

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090916\
 Data File : BG023980.D
 Acq On : 9 Sep 2016 18:56
 Operator : UM/SJ
 Sample : H4715-04MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMSD

Quant Time: Sep 10 01:06:46 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 09 16:24:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	41988	20.00	ng	-0.04
21) Naphthalene-d8	10.89	136	220277	20.00	ng	-0.04
38) Acenaphthene-d10	14.74	164	188712	20.00	ng	-0.03
63) Phenanthrene-d10	17.50	188	531926	20.00	ng	-0.02
75) Chrysene-d12	21.81	240	505790	20.00	ng	-0.03
86) Perylene-d12	25.16	264	445035	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	339830	142.09	ng	-0.04
7) Phenol-d6	7.23	99	513983	139.62	ng	-0.04
23) Nitrobenzene-d5	9.24	82	459400	93.11	ng	-0.04
41) 2,4,6-Tribromophenol	16.24	330	453444	133.37	ng	-0.03
44) 2-Fluorobiphenyl	13.35	172	1040956	79.09	ng	-0.03
78) Terphenyl-d14	20.11	244	2187860	98.51	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	28856	29.26	ng	# 66
3) Pyridine	3.90	79	96391	32.52	ng	96
4) n-Nitrosodimethylamine	3.79	42	66358	42.47	ng	# 83
6) Aniline	7.39	93	193984	39.70	ng	94
8) 2-Chlorophenol	7.63	128	132196	47.71	ng	96
9) Benzaldehyde	7.20	77	24068	9.20	ng	86
10) Phenol	7.26	94	177383	45.80	ng	98
11) bis(2-Chloroethyl)ether	7.47	93	136017	44.64	ng	85
12) 1,3-Dichlorobenzene	7.94	146	121013	37.32	ng	97
13) 1,4-Dichlorobenzene	8.10	146	122614	35.69	ng	93
14) 1,2-Dichlorobenzene	8.41	146	121525	37.69	ng	91
15) Benzyl Alcohol	8.31	79	197939	60.98	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.60	45	180423	44.18	ng	99
17) 2-Methylphenol	8.52	107	143202	54.88	ng	99
18) Hexachloroethane	9.14	117	52189	39.45	ng	94
19) n-Nitroso-di-n-propylamine	8.87	70	168245	51.73	ng	98
20) 3+4-Methylphenols	8.85	107	196960	54.17	ng	97
22) Acetophenone	8.90	105	226723	39.76	ng	# 96
24) Nitrobenzene	9.28	77	238234	44.90	ng	99
25) Isophorone	9.81	82	463384	48.43	ng	98
26) 2-Nitrophenol	10.00	139	90644	44.94	ng	99
27) 2,4-Dimethylphenol	10.06	122	171119	49.92	ng	95
28) bis(2-Chloroethoxy)methane	10.29	93	235230	48.69	ng	94
29) 2,4-Dichlorophenol	10.55	162	188863	52.00	ng	98
30) 1,2,4-Trichlorobenzene	10.75	180	162750	40.86	ng	98
31) Naphthalene	10.95	128	470001	41.41	ng	98
32) Benzoic acid	10.24	122	81912	29.42	ng	88
33) 4-Chloroaniline	11.06	127	114714	24.20	ng	# 93
34) Hexachlorobutadiene	11.22	225	120575	40.30	ng	95
35) Caprolactam	11.88	113	55097m	43.04	ng	
36) 4-Chloro-3-methylphenol	12.20	107	257875	53.14	ng	97
37) 2-Methylnaphthalene	12.56	142	403673	46.75	ng	98
39) 1,2,4,5-Tetrachlorobenzene	12.92	216	231950	37.03	ng	98
40) Hexachlorocyclopentadiene	12.89	237	214732	58.94	ng	96

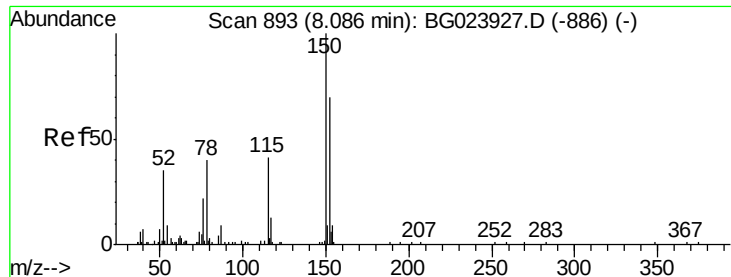
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090916\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.17	196	188368	45.06	ng	98
43) 2,4,5-Trichlorophenol	13.26	196	195195	46.19	ng	94
45) 1,1'-Biphenyl	13.56	154	525739	34.64	ng	99
46) 2-Chloronaphthalene	13.61	162	471877	42.35	ng	97
47) 2-Nitroaniline	13.83	65	240435	54.78	ng	96
48) Acenaphthylene	14.46	152	778820	41.93	ng	99
49) Dimethylphthalate	14.19	163	715715	44.23	ng	99
50) 2,6-Dinitrotoluene	14.32	165	159618	46.73	ng	93
51) Acenaphthene	14.80	154	500384	43.57	ng	99
52) 3-Nitroaniline	14.66	138	117812	36.87	ng	# 89
53) 2,4-Dinitrophenol	14.88	184	172775	70.06	ng	# 88
54) Dibenzofuran	15.13	168	839608	46.84	ng	99
55) 4-Nitrophenol	14.99	139	209622	82.46	ng	# 81
56) 2,4-Dinitrotoluene	15.12	165	241731	48.14	ng	85
57) Fluorene	15.79	166	705900	45.42	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.38	232	233813m	54.51	ng	
59) Diethylphthalate	15.55	149	774779	44.85	ng	99
60) 4-Chlorophenyl-phenylether	15.77	204	377606	45.13	ng	97
61) 4-Nitroaniline	15.84	138	161322	49.94	ng	95
62) Azobenzene	16.07	77	863216	51.59	ng	96
64) 4,6-Dinitro-2-methylphenol	15.89	198	149363	40.45	ng	90
65) n-Nitrosodiphenylamine	16.00	169	650446	43.05	ng	94
66) 4-Bromophenyl-phenylether	16.67	248	294103	45.45	ng	98
67) Hexachlorobenzene	16.80	284	309253	40.74	ng	98
68) Atrazine	16.95	200	301419	46.37	ng	99
69) Pentachlorophenol	17.16	266	341006	84.59	ng	98
70) Phenanthrene	17.54	178	1265658	45.74	ng	97
71) Anthracene	17.64	178	1300310	46.07	ng	99
72) Carbazole	17.92	167	1179601	46.05	ng	99
73) Di-n-butylphthalate	18.45	149	1400066	45.81	ng	99
74) Fluoranthene	19.56	202	1618751	48.59	ng	96
76) Benzidine	19.75	184	365727	23.35	ng	95
77) Pyrene	19.92	202	1609961	51.76	ng	97
79) Butylbenzylphthalate	20.79	149	635824	53.02	ng	97
80) Benzo(a)anthracene	21.79	228	1346442	47.55	ng	96
81) 3,3'-Dichlorobenzidine	21.70	252	324213	28.65	ng	# 99
82) Chrysene	21.86	228	1252658	46.48	ng	99
83) Bis(2-ethylhexyl)phthalate	21.67	149	775650	47.24	ng	96
84) Di-n-octyl phthalate	22.91	149	1128916	41.92	ng	99
85) Indeno(1,2,3-cd)pyrene	29.01	276	1367524	45.83	ng	# 100
87) Benzo(b)fluoranthene	24.09	252	1253417	49.58	ng	100
88) Benzo(k)fluoranthene	24.17	252	1192266	47.56	ng	# 97
89) Benzo(a)pyrene	25.01	252	1175185	48.95	ng	# 97
90) Dibenzo(a,h)anthracene	29.06	278	1140488	48.31	ng	# 95
91) Benzo(g,h,i)perylene	30.21	276	1152359	50.75	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.06 min Scan# 889

Delta R.T. -0.04 min

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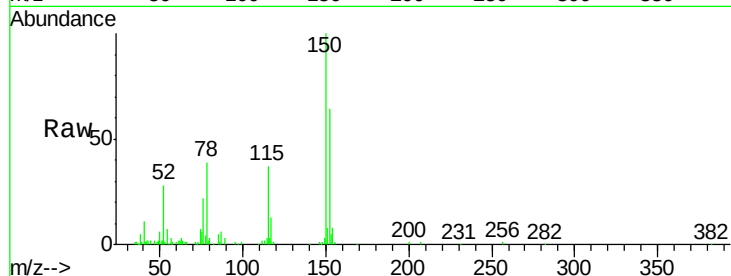
Tgt Ion:152 Resp: 41988

Ion Ratio Lower Upper

152 100

150 156.3 144.7 217.1

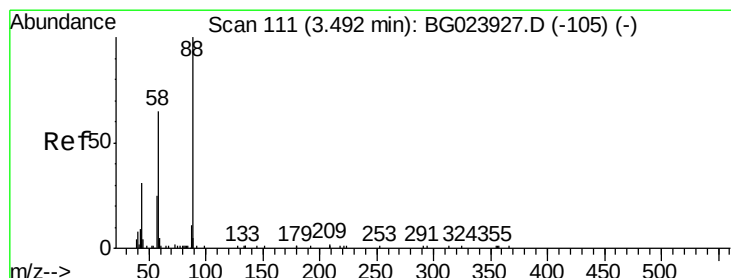
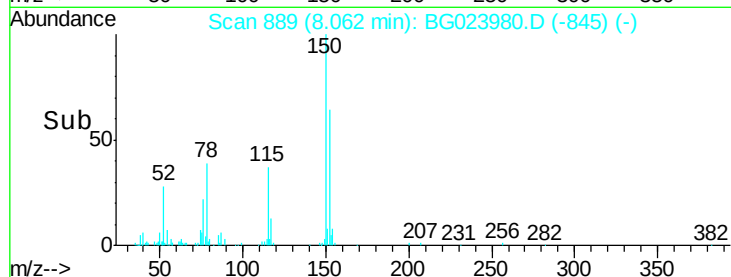
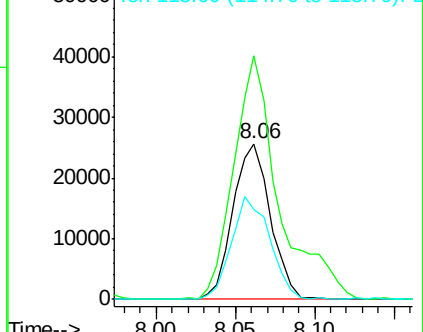
115 58.1 64.0 96.0#



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: 29.26 ng

RT: 3.47 min Scan# 108

Delta R.T. -0.02 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

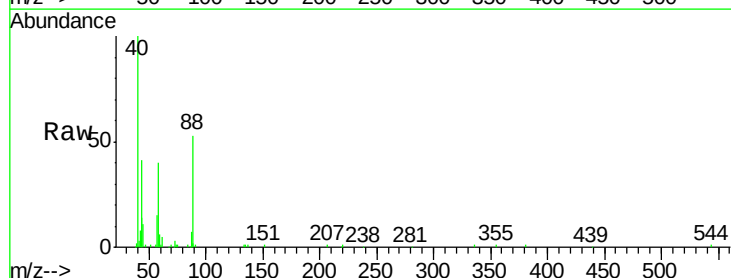
Tgt Ion: 88 Resp: 28856

Ion Ratio Lower Upper

88 100

58 86.8 60.4 90.6

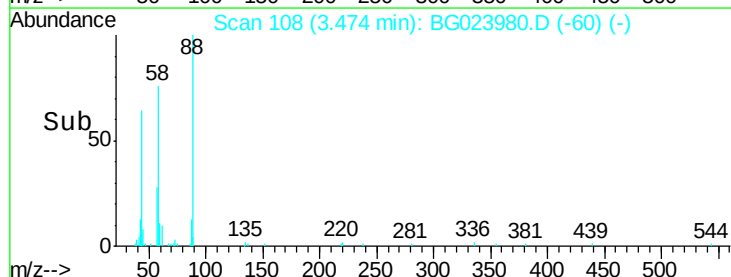
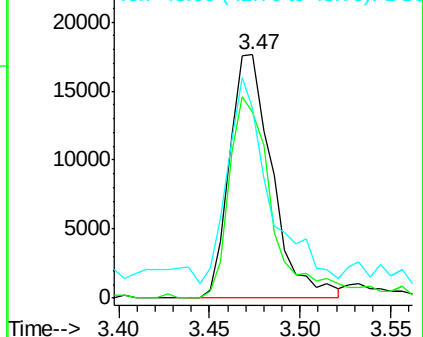
43 83.8 31.1 46.7#

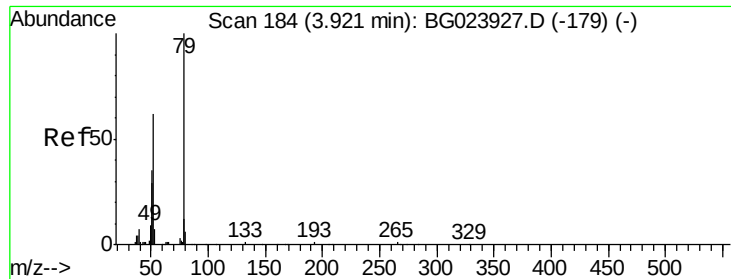


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 32.52 ng

RT: 3.90 min Scan# 180

Delta R.T. -0.01 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

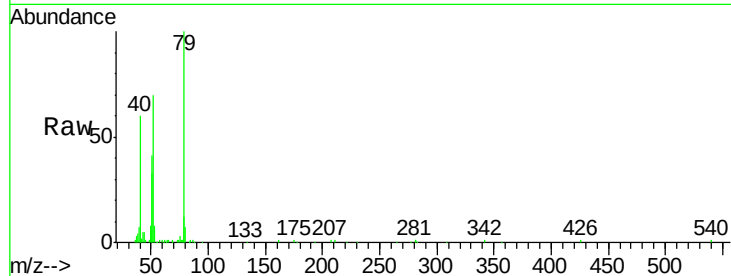
Tgt Ion: 79 Resp: 96391

Ion Ratio Lower Upper

79 100

52 69.6 51.8 77.8

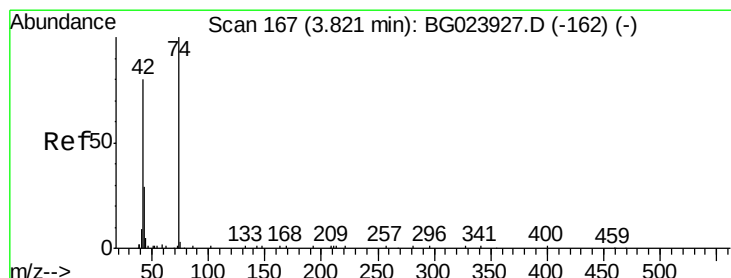
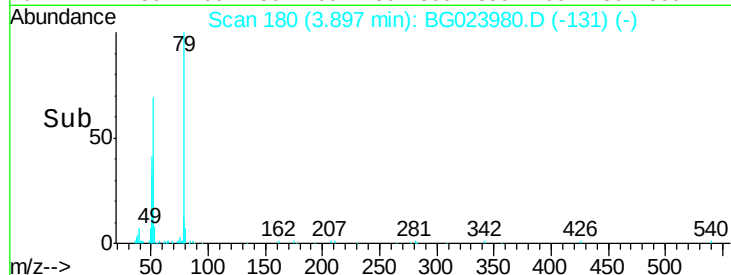
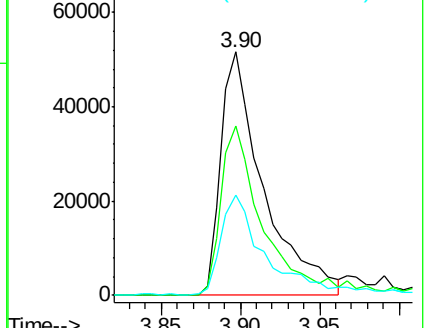
51 41.1 32.7 49.1



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: 42.47 ng

RT: 3.79 min Scan# 162

Delta R.T. -0.03 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

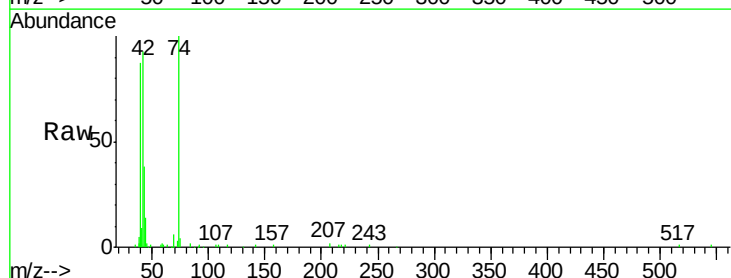
Tgt Ion: 42 Resp: 66358

Ion Ratio Lower Upper

42 100

74 107.3 100.6 150.8

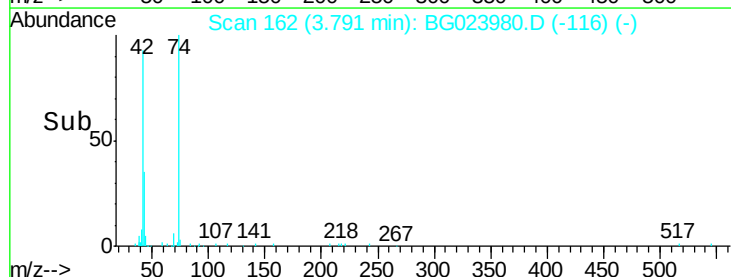
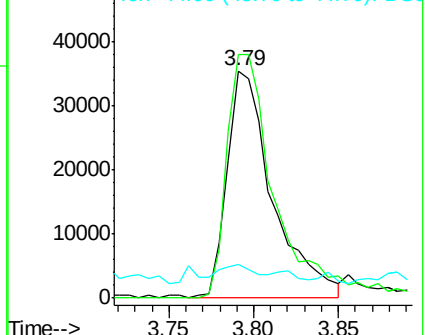
44 14.7 4.5 6.7#

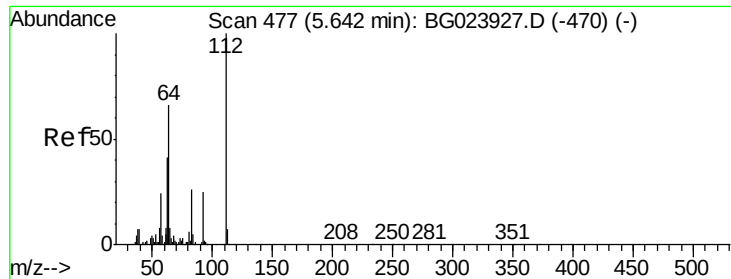


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 142.09 ng

RT: 5.61 min Scan# 472

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

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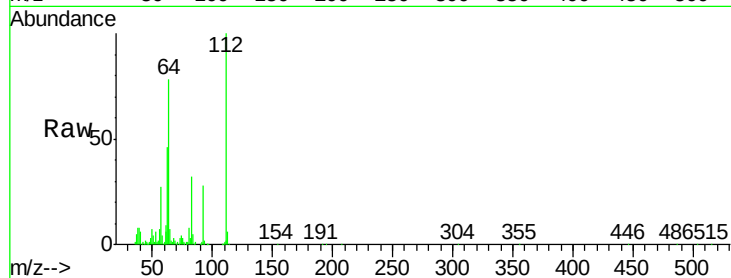
Tgt Ion: 112 Resp: 339830

Ion Ratio Lower Upper

112 100

64 77.8 59.0 88.4

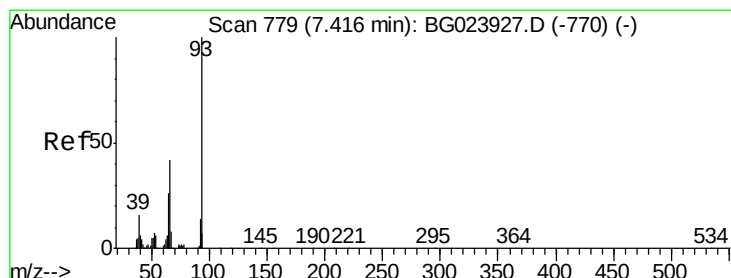
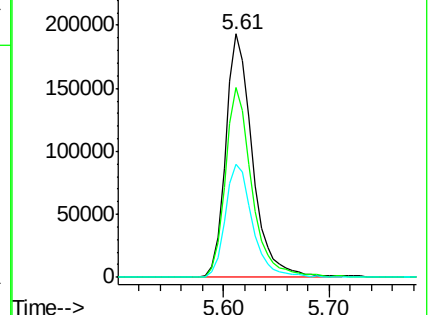
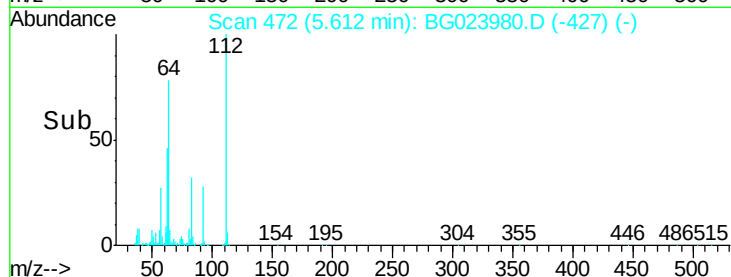
63 46.3 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 39.70 ng

RT: 7.39 min Scan# 774

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

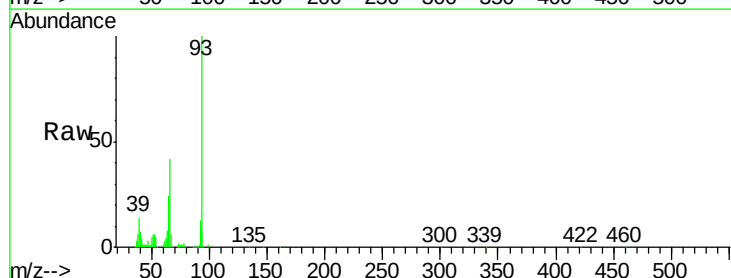
Tgt Ion: 93 Resp: 193984

Ion Ratio Lower Upper

93 100

66 42.1 37.5 56.3

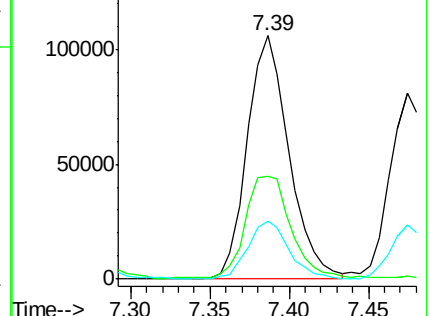
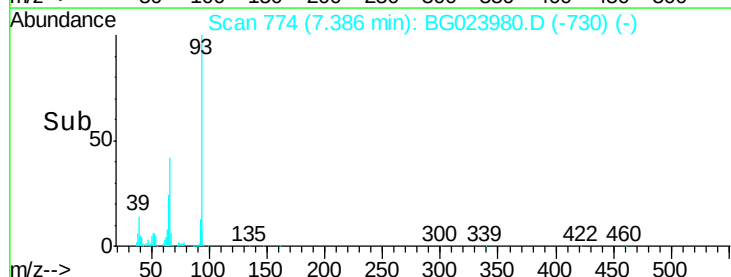
65 23.7 17.9 26.9

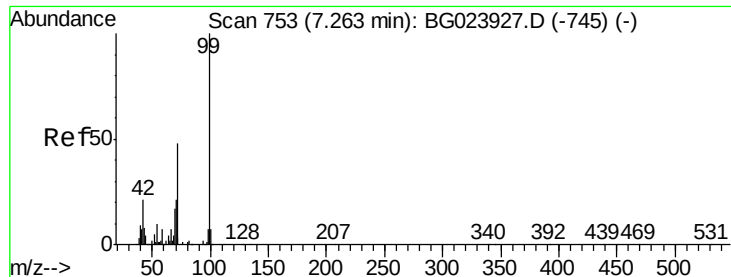


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 139.62 ng

RT: 7.23 min Scan# 748

Delta R.T. -0.04 min

Lab File: BG023980.D

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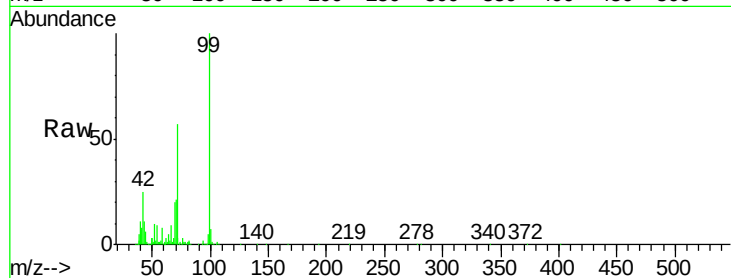
Tgt Ion: 99 Resp: 513983

Ion Ratio Lower Upper

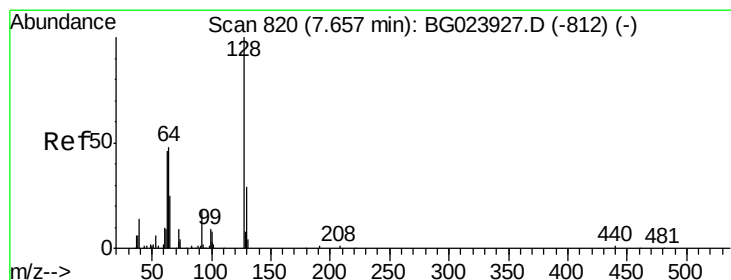
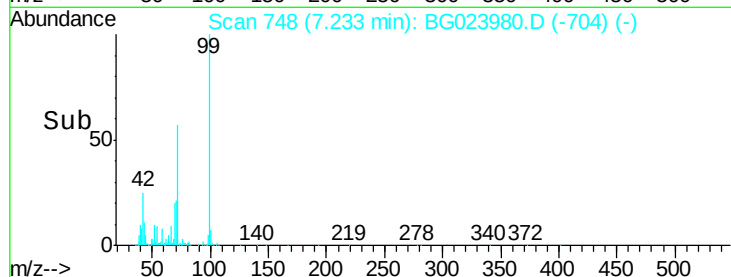
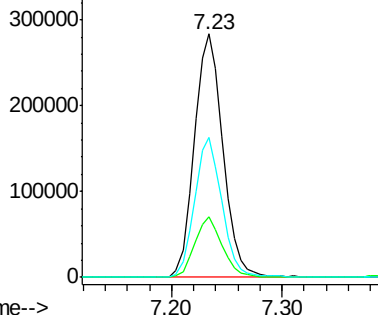
99 100

42 24.8 17.8 26.6

71 57.5 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: 47.71 ng

RT: 7.63 min Scan# 815

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

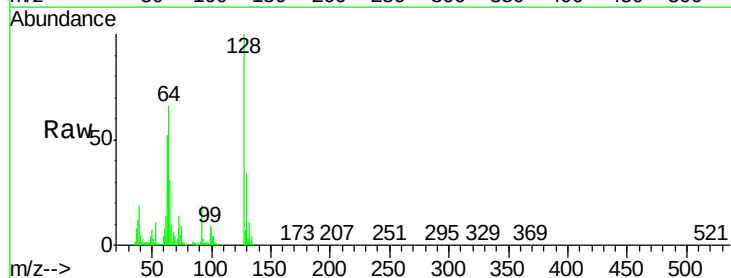
Tgt Ion: 128 Resp: 132196

Ion Ratio Lower Upper

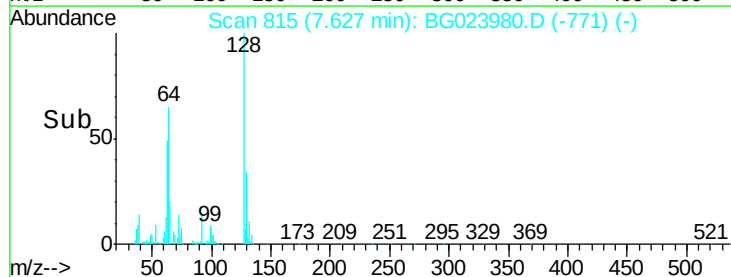
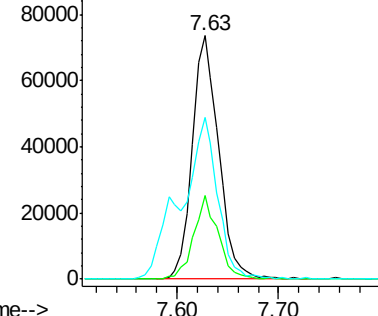
128 100

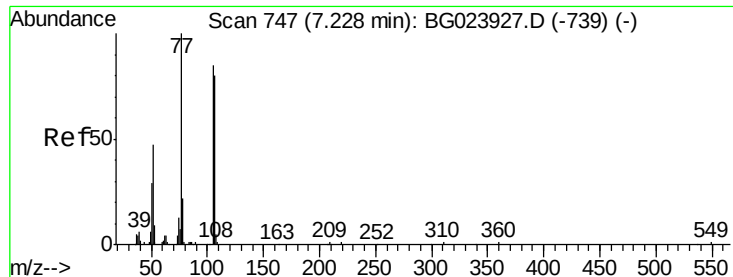
130 34.2 12.9 52.9

64 66.3 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: 9.20 ng

RT: 7.20 min Scan# 742

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

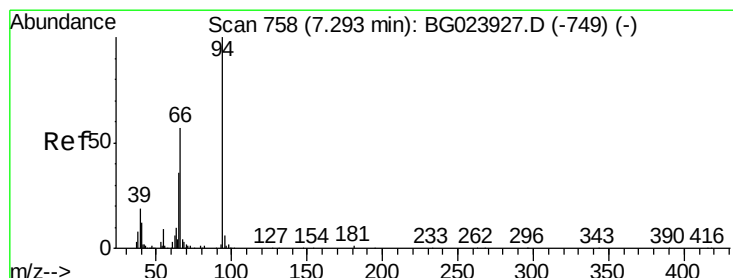
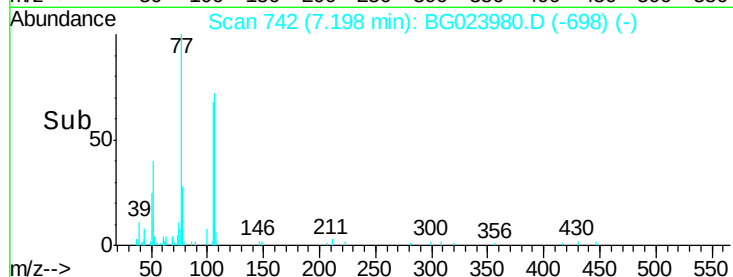
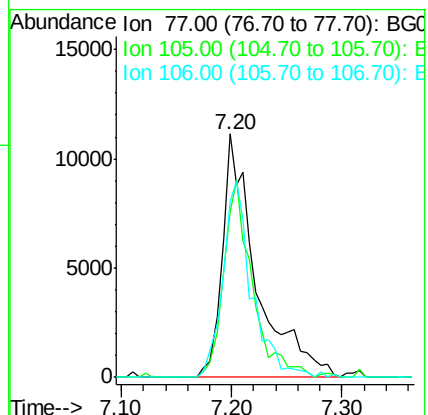
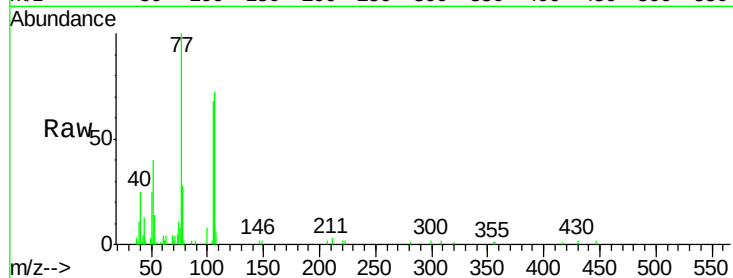
Tgt Ion: 77 Resp: 24068

