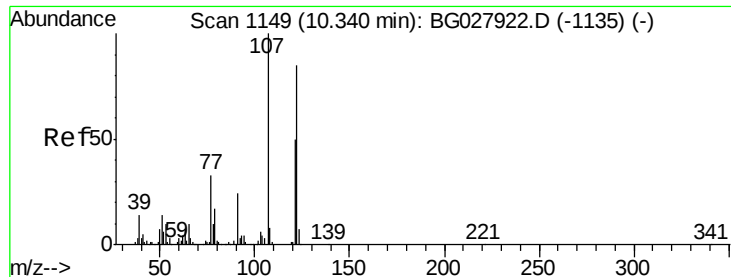
Tgt Ion: 82 Resp: 147207
Ion Ratio Lower Upper
82 100
95 8.1 7.5 11.3
138 19.9 12.3 18.5#



#26
2-Nitrophenol
Concen: 20.171 ng
RT: 10.30 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Tgt Ion: 139 Resp: 40252
Ion Ratio Lower Upper
139 100
109 31.9 38.6 58.0#
65 52.8 57.1 85.7#

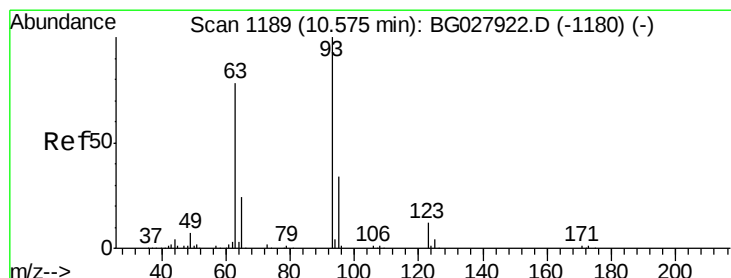
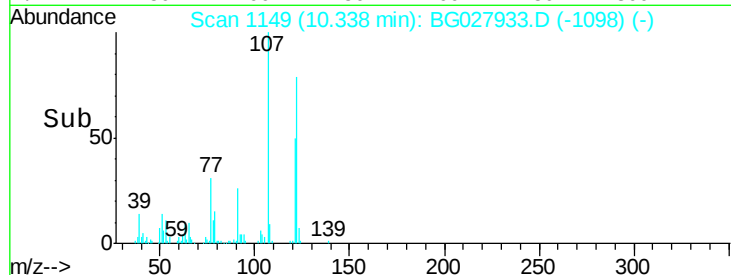
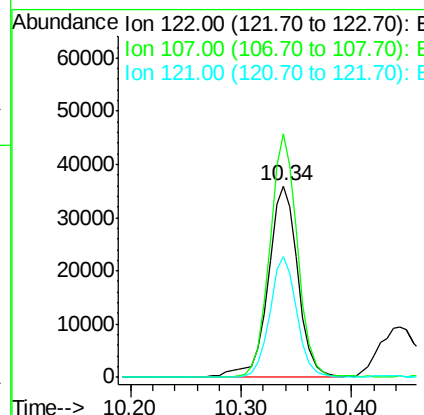
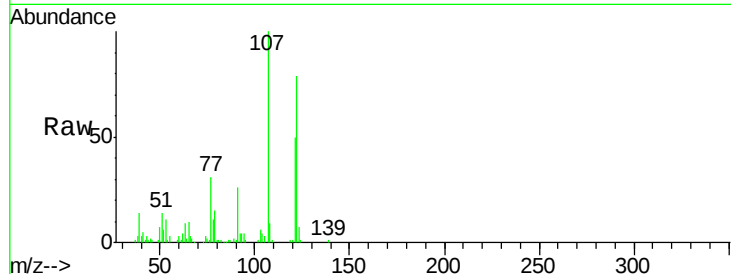




#27
 2,4-Dimethylphenol
 Concen: 19.255 ng
 RT: 10.34 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

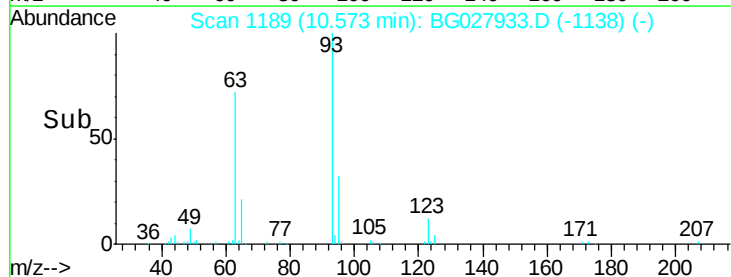
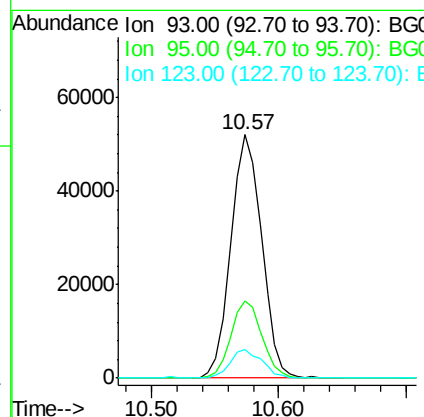
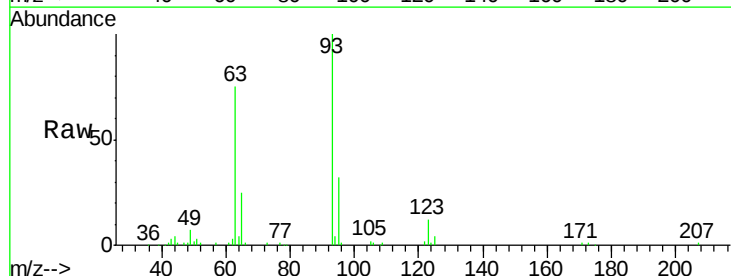
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

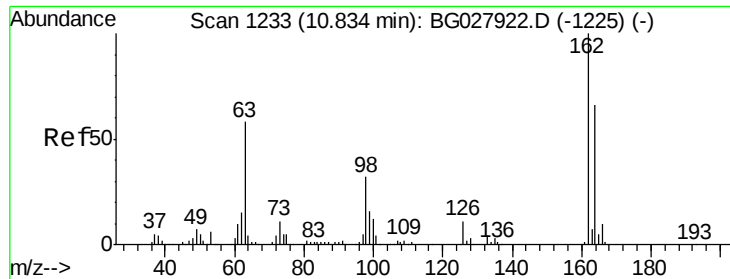
Tgt Ion	Ratio	Lower	Upper
122	100		
107	127.2	104.2	156.4
121	63.2	46.0	69.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 19.813 ng
 RT: 10.57 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.5	25.7	38.5
123	11.6	8.3	12.5

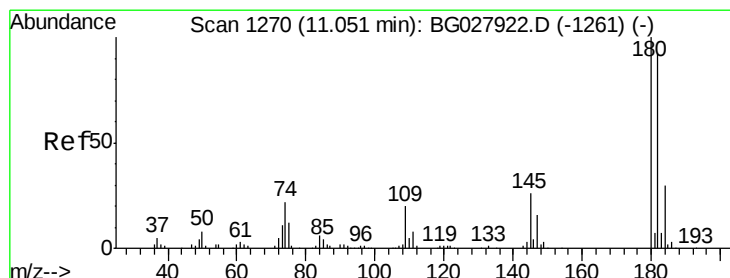
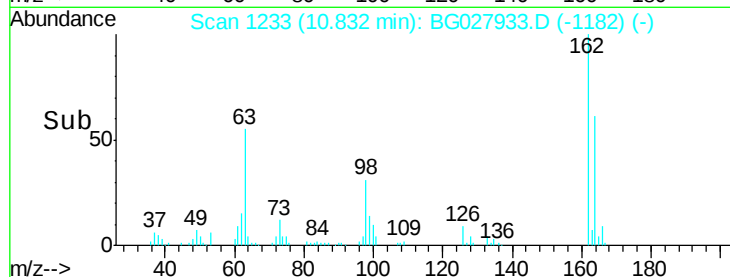
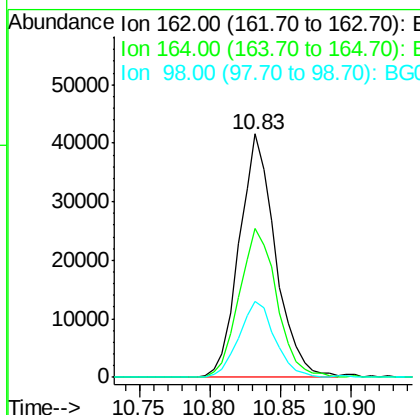
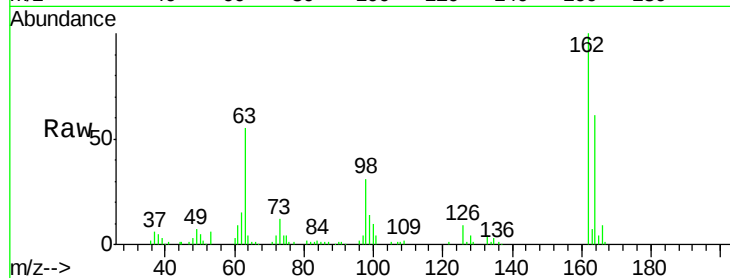




#29
 2,4-Dichlorophenol
 Concen: 19.632 ng
 RT: 10.83 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

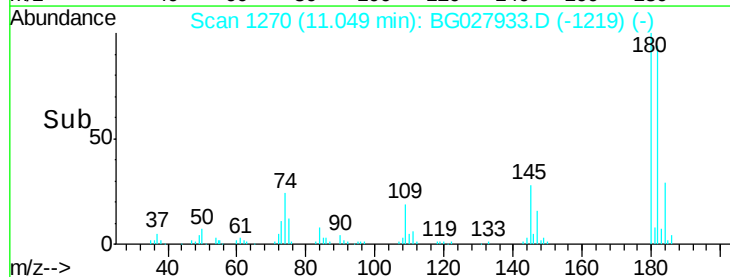
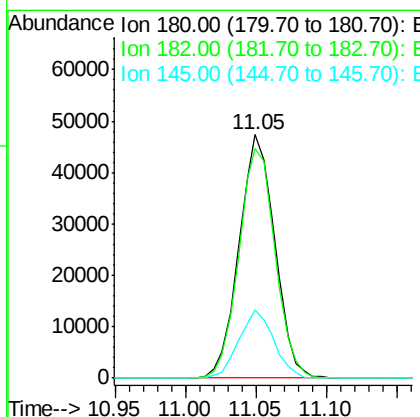
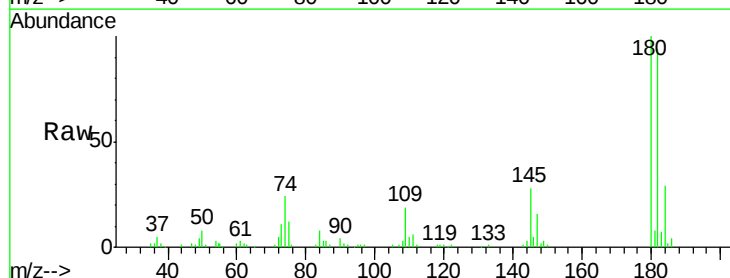
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

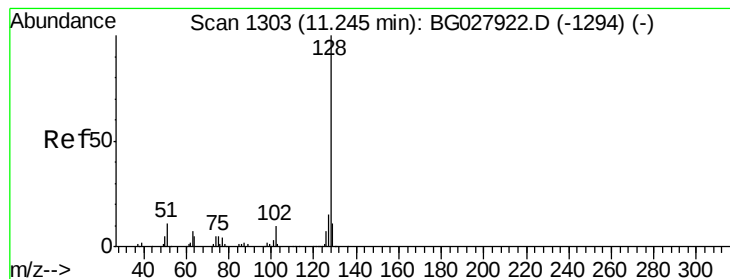
Tgt Ion	Ratio	Lower	Upper
162	100		
164	61.3	42.4	82.4
98	31.2	20.3	60.3



#30
 1,2,4-Trichlorobenzene
 Concen: 19.705 ng
 RT: 11.05 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.0	115.4
145	27.9	23.4	35.0

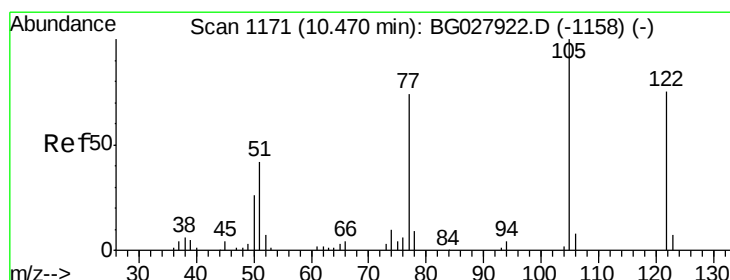
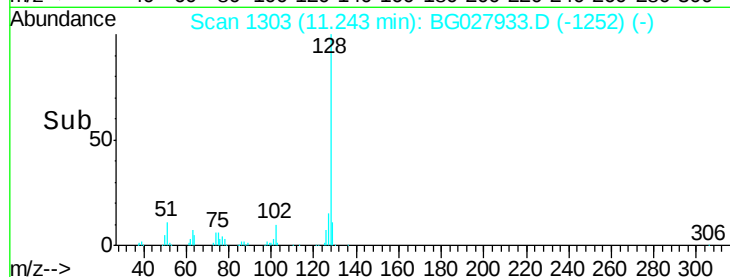
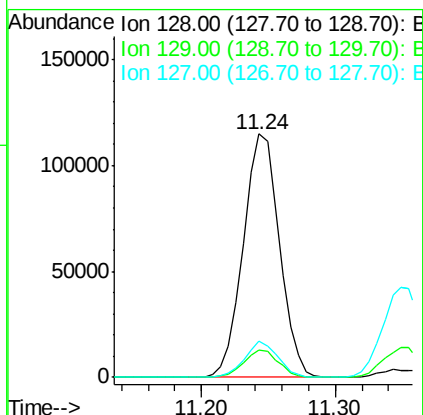
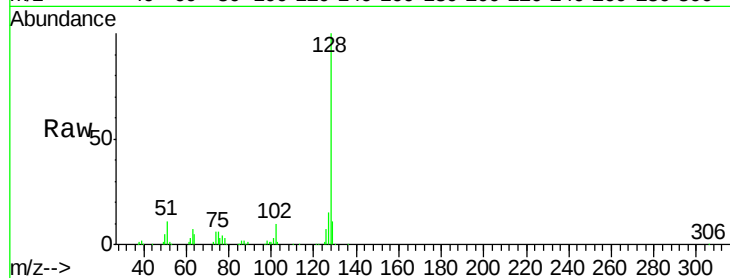




#31
Naphthalene
Concen: 19.524 ng
RT: 11.24 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

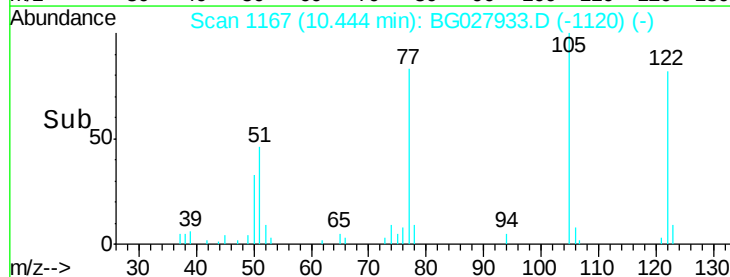
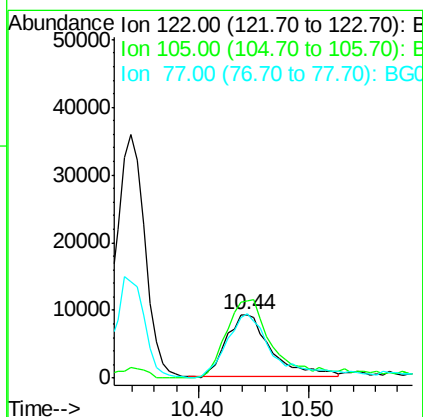
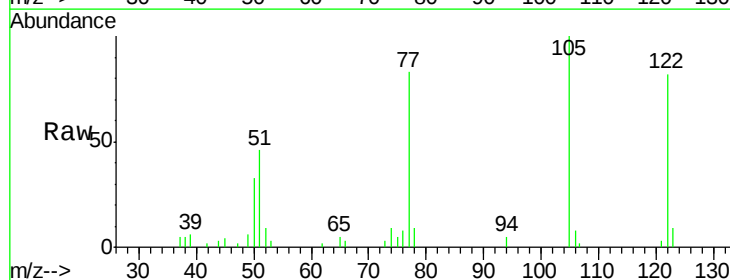
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2017

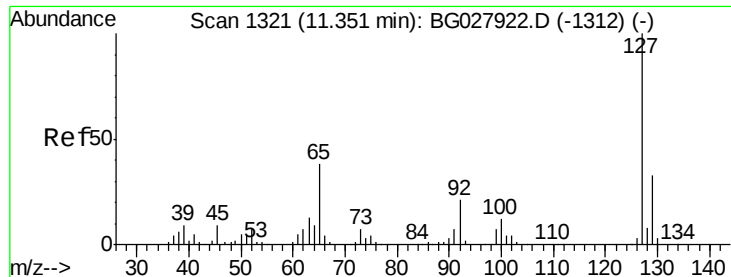
Tgt Ion:128 Resp: 215166
Ion Ratio Lower Upper
128 100
129 11.1 9.3 13.9
127 15.0 11.4 17.0



#32
Benzoic acid
Concen: 21.192 ng
RT: 10.44 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Tgt Ion:122 Resp: 26485
Ion Ratio Lower Upper
122 100
105 122.1 120.1 160.1
77 101.3 104.6 144.6#

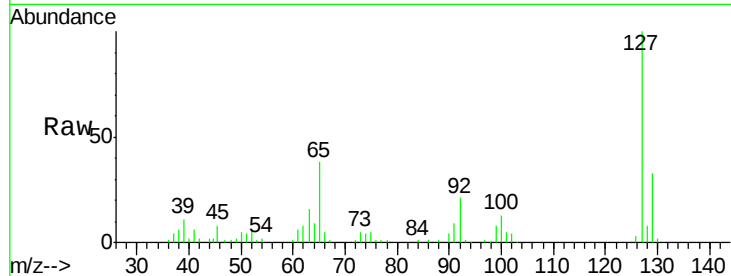




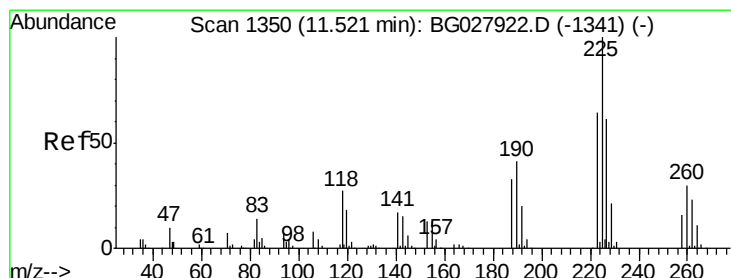
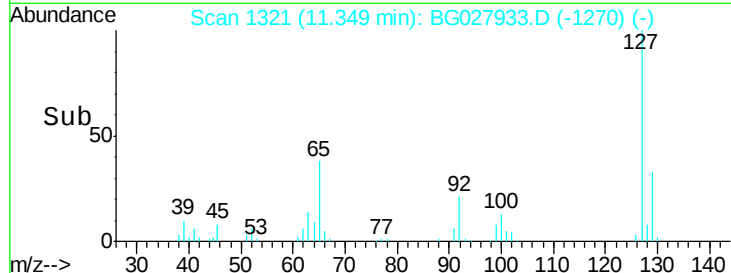
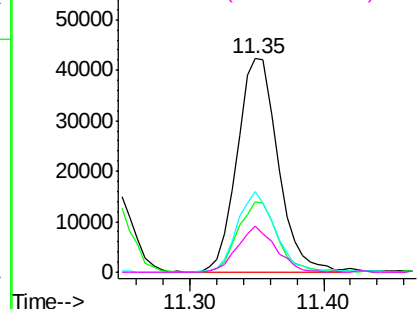
#33
4-Chloroaniline
Concen: 19.972 ng
RT: 11.35 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2017

Tgt Ion:	127	Resp:	89952
Ion	Ratio	Lower	Upper
127	100		
129	32.8	23.6	35.4
65	38.0	37.7	56.5
92	21.5	17.6	26.4

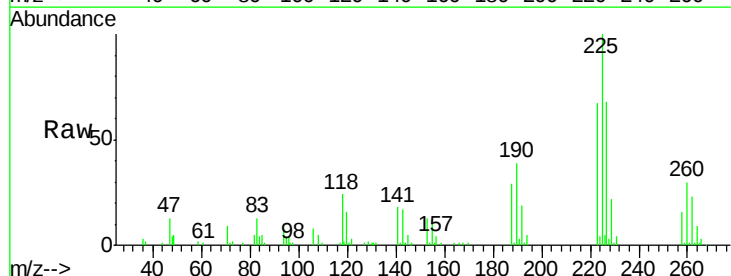


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGO
Ion 92.00 (91.70 to 92.70): BGO

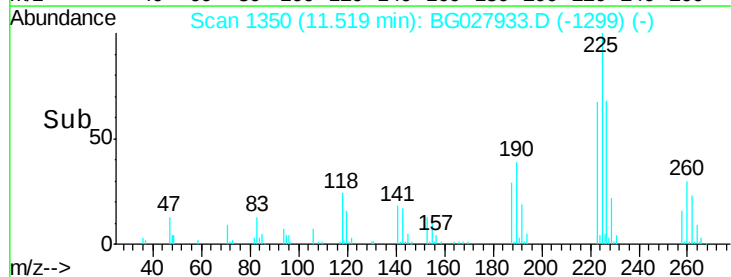
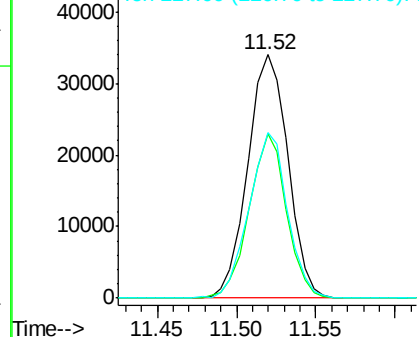


