

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG083116\
 Data File : BG023933.D
 Acq On : 31 Aug 2016 20:35
 Operator : UM/SJ
 Sample : H3606-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Quant Time: Sep 01 03:31:08 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 20:05:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	30758	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	146164	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	121265	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	318863	20.00	ng	0.00
75) Chrysene-d12	21.84	240	355684	20.00	ng	0.00
86) Perylene-d12	25.22	264	339204	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	348838	199.12	ng	0.00
7) Phenol-d6	7.26	99	516975	191.70	ng	0.00
23) Nitrobenzene-d5	9.27	82	386205	117.96	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	355133	162.55	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	942081	111.38	ng	0.00
78) Terphenyl-d14	20.13	244	1753451	112.27	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.48	88	12498	17.30	ng	# 87
3) Pyridine	3.91	79	29315	13.50	ng	90
4) n-Nitrosodimethylamine	3.81	42	20746	18.12	ng	# 76
6) Aniline	7.41	93	57731	16.13	ng	89
8) 2-Chlorophenol	7.65	128	42760	21.07	ng	96
9) Benzaldehyde	7.22	77	34356	17.93	ng	90
10) Phenol	7.29	94	62077	21.88	ng	88
11) bis(2-Chloroethyl)ether	7.50	93	35078	15.71	ng	86
12) 1,3-Dichlorobenzene	7.97	146	42210	17.77	ng	98
13) 1,4-Dichlorobenzene	8.12	146	44805	17.80	ng	86
14) 1,2-Dichlorobenzene	8.44	146	42887	18.16	ng	92
15) Benzyl Alcohol	8.34	79	43558	18.32	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.61	45	50207	16.78	ng	90
17) 2-Methylphenol	8.55	107	39996	20.93	ng	96
18) Hexachloroethane	9.17	117	16279	16.80	ng	87
19) n-Nitroso-di-n-propylamine	8.90	70	36454	15.30	ng	95
20) 3+4-Methylphenols	8.88	107	56381	21.17	ng	90
22) Acetophenone	8.92	105	66700	17.63	ng	# 98
24) Nitrobenzene	9.31	77	65137	18.50	ng	96
25) Isophorone	9.84	82	102875	16.20	ng	# 93
26) 2-Nitrophenol	10.03	139	25468	19.03	ng	91
27) 2,4-Dimethylphenol	10.09	122	48811	21.46	ng	91
28) bis(2-Chloroethoxy)methane	10.32	93	56437	17.60	ng	96
29) 2,4-Dichlorophenol	10.59	162	53150	22.05	ng	93
30) 1,2,4-Trichlorobenzene	10.77	180	46409	17.56	ng	96
31) Naphthalene	10.97	128	131697	17.49	ng	# 95
32) Benzoic acid	10.25	122	30786	16.67	ng	96
33) 4-Chloroaniline	11.10	127	48340	15.37	ng	92
34) Hexachlorobutadiene	11.24	225	35012	17.64	ng	92
35) Caprolactam	11.91	113	15321	18.04	ng	# 76
36) 4-Chloro-3-methylphenol	12.23	107	65687	20.40	ng	# 97
37) 2-Methylnaphthalene	12.58	142	106172	18.53	ng	95
39) 1,2,4,5-Tetrachlorobenzene	12.94	216	68741	17.08	ng	99
40) Hexachlorocyclopentadiene	12.91	237	26663	17.10	ng	96

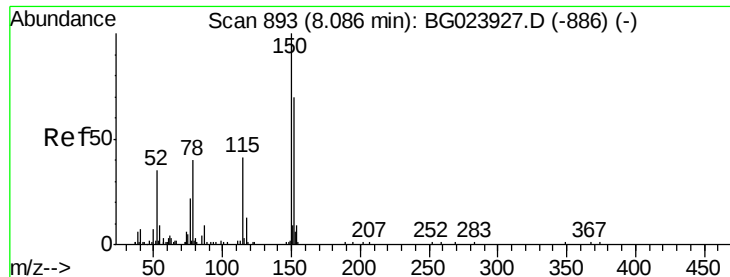
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG083116\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.20	196	51340	19.11	ng	88
43) 2,4,5-Trichlorophenol	13.29	196	53354	19.65	ng	94
45) 1,1'-Biphenyl	13.58	154	165848	17.00	ng	99
46) 2-Chloronaphthalene	13.63	162	120827	16.87	ng	93
47) 2-Nitroaniline	13.85	65	51482	18.25	ng	92
48) Acenaphthylene	14.48	152	208364	17.46	ng	97
49) Dimethylphthalate	14.21	163	173592	16.69	ng	96
50) 2,6-Dinitrotoluene	14.33	165	36840	16.78	ng	89
51) Acenaphthene	14.82	154	125382	16.99	ng	95
52) 3-Nitroaniline	14.68	138	30897	15.05	ng	# 76
53) 2,4-Dinitrophenol	14.90	184	18868	17.31	ng	94
54) Dibenzofuran	15.16	168	195585	16.98	ng	98
55) 4-Nitrophenol	15.04	139	25409	15.55	ng	# 83
56) 2,4-Dinitrotoluene	15.13	165	52549	16.29	ng	# 77
57) Fluorene	15.81	166	166179	16.64	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.40	232	49510	17.96	ng	96
59) Diethylphthalate	15.57	149	185682	16.73	ng	94
60) 4-Chlorophenyl-phenylether	15.79	204	93609	17.41	ng	93
61) 4-Nitroaniline	15.86	138	36372	17.52	ng	92
62) Azobenzene	16.09	77	187017	17.40	ng	95
64) 4,6-Dinitro-2-methylphenol	15.91	198	36602	16.53	ng	93
65) n-Nitrosodiphenylamine	16.01	169	161244	17.80	ng	98
66) 4-Bromophenyl-phenylether	16.70	248	65210	16.81	ng	85
67) Hexachlorobenzene	16.82	284	79181	17.40	ng	96
68) Atrazine	16.97	200	68632	17.61	ng	95
69) Pentachlorophenol	17.18	266	39344	16.28	ng	94
70) Phenanthrene	17.57	178	293064	17.67	ng	94
71) Anthracene	17.66	178	291899	17.25	ng	94
72) Carbazole	17.94	167	262659	17.11	ng	95
73) Di-n-butylphthalate	18.47	149	323500	17.66	ng	95
74) Fluoranthene	19.58	202	361007	18.08	ng	93
76) Benzidine	19.76	184	175356	15.92	ng	94
77) Pyrene	19.94	202	374943	17.14	ng	# 91
79) Butylbenzylphthalate	20.81	149	138704	16.45	ng	94
80) Benzo(a)anthracene	21.88	228	331406	16.64	ng	94
81) 3,3'-Dichlorobenzidine	21.73	252	95856	12.04	ng	96
82) Chrysene	21.88	228	331406	17.49	ng	94
83) Bis(2-ethylhexyl)phthalate	21.69	149	192201	16.65	ng	95
84) Di-n-octyl phthalate	22.95	149	314700	16.62	ng	100
85) Indeno(1,2,3-cd)pyrene	29.07	276	354488	16.89	ng	# 100
87) Benzo(b)fluoranthene	24.20	252	323098	16.77	ng	93
88) Benzo(k)fluoranthene	24.20	252	323098	16.91	ng	93
89) Benzo(a)pyrene	25.05	252	309434	16.91	ng	100
90) Dibenzo(a,h)anthracene	29.13	278	300485	16.70	ng	97
91) Benzo(g,h,i)perylene	30.29	276	288614	16.68	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.08 min Scan# 893

Delta R.T. -0.00 min

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LOQ-SOIL2016-02

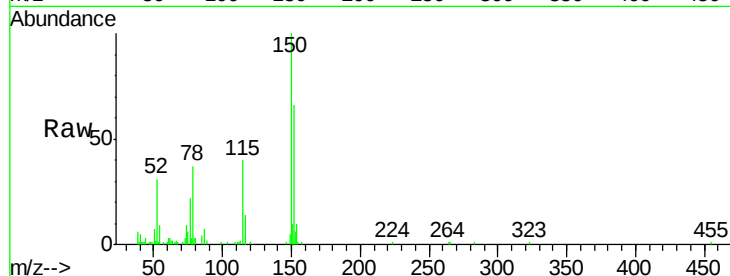
Tgt Ion:152 Resp: 30758

Ion Ratio Lower Upper

152 100

150 151.2 144.7 217.1

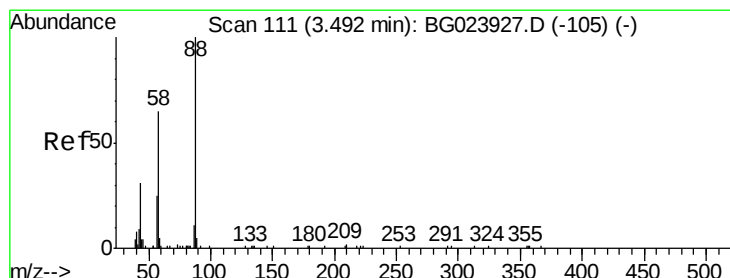
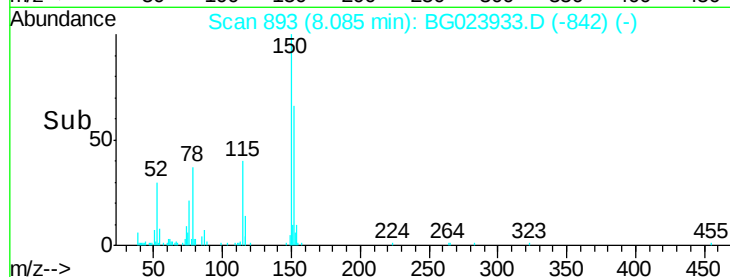
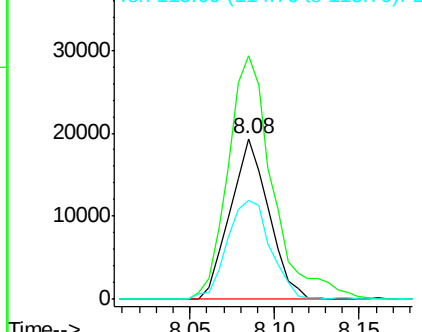
115 61.2 64.0 96.0#



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: 17.30 ng

RT: 3.48 min Scan# 110

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

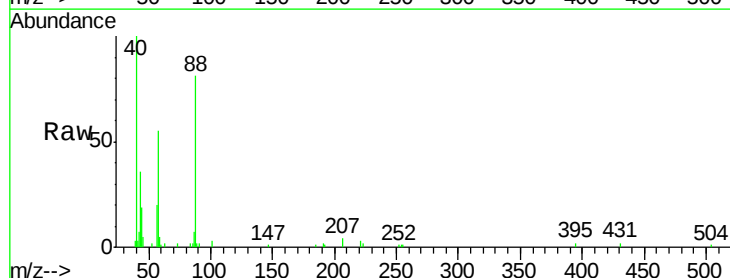
Tgt Ion: 88 Resp: 12498

Ion Ratio Lower Upper

88 100

58 82.4 60.4 90.6

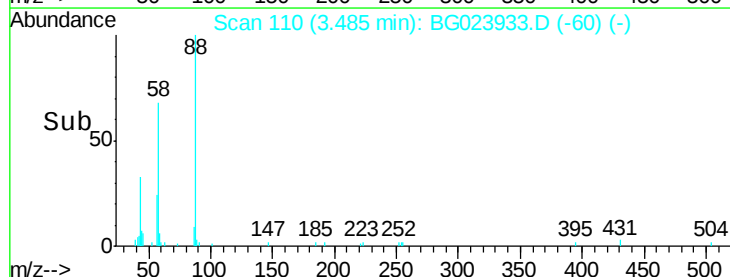
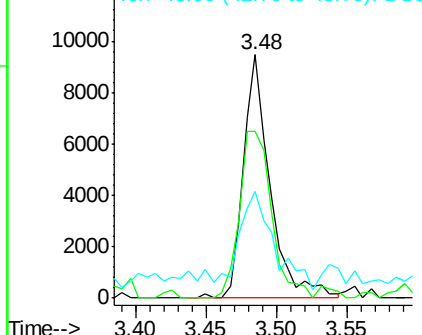
43 53.2 31.1 46.7#

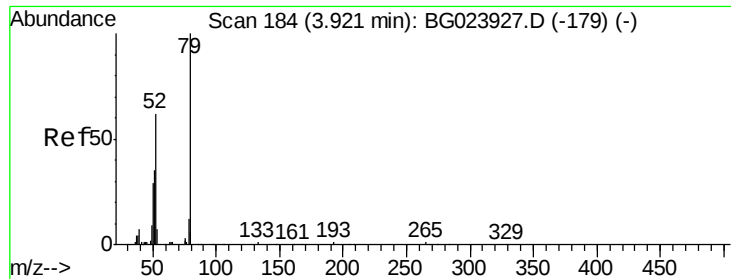


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 13.50 ng

RT: 3.91 min Scan# 183

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

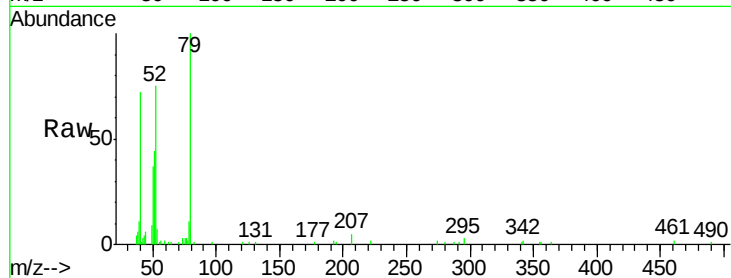
Tgt Ion: 79 Resp: 29315

Ion Ratio Lower Upper

79 100

52 75.0 51.8 77.8

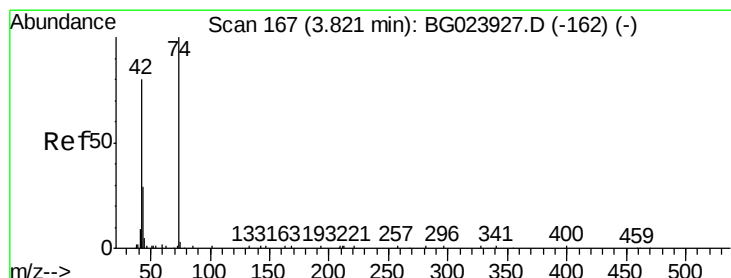
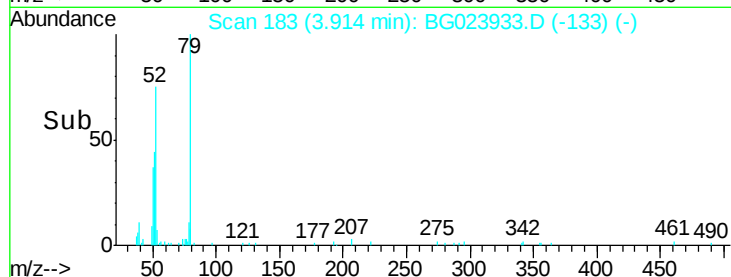
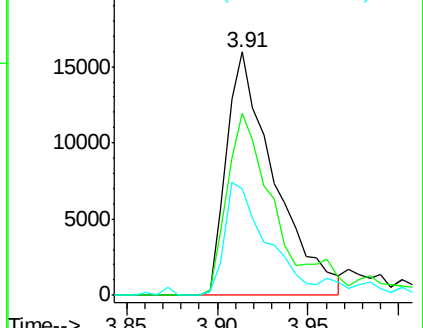
51 43.8 32.7 49.1



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: 18.12 ng

RT: 3.81 min Scan# 166

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

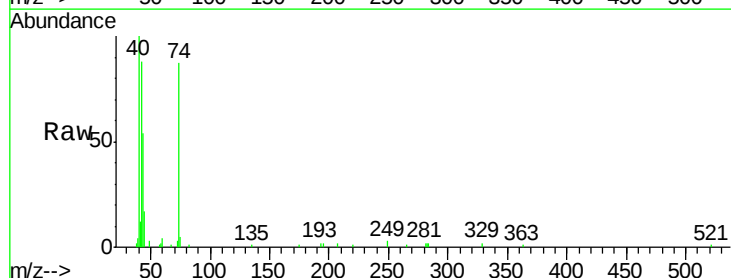
Tgt Ion: 42 Resp: 20746

Ion Ratio Lower Upper

42 100

74 98.9 100.6 150.8#

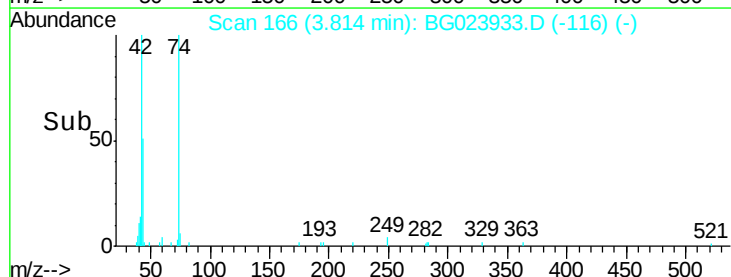
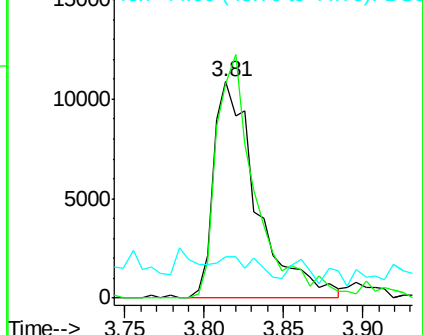
44 19.3 4.5 6.7#

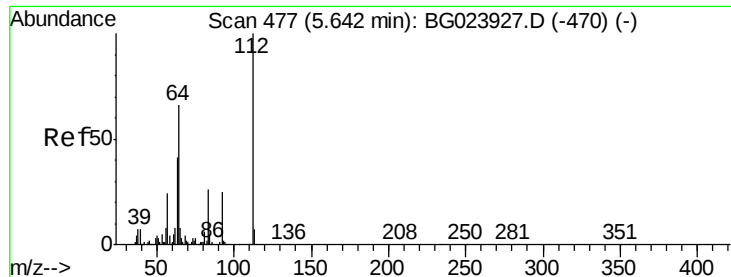


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 199.12 ng

RT: 5.64 min Scan# 477

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

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LOQ-SOIL2016-02

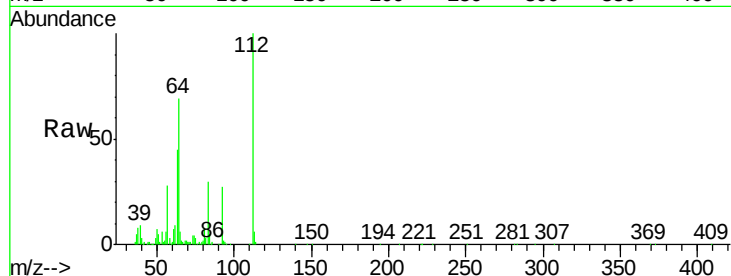
Tgt Ion: 112 Resp: 348838

Ion Ratio Lower Upper

112 100

64 69.3 59.0 88.4

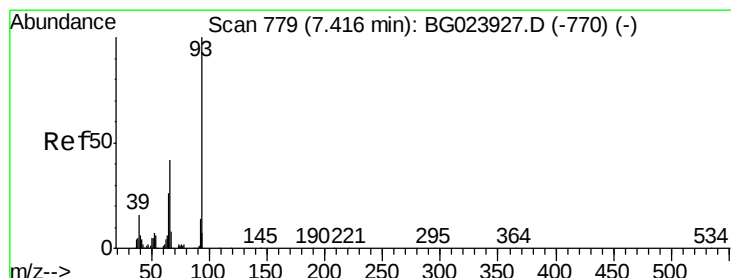
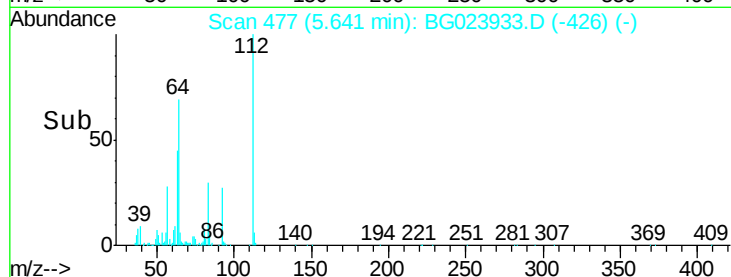
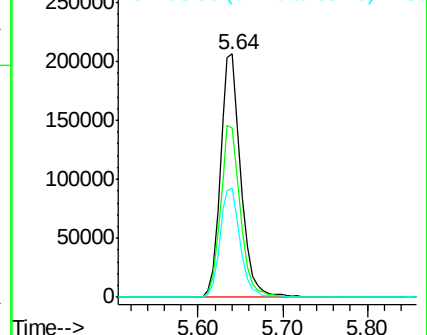
63 45.0 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 16.13 ng

RT: 7.41 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

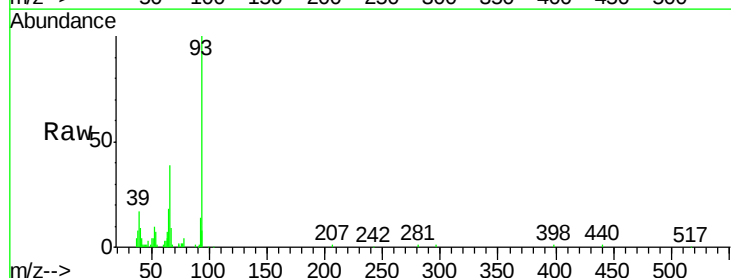
Tgt Ion: 93 Resp: 57731

Ion Ratio Lower Upper

93 100

66 38.8 37.5 56.3

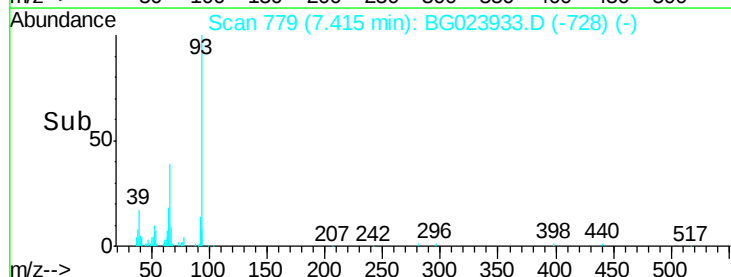
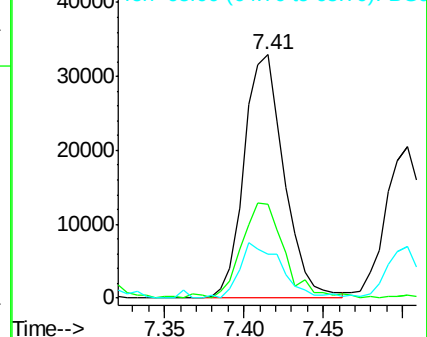
65 18.2 17.9 26.9

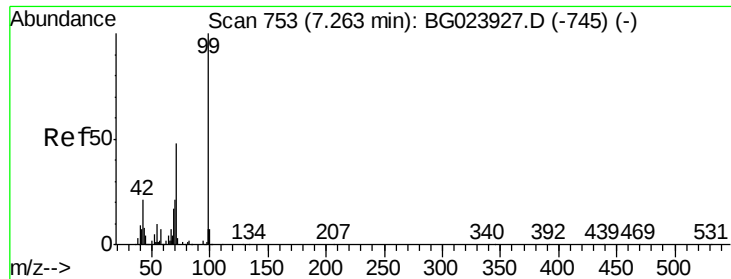


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 191.70 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.00 min

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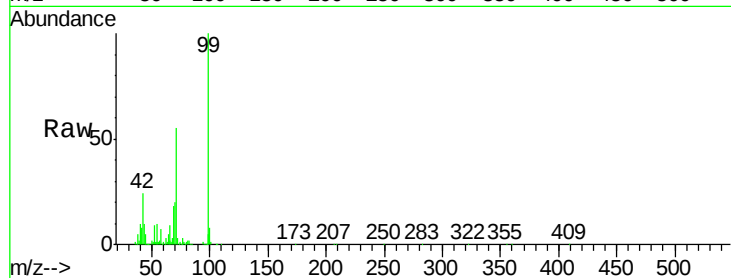
Tgt Ion: 99 Resp: 516975

Ion Ratio Lower Upper

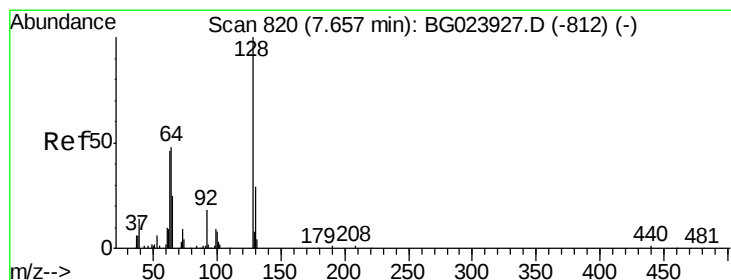
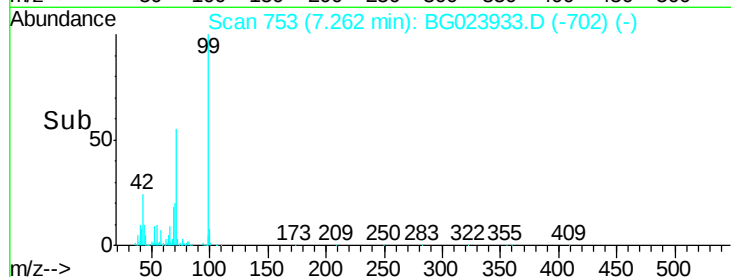
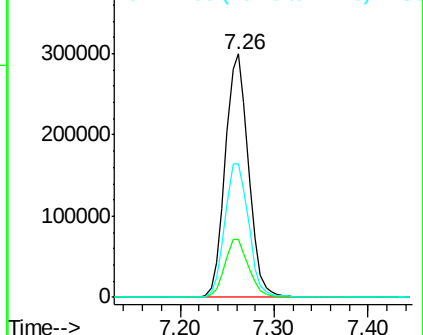
99 100

42 23.7 17.8 26.6

71 55.0 41.5 62.3



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: 21.07 ng

RT: 7.65 min Scan# 819

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

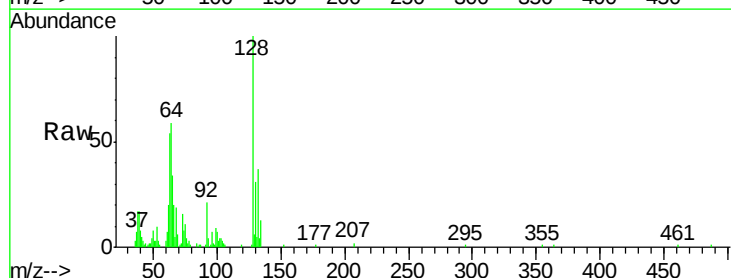
Tgt Ion: 128 Resp: 42760

Ion Ratio Lower Upper

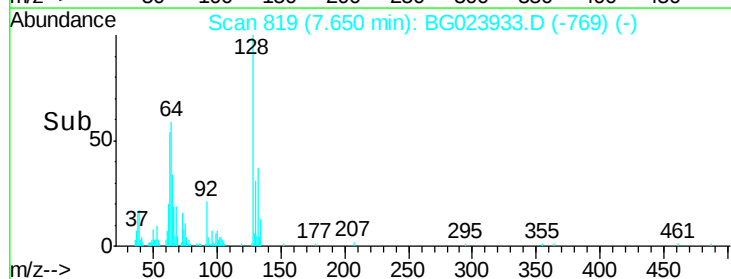
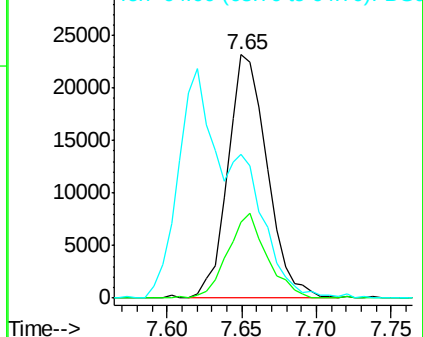
128 100

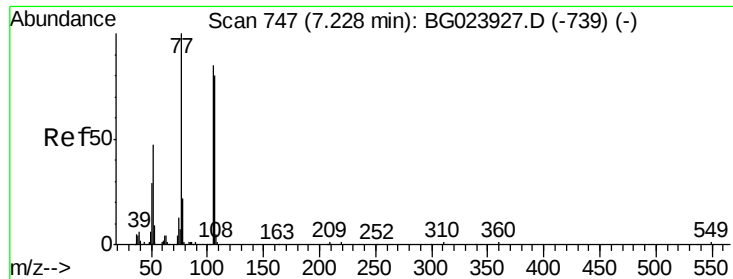
130 31.3 12.9 52.9

64 58.8 42.0 82.0



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: 17.93 ng

RT: 7.22 min Scan# 746

Delta R.T. -0.01 min

Lab File: BG023933.D

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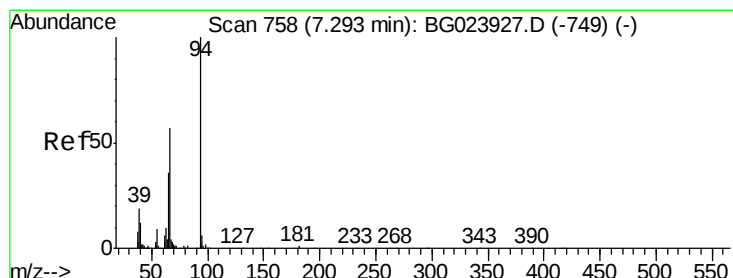
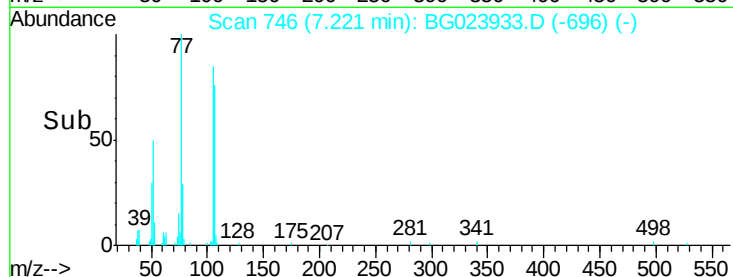
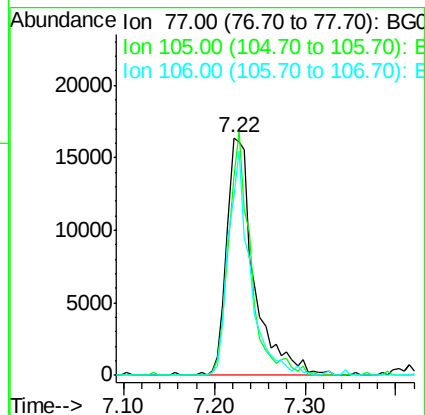
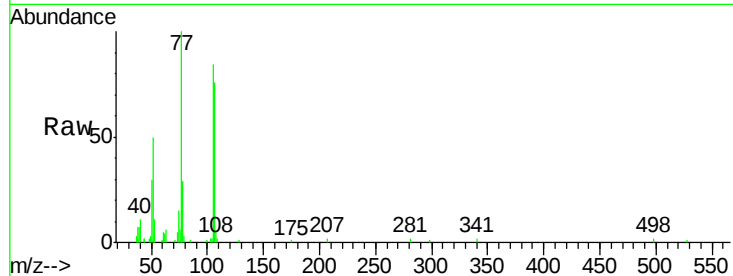
Tgt Ion: 77 Resp: 34356