Ion Ratio Lower Upper

77 100

105 67.9 58.7 98.7

106 72.4 67.5 107.5



#10

Phenol

Concen: 45.80 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

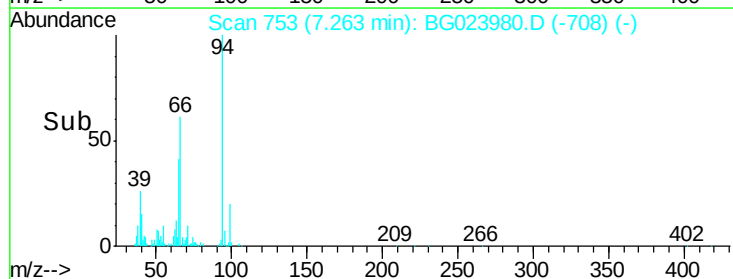
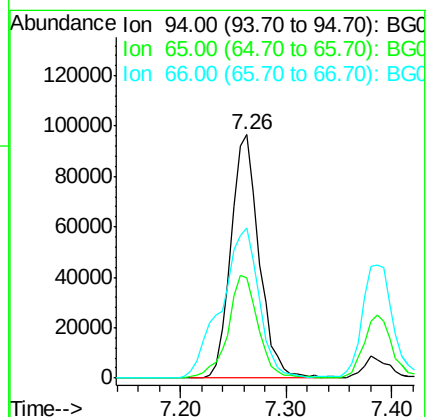
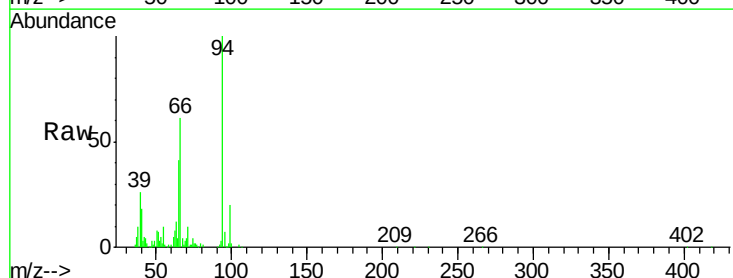
Tgt Ion: 94 Resp: 177383

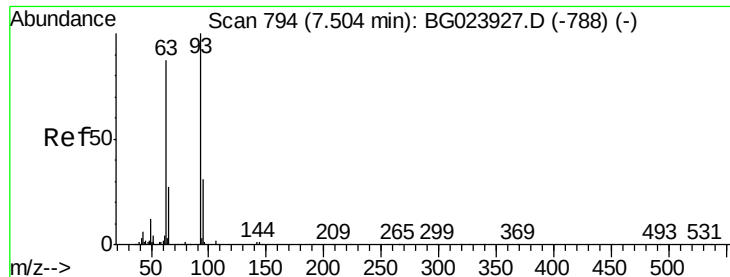
Ion Ratio Lower Upper

94 100

65 41.3 18.1 58.1

66 61.5 42.1 82.1

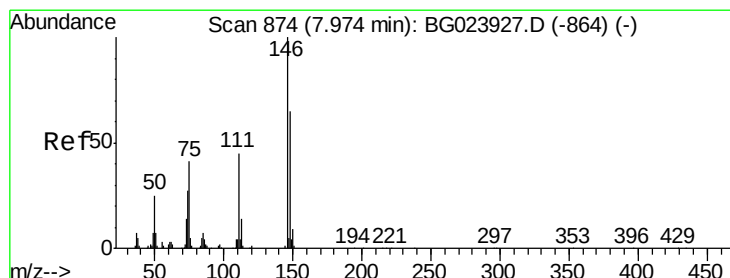
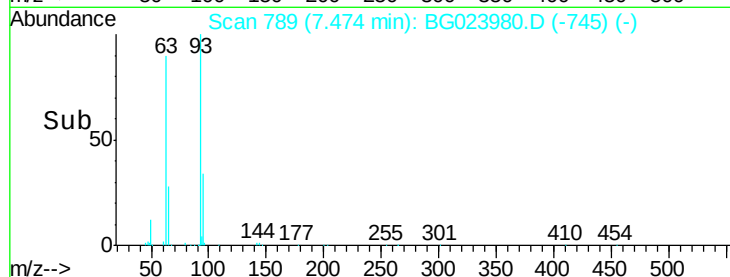
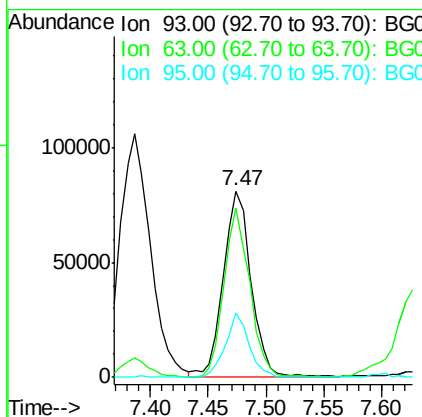
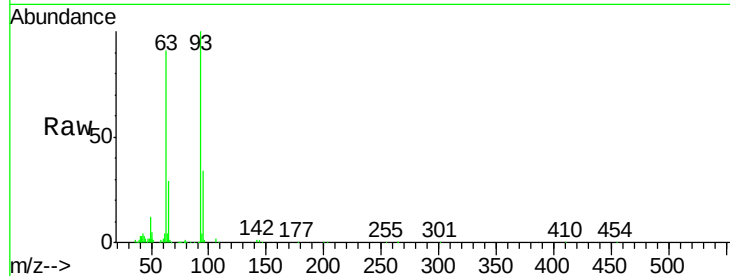




#11
bis(2-Chloroethyl)ether
Concen: 44.64 ng
RT: 7.47 min Scan# 789
Delta R.T. -0.04 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

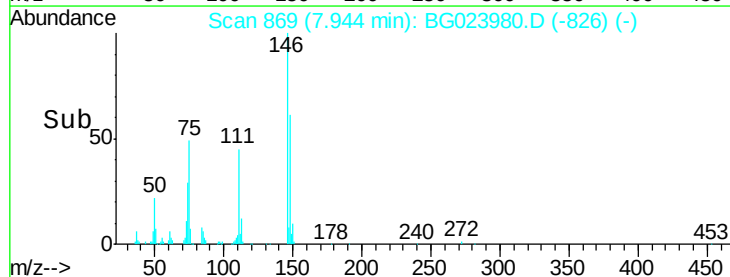
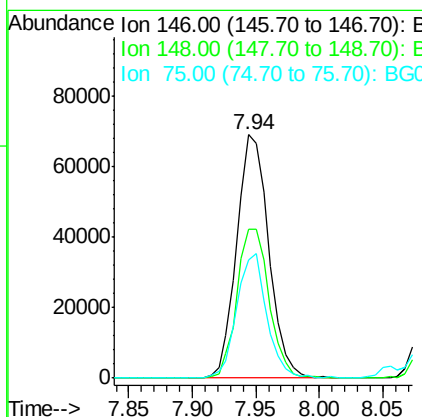
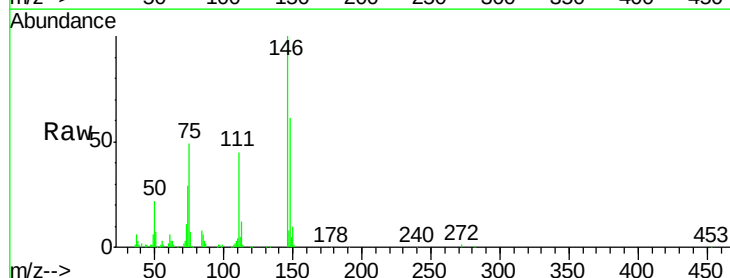
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMSD

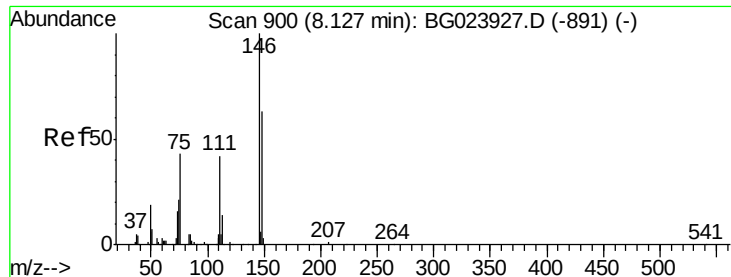
Tgt Ion: 93 Resp: 136017
Ion Ratio Lower Upper
93 100
63 90.7 55.0 95.0
95 34.2 11.0 51.0



#12
1,3-Dichlorobenzene
Concen: 37.32 ng
RT: 7.94 min Scan# 869
Delta R.T. -0.05 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Tgt Ion: 146 Resp: 121013
Ion Ratio Lower Upper
146 100
148 61.0 50.3 75.5
75 48.8 37.0 55.6

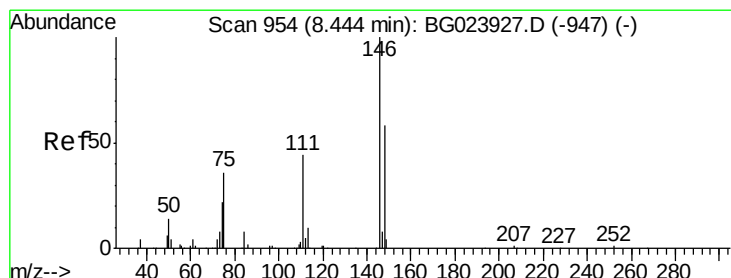
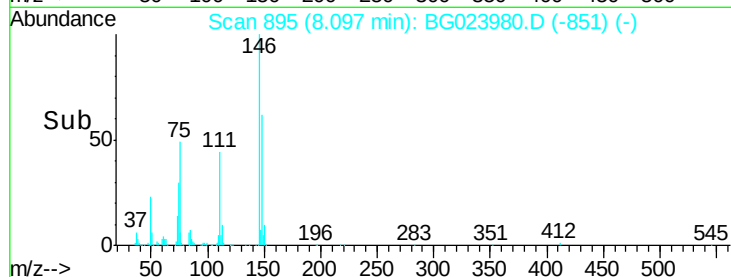
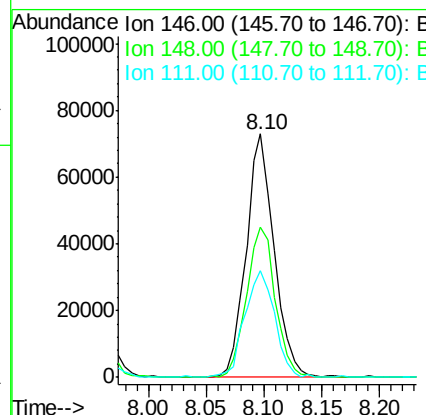
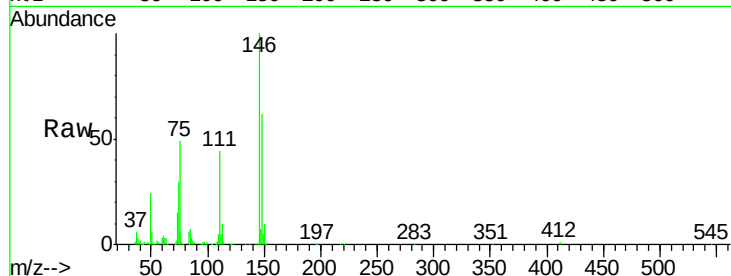




#13
 1,4-Dichlorobenzene
 Concen: 35.69 ng
 RT: 8.10 min Scan# 895
 Delta R.T. -0.04 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

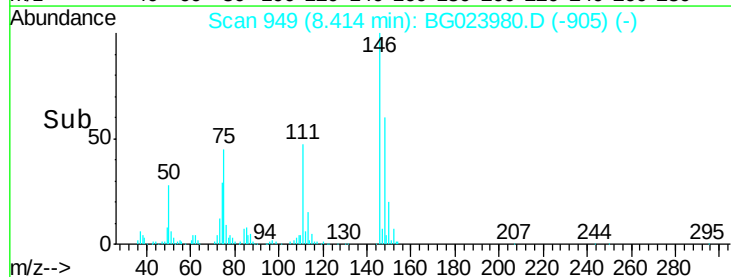
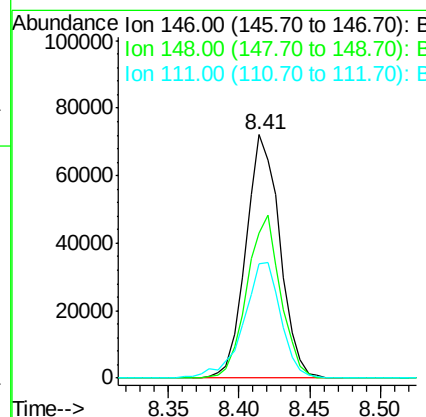
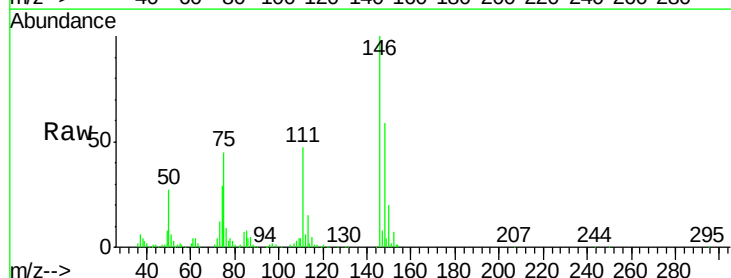
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMSD

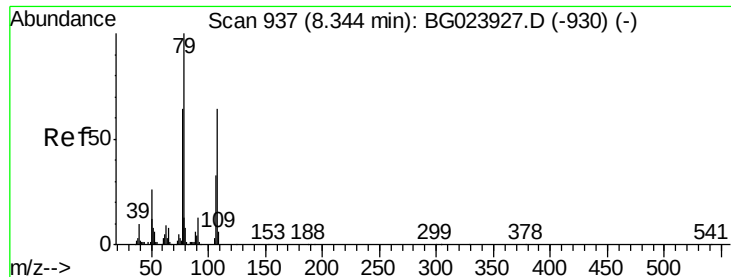
Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.8	54.5	81.7
111	43.7	37.8	56.8



#14
 1,2-Dichlorobenzene
 Concen: 37.69 ng
 RT: 8.41 min Scan# 949
 Delta R.T. -0.04 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

Tgt Ion	Ratio	Lower	Upper
146	100		
148	59.3	52.9	79.3
111	47.0	43.5	65.3





#15

Benzyl Alcohol

Concen: 60.98 ng

RT: 8.31 min Scan# 931

Delta R.T. -0.05 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

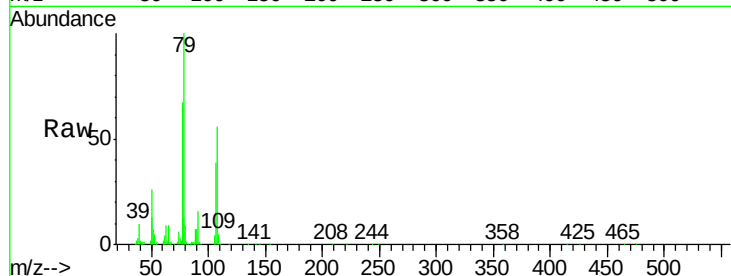
Tgt Ion: 79 Resp: 197939

Ion Ratio Lower Upper

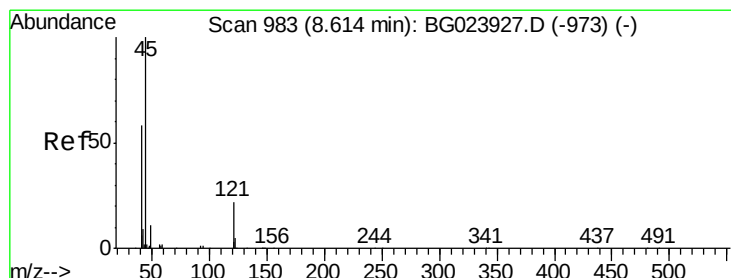
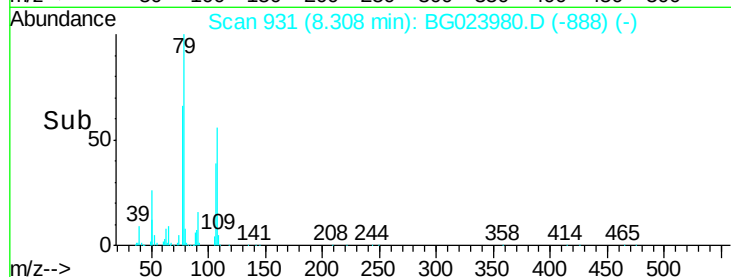
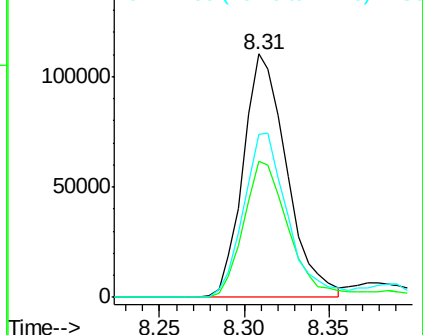
79 100

108 55.9 46.5 69.7

77 66.9 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: 44.18 ng

RT: 8.60 min Scan# 980

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

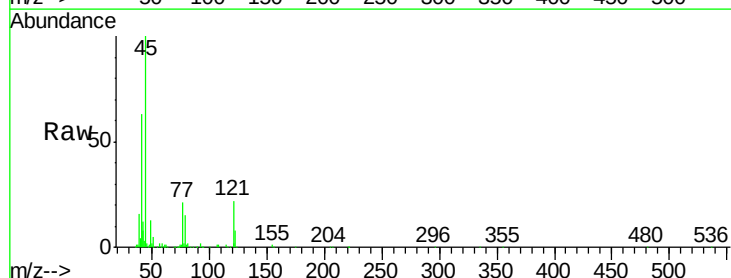
Tgt Ion: 45 Resp: 180423

Ion Ratio Lower Upper

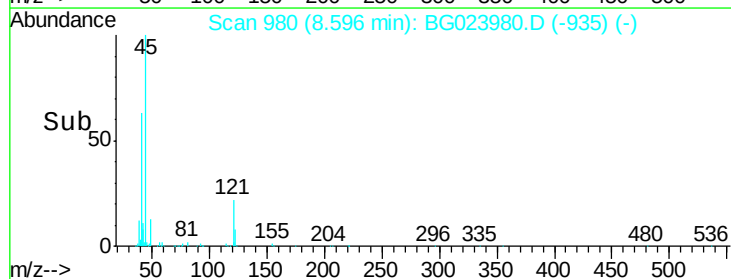
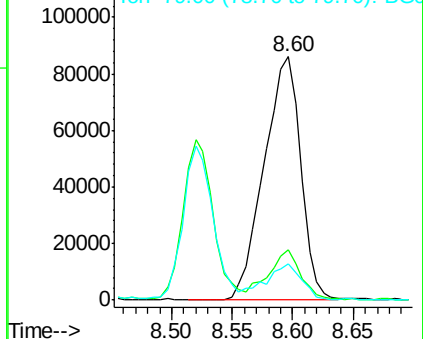
45 100

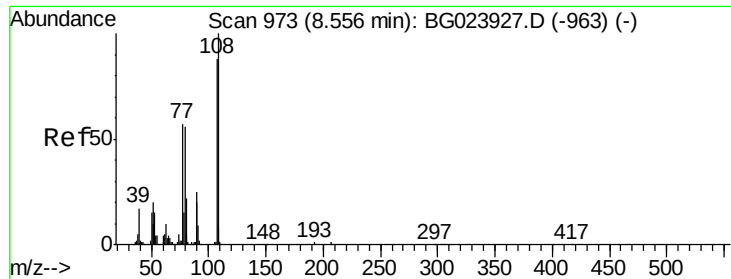
77 20.7 0.6 40.6

79 15.1 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: 54.88 ng

RT: 8.52 min Scan# 967

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

Tgt Ion:107 Resp: 143202

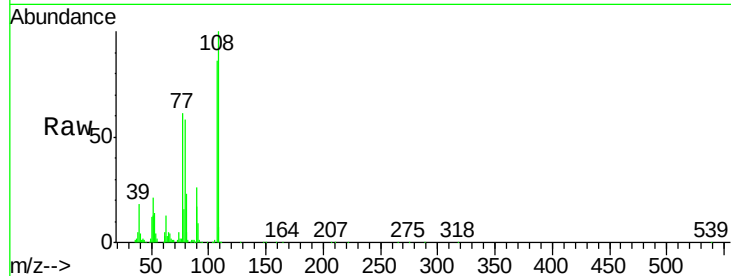
Ion Ratio Lower Upper

107 100

108 115.8 92.0 138.0

77 70.2 55.8 83.6

79 67.2 55.0 82.6

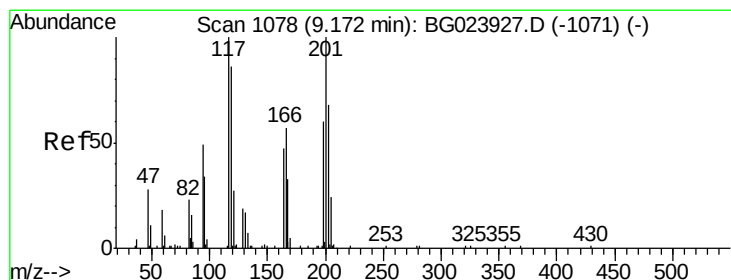
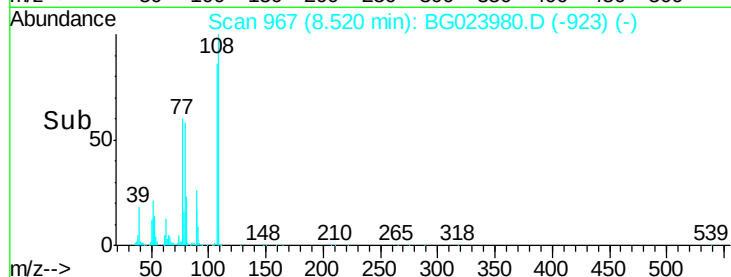
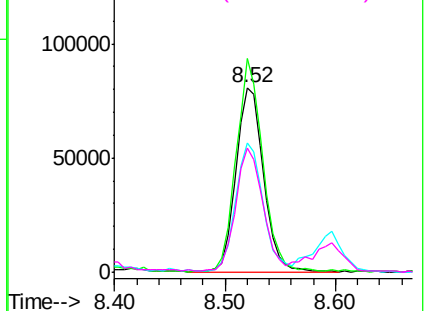


Abundance Ion 107.00 (106.70 to 107.70): E

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: 39.45 ng

RT: 9.14 min Scan# 1073

Delta R.T. -0.05 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

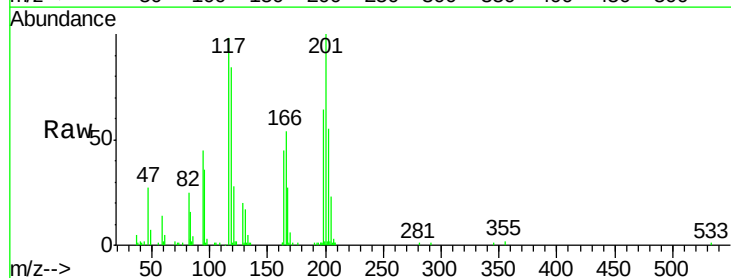
Tgt Ion:117 Resp: 52189

Ion Ratio Lower Upper

117 100

119 86.1 73.7 110.5

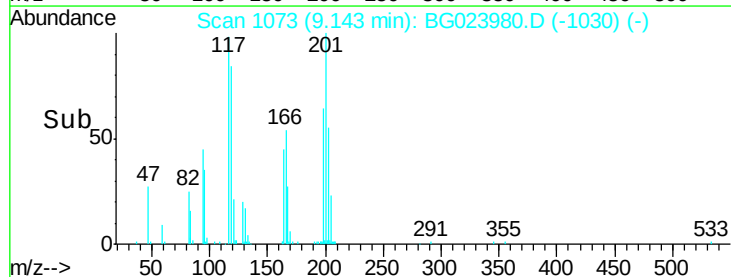
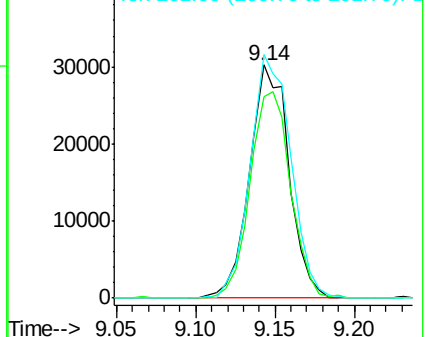
201 104.4 88.7 133.1

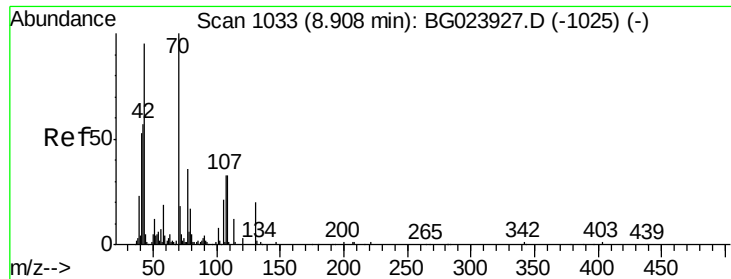


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

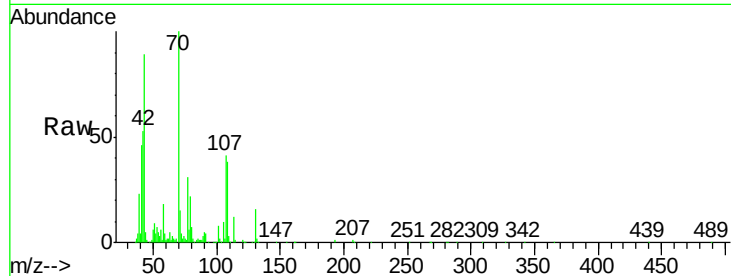




#19
n-Nitroso-di-n-propylamine
Concen: 51.73 ng
RT: 8.87 min Scan# 1027
Delta R.T. -0.04 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMSD

Tgt Ion:	70	Resp:	168245
Ion	Ratio	Lower	Upper
70	100		
42	53.1	42.1	63.1
101	8.0	7.2	10.8
130	16.0	14.2	21.2



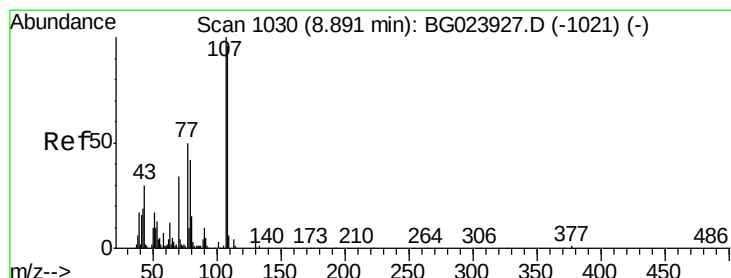
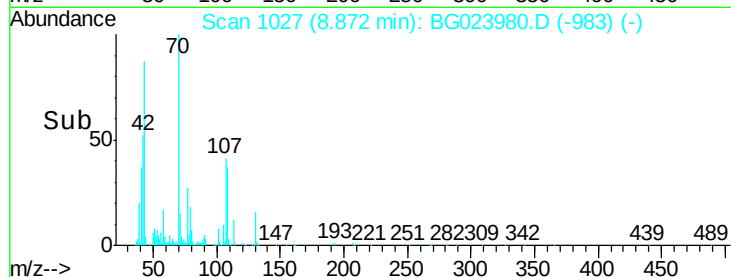
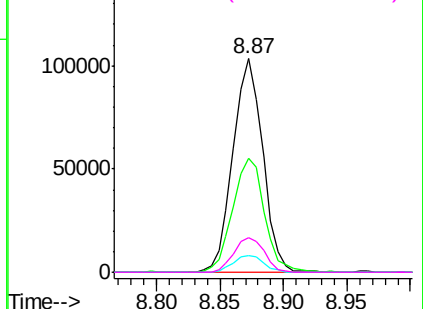
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

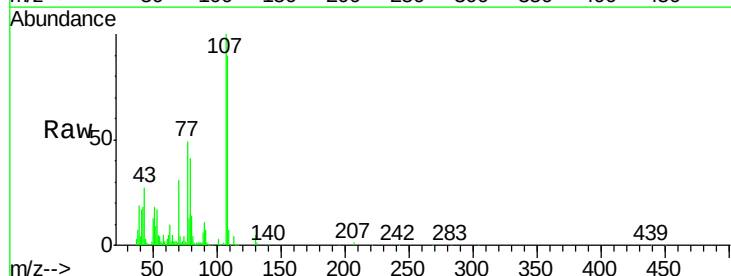
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20
3+4-Methylphenols
Concen: 54.17 ng
RT: 8.85 min Scan# 1024
Delta R.T. -0.04 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Tgt Ion:	107	Resp:	196960
Ion	Ratio	Lower	Upper
107	100		
108	89.6	72.5	112.5
77	48.6	30.1	70.1
79	41.2	24.2	64.2



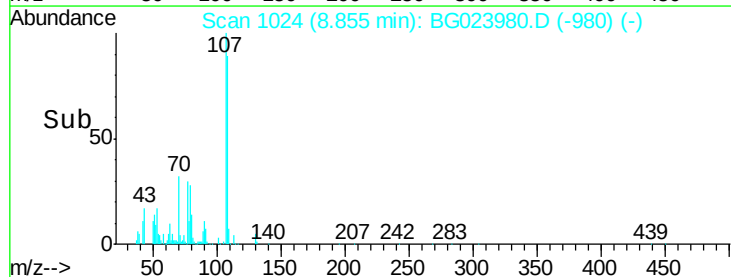
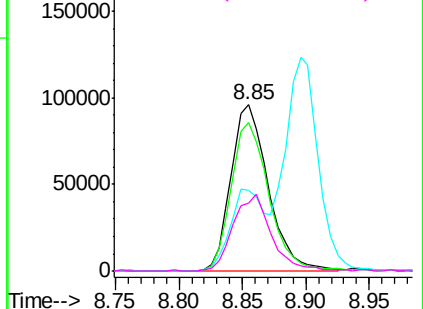
Abundance

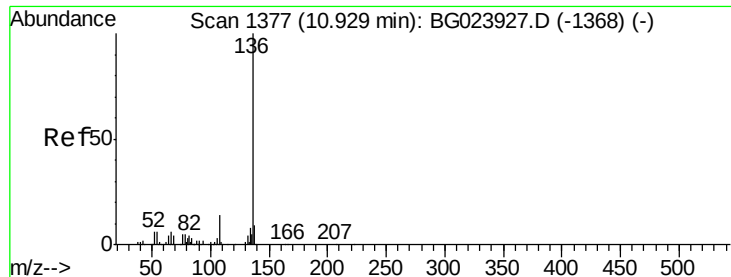
Ion 107.00 (106.70 to 107.70): BGC

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

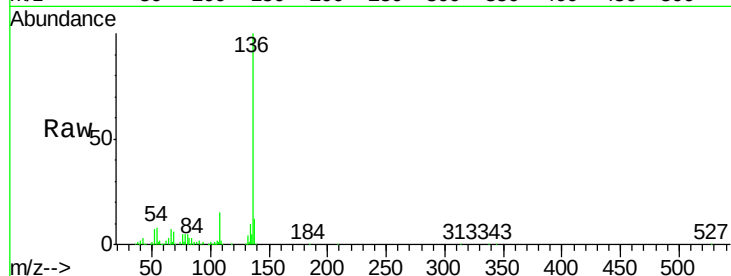




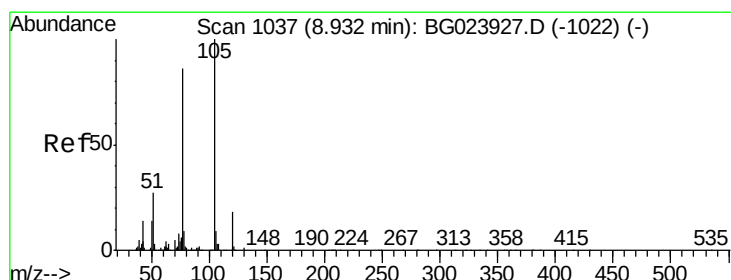
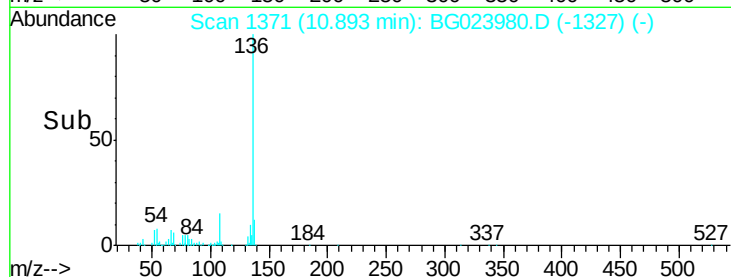
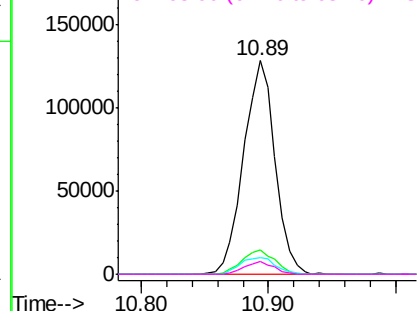
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1371
Delta R.T. -0.04 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMSD

Tgt Ion:	136	Resp:	220277
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	8.0	7.3	10.9
68	6.0	5.3	7.9

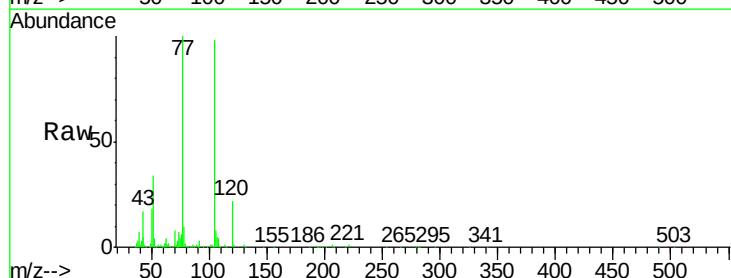


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

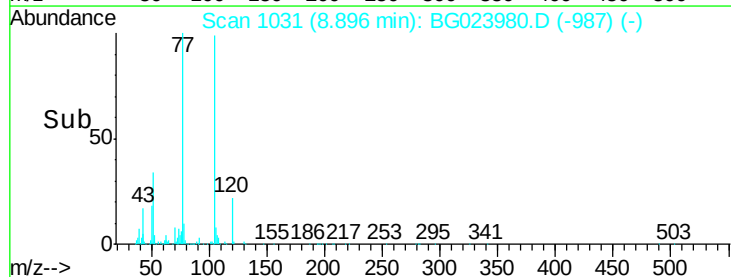
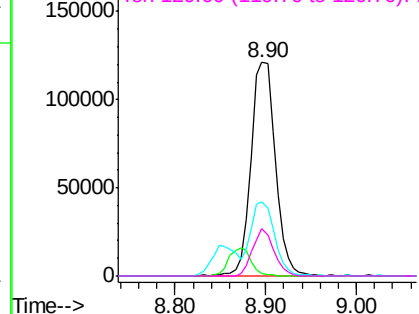


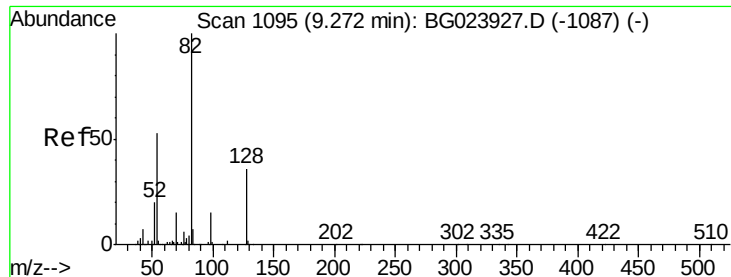
#22
Acetophenone
Concen: 39.76 ng
RT: 8.90 min Scan# 1031
Delta R.T. -0.04 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Tgt Ion:	105	Resp:	226723
Ion	Ratio	Lower	Upper
105	100		
71	1.1	2.6	3.8#
51	34.7	27.1	40.7
120	22.1	15.1	22.7



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

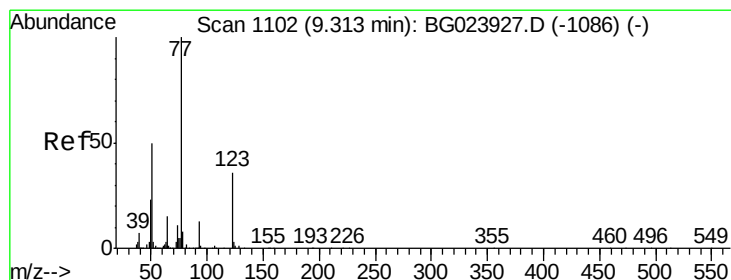
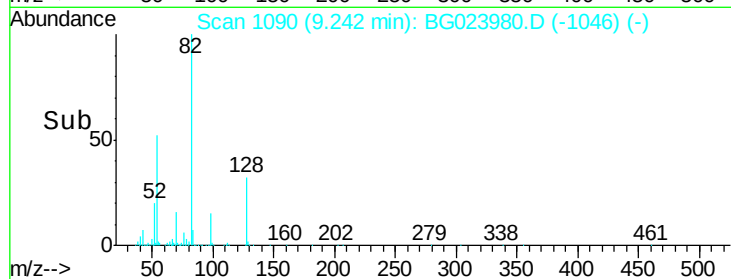
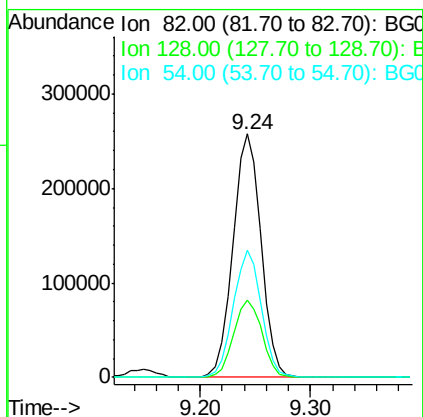
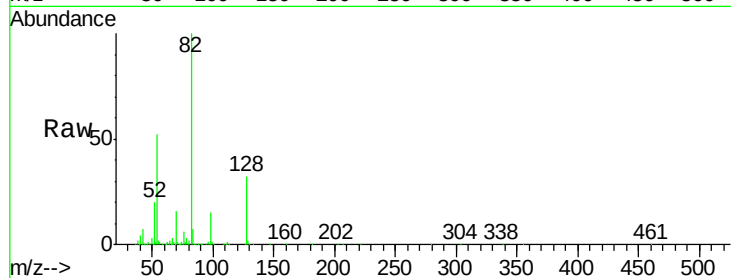




#23
 Nitrobenzene-d5
 Concen: 93.11 ng
 RT: 9.24 min Scan# 1090
 Delta R.T. -0.04 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

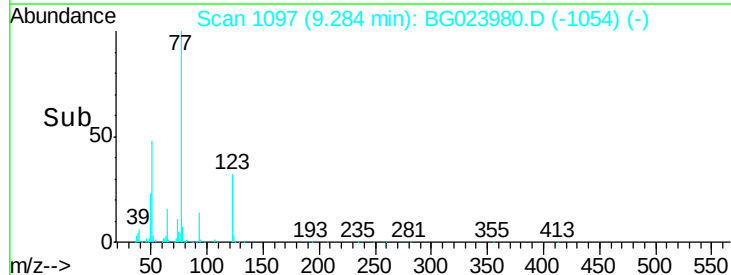
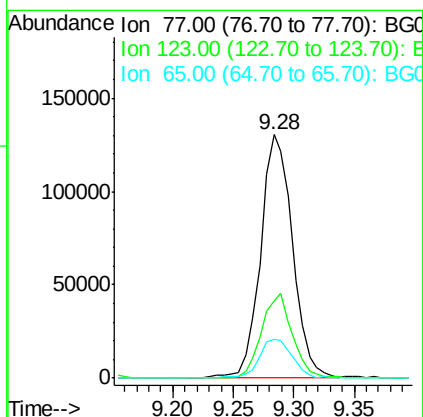
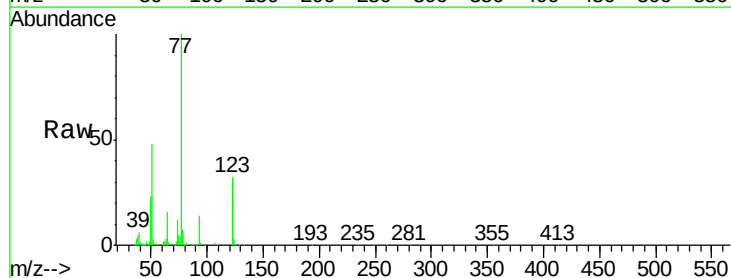
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMSD

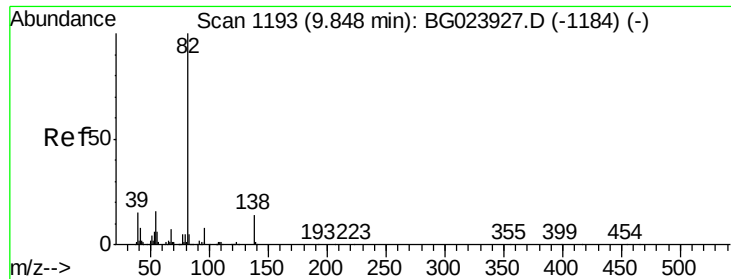
Tgt Ion: 82 Resp: 459400
 Ion Ratio Lower Upper
 82 100
 128 31.5 24.4 36.6
 54 52.0 41.4 62.0



#24
 Nitrobenzene
 Concen: 44.90 ng
 RT: 9.28 min Scan# 1097
 Delta R.T. -0.05 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

Tgt Ion: 77 Resp: 238234
 Ion Ratio Lower Upper
 77 100
 123 31.7 25.0 37.6
 65 15.8 13.4 20.0





#25

Isophorone

Concen: 48.43 ng

RT: 9.81 min Scan# 1186

Delta R.T. -0.05 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

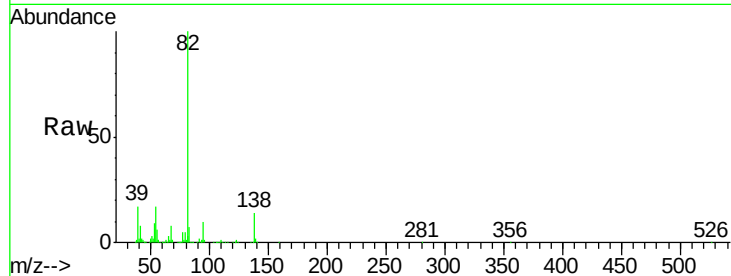
Tgt Ion: 82 Resp: 463384

Ion Ratio Lower Upper

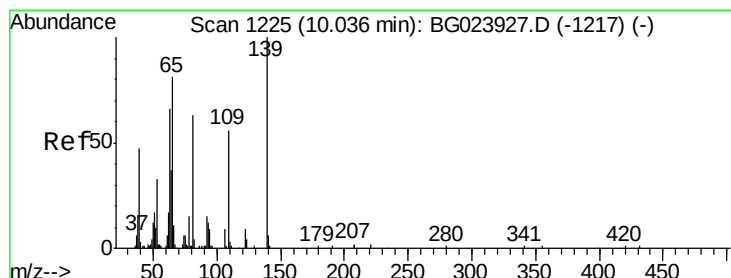
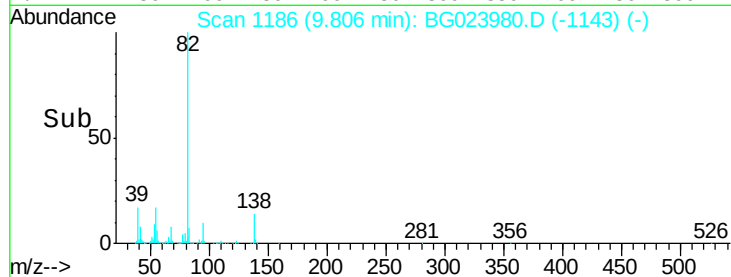
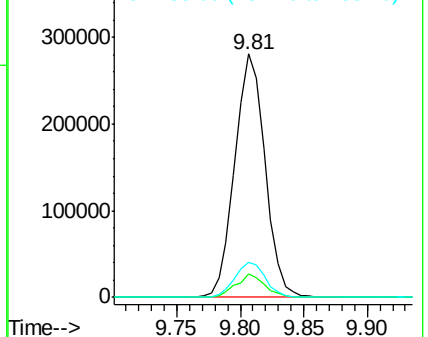
82 100

95 9.6 8.2 12.2

138 14.3 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: 44.94 ng

RT: 10.00 min Scan# 1219

Delta R.T. -0.05 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

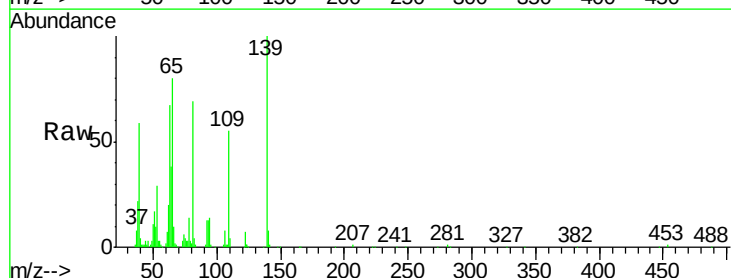
Tgt Ion: 139 Resp: 90644

Ion Ratio Lower Upper

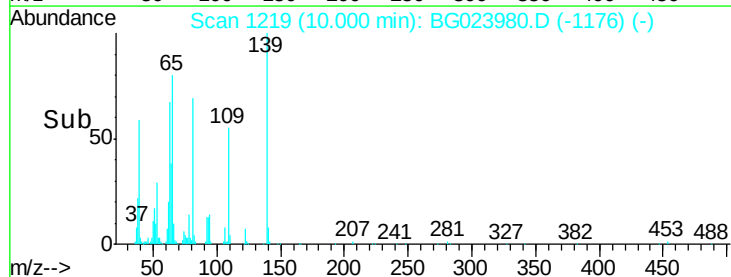
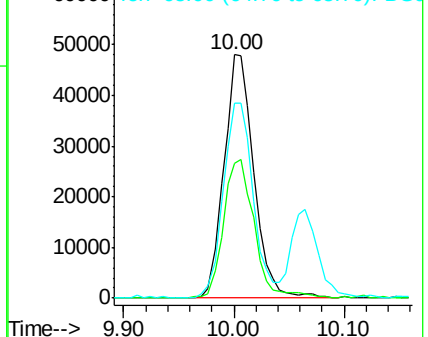
139 100

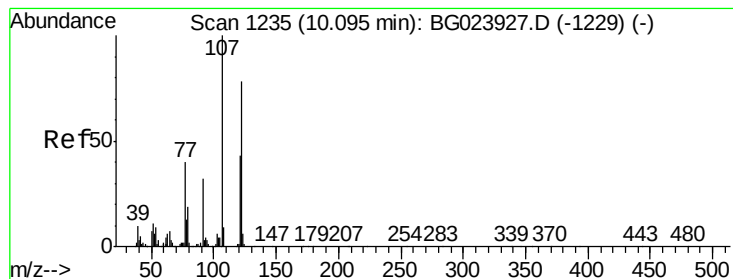
109 55.3 43.5 65.3

65 79.8 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: 49.92 ng

RT: 10.06 min Scan# 1230

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

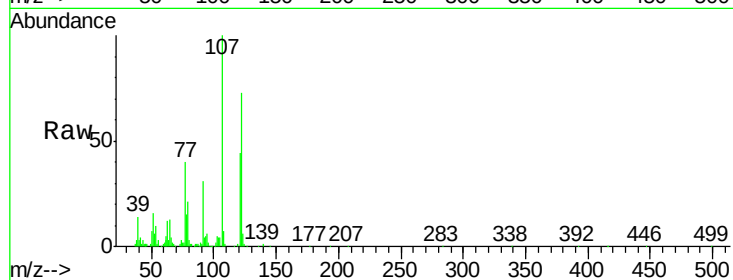
Tgt Ion:122 Resp: 171119

Ion Ratio Lower Upper

122 100

107 137.7 117.0 175.4

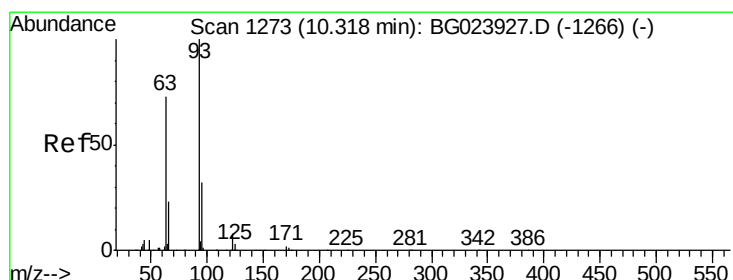
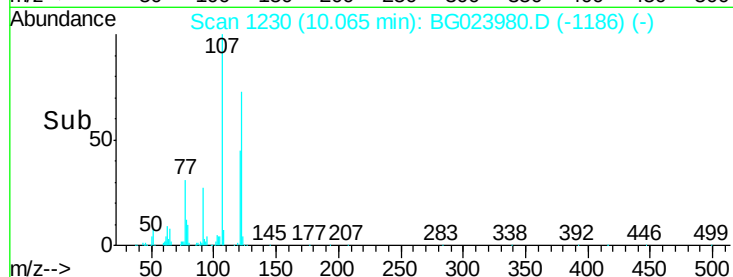
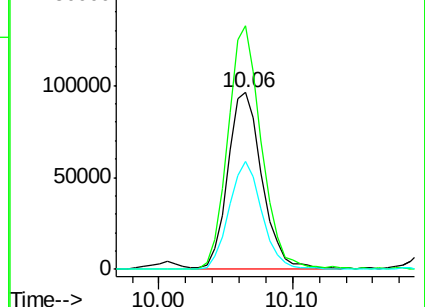
121 60.8 50.1 75.1



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: 48.69 ng

RT: 10.29 min Scan# 1268

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

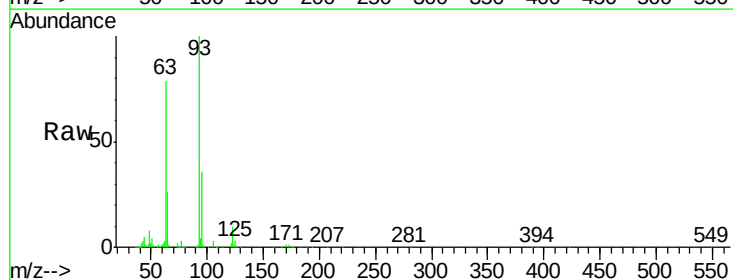
Tgt Ion: 93 Resp: 235230

Ion Ratio Lower Upper

93 100

95 35.9 25.4 38.2

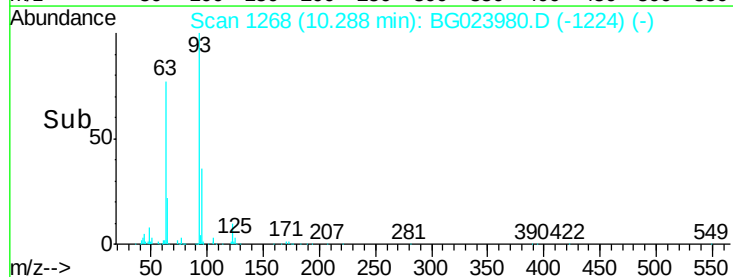
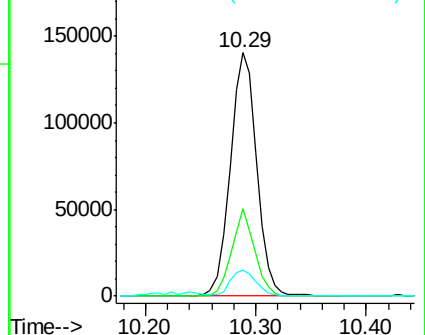
123 10.5 8.2 12.2

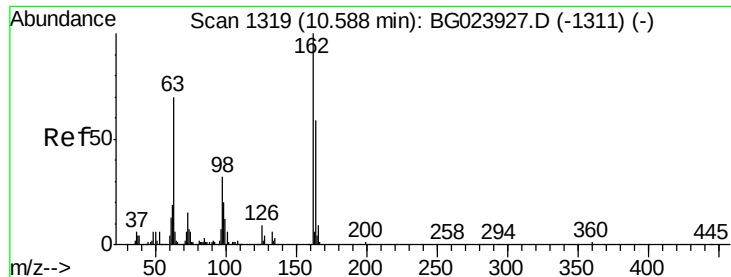


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

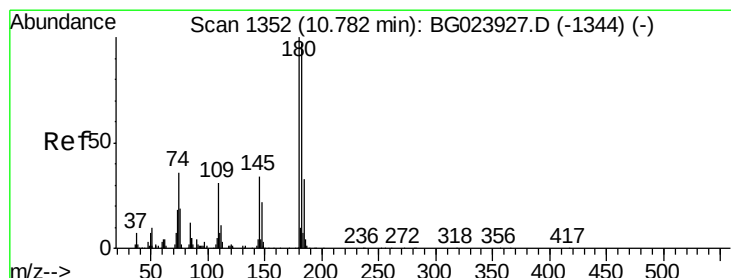
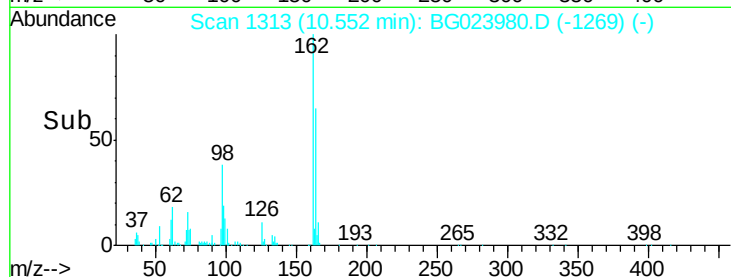
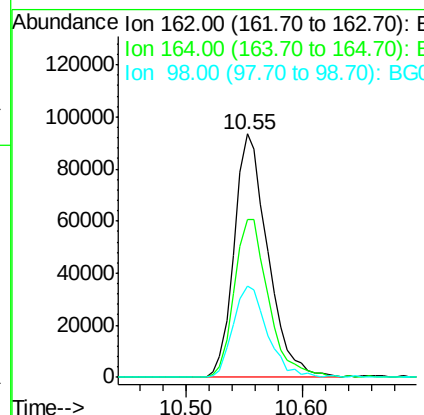
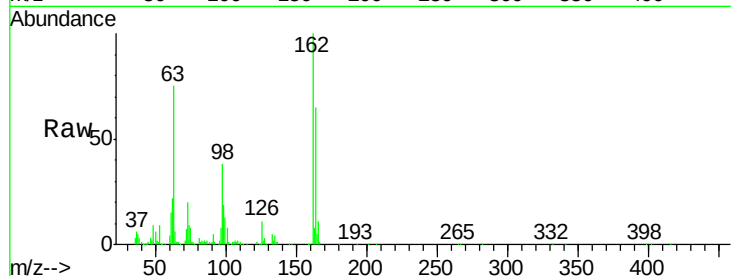




#29
 2,4-Dichlorophenol
 Concen: 52.00 ng
 RT: 10.55 min Scan# 1313
 Delta R.T. -0.04 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

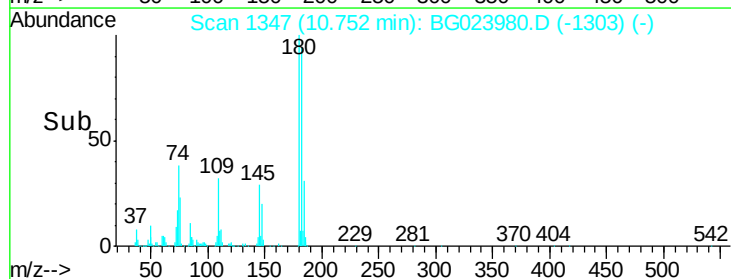
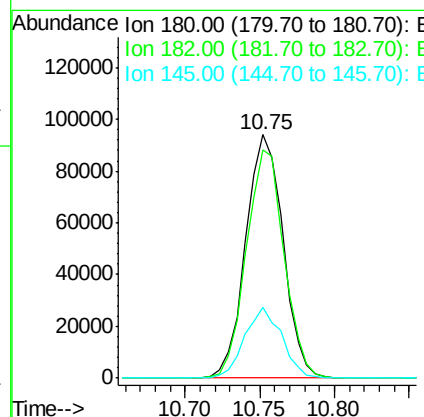
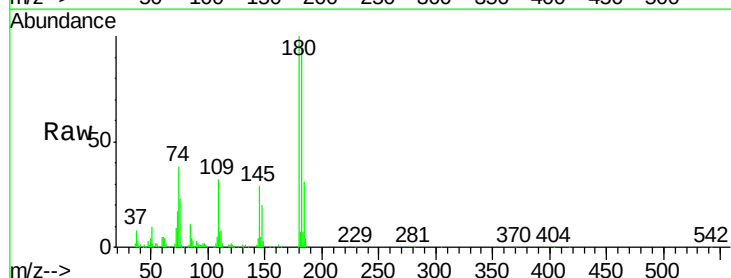
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMSD

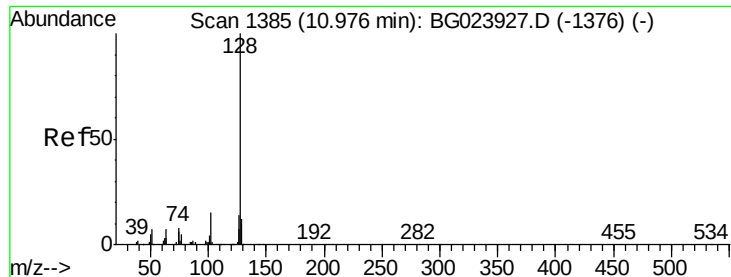
Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.3	84.3
98	37.5	19.5	59.5



#30
 1,2,4-Trichlorobenzene
 Concen: 40.86 ng
 RT: 10.75 min Scan# 1347
 Delta R.T. -0.04 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	73.8	110.8
145	29.1	24.4	36.6





#31

Naphthalene

Concen: 41.41 ng

RT: 10.95 min Scan# 1380

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

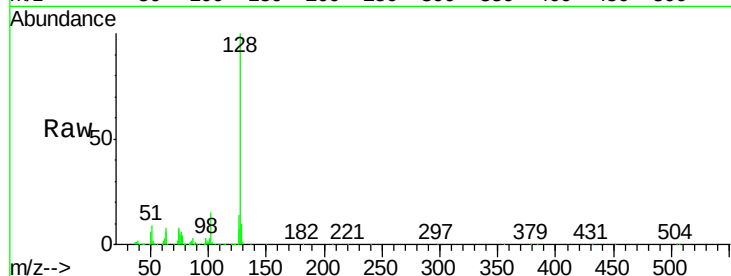
Tgt Ion:128 Resp: 470001

Ion Ratio Lower Upper

128 100

129 10.1 9.4 14.0

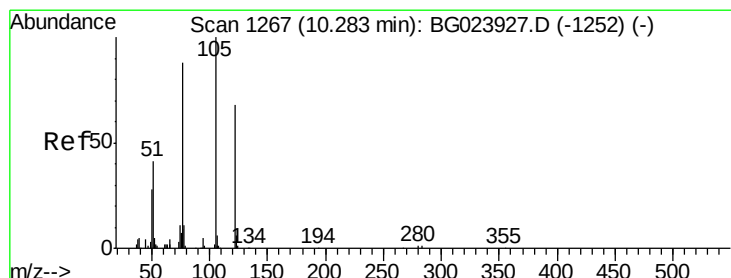
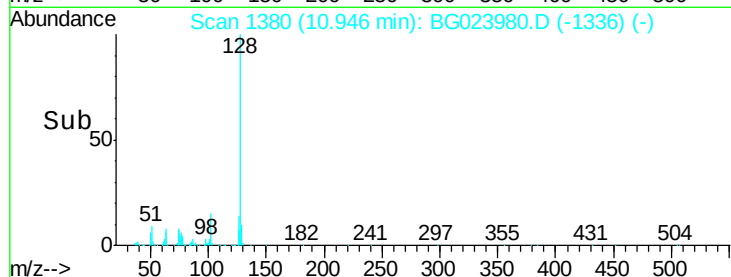
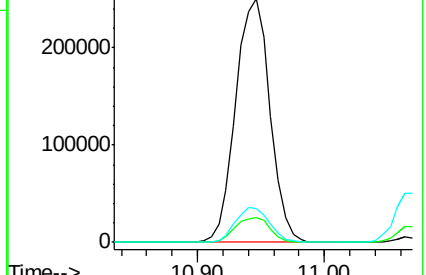
127 13.6 11.3 16.9



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: 29.42 ng

RT: 10.24 min Scan# 1259

Delta R.T. -0.06 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

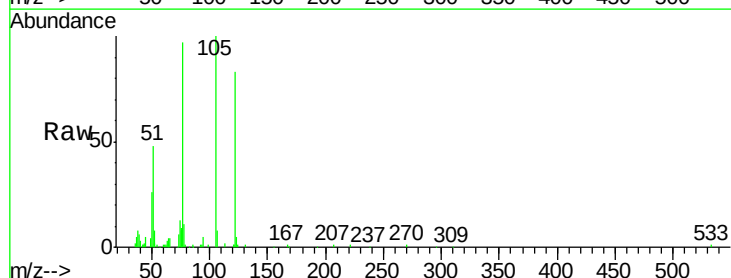
Tgt Ion:122 Resp: 81912

Ion Ratio Lower Upper

122 100

105 120.3 117.2 157.2

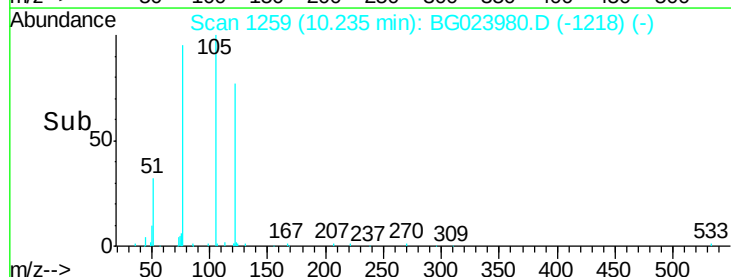
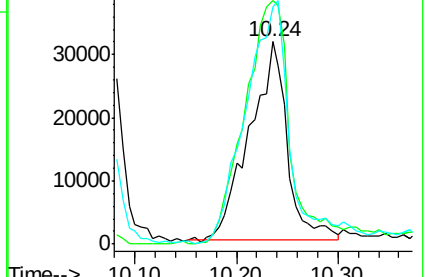
77 117.0 109.2 149.2

