

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090916\
 Data File : BG023979.D
 Acq On : 9 Sep 2016 18:18
 Operator : UM/SJ
 Sample : H4715-04MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

Quant Time: Sep 10 00:56:38 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	62382	20.00	ng	-0.04
21) Naphthalene-d8	10.89	136	296466	20.00	ng	-0.04
38) Acenaphthene-d10	14.74	164	239826	20.00	ng	-0.03
63) Phenanthrene-d10	17.50	188	607195	20.00	ng	-0.03
75) Chrysene-d12	21.81	240	471963	20.00	ng	-0.03
86) Perylene-d12	25.17	264	475069	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	465904	131.12	ng	-0.03
7) Phenol-d6	7.24	99	700714	128.11	ng	-0.04
23) Nitrobenzene-d5	9.25	82	612505	92.23	ng	-0.04
41) 2,4,6-Tribromophenol	16.24	330	550195	127.33	ng	-0.03
44) 2-Fluorobiphenyl	13.35	172	1328020	79.39	ng	-0.03
78) Terphenyl-d14	20.11	244	2085422	100.63	ng	-0.03

Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	44886	30.63	ng	# 81
3) Pyridine	3.90	79	149236	33.89	ng	97
4) n-Nitrosodimethylamine	3.80	42	103853	44.74	ng	# 87
6) Aniline	7.39	93	223477	30.78	ng	96
8) 2-Chlorophenol	7.63	128	184309	44.77	ng	98
9) Benzaldehyde	7.20	77	29818	7.67	ng	83
10) Phenol	7.26	94	249522	43.36	ng	97
11) bis(2-Chloroethyl)ether	7.48	93	186695	41.24	ng	93
12) 1,3-Dichlorobenzene	7.95	146	164800	34.21	ng	97
13) 1,4-Dichlorobenzene	8.10	146	173659	34.02	ng	90
14) 1,2-Dichlorobenzene	8.42	146	173620	36.24	ng	95
15) Benzyl Alcohol	8.31	79	265852	55.13	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.60	45	245849	40.52	ng	91
17) 2-Methylphenol	8.52	107	190763	49.21	ng	95
18) Hexachloroethane	9.14	117	71886	36.58	ng	94
19) n-Nitroso-di-n-propylamine	8.88	70	221825	45.91	ng	95
20) 3+4-Methylphenols	8.86	107	263940	48.86	ng	96
22) Acetophenone	8.90	105	312760	40.75	ng	# 97
24) Nitrobenzene	9.29	77	320438	44.87	ng	97
25) Isophorone	9.81	82	612843	47.59	ng	98
26) 2-Nitrophenol	10.01	139	125942	46.39	ng	# 93
27) 2,4-Dimethylphenol	10.06	122	225525	48.88	ng	90
28) bis(2-Chloroethoxy)methane	10.29	93	305927	47.05	ng	95
29) 2,4-Dichlorophenol	10.55	162	253539	51.87	ng	99
30) 1,2,4-Trichlorobenzene	10.75	180	220907	41.20	ng	95
31) Naphthalene	10.95	128	632189	41.38	ng	98
32) Benzoic acid	10.25	122	83119	22.18	ng	95
33) 4-Chloroaniline	11.07	127	62783	9.84	ng	95
34) Hexachlorobutadiene	11.22	225	167402	41.57	ng	96
35) Caprolactam	11.88	113	34023	19.75	ng	96
36) 4-Chloro-3-methylphenol	12.20	107	320508	49.07	ng	95
37) 2-Methylnaphthalene	12.55	142	527912	45.43	ng	99
39) 1,2,4,5-Tetrachlorobenzene	12.92	216	302214	37.96	ng	99
40) Hexachlorocyclopentadiene	12.89	237	337562	71.23	ng	99

