

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032117\
 Data File : BG026363.D
 Acq On : 21 Mar 2017 18:04
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 5 PPB
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Quant Time: Mar 22 03:35:57 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 17:43:27 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	118235	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	515509	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	299400	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	716958	20.00	ng	0.00
75) Chrysene-d12	21.63	240	883394	20.00	ng	0.00
86) Perylene-d12	24.81	264	854457	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	895630	134.45	ng	0.00
7) Phenol-d6	7.20	99	1147865	128.35	ng	0.00
23) Nitrobenzene-d5	9.20	82	699438	81.58	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	490710	143.12	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	1902142	89.10	ng	0.00
78) Terphenyl-d14	19.98	244	2690368	73.96	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.51	88	17196	5.75	ng	# 66
3) Pyridine	3.91	79	41843	5.11	ng	# 65
4) n-Nitrosodimethylamine	3.82	42	9909	4.43	ng	# 1
6) Aniline	7.37	93	60317	5.05	ng	# 86
8) 2-Chlorophenol	7.61	128	39259	5.23	ng	# 80
9) Benzaldehyde	7.19	77	32518	5.39	ng	# 69
10) Phenol	7.23	94	47274	4.95	ng	# 69
11) bis(2-Chloroethyl)ether	7.46	93	41880	5.35	ng	# 79
12) 1,3-Dichlorobenzene	7.94	146	49964	5.60	ng	# 85
13) 1,4-Dichlorobenzene	8.08	146	49514	5.48	ng	# 92
14) 1,2-Dichlorobenzene	8.40	146	48542	5.62	ng	# 88
15) Benzyl Alcohol	8.28	79	26461	4.51	ng	# 77
16) 2,2'-oxybis(1-Chloropropan	8.57	45	40771	4.69	ng	# 82
17) 2-Methylphenol	8.48	107	34105	5.03	ng	# 82
18) Hexachloroethane	9.13	117	15606	5.28	ng	# 98
19) n-Nitroso-di-n-propylamine	8.84	70	27411	4.77	ng	# 66
20) 3+4-Methylphenols	8.81	107	46710	5.01	ng	# 84
22) Acetophenone	8.87	105	60146	5.07	ng	# 74
24) Nitrobenzene	9.24	77	40980	4.84	ng	# 79
25) Isophorone	9.77	82	79578	4.92	ng	# 88
26) 2-Nitrophenol	9.96	139	20904	4.75	ng	# 65
27) 2,4-Dimethylphenol	10.01	122	36073	4.99	ng	# 85
28) bis(2-Chloroethoxy)methane	10.25	93	53301	5.08	ng	# 96
29) 2,4-Dichlorophenol	10.49	162	37238	5.09	ng	# 92
30) 1,2,4-Trichlorobenzene	10.71	180	45300	5.52	ng	# 98
31) Naphthalene	10.90	128	141584	5.43	ng	# 97
32) Benzoic acid	10.08	122	11985	2.15	ng	# 60
33) 4-Chloroaniline	11.01	127	52320	4.94	ng	# 81
34) Hexachlorobutadiene	11.18	225	25787	5.32	ng	# 98
35) Caprolactam	11.75	113	12918	4.48	ng	# 39
36) 4-Chloro-3-methylphenol	12.12	107	37280	4.77	ng	# 80
37) 2-Methylnaphthalene	12.49	142	102852	5.39	ng	# 90
39) 1,2,4,5-Tetrachlorobenzene	12.86	216	50914	5.65	ng	# 97
40) Hexachlorocyclopentadiene	12.84	237	18124	3.82	ng	# 93

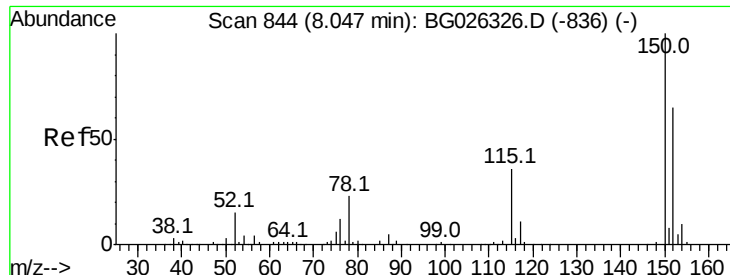
Data Path : Z:\HPCHEM1\BNA G\DATA\BG032117\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.09	196	28234	4.79	nq	97
43) 2,4,5-Trichlorophenol	13.17	196	33350	5.12	nq	# 88
45) 1,1'-Biphenyl	13.49	154	139330	5.62	nq	95
46) 2-Chloronaphthalene	13.54	162	97919	5.41	nq	93
47) 2-Nitroaniline	13.73	65	20876	4.05	nq	# 69
48) Acenaphthylene	14.38	152	169247	5.36	nq	97
49) Dimethylphthalate	14.10	163	122377	5.42	nq	96
50) 2,6-Dinitrotoluene	14.22	165	26600	5.04	nq	# 60
51) Acenaphthene	14.71	154	102498	5.27	nq	96
52) 3-Nitroaniline	14.55	138	26020	4.48	nq	# 72
53) 2,4-Dinitrophenol	14.77	184	4808	1.57	nq	# 68
54) Dibenzofuran	15.05	168	150881	5.51	nq	# 87
55) 4-Nitrophenol	14.86	139	19064	4.01	nq	# 35
56) 2,4-Dinitrotoluene	15.01	165	34160	4.60	nq	# 74
57) Fluorene	15.69	166	137092	5.63	nq	98
58) 2,3,4,6-Tetrachlorophenol	15.28	232	30197	5.31	nq	98
59) Diethylphthalate	15.45	149	116458	5.04	nq	99
60) 4-Chlorophenyl-phenylether	15.68	204	63656	5.51	nq	90
61) 4-Nitroaniline	15.71	138	26694	4.35	nq	# 53
62) Azobenzene	15.98	77	91235	4.86	nq	79
64) 4,6-Dinitro-2-methylphenol	15.77	198	18202	4.03	nq	86
65) n-Nitrosodiphenylamine	15.89	169	111012	5.28	nq	97
66) 4-Bromophenyl-phenylether	16.57	248	40063	5.43	nq	95
67) Hexachlorobenzene	16.70	284	43015	5.46	nq	# 90
68) Atrazine	16.83	200	39105	4.91	nq	96
69) Pentachlorophenol	17.04	266	22999	4.49	nq	93
70) Phenanthrene	17.52	178	215535	5.60	nq	93
71) Anthracene	17.52	178	215535	5.49	nq	96
72) Carbazole	17.78	167	222125	5.49	nq	# 95
73) Di-n-butylphthalate	18.33	149	207199	4.99	nq	# 92
74) Fluoranthene	19.42	202	258884	5.72	nq	94
76) Benzidine	19.60	184	130959	4.30	nq	96
77) Pyrene	19.79	202	273224	5.34	nq	95
79) Butylbenzylphthalate	20.66	149	93104	4.55	nq	# 81
80) Benzo(a)anthracene	21.61	228	277351	5.58	nq	94
81) 3,3'-Dichlorobenzidine	21.52	252	100127	4.92	nq	# 96
82) Chrysene	21.67	228	264935	5.58	nq	95
83) Bis(2-ethylhexyl)phthalate	21.51	149	143750	4.65	nq	# 99
84) Di-n-octyl phthalate	22.70	149	251557	4.77	nq	# 83
85) Indeno(1,2,3-cd)pyrene	28.43	276	300600	5.13	nq	# 88
87) Benzo(b)fluoranthene	23.80	252	267484	5.31	nq	# 95
88) Benzo(k)fluoranthene	23.87	252	269719	5.52	nq	# 93
89) Benzo(a)pyrene	24.65	252	257403	5.33	nq	# 93
90) Dibenzo(a,h)anthracene	28.48	278	258862	5.30	nq	# 94
91) Benzo(g,h,i)perylene	29.55	276	260825	5.30	nq	# 86

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

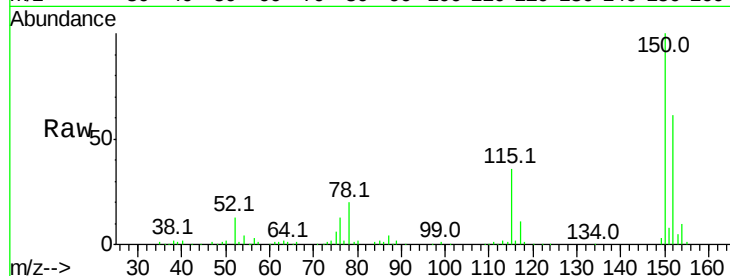


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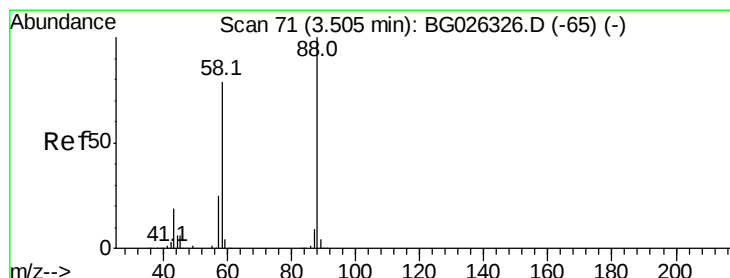
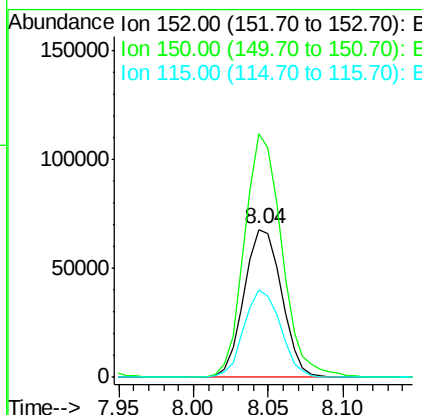
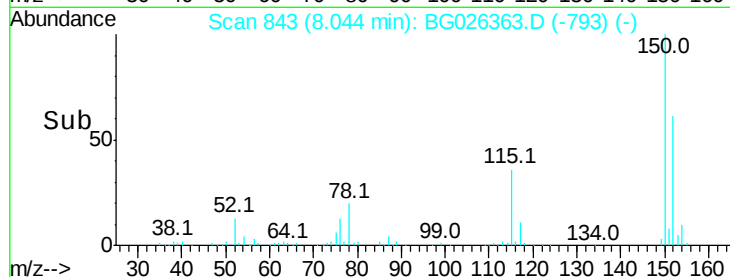
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:152 Resp: 118235
Ion Ratio Lower Upper
152 100
150 164.9 114.0 171.0
115 59.2 48.1 72.1



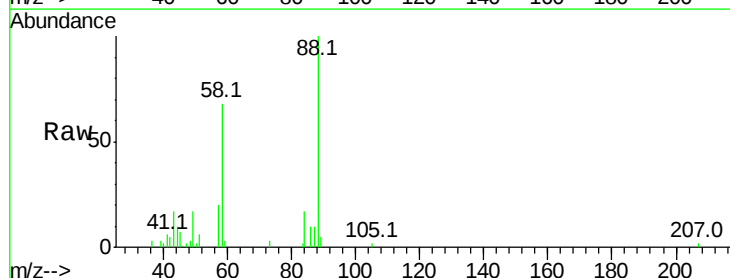
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



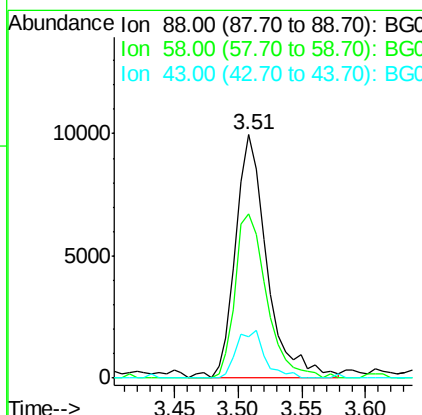
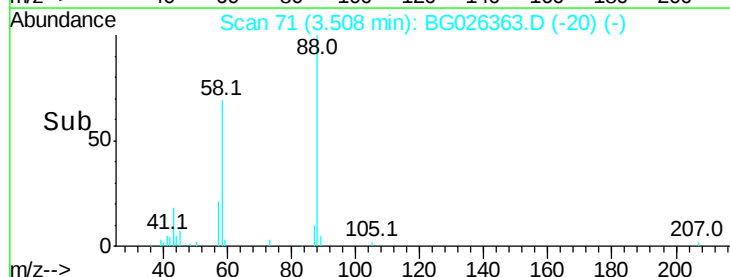
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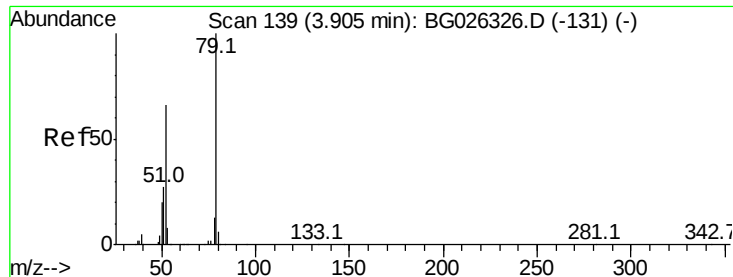
1,4-Dioxane
Concen: 5.75 ng
RT: 3.51 min Scan# 71
Delta R.T. 0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion: 88 Resp: 17196
Ion Ratio Lower Upper
88 100
58 67.4 79.4 119.2#
43 17.4 33.8 50.6#



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





#3

Pvridine

Concen: 5.11 ng

RT: 3.91 min Scan# 140

Delta R.T. 0.01 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

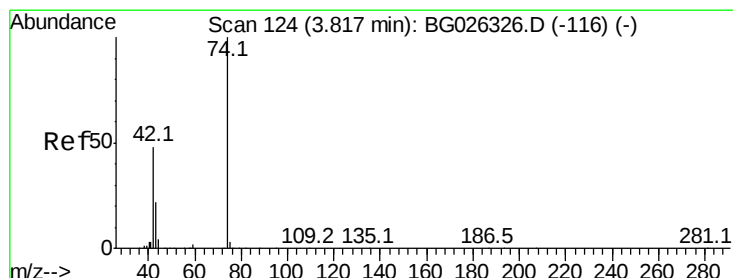
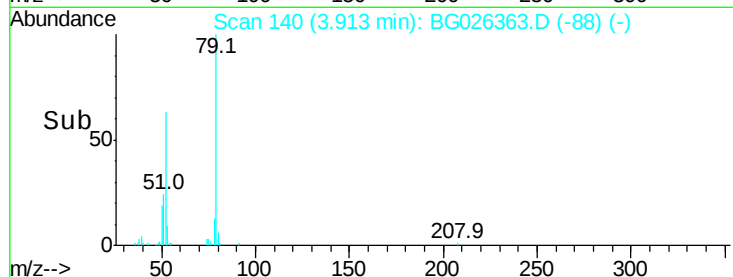
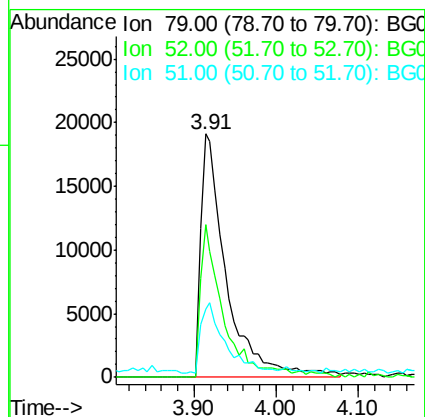
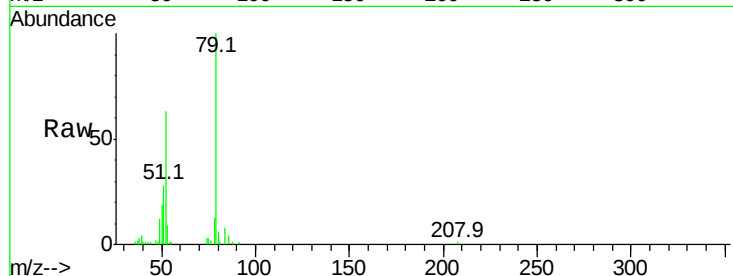
Tot Ion: 79 Resp: 41843

Ion Ratio Lower Upper

79 100

52 62.8 77.8 116.6#

51 28.1 43.2 64.8#



#4

n-Nitrosodimethylamine

Concen: 4.43 ng

RT: 3.82 min Scan# 124

Delta R.T. 0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

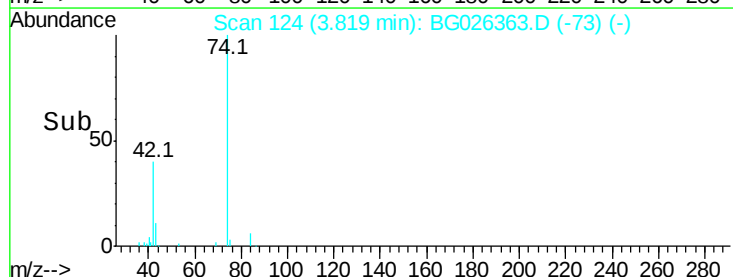
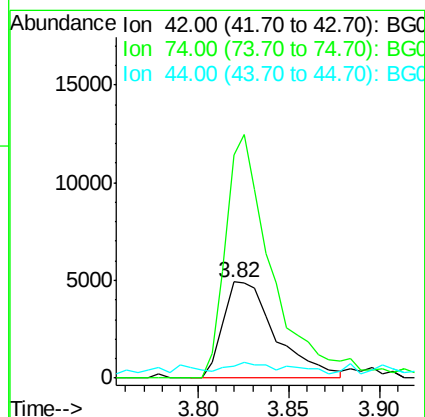
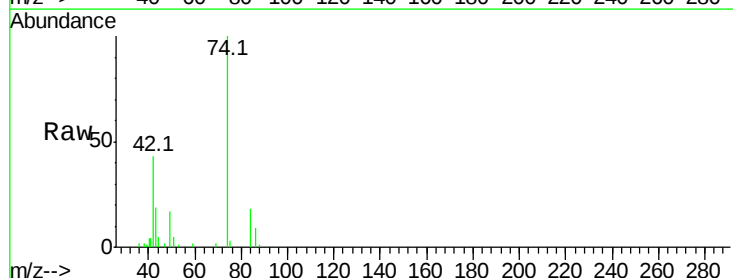
Tgt Ion: 42 Resp: 9909

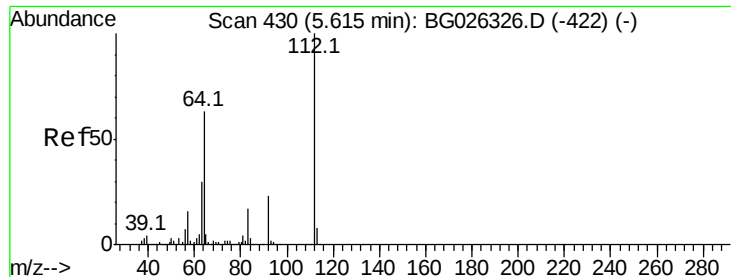
Ion Ratio Lower Upper

42 100

74 231.9 76.7 115.1#

44 11.9 6.1 9.1#





#5

2-Fluorophenol

Concen: 134.45 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

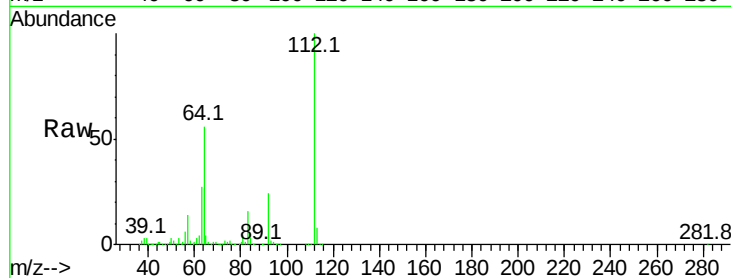
Tot Ion:112 Resp: 895630

Ion Ratio Lower Upper

112 100

64 55.6 61.8 92.6#

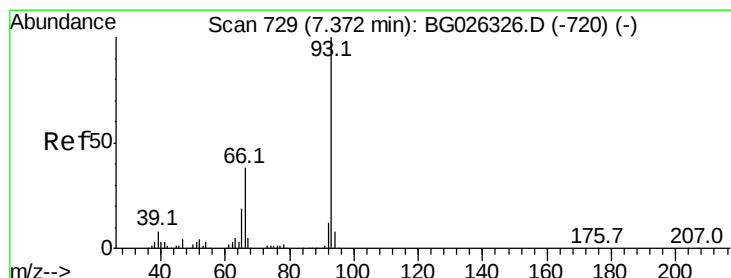
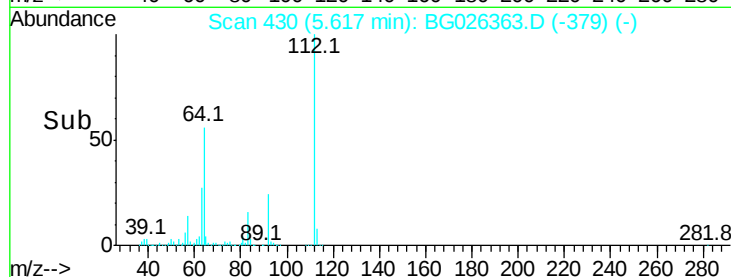
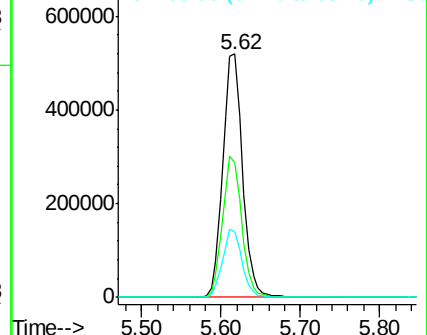
63 27.1 37.2 55.8#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 5.05 ng

RT: 7.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

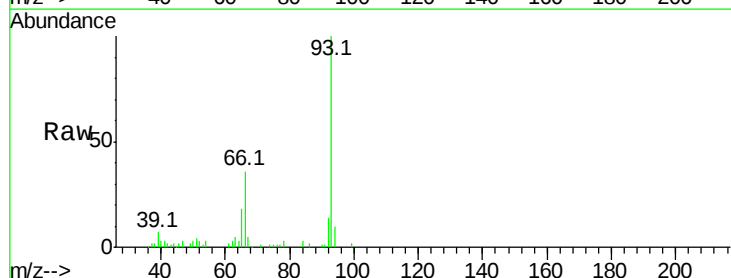
Tgt Ion: 93 Resp: 60317

Ion Ratio Lower Upper

93 100

66 35.6 35.4 53.2

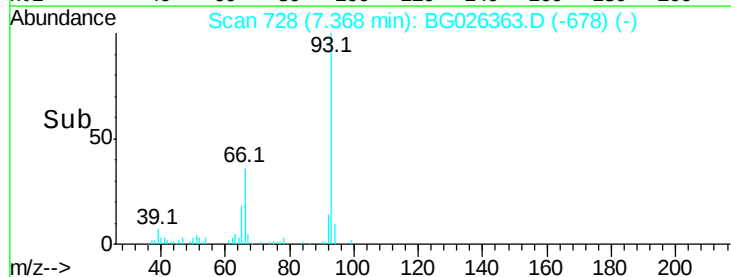
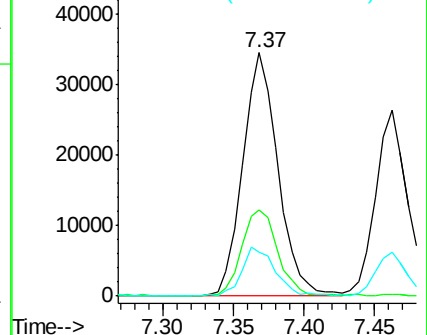
65 18.2 21.2 31.8#



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: 128.35 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

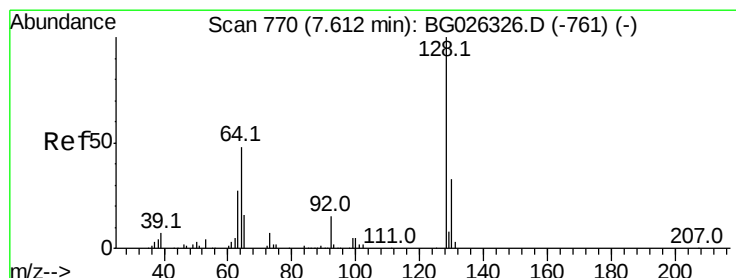
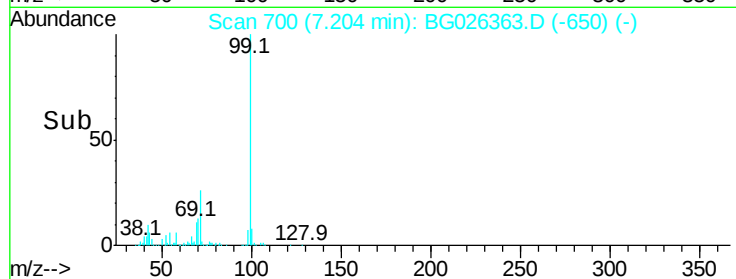
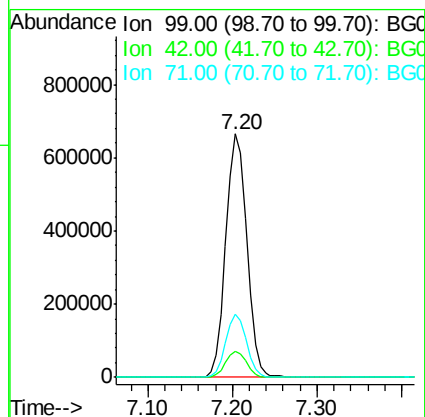
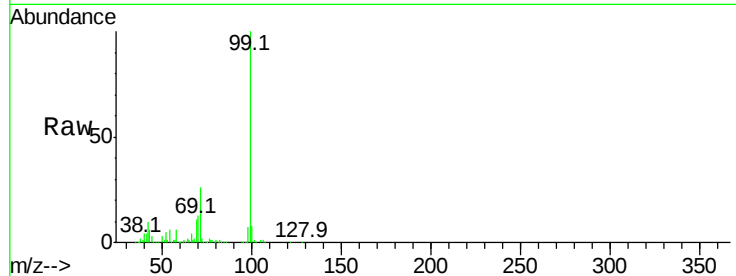
BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion: 99 Resp: 1147865

Ion	Ratio	Lower	Upper
99	100		
42	10.5	20.5	30.7#
71	26.1	37.6	56.4#



#8

2-Chlorophenol

Concen: 5.23 ng

RT: 7.61 min Scan# 769

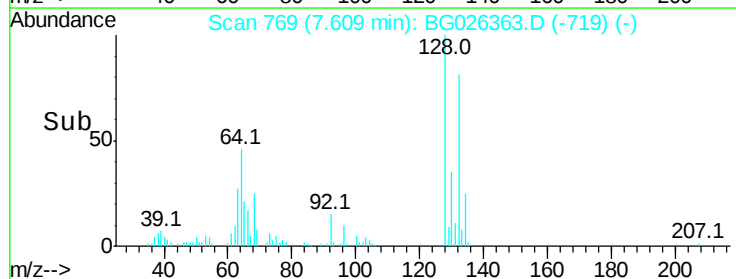
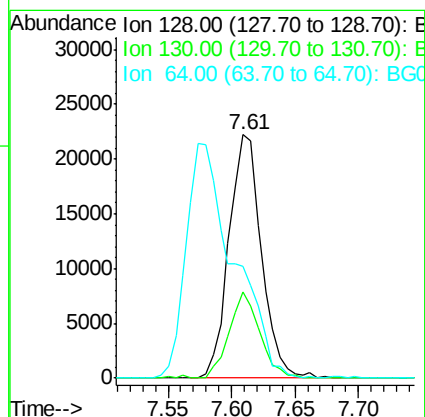
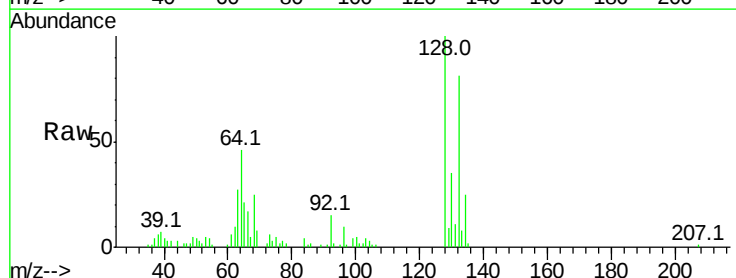
Delta R.T. -0.00 min

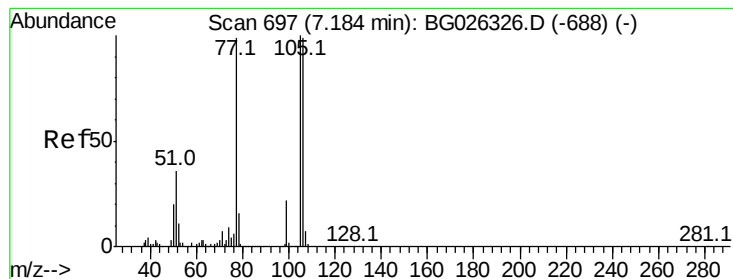
Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Tgt Ion: 128 Resp: 39259

Ion	Ratio	Lower	Upper
128	100		
130	35.3	11.4	51.4
64	45.7	46.6	86.6#





#9

Benzaldehyde

Concen: 5.39 ng

RT: 7.19 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

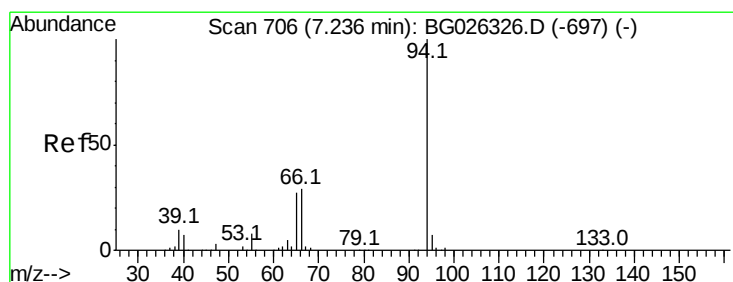
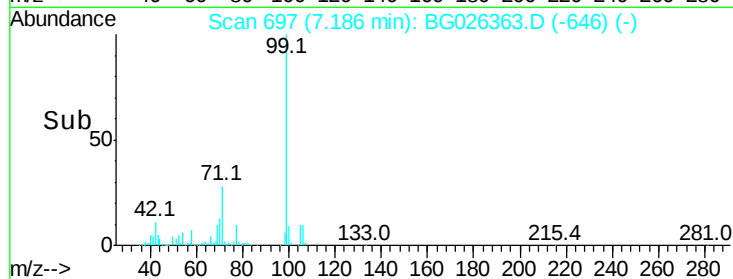
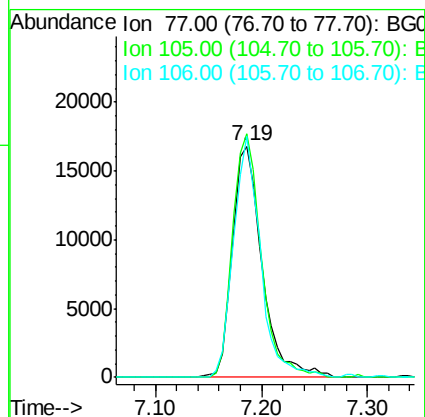
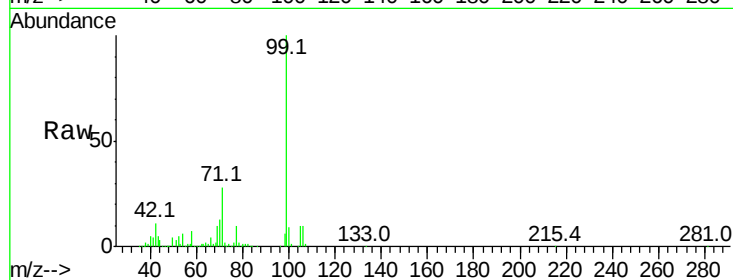
Tot Ion: 77 Resp: 32518

