

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071918\
 Data File : BG035777.D
 Acq On : 20 Jul 2018 9:46
 Operator : JU/SJ
 Sample : J4057-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-4

Quant Time: Jul 20 12:00:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 17:45:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	46961	20.00	ng	-0.01
21) Naphthalene-d8	10.84	136	162701	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	109567	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	296736	20.00	ng	0.00
75) Chrysene-d12	21.66	240	342935	20.00	ng	-0.02
86) Perylene-d12	24.86	264	330026	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	369642	130.68	ng	0.00
7) Phenol-d6	7.20	99	462160	109.51	ng	0.00
23) Nitrobenzene-d5	9.19	82	376305	96.62	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	229225	158.73	ng	-0.01
44) 2-Fluorobiphenyl	13.27	172	825849	100.98	ng	-0.01
78) Terphenyl-d14	20.01	244	1588447	102.10	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.53	88	573	0.398	ng	# 1
3) Pyridine	3.89	79	59	0.016	ng	# 1
4) n-Nitrosodimethylamine	3.85	42	218	0.135	ng	# 1
6) Aniline	7.38	93	60	0.011	ng	# 41
8) 2-Chlorophenol	7.56	128	259	0.090	ng	# 1
9) Benzaldehyde	7.20	77	894	0.345	ng	# 5
10) Phenol	7.20	94	151	0.035	ng	# 1
11) bis(2-Chloroethyl)ether	7.38	93	60	0.018	ng	# 16
12) 1,3-Dichlorobenzene	7.90	146	55	0.016	ng	# 26
13) 1,4-Dichlorobenzene	7.90	146	55	0.016	ng	# 23
14) 1,2-Dichlorobenzene	8.36	146	250	0.074	ng	# 1
15) Benzyl Alcohol	8.35	79	6756	1.763	ng	# 36
16) 2,2'-oxybis(1-Chloropropan	8.54	45	287	0.103	ng	# 75
17) 2-Methylphenol	8.53	107	83	0.029	ng	# 13
20) 3+4-Methylphenols	8.53	107	83	0.021	ng	# 24
22) Acetophenone	8.84	105	62	0.012	ng	# 50
24) Nitrobenzene	9.23	77	59	0.015	ng	# 42
25) Isophorone	9.77	82	321	0.044	ng	# 69
26) 2-Nitrophenol	9.93	139	54	0.039	ng	# 29
27) 2,4-Dimethylphenol	9.86	122	56	0.024	ng	# 1
29) 2,4-Dichlorophenol	10.16	162	59	0.022	ng	# 23
30) 1,2,4-Trichlorobenzene	11.17	180	54	0.016	ng	# 12
31) Naphthalene	10.88	128	3688	0.435	ng	# 97
32) Benzoic acid	9.86	122	56	0.035	ng	# 1
33) 4-Chloroaniline	10.88	127	152	0.041	ng	# 36
35) Caprolactam	11.36	113	63	0.055	ng	# 1
36) 4-Chloro-3-methylphenol	12.13	107	60	0.017	ng	# 22
37) 2-Methylnaphthalene	12.50	142	478	0.076	ng	# 70
39) 1,2,4,5-Tetrachlorobenzene	13.21	216	61	0.015	ng	# 25
40) Hexachlorocyclopentadiene	13.23	237	55	0.025	ng	# 22
45) 1,1'-Biphenyl	13.50	154	1118	0.132	ng	# 70
46) 2-Chloronaphthalene	13.27	162	71	0.011	ng	# 1
47) 2-Nitroaniline	14.11	65	61	0.026	ng	# 9
48) Acenaphthylene	14.72	152	137	0.012	ng	# 1

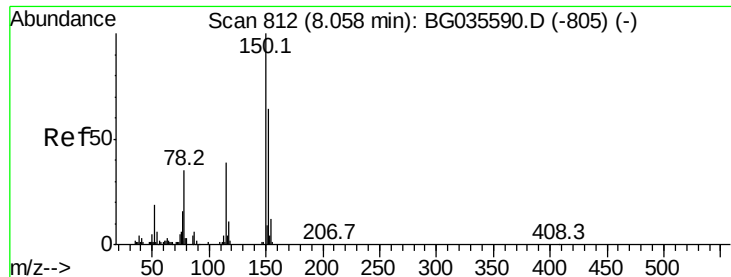
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071918\
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Quant Time: Jul 20 12:00:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 17:45:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Acenaphthene	14.71	154	146	0.021	nq	# 19
52) 3-Nitroaniline	14.78	138	55	0.028	nq	# 1
54) Dibenzofuran	15.09	168	58	0.005	nq	# 46
55) 4-Nitrophenol	14.67	139	68	0.048	nq	# 47
57) Fluorene	16.14	166	8286	0.902	nq	# 78
58) 2,3,4,6-Tetrachlorophenol	14.78	232	64	0.025	nq	# 40
59) Diethylphthalate	15.48	149	1423	0.144	nq	# 58
60) 4-Chlorophenyl-phenylether	16.10	204	56	0.010	nq	# 30
61) 4-Nitroaniline	15.72	138	90	0.043	nq	# 12
62) Azobenzene	16.13	77	702	0.072	nq	# 64
64) 4,6-Dinitro-2-methylphenol	16.14	198	755	0.457	nq	# 52
65) n-Nitrosodiphenylamine	16.14	169	9614	1.138	nq	# 43
67) Hexachlorobenzene	17.00	284	58	0.016	nq	# 41
68) Atrazine	16.38	200	70	0.020	nq	# 35
69) Pentachlorophenol	17.24	266	71	0.033	nq	# 19
70) Phenanthrene	17.43	178	517	0.035	nq	# 62
71) Anthracene	17.43	178	517	0.035	nq	# 62
72) Carbazole	17.87	167	120	0.009	nq	# 59
73) Di-n-butylphthalate	18.37	149	870	0.053	nq	# 78
74) Fluoranthene	19.47	202	560	0.028	nq	# 65
77) Pyrene	19.82	202	952	0.044	nq	# 75
79) Butylbenzylphthalate	20.69	149	199	0.026	nq	# 20
80) Benzo(a)anthracene	21.67	228	1290	0.060	nq	# 60
81) 3,3'-Dichlorobenzidine	21.52	252	105	0.014	nq	# 26
82) Chrysene	21.72	228	535	0.027	nq	# 49
83) Bis(2-ethylhexyl)phthalate	21.53	149	562	0.053	nq	# 50
84) Di-n-octyl phthalate	22.74	149	592	0.034	nq	# 1
85) Indeno(1,2,3-cd)pyrene	28.52	276	55	0.003	nq	# 53
87) Benzo(b)fluoranthene	23.86	252	357	0.018	nq	# 2
88) Benzo(k)fluoranthene	23.89	252	176	0.009	nq	# 60
89) Benzo(a)pyrene	24.72	252	616	0.033	nq	# 36
90) Dibenzo(a,h)anthracene	28.51	278	55	0.003	nq	# 58
91) Benzo(a,h,i)perylene	29.43	276	72	0.004	nq	# 56

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.03 min Scan# 807

Delta R.T. -0.01 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampled :

LS-SOIL-4

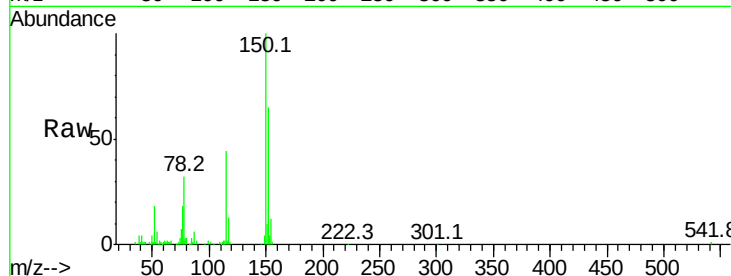
Tot Ion:152 Resp: 46961

Ion Ratio Lower Upper

152 100

150 153.6 126.6 189.8

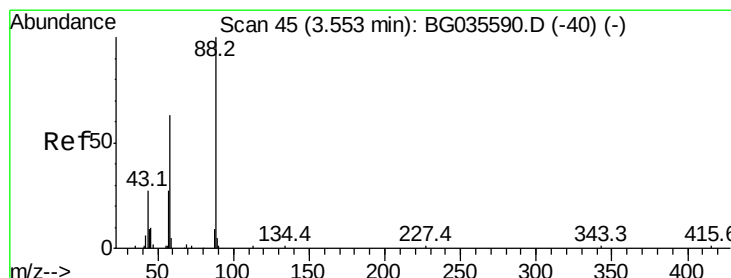
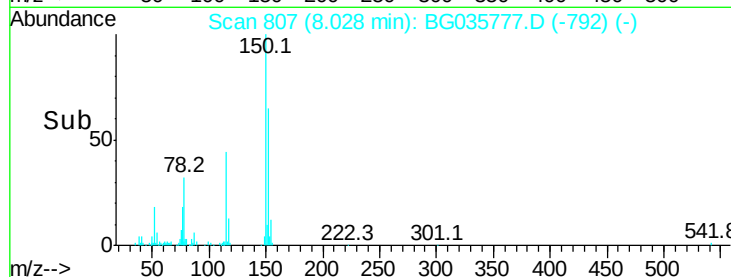
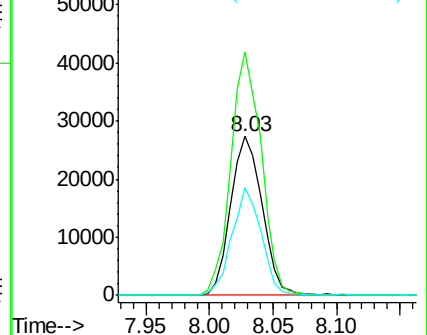
115 67.9 53.0 79.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.398 ng

RT: 3.53 min Scan# 41

Delta R.T. -0.01 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

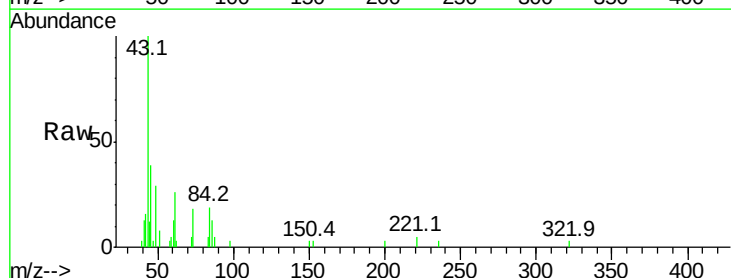
Tgt Ion: 88 Resp: 573

Ion Ratio Lower Upper

88 100

58 72.1 79.6 119.4#

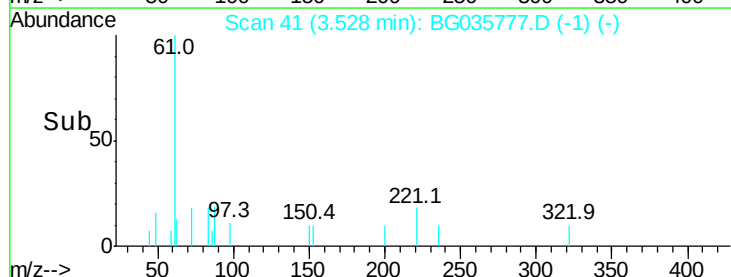
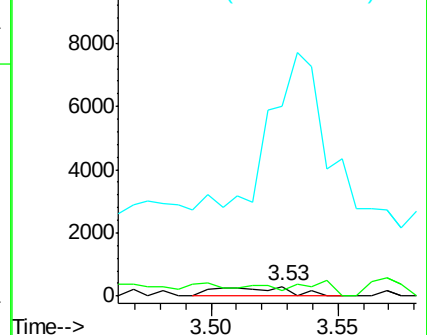
43 1579.2 27.4 41.0#

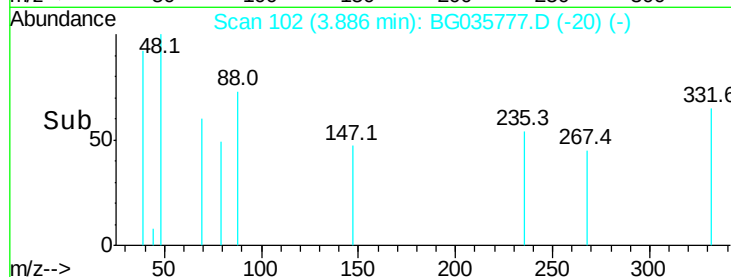
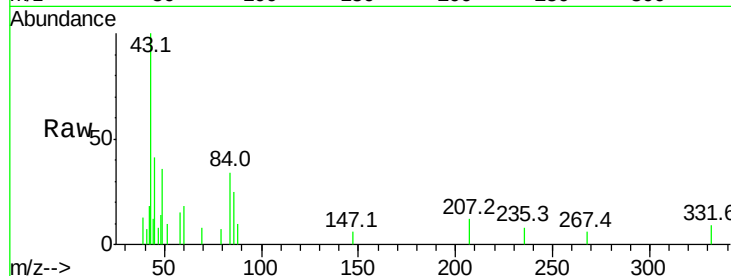
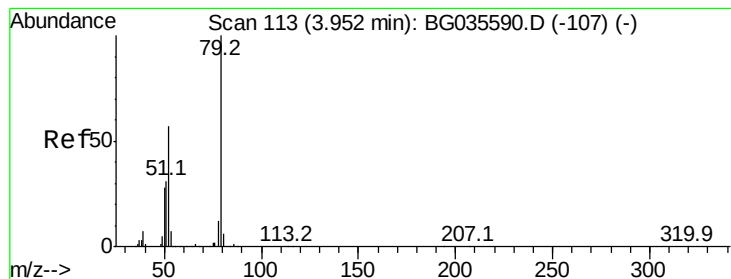


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 0.016 ng

RT: 3.89 min Scan# 102

Delta R.T. -0.05 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampled :

LS-SOIL-4

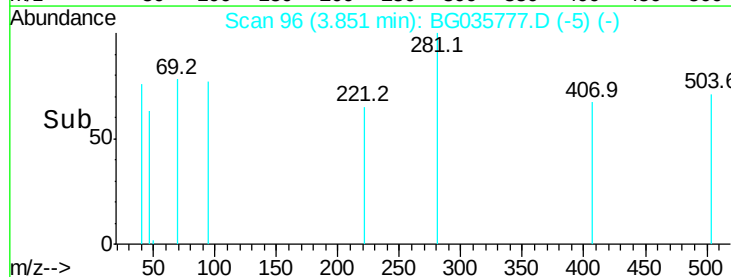
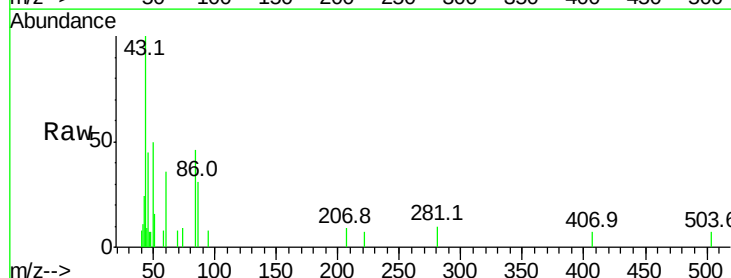
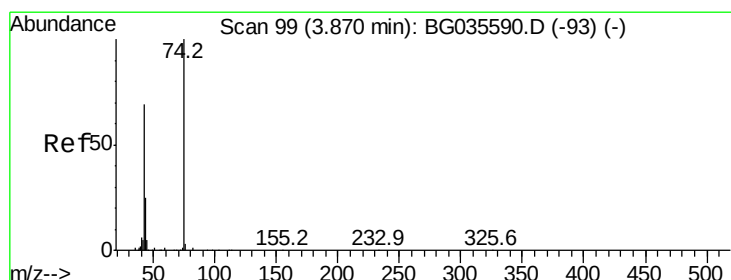
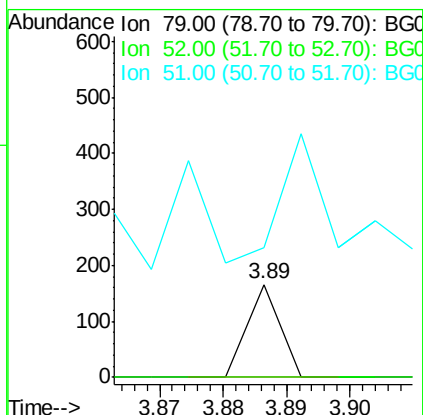
Tot Ion: 79 Resp: 59

Ion Ratio Lower Upper

79 100

52 0.0 69.9 104.9#

51 139.8 34.0 51.0#



#4

n-Nitrosodimethylamine

Concen: 0.135 ng

RT: 3.85 min Scan# 96

Delta R.T. 0.00 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

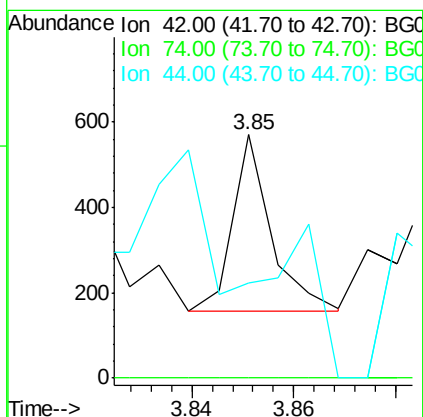
Tgt Ion: 42 Resp: 218

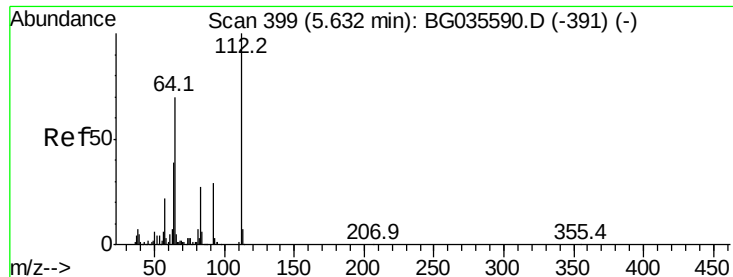
Ion Ratio Lower Upper

42 100

74 0.0 102.5 153.7#

44 39.1 18.9 28.3#





#5

2-Fluorophenol

Concen: 130.681 ng

RT: 5.61 min Scan# 396

Delta R.T. -0.01 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

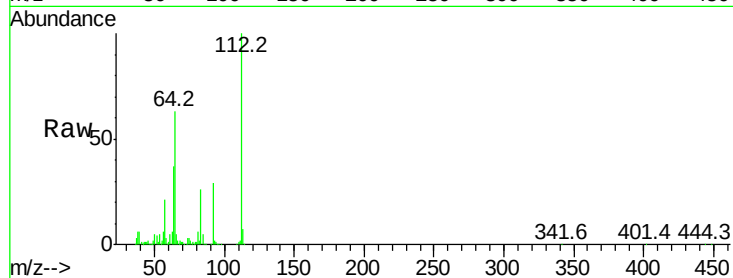
Tot Ion:112 Resp: 369642

Ion Ratio Lower Upper

112 100

64 62.6 56.3 84.5

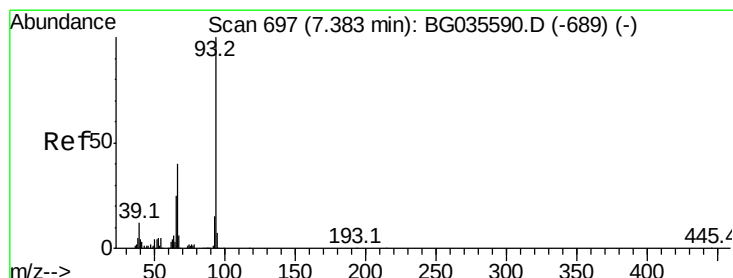
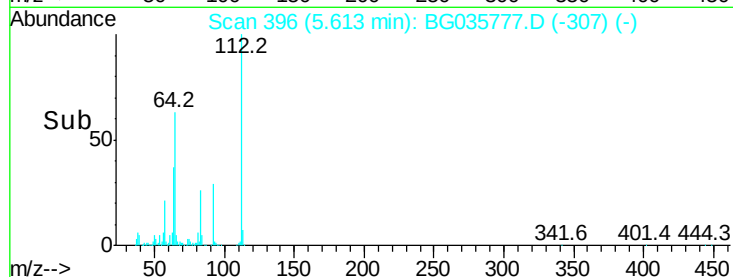
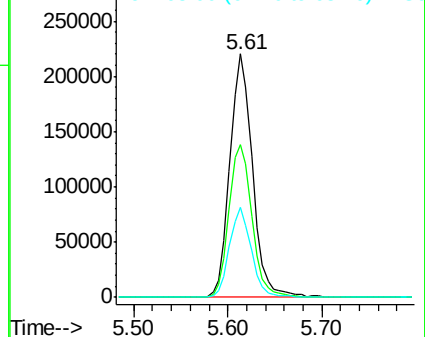
63 36.8 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.011 ng

RT: 7.38 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

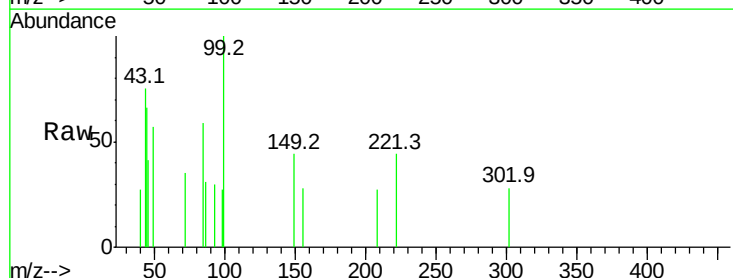
Tgt Ion: 93 Resp: 60

Ion Ratio Lower Upper

93 100

66 0.0 33.7 50.5#

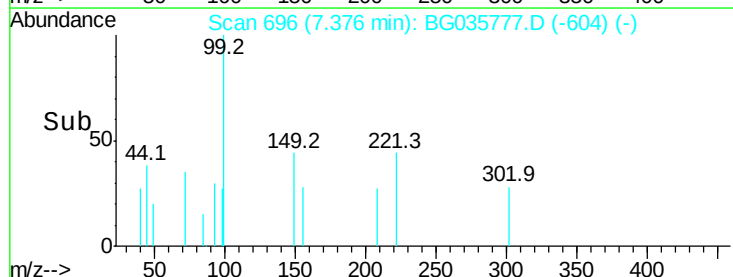
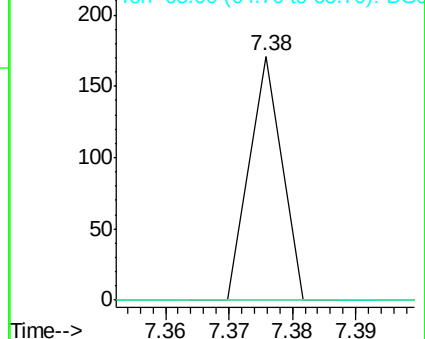
65 0.0 16.1 24.1#

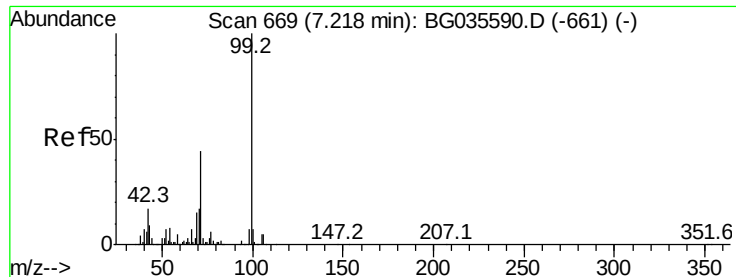


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 109.511 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

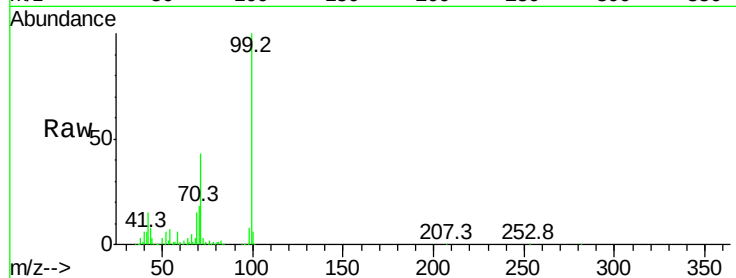
Tot Ion: 99 Resp: 462160

Ion Ratio Lower Upper

99 100

42 14.9 14.1 21.1

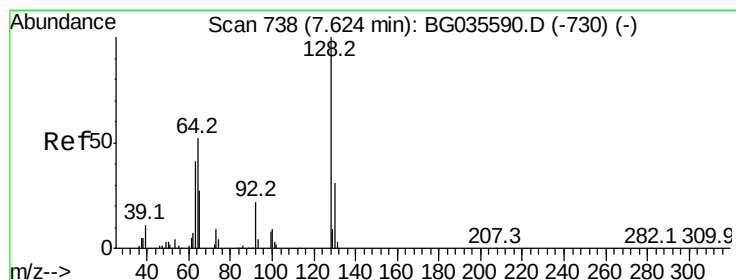
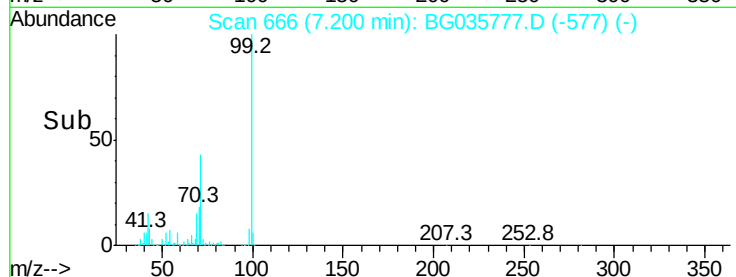
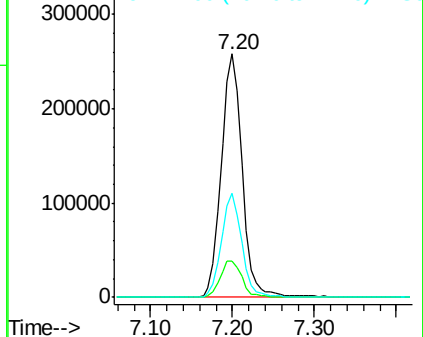
71 42.8 26.1 39.1#



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: 0.090 ng

RT: 7.56 min Scan# 728

Delta R.T. -0.04 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

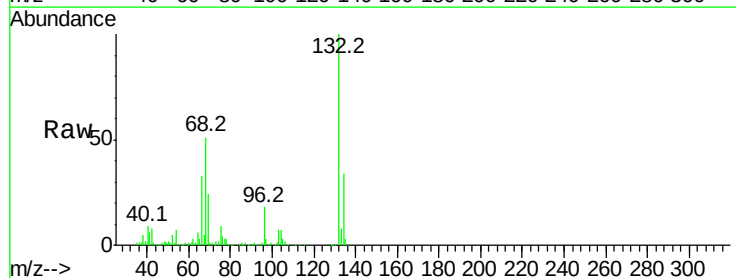
Tgt Ion:128 Resp: 259

Ion Ratio Lower Upper

128 100

130 90.0 14.0 54.0#

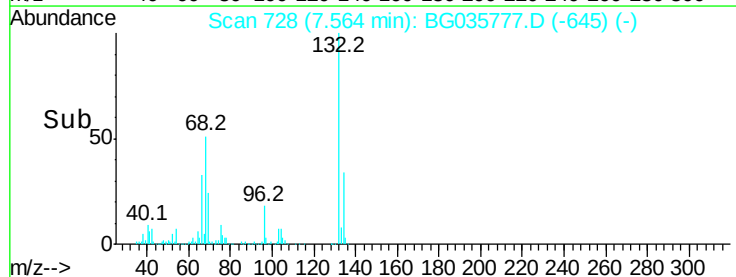
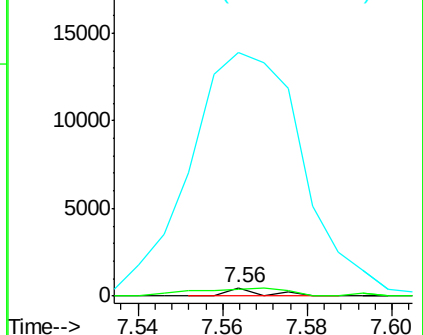
64 3006.9 37.7 77.7#