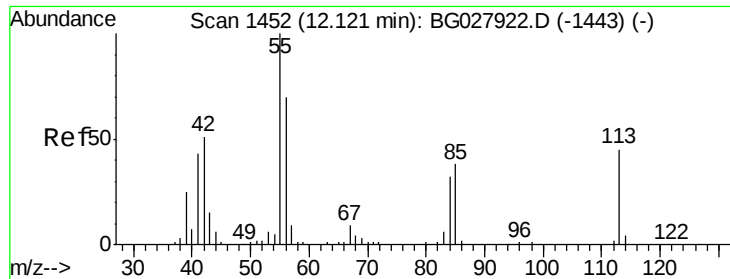
#34
Hexachlorobutadiene
Concen: 20.181 ng
RT: 11.52 min Scan# 1350
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Tgt Ion:	225	Resp:	59895
Ion	Ratio	Lower	Upper
225	100		
223	67.3	50.7	76.1
227	70.9	49.0	73.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 21.218 ng

RT: 12.11 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

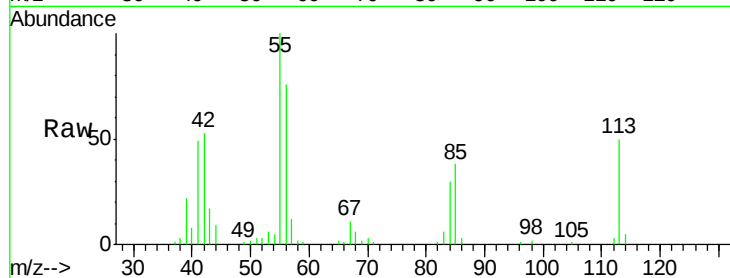
Tgt Ion:113 Resp: 24618

Ion Ratio Lower Upper

113 100

55 199.5 198.6 238.6

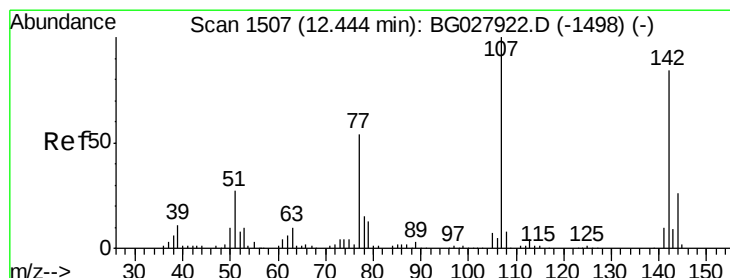
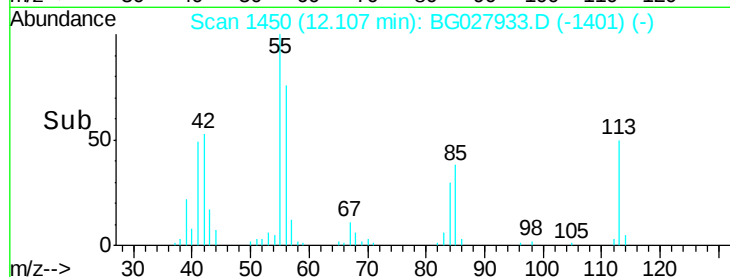
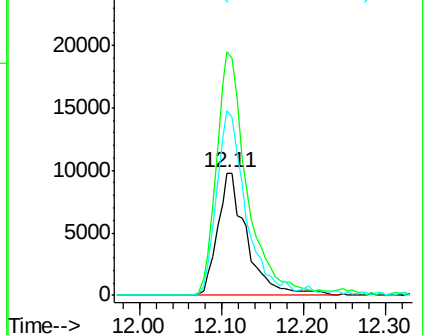
56 150.9 140.4 180.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG027922.D (-1443) (-)

Ion 56.00 (55.70 to 56.70): BG027922.D (-1443) (-)



#36

4-Chloro-3-methylphenol

Concen: 20.218 ng

RT: 12.44 min Scan# 1507

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

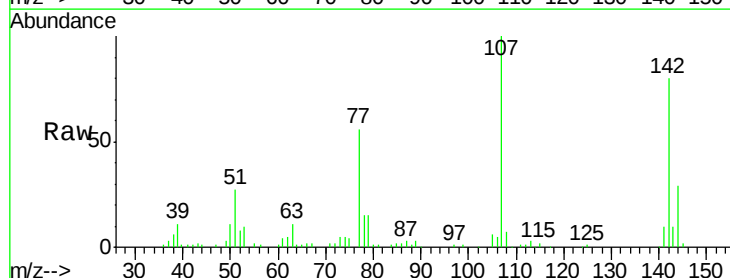
Tgt Ion:107 Resp: 82720

Ion Ratio Lower Upper

107 100

144 28.8 17.4 26.0#

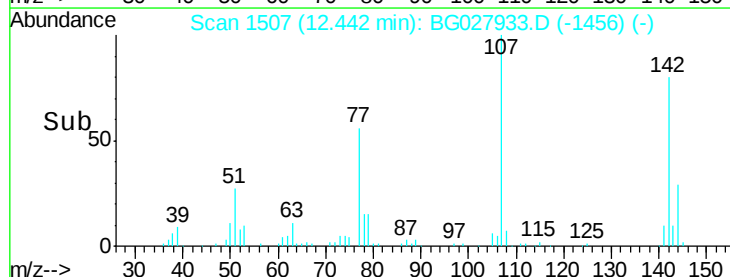
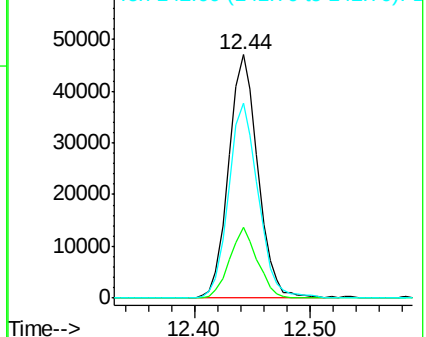
142 80.2 54.1 81.1

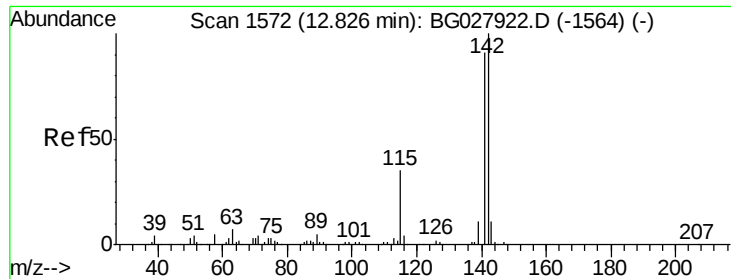


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

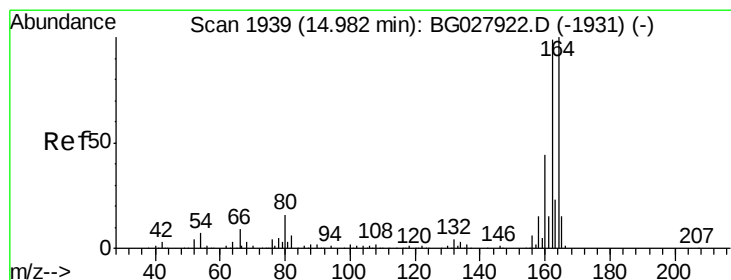
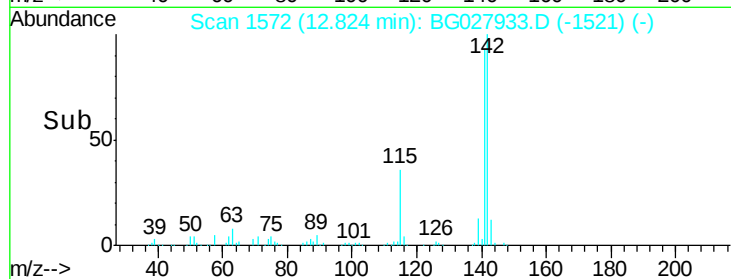
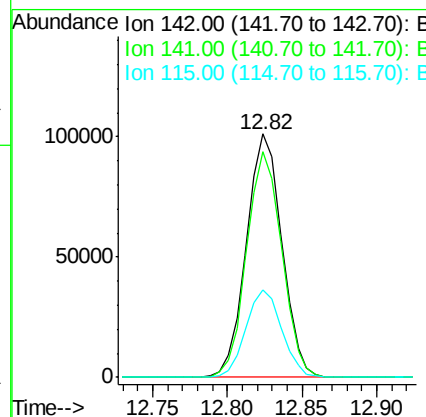
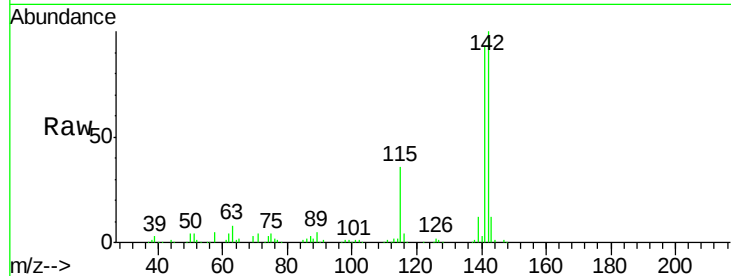




#37
 2-Methylnaphthalene
 Concen: 19.773 ng
 RT: 12.82 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

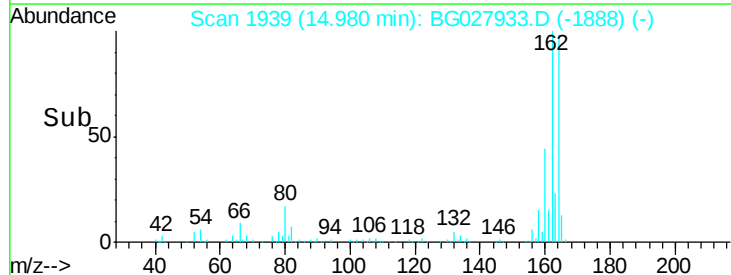
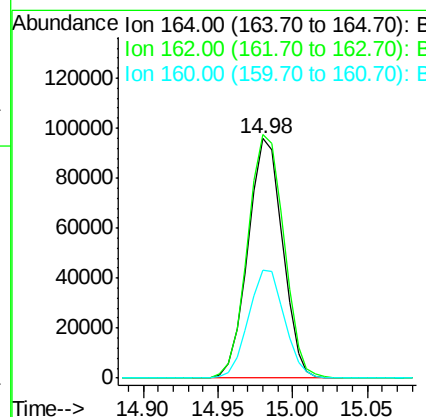
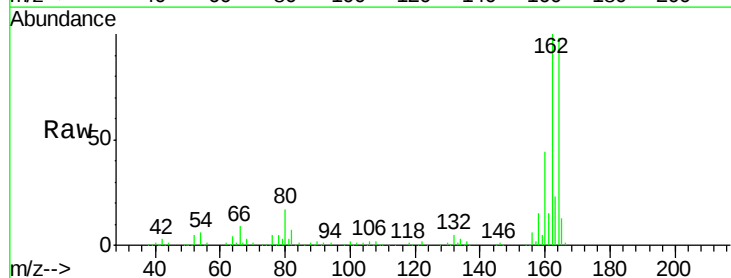
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

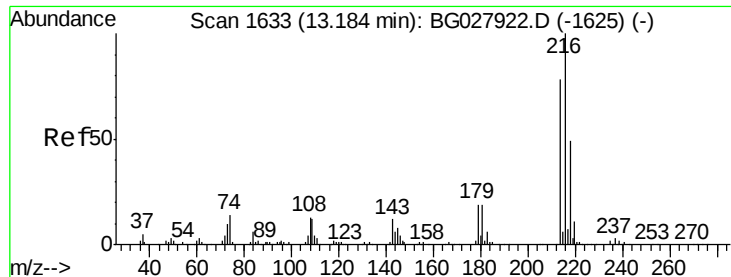
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	70.4	105.6
115	35.8	35.5	53.3



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.98 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	85.1	127.7
160	45.2	34.7	52.1





#39

1,2,4,5-Tetrachlorobenzene

Concen: 19.734 ng

RT: 13.19 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

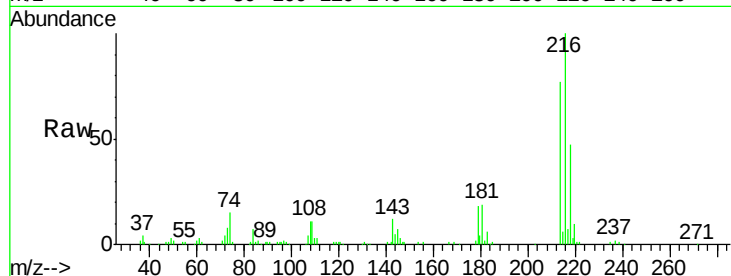
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

Tgt Ion:	216	Resp:	119723
Ion	Ratio	Lower	Upper
216	100		
214	76.7	64.4	96.6
179	19.0	17.4	26.0
108	12.7	15.6	23.4#

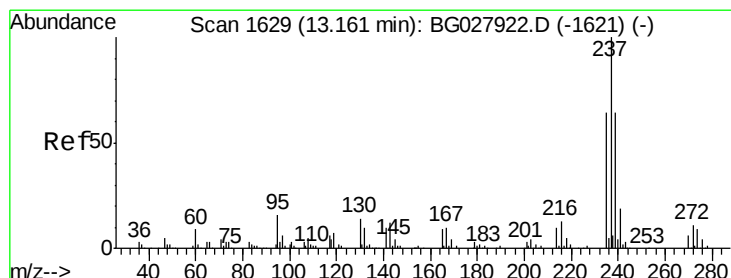
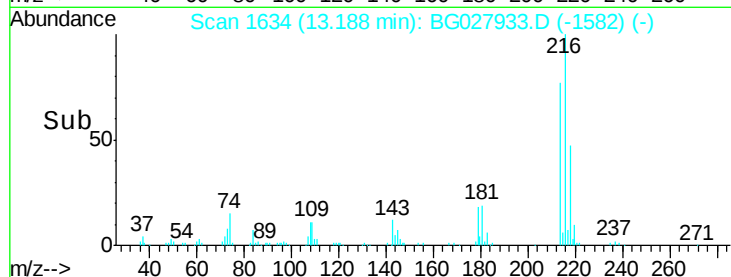
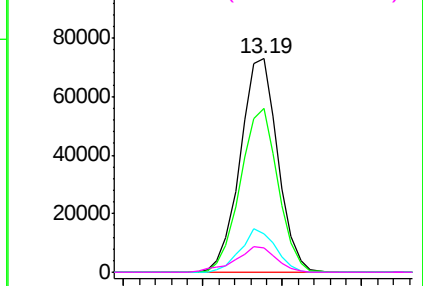


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 18.321 ng

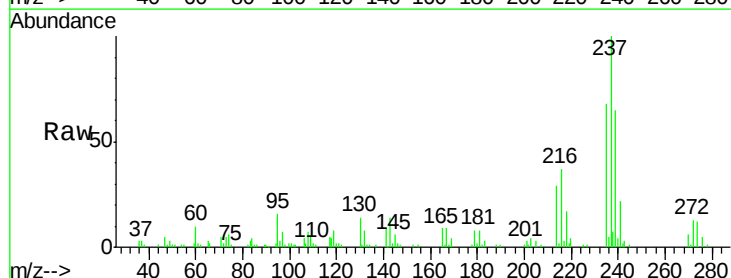
RT: 13.16 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

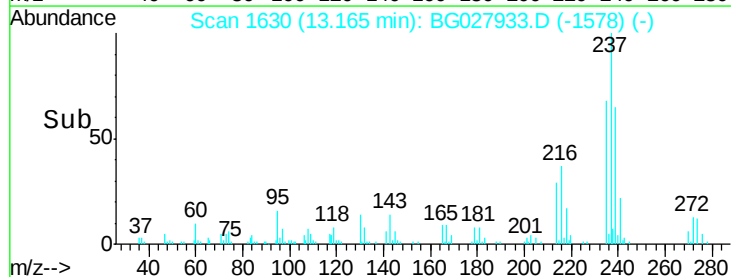
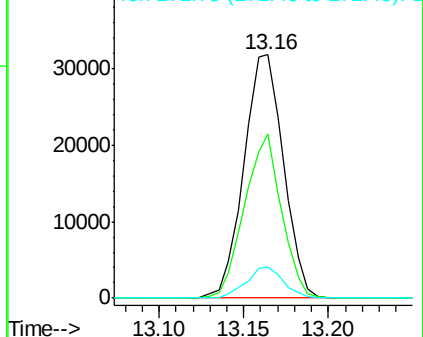
Tgt Ion:	237	Resp:	51875
Ion	Ratio	Lower	Upper
237	100		
235	67.5	39.4	79.4
272	12.6	0.0	32.0

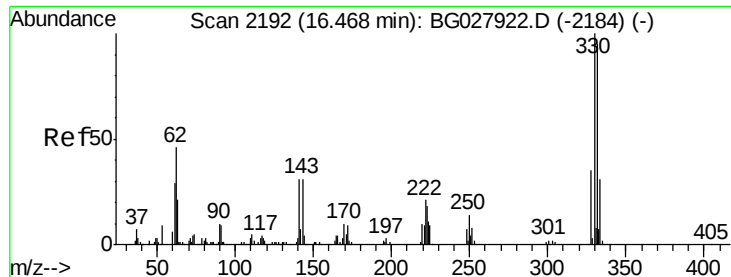


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

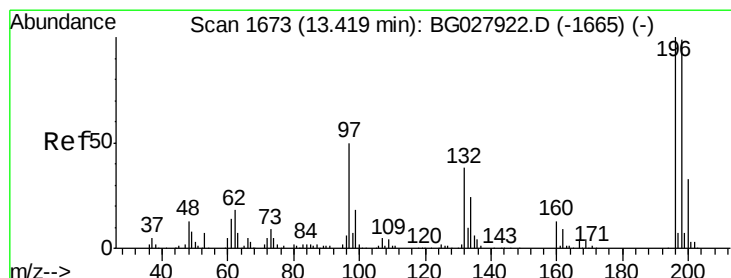
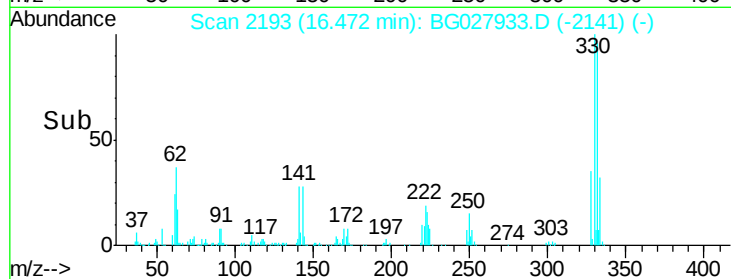
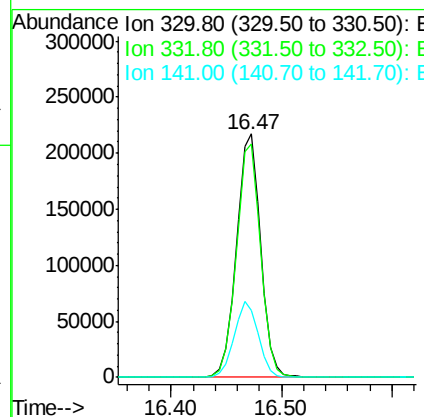
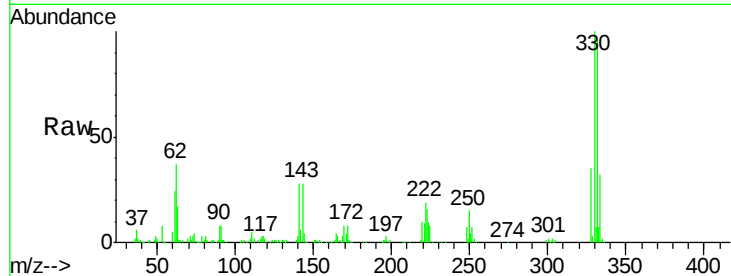




#41
 2,4,6-Tribromophenol
 Concen: 146.260 ng
 RT: 16.47 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

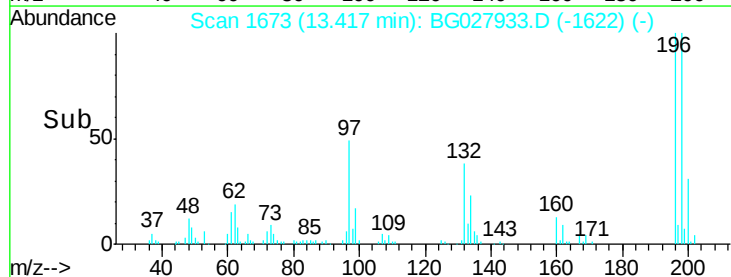
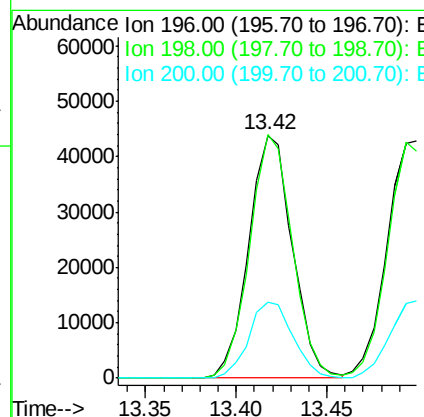
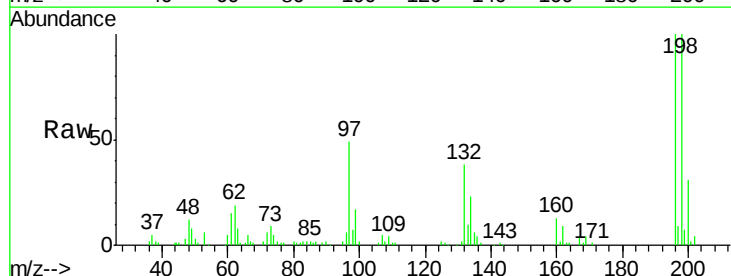
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

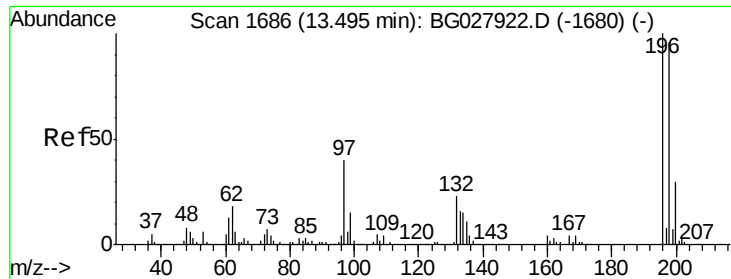
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	31.4	32.1	48.1#