Ion Ratio Lower Upper

77 100

105 105.3 60.9 100.9#

106 104.1 55.1 95.1#



#10

Phenol

Concen: 4.95 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

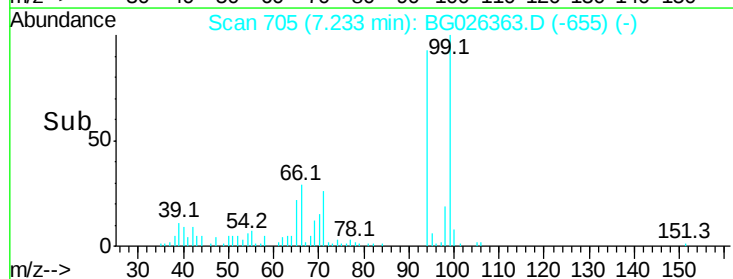
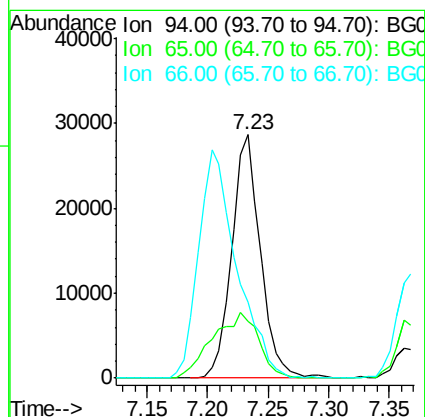
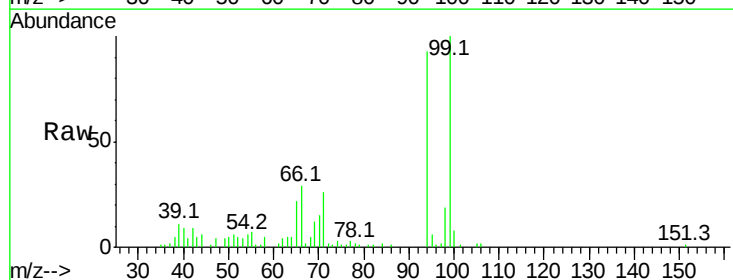
Tgt Ion: 94 Resp: 47274

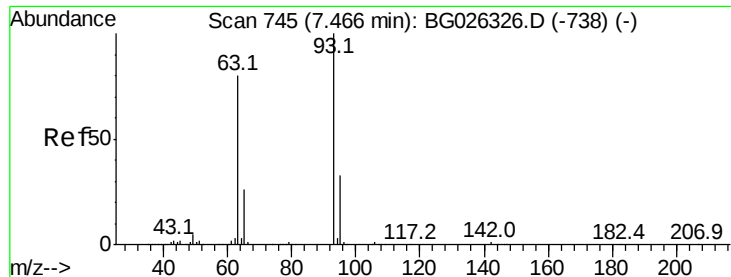
Ion Ratio Lower Upper

94 100

65 23.3 20.6 60.6

66 31.3 35.5 75.5#





#11

bis(2-Chloroethyl)ether

Concen: 5.35 ng

RT: 7.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

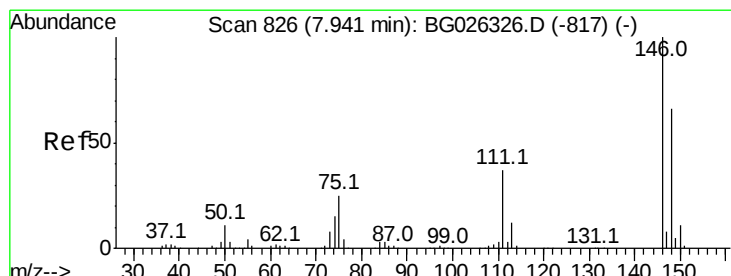
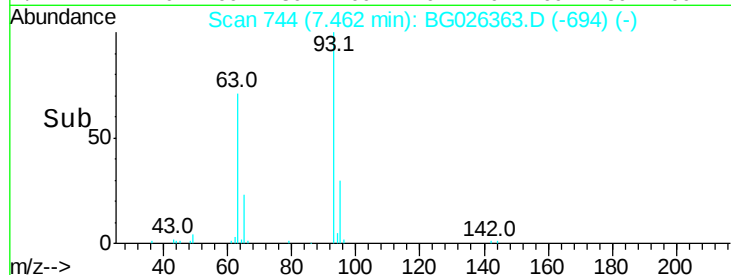
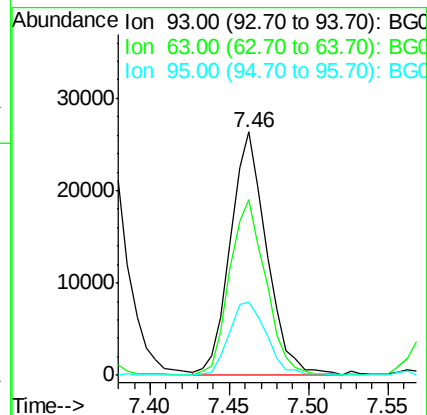
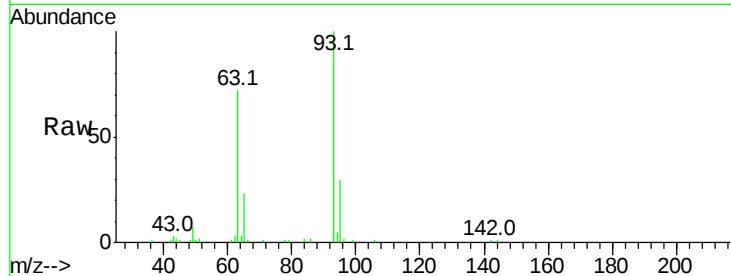
Tot Ion: 93 Resp: 41880

Ion Ratio Lower Upper

93 100

63 72.1 78.5 118.5#

95 30.2 9.8 49.8



#12

1,3-Dichlorobenzene

Concen: 5.60 ng

RT: 7.94 min Scan# 825

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

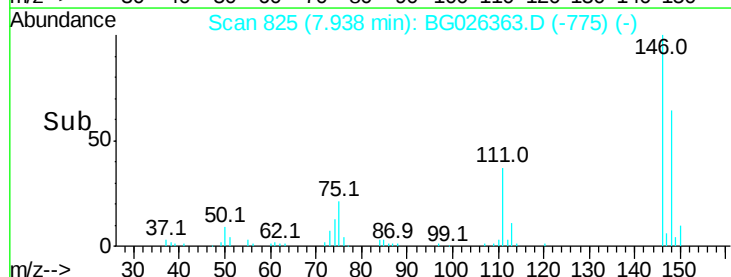
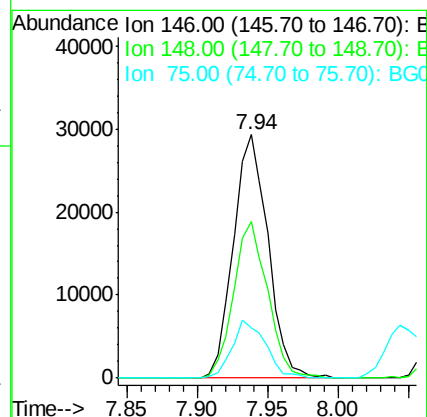
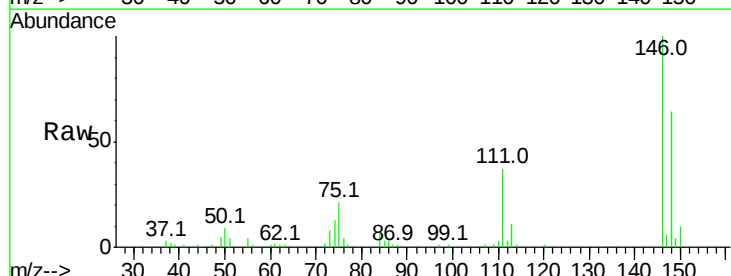
Tgt Ion: 146 Resp: 49964

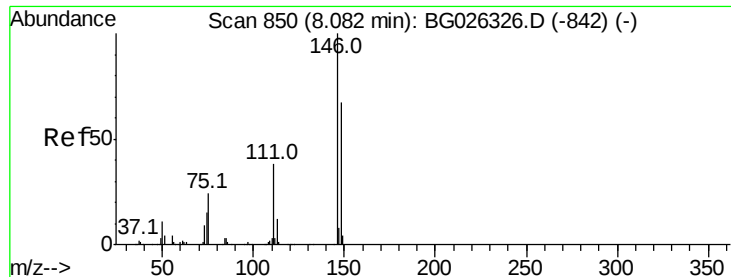
Ion Ratio Lower Upper

146 100

148 64.1 49.2 73.8

75 20.9 33.4 50.2#

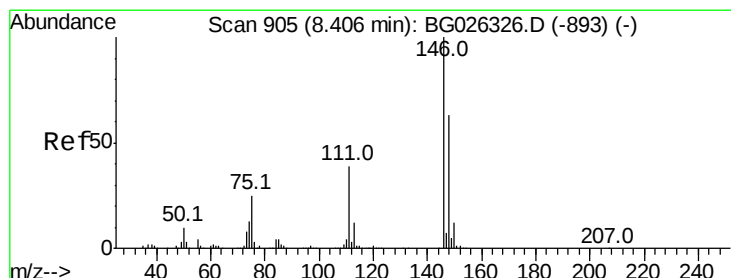
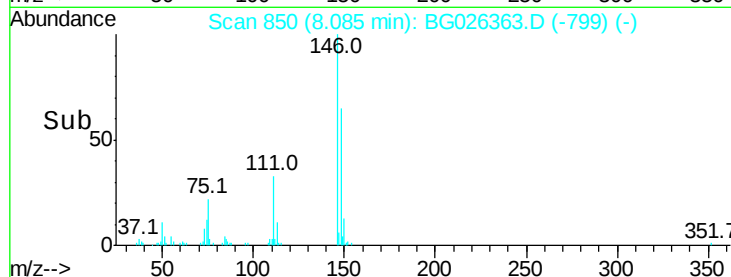
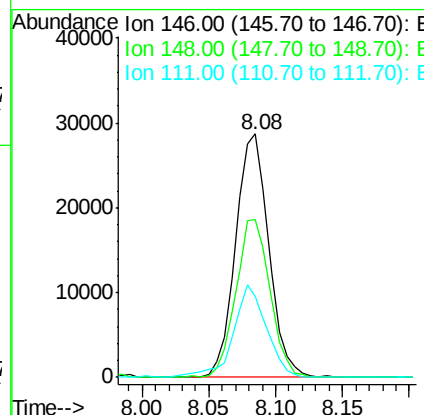
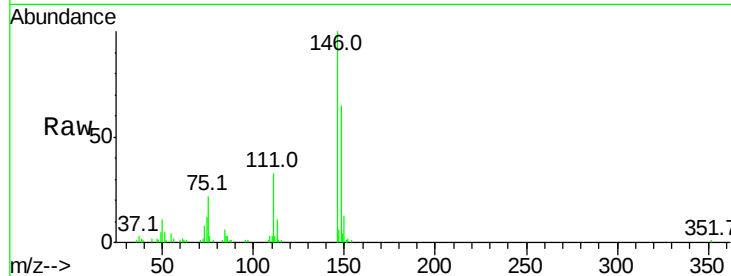




#13
 1,4-Dichlorobenzene
 Concen: 5.48 ng
 RT: 8.08 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

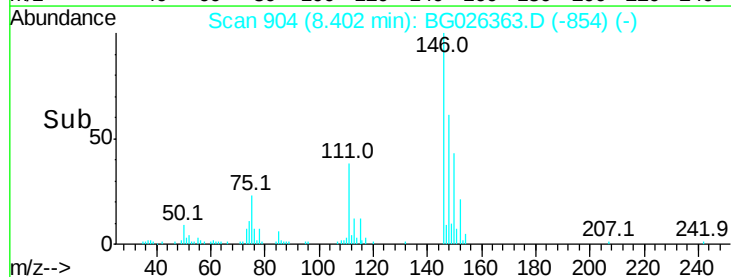
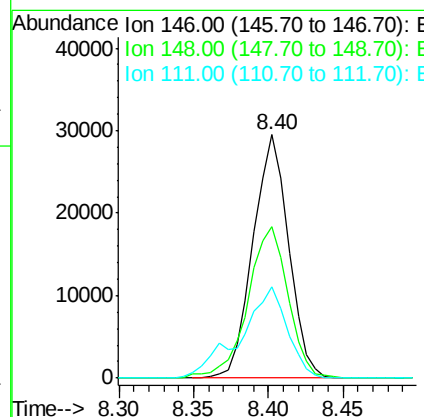
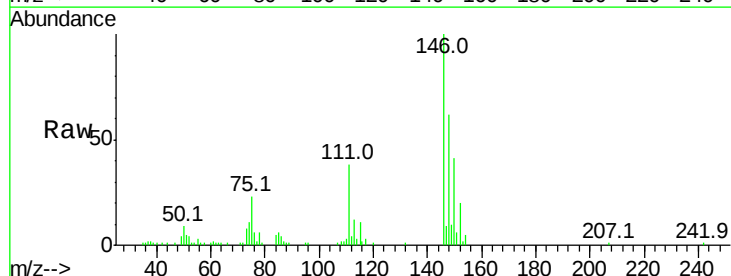
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:146 Resp: 49514
 Ion Ratio Lower Upper
 146 100
 148 65.0 52.2 78.2
 111 33.4 37.0 55.6#



#14
 1,2-Dichlorobenzene
 Concen: 5.62 ng
 RT: 8.40 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

Tgt Ion:146 Resp: 48542
 Ion Ratio Lower Upper
 146 100
 148 62.4 54.6 81.8
 111 37.5 39.7 59.5#





#15

Benzyl Alcohol

Concen: 4.51 ng

RT: 8.28 min Scan# 883

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

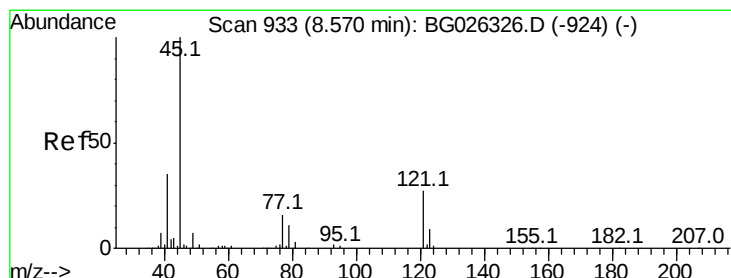
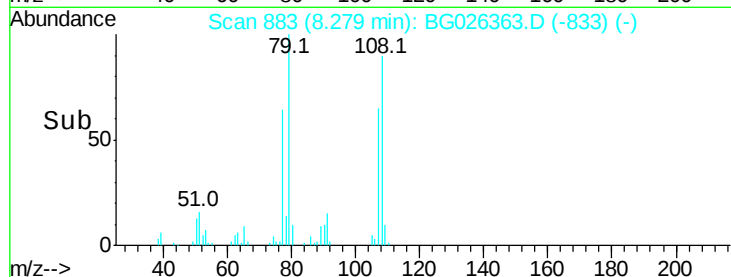
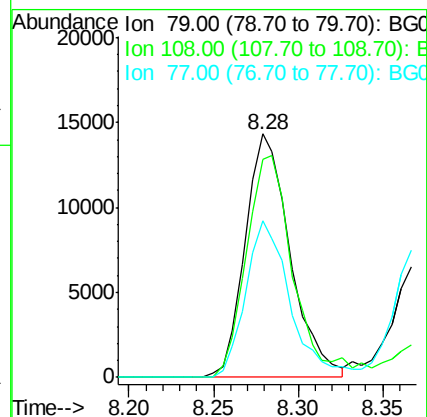
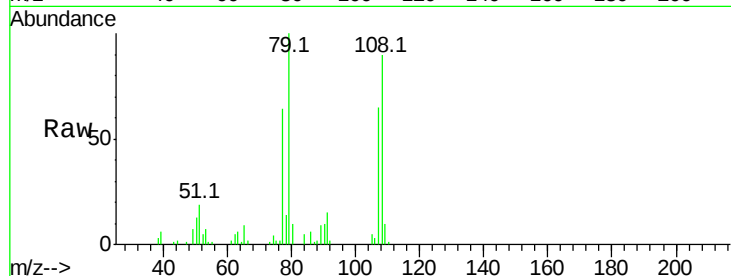
Tot Ion: 79 Resp: 26461

Ion Ratio Lower Upper

79 100

108 89.7 45.5 68.3#

77 64.5 54.3 81.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.69 ng

RT: 8.57 min Scan# 933

Delta R.T. 0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

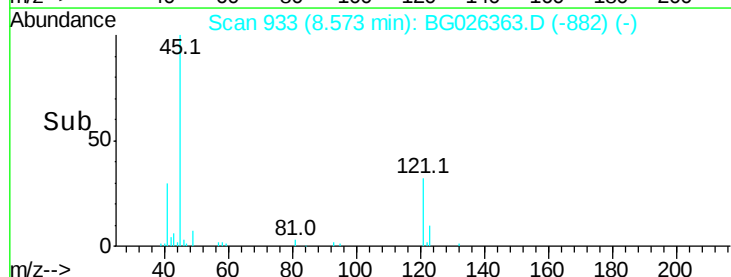
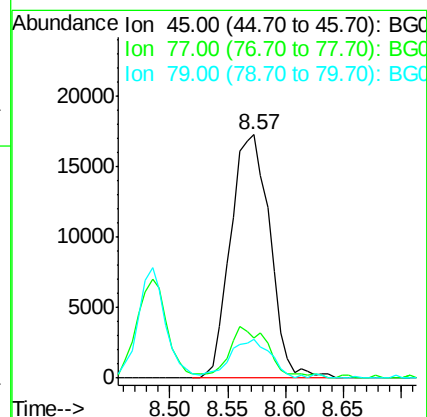
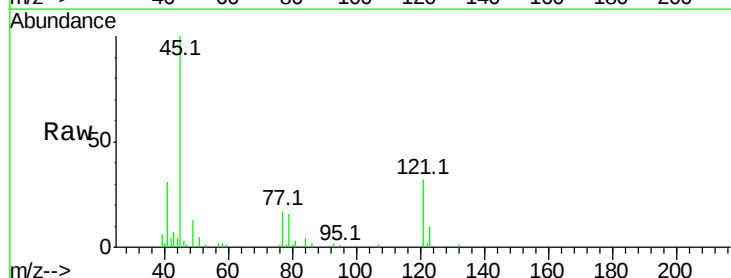
Tgt Ion: 45 Resp: 40771

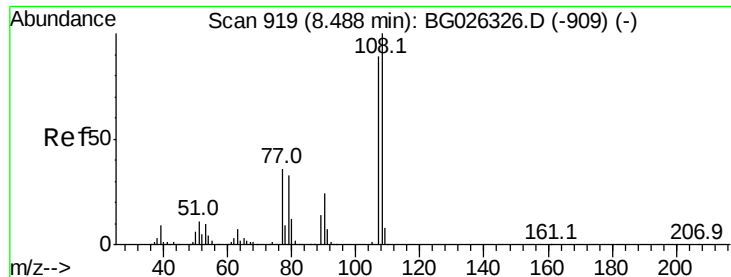
Ion Ratio Lower Upper

45 100

77 16.6 0.0 30.6

79 16.0 0.0 28.5

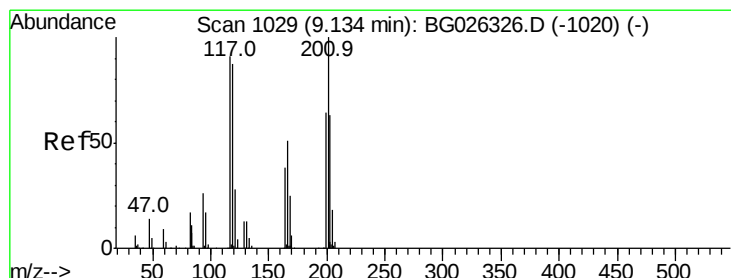
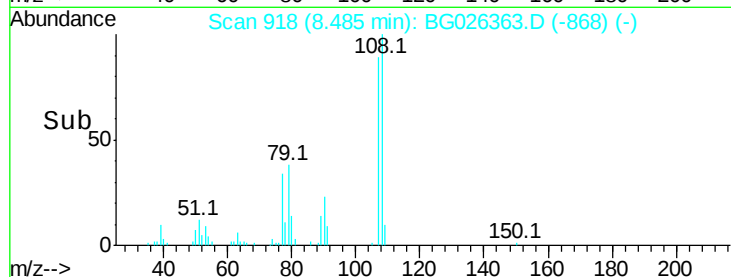
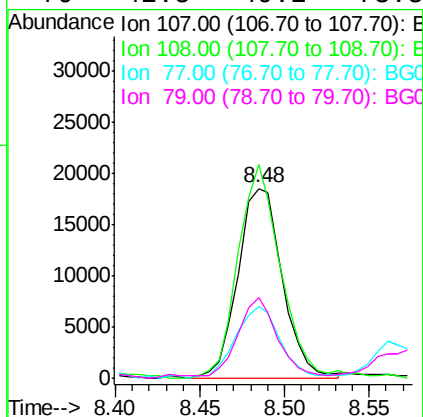
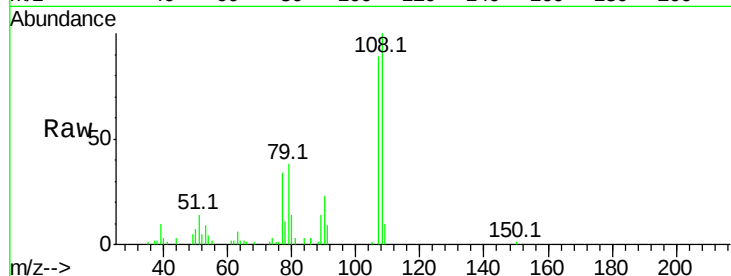




#17
2-Methylphenol
Concen: 5.03 ng
RT: 8.48 min Scan# 918
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

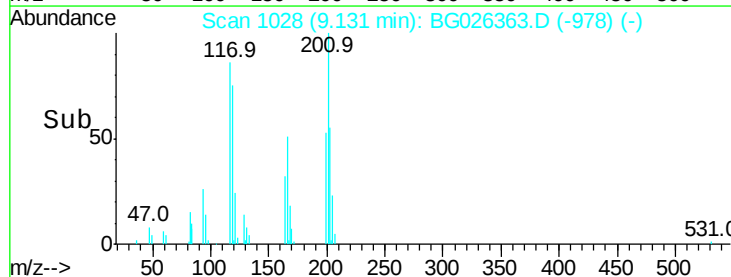
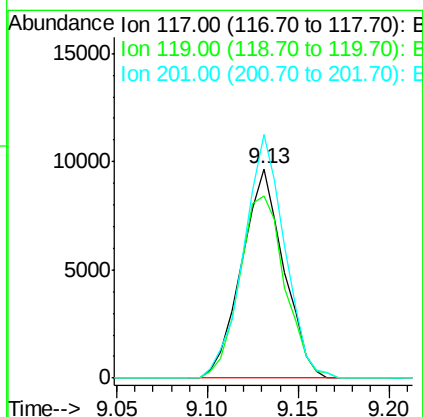
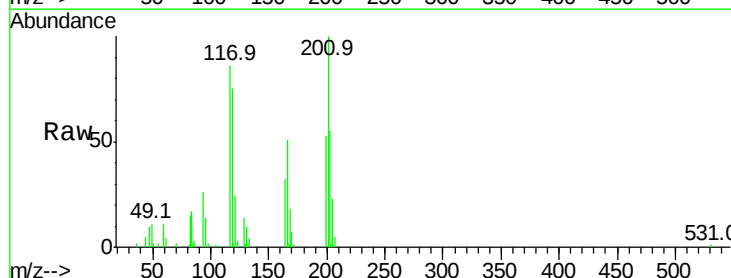
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

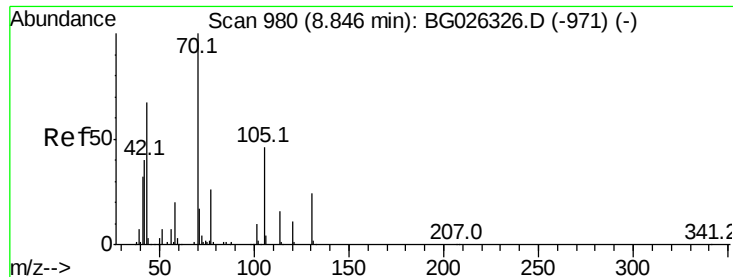
Tot Ion	Ratio	Lower	Upper
107	100		
108	112.6	85.6	128.4
77	37.7	51.4	77.2#
79	42.5	49.2	73.8#



#18
Hexachloroethane
Concen: 5.28 ng
RT: 9.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.2	69.8	104.6
201	116.2	95.4	143.0

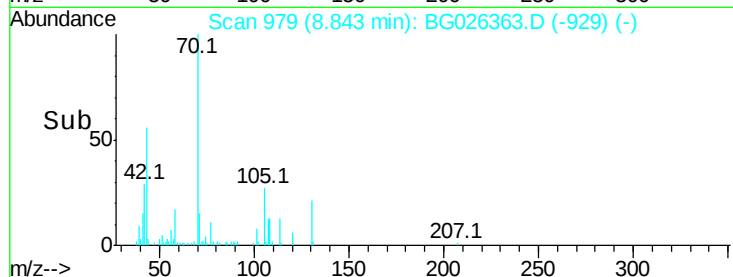
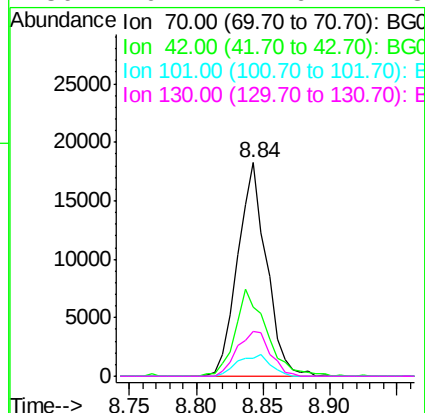
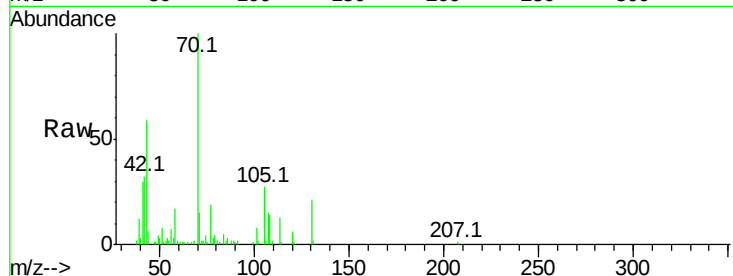




#19
n-Nitroso-di-n-propylamine
Concen: 4.77 ng
RT: 8.84 min Scan# 979
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

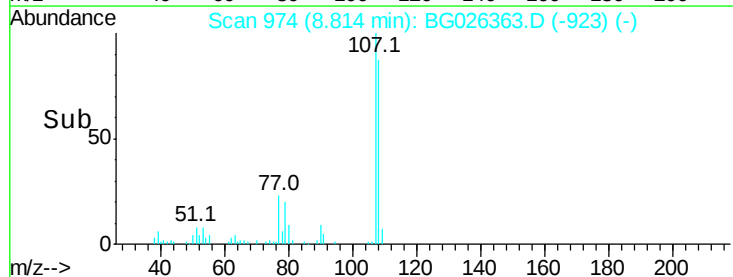
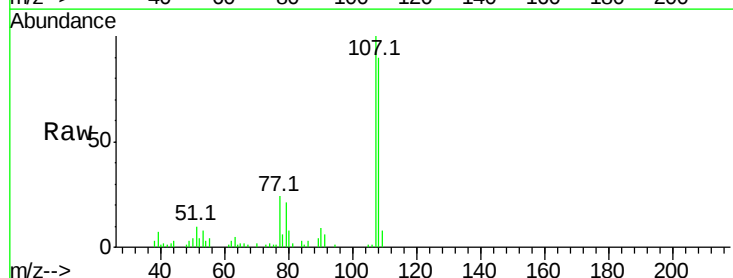
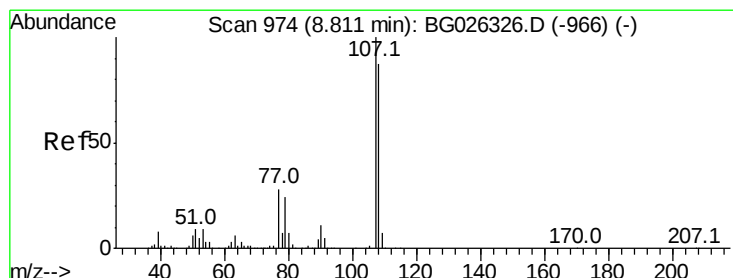
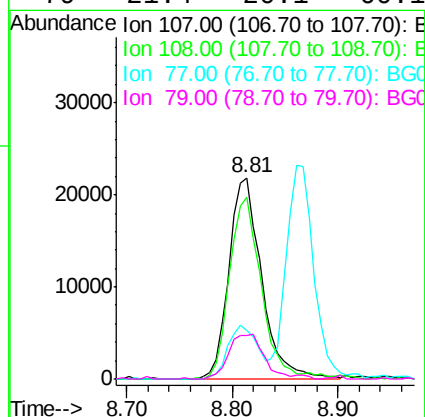
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

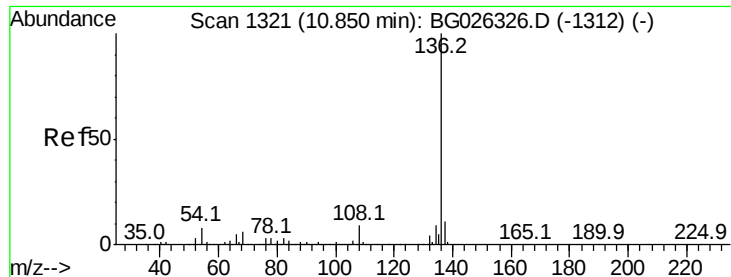
Tot Ion: 70 Resp: 27411
Ion Ratio Lower Upper
70 100
42 32.3 56.1 84.1#
101 8.3 7.5 11.3
130 20.7 14.6 21.8



#20
3+4-Methylphenols
Concen: 5.01 ng
RT: 8.81 min Scan# 974
Delta R.T. 0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion: 107 Resp: 46710
Ion Ratio Lower Upper
107 100
108 90.1 70.8 110.8
77 23.9 25.8 65.8#
79 21.4 20.1 60.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.85 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:136 Resp: 515509