Ion Ratio Lower Upper

77 100

105 83.8 58.7 98.7

106 75.5 67.5 107.5



#10

Phenol

Concen: 21.88 ng

RT: 7.29 min Scan# 757

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

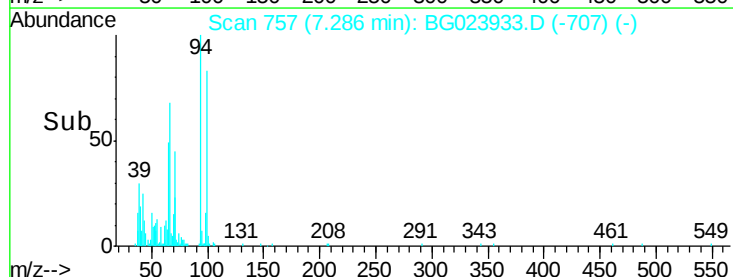
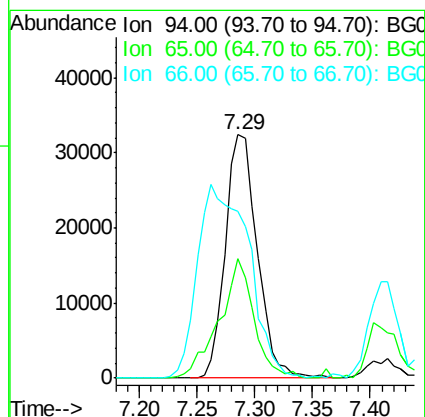
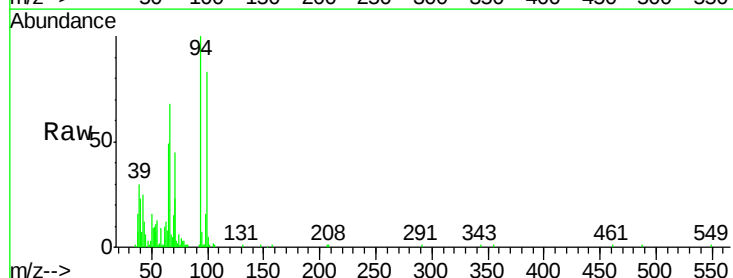
Tgt Ion: 94 Resp: 62077

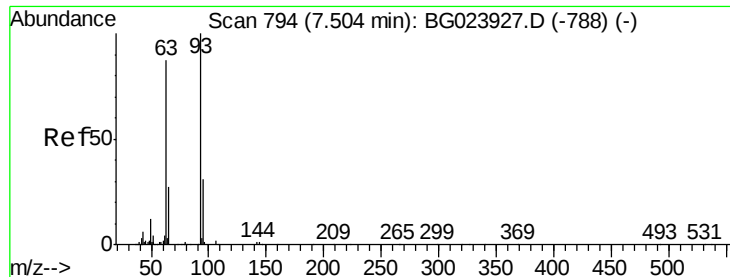
Ion Ratio Lower Upper

94 100

65 48.8 18.1 58.1

66 68.4 42.1 82.1

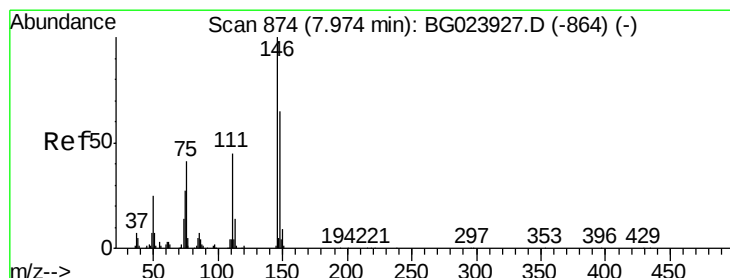
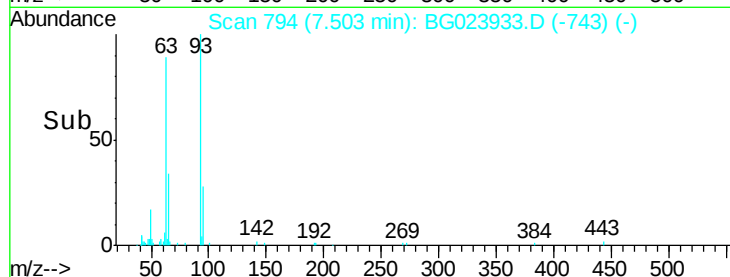
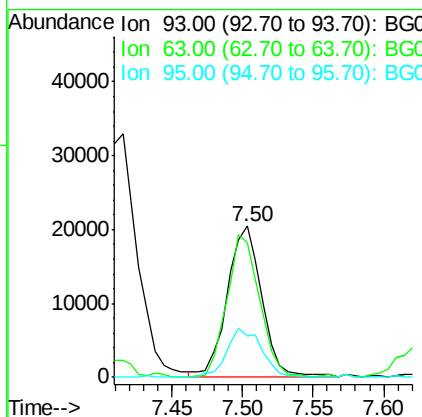
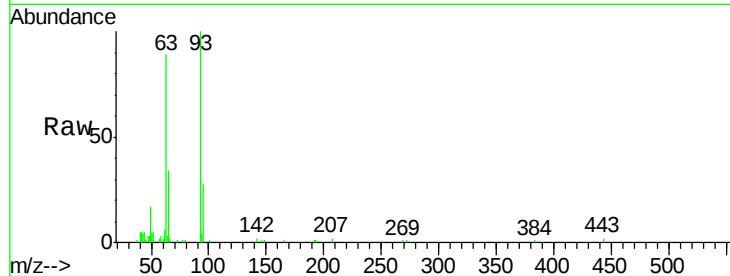




#11
bis(2-Chloroethyl)ether
Concen: 15.71 ng
RT: 7.50 min Scan# 794
Delta R.T. -0.00 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

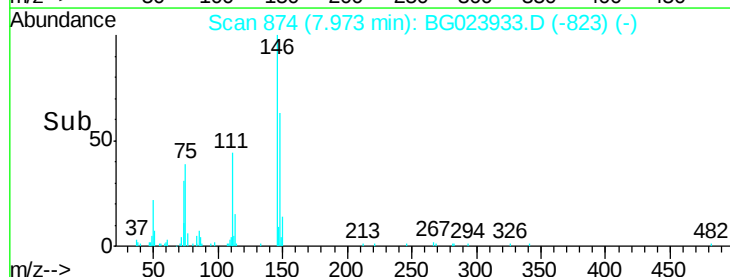
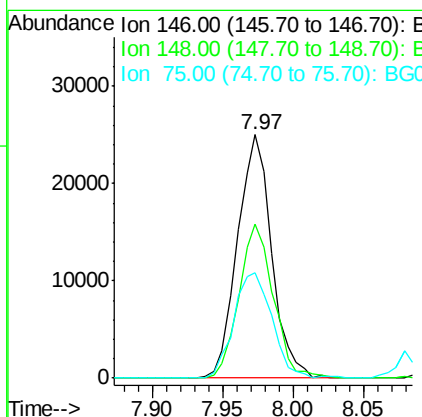
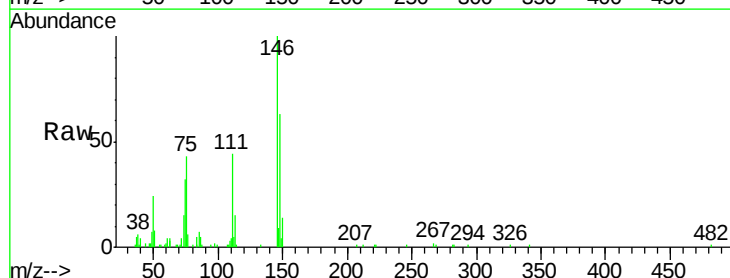
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 93 Resp: 35078
Ion Ratio Lower Upper
93 100
63 89.2 55.0 95.0
95 27.5 11.0 51.0



#12
1,3-Dichlorobenzene
Concen: 17.77 ng
RT: 7.97 min Scan# 874
Delta R.T. -0.00 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

Tgt Ion: 146 Resp: 42210
Ion Ratio Lower Upper
146 100
148 63.4 50.3 75.5
75 43.2 37.0 55.6

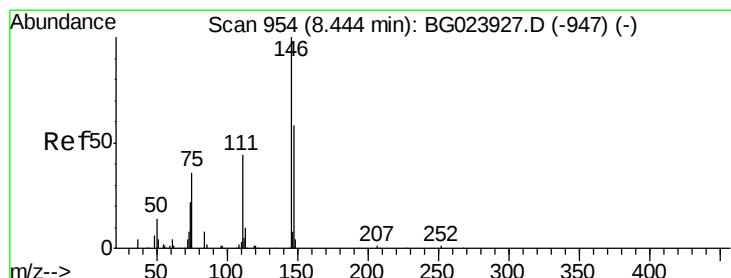
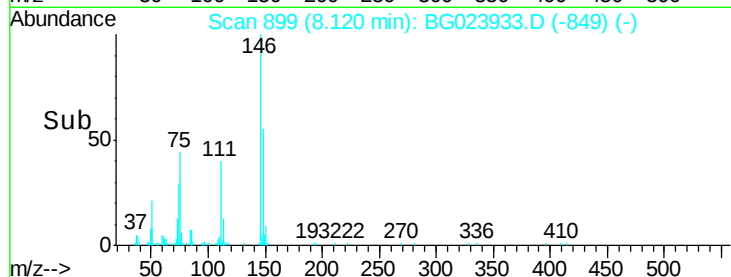
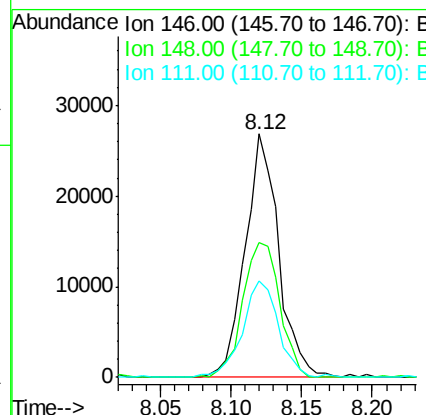
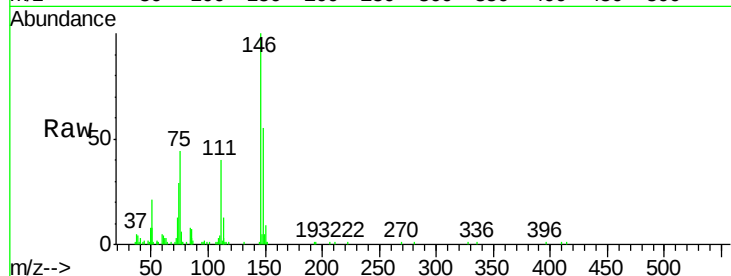




#13
 1,4-Dichlorobenzene
 Concen: 17.80 ng
 RT: 8.12 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

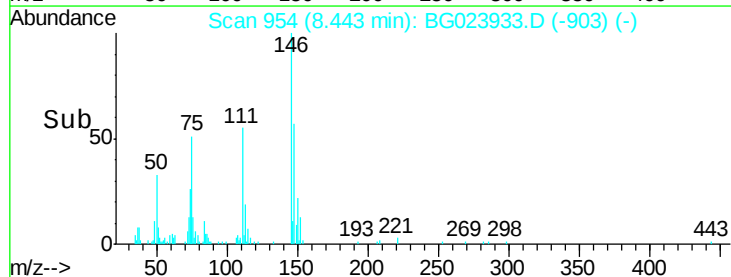
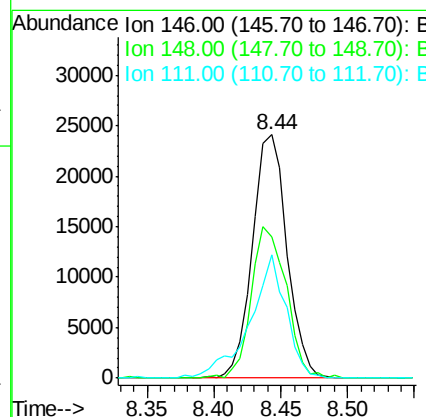
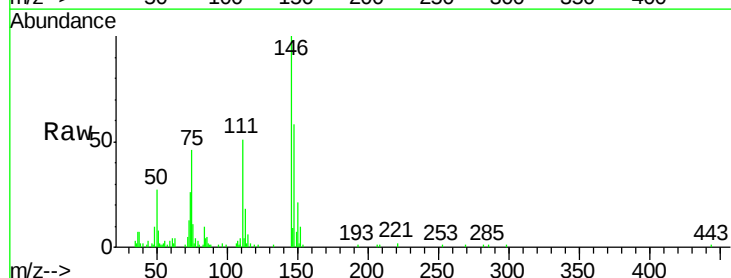
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

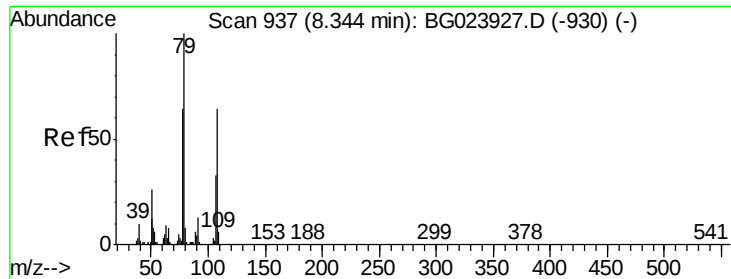
Tgt Ion:146 Resp: 44805
 Ion Ratio Lower Upper
 146 100
 148 55.3 54.5 81.7
 111 39.5 37.8 56.8



#14
 1,2-Dichlorobenzene
 Concen: 18.16 ng
 RT: 8.44 min Scan# 954
 Delta R.T. -0.00 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

Tgt Ion:146 Resp: 42887
 Ion Ratio Lower Upper
 146 100
 148 57.8 52.9 79.3
 111 50.8 43.5 65.3





#15

Benzyl Alcohol

Concen: 18.32 ng

RT: 8.34 min Scan# 937

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

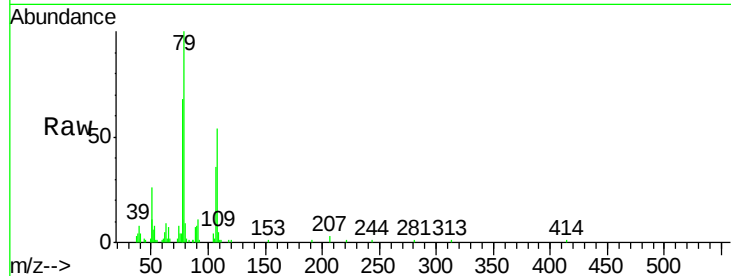
Tgt Ion: 79 Resp: 43558

Ion Ratio Lower Upper

79 100

108 54.2 46.5 69.7

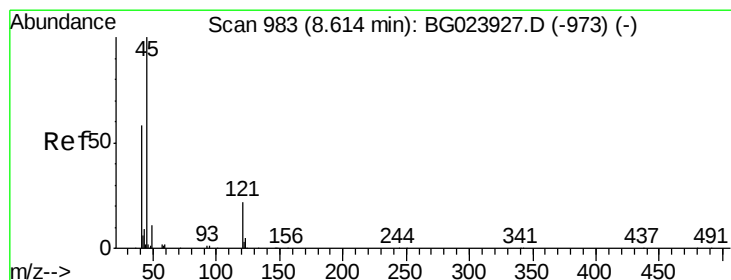
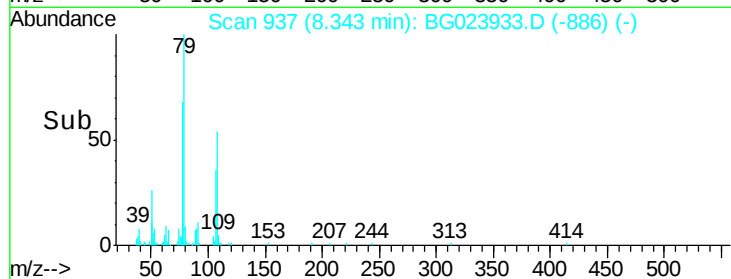
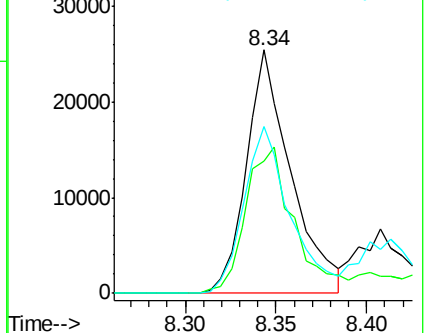
77 68.4 52.3 78.5



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 16.78 ng

RT: 8.61 min Scan# 983

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

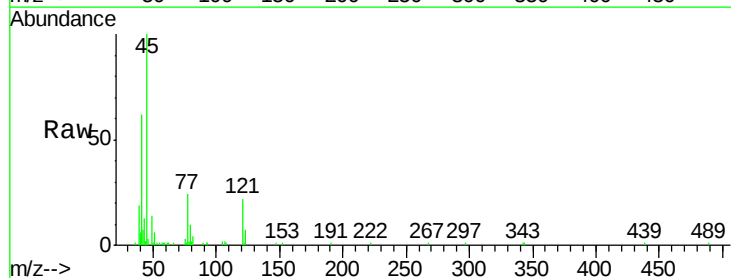
Tgt Ion: 45 Resp: 50207

Ion Ratio Lower Upper

45 100

77 23.7 0.6 40.6

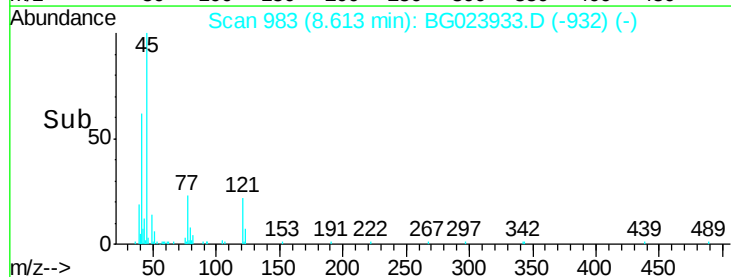
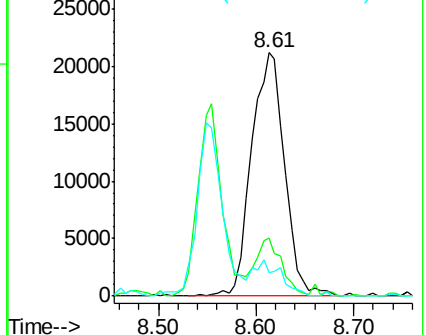
79 9.7 0.0 36.2

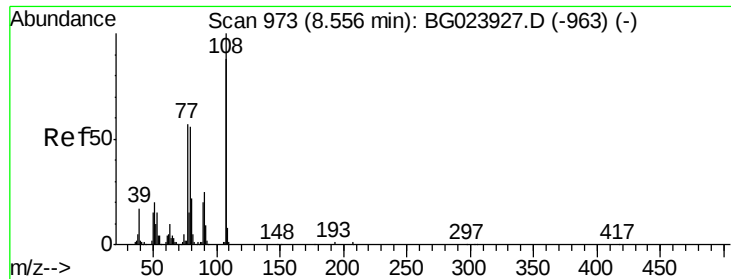


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

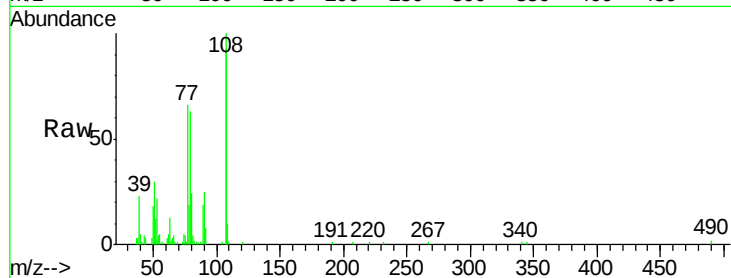




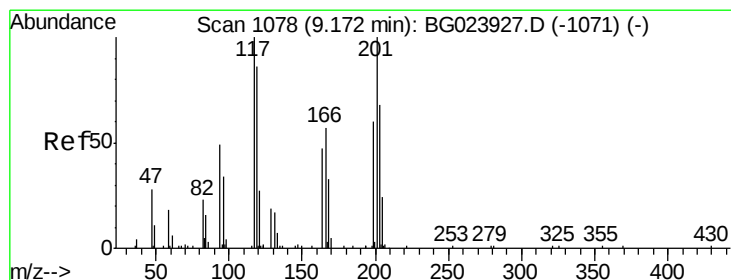
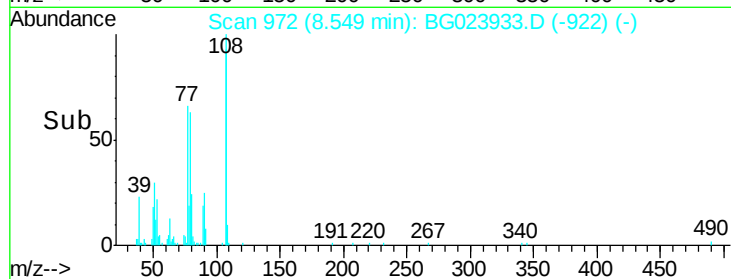
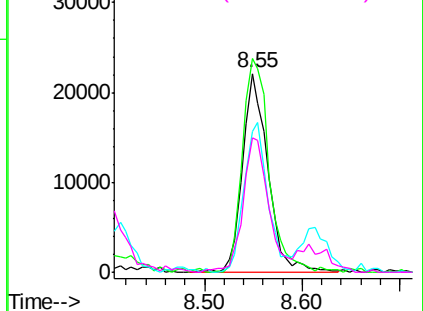
#17
2-Methylphenol
Concen: 20.93 ng
RT: 8.55 min Scan# 972
Delta R.T. -0.01 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:	107	Resp:	39996
Ion	Ratio	Lower	Upper
107	100		
108	107.4	92.0	138.0
77	71.1	55.8	83.6
79	67.9	55.0	82.6

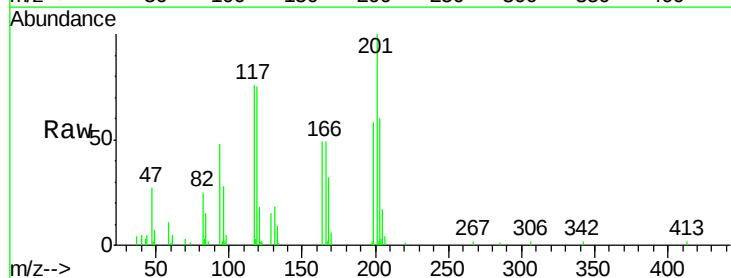


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

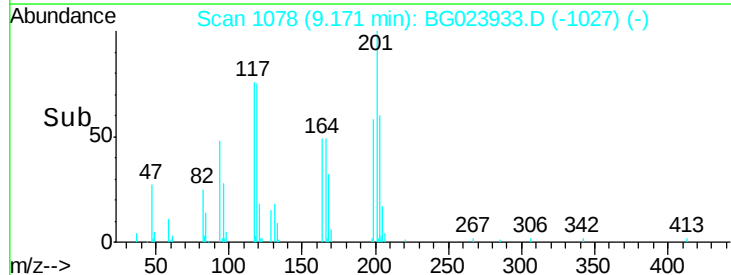
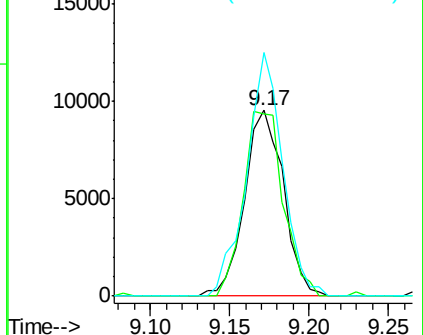


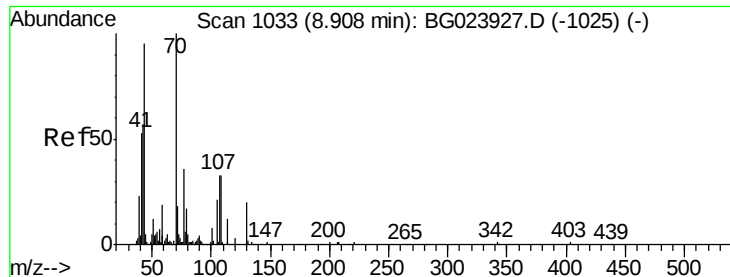
#18
Hexachloroethane
Concen: 16.80 ng
RT: 9.17 min Scan# 1078
Delta R.T. -0.00 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

Tgt Ion:	117	Resp:	16279
Ion	Ratio	Lower	Upper
117	100		
119	98.1	73.7	110.5
201	130.9	88.7	133.1



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

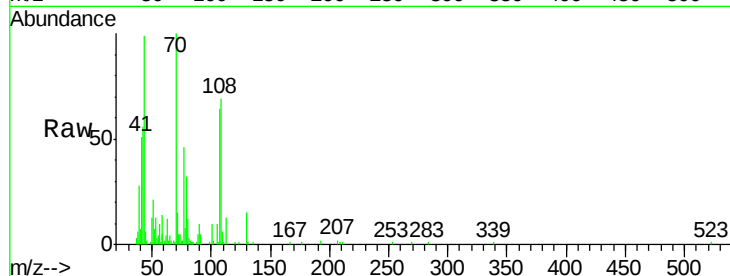




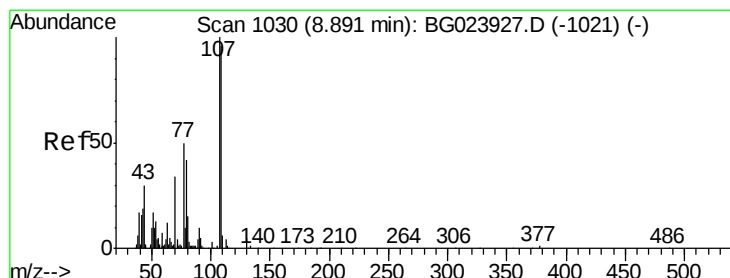
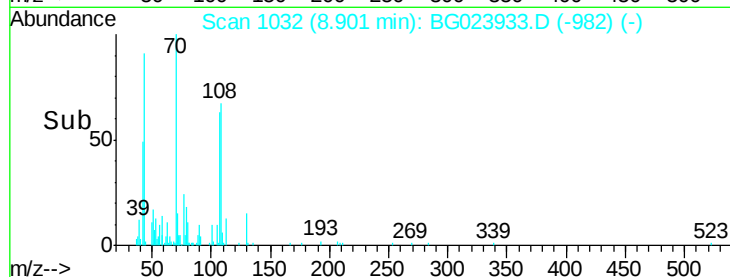
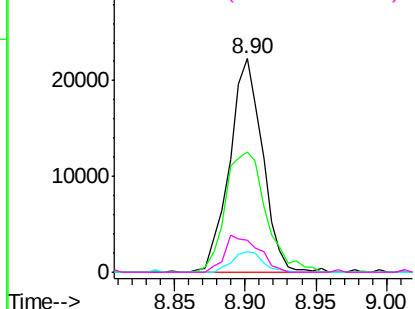
#19
n-Nitroso-di-n-propylamine
Concen: 15.30 ng
RT: 8.90 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:	70	Resp:	36454
Ion	Ratio	Lower	Upper
70	100		
42	56.1	42.1	63.1
101	9.7	7.2	10.8
130	14.7	14.2	21.2

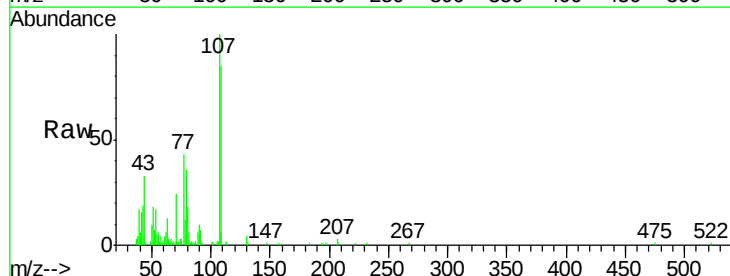


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

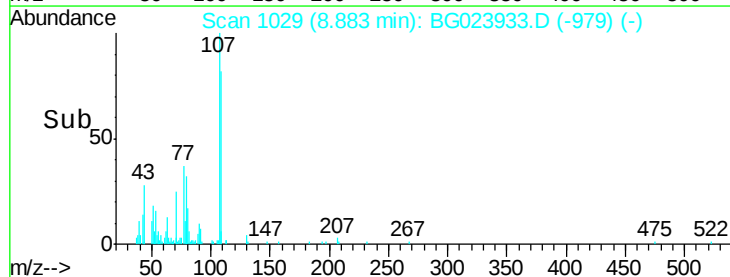
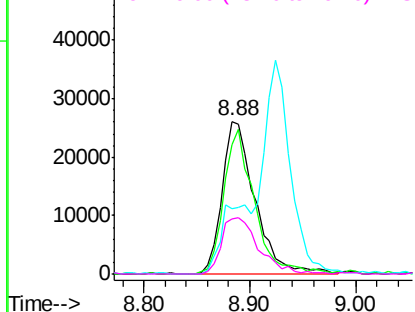


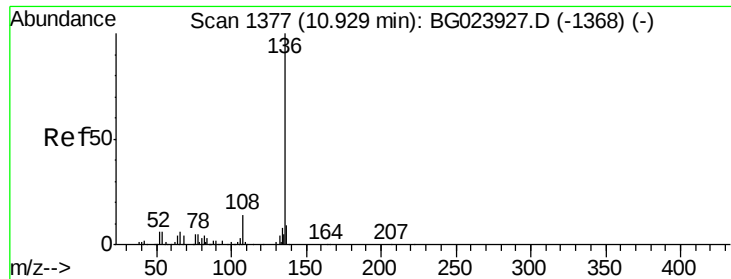
#20
3+4-Methylphenols
Concen: 21.17 ng
RT: 8.88 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

Tgt Ion:	107	Resp:	56381
Ion	Ratio	Lower	Upper
107	100		
108	84.7	72.5	112.5
77	42.8	30.1	70.1
79	36.2	24.2	64.2



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

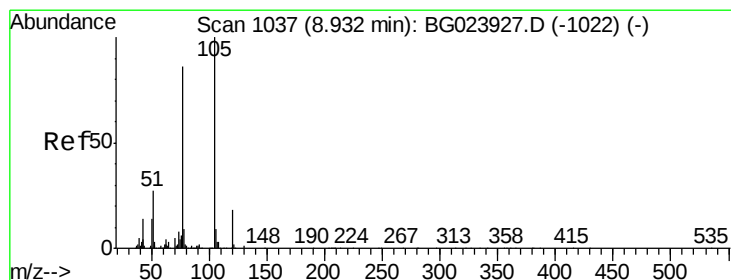
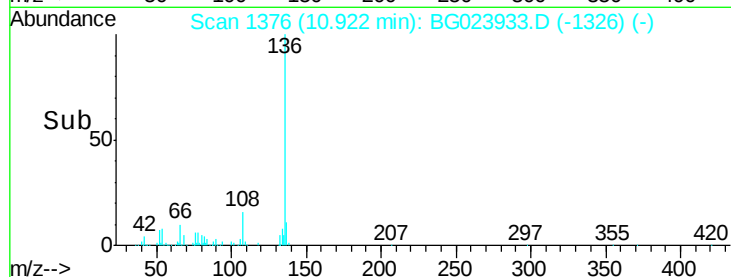
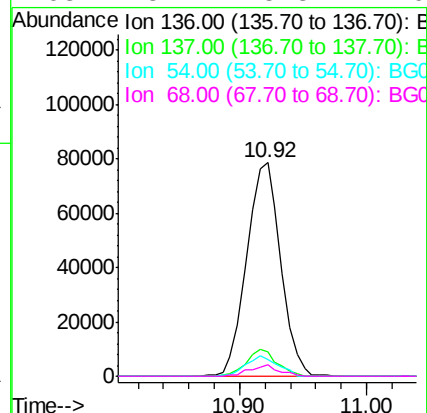
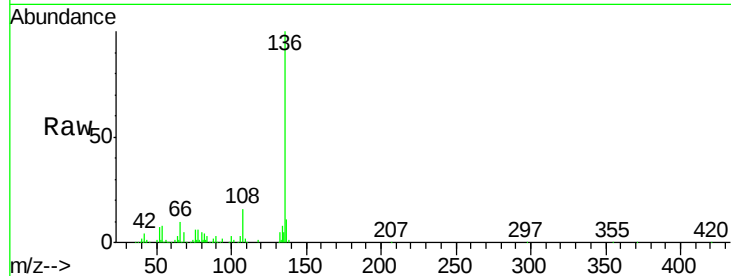