#42
 2,4,6-Trichlorophenol
 Concen: 19.912 ng
 RT: 13.42 min Scan# 1673
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.5	81.4	122.2
200	31.2	27.0	40.6

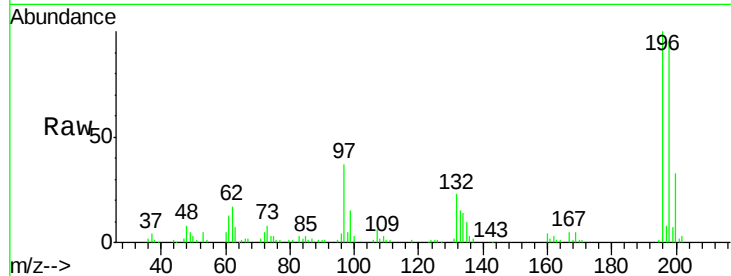




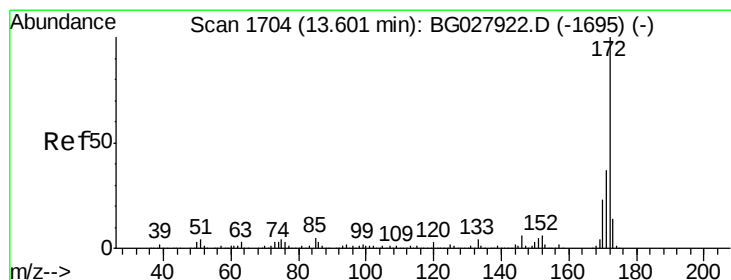
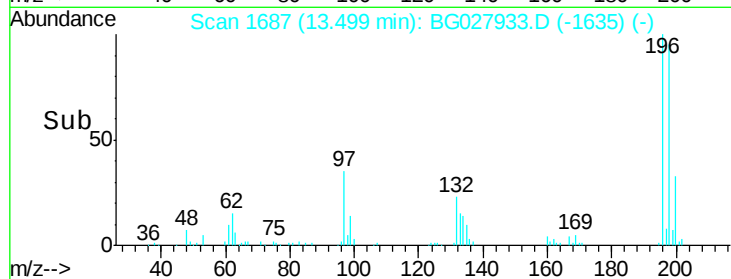
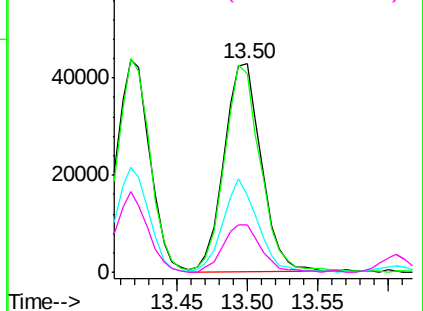
#43
 2,4,5-Trichlorophenol
 Concen: 20.195 ng
 RT: 13.50 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Tgt Ion:196 Resp: 78225
 Ion Ratio Lower Upper
 196 100
 198 95.4 79.9 119.9
 97 36.8 45.4 68.0#
 132 23.0 20.7 31.1

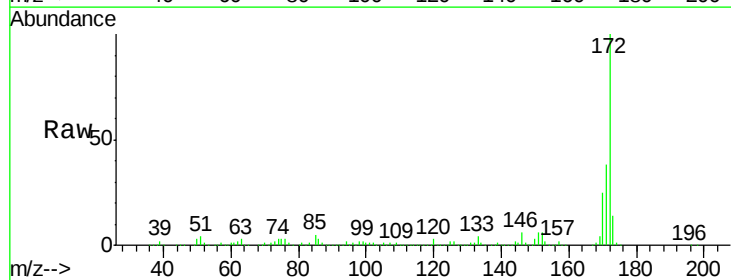


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E

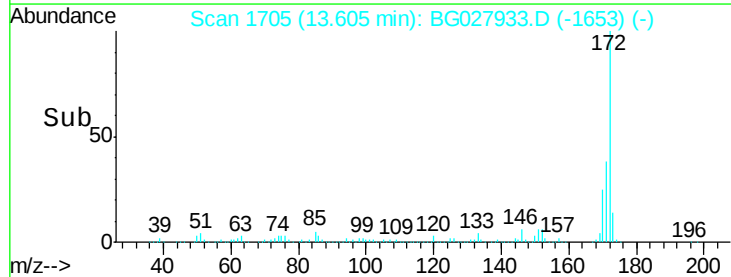
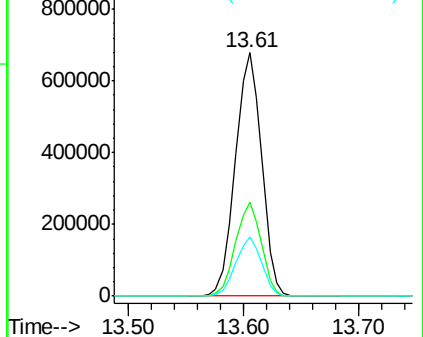


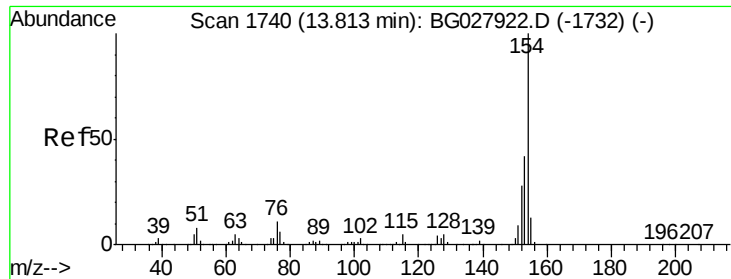
#44
 2-Fluorobiphenyl
 Concen: 91.505 ng
 RT: 13.61 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Tgt Ion:172 Resp: 1064656
 Ion Ratio Lower Upper
 172 100
 171 38.3 32.2 48.2
 170 24.6 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

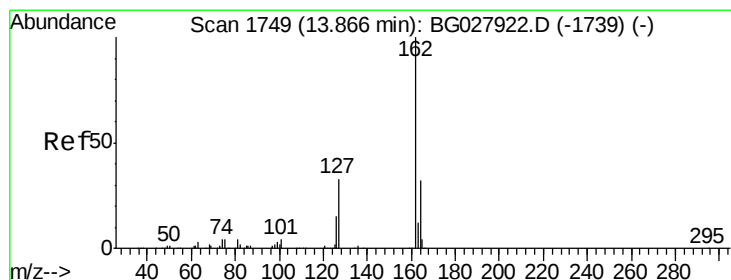
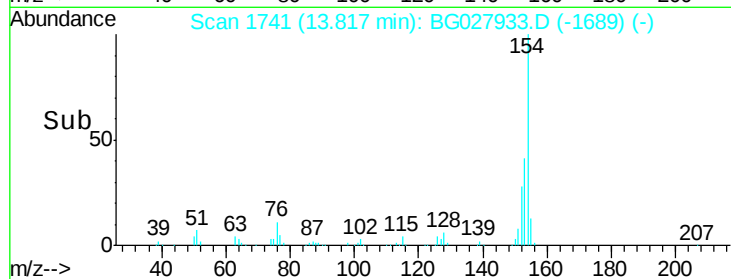
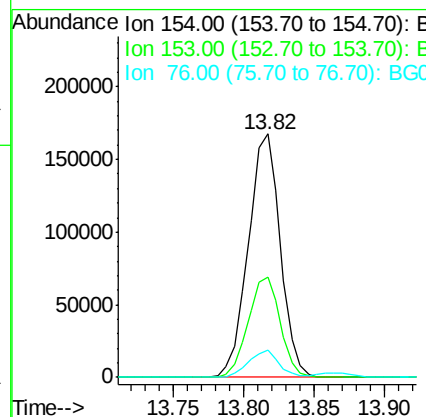
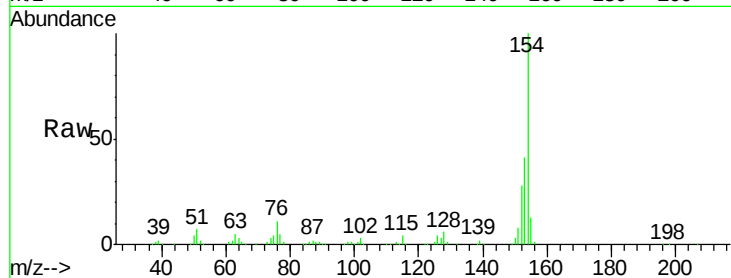




#45
 1,1'-Biphenyl
 Concen: 20.151 ng
 RT: 13.82 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

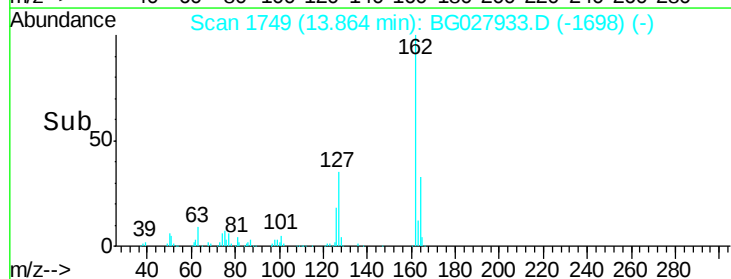
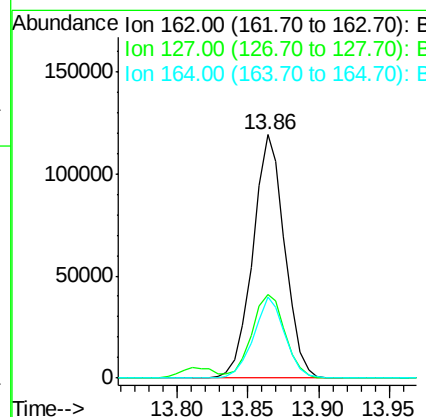
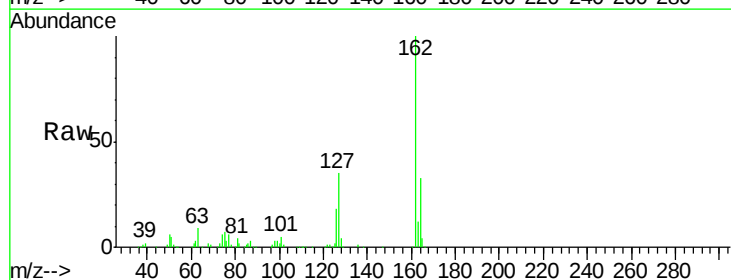
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

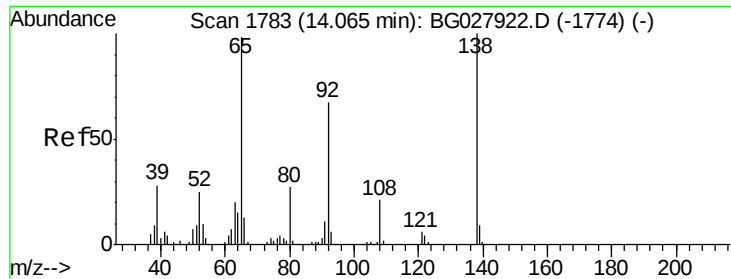
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	23.0	63.0
76	11.0	0.0	33.5



#46
 2-Chloronaphthalene
 Concen: 19.652 ng
 RT: 13.86 min Scan# 1749
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Tgt Ion	Ratio	Lower	Upper
162	100		
127	34.5	32.2	48.4
164	33.1	27.3	40.9





#47

2-Nitroaniline

Concen: 20.368 ng

RT: 14.06 min Scan# 1783

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

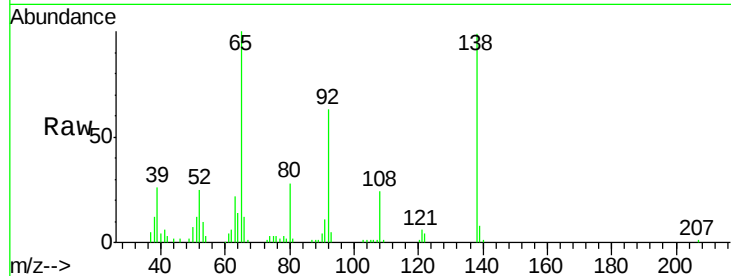
Tgt Ion: 65 Resp: 58427

Ion Ratio Lower Upper

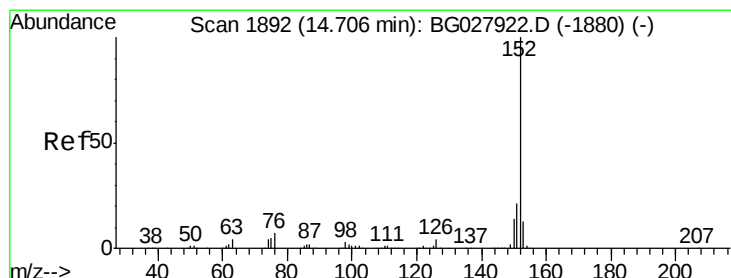
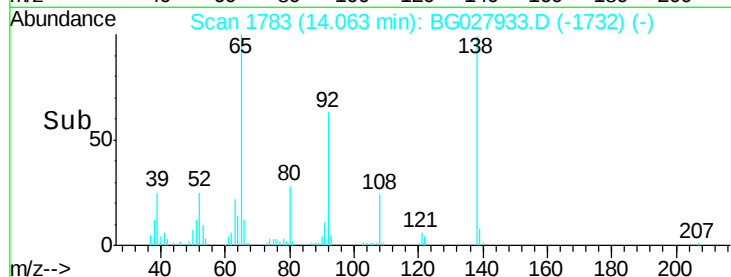
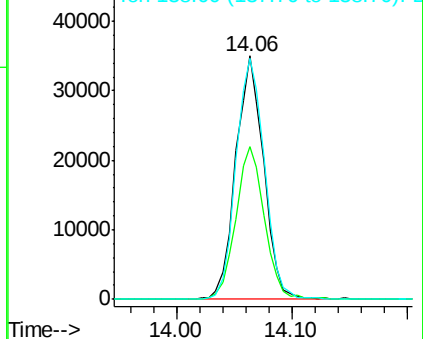
65 100

92 62.8 49.0 73.4

138 99.3 58.6 87.8#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#48

Acenaphthylene

Concen: 20.016 ng

RT: 14.70 min Scan# 1892

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

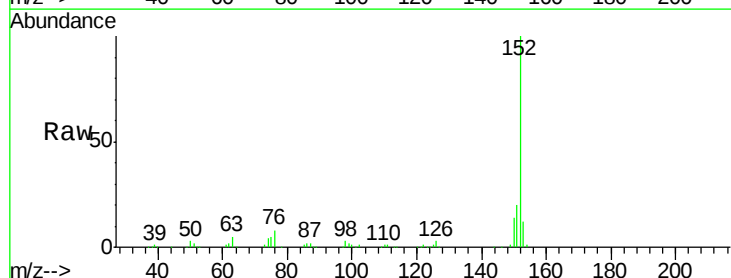
Tgt Ion: 152 Resp: 305805

Ion Ratio Lower Upper

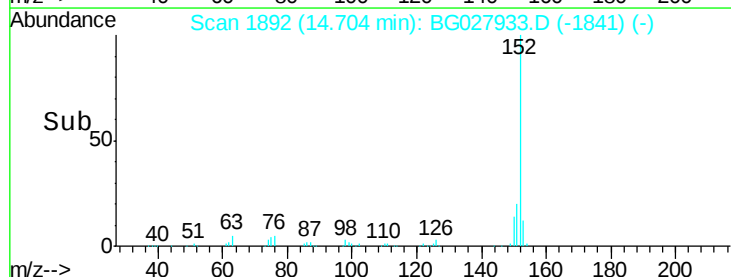
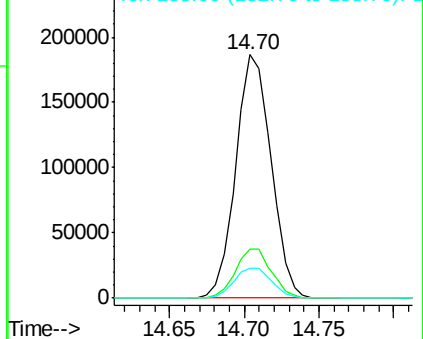
152 100

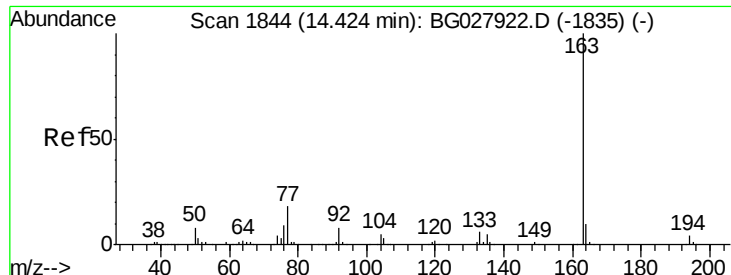
151 20.0 18.2 27.2

153 12.5 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): BGC
Ion 151.00 (150.70 to 151.70): BGC
Ion 153.00 (152.70 to 153.70): BGC





#49

Dimethylphthalate

Concen: 20.538 ng

RT: 14.42 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

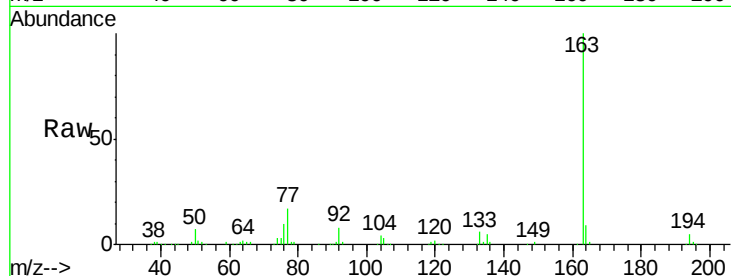
Tgt Ion:163 Resp: 263146

Ion Ratio Lower Upper

163 100

194 5.1 3.8 5.6

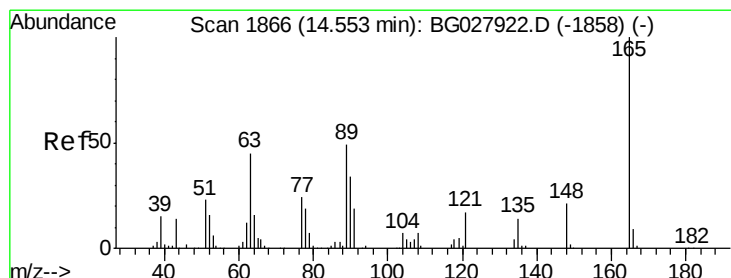
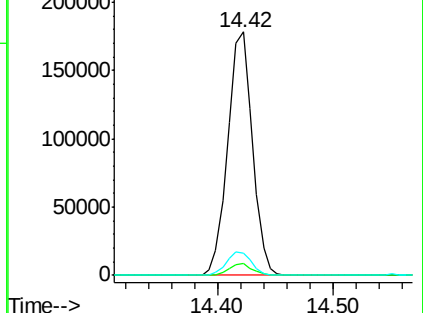
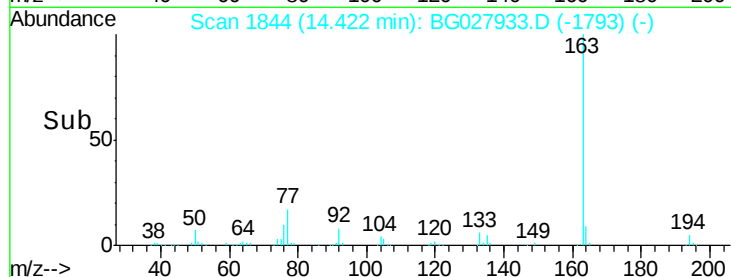
164 9.3 9.3 13.9#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 20.792 ng

RT: 14.55 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

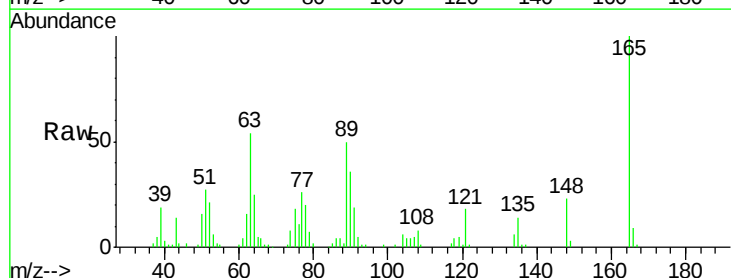
Tgt Ion:165 Resp: 56912

Ion Ratio Lower Upper

165 100

63 54.0 63.9 95.9#

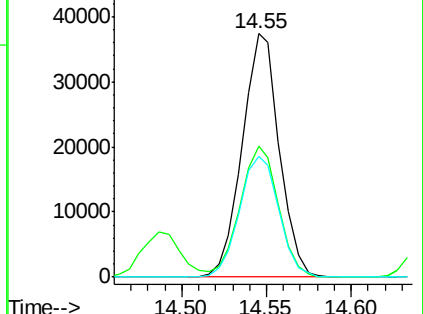
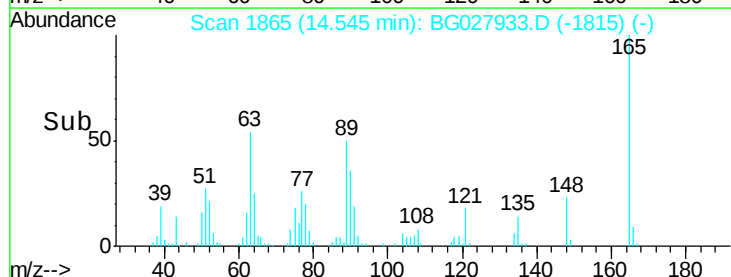
89 49.7 58.6 88.0#