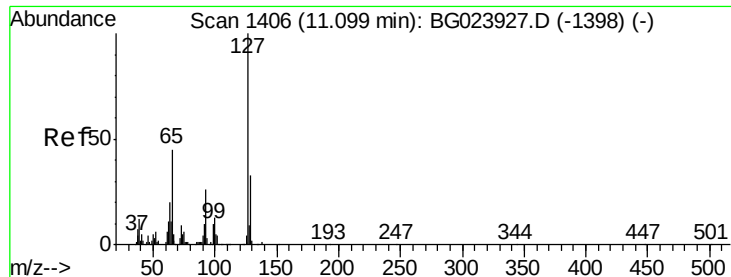


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

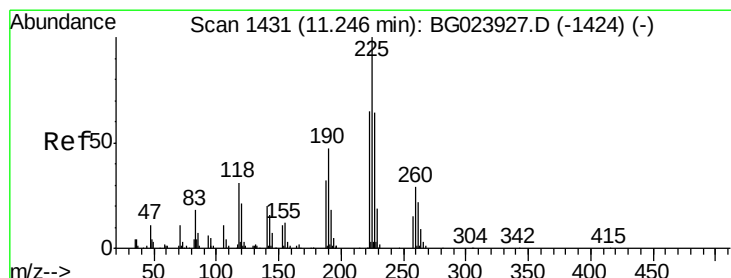
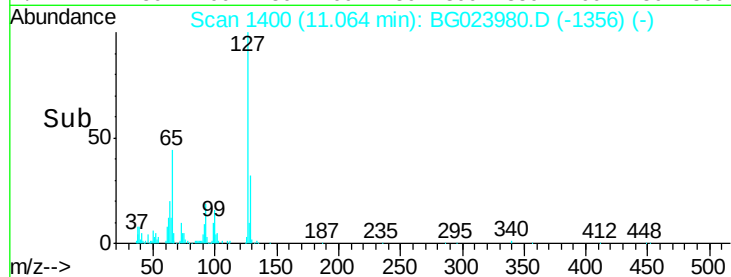
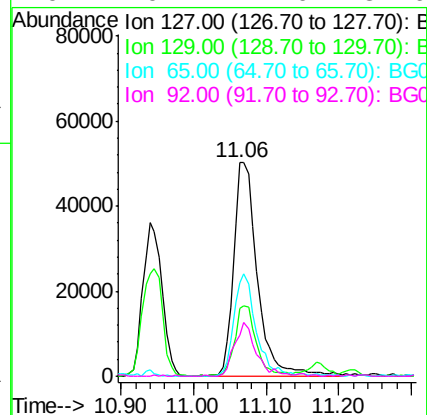
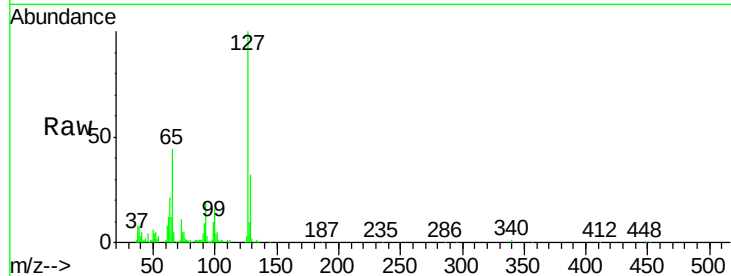




#33
4-Chloroaniline
Concen: 24.20 ng
RT: 11.06 min Scan# 1400
Delta R.T. -0.04 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

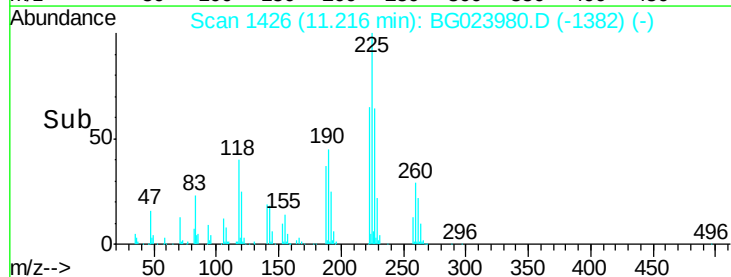
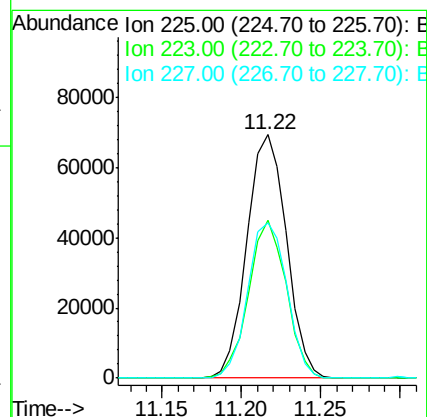
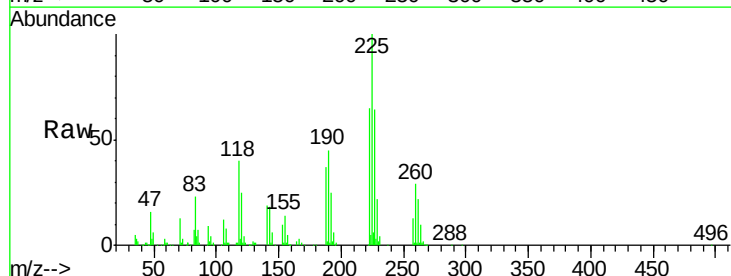
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMSD

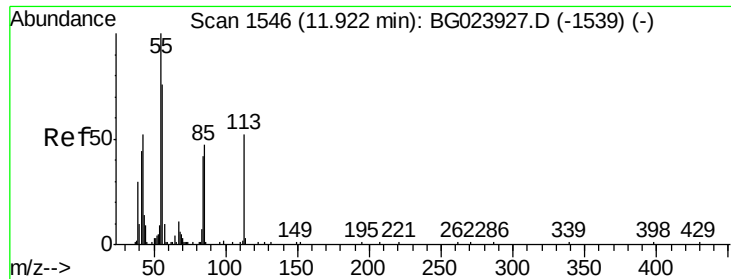
Tgt Ion:	127	Resp:	114714
Ion	Ratio	Lower	Upper
127	100		
129	31.9	27.9	41.9
65	43.6	36.8	55.2
92	19.1	21.0	31.6#



#34
Hexachlorobutadiene
Concen: 40.30 ng
RT: 11.22 min Scan# 1426
Delta R.T. -0.04 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Tgt Ion:	225	Resp:	120575
Ion	Ratio	Lower	Upper
225	100		
223	64.9	49.6	74.4
227	63.9	54.5	81.7





#35

Caprolactam

Concen: 43.04 ng m

RT: 11.88 min Scan# 1539

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

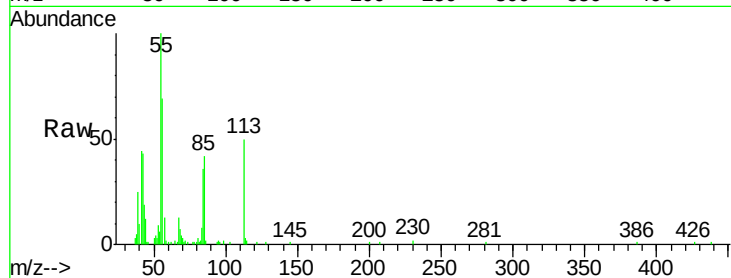
Tgt Ion:113 Resp: 55097

Ion Ratio Lower Upper

113 100

55 200.3 154.5 194.5#

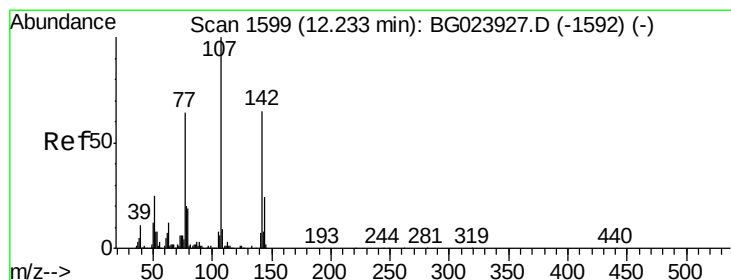
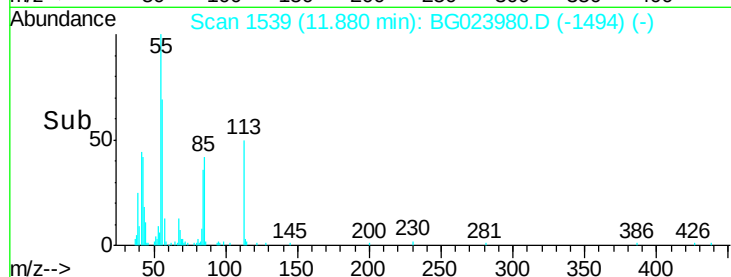
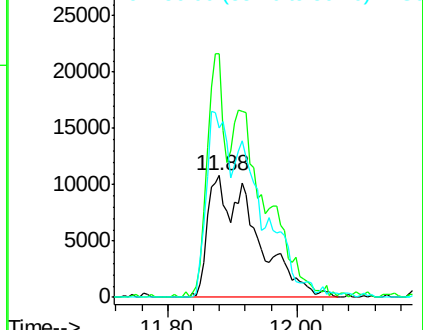
56 138.9 125.1 165.1



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: 53.14 ng

RT: 12.20 min Scan# 1594

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

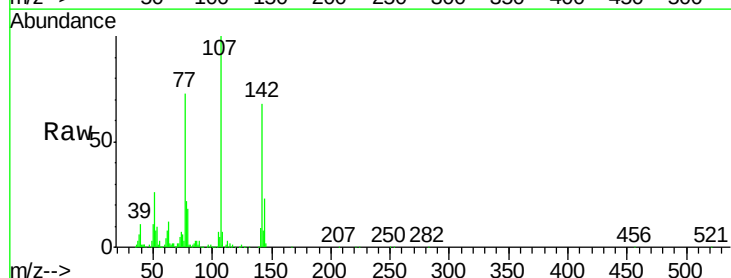
Tgt Ion:107 Resp: 257875

Ion Ratio Lower Upper

107 100

144 23.3 17.0 25.6

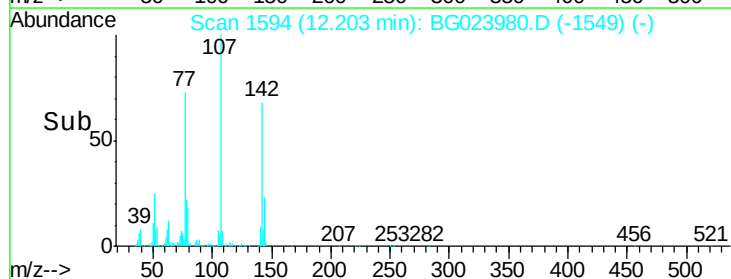
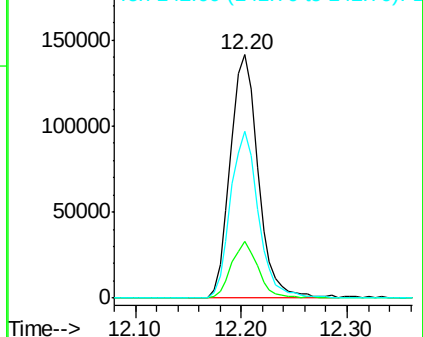
142 68.3 53.0 79.6

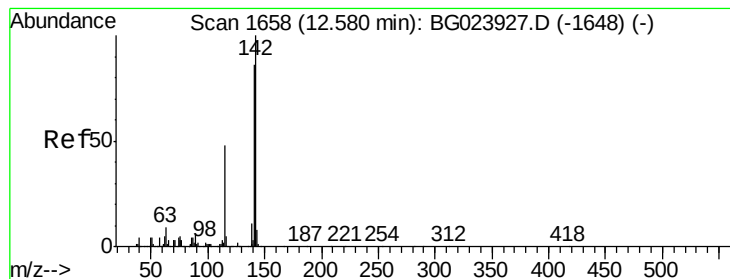


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 46.75 ng

RT: 12.56 min Scan# 1654

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

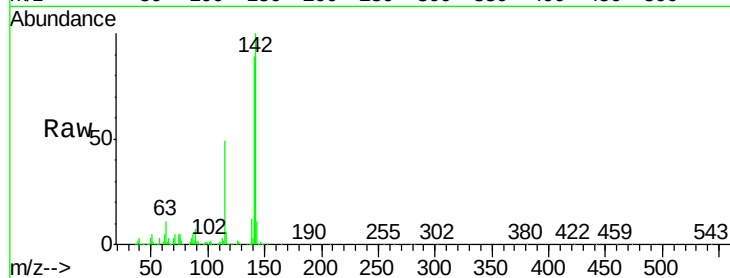
Tgt Ion:142 Resp: 403673

Ion Ratio Lower Upper

142 100

141 88.9 70.2 105.2

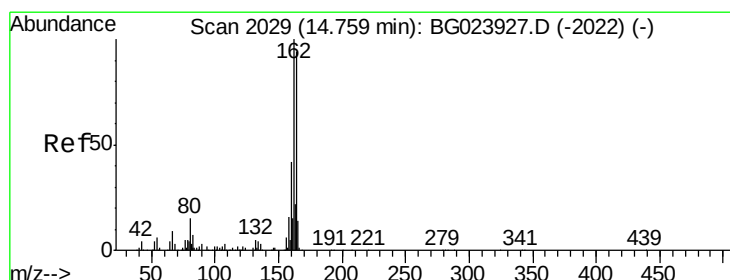
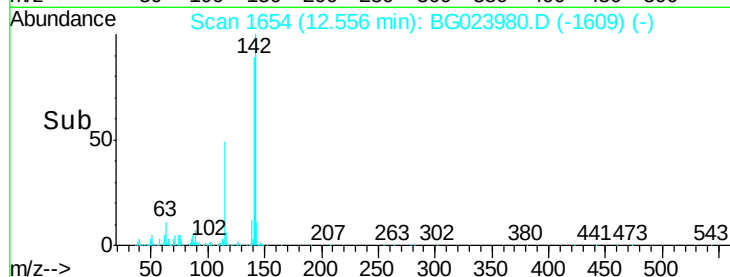
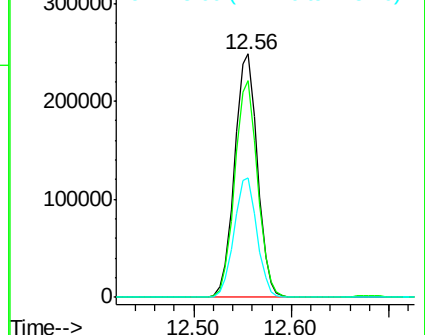
115 49.2 41.7 62.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.74 min Scan# 2025

Delta R.T. -0.03 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

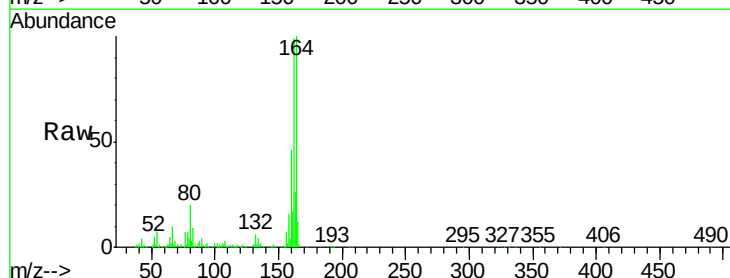
Tgt Ion:164 Resp: 188712

Ion Ratio Lower Upper

164 100

162 99.3 87.7 131.5

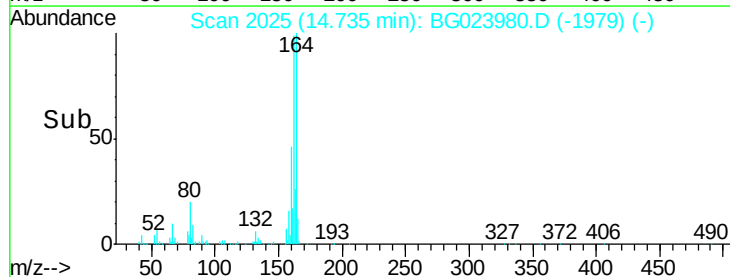
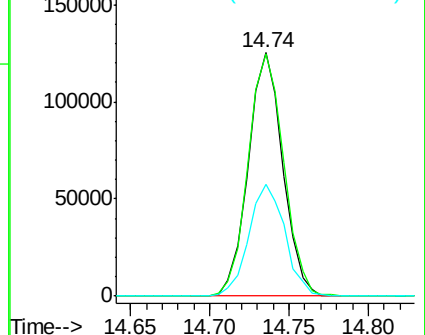
160 46.0 37.2 55.8

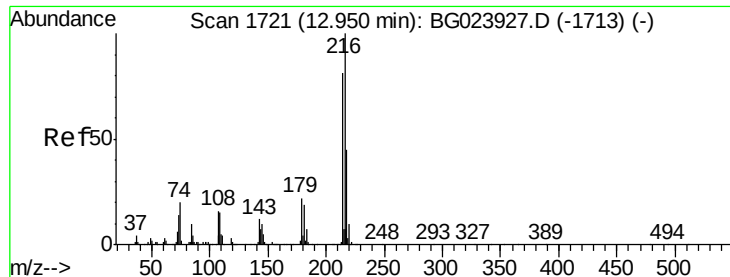


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.03 ng

RT: 12.92 min Scan# 1716

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

Tgt Ion:216 Resp: 231950

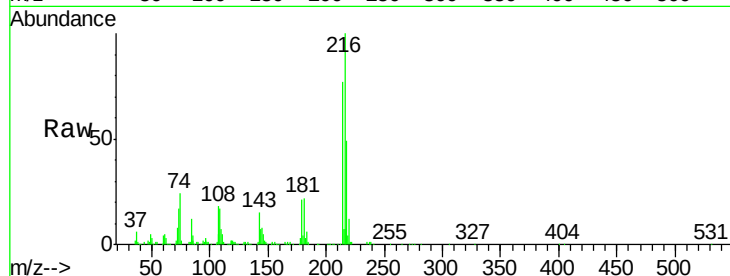
Ion Ratio Lower Upper

216 100

214 75.4 62.9 94.3

179 21.3 17.2 25.8

108 20.5 16.3 24.5

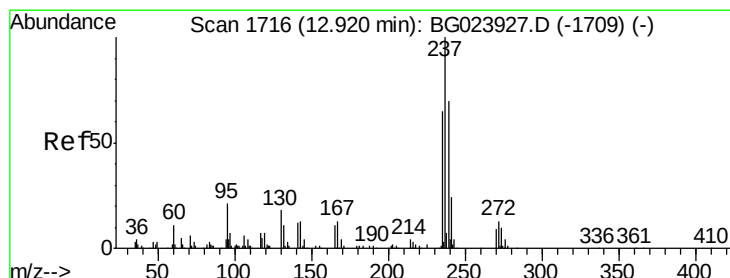
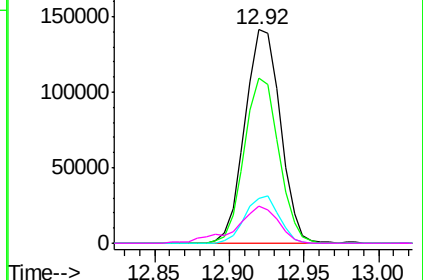
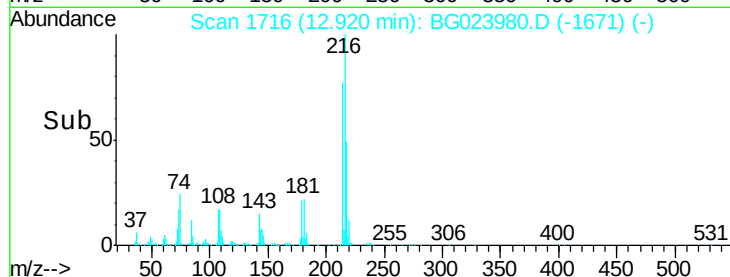


Abundance Ion 216.00 (215.70 to 216.70): E

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: 58.94 ng

RT: 12.89 min Scan# 1711

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

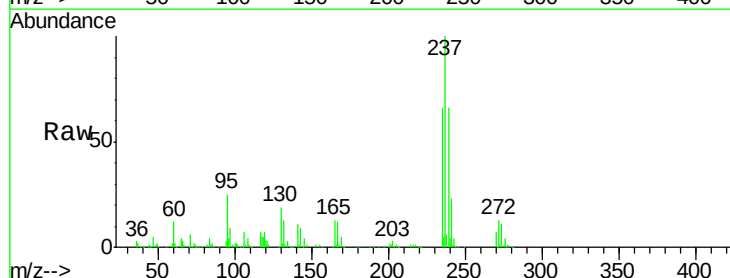
Tgt Ion:237 Resp: 214732

Ion Ratio Lower Upper

237 100

235 66.1 43.1 83.1

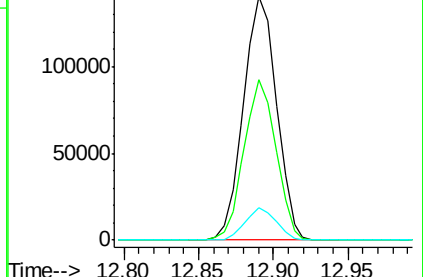
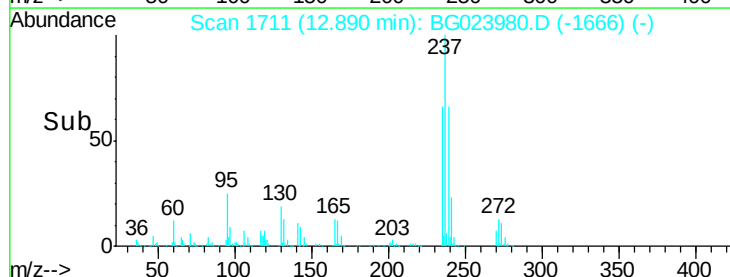
272 13.1 0.0 30.9

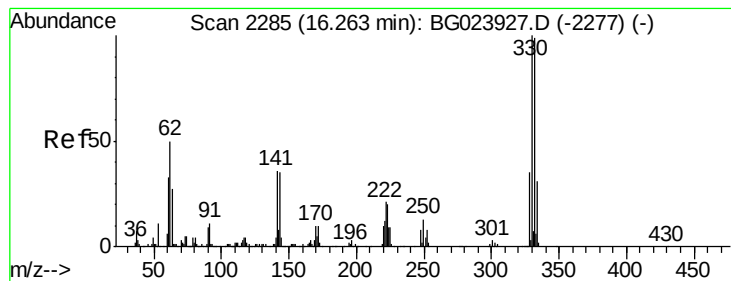


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 133.37 ng

RT: 16.24 min Scan# 2281

Delta R.T. -0.03 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

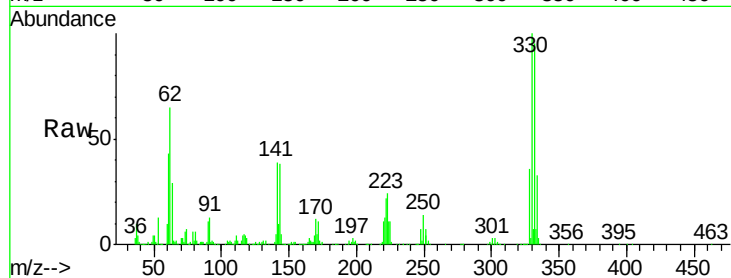
Tgt Ion:330 Resp: 453444

Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.2

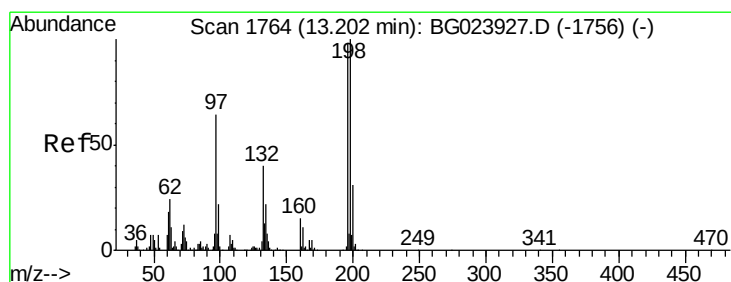
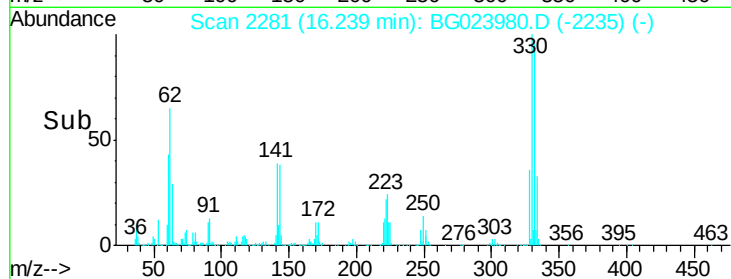
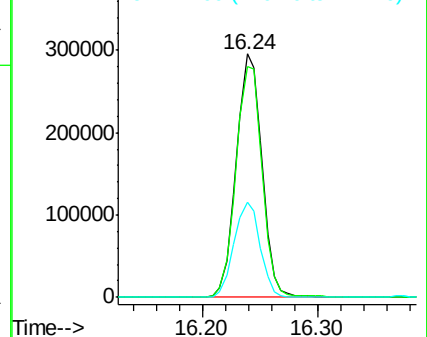
141 39.8 31.7 47.5



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: 45.06 ng

RT: 13.17 min Scan# 1759

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

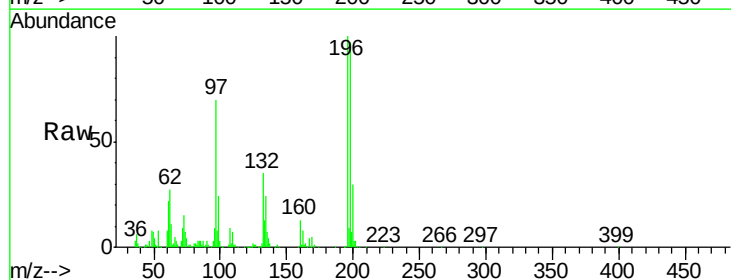
Tgt Ion:196 Resp: 188368

Ion Ratio Lower Upper

196 100

198 97.3 78.2 117.2

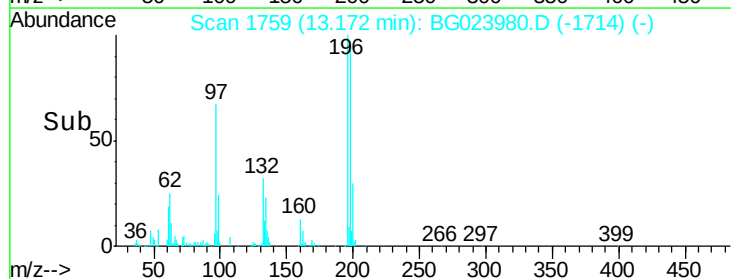
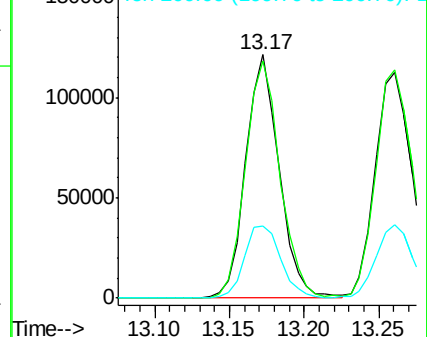
200 29.8 27.0 40.4

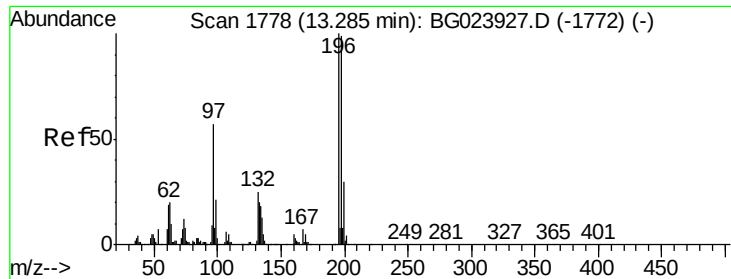


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

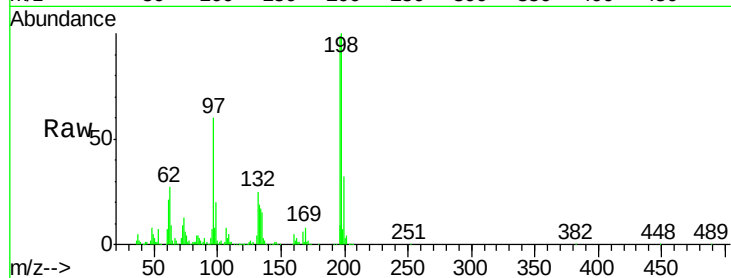




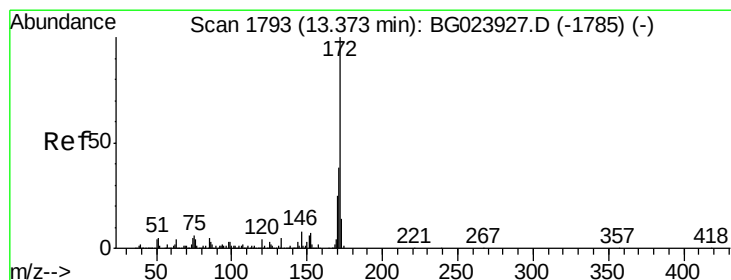
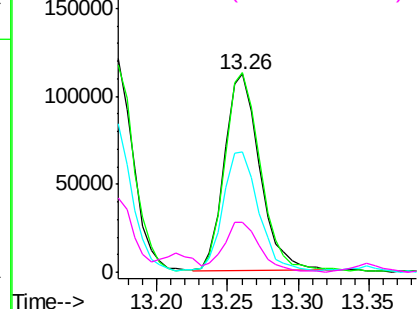
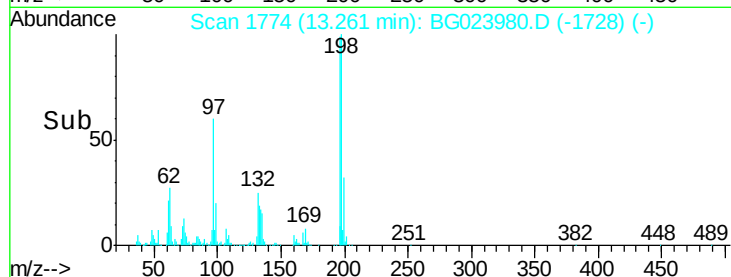
#43
2,4,5-Trichlorophenol
Concen: 46.19 ng
RT: 13.26 min Scan# 1774
Delta R.T. -0.03 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMSD

Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.9	85.7	128.5
97	60.9	45.5	68.3
132	25.5	18.9	28.3

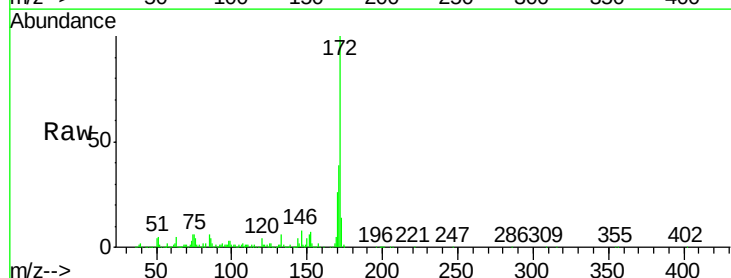


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BGC
Ion 132.00 (131.70 to 132.70): E

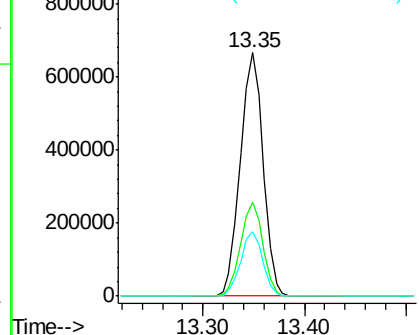
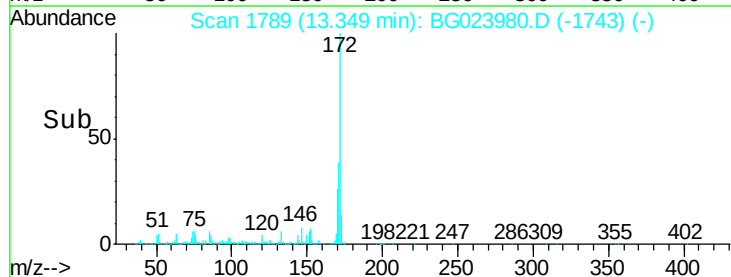


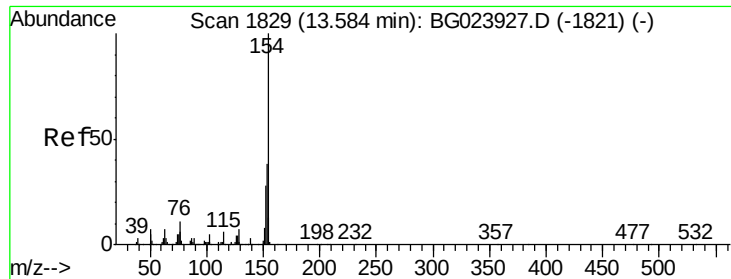
#44
2-Fluorobiphenyl
Concen: 79.09 ng
RT: 13.35 min Scan# 1789
Delta R.T. -0.03 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	31.6	47.4
170	26.4	21.3	31.9