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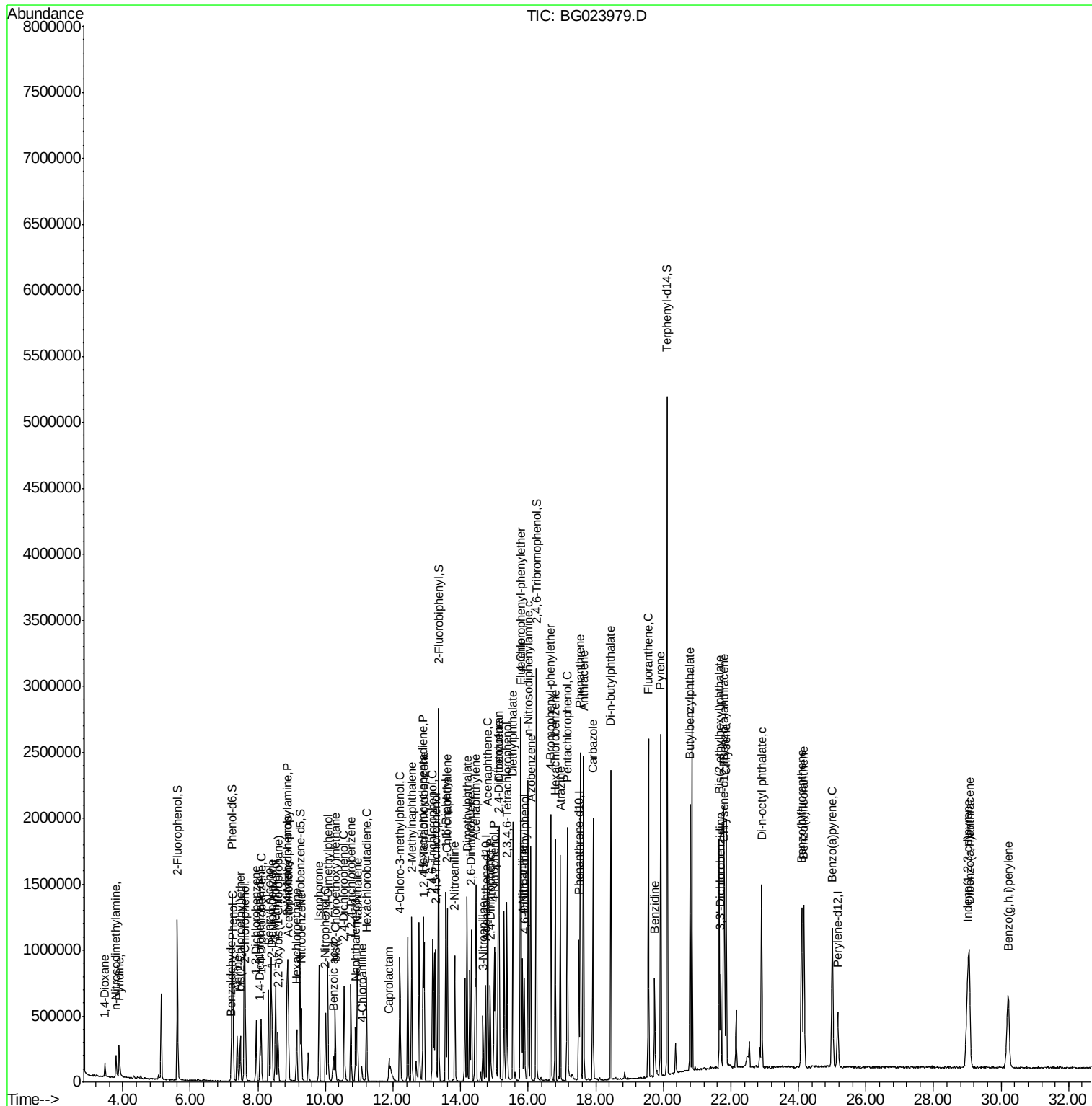
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.17	196	242298	45.61	ng	98
43) 2,4,5-Trichlorophenol	13.26	196	246259	45.86	ng	92
45) 1,1'-Biphenyl	13.56	154	694301	35.99	ng	99
46) 2-Chloronaphthalene	13.61	162	596258	42.10	ng	94
47) 2-Nitroaniline	13.83	65	281012	50.38	ng	96
48) Acenaphthylene	14.46	152	972851	41.21	ng	99
49) Dimethylphthalate	14.19	163	869569	42.28	ng	100
50) 2,6-Dinitrotoluene	14.32	165	192804	44.41	ng	94
51) Acenaphthene	14.80	154	627863	43.02	ng	98
52) 3-Nitroaniline	14.66	138	100451	24.74	ng	92
53) 2,4-Dinitrophenol	14.87	184	153726	51.01	ng	# 83
54) Dibenzofuran	15.14	168	1028701	45.16	ng	99
55) 4-Nitrophenol	14.99	139	225259	69.72	ng	85
56) 2,4-Dinitrotoluene	15.12	165	285813	44.79	ng	88
57) Fluorene	15.79	166	861586	43.62	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.37	232	264948	48.61	ng	95
59) Diethylphthalate	15.55	149	932131	42.46	ng	98
60) 4-Chlorophenyl-phenylether	15.77	204	469823	44.19	ng	95
61) 4-Nitroaniline	15.84	138	173754	42.33	ng	94
62) Azobenzene	16.07	77	1068466	50.25	ng	96
64) 4,6-Dinitro-2-methylphenol	15.89	198	152008	36.06	ng	84
65) n-Nitrosodiphenylamine	16.00	169	788274	45.71	ng	94
66) 4-Bromophenyl-phenylether	16.68	248	353045	47.79	ng	96
67) Hexachlorobenzene	16.80	284	370115	42.72	ng	96
68) Atrazine	16.95	200	340081	45.83	ng	97
69) Pentachlorophenol	17.15	266	348999	75.84	ng	100
70) Phenanthrene	17.54	178	1426971	45.18	ng	99
71) Anthracene	17.64	178	1466751	45.52	ng	98
72) Carbazole	17.92	167	1233758	42.20	ng	98
73) Di-n-butylphthalate	18.45	149	1562158	44.78	ng	99
74) Fluoranthene	19.56	202	1601006	42.10	ng	97
76) Benzidine	19.74	184	434815	29.75	ng	96
77) Pyrene	19.92	202	1533222	52.82	ng	95
79) Butylbenzylphthalate	20.80	149	550750	49.22	ng	98
80) Benzo(a)anthracene	21.79	228	1275547	48.28	ng	95
81) 3,3'-Dichlorobenzidine	21.70	252	266539	25.24	ng	# 99
82) Chrysene	21.86	228	1193141	47.44	ng	98
83) Bis(2-ethylhexyl)phthalate	21.67	149	686235	44.79	ng	96
84) Di-n-octyl phthalate	22.91	149	1167376	46.46	ng	100
85) Indeno(1,2,3-cd)pyrene	29.01	276	1464098	52.58	ng	# 100
87) Benzo(b)fluoranthene	24.10	252	1291816	47.87	ng	99
88) Benzo(k)fluoranthene	24.17	252	1270354	47.47	ng	# 99
89) Benzo(a)pyrene	25.01	252	1247234	48.67	ng	99
90) Dibenzo(a,h)anthracene	29.06	278	1216640	48.27	ng	# 95
91) Benzo(g,h,i)perylene	30.21	276	1217871	50.25	ng	99

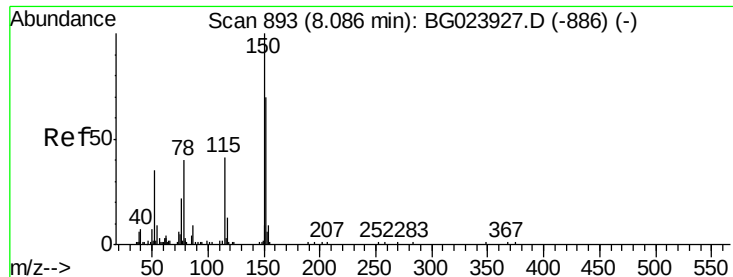
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.06 min Scan# 889