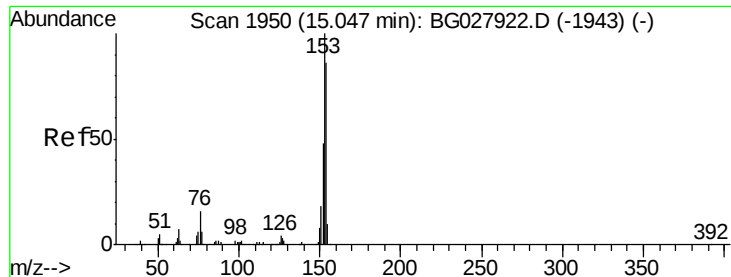


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 19.756 ng

RT: 15.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

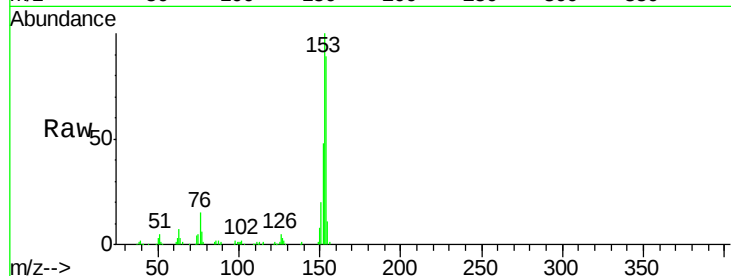
Tgt Ion:154 Resp: 189370

Ion Ratio Lower Upper

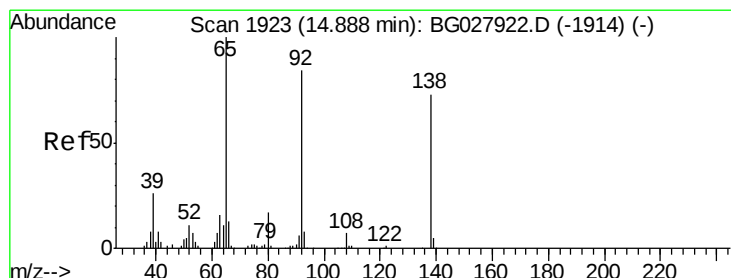
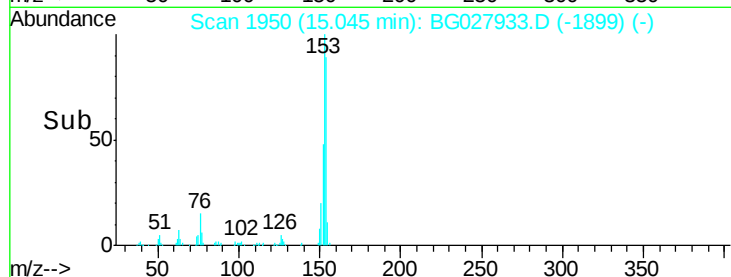
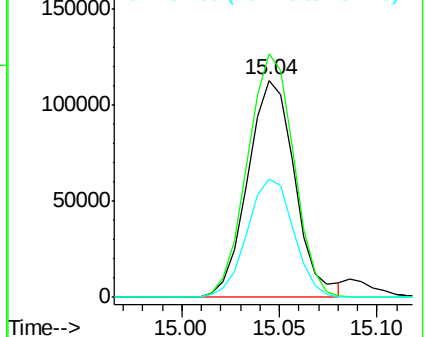
154 100

153 112.2 87.8 131.6

152 54.2 42.2 63.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 20.059 ng

RT: 14.89 min Scan# 1923

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

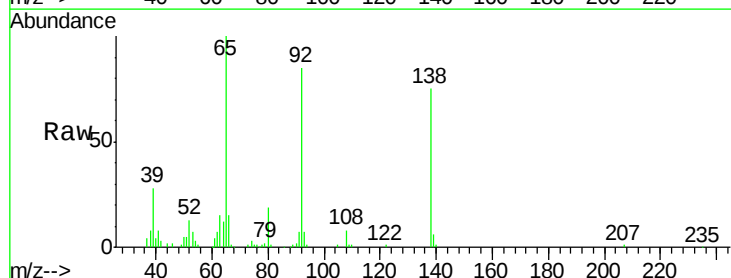
Tgt Ion:138 Resp: 52037

Ion Ratio Lower Upper

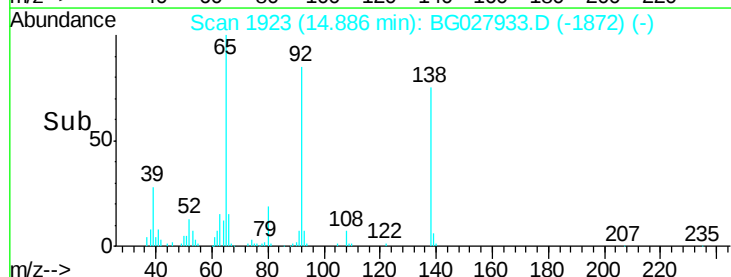
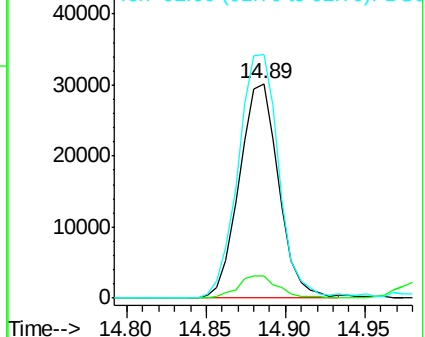
138 100

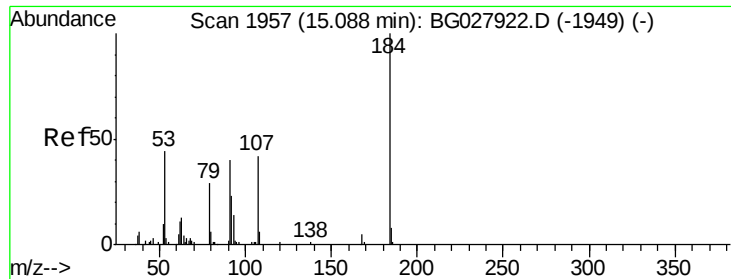
108 10.2 10.9 16.3#

92 113.6 115.3 172.9#



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): BG

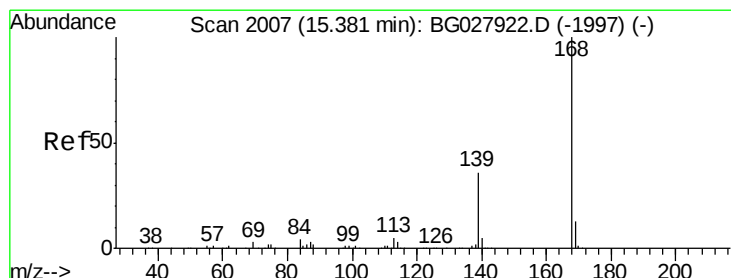
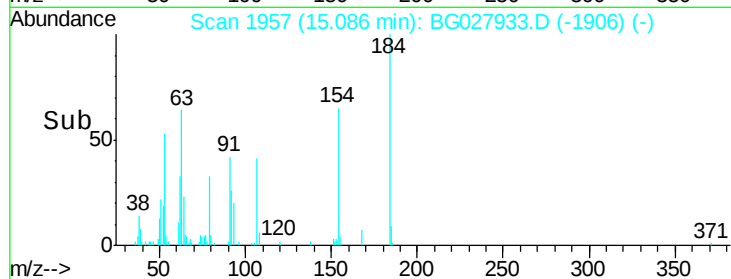
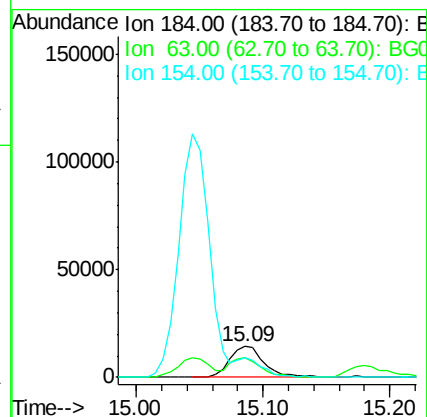
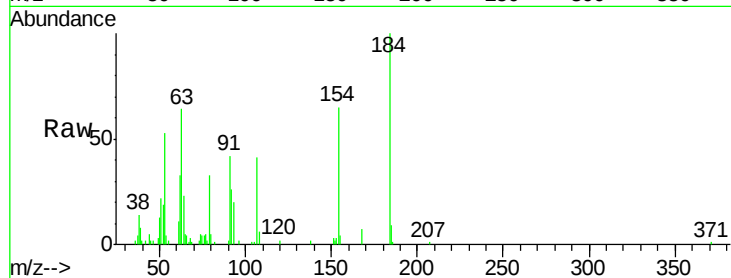




#53
2,4-Dinitrophenol
Concen: 20.698 ng
RT: 15.09 min Scan# 1957
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

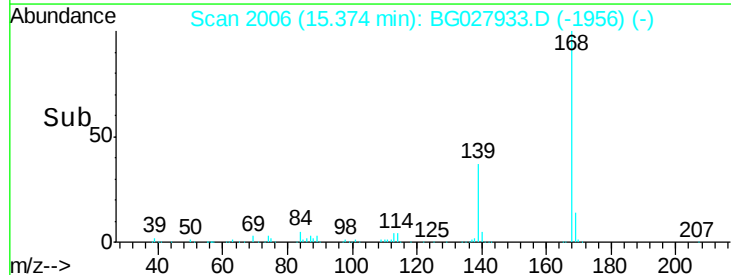
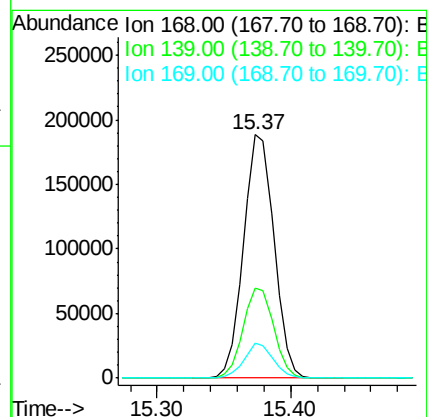
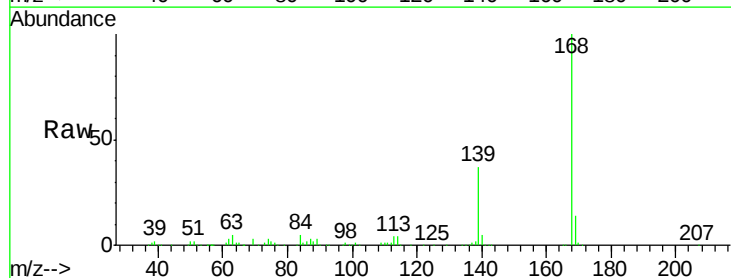
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2017

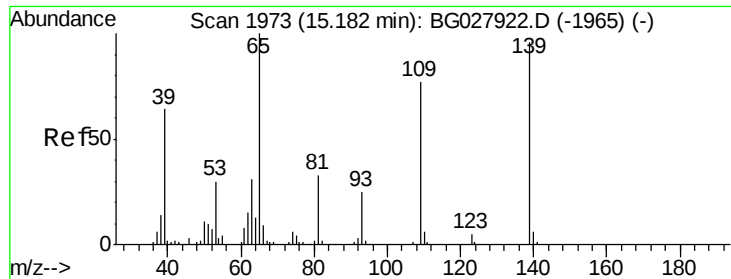
Tgt Ion:184 Resp: 27526
Ion Ratio Lower Upper
184 100
63 63.5 52.7 79.1
154 64.8 57.3 85.9



#54
Dibenzofuran
Concen: 20.271 ng
RT: 15.37 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Tgt Ion:168 Resp: 296956
Ion Ratio Lower Upper
168 100
139 36.8 35.3 52.9
169 14.3 11.5 17.3

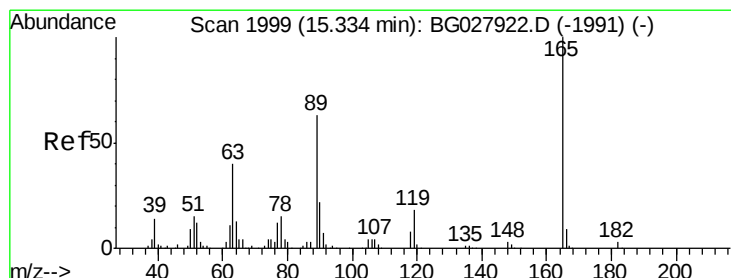
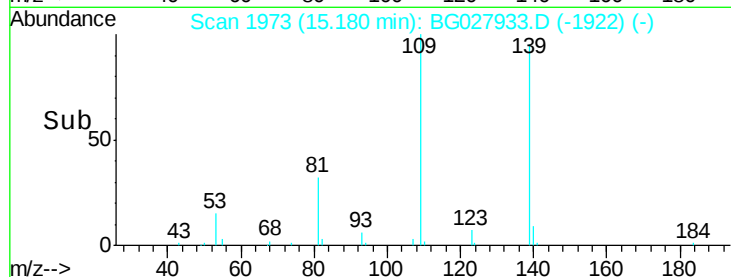
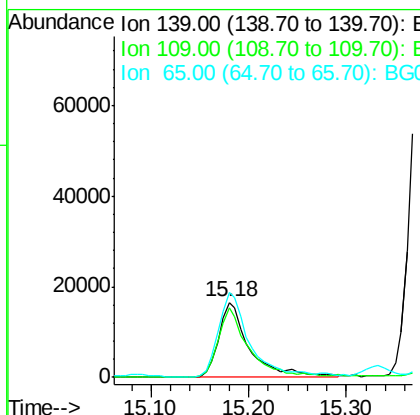
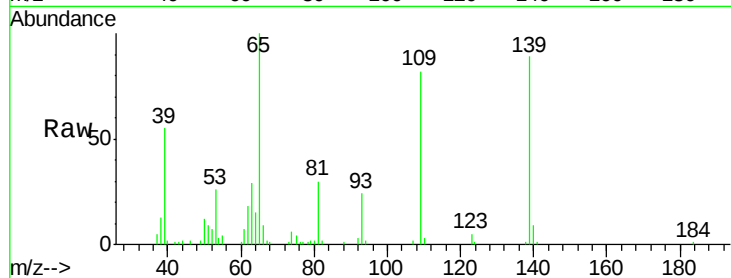




#55
4-Nitrophenol
Concen: 20.506 ng
RT: 15.18 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

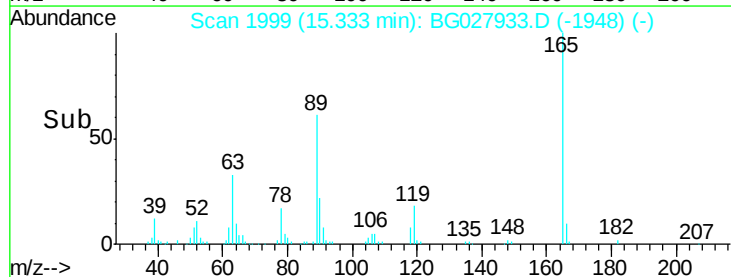
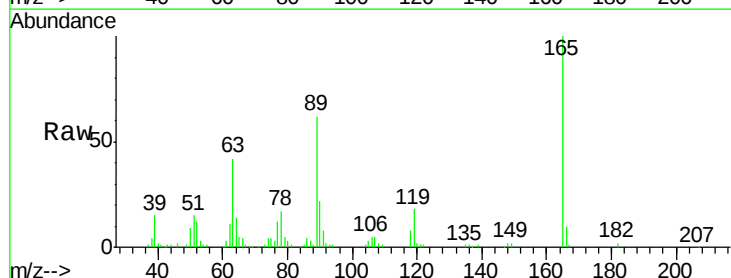
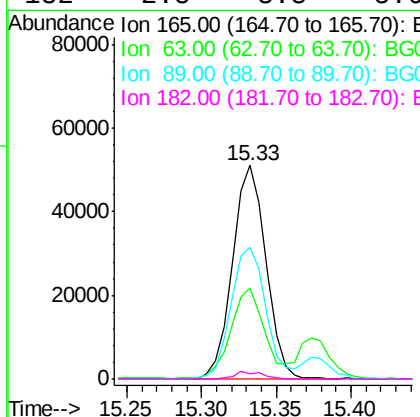
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2017

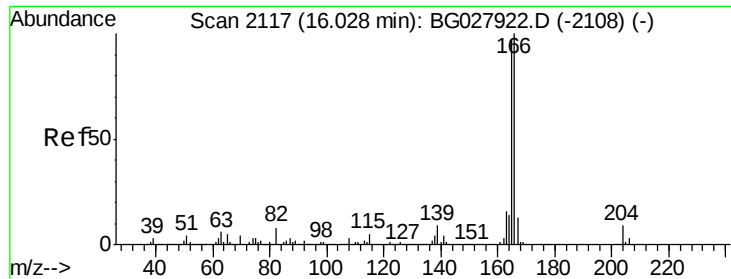
Tgt Ion:139 Resp: 36389
Ion Ratio Lower Upper
139 100
109 92.7 101.2 141.2#
65 112.8 135.3 175.3#



#56
2,4-Dinitrotoluene
Concen: 21.043 ng
RT: 15.33 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Tgt Ion:165 Resp: 79634
Ion Ratio Lower Upper
165 100
63 42.4 44.0 66.0#
89 61.7 67.3 100.9#
182 2.5 3.8 5.6#





#57

Fluorene

Concen: 20.576 ng

RT: 16.03 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

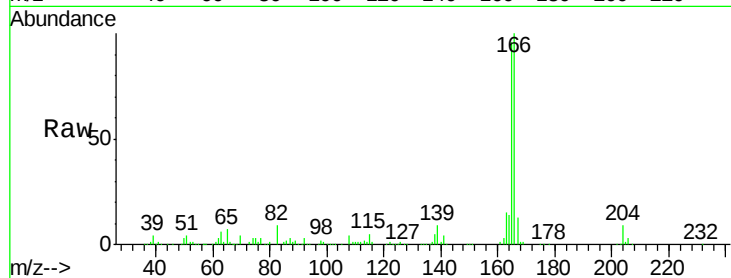
Tgt Ion:166 Resp: 269316

Ion Ratio Lower Upper

166 100

165 95.6 78.6 117.8

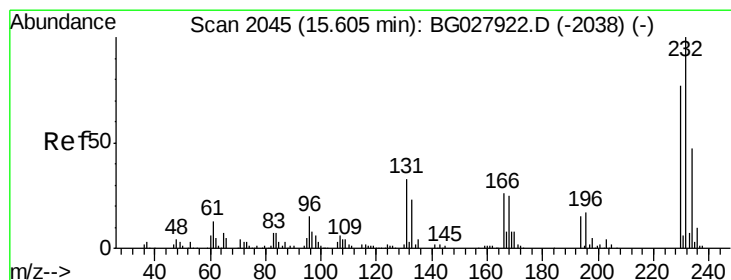
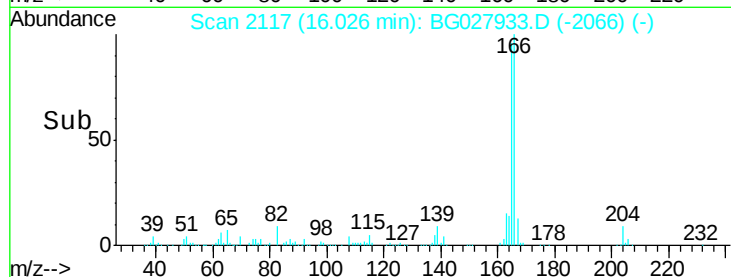
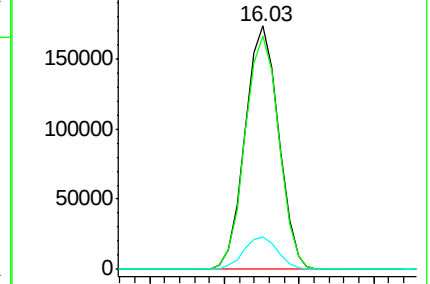
167 13.3 11.6 17.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 21.063 ng

RT: 15.60 min Scan# 2045

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Tgt Ion:232 Resp: 72470

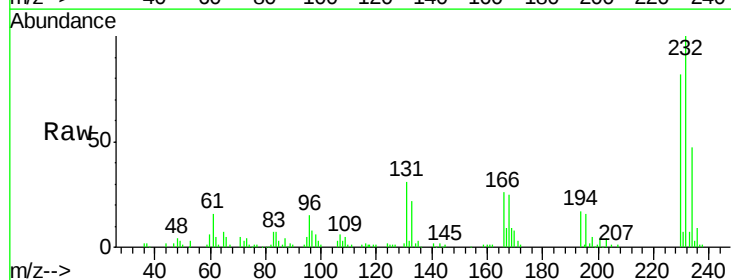
Ion Ratio Lower Upper

232 100

131 35.1 34.9 52.3

130 1.7 2.3 3.5#

166 26.1 24.2 36.4

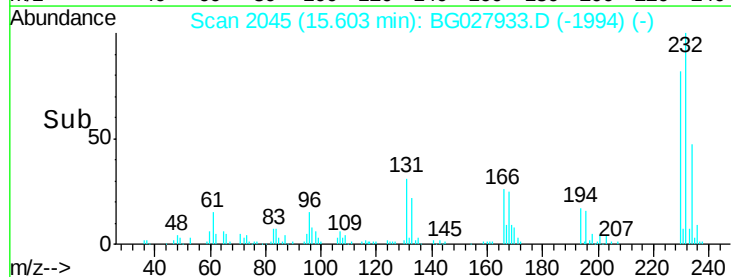
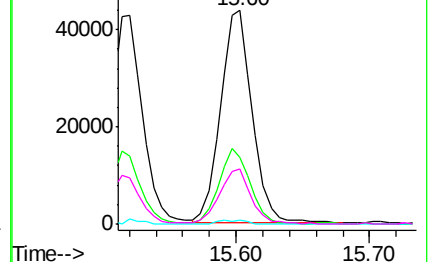


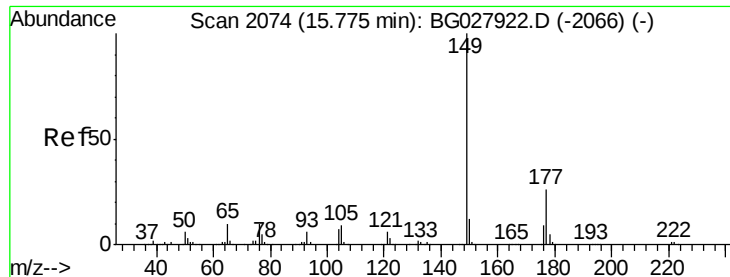
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