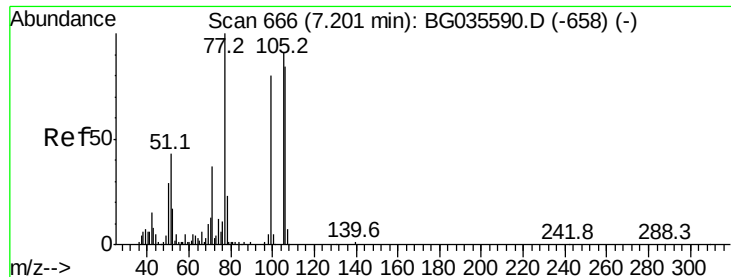


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 0.345 ng

RT: 7.20 min Scan# 666

Delta R.T. 0.02 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

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ClientSampleId :

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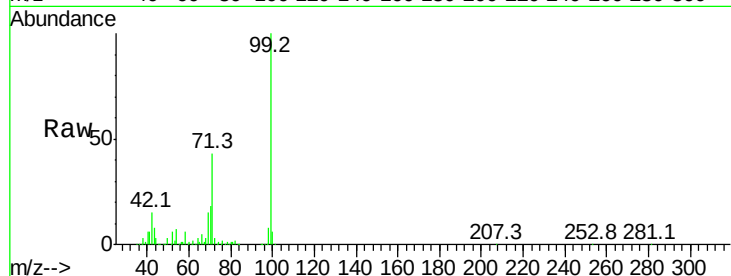
Tot Ion: 77 Resp: 894

Ion Ratio Lower Upper

77 100

105 0.0 71.3 111.3#

106 0.0 64.2 104.2#



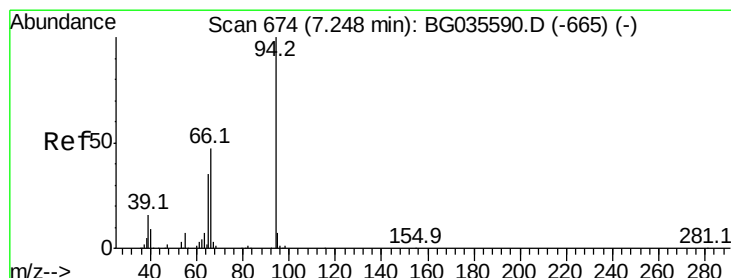
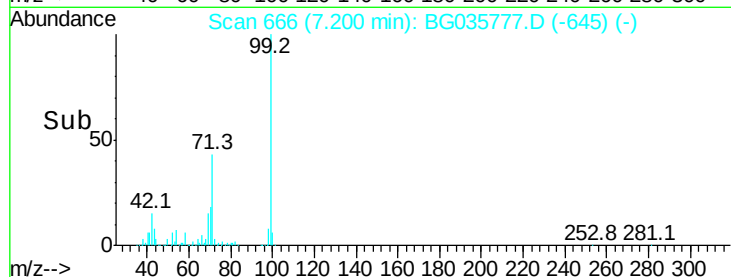
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

7.20

Time-->



#10

Phenol

Concen: 0.035 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.04 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

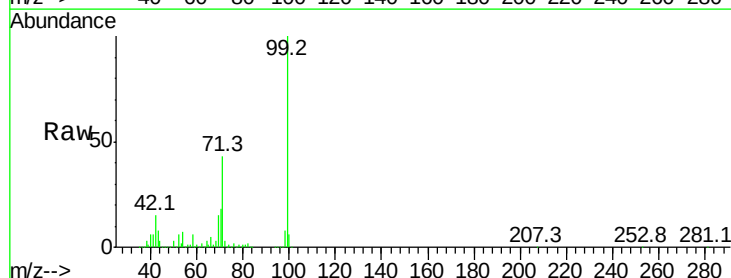
Tgt Ion: 94 Resp: 151

Ion Ratio Lower Upper

94 100

65 1465.0 11.9 51.9#

66 6407.5 22.2 62.2#



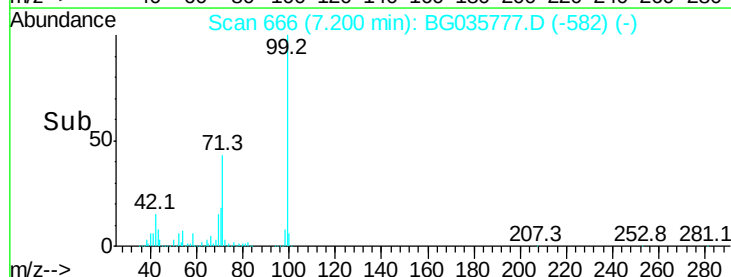
Abundance Ion 94.00 (93.70 to 94.70): BGC

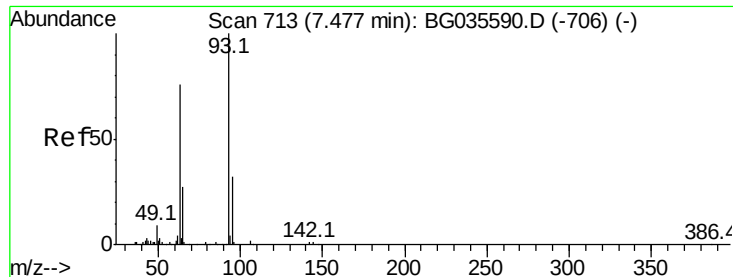
Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

7.20

Time-->





#11

bis(2-Chloroethyl)ether

Concen: 0.018 ng

RT: 7.38 min Scan# 696

Delta R.T. -0.08 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

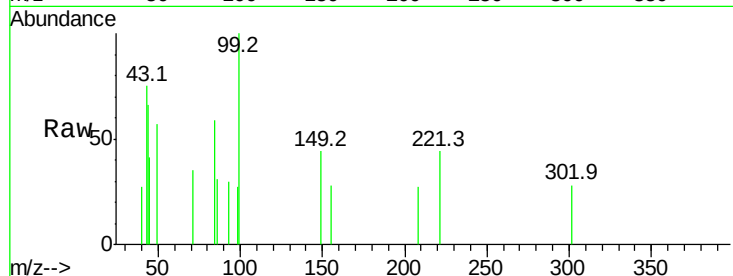
Tot Ion: 93 Resp: 60

Ion Ratio Lower Upper

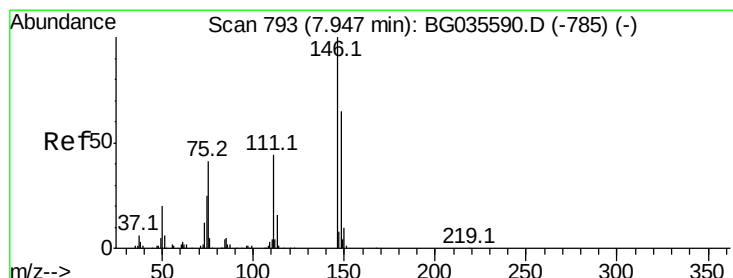
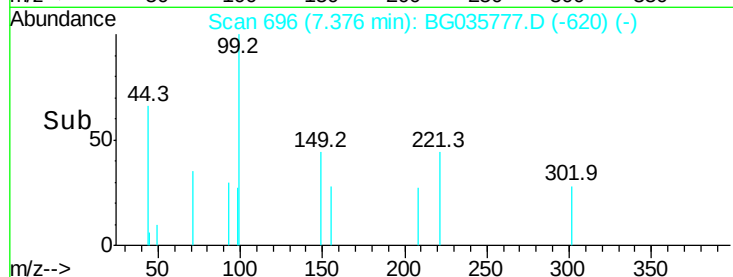
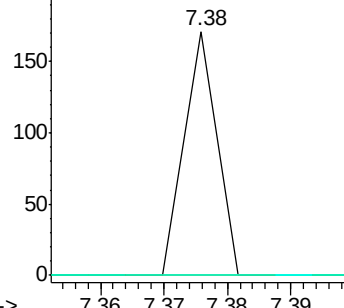
93 100

63 0.0 67.1 107.1#

95 0.0 11.5 51.5#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 0.016 ng

RT: 7.90 min Scan# 786

Delta R.T. -0.02 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

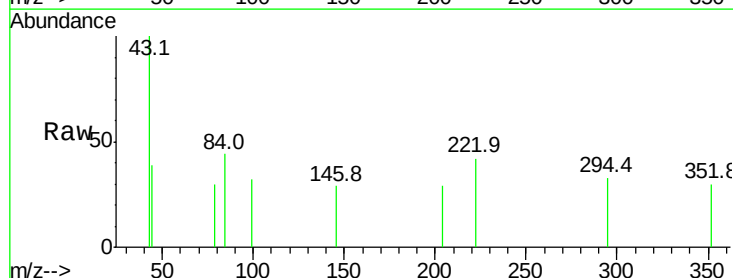
Tgt Ion: 146 Resp: 55

Ion Ratio Lower Upper

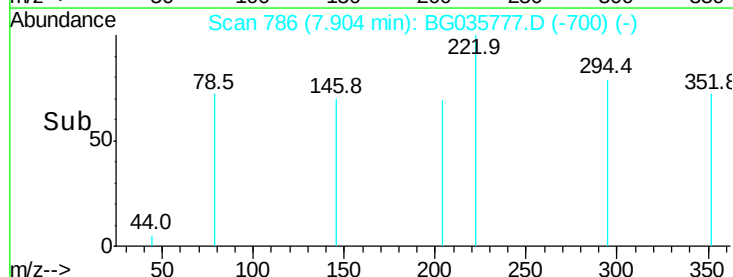
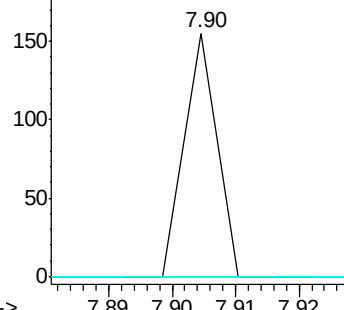
146 100

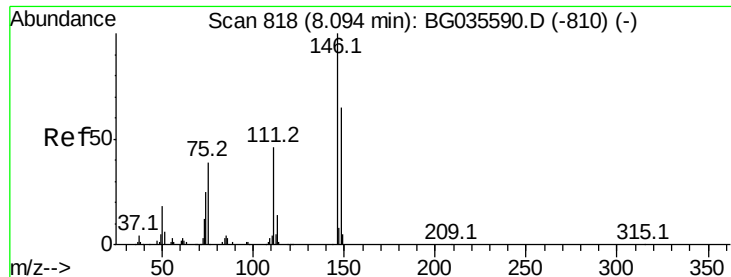
148 0.0 51.4 77.2#

75 0.0 26.6 39.8#



Abundance Ion 146.00 (145.70 to 146.70): BGC
Ion 148.00 (147.70 to 148.70): BGC
Ion 75.00 (74.70 to 75.70): BGC

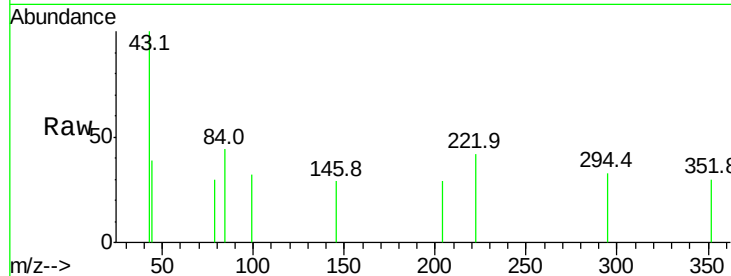




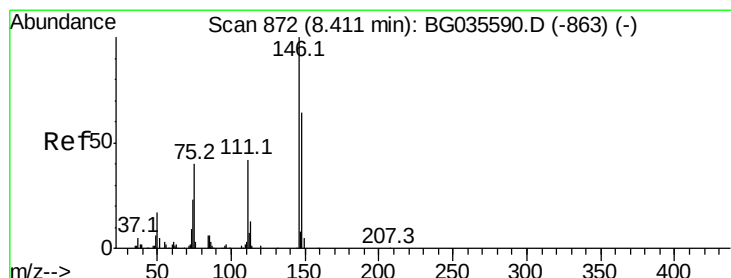
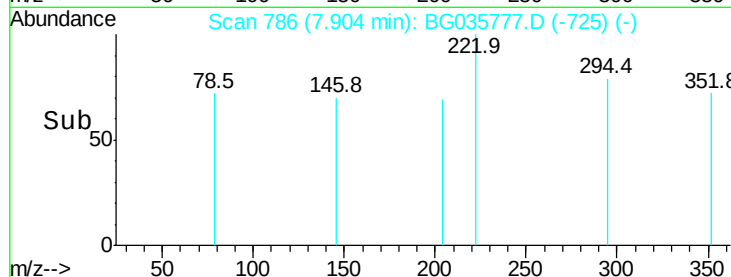
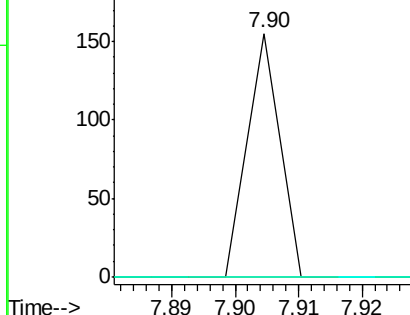
#13
 1,4-Dichlorobenzene
 Concen: 0.016 ng
 RT: 7.90 min Scan# 786
 Delta R.T. -0.17 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-4

Tot Ion:146 Resp: 55
 Ion Ratio Lower Upper
 146 100
 148 0.0 53.7 80.5#
 111 0.0 35.2 52.8#

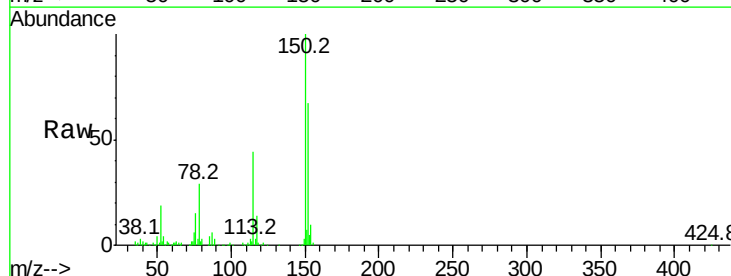


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

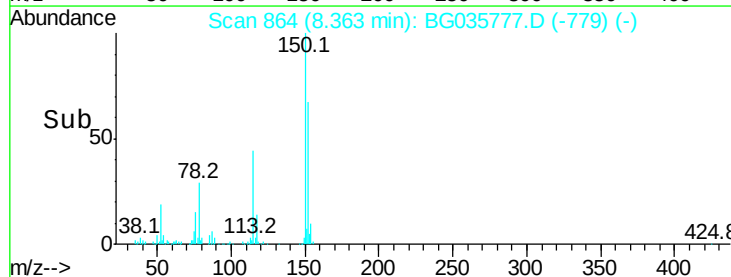
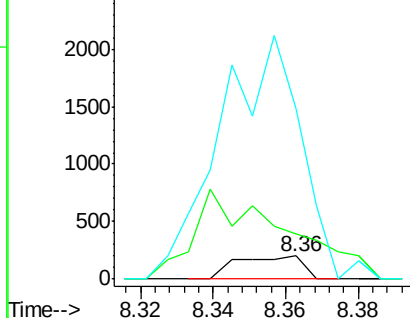


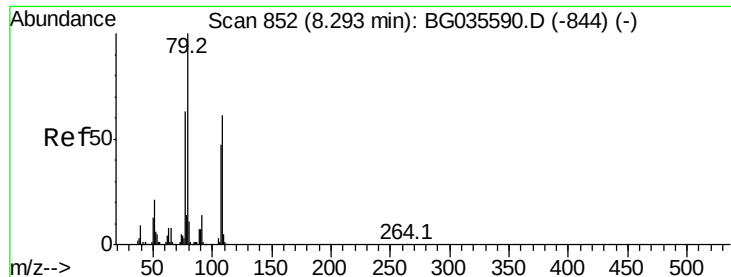
#14
 1,2-Dichlorobenzene
 Concen: 0.074 ng
 RT: 8.36 min Scan# 864
 Delta R.T. -0.03 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

Tgt Ion:146 Resp: 250
 Ion Ratio Lower Upper
 146 100
 148 196.5 49.3 73.9#
 111 740.3 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: 1.763 ng

RT: 8.35 min Scan# 862

Delta R.T. 0.08 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

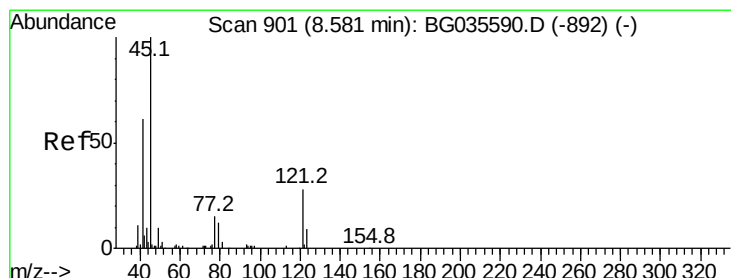
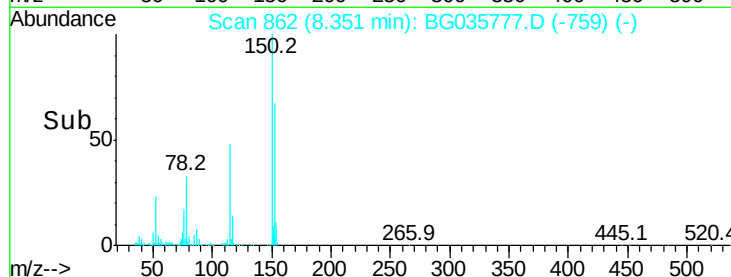
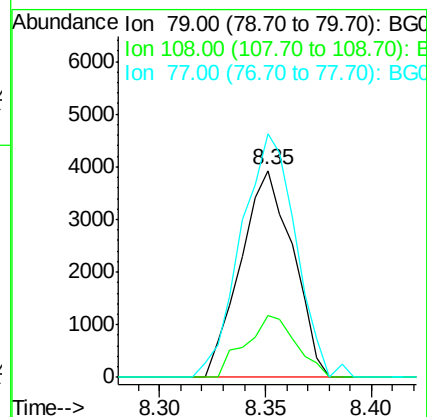
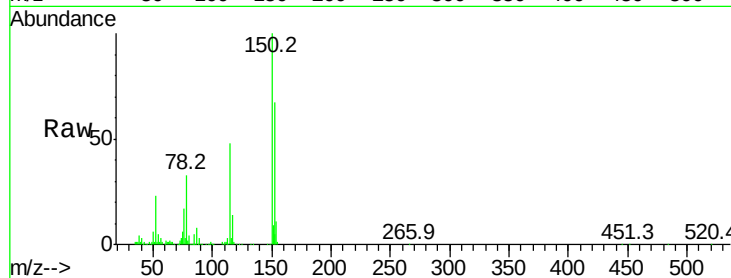
Tot Ion: 79 Resp: 6756

Ion Ratio Lower Upper

79 100

108 30.2 57.2 85.8#

77 117.7 46.1 69.1#



#16

2,2'-oxybis(1-chloropropane)

Concen: 0.103 ng

RT: 8.54 min Scan# 894

Delta R.T. -0.03 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

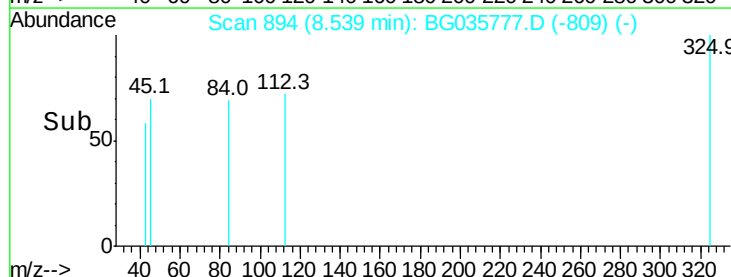
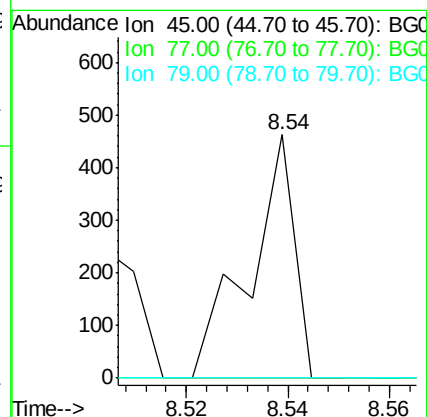
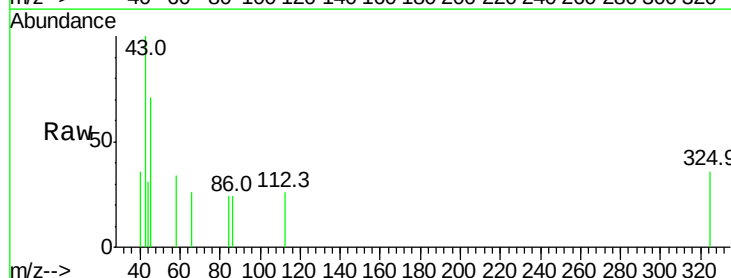
Tgt Ion: 45 Resp: 287

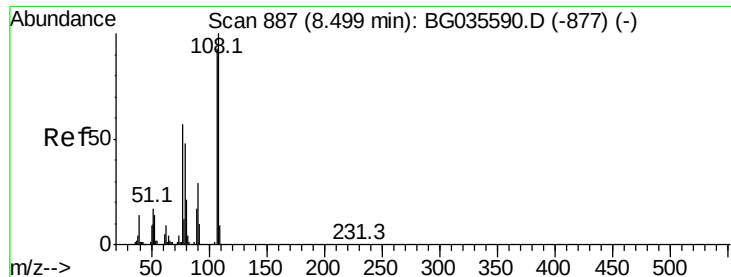
Ion Ratio Lower Upper

45 100

77 0.0 0.0 30.2

79 0.0 0.0 27.9





#17

2-Methylphenol

Concen: 0.029 ng

RT: 8.53 min Scan# 892

Delta R.T. 0.05 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

Tot Ion:107 Resp: 83

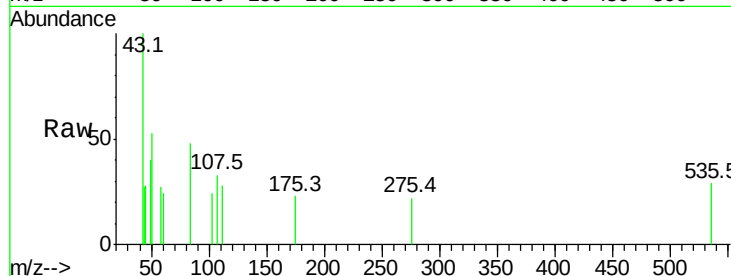
Ion Ratio Lower Upper

107 100

108 0.0 83.9 125.9#

77 0.0 37.2 55.8#

79 0.0 36.2 54.2#

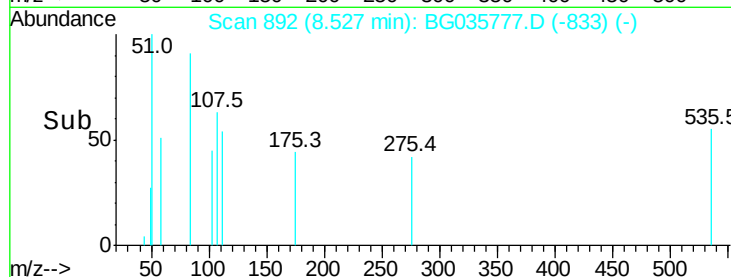
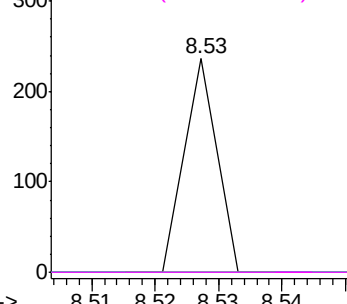


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#20

3+4-Methylphenols

Concen: 0.021 ng

RT: 8.53 min Scan# 892

Delta R.T. -0.28 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Tgt Ion:107 Resp: 83

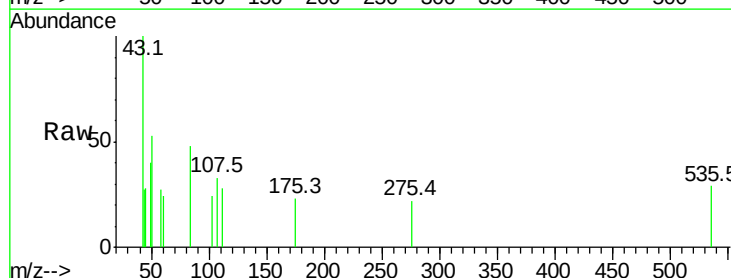
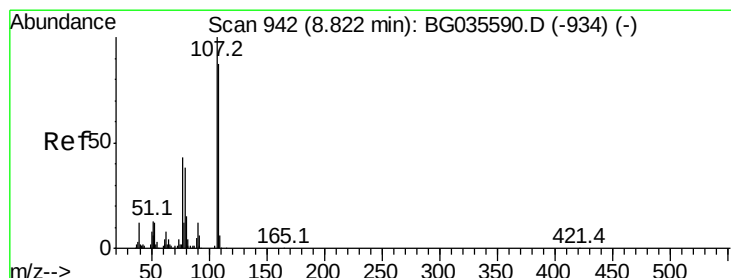
Ion Ratio Lower Upper

107 100

108 0.0 61.6 101.6#

77 0.0 13.9 53.9#

79 0.0 8.8 48.8#

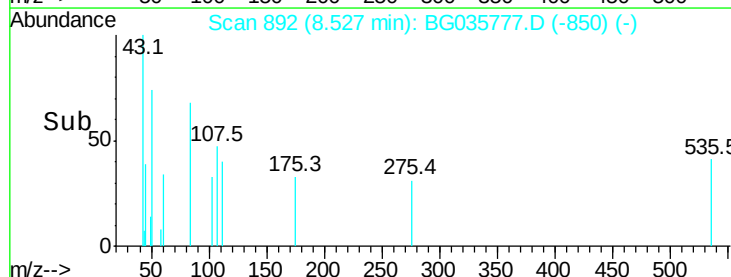
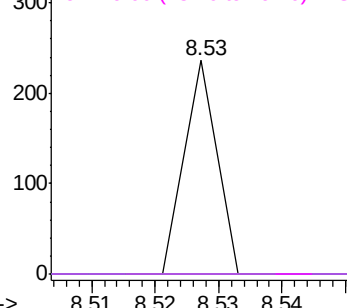


