

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071618\
 Data File : BG035664.D
 Acq On : 16 Jul 2018 11:25
 Operator : JU/SJ
 Sample : J3542-04MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MS

Quant Time: Jul 16 12:07:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	54066	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	210541	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	148938	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	398694	20.00	ng	0.00
75) Chrysene-d12	21.69	240	415664	20.00	ng	0.00
86) Perylene-d12	24.91	264	408938	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	476422	146.30	ng	0.00
7) Phenol-d6	7.22	99	652519	134.30	ng	0.00
23) Nitrobenzene-d5	9.22	82	494822	98.18	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	328875	167.53	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1067332	96.01	ng	0.00
78) Terphenyl-d14	20.02	244	1808918	95.93	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.56	88	48579	29.309	ng	# 73
3) Pyridine	3.96	79	133448	30.841	ng	# 71
4) n-Nitrosodimethylamine	3.86	42	66233	35.649	ng	# 85
6) Aniline	7.39	93	95263	15.127	ng	98
8) 2-Chlorophenol	7.63	128	150225	45.357	ng	95
9) Benzaldehyde	7.20	77	28446	9.542	ng	93
10) Phenol	7.25	94	204788	41.719	ng	96
11) bis(2-Chloroethyl)ether	7.48	93	161040	41.891	ng	90
12) 1,3-Dichlorobenzene	8.09	146	168342	42.089	ng	91
13) 1,4-Dichlorobenzene	8.09	146	168342	41.425	ng	91
14) 1,2-Dichlorobenzene	8.42	146	161725	41.426	ng	97
15) Benzyl Alcohol	8.30	79	190207	43.110	ng	90
16) 2,2'-oxybis(1-Chloropropan	8.59	45	188436	58.467	ng	78
17) 2-Methylphenol	8.50	107	147683	44.250	ng	# 90
18) Hexachloroethane	9.14	117	61726	39.726	ng	92
19) n-Nitroso-di-n-propylamine	8.86	70	157778	38.563	ng	# 84
20) 3+4-Methylphenols	8.83	107	210514	45.468	ng	90
22) Acetophenone	8.88	105	270973	41.387	ng	# 92
24) Nitrobenzene	9.26	77	228024	44.988	ng	93
25) Isophorone	9.78	82	441455	47.185	ng	99
26) 2-Nitrophenol	9.97	139	89414	49.671	ng	# 87
27) 2,4-Dimethylphenol	10.03	122	162513	53.333	ng	92
28) bis(2-Chloroethoxy)methane	10.26	93	229678	44.552	ng	97
29) 2,4-Dichlorophenol	10.51	162	177368	50.993	ng	95
30) 1,2,4-Trichlorobenzene	10.72	180	188384	44.168	ng	95
31) Naphthalene	10.91	128	496057	45.231	ng	98
32) Benzoic acid	10.18	122	82321	40.131	ng	94
34) Hexachlorobutadiene	11.19	225	144351	43.402	ng	96
35) Caprolactam	11.80	113	31026	20.786	ng	# 81
36) 4-Chloro-3-methylphenol	12.14	107	221876	47.589	ng	93
37) 2-Methylnaphthalene	12.51	142	375153	45.914	ng	# 90
39) 1,2,4,5-Tetrachlorobenzene	12.87	216	256019	45.543	ng	99
40) Hexachlorocyclopentadiene	12.86	237	326754	110.835	ng	92
42) 2,4,6-Trichlorophenol	13.12	196	169318	51.505	ng	98

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Quant Time: Jul 16 12:07:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

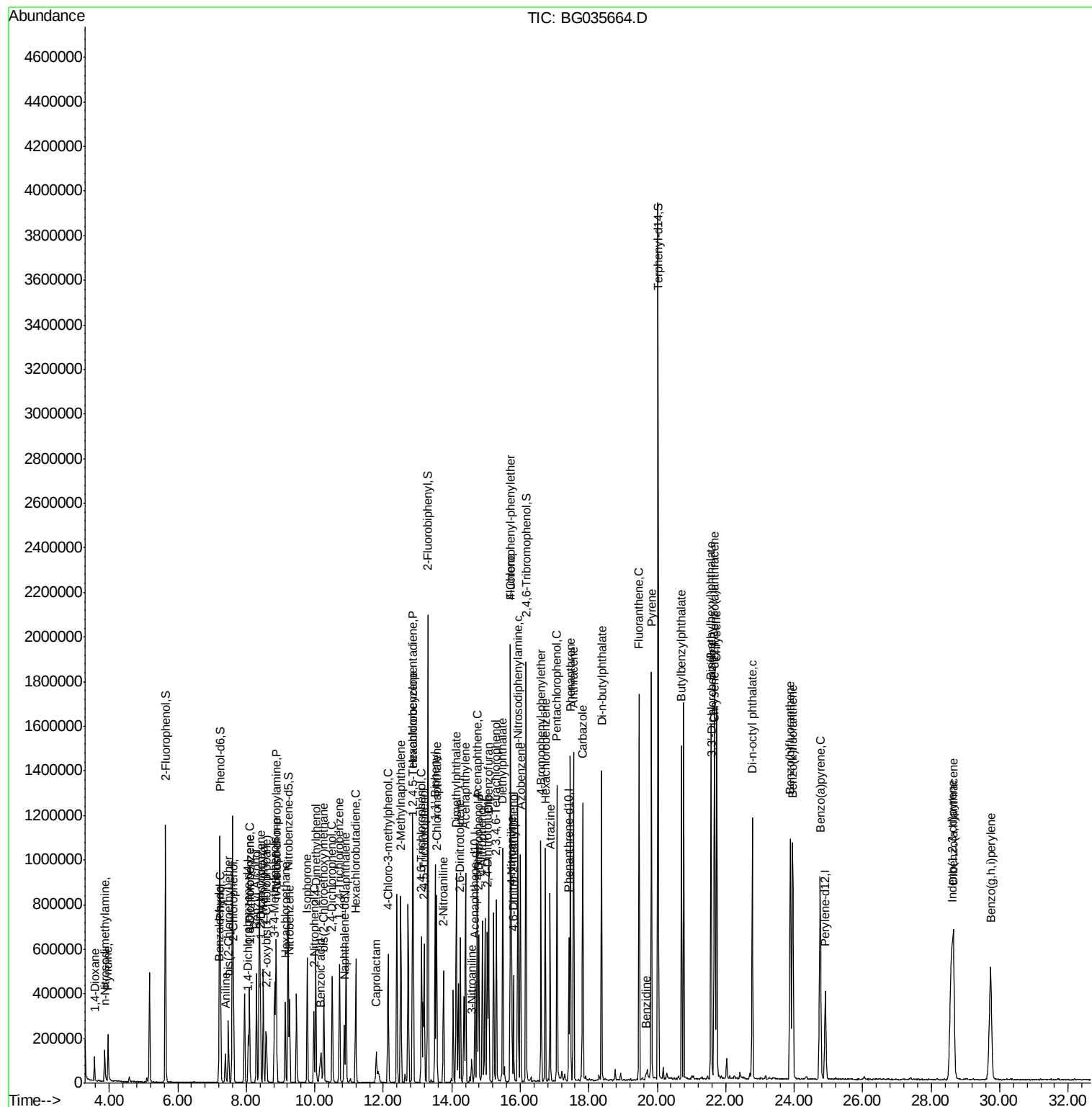
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	13.19	196	183817	49.982	ng	97
45) 1,1'-Biphenyl	13.51	154	525280	45.490	ng	96
46) 2-Chloronaphthalene	13.56	162	411362	45.800	ng	99
47) 2-Nitroaniline	13.76	65	147474	46.443	ng	96
48) Acenaphthylene	14.40	152	696520	46.294	ng	97
49) Dimethylphthalate	14.13	163	573671	43.962	ng	100
50) 2,6-Dinitrotoluene	14.26	165	134353	50.560	ng	94
51) Acenaphthene	14.74	154	411590	43.915	ng	99
52) 3-Nitroaniline	14.58	138	26271	9.673	ng #	88
53) 2,4-Dinitrophenol	14.79	184	149734	107.143	ng #	69
54) Dibenzofuran	15.08	168	670494	44.982	ng	92
55) 4-Nitrophenol	14.90	139	172509	89.189	ng #	84
56) 2,4-Dinitrotoluene	15.04	165	191972	50.357	ng	87
57) Fluorene	15.72	166	560479	44.863	ng	95
58) 2,3,4,6-Tetrachlorophenol	15.30	232	183923	52.160	ng	95
59) Diethylphthalate	15.49	149	584115	43.532	ng	98
60) 4-Chlorophenyl-phenylether	15.71	204	324352	44.173	ng	97
61) 4-Nitroaniline	15.75	138	117772	41.455	ng #	81
62) Azobenzene	16.01	77	606217	45.803	ng	96
64) 4,6-Dinitro-2-methylphenol	15.80	198	110750	49.901	ng	91
65) n-Nitrosodiphenylamine	15.93	169	503822	44.396	ng	97
66) 4-Bromophenyl-phenylether	16.61	248	216505	46.807	ng	91
67) Hexachlorobenzene	16.73	284	219310	46.040	ng	96
68) Atrazine	16.88	200	188141	40.266	ng	97
69) Pentachlorophenol	17.08	266	254435	87.695	ng	96
70) Phenanthrene	17.46	178	895670	45.022	ng	98
71) Anthracene	17.56	178	922032	46.546	ng	98
72) Carbazole	17.82	167	828796	44.056	ng	98
73) Di-n-butylphthalate	18.37	149	960448	43.203	ng #	98
74) Fluoranthene	19.47	202	1150818	42.946	ng	96
76) Benzidine	19.68	184	48884	4.473	ng #	93
77) Pyrene	19.83	202	1159243	44.106	ng	98
79) Butylbenzylphthalate	20.71	149	432676	46.035	ng #	98
80) Benzo(a)anthracene	21.67	228	1168382	45.106	ng	99
81) 3,3'-Dichlorobenzidine	21.58	252	133288	14.758	ng	98
82) Chrysene	21.73	228	1075156	44.791	ng	97
83) Bis(2-ethylhexyl)phthalate	21.57	149	591222	46.269	ng #	99
84) Di-n-octyl phthalate	22.78	149	1004432	46.948	ng #	94
85) Indeno(1,2,3-cd)pyrene	28.59	276	1263206	47.533	ng #	93
87) Benzo(b)fluoranthene	23.89	252	1111812	44.732	ng #	97
88) Benzo(k)fluoranthene	23.95	252	1069850	44.028	ng #	96
89) Benzo(a)pyrene	24.76	252	1073872	46.441	ng #	95
90) Dibenzo(a,h)anthracene	28.64	278	1046691	46.107	ng #	94
91) Benzo(g,h,i)perylene	29.73	276	1035193	46.601	ng #	92

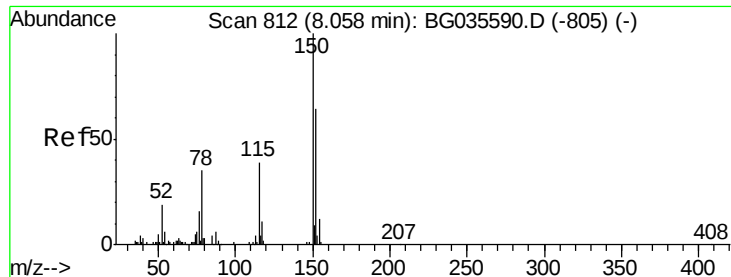
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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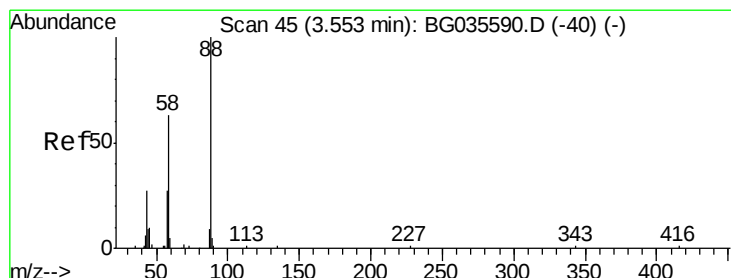
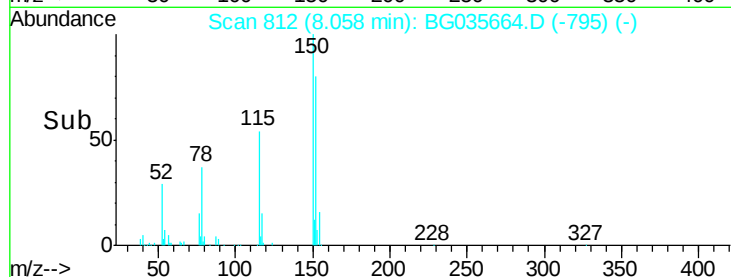
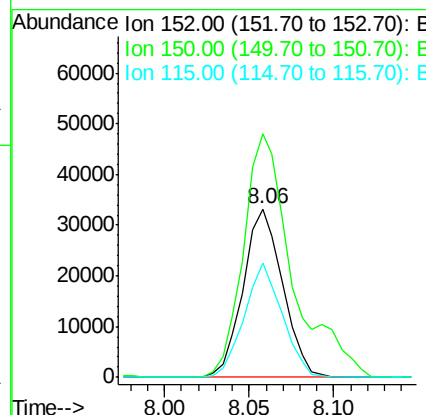
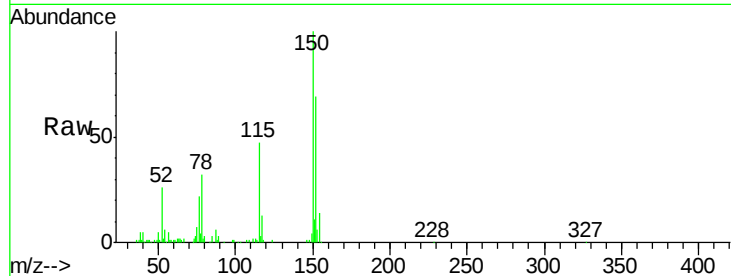


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

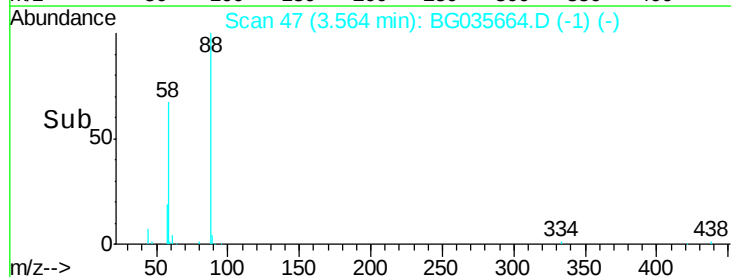
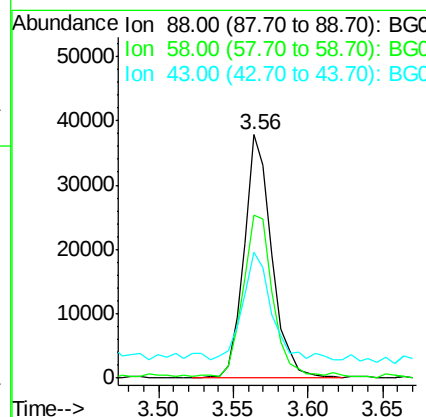
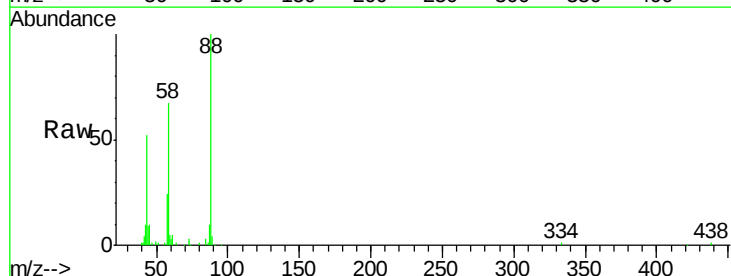
Tgt Ion:152 Resp: 54066
Ion Ratio Lower Upper
152 100
150 144.7 126.6 189.8
115 67.6 53.0 79.4

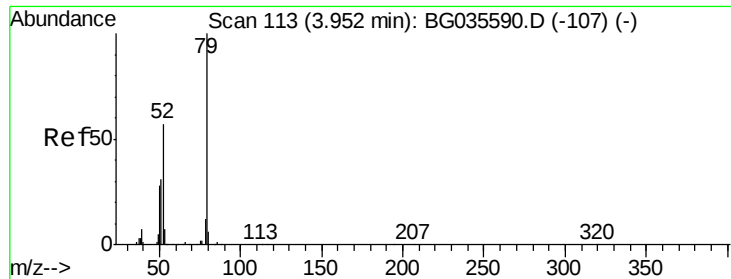


#2

1,4-Dioxane
Concen: 29.309 ng
RT: 3.56 min Scan# 47
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion: 88 Resp: 48579
Ion Ratio Lower Upper
88 100
58 71.0 79.6 119.4#
43 46.5 27.4 41.0#





#3

Pyridine

Concen: 30.841 ng

RT: 3.96 min Scan# 115

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

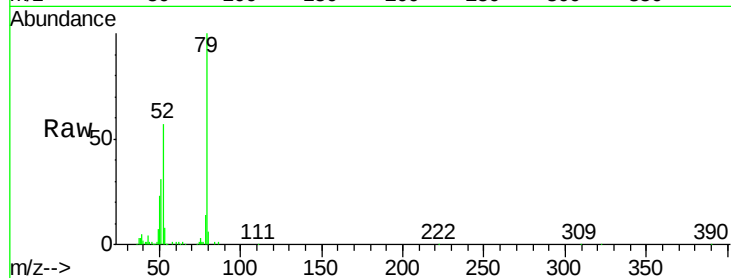
Tgt Ion: 79 Resp: 133448

Ion Ratio Lower Upper

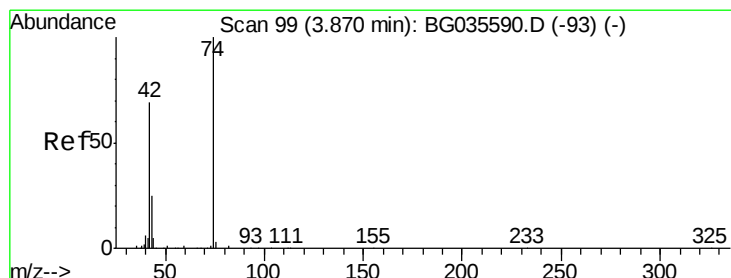
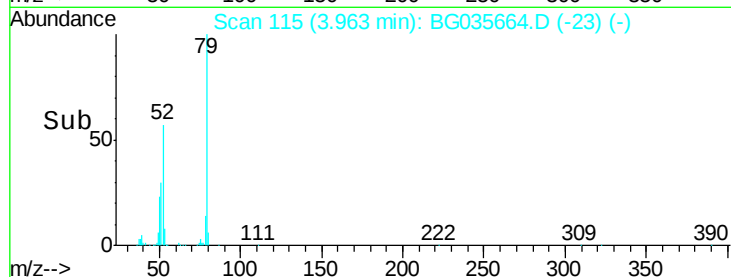
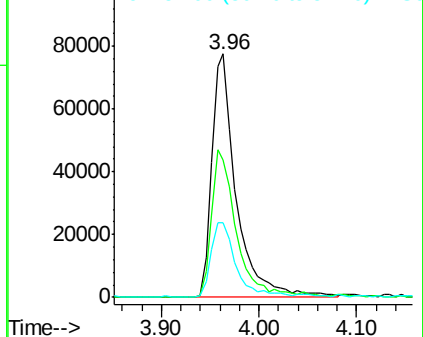
79 100

52 56.6 69.9 104.9#

51 30.5 34.0 51.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 35.649 ng

RT: 3.86 min Scan# 98

Delta R.T. -0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

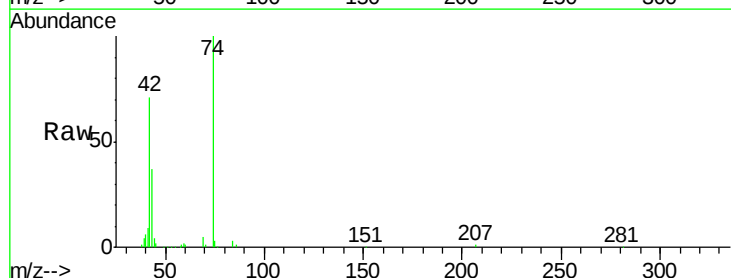
Tgt Ion: 42 Resp: 66233

Ion Ratio Lower Upper

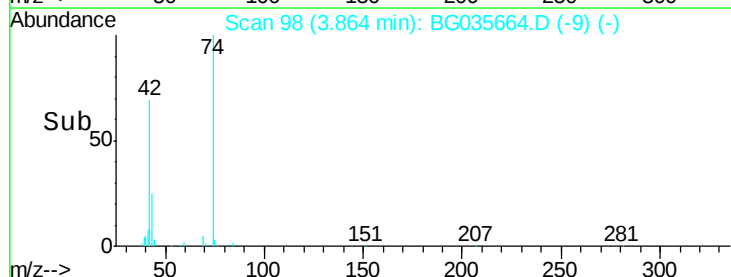
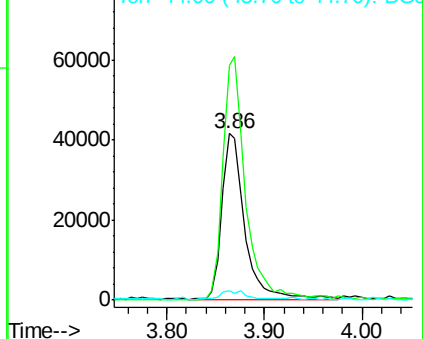
42 100

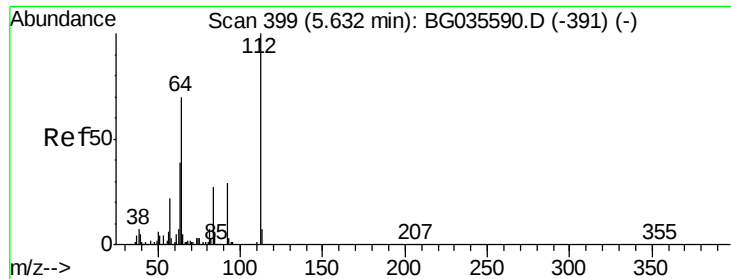
74 140.7 102.5 153.7

44 5.8 18.9 28.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 146.298 ng

RT: 5.64 min Scan# 400

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

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LS-SOIL-1MS

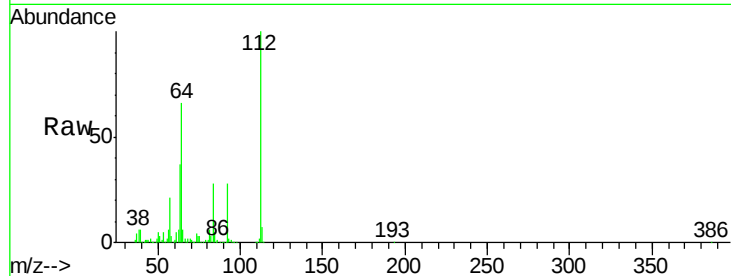
Tgt Ion: 112 Resp: 476422

Ion Ratio Lower Upper

112 100

64 65.7 56.3 84.5

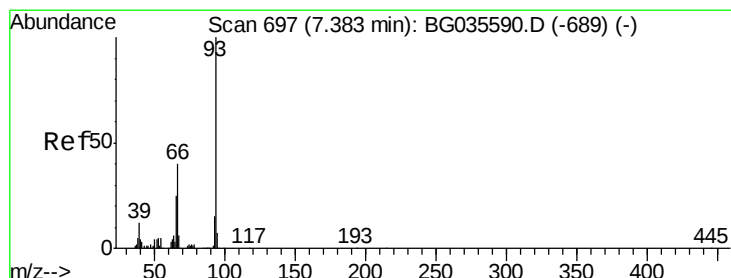
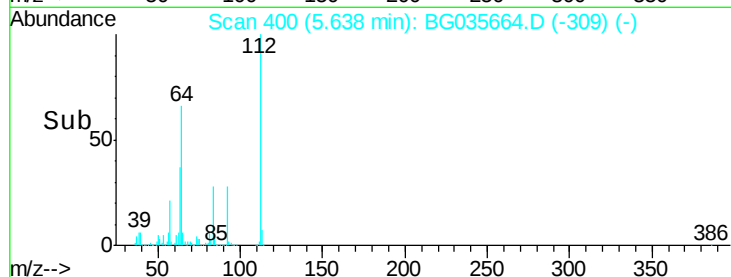
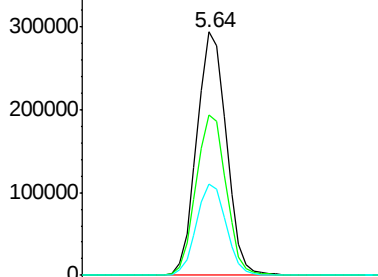
63 37.4 30.1 45.1



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: 15.127 ng

RT: 7.39 min Scan# 698

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

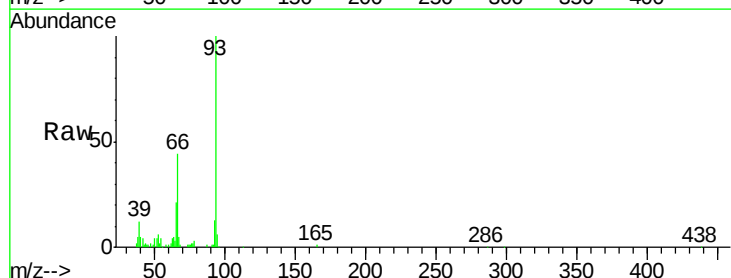
Tgt Ion: 93 Resp: 95263

Ion Ratio Lower Upper

93 100

66 43.6 33.7 50.5

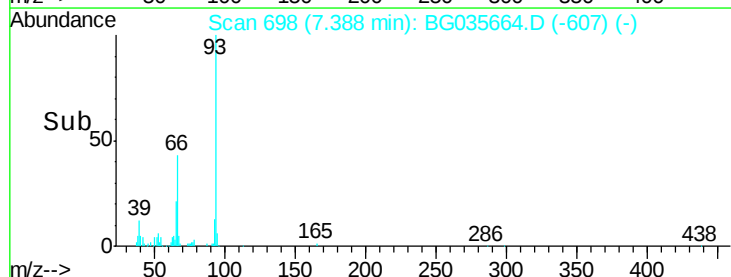
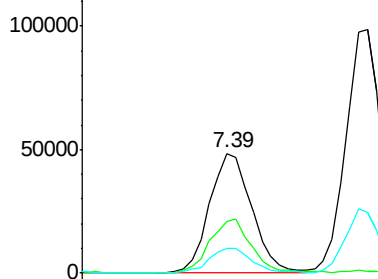
65 21.0 16.1 24.1

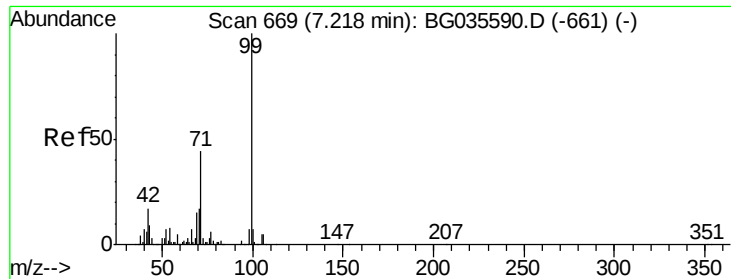


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 134.299 ng

RT: 7.22 min Scan# 670

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

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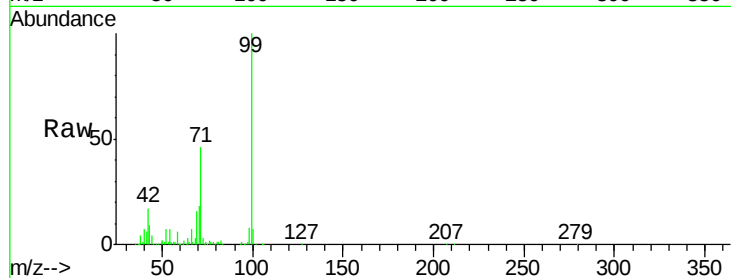
Tgt Ion: 99 Resp: 652519

Ion Ratio Lower Upper

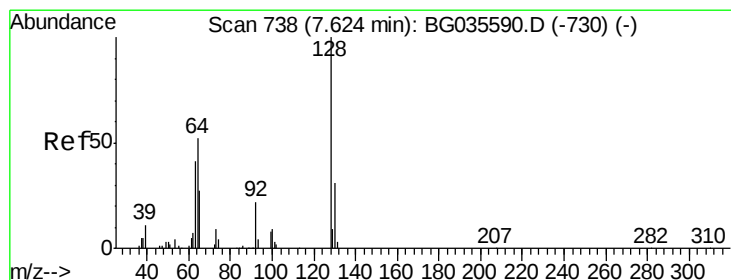
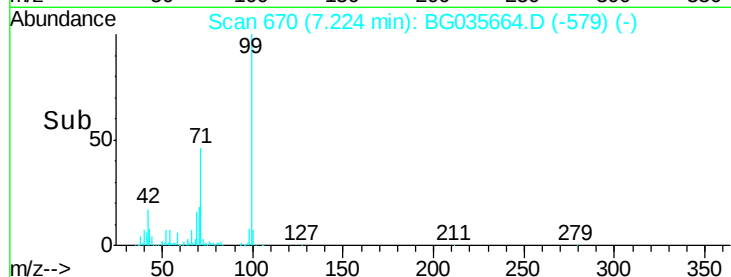
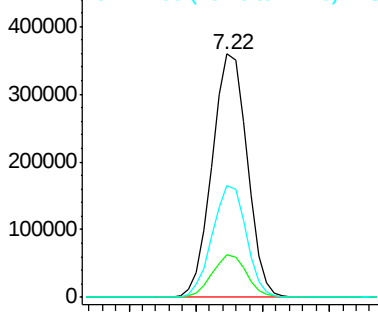
99 100

42 17.3 14.1 21.1

71 45.9 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 45.357 ng

RT: 7.63 min Scan# 739

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

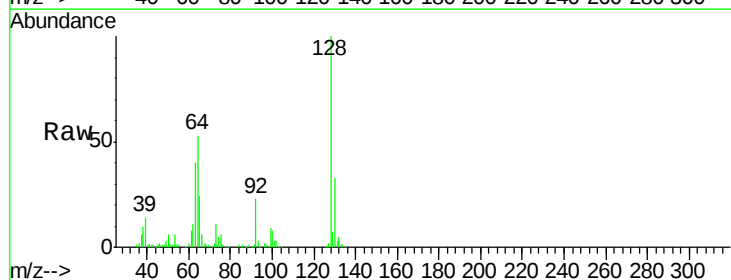
Tgt Ion: 128 Resp: 150225

Ion Ratio Lower Upper

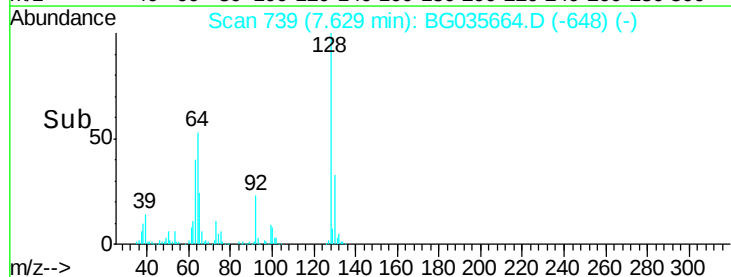
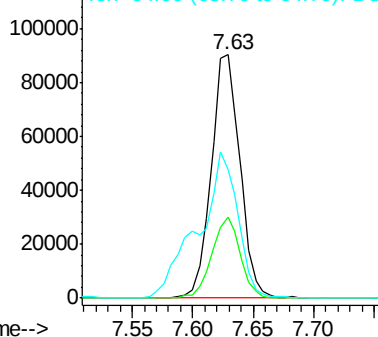
128 100