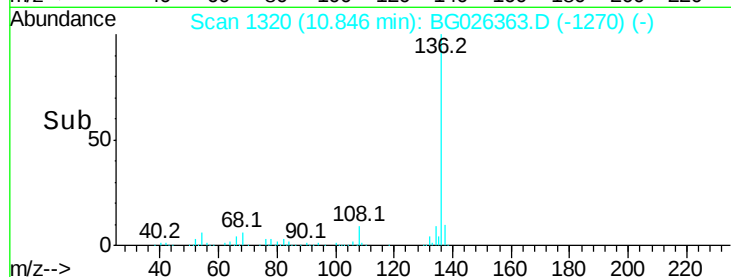
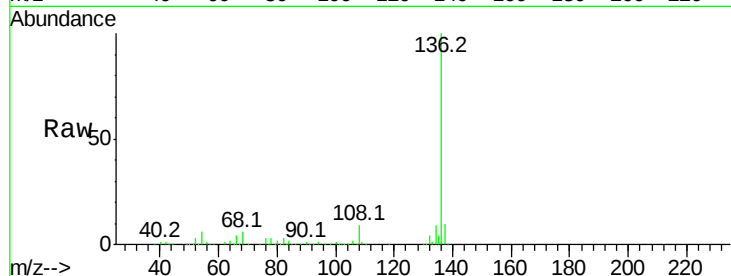
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 6.5 9.3 13.9#

68 6.2 5.1 7.7

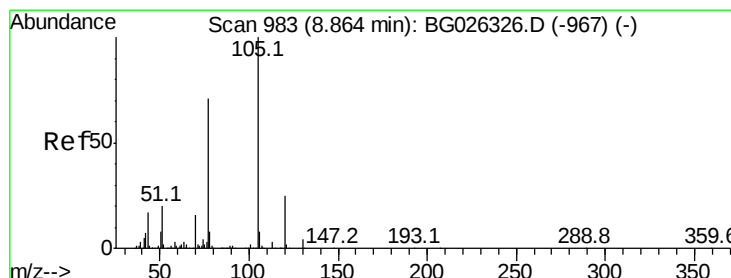
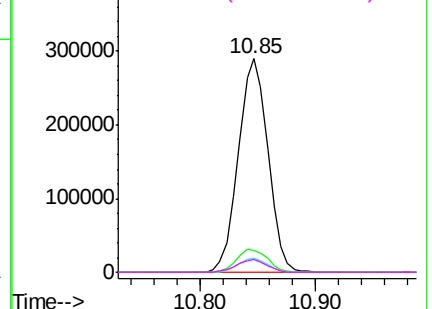


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG0

Ion 68.00 (67.70 to 68.70): BG0



#22

Acetophenone

Concen: 5.07 ng

RT: 8.87 min Scan# 983

Delta R.T. 0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Tgt Ion:105 Resp: 60146

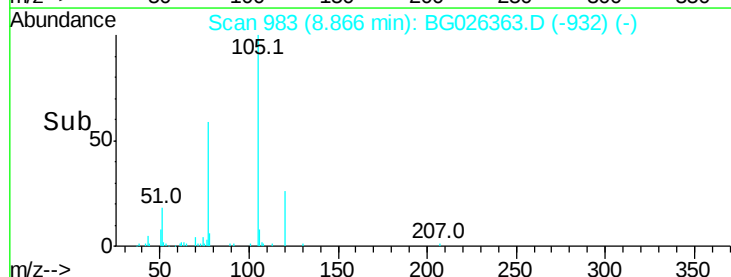
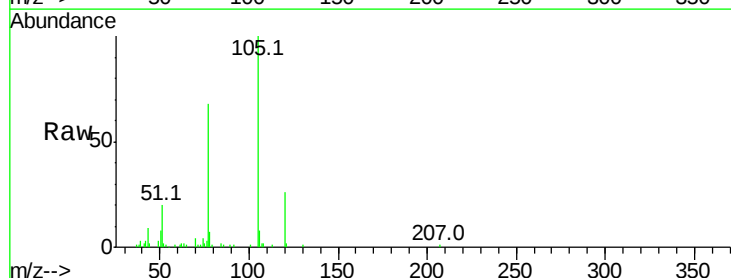
Ion Ratio Lower Upper

105 100

71 0.9 0.9 1.3#

51 19.7 34.0 51.0#

120 26.0 17.3 25.9#

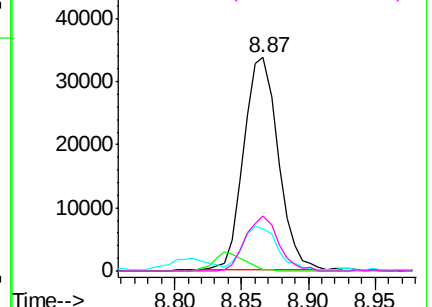


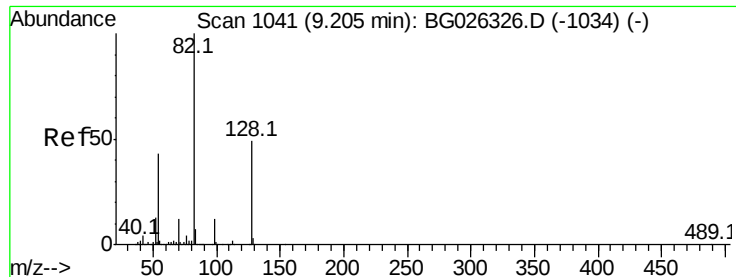
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BG0

Ion 51.00 (50.70 to 51.70): BG0

Ion 120.00 (119.70 to 120.70): E

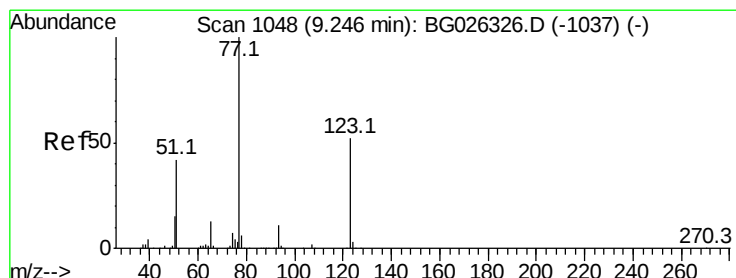
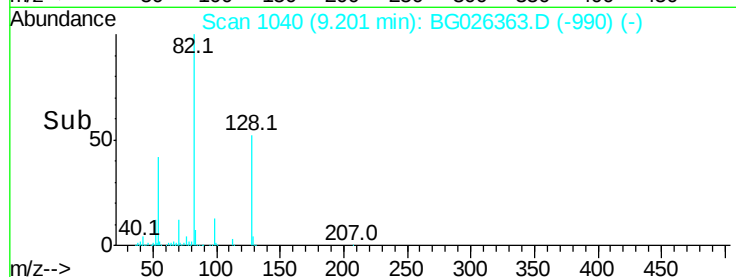
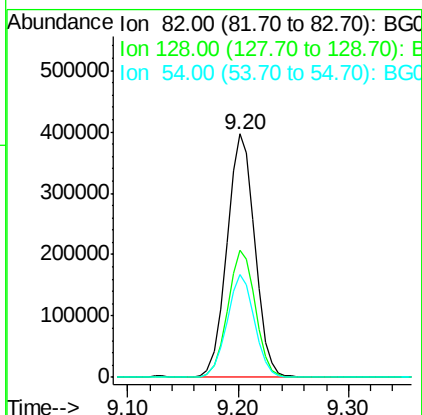
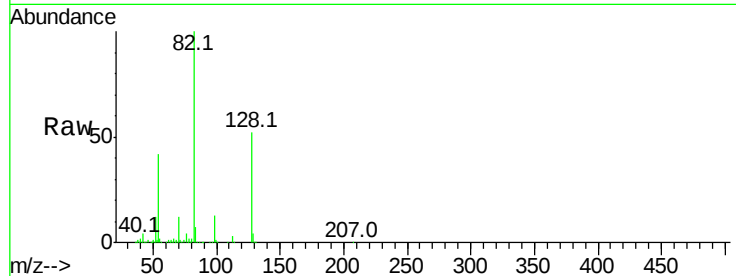




#23
 Nitrobenzene-d5
 Concen: 81.58 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

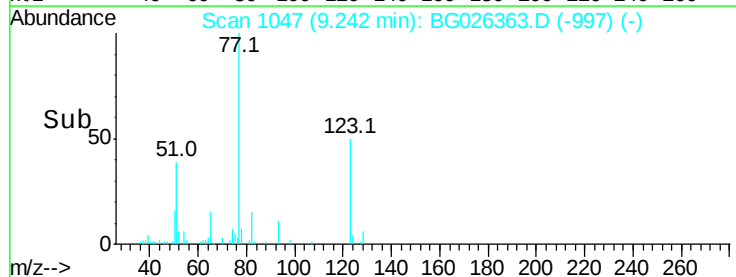
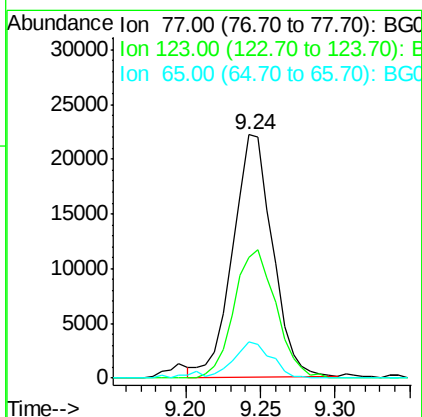
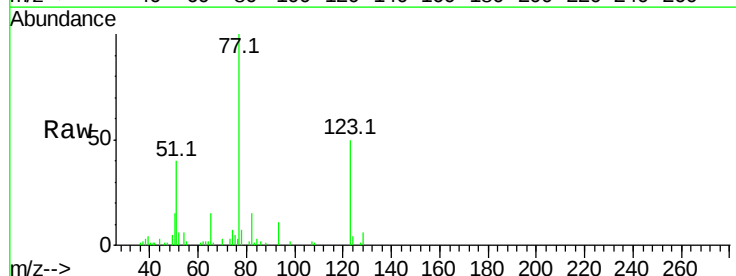
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

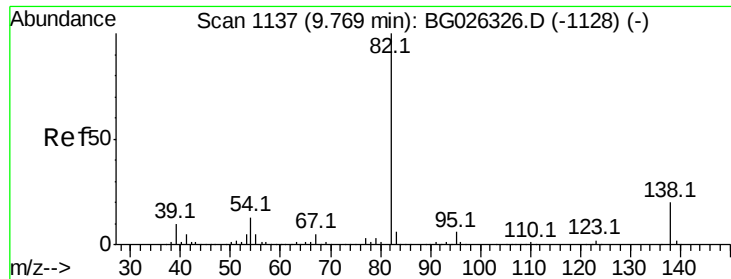
Tot Ion: 82 Resp: 699438
 Ion Ratio Lower Upper
 82 100
 128 52.4 26.4 39.6#
 54 42.3 49.4 74.2#



#24
 Nitrobenzene
 Concen: 4.84 ng
 RT: 9.24 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

Tgt Ion: 77 Resp: 40980
 Ion Ratio Lower Upper
 77 100
 123 49.8 26.1 39.1#
 65 15.1 12.4 18.6





#25

Isophorone

Concen: 4.92 ng

RT: 9.77 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

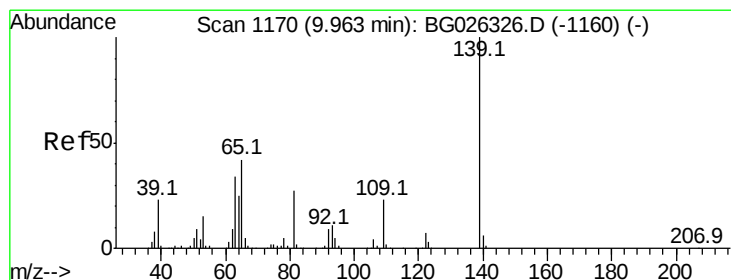
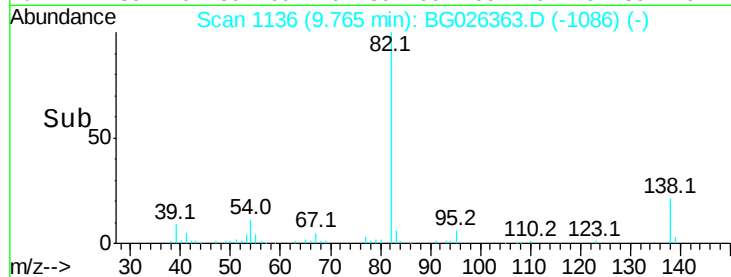
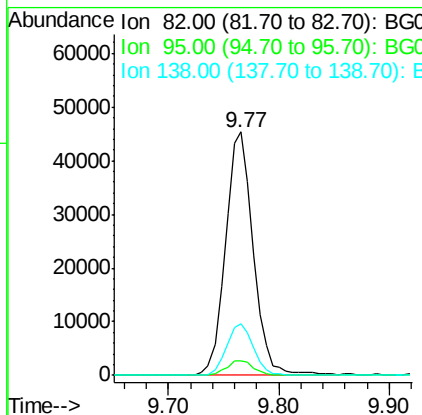
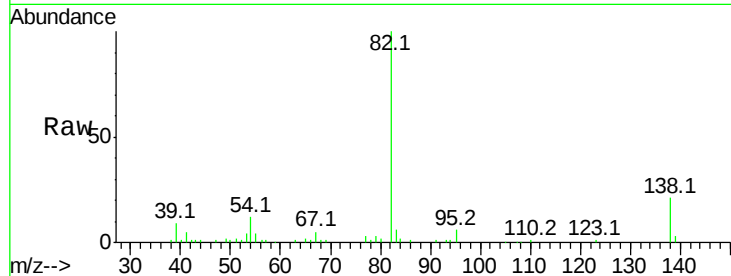
Tot Ion: 82 Resp: 79578

Ion Ratio Lower Upper

82 100

95 6.0 7.5 11.3#

138 21.3 12.3 18.5#



#26

2-Nitrophenol

Concen: 4.75 ng

RT: 9.96 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

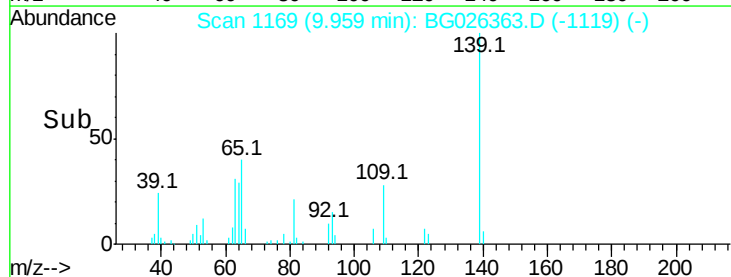
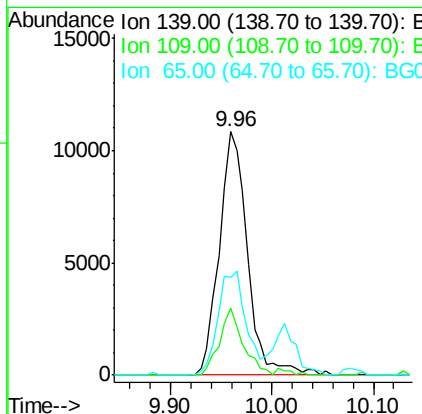
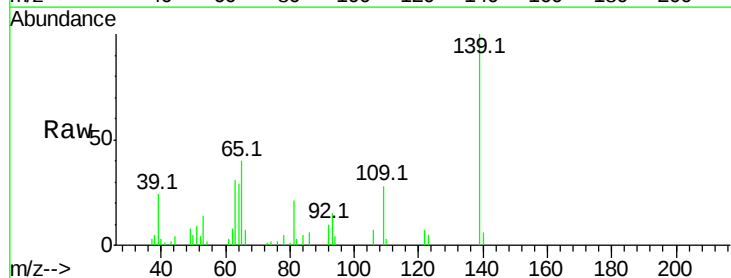
Tgt Ion: 139 Resp: 20904

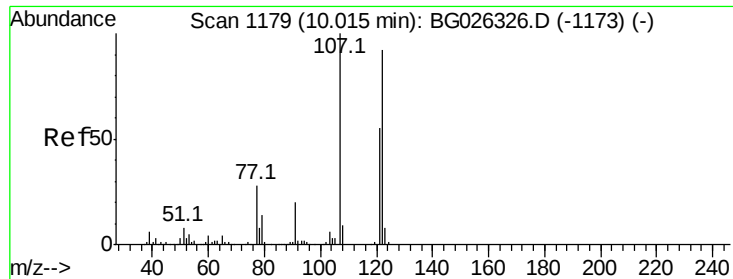
Ion Ratio Lower Upper

139 100

109 27.6 38.6 58.0#

65 40.1 57.1 85.7#

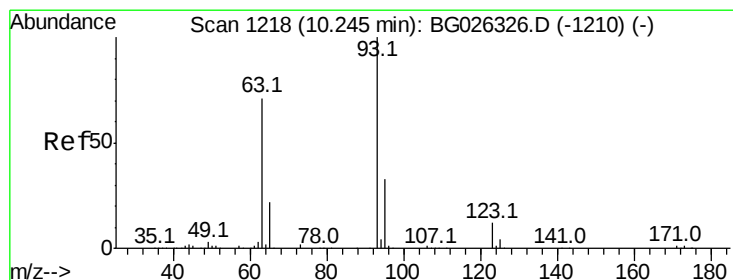
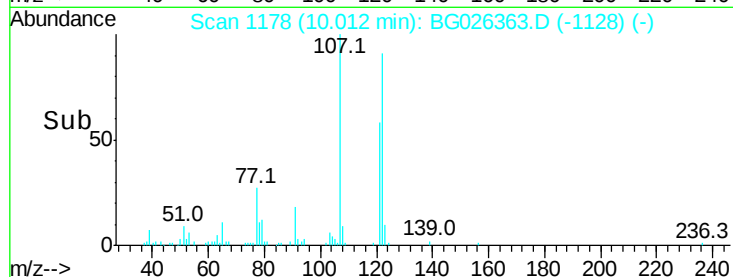
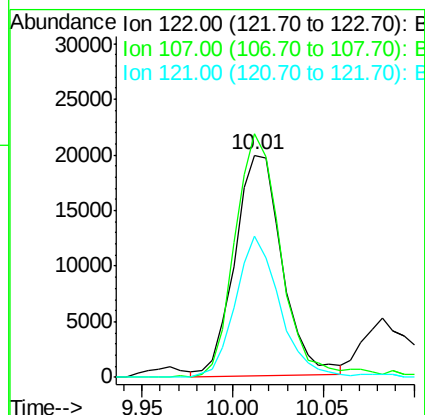
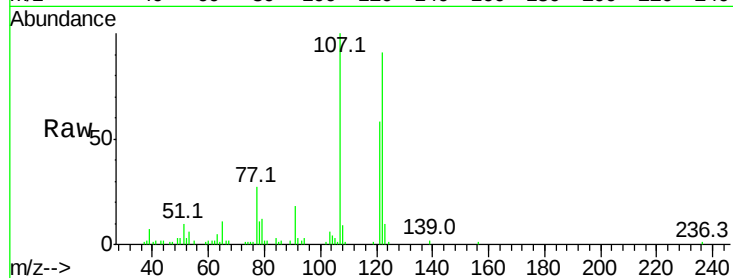




#27
 2,4-Dimethylphenol
 Concen: 4.99 ng
 RT: 10.01 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

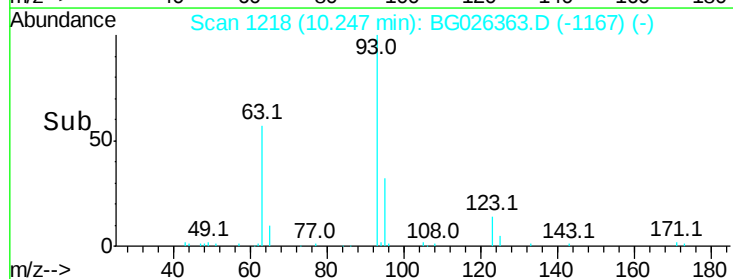
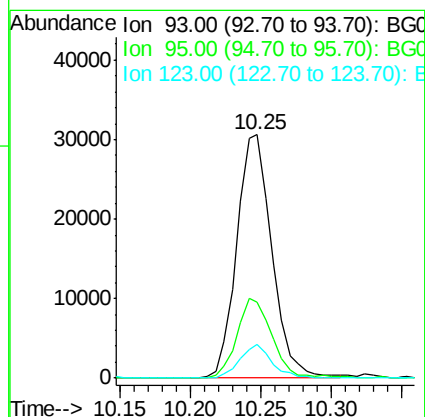
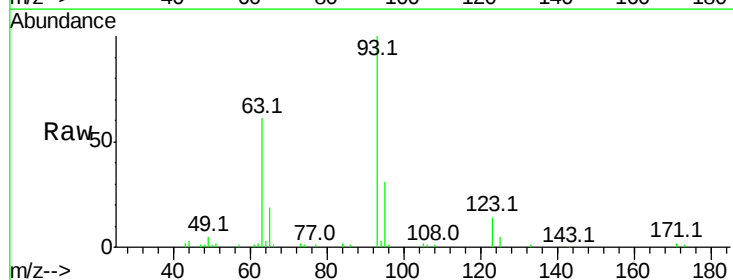
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

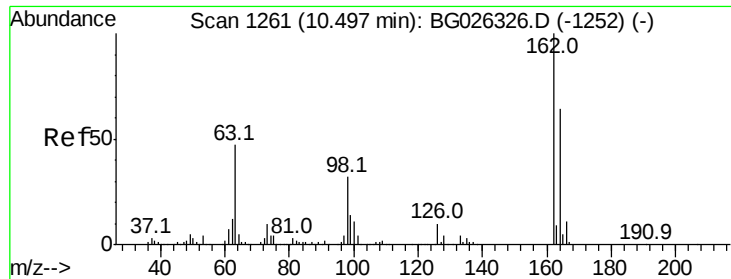
Tot Ion:122 Resp: 36073
 Ion Ratio Lower Upper
 122 100
 107 109.5 104.2 156.4
 121 63.3 46.0 69.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 5.08 ng
 RT: 10.25 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

Tgt Ion: 93 Resp: 53301
 Ion Ratio Lower Upper
 93 100
 95 31.0 25.7 38.5
 123 13.8 8.3 12.5#





#29

2,4-Dichlorophenol

Concen: 5.09 ng

RT: 10.49 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

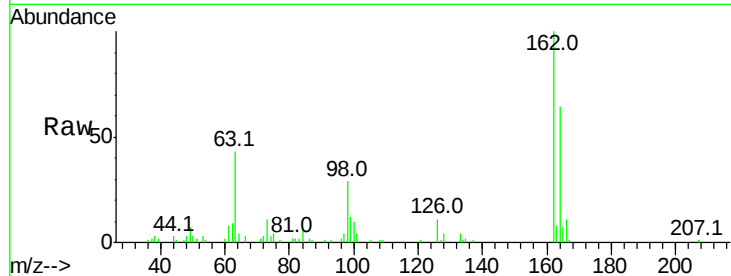
Tot Ion:162 Resp: 37238

Ion Ratio Lower Upper

162 100

164 64.0 42.4 82.4

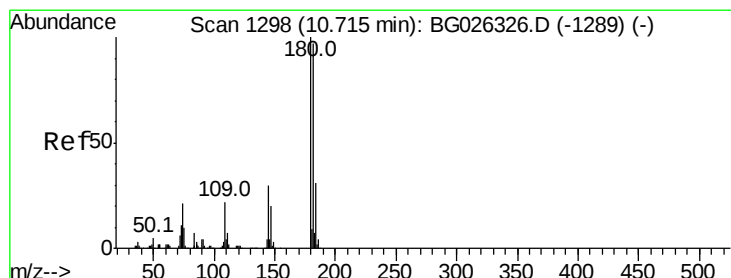
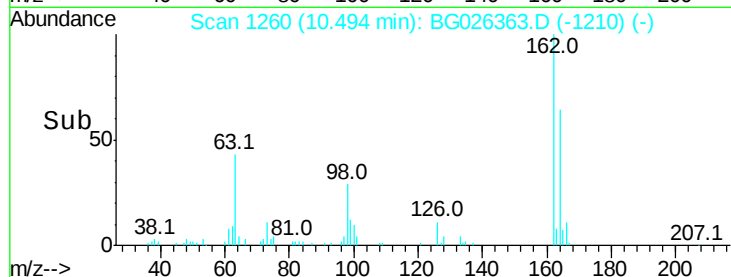
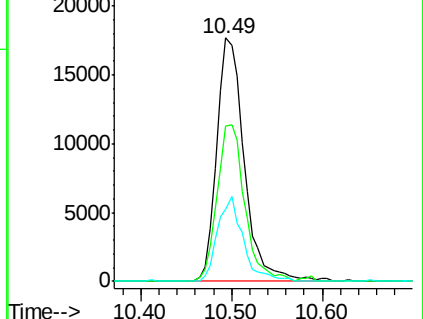
98 29.5 20.3 60.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30

1,2,4-Trichlorobenzene

Concen: 5.52 ng

RT: 10.71 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

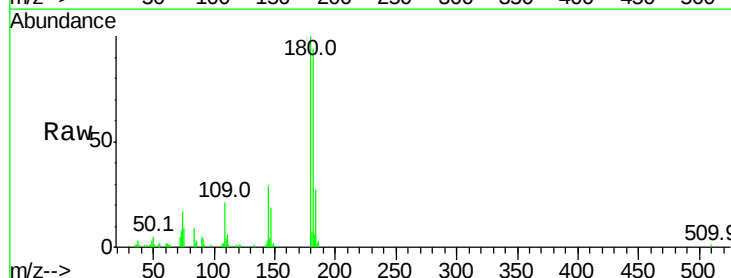
Tgt Ion:180 Resp: 45300

Ion Ratio Lower Upper

180 100

182 93.9 77.0 115.4

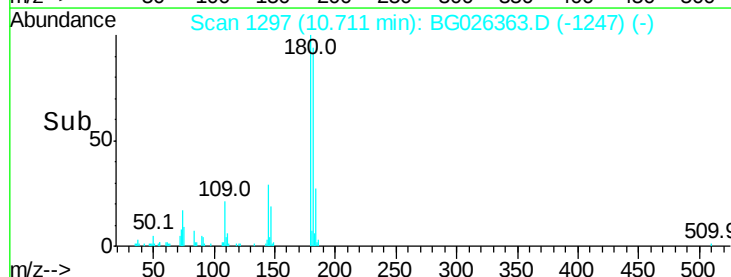
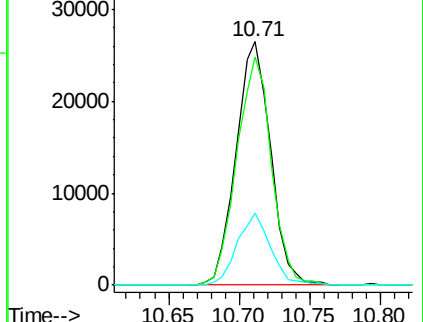
145 29.5 23.4 35.0

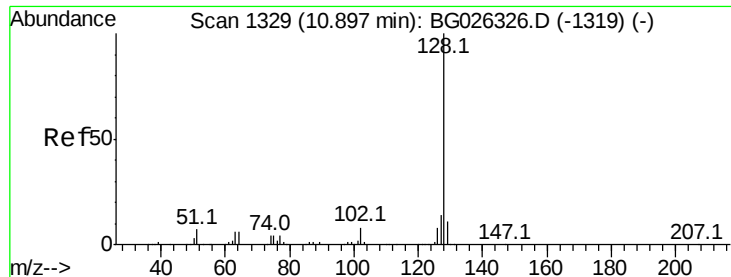


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

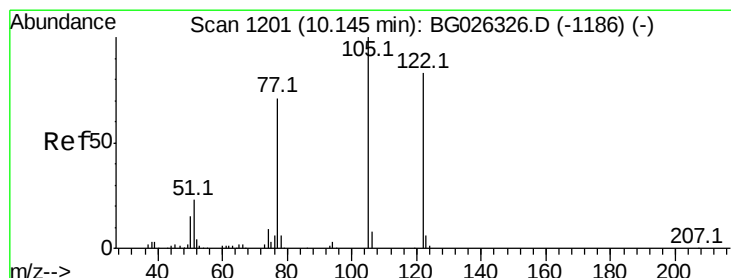
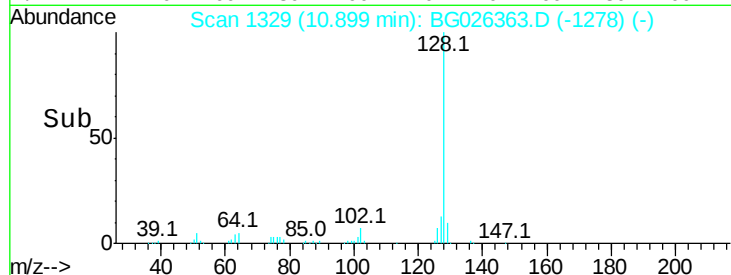
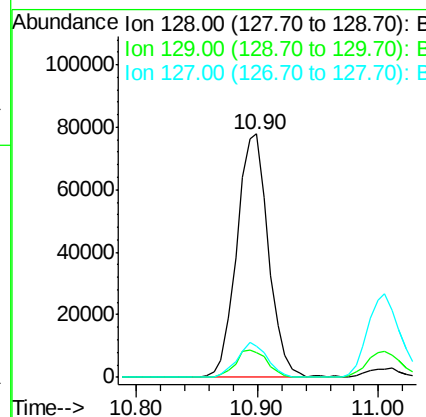
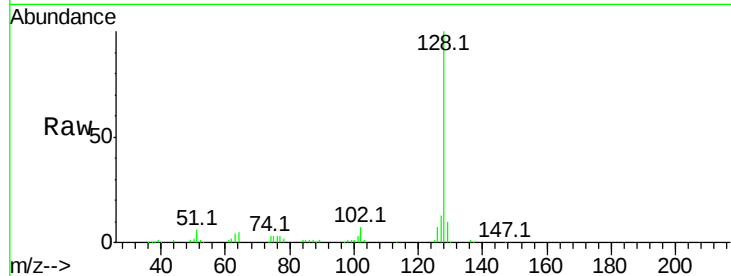




#31
Naphthalene
Concen: 5.43 ng
RT: 10.90 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

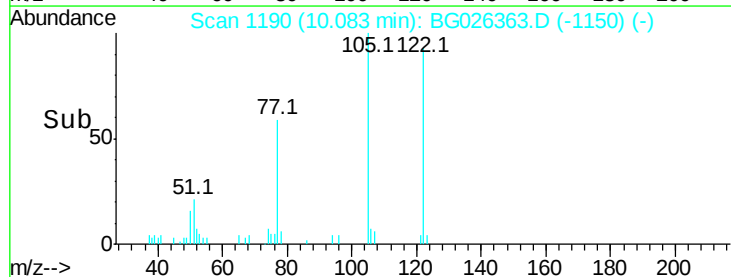
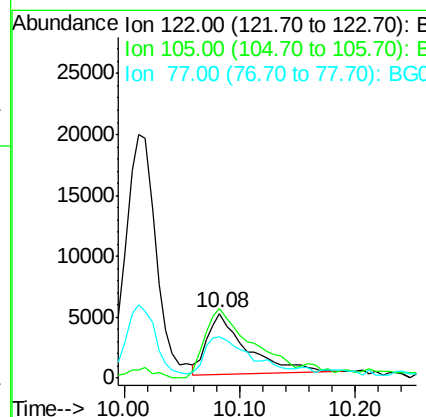
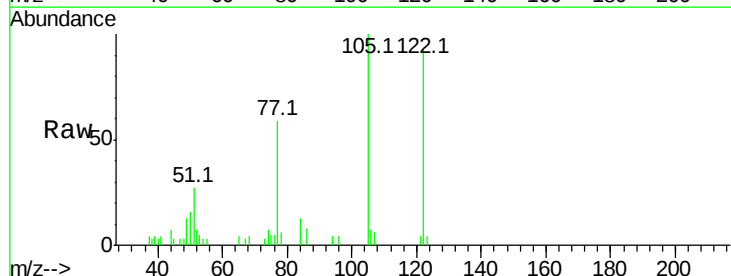
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