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

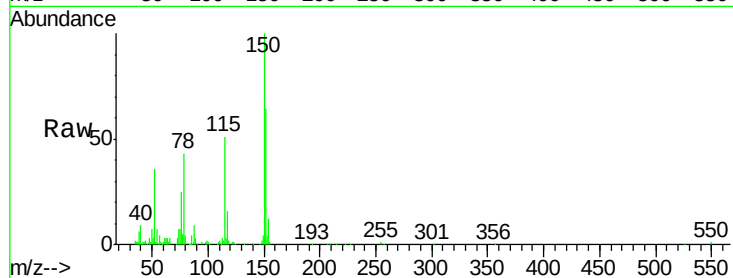
Tgt Ion:152 Resp: 62382

Ion Ratio Lower Upper

152 100

150 155.1 144.7 217.1

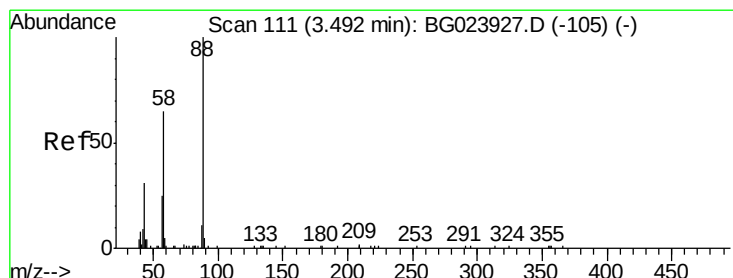
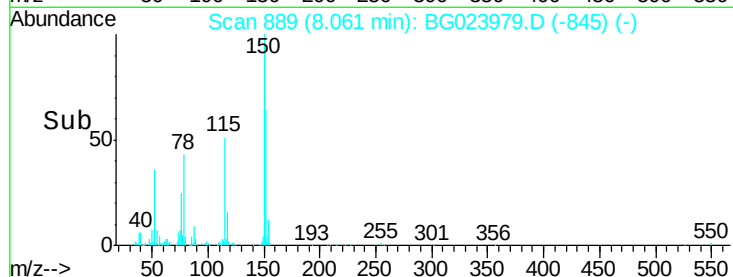
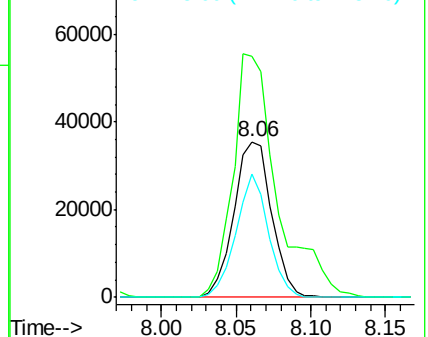
115 79.0 64.0 96.0



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: 30.63 ng

RT: 3.47 min Scan# 108

Delta R.T. -0.02 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

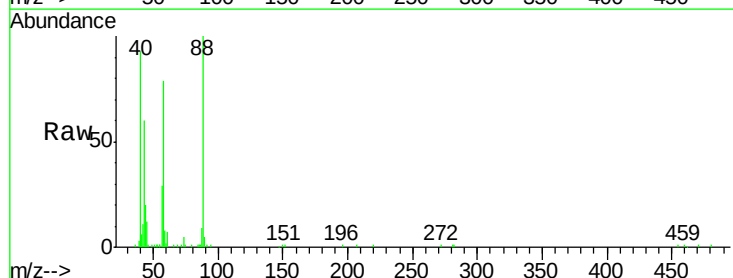
Tgt Ion: 88 Resp: 44886

Ion Ratio Lower Upper

88 100

58 80.2 60.4 90.6

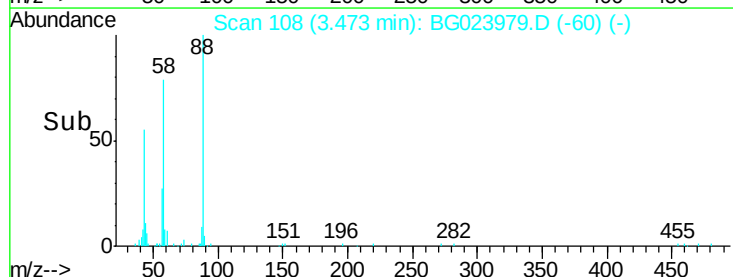
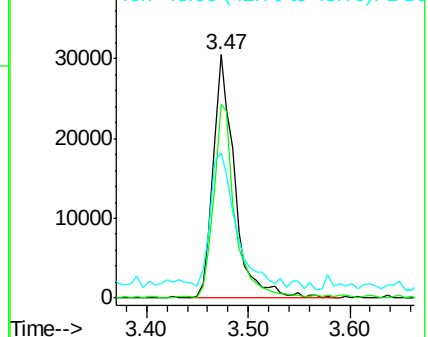
43 66.3 31.1 46.7#

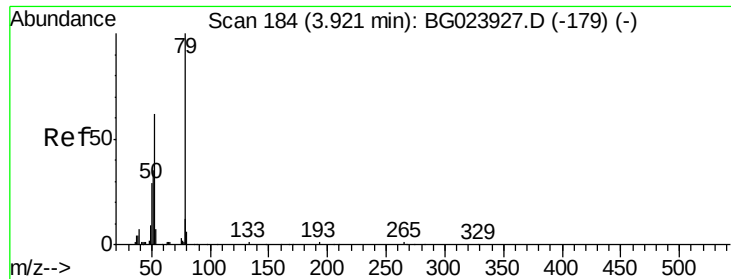


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 33.89 ng

RT: 3.90 min Scan# 180

Delta R.T. -0.01 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

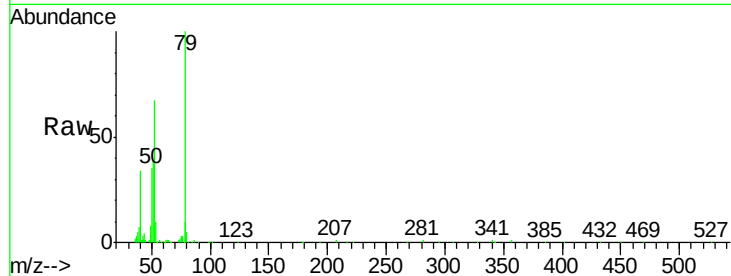
Tgt Ion: 79 Resp: 149236

Ion Ratio Lower Upper

79 100

52 67.4 51.8 77.8

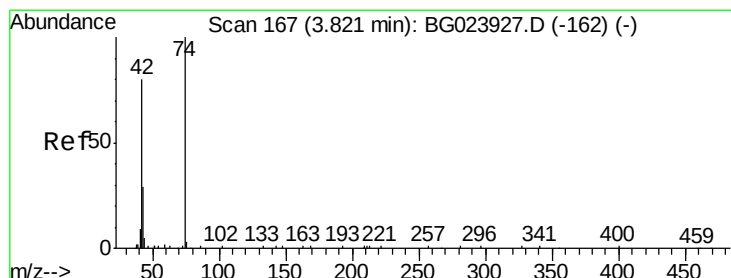
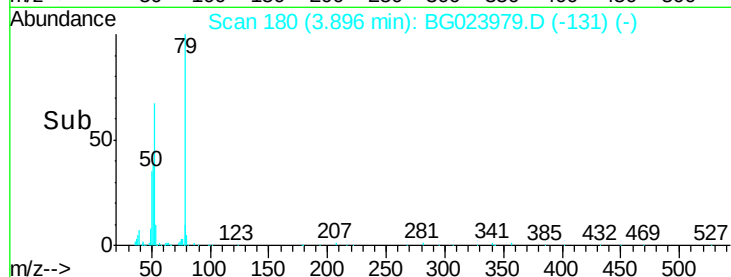
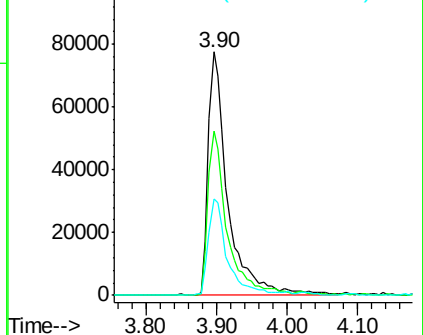
51 39.4 32.7 49.1