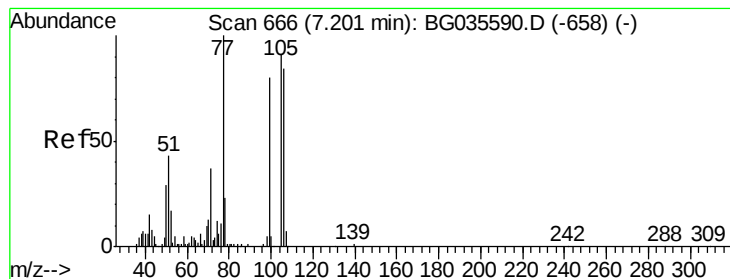
130 33.2 14.0 54.0

64 52.5 37.7 77.7



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





#9

Benzaldehyde

Concen: 9.542 ng

RT: 7.20 min Scan# 666

Delta R.T. 0.00 min

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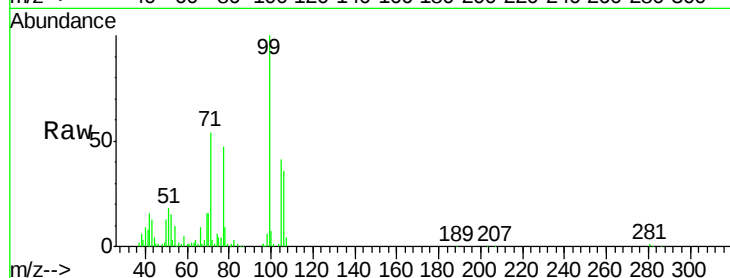
Tgt Ion: 77 Resp: 28446

Ion Ratio Lower Upper

77 100

105 85.3 71.3 111.3

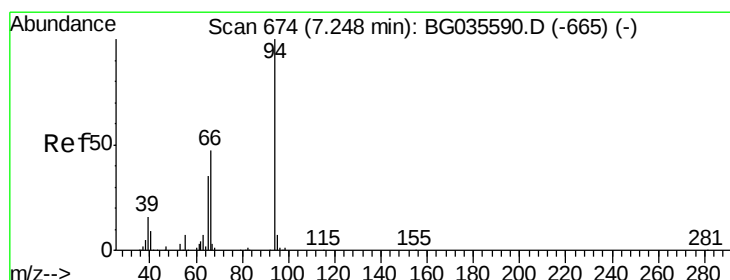
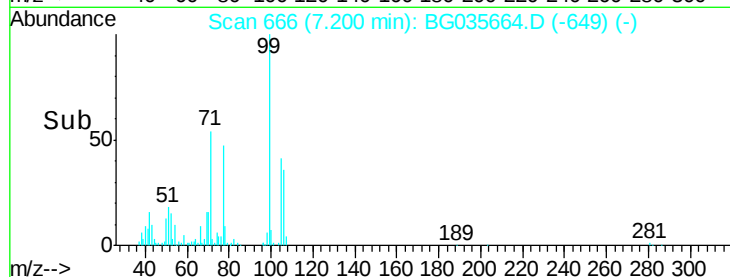
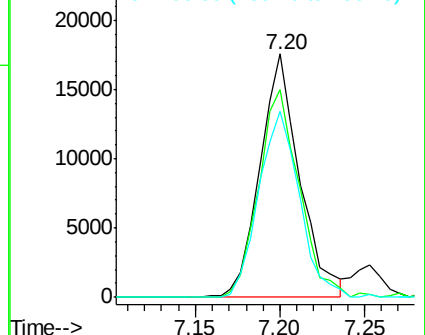
106 76.3 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 41.719 ng

RT: 7.25 min Scan# 675

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

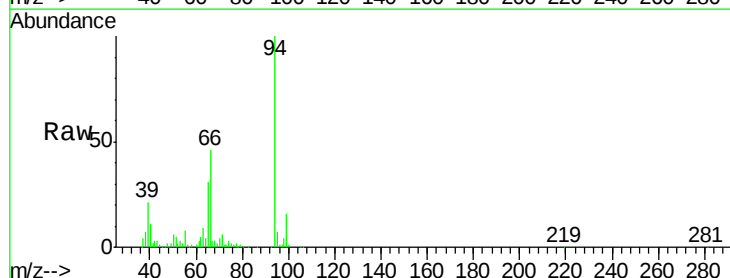
Tgt Ion: 94 Resp: 204788

Ion Ratio Lower Upper

94 100

65 30.5 11.9 51.9

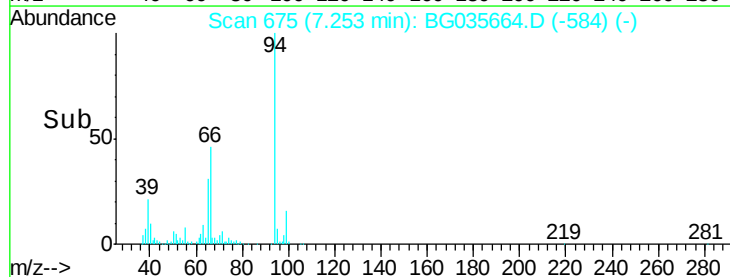
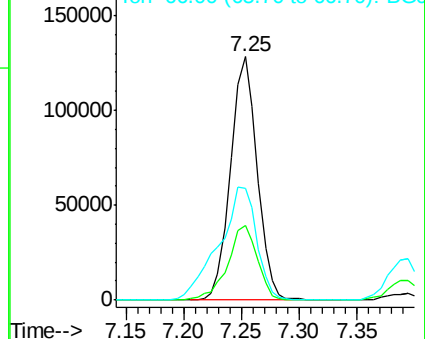
66 45.8 22.2 62.2

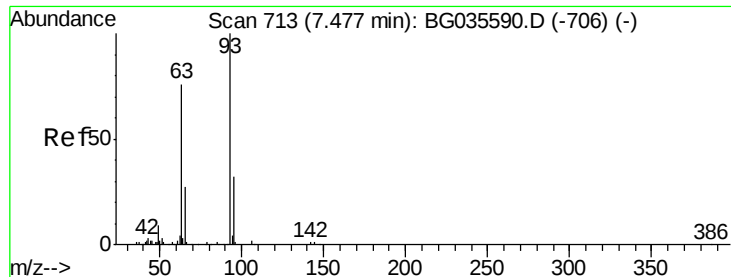


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

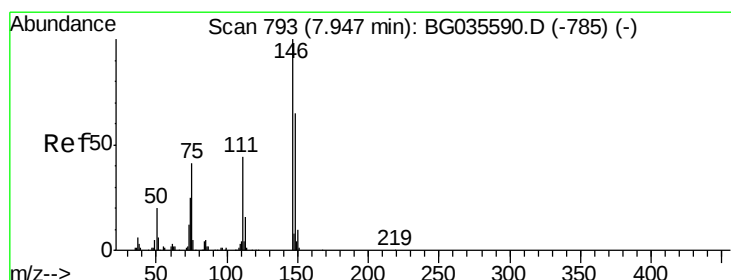
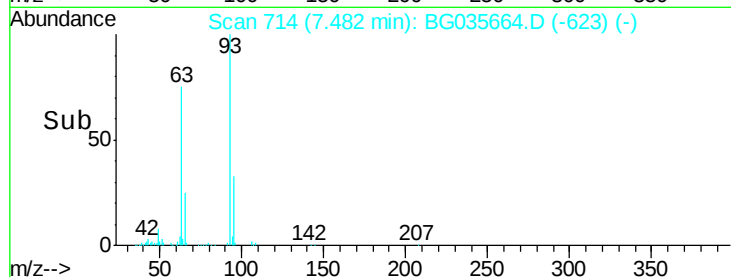
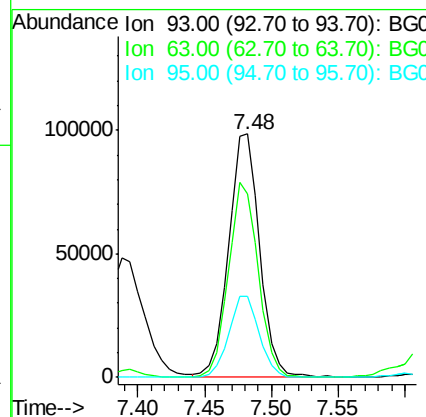
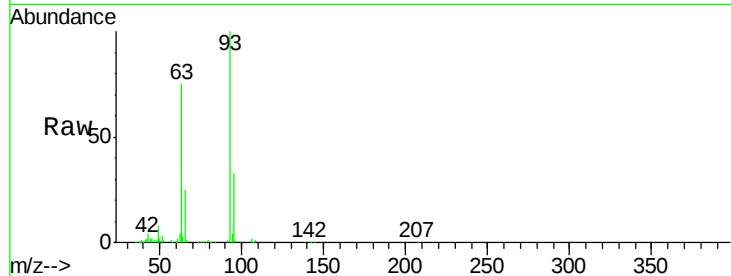




#11
bis(2-Chloroethyl)ether
Concen: 41.891 ng
RT: 7.48 min Scan# 714
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

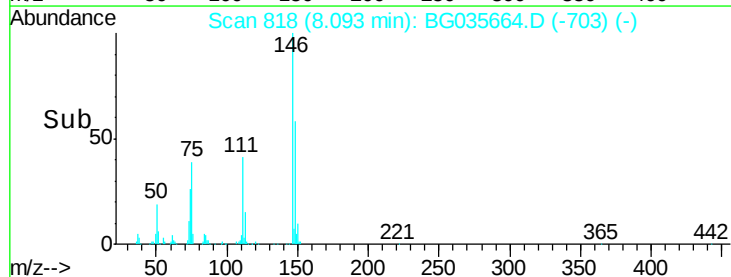
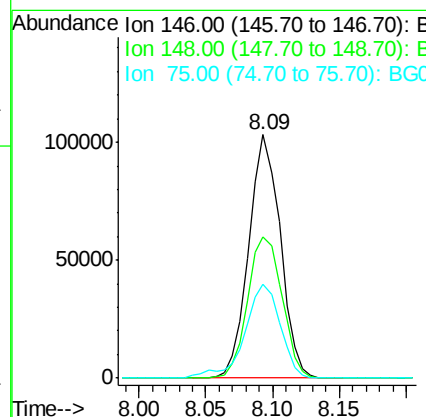
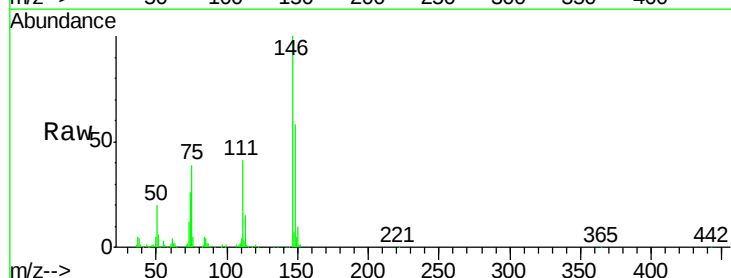
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

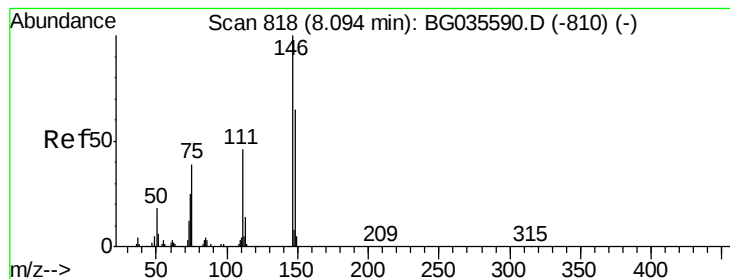
Tgt Ion: 93 Resp: 161040
Ion Ratio Lower Upper
93 100
63 75.3 67.1 107.1
95 33.4 11.5 51.5



#12
1,3-Dichlorobenzene
Concen: 42.089 ng
RT: 8.09 min Scan# 818
Delta R.T. 0.15 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion: 146 Resp: 168342
Ion Ratio Lower Upper
146 100
148 57.8 51.4 77.2
75 38.8 26.6 39.8





#13

1,4-Dichlorobenzene

Concen: 41.425 ng

RT: 8.09 min Scan# 818

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

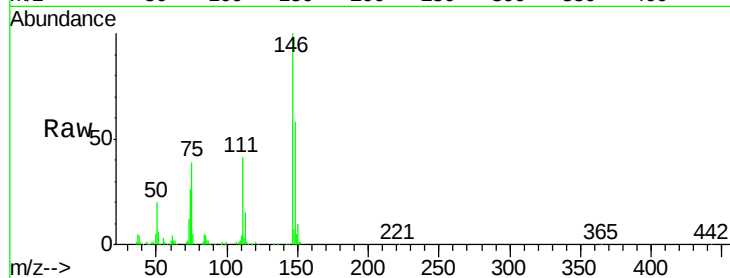
Tgt Ion:146 Resp: 168342

Ion Ratio Lower Upper

146 100

148 57.8 53.7 80.5

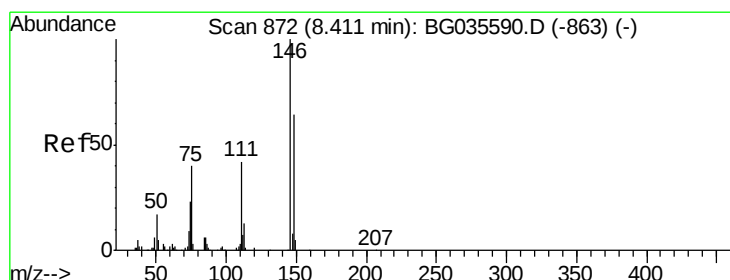
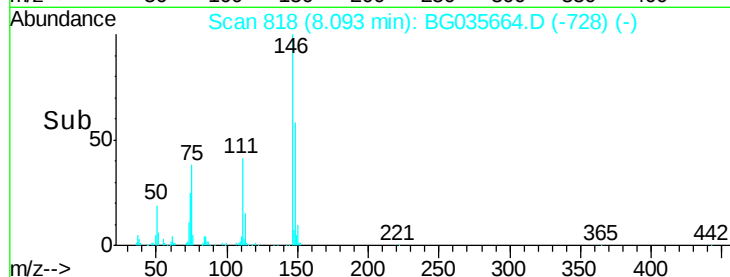
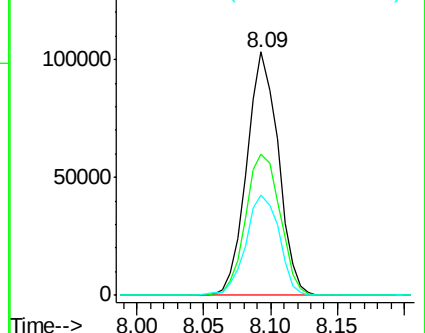
111 41.0 35.2 52.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 41.426 ng

RT: 8.42 min Scan# 873

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

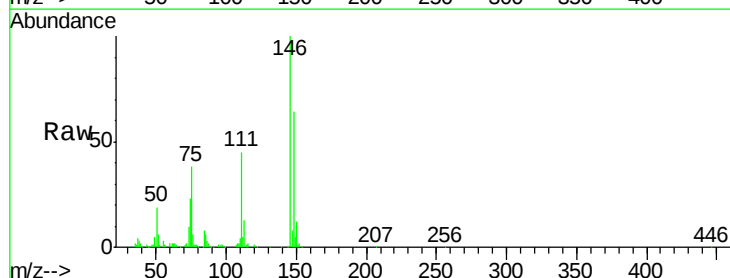
Tgt Ion:146 Resp: 161725

Ion Ratio Lower Upper

146 100

148 63.6 49.3 73.9

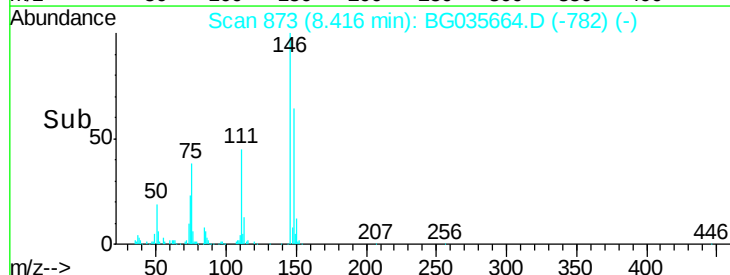
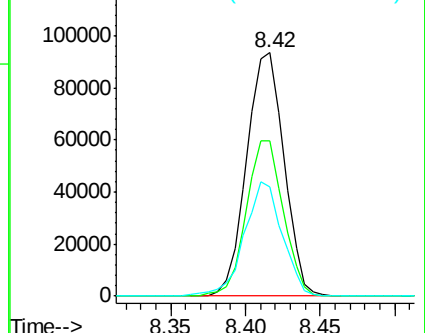
111 44.8 34.3 51.5

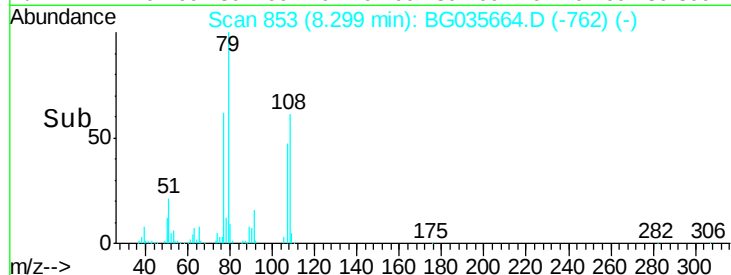
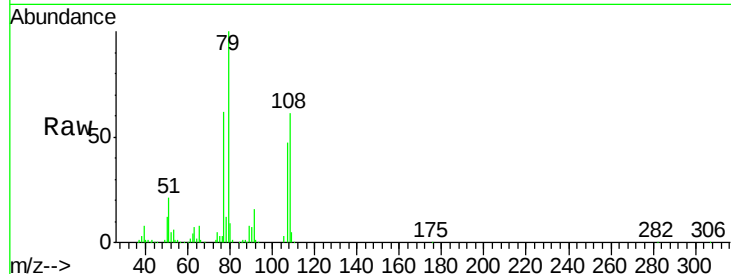
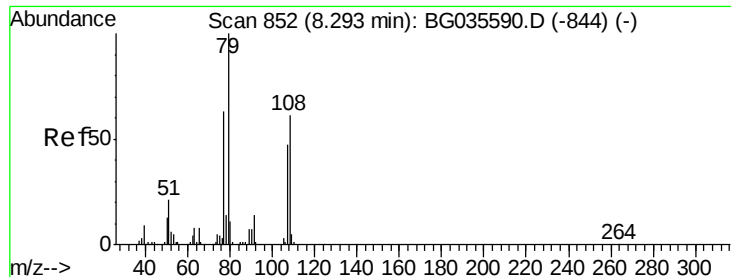


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 43.110 ng

RT: 8.30 min Scan# 853

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

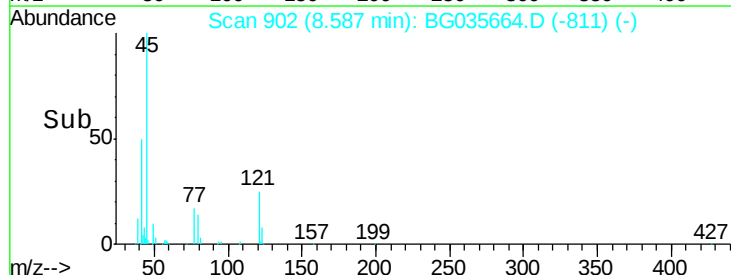
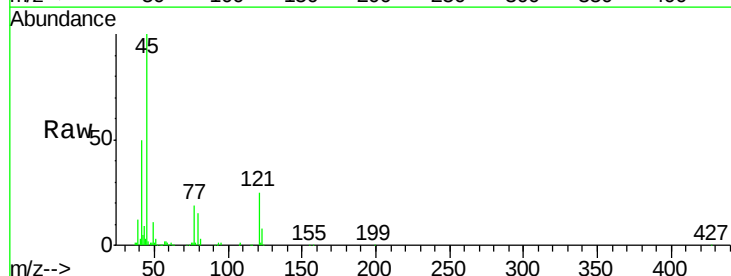
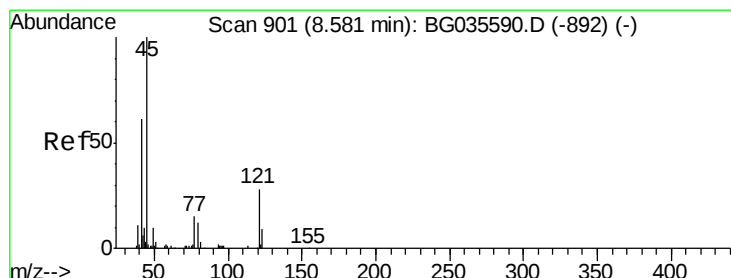
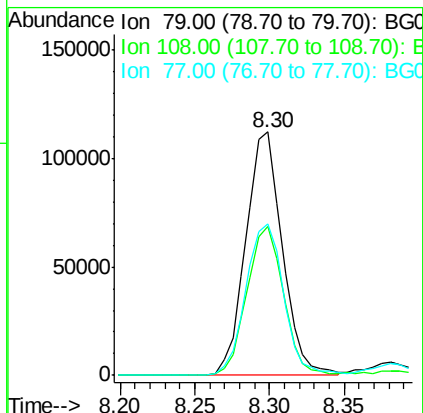
Tgt Ion: 79 Resp: 190207

Ion Ratio Lower Upper

79 100

108 61.3 57.2 85.8

77 62.5 46.1 69.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 58.467 ng

RT: 8.59 min Scan# 902

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

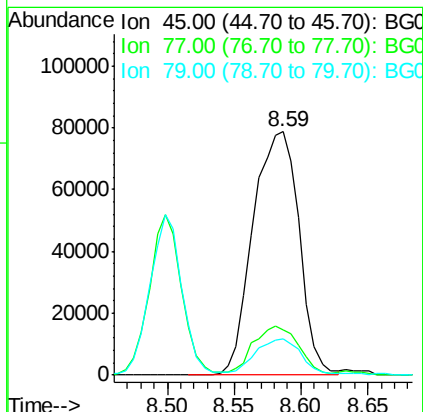
Tgt Ion: 45 Resp: 188436

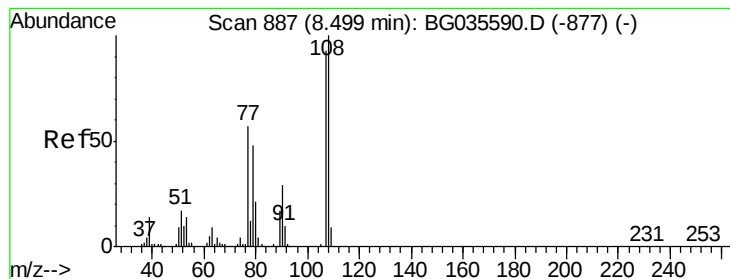
Ion Ratio Lower Upper

45 100

77 18.7 0.0 30.2

79 15.1 0.0 27.9





#17

2-Methylphenol

Concen: 44.250 ng

RT: 8.50 min Scan# 887

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

Tgt Ion:107 Resp: 147683

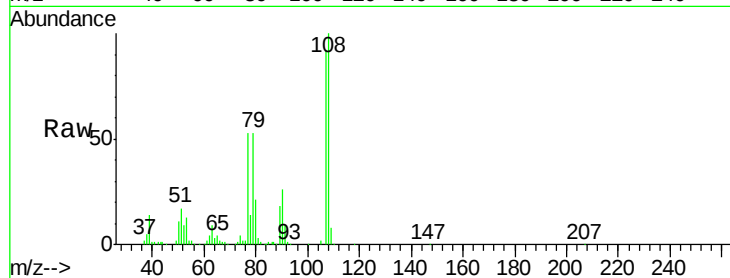
Ion Ratio Lower Upper

107 100

108 108.1 83.9 125.9

77 57.8 37.2 55.8#

79 57.8 36.2 54.2#

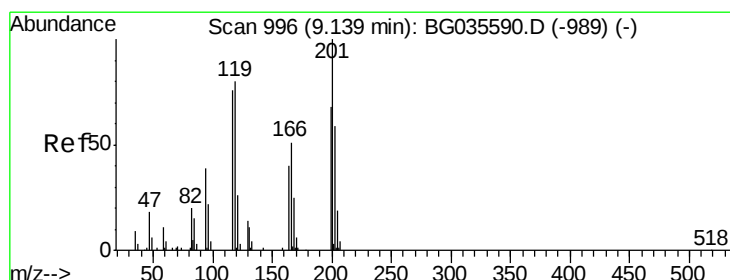
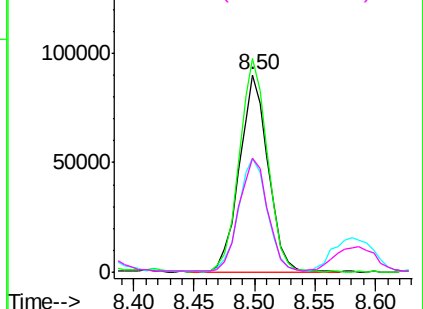
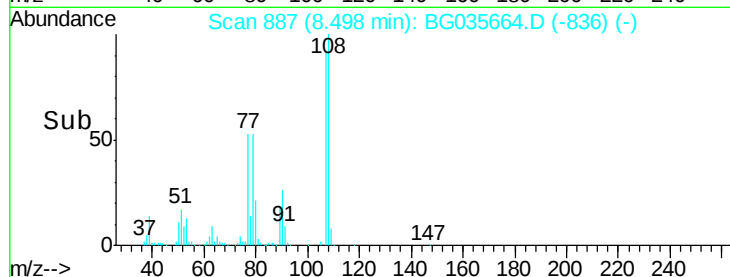


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 39.726 ng

RT: 9.14 min Scan# 996

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

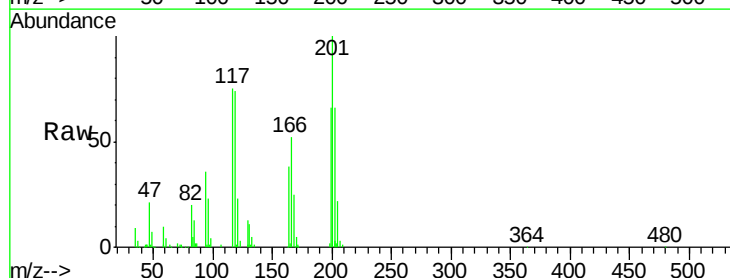
Tgt Ion:117 Resp: 61726

Ion Ratio Lower Upper

117 100

119 99.0 76.7 115.1

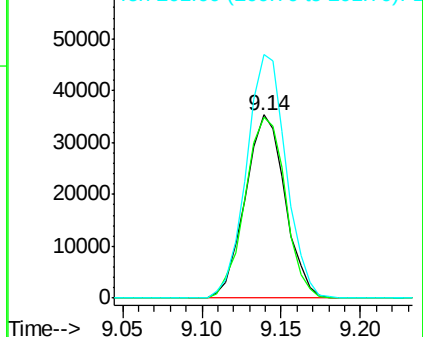
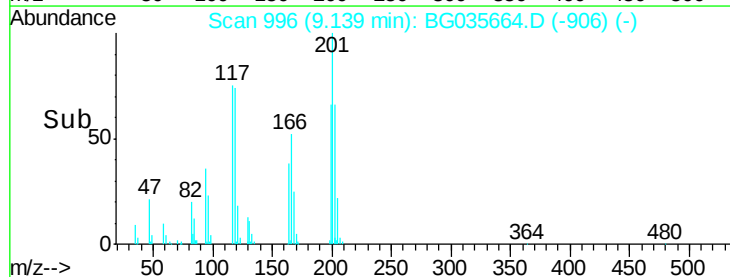
201 133.1 95.7 143.5

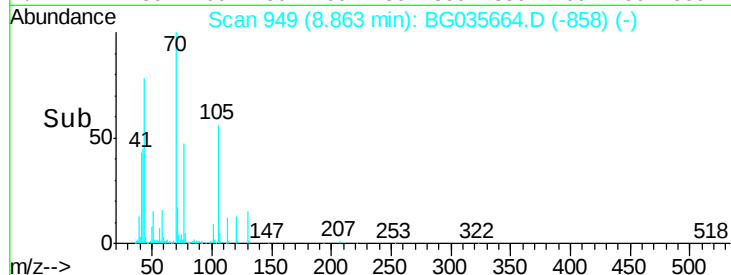
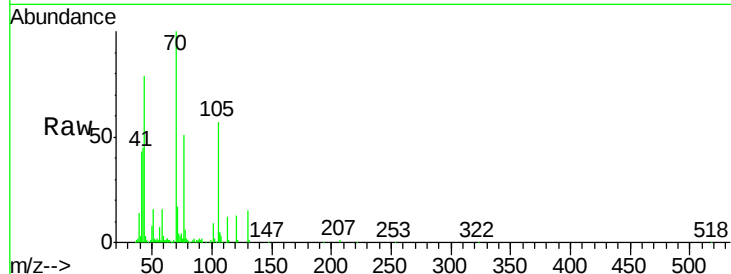
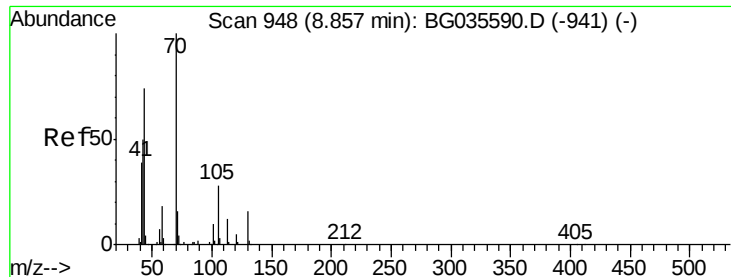


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

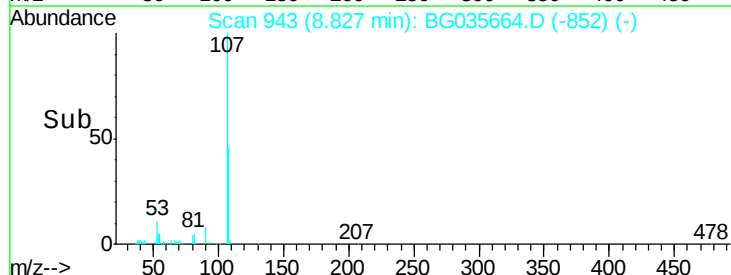
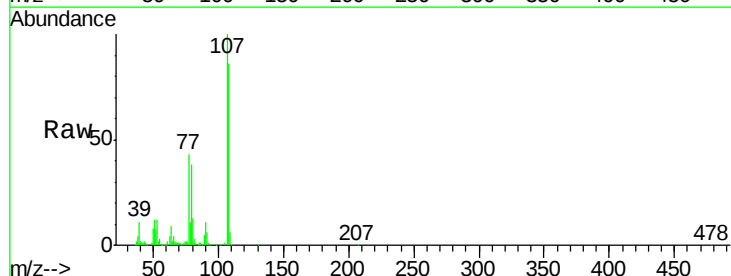
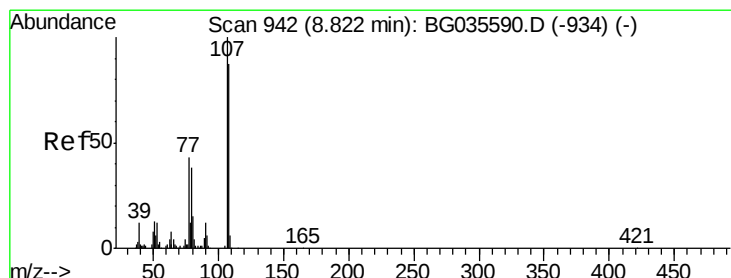
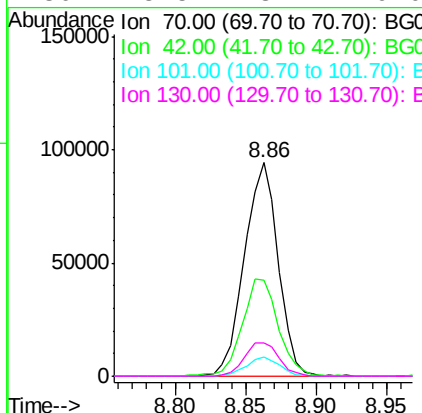