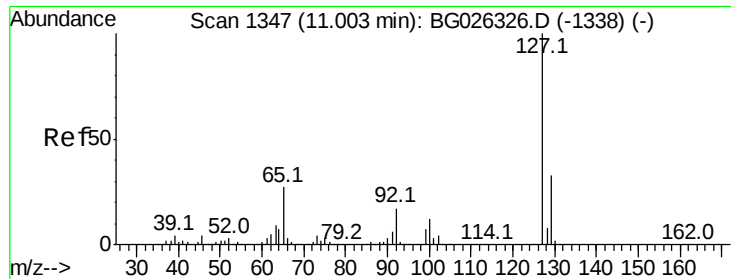
Tot Ion:128 Resp: 141584
Ion Ratio Lower Upper
128 100
129 10.1 9.3 13.9
127 13.0 11.4 17.0



#32
Benzoic acid
Concen: 2.15 ng
RT: 10.08 min Scan# 1190
Delta R.T. -0.06 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion:122 Resp: 11985
Ion Ratio Lower Upper
122 100
105 107.2 120.1 160.1#
77 63.1 104.6 144.6#

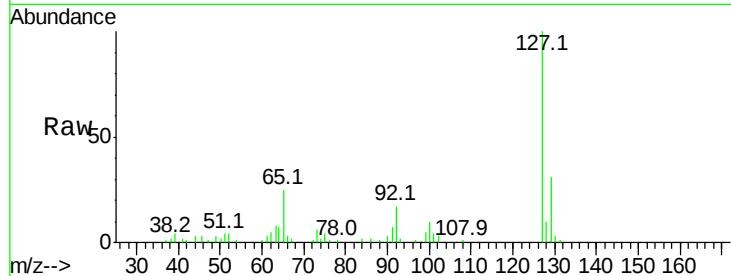




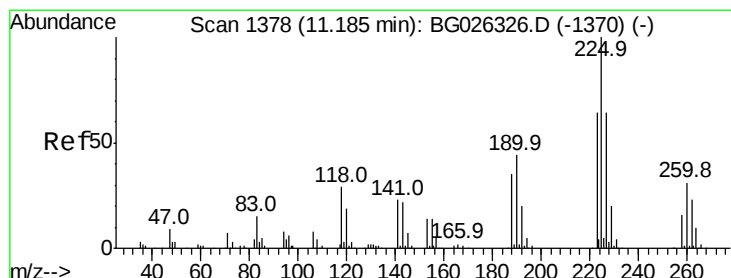
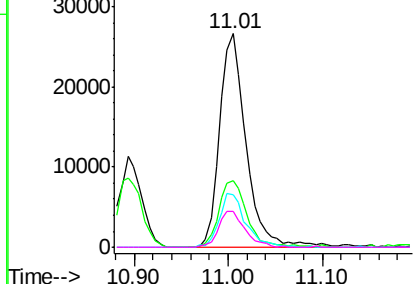
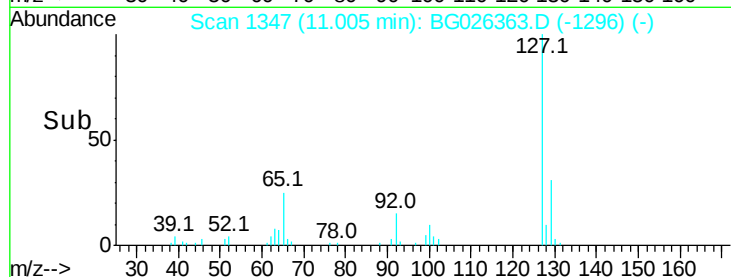
#33
4-Chloroaniline
Concen: 4.94 ng
RT: 11.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:	127	Resp:	52320
Ion	Ratio	Lower	Upper
127	100		
129	30.9	23.6	35.4
65	24.7	37.7	56.5#
92	16.5	17.6	26.4#

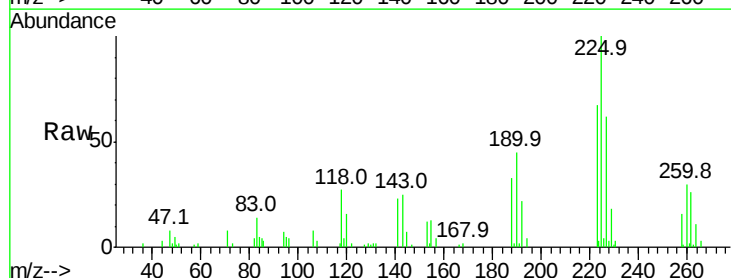


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

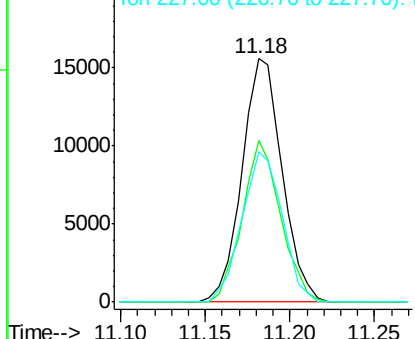
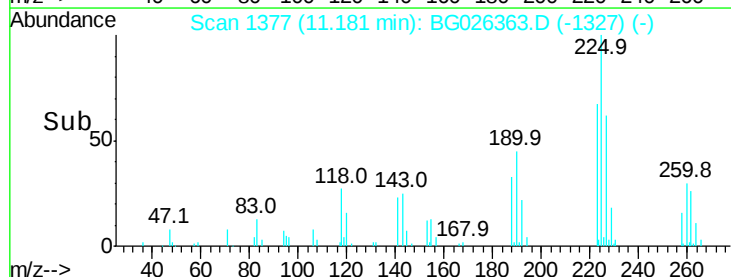


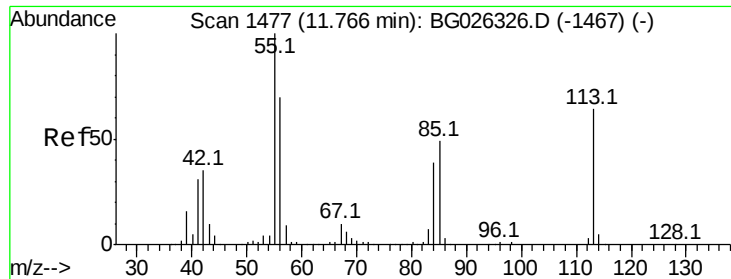
#34
Hexachlorobutadiene
Concen: 5.32 ng
RT: 11.18 min Scan# 1377
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion:	225	Resp:	25787
Ion	Ratio	Lower	Upper
225	100		
223	66.7	50.7	76.1
227	61.9	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: 4.48 ng

RT: 11.75 min Scan# 1473

Delta R.T. -0.02 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

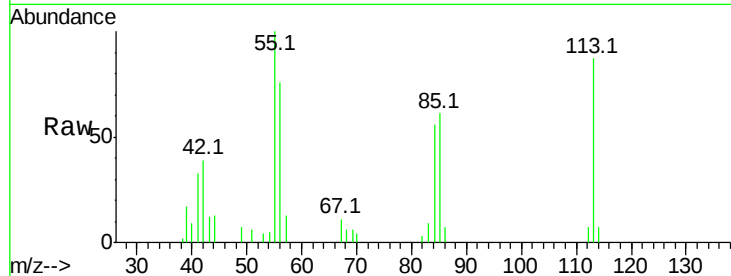
Tot Ion:113 Resp: 12918

Ion Ratio Lower Upper

113 100

55 114.6 198.6 238.6#

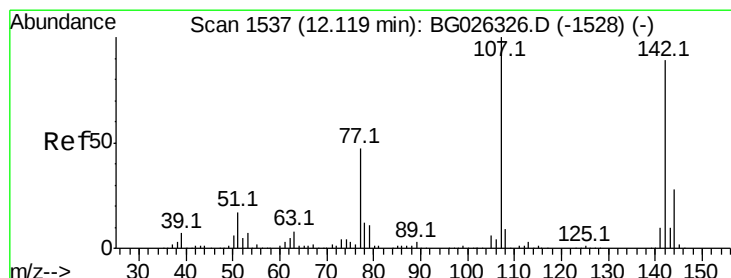
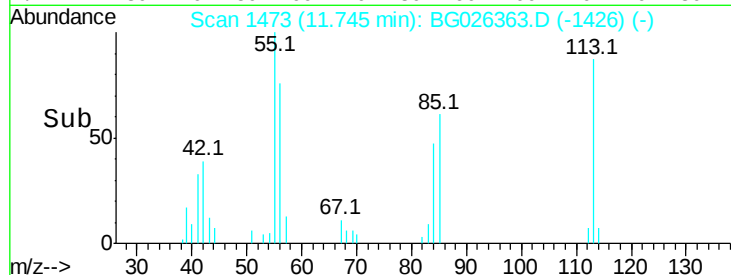
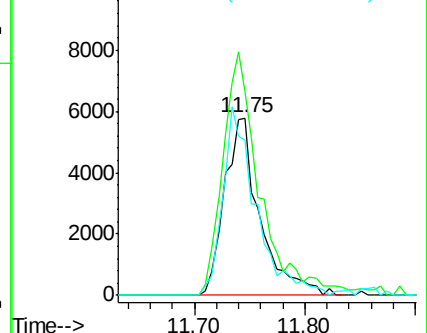
56 87.2 140.4 180.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 4.77 ng

RT: 12.12 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

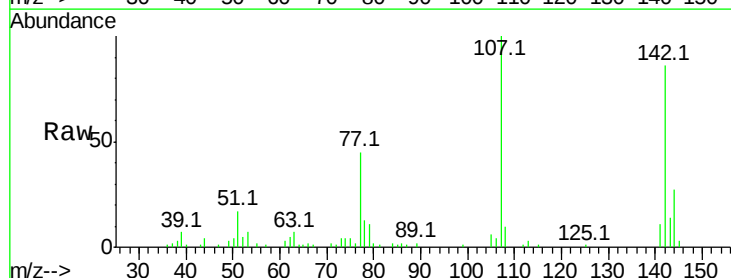
Tgt Ion:107 Resp: 37280

Ion Ratio Lower Upper

107 100

144 27.3 17.4 26.0#

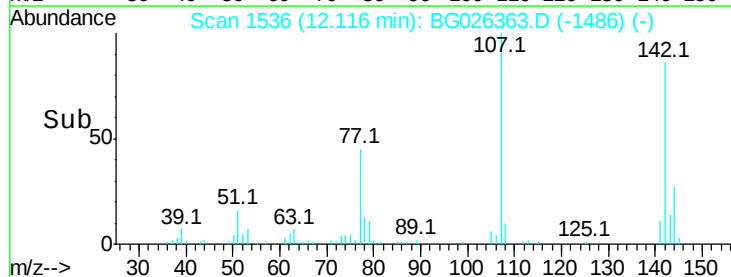
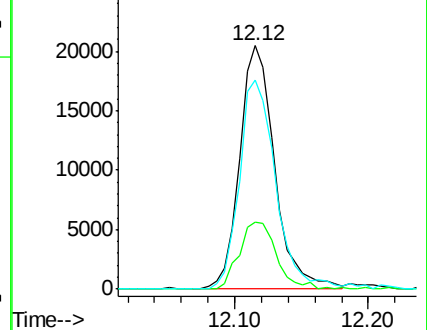
142 86.0 54.1 81.1#

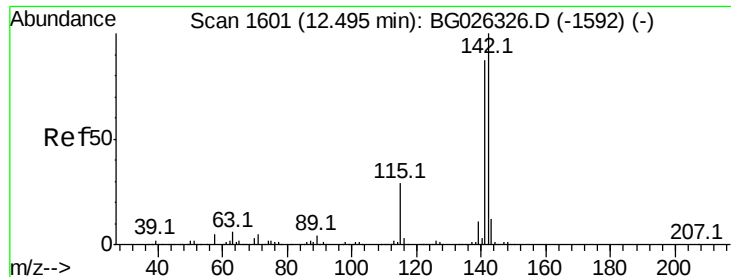


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

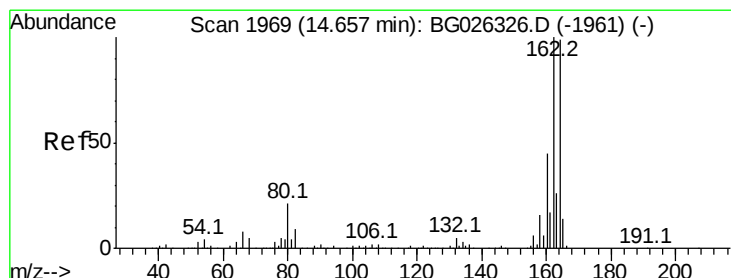
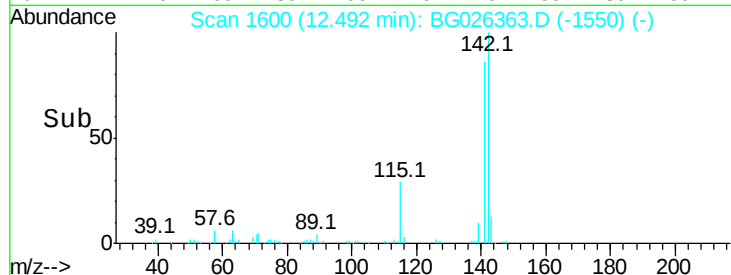
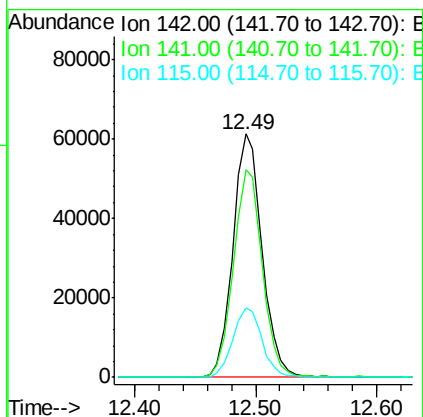
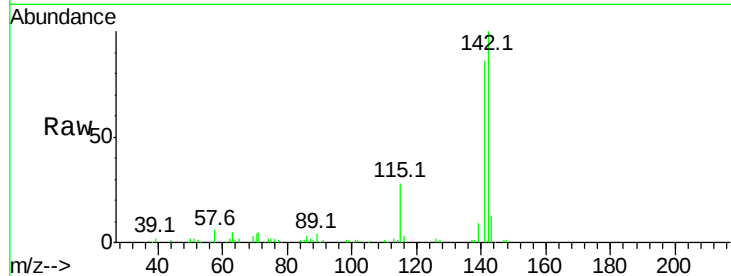




#37
2-Methylnaphthalene
Concen: 5.39 ng
RT: 12.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

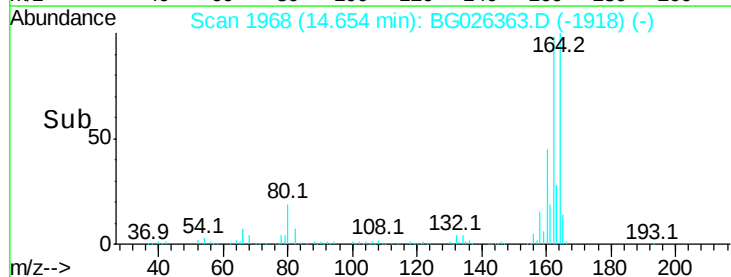
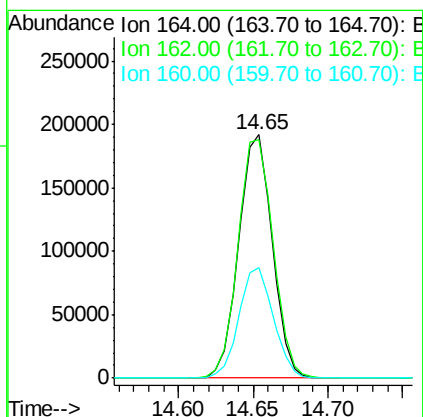
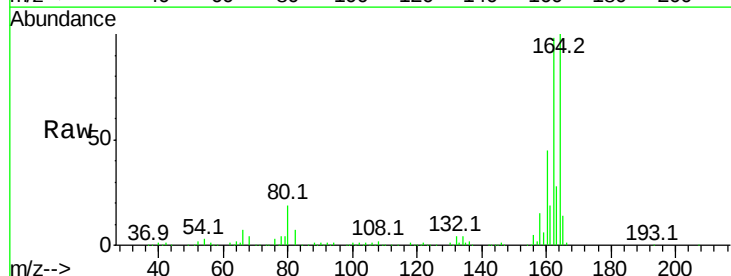
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.6	70.4	105.6
115	28.5	35.5	53.3



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.2	85.1	127.7
160	45.2	34.7	52.1

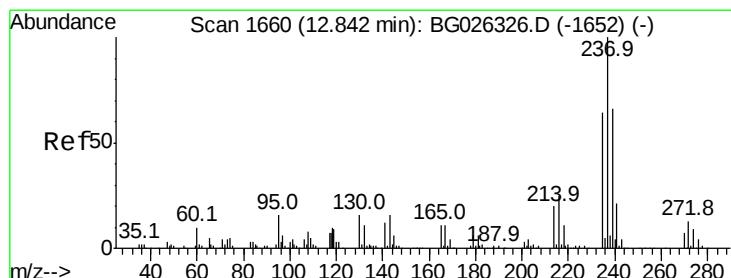
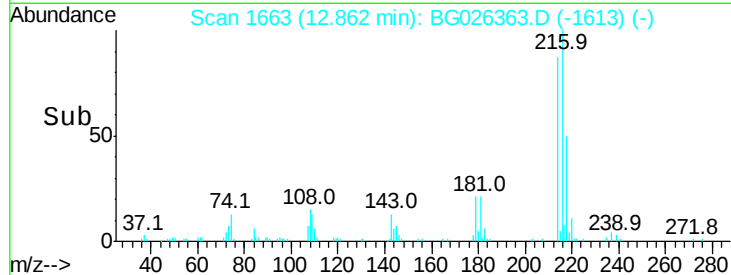
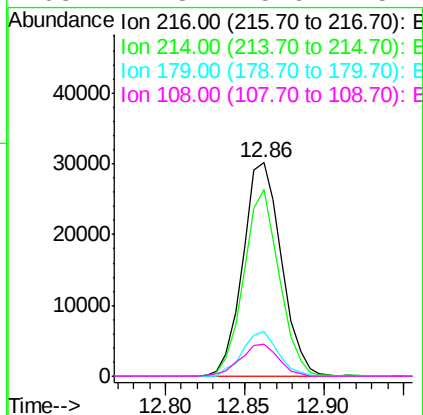
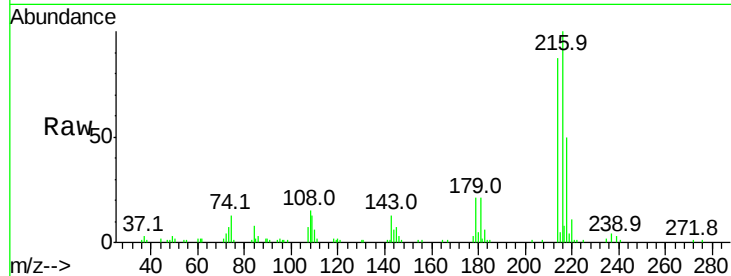




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 5.65 ng
 RT: 12.86 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

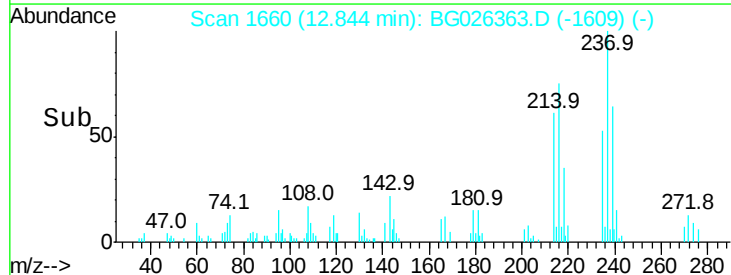
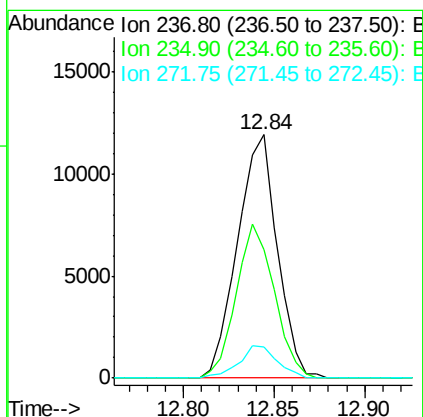
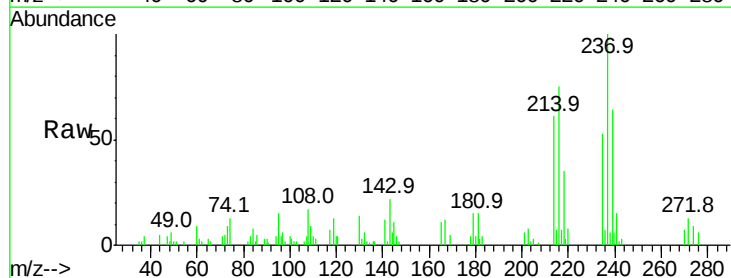
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

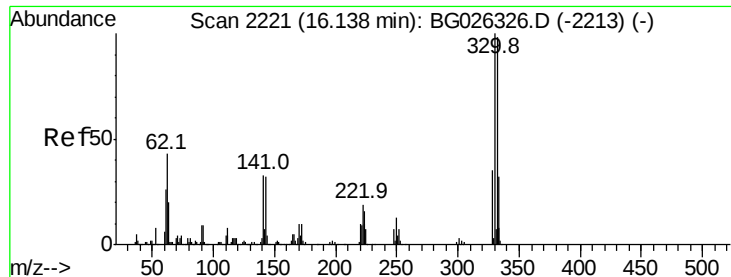
Tot Ion:216 Resp: 50914
 Ion Ratio Lower Upper
 216 100
 214 80.3 64.4 96.6
 179 19.5 17.4 26.0
 108 14.8 15.6 23.4#



#40
 Hexachlorocyclopentadiene
 Concen: 3.82 ng
 RT: 12.84 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

Tgt Ion:237 Resp: 18124
 Ion Ratio Lower Upper
 237 100
 235 52.9 39.4 79.4
 272 12.6 0.0 32.0

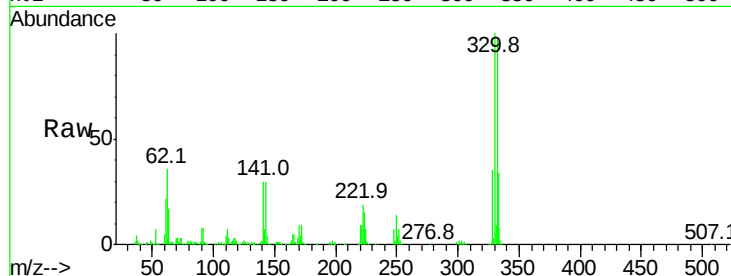




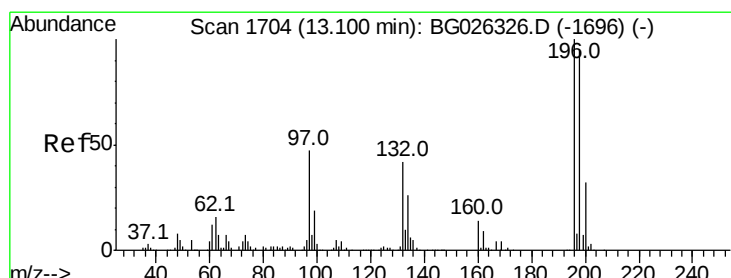
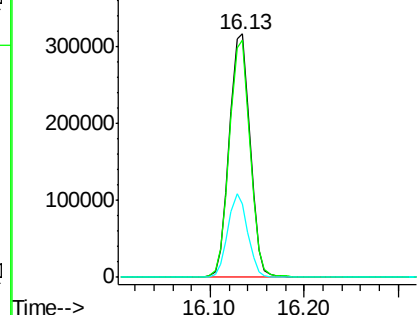
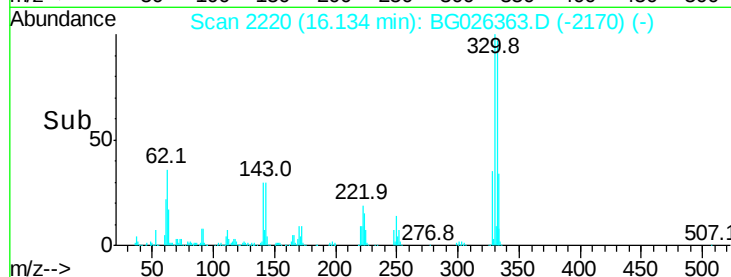
#41
 2,4,6-Tribromophenol
 Concen: 143.12 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:330 Resp: 490710
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.3 115.9
 141 32.8 32.1 48.1

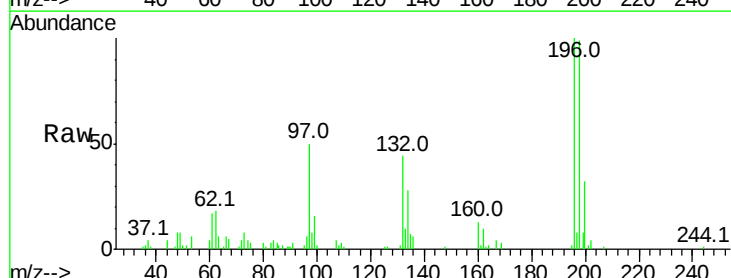


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

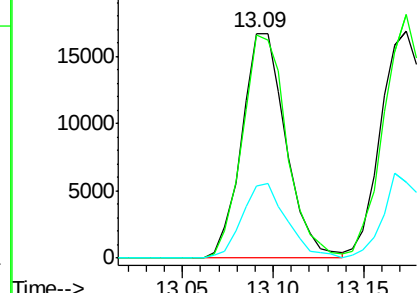
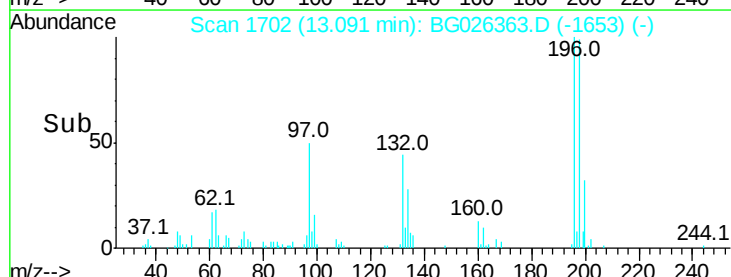


#42
 2,4,6-Trichlorophenol
 Concen: 4.79 ng
 RT: 13.09 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

Tgt Ion:196 Resp: 28234
 Ion Ratio Lower Upper
 196 100
 198 99.0 81.4 122.2
 200 32.3 27.0 40.6



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

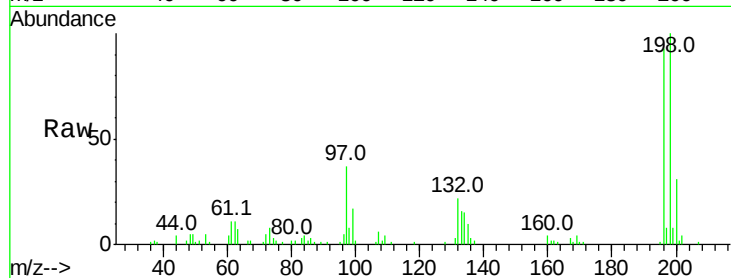




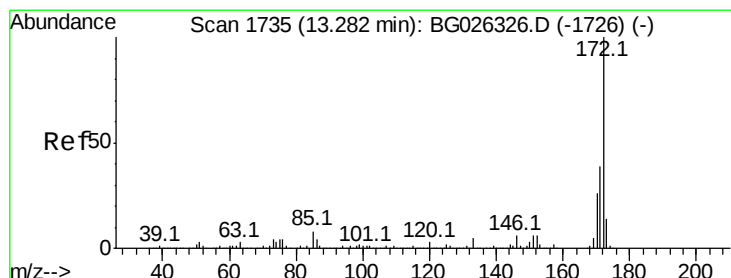
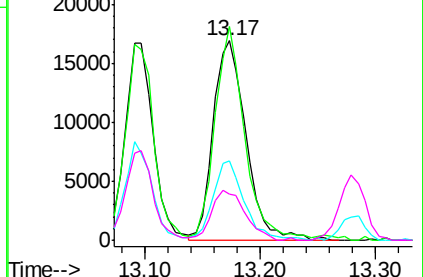
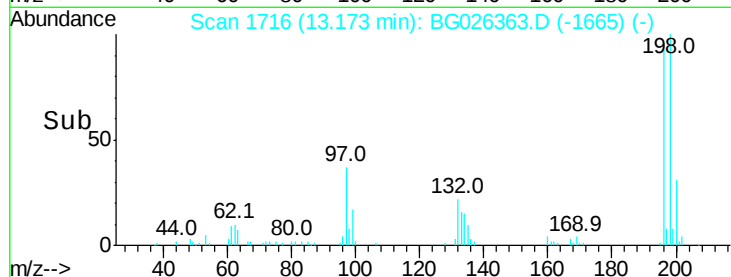
#43
2,4,5-Trichlorophenol
Concen: 5.12 ng
RT: 13.17 min Scan# 1716
Delta R.T. 0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:196 Resp: 33350
Ion Ratio Lower Upper
196 100
198 107.0 79.9 119.9
97 39.9 45.4 68.0#
132 23.4 20.7 31.1

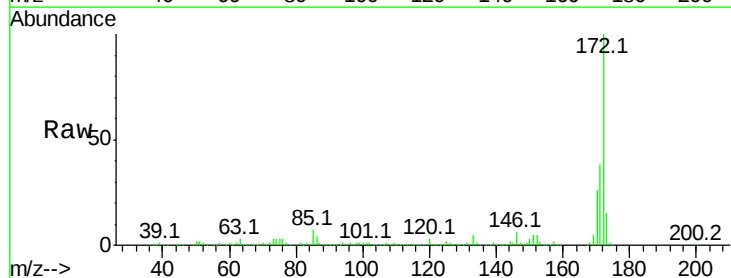


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BG
Ion 132.00 (131.70 to 132.70): E

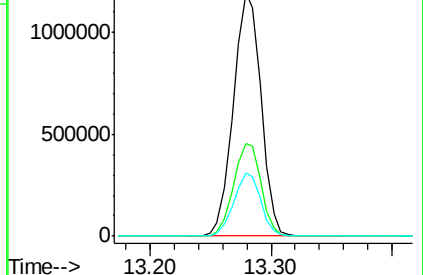
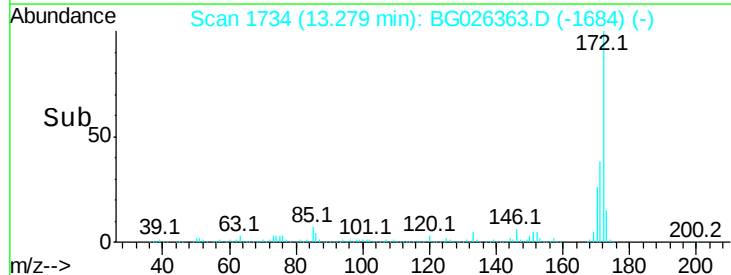