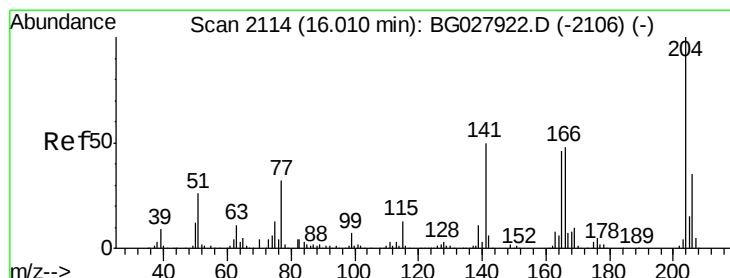
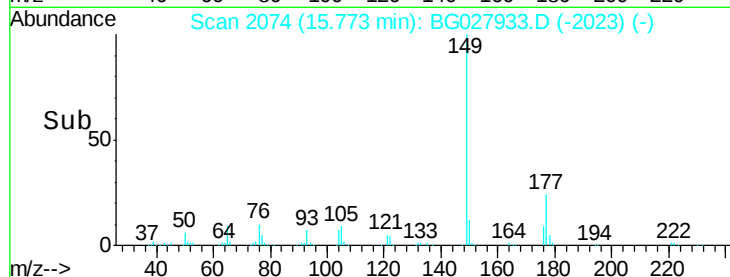
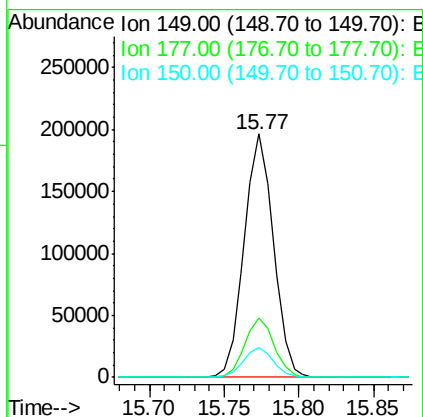
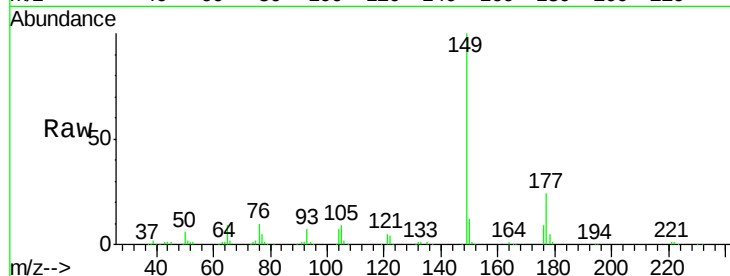




#59
Diethylphthalate
Concen: 21.374 ng
RT: 15.77 min Scan# 2074
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

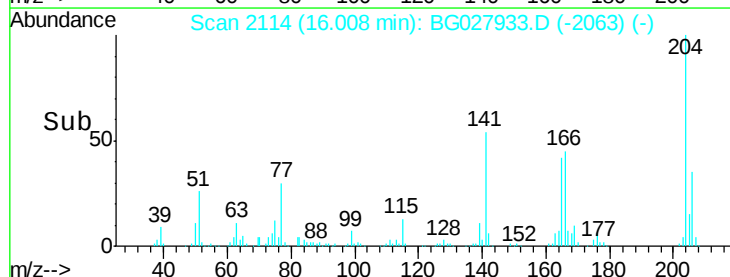
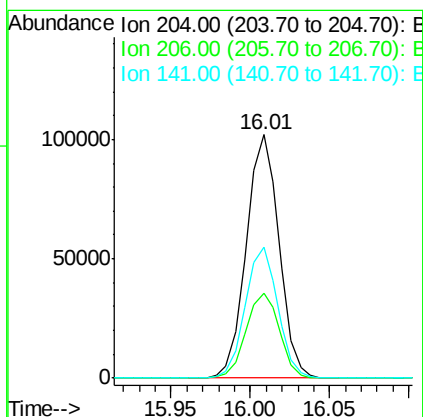
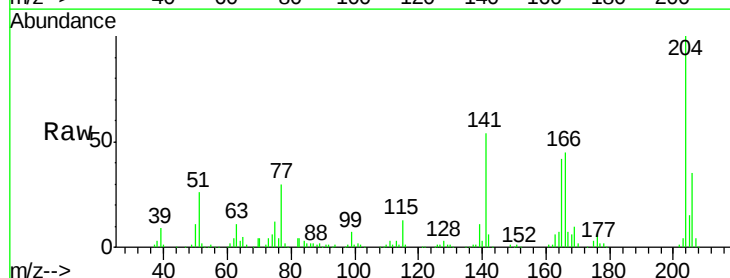
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2017

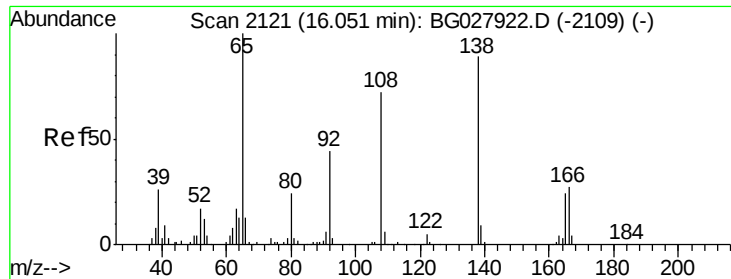
Tgt Ion:149 Resp: 265492
Ion Ratio Lower Upper
149 100
177 24.3 20.1 30.1
150 12.2 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 20.232 ng
RT: 16.01 min Scan# 2114
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Tgt Ion:204 Resp: 146017
Ion Ratio Lower Upper
204 100
206 34.8 30.1 45.1
141 53.7 50.6 76.0

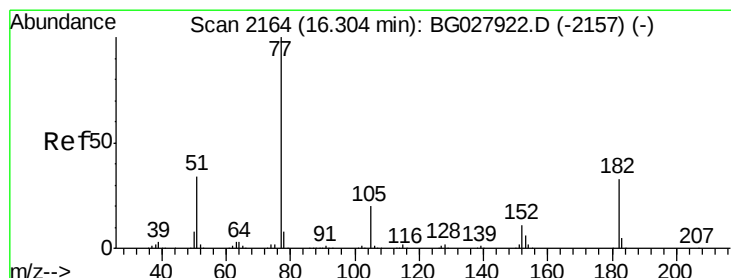
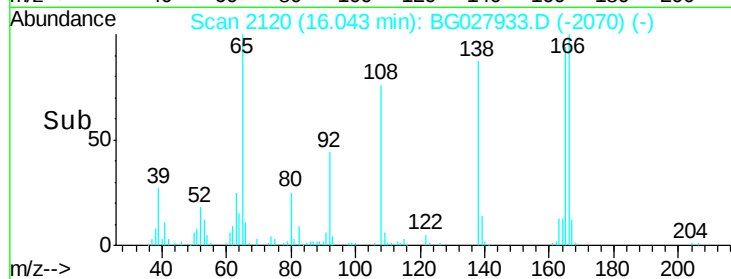
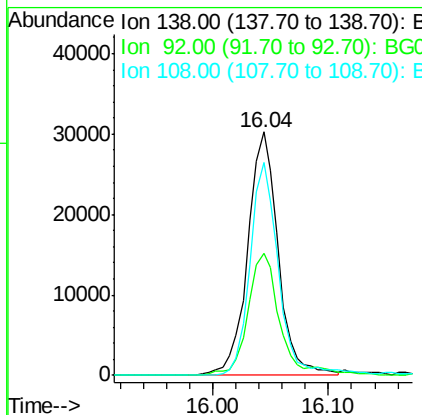
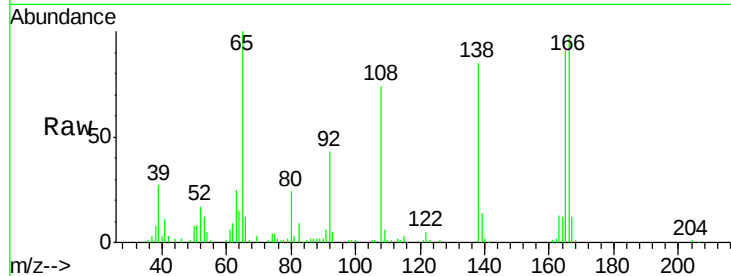




#61
4-Nitroaniline
Concen: 20.079 ng
RT: 16.04 min Scan# 2120
Delta R.T. -0.01 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

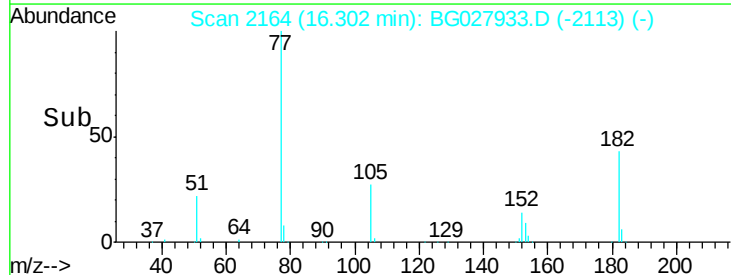
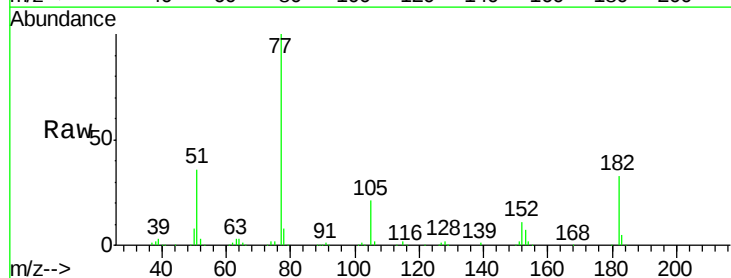
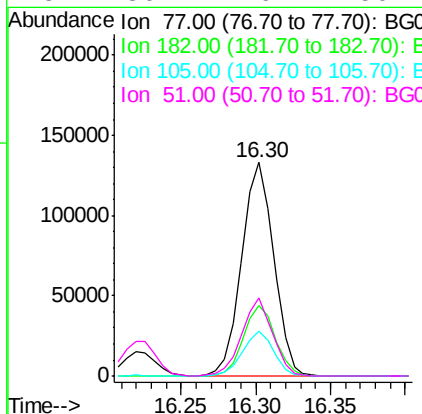
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2017

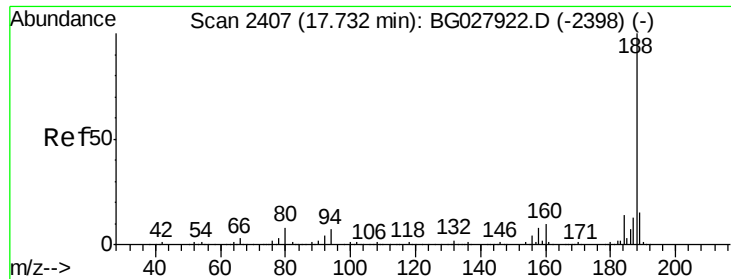
Tgt Ion:138 Resp: 55687
Ion Ratio Lower Upper
138 100
92 50.2 44.2 84.2
108 87.2 104.8 144.8#



#62
Azobenzene
Concen: 20.351 ng
RT: 16.30 min Scan# 2164
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Tgt Ion: 77 Resp: 198169
Ion Ratio Lower Upper
77 100
182 33.1 4.7 44.7
105 20.9 0.0 36.3
51 36.4 16.4 56.4

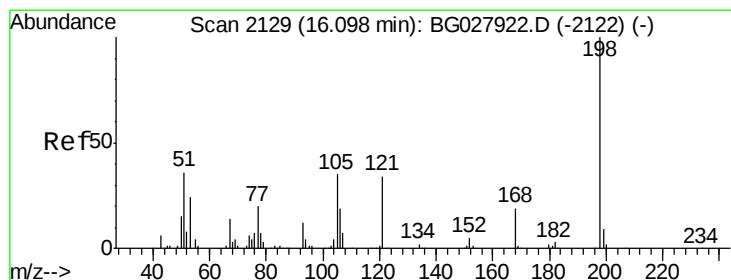
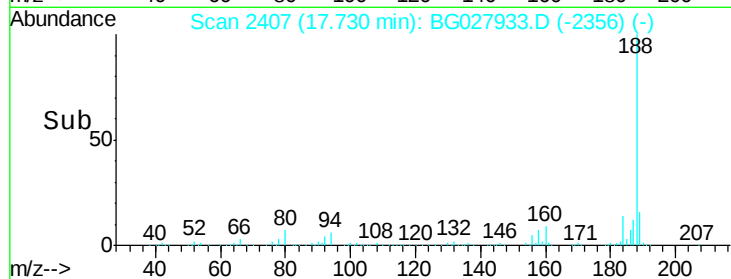
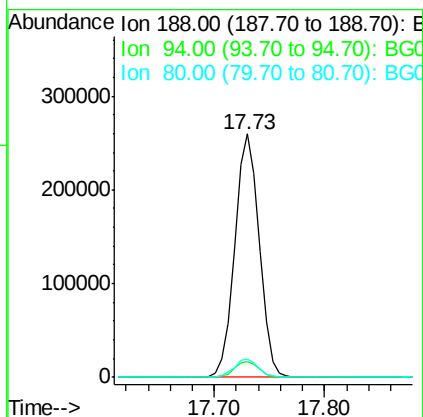
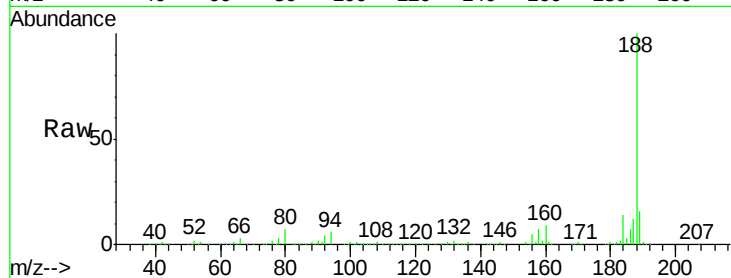




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.73 min Scan# 2407
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

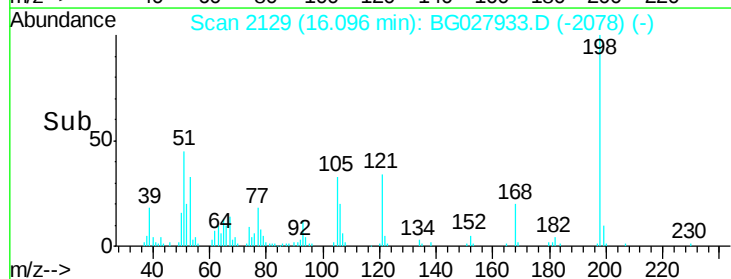
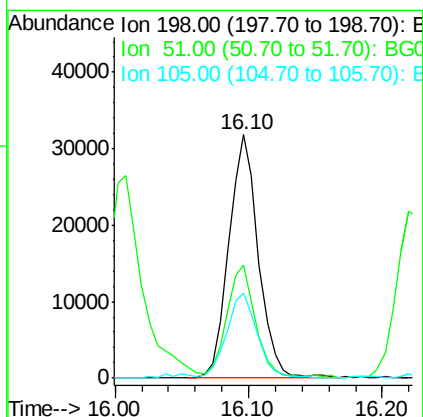
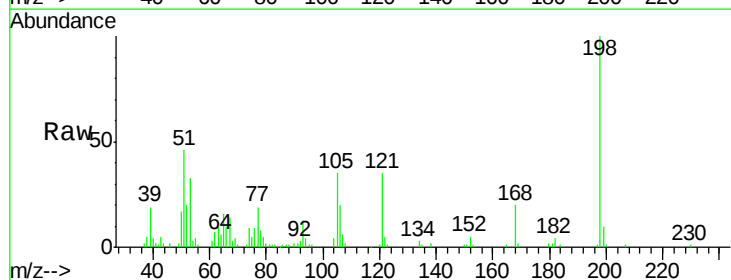
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

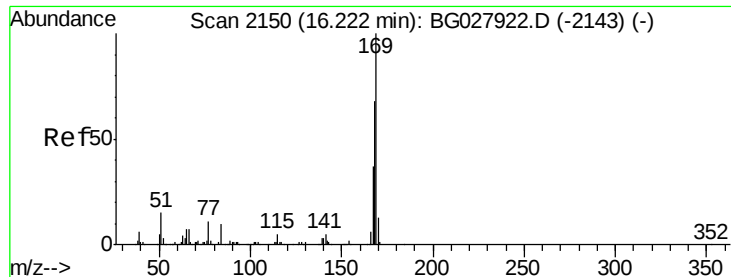
Tgt Ion:188 Resp: 403789
 Ion Ratio Lower Upper
 188 100
 94 6.3 5.8 8.8
 80 7.4 7.5 11.3#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 18.197 ng
 RT: 16.10 min Scan# 2129
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Tgt Ion:198 Resp: 48978
 Ion Ratio Lower Upper
 198 100
 51 46.2 22.6 62.6
 105 34.9 14.4 54.4

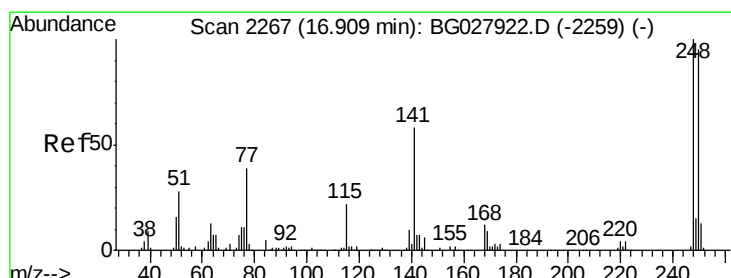
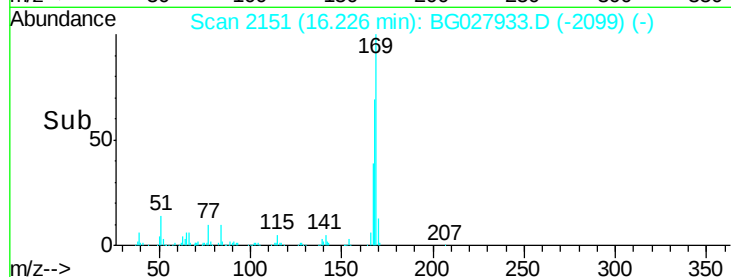
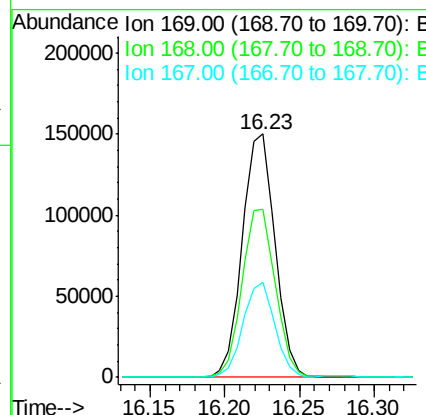
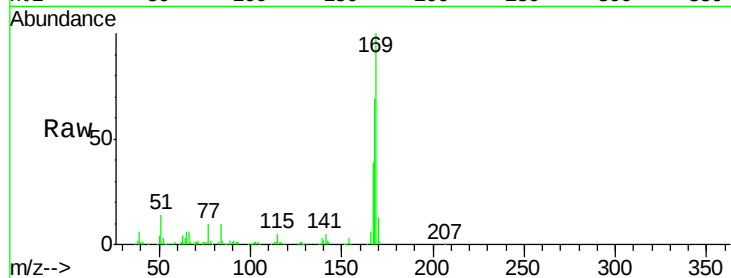




#65
 n-Nitrosodiphenylamine
 Concen: 19.387 ng
 RT: 16.23 min Scan# 2151
 Delta R.T. 0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

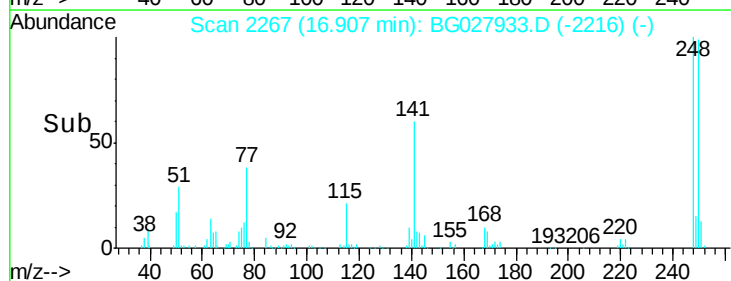
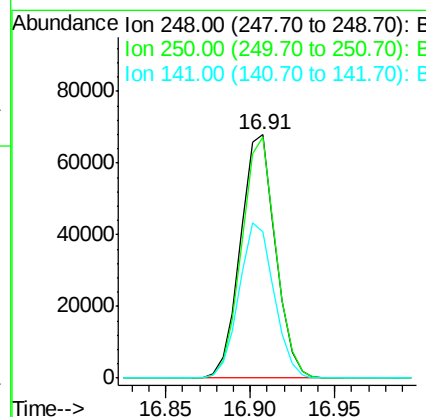
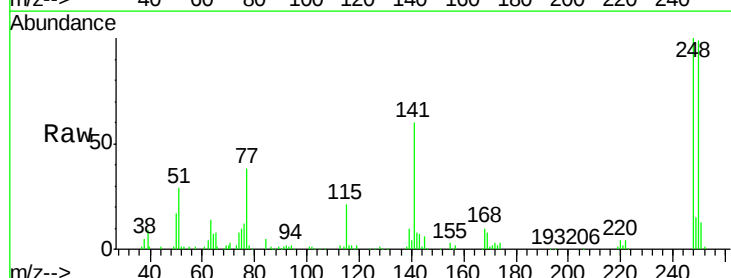
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

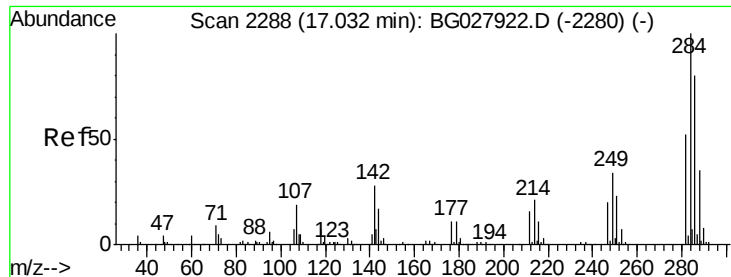
Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.9	55.7	83.5
167	39.0	29.8	44.6