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.92 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

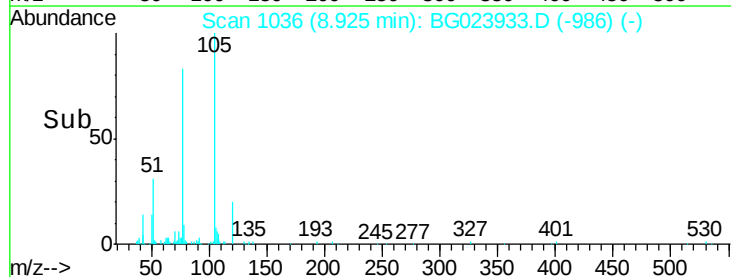
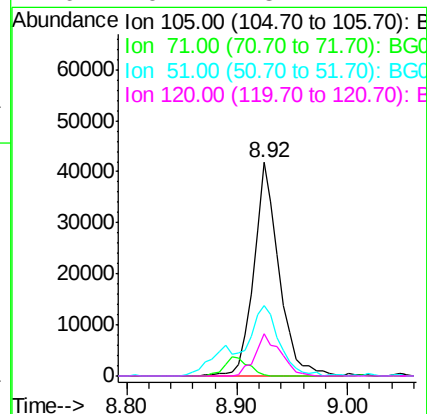
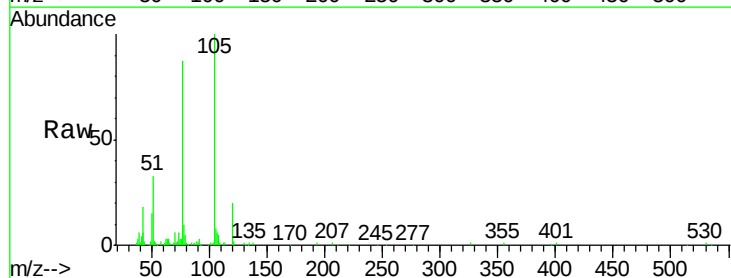
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

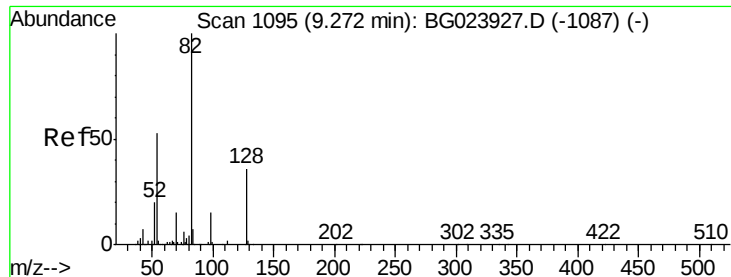
Tgt Ion:	136	Resp:	146164
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.6	14.4
54	8.1	7.3	10.9
68	5.2	5.3	7.9#



#22
Acetophenone
Concen: 17.63 ng
RT: 8.92 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

Tgt Ion:	105	Resp:	66700
Ion	Ratio	Lower	Upper
105	100		
71	0.7	2.6	3.8#
51	32.9	27.1	40.7
120	19.7	15.1	22.7

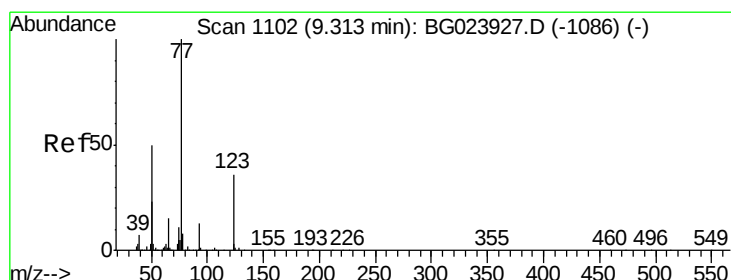
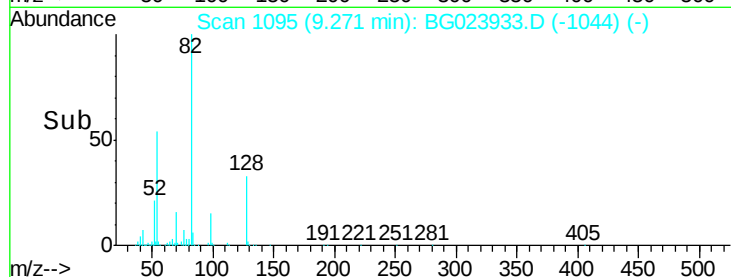
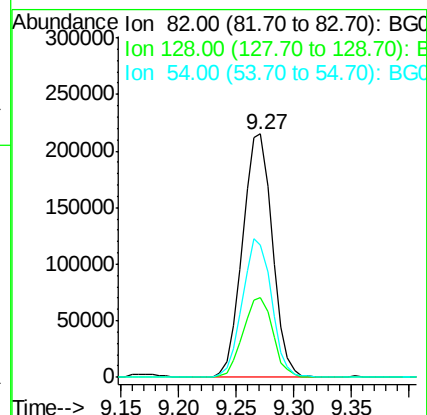
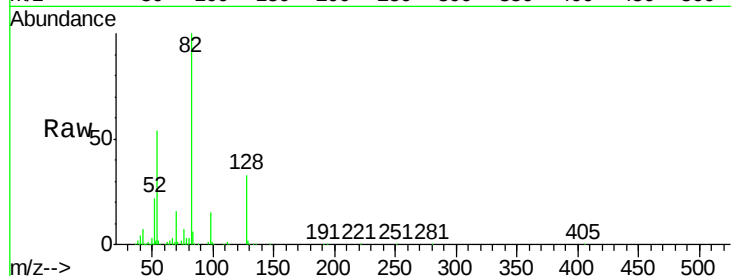




#23
 Nitrobenzene-d5
 Concen: 117.96 ng
 RT: 9.27 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

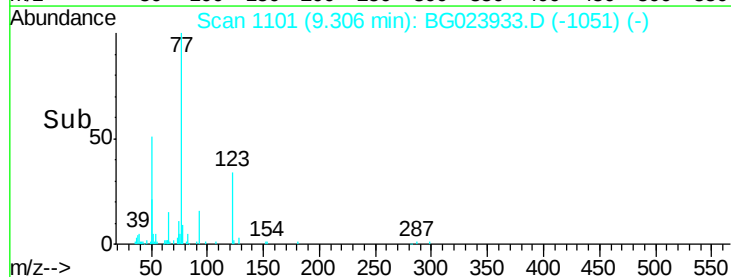
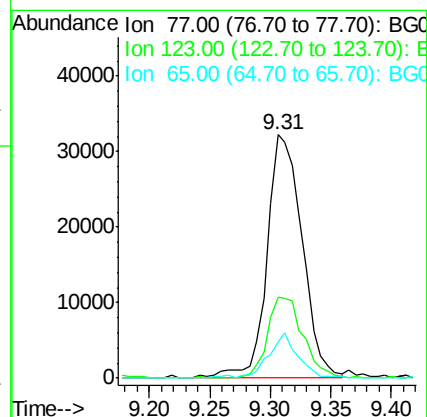
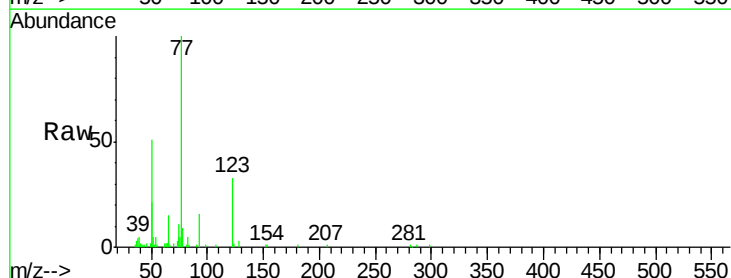
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

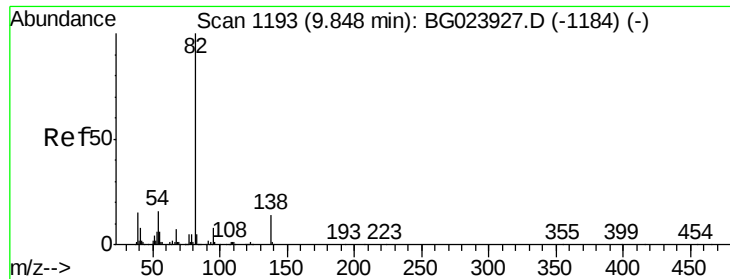
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.0	24.4	36.6
54	54.2	41.4	62.0



#24
 Nitrobenzene
 Concen: 18.50 ng
 RT: 9.31 min Scan# 1101
 Delta R.T. -0.01 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

Tgt Ion	Ratio	Lower	Upper
77	100		
123	33.3	25.0	37.6
65	14.8	13.4	20.0





#25

Isophorone

Concen: 16.20 ng

RT: 9.84 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

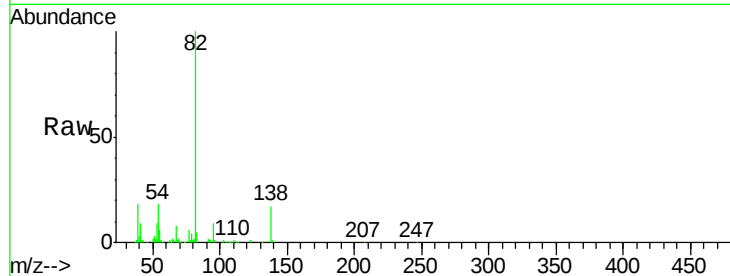
Tgt Ion: 82 Resp: 102875

Ion Ratio Lower Upper

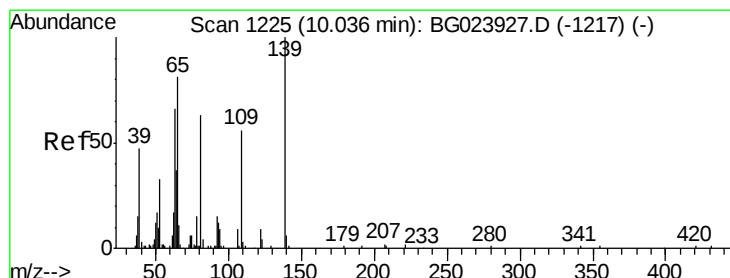
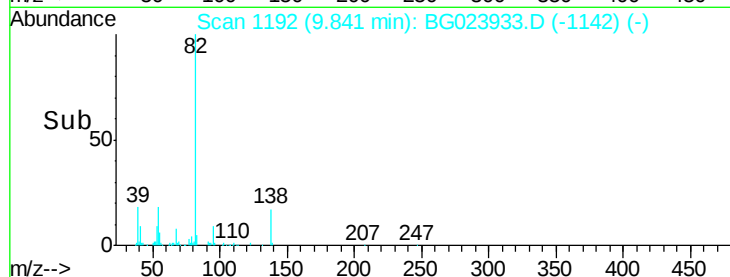
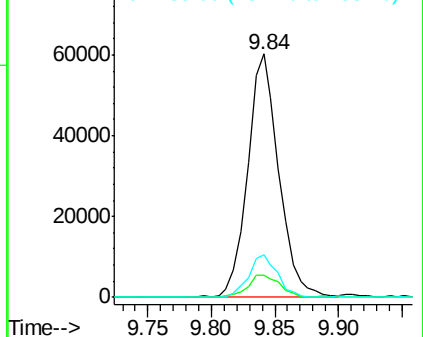
82 100

95 9.1 8.2 12.2

138 17.4 10.7 16.1#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 19.03 ng

RT: 10.03 min Scan# 1225

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

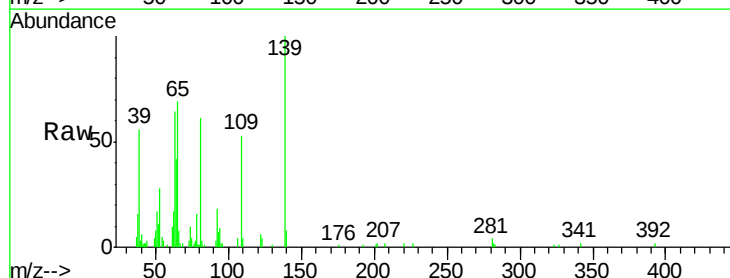
Tgt Ion: 139 Resp: 25468

Ion Ratio Lower Upper

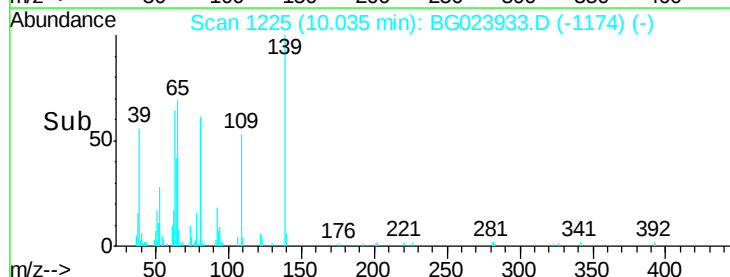
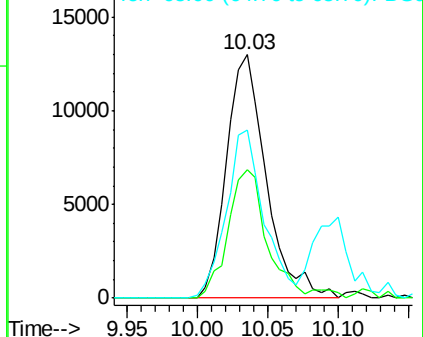
139 100

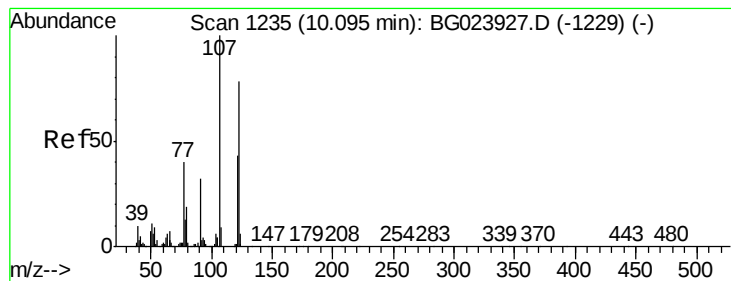
109 52.6 43.5 65.3

65 68.8 64.3 96.5



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#27

2,4-Dimethylphenol

Concen: 21.46 ng

RT: 10.09 min Scan# 1235

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

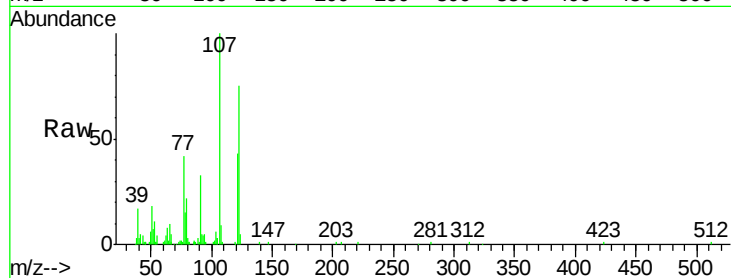
Tgt Ion:122 Resp: 48811

Ion Ratio Lower Upper

122 100

107 134.0 117.0 175.4

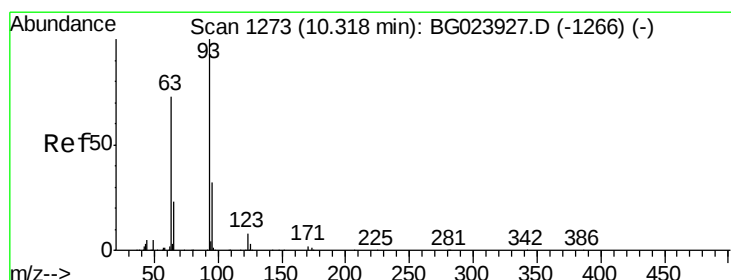
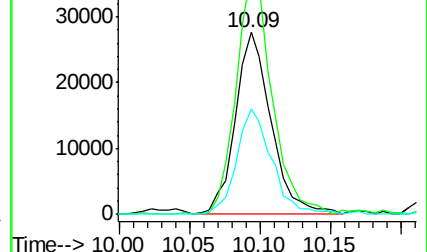
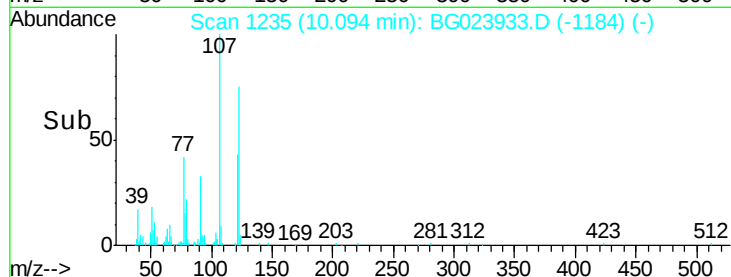
121 57.6 50.1 75.1



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 17.60 ng

RT: 10.32 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

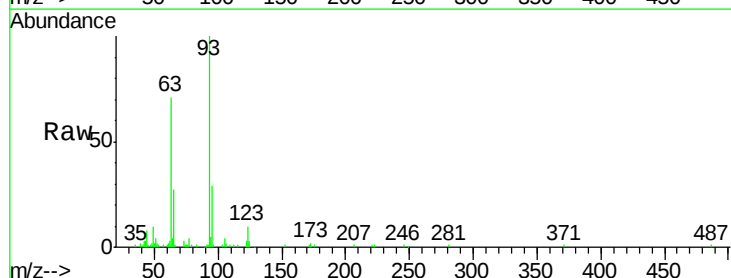
Tgt Ion: 93 Resp: 56437

Ion Ratio Lower Upper

93 100

95 29.1 25.4 38.2

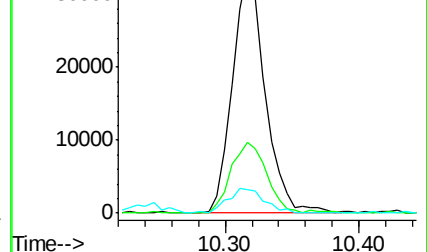
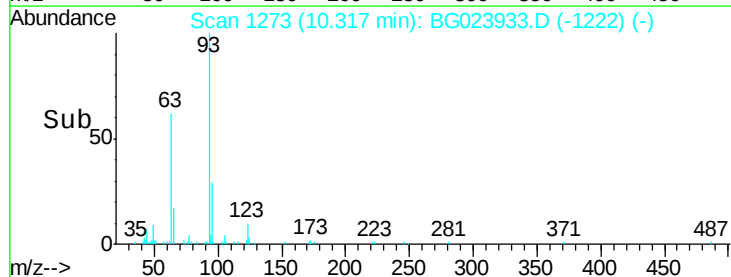
123 9.7 8.2 12.2

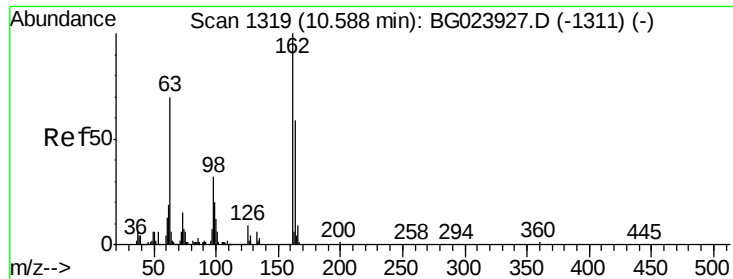


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 22.05 ng

RT: 10.59 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

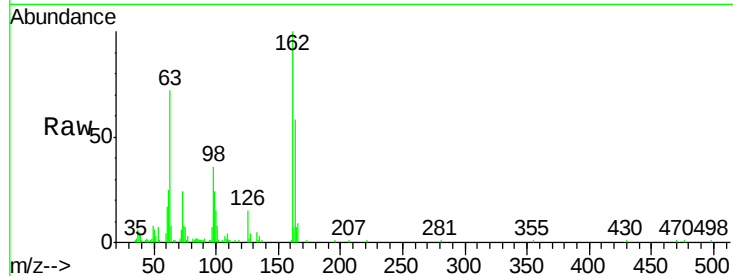
Tgt Ion:162 Resp: 53150

Ion Ratio Lower Upper

162 100

164 57.9 44.3 84.3

98 35.8 19.5 59.5

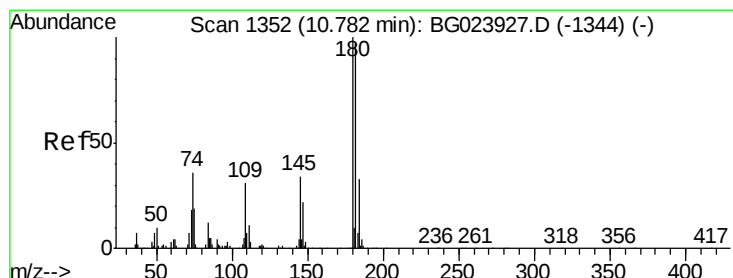
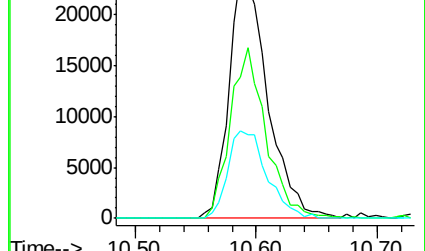
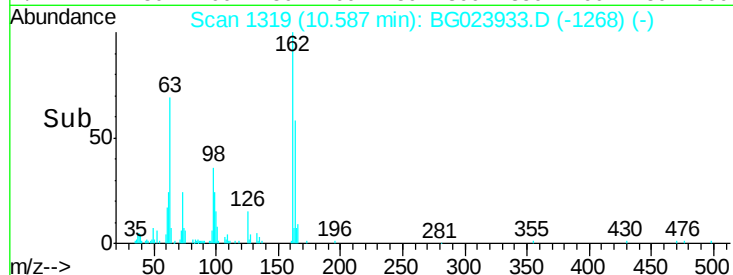


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B

Time-->



#30

1,2,4-Trichlorobenzene

Concen: 17.56 ng

RT: 10.77 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

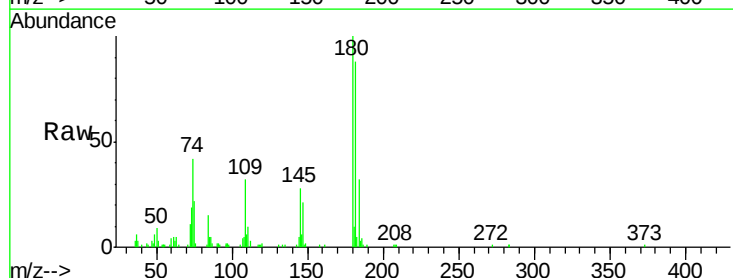
Tgt Ion:180 Resp: 46409

Ion Ratio Lower Upper

180 100

182 88.1 73.8 110.8

145 28.5 24.4 36.6

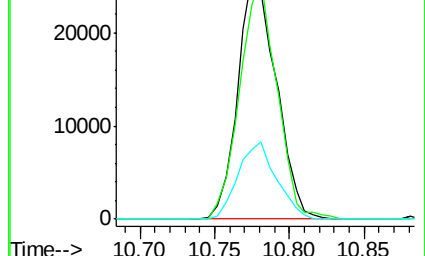
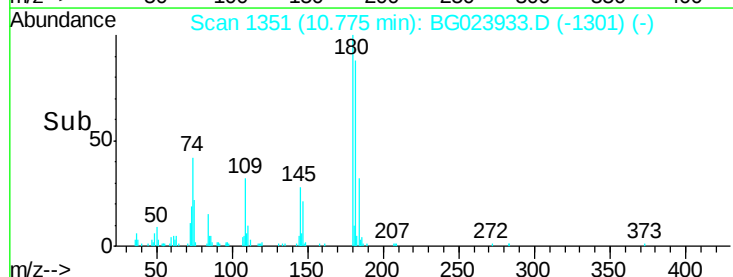


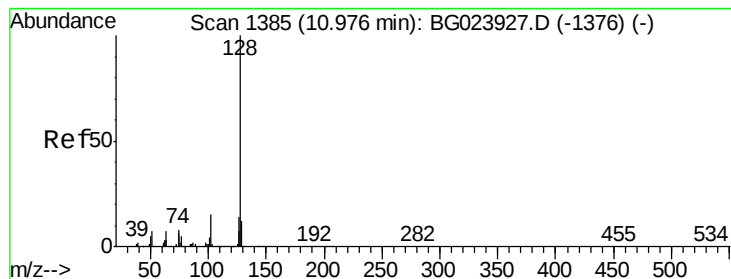
Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

Time-->





#31

Naphthalene

Concen: 17.49 ng

RT: 10.97 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

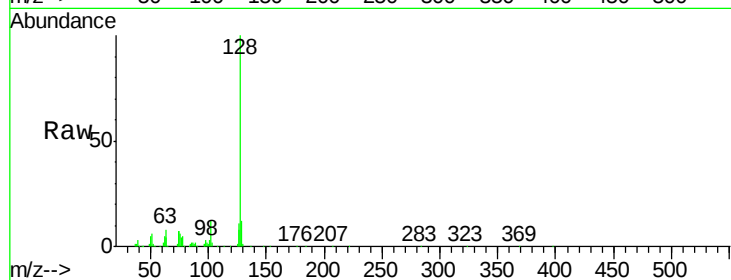
Tgt Ion:128 Resp: 131697

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.0

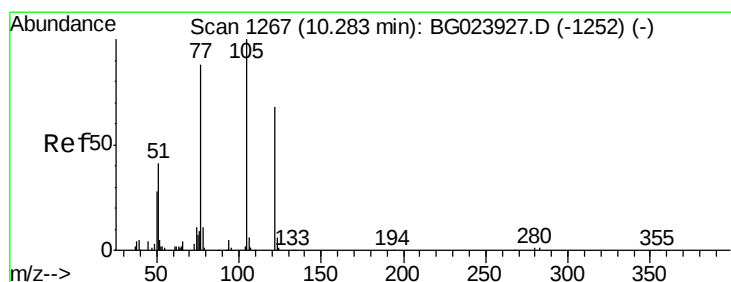
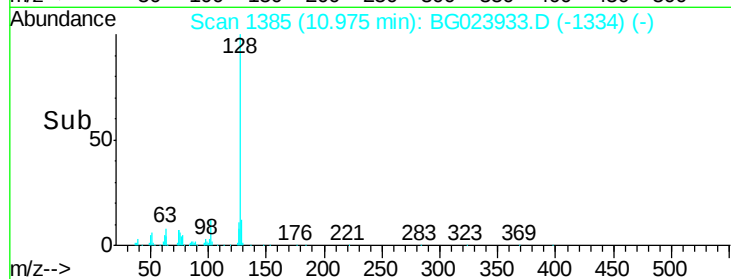
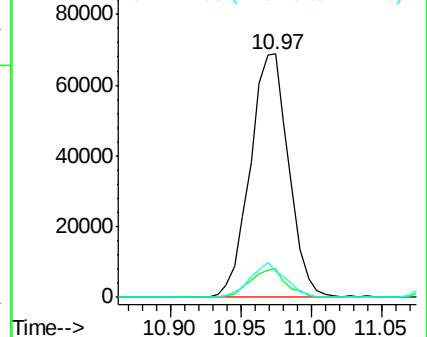
127 10.8 11.3 16.9#



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: 16.67 ng

RT: 10.25 min Scan# 1261

Delta R.T. -0.04 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

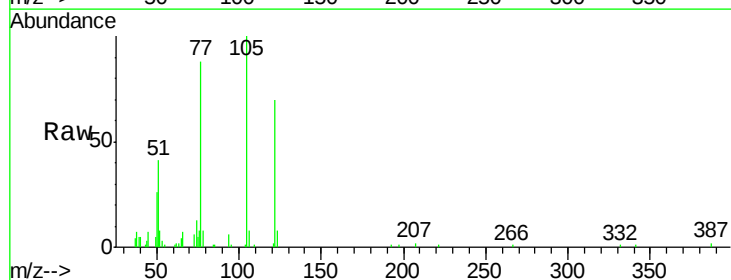
Tgt Ion:122 Resp: 30786

Ion Ratio Lower Upper

122 100

105 142.5 117.2 157.2

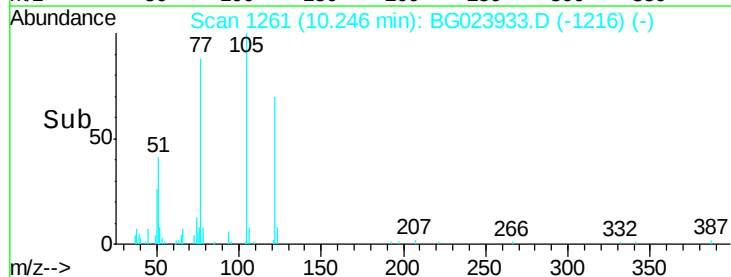
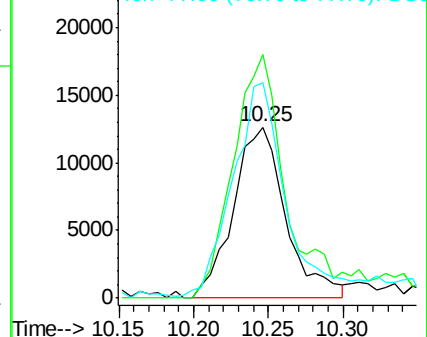
77 125.7 109.2 149.2