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: 44.74 ng

RT: 3.80 min Scan# 163

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

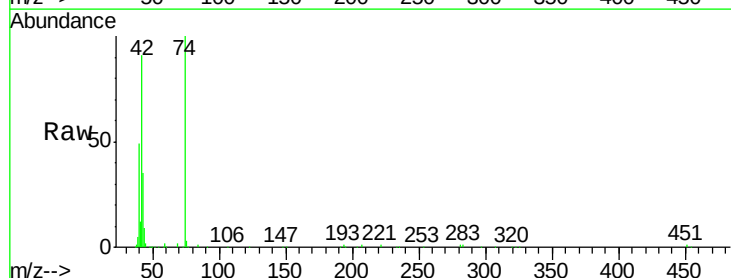
Tgt Ion: 42 Resp: 103853

Ion Ratio Lower Upper

42 100

74 110.4 100.6 150.8

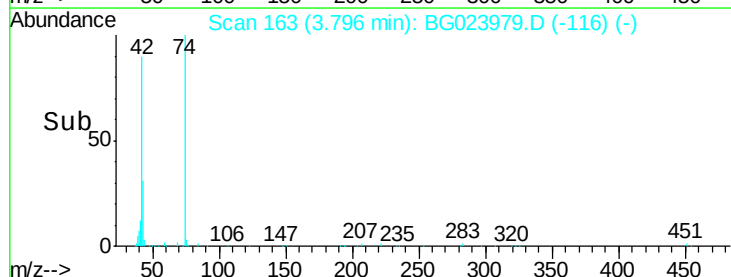
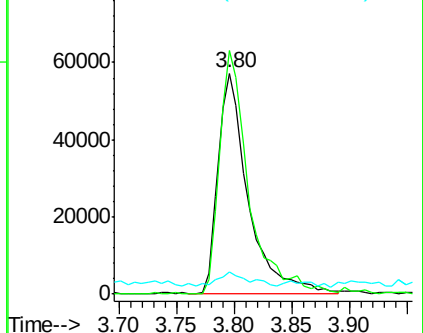
44 10.1 4.5 6.7#

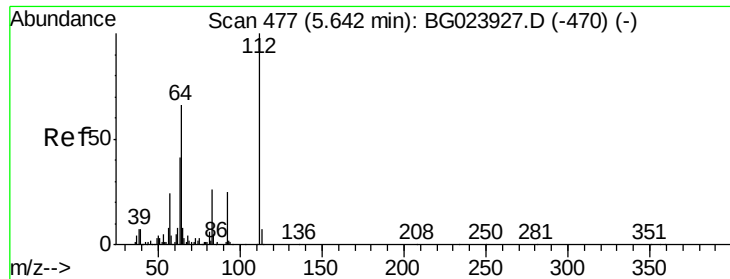


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 131.12 ng

RT: 5.62 min Scan# 473

Delta R.T. -0.03 min

Lab File: BG023979.D

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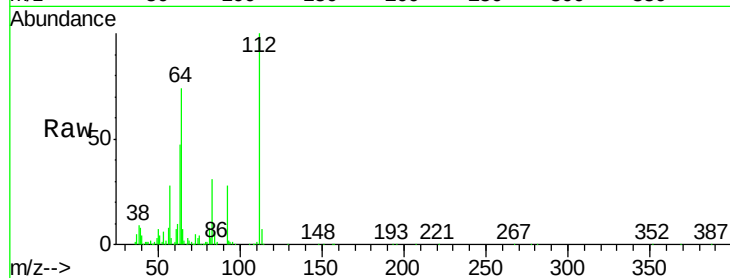
Tgt Ion:112 Resp: 465904

Ion Ratio Lower Upper

112 100

64 74.4 59.0 88.4

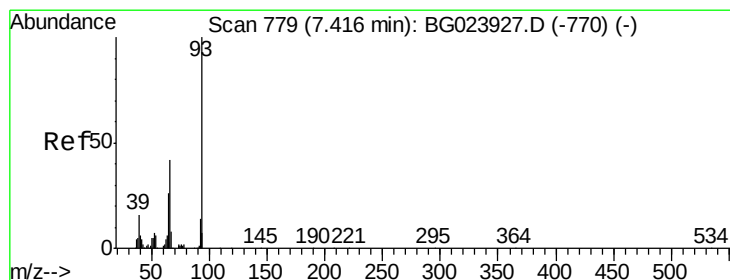
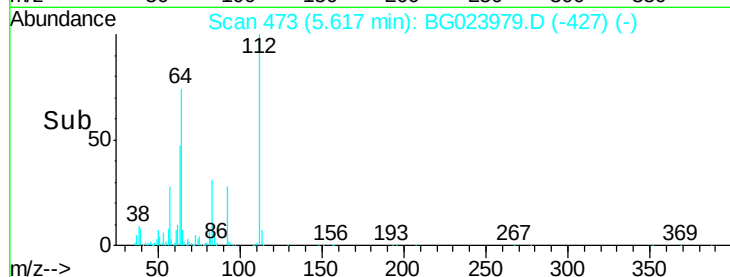
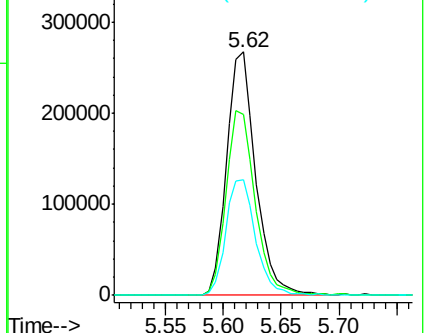
63 47.5 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 30.78 ng