#66
 4-Bromophenyl-phenylether
 Concen: 19.484 ng
 RT: 16.91 min Scan# 2267
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.1	75.0	112.6
141	60.2	55.2	82.8





#67

Hexachlorobenzene

Concen: 19.547 ng

RT: 17.03 min Scan# 2288

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

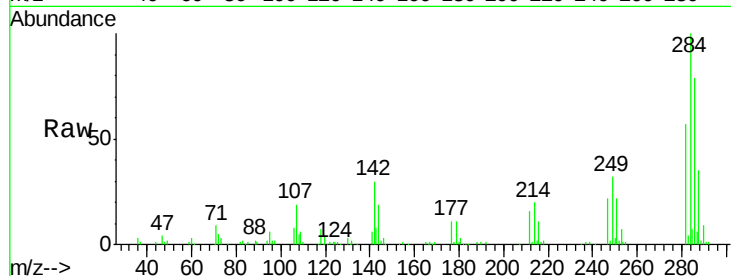
Tgt Ion:284 Resp: 107293

Ion Ratio Lower Upper

284 100

142 29.5 29.9 44.9#

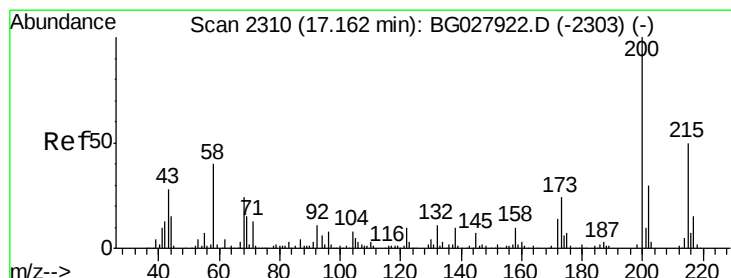
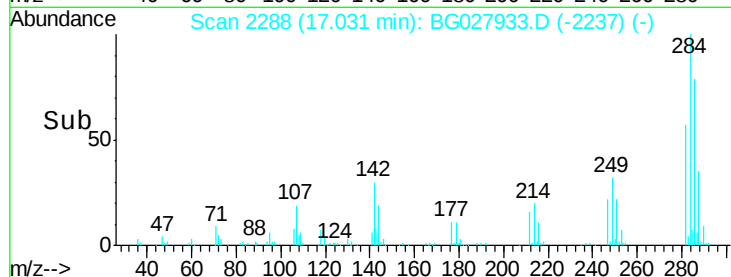
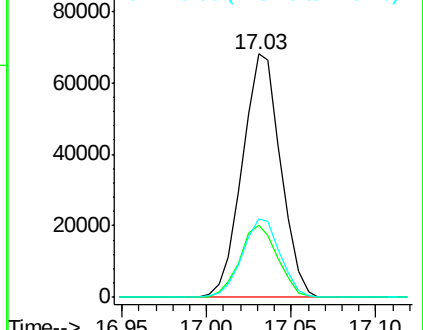
249 32.1 29.2 43.8



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 19.990 ng

RT: 17.16 min Scan# 2310

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

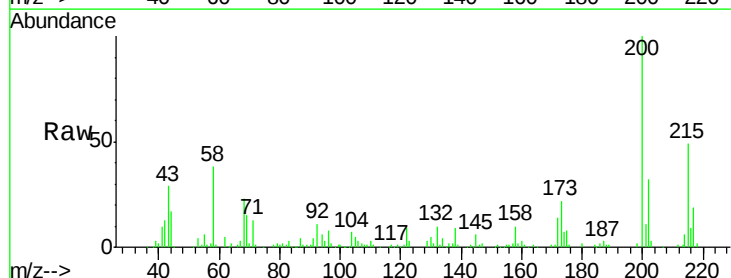
Tgt Ion:200 Resp: 90378

Ion Ratio Lower Upper

200 100

173 22.3 3.0 43.0

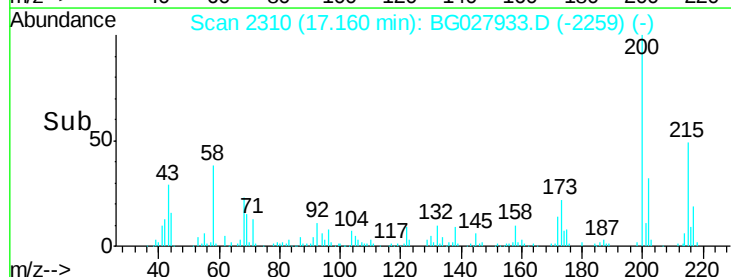
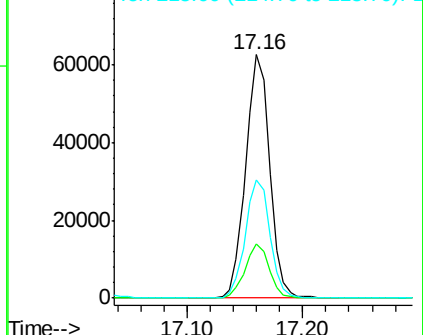
215 48.7 28.4 68.4

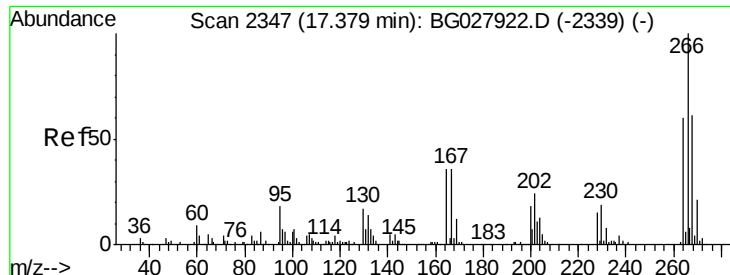


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

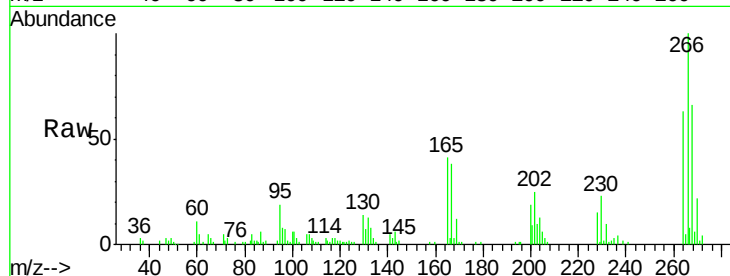




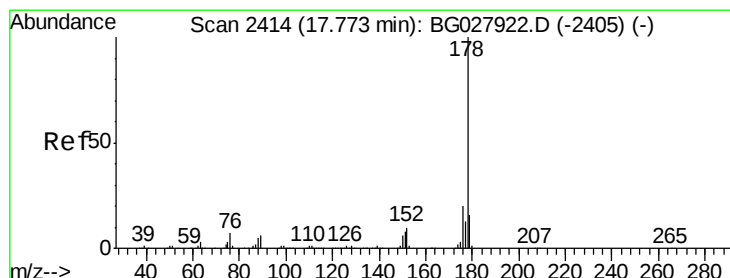
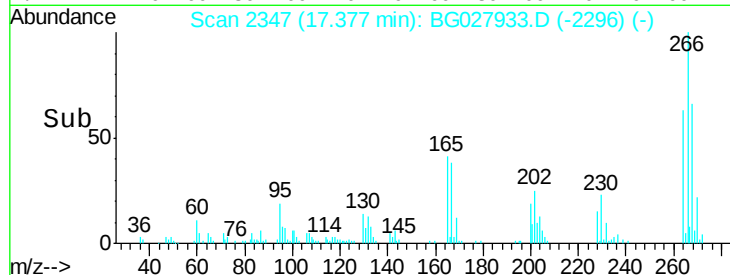
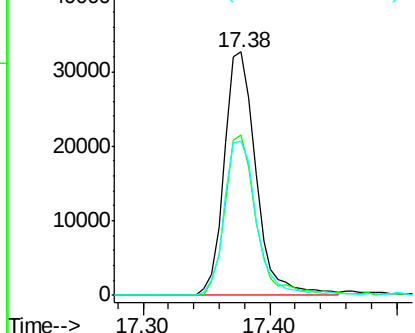
#69
 Pentachlorophenol
 Concen: 20.824 ng
 RT: 17.38 min Scan# 2347
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Tgt Ion:266 Resp: 56516
 Ion Ratio Lower Upper
 266 100
 268 66.0 48.6 72.8
 264 63.1 50.1 75.1

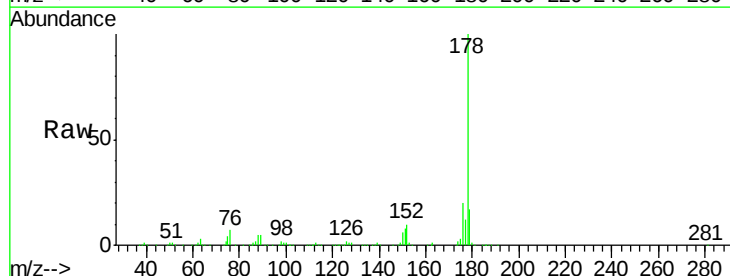


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

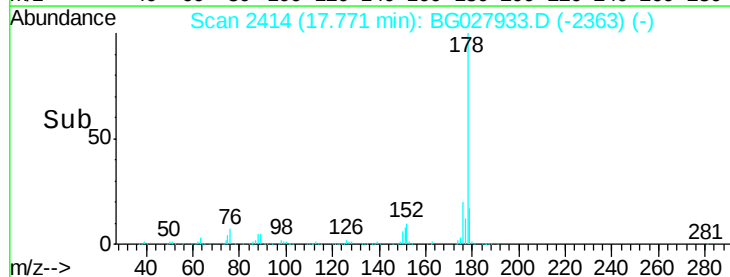
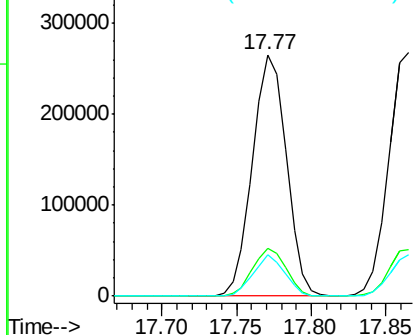


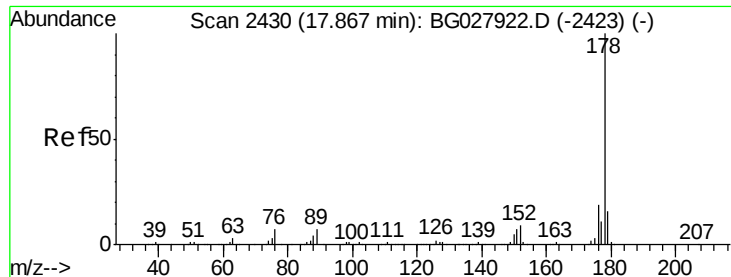
#70
 Phenanthrene
 Concen: 19.768 ng
 RT: 17.77 min Scan# 2414
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Tgt Ion:178 Resp: 417532
 Ion Ratio Lower Upper
 178 100
 176 19.7 17.7 26.5
 179 17.1 15.0 22.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

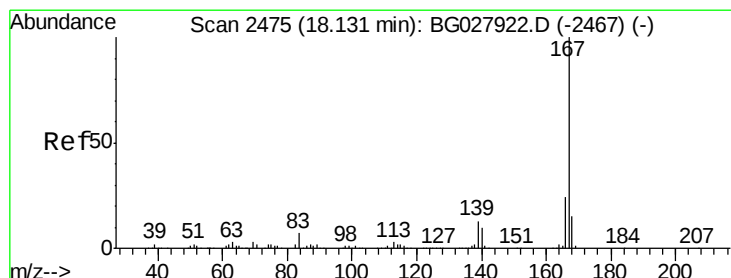
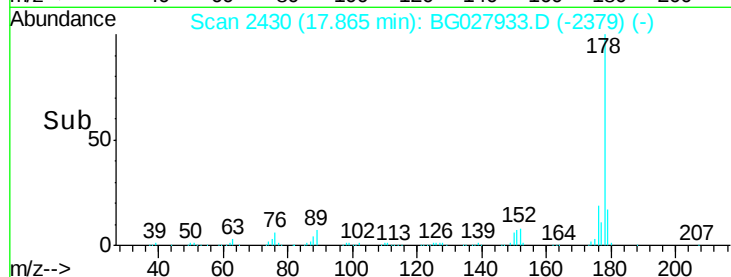
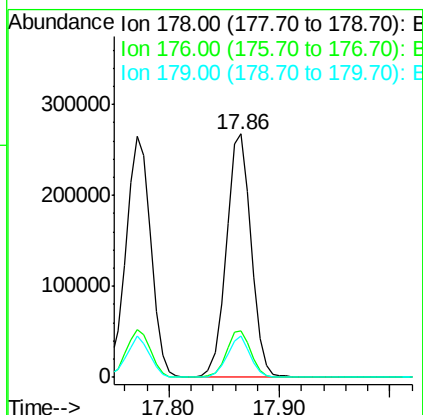
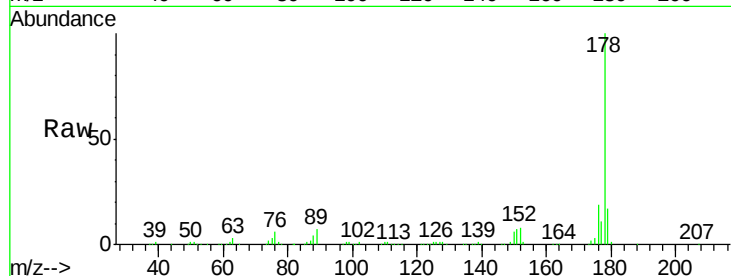




#71
 Anthracene
 Concen: 19.930 ng
 RT: 17.86 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

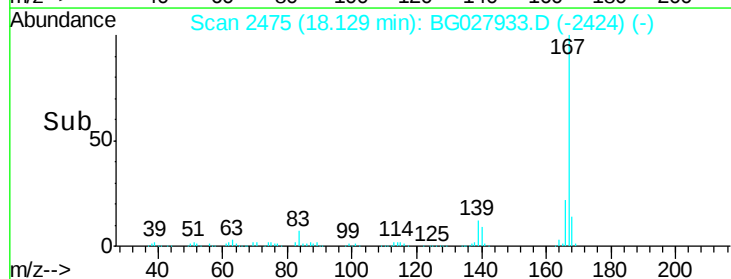
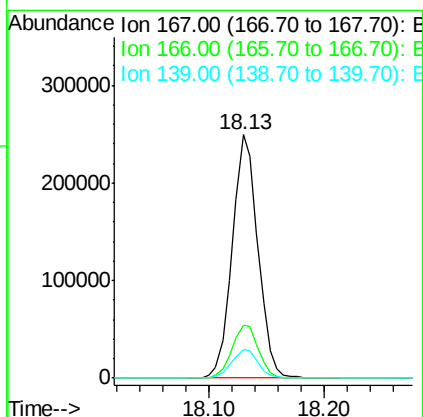
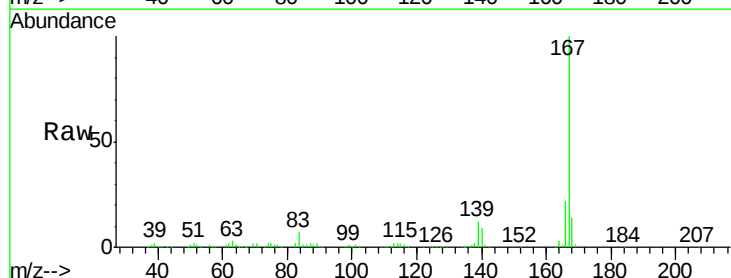
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

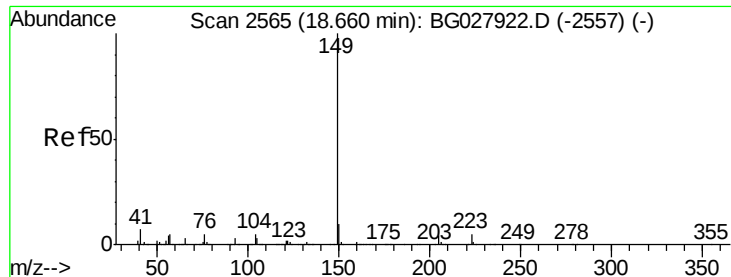
Tgt Ion:178 Resp: 419211
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.4 24.6
 179 17.1 13.8 20.8



#72
 Carbazole
 Concen: 20.216 ng
 RT: 18.13 min Scan# 2475
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Tgt Ion:167 Resp: 382765
 Ion Ratio Lower Upper
 167 100
 166 22.0 20.2 30.2
 139 11.6 12.8 19.2#

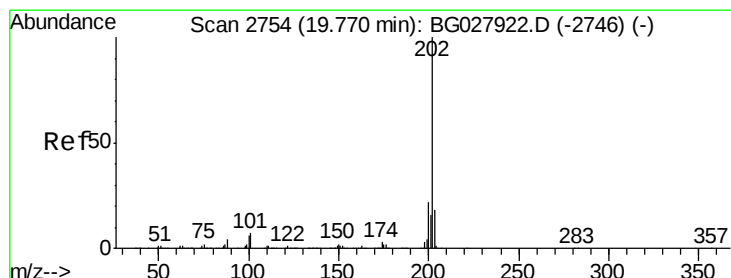
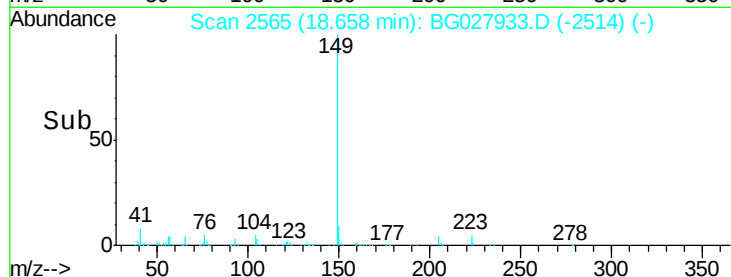
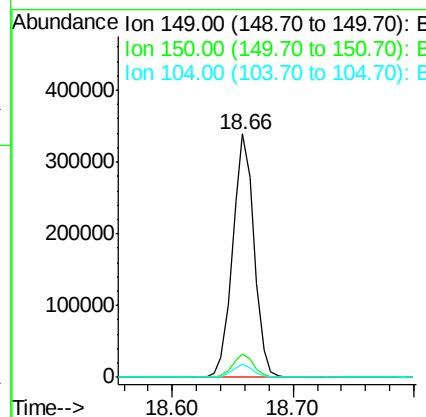
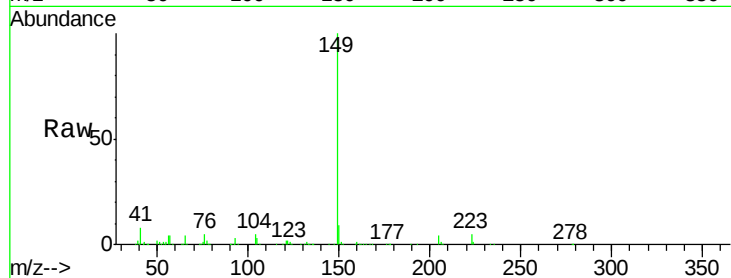




#73
Di-n-butylphthalate
Concen: 19.979 ng
RT: 18.66 min Scan# 2565
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

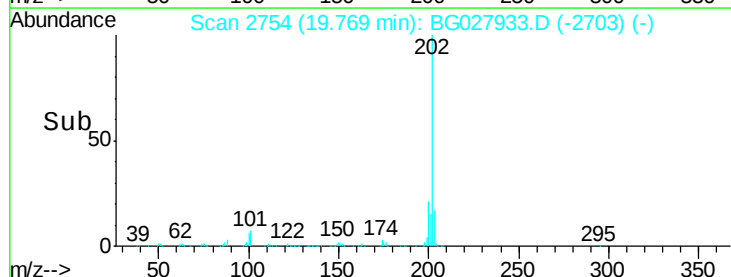
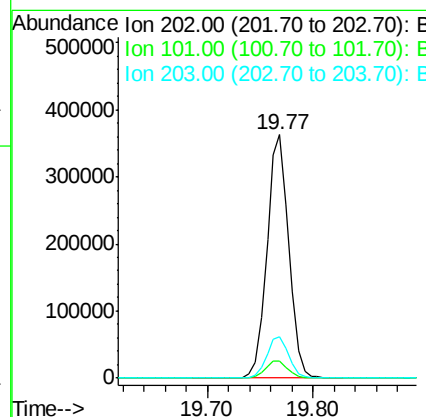
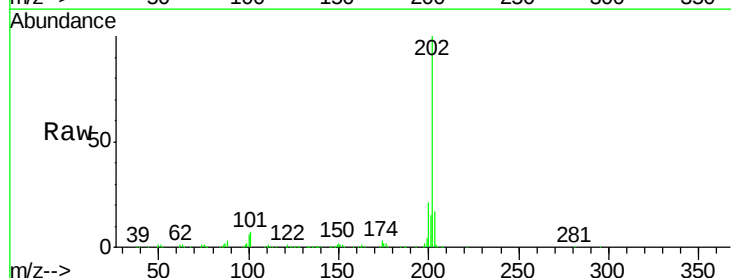
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2017

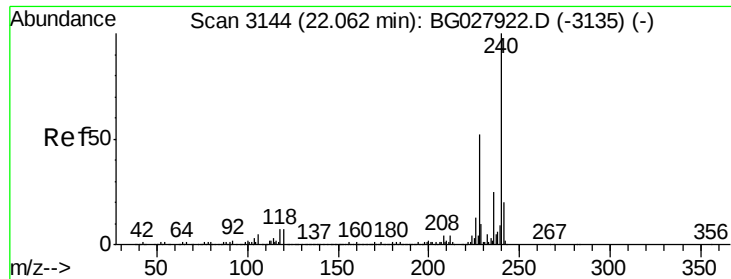
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	9.1	13.7
104	5.3	6.7	10.1



#74
Fluoranthene
Concen: 20.468 ng
RT: 19.77 min Scan# 2754
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.8	0.0	30.1
203	17.0	1.3	41.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.07 min Scan# 3145