#19
n-Nitroso-di-n-propylamine
Concen: 38.563 ng
RT: 8.86 min Scan# 949
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

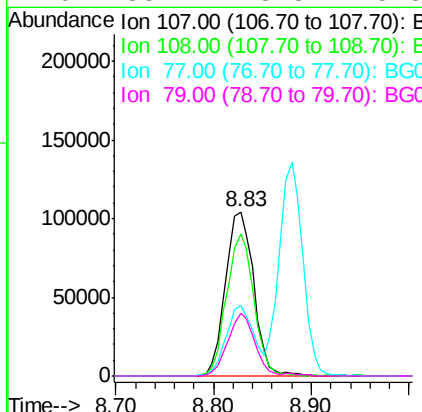
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

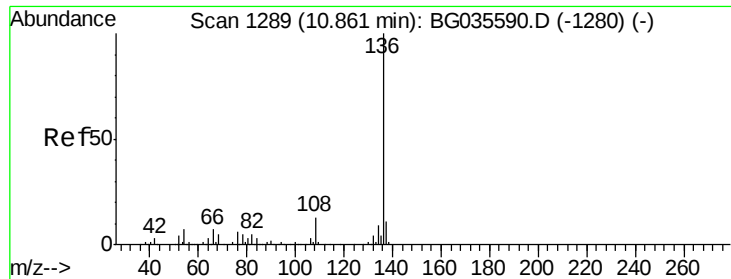
Tgt Ion: 70 Resp: 157778
Ion Ratio Lower Upper
70 100
42 44.8 49.1 73.7#
101 9.0 8.5 12.7
130 15.5 13.4 20.0



#20
3+4-Methylphenols
Concen: 45.468 ng
RT: 8.83 min Scan# 943
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion: 107 Resp: 210514
Ion Ratio Lower Upper
107 100
108 86.2 61.6 101.6
77 43.1 13.9 53.9
79 38.2 8.8 48.8

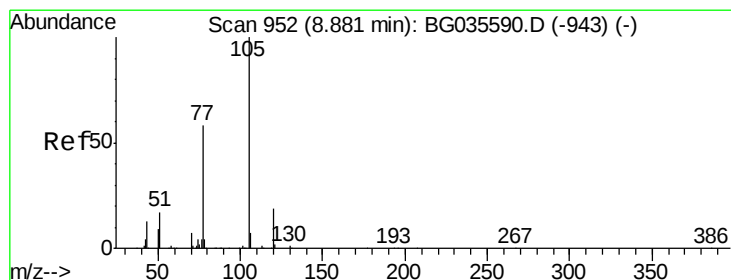
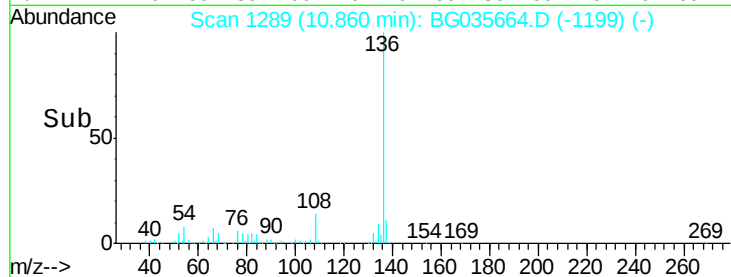
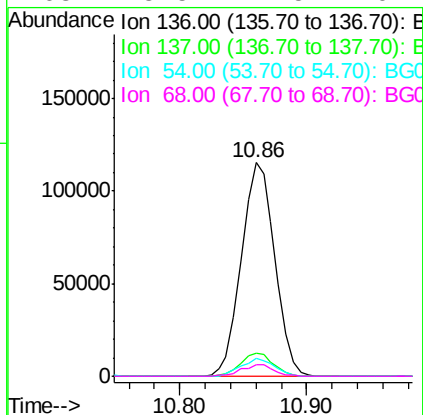
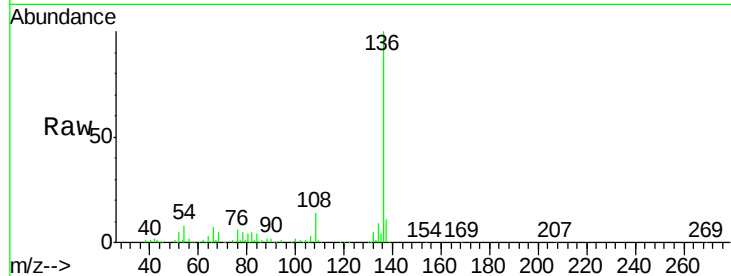




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

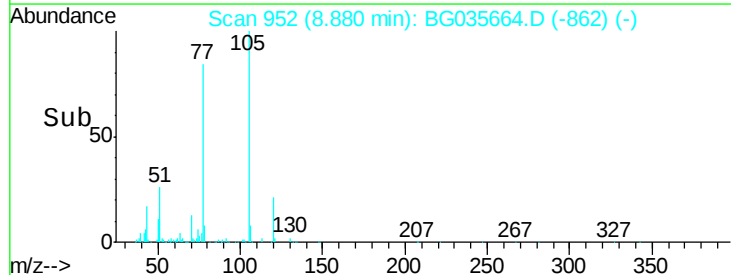
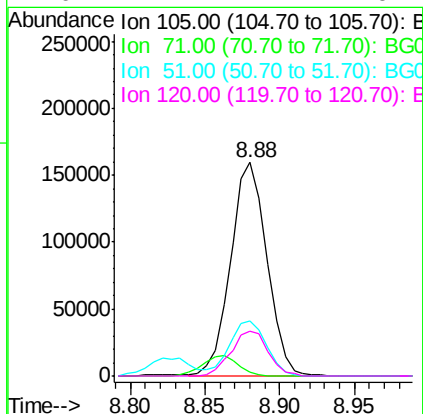
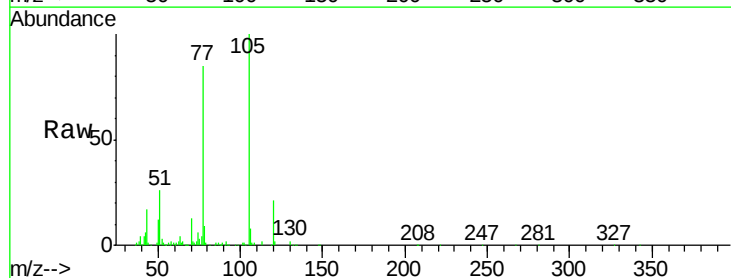
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

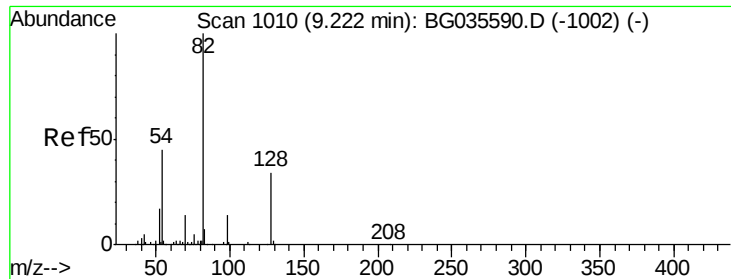
Tgt Ion:	136	Resp:	210541
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.2	13.8
54	8.2	10.3	15.5#
68	5.5	4.5	6.7



#22
Acetophenone
Concen: 41.387 ng
RT: 8.88 min Scan# 952
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion:	105	Resp:	270973
Ion Ratio	Lower	Upper	
105	100		
71	2.0	3.0	4.4#
51	25.8	26.1	39.1#
120	21.2	17.4	26.2

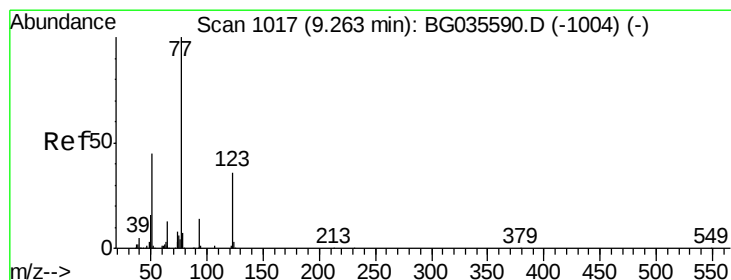
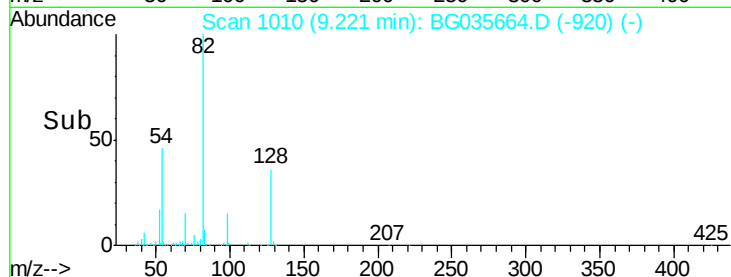
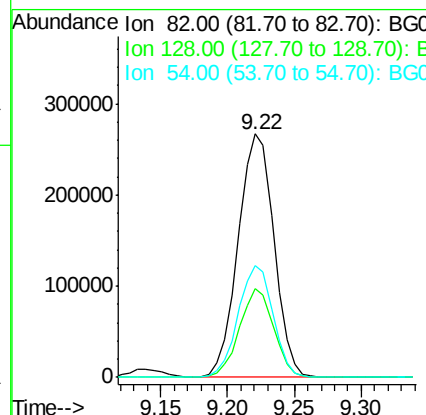
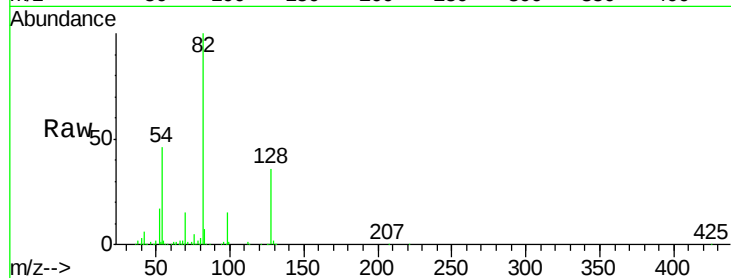




#23
 Nitrobenzene-d5
 Concen: 98.181 ng
 RT: 9.22 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

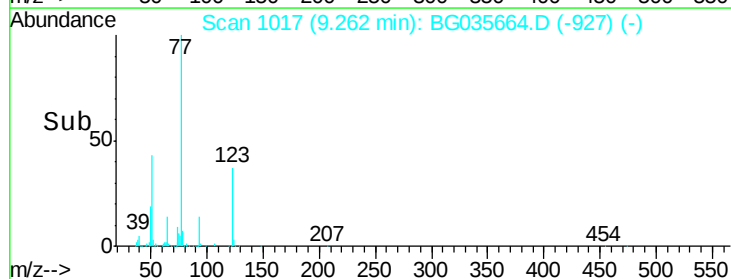
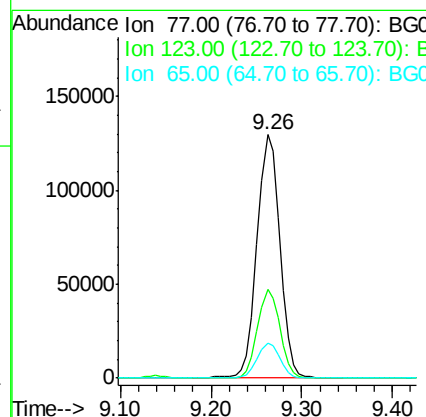
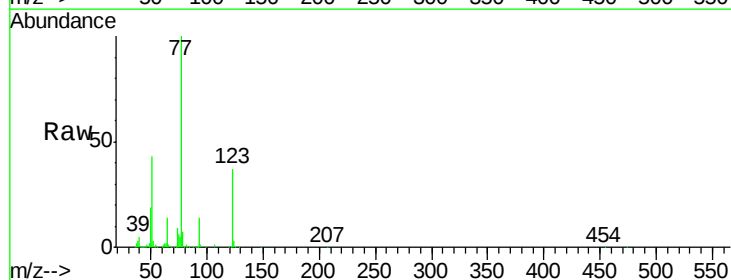
Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MS

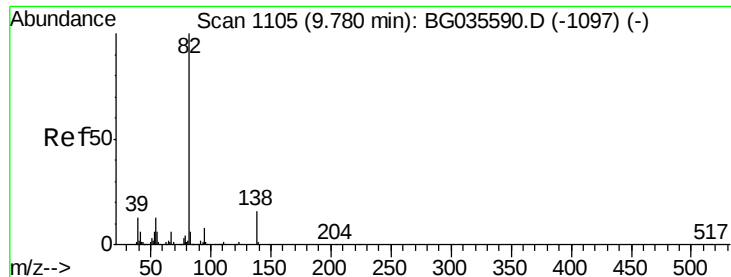
Tgt Ion: 82 Resp: 494822
 Ion Ratio Lower Upper
 82 100
 128 36.3 29.7 44.5
 54 45.7 43.1 64.7



#24
 Nitrobenzene
 Concen: 44.988 ng
 RT: 9.26 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Tgt Ion: 77 Resp: 228024
 Ion Ratio Lower Upper
 77 100
 123 36.6 33.0 49.6
 65 14.2 13.0 19.6





#25

Isophorone

Concen: 47.185 ng

RT: 9.78 min Scan# 1105

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

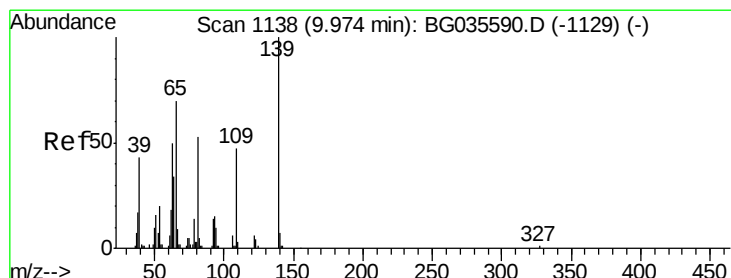
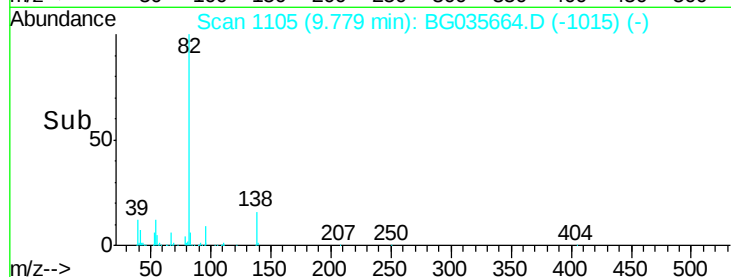
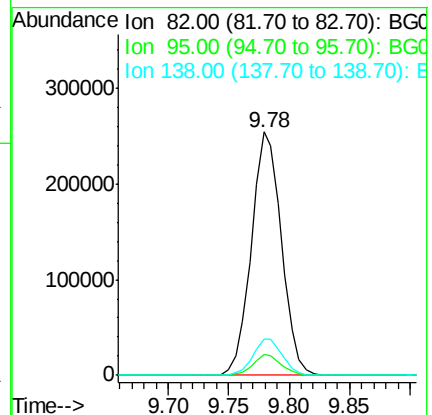
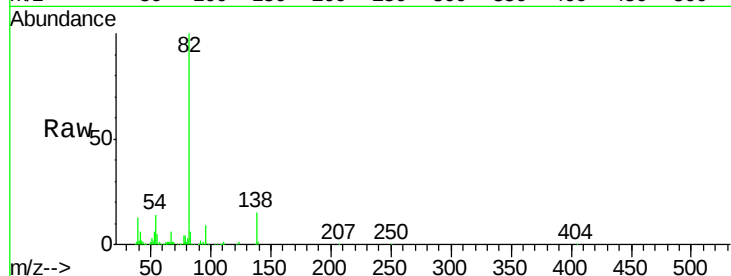
Tgt Ion: 82 Resp: 441455

Ion Ratio Lower Upper

82 100

95 8.7 6.2 9.2

138 14.9 12.1 18.1



#26

2-Nitrophenol

Concen: 49.671 ng

RT: 9.97 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

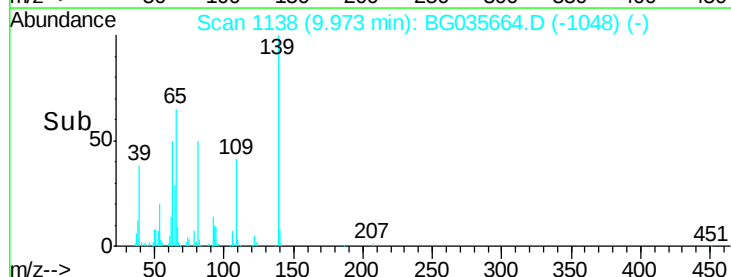
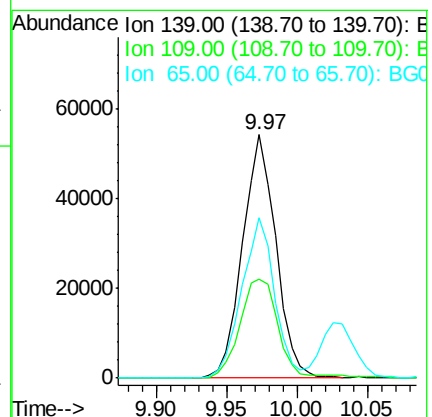
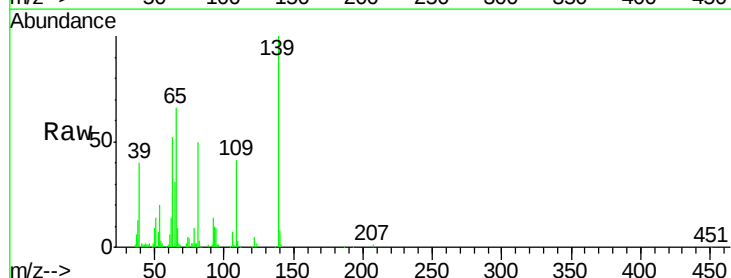
Tgt Ion: 139 Resp: 89414

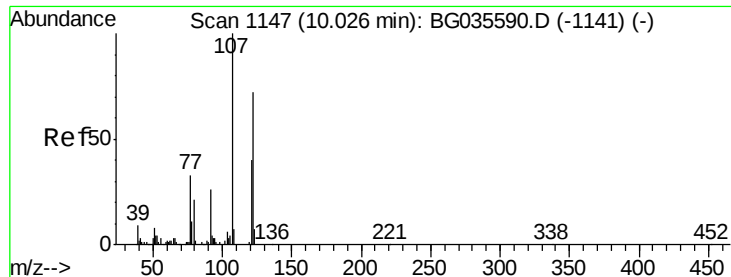
Ion Ratio Lower Upper

139 100

109 40.8 24.2 36.2#

65 66.1 47.4 71.0

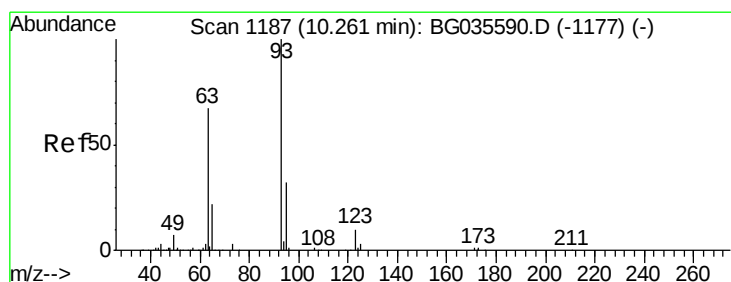
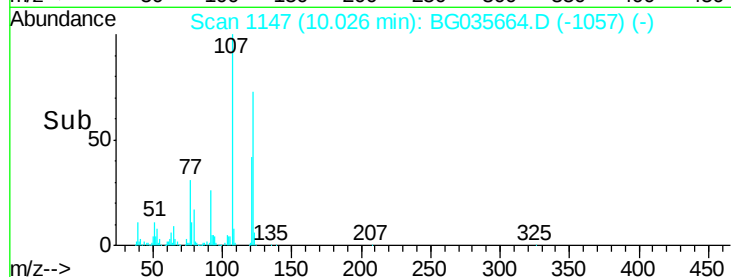
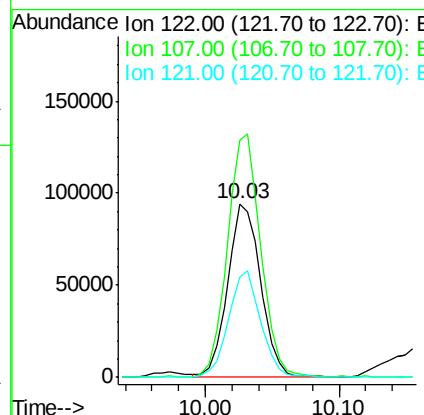
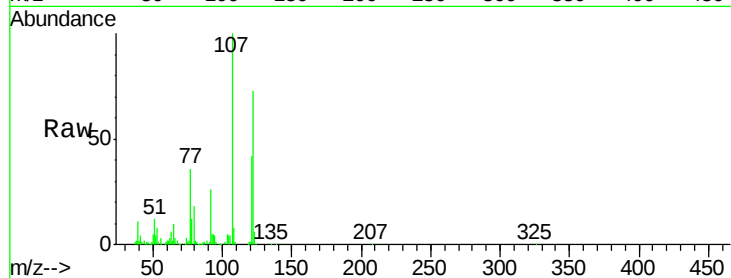




#27
 2,4-Dimethylphenol
 Concen: 53.333 ng
 RT: 10.03 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

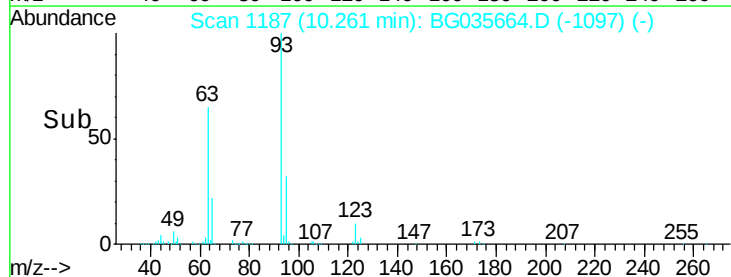
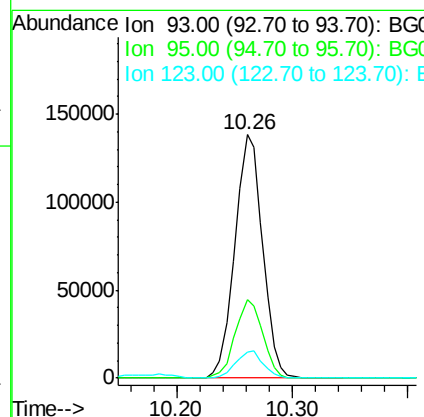
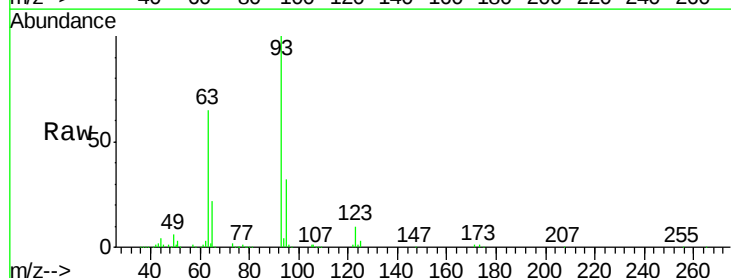
Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MS

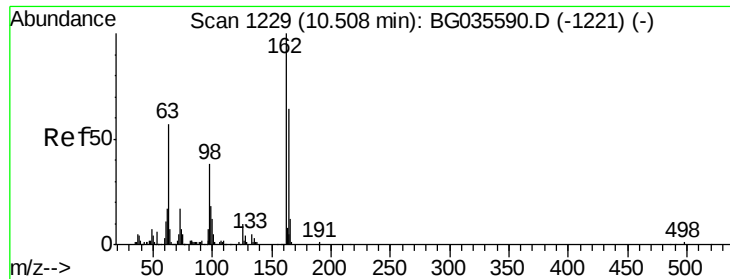
Tgt Ion	Ratio	Lower	Upper
122	100		
107	137.0	100.2	150.2
121	58.0	44.4	66.6



#28
 bis(2-Chloroethoxy)methane
 Concen: 44.552 ng
 RT: 10.26 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	24.3	36.5
123	10.4	8.4	12.6

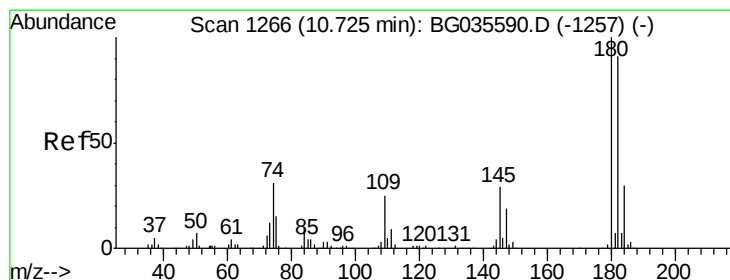
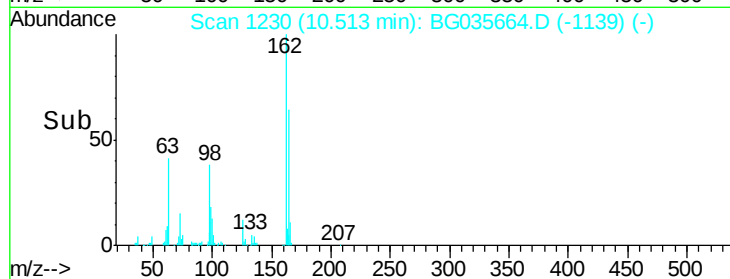
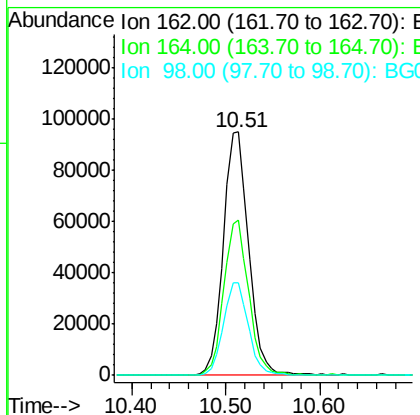
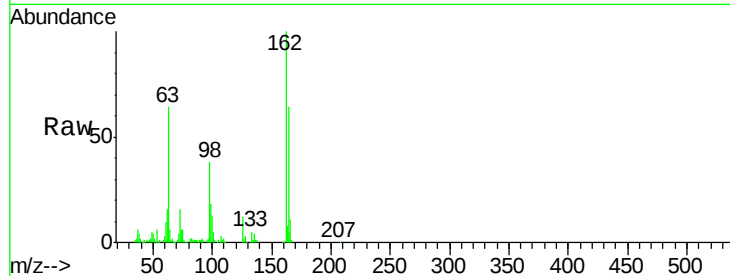




#29
 2,4-Dichlorophenol
 Concen: 50.993 ng
 RT: 10.51 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

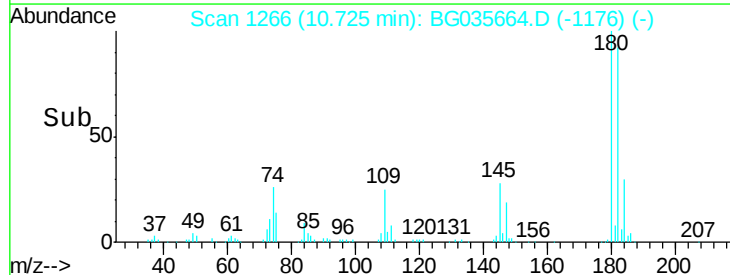
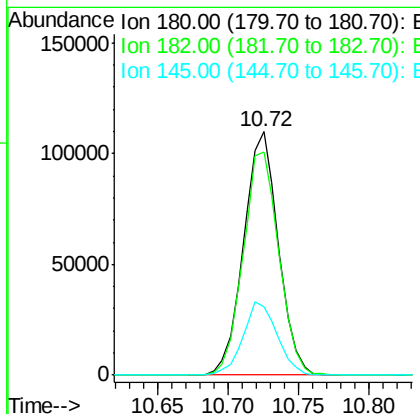
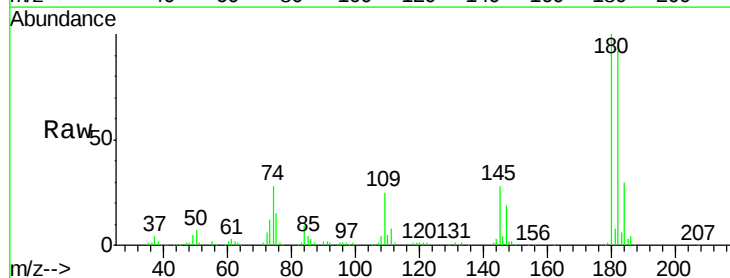
Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MS

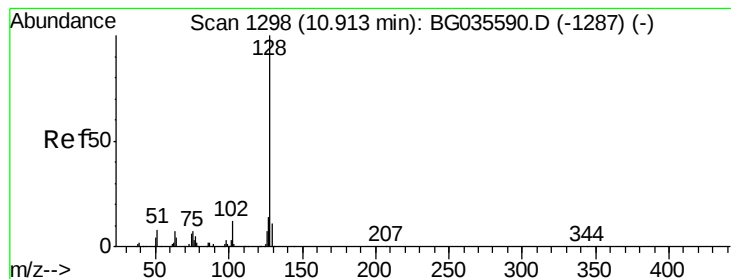
Tgt Ion:162 Resp: 177368
 Ion Ratio Lower Upper
 162 100
 164 63.8 48.0 88.0
 98 38.1 21.1 61.1



#30
 1,2,4-Trichlorobenzene
 Concen: 44.168 ng
 RT: 10.72 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Tgt Ion:180 Resp: 188384
 Ion Ratio Lower Upper
 180 100
 182 91.5 77.5 116.3
 145 27.9 23.4 35.2





#31

Naphthalene

Concen: 45.231 ng

RT: 10.91 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

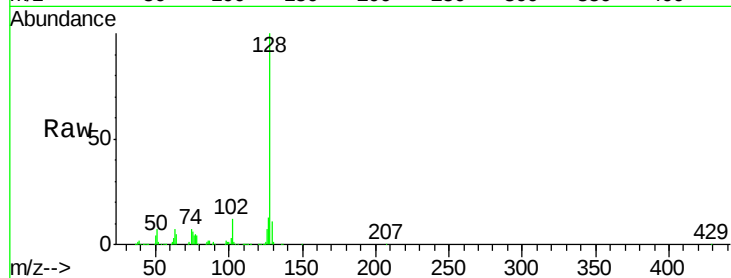
Tgt Ion:128 Resp: 496057

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

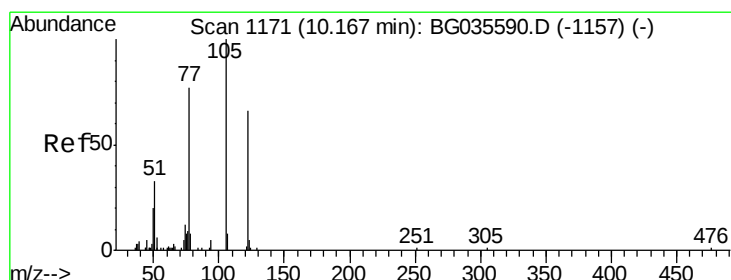
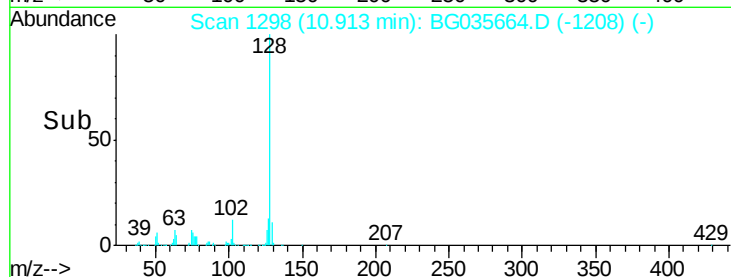
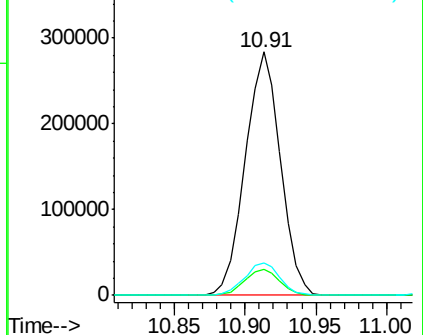
127 13.4 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 40.131 ng