RT: 7.39 min Scan# 775

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

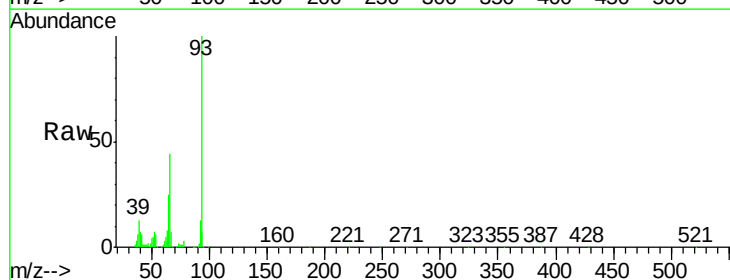
Tgt Ion: 93 Resp: 223477

Ion Ratio Lower Upper

93 100

66 44.1 37.5 56.3

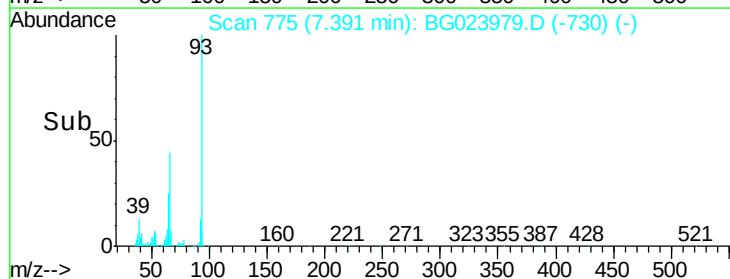
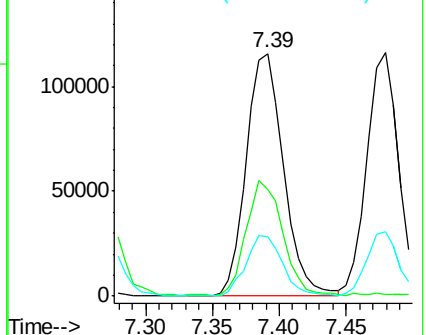
65 24.5 17.9 26.9

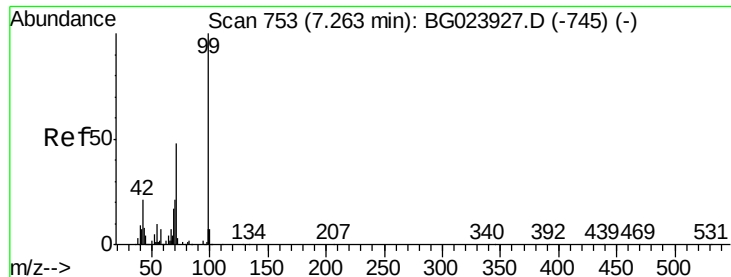


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 128.11 ng

RT: 7.24 min Scan# 749

Delta R.T. -0.04 min

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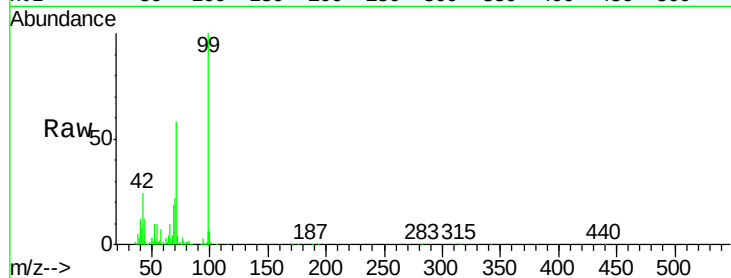
Tgt Ion: 99 Resp: 700714

Ion Ratio Lower Upper

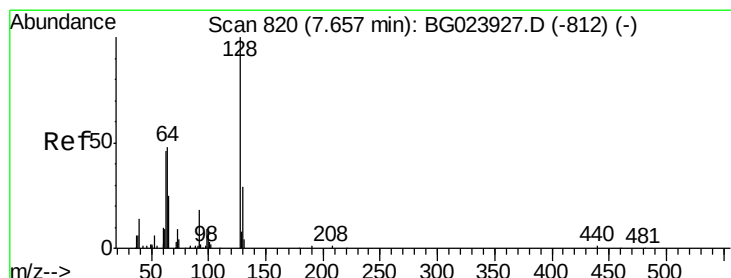
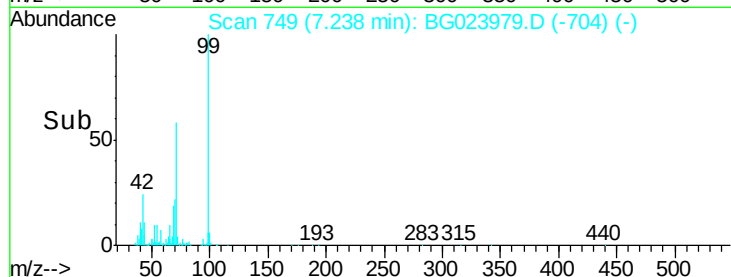
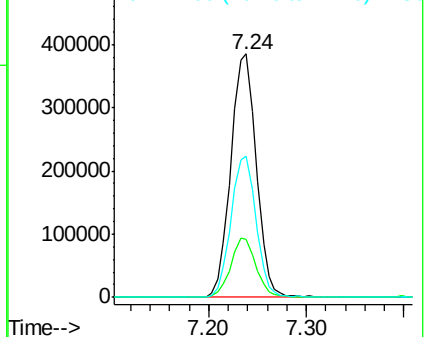
99 100