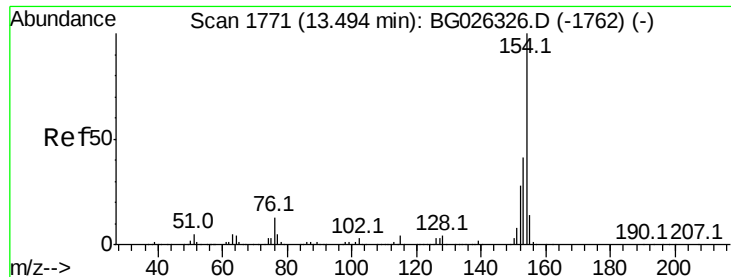
#44
2-Fluorobiphenyl
Concen: 89.10 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion:172 Resp: 1902142
Ion Ratio Lower Upper
172 100
171 38.2 32.2 48.2
170 25.9 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: 5.62 ng

RT: 13.49 min Scan# 1770

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

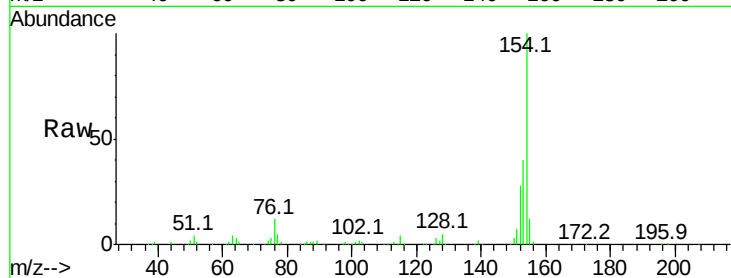
Tot Ion:154 Resp: 139330

Ion Ratio Lower Upper

154 100

153 39.6 23.0 63.0

76 11.7 0.0 33.5

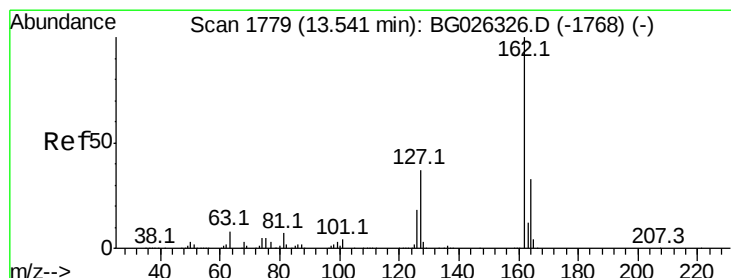
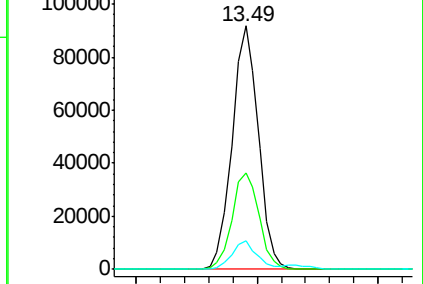
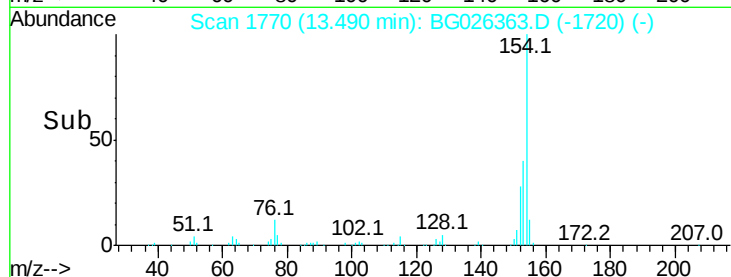


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B

Time-->



#46

2-Chloronaphthalene

Concen: 5.41 ng

RT: 13.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

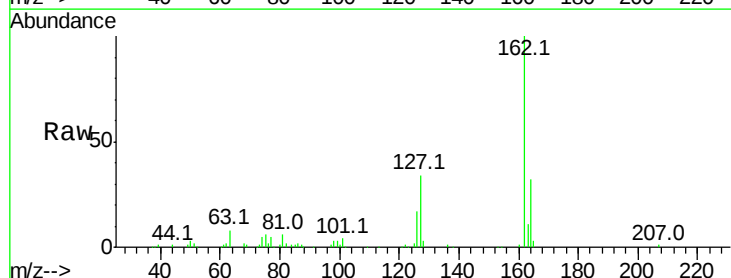
Tgt Ion:162 Resp: 97919

Ion Ratio Lower Upper

162 100

127 34.3 32.2 48.4

164 32.3 27.3 40.9

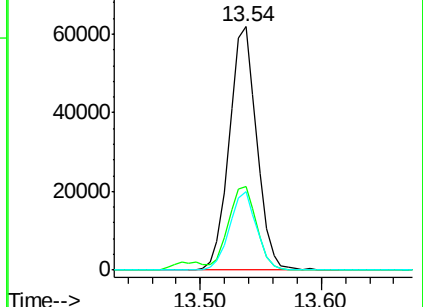
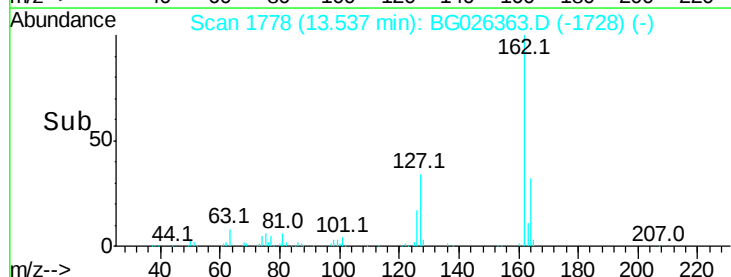


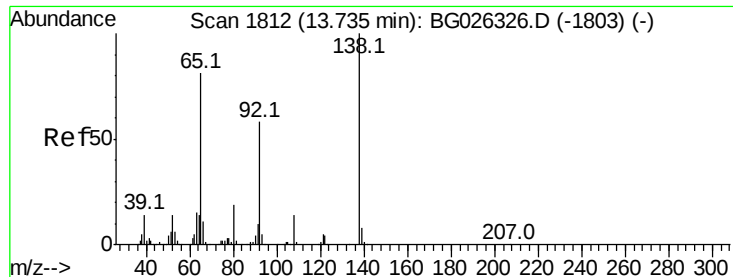
Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->

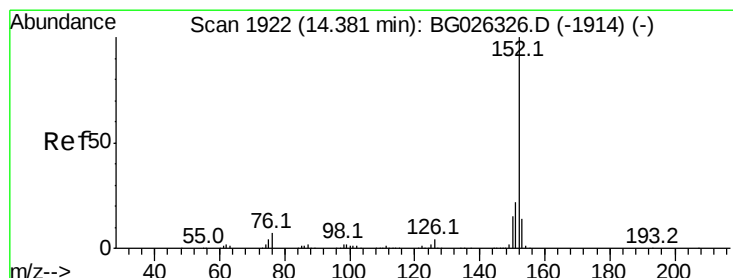
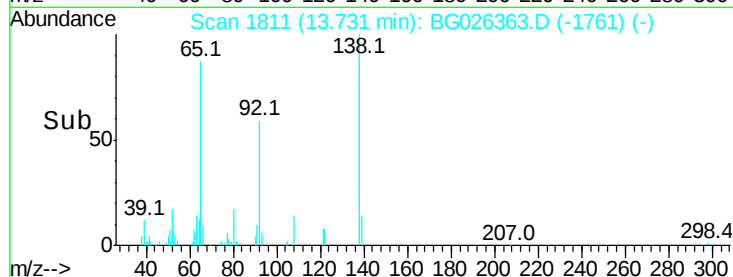
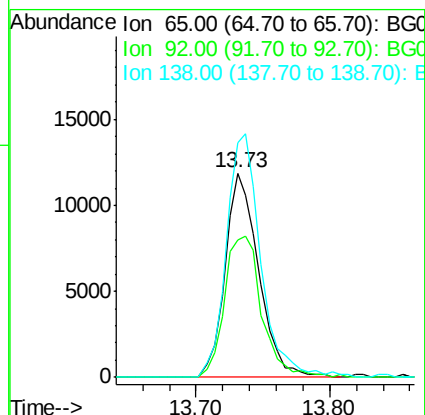
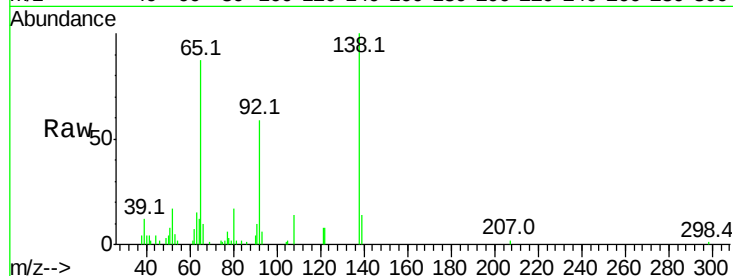




#47
2-Nitroaniline
Concen: 4.05 ng
RT: 13.73 min Scan# 1811
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

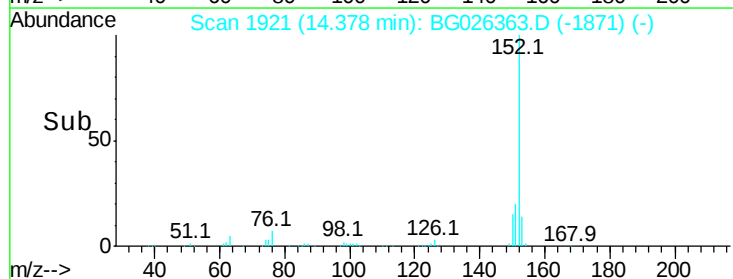
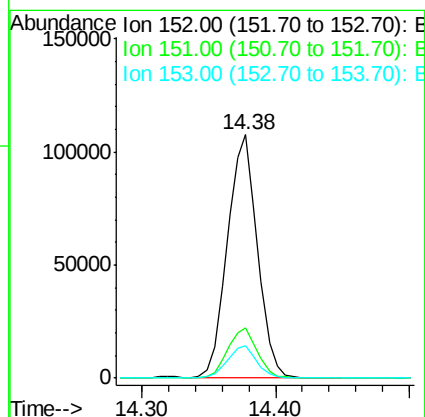
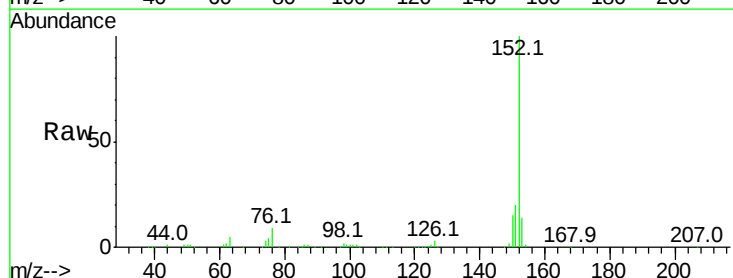
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

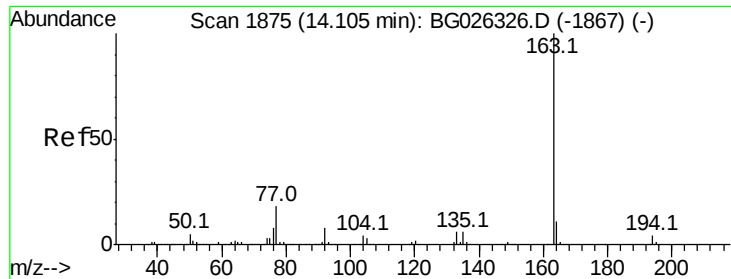
Tot Ion: 65 Resp: 20876
Ion Ratio Lower Upper
65 100
92 67.4 49.0 73.4
138 115.0 58.6 87.8#



#48
Acenaphthylene
Concen: 5.36 ng
RT: 14.38 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion: 152 Resp: 169247
Ion Ratio Lower Upper
152 100
151 20.4 18.2 27.2
153 13.6 11.3 16.9





#49

Dimethylphthalate

Concen: 5.42 ng

RT: 14.10 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

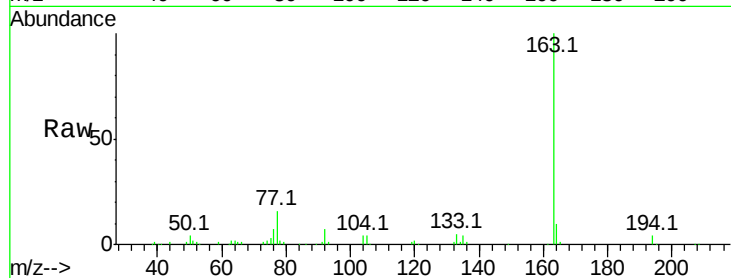
Tot Ion:163 Resp: 122377

Ion Ratio Lower Upper

163 100

194 4.4 3.8 5.6

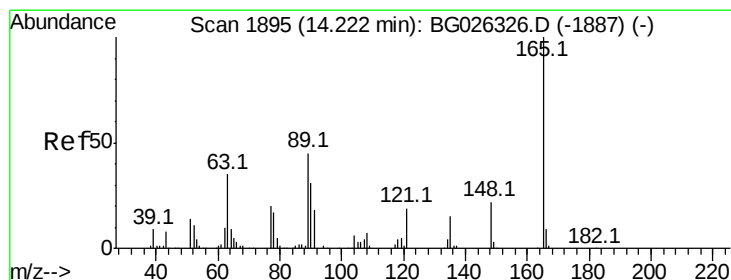
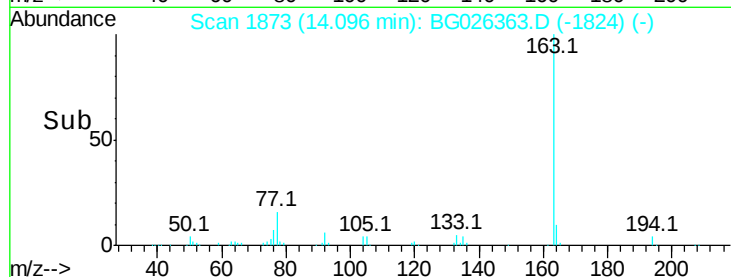
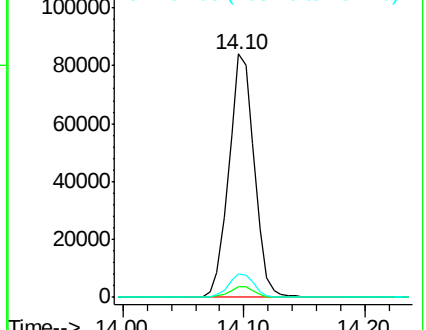
164 9.6 9.3 13.9



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: 5.04 ng

RT: 14.22 min Scan# 1894

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

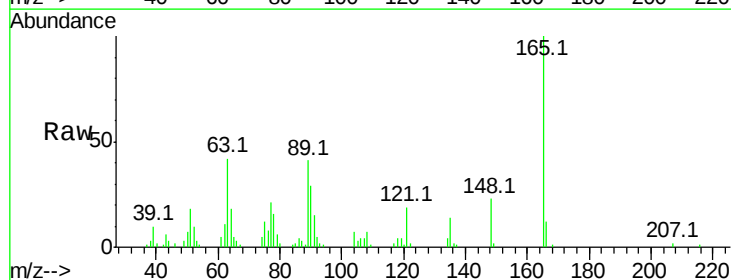
Tgt Ion:165 Resp: 26600

Ion Ratio Lower Upper

165 100

63 42.2 63.9 95.9#

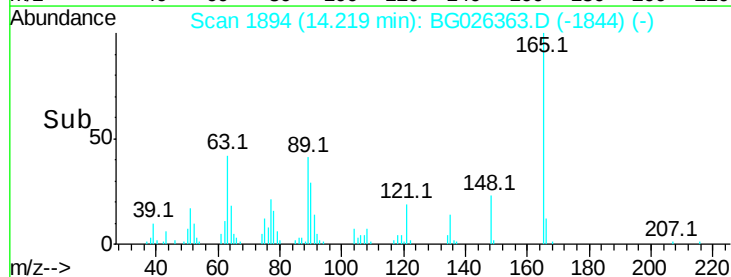
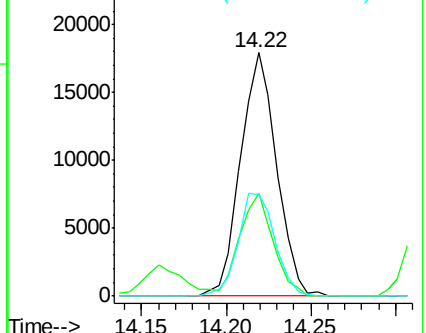
89 41.5 58.6 88.0#

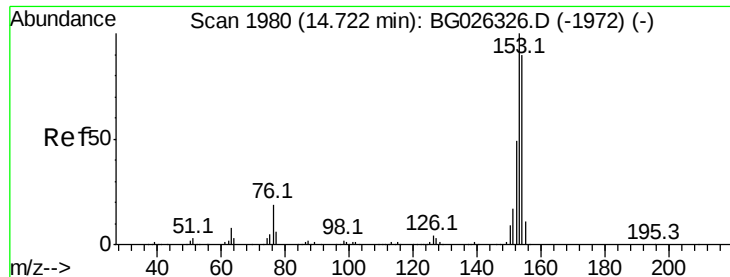


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 5.27 ng

RT: 14.71 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

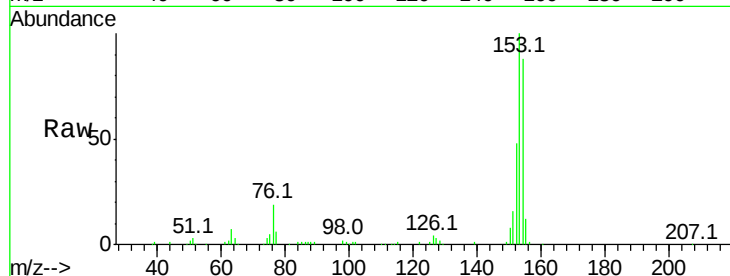
Tot Ion:154 Resp: 102498

Ion Ratio Lower Upper

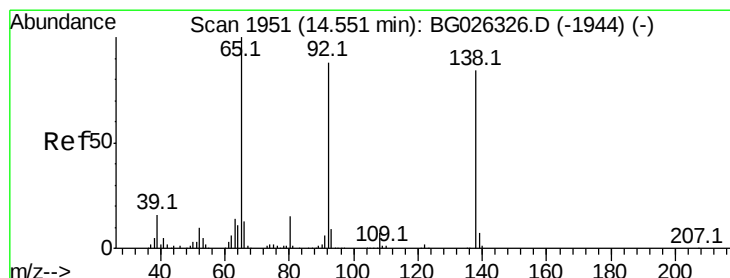
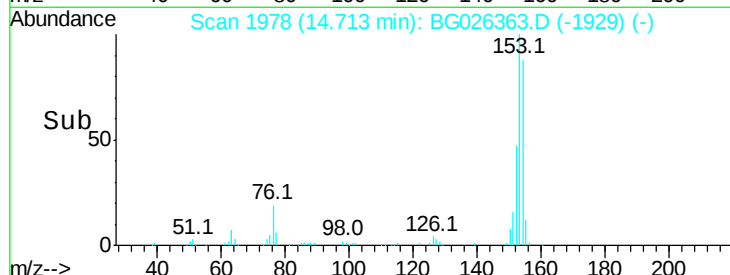
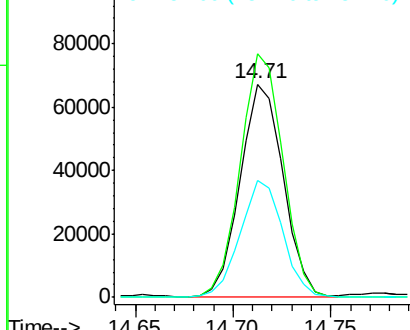
154 100

153 114.2 87.8 131.6

152 54.7 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: 4.48 ng

RT: 14.55 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

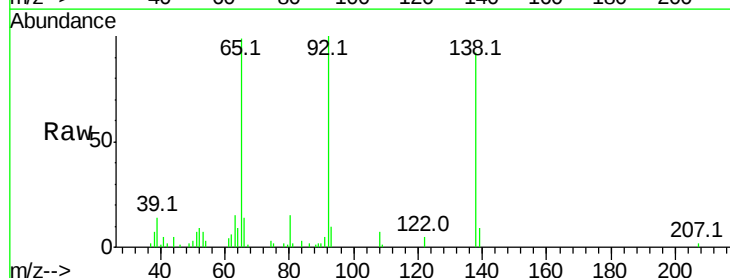
Tgt Ion:138 Resp: 26020

Ion Ratio Lower Upper

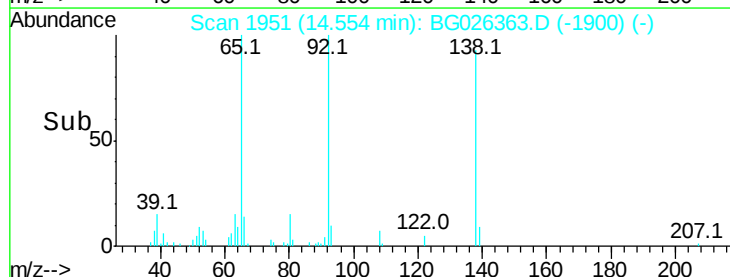
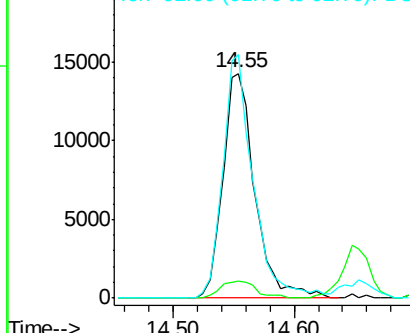
138 100

108 7.6 10.9 16.3#

92 108.5 115.3 172.9#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BG

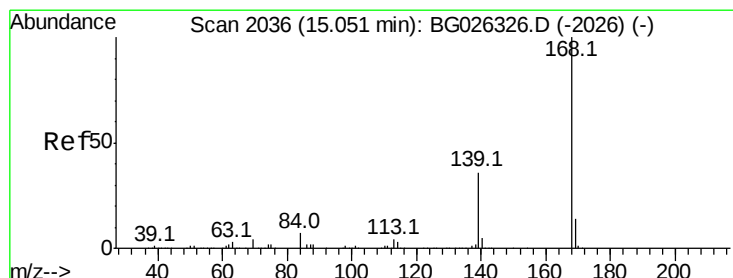
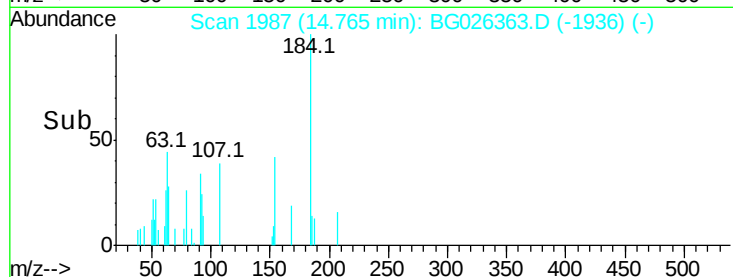
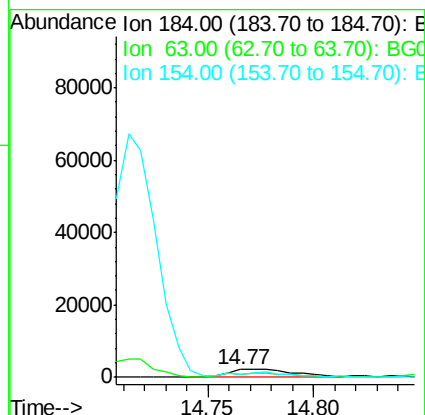
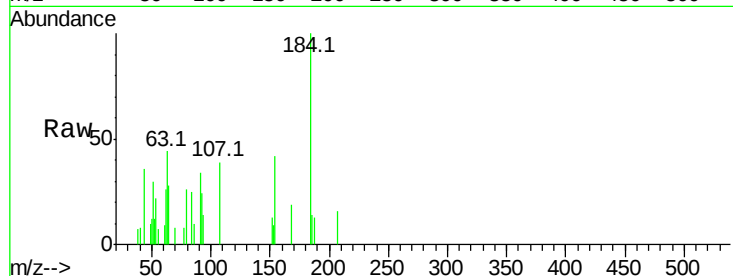




#53
2,4-Dinitrophenol
Concen: 1.57 ng
RT: 14.77 min Scan# 1987
Delta R.T. 0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

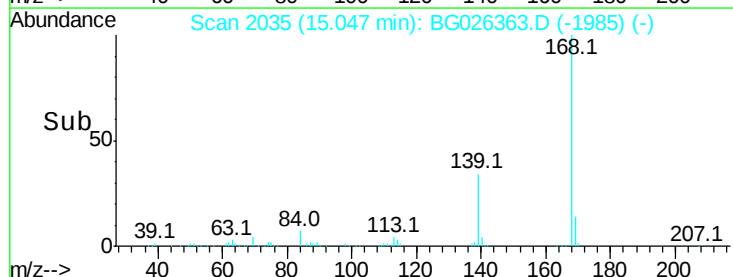
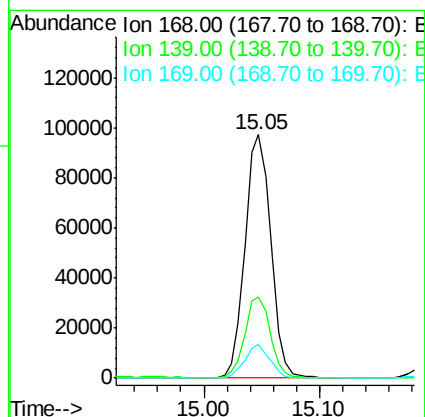
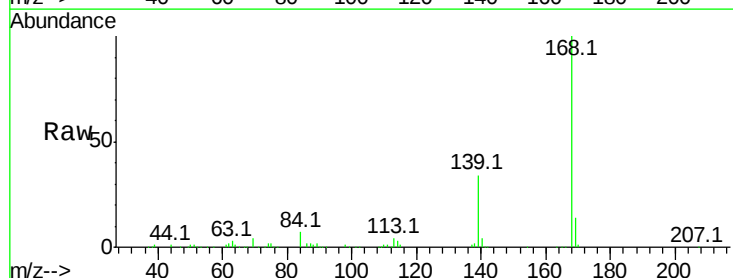
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:184 Resp: 4808
Ion Ratio Lower Upper
184 100
63 43.7 52.7 79.1#
154 42.2 57.3 85.9#



#54
Dibenzofuran
Concen: 5.51 ng
RT: 15.05 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion:168 Resp: 150881
Ion Ratio Lower Upper
168 100
139 33.5 35.3 52.9#
169 13.9 11.5 17.3

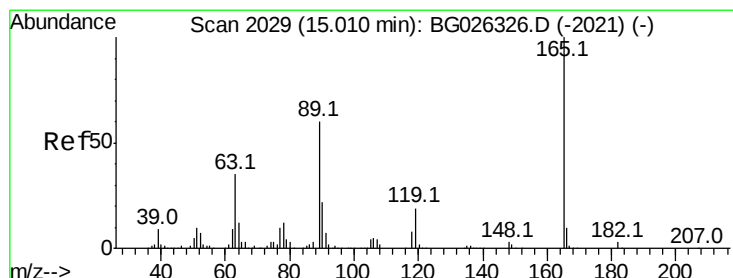
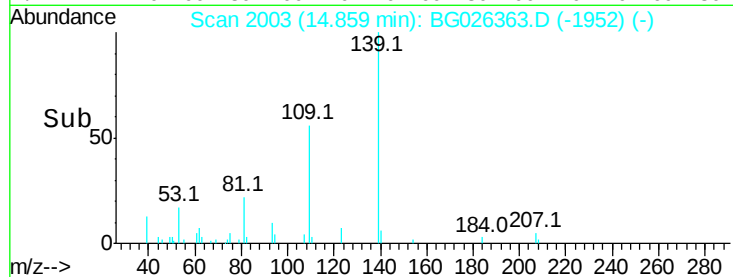
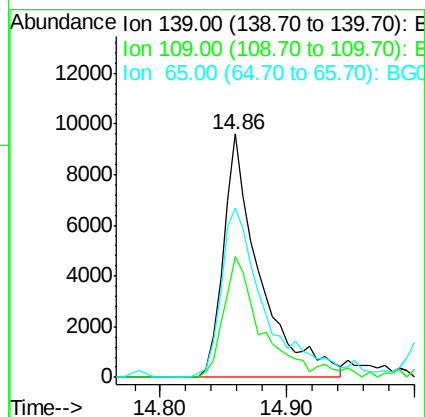
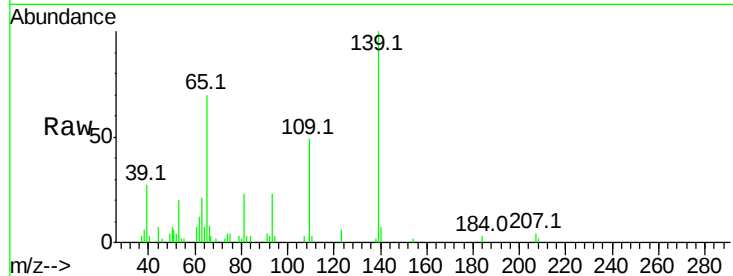




#55
4-Nitrophenol
Concen: 4.01 ng
RT: 14.86 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

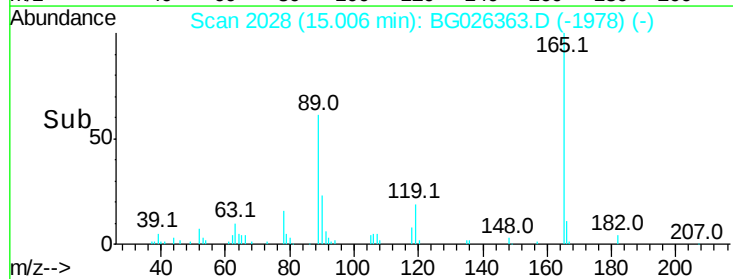
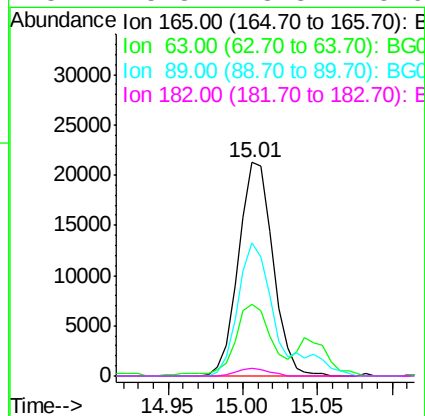
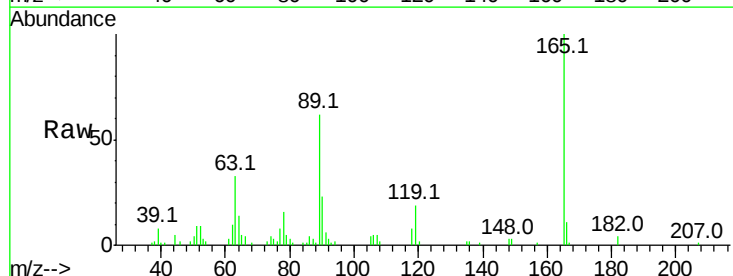
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

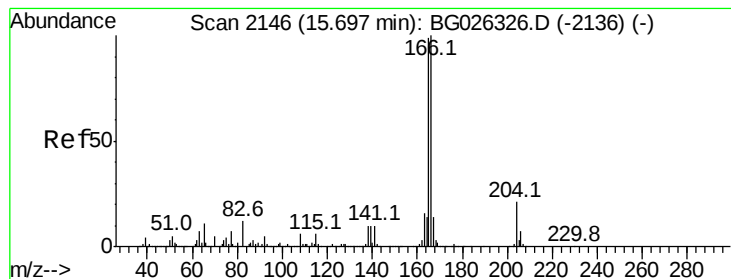
Tot Ion:139 Resp: 19064
Ion Ratio Lower Upper
139 100
109 49.4 101.2 141.2#
65 69.7 135.3 175.3#