RT: 10.18 min Scan# 1174

Delta R.T. 0.02 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

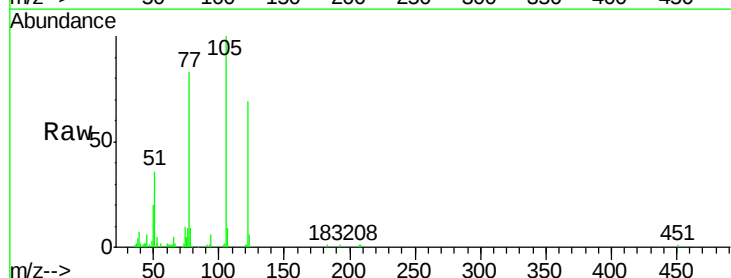
Tgt Ion:122 Resp: 82321

Ion Ratio Lower Upper

122 100

105 144.5 123.5 163.5

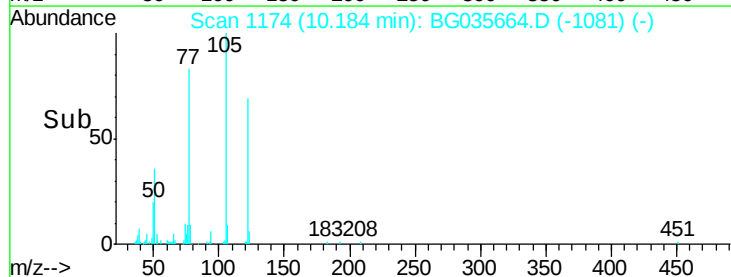
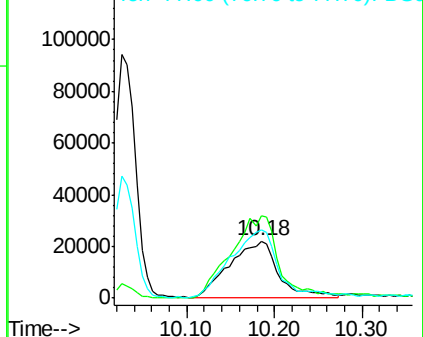
77 120.3 85.7 125.7

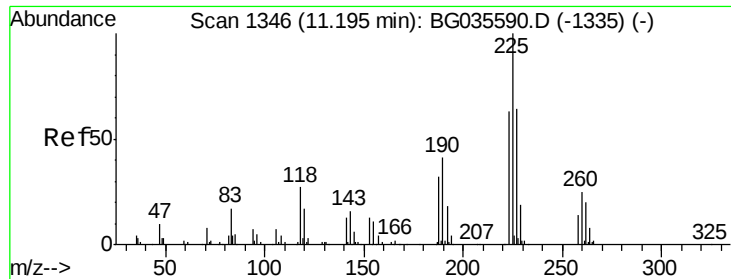


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

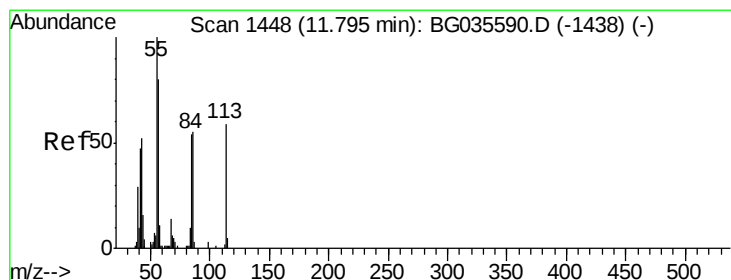
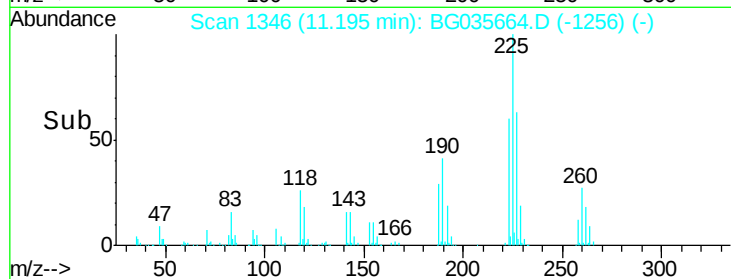
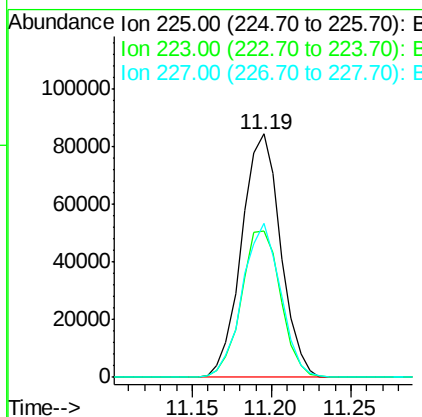
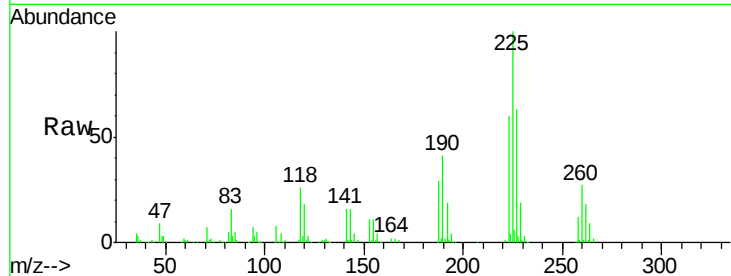




#34
Hexachlorobutadiene
Concen: 43.402 ng
RT: 11.19 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

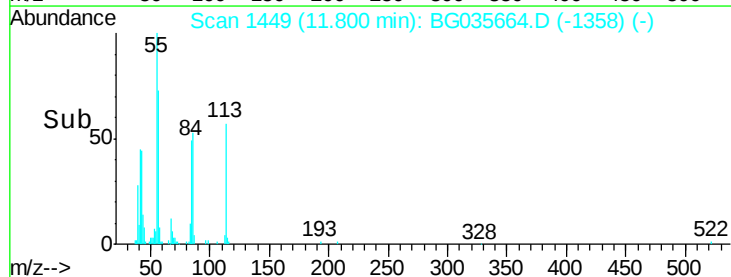
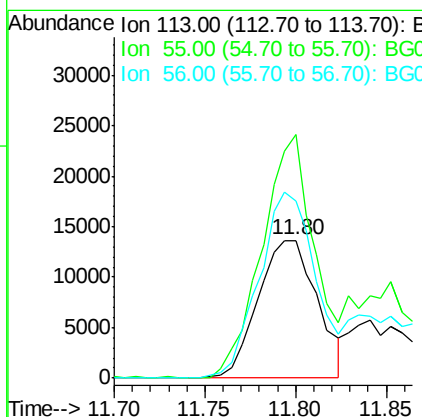
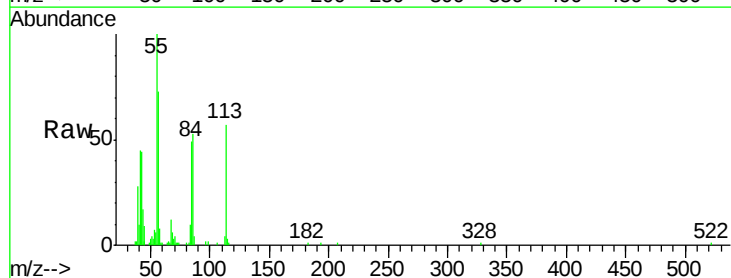
Instrument :
BNA_G
ClientSampled :
LS-SOIL-1MS

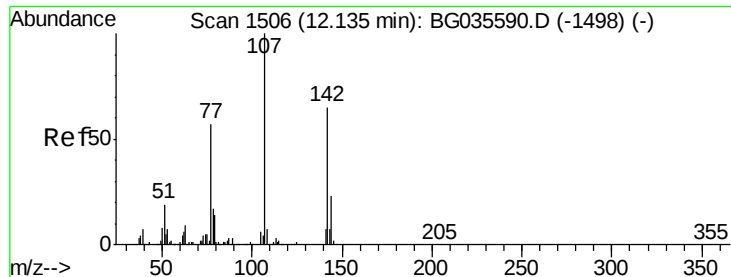
Tgt Ion:225 Resp: 144351
Ion Ratio Lower Upper
225 100
223 59.9 49.7 74.5
227 63.3 48.1 72.1



#35
Caprolactam
Concen: 20.786 ng
RT: 11.80 min Scan# 1449
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion:113 Resp: 31026
Ion Ratio Lower Upper
113 100
55 176.5 186.9 226.9#
56 128.1 130.9 170.9#

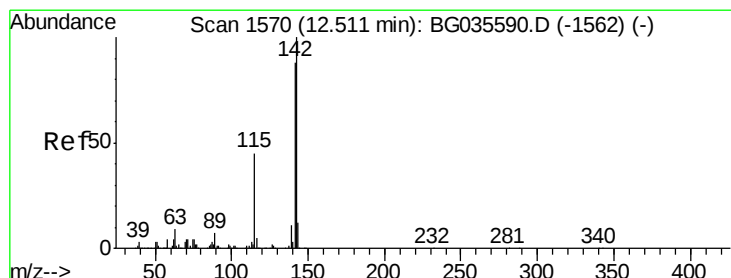
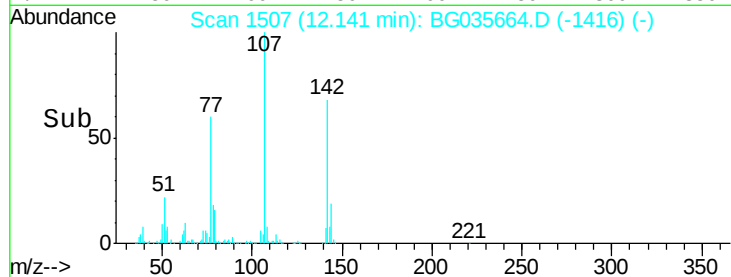
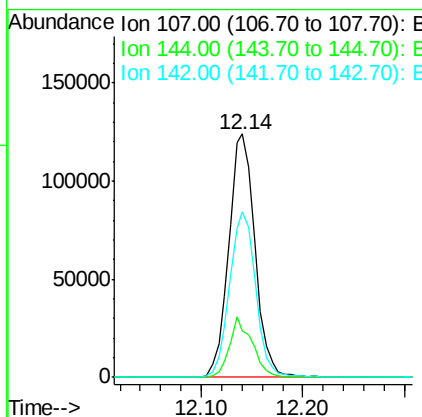
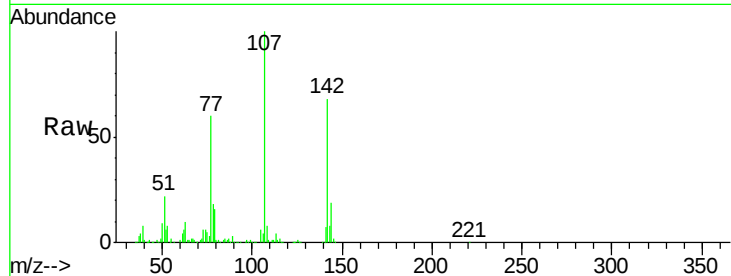




#36
 4-Chloro-3-methylphenol
 Concen: 47.589 ng
 RT: 12.14 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

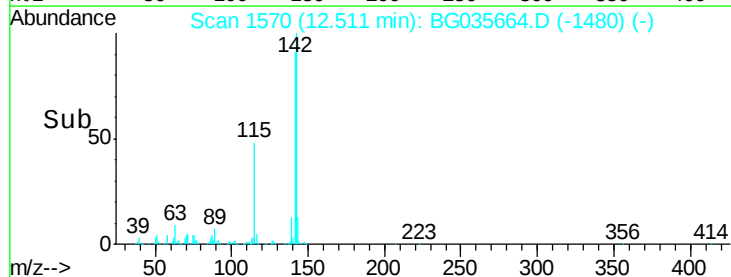
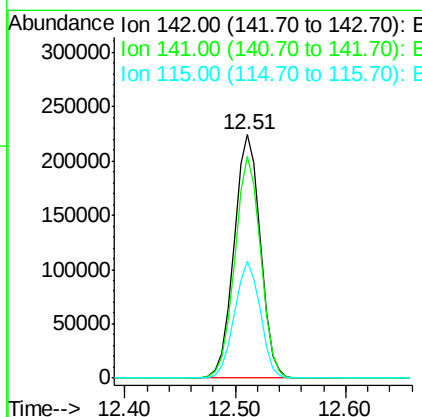
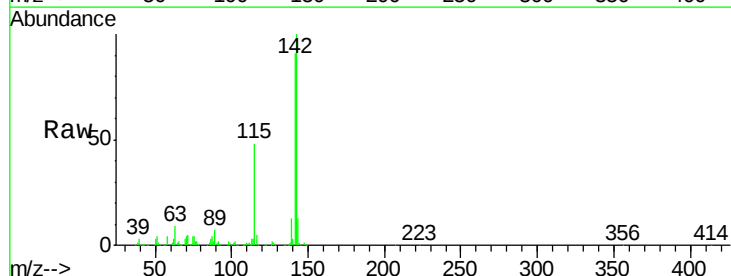
Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MS

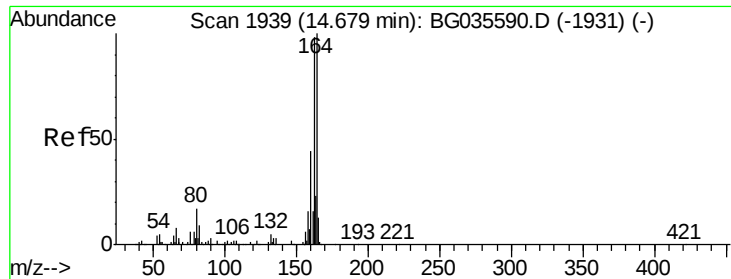
Tgt Ion	Ratio	Lower	Upper
107	100		
144	19.2	18.2	27.4
142	67.9	59.0	88.4



#37
 2-Methylnaphthalene
 Concen: 45.914 ng
 RT: 12.51 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.9	67.1	100.7
115	48.1	30.7	46.1#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

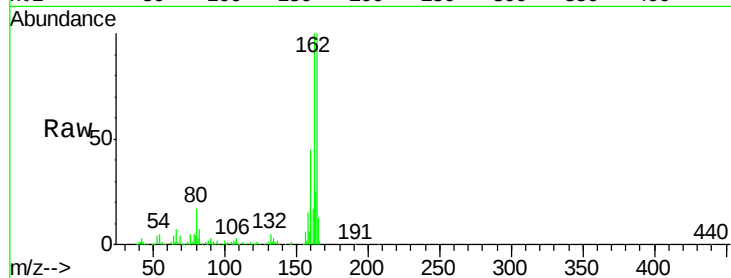
Tgt Ion:164 Resp: 148938

Ion Ratio Lower Upper

164 100

162 100.3 78.8 118.2

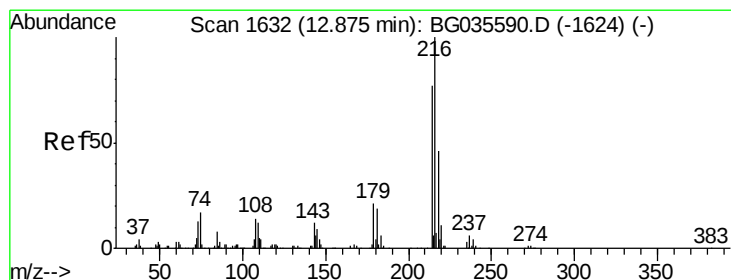
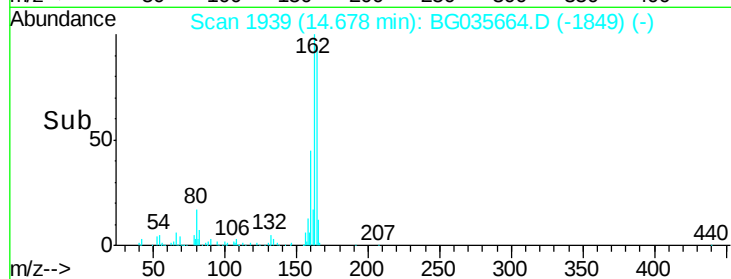
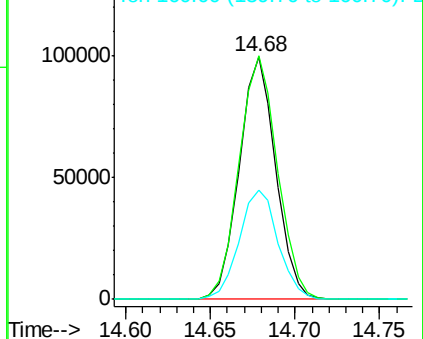
160 44.8 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 45.543 ng

RT: 12.87 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion:216 Resp: 256019

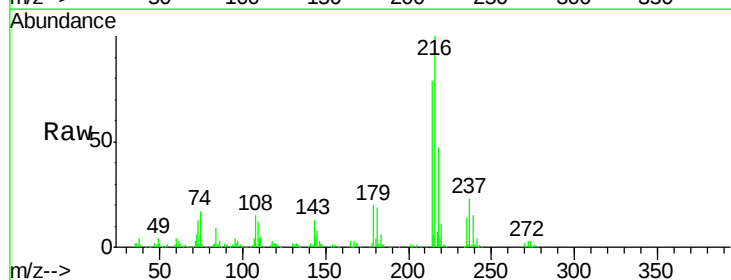
Ion Ratio Lower Upper

216 100

214 78.7 63.0 94.4

179 19.7 17.0 25.6

108 17.5 12.8 19.2

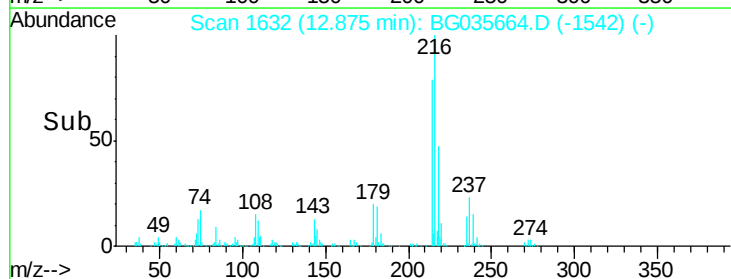
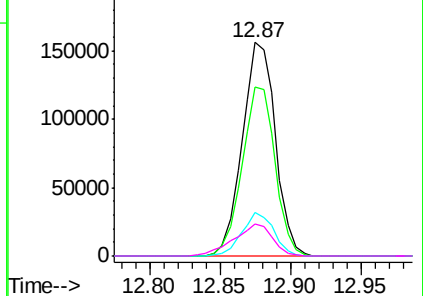


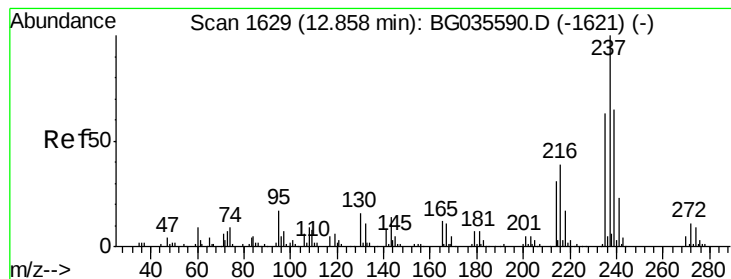
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#40

Hexachlorocyclopentadiene

Concen: 110.835 ng

RT: 12.86 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

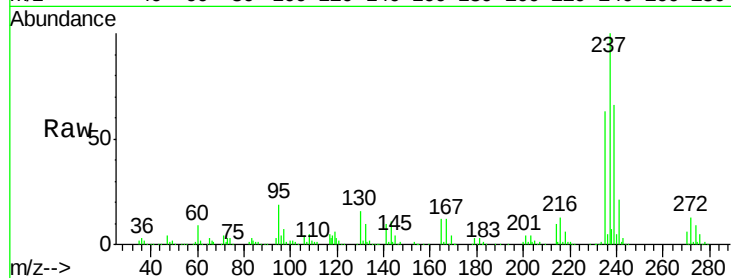
Tgt Ion: 237 Resp: 326754

Ion Ratio Lower Upper

237 100

235 63.1 50.4 90.4

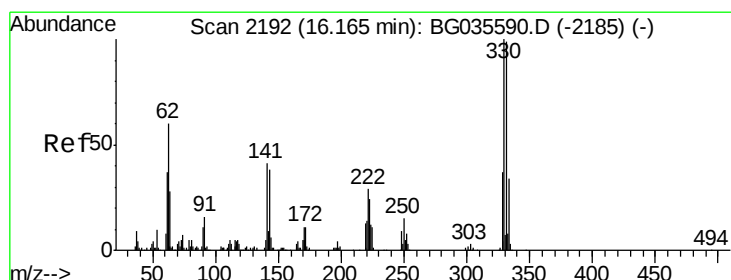
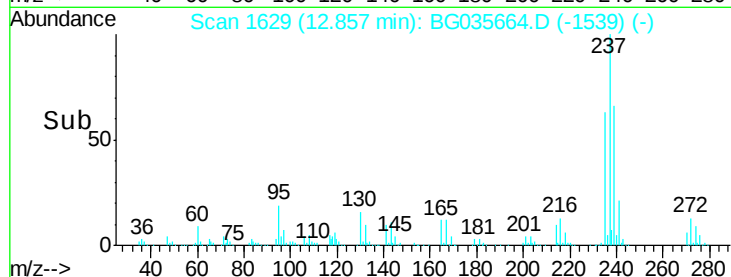
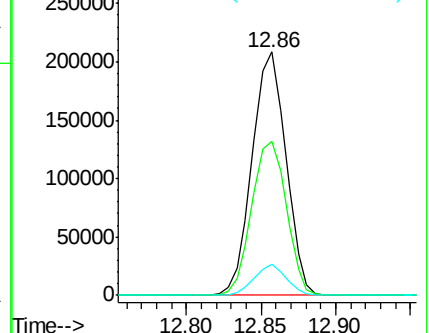
272 13.0 0.0 31.8



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 167.529 ng

RT: 16.17 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

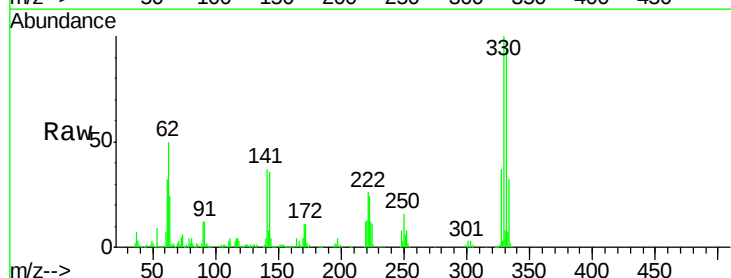
Tgt Ion: 330 Resp: 328875

Ion Ratio Lower Upper

330 100

332 94.5 77.0 115.6

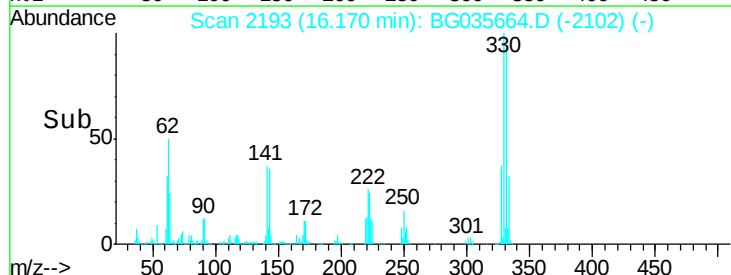
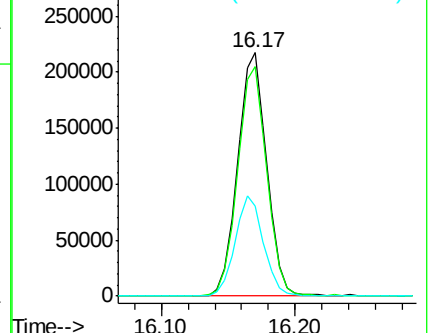
141 40.5 25.2 37.8#

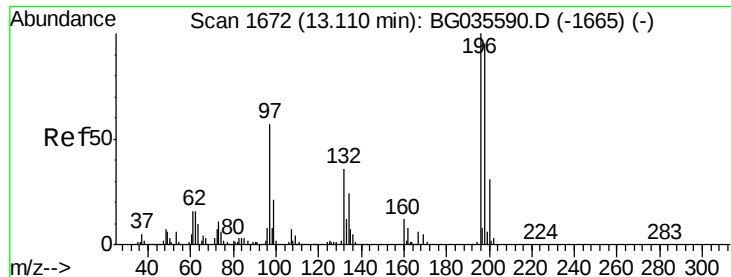


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 51.505 ng

RT: 13.12 min Scan# 1673

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

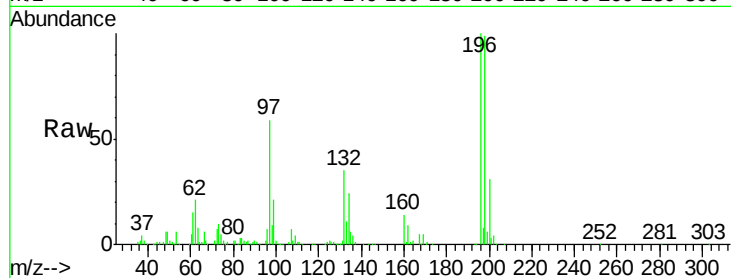
Tgt Ion:196 Resp: 169318

Ion Ratio Lower Upper

196 100

198 99.4 78.2 117.2

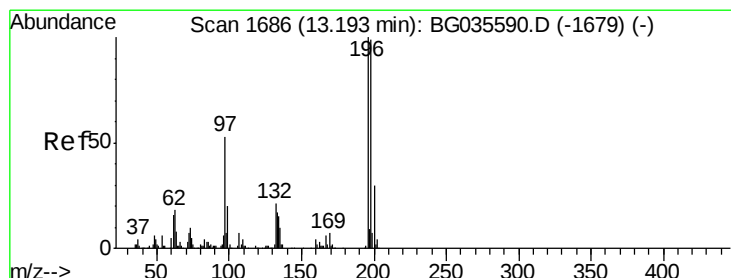
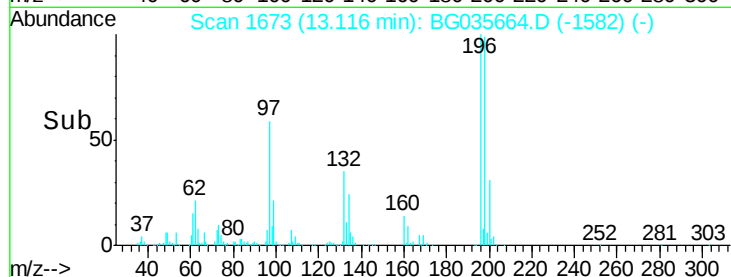
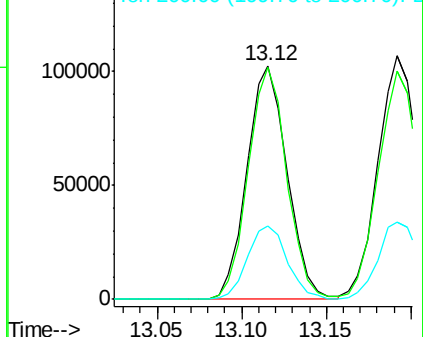
200 31.3 24.6 36.8



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: 49.982 ng

RT: 13.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion:196 Resp: 183817

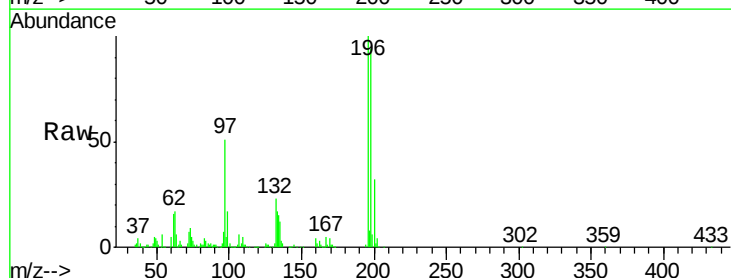
Ion Ratio Lower Upper

196 100

198 94.0 76.2 114.4

97 51.3 38.7 58.1

132 23.0 20.2 30.2

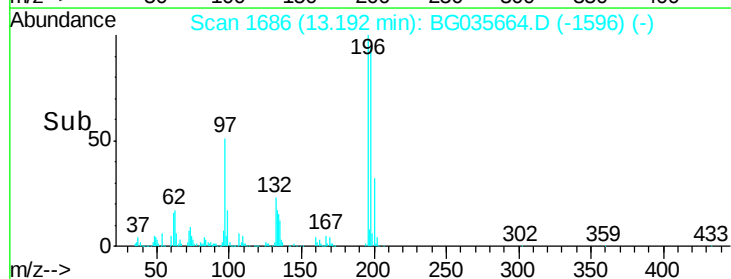
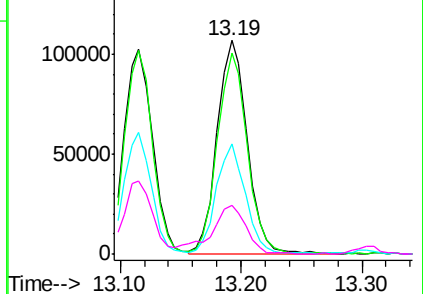


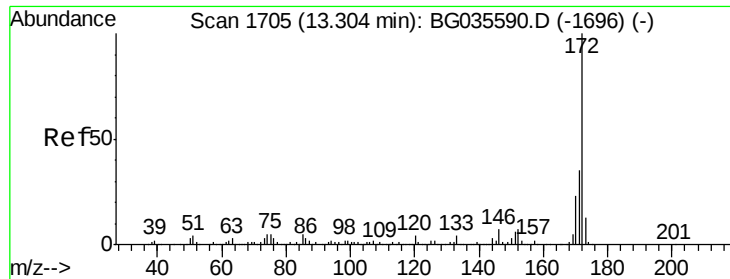
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E

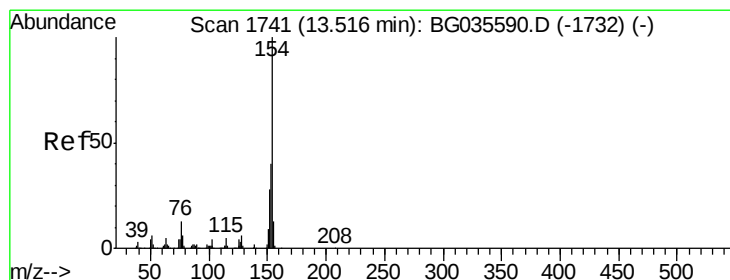
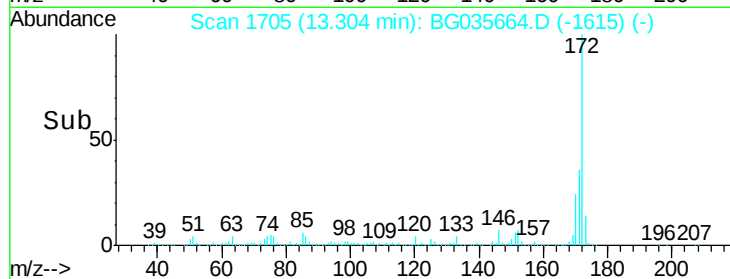
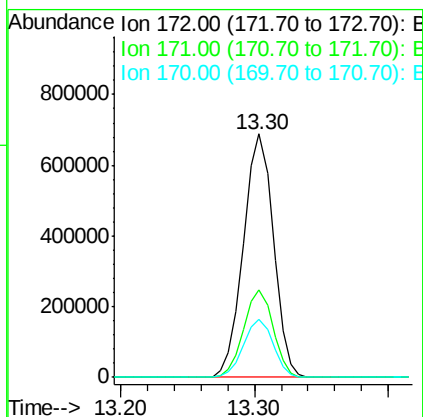
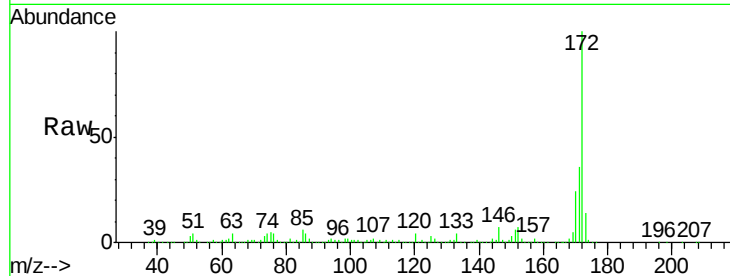