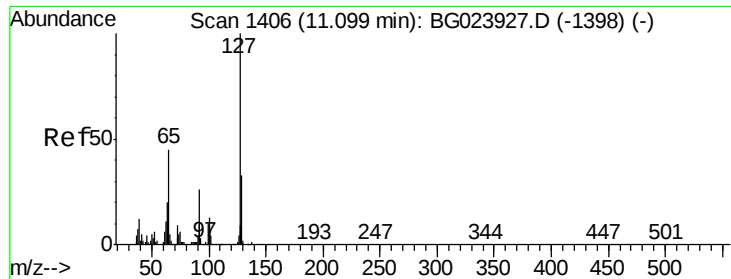


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

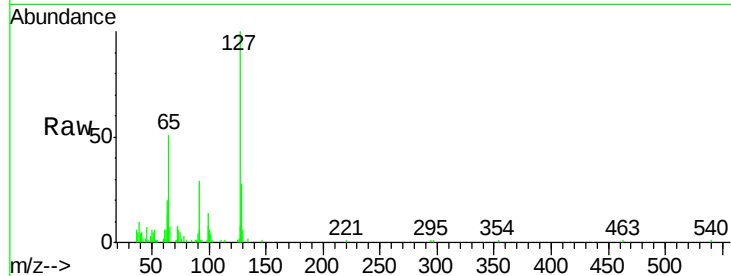




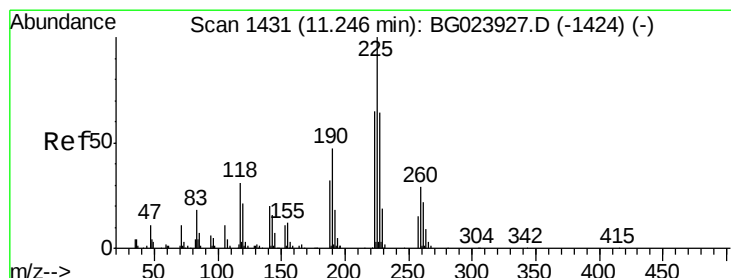
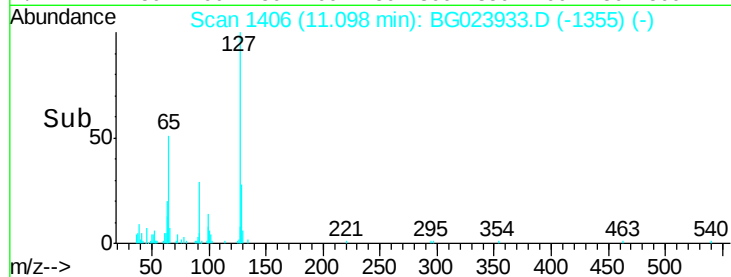
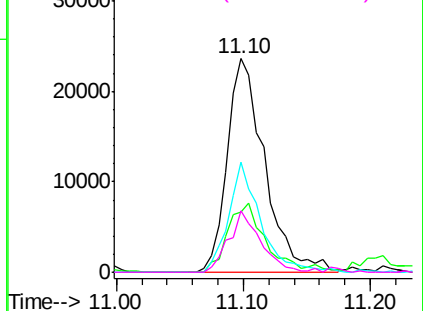
#33
4-Chloroaniline
Concen: 15.37 ng
RT: 11.10 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:	127	Resp:	48340
Ion	Ratio	Lower	Upper
127	100		
129	28.2	27.9	41.9
65	51.4	36.8	55.2
92	28.7	21.0	31.6

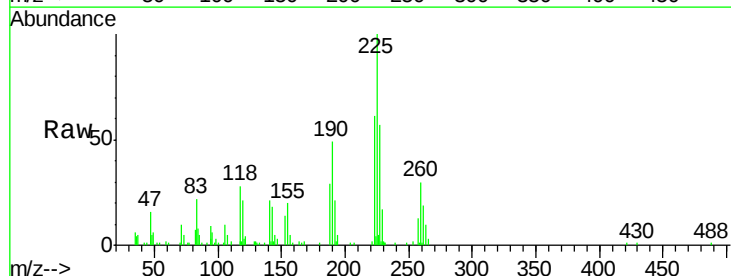


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

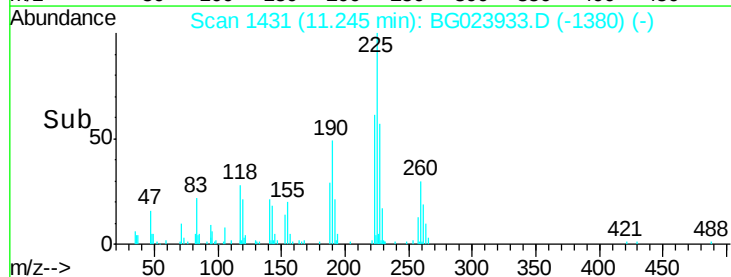
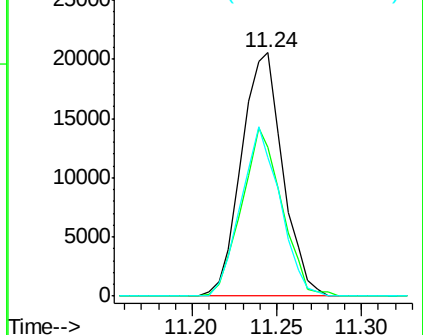


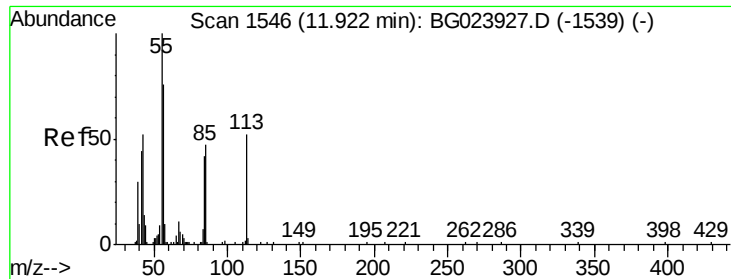
#34
Hexachlorobutadiene
Concen: 17.64 ng
RT: 11.24 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

Tgt Ion:	225	Resp:	35012
Ion	Ratio	Lower	Upper
225	100		
223	61.3	49.6	74.4
227	57.2	54.5	81.7



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





#35

Caprolactam

Concen: 18.04 ng

RT: 11.91 min Scan# 1544

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

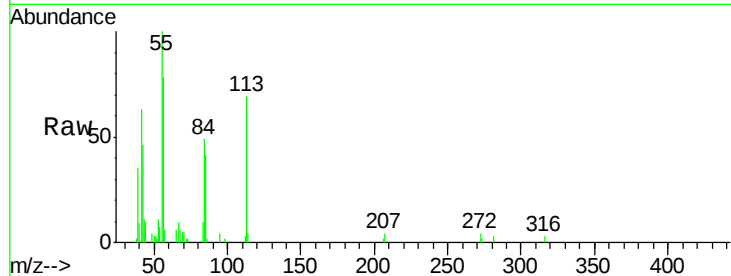
Tgt Ion:113 Resp: 15321

Ion Ratio Lower Upper

113 100

55 144.0 154.5 194.5#

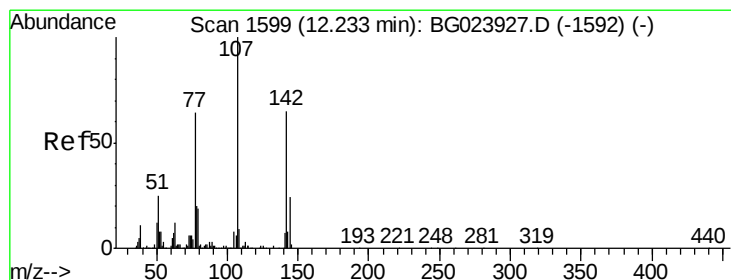
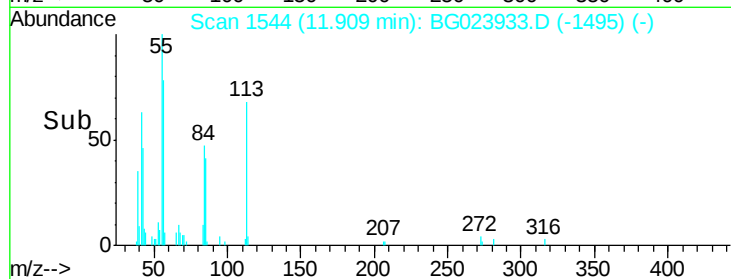
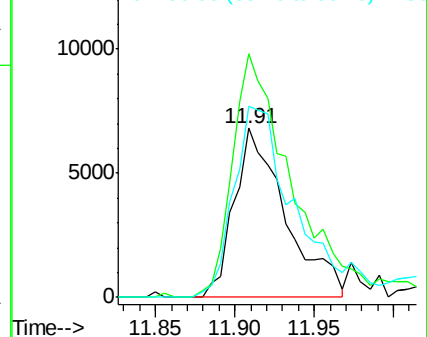
56 113.0 125.1 165.1#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 20.40 ng

RT: 12.23 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

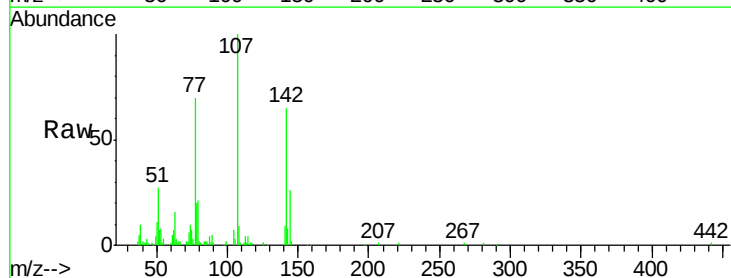
Tgt Ion:107 Resp: 65687

Ion Ratio Lower Upper

107 100

144 26.4 17.0 25.6#

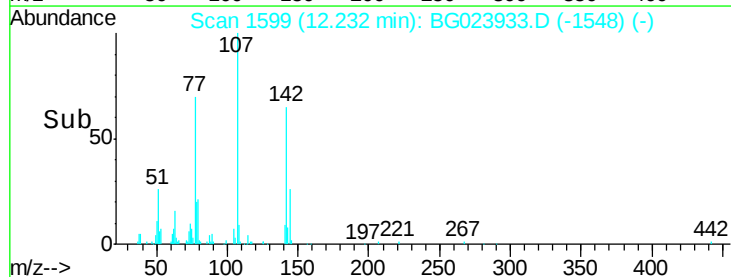
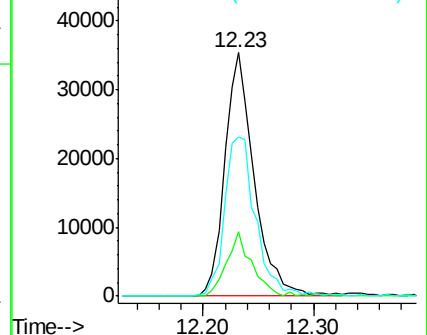
142 65.4 53.0 79.6

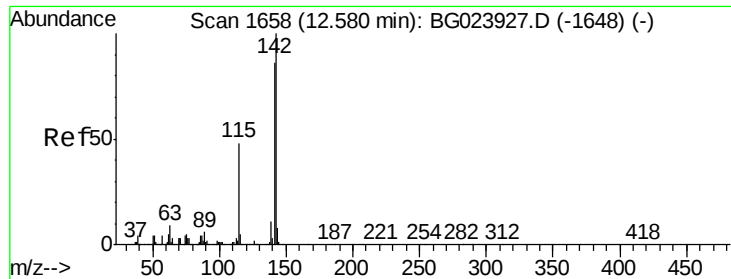


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

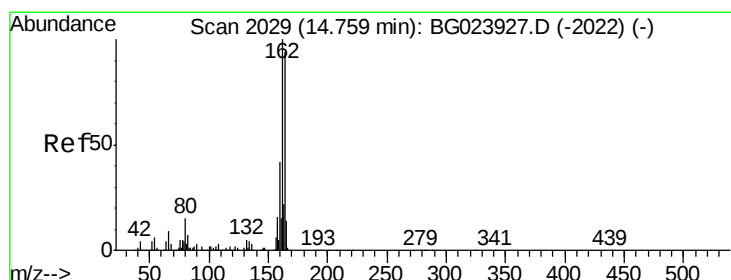
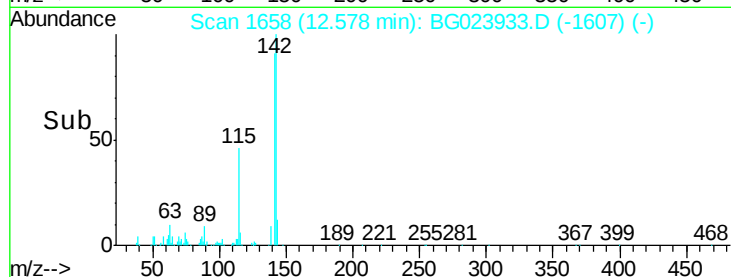
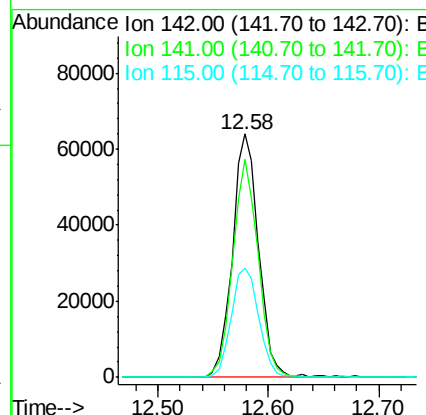
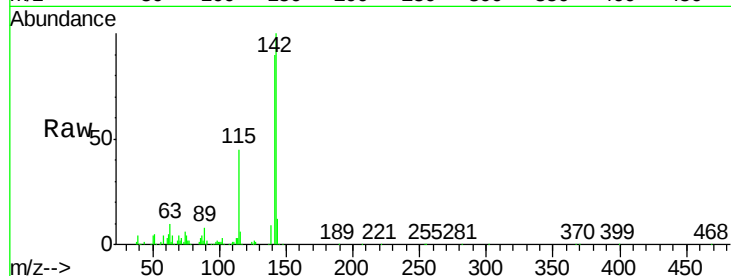




#37
 2-Methylnaphthalene
 Concen: 18.53 ng
 RT: 12.58 min Scan# 1658
 Delta R.T. -0.00 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

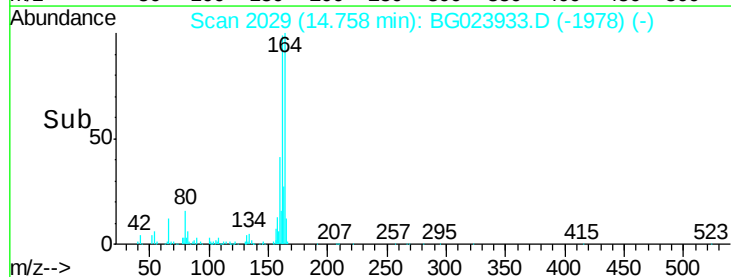
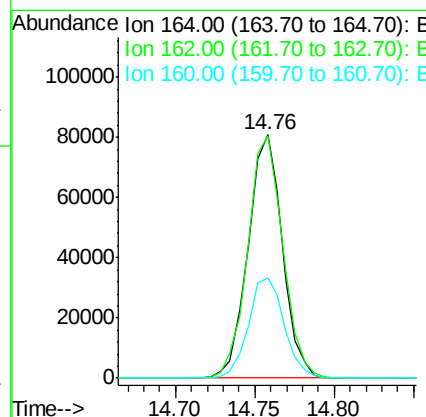
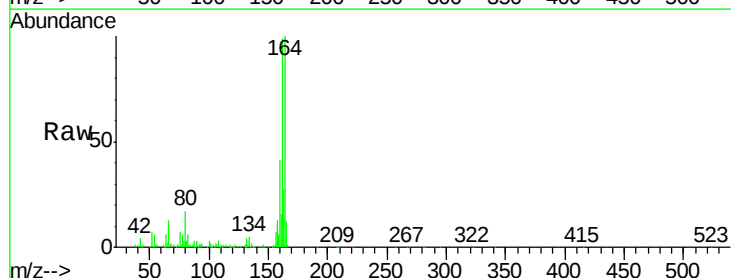
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

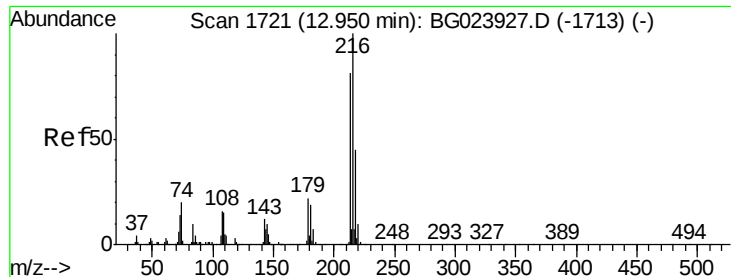
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.2	105.2
115	45.0	41.7	62.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.76 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	87.7	131.5
160	41.2	37.2	55.8





#39

1,2,4,5-Tetrachlorobenzene

Concen: 17.08 ng

RT: 12.94 min Scan# 1720

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:216 Resp: 68741

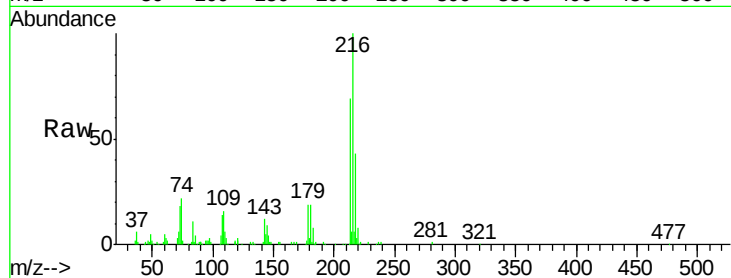
Ion Ratio Lower Upper

216 100

214 79.0 62.9 94.3

179 21.0 17.2 25.8

108 18.3 16.3 24.5

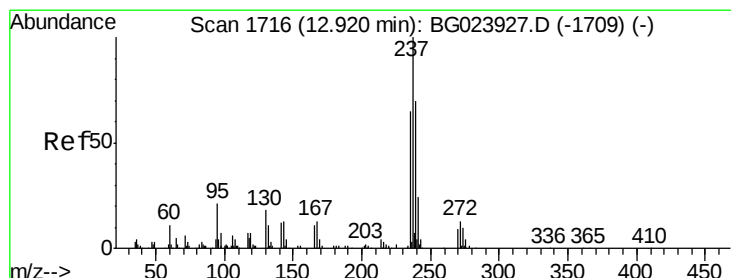
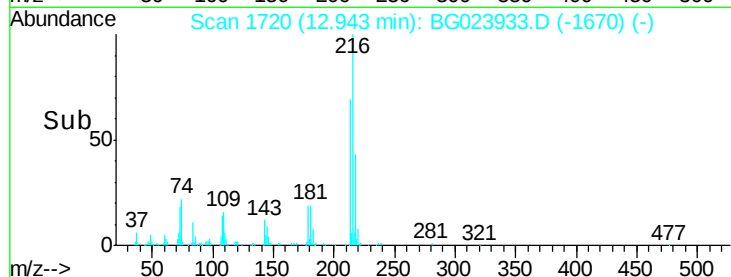
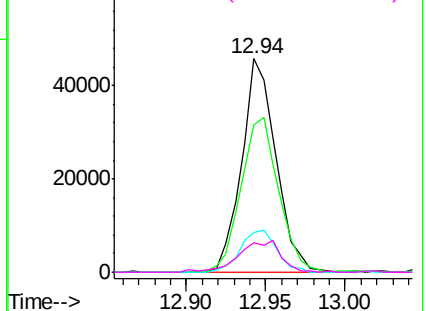


Abundance Ion 216.00 (215.70 to 216.70): E

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: 17.10 ng

RT: 12.91 min Scan# 1715

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

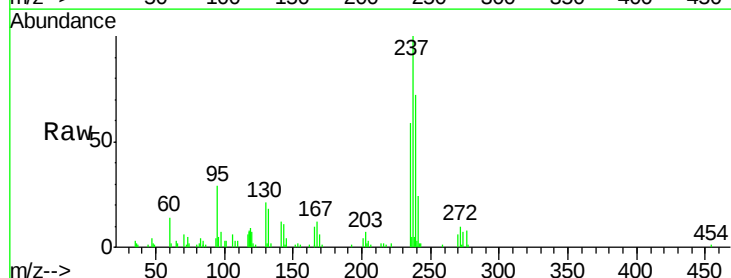
Tgt Ion:237 Resp: 26663

Ion Ratio Lower Upper

237 100

235 59.3 43.1 83.1

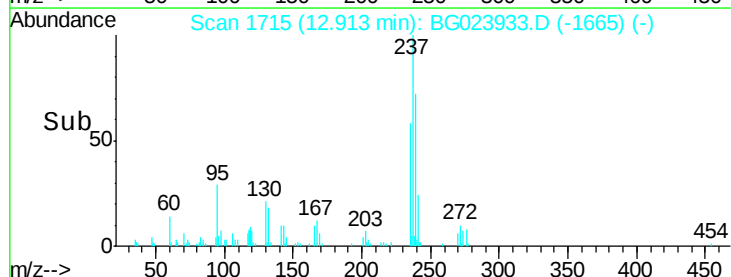
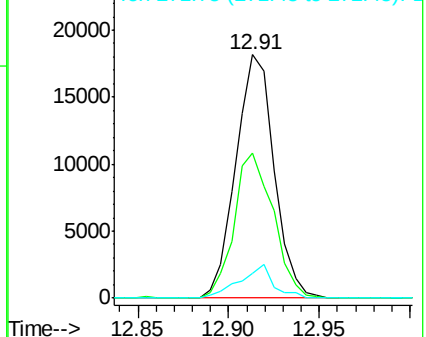
272 10.0 0.0 30.9

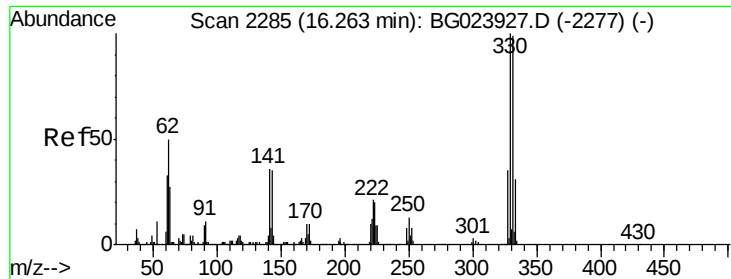


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

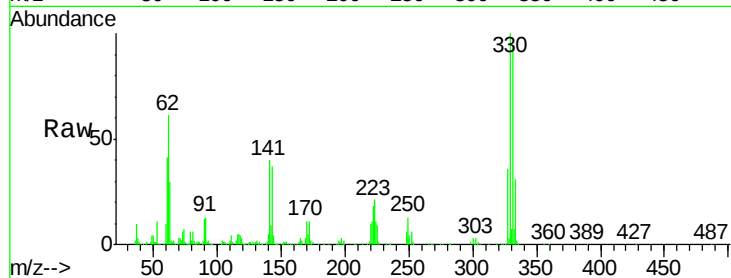




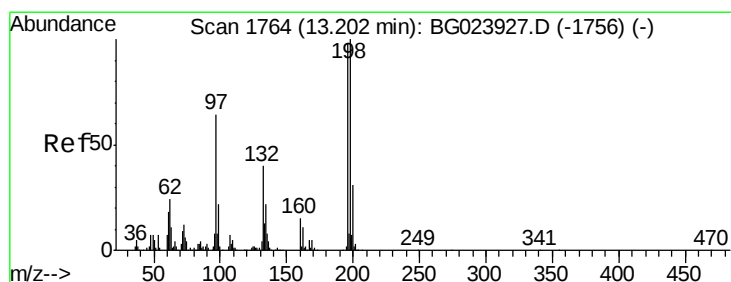
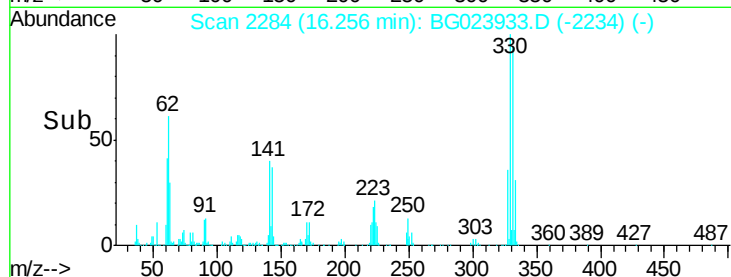
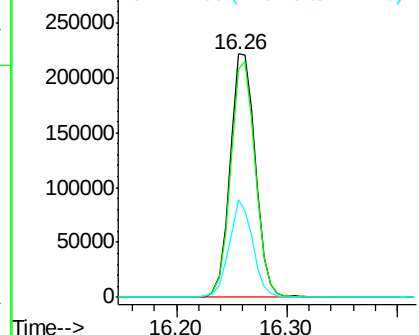
#41
 2,4,6-Tribromophenol
 Concen: 162.55 ng
 RT: 16.26 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:330 Resp: 355133
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.4 116.2
 141 37.5 31.7 47.5

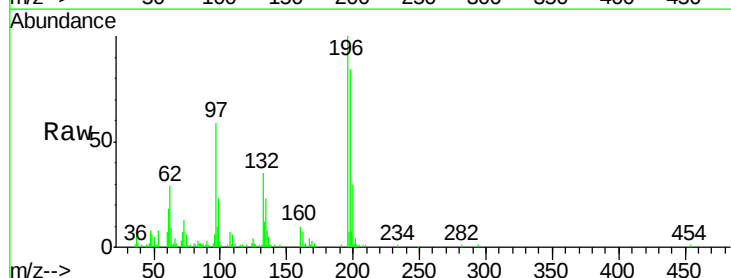


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

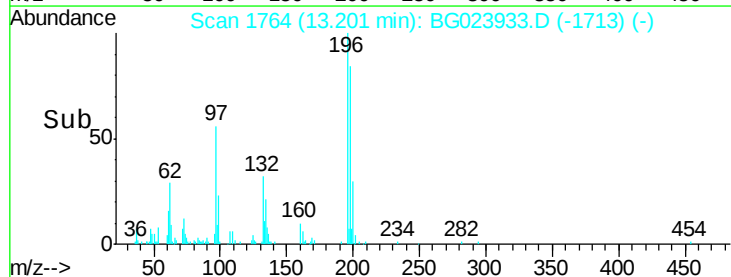
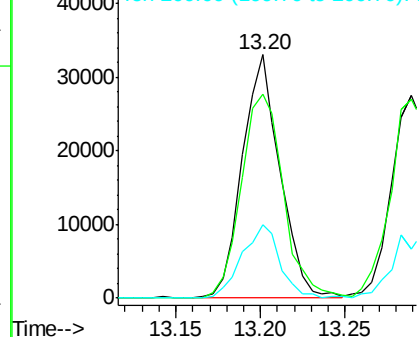


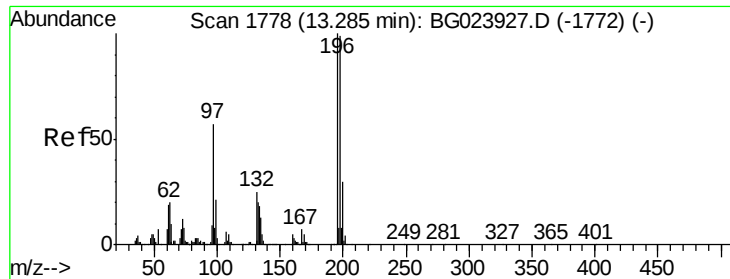
#42
 2,4,6-Trichlorophenol
 Concen: 19.11 ng
 RT: 13.20 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

Tgt Ion:196 Resp: 51340
 Ion Ratio Lower Upper
 196 100
 198 83.7 78.2 117.2
 200 30.2 27.0 40.4



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

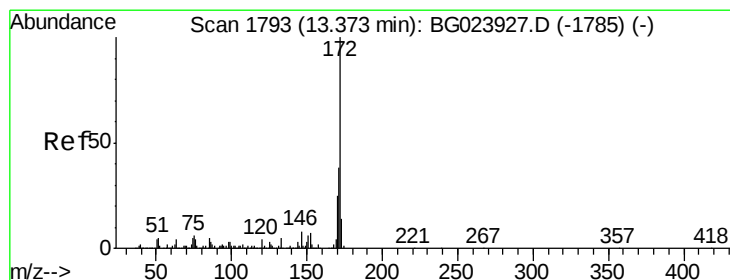
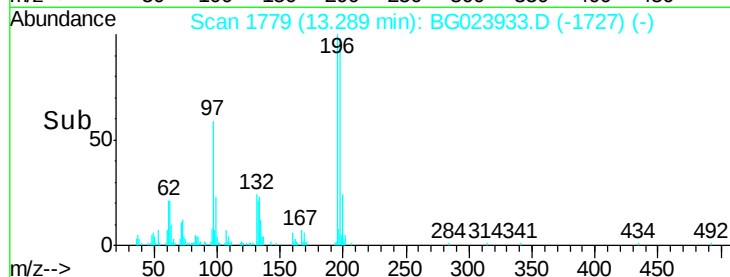
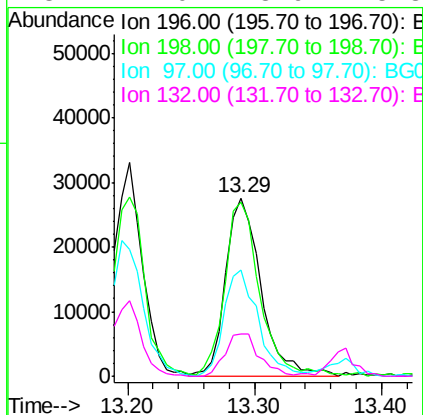
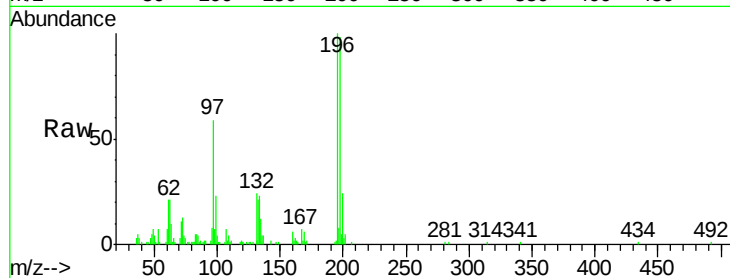




#43
2,4,5-Trichlorophenol
Concen: 19.65 ng
RT: 13.29 min Scan# 1779
Delta R.T. 0.00 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

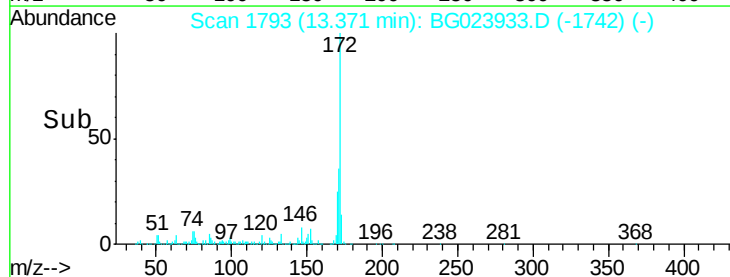
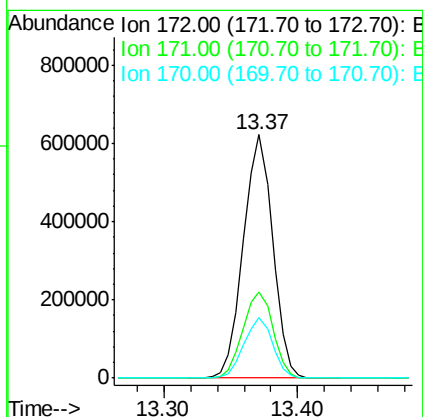
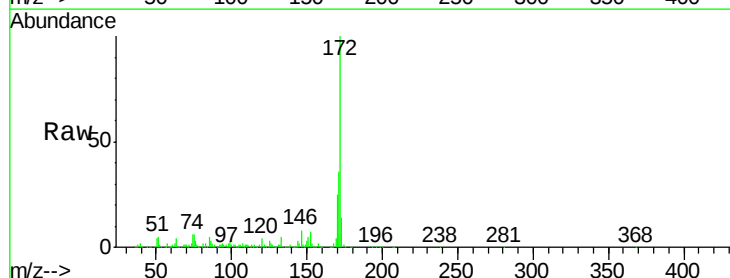
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