#56
2,4-Dinitrotoluene
Concen: 4.60 ng
RT: 15.01 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion:165 Resp: 34160
Ion Ratio Lower Upper
165 100
63 33.3 44.0 66.0#
89 62.4 67.3 100.9#
182 3.8 3.8 5.6





#57

Fluorene

Concen: 5.63 ng

RT: 15.69 min Scan# 2145

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

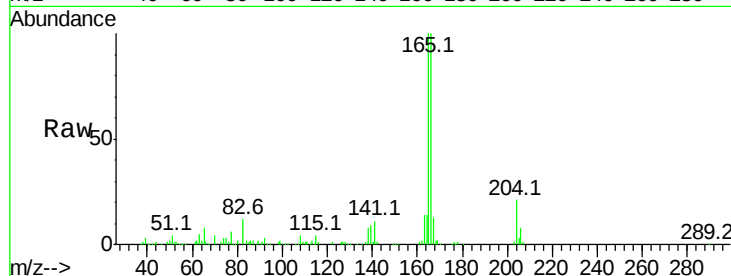
Tot Ion:166 Resp: 137092

Ion Ratio Lower Upper

166 100

165 99.8 78.6 117.8

167 13.5 11.6 17.4

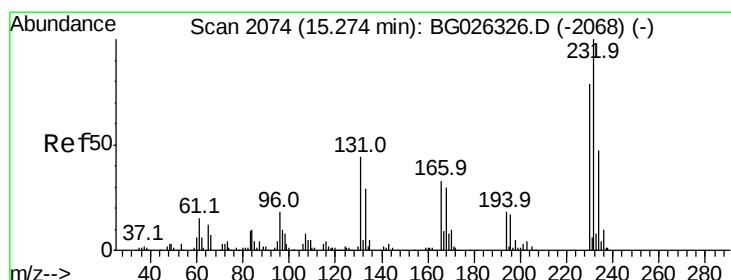
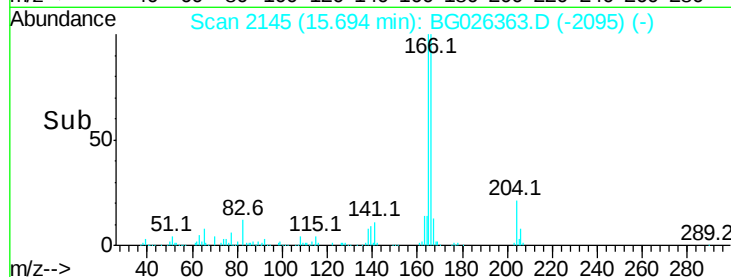
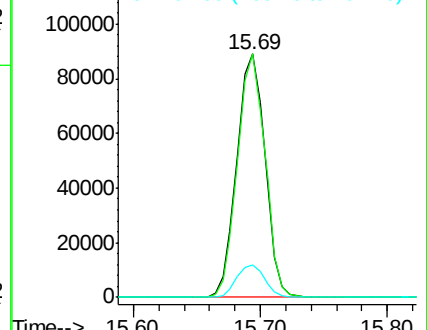


Abundance

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: 5.31 ng

RT: 15.28 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Tgt Ion:232 Resp: 30197

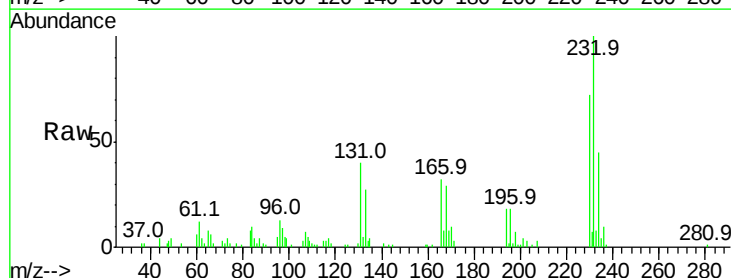
Ion Ratio Lower Upper

232 100

131 41.2 34.9 52.3

130 2.6 2.3 3.5

166 30.5 24.2 36.4



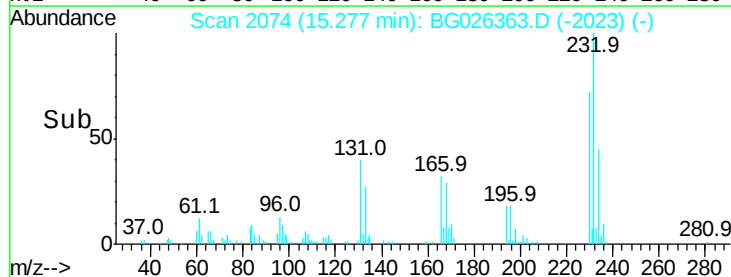
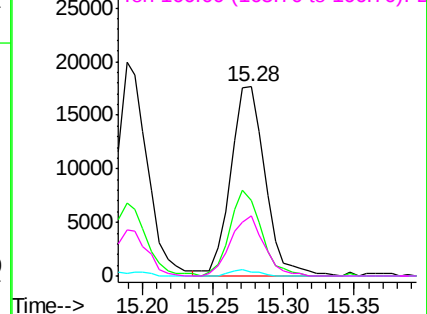
Abundance

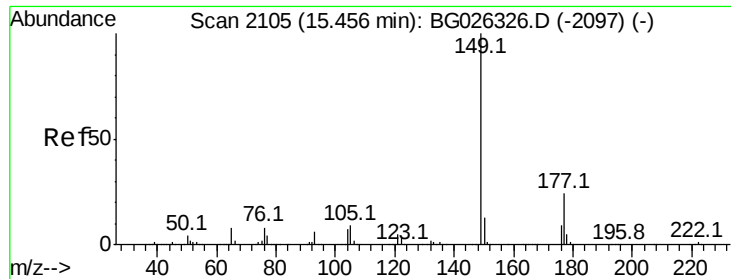
Ion 232.00 (231.70 to 232.70): E

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

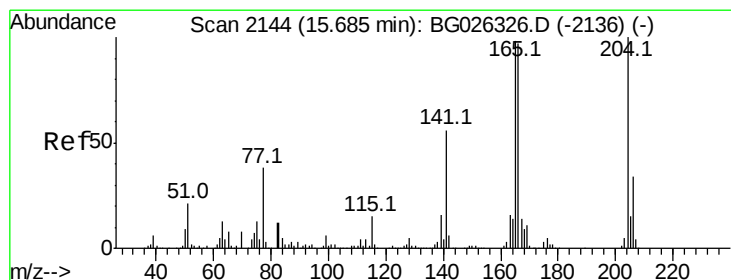
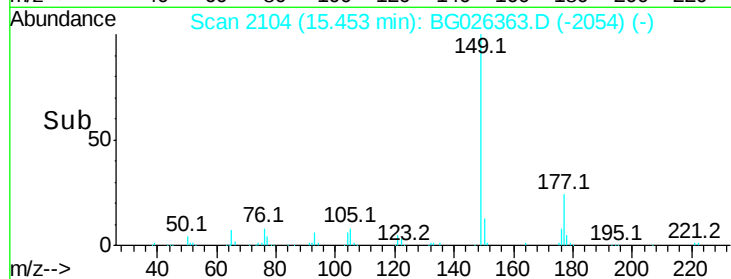
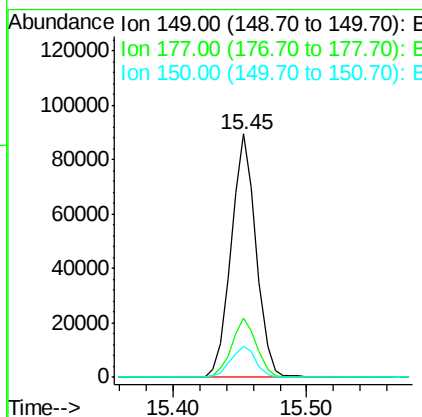
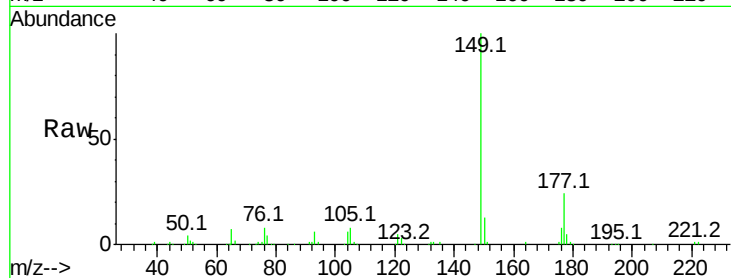




#59
Diethylphthalate
Concen: 5.04 ng
RT: 15.45 min Scan# 2104
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

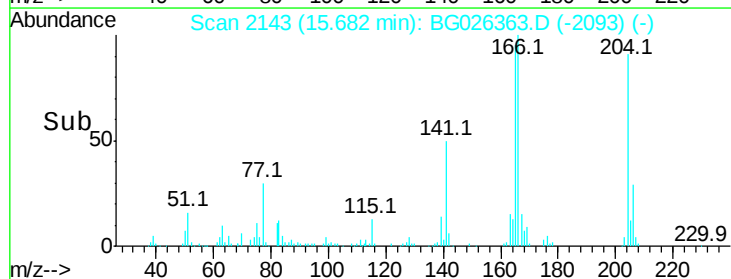
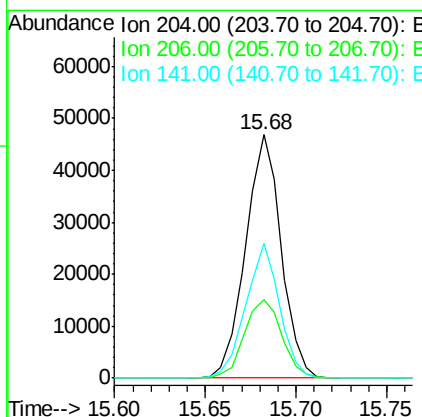
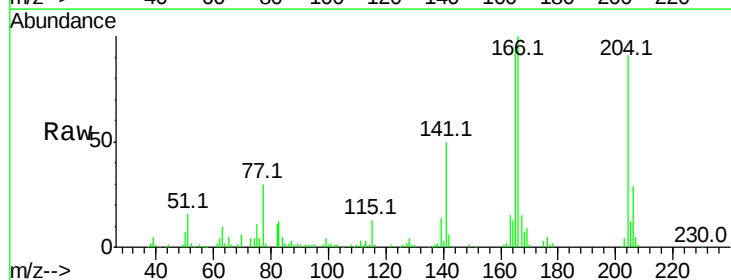
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

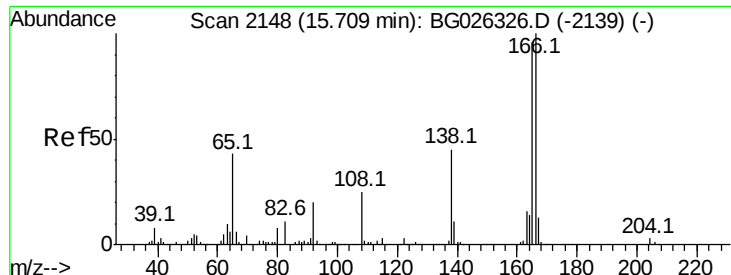
Tot Ion:149 Resp: 116458
Ion Ratio Lower Upper
149 100
177 24.5 20.1 30.1
150 12.9 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 5.51 ng
RT: 15.68 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion:204 Resp: 63656
Ion Ratio Lower Upper
204 100
206 32.2 30.1 45.1
141 55.3 50.6 76.0

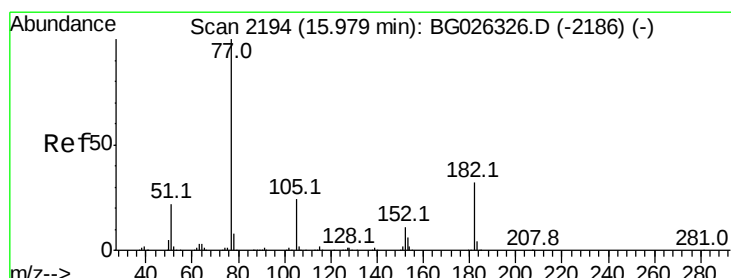
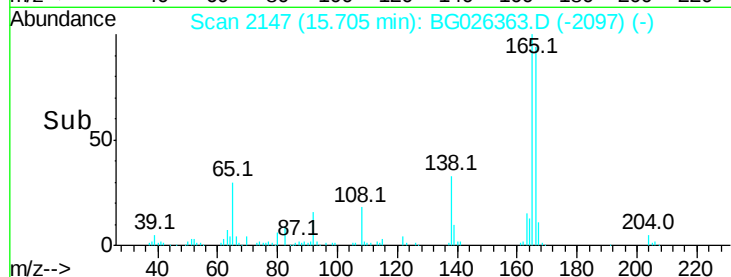
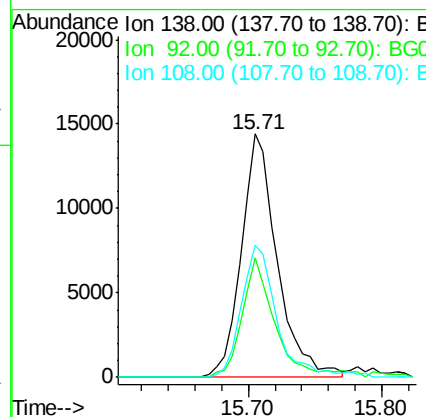
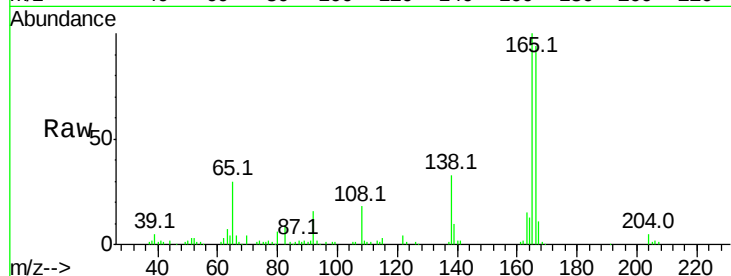




#61
4-Nitroaniline
Concen: 4.35 ng
RT: 15.71 min Scan# 2147
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

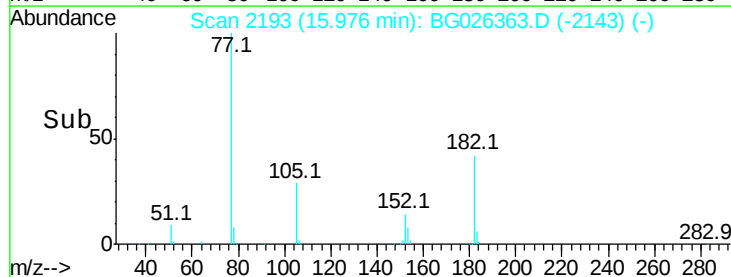
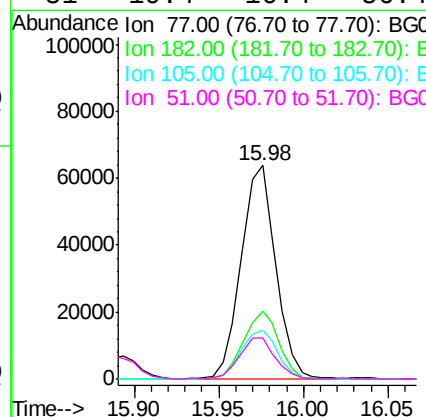
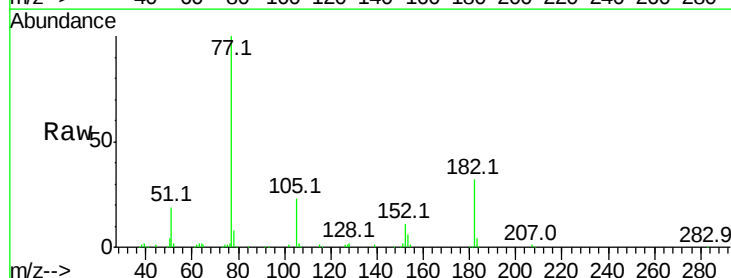
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

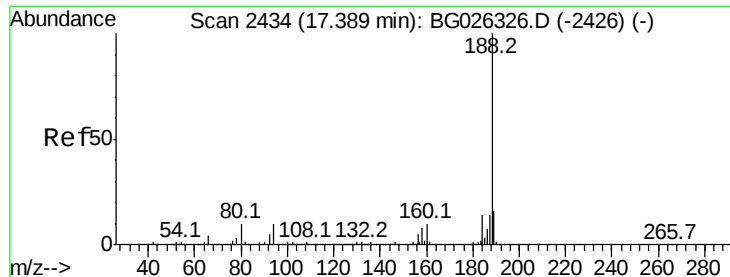
Tot Ion:138 Resp: 26694
Ion Ratio Lower Upper
138 100
92 49.2 44.2 84.2
108 54.5 104.8 144.8#



#62
Azobenzene
Concen: 4.86 ng
RT: 15.98 min Scan# 2193
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion: 77 Resp: 91235
Ion Ratio Lower Upper
77 100
182 32.0 4.7 44.7
105 22.6 0.0 36.3
51 19.4 16.4 56.4

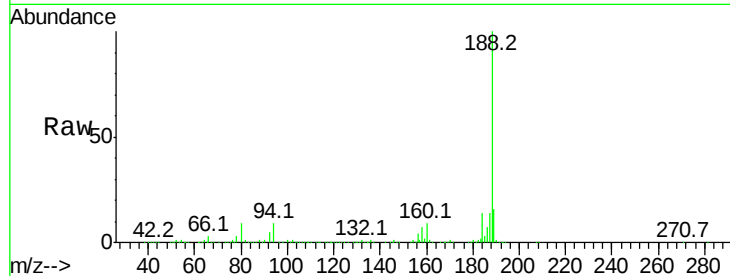




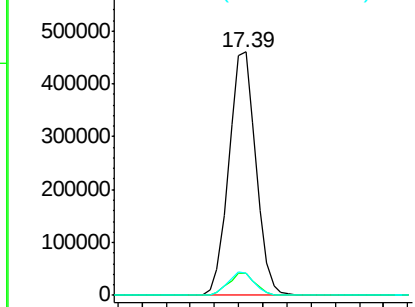
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.39 min Scan# 2433
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

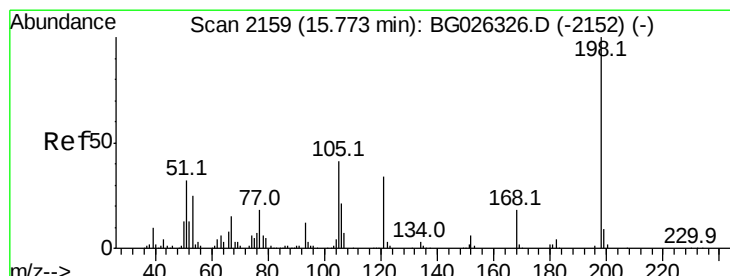
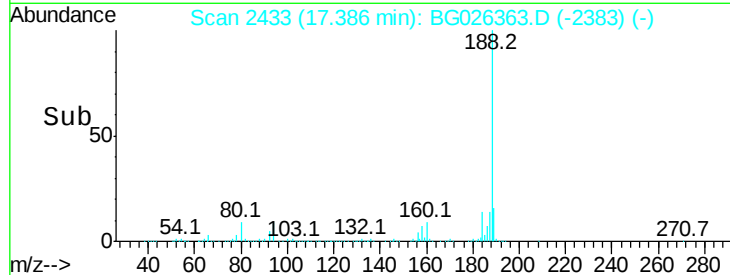
Tot Ion:188 Resp: 716958
Ion Ratio Lower Upper
188 100
94 9.0 5.8 8.8#
80 9.2 7.5 11.3



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

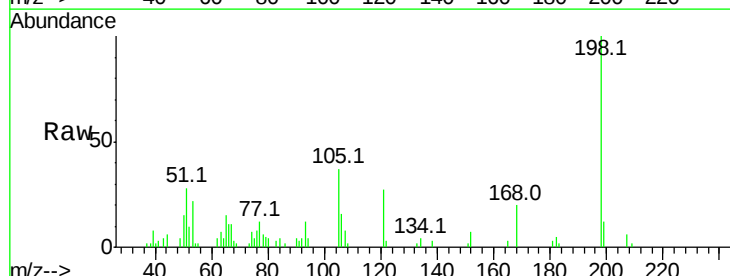


Time--> 17.30 17.40 17.50

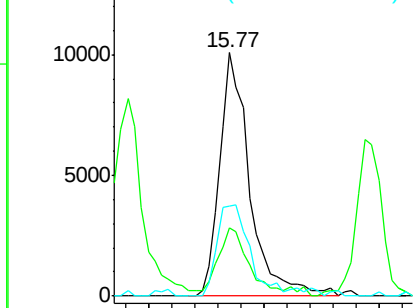


#64
4,6-Dinitro-2-methylphenol
Concen: 4.03 ng
RT: 15.77 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

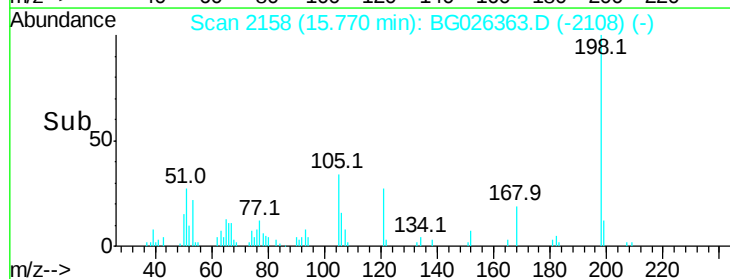
Tgt Ion:198 Resp: 18202
Ion Ratio Lower Upper
198 100
51 28.3 22.6 62.6
105 37.0 14.4 54.4

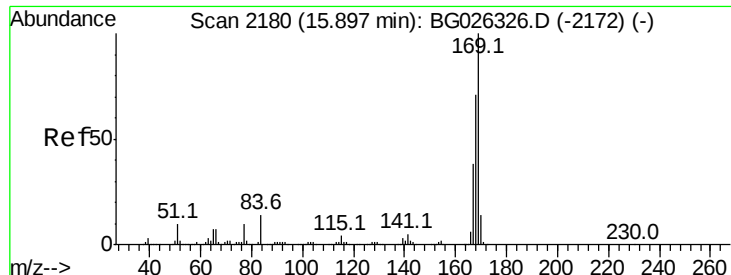


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E



Time--> 15.70 15.80 15.90

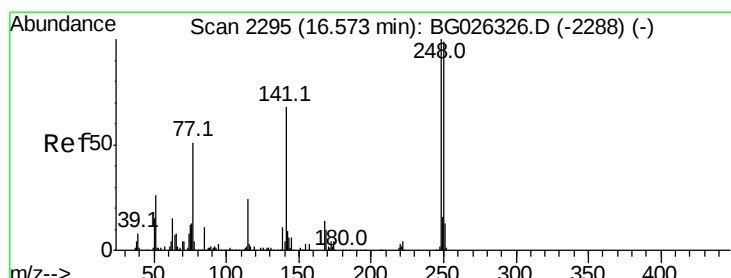
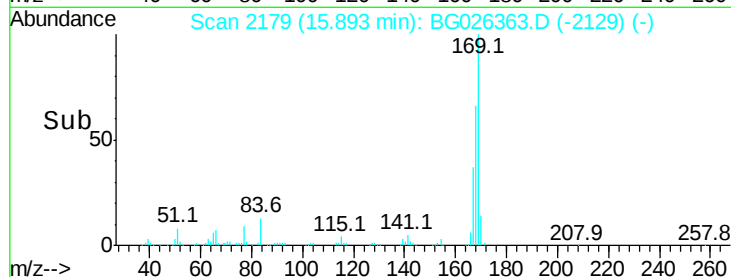
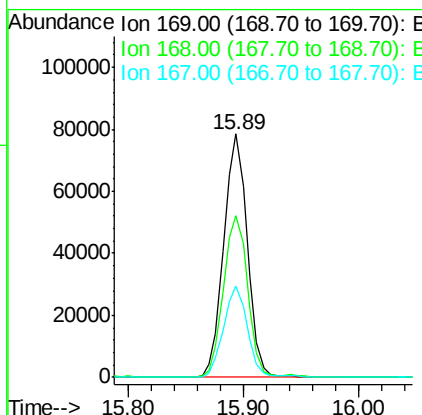
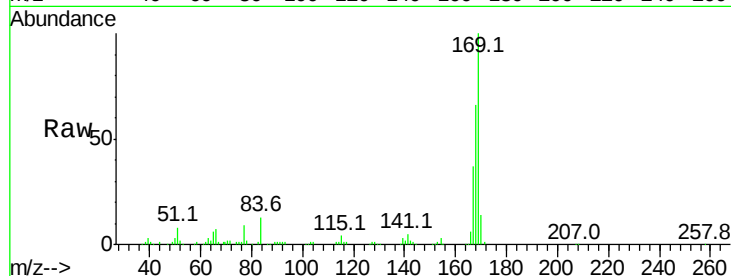




#65
 n-Nitrosodiphenylamine
 Concen: 5.28 ng
 RT: 15.89 min Scan# 2179
 Delta R.T. -0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

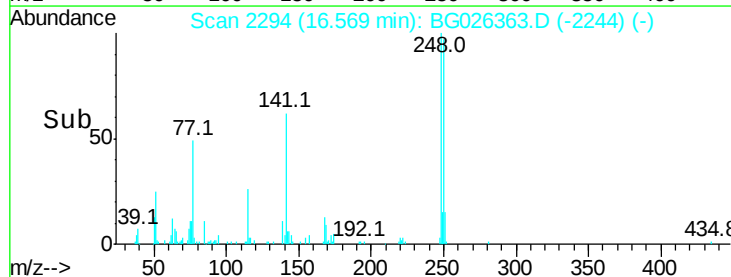
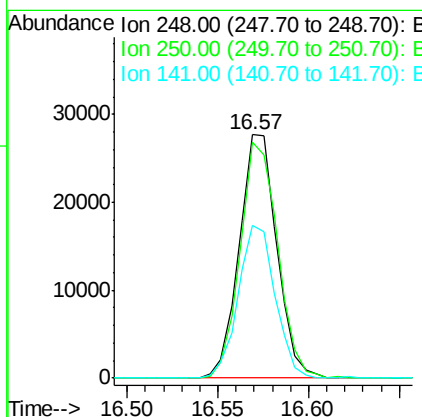
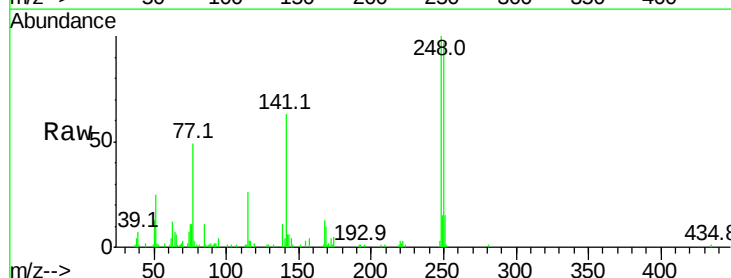
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

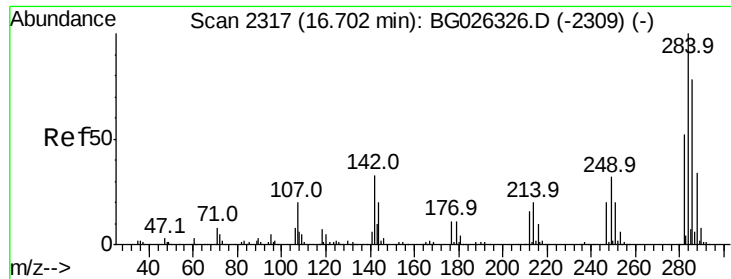
Tot Ion:169 Resp: 111012
 Ion Ratio Lower Upper
 169 100
 168 66.2 55.7 83.5
 167 37.3 29.8 44.6



#66
 4-Bromophenyl-phenylether
 Concen: 5.43 ng
 RT: 16.57 min Scan# 2294
 Delta R.T. -0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

Tgt Ion:248 Resp: 40063
 Ion Ratio Lower Upper
 248 100
 250 97.1 75.0 112.6
 141 62.7 55.2 82.8





#67

Hexachlorobenzene

Concen: 5.46 ng

RT: 16.70 min Scan# 2316

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

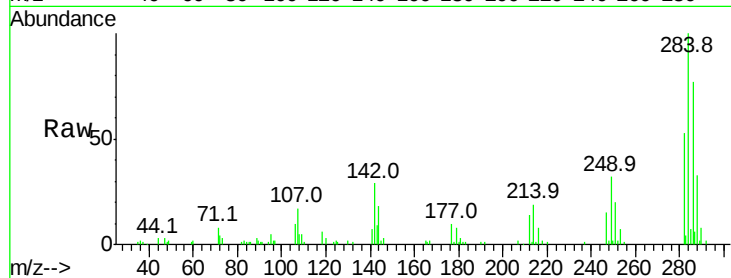
Tot Ion:284 Resp: 43015

Ion Ratio Lower Upper

284 100

142 29.3 29.9 44.9#

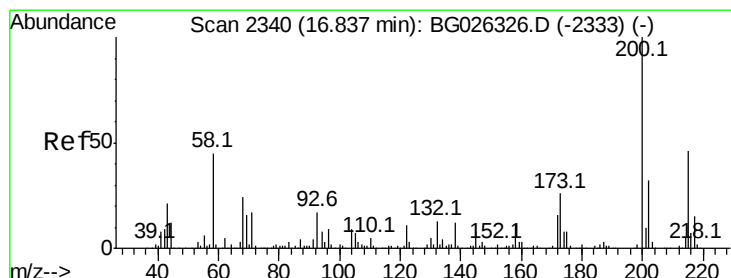
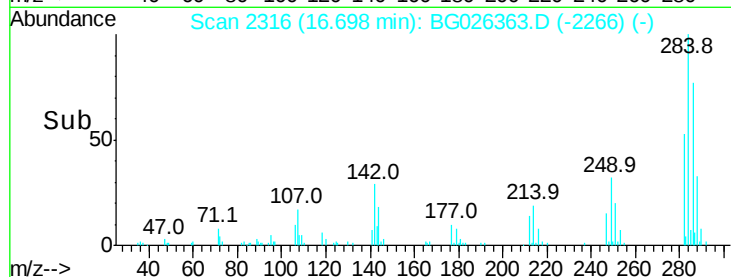
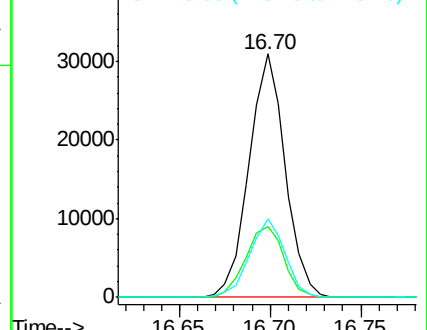
249 32.3 29.2 43.8