#44
2-Fluorobiphenyl
Concen: 96.010 ng
RT: 13.30 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

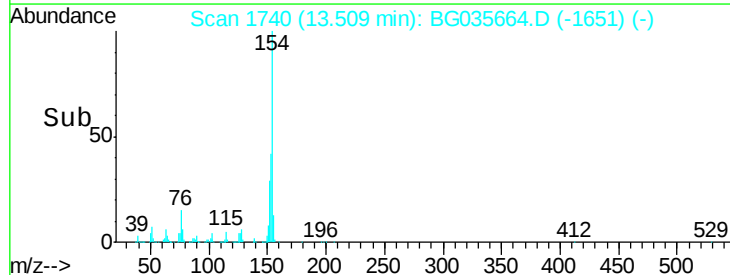
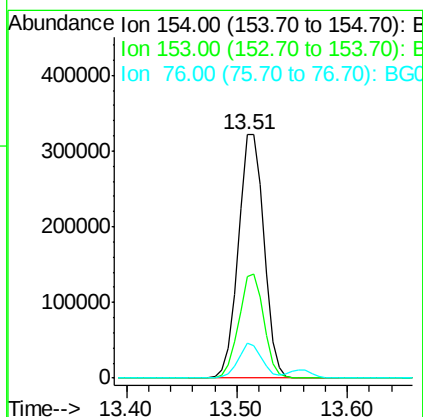
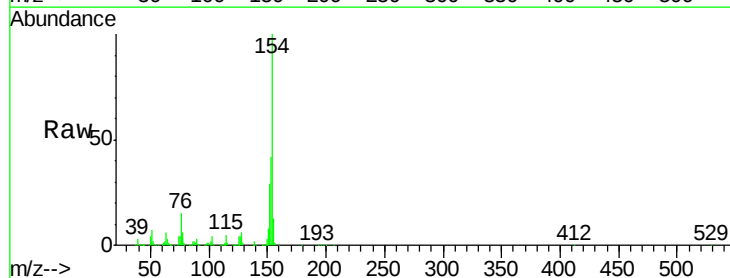
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

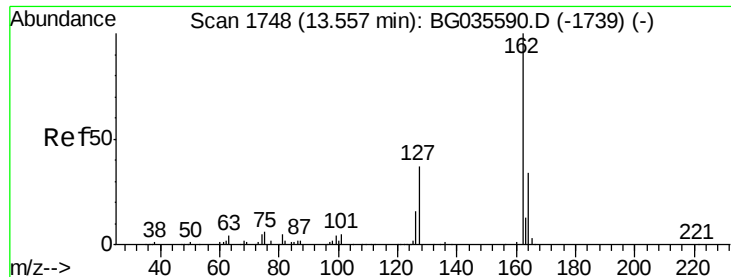
Tgt Ion:172 Resp: 1067332
Ion Ratio Lower Upper
172 100
171 36.1 30.0 45.0
170 23.9 19.5 29.3



#45
1,1'-Biphenyl
Concen: 45.490 ng
RT: 13.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion:154 Resp: 525280
Ion Ratio Lower Upper
154 100
153 41.8 19.8 59.8
76 14.5 0.0 31.9

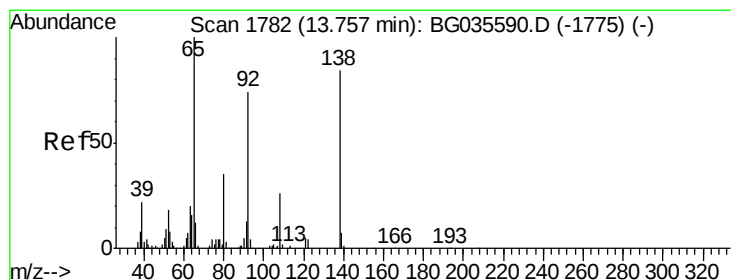
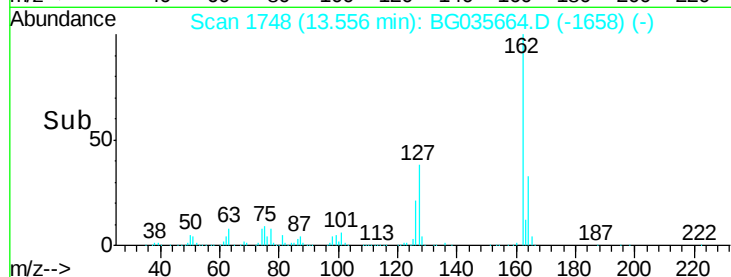
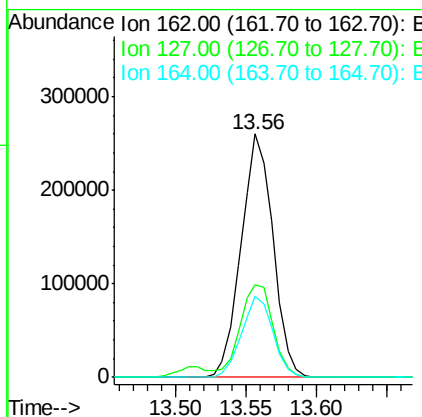
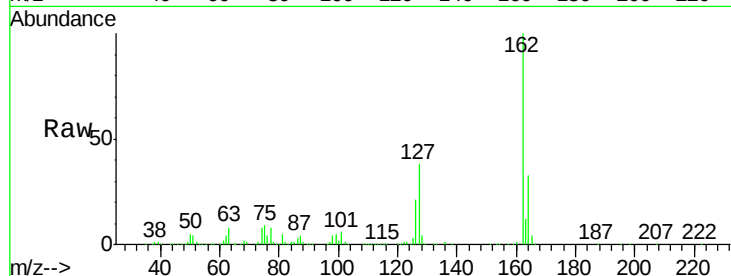




#46
2-Chloronaphthalene
Concen: 45.800 ng
RT: 13.56 min Scan# 1748
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

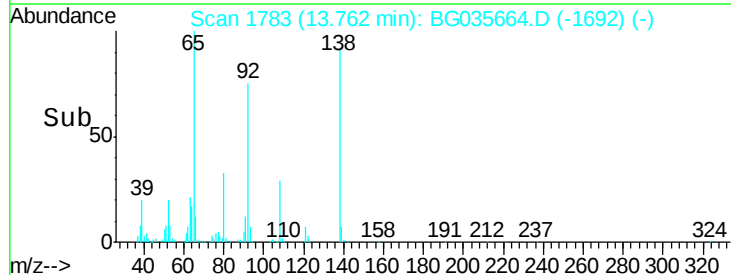
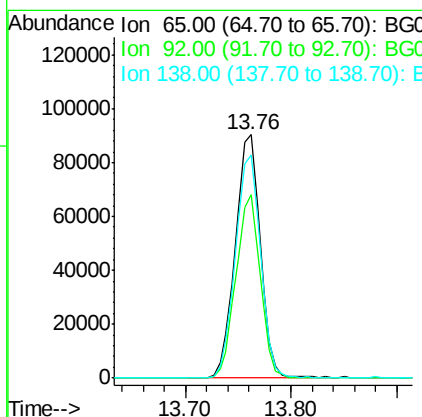
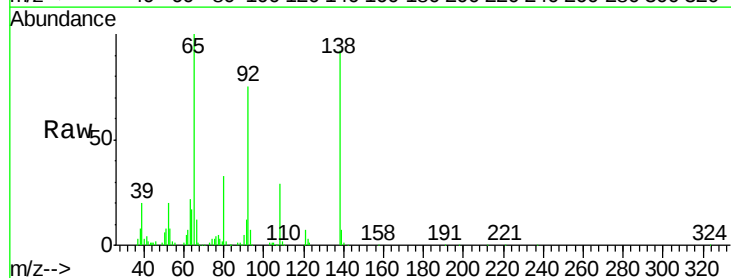
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

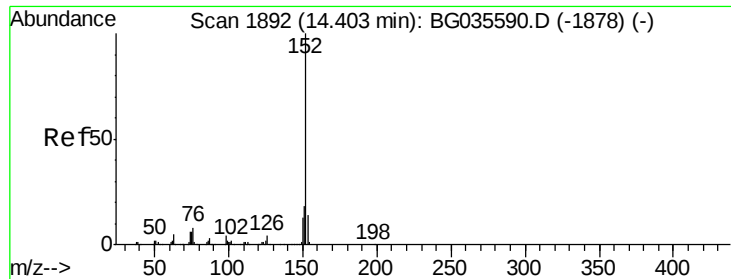
Tgt Ion: 162 Resp: 411362
Ion Ratio Lower Upper
162 100
127 38.2 30.7 46.1
164 33.3 26.0 39.0



#47
2-Nitroaniline
Concen: 46.443 ng
RT: 13.76 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion: 65 Resp: 147474
Ion Ratio Lower Upper
65 100
92 75.1 54.6 82.0
138 91.9 72.9 109.3





#48

Acenaphthylene

Concen: 46.294 ng

RT: 14.40 min Scan# 1892

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

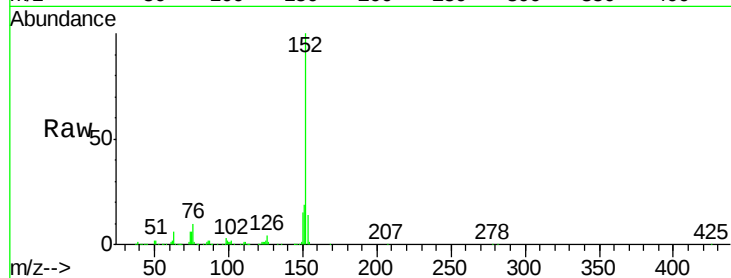
Tgt Ion:152 Resp: 696520

Ion Ratio Lower Upper

152 100

151 19.5 17.2 25.8

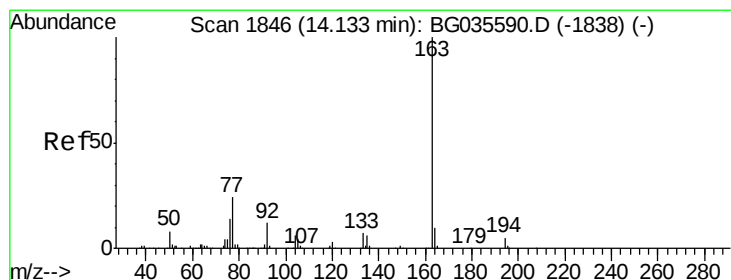
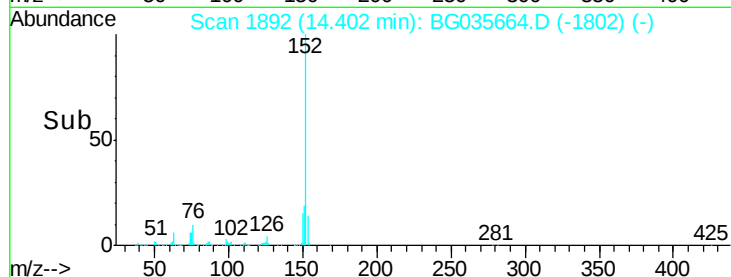
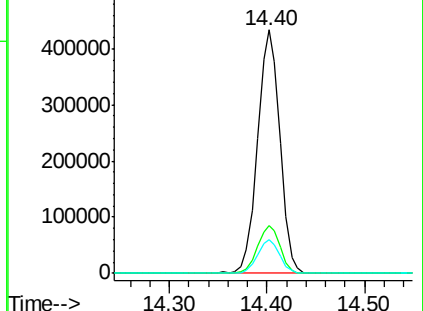
153 13.6 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 43.962 ng

RT: 14.13 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

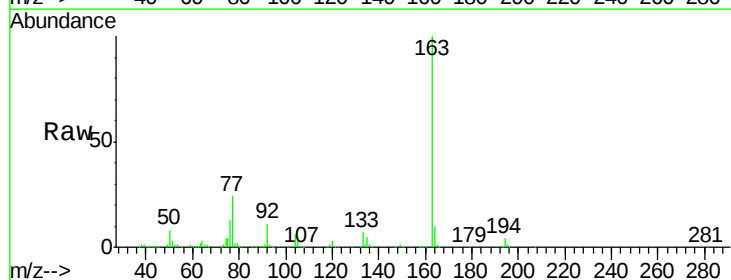
Tgt Ion:163 Resp: 573671

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

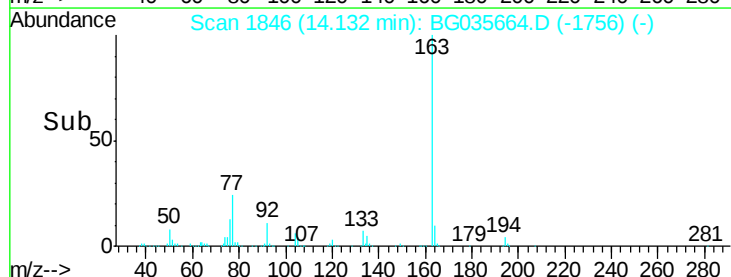
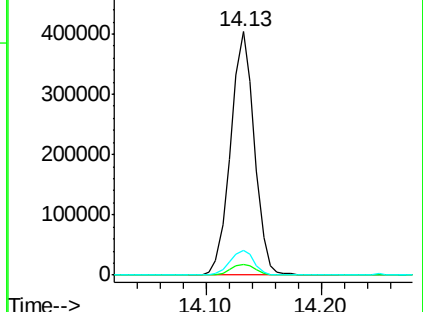
164 10.3 8.2 12.4

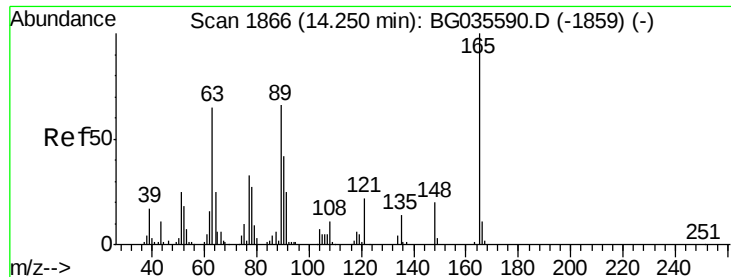


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

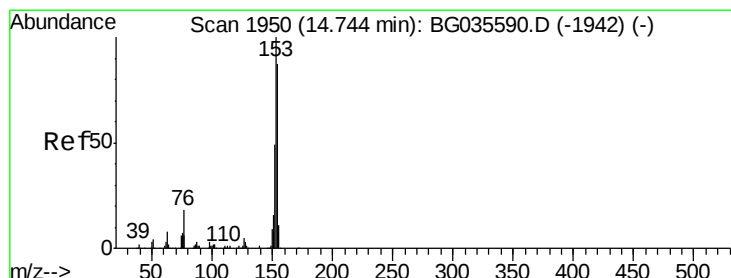
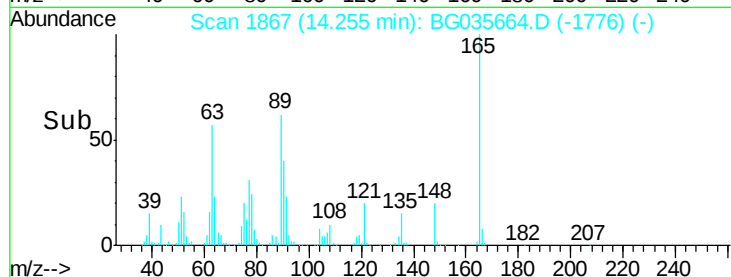
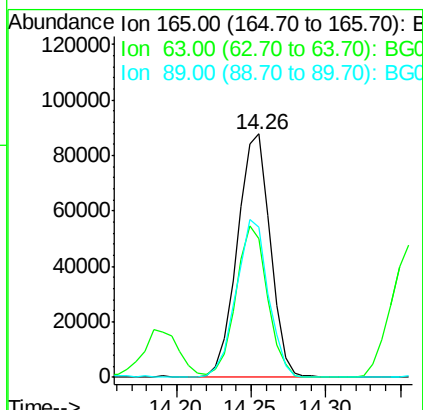
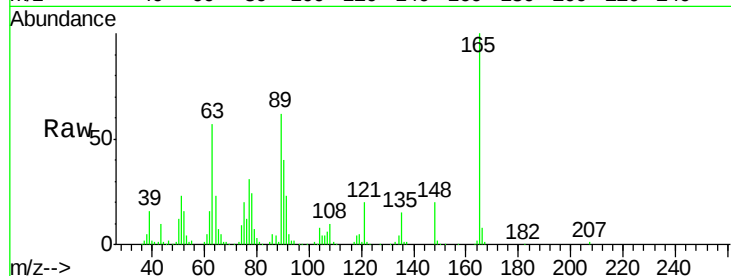




#50
2,6-Dinitrotoluene
Concen: 50.560 ng
RT: 14.26 min Scan# 1867
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

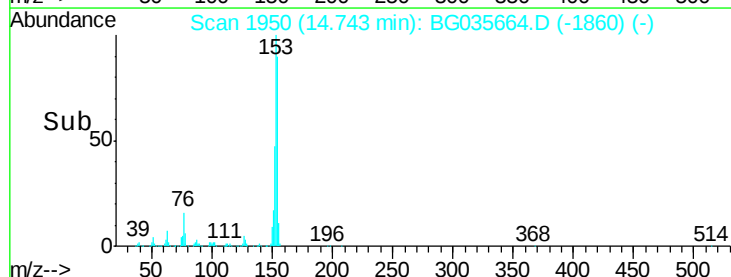
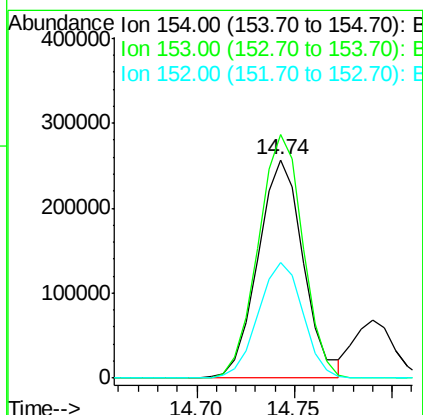
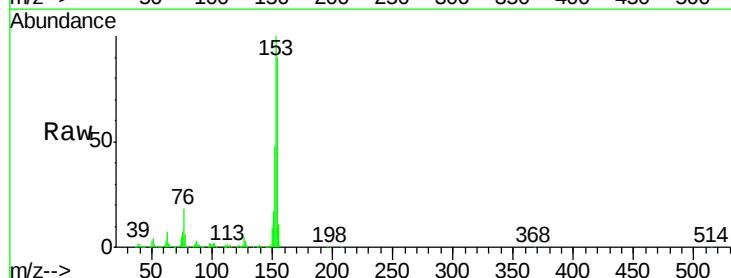
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

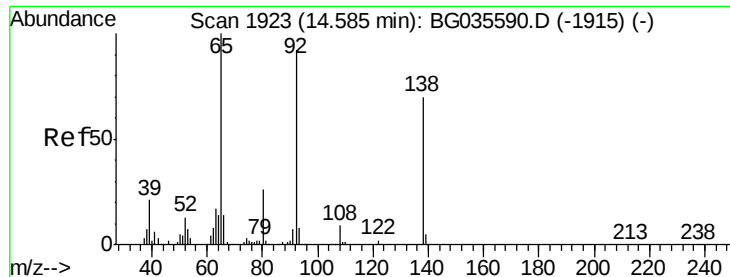
Tgt Ion:165 Resp: 134353
Ion Ratio Lower Upper
165 100
63 57.2 52.7 79.1
89 61.5 49.2 73.8



#51
Acenaphthene
Concen: 43.915 ng
RT: 14.74 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion:154 Resp: 411590
Ion Ratio Lower Upper
154 100
153 111.4 90.4 135.6
152 53.0 41.6 62.4

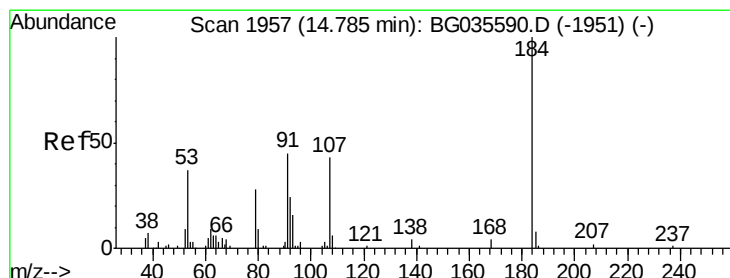
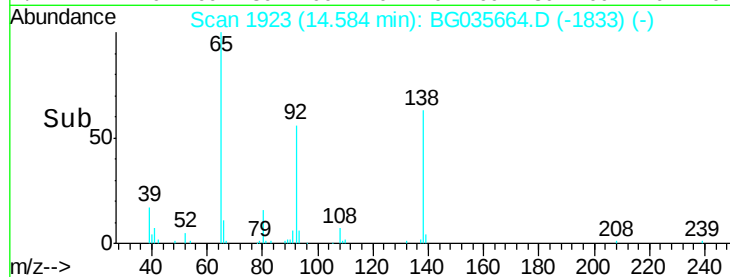
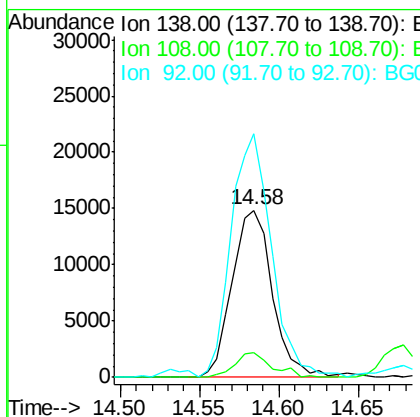
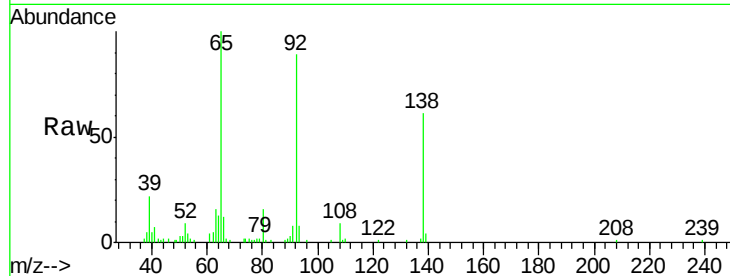




#52
3-Nitroaniline
Concen: 9.673 ng
RT: 14.58 min Scan# 1923
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

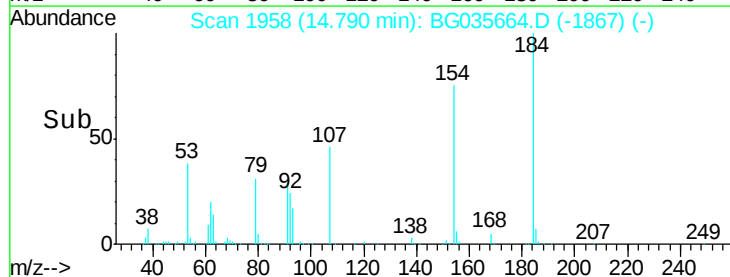
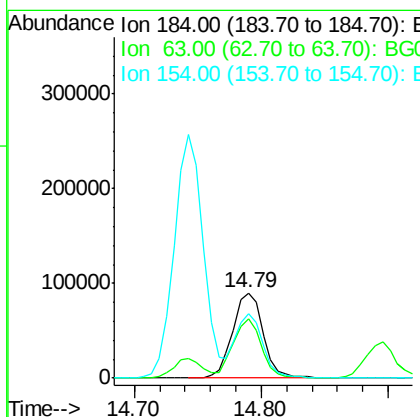
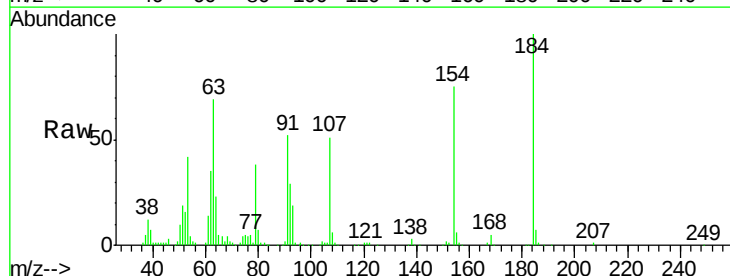
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

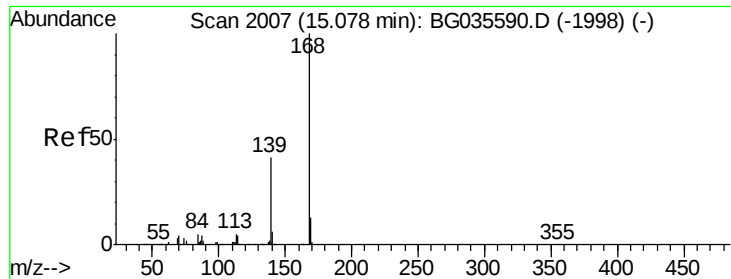
Tgt Ion:138 Resp: 26271
Ion Ratio Lower Upper
138 100
108 14.6 17.5 26.3#
92 145.8 105.8 158.8



#53
2,4-Dinitrophenol
Concen: 107.143 ng
RT: 14.79 min Scan# 1958
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion:184 Resp: 149734
Ion Ratio Lower Upper
184 100
63 69.4 59.8 89.8
154 75.2 101.8 152.8#





#54

Dibenzenofuran

Concen: 44.982 ng

RT: 15.08 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

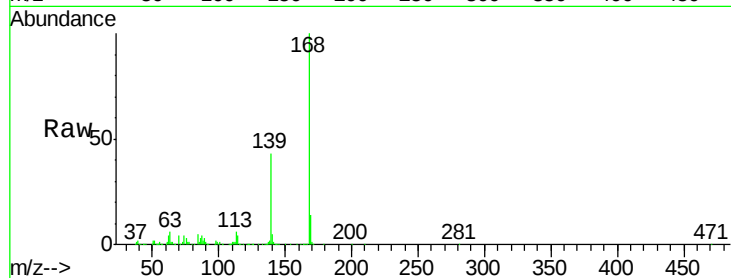
Tgt Ion:168 Resp: 670494

Ion Ratio Lower Upper

168 100

139 42.5 28.6 43.0

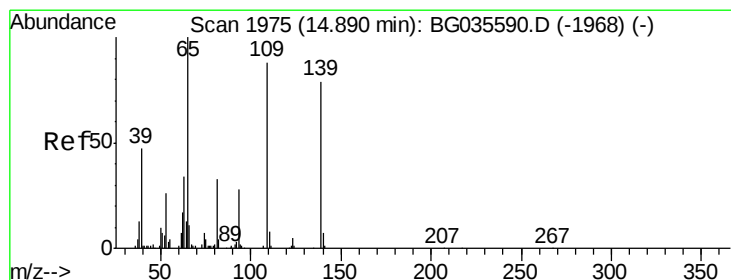
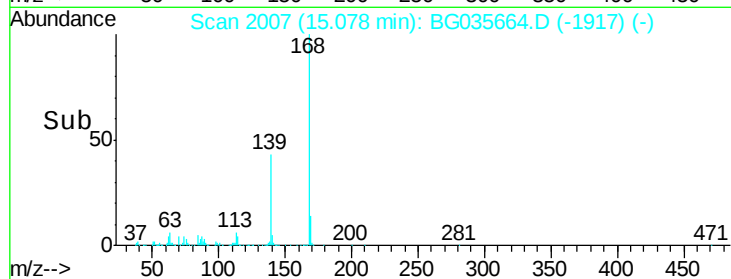
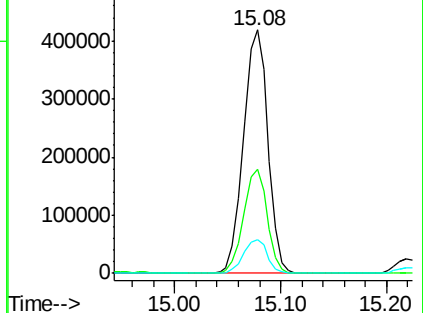
169 13.7 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 89.189 ng

RT: 14.90 min Scan# 1976

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

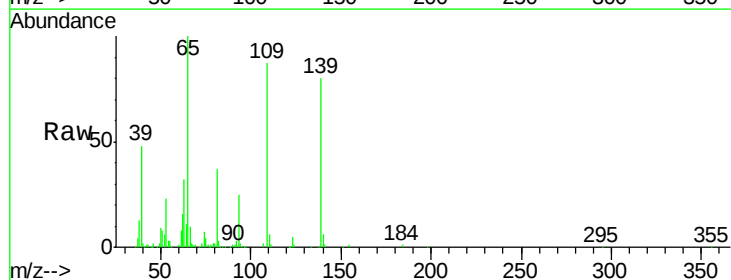
Tgt Ion:139 Resp: 172509

Ion Ratio Lower Upper

139 100

109 108.4 62.2 102.2#

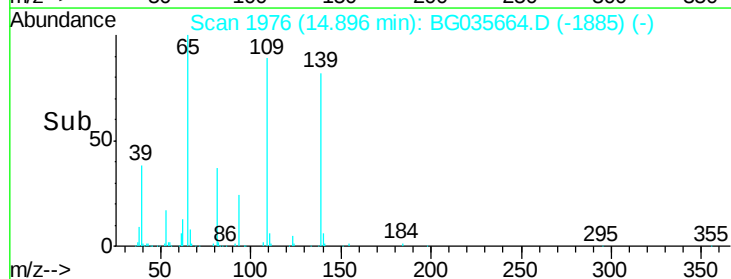
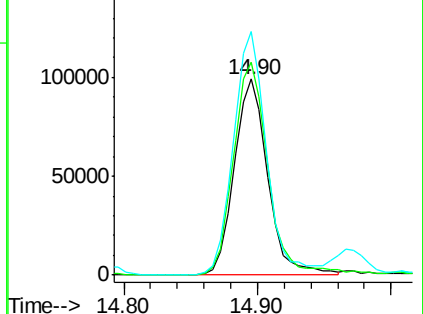
65 124.2 97.2 137.2