Delta R.T. 0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

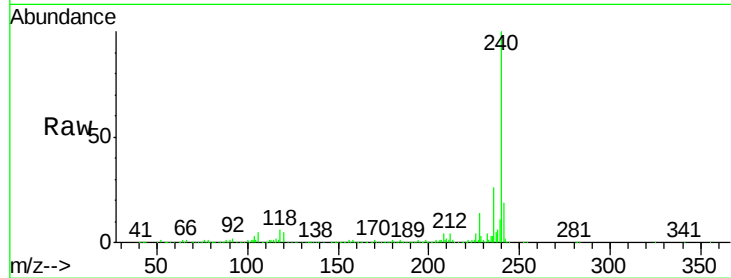
Tgt Ion:240 Resp: 499248

Ion Ratio Lower Upper

240 100

120 5.5 5.7 8.5#

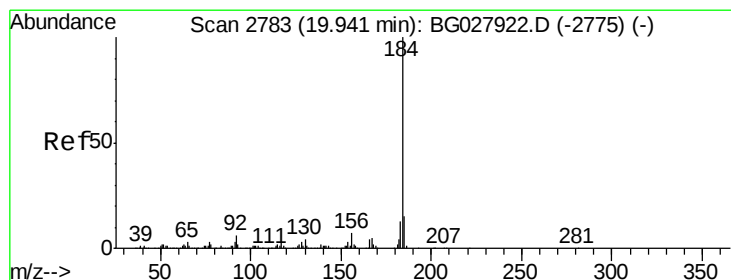
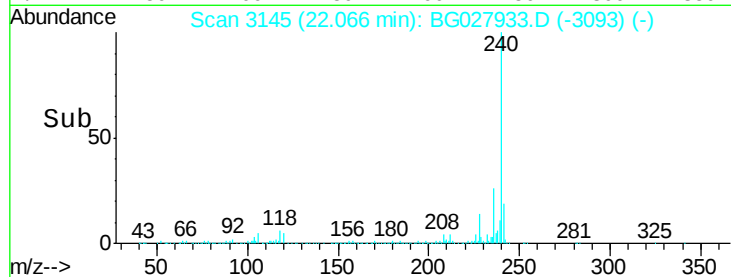
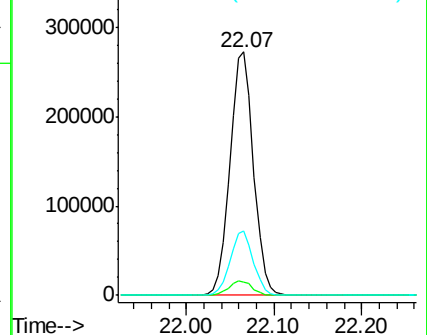
236 26.5 22.2 33.4



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



#76

Benzidine

Concen: 13.095 ng

RT: 19.94 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

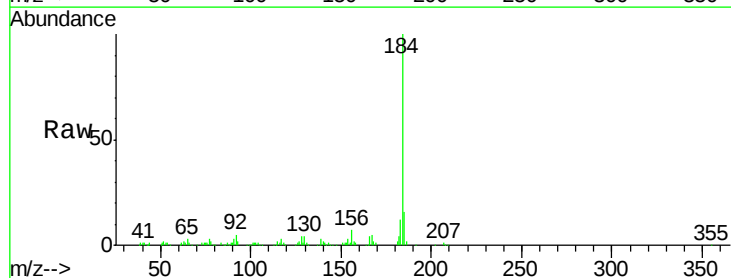
Tgt Ion:184 Resp: 152601

Ion Ratio Lower Upper

184 100

185 16.2 13.0 19.6

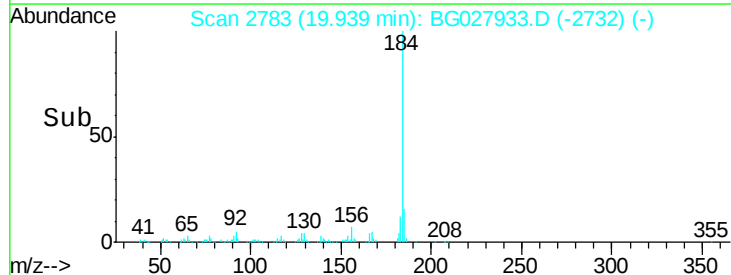
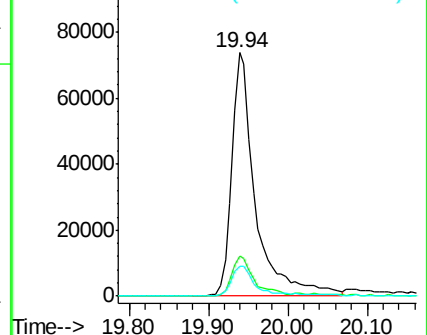
183 12.4 11.0 16.6

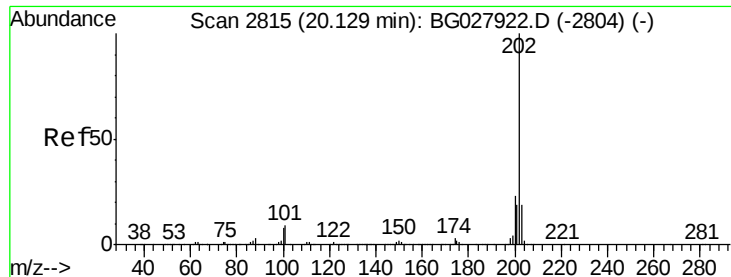


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 20.302 ng

RT: 20.13 min Scan# 2815

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

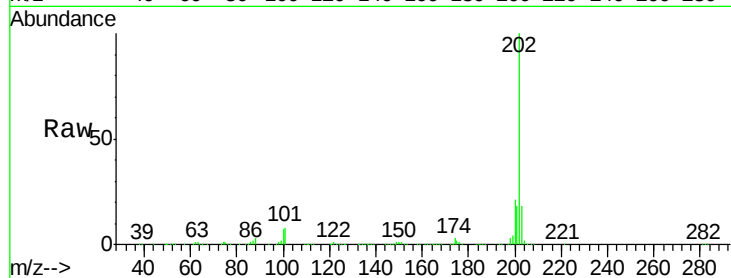
Tgt Ion:202 Resp: 541736

Ion Ratio Lower Upper

202 100

200 21.1 19.6 29.4

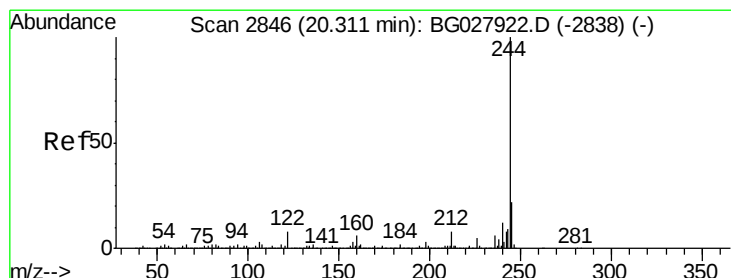
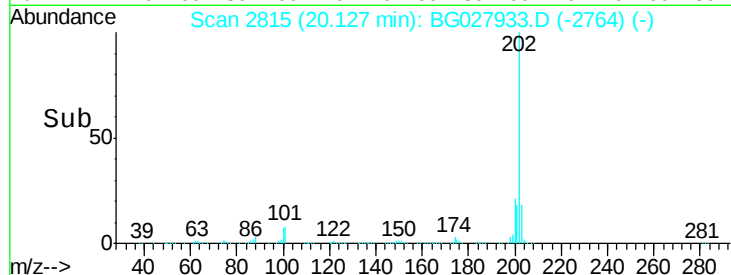
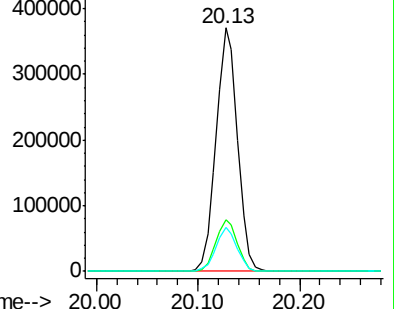
203 18.2 15.8 23.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 85.788 ng

RT: 20.31 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

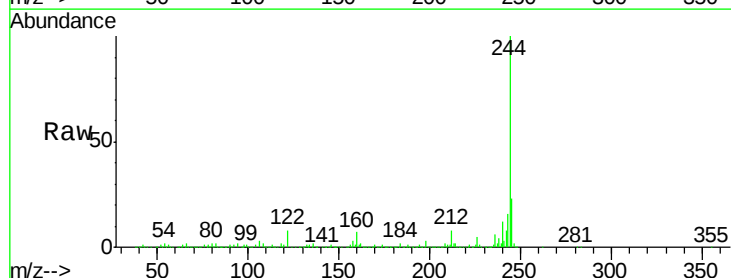
Tgt Ion:244 Resp: 1894234

Ion Ratio Lower Upper

244 100

212 8.0 10.0 15.0#

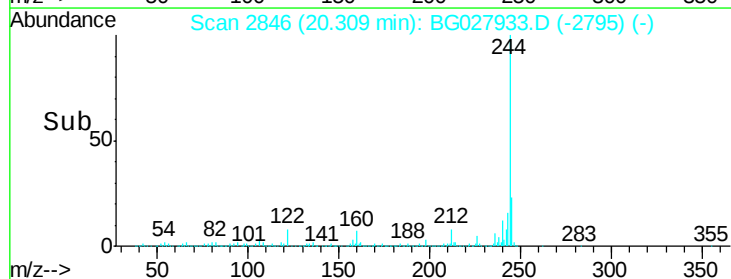
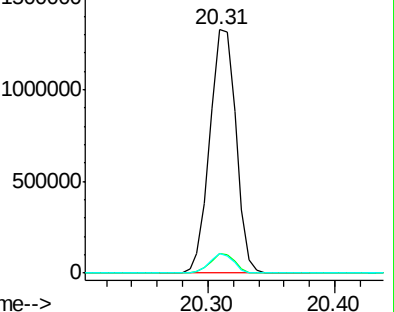
122 8.1 8.6 12.8#

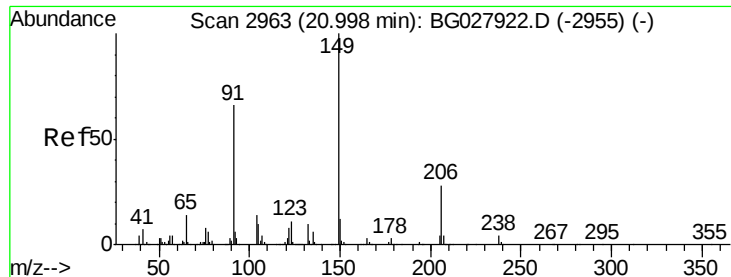


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

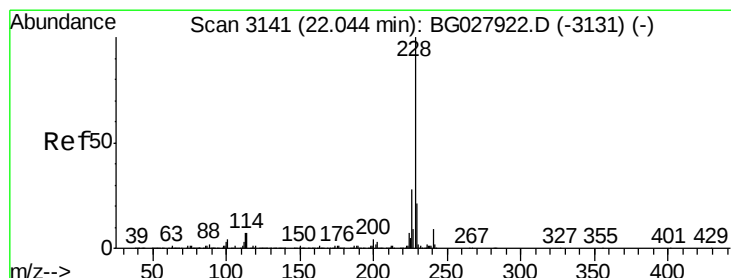
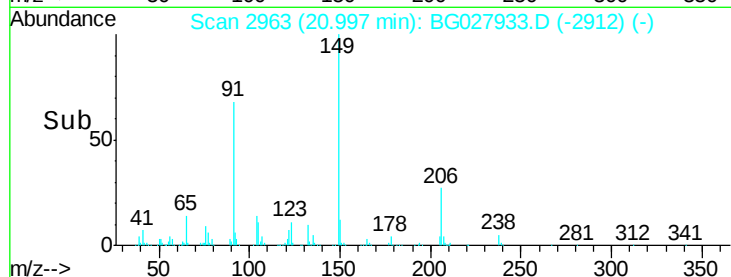
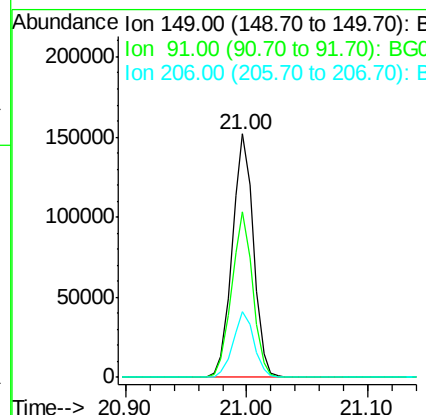
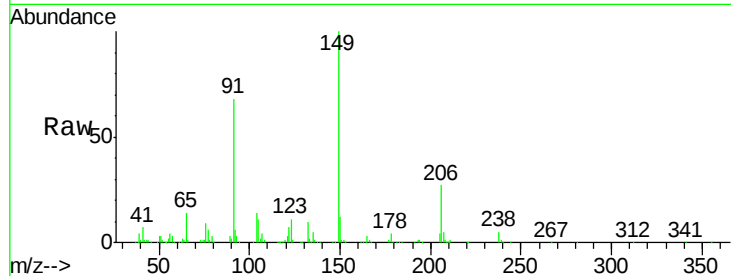




#79
Butylbenzylphthalate
Concen: 19.315 ng
RT: 21.00 min Scan# 2963
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

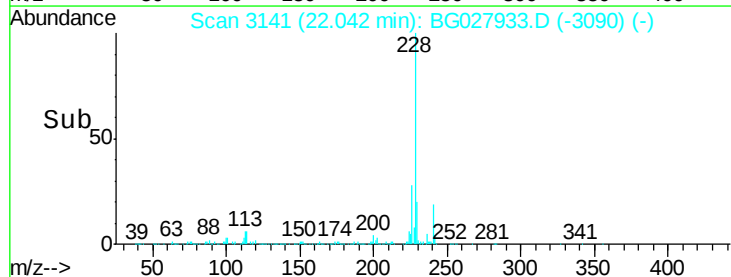
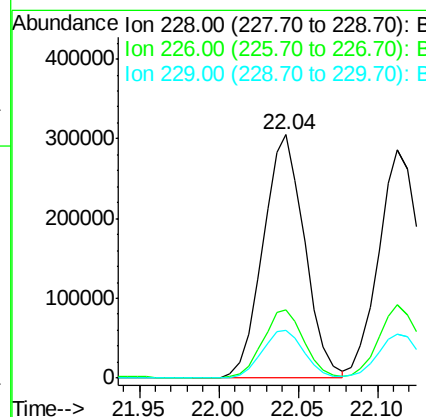
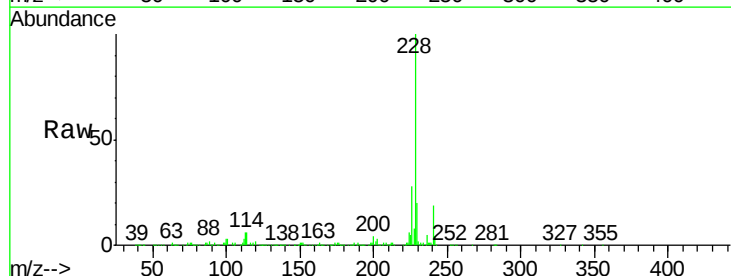
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2017

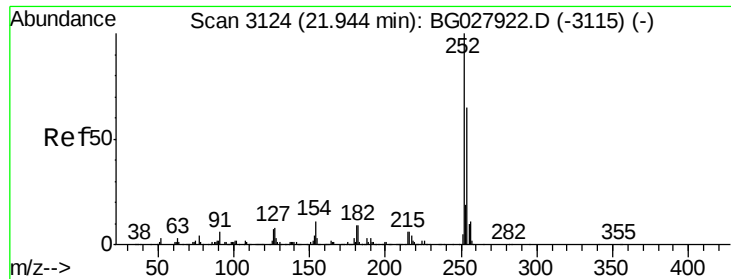
Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.2	63.5	95.3
206	27.2	21.0	31.6



#80
Benzo(a)anthracene
Concen: 20.170 ng
RT: 22.04 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG027933.D
Acq: 14 Jul 2017 20:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	24.9	37.3
229	19.6	18.2	27.2

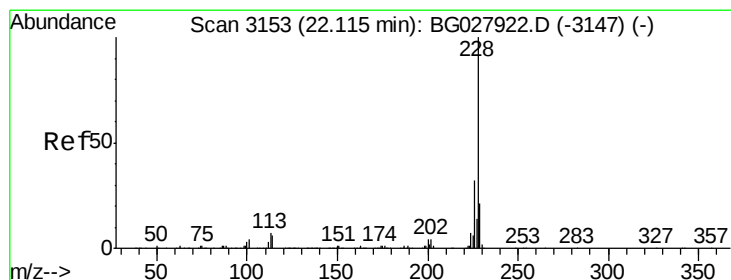
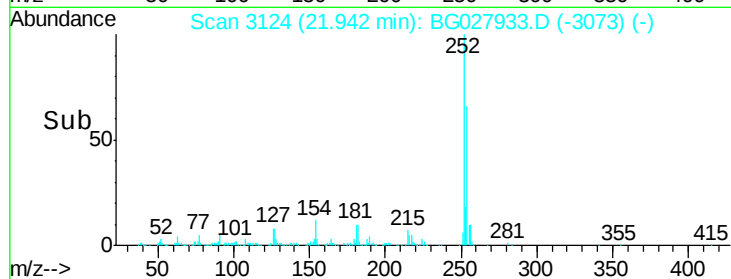
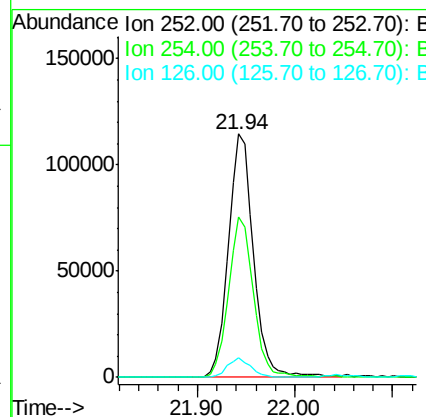
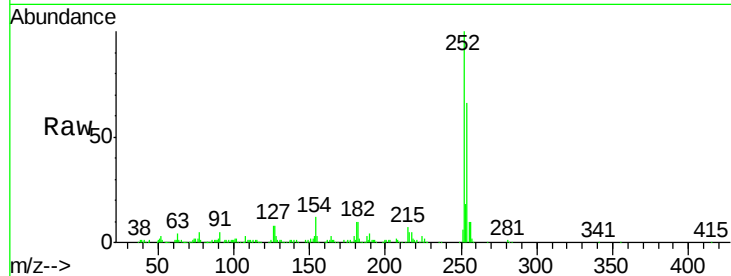




#81
 3,3'-Dichlorobenzidine
 Concen: 18.950 ng
 RT: 21.94 min Scan# 3124
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

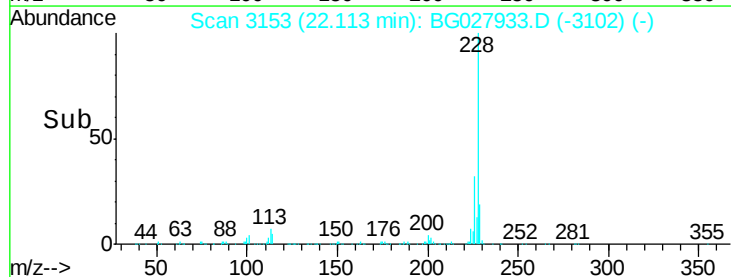
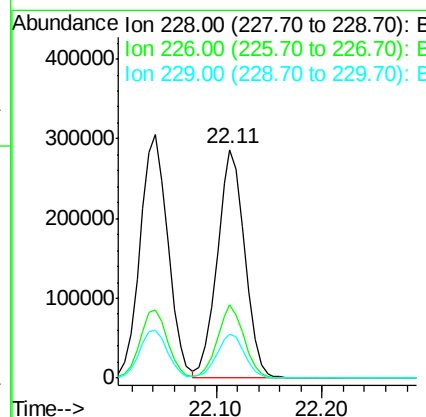
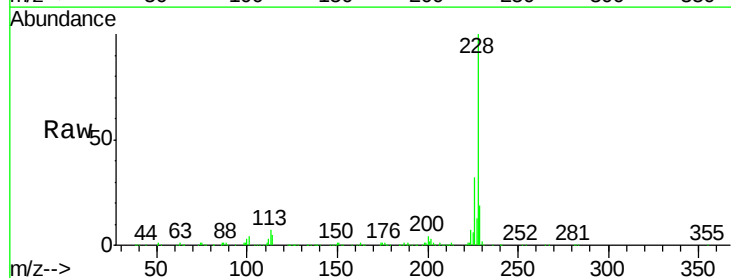
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

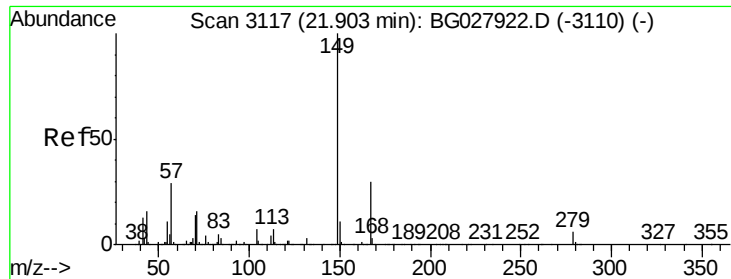
Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.0	53.1	79.7
126	8.0	7.0	10.4



#82
 Chrysene
 Concen: 19.744 ng
 RT: 22.11 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	27.0	40.4
229	19.4	17.8	26.6