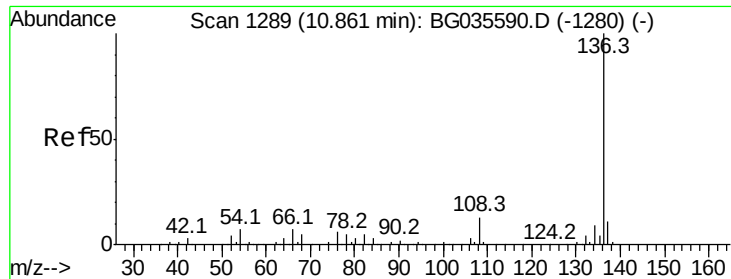
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

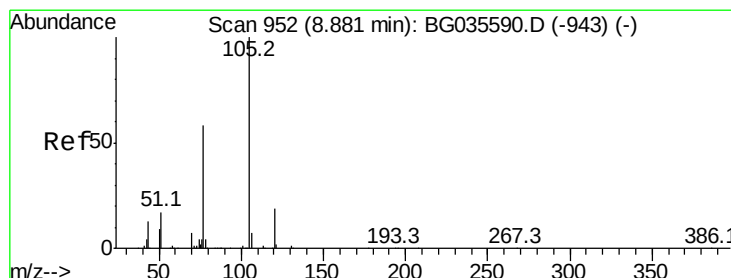
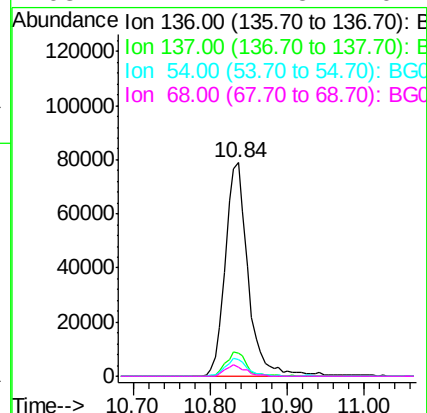
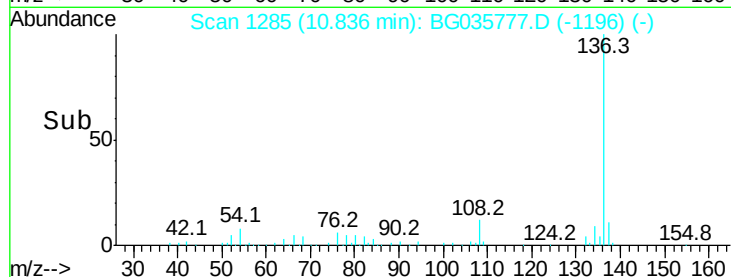
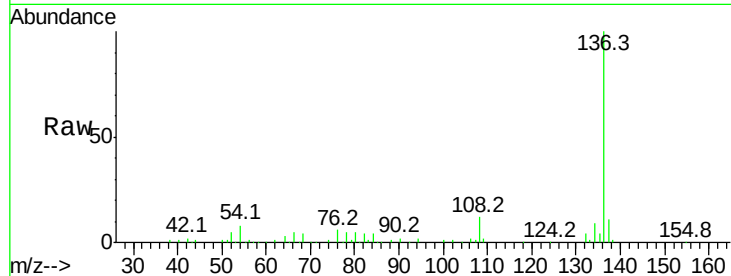




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

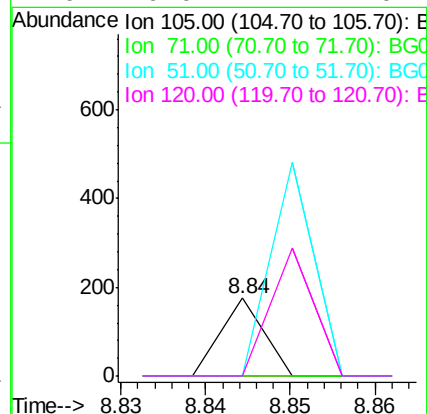
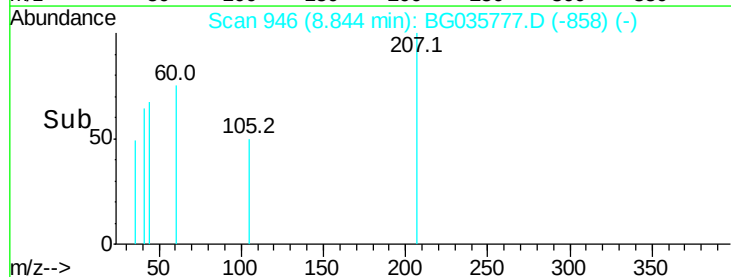
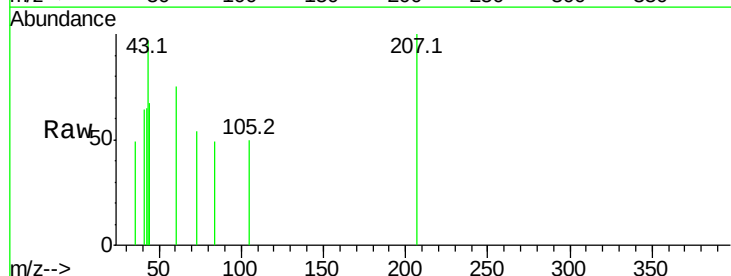
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-4

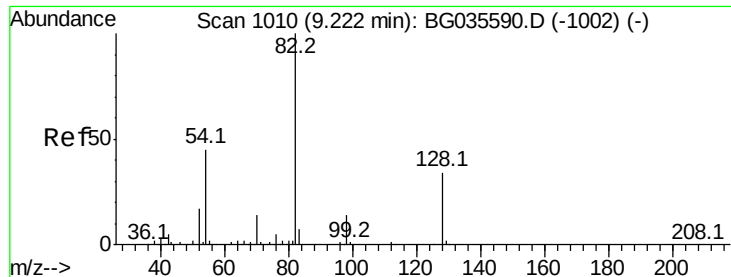
Tot Ion:	136	Resp:	162701
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	7.9	10.3	15.5#
68	4.4	4.5	6.7#



#22
Acetophenone
Concen: 0.012 ng
RT: 8.84 min Scan# 946
Delta R.T. -0.01 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Tgt Ion:	105	Resp:	62
Ion	Ratio	Lower	Upper
105	100		
71	0.0	3.0	4.4#
51	0.0	26.1	39.1#
120	0.0	17.4	26.2#

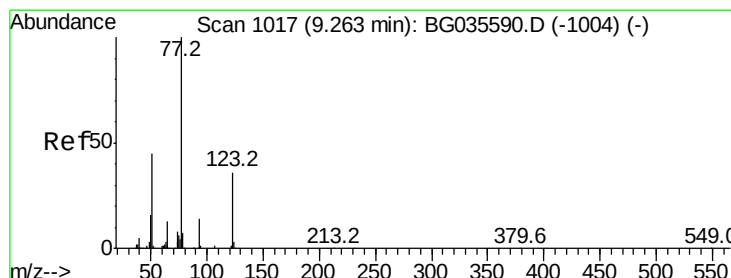
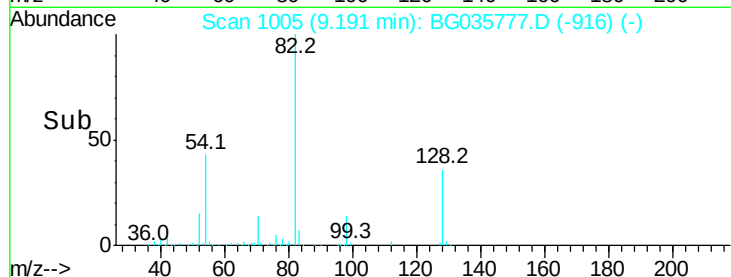
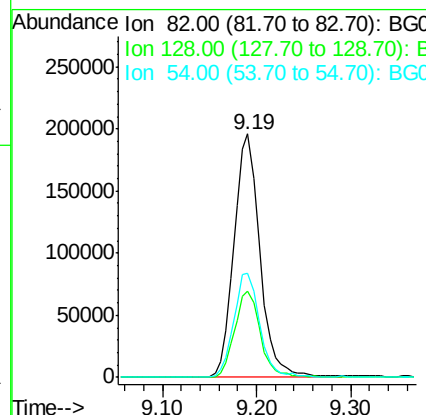
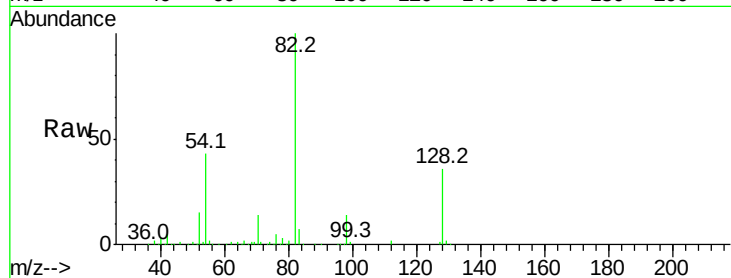




#23
Nitrobenzene-d5
Concen: 96.619 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

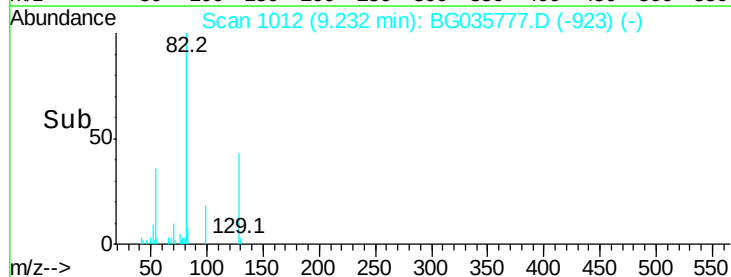
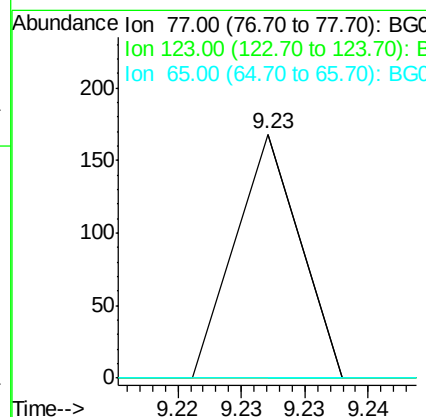
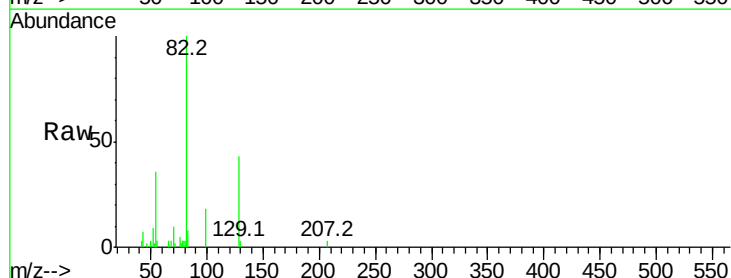
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-4

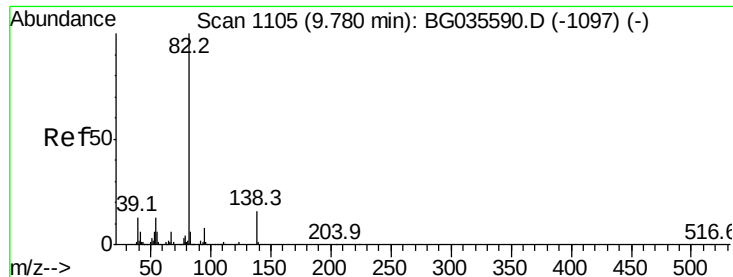
Tot Ion	82	Resp	376305
Ion	Ratio	Lower	Upper
82	100		
128	35.6	29.7	44.5
54	42.5	43.1	64.7#



#24
Nitrobenzene
Concen: 0.015 ng
RT: 9.23 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Tgt Ion	77	Resp	59
Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	0.0	13.0	19.6#

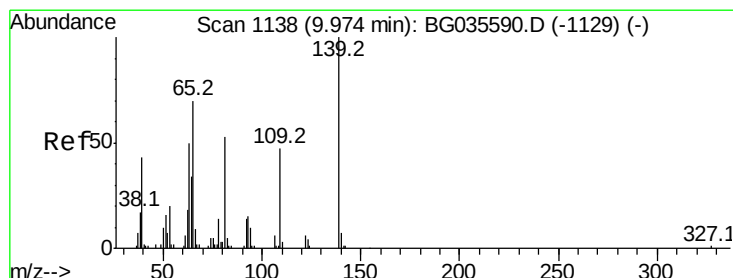
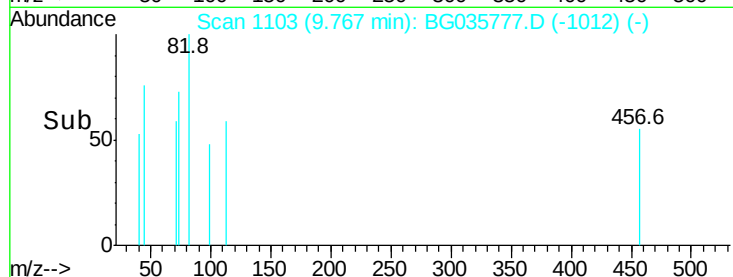
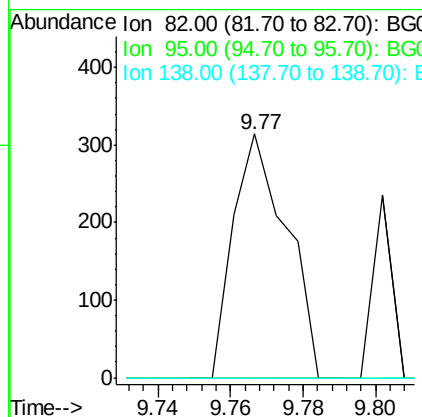
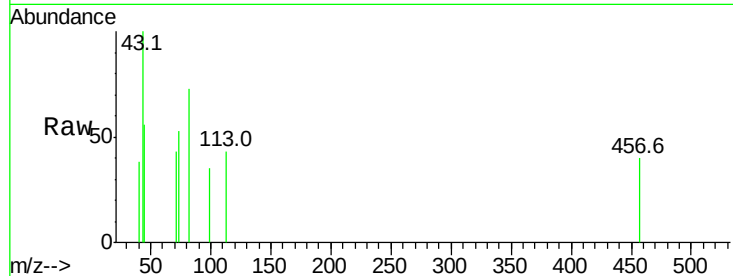




#25
Isophorone
Concen: 0.044 ng
RT: 9.77 min Scan# 1103
Delta R.T. 0.00 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

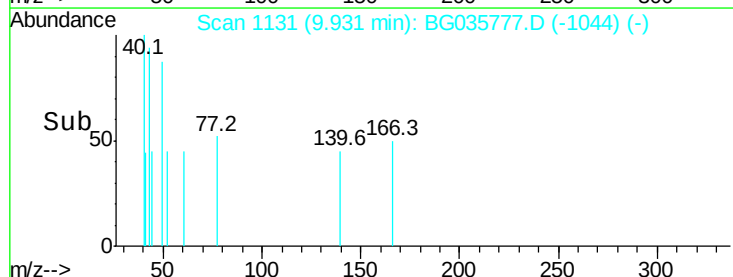
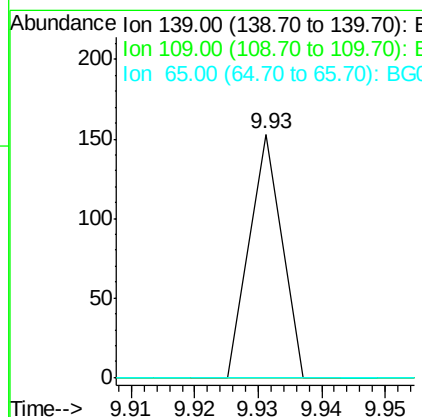
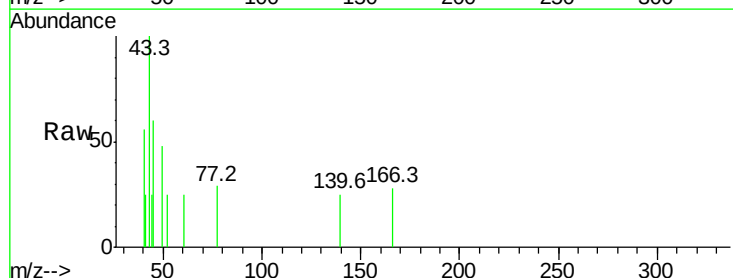
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-4

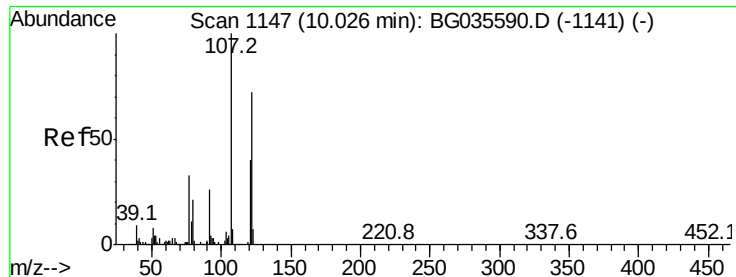
Tot Ion: 82 Resp: 321
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.1 18.1#



#26
2-Nitrophenol
Concen: 0.039 ng
RT: 9.93 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Tgt Ion: 139 Resp: 54
Ion Ratio Lower Upper
139 100
109 0.0 24.2 36.2#
65 0.0 47.4 71.0#

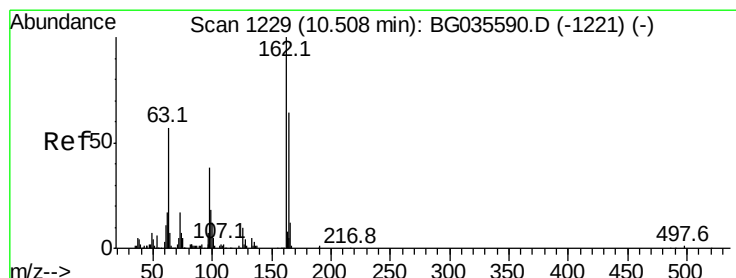
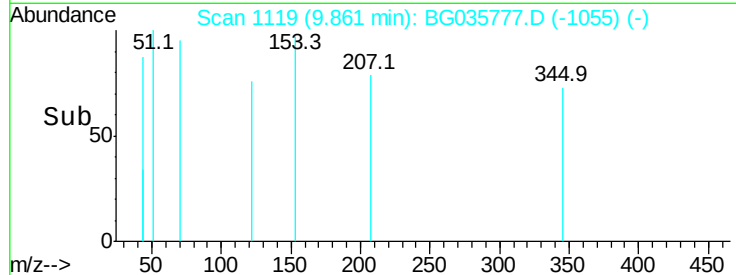
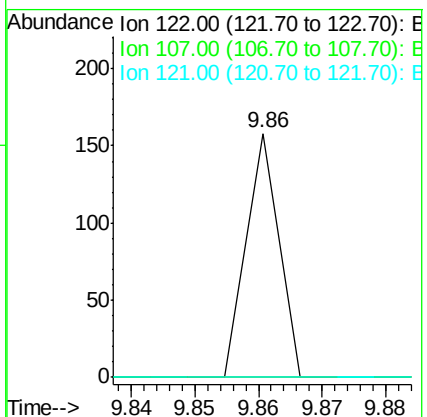
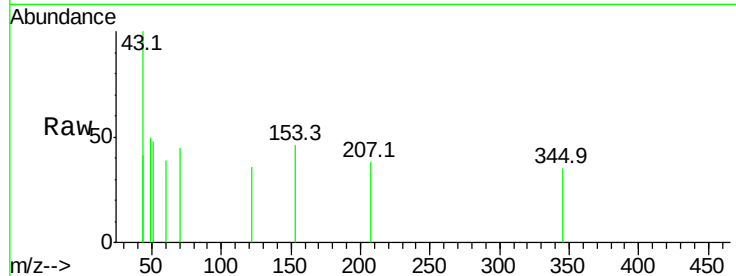




#27
2,4-Dimethylphenol
Concen: 0.024 ng
RT: 9.86 min Scan# 1119
Delta R.T. -0.15 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

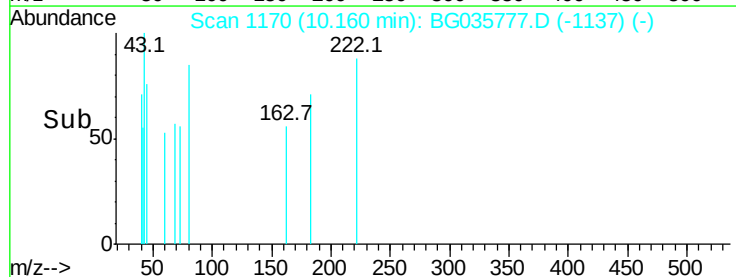
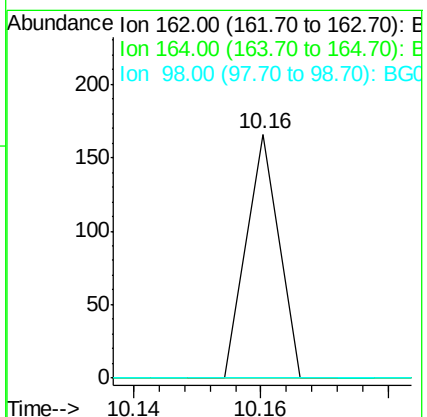
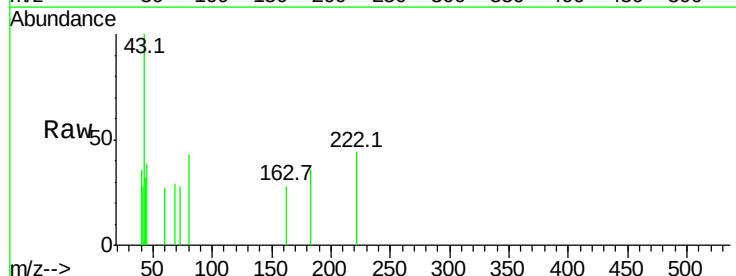
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-4

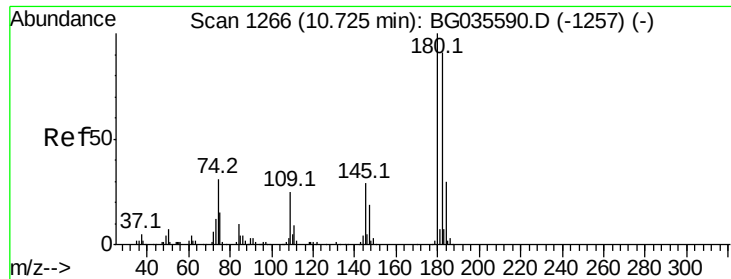
Tot Ion	Ratio	Lower	Upper
122	100		
107	0.0	100.2	150.2#
121	0.0	44.4	66.6#



#29
2,4-Dichlorophenol
Concen: 0.022 ng
RT: 10.16 min Scan# 1170
Delta R.T. -0.34 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Tgt Ion	Ratio	Lower	Upper
162	100		
164	0.0	48.0	88.0#
98	0.0	21.1	61.1#

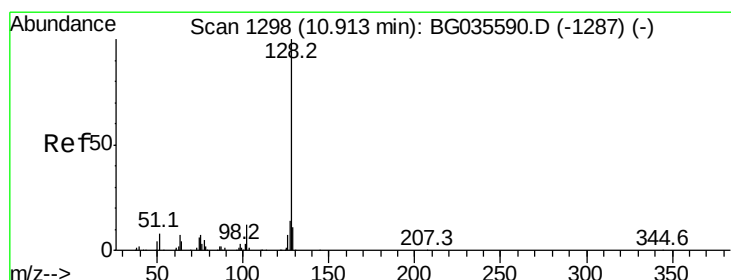
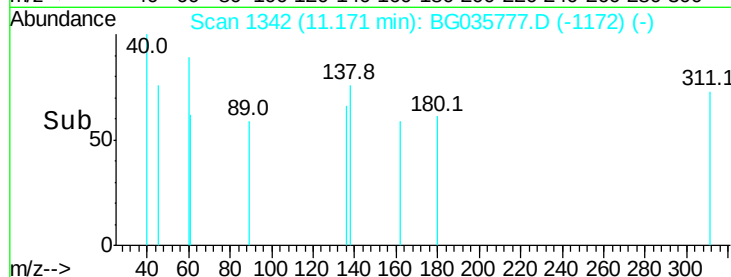
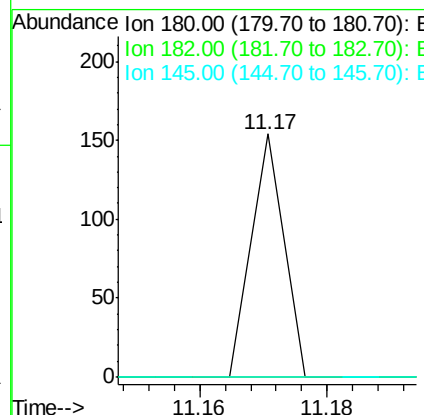
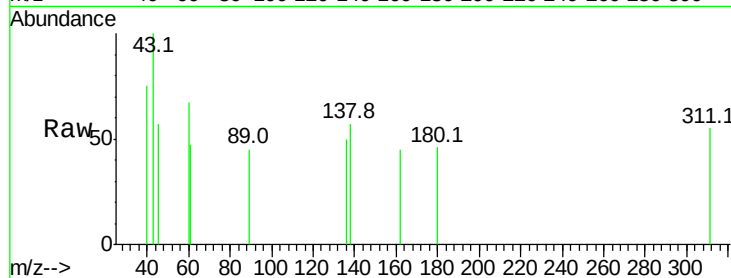




#30
1,2,4-Trichlorobenzene
Concen: 0.016 ng
RT: 11.17 min Scan# 1342
Delta R.T. 0.47 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

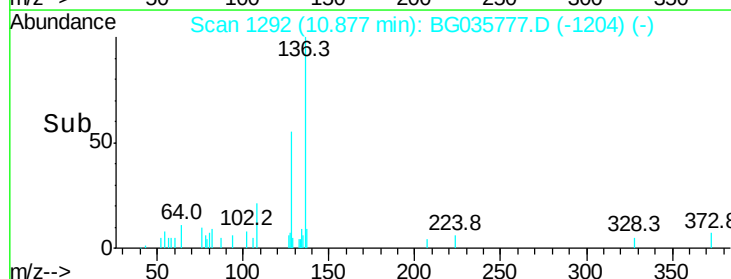
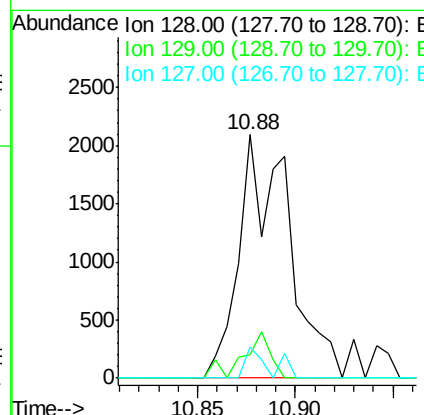
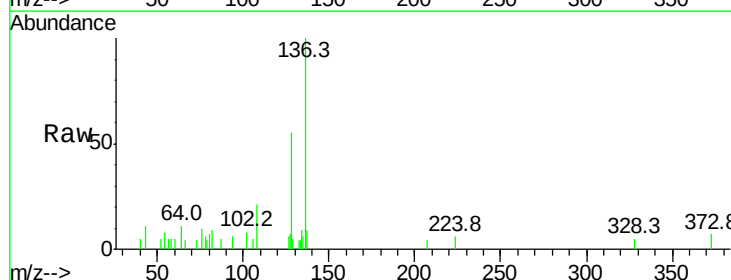
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-4