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: 4.91 ng

RT: 16.83 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

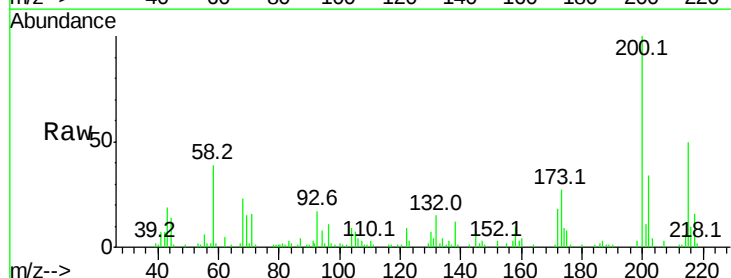
Tgt Ion:200 Resp: 39105

Ion Ratio Lower Upper

200 100

173 26.9 3.0 43.0

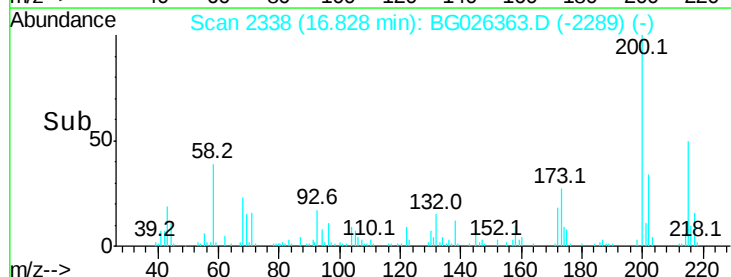
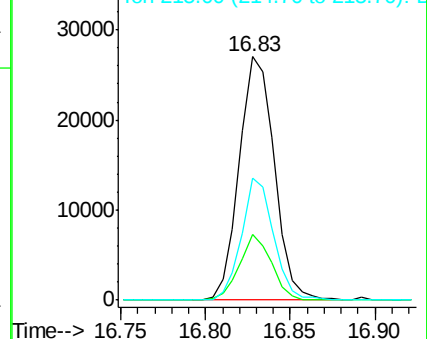
215 49.9 28.4 68.4

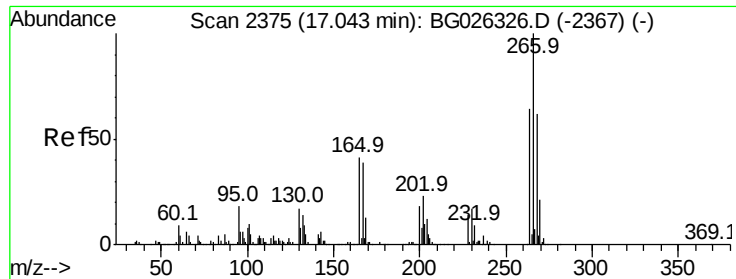


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

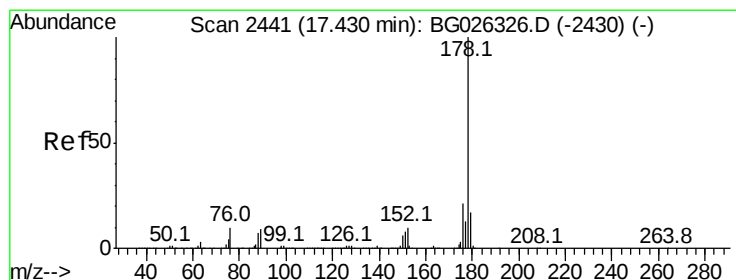
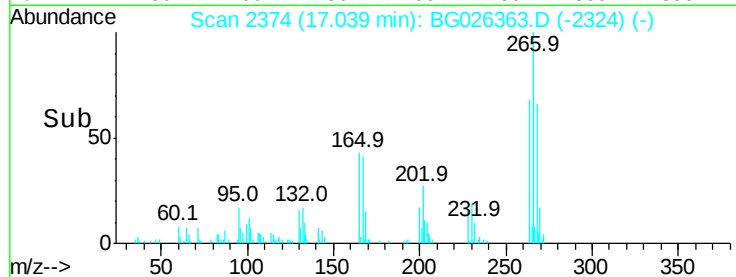
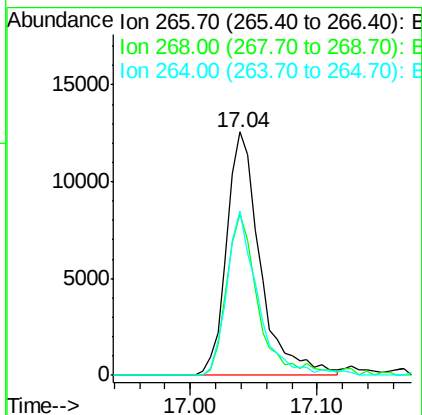
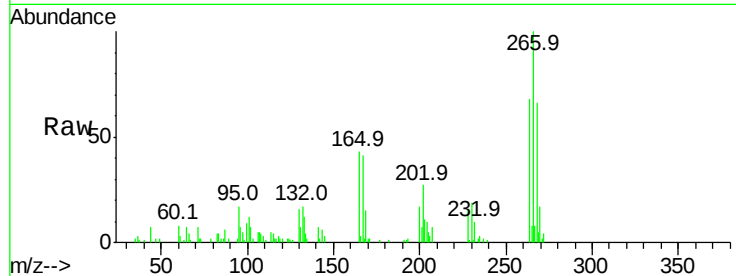




#69
 Pentachlorophenol
 Concen: 4.49 ng
 RT: 17.04 min Scan# 2374
 Delta R.T. -0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

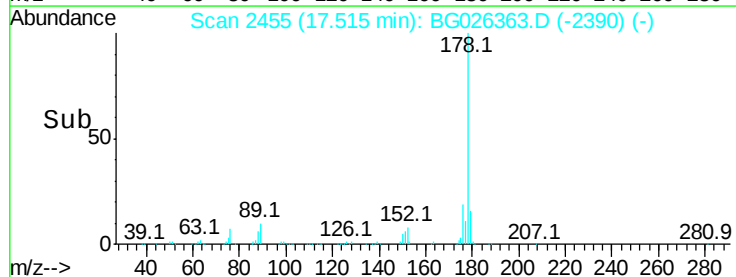
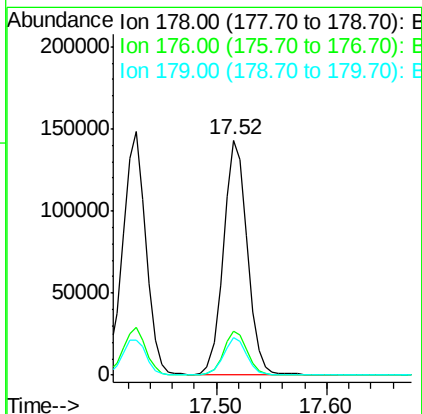
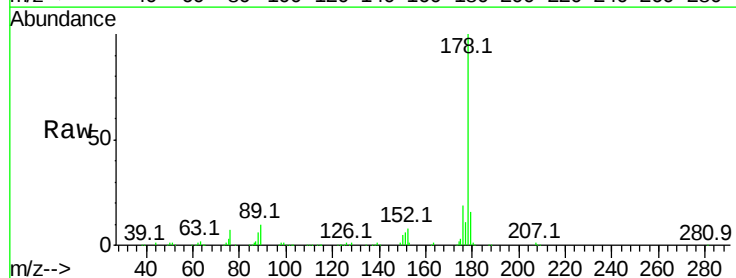
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion	Ratio	Lower	Upper
266	100		
268	66.4	48.6	72.8
264	67.6	50.1	75.1



#70
 Phenanthrene
 Concen: 5.60 ng
 RT: 17.52 min Scan# 2455
 Delta R.T. 0.08 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	17.7	26.5
179	16.1	15.0	22.6





#71

Anthracene

Concen: 5.49 ng

RT: 17.52 min Scan# 2455

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

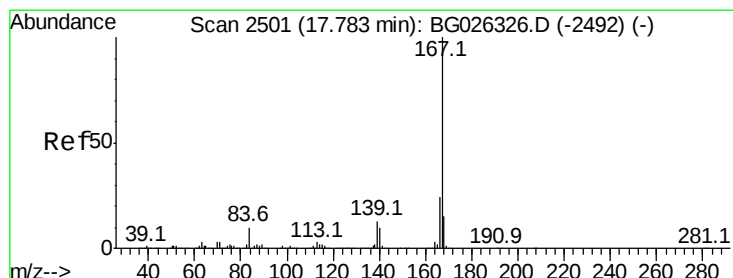
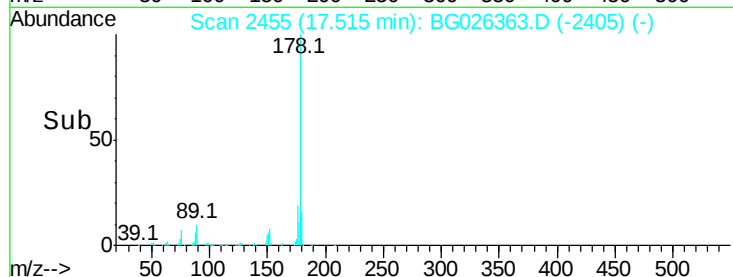
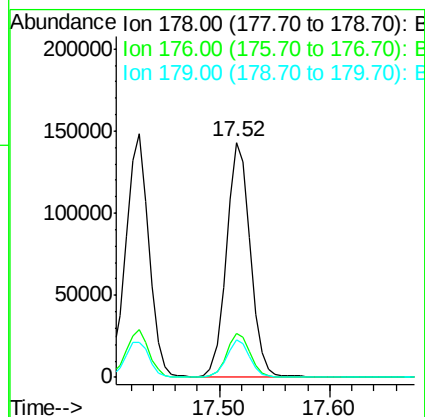
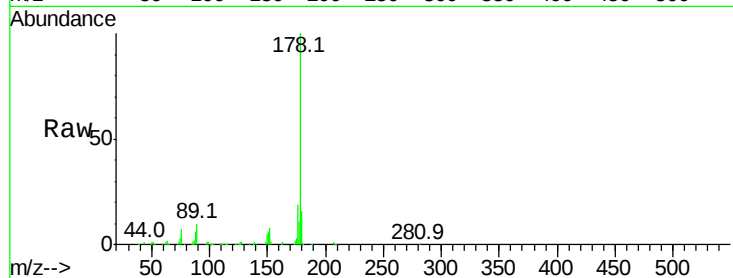
Tot Ion:178 Resp: 215535

Ion Ratio Lower Upper

178 100

176 18.5 16.4 24.6

179 16.1 13.8 20.8



#72

Carbazole

Concen: 5.49 ng

RT: 17.78 min Scan# 2500

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

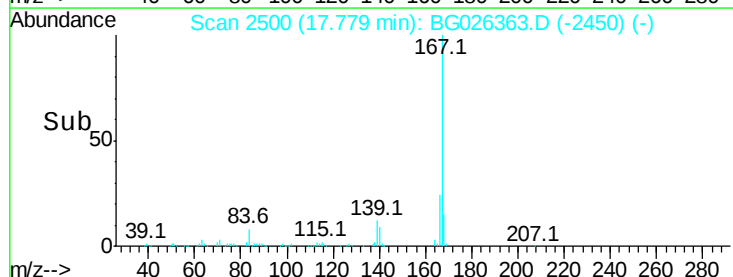
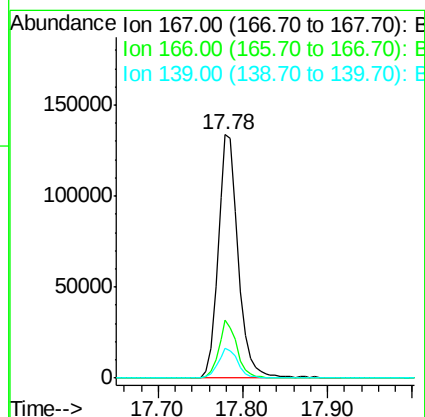
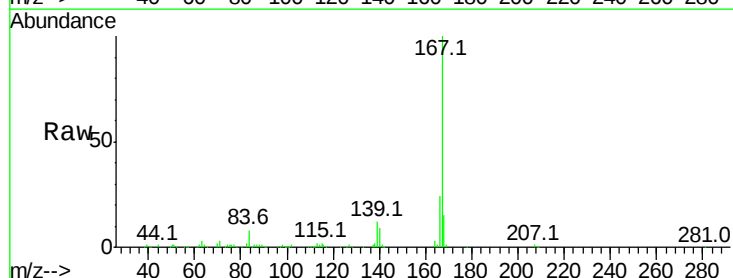
Tgt Ion:167 Resp: 222125

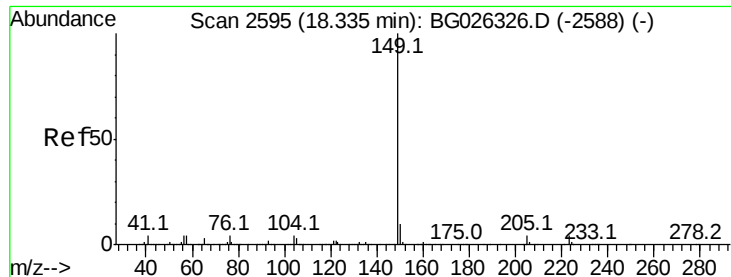
Ion Ratio Lower Upper

167 100

166 24.0 20.2 30.2

139 12.0 12.8 19.2#

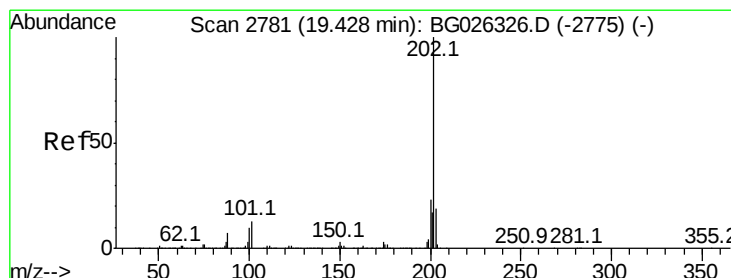
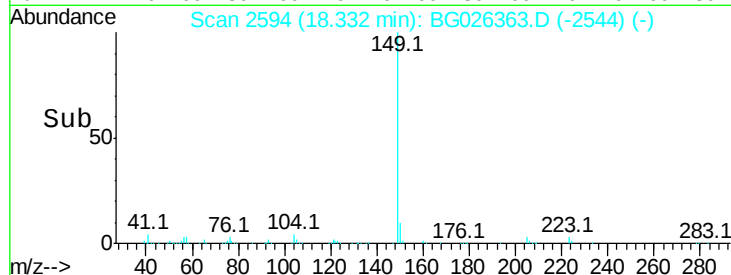
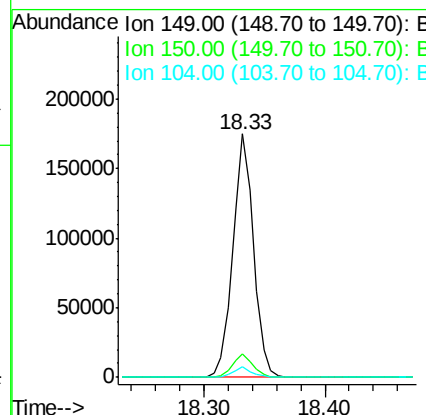
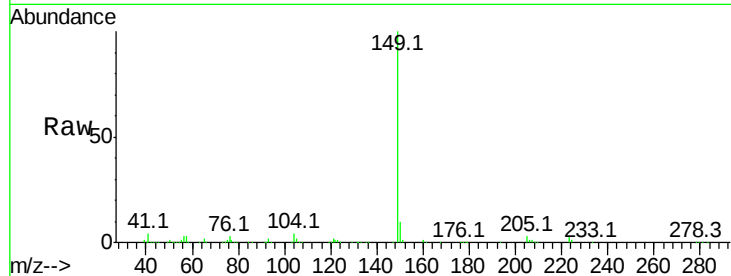




#73
Di-n-butylphthalate
Concen: 4.99 ng
RT: 18.33 min Scan# 2594
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

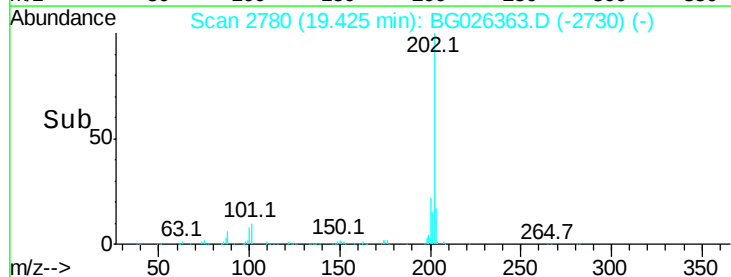
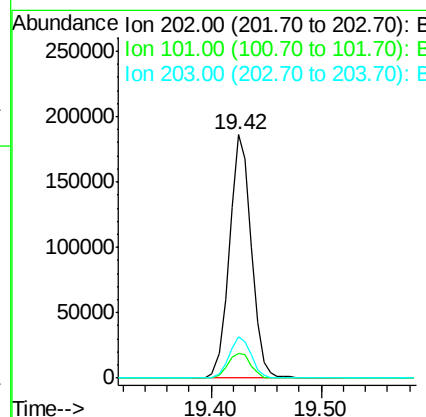
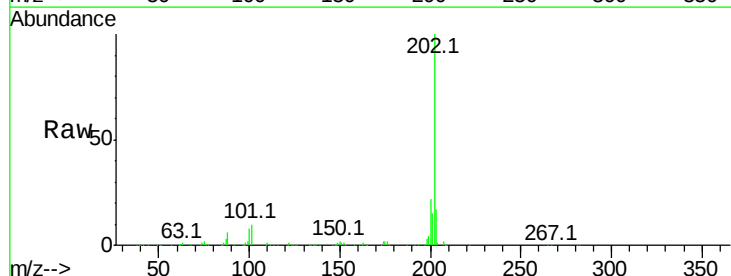
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

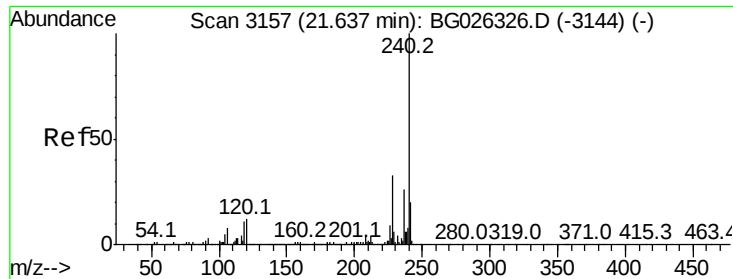
Tot Ion	Ratio	Lower	Upper
149	100		
150	9.5	9.1	13.7
104	4.1	6.7	10.1



#74
Fluoranthene
Concen: 5.72 ng
RT: 19.42 min Scan# 2780
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.1
203	17.1	1.3	41.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

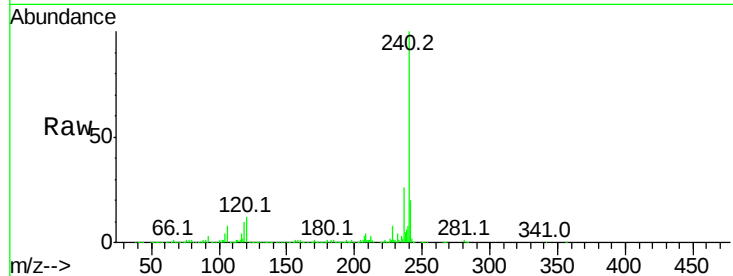
Tot Ion:240 Resp: 883394

Ion Ratio Lower Upper

240 100

120 12.0 5.7 8.5#

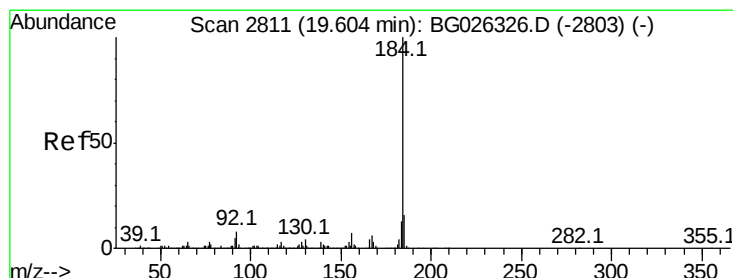
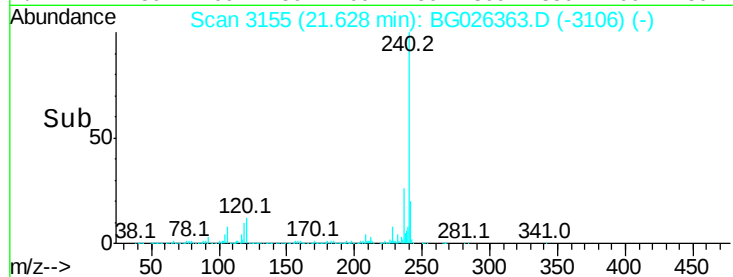
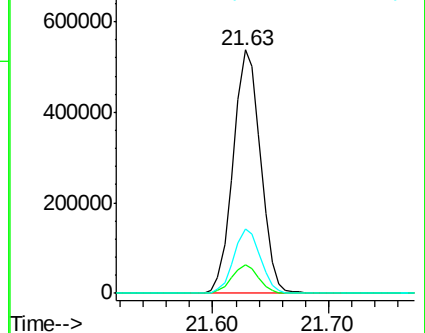
236 26.3 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 4.30 ng

RT: 19.60 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

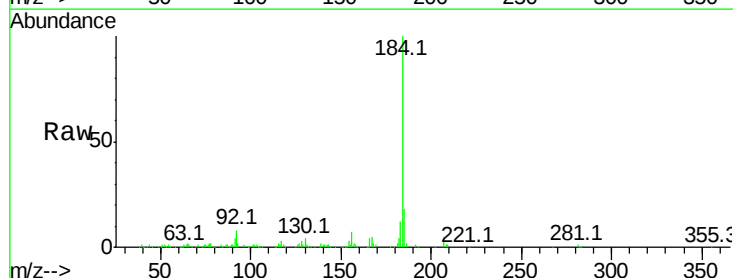
Tgt Ion:184 Resp: 130959

Ion Ratio Lower Upper

184 100

185 18.0 13.0 19.6

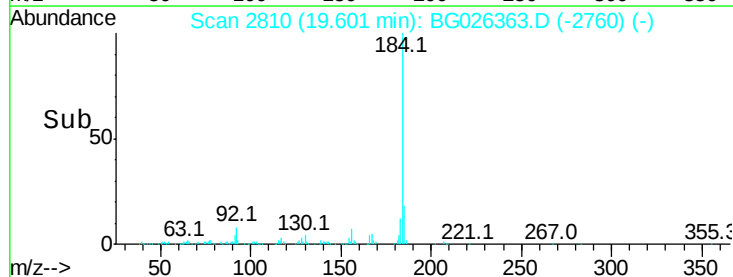
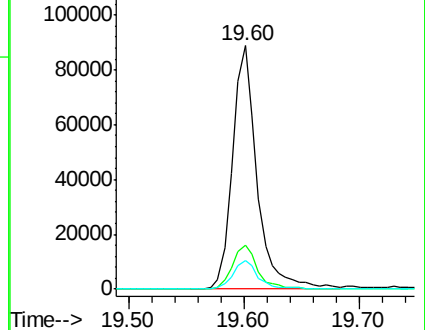
183 12.0 11.0 16.6

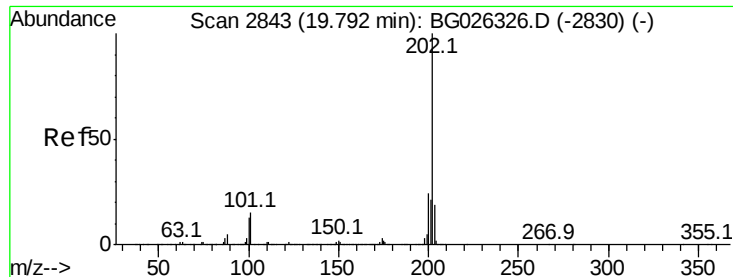


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

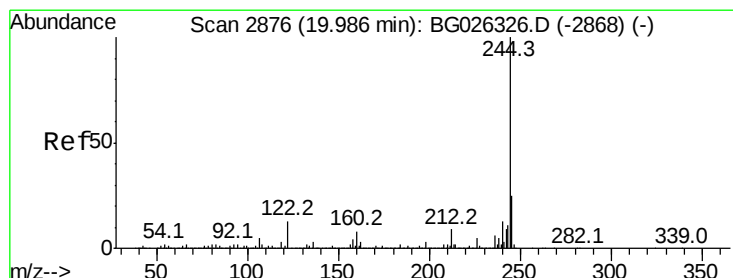
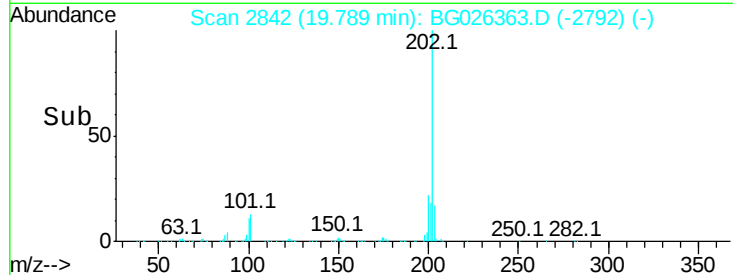
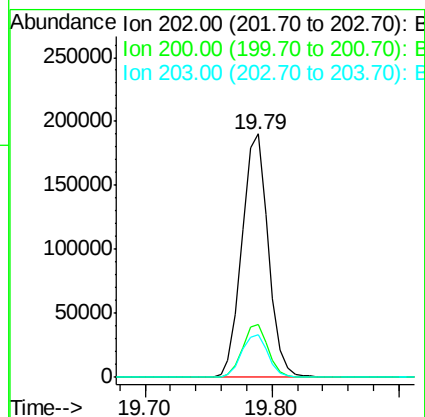
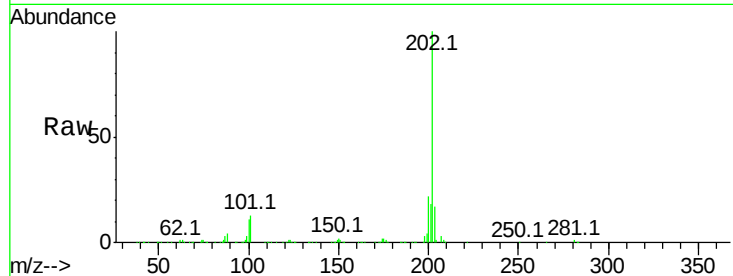




#77
Pvrene
Concen: 5.34 ng
RT: 19.79 min Scan# 2842
Delta R.T. -0.00 min
Lab File: BG026363.D
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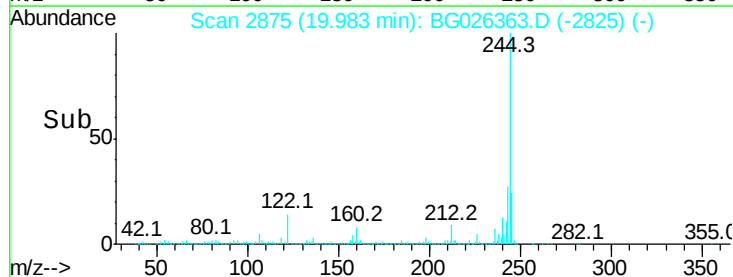
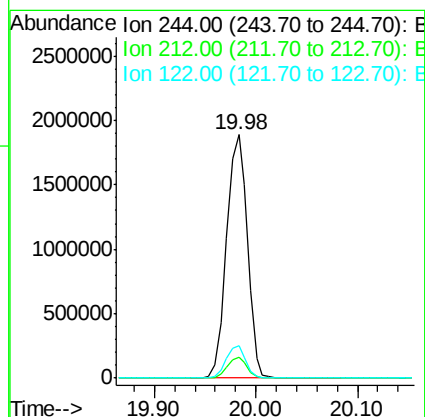
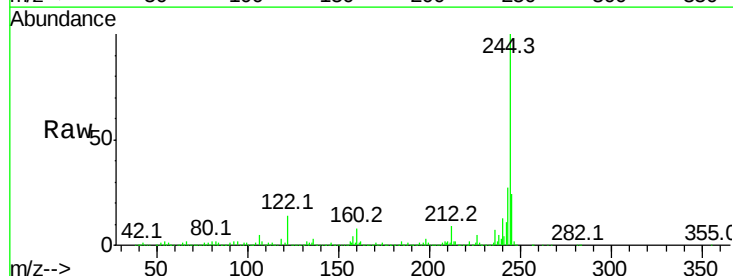
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

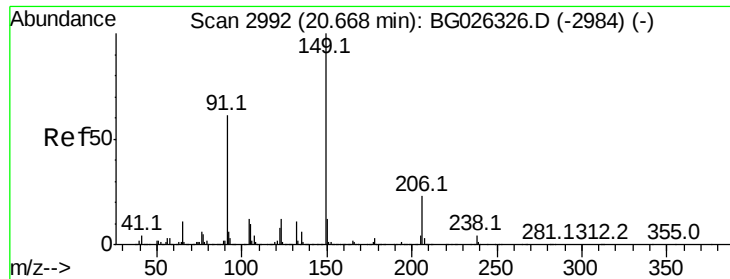
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	19.6	29.4
203	17.3	15.8	23.8



#78
Terphenyl-d14
Concen: 73.96 ng
RT: 19.98 min Scan# 2875
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.8	10.0	15.0#
122	13.6	8.6	12.8#

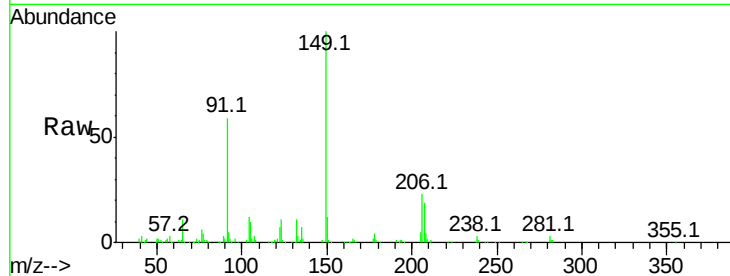




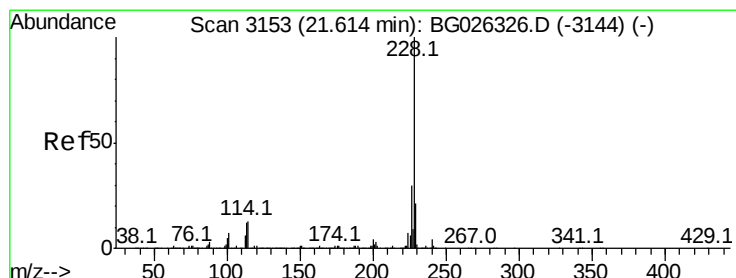
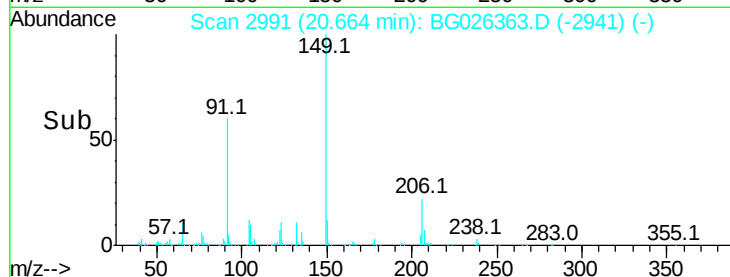
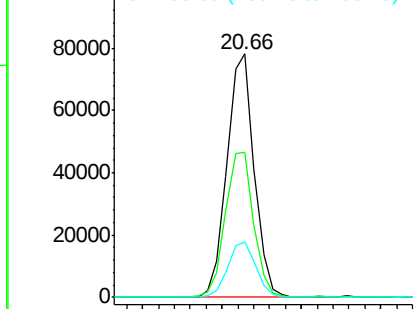
#79
Butylbenzylphthalate
Concen: 4.55 ng
RT: 20.66 min Scan# 2991
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion	Ratio	Lower	Upper
149	100		
91	59.5	63.5	95.3#
206	22.6	21.0	31.6