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

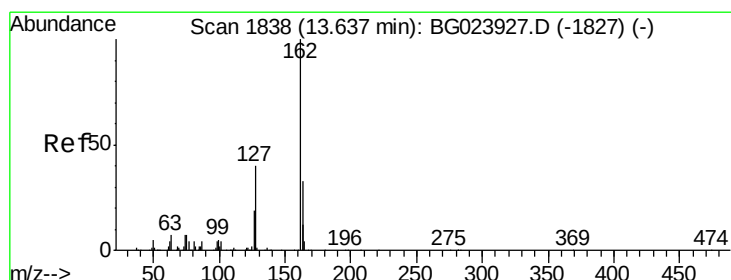
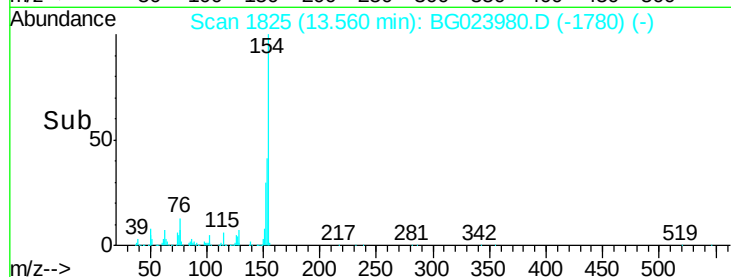
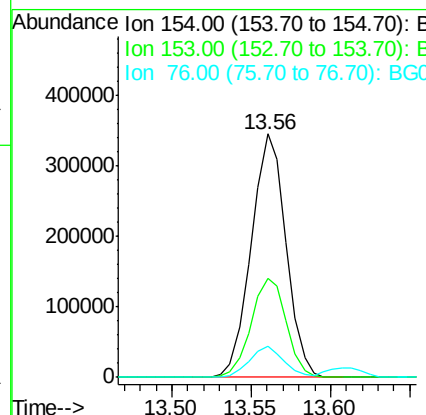
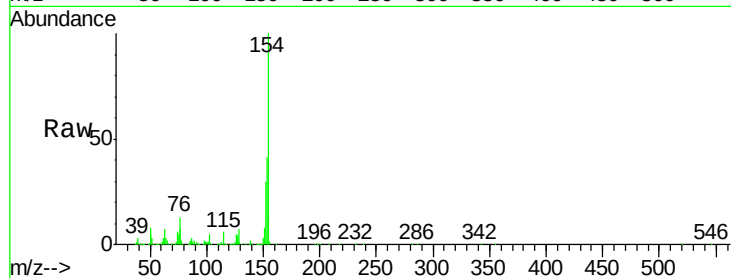




#45
 1,1'-Biphenyl
 Concen: 34.64 ng
 RT: 13.56 min Scan# 1825
 Delta R.T. -0.04 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

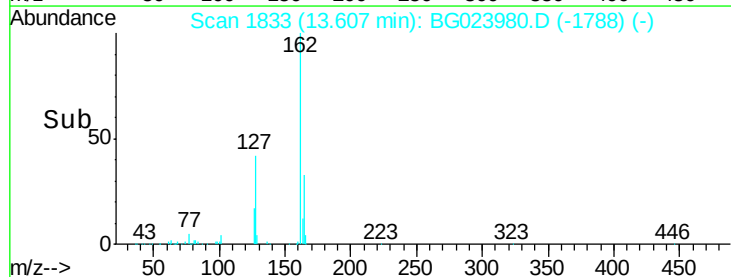
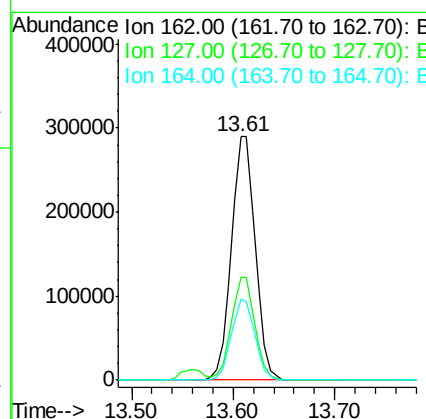
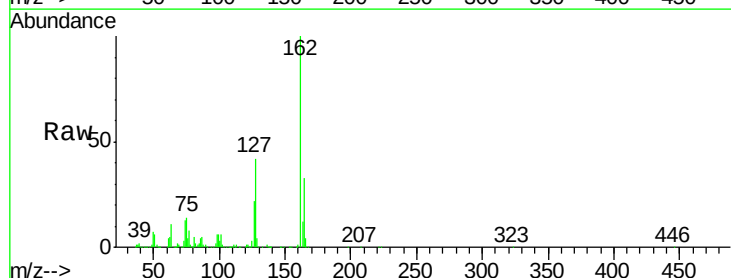
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMSD

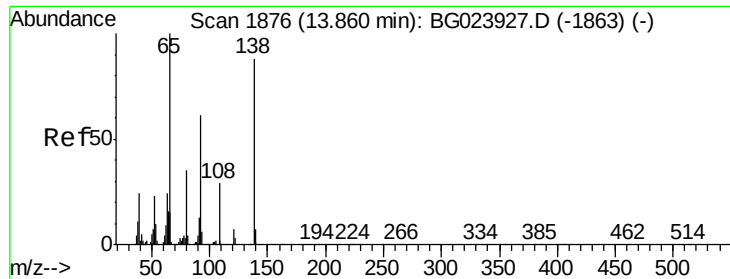
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.2	60.2
76	12.6	0.0	32.9



#46
 2-Chloronaphthalene
 Concen: 42.35 ng
 RT: 13.61 min Scan# 1833
 Delta R.T. -0.04 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.4	32.4	48.6
164	33.4	25.2	37.8

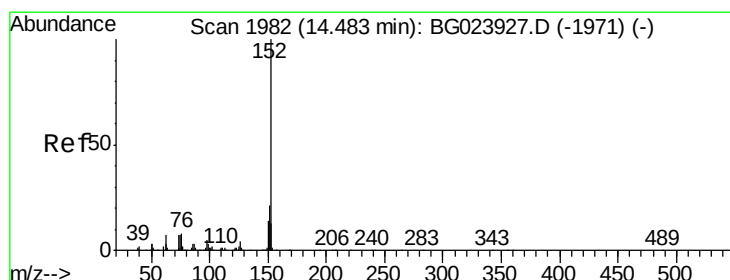
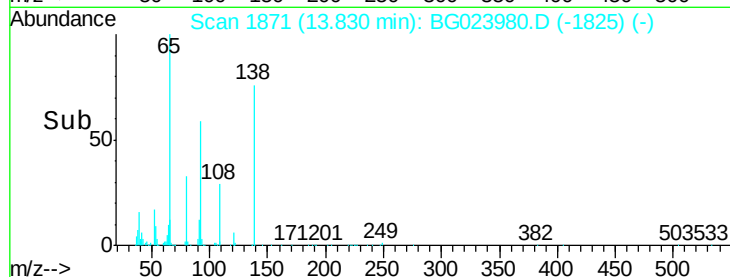
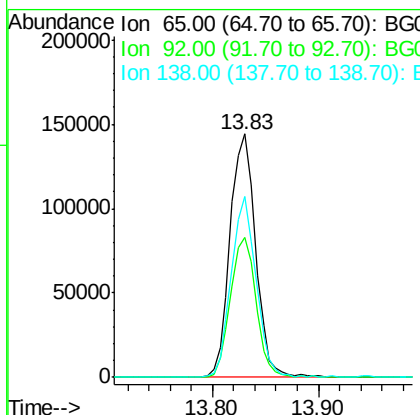
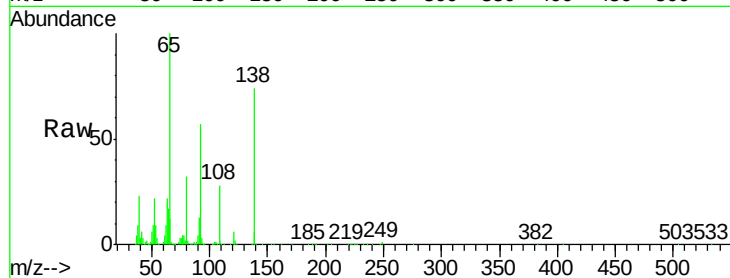




#47
2-Nitroaniline
Concen: 54.78 ng
RT: 13.83 min Scan# 1871
Delta R.T. -0.03 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

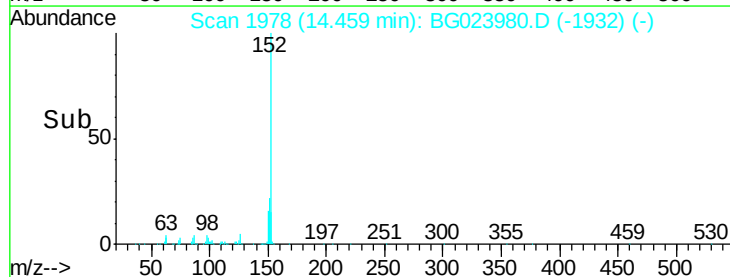
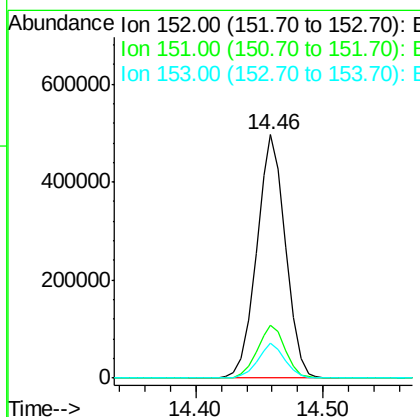
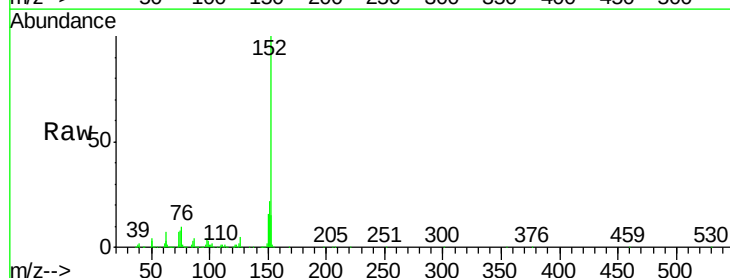
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMSD

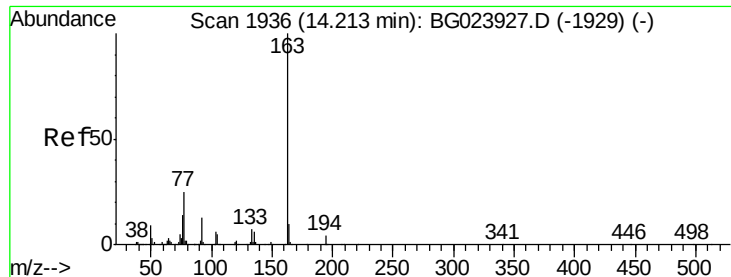
Tgt Ion: 65 Resp: 240435
Ion Ratio Lower Upper
65 100
92 57.4 49.4 74.0
138 74.1 58.0 87.0



#48
Acenaphthylene
Concen: 41.93 ng
RT: 14.46 min Scan# 1978
Delta R.T. -0.03 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Tgt Ion: 152 Resp: 778820
Ion Ratio Lower Upper
152 100
151 21.6 17.6 26.4
153 14.5 11.4 17.2





#49

Dimethylphthalate

Concen: 44.23 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.03 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

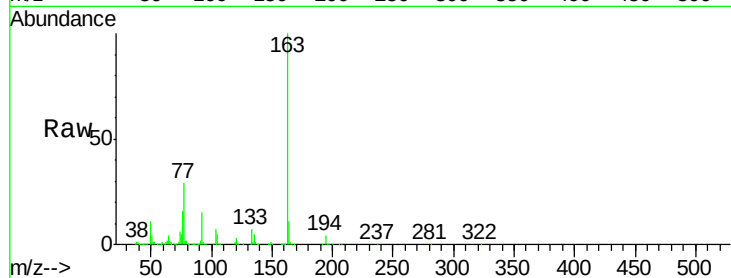
Tgt Ion:163 Resp: 715715

Ion Ratio Lower Upper

163 100

194 4.1 3.6 5.4

164 10.6 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

14.19

400000

300000

200000

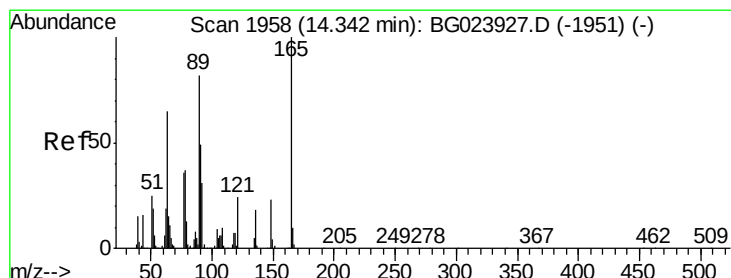
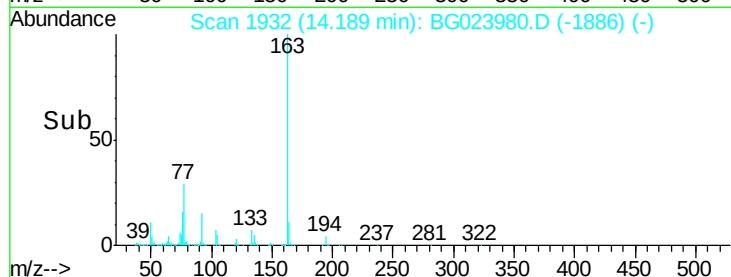
100000

0

14.10

14.20

Time-->



#50

2,6-Dinitrotoluene

Concen: 46.73 ng

RT: 14.32 min Scan# 1954

Delta R.T. -0.03 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

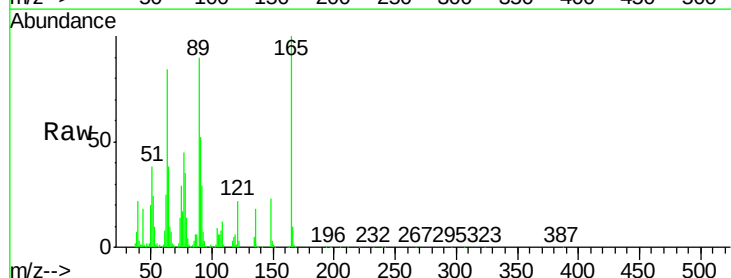
Tgt Ion:165 Resp: 159618

Ion Ratio Lower Upper

165 100

63 84.3 64.3 96.5

89 89.7 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

14.32

100000

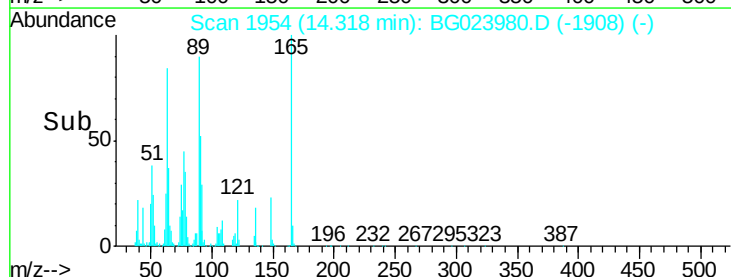
50000

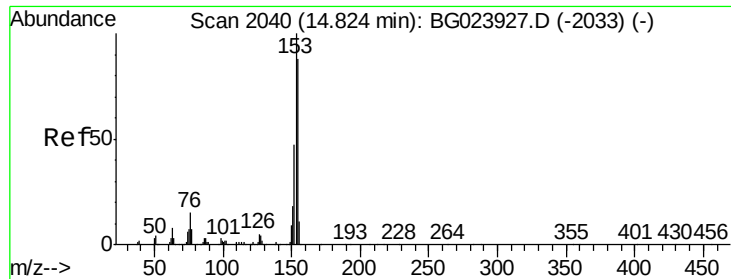
0

14.30

14.40

Time-->

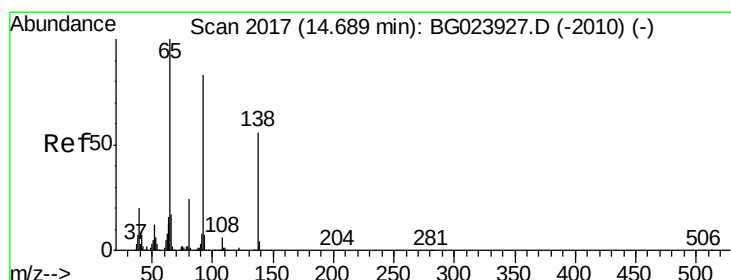
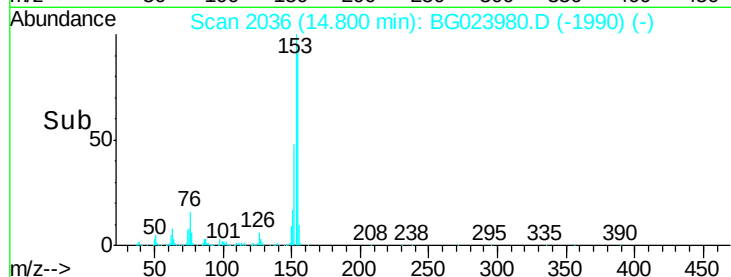
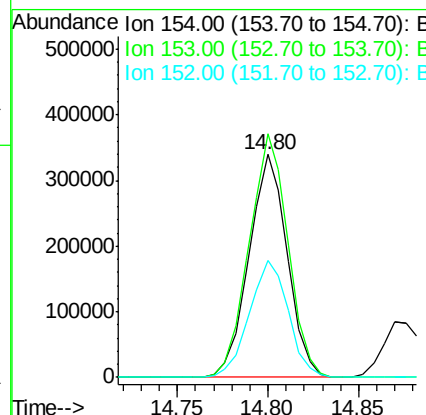
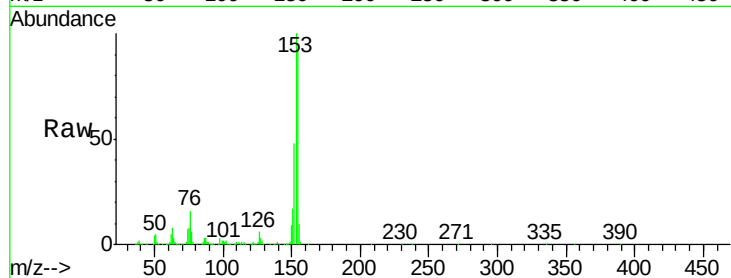




#51
Acenaphthene
Concen: 43.57 ng
RT: 14.80 min Scan# 2036
Delta R.T. -0.03 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

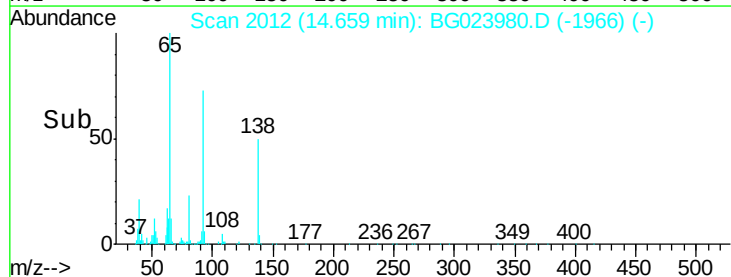
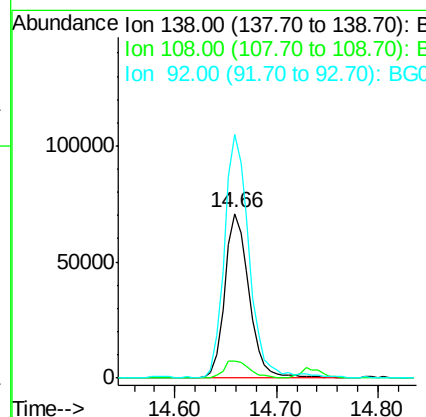
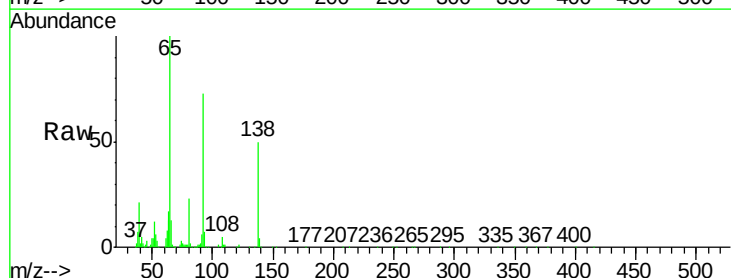
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMSD

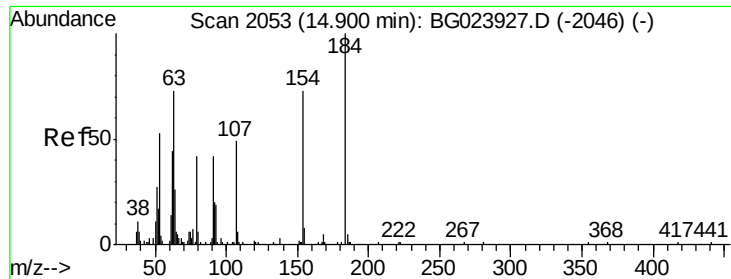
Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.3	87.5	131.3
152	52.4	42.7	64.1



#52
3-Nitroaniline
Concen: 36.87 ng
RT: 14.66 min Scan# 2012
Delta R.T. -0.03 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.6	11.7	17.5#
92	147.8	129.7	194.5

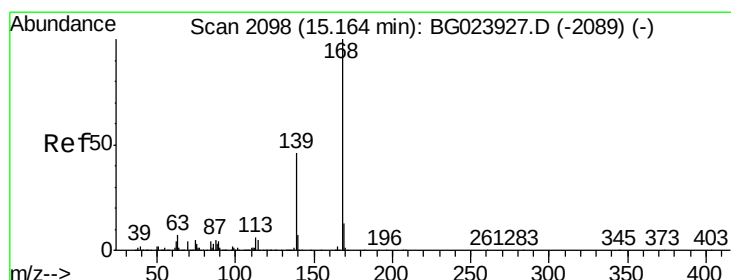
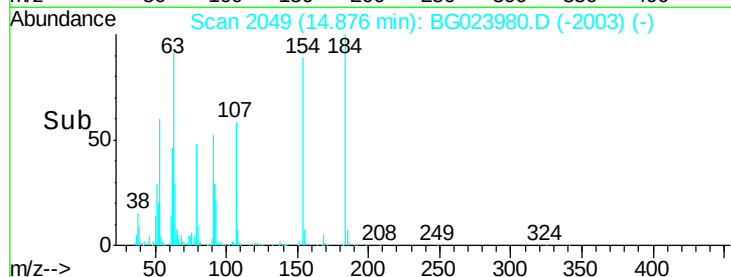
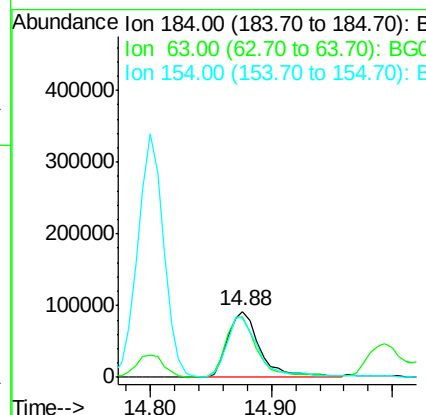
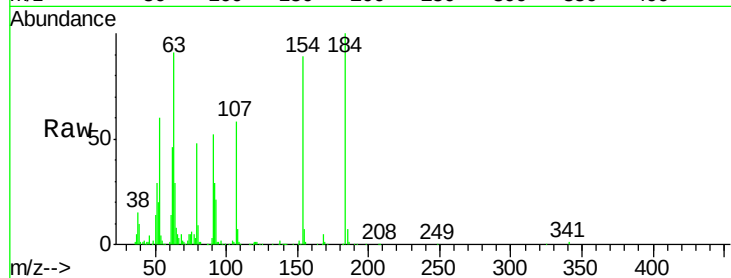




#53
2,4-Dinitrophenol
Concen: 70.06 ng
RT: 14.88 min Scan# 2049
Delta R.T. -0.03 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

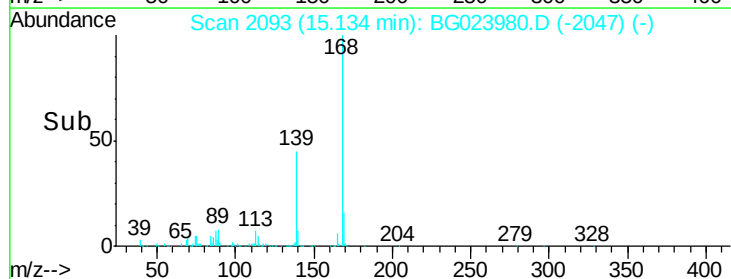
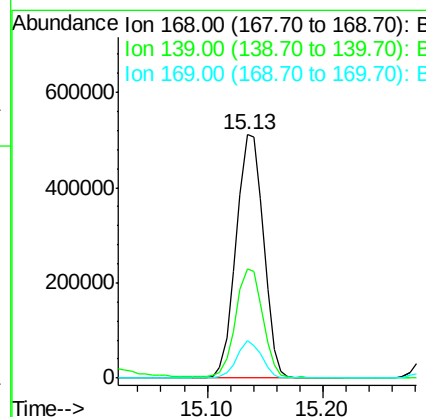
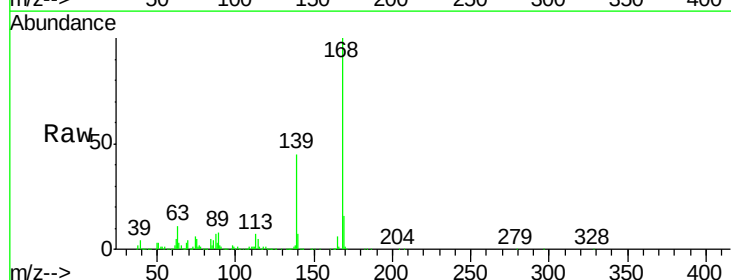
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMSD

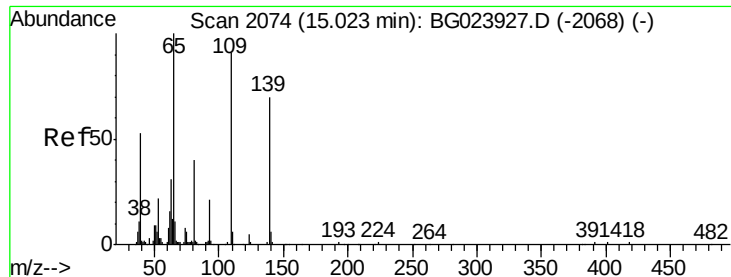
Tgt Ion:184 Resp: 172775
Ion Ratio Lower Upper
184 100
63 91.2 59.6 89.4#
154 89.1 67.4 101.0



#54
Dibenzofuran
Concen: 46.84 ng
RT: 15.13 min Scan# 2093
Delta R.T. -0.03 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Tgt Ion:168 Resp: 839608
Ion Ratio Lower Upper
168 100
139 44.7 36.4 54.6
169 15.6 11.9 17.9

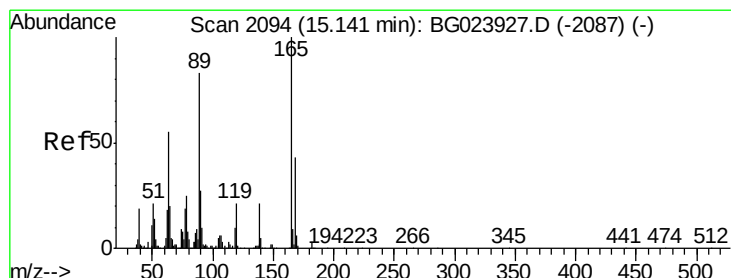
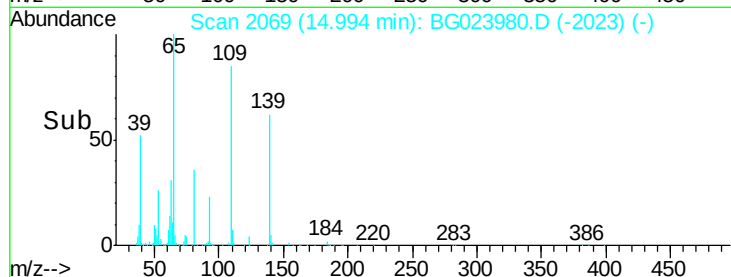
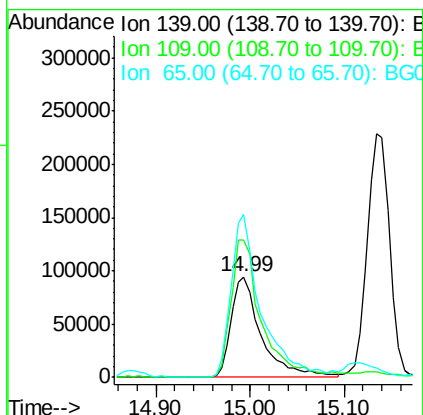
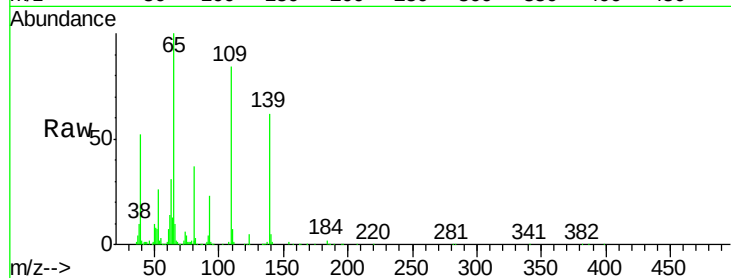




#55
4-Nitrophenol
Concen: 82.46 ng
RT: 14.99 min Scan# 2069
Delta R.T. -0.03 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

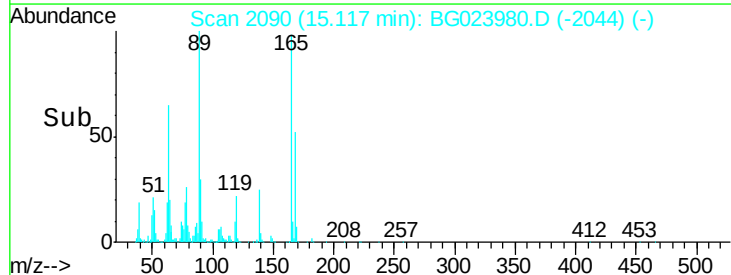
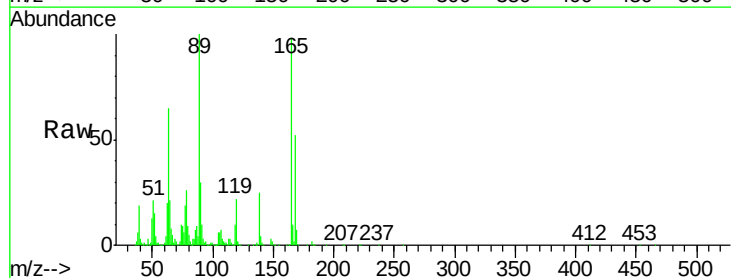
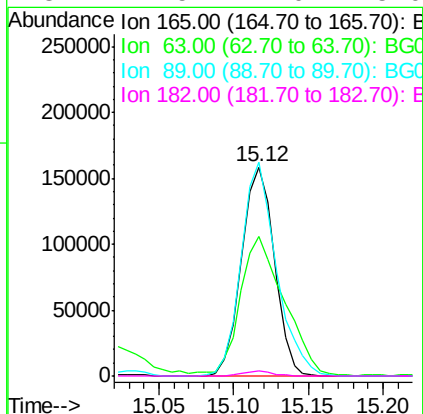
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMSD

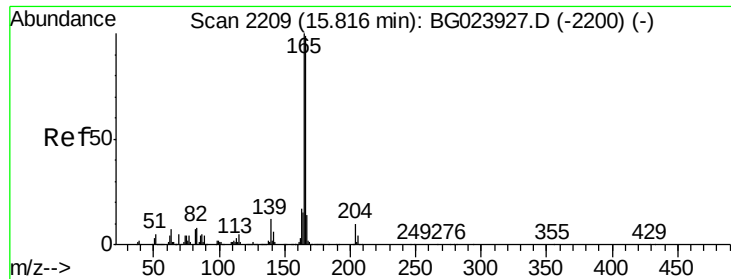
Tgt Ion:139 Resp: 209622
Ion Ratio Lower Upper
139 100
109 136.5 103.0 143.0
65 162.3 112.7 152.7#



#56
2,4-Dinitrotoluene
Concen: 48.14 ng
RT: 15.12 min Scan# 2090
Delta R.T. -0.03 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Tgt Ion:165 Resp: 241731
Ion Ratio Lower Upper
165 100
63 66.5 45.8 68.6
89 102.1 68.6 102.8
182 2.5 2.0 3.0

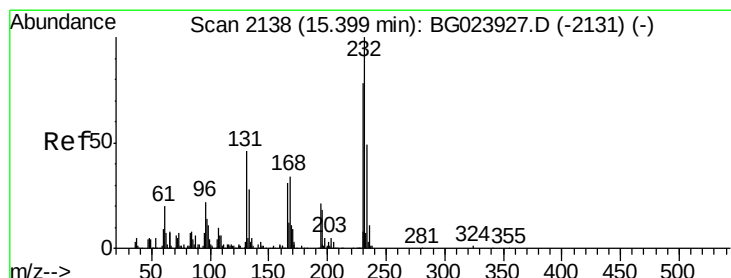
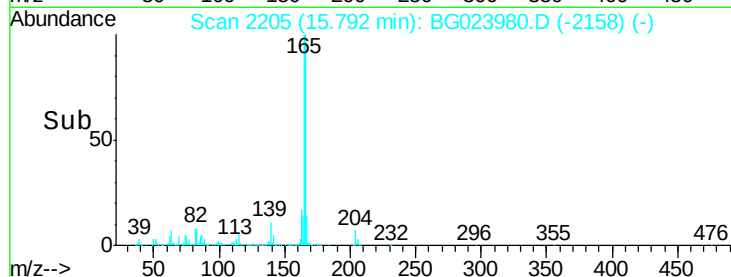
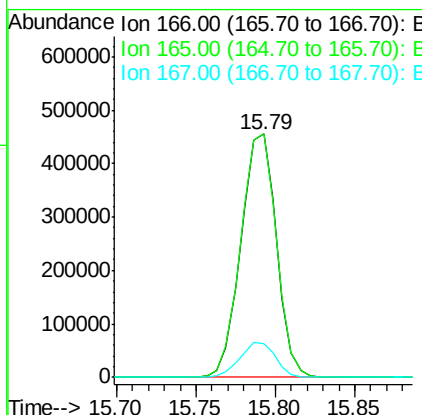
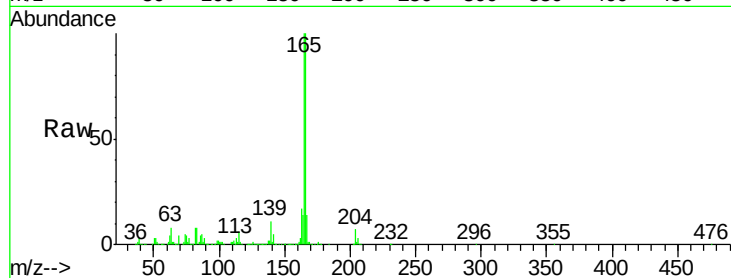




#57
 Fluorene
 Concen: 45.42 ng
 RT: 15.79 min Scan# 2205
 Delta R.T. -0.02 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

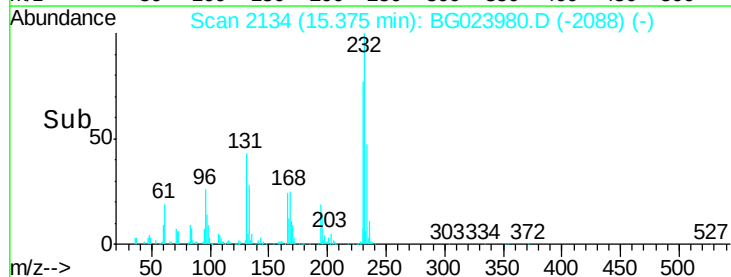
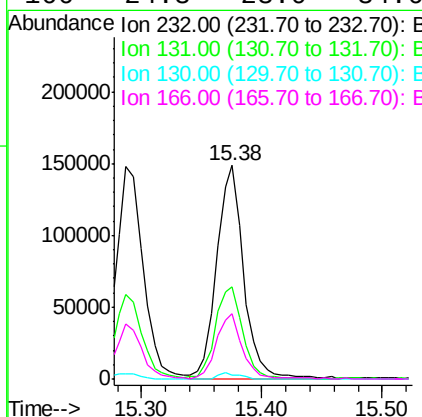
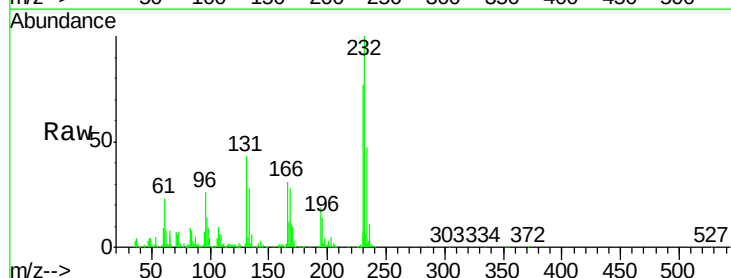
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMSD

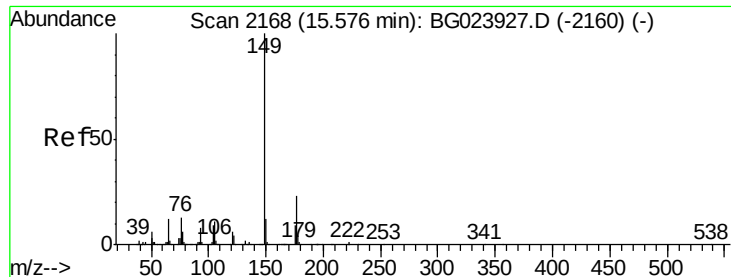
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.9	81.0	121.6
167	13.6	12.0	18.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 54.51 ng m
 RT: 15.38 min Scan# 2134
 Delta R.T. -0.03 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

Tgt Ion	Ratio	Lower	Upper
232	100		
131	39.0	32.7	49.1
130	2.6	2.6	3.8
166	24.3	23.0	34.6

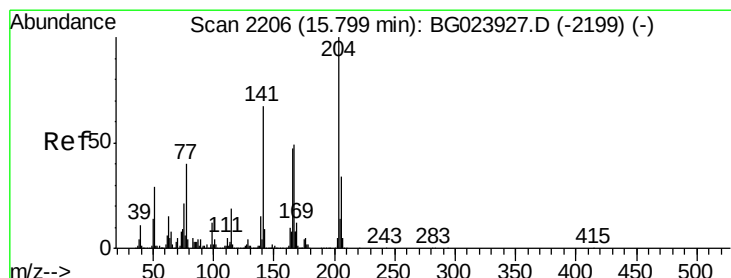
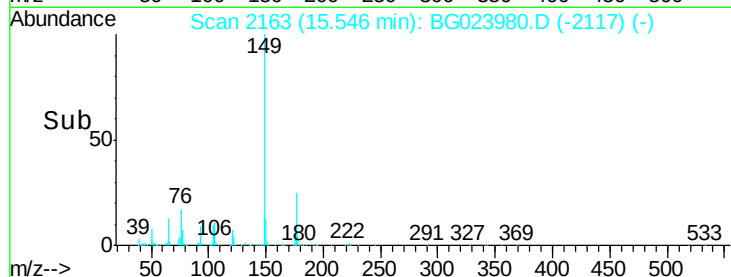
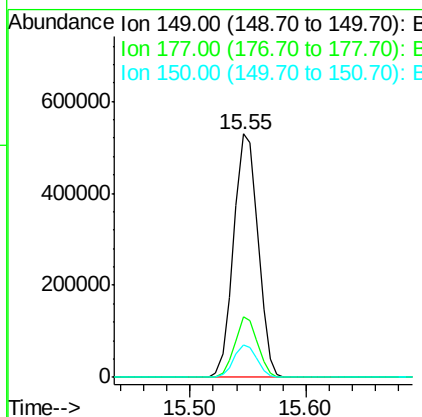
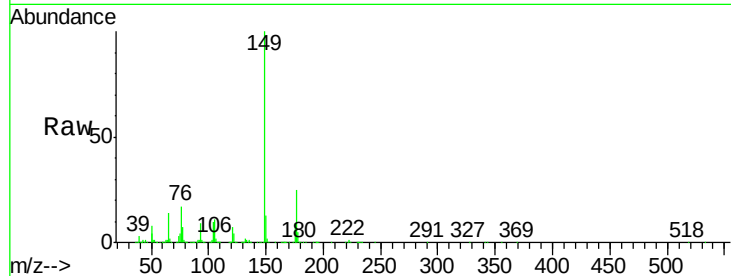




#59
Diethylphthalate
Concen: 44.85 ng
RT: 15.55 min Scan# 2163
Delta R.T. -0.03 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

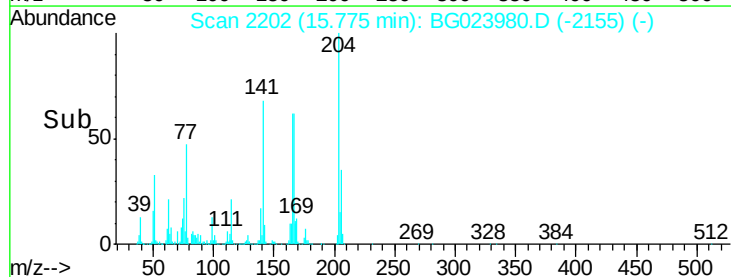
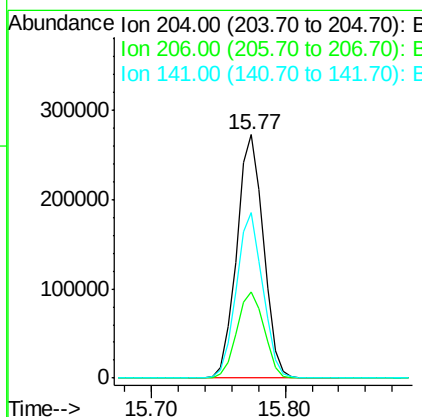
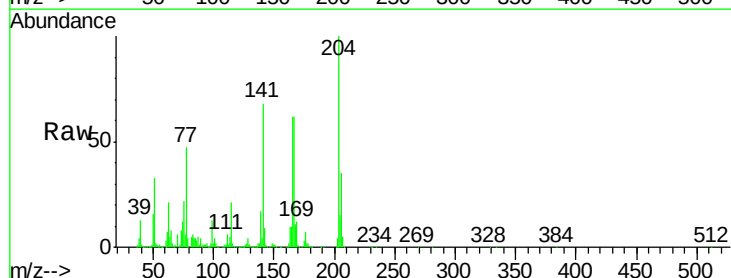
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMSD

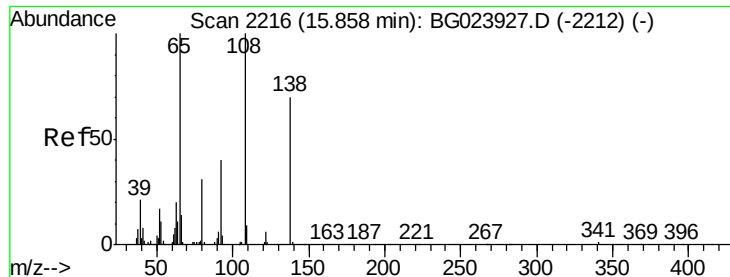
Tgt Ion:149 Resp: 774779
Ion Ratio Lower Upper
149 100
177 24.8 19.2 28.8
150 13.4 10.6 16.0



#60
4-Chlorophenyl-phenylether
Concen: 45.13 ng
RT: 15.77 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Tgt Ion:204 Resp: 377606
Ion Ratio Lower Upper
204 100
206 35.2 28.5 42.7
141 68.0 51.4 77.0

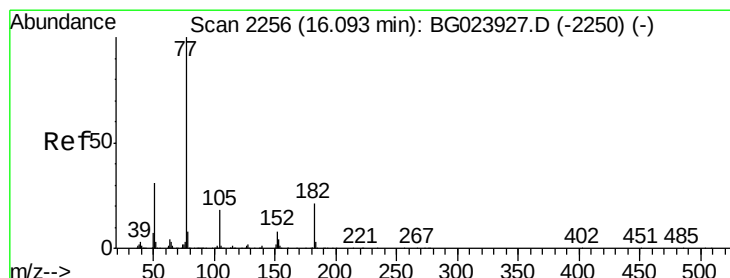
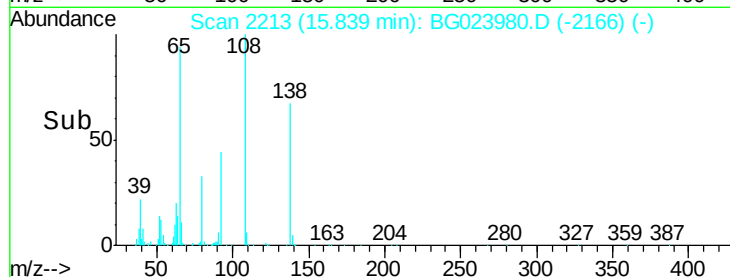
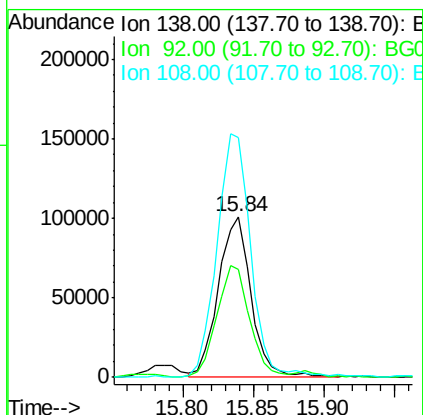
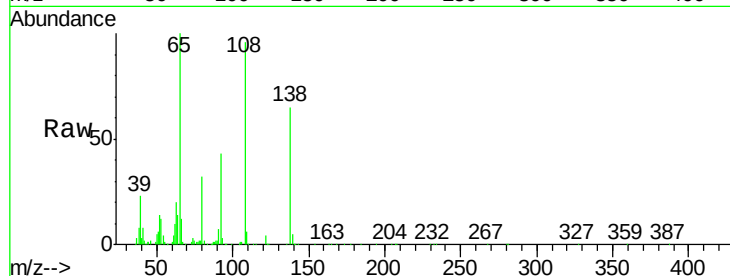




#61
4-Nitroaniline
Concen: 49.94 ng
RT: 15.84 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

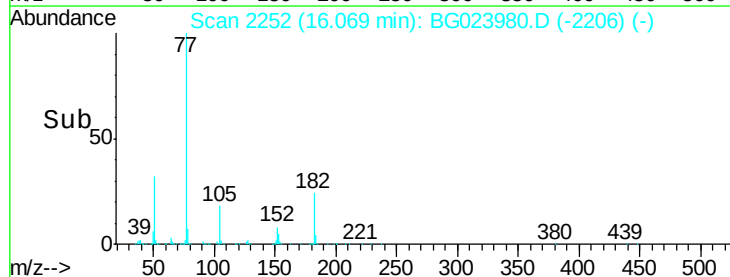
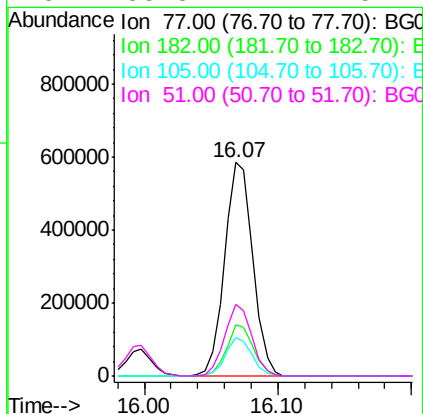
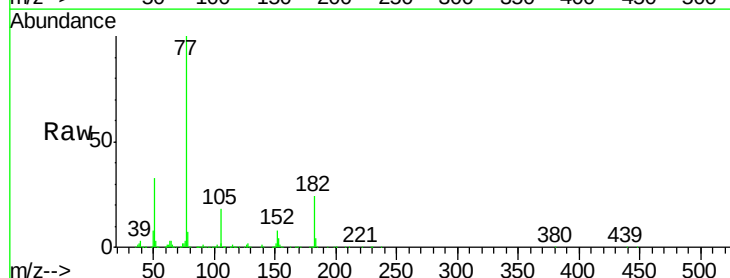
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMSD

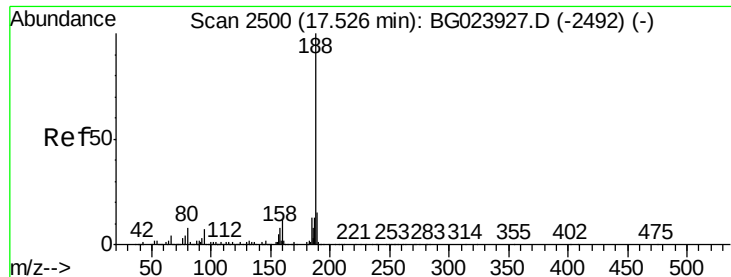
Tgt Ion: 138 Resp: 161322
Ion Ratio Lower Upper
138 100
92 66.8 54.1 94.1
108 149.0 133.9 173.9



#62
Azobenzene
Concen: 51.59 ng
RT: 16.07 min Scan# 2252
Delta R.T. -0.03 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Tgt Ion: 77 Resp: 863216
Ion Ratio Lower Upper
77 100
182 24.2 3.5 43.5
105 18.1 0.0 38.5
51 33.3 17.1 57.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.50 min Scan# 2496

Delta R.T. -0.02 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

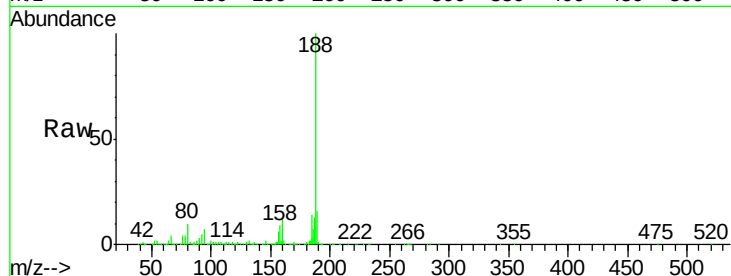
Tgt Ion:188 Resp: 531926

Ion Ratio Lower Upper

188 100

94 6.6 5.2 7.8

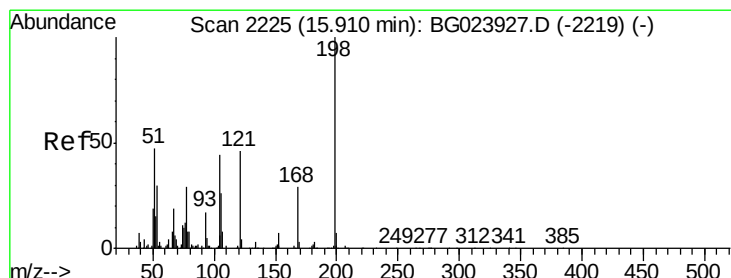
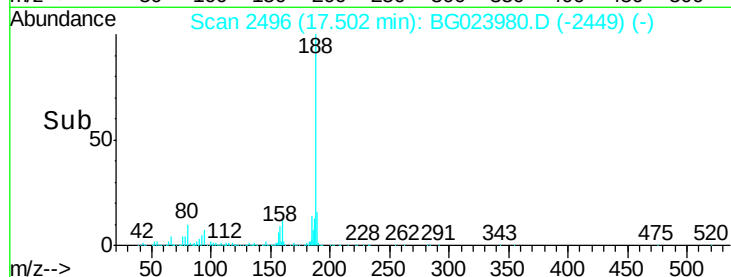
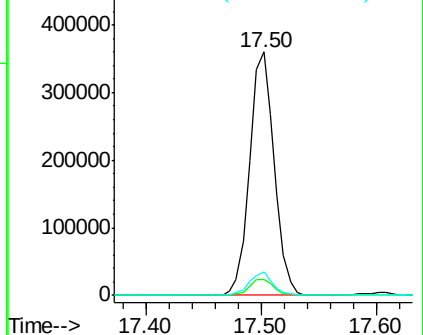
80 9.6 7.2 10.8



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: 40.45 ng

RT: 15.89 min Scan# 2221

Delta R.T. -0.03 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

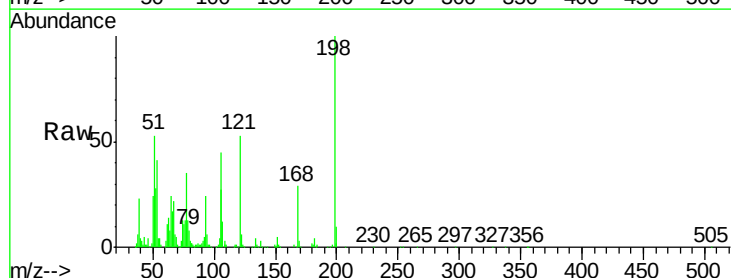
Tgt Ion:198 Resp: 149363

Ion Ratio Lower Upper

198 100

51 53.5 26.0 66.0

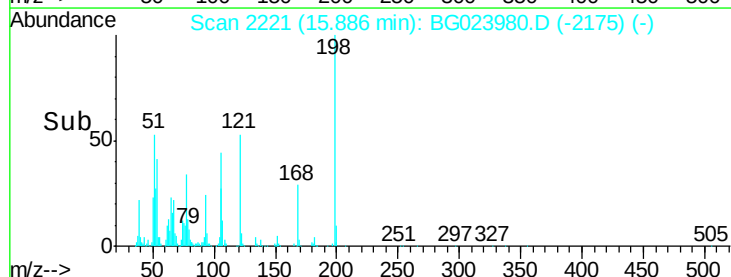
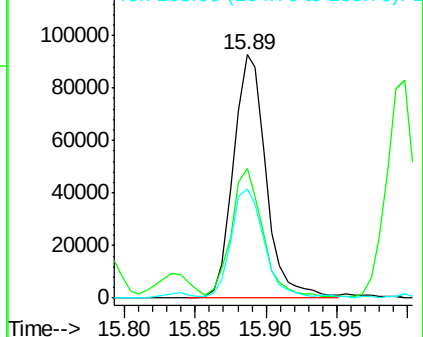
105 45.0 20.1 60.1

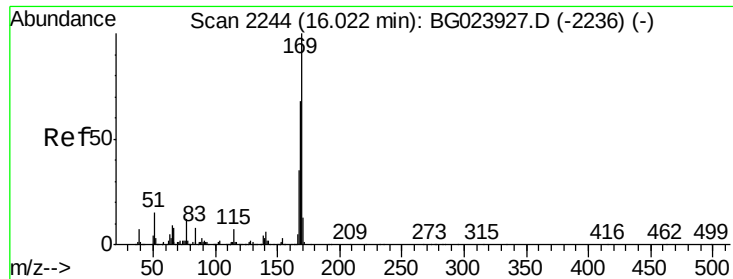


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 43.05 ng

RT: 16.00 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

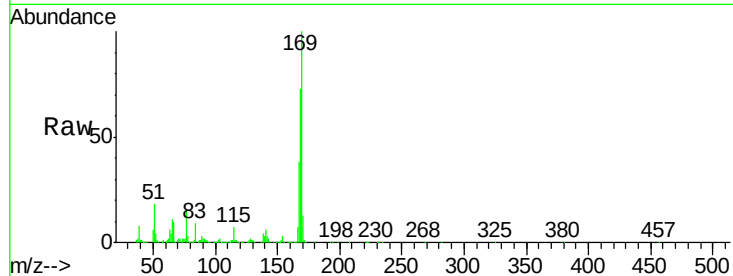
Tgt Ion:169 Resp: 650446

Ion Ratio Lower Upper

169 100

168 72.9 55.0 82.4

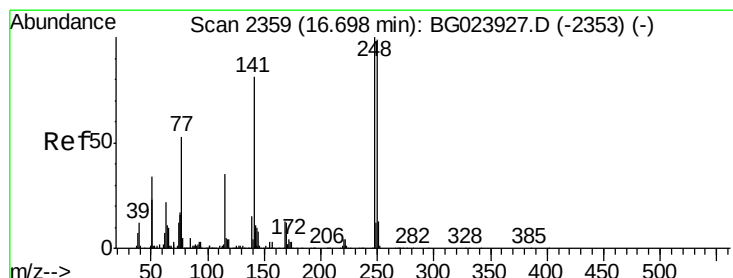
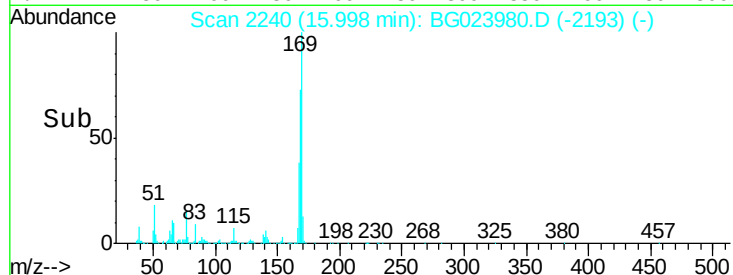
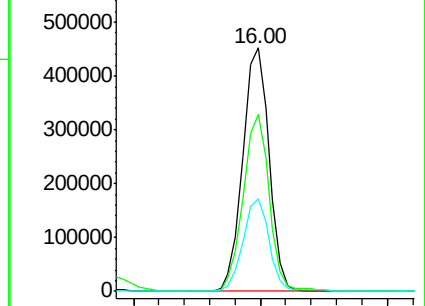
167 38.0 27.4 41.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 45.45 ng

RT: 16.67 min Scan# 2355

Delta R.T. -0.03 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

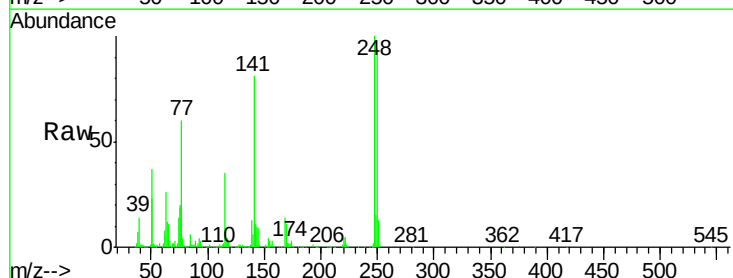
Tgt Ion:248 Resp: 294103

Ion Ratio Lower Upper

248 100

250 94.5 77.8 116.8

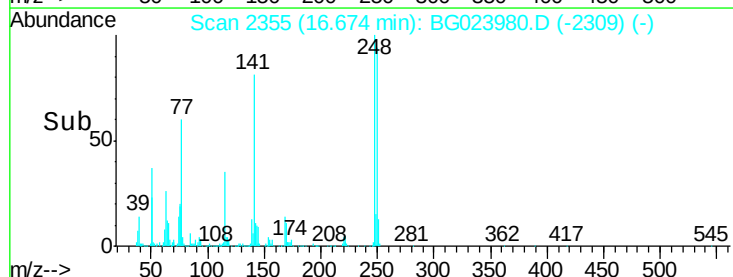
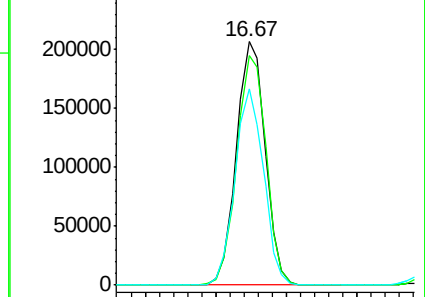
141 80.5 65.7 98.5

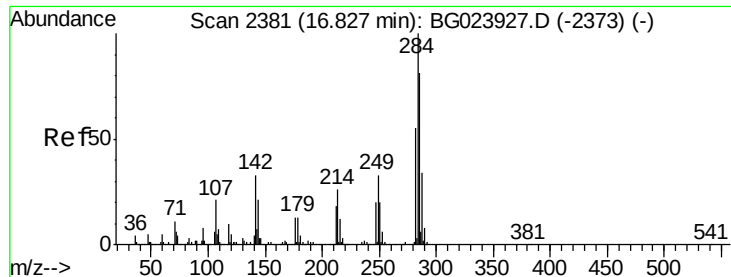


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 40.74 ng

RT: 16.80 min Scan# 2376

Delta R.T. -0.03 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

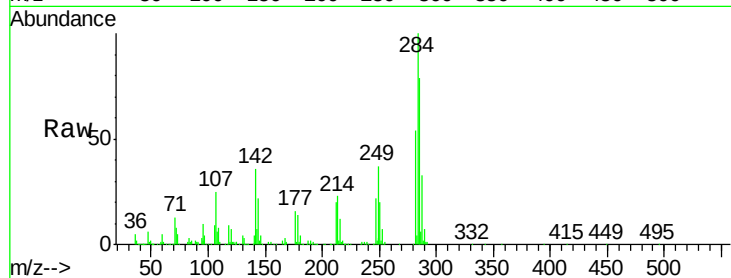
Tgt Ion:284 Resp: 309253

Ion Ratio Lower Upper

284 100

142 35.9 26.8 40.2

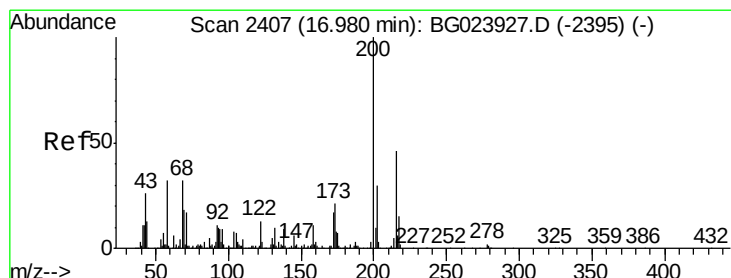
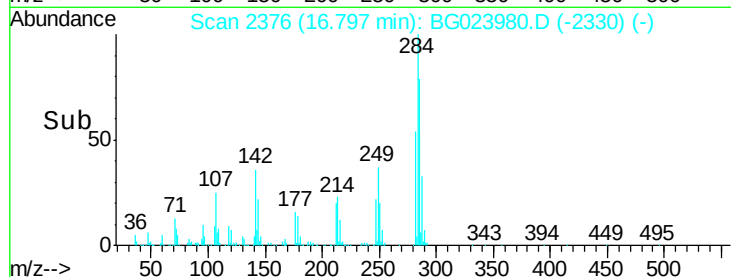
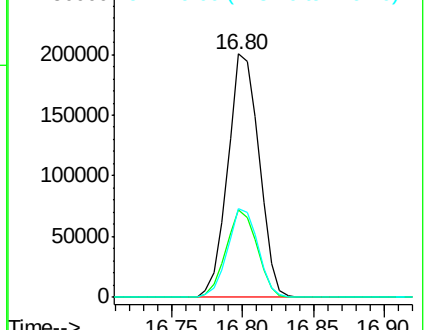
249 36.6 28.9 43.3