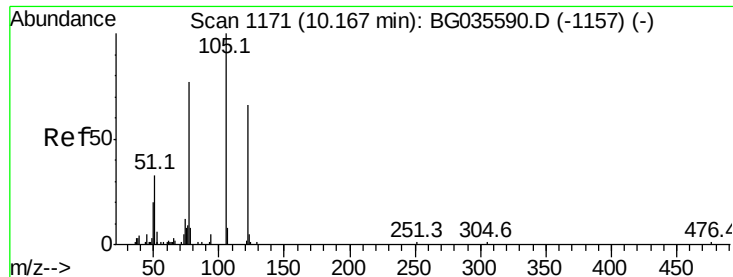
Tot Ion:180 Resp: 54
Ion Ratio Lower Upper
180 100
182 0.0 77.5 116.3#
145 0.0 23.4 35.2#



#31
Naphthalene
Concen: 0.435 ng
RT: 10.88 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Tgt Ion:128 Resp: 3688
Ion Ratio Lower Upper
128 100
129 9.8 8.6 12.8
127 13.0 11.6 17.4





#32

Benzoic acid

Concen: 0.035 ng

RT: 9.86 min Scan# 1119

Delta R.T. -0.29 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

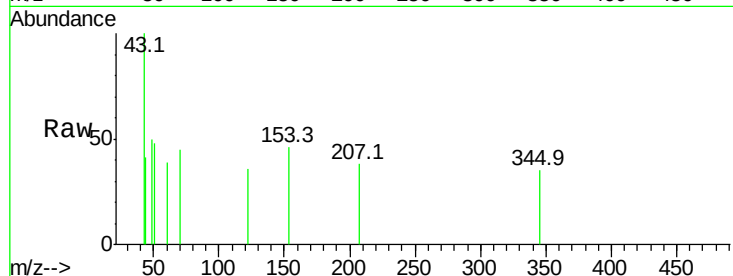
Tot Ion:122 Resp: 56

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

77 0.0 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): BGC

9.86

150

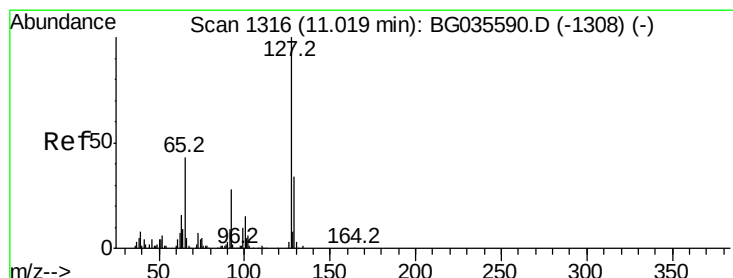
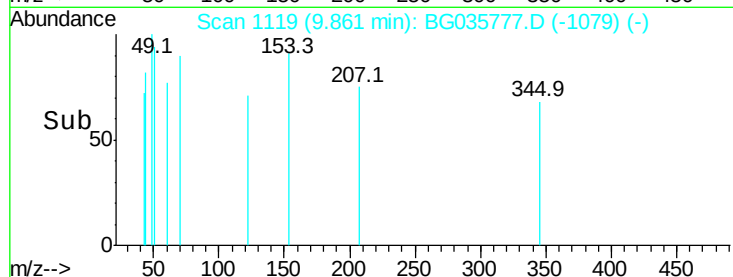
100

50

0

9.84 9.85 9.86 9.87 9.88

Time-->



#33

4-Chloroaniline

Concen: 0.041 ng

RT: 10.88 min Scan# 1292

Delta R.T. -0.12 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Tgt Ion:127 Resp: 152

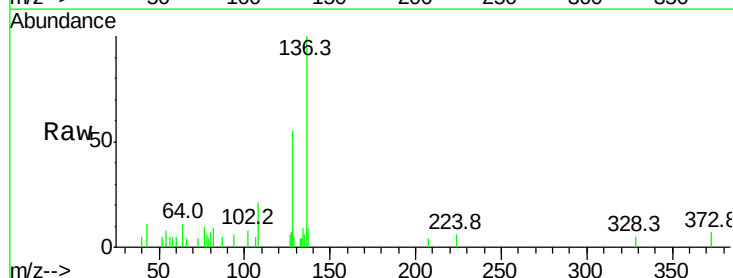
Ion Ratio Lower Upper

127 100

129 75.7 24.0 36.0#

65 0.0 27.0 40.4#

92 0.0 16.6 25.0#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

10.88

400

300

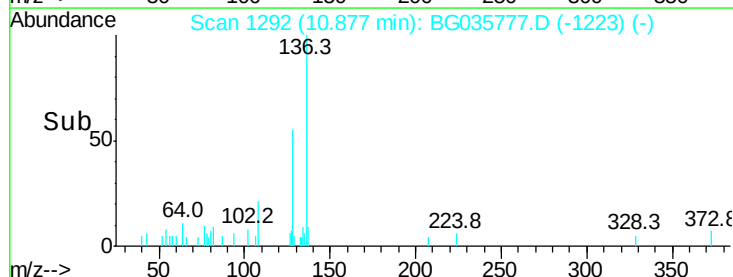
200

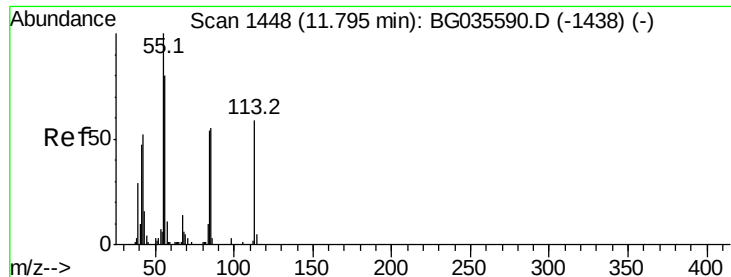
100

0

10.86 10.88

Time-->

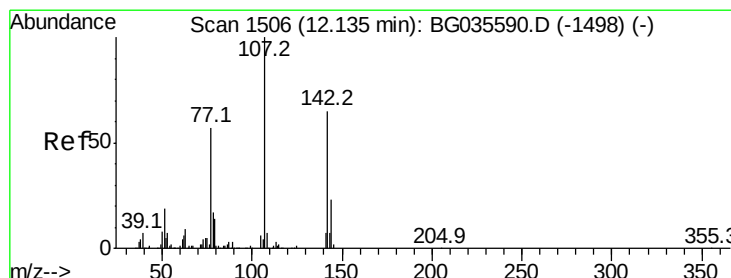
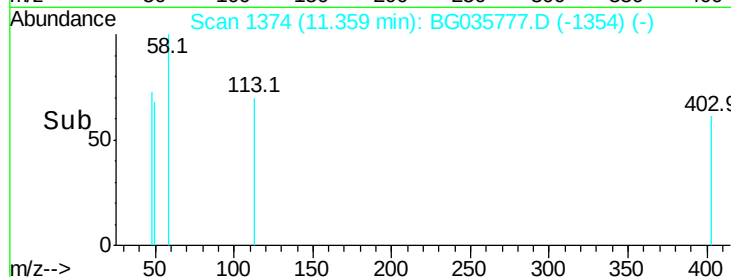
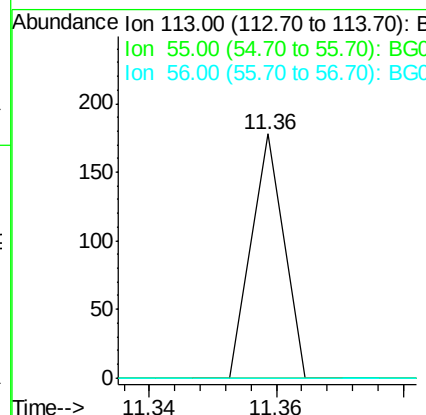
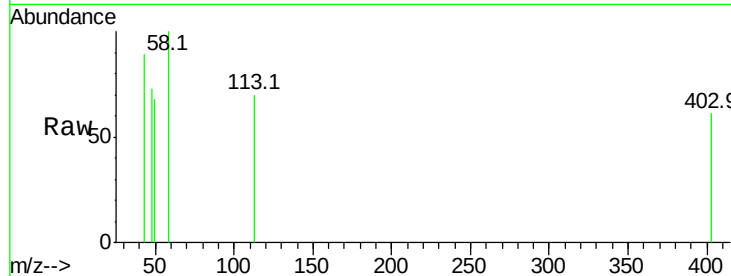




#35
 Caprolactam
 Concen: 0.055 ng
 RT: 11.36 min Scan# 1374
 Delta R.T. -0.41 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

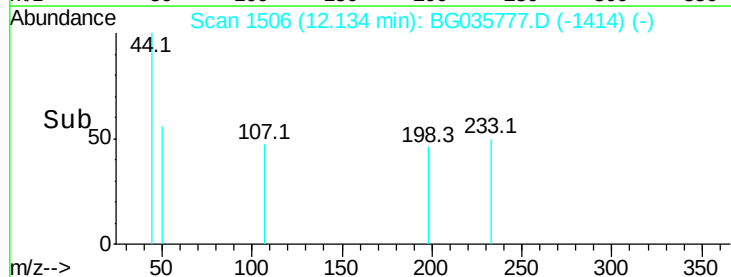
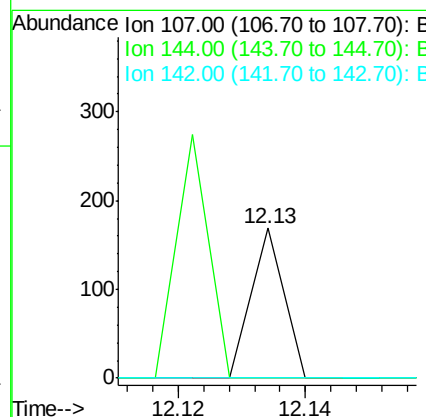
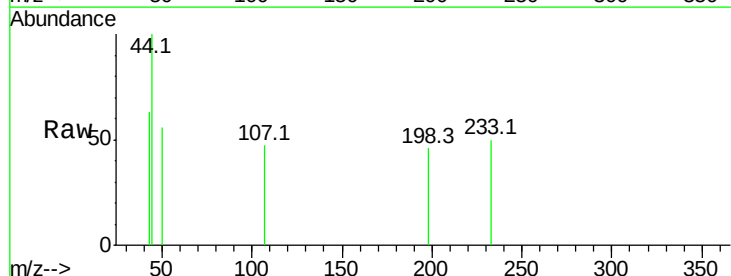
Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-4

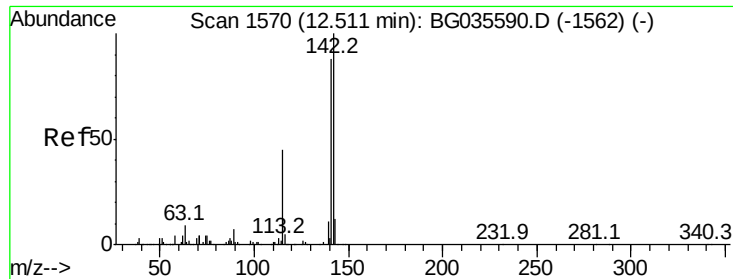
Tot Ion:113 Resp: 63
 Ion Ratio Lower Upper
 113 100
 55 0.0 186.9 226.9#
 56 0.0 130.9 170.9#



#36
 4-Chloro-3-methylphenol
 Concen: 0.017 ng
 RT: 12.13 min Scan# 1506
 Delta R.T. 0.01 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

Tgt Ion:107 Resp: 60
 Ion Ratio Lower Upper
 107 100
 144 0.0 18.2 27.4#
 142 0.0 59.0 88.4#

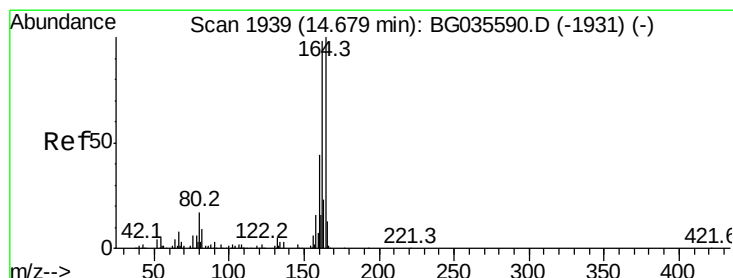
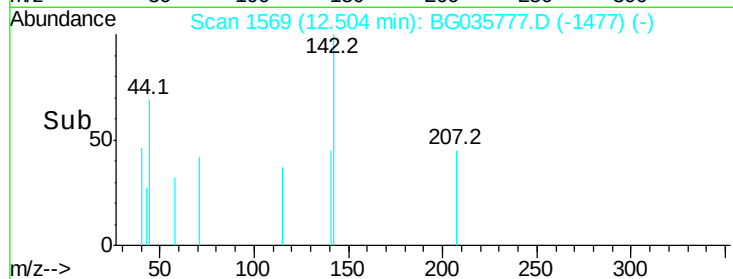
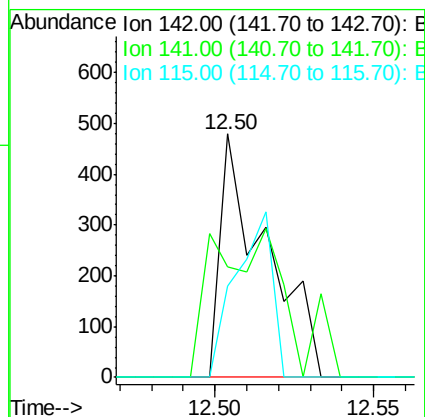
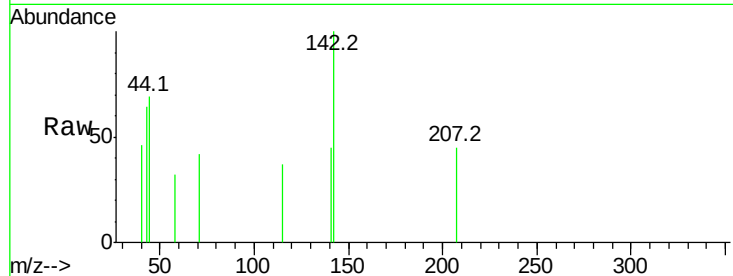




#37
 2-Methylnaphthalene
 Concen: 0.076 ng
 RT: 12.50 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

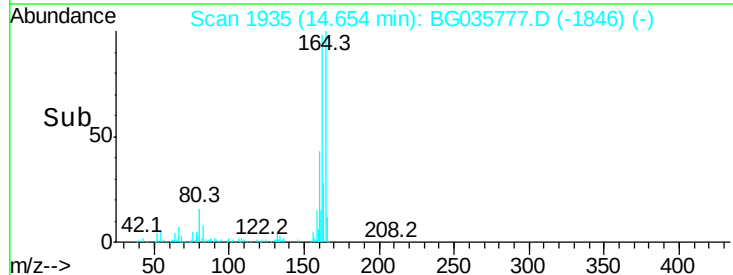
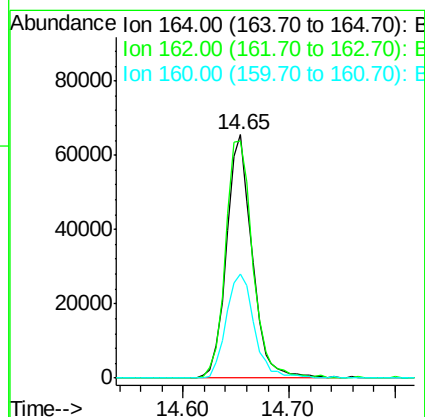
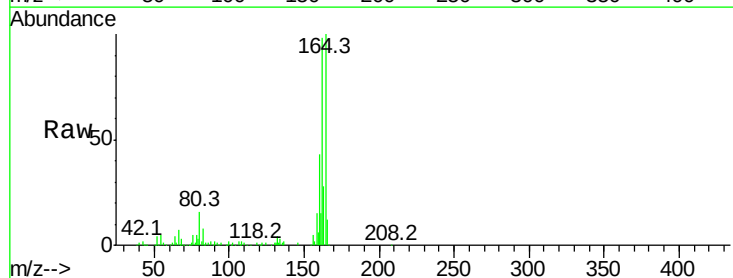
Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-4

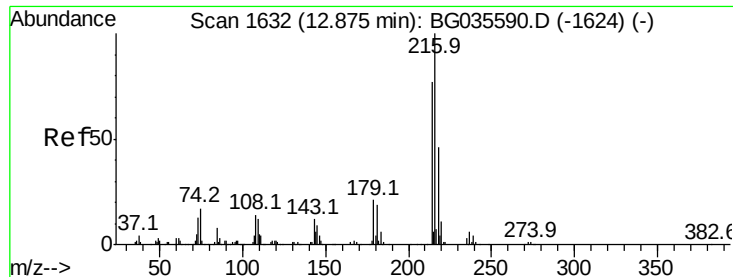
Tot Ion:142 Resp: 478
 Ion Ratio Lower Upper
 142 100
 141 45.3 67.1 100.7#
 115 37.4 30.7 46.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1935
 Delta R.T. -0.01 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

Tgt Ion:164 Resp: 109567
 Ion Ratio Lower Upper
 164 100
 162 97.6 78.8 118.2
 160 42.7 35.4 53.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.015 ng

RT: 13.21 min Scan# 1689

Delta R.T. 0.35 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampled :

LS-SOIL-4

Tot Ion:216 Resp: 61

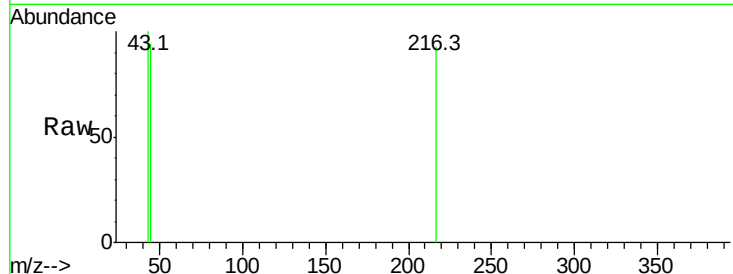
Ion Ratio Lower Upper

216 100

214 0.0 63.0 94.4#

179 0.0 17.0 25.6#

108 0.0 12.8 19.2#

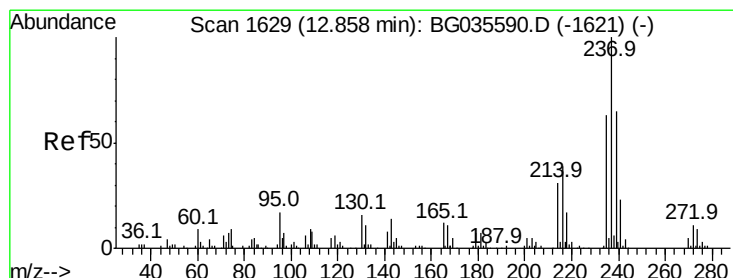
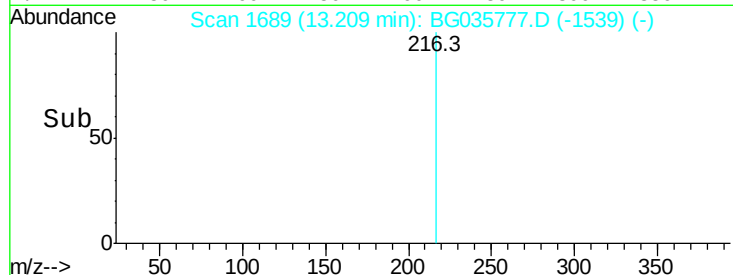
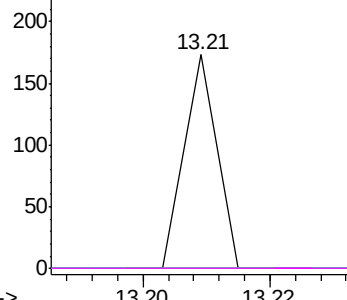


Abundance Ion 216.00 (215.70 to 216.70): E

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: 0.025 ng

RT: 13.23 min Scan# 1693

Delta R.T. 0.39 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

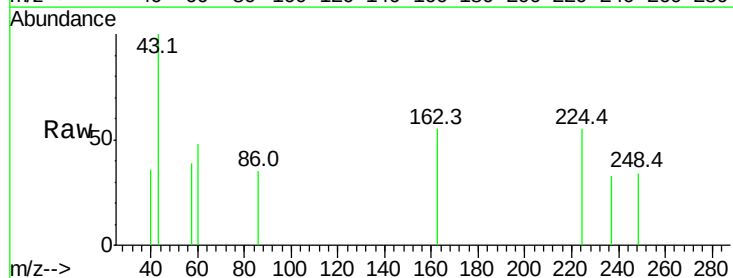
Tgt Ion:237 Resp: 55

Ion Ratio Lower Upper

237 100

235 0.0 50.4 90.4#

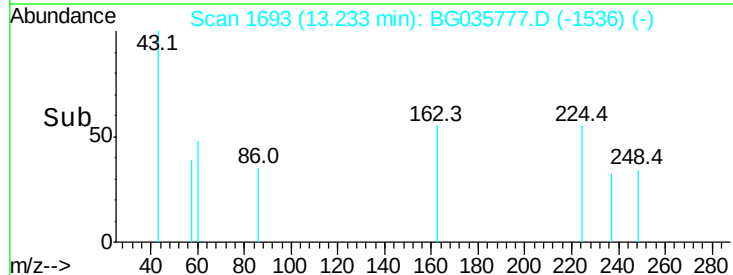
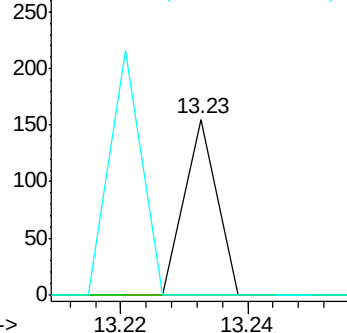
272 0.0 0.0 31.8

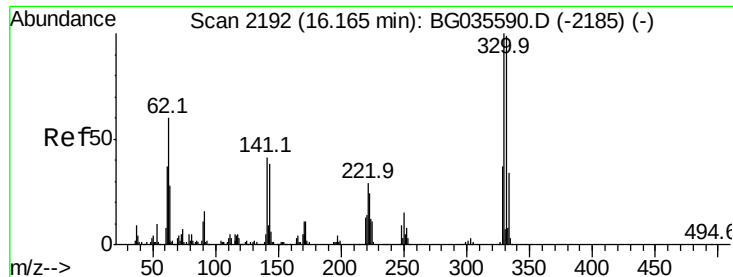


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

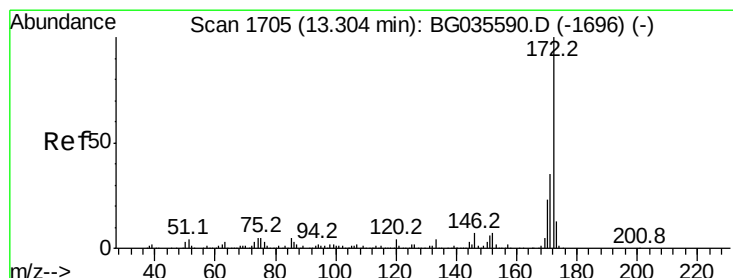
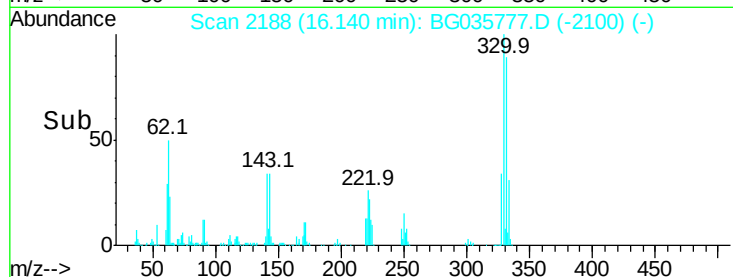
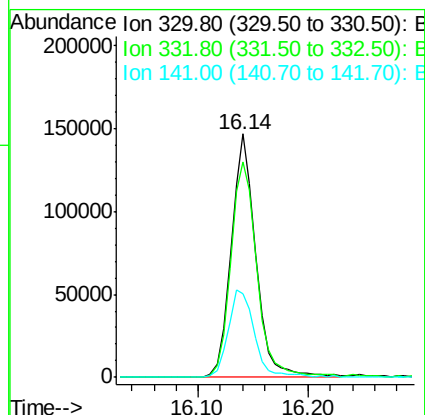
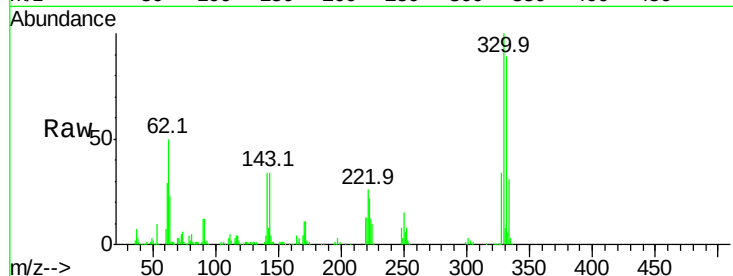




#41
2,4,6-Tribromophenol
Concen: 158.725 ng
RT: 16.14 min Scan# 2188
Delta R.T. -0.01 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

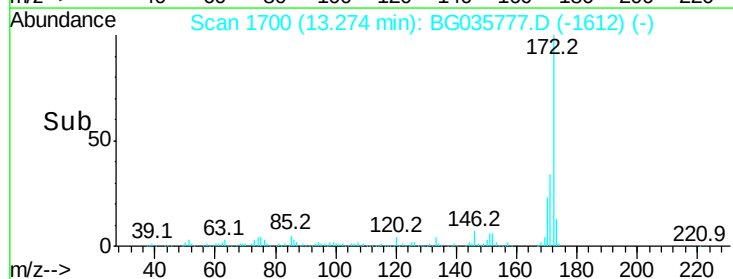
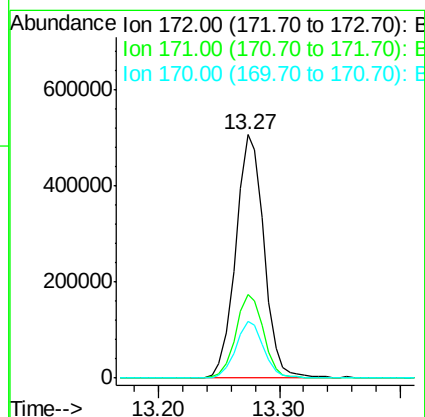
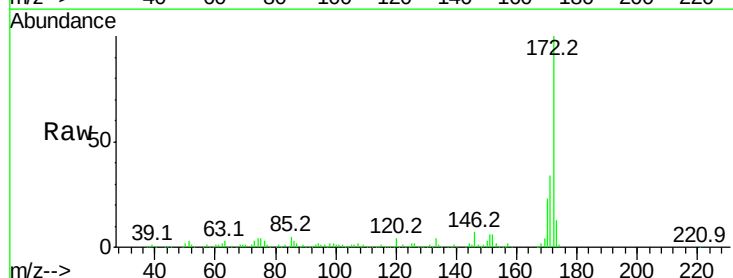
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-4