42 23.8 17.8 26.6

71 58.2 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: 44.77 ng

RT: 7.63 min Scan# 816

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

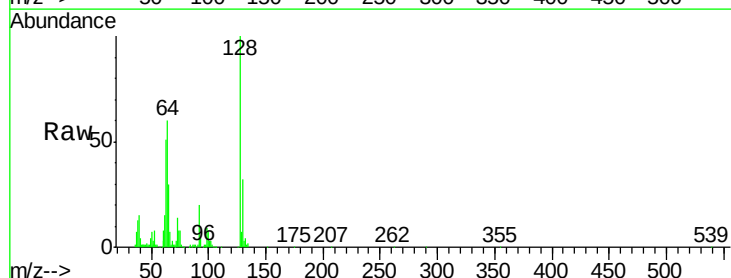
Tgt Ion: 128 Resp: 184309

Ion Ratio Lower Upper

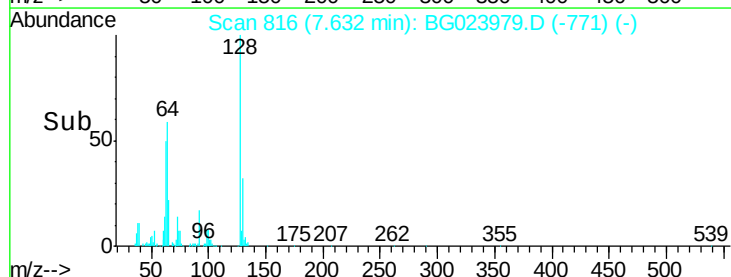
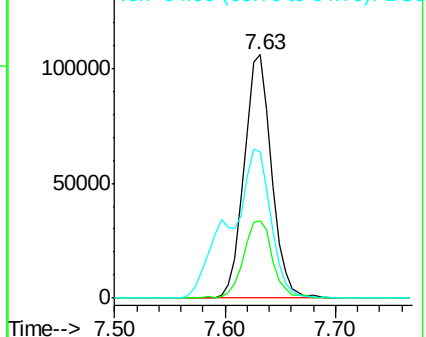
128 100

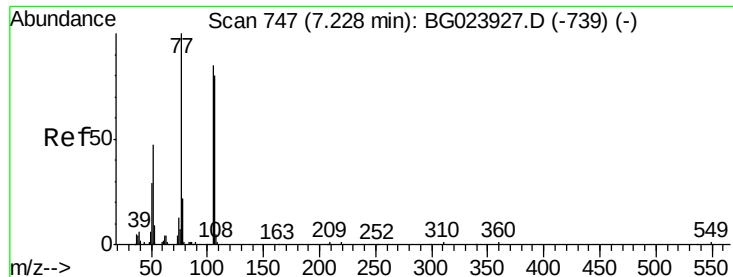
130 31.6 12.9 52.9

64 60.0 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: 7.67 ng

RT: 7.20 min Scan# 743

Delta R.T. -0.04 min

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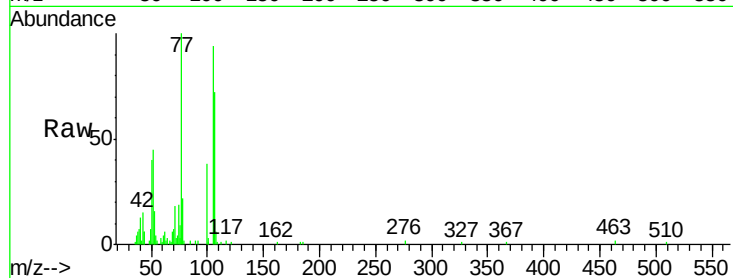
Tgt Ion: 77 Resp: 29818

Ion Ratio Lower Upper

77 100

105 94.5 58.7 98.7

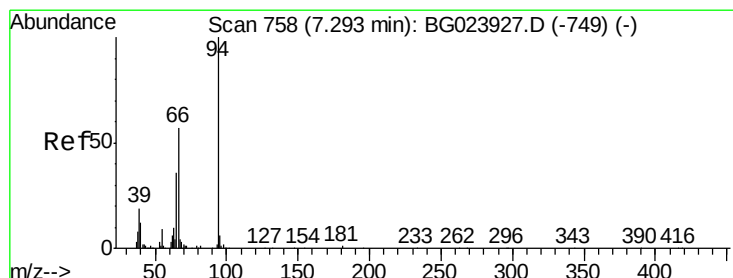
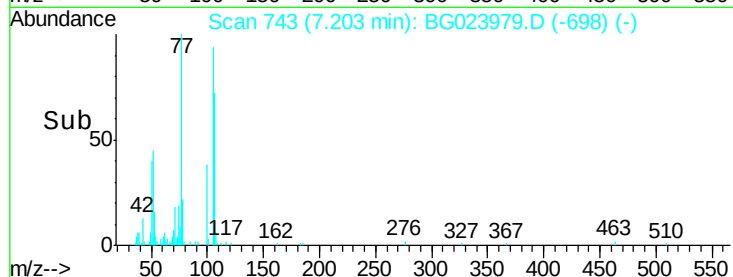
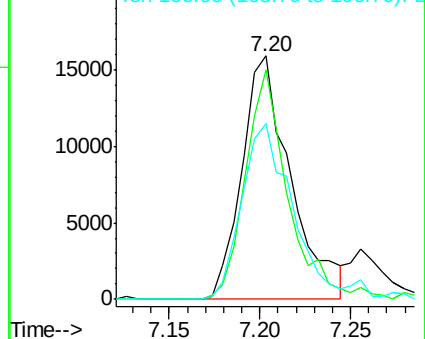
106 72.0 67.5 107.5



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 43.36 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

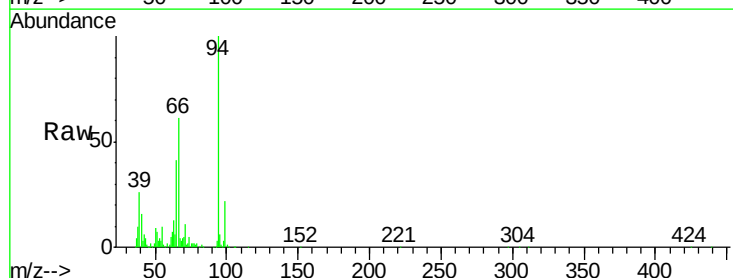
Tgt Ion: 94 Resp: 249522

Ion Ratio Lower Upper

94 100

65 41.3 18.1 58.1

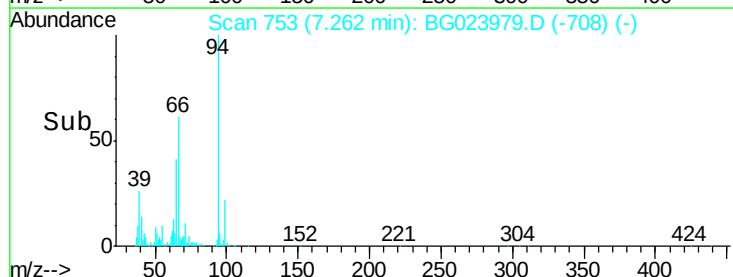
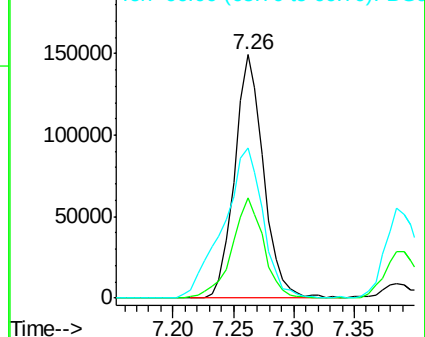
66 61.5 42.1 82.1