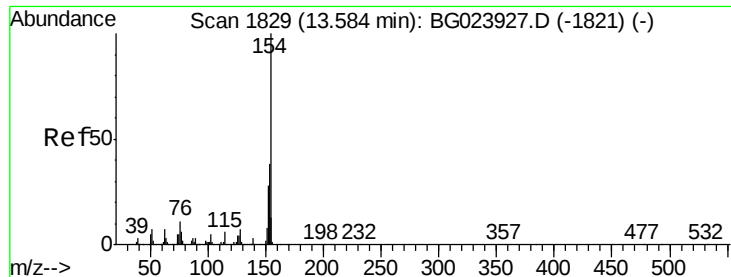
Tgt Ion:196 Resp: 53354
Ion Ratio Lower Upper
196 100
198 98.1 85.7 128.5
97 59.4 45.5 68.3
132 24.0 18.9 28.3



#44
2-Fluorobiphenyl
Concen: 111.38 ng
RT: 13.37 min Scan# 1793
Delta R.T. -0.00 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

Tgt Ion:172 Resp: 942081
Ion Ratio Lower Upper
172 100
171 35.6 31.6 47.4
170 25.0 21.3 31.9

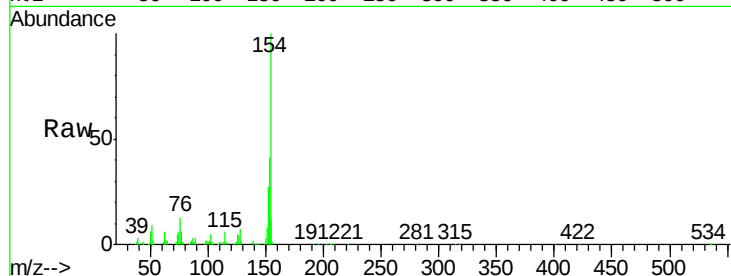




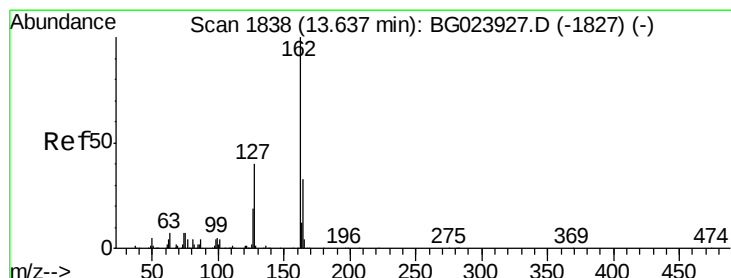
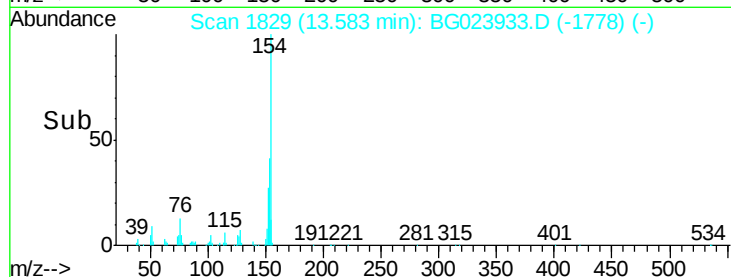
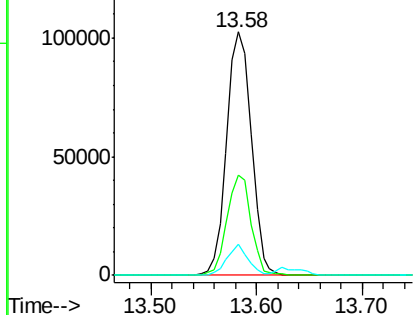
#45
 1,1'-Biphenyl
 Concen: 17.00 ng
 RT: 13.58 min Scan# 1829
 Delta R.T. -0.00 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.2	60.2
76	13.0	0.0	32.9

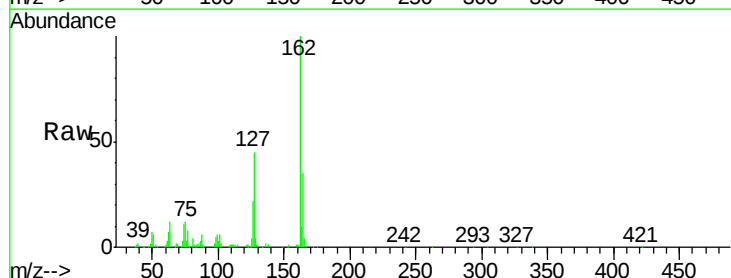


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

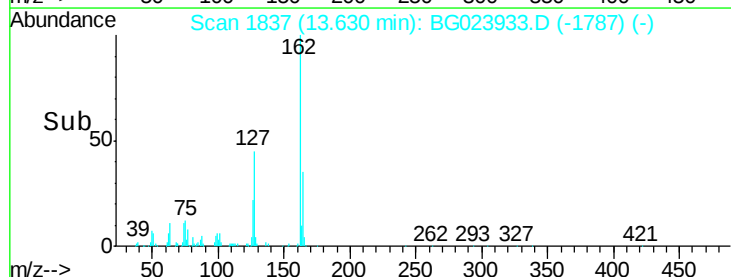
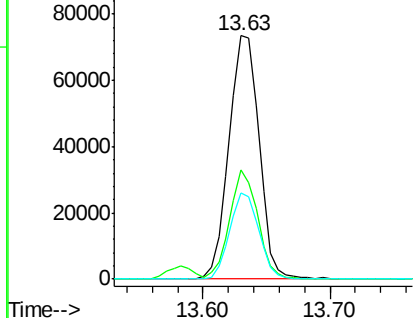


#46
 2-Chloronaphthalene
 Concen: 16.87 ng
 RT: 13.63 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

Tgt Ion	Ratio	Lower	Upper
162	100		
127	44.8	32.4	48.6
164	35.2	25.2	37.8



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 18.25 ng

RT: 13.85 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

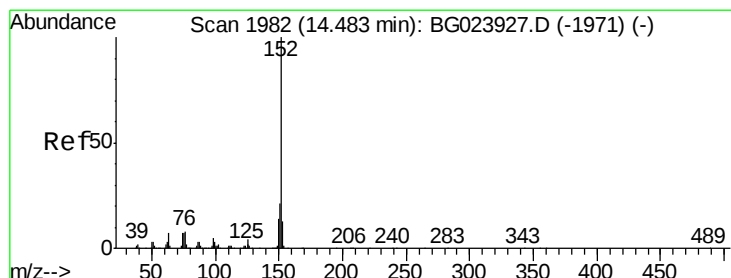
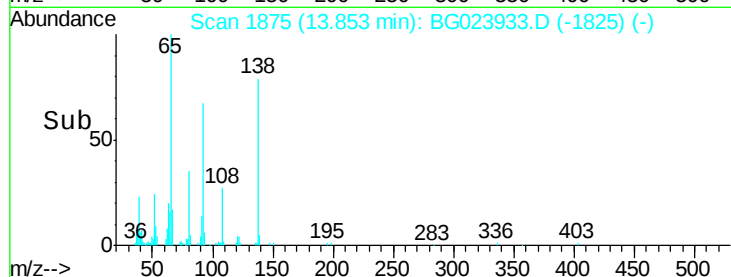
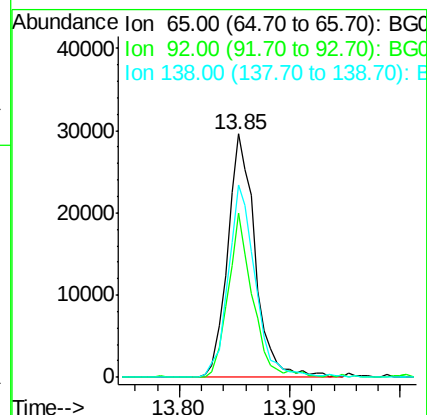
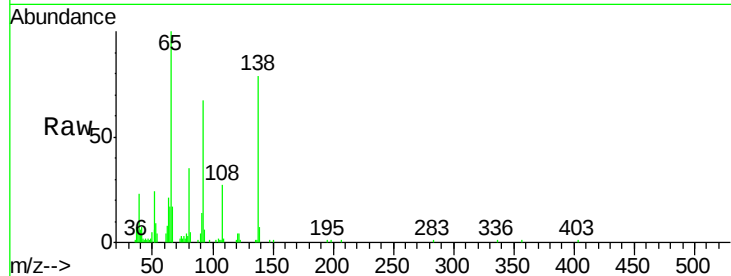
Tgt Ion: 65 Resp: 51482

Ion Ratio Lower Upper

65 100

92 67.5 49.4 74.0

138 78.9 58.0 87.0



#48

Acenaphthylene

Concen: 17.46 ng

RT: 14.48 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

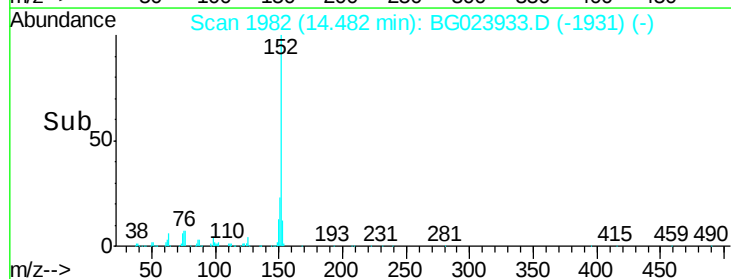
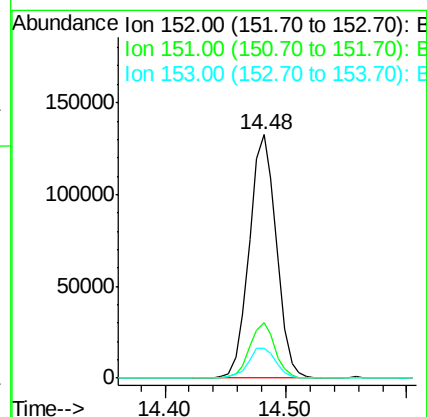
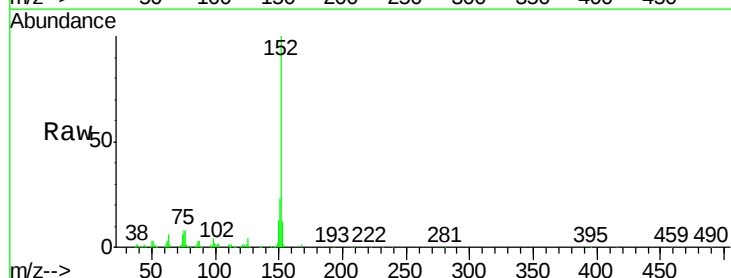
Tgt Ion: 152 Resp: 208364

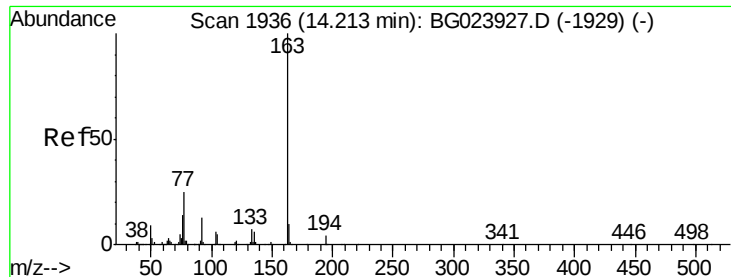
Ion Ratio Lower Upper

152 100

151 22.8 17.6 26.4

153 12.4 11.4 17.2





#49

Dimethylphthalate

Concen: 16.69 ng

RT: 14.21 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

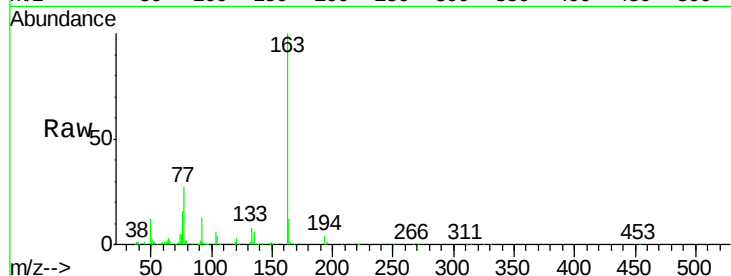
Tgt Ion:163 Resp: 173592

Ion Ratio Lower Upper

163 100

194 3.8 3.6 5.4

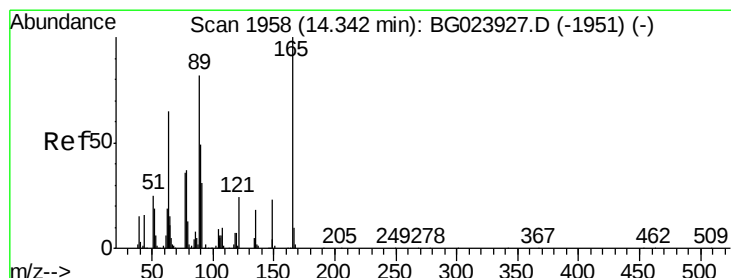
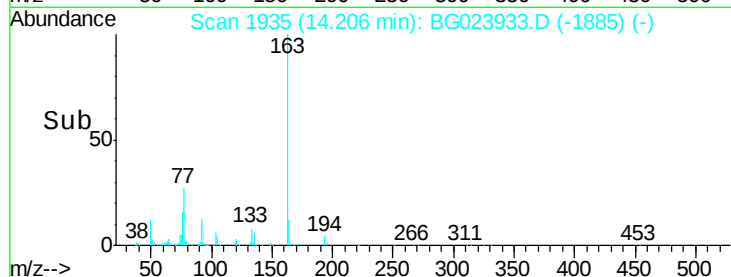
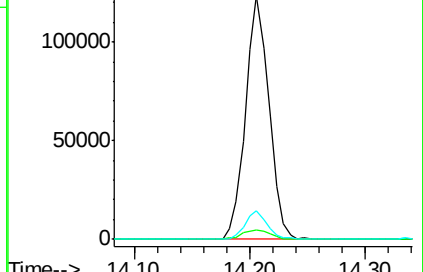
164 11.7 8.1 12.1



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: 16.78 ng

RT: 14.33 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

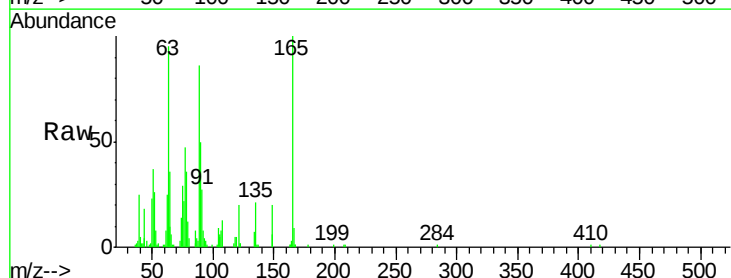
Tgt Ion:165 Resp: 36840

Ion Ratio Lower Upper

165 100

63 95.4 64.3 96.5

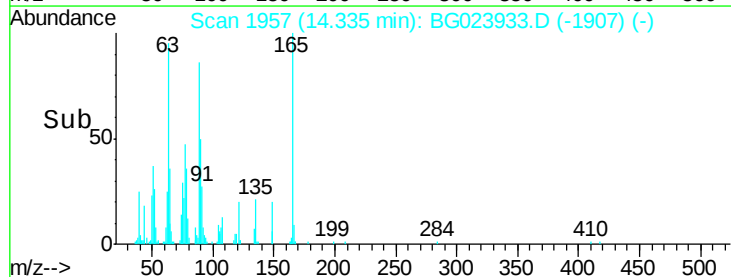
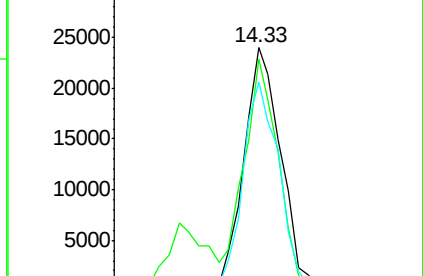
89 85.7 64.3 96.5

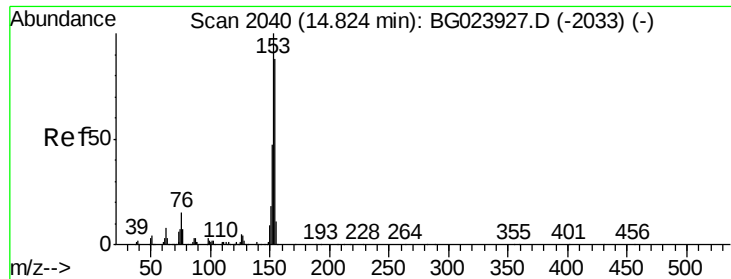


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 16.99 ng

RT: 14.82 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

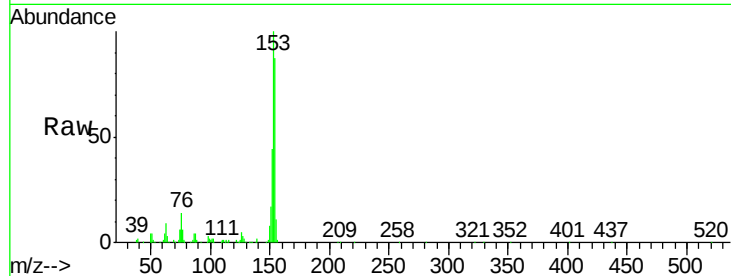
Tgt Ion:154 Resp: 125382

Ion Ratio Lower Upper

154 100

153 115.4 87.5 131.3

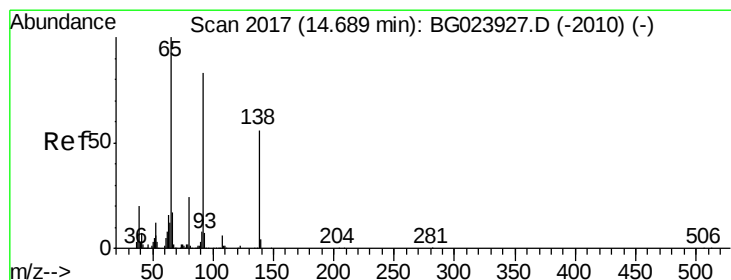
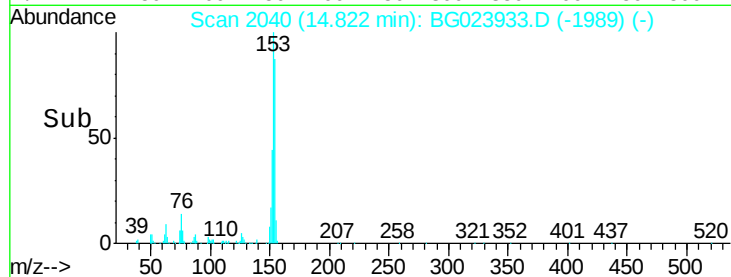
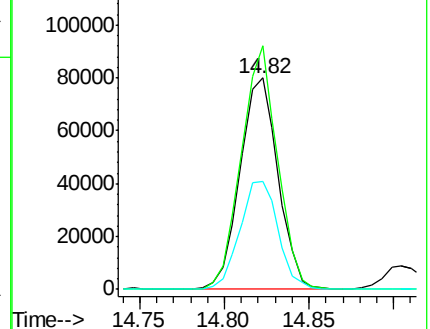
152 50.9 42.7 64.1



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: 15.05 ng

RT: 14.68 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

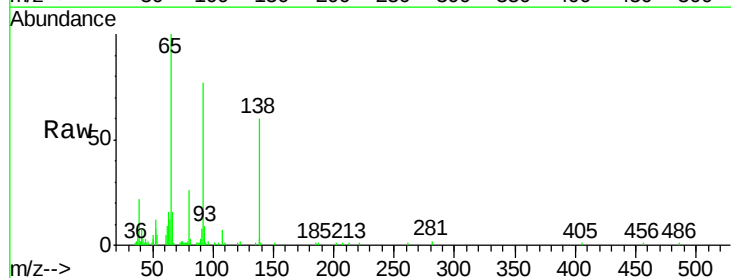
Tgt Ion:138 Resp: 30897

Ion Ratio Lower Upper

138 100

108 11.2 11.7 17.5#

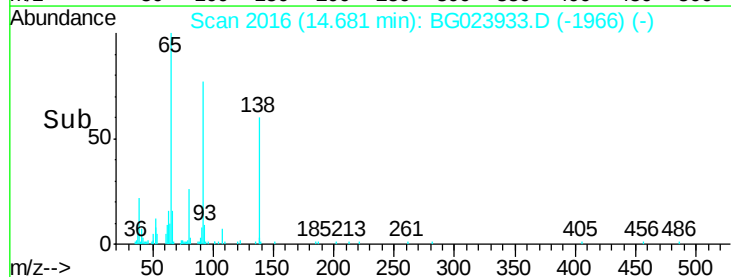
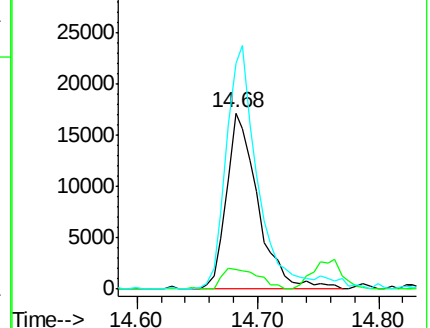
92 128.5 129.7 194.5#

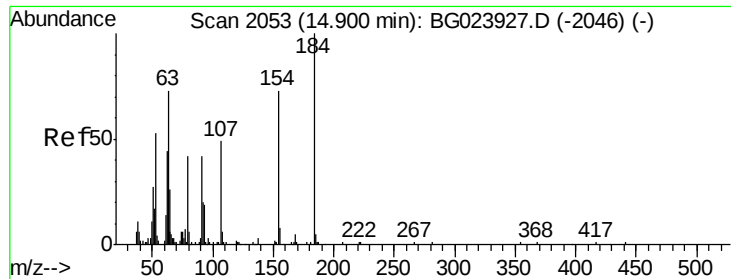


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

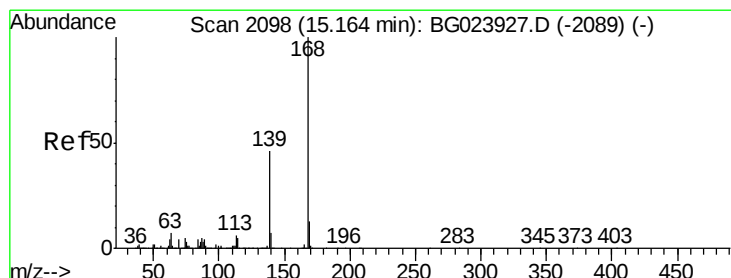
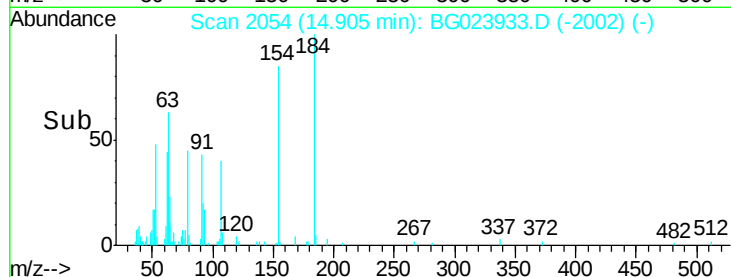
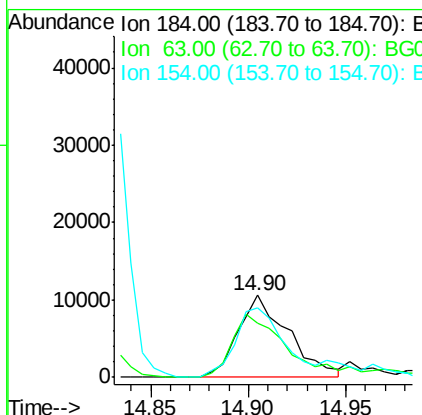
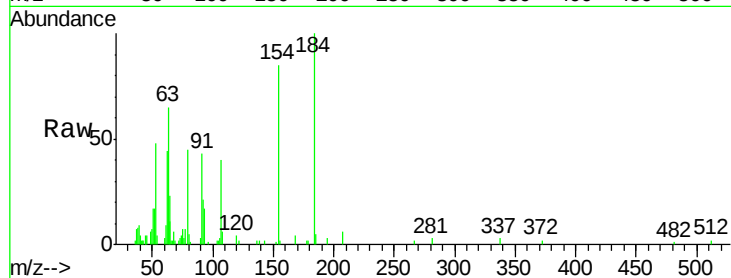




#53
2,4-Dinitrophenol
Concen: 17.31 ng
RT: 14.90 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

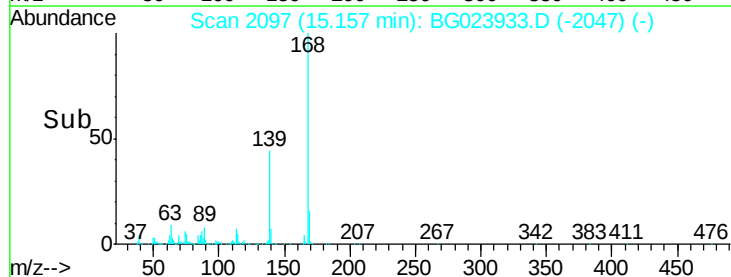
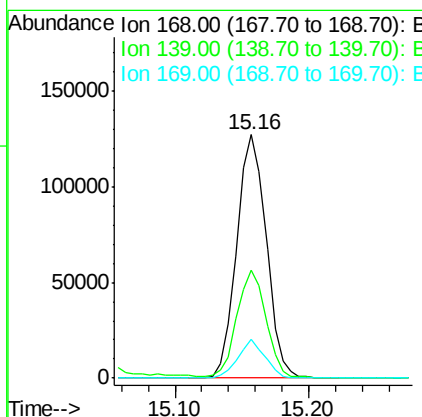
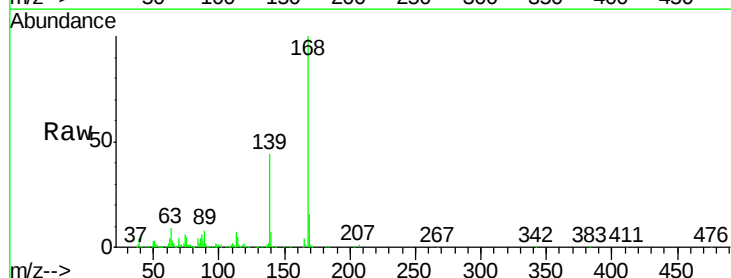
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

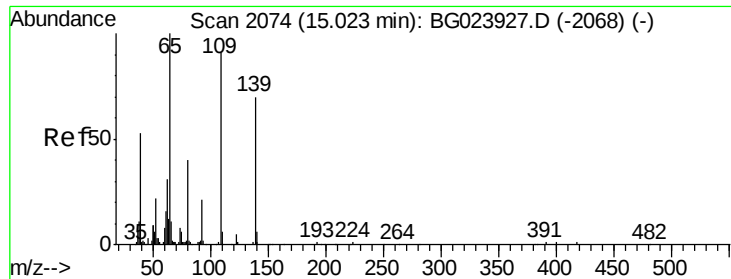
Tgt Ion:184 Resp: 18868
Ion Ratio Lower Upper
184 100
63 65.1 59.6 89.4
154 85.1 67.4 101.0



#54
Dibenzofuran
Concen: 16.98 ng
RT: 15.16 min Scan# 2097
Delta R.T. -0.01 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

Tgt Ion:168 Resp: 195585
Ion Ratio Lower Upper
168 100
139 44.4 36.4 54.6
169 16.0 11.9 17.9





#55

4-Nitrophenol

Concen: 15.55 ng

RT: 15.04 min Scan# 2077

Delta R.T. 0.02 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

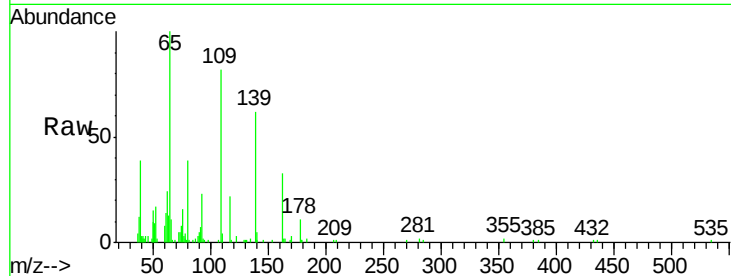
Tgt Ion:139 Resp: 25409

Ion Ratio Lower Upper

139 100

109 133.0 103.0 143.0

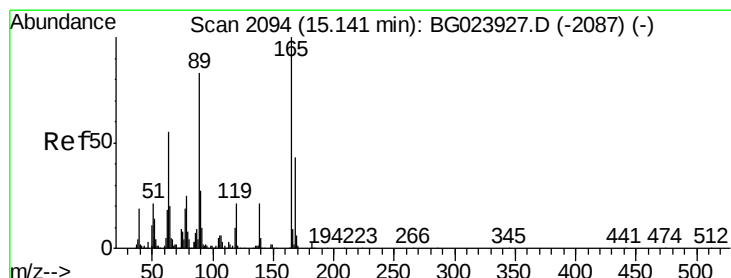
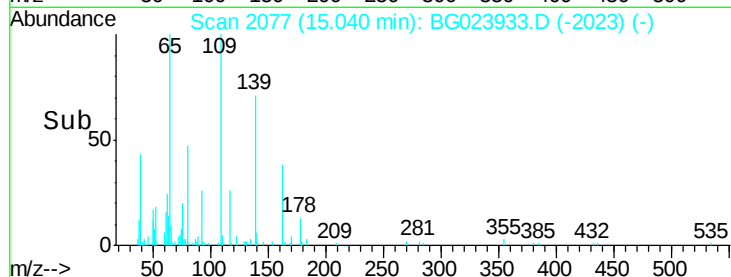
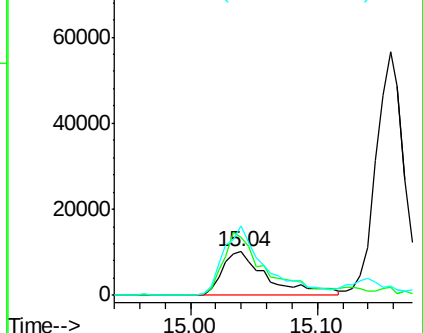
65 161.3 112.7 152.7#



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: 16.29 ng

RT: 15.13 min Scan# 2093

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Tgt Ion:165 Resp: 52549

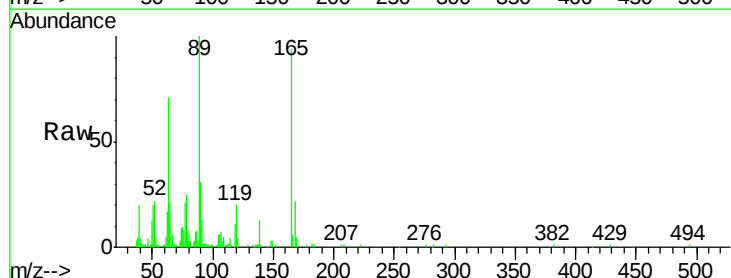
Ion Ratio Lower Upper

165 100

63 75.5 45.8 68.6#

89 106.1 68.6 102.8#

182 2.6 2.0 3.0

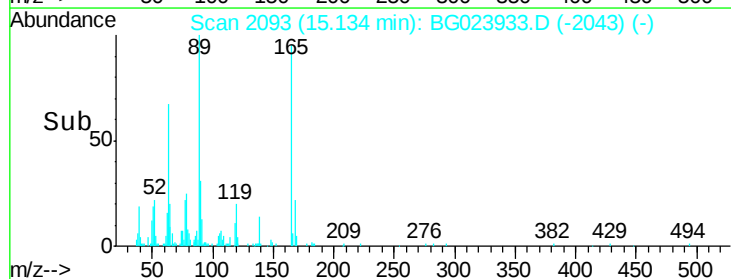
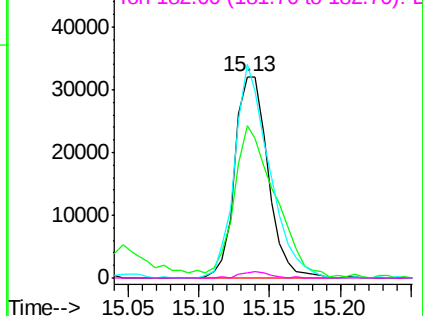