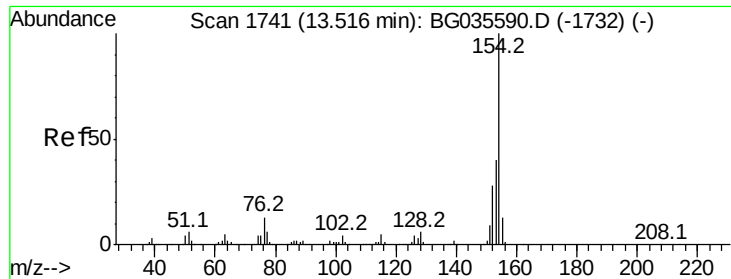
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.0	115.6
141	38.3	25.2	37.8#



#44
2-Fluorobiphenyl
Concen: 100.981 ng
RT: 13.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	30.0	45.0
170	23.4	19.5	29.3

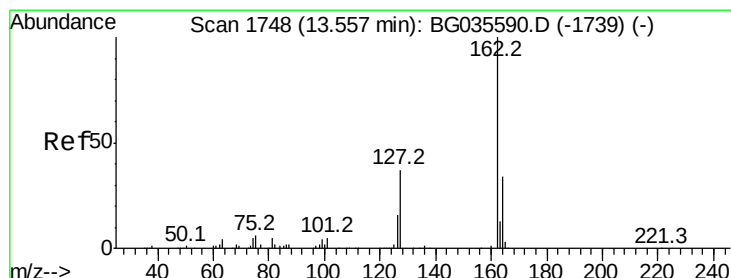
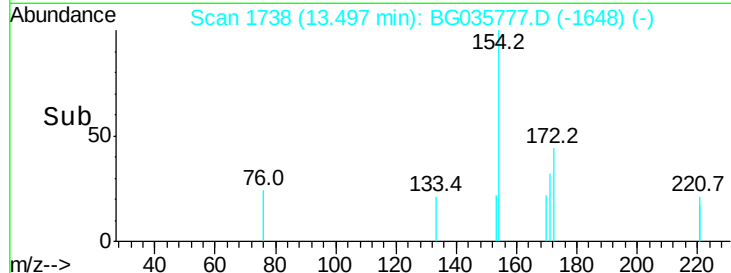
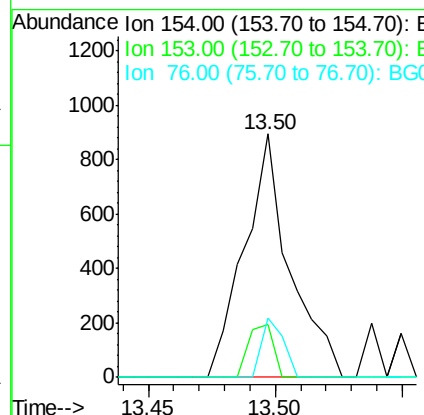
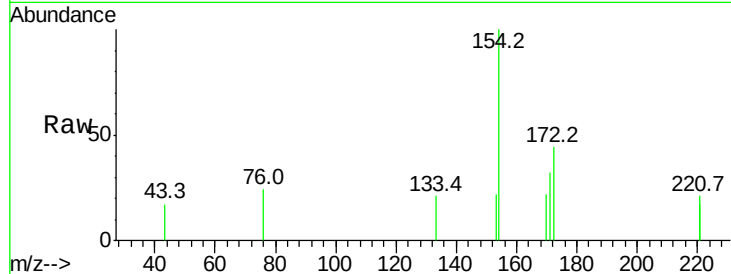




#45
 1,1'-Biphenyl
 Concen: 0.132 ng
 RT: 13.50 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

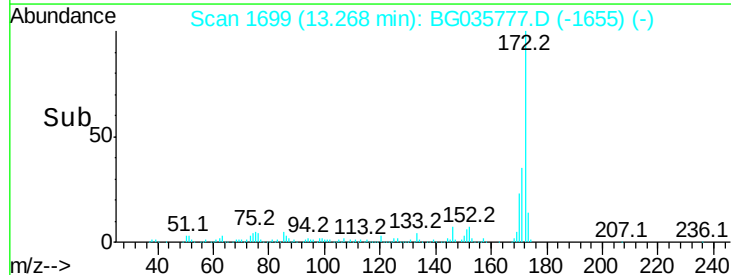
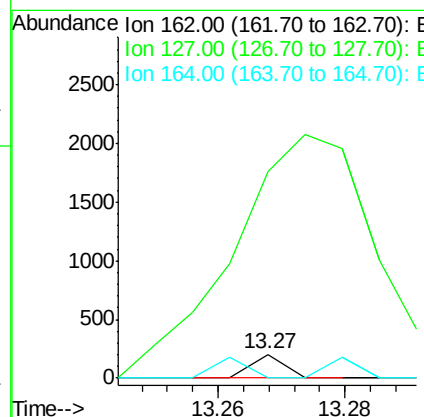
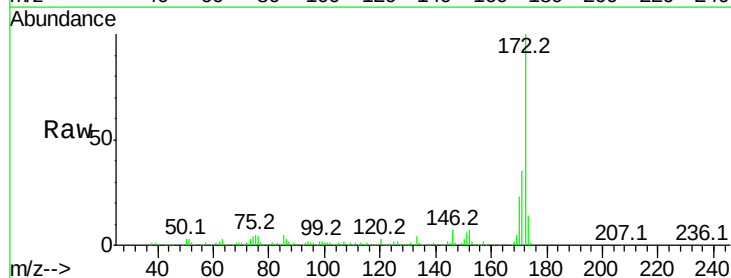
Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-4

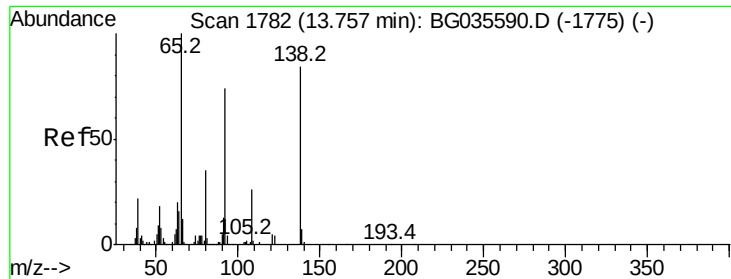
Tot Ion	Ratio	Lower	Upper
154	100		
153	21.7	19.8	59.8
76	24.2	0.0	31.9



#46
 2-Chloronaphthalene
 Concen: 0.011 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.27 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

Tgt Ion	Ratio	Lower	Upper
162	100		
127	877.1	30.7	46.1#
164	0.0	26.0	39.0#

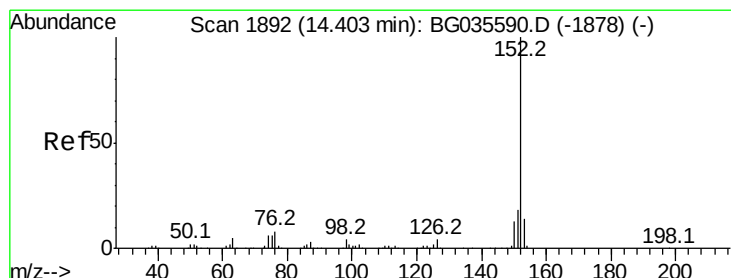
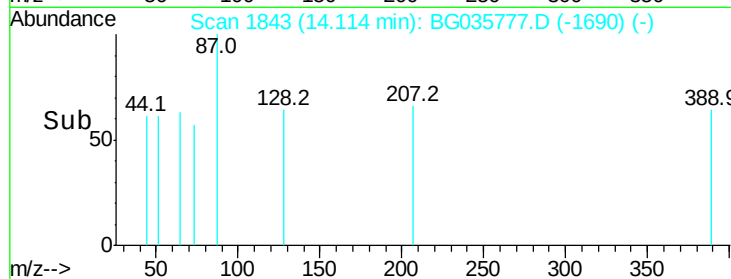
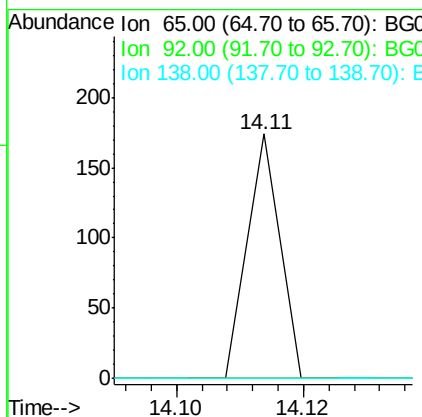
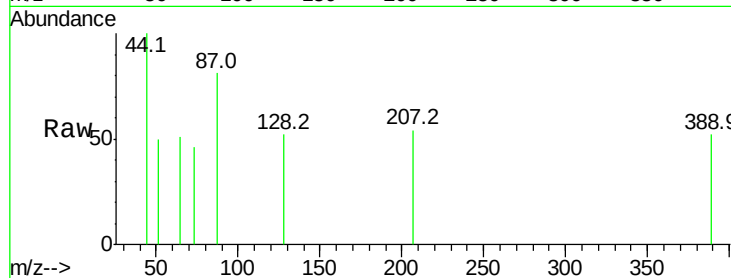




#47
2-Nitroaniline
Concen: 0.026 ng
RT: 14.11 min Scan# 1843
Delta R.T. 0.37 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

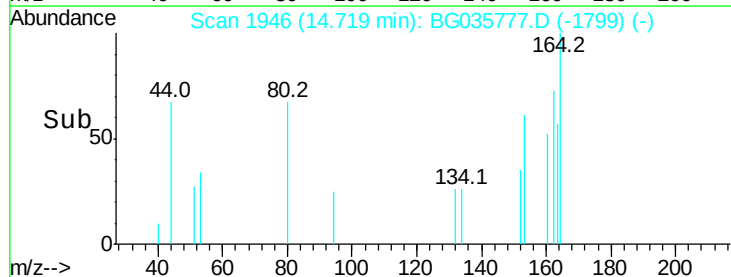
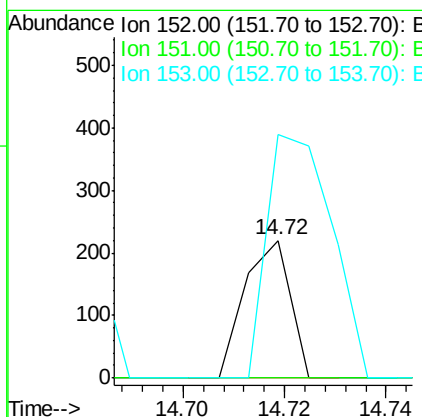
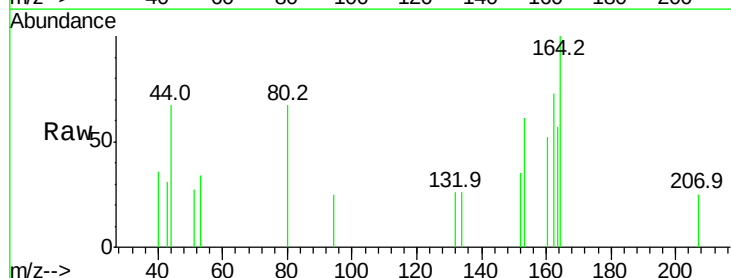
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-4

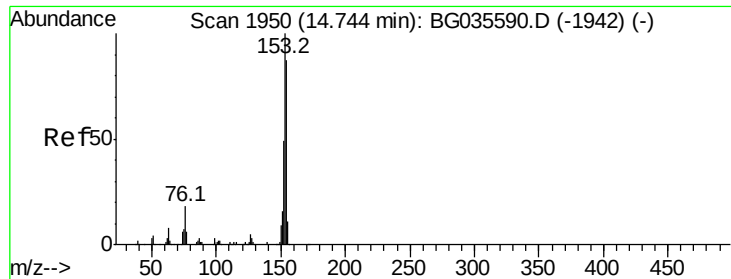
Tot Ion: 65 Resp: 61
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#



#48
Acenaphthylene
Concen: 0.012 ng
RT: 14.72 min Scan# 1946
Delta R.T. 0.33 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Tgt Ion: 152 Resp: 137
Ion Ratio Lower Upper
152 100
151 0.0 17.2 25.8#
153 176.8 10.2 15.4#





#51

Acenaphthene

Concen: 0.021 ng

RT: 14.71 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

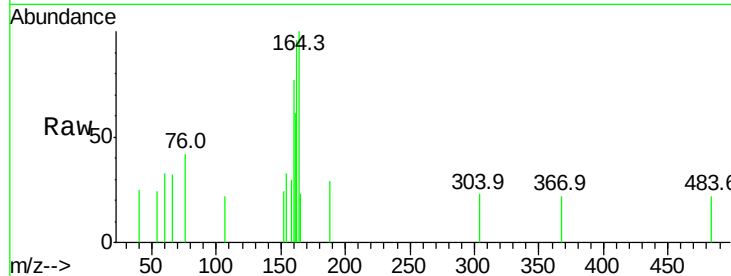
Tot Ion:154 Resp: 146

Ion Ratio Lower Upper

154 100

153 0.0 90.4 135.6#

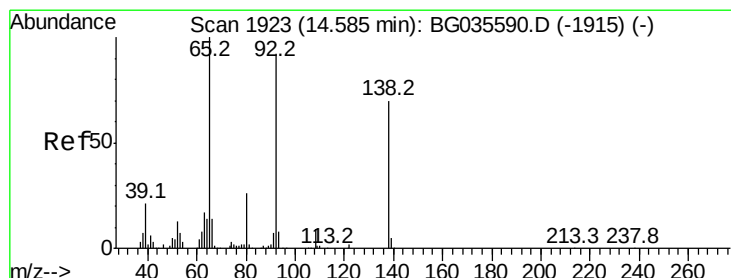
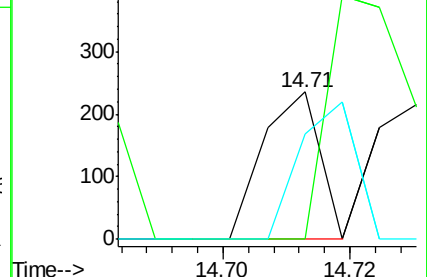
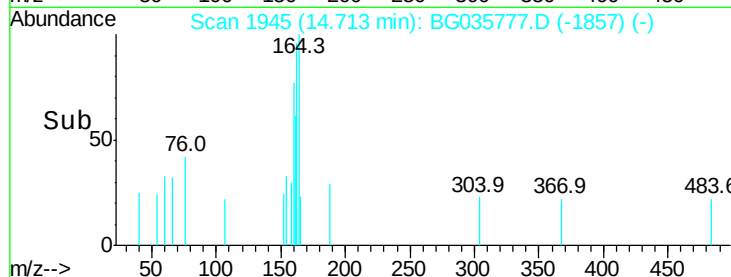
152 71.9 41.6 62.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 0.028 ng

RT: 14.78 min Scan# 1957

Delta R.T. 0.22 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

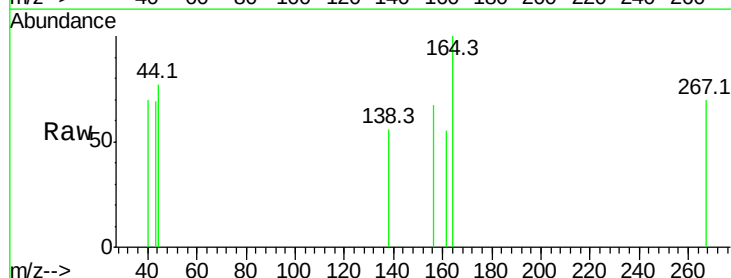
Tgt Ion:138 Resp: 55

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

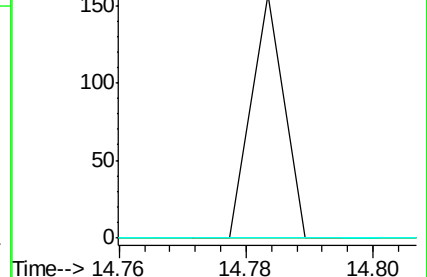
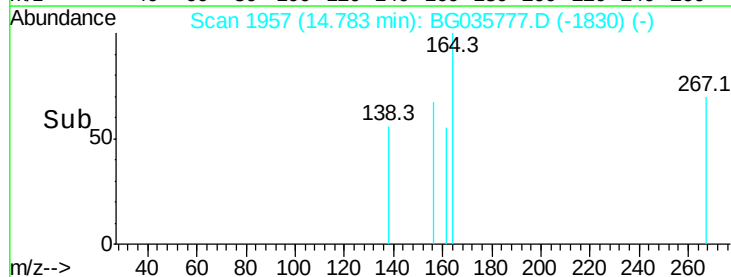
92 0.0 105.8 158.8#

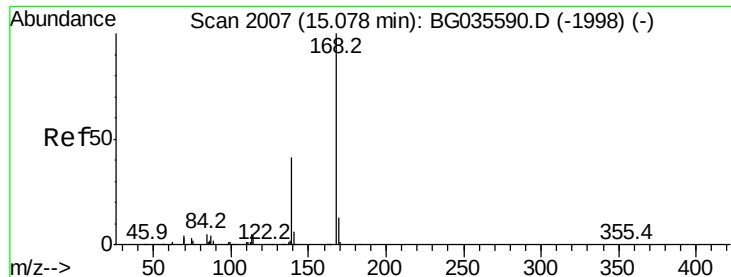


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG





#54

Dibenzofuran

Concen: 0.005 ng

RT: 15.09 min Scan# 2010

Delta R.T. 0.03 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

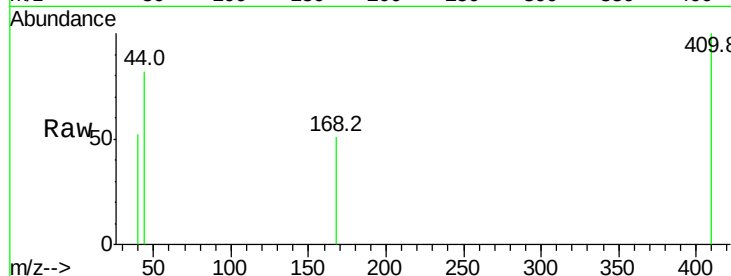
Tot Ion:168 Resp: 58

Ion Ratio Lower Upper

168 100

139 0.0 28.6 43.0#

169 0.0 11.2 16.8#

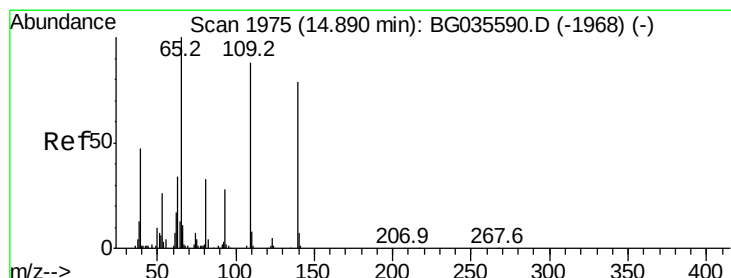
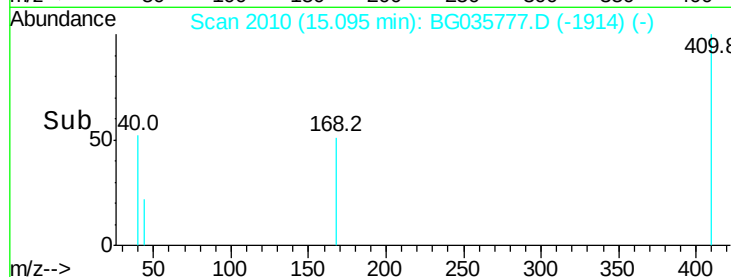
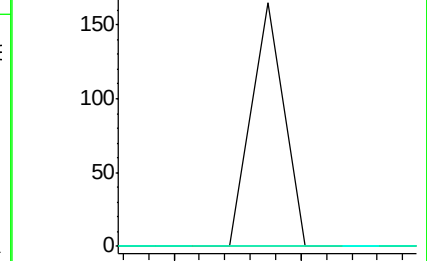


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

15.09



#55

4-Nitrophenol

Concen: 0.048 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.21 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

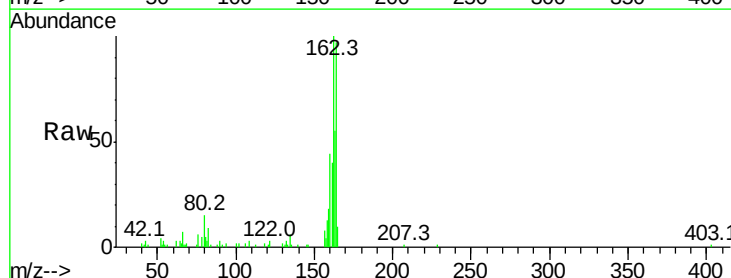
Tgt Ion:139 Resp: 68

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

65 145.3 97.2 137.2#

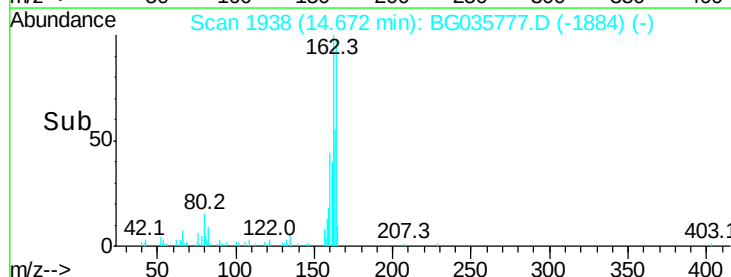
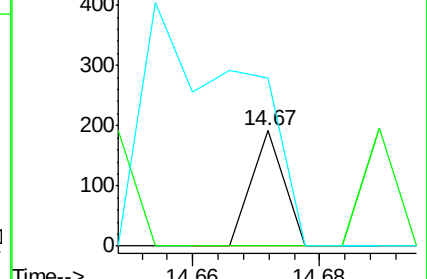


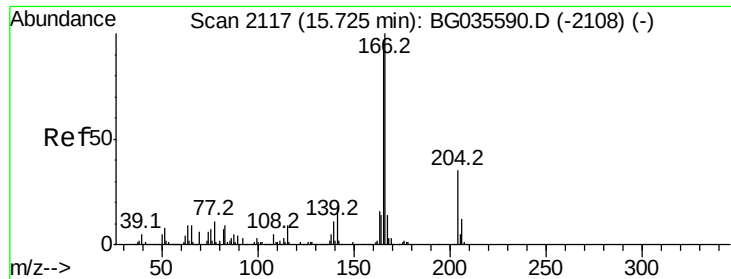
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

14.67





#57

Fluorene

Concen: 0.902 ng

RT: 16.14 min Scan# 2188

Delta R.T. 0.43 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

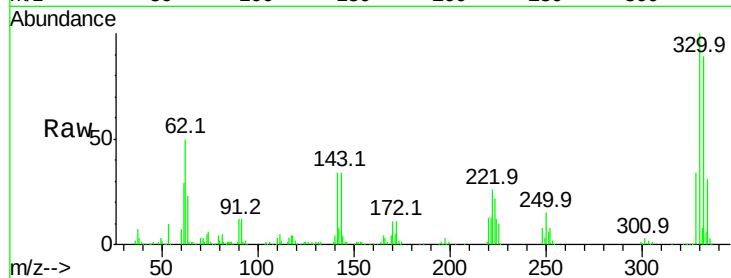
Tot Ion:166 Resp: 8286

Ion Ratio Lower Upper

166 100

165 116.2 80.6 121.0

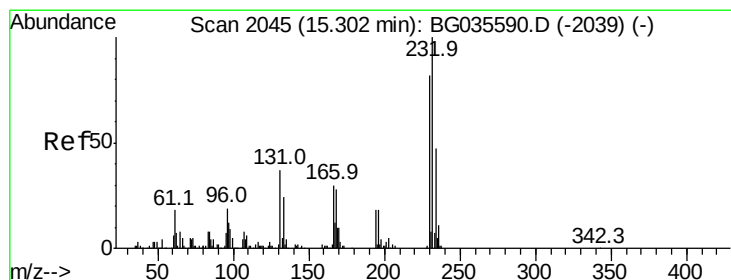
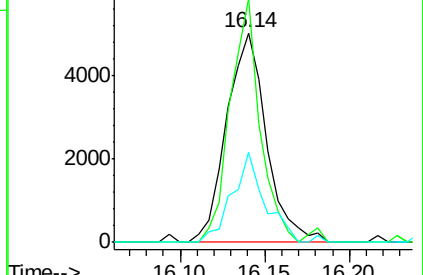
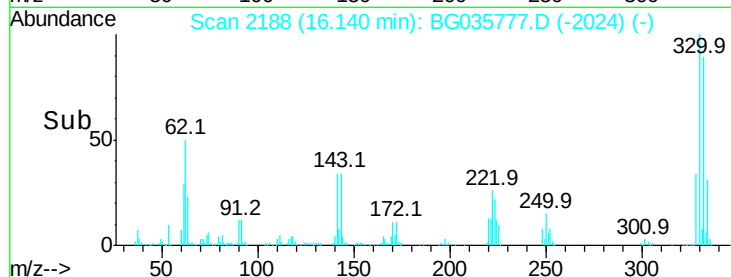
167 42.7 10.4 15.6#



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: 0.025 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.51 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Tgt Ion:232 Resp: 64

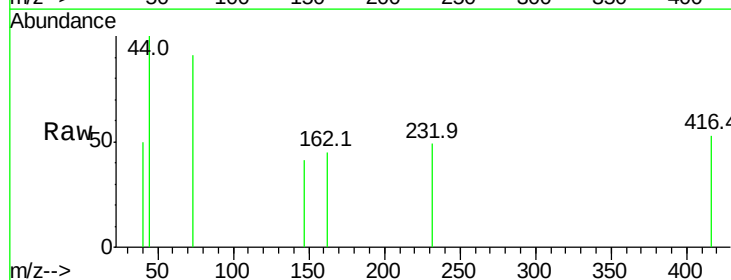
Ion Ratio Lower Upper

232 100

131 0.0 33.5 50.3#

130 0.0 2.2 3.2#

166 0.0 24.8 37.2#

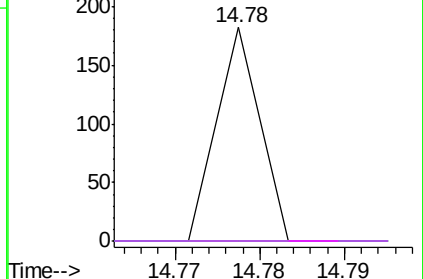
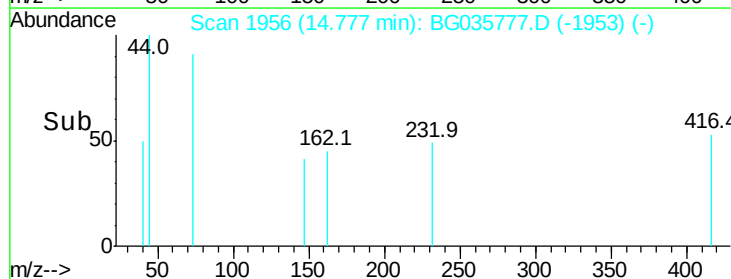