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: 46.37 ng

RT: 16.95 min Scan# 2402

Delta R.T. -0.03 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

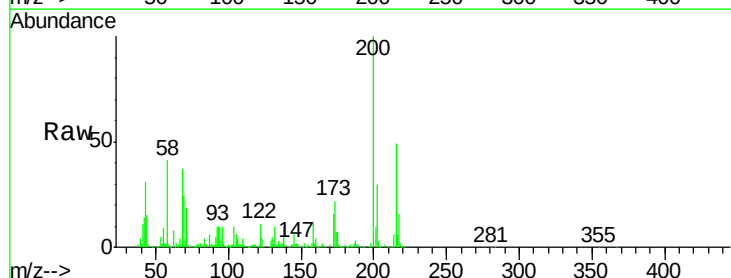
Tgt Ion:200 Resp: 301419

Ion Ratio Lower Upper

200 100

173 22.4 1.6 41.6

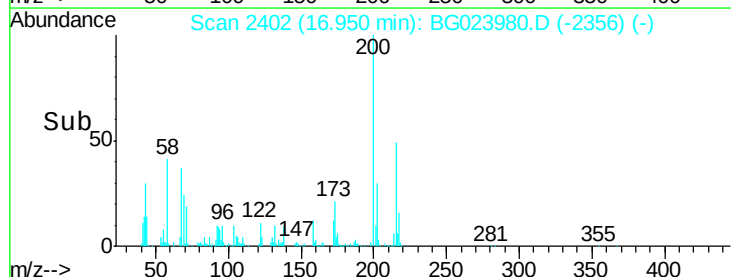
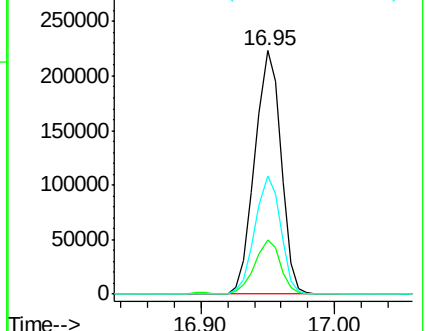
215 48.7 28.7 68.7

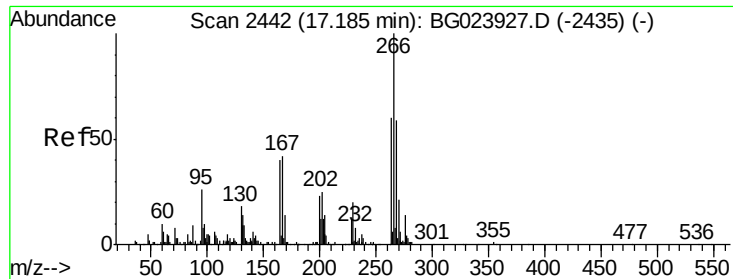


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 84.59 ng

RT: 17.16 min Scan# 2437

Delta R.T. -0.03 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

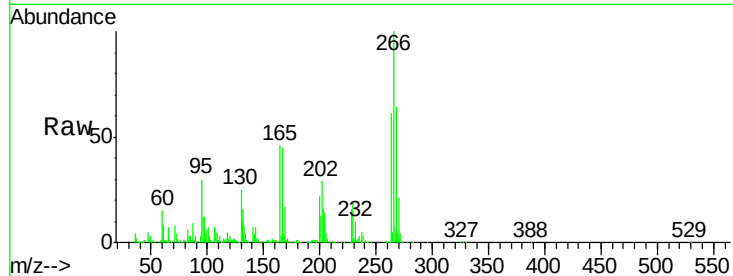
Tgt Ion:266 Resp: 341006

Ion Ratio Lower Upper

266 100

268 63.5 51.9 77.9

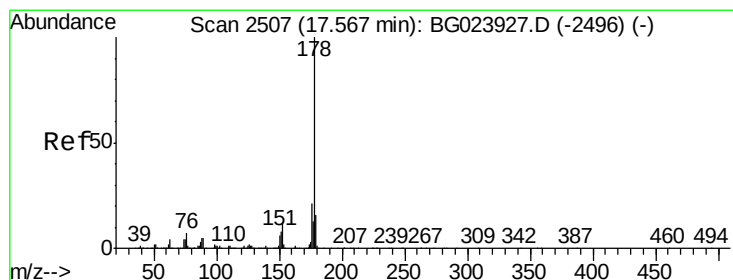
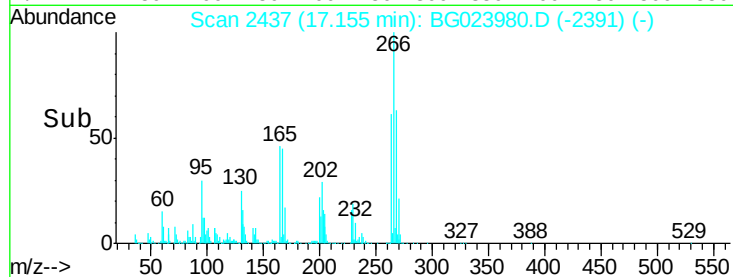
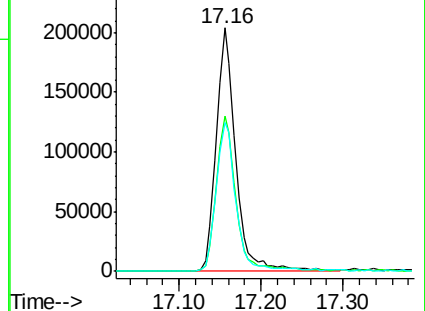
264 61.1 50.6 75.8



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: 45.74 ng

RT: 17.54 min Scan# 2503

Delta R.T. -0.03 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

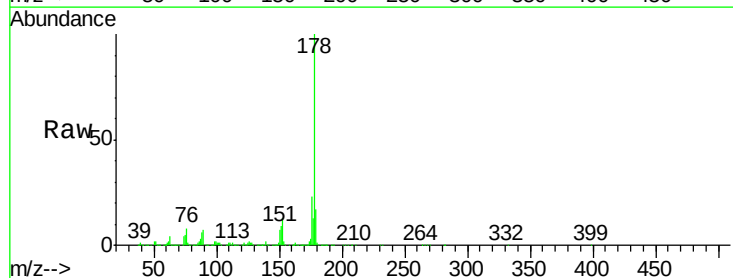
Tgt Ion:178 Resp: 1265658

Ion Ratio Lower Upper

178 100

176 22.7 16.8 25.2

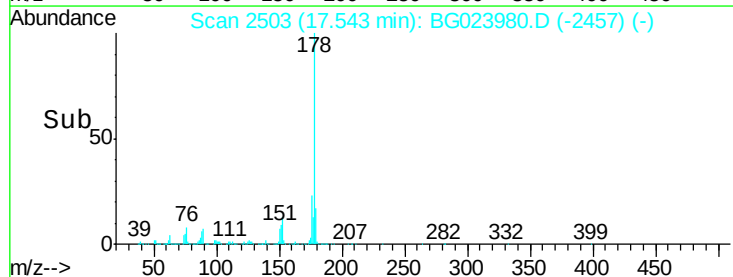
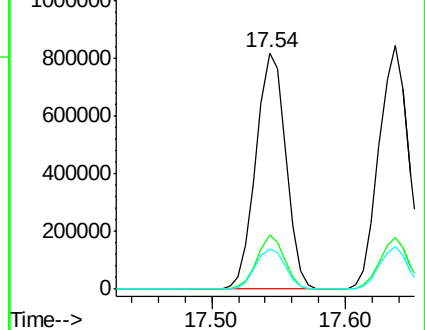
179 16.9 14.3 21.5

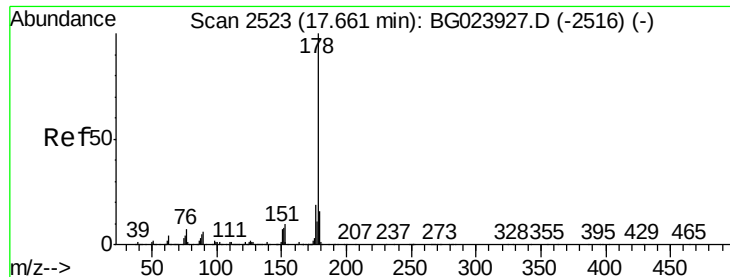


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

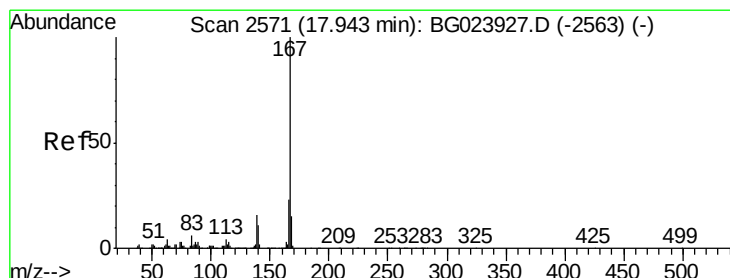
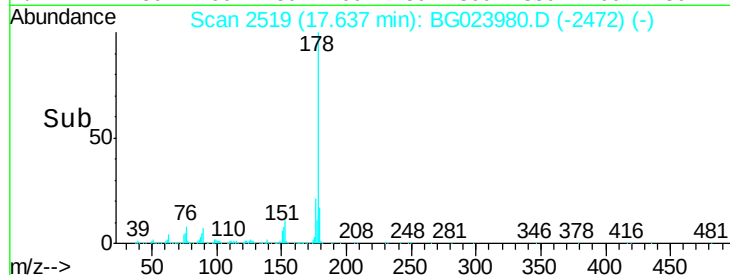
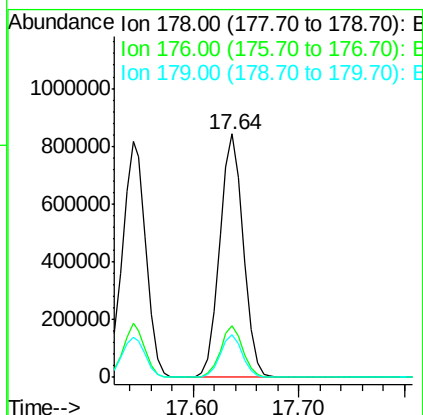
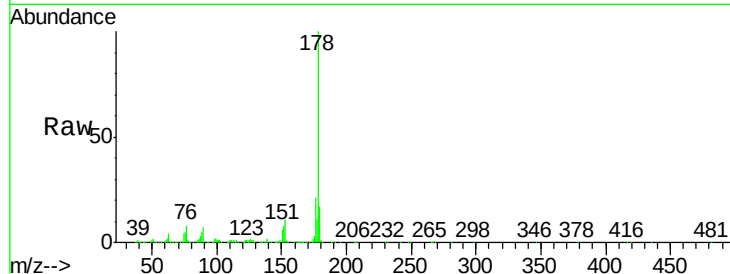




#71
 Anthracene
 Concen: 46.07 ng
 RT: 17.64 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

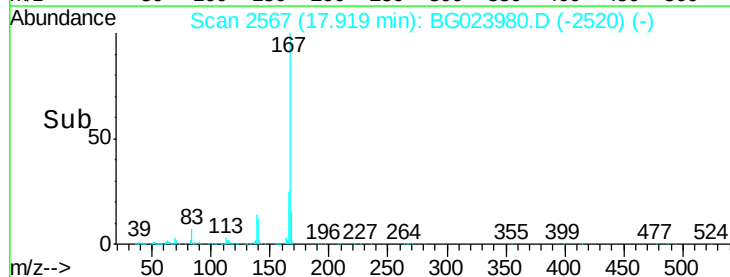
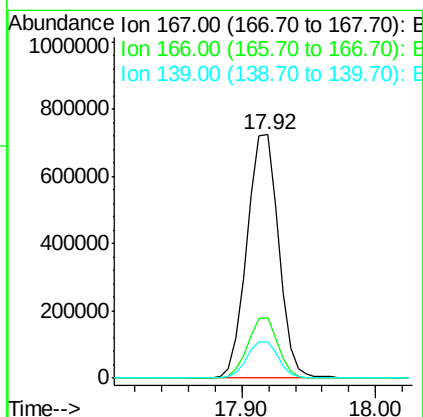
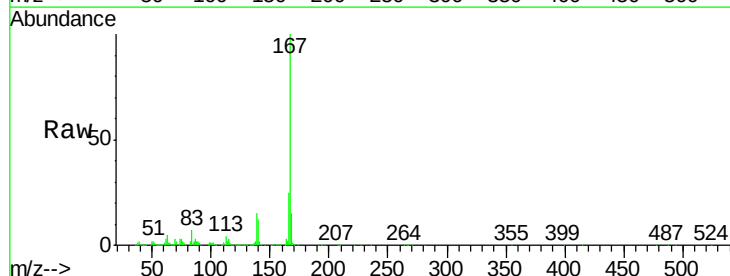
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMSD

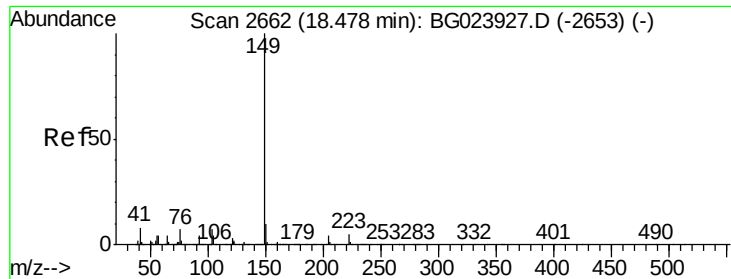
Tgt Ion:178 Resp: 1300310
 Ion Ratio Lower Upper
 178 100
 176 21.0 17.3 25.9
 179 17.4 14.0 21.0



#72
 Carbazole
 Concen: 46.05 ng
 RT: 17.92 min Scan# 2567
 Delta R.T. -0.02 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

Tgt Ion:167 Resp: 1179601
 Ion Ratio Lower Upper
 167 100
 166 24.8 20.7 31.1
 139 15.0 11.9 17.9

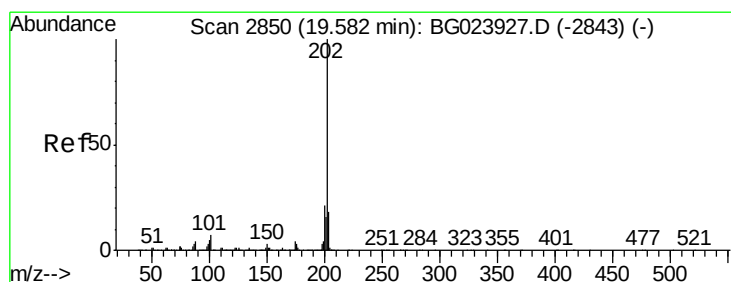
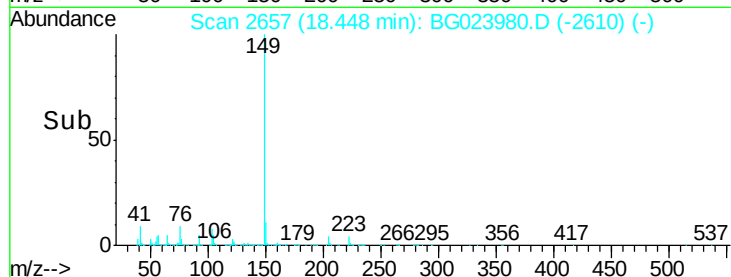
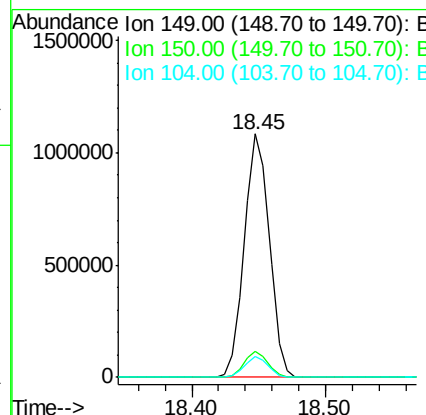
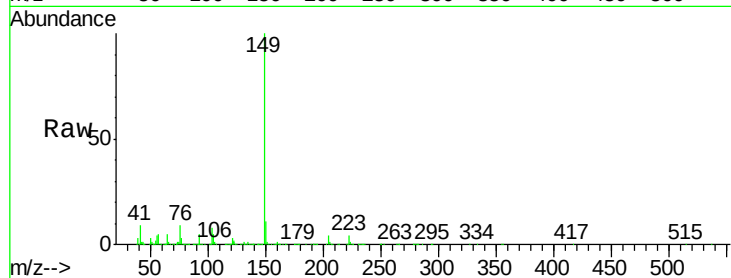




#73
Di-n-butylphthalate
Concen: 45.81 ng
RT: 18.45 min Scan# 2657
Delta R.T. -0.02 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

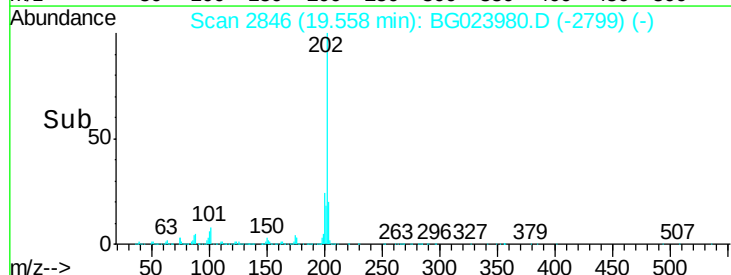
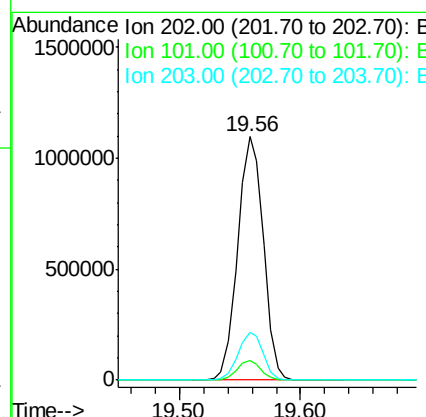
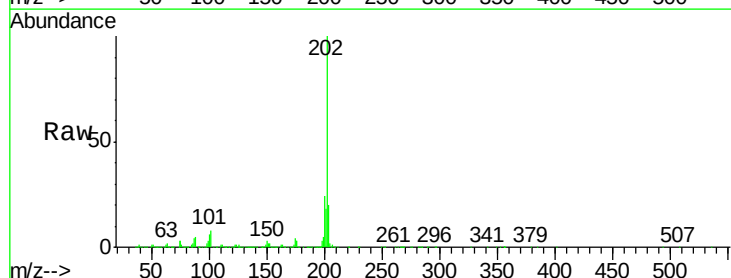
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMSD

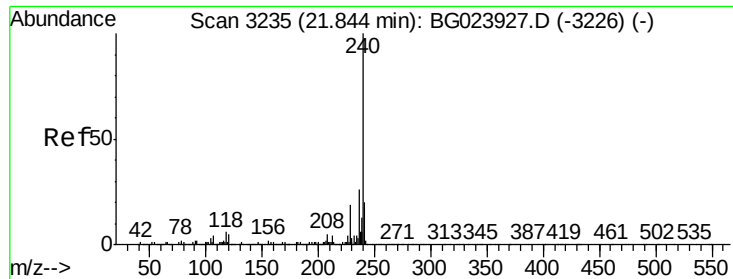
Tgt Ion:149 Resp: 1400066
Ion Ratio Lower Upper
149 100
150 10.7 9.1 13.7
104 8.4 6.9 10.3



#74
Fluoranthene
Concen: 48.59 ng
RT: 19.56 min Scan# 2846
Delta R.T. -0.02 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Tgt Ion:202 Resp: 1618751
Ion Ratio Lower Upper
202 100
101 8.3 0.0 27.4
203 19.7 1.7 41.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.81 min Scan# 3230

Delta R.T. -0.03 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

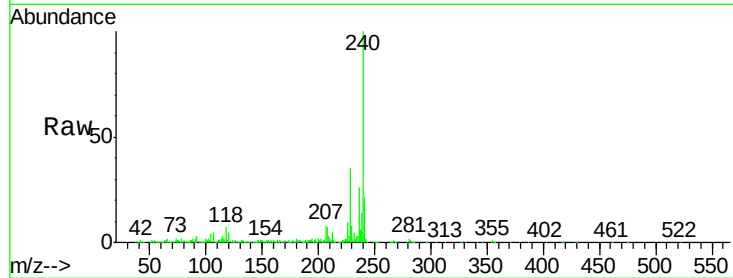
Tgt Ion:240 Resp: 505790

Ion Ratio Lower Upper

240 100

120 5.3 4.1 6.1

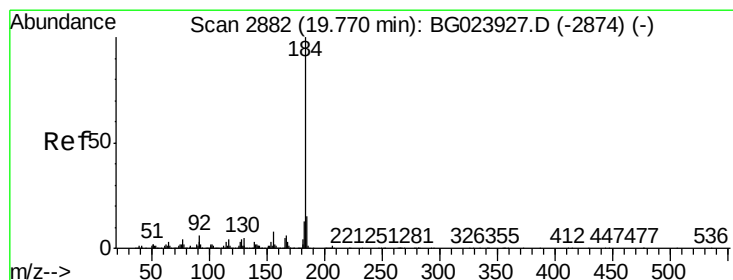
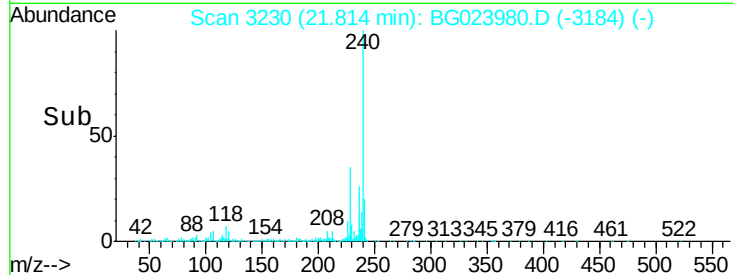
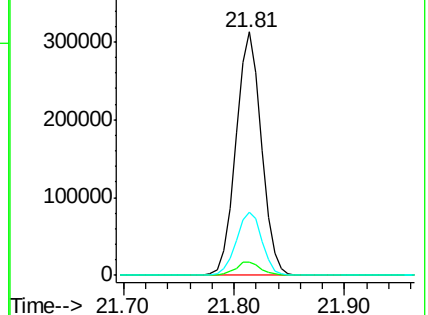
236 26.0 21.1 31.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 23.35 ng

RT: 19.75 min Scan# 2878

Delta R.T. -0.02 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

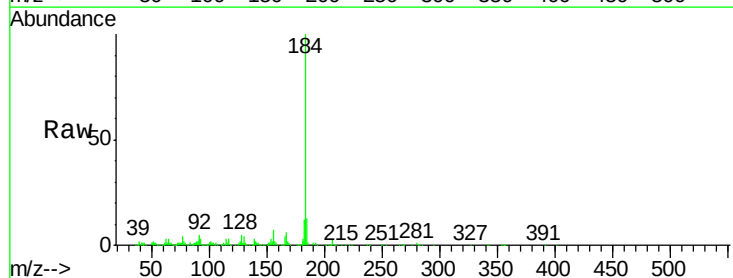
Tgt Ion:184 Resp: 365727

Ion Ratio Lower Upper

184 100

185 13.3 12.6 19.0

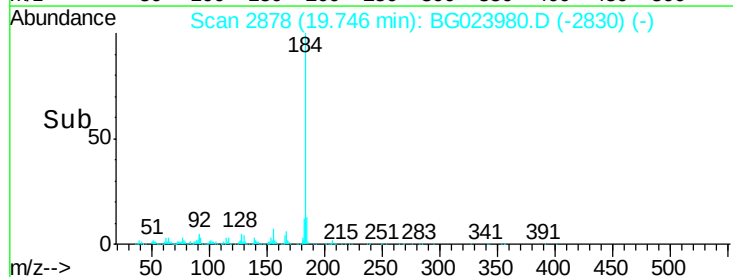
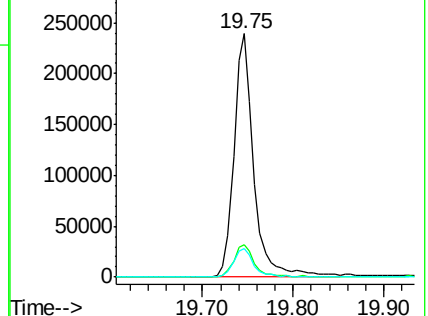
183 11.9 10.7 16.1

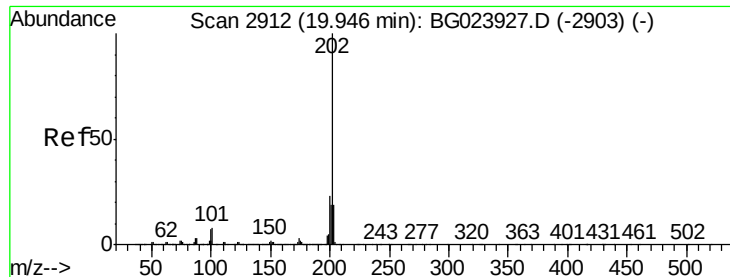


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 51.76 ng

RT: 19.92 min Scan# 2908

Delta R.T. -0.02 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

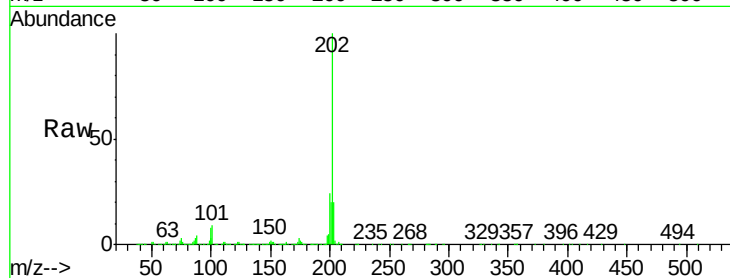
Tgt Ion:202 Resp: 1609961

Ion Ratio Lower Upper

202 100

200 24.1 21.2 31.8

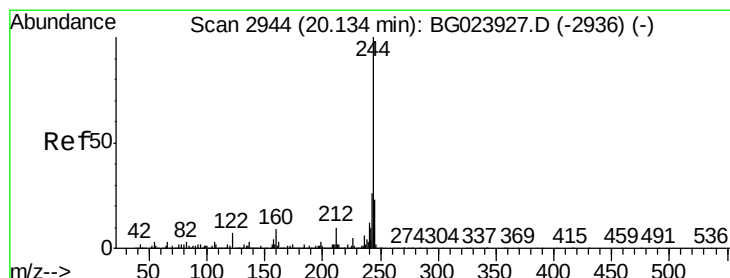
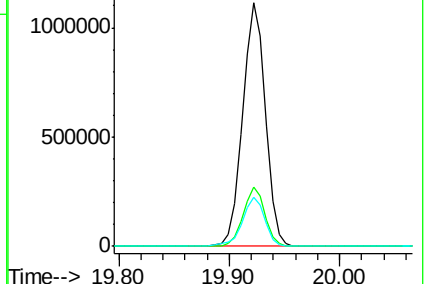
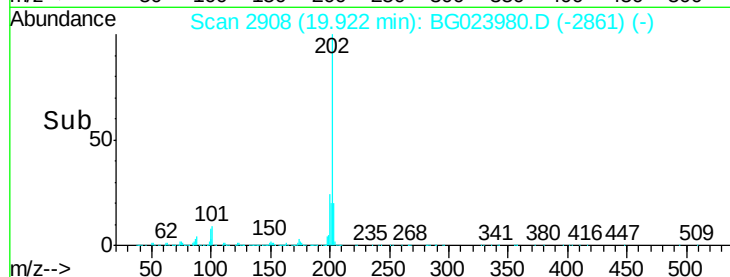
203 20.3 16.8 25.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 98.51 ng

RT: 20.11 min Scan# 2940

Delta R.T. -0.02 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

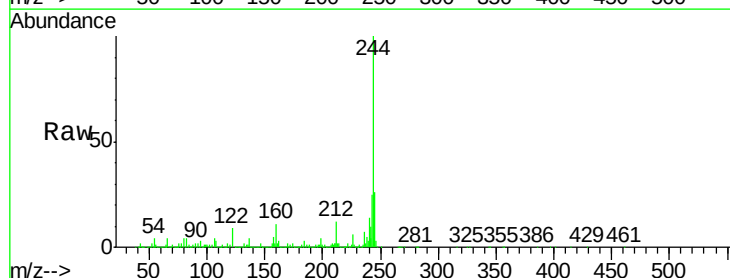
Tgt Ion:244 Resp: 2187860

Ion Ratio Lower Upper

244 100

212 11.9 10.8 16.2

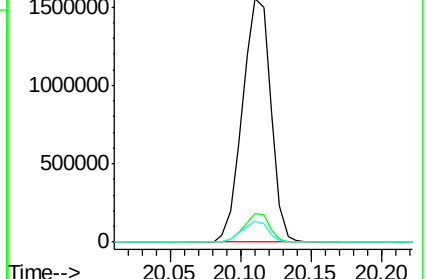
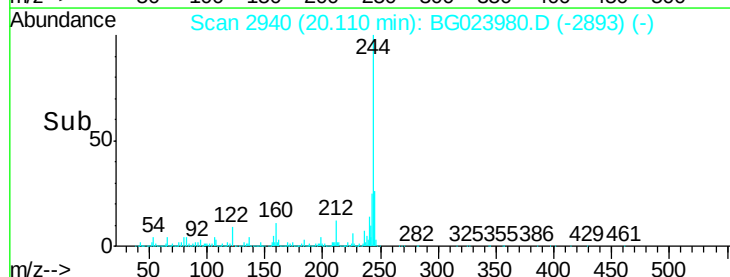
122 8.8 8.0 12.0

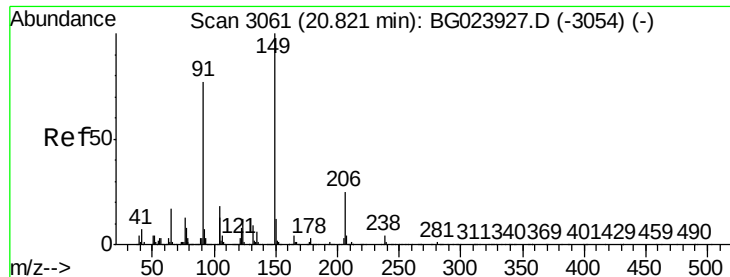


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 53.02 ng

RT: 20.79 min Scan# 3056

Delta R.T. -0.02 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

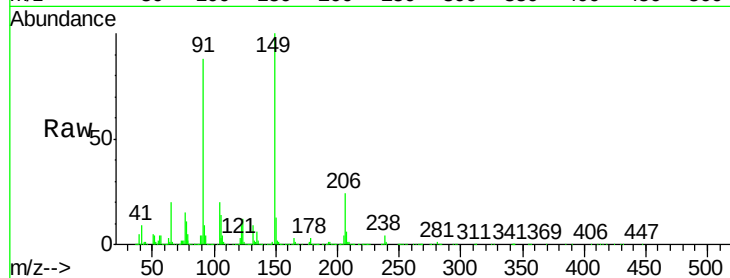
Tgt Ion:149 Resp: 635824

Ion Ratio Lower Upper

149 100

91 87.7 68.1 102.1

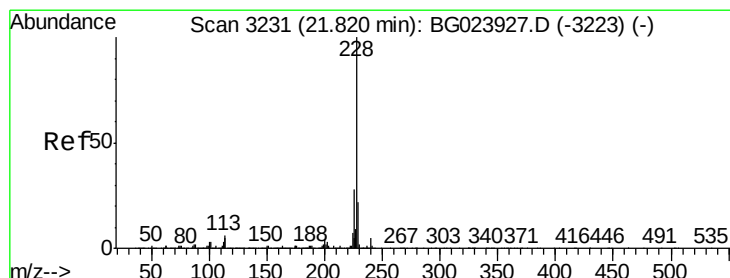
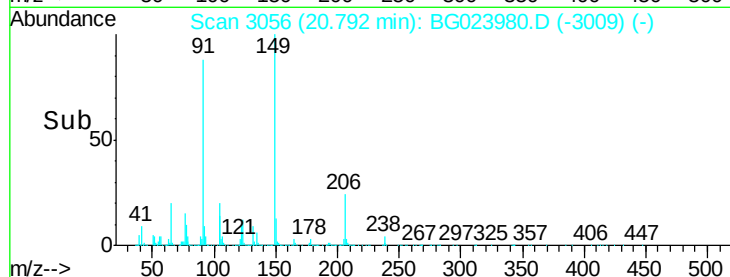
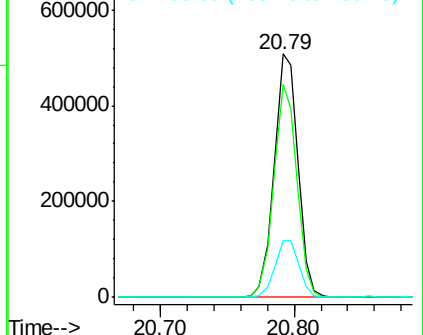
206 23.5 19.8 29.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG023980.D (-3009) (-)