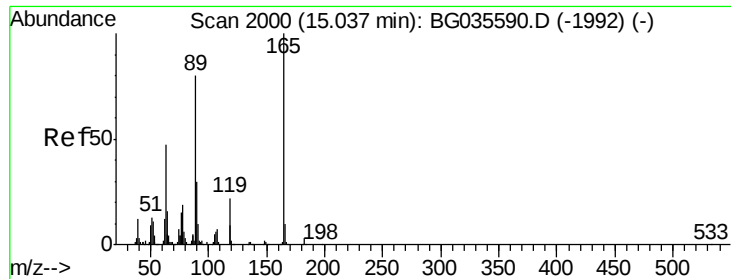


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#56

2,4-Dinitrotoluene

Concen: 50.357 ng

RT: 15.04 min Scan# 2000

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

Tgt Ion:165 Resp: 191972

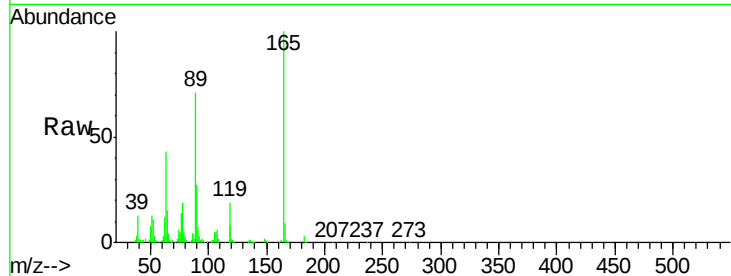
Ion Ratio Lower Upper

165 100

63 43.0 42.0 63.0

89 71.0 66.9 100.3

182 2.8 2.6 3.8

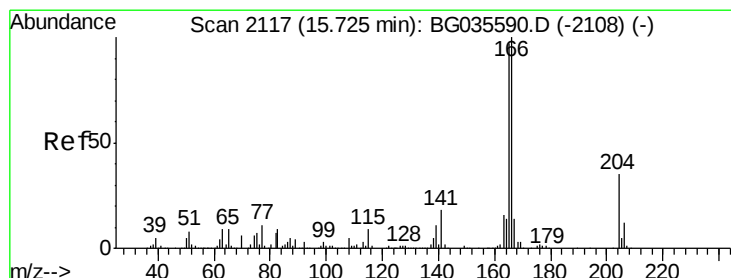
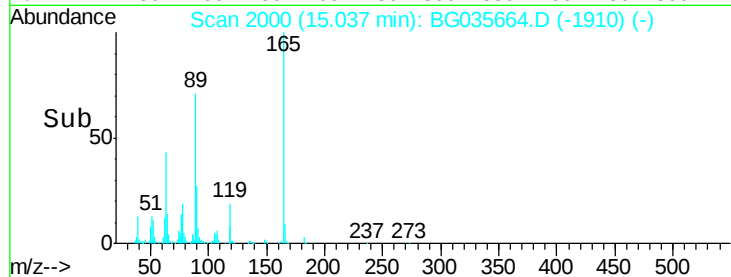
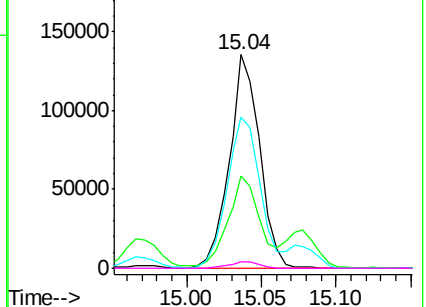


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 44.863 ng

RT: 15.72 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

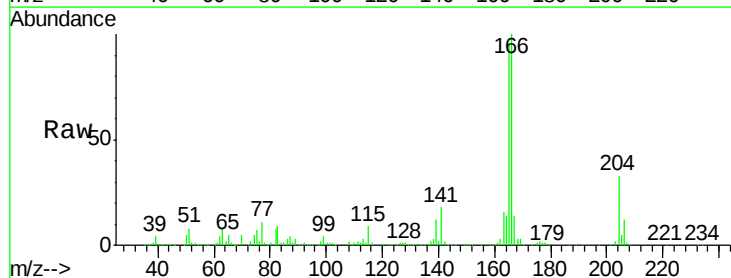
Tgt Ion:166 Resp: 560479

Ion Ratio Lower Upper

166 100

165 95.8 80.6 121.0

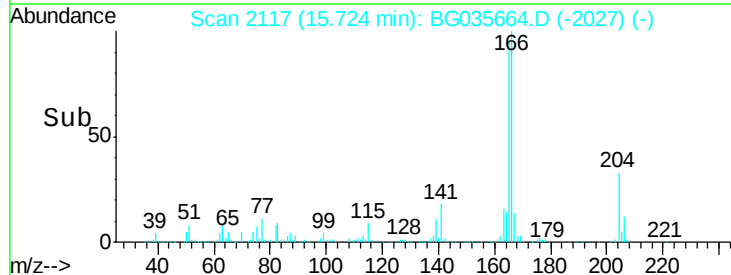
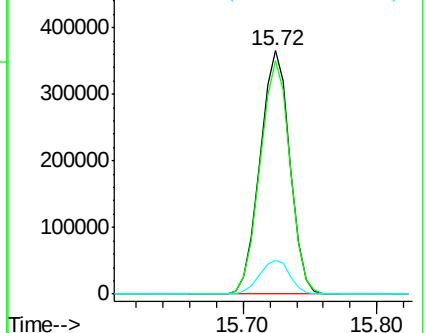
167 14.1 10.4 15.6

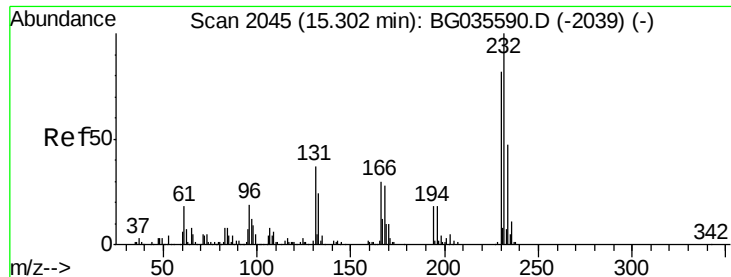


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

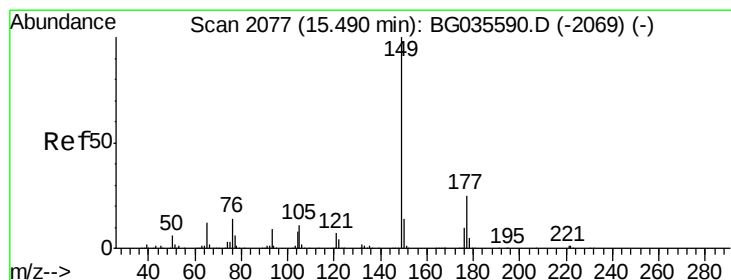
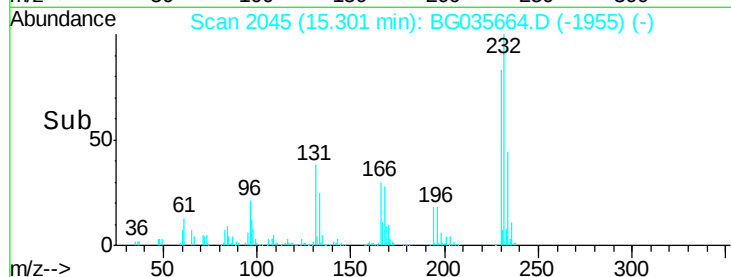
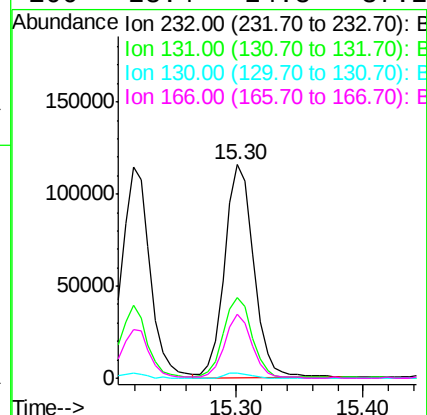
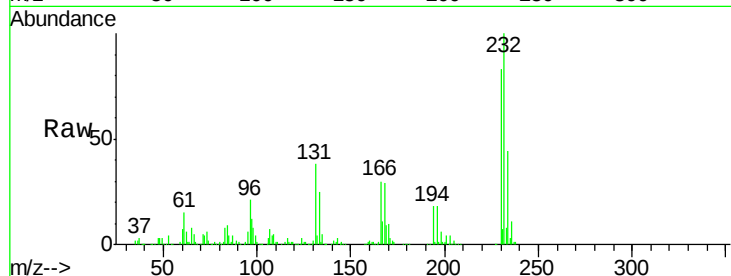




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 52.160 ng
 RT: 15.30 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

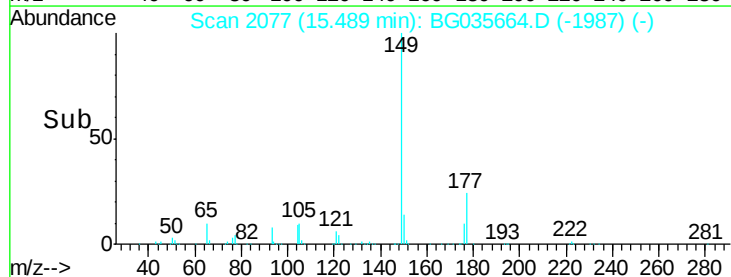
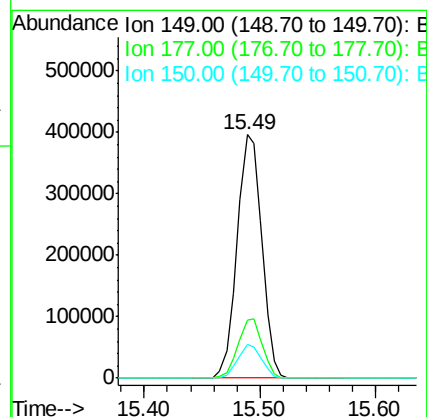
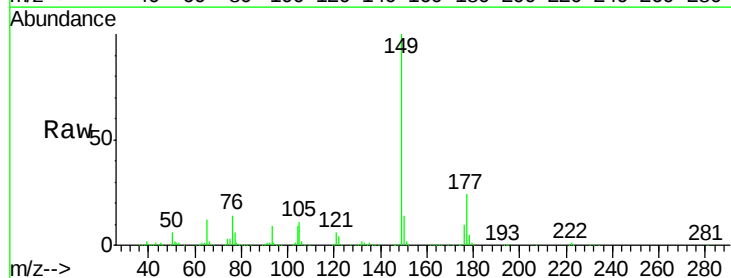
Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MS

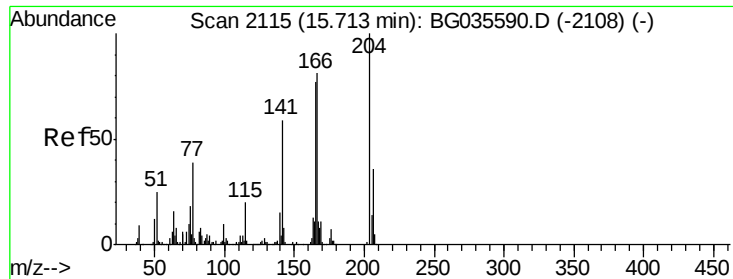
Tgt Ion	Ratio	Lower	Upper
232	100		
131	37.9	33.5	50.3
130	2.3	2.2	3.2
166	28.4	24.8	37.2



#59
 Diethylphthalate
 Concen: 43.532 ng
 RT: 15.49 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.0	18.5	27.7
150	13.7	10.2	15.2

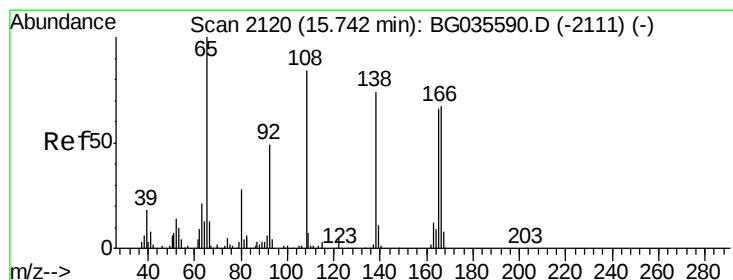
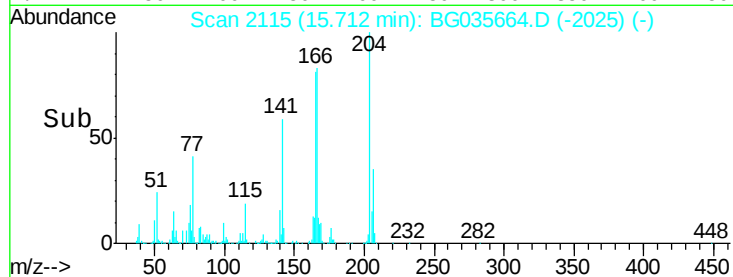
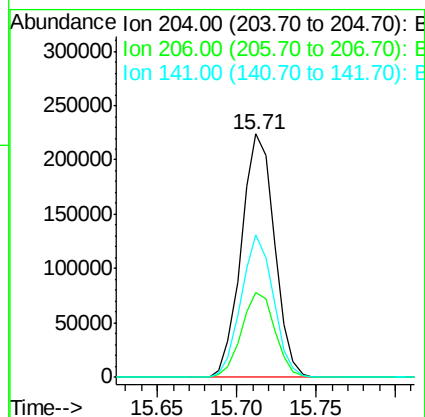
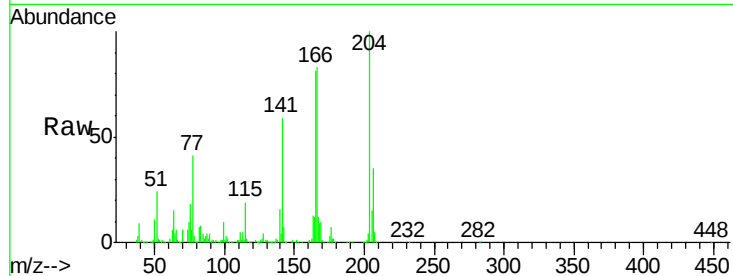




#60
4-Chlorophenyl-phenylether
Concen: 44.173 ng
RT: 15.71 min Scan# 2115
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

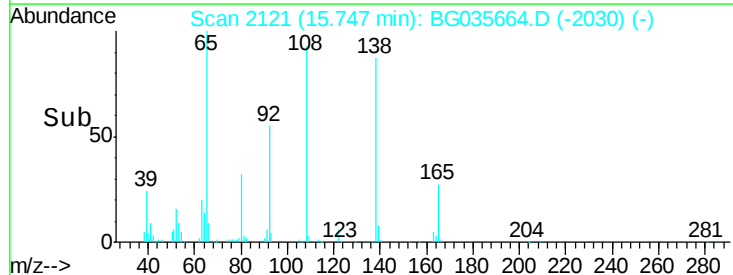
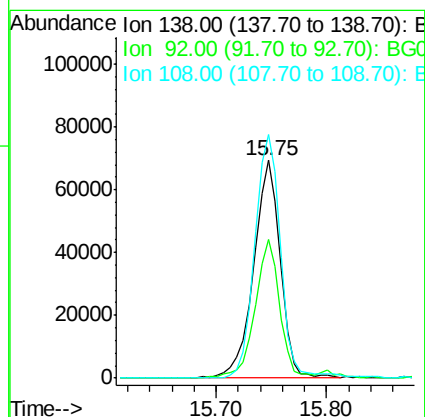
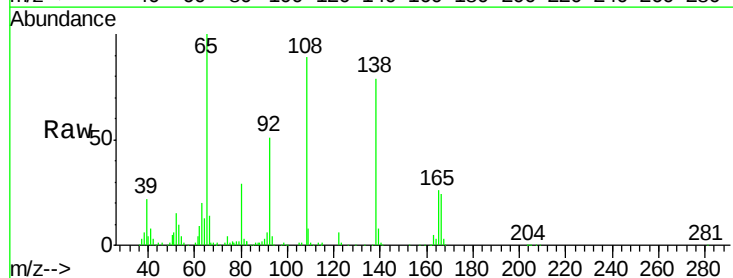
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

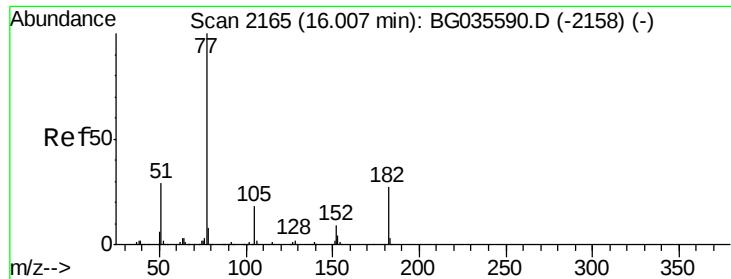
Tgt Ion: 204 Resp: 324352
Ion Ratio Lower Upper
204 100
206 34.9 26.2 39.2
141 58.7 45.8 68.6



#61
4-Nitroaniline
Concen: 41.455 ng
RT: 15.75 min Scan# 2121
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion: 138 Resp: 117772
Ion Ratio Lower Upper
138 100
92 63.8 40.1 80.1
108 111.7 65.4 105.4#





#62

Azobenzene

Concen: 45.803 ng

RT: 16.01 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

Tgt Ion: 77 Resp: 606217

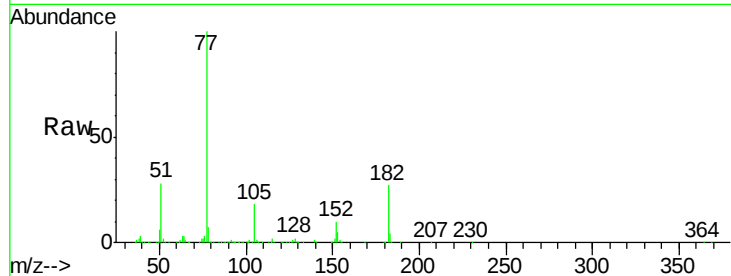
Ion Ratio Lower Upper

77 100

182 26.9 7.4 47.4

105 18.4 0.3 40.3

51 27.6 11.6 51.6

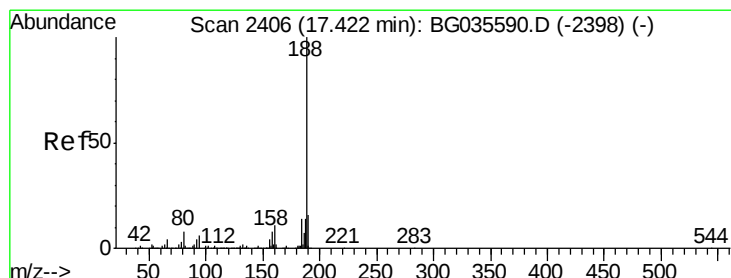
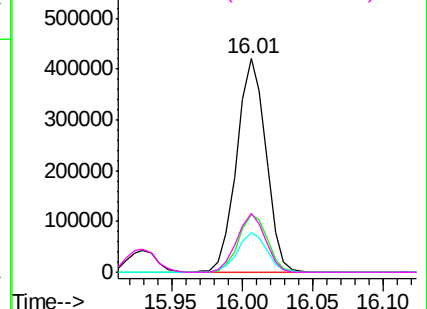
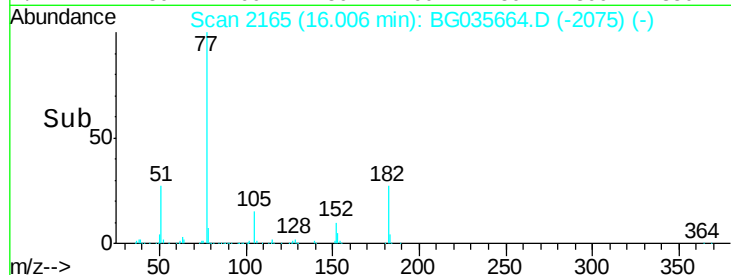


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2406

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

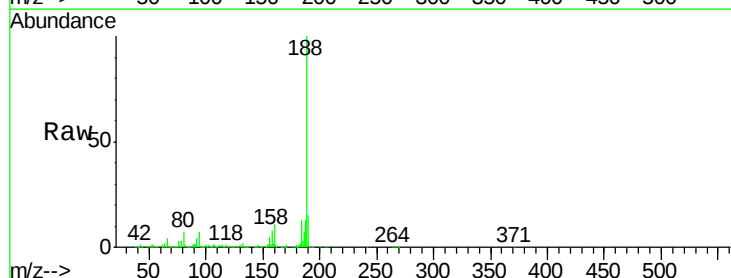
Tgt Ion: 188 Resp: 398694

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

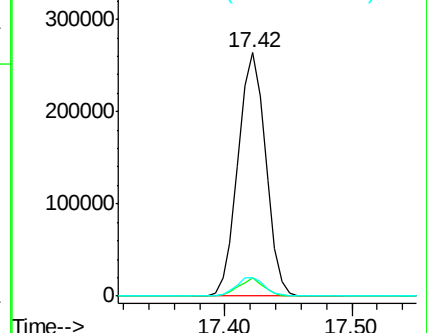
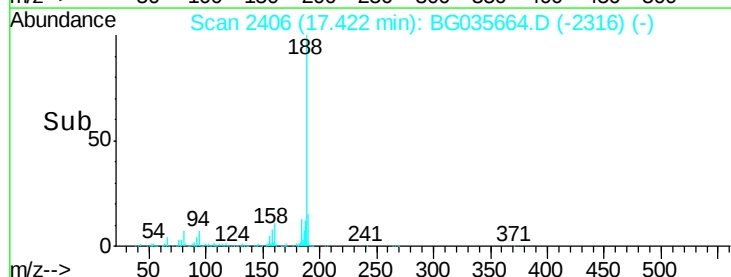
80 7.5 7.7 11.5#

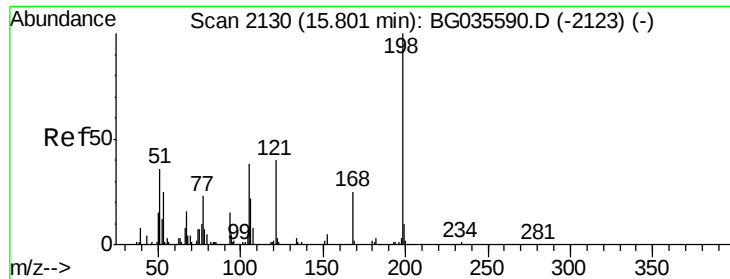


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

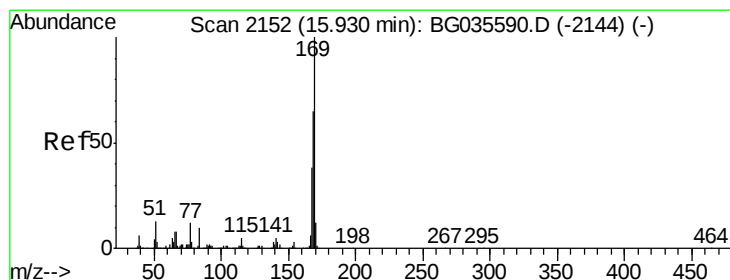
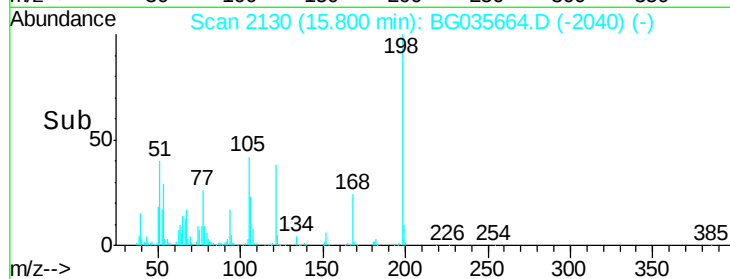
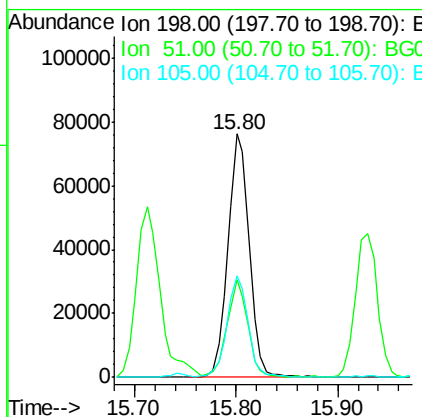
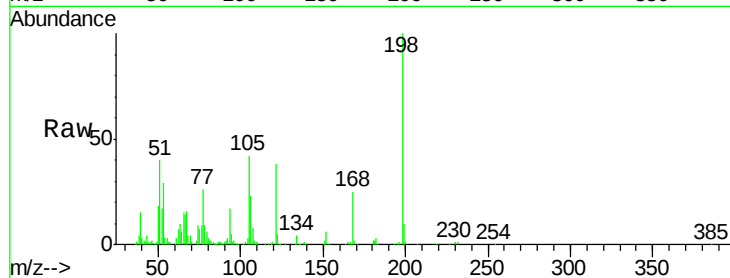




#64
 4,6-Dinitro-2-methylphenol
 Concen: 49.901 ng
 RT: 15.80 min Scan# 2130
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

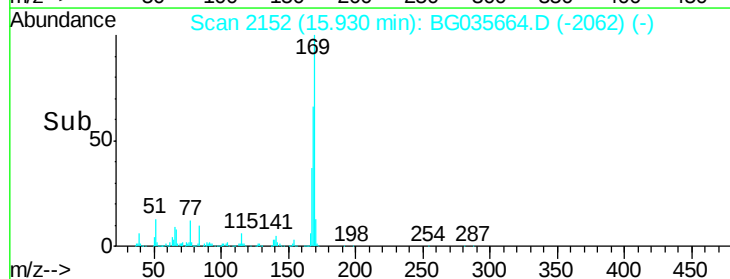
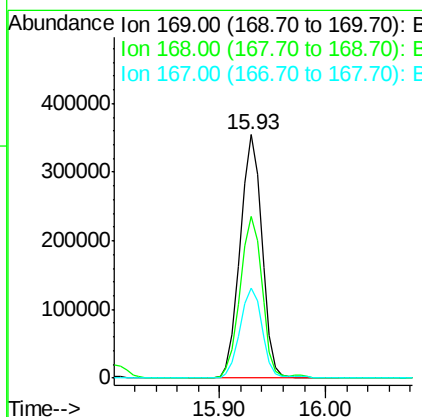
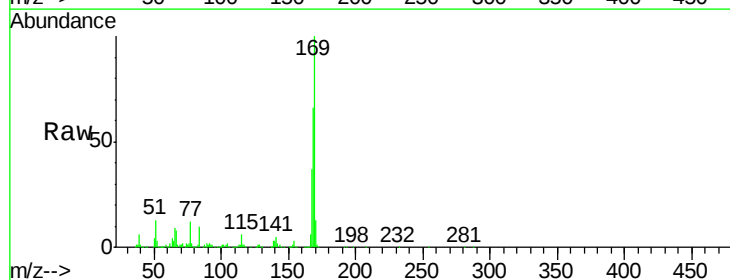
Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-1MS

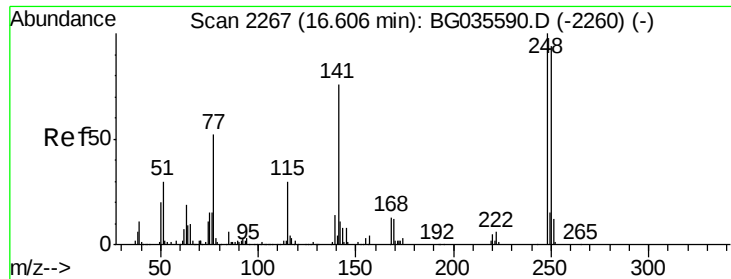
Tgt Ion:198 Resp: 110750
 Ion Ratio Lower Upper
 198 100
 51 40.1 30.6 70.6
 105 41.9 23.8 63.8



#65
 n-Nitrosodiphenylamine
 Concen: 44.396 ng
 RT: 15.93 min Scan# 2152
 Delta R.T. -0.00 min
 Lab File: BG035664.D
 Acq: 16 Jul 2018 11:25

Tgt Ion:169 Resp: 503822
 Ion Ratio Lower Upper
 169 100
 168 66.4 55.7 83.5
 167 36.8 30.1 45.1

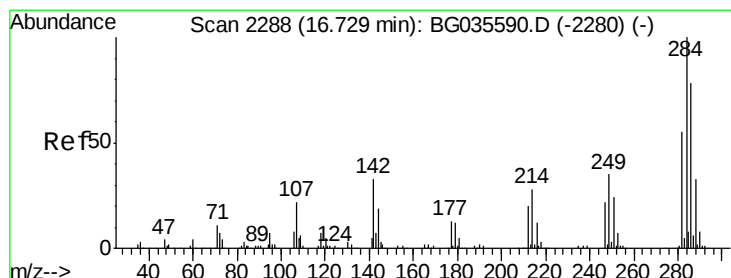
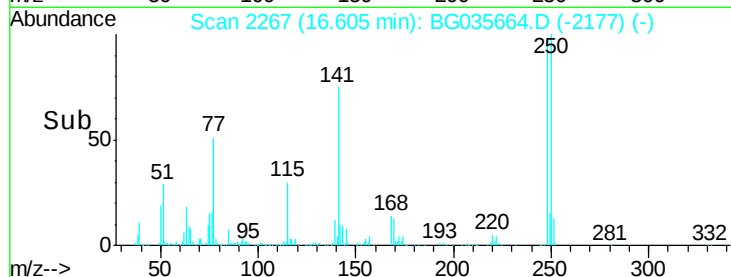
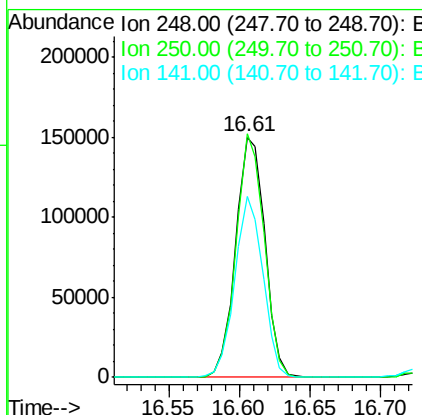
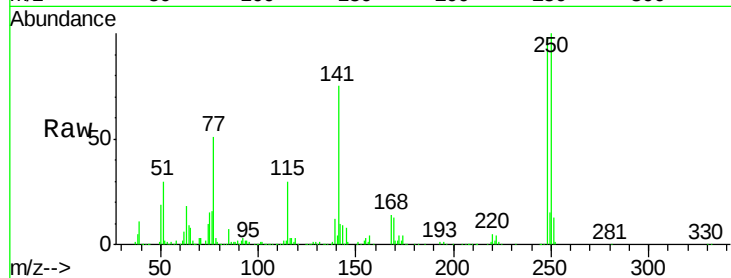




#66
4-Bromophenyl-phenylether
Concen: 46.807 ng
RT: 16.61 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

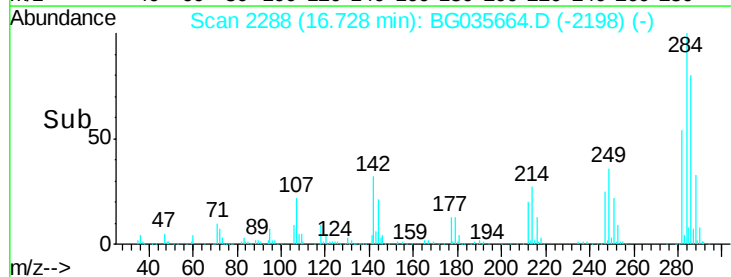
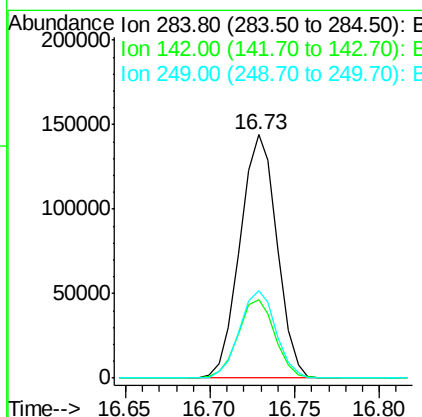
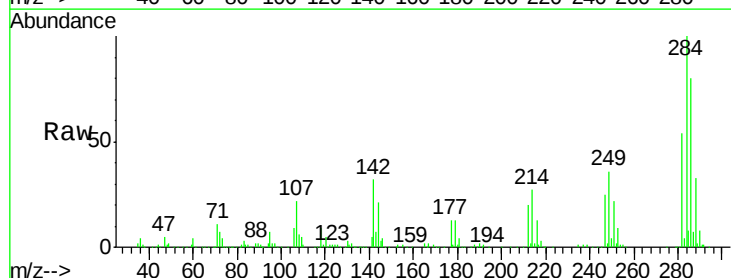
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