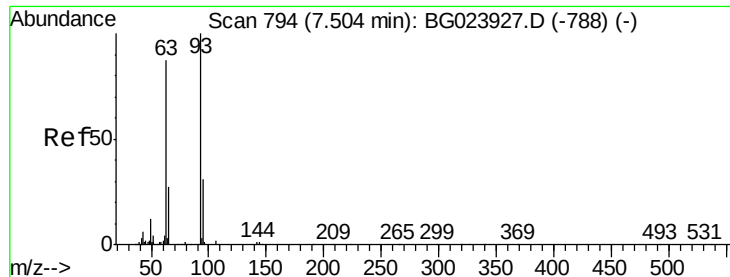


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

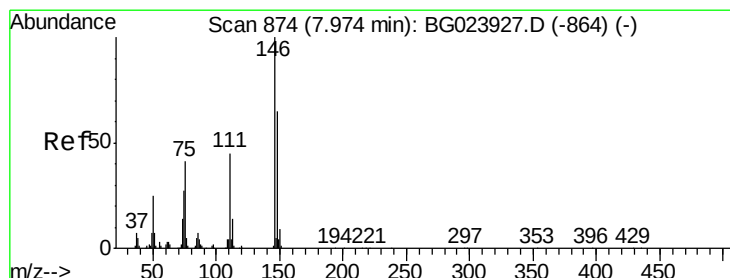
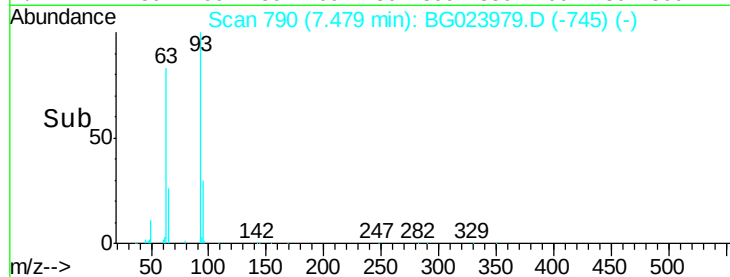
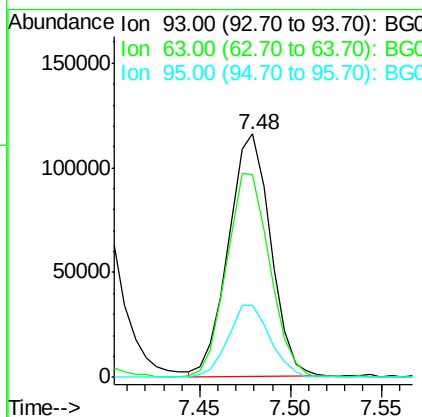
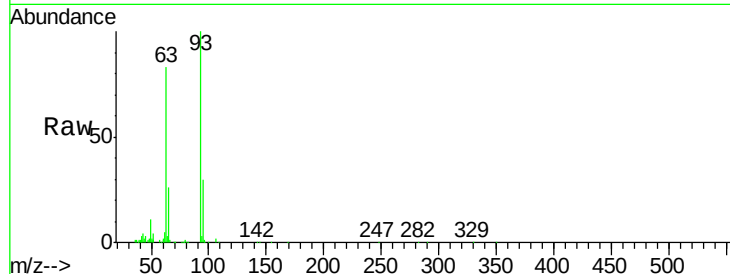




#11
bis(2-Chloroethyl)ether
Concen: 41.24 ng
RT: 7.48 min Scan# 790
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

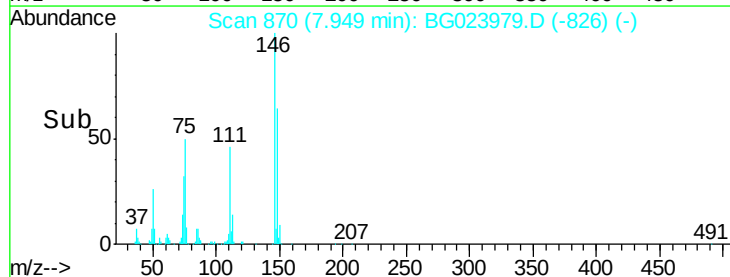
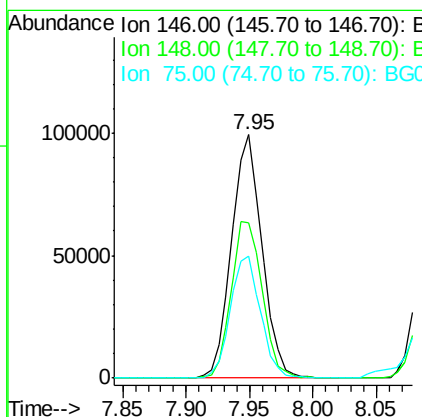
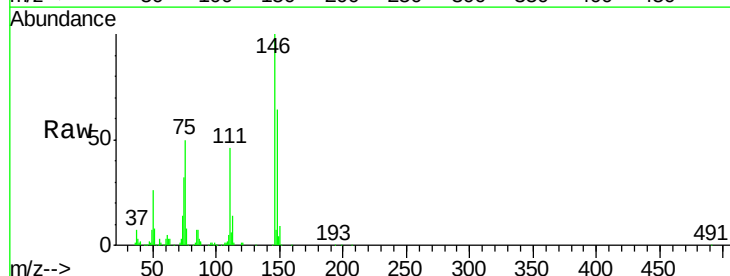
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

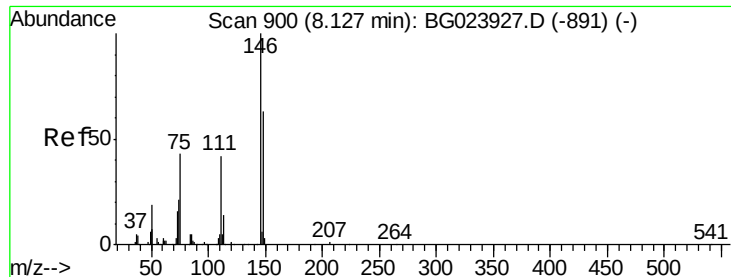
Tgt Ion	Ratio	Lower	Upper
93	100		
63	83.1	55.0	95.0
95	29.8	11.0	51.0