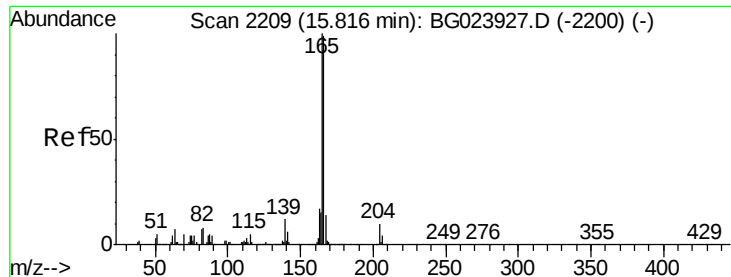
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 16.64 ng

RT: 15.81 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

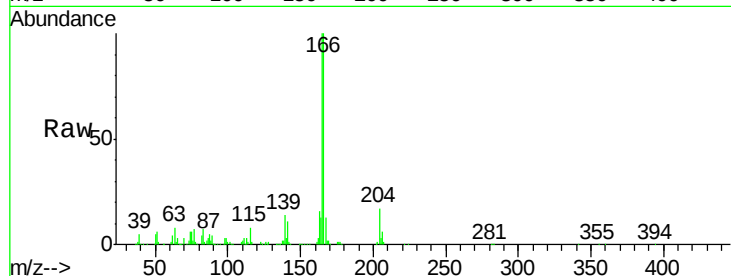
Tgt Ion:166 Resp: 166179

Ion Ratio Lower Upper

166 100

165 100.1 81.0 121.6

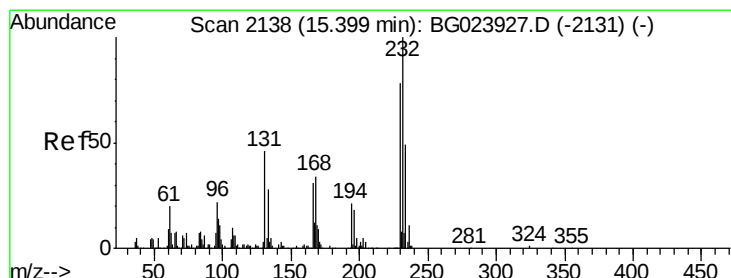
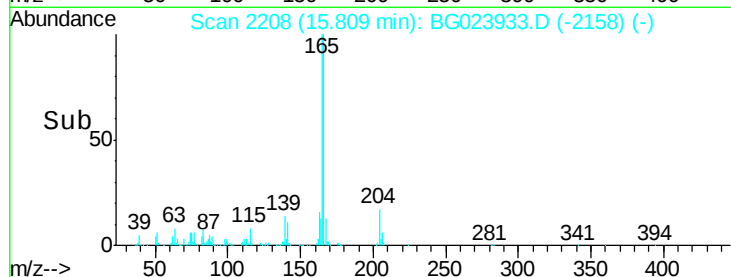
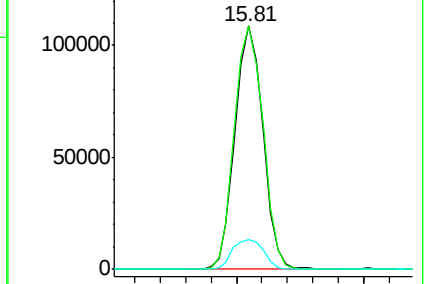
167 12.5 12.0 18.0



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: 17.96 ng

RT: 15.40 min Scan# 2138

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Tgt Ion:232 Resp: 49510

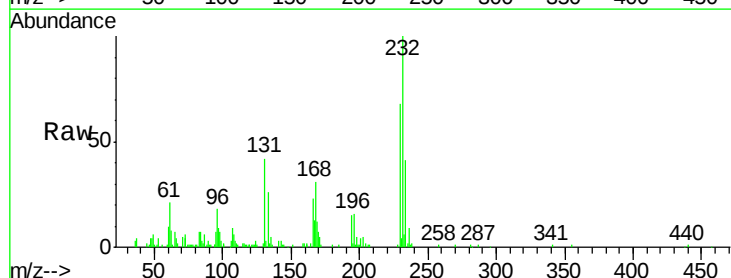
Ion Ratio Lower Upper

232 100

131 45.5 32.7 49.1

130 3.3 2.6 3.8

166 28.8 23.0 34.6

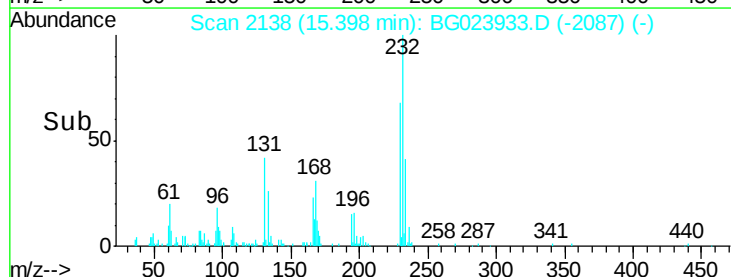
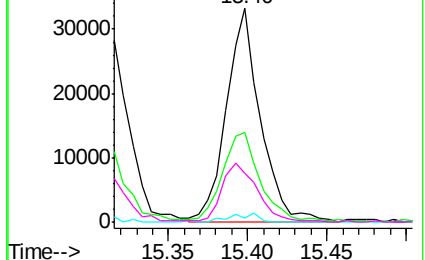


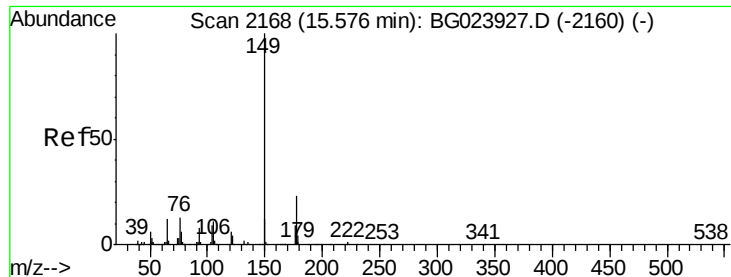
Abundance Ion 232.00 (231.70 to 232.70): E

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: 16.73 ng

RT: 15.57 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

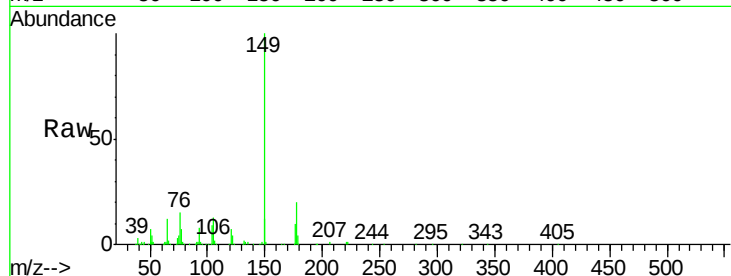
Tgt Ion:149 Resp: 185682

Ion Ratio Lower Upper

149 100

177 20.1 19.2 28.8

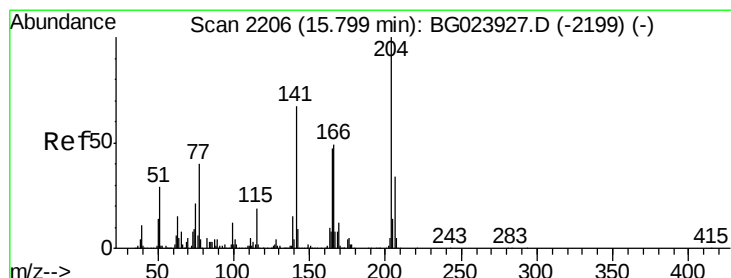
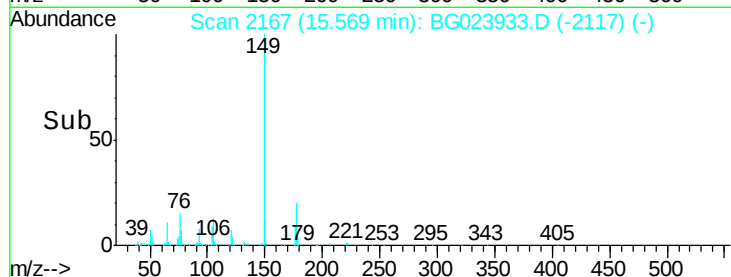
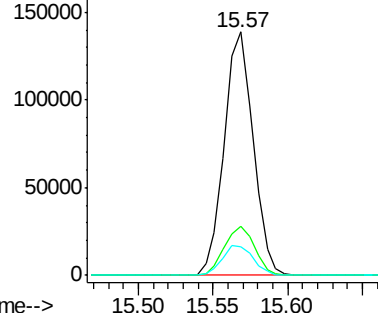
150 11.8 10.6 16.0



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: 17.41 ng

RT: 15.79 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

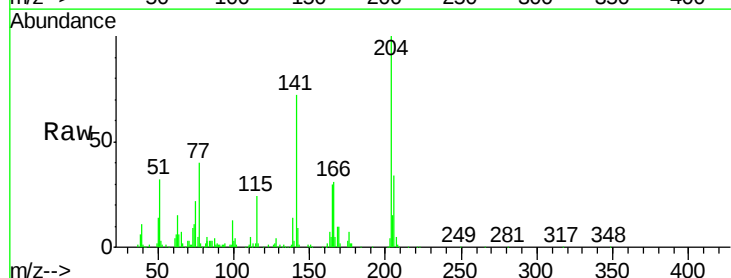
Tgt Ion:204 Resp: 93609

Ion Ratio Lower Upper

204 100

206 34.1 28.5 42.7

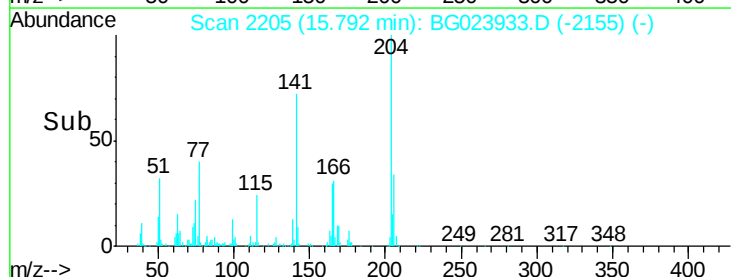
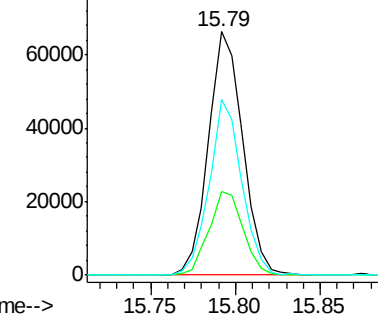
141 72.1 51.4 77.0

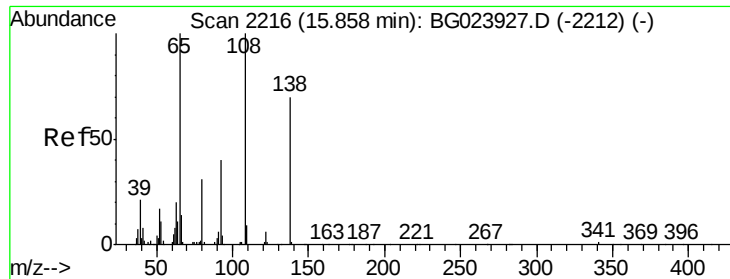


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

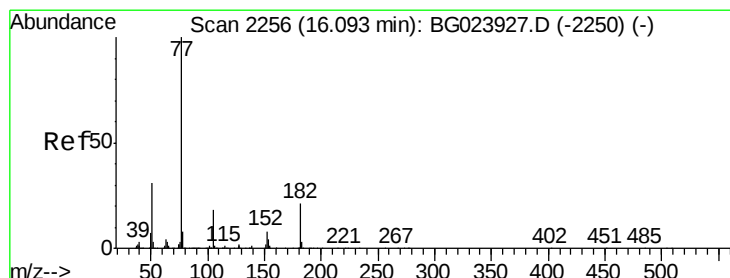
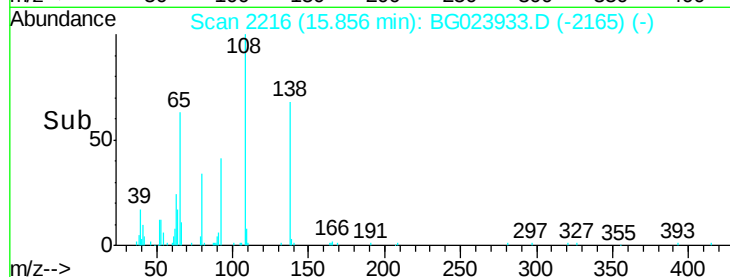
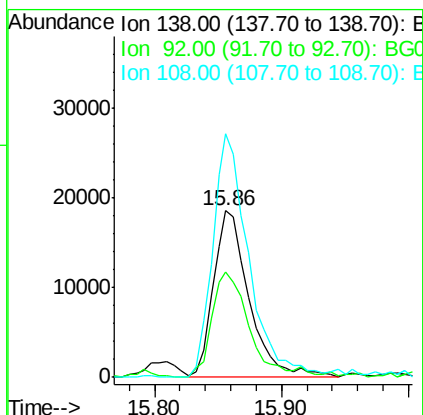
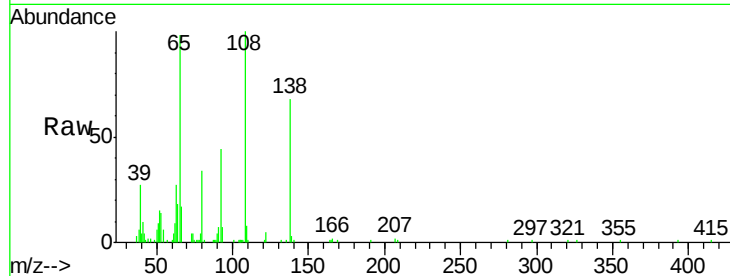




#61
4-Nitroaniline
Concen: 17.52 ng
RT: 15.86 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

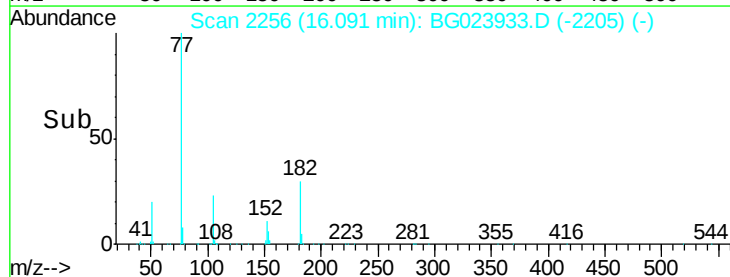
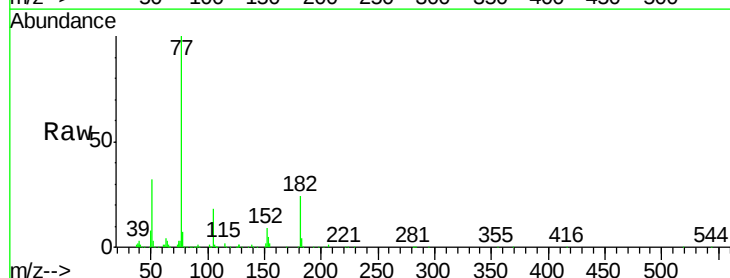
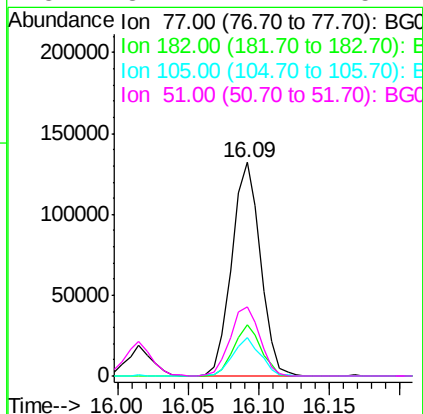
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

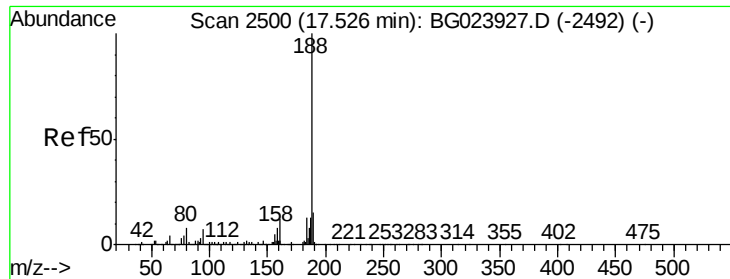
Tgt Ion:138 Resp: 36372
Ion Ratio Lower Upper
138 100
92 63.5 54.1 94.1
108 146.0 133.9 173.9



#62
Azobenzene
Concen: 17.40 ng
RT: 16.09 min Scan# 2256
Delta R.T. -0.00 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

Tgt Ion: 77 Resp: 187017
Ion Ratio Lower Upper
77 100
182 24.2 3.5 43.5
105 18.1 0.0 38.5
51 32.1 17.1 57.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.52 min Scan# 2499

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

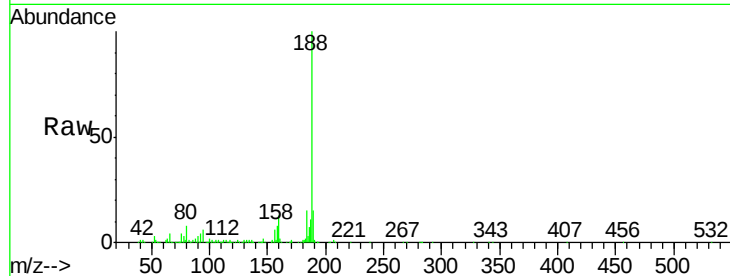
Tgt Ion:188 Resp: 318863

Ion Ratio Lower Upper

188 100

94 6.2 5.2 7.8

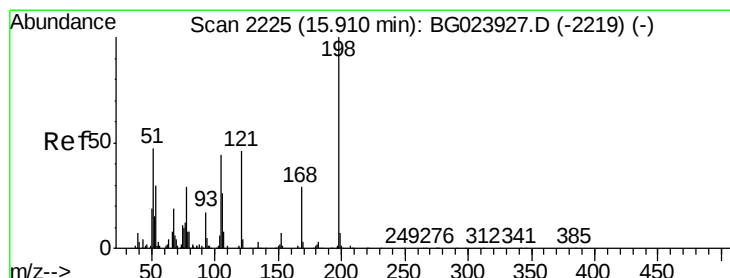
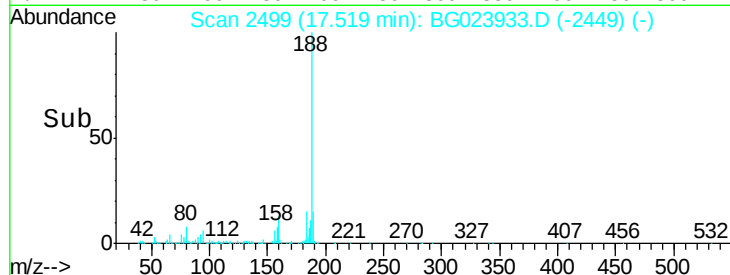
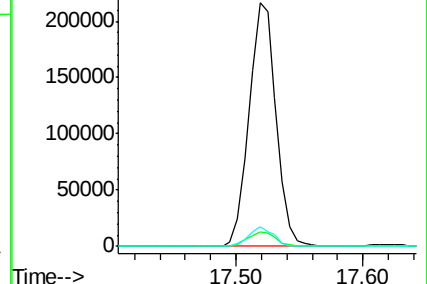
80 8.0 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 16.53 ng

RT: 15.91 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

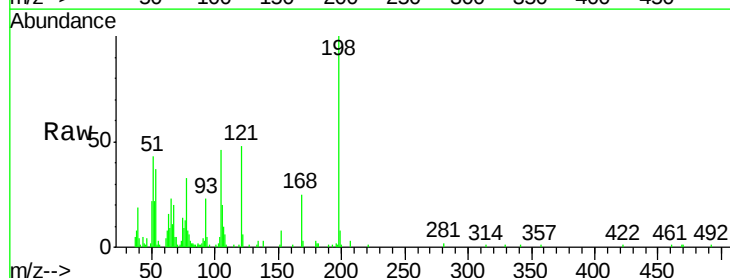
Tgt Ion:198 Resp: 36602

Ion Ratio Lower Upper

198 100

51 42.8 26.0 66.0

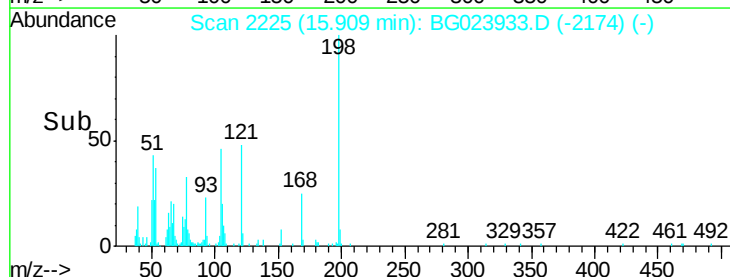
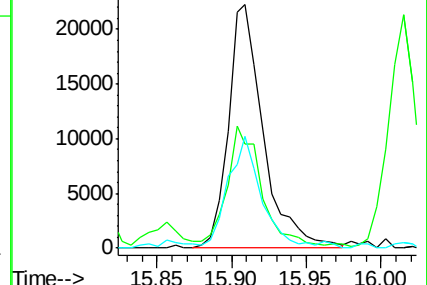
105 45.7 20.1 60.1



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 17.80 ng

RT: 16.01 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

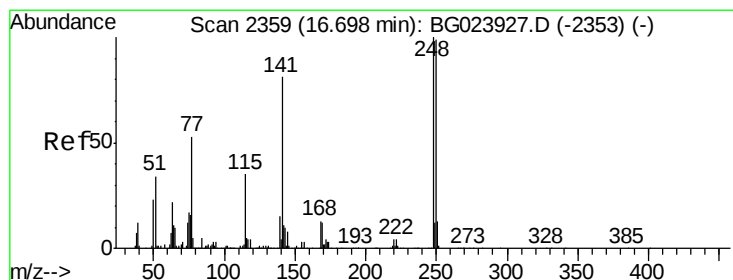
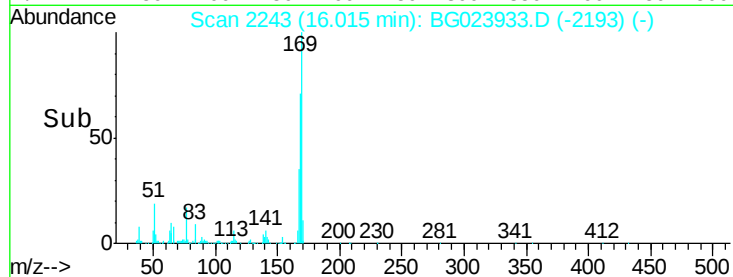
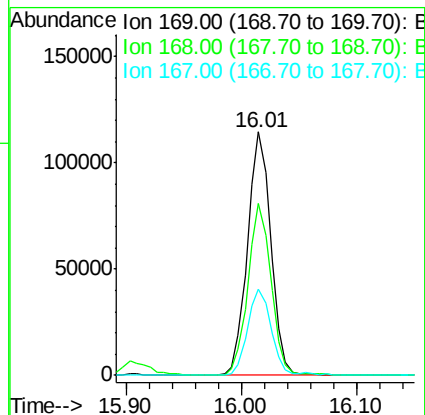
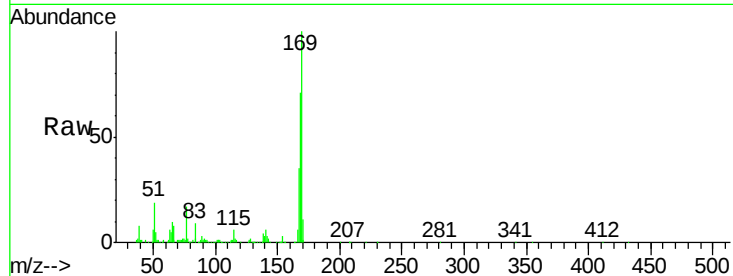
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:	169	Resp:	161244
Ion	Ratio	Lower	Upper
169	100		
168	70.8	55.0	82.4
167	35.4	27.4	41.0



#66

4-Bromophenyl-phenylether

Concen: 16.81 ng

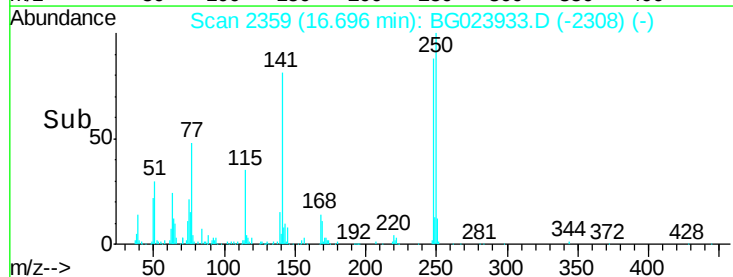
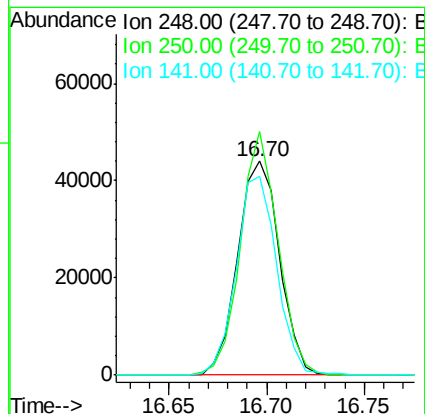
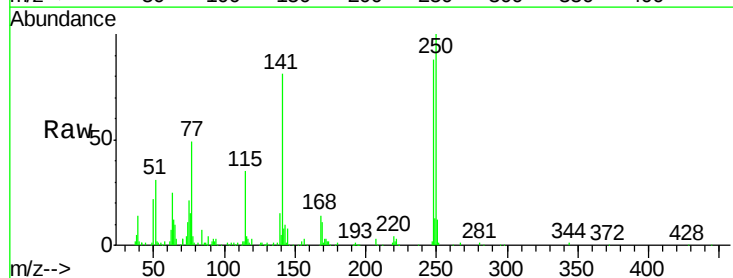
RT: 16.70 min Scan# 2359

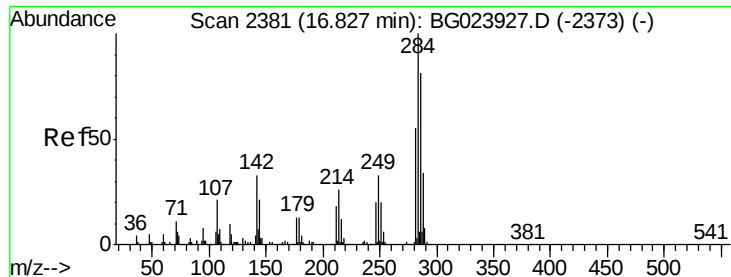
Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Tgt Ion:	248	Resp:	65210
Ion	Ratio	Lower	Upper
248	100		
250	114.0	77.8	116.8
141	92.8	65.7	98.5





#67

Hexachlorobenzene

Concen: 17.40 ng

RT: 16.82 min Scan# 2380

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

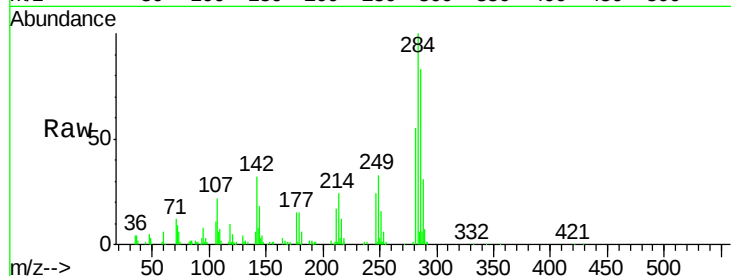
Tgt Ion:284 Resp: 79181

Ion Ratio Lower Upper

284 100

142 32.1 26.8 40.2

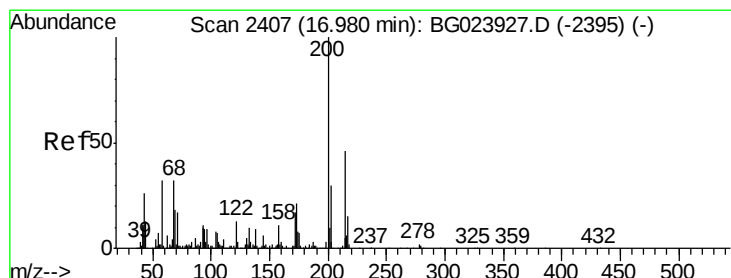
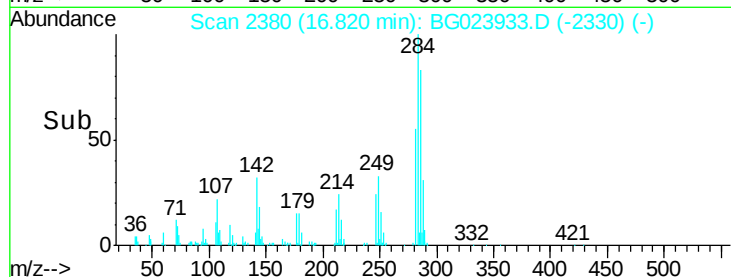
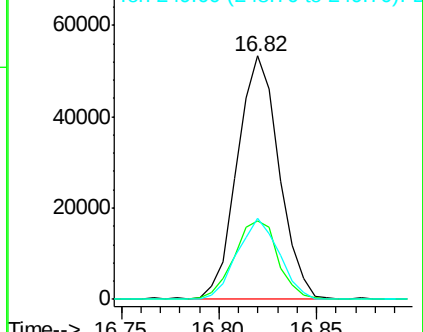
249 33.0 28.9 43.3



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: 17.61 ng

RT: 16.97 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

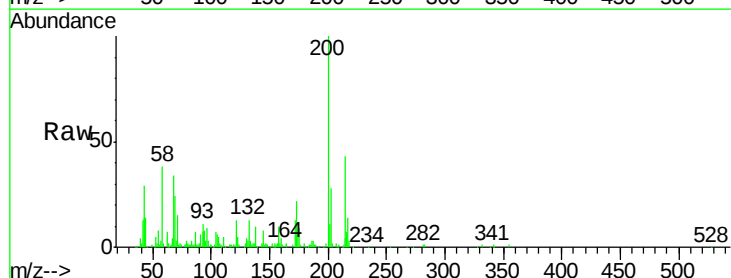
Tgt Ion:200 Resp: 68632

Ion Ratio Lower Upper

200 100

173 21.6 1.6 41.6

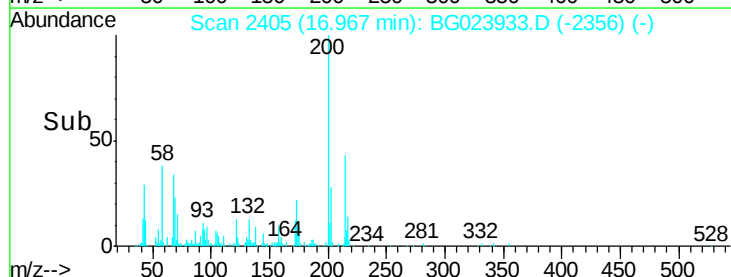
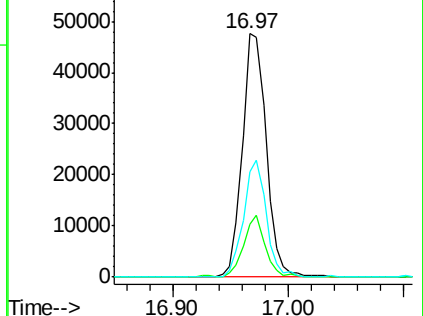
215 43.4 28.7 68.7