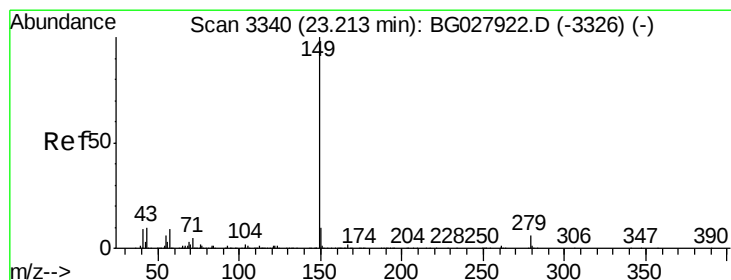
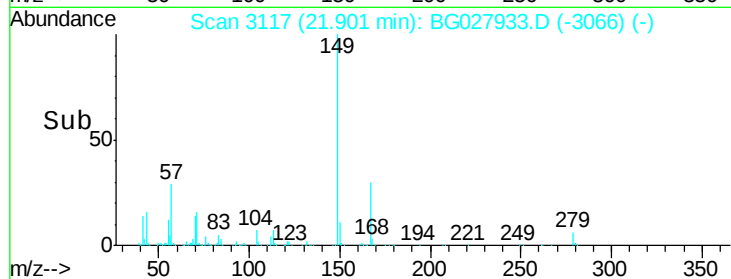
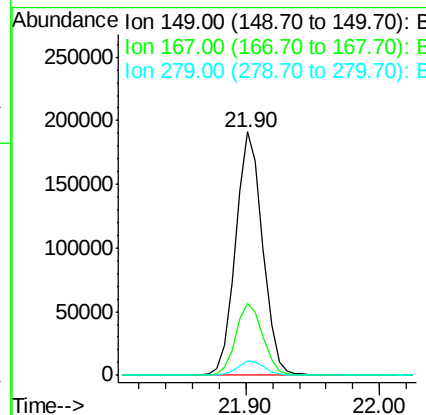
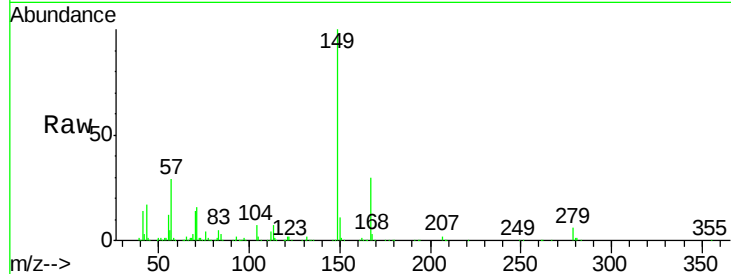




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 19.297 ng
 RT: 21.90 min Scan# 3117
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

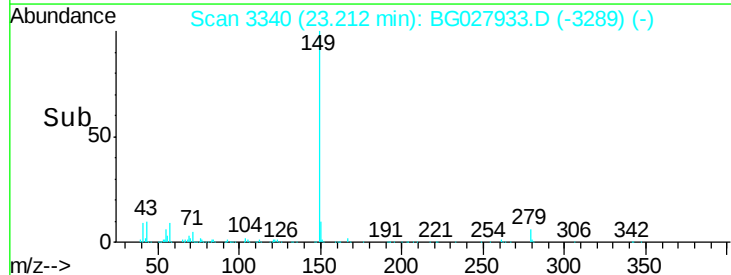
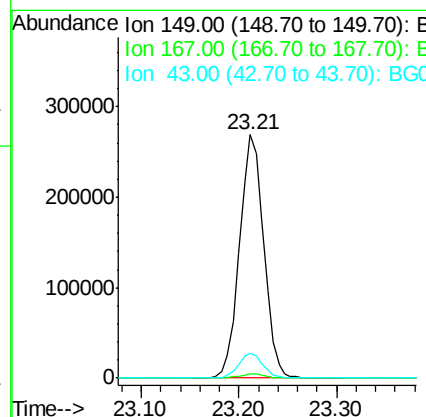
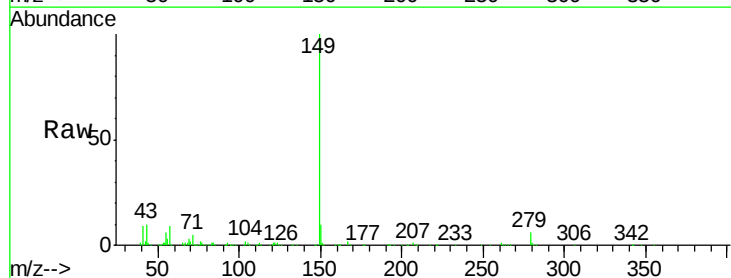
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

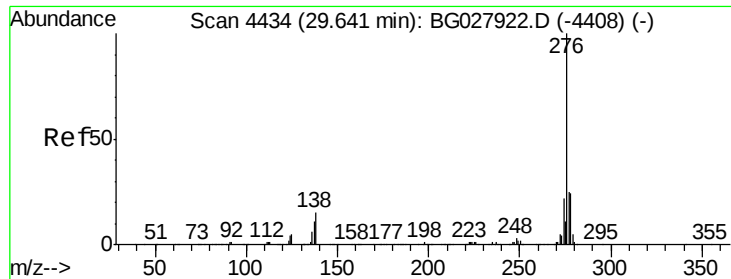
Tgt Ion:149 Resp: 269288
 Ion Ratio Lower Upper
 149 100
 167 29.7 23.7 35.5
 279 6.1 4.6 6.8



#84
 Di-n-octyl phthalate
 Concen: 19.425 ng
 RT: 23.21 min Scan# 3340
 Delta R.T. -0.00 min
 Lab File: BG027933.D
 Acq: 14 Jul 2017 20:20

Tgt Ion:149 Resp: 460160
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.4 2.2
 43 10.6 11.8 17.6#





#85

Indeno(1,2,3-cd)pyrene

Concen: 19.809 ng

RT: 29.62 min Scan# 4431

Delta R.T. -0.02 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

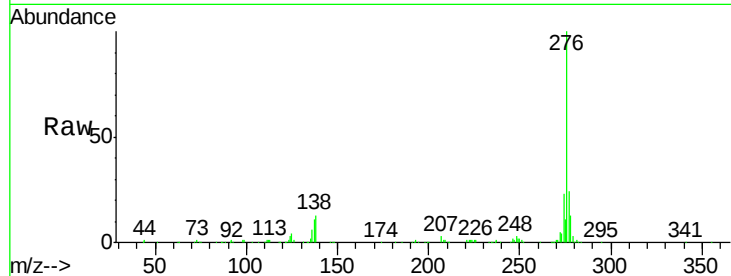
Tgt Ion:276 Resp: 601397

Ion Ratio Lower Upper

276 100

138 11.0 4.7 7.1#

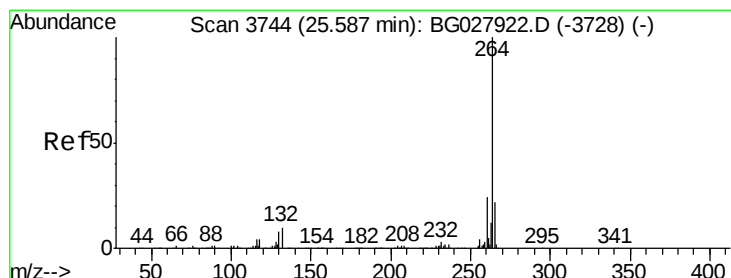
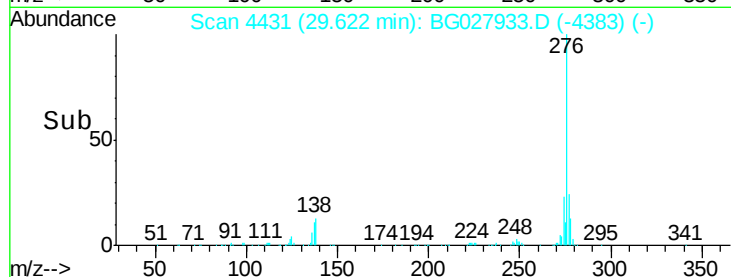
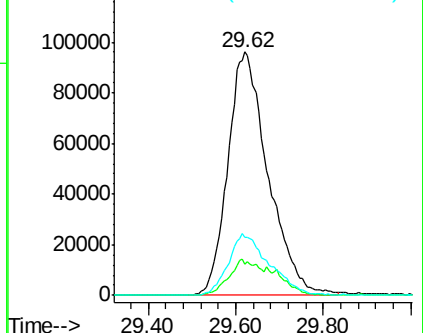
277 25.7 20.6 31.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.59 min Scan# 3744

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

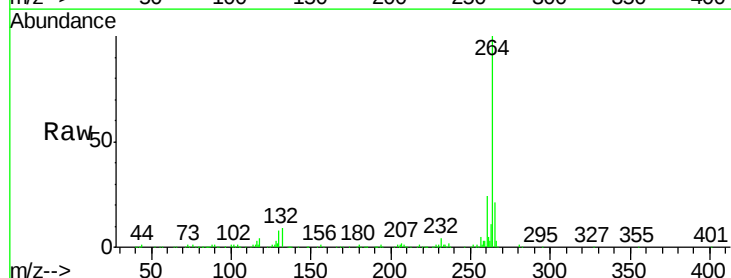
Tgt Ion:264 Resp: 458020

Ion Ratio Lower Upper

264 100

260 24.4 21.8 32.8

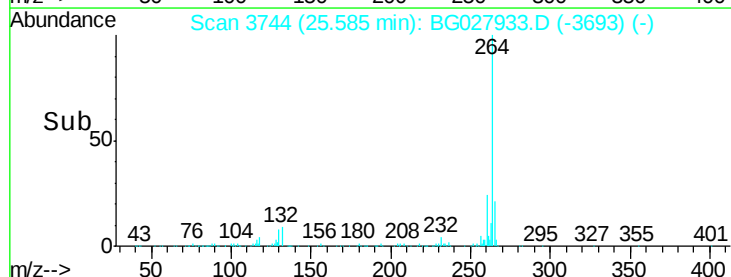
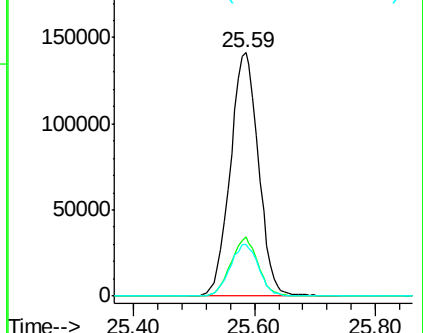
265 21.0 18.2 27.4

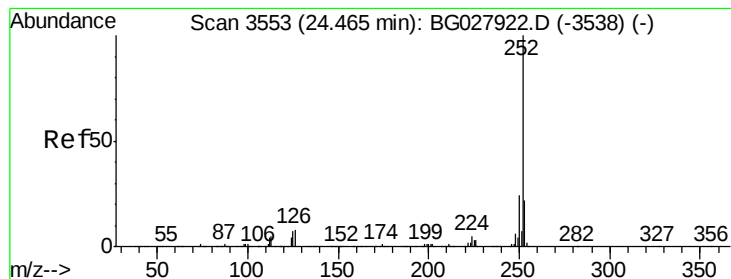


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 19.797 ng

RT: 24.46 min Scan# 3552

Delta R.T. -0.01 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

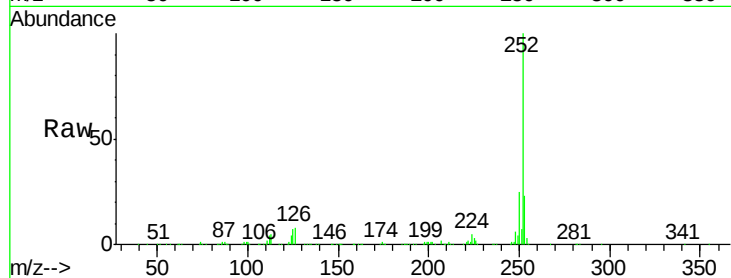
Tgt Ion:252 Resp: 529848

Ion Ratio Lower Upper

252 100

253 22.6 18.7 28.1

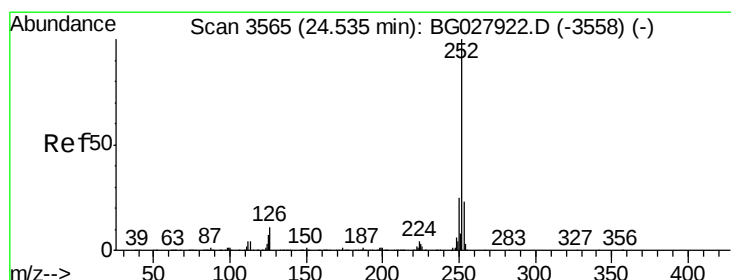
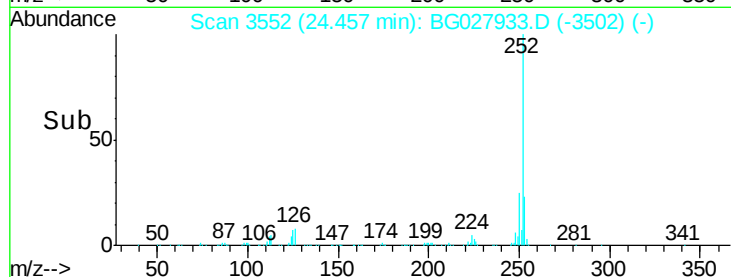
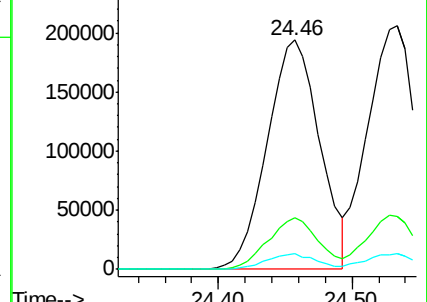
125 6.9 5.3 7.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 20.005 ng

RT: 24.53 min Scan# 3565

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

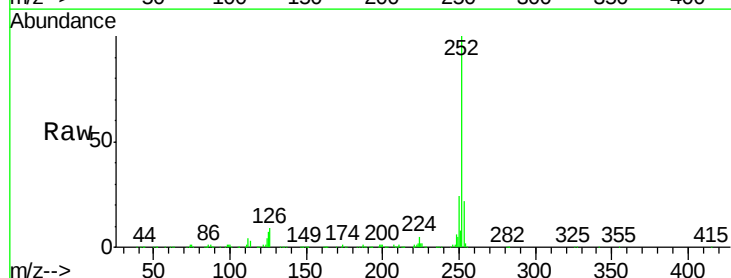
Tgt Ion:252 Resp: 535220

Ion Ratio Lower Upper

252 100

253 21.6 20.2 30.2

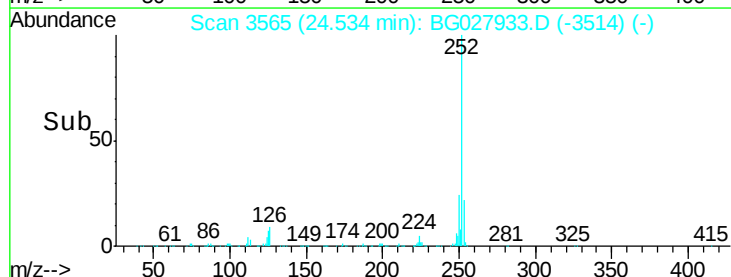
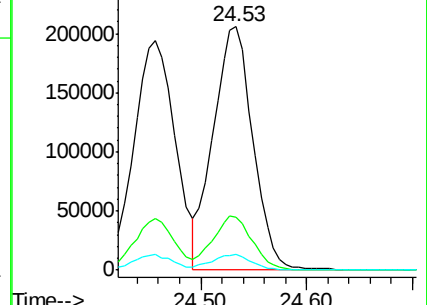
125 6.7 5.1 7.7

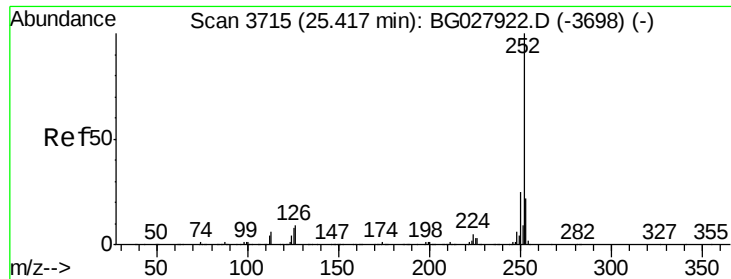


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 19.766 ng

RT: 25.41 min Scan# 3715

Delta R.T. -0.00 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017

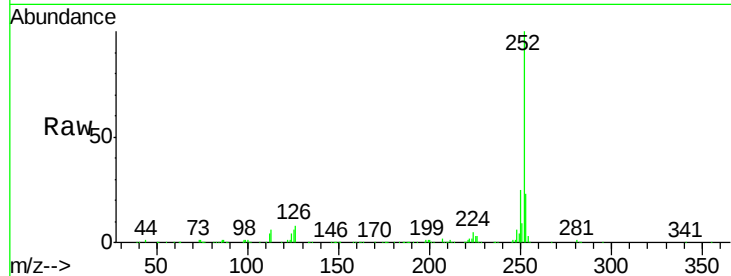
Tgt Ion:252 Resp: 498970

Ion Ratio Lower Upper

252 100

253 22.7 19.2 28.8

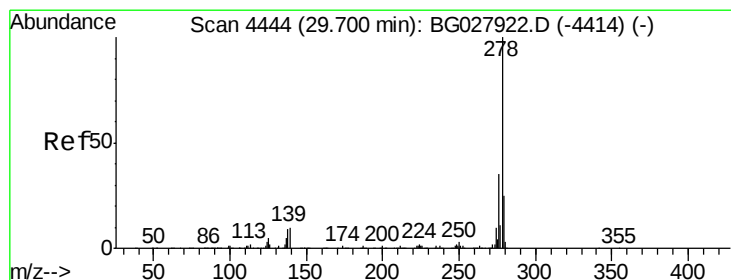
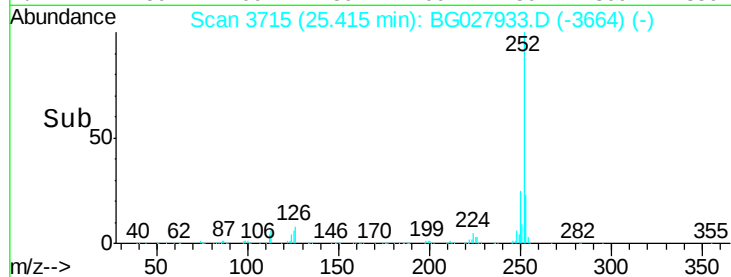
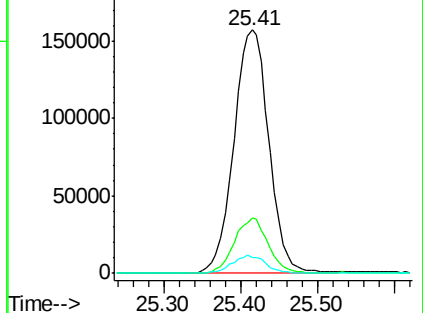
125 6.5 5.4 8.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 19.531 ng

RT: 29.69 min Scan# 4442

Delta R.T. -0.01 min

Lab File: BG027933.D

Acq: 14 Jul 2017 20:20

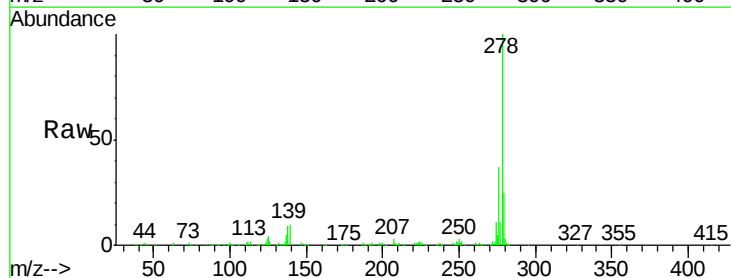
Tgt Ion:278 Resp: 497809

Ion Ratio Lower Upper

278 100

139 10.2 7.7 11.5

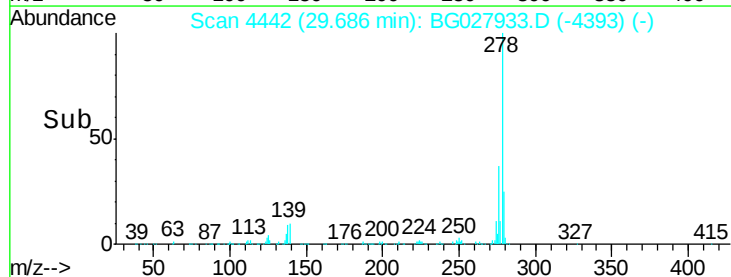
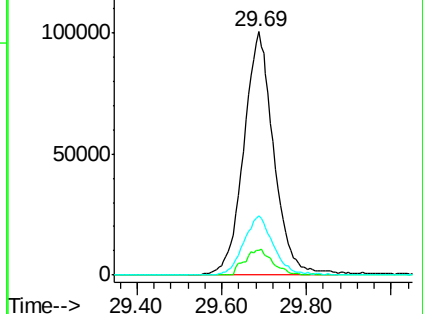
279 24.5 19.1 28.7

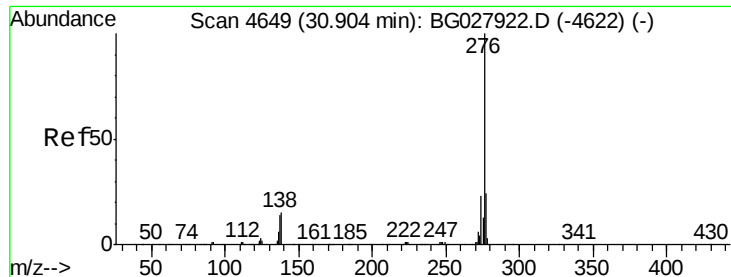


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 19.744 ng

RT: 30.88 min Scan# 4646

Delta R.T. -0.02 min

Lab File: BG027933.D

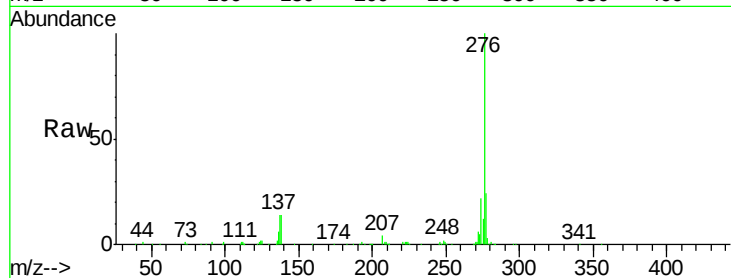
Acq: 14 Jul 2017 20:20

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2017



Tgt Ion:	276	Resp:	485000
Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	27.8
138	14.3	8.1	12.1