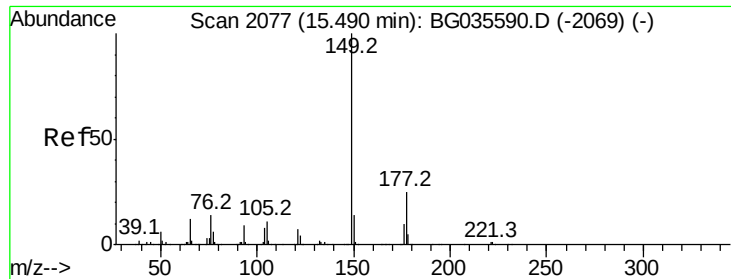
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

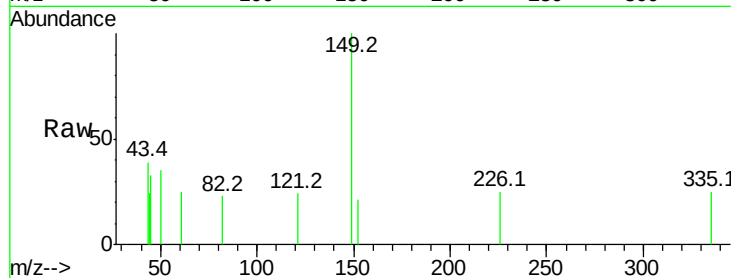




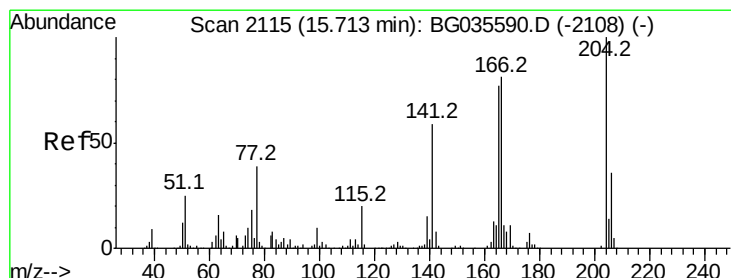
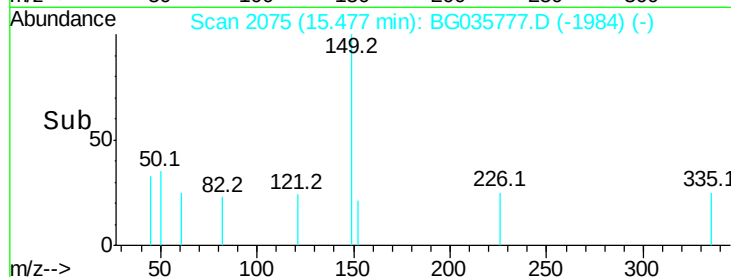
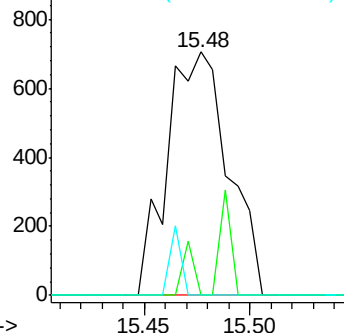
#59
Diethylphthalate
Concen: 0.144 ng
RT: 15.48 min Scan# 2075
Delta R.T. 0.00 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-4

Tot Ion:149 Resp: 1423
Ion Ratio Lower Upper
149 100
177 0.0 18.5 27.7#
150 0.0 10.2 15.2#

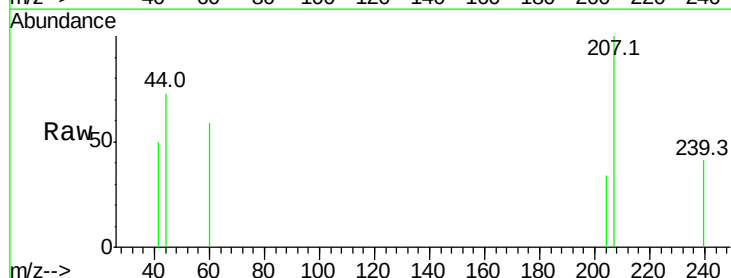


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

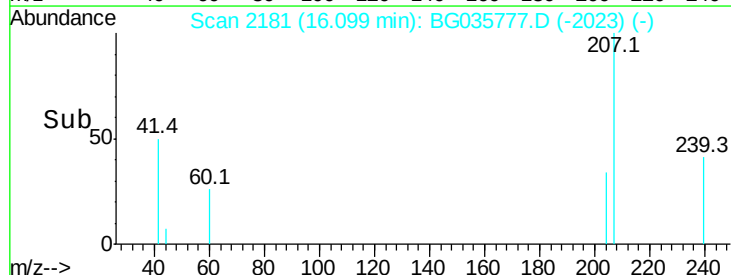
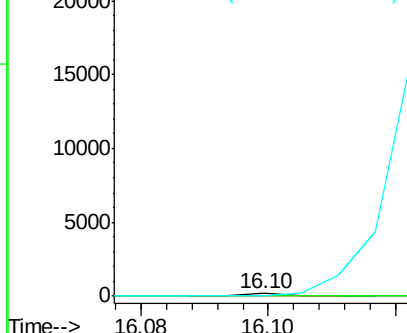


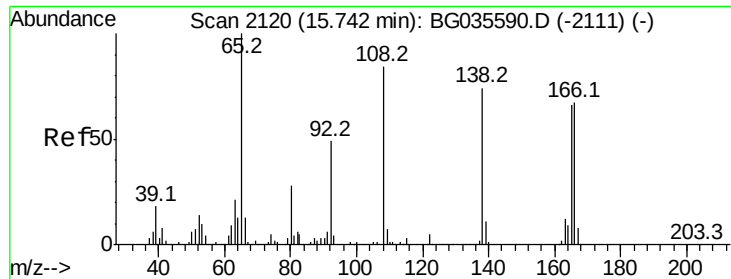
#60
4-Chlorophenyl-phenylether
Concen: 0.010 ng
RT: 16.10 min Scan# 2181
Delta R.T. 0.40 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Tgt Ion:204 Resp: 56
Ion Ratio Lower Upper
204 100
206 0.0 26.2 39.2#
141 0.0 45.8 68.6#



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

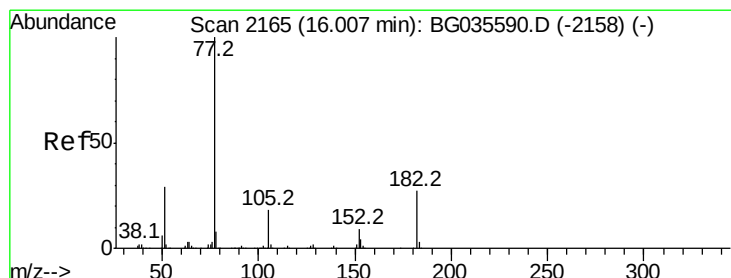
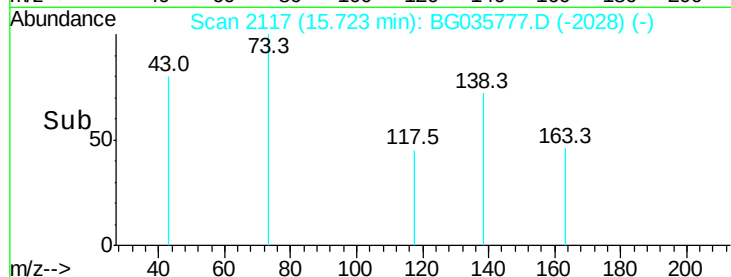
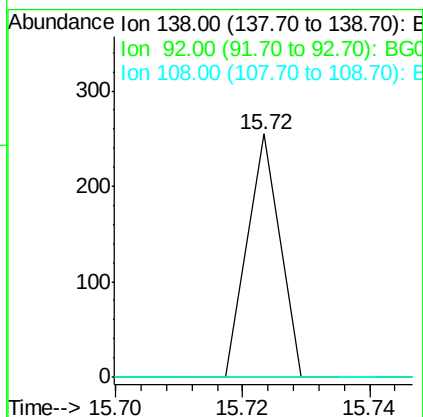
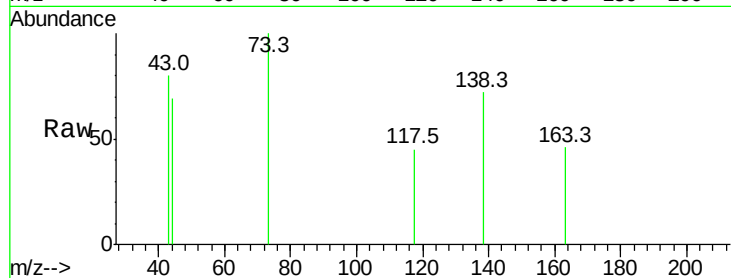




#61
4-Nitroaniline
Concen: 0.043 ng
RT: 15.72 min Scan# 2117
Delta R.T. -0.01 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

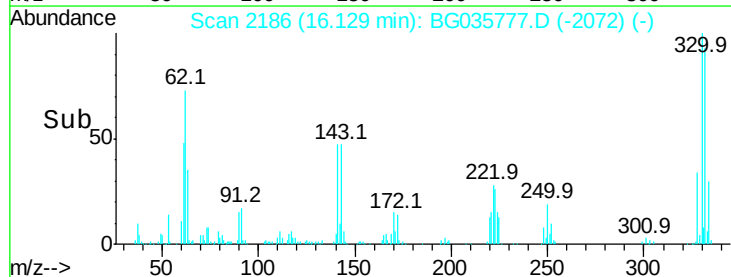
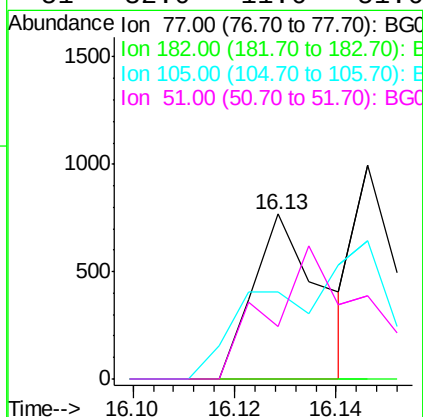
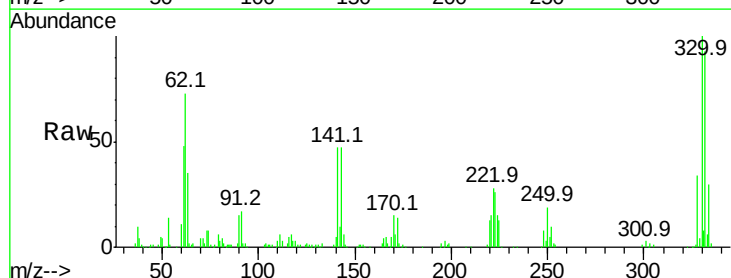
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-4

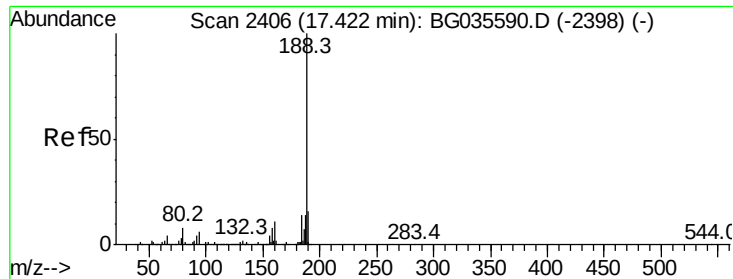
Tot Ion:138 Resp: 90
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#



#62
Azobenzene
Concen: 0.072 ng
RT: 16.13 min Scan# 2186
Delta R.T. 0.14 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Tgt Ion: 77 Resp: 702
Ion Ratio Lower Upper
77 100
182 0.0 7.4 47.4#
105 52.7 0.3 40.3#
51 32.0 11.6 51.6

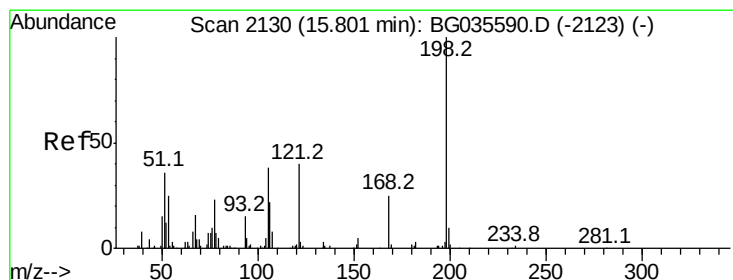
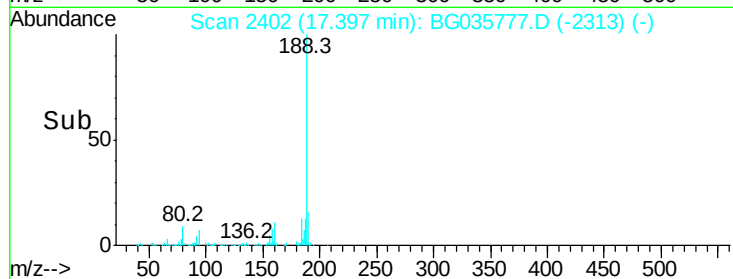
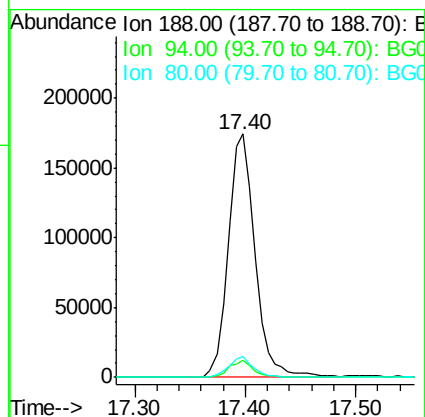
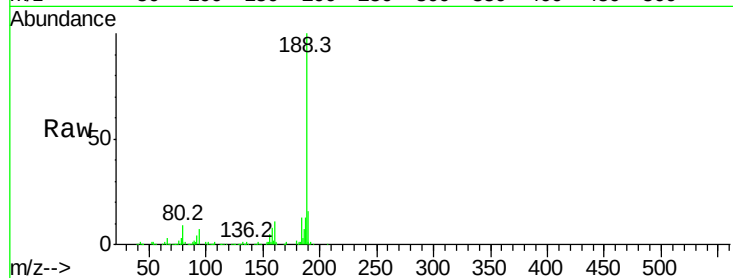




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2402
Delta R.T. -0.01 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

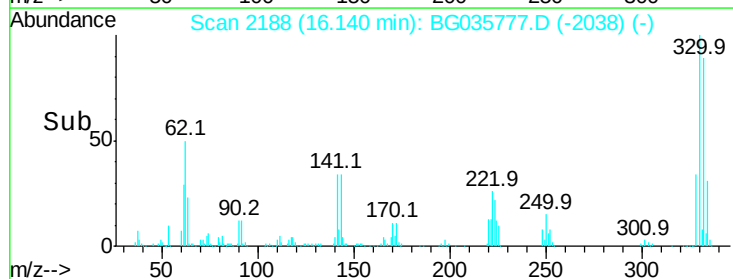
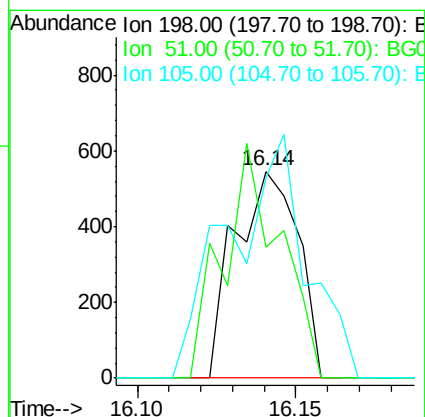
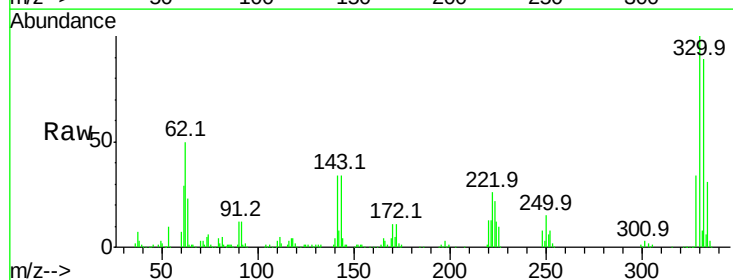
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-4

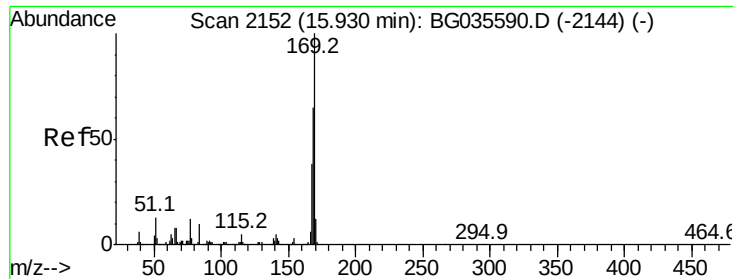
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.9	10.3
80	8.7	7.7	11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 0.457 ng
RT: 16.14 min Scan# 2188
Delta R.T. 0.35 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Tgt Ion	Ratio	Lower	Upper
198	100		
51	63.1	30.6	70.6
105	96.5	23.8	63.8#





#65

n-Nitrosodiphenylamine

Concen: 1.138 ng

RT: 16.14 min Scan# 2188

Delta R.T. 0.23 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

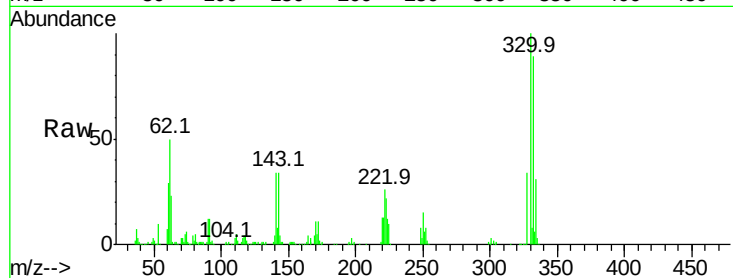
Tot Ion:169 Resp: 9614

Ion Ratio Lower Upper

169 100

168 0.0 55.7 83.5#

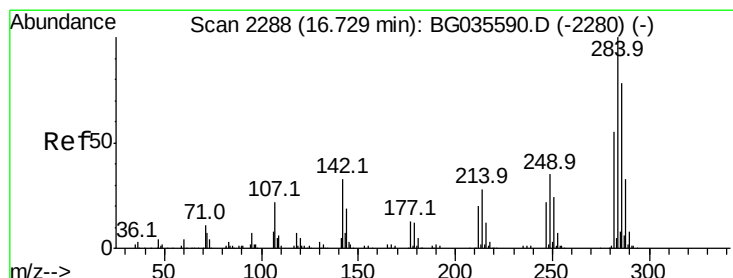
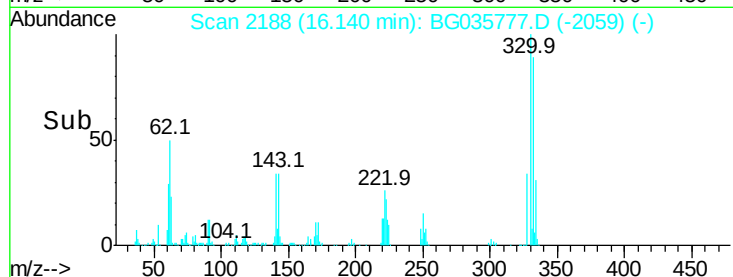
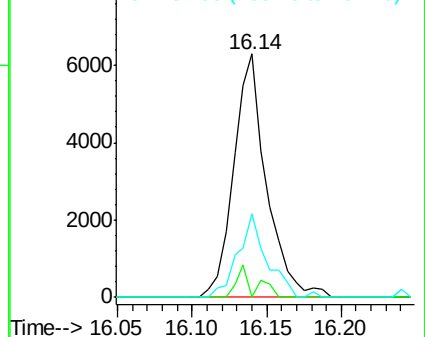
167 34.2 30.1 45.1



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#67

Hexachlorobenzene

Concen: 0.016 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.29 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

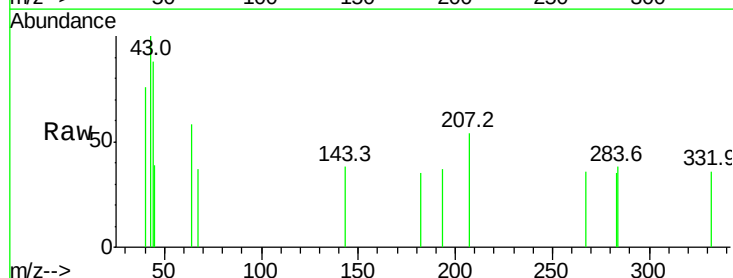
Tgt Ion:284 Resp: 58

Ion Ratio Lower Upper

284 100

142 0.0 26.8 40.2#

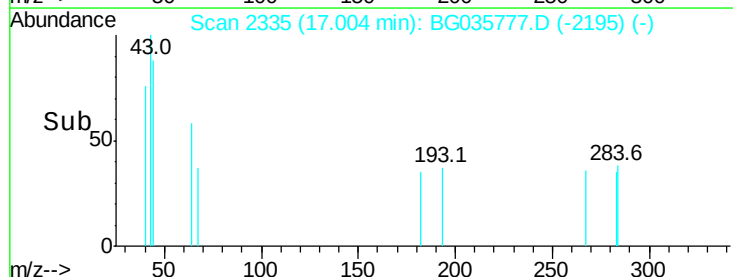
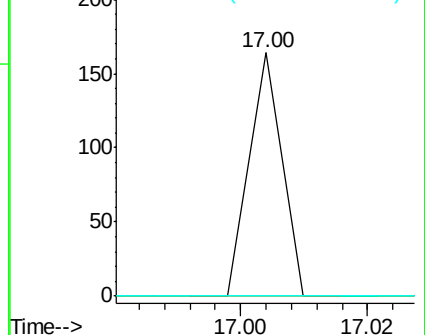
249 0.0 26.3 39.5#

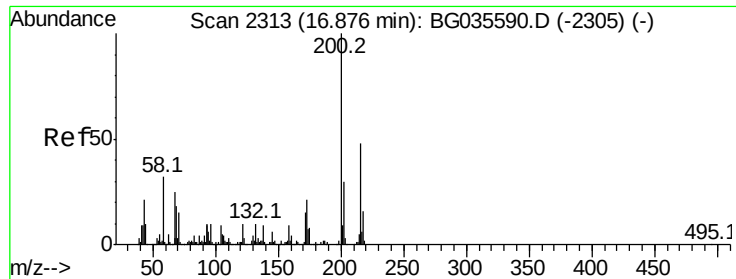


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#68

Atrazine

Concen: 0.020 ng

RT: 16.38 min Scan# 2228

Delta R.T. -0.48 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampled :

LS-SOIL-4

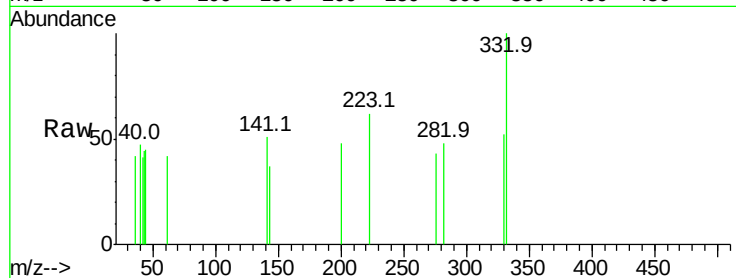
Tot Ion:200 Resp: 70

Ion Ratio Lower Upper

200 100

173 0.0 5.2 45.2#

215 0.0 30.4 70.4#



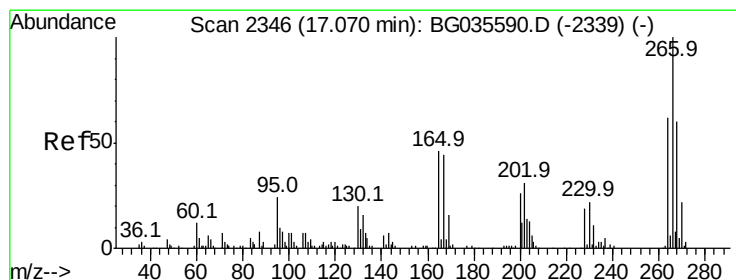
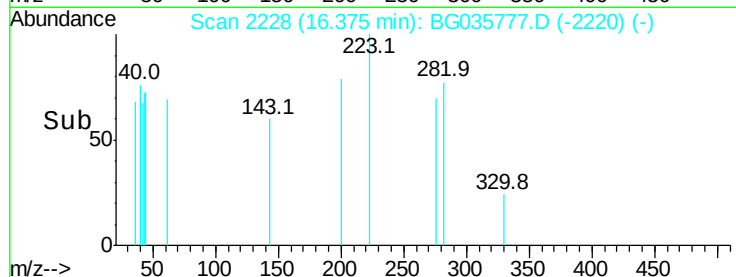
Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

16.38

Time-->



#69

Pentachlorophenol

Concen: 0.033 ng

RT: 17.24 min Scan# 2376

Delta R.T. 0.19 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

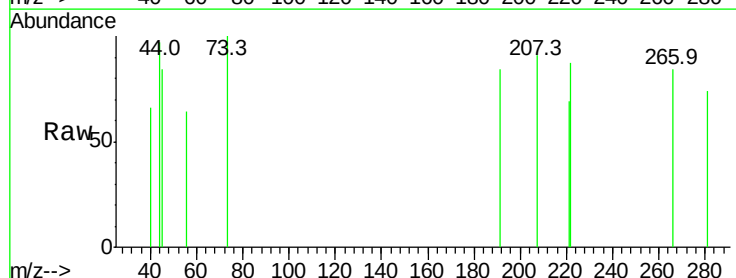
Tgt Ion:266 Resp: 71

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

264 0.0 49.6 74.4#



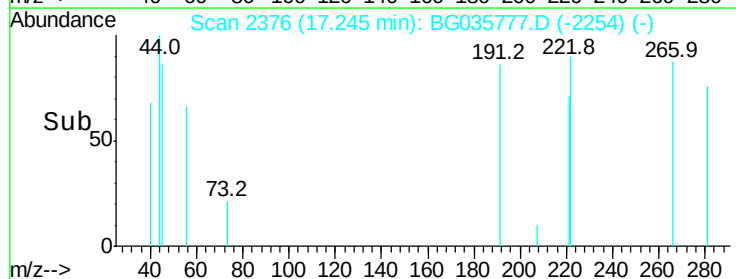
Abundance Ion 265.70 (265.40 to 266.40): E

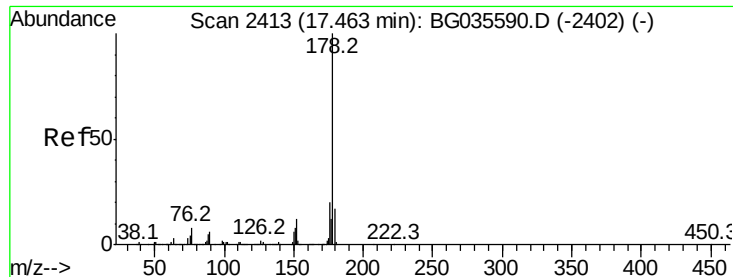
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