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 16.28 ng

RT: 17.18 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

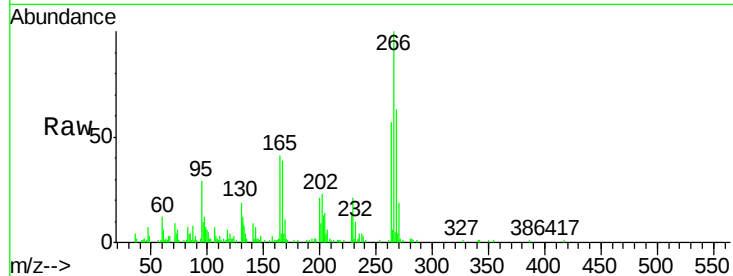
Tgt Ion:266 Resp: 39344

Ion Ratio Lower Upper

266 100

268 62.6 51.9 77.9

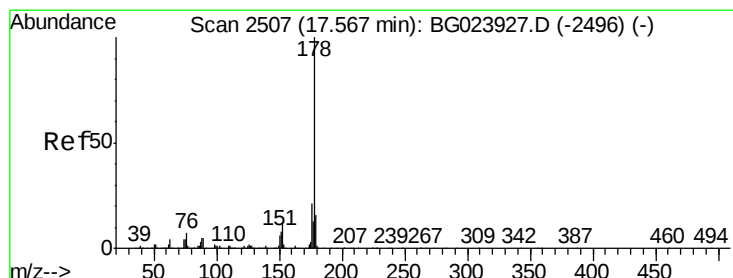
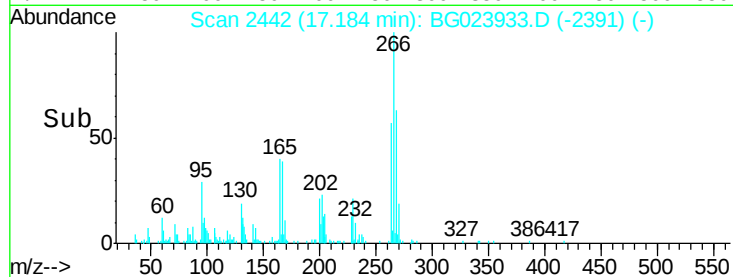
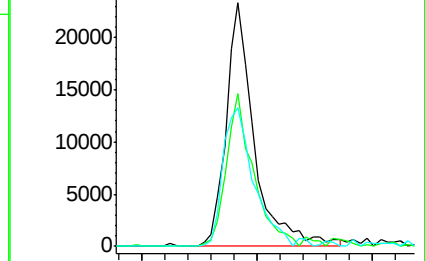
264 56.9 50.6 75.8



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 17.67 ng

RT: 17.57 min Scan# 2507

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

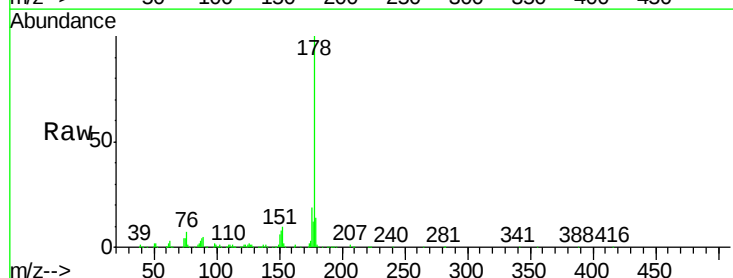
Tgt Ion:178 Resp: 293064

Ion Ratio Lower Upper

178 100

176 18.7 16.8 25.2

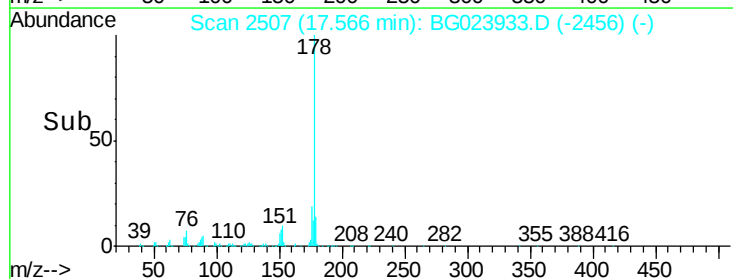
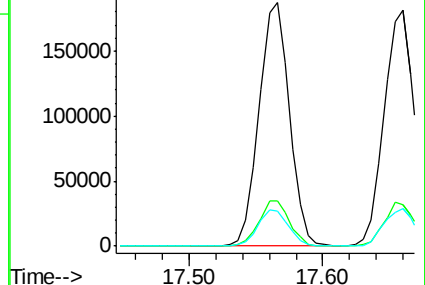
179 14.3 14.3 21.5

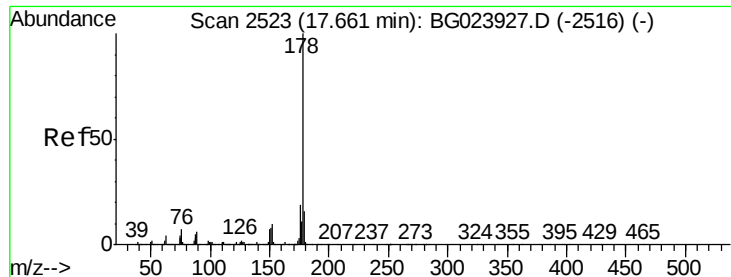


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

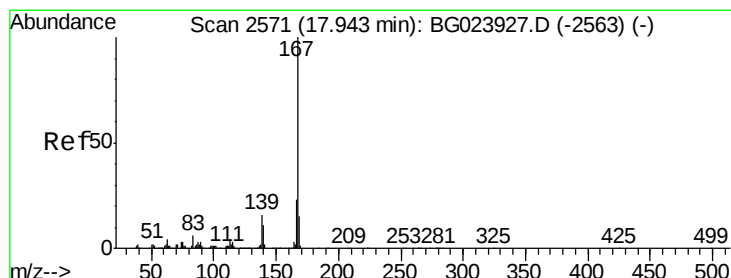
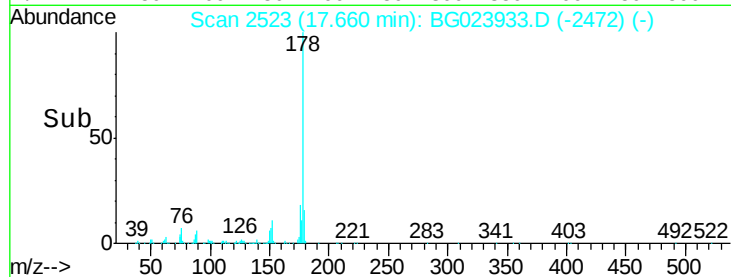
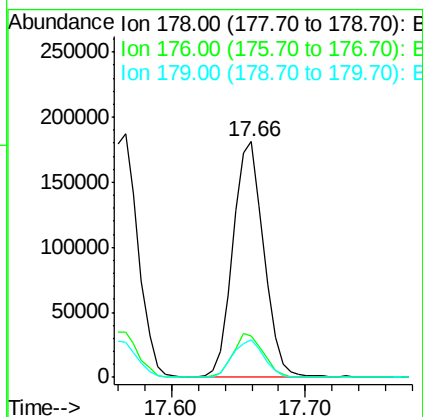
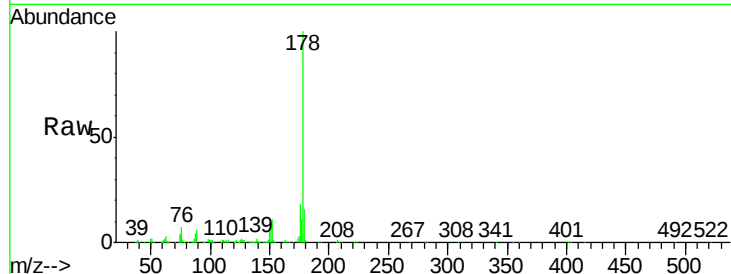




#71
 Anthracene
 Concen: 17.25 ng
 RT: 17.66 min Scan# 2523
 Delta R.T. -0.00 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

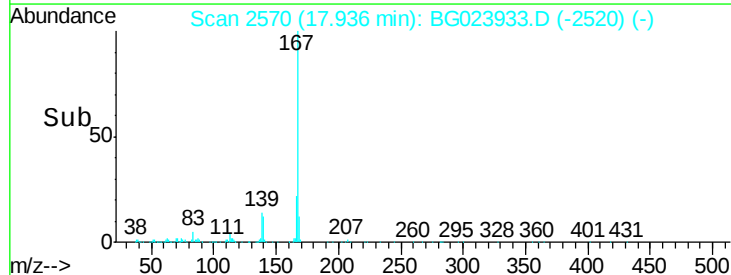
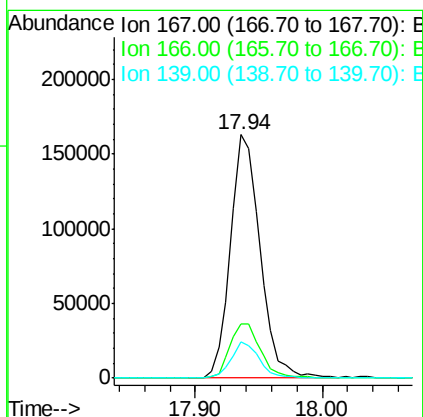
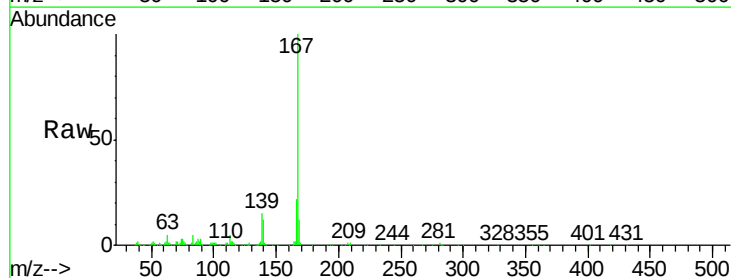
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

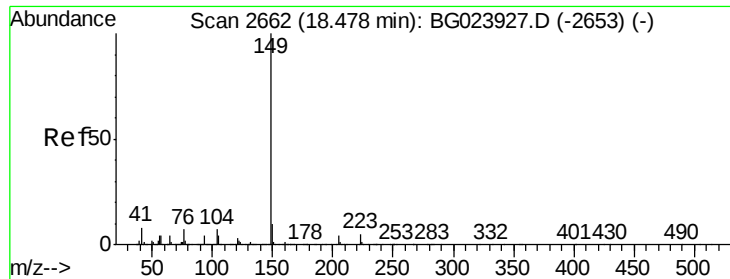
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	17.3	25.9
179	15.8	14.0	21.0



#72
 Carbazole
 Concen: 17.11 ng
 RT: 17.94 min Scan# 2570
 Delta R.T. -0.01 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	20.7	31.1
139	15.1	11.9	17.9

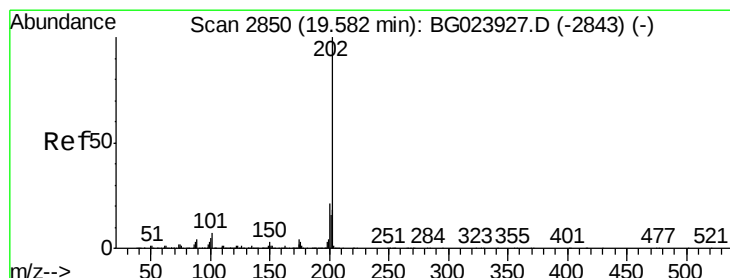
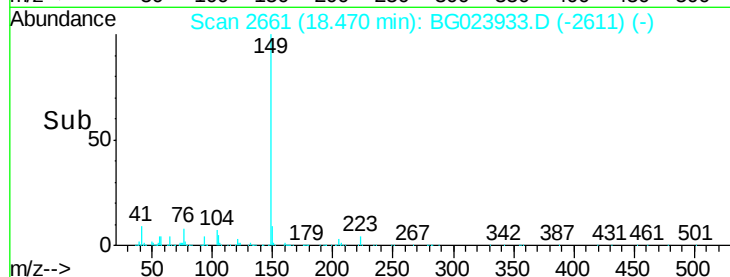
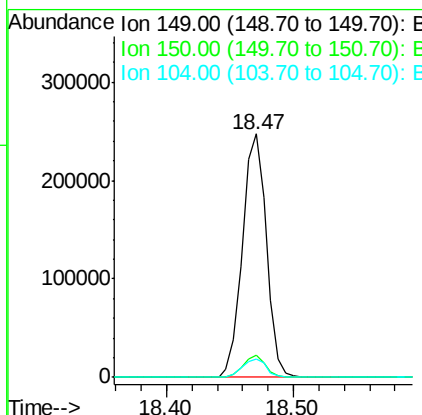
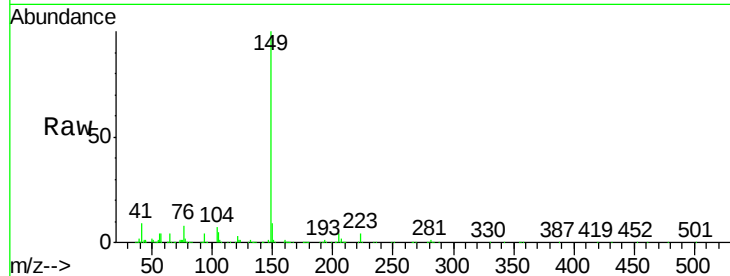




#73
Di-n-butylphthalate
Concen: 17.66 ng
RT: 18.47 min Scan# 2661
Delta R.T. -0.01 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

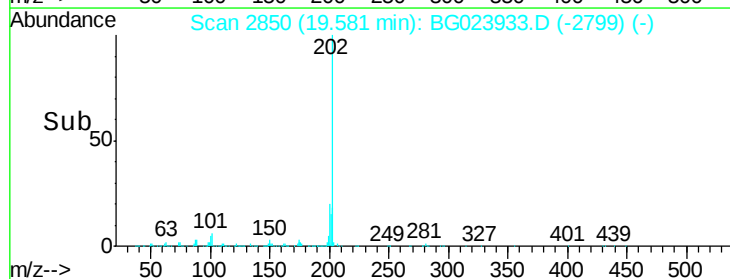
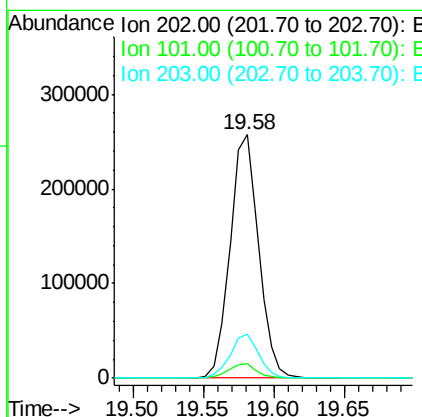
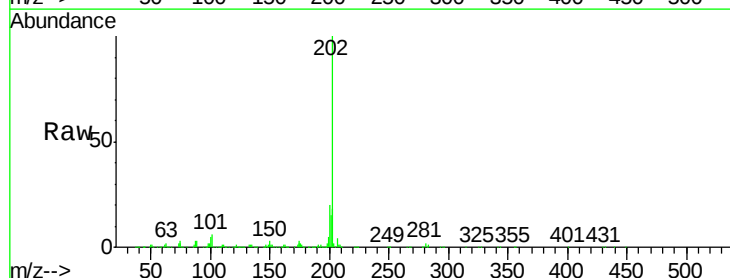
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

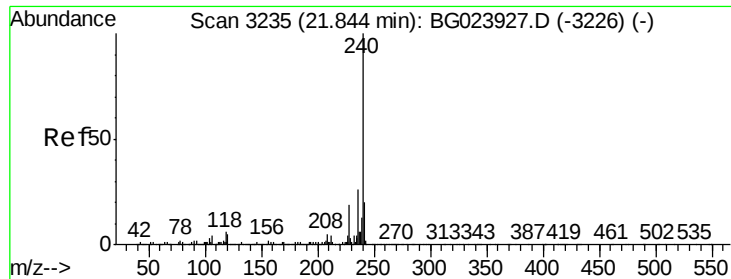
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	9.1	13.7
104	7.3	6.9	10.3



#74
Fluoranthene
Concen: 18.08 ng
RT: 19.58 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.8	0.0	27.4
203	18.2	1.7	41.7

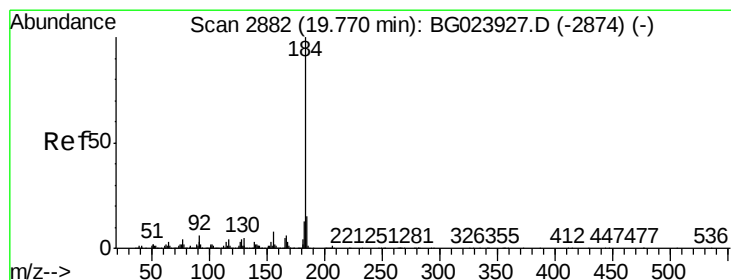
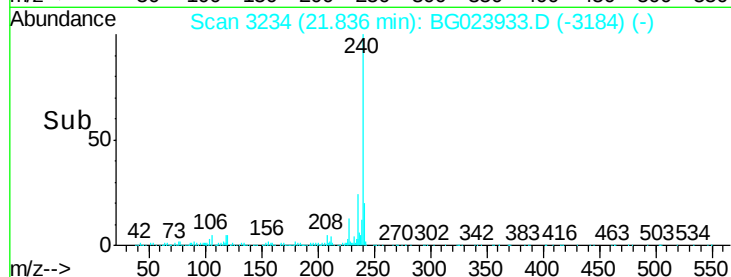
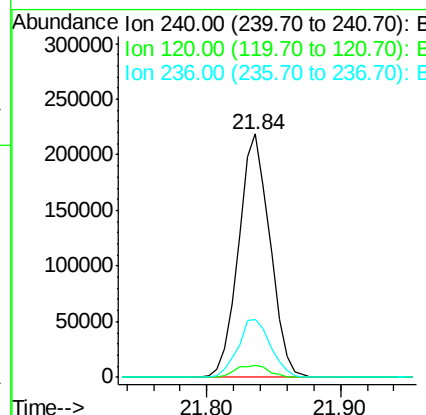
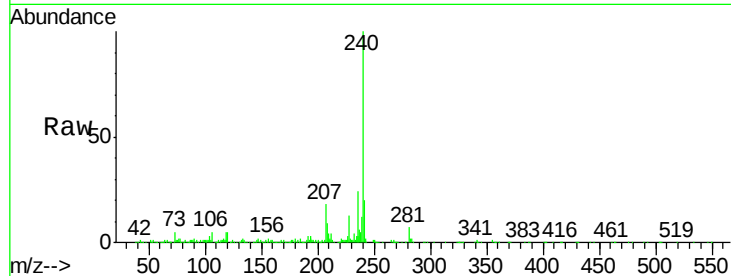




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.84 min Scan# 3234
Delta R.T. -0.01 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

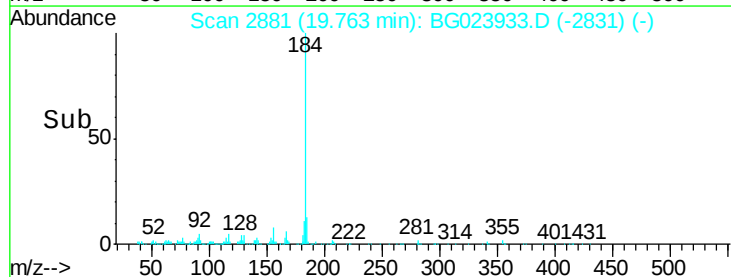
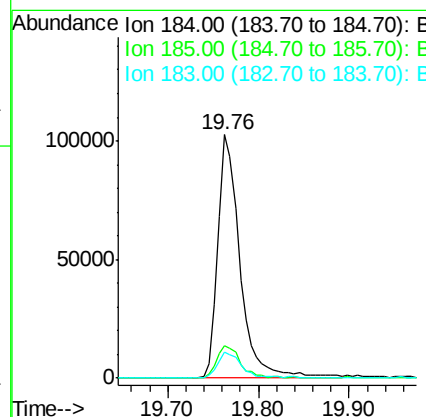
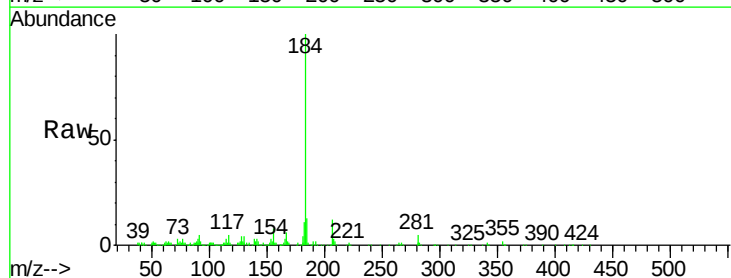
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

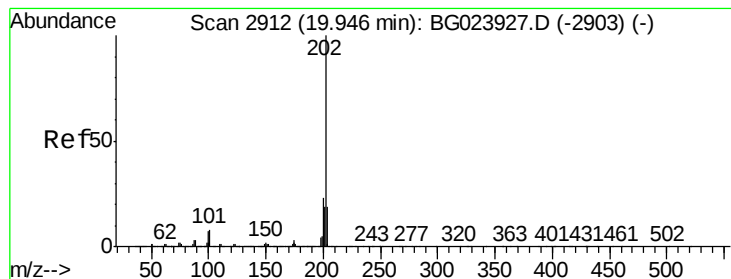
Tgt Ion:240 Resp: 355684
Ion Ratio Lower Upper
240 100
120 4.7 4.1 6.1
236 24.0 21.1 31.7



#76
Benzidine
Concen: 15.92 ng
RT: 19.76 min Scan# 2881
Delta R.T. -0.01 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

Tgt Ion:184 Resp: 175356
Ion Ratio Lower Upper
184 100
185 13.3 12.6 19.0
183 10.9 10.7 16.1





#77

Pyrene

Concen: 17.14 ng

RT: 19.94 min Scan# 2911

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

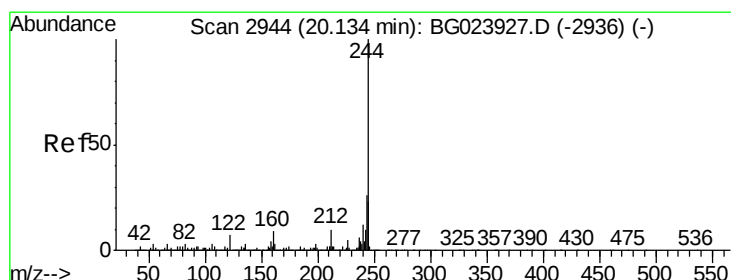
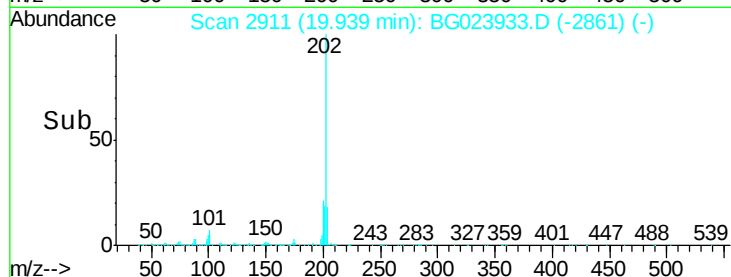
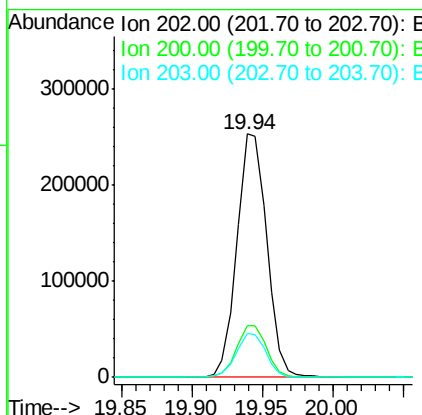
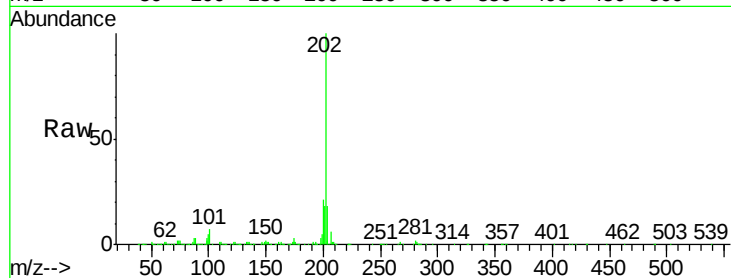
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:	202	Resp:	374943
Ion Ratio	Lower	Upper	
202	100		
200	21.0	21.2	31.8#
203	18.2	16.8	25.2



#78

Terphenyl-d14

Concen: 112.27 ng

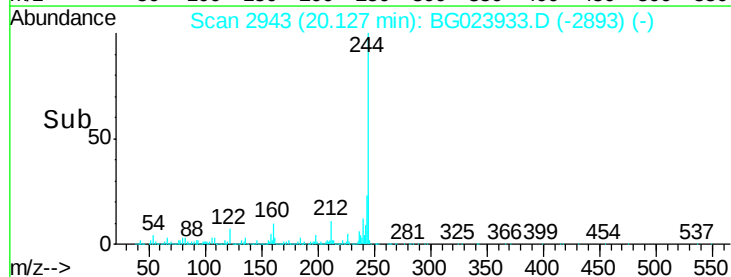
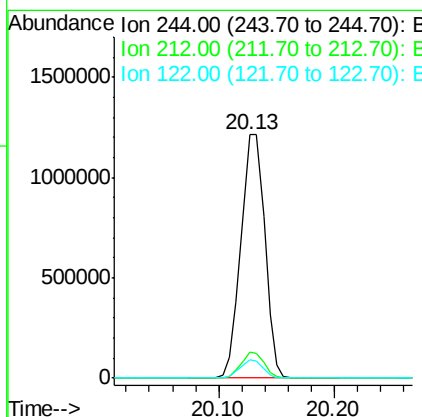
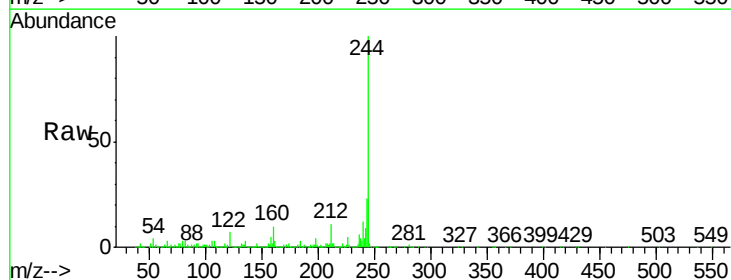
RT: 20.13 min Scan# 2943

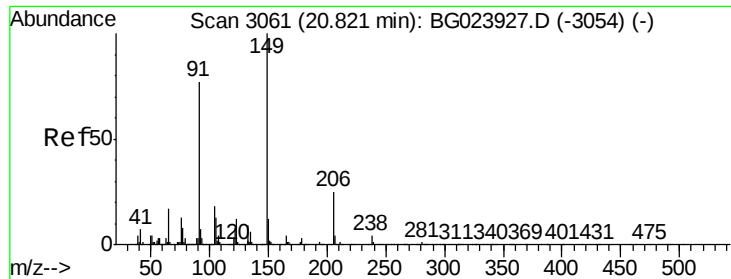
Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Tgt Ion:	244	Resp:	1753451
Ion Ratio	Lower	Upper	
244	100		
212	10.5	10.8	16.2#
122	7.3	8.0	12.0#

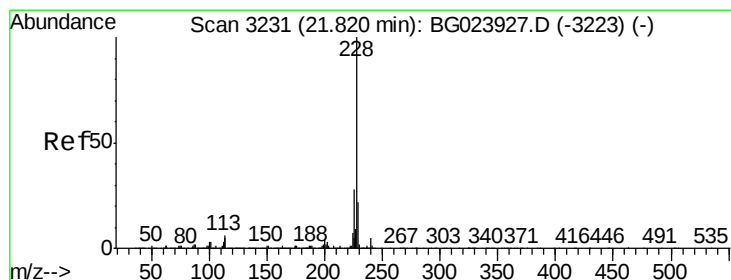
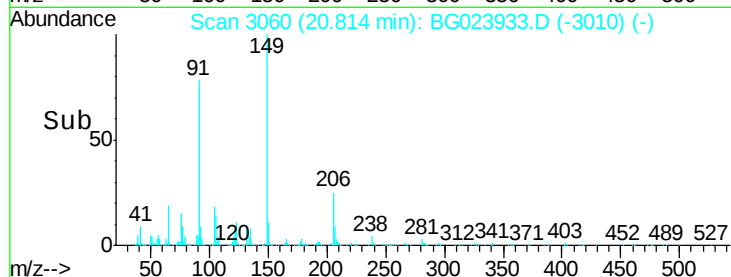
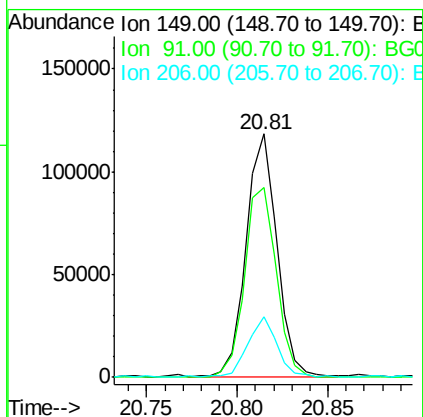
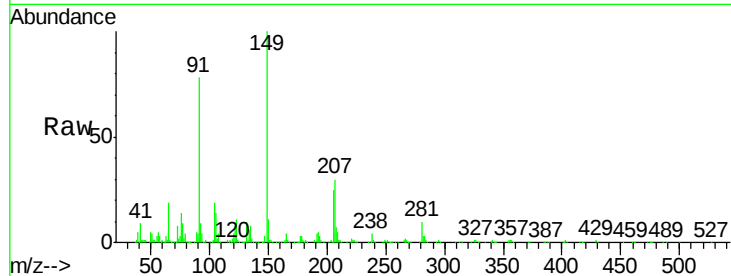




#79
Butylbenzylphthalate
Concen: 16.45 ng
RT: 20.81 min Scan# 3060
Delta R.T. -0.01 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