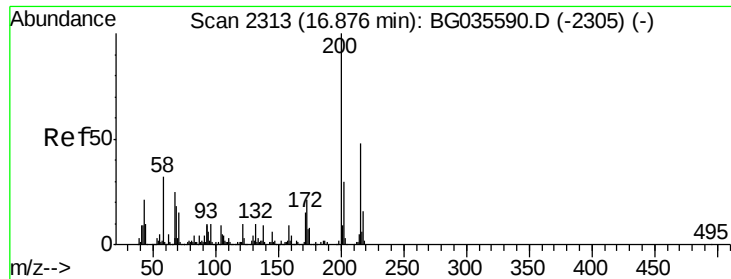
Tgt Ion:248 Resp: 216505
Ion Ratio Lower Upper
248 100
250 101.5 77.1 115.7
141 75.7 50.8 76.2



#67
Hexachlorobenzene
Concen: 46.040 ng
RT: 16.73 min Scan# 2288
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion:284 Resp: 219310
Ion Ratio Lower Upper
284 100
142 32.3 26.8 40.2
249 36.0 26.3 39.5

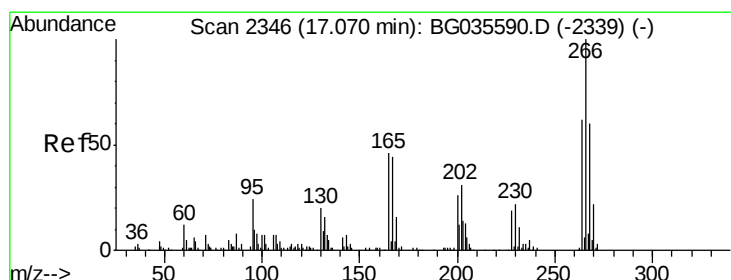
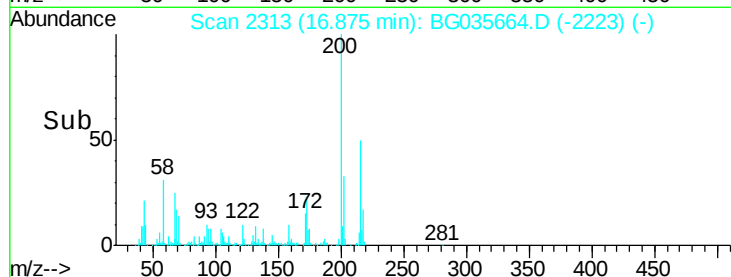
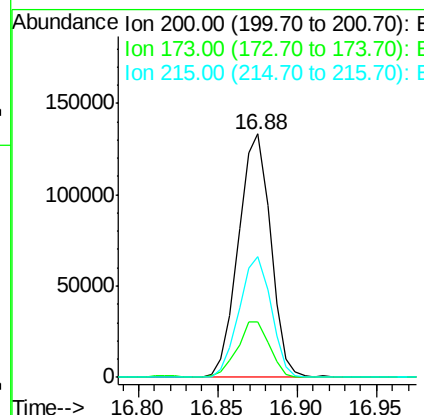
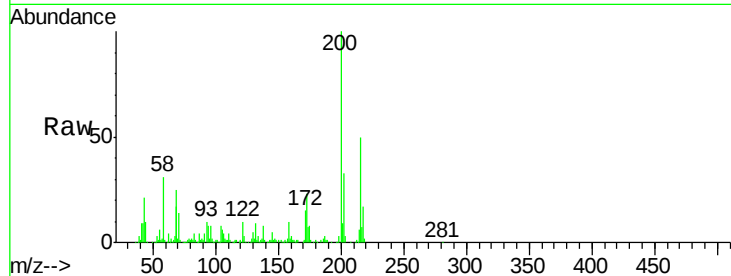




#68
Atrazine
Concen: 40.266 ng
RT: 16.88 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

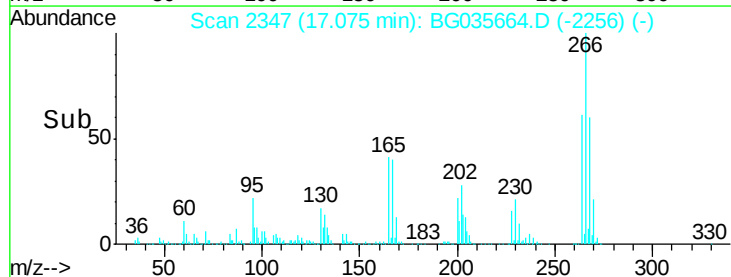
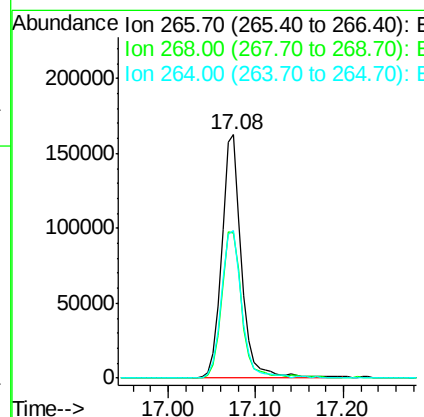
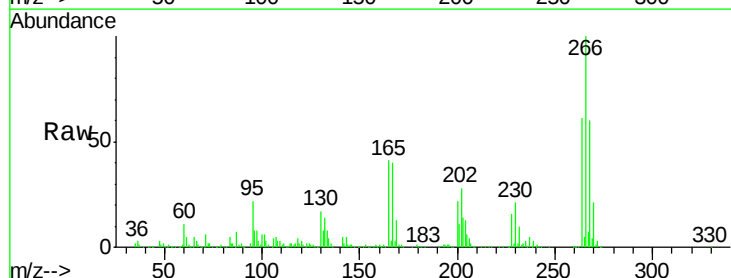
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

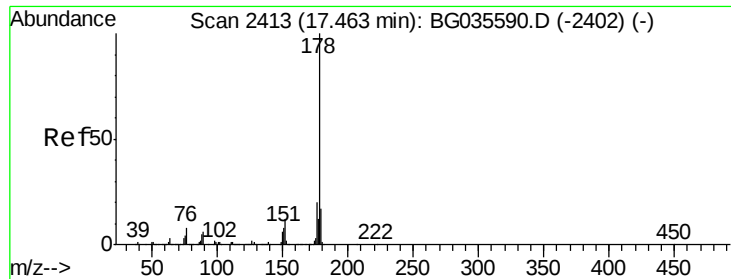
Tgt Ion	Ratio	Lower	Upper
200	100		
173	22.6	5.2	45.2
215	49.5	30.4	70.4



#69
Pentachlorophenol
Concen: 87.695 ng
RT: 17.08 min Scan# 2347
Delta R.T. 0.01 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion	Ratio	Lower	Upper
266	100		
268	59.5	51.1	76.7
264	60.7	49.6	74.4





#70

Phenanthrene

Concen: 45.022 ng

RT: 17.46 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

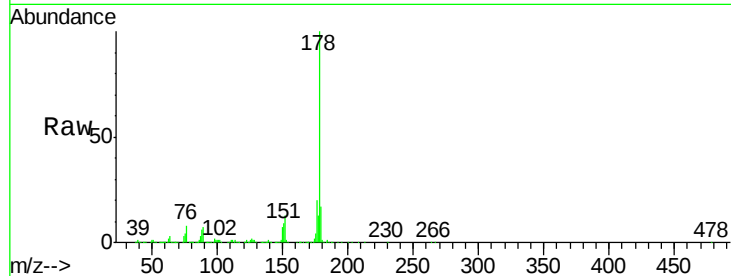
Tgt Ion:178 Resp: 895670

Ion Ratio Lower Upper

178 100

176 19.9 15.7 23.5

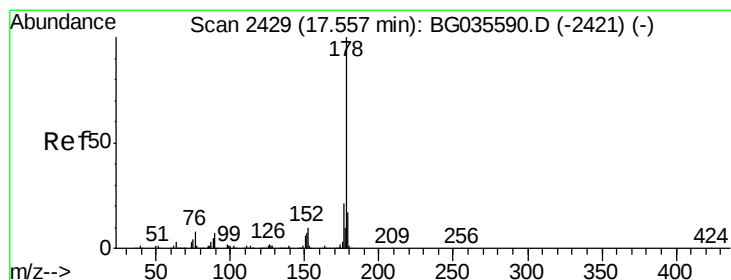
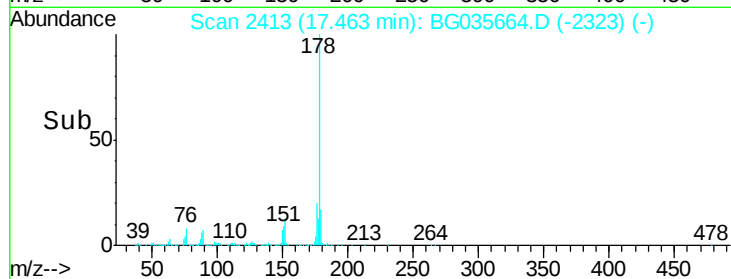
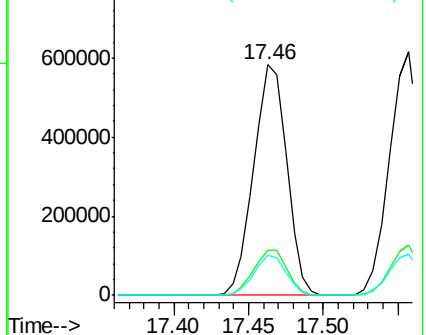
179 17.3 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 46.546 ng

RT: 17.56 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

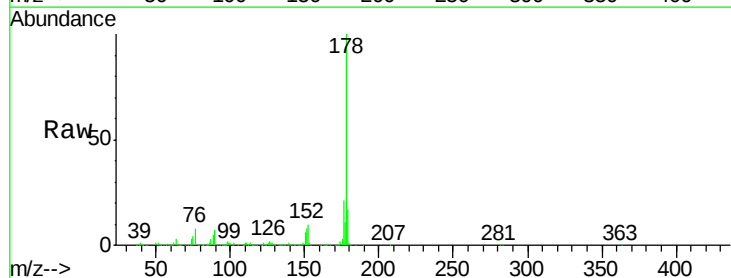
Tgt Ion:178 Resp: 922032

Ion Ratio Lower Upper

178 100

176 20.5 16.0 24.0

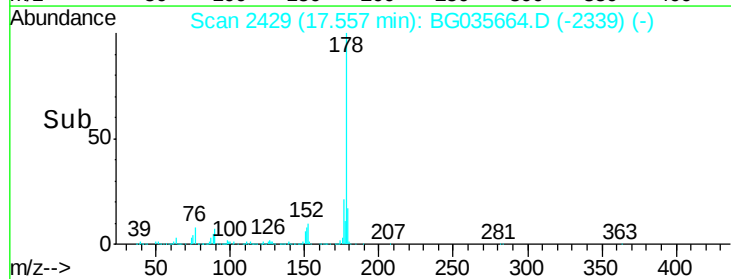
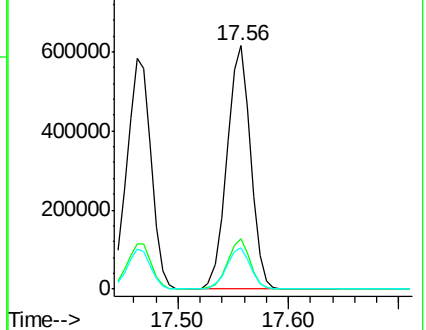
179 17.1 12.5 18.7

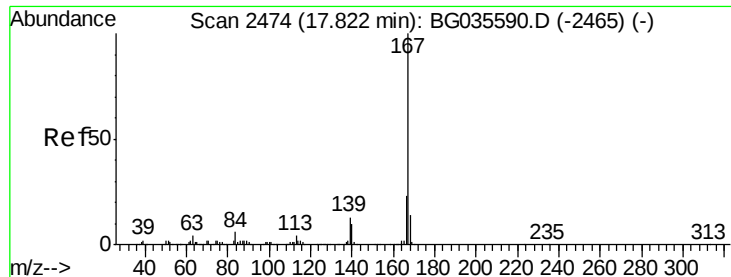


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 44.056 ng

RT: 17.82 min Scan# 2474

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

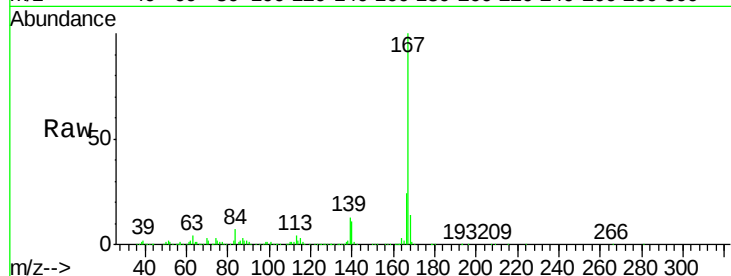
Tgt Ion:167 Resp: 828796

Ion Ratio Lower Upper

167 100

166 23.6 18.2 27.4

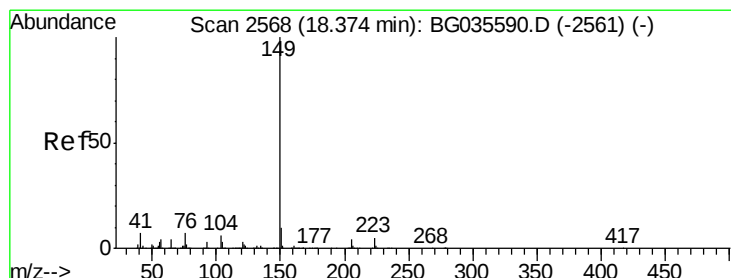
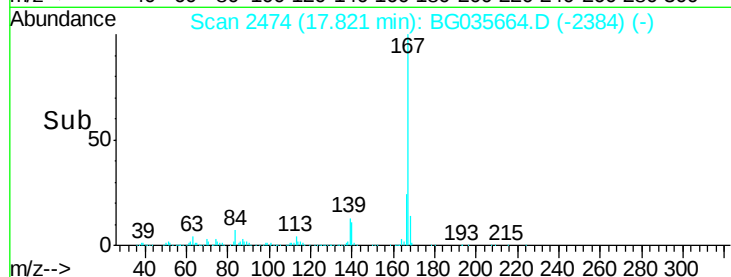
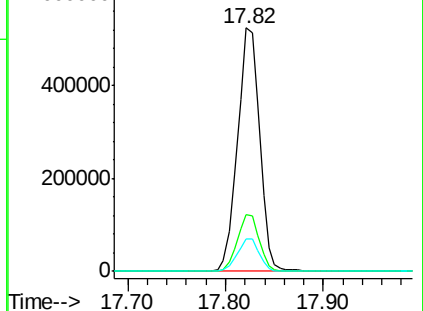
139 13.4 9.4 14.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 43.203 ng

RT: 18.37 min Scan# 2568

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

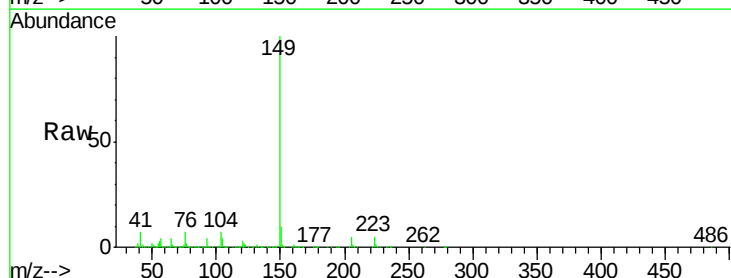
Tgt Ion:149 Resp: 960448

Ion Ratio Lower Upper

149 100

150 9.7 7.8 11.6

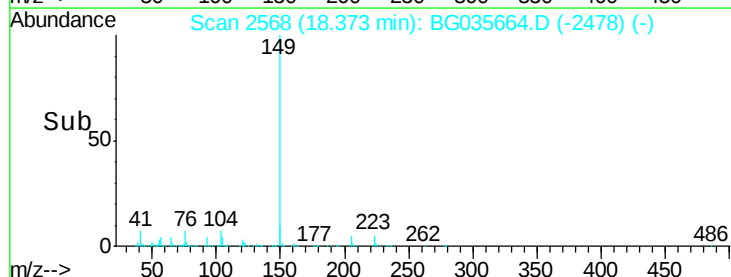
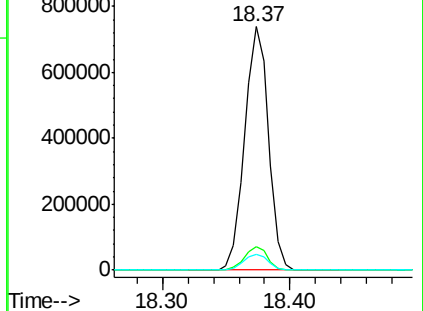
104 6.5 3.9 5.9#

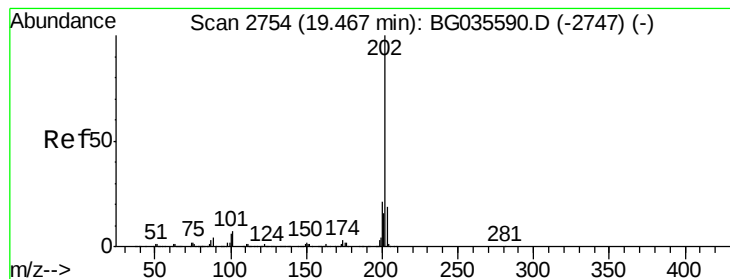


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 42.946 ng

RT: 19.47 min Scan# 2755

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

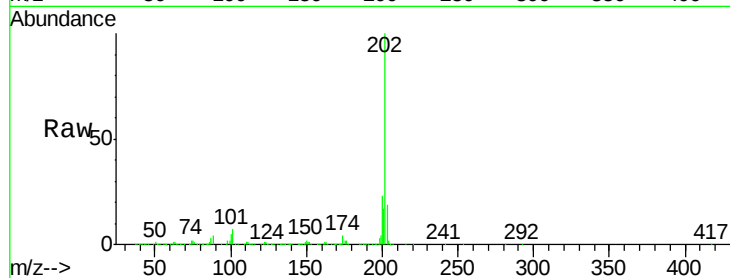
Tgt Ion:202 Resp: 1150818

Ion Ratio Lower Upper

202 100

101 7.0 0.0 28.9

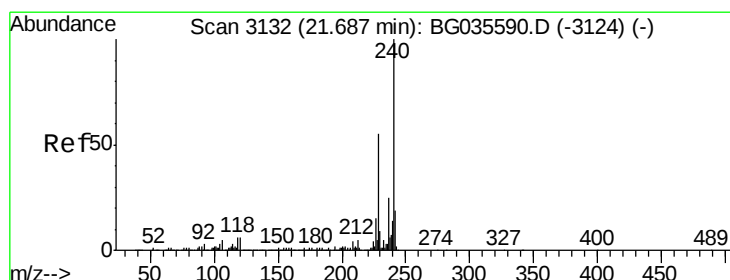
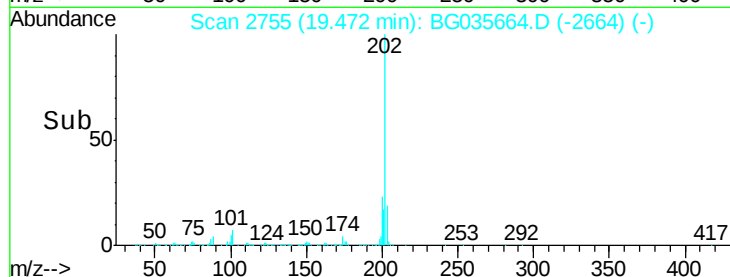
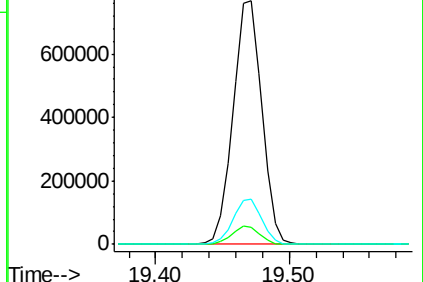
203 18.7 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

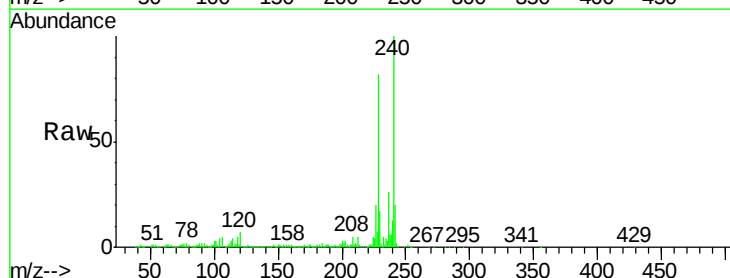
Tgt Ion:240 Resp: 415664

Ion Ratio Lower Upper

240 100

120 6.6 6.8 10.2#

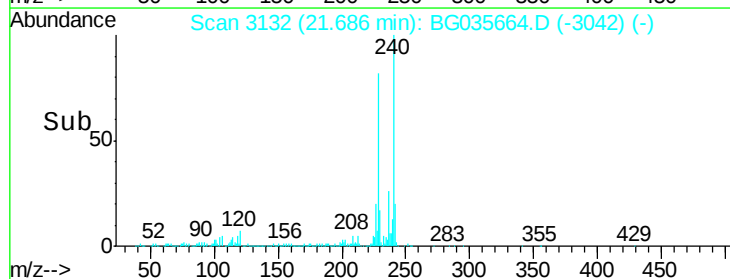
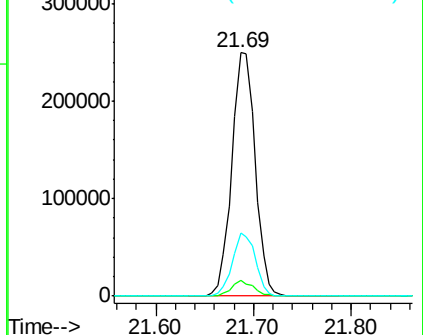
236 26.0 20.9 31.3

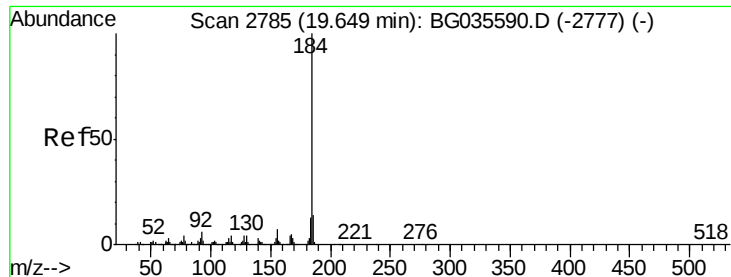


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 4.473 ng

RT: 19.68 min Scan# 2790

Delta R.T. 0.03 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

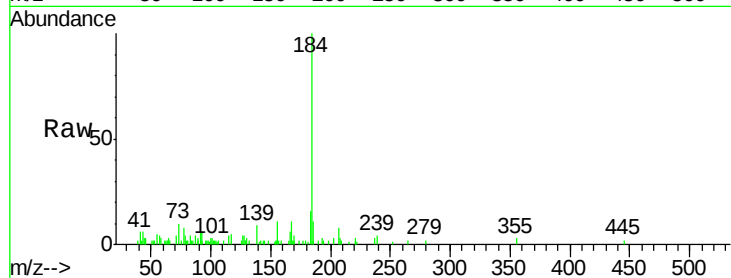
Tgt Ion:184 Resp: 48884

Ion Ratio Lower Upper

184 100

185 11.1 11.1 16.7

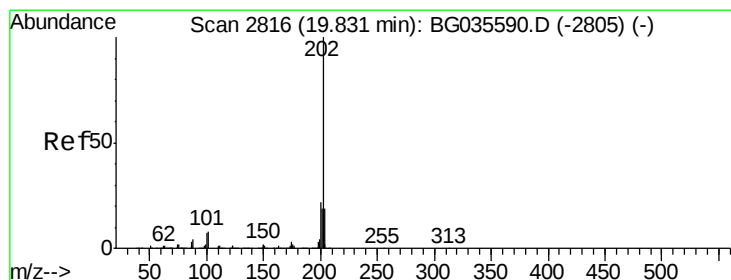
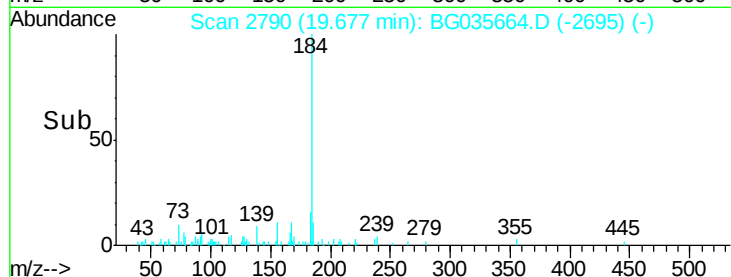
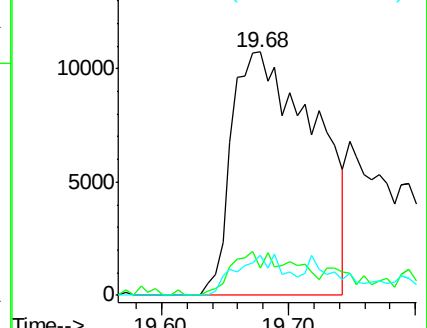
183 16.4 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 44.106 ng

RT: 19.83 min Scan# 2816

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

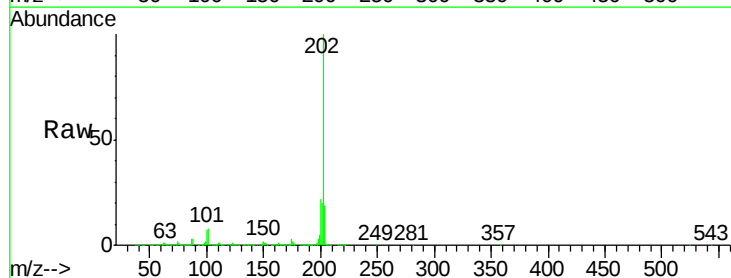
Tgt Ion:202 Resp: 1159243

Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

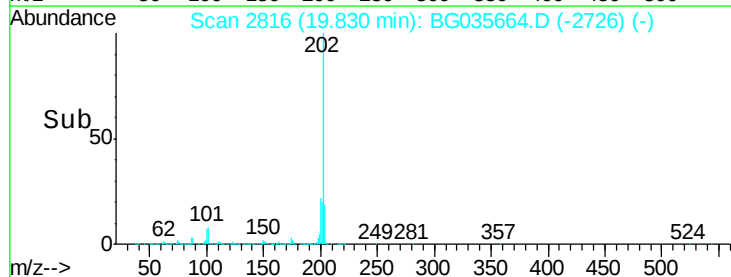
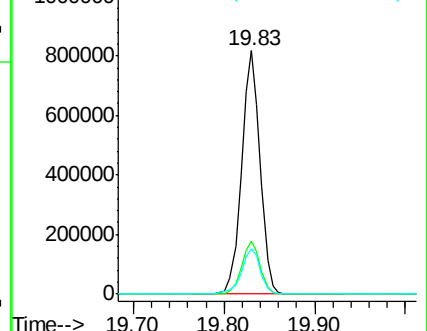
203 18.6 13.9 20.9

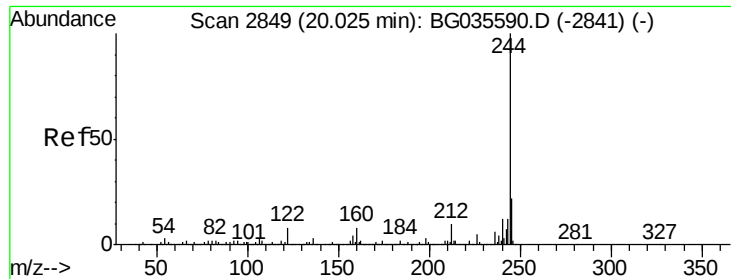


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 95.928 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

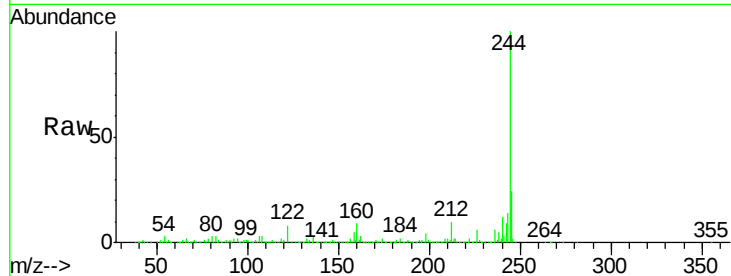
Tgt Ion:244 Resp: 1808918

Ion Ratio Lower Upper

244 100

212 10.5 5.8 8.8#

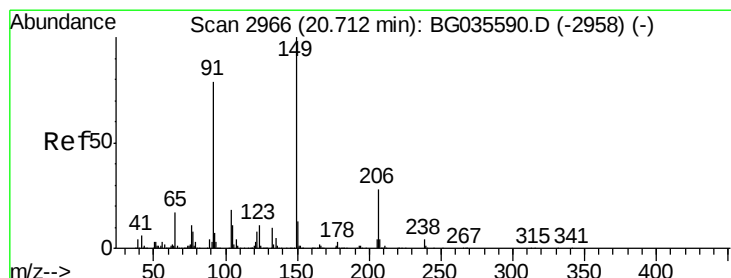
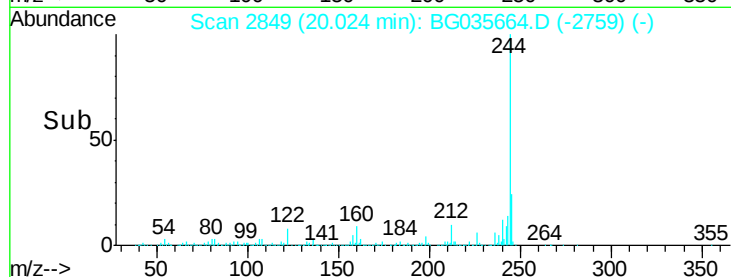
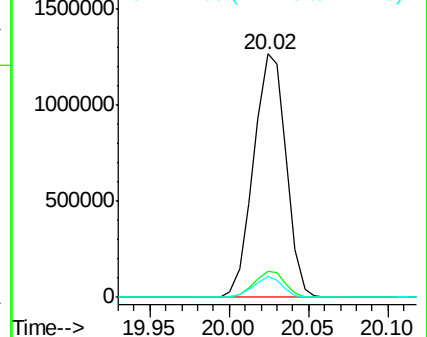
122 8.4 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 46.035 ng

RT: 20.71 min Scan# 2966

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

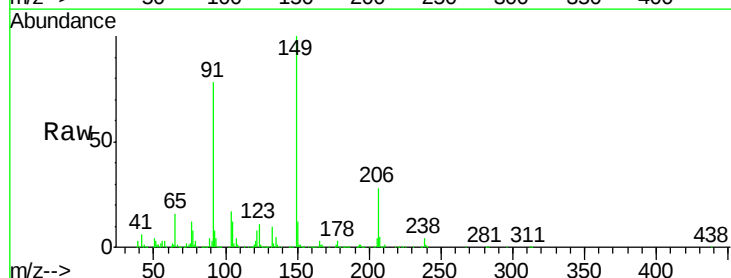
Tgt Ion:149 Resp: 432676

Ion Ratio Lower Upper

149 100

91 77.5 62.2 93.2

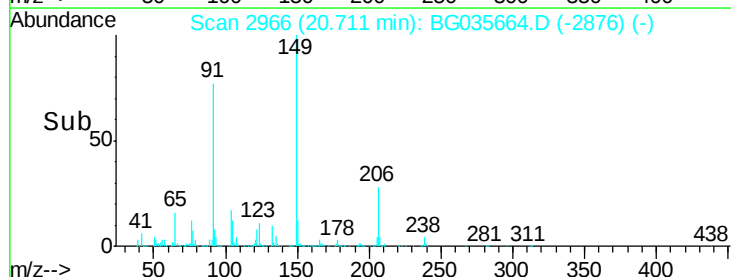
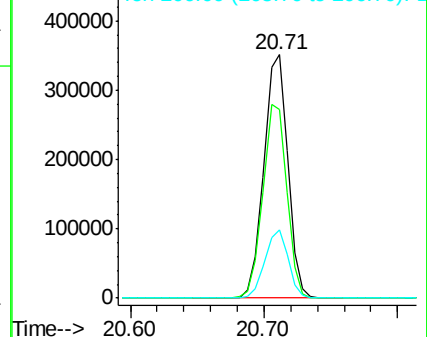
206 27.8 18.6 27.8#