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 47.55 ng

RT: 21.79 min Scan# 3226

Delta R.T. -0.03 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

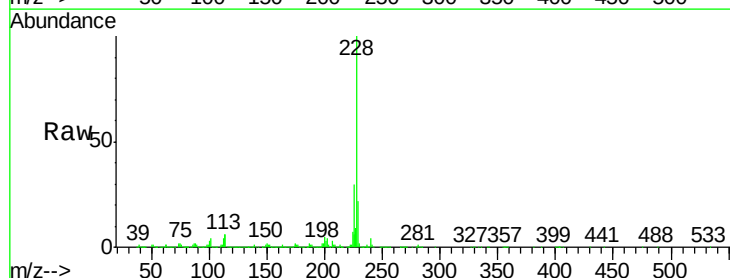
Tgt Ion:228 Resp: 1346442

Ion Ratio Lower Upper

228 100

226 30.4 25.3 37.9

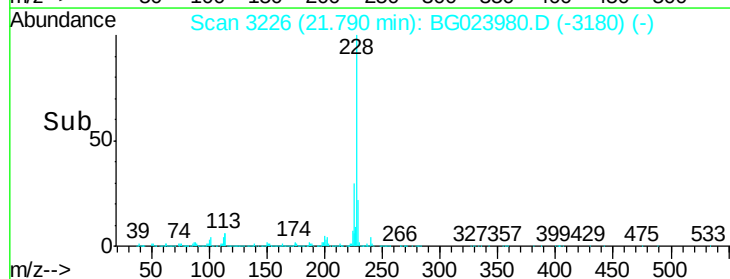
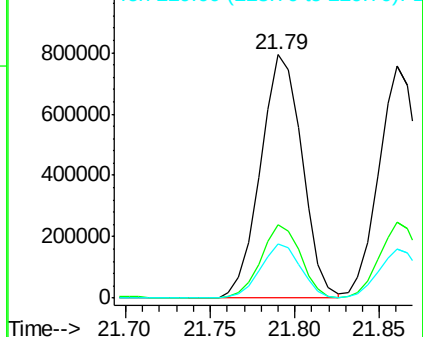
229 22.1 19.9 29.9

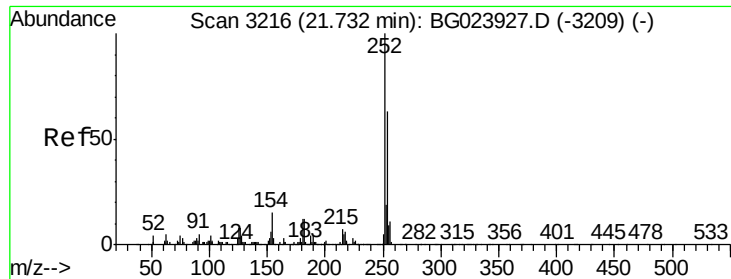


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

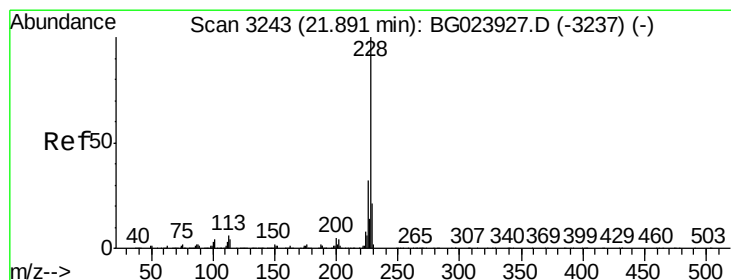
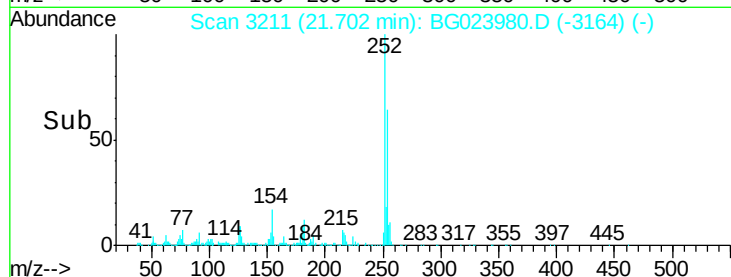
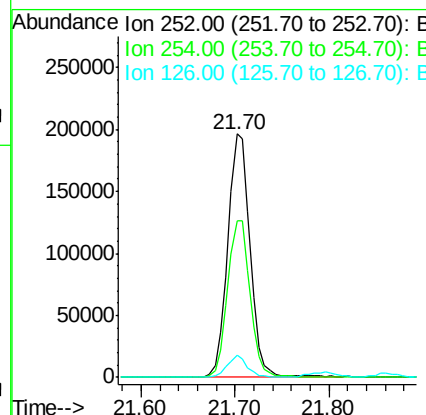
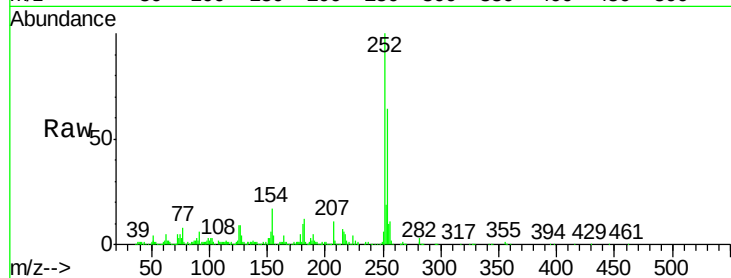




#81
 3,3'-Dichlorobenzidine
 Concen: 28.65 ng
 RT: 21.70 min Scan# 3211
 Delta R.T. -0.02 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

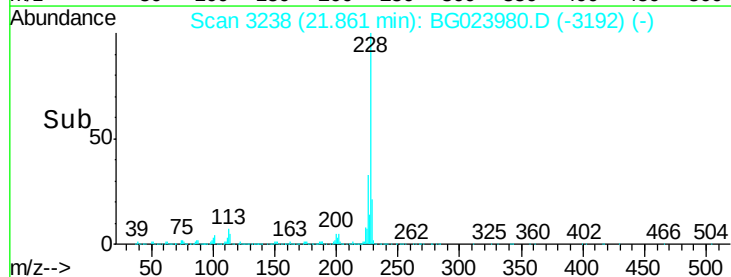
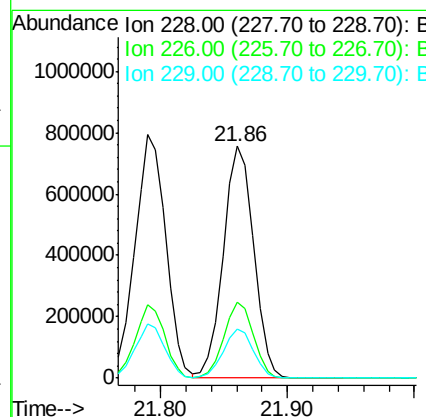
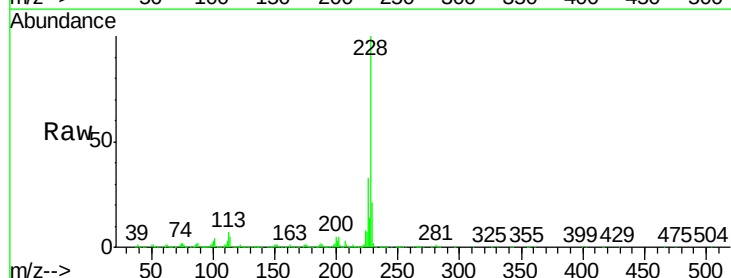
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMSD

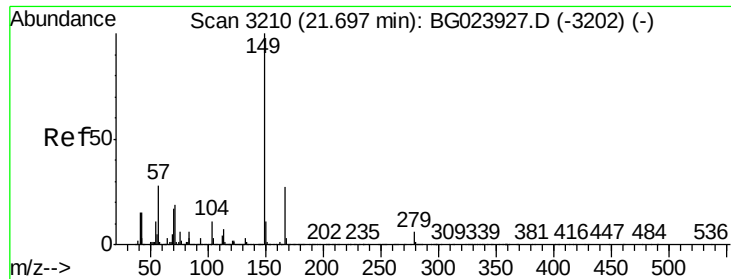
Tgt Ion: 252 Resp: 324213
 Ion Ratio Lower Upper
 252 100
 254 64.2 51.2 76.8
 126 8.9 5.3 7.9#



#82
 Chrysene
 Concen: 46.48 ng
 RT: 21.86 min Scan# 3238
 Delta R.T. -0.03 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

Tgt Ion: 228 Resp: 1252658
 Ion Ratio Lower Upper
 228 100
 226 32.8 26.7 40.1
 229 21.3 17.4 26.2

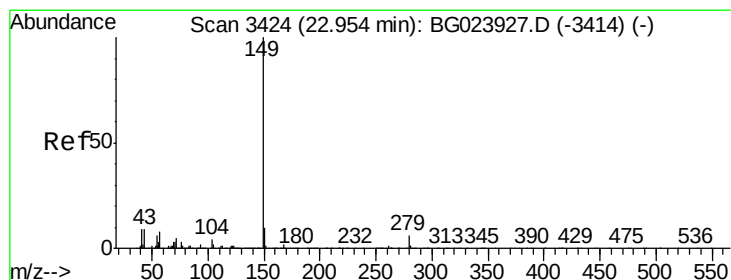
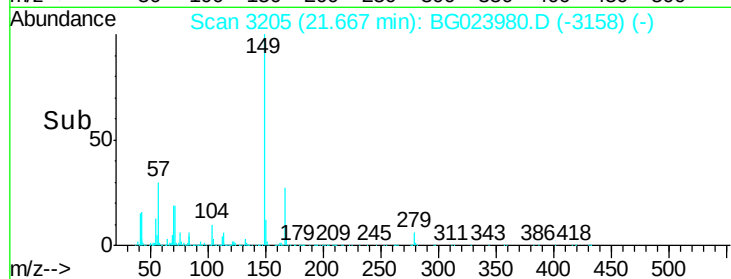
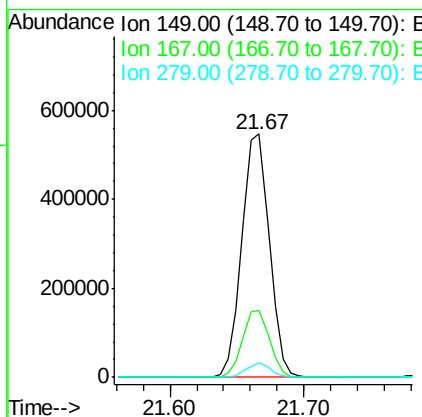
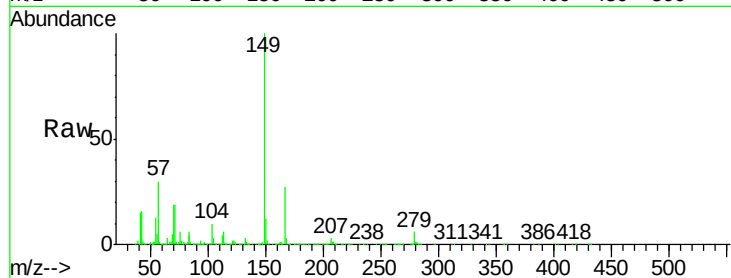




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 47.24 ng
 RT: 21.67 min Scan# 3205
 Delta R.T. -0.02 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

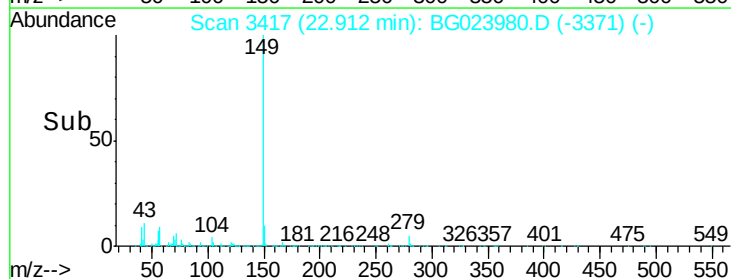
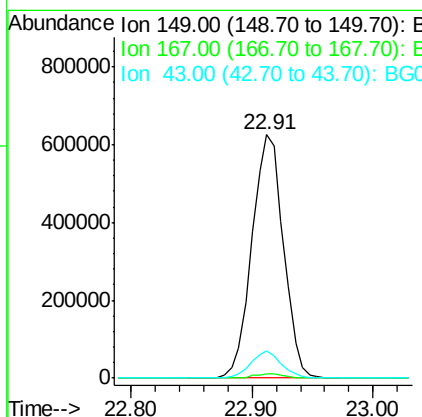
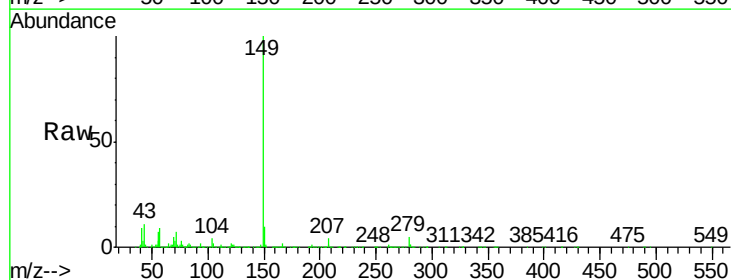
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMSD

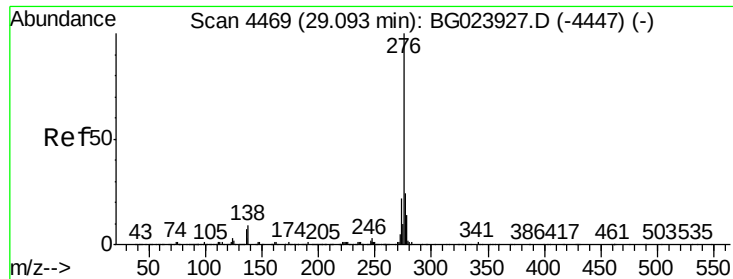
Tgt Ion:149 Resp: 775650
 Ion Ratio Lower Upper
 149 100
 167 27.4 24.0 36.0
 279 5.9 4.8 7.2



#84
 Di-n-octyl phthalate
 Concen: 41.92 ng
 RT: 22.91 min Scan# 3417
 Delta R.T. -0.03 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

Tgt Ion:149 Resp: 1128916
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.5 2.3
 43 10.6 8.8 13.2

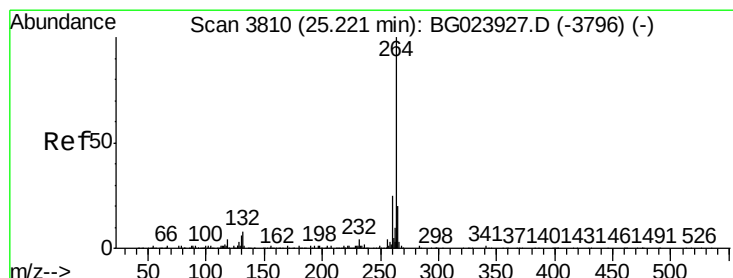
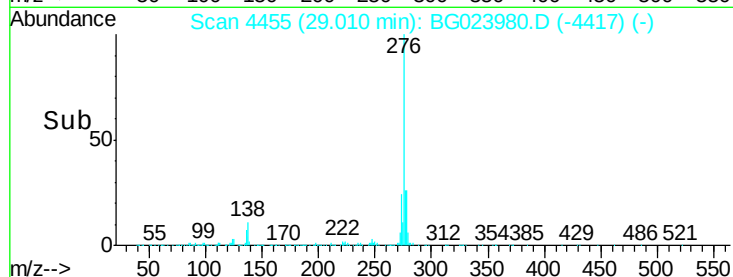
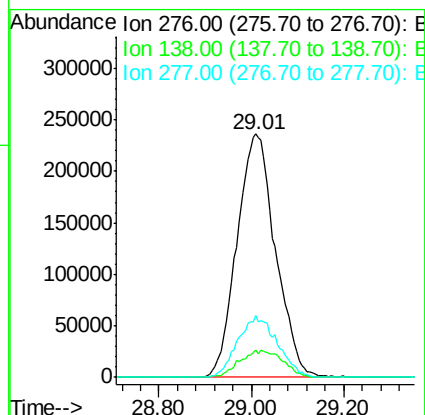
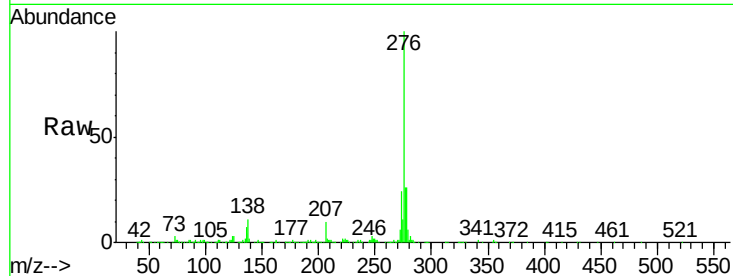




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 45.83 ng
 RT: 29.01 min Scan# 4455
 Delta R.T. -0.08 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

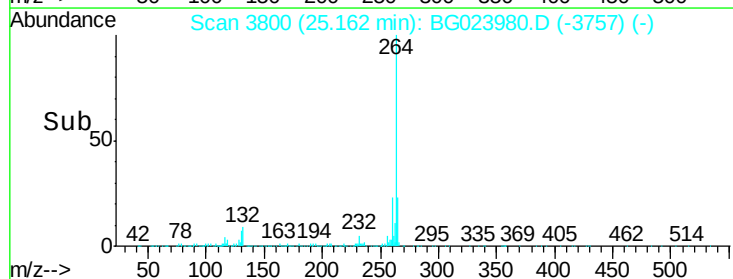
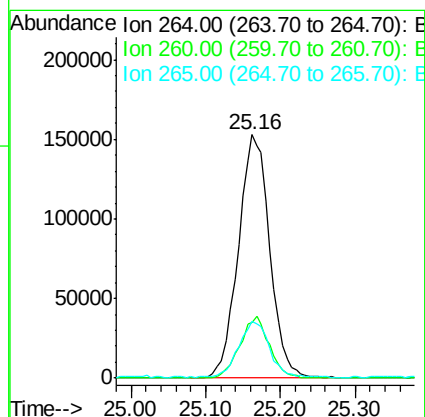
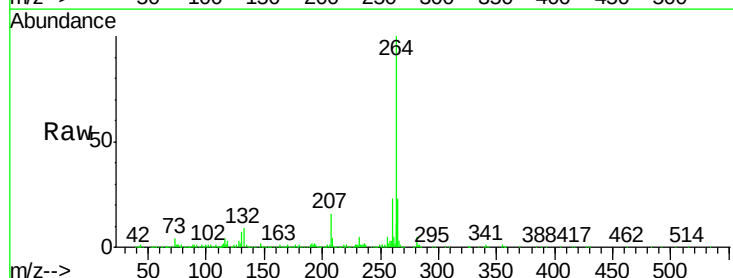
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMSD

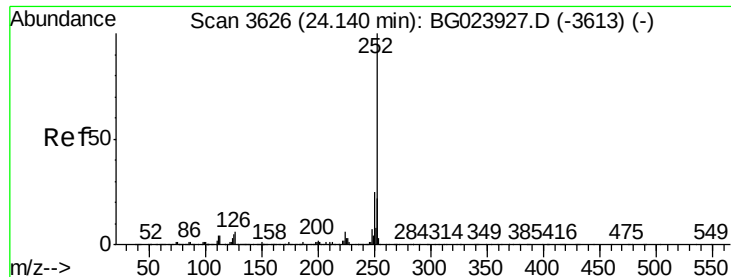
Tgt Ion:276 Resp: 1367524
 Ion Ratio Lower Upper
 276 100
 138 5.8 0.0 0.0#
 277 25.9 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.16 min Scan# 3800
 Delta R.T. -0.05 min
 Lab File: BG023980.D
 Acq: 9 Sep 2016 18:56

Tgt Ion:264 Resp: 445035
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.4 27.6
 265 23.3 18.9 28.3

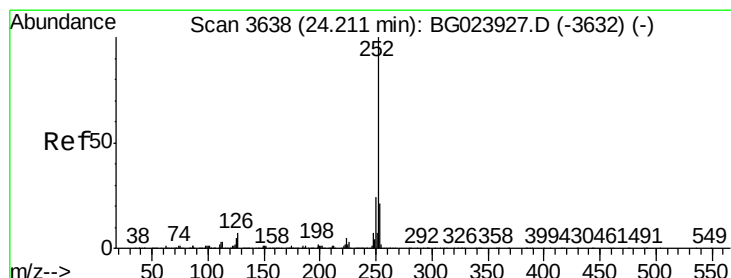
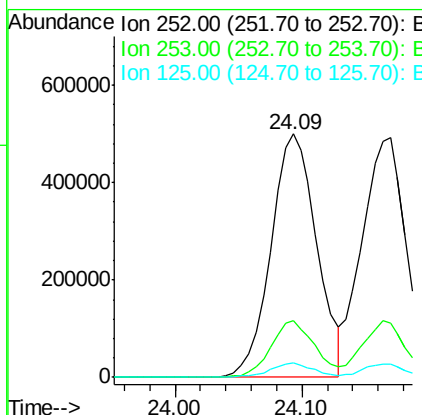
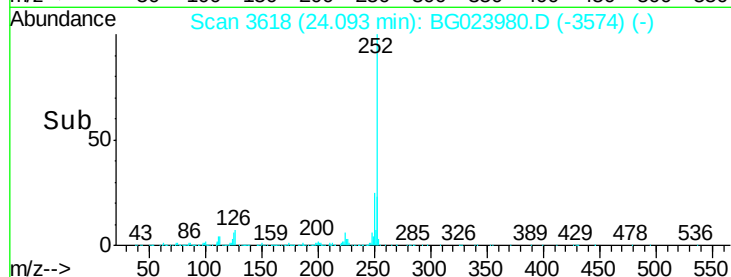
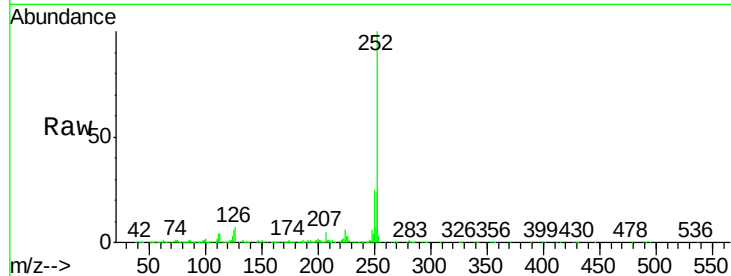




#87
Benzo(b)fluoranthene
Concen: 49.58 ng
RT: 24.09 min Scan# 3618
Delta R.T. -0.04 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

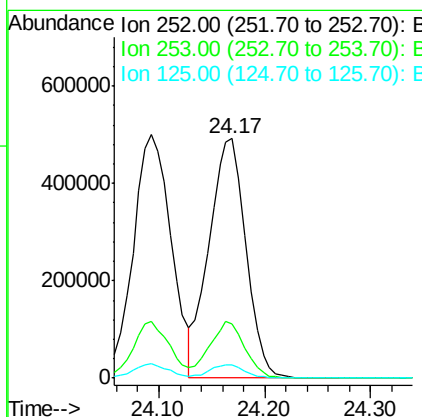
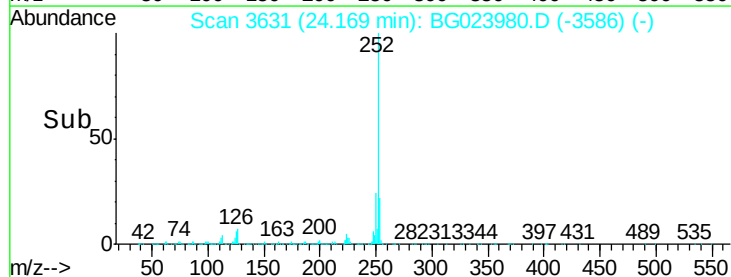
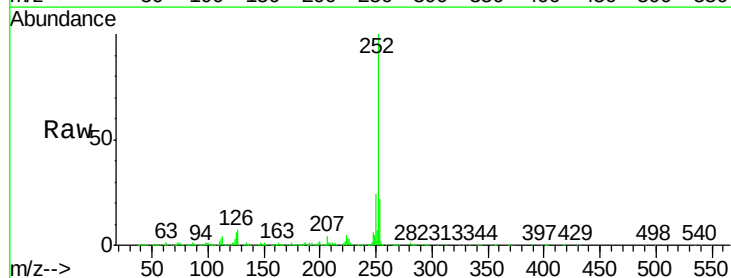
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMSD

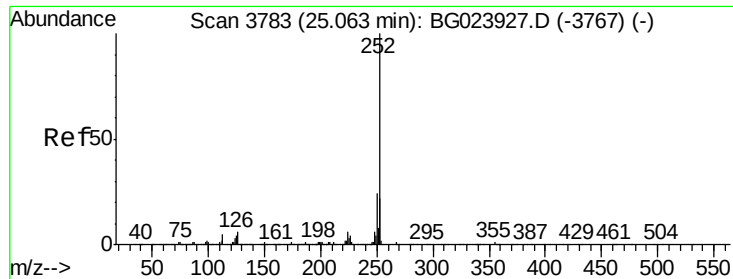
Tgt Ion:252 Resp: 1253417
Ion Ratio Lower Upper
252 100
253 23.6 18.9 28.3
125 5.7 3.9 5.9



#88
Benzo(k)fluoranthene
Concen: 47.56 ng
RT: 24.17 min Scan# 3631
Delta R.T. -0.04 min
Lab File: BG023980.D
Acq: 9 Sep 2016 18:56

Tgt Ion:252 Resp: 1192266
Ion Ratio Lower Upper
252 100
253 22.4 18.8 28.2
125 5.5 3.2 4.8#





#89

Benzo(a)pyrene

Concen: 48.95 ng

RT: 25.01 min Scan# 3774

Delta R.T. -0.04 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

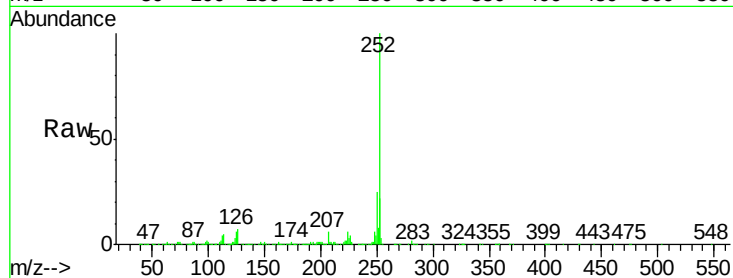
Tgt Ion:252 Resp: 1175185

Ion Ratio Lower Upper

252 100

253 22.1 18.7 28.1

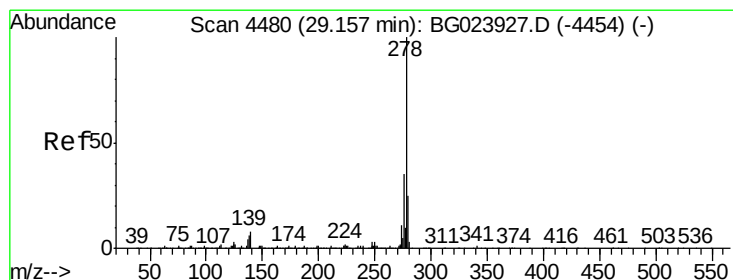
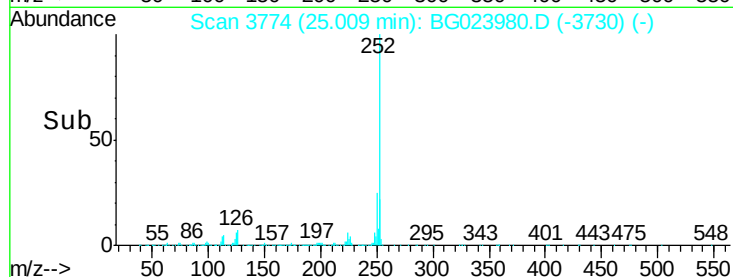
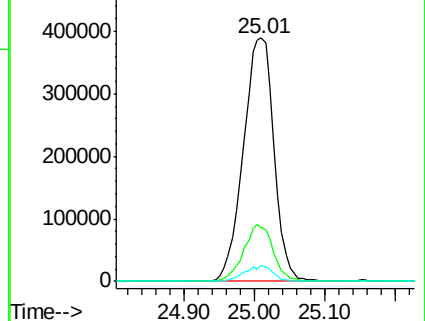
125 6.3 3.9 5.9#



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: 48.31 ng

RT: 29.06 min Scan# 4464

Delta R.T. -0.08 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

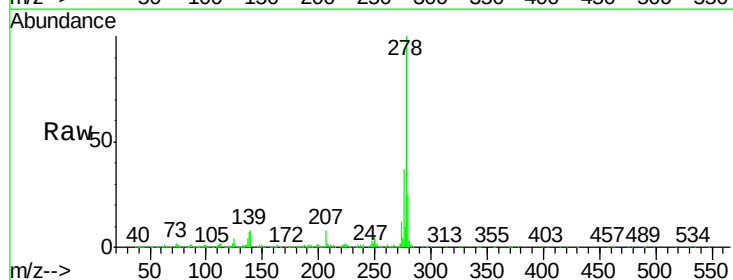
Tgt Ion:278 Resp: 1140488

Ion Ratio Lower Upper

278 100

139 8.5 4.7 7.1#

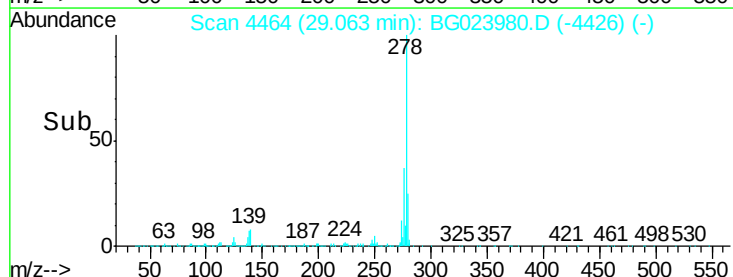
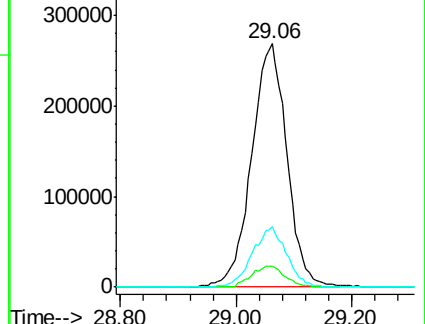
279 24.8 18.3 27.5

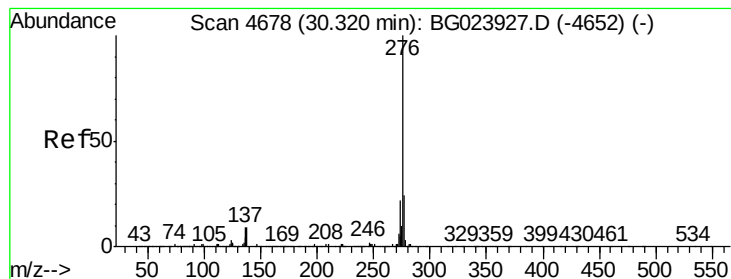


Abundance Ion 278.00 (277.70 to 278.70): E

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: 50.75 ng

RT: 30.21 min Scan# 4659

Delta R.T. -0.09 min

Lab File: BG023980.D

Acq: 9 Sep 2016 18:56

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMSD

Tgt Ion:276 Resp: 1152359

Ion Ratio Lower Upper

276 100

277 23.5 18.6 27.8

138 8.6 6.8 10.2