17.24

Time-->





#70

Phenanthrene

Concen: 0.035 ng

RT: 17.43 min Scan# 2408

Delta R.T. -0.02 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

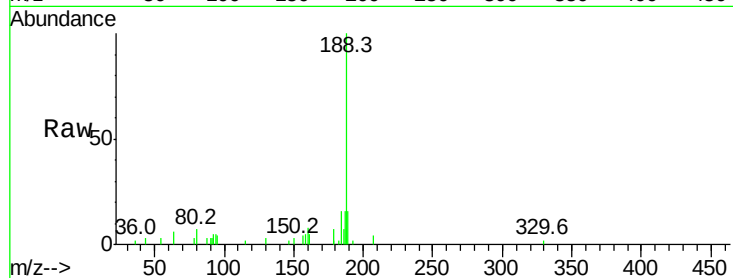
Tot Ion:178 Resp: 517

Ion Ratio Lower Upper

178 100

176 0.0 15.7 23.5#

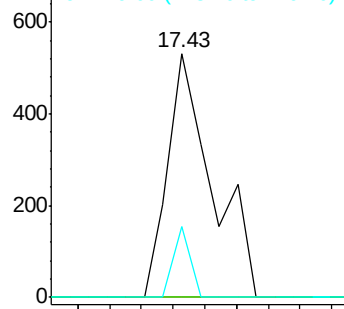
179 28.8 12.5 18.7#



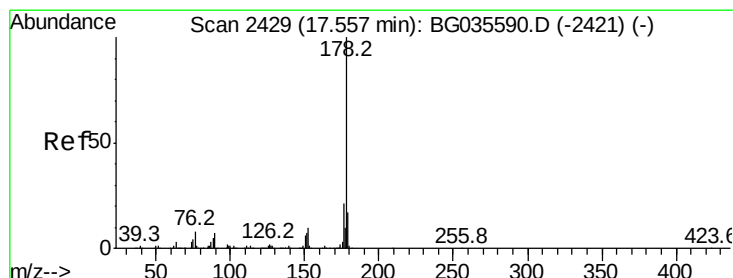
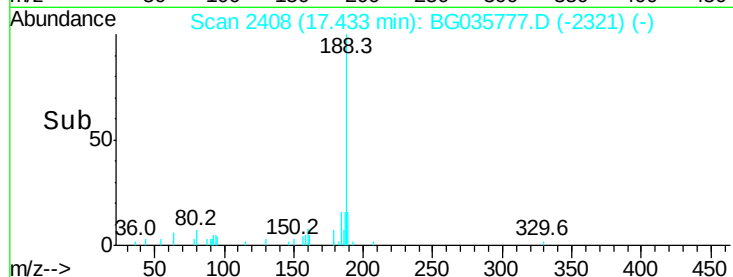
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 0.035 ng

RT: 17.43 min Scan# 2408

Delta R.T. -0.11 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

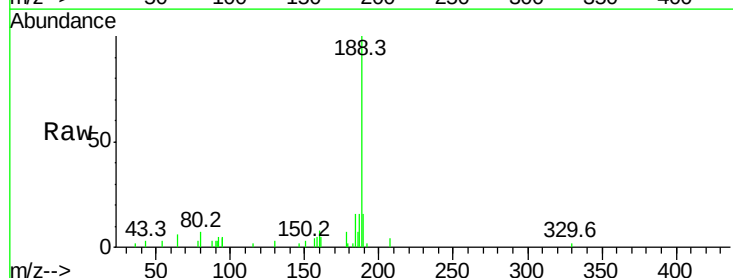
Tgt Ion:178 Resp: 517

Ion Ratio Lower Upper

178 100

176 0.0 16.0 24.0#

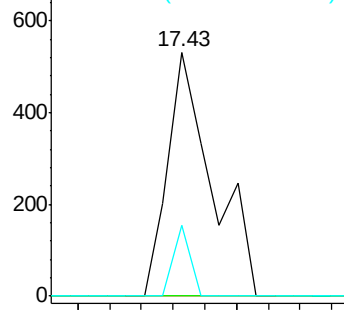
179 28.8 12.5 18.7#



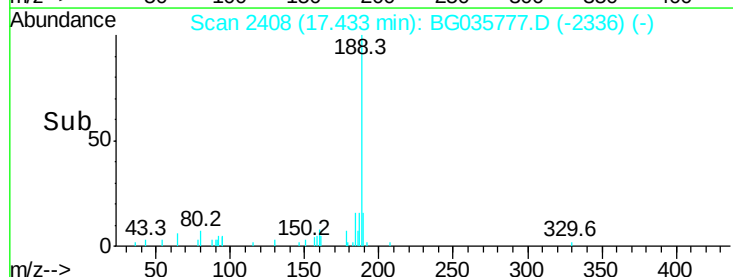
Abundance Ion 178.00 (177.70 to 178.70): E

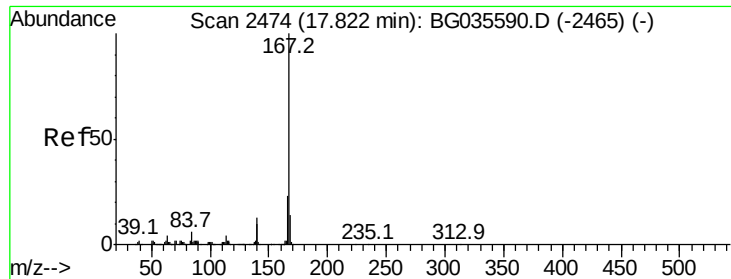
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#72

Carbazole

Concen: 0.009 ng

RT: 17.87 min Scan# 2483

Delta R.T. 0.06 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

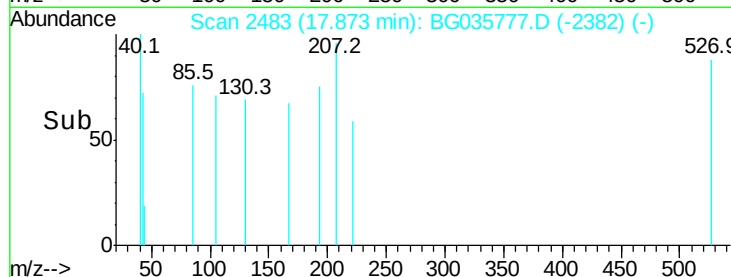
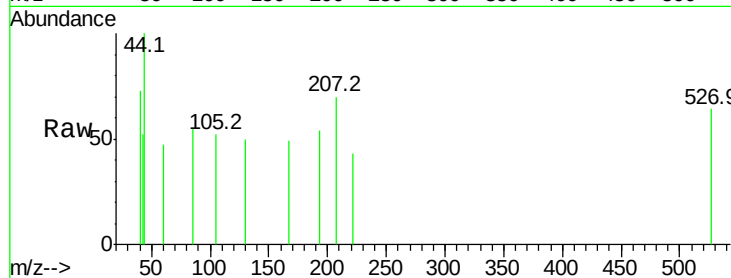
Tot Ion:167 Resp: 120

Ion Ratio Lower Upper

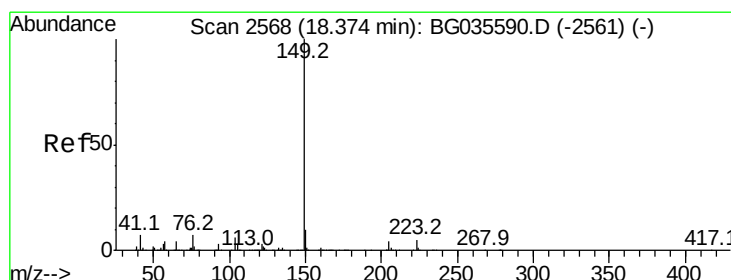
167 100

166 0.0 18.2 27.4#

139 0.0 9.4 14.2#



Time-->



#73

Di-n-butylphthalate

Concen: 0.053 ng

RT: 18.37 min Scan# 2567

Delta R.T. 0.00 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

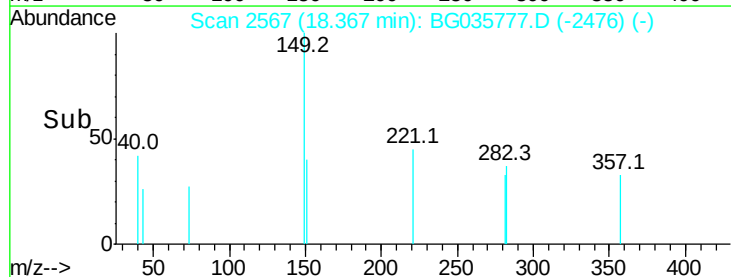
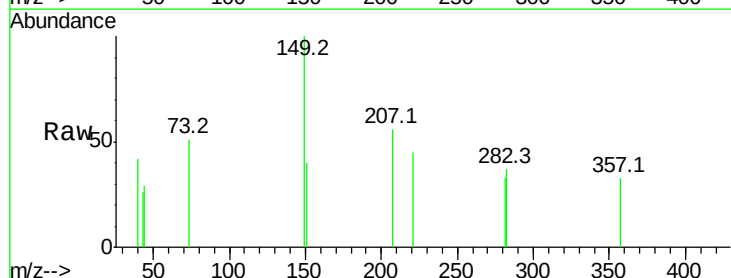
Tgt Ion:149 Resp: 870

Ion Ratio Lower Upper

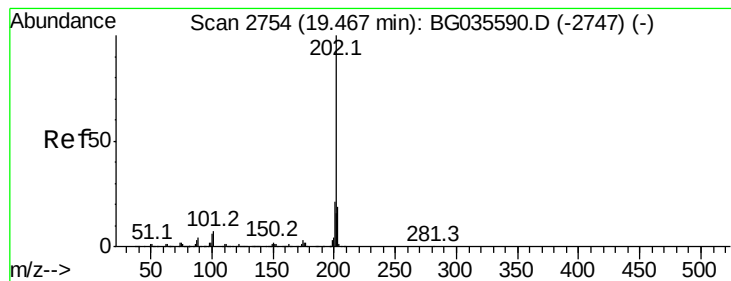
149 100

150 0.0 7.8 11.6#

104 0.0 3.9 5.9#



Time-->



#74

Fluoranthene

Concen: 0.028 ng

RT: 19.47 min Scan# 2755

Delta R.T. 0.02 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

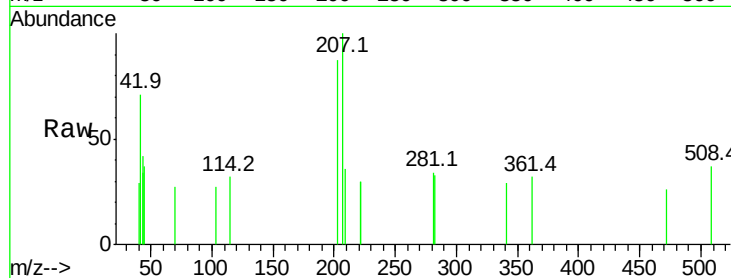
Tot Ion:202 Resp: 560

Ion Ratio Lower Upper

202 100

101 0.0 0.0 28.9

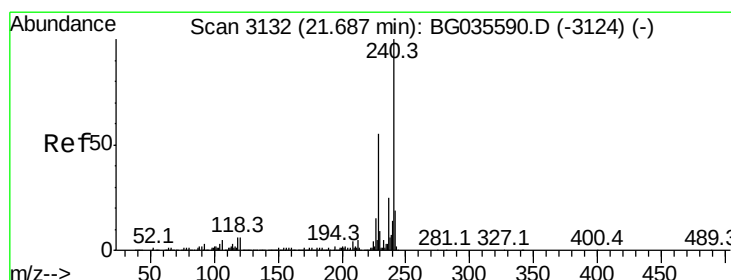
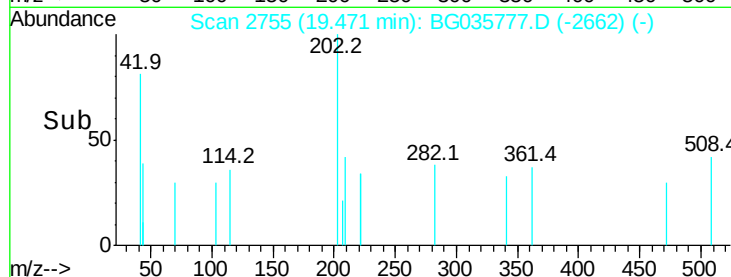
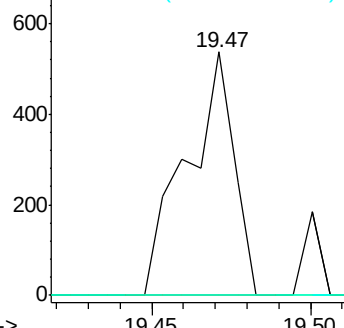
203 0.0 0.0 37.5



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: 21.66 min Scan# 3127

Delta R.T. -0.02 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

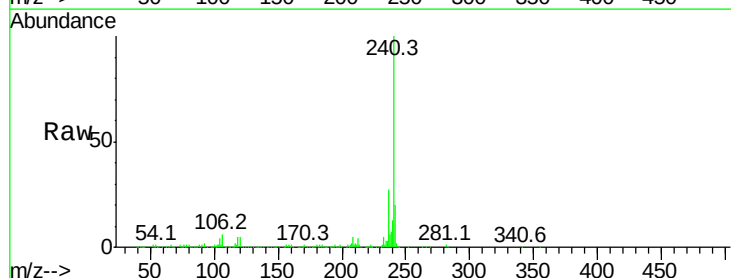
Tgt Ion:240 Resp: 342935

Ion Ratio Lower Upper

240 100

120 5.5 6.8 10.2#

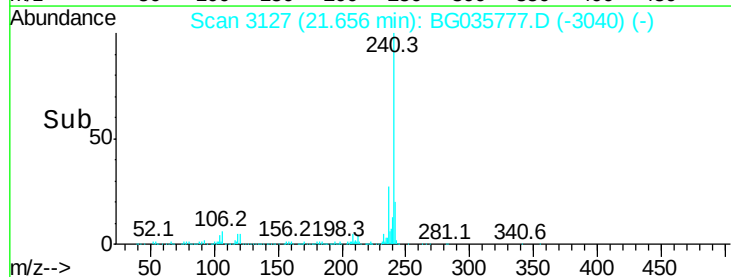
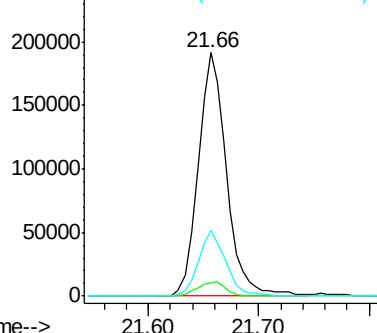
236 26.9 20.9 31.3

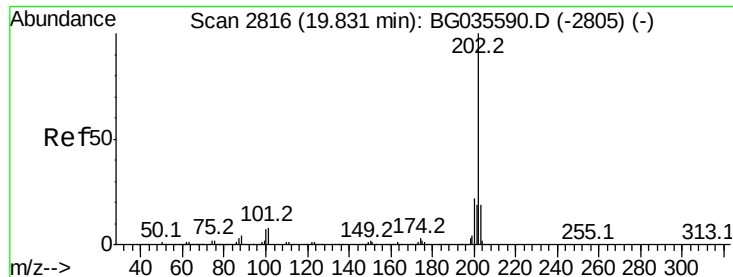


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 0.044 ng

RT: 19.82 min Scan# 2815

Delta R.T. 0.01 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

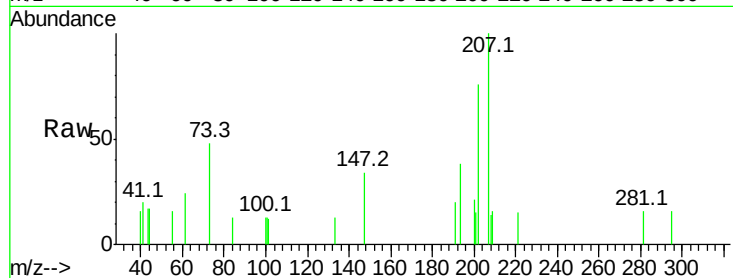
Tot Ion:202 Resp: 952

Ion Ratio Lower Upper

202 100

200 27.0 16.9 25.3#

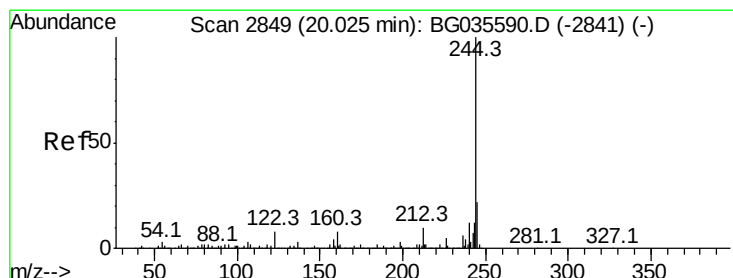
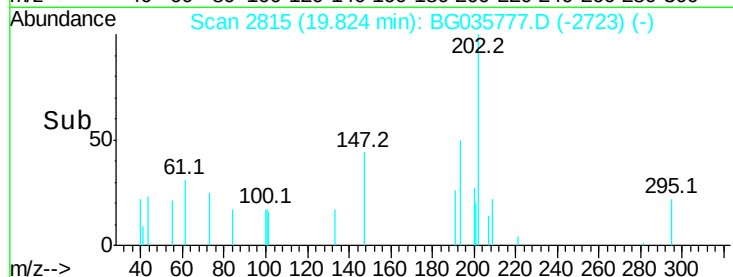
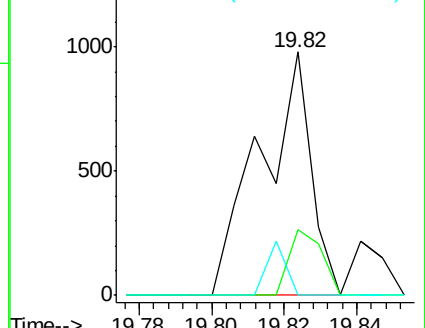
203 0.0 13.9 20.9#



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: 102.101 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

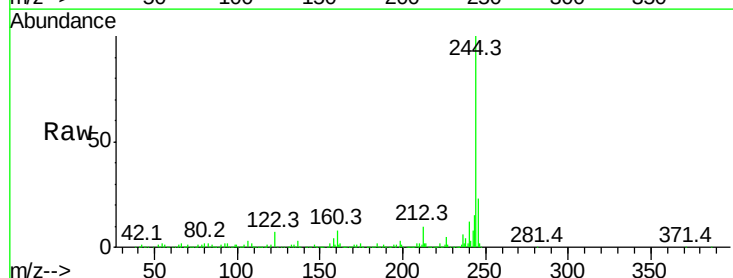
Tgt Ion:244 Resp: 1588447

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

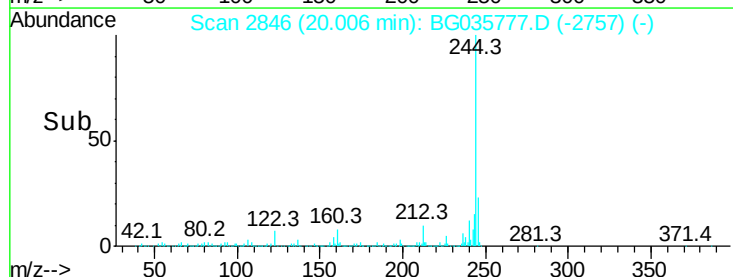
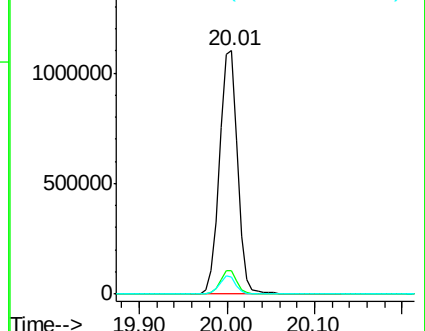
122 7.1 7.0 10.4

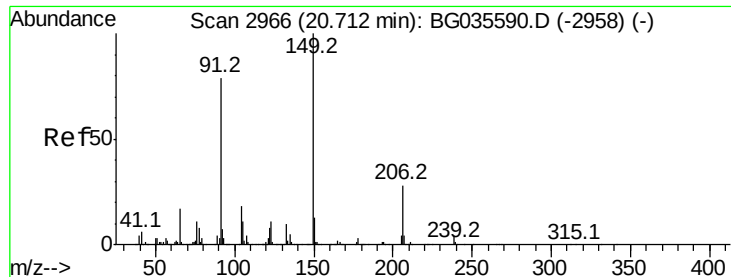


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

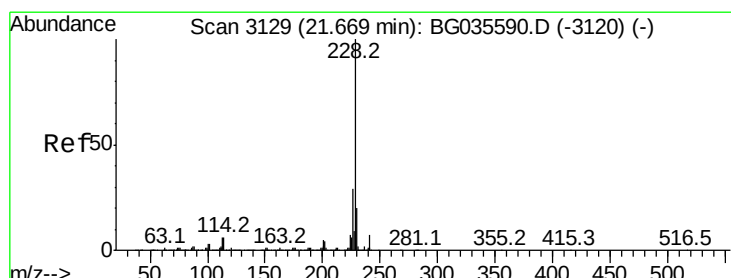
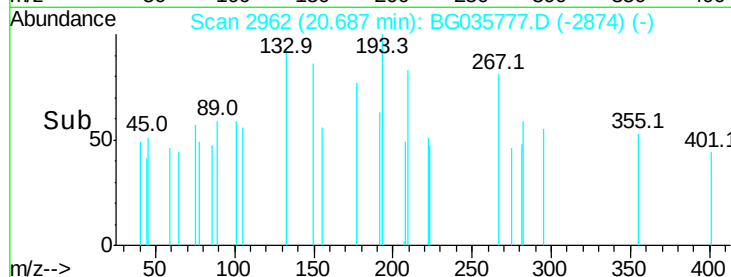
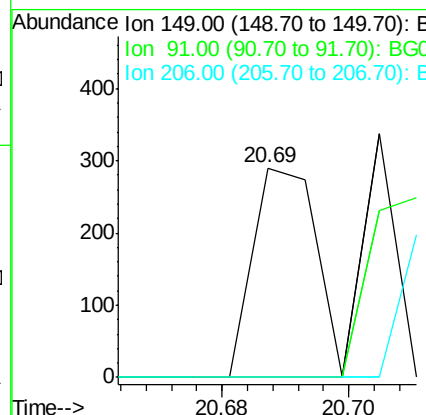
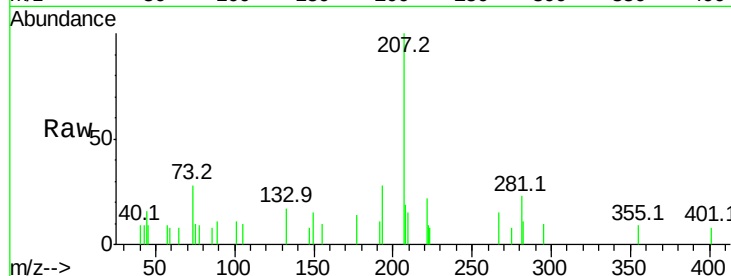




#79
Butylbenzylphthalate
Concen: 0.026 ng
RT: 20.69 min Scan# 2962
Delta R.T. -0.01 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

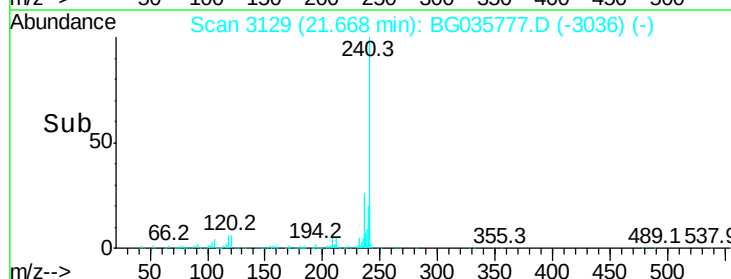
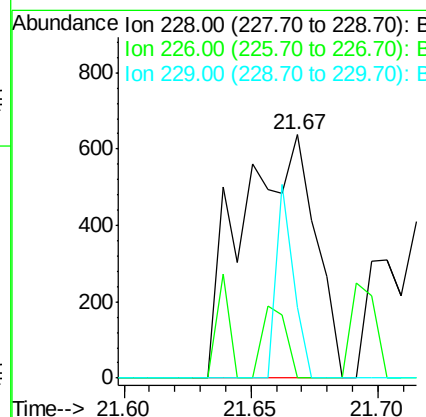
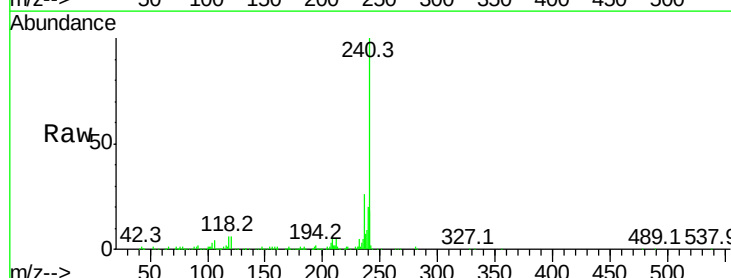
Instrument :
BNA_G
ClientSampleId :
LS-SOIL-4

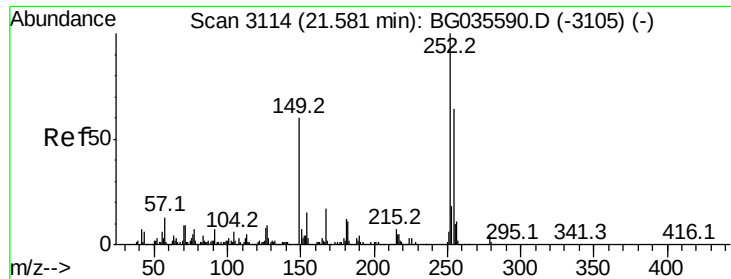
Tot Ion:149 Resp: 199
Ion Ratio Lower Upper
149 100
91 0.0 62.2 93.2#
206 0.0 18.6 27.8#



#80
Benzo(a)anthracene
Concen: 0.060 ng
RT: 21.67 min Scan# 3129
Delta R.T. 0.02 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Tgt Ion:228 Resp: 1290
Ion Ratio Lower Upper
228 100
226 0.0 22.7 34.1#
229 29.3 16.2 24.2#