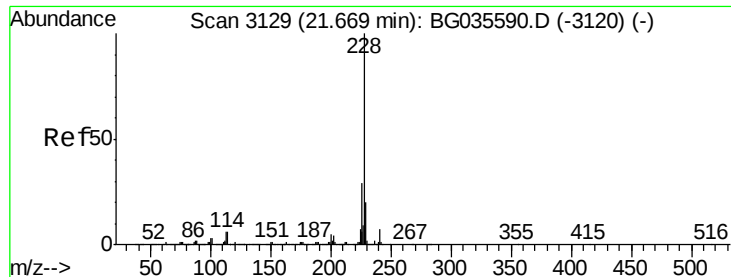


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BGC

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 45.106 ng

RT: 21.67 min Scan# 3129

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

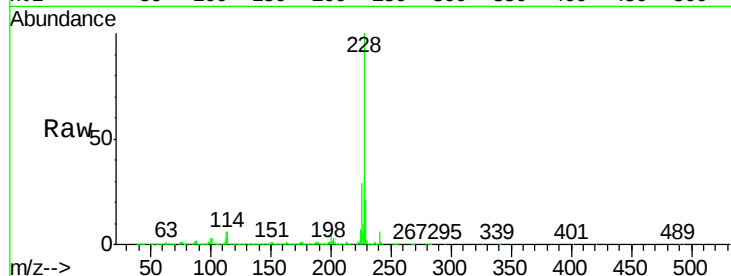
BNA_G

ClientSampleId :

LS-SOIL-1MS

Tgt Ion:228 Resp: 1168382

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.7	34.1
229	20.9	16.2	24.2

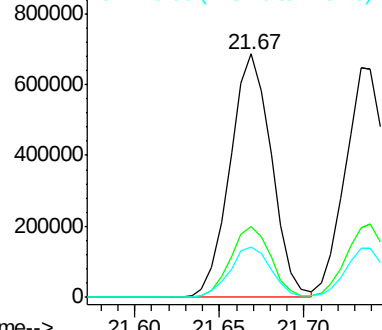


Abundance

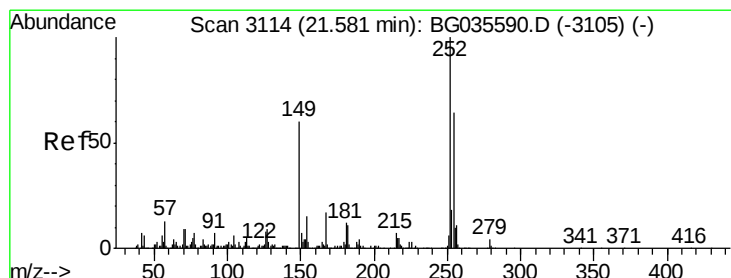
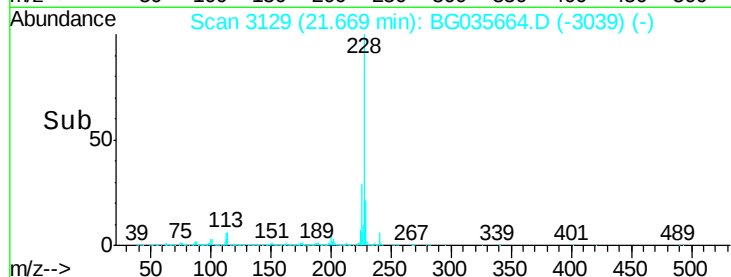
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#81

3,3'-Dichlorobenzidine

Concen: 14.758 ng

RT: 21.58 min Scan# 3114

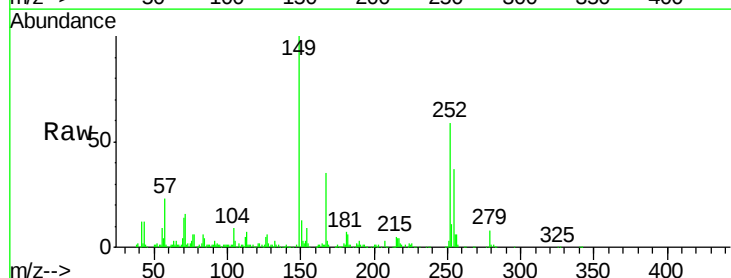
Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Tgt Ion:252 Resp: 133288

Ion	Ratio	Lower	Upper
252	100		
254	62.1	50.8	76.2
126	8.1	7.4	11.2

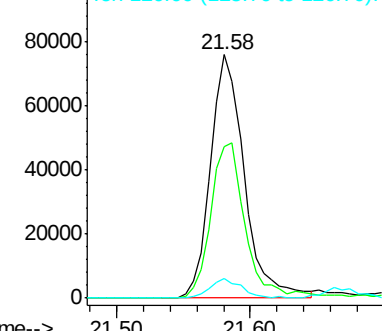


Abundance

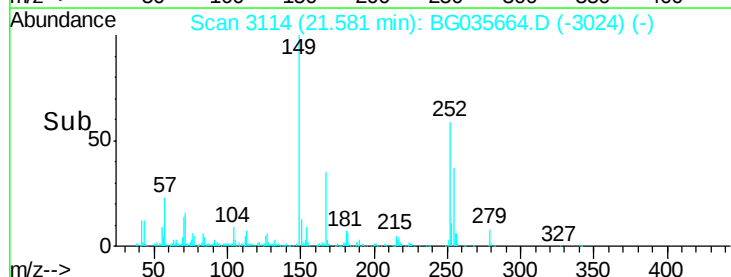
Ion 252.00 (251.70 to 252.70): E

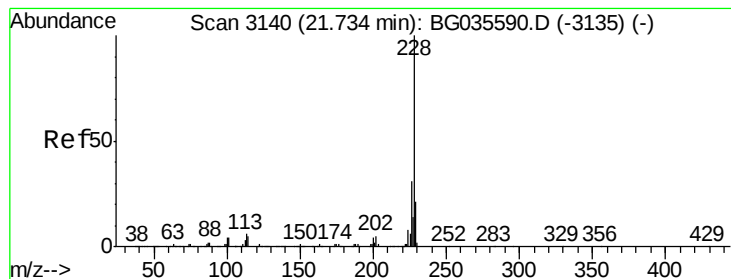
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



Time-->





#82

Chrysene

Concen: 44.791 ng

RT: 21.73 min Scan# 3140

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

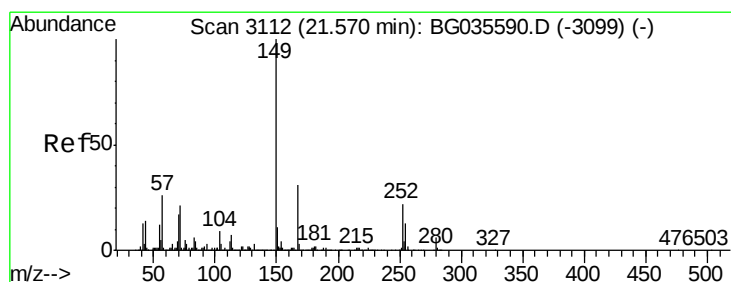
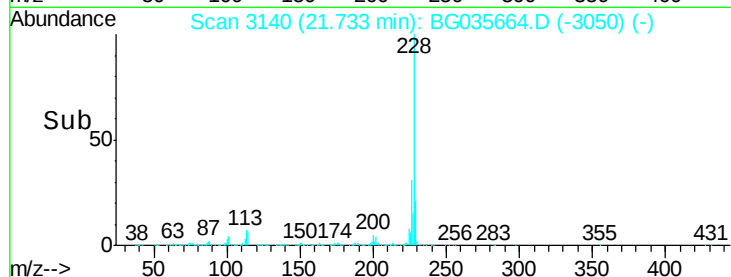
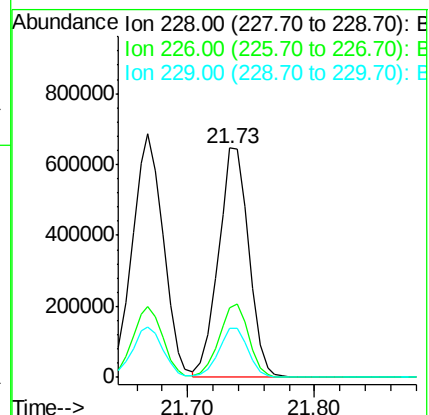
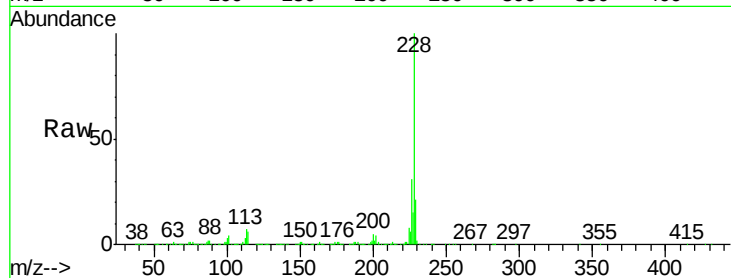
Tgt Ion:228 Resp: 1075156

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

229 21.5 15.0 22.4



#83

Bis(2-ethylhexyl)phthalate

Concen: 46.269 ng

RT: 21.57 min Scan# 3112

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

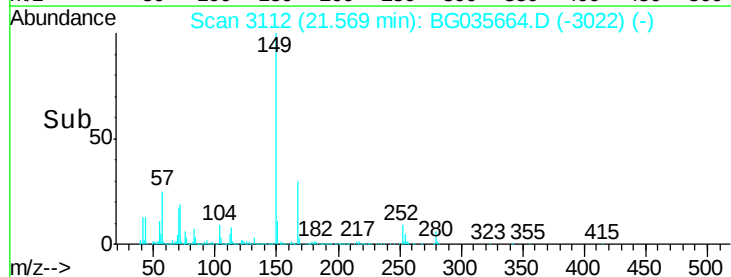
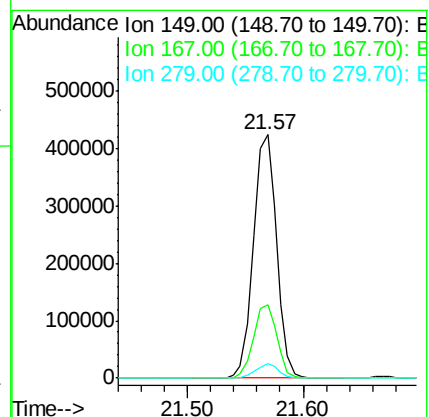
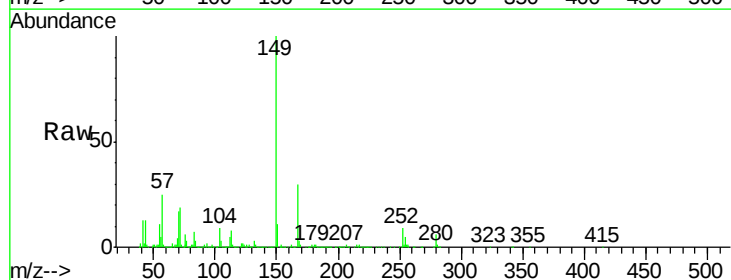
Tgt Ion:149 Resp: 591222

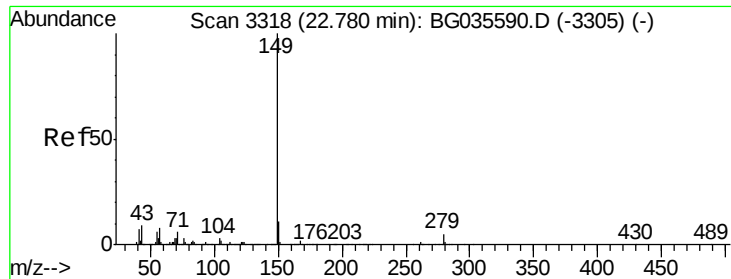
Ion Ratio Lower Upper

149 100

167 30.3 24.3 36.5

279 6.2 4.0 6.0#





#84

Di-n-octyl phthalate

Concen: 46.948 ng

RT: 22.78 min Scan# 3318

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

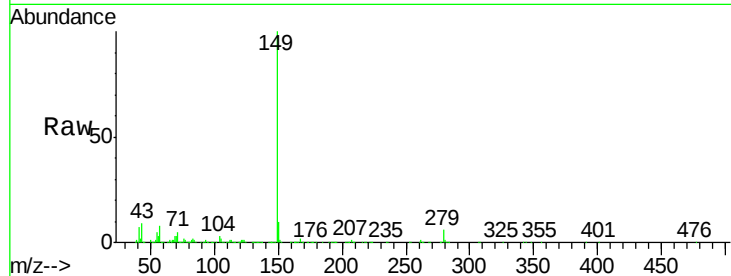
Tgt Ion:149 Resp: 1004432

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

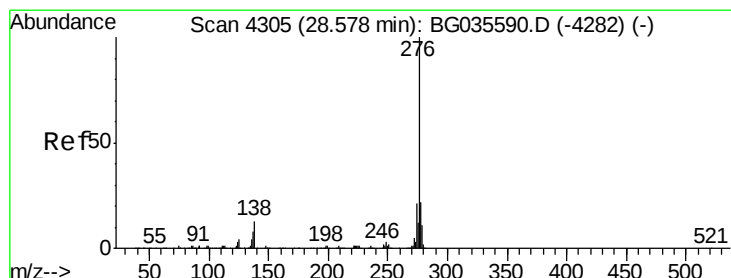
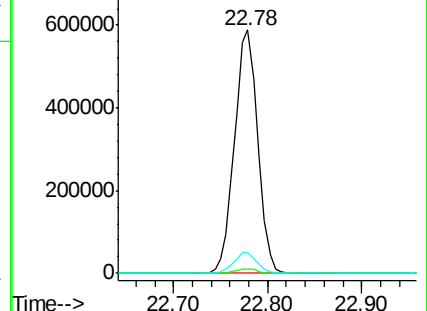
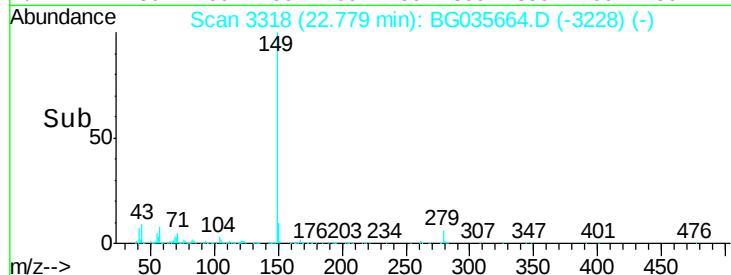
43 8.6 8.9 13.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#85

Indeno(1,2,3-cd)pyrene

Concen: 47.533 ng

RT: 28.59 min Scan# 4308

Delta R.T. 0.02 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

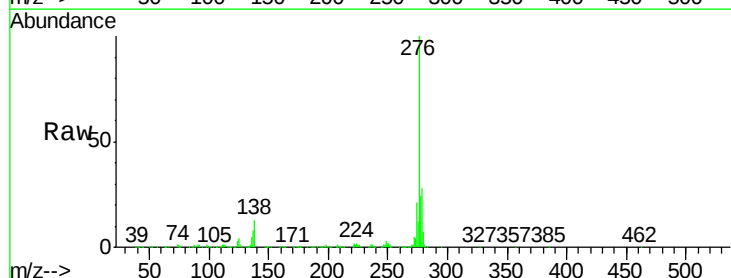
Tgt Ion:276 Resp: 1263206

Ion Ratio Lower Upper

276 100

138 15.0 16.0 24.0#

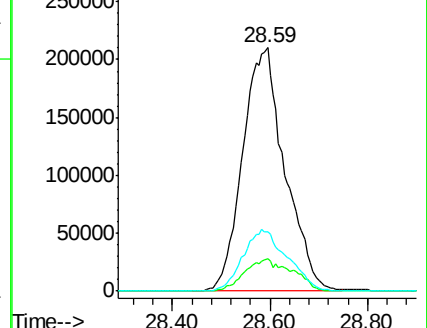
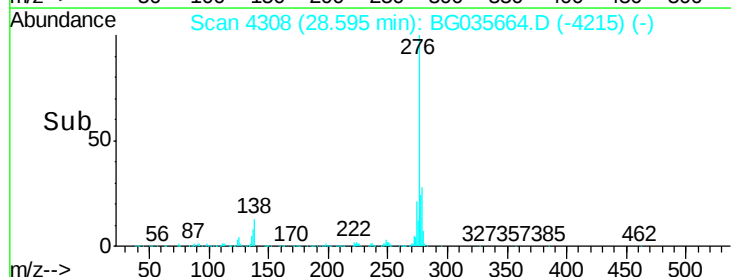
277 26.6 20.0 30.0

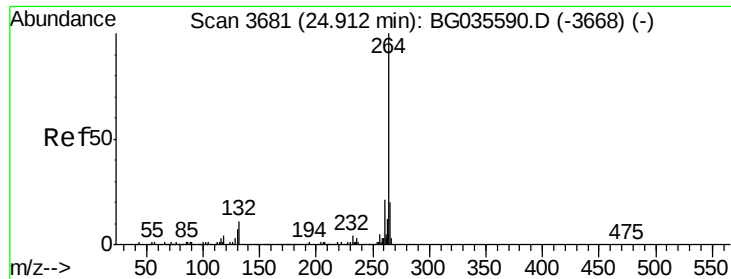


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

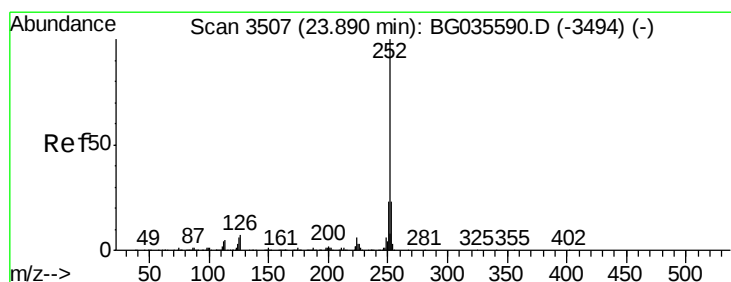
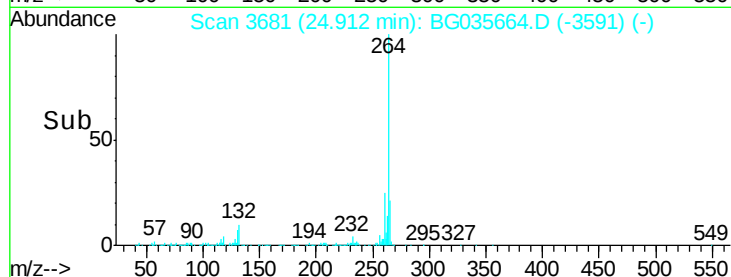
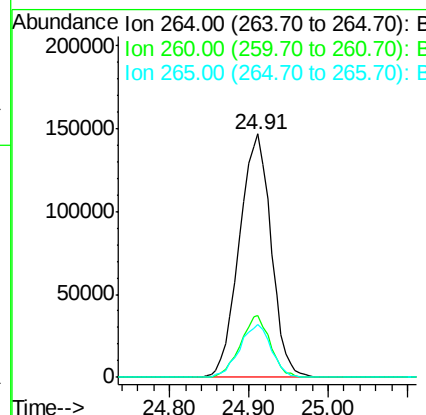
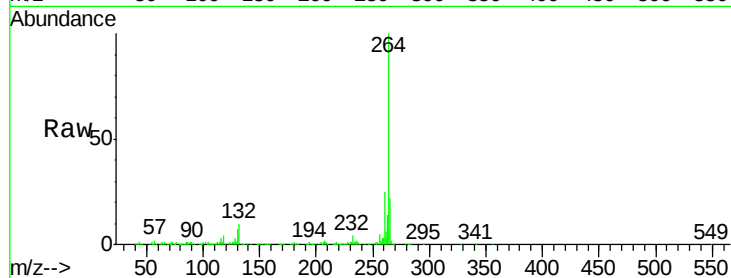




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3681
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

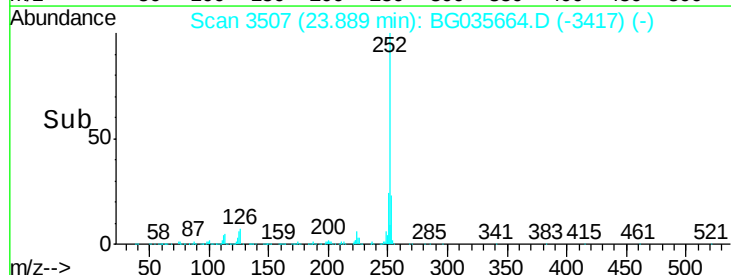
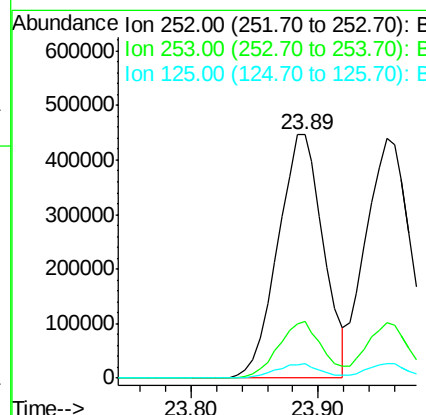
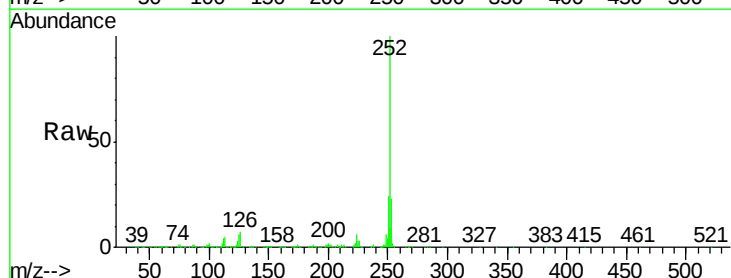
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-1MS

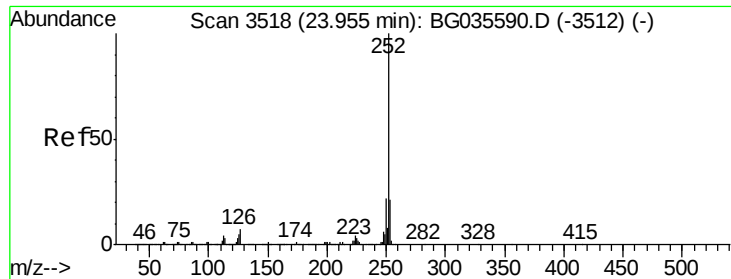
Tgt Ion:264 Resp: 408938
Ion Ratio Lower Upper
264 100
260 25.4 17.4 26.0
265 21.5 17.7 26.5



#87
Benzo(b)fluoranthene
Concen: 44.732 ng
RT: 23.89 min Scan# 3507
Delta R.T. -0.00 min
Lab File: BG035664.D
Acq: 16 Jul 2018 11:25

Tgt Ion:252 Resp: 1111812
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.4
125 6.0 7.2 10.8#





#88

Benzo(k)fluoranthene

Concen: 44.028 ng

RT: 23.95 min Scan# 3518

Delta R.T. -0.00 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

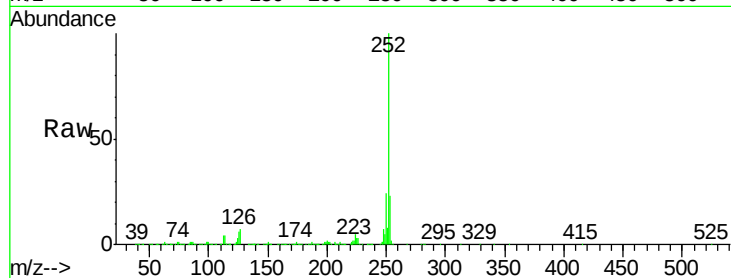
Tgt Ion:252 Resp: 1069850

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

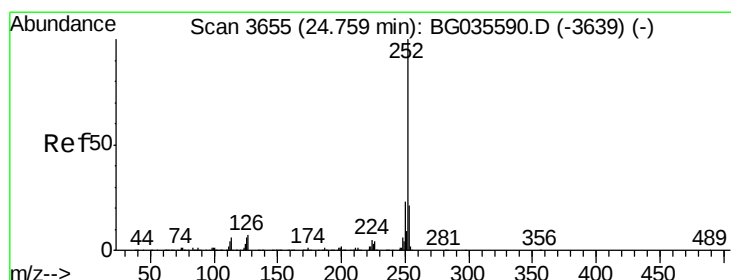
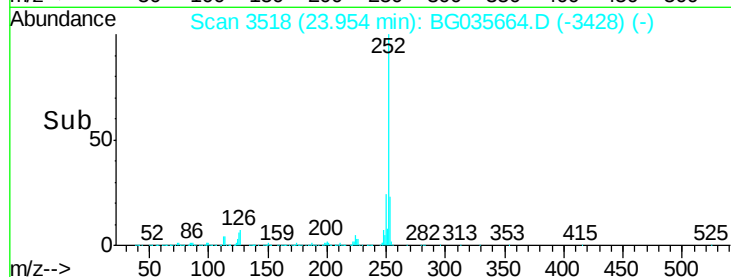
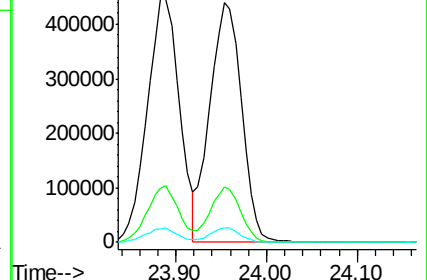
125 6.2 6.6 9.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 46.441 ng

RT: 24.76 min Scan# 3656

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

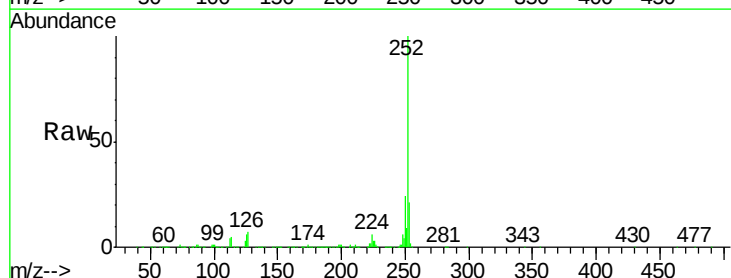
Tgt Ion:252 Resp: 1073872

Ion Ratio Lower Upper

252 100

253 21.0 18.3 27.5

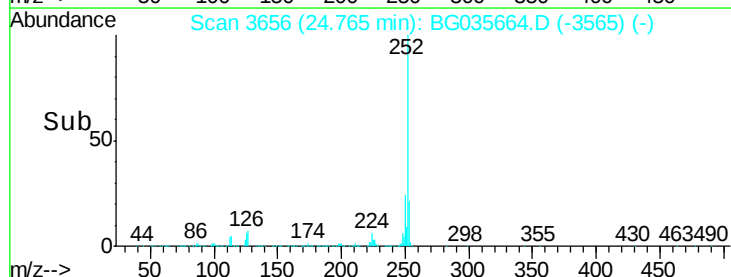
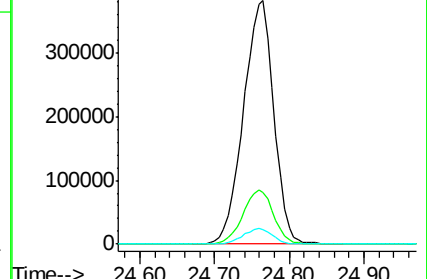
125 5.8 7.3 10.9#

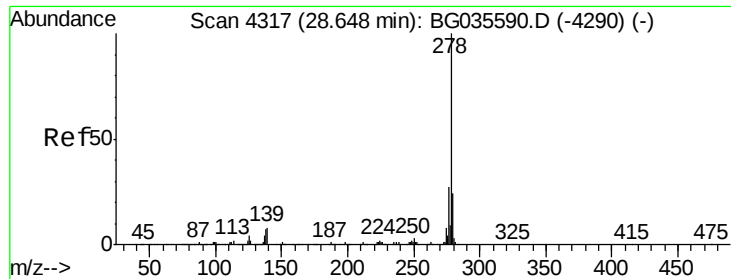


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 46.107 ng

RT: 28.64 min Scan# 4316

Delta R.T. -0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-1MS

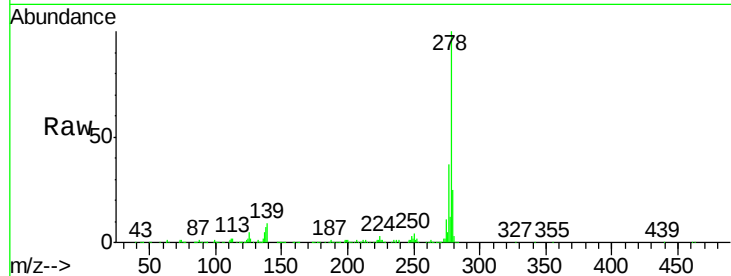
Tgt Ion:278 Resp: 1046691

Ion Ratio Lower Upper

278 100

139 8.9 9.8 14.6#

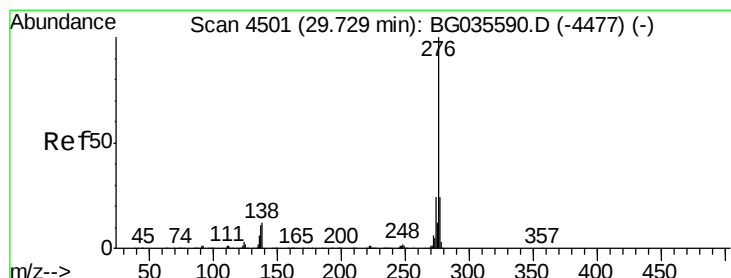
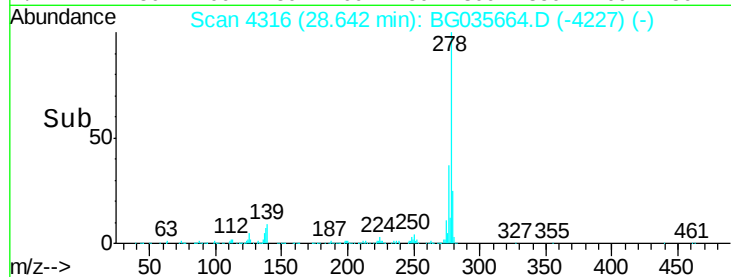
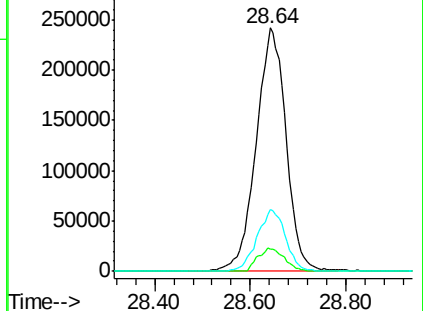
279 25.3 18.4 27.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 46.601 ng

RT: 29.73 min Scan# 4502

Delta R.T. 0.01 min

Lab File: BG035664.D

Acq: 16 Jul 2018 11:25

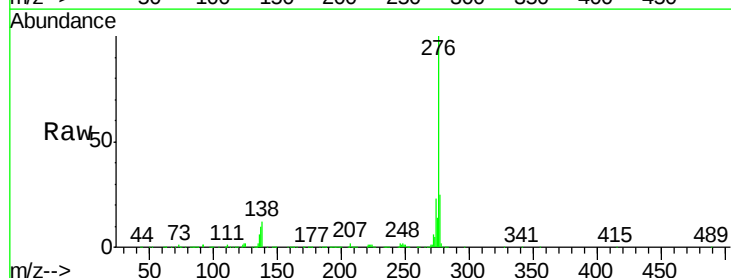
Tgt Ion:276 Resp: 1035193

Ion Ratio Lower Upper

276 100

277 25.3 18.3 27.5

138 12.1 13.9 20.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