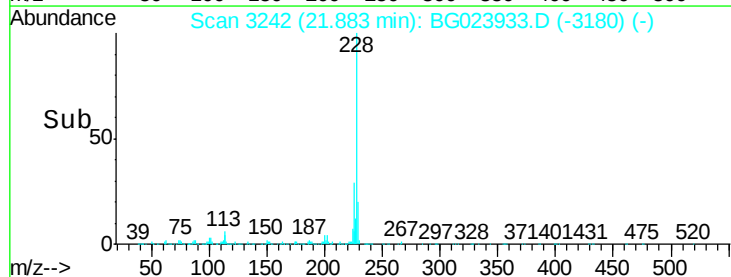
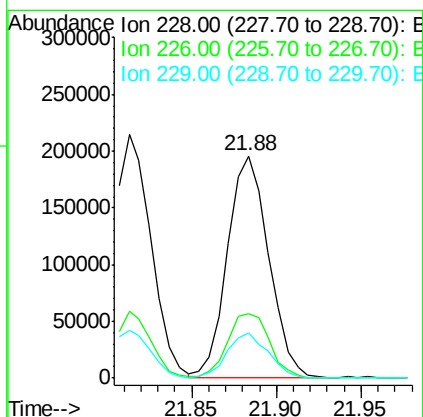
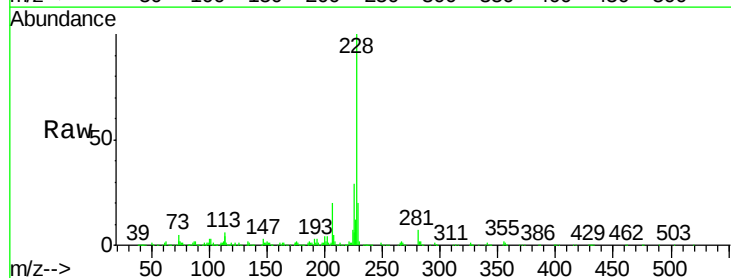
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

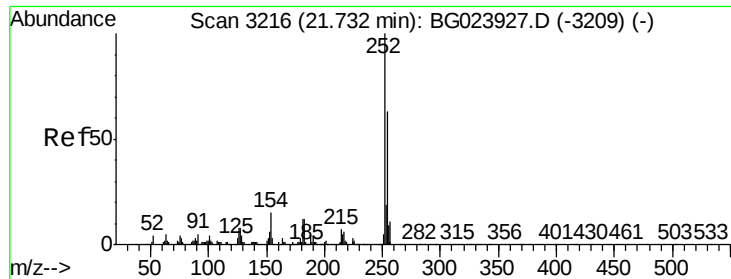
Tgt Ion:149 Resp: 138704
Ion Ratio Lower Upper
149 100
91 78.2 68.1 102.1
206 25.1 19.8 29.6



#80
Benzo(a)anthracene
Concen: 16.64 ng
RT: 21.88 min Scan# 3242
Delta R.T. 0.06 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

Tgt Ion:228 Resp: 331406
Ion Ratio Lower Upper
228 100
226 29.2 25.3 37.9
229 20.2 19.9 29.9

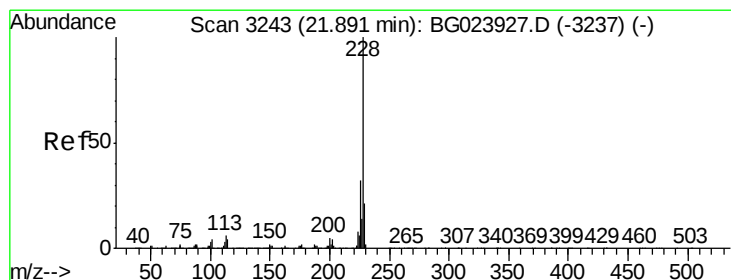
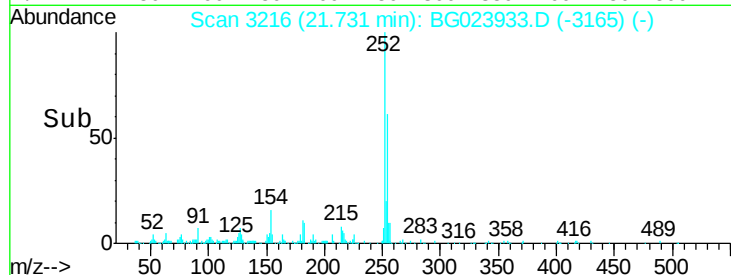
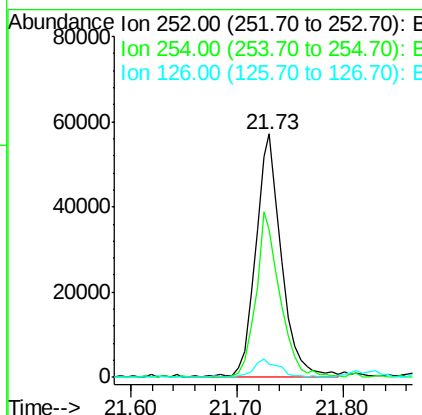
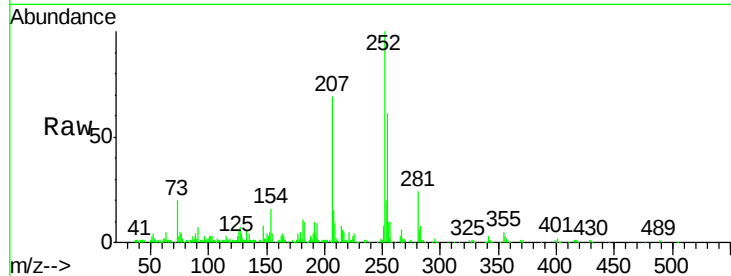




#81
 3,3'-Dichlorobenzidine
 Concen: 12.04 ng
 RT: 21.73 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

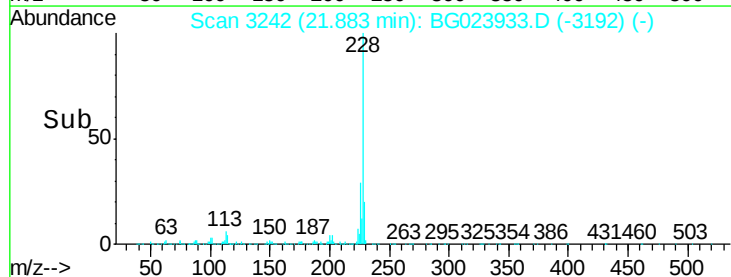
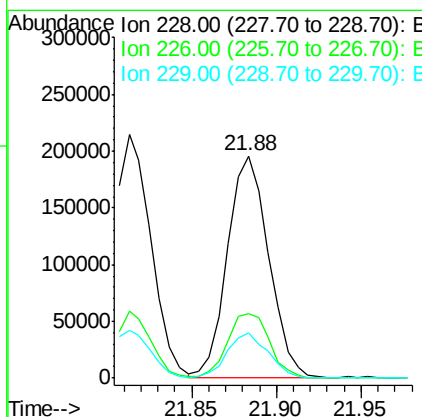
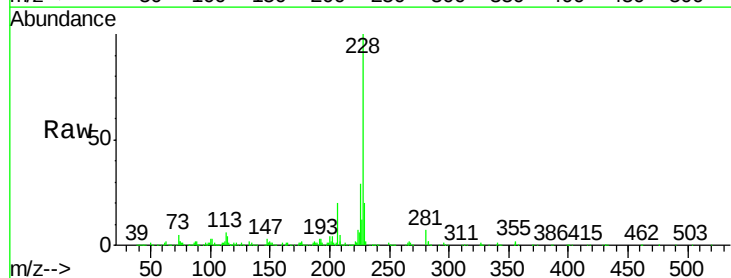
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

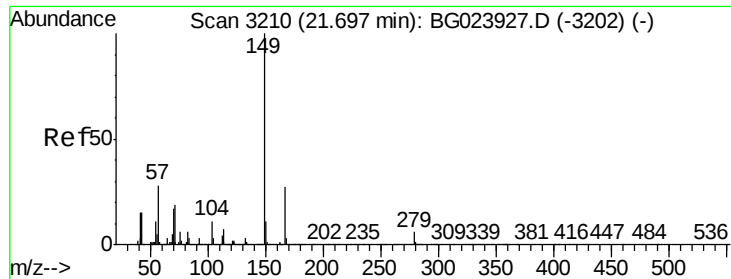
Tgt Ion: 252 Resp: 95856
 Ion Ratio Lower Upper
 252 100
 254 60.7 51.2 76.8
 126 5.6 5.3 7.9



#82
 Chrysene
 Concen: 17.49 ng
 RT: 21.88 min Scan# 3242
 Delta R.T. -0.01 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

Tgt Ion: 228 Resp: 331406
 Ion Ratio Lower Upper
 228 100
 226 29.2 26.7 40.1
 229 20.2 17.4 26.2

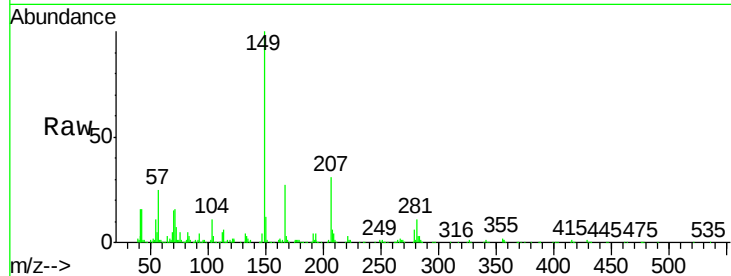




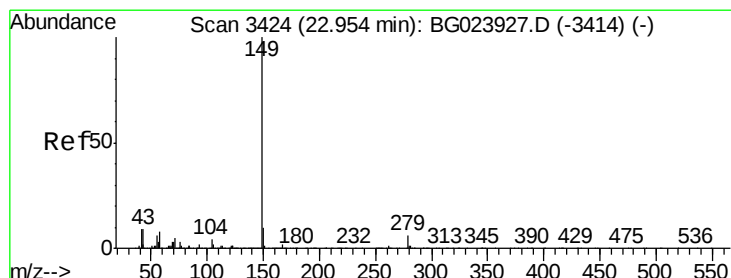
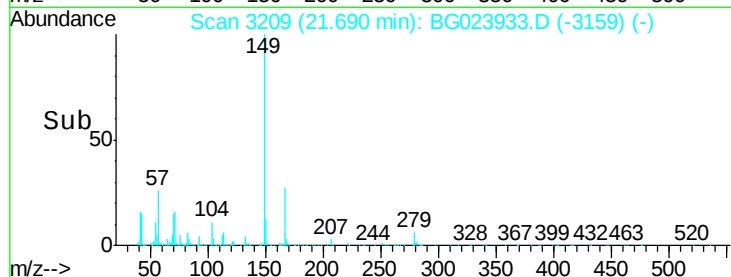
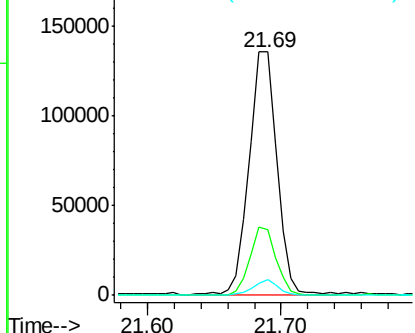
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 16.65 ng
 RT: 21.69 min Scan# 3209
 Delta R.T. -0.01 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:149 Resp: 192201
 Ion Ratio Lower Upper
 149 100
 167 26.9 24.0 36.0
 279 6.4 4.8 7.2

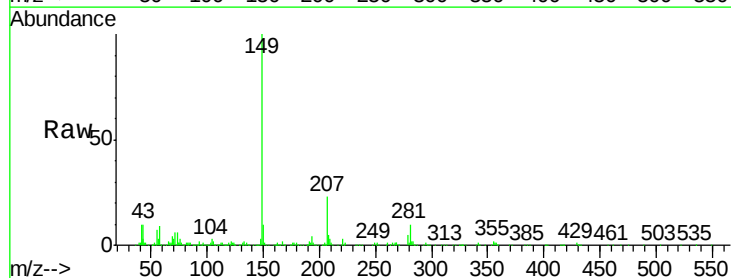


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

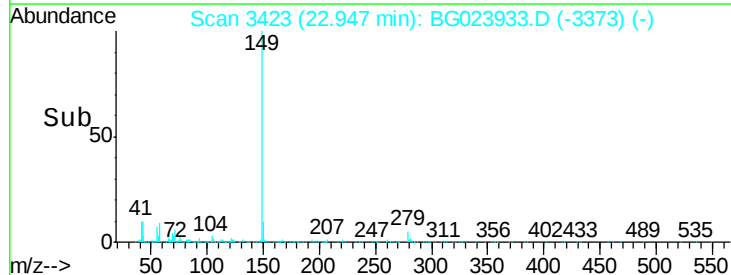
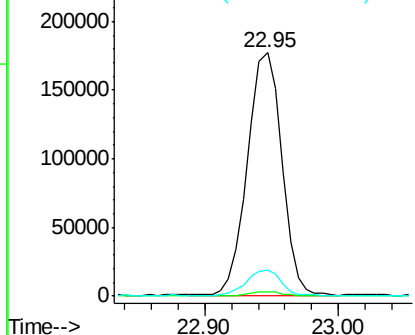


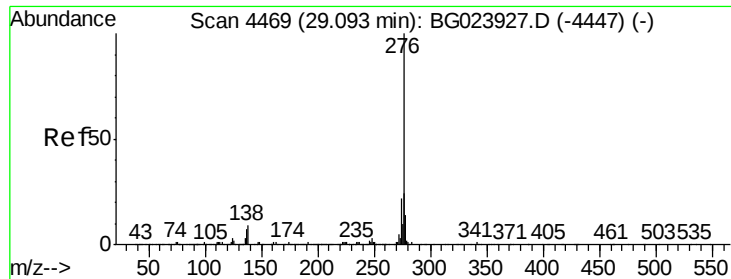
#84
 Di-n-octyl phthalate
 Concen: 16.62 ng
 RT: 22.95 min Scan# 3423
 Delta R.T. -0.01 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

Tgt Ion:149 Resp: 314700
 Ion Ratio Lower Upper
 149 100
 167 2.0 1.5 2.3
 43 11.0 8.8 13.2



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): BG0





#85

Indeno(1,2,3-cd)pyrene

Concen: 16.89 ng

RT: 29.07 min Scan# 4466

Delta R.T. -0.02 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

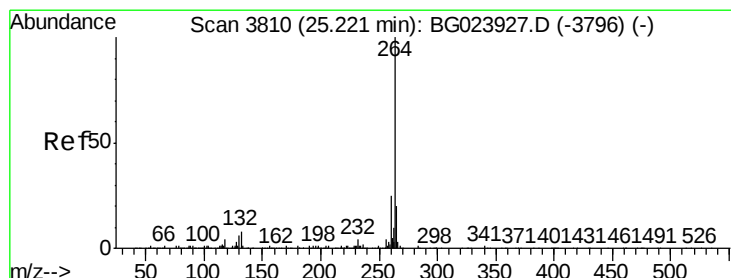
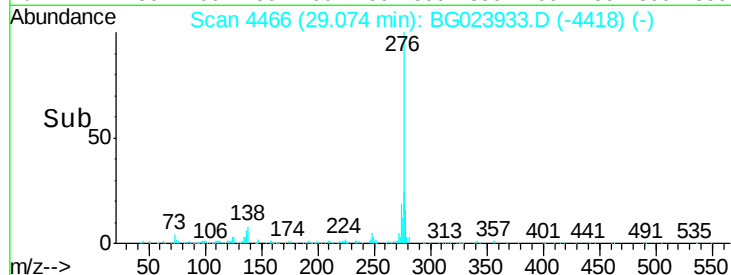
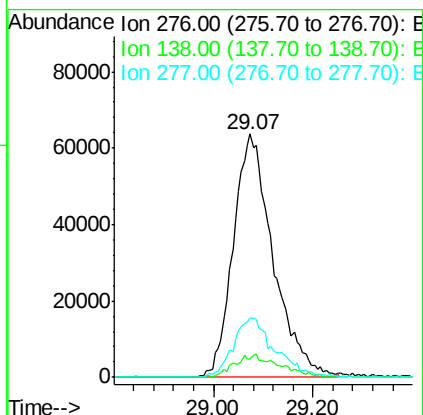
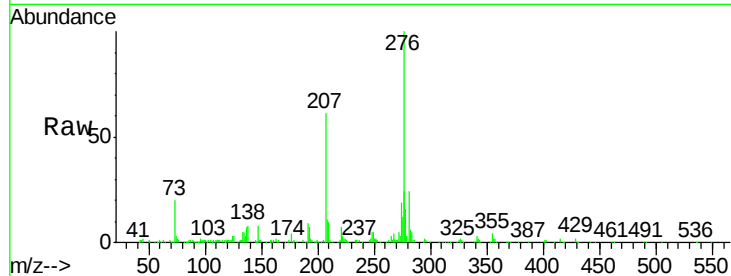
Tgt Ion:276 Resp: 354488

Ion Ratio Lower Upper

276 100

138 3.4 0.0 0.0#

277 25.3 0.0 0.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.22 min Scan# 3810

Delta R.T. -0.00 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

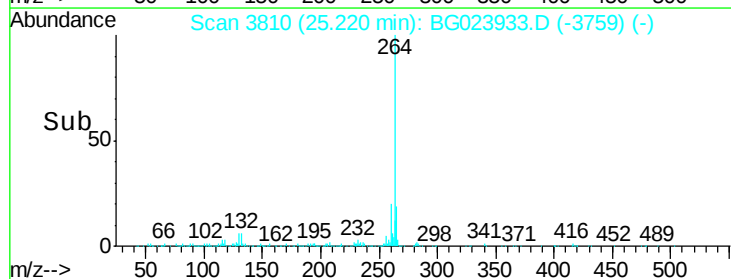
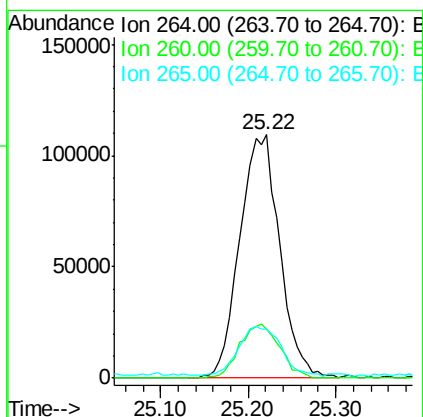
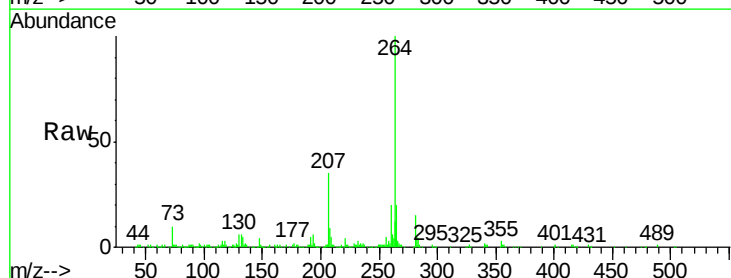
Tgt Ion:264 Resp: 339204

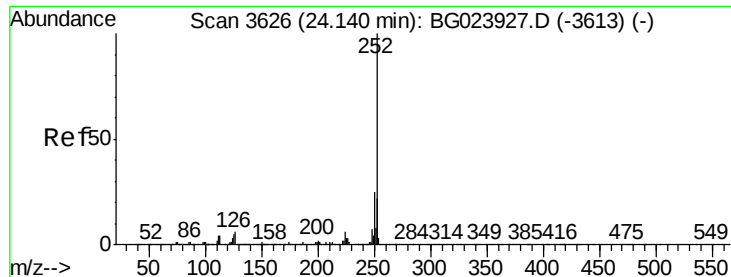
Ion Ratio Lower Upper

264 100

260 20.2 18.4 27.6

265 20.1 18.9 28.3

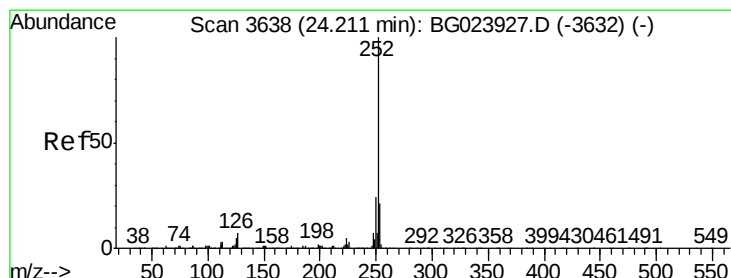
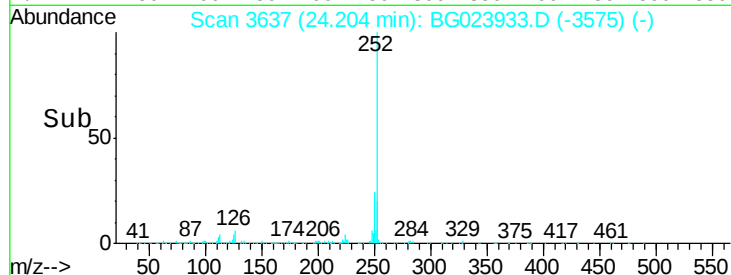
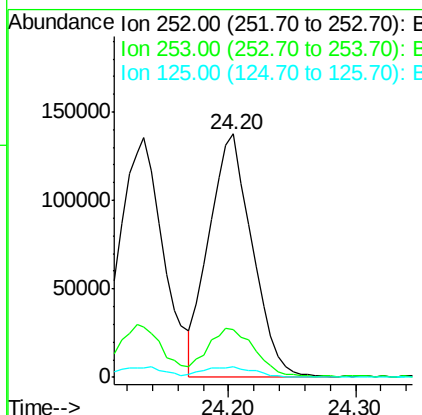
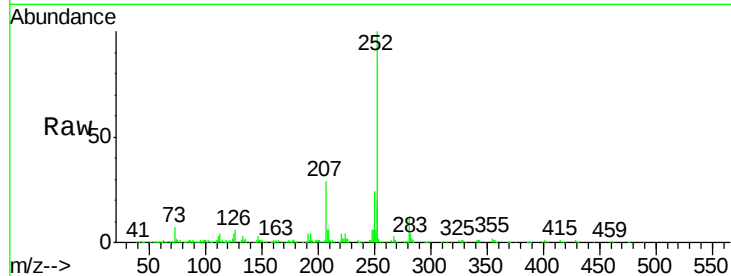




#87
Benzo(b)fluoranthene
Concen: 16.77 ng
RT: 24.20 min Scan# 3637
Delta R.T. 0.06 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

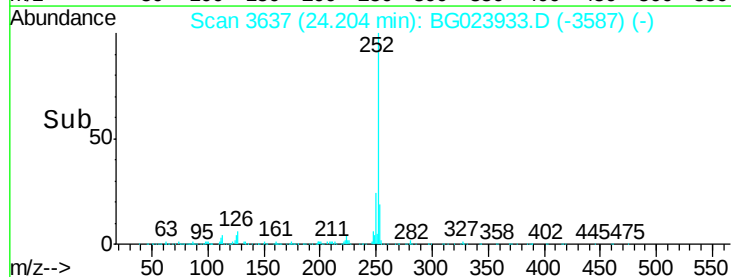
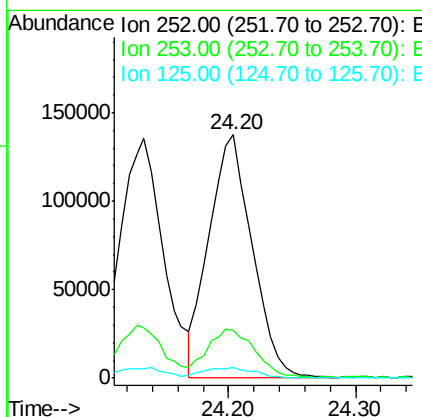
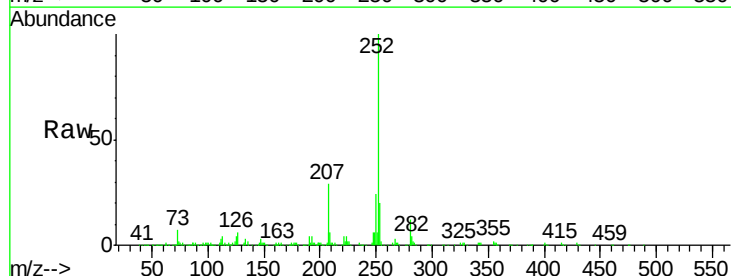
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

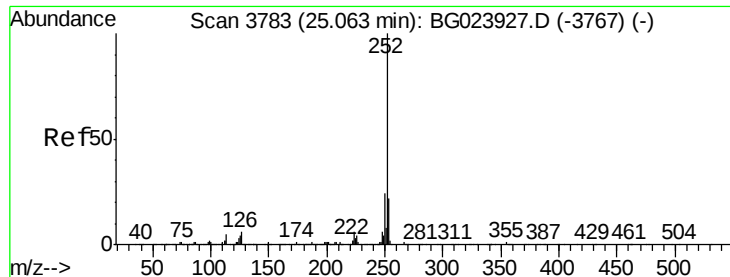
Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.7	18.9	28.3
125	4.4	3.9	5.9



#88
Benzo(k)fluoranthene
Concen: 16.91 ng
RT: 24.20 min Scan# 3637
Delta R.T. -0.01 min
Lab File: BG023933.D
Acq: 31 Aug 2016 20:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.7	18.8	28.2
125	4.4	3.2	4.8





#89

Benzo(a)pyrene

Concen: 16.91 ng

RT: 25.05 min Scan# 3781

Delta R.T. -0.01 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

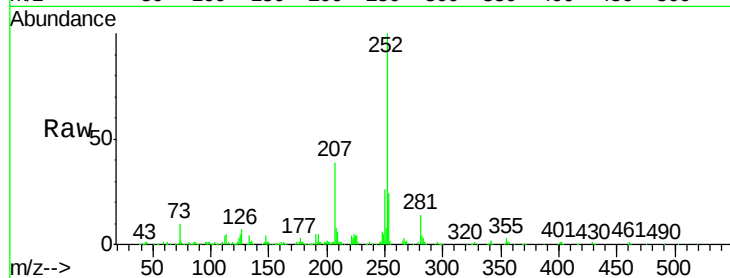
Tgt Ion:252 Resp: 309434

Ion Ratio Lower Upper

252 100

253 23.5 18.7 28.1

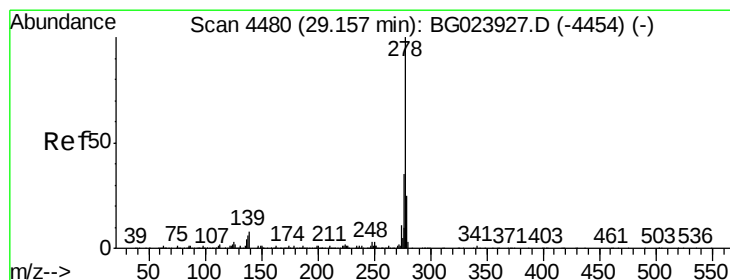
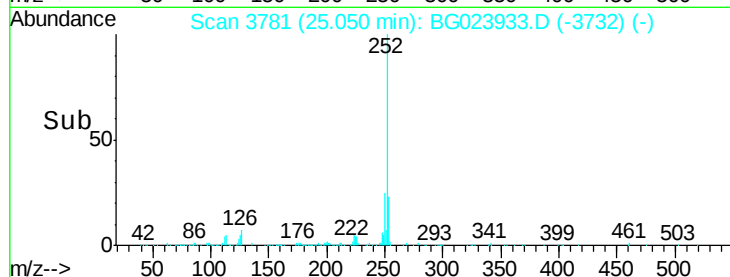
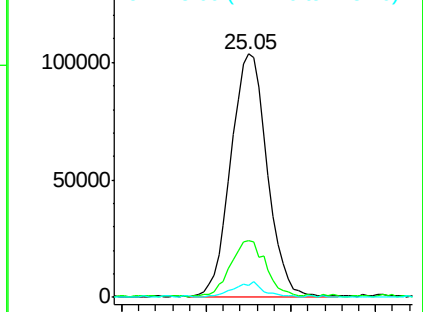
125 4.9 3.9 5.9



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: 16.70 ng

RT: 29.13 min Scan# 4476

Delta R.T. -0.02 min

Lab File: BG023933.D

Acq: 31 Aug 2016 20:35

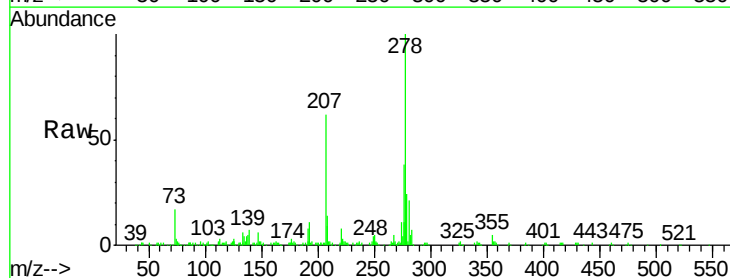
Tgt Ion:278 Resp: 300485

Ion Ratio Lower Upper

278 100

139 6.9 4.7 7.1

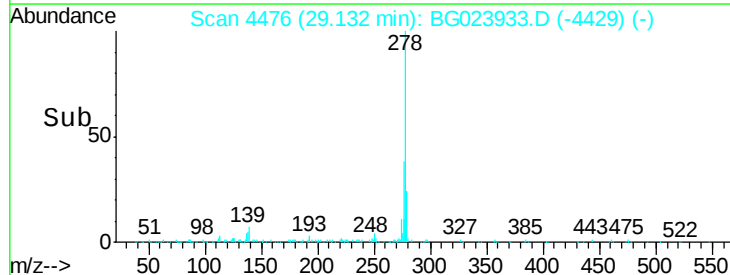
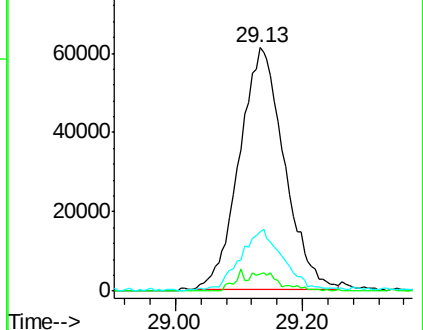
279 24.1 18.3 27.5

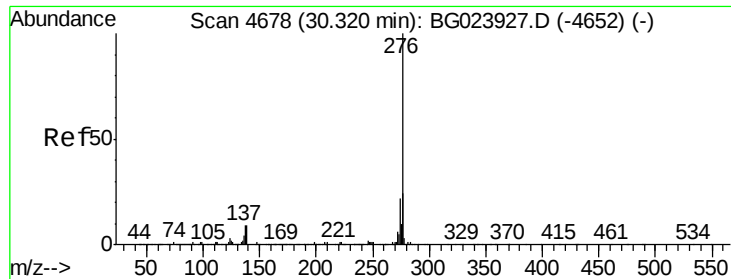


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

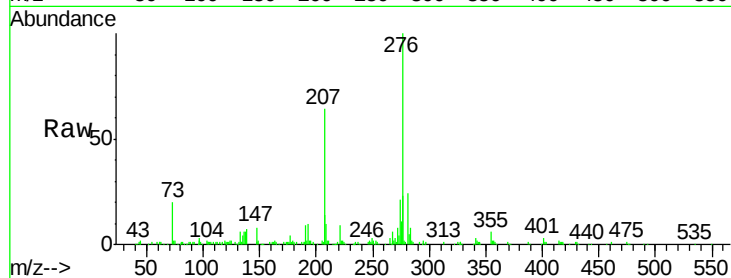




#91
 Benzo(g,h,i)perylene
 Concen: 16.68 ng
 RT: 30.29 min Scan# 4673
 Delta R.T. -0.03 min
 Lab File: BG023933.D
 Acq: 31 Aug 2016 20:35

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.6	27.8
138	7.1	6.8	10.2



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