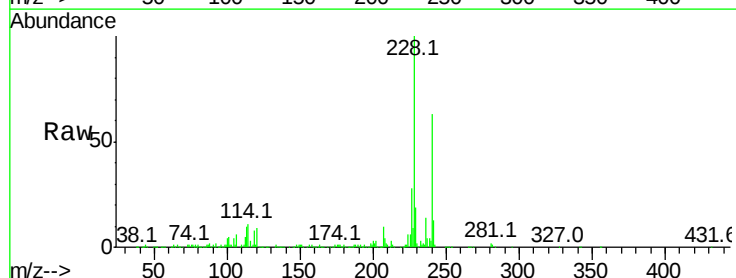


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

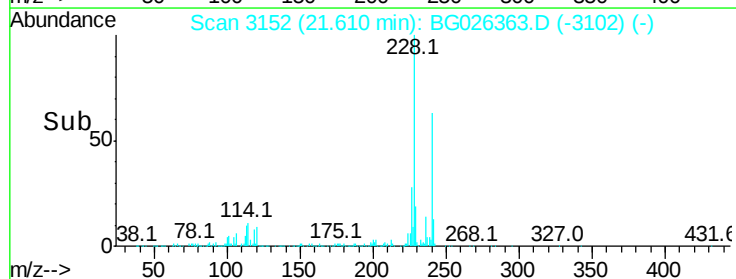
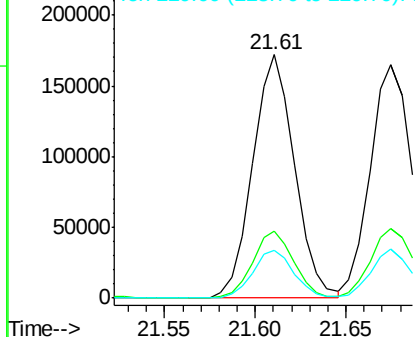


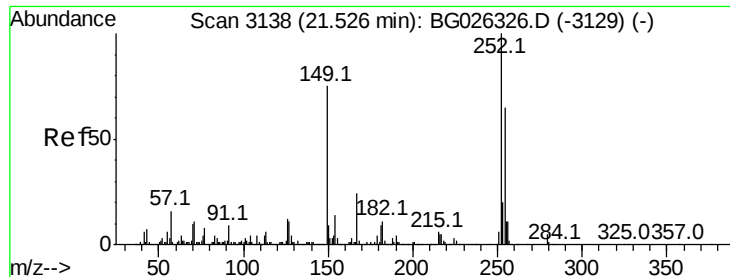
#80
Benzo(a)anthracene
Concen: 5.58 ng
RT: 21.61 min Scan# 3152
Delta R.T. -0.00 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	24.9	37.3
229	19.5	18.2	27.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

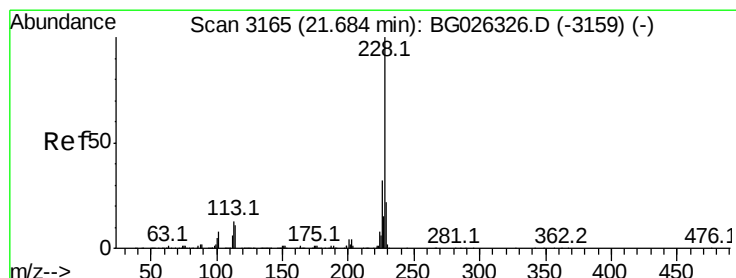
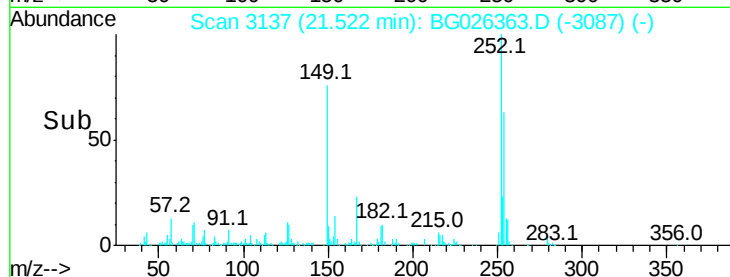
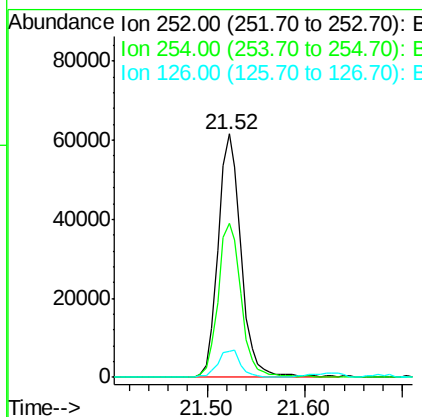
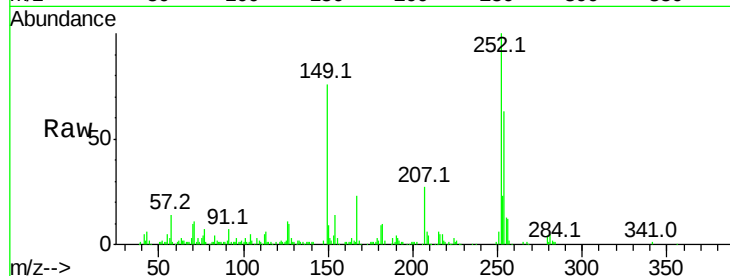




#81
 3,3'-Dichlorobenzidine
 Concen: 4.92 ng
 RT: 21.52 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

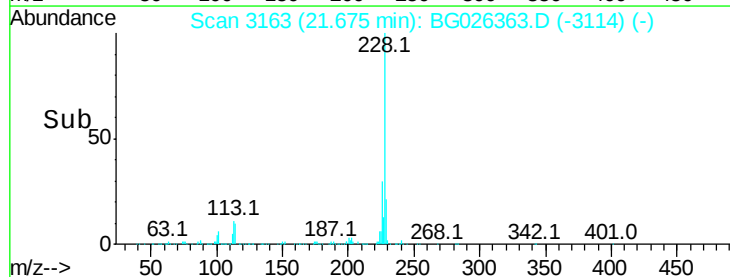
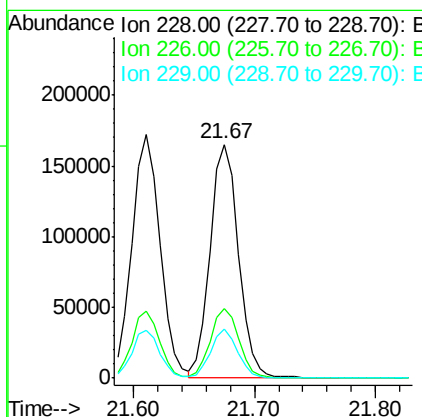
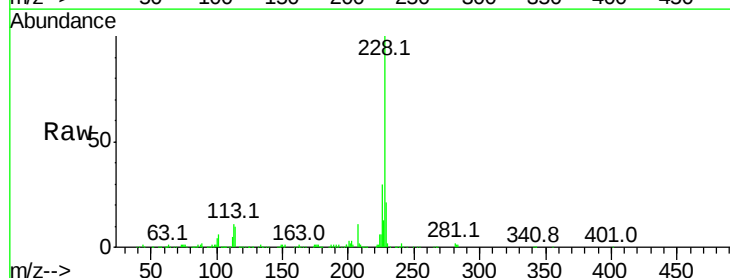
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

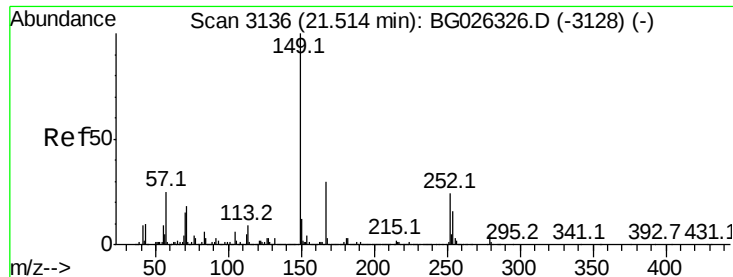
Tot Ion:252 Resp: 100127
 Ion Ratio Lower Upper
 252 100
 254 63.2 53.1 79.7
 126 10.8 7.0 10.4#



#82
 Chrysene
 Concen: 5.58 ng
 RT: 21.67 min Scan# 3163
 Delta R.T. -0.01 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

Tgt Ion:228 Resp: 264935
 Ion Ratio Lower Upper
 228 100
 226 29.9 27.0 40.4
 229 20.9 17.8 26.6

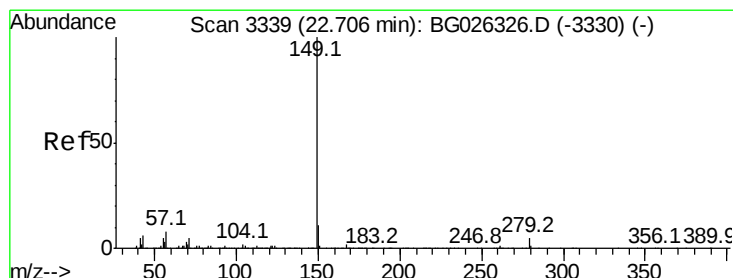
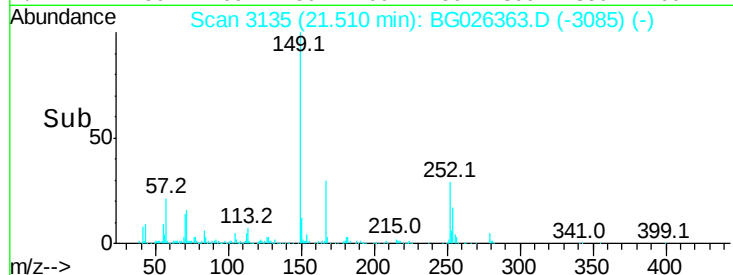
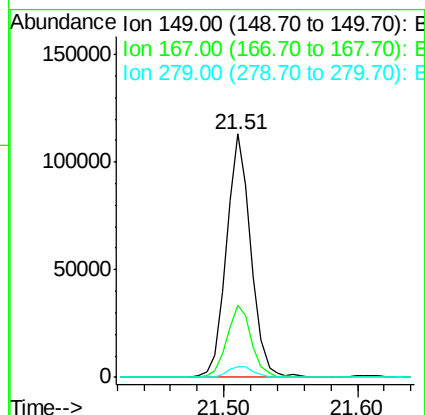
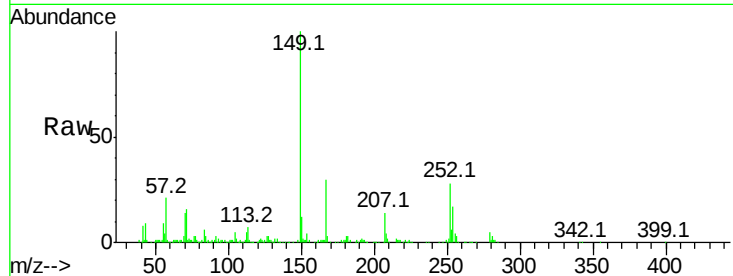




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.65 ng
 RT: 21.51 min Scan# 3135
 Delta R.T. -0.00 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

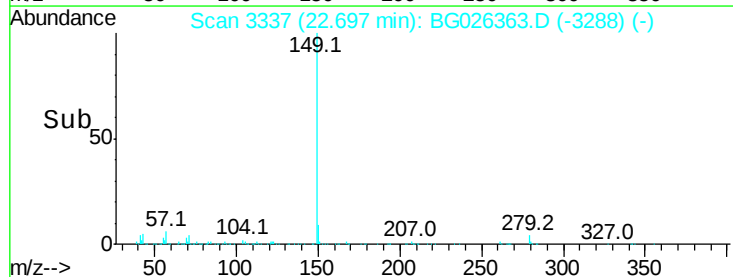
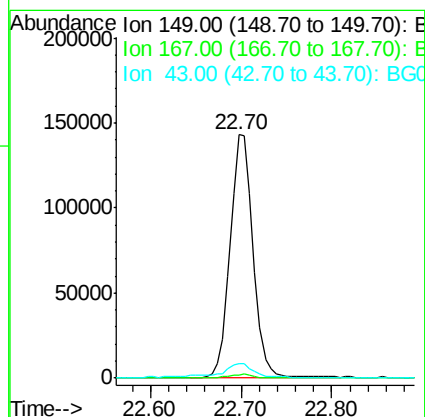
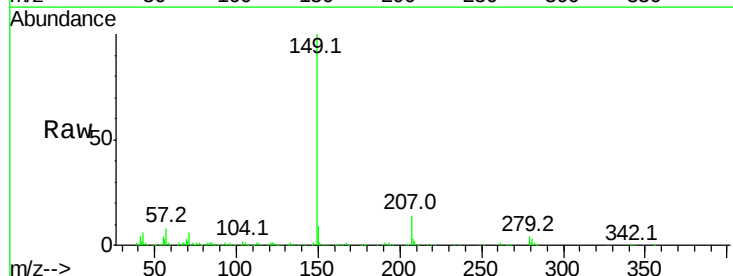
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

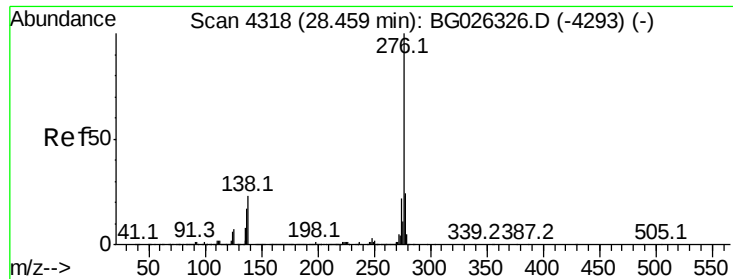
Tot Ion:149 Resp: 143750
 Ion Ratio Lower Upper
 149 100
 167 29.6 23.7 35.5
 279 4.5 4.6 6.8#



#84
 Di-n-octyl phthalate
 Concen: 4.77 ng
 RT: 22.70 min Scan# 3337
 Delta R.T. -0.01 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

Tgt Ion:149 Resp: 251557
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.4 2.2
 43 6.8 11.8 17.6#

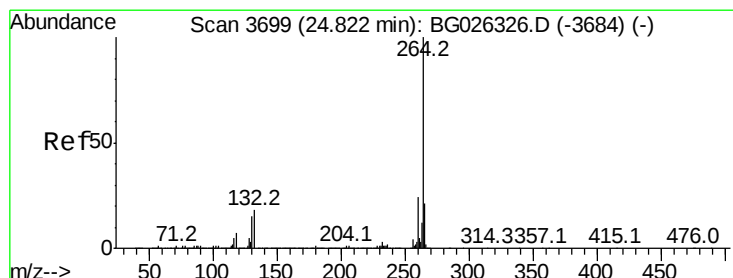
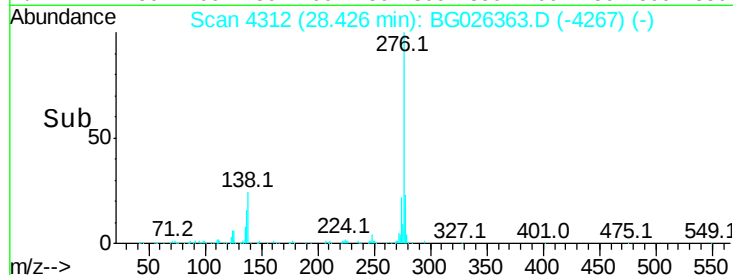
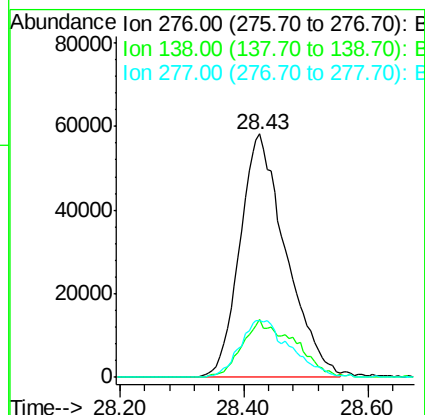
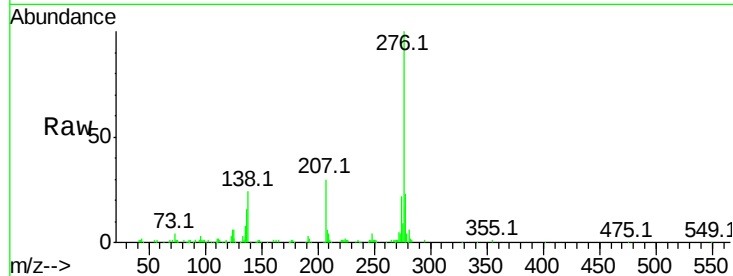




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.13 ng
 RT: 28.43 min Scan# 4312
 Delta R.T. -0.03 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

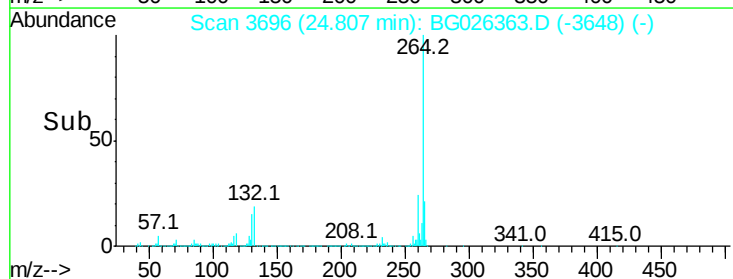
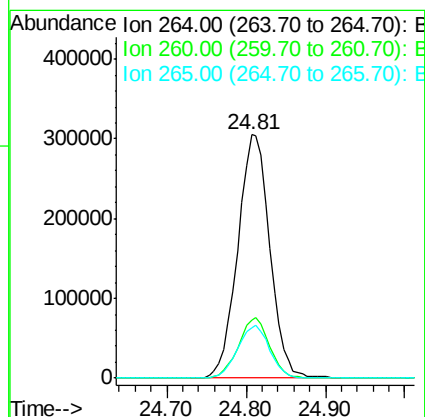
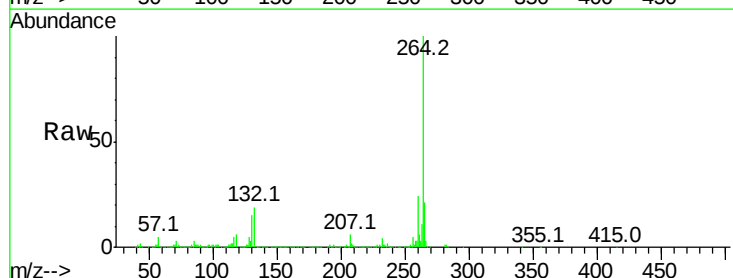
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

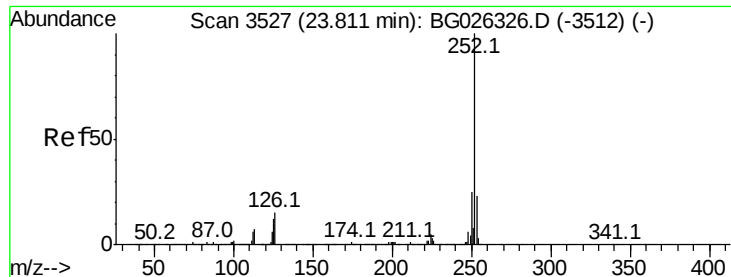
Tot Ion:276 Resp: 300600
 Ion Ratio Lower Upper
 276 100
 138 26.8 4.7 7.1#
 277 25.9 20.6 31.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.81 min Scan# 3696
 Delta R.T. -0.02 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

Tgt Ion:264 Resp: 854457
 Ion Ratio Lower Upper
 264 100
 260 23.7 21.8 32.8
 265 20.9 18.2 27.4





#87

Benzo(b)fluoranthene

Concen: 5.31 ng

RT: 23.80 min Scan# 3524

Delta R.T. -0.02 min

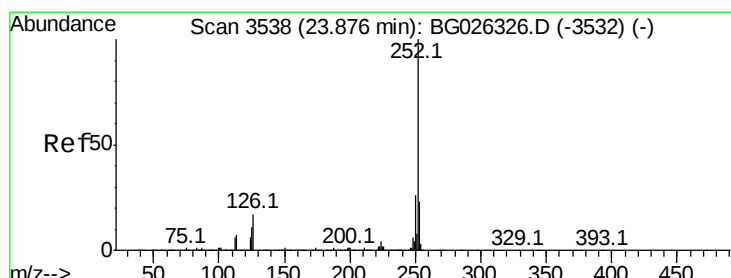
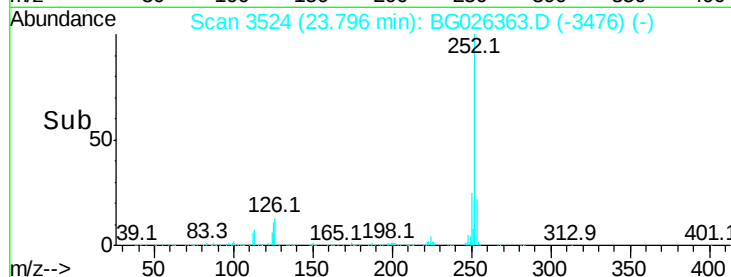
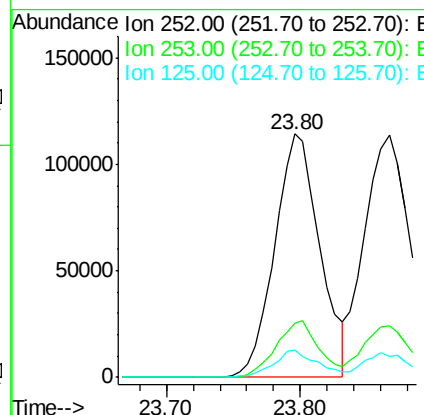
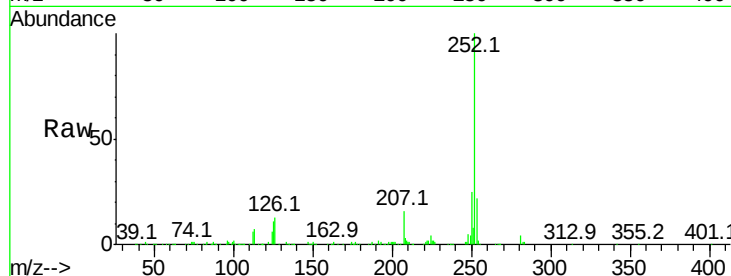
Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:252 Resp: 267484

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.7	28.1
125	11.5	5.3	7.9#



#88

Benzo(k)fluoranthene

Concen: 5.52 ng

RT: 23.87 min Scan# 3536

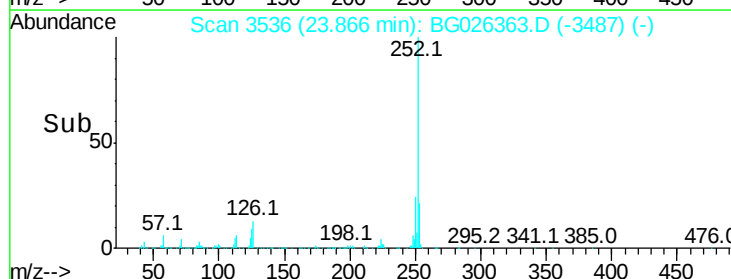
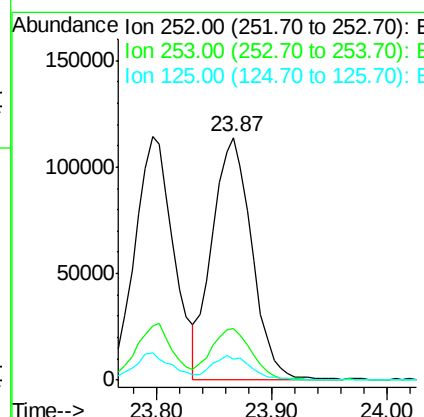
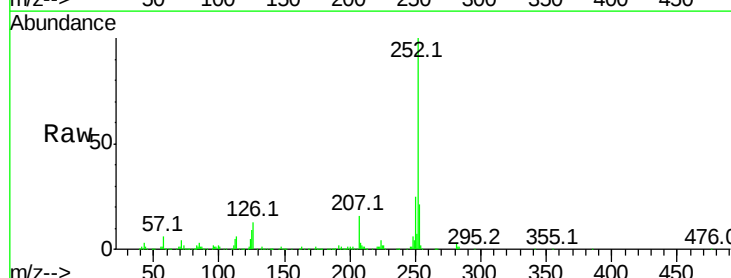
Delta R.T. -0.01 min

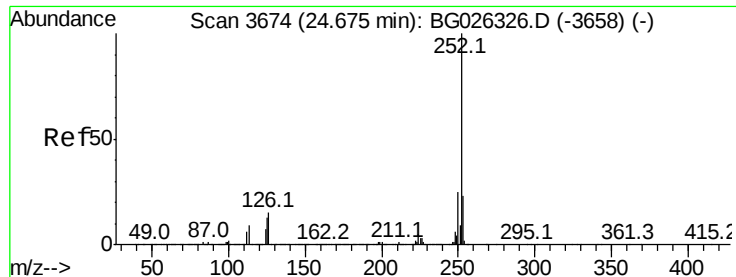
Lab File: BG026363.D

Acq: 21 Mar 2017 18:04

Tgt Ion:252 Resp: 269719

Ion	Ratio	Lower	Upper
252	100		
253	21.4	20.2	30.2
125	8.6	5.1	7.7#

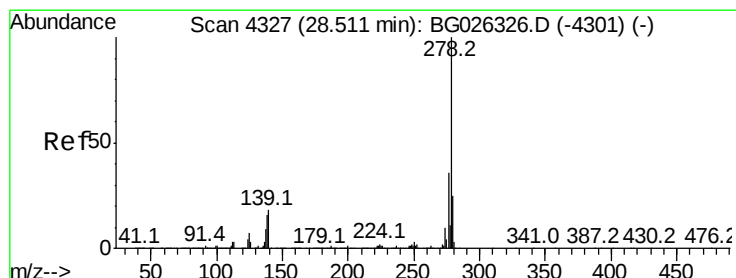
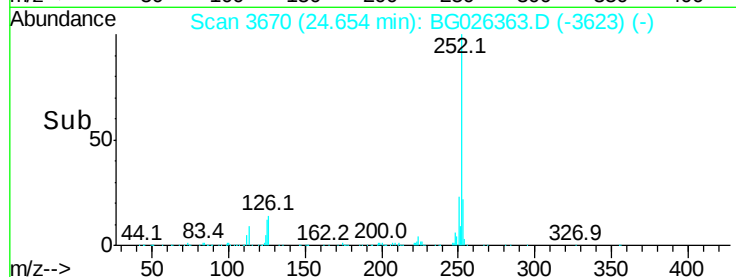
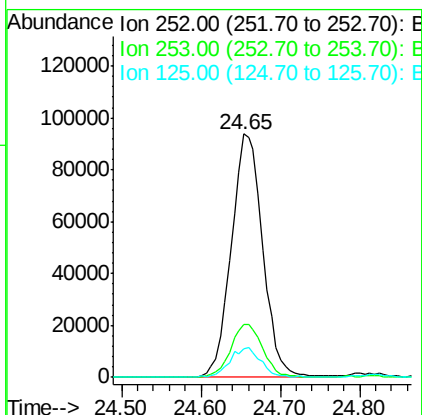
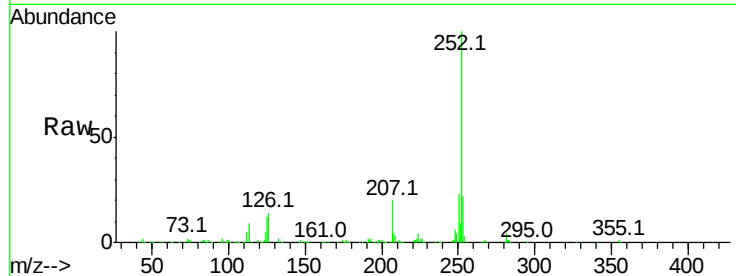




#89
Benzo(a)pyrene
Concen: 5.33 ng
RT: 24.65 min Scan# 3670
Delta R.T. -0.02 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

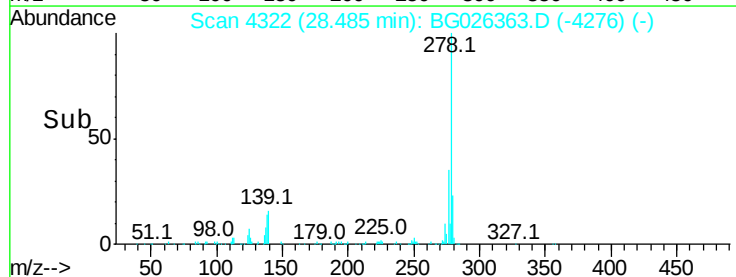
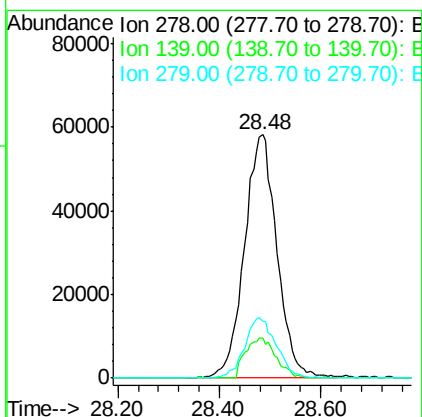
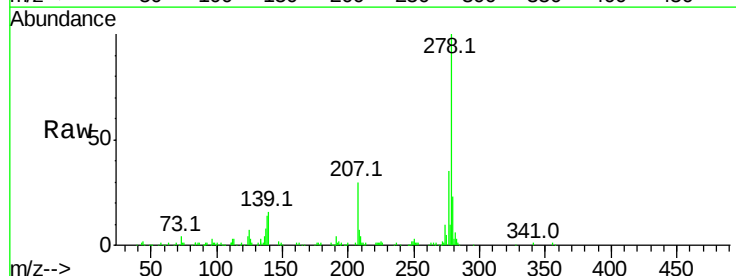
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

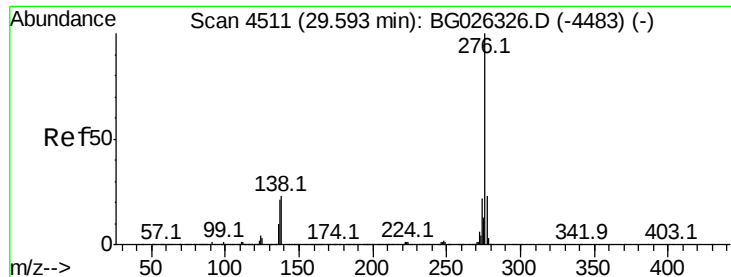
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.2	28.8
125	11.7	5.4	8.0#



#90
Dibenzo(a,h)anthracene
Concen: 5.30 ng
RT: 28.48 min Scan# 4322
Delta R.T. -0.03 min
Lab File: BG026363.D
Acq: 21 Mar 2017 18:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.5	7.7	11.5#
279	23.1	19.1	28.7





#91
 Benzo(a,h,i)perylene
 Concen: 5.30 ng
 RT: 29.55 min Scan# 4504
 Delta R.T. -0.04 min
 Lab File: BG026363.D
 Acq: 21 Mar 2017 18:04

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.6	27.8
138	22.3	8.1	12.1