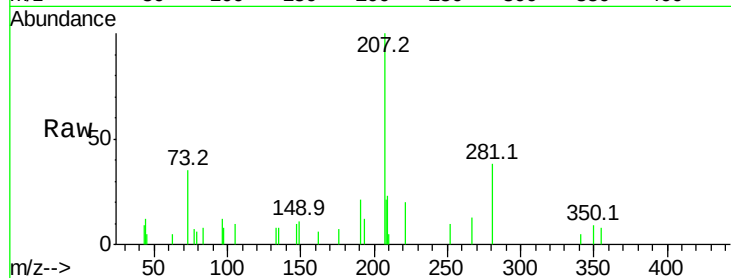




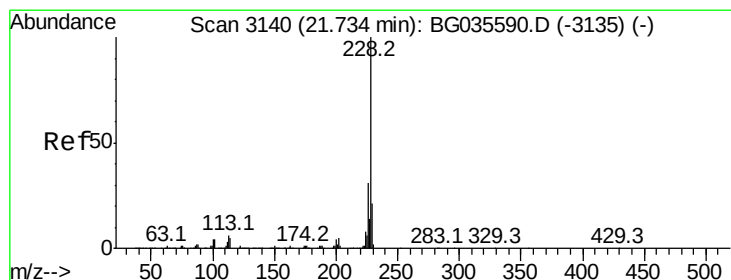
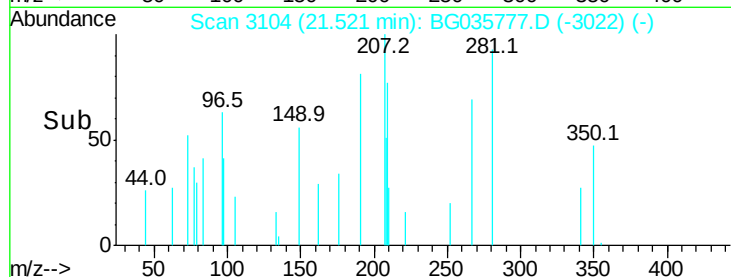
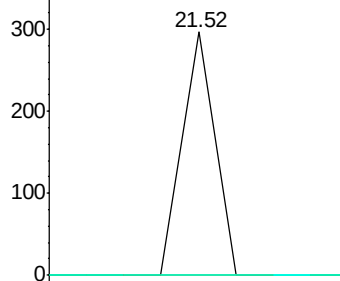
#81
 3,3'-Dichlorobenzidine
 Concen: 0.014 ng
 RT: 21.52 min Scan# 3104
 Delta R.T. -0.05 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-4

Tot Ion:252 Resp: 105
 Ion Ratio Lower Upper
 252 100
 254 0.0 50.8 76.2#
 126 0.0 7.4 11.2#

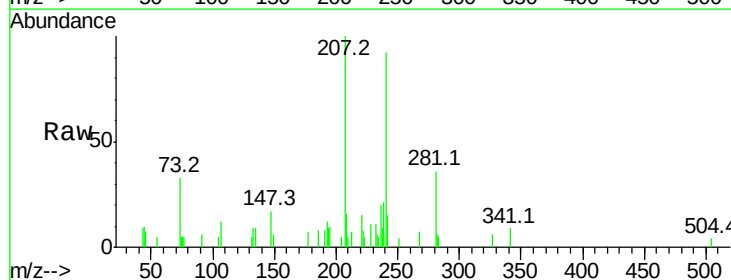


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

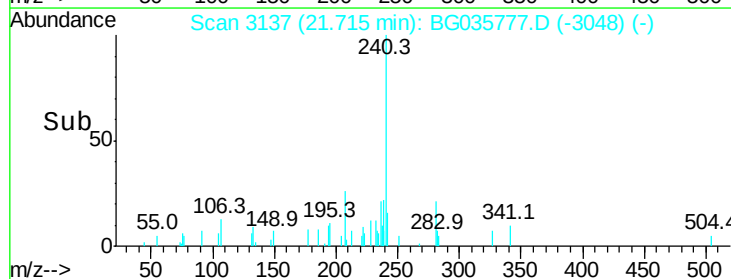
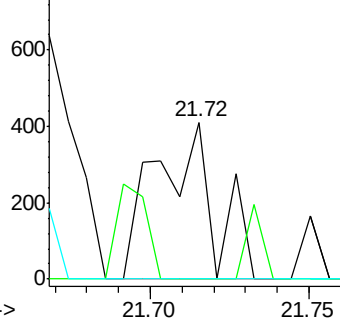


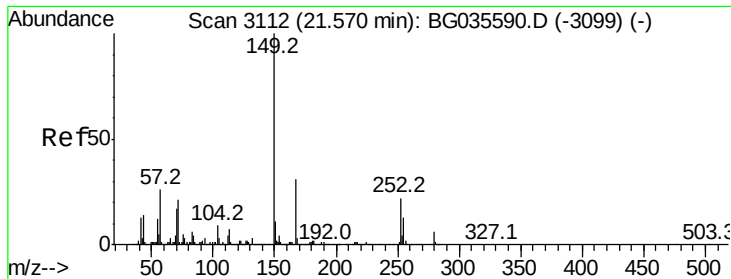
#82
 Chrysene
 Concen: 0.027 ng
 RT: 21.72 min Scan# 3137
 Delta R.T. -0.01 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

Tgt Ion:228 Resp: 535
 Ion Ratio Lower Upper
 228 100
 226 0.0 24.9 37.3#
 229 0.0 15.0 22.4#



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

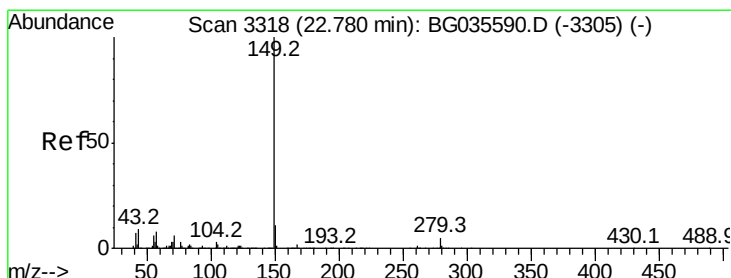
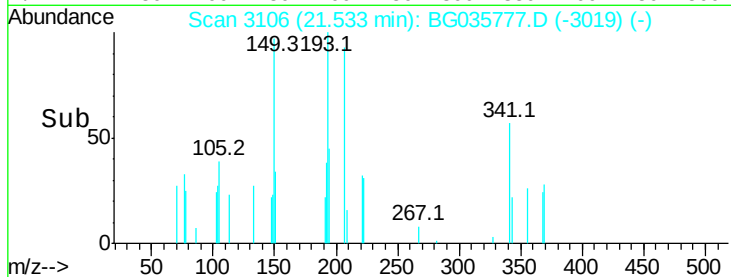
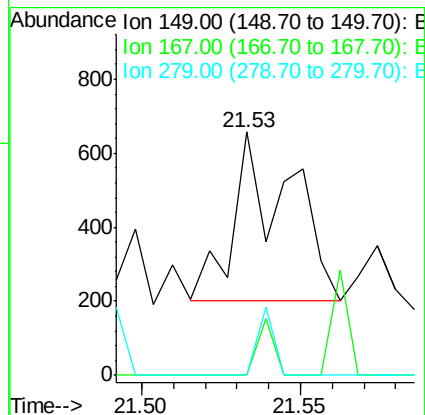
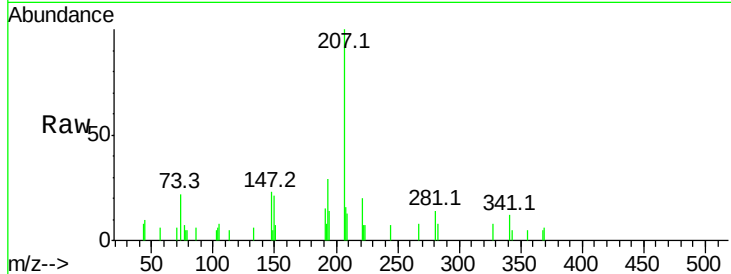




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.053 ng
 RT: 21.53 min Scan# 3106
 Delta R.T. -0.02 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

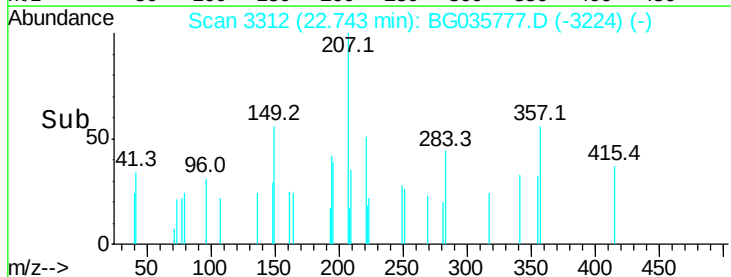
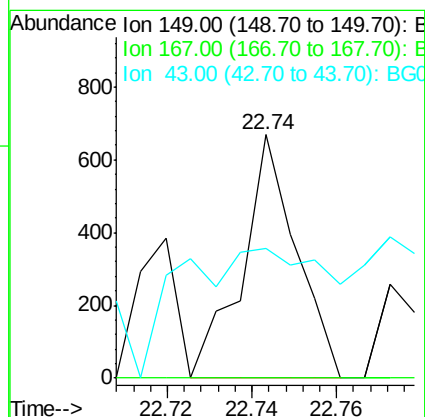
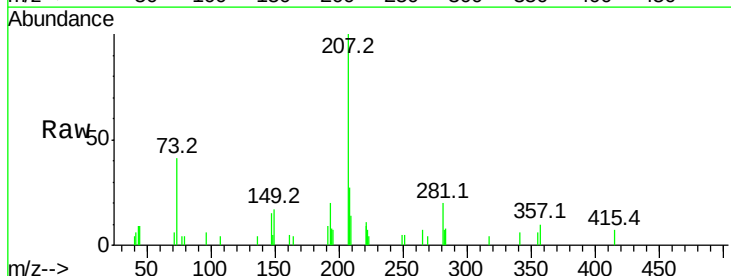
Instrument :
 BNA_G
 ClientSampleId :
 LS-SOIL-4

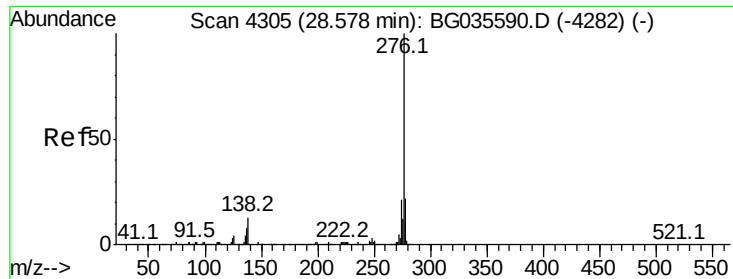
Tot Ion:149 Resp: 562
 Ion Ratio Lower Upper
 149 100
 167 0.0 24.3 36.5#
 279 0.0 4.0 6.0#



#84
 Di-n-octyl phthalate
 Concen: 0.034 ng
 RT: 22.74 min Scan# 3312
 Delta R.T. -0.01 min
 Lab File: BG035777.D
 Acq: 20 Jul 2018 9:46

Tgt Ion:149 Resp: 592
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.4 2.0#
 43 146.1 8.9 13.3#

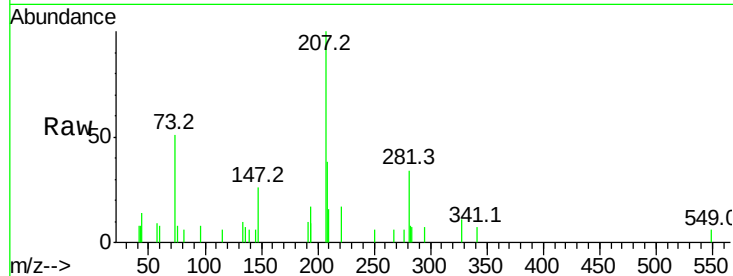




#85
Indeno(1,2,3-cd)pyrene
Concen: 0.003 ng
RT: 28.52 min Scan# 4296
Delta R.T. -0.02 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Instrument :
BNA_G
ClientSampleId :
LS-SOIL-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	16.0	24.0#
277	0.0	20.0	30.0#

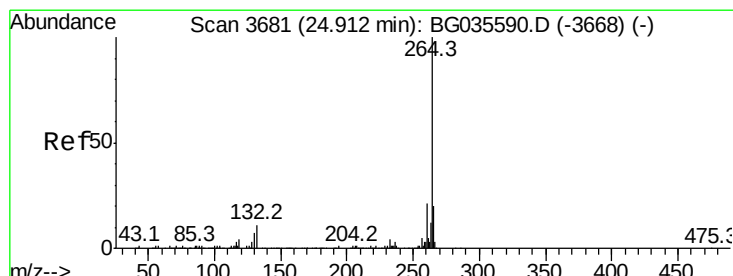
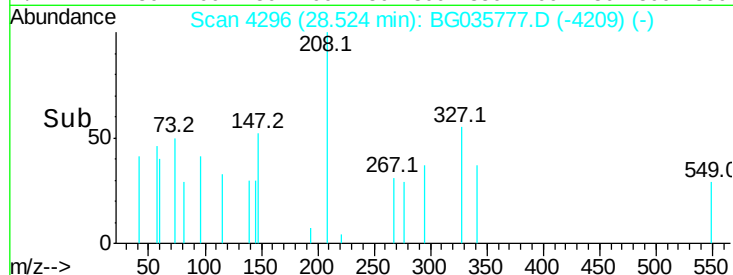
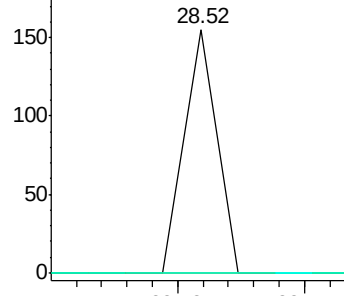


Abundance

Ion 276.00 (275.70 to 276.70): E

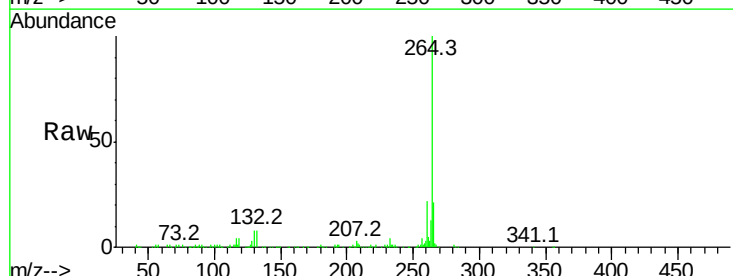
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3672
Delta R.T. -0.02 min
Lab File: BG035777.D
Acq: 20 Jul 2018 9:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.4	26.0
265	20.7	17.7	26.5

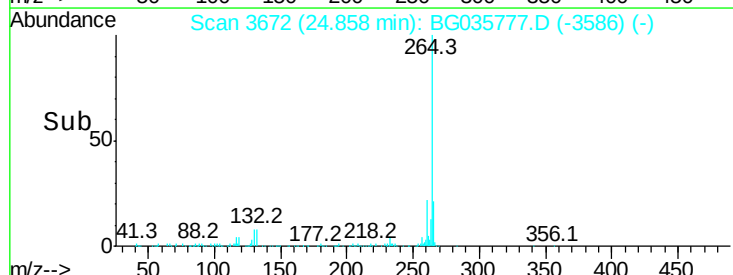
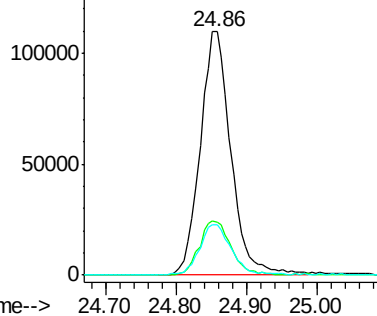


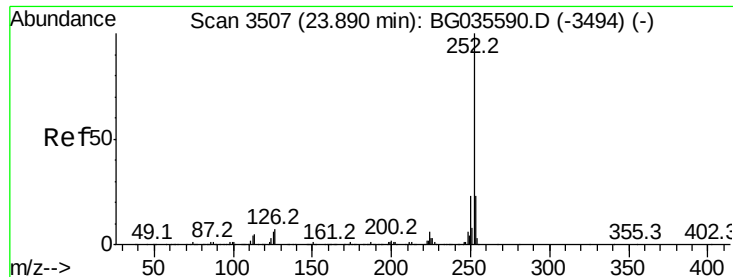
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 0.018 ng

RT: 23.86 min Scan# 3502

Delta R.T. -0.01 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

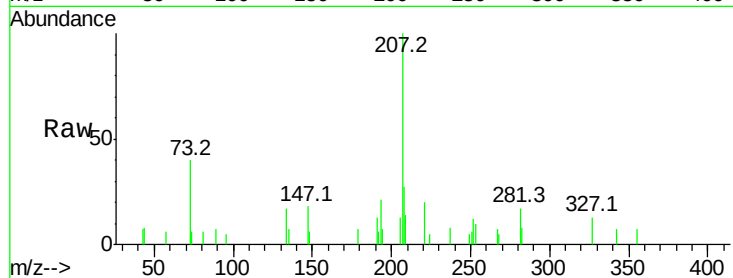
Tot Ion:252 Resp: 357

Ion Ratio Lower Upper

252 100

253 83.9 18.2 27.4#

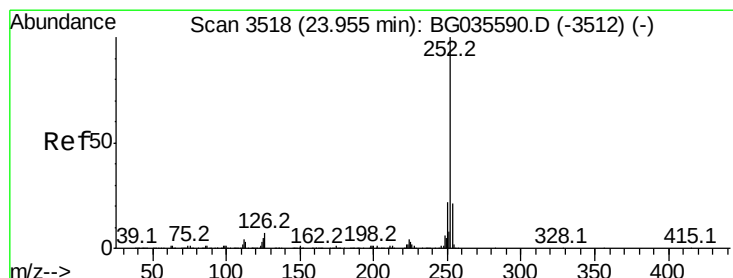
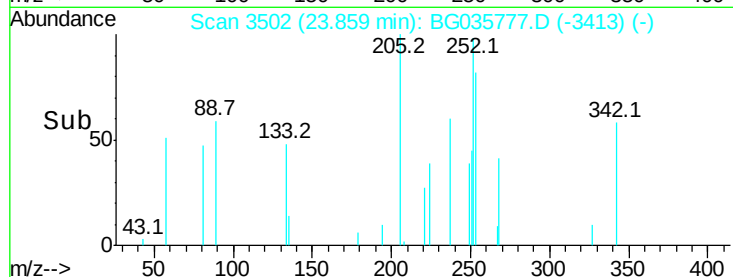
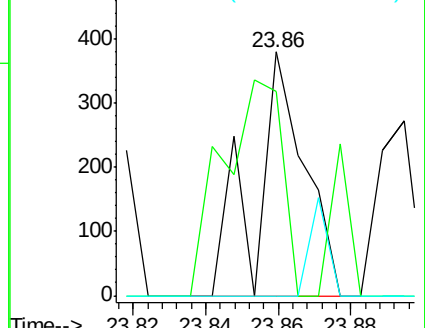
125 0.0 7.2 10.8#



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



#88

Benzo(k)fluoranthene

Concen: 0.009 ng

RT: 23.89 min Scan# 3508

Delta R.T. -0.04 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

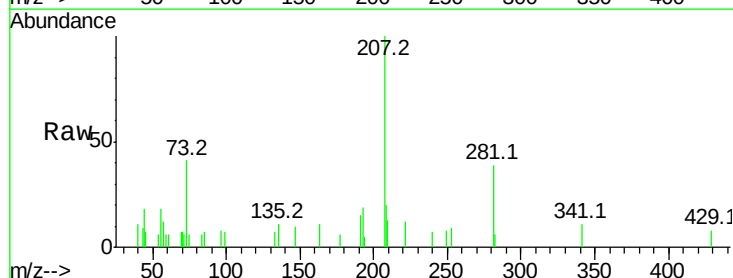
Tgt Ion:252 Resp: 176

Ion Ratio Lower Upper

252 100

253 0.0 17.4 26.2#

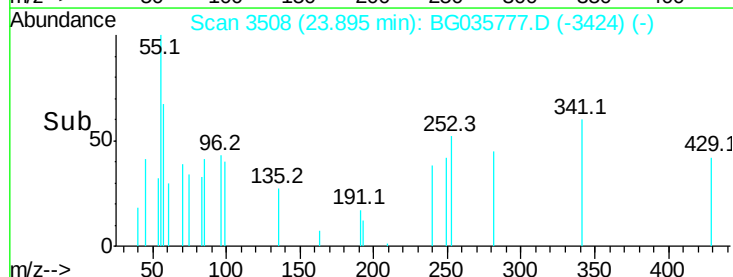
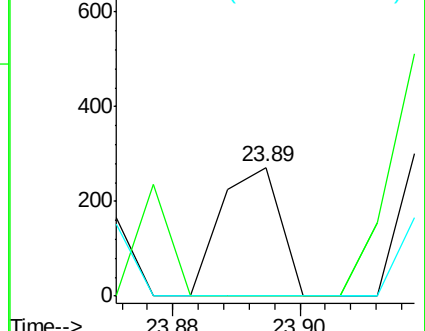
125 0.0 6.6 9.8#

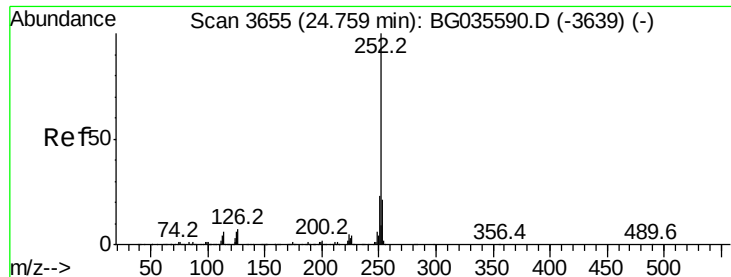


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.033 ng

RT: 24.72 min Scan# 3648

Delta R.T. -0.02 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

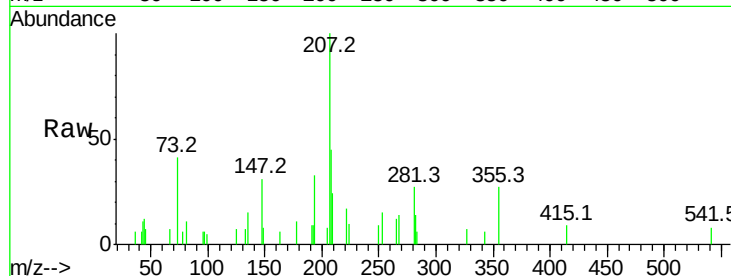
Tot Ion:252 Resp: 616

Ion Ratio Lower Upper

252 100

253 0.0 18.3 27.5#

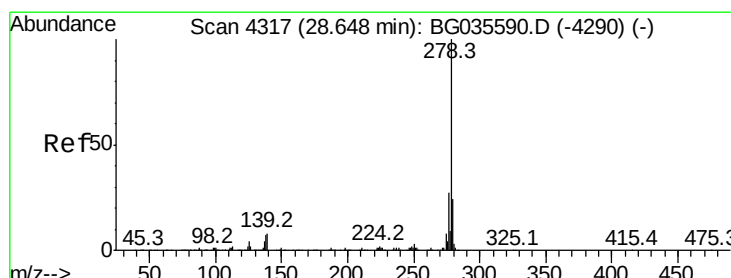
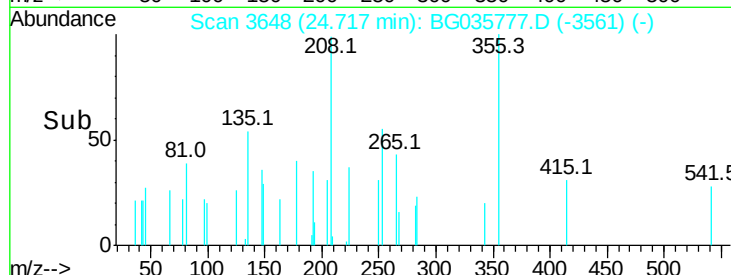
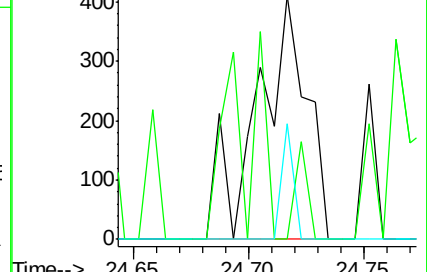
125 47.3 7.3 10.9#



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: 0.003 ng

RT: 28.51 min Scan# 4294

Delta R.T. -0.09 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

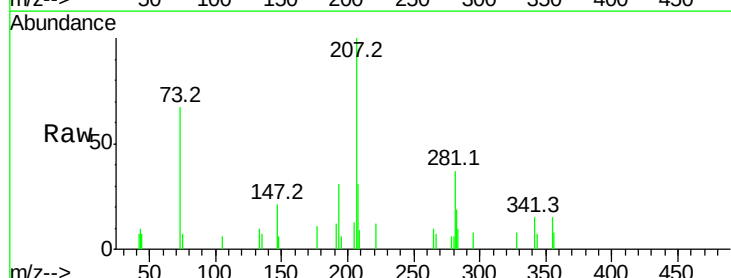
Tgt Ion:278 Resp: 55

Ion Ratio Lower Upper

278 100

139 0.0 9.8 14.6#

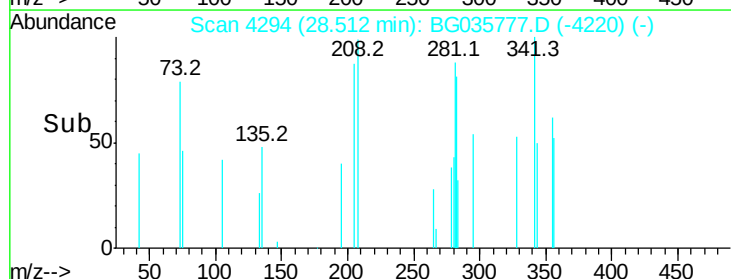
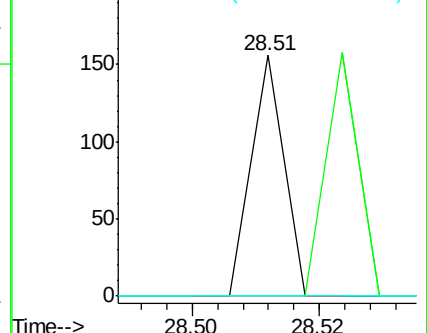
279 0.0 18.4 27.6#

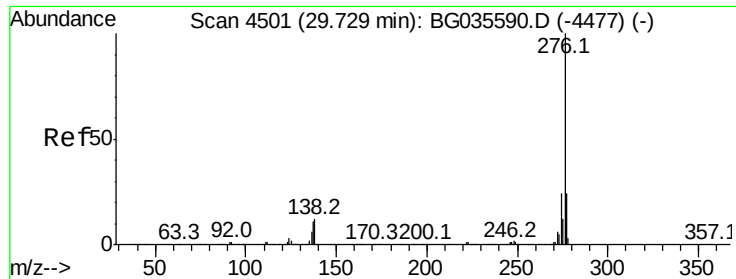


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 0.004 ng

RT: 29.43 min Scan# 4451

Delta R.T. -0.25 min

Lab File: BG035777.D

Acq: 20 Jul 2018 9:46

Instrument :

BNA_G

ClientSampleId :

LS-SOIL-4

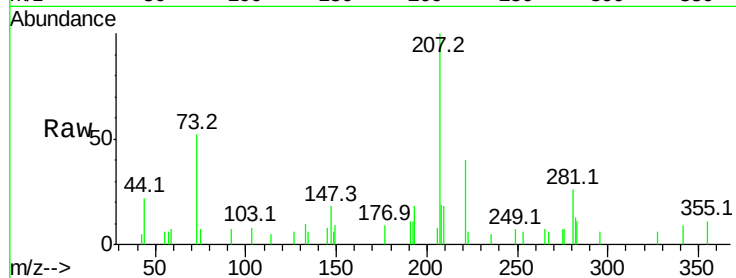
Tot Ion: 276 Resp: 72

Ion Ratio Lower Upper

276 100

277 0.0 18.3 27.5#

138 0.0 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