#12
1,3-Dichlorobenzene
Concen: 34.21 ng
RT: 7.95 min Scan# 870
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.3	75.5
75	50.0	37.0	55.6

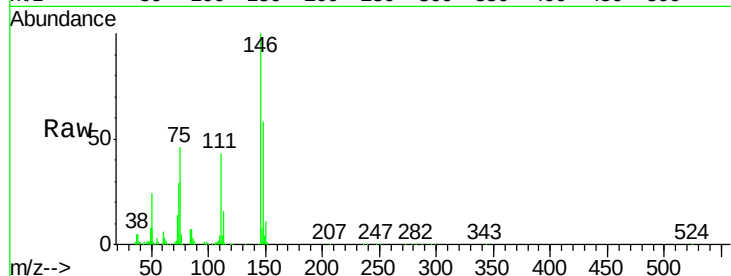




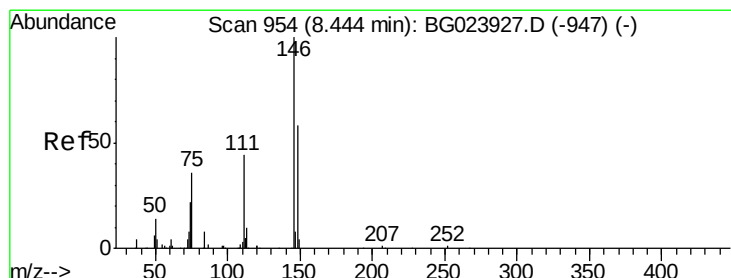
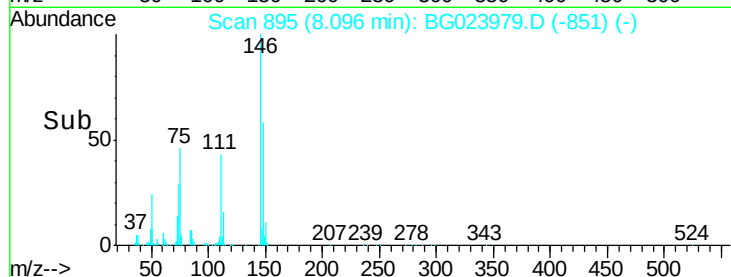
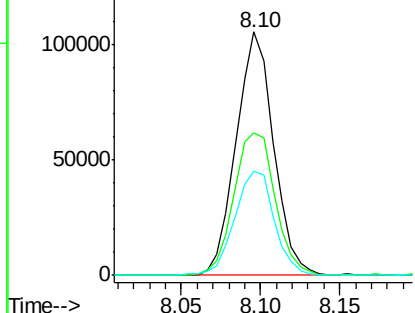
#13
 1,4-Dichlorobenzene
 Concen: 34.02 ng
 RT: 8.10 min Scan# 895
 Delta R.T. -0.04 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

Tgt Ion:146 Resp: 173659
 Ion Ratio Lower Upper
 146 100
 148 58.3 54.5 81.7
 111 42.5 37.8 56.8

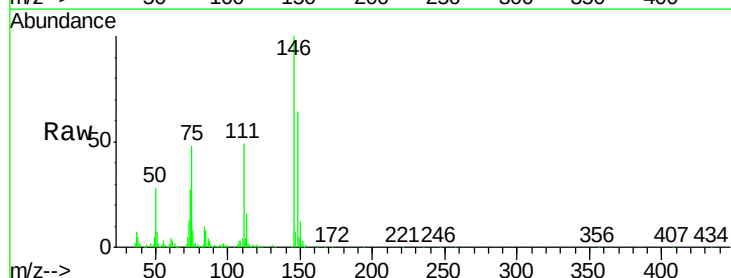


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

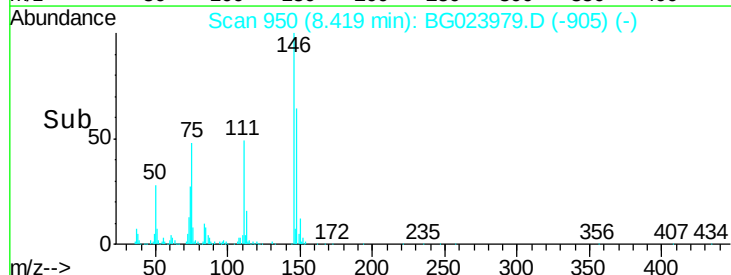
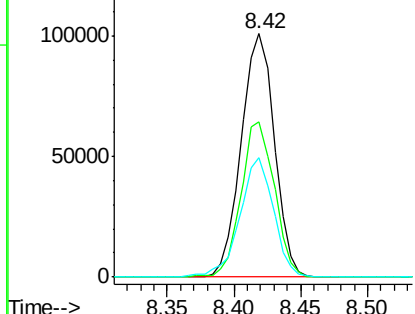


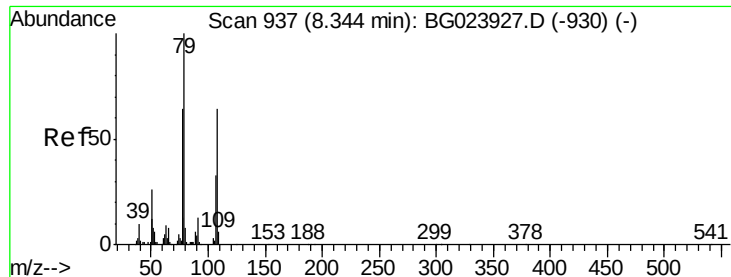
#14
 1,2-Dichlorobenzene
 Concen: 36.24 ng
 RT: 8.42 min Scan# 950
 Delta R.T. -0.04 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Tgt Ion:146 Resp: 173620
 Ion Ratio Lower Upper
 146 100
 148 63.9 52.9 79.3
 111 48.9 43.5 65.3



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

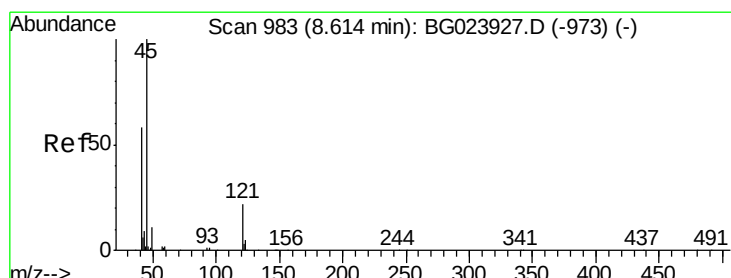
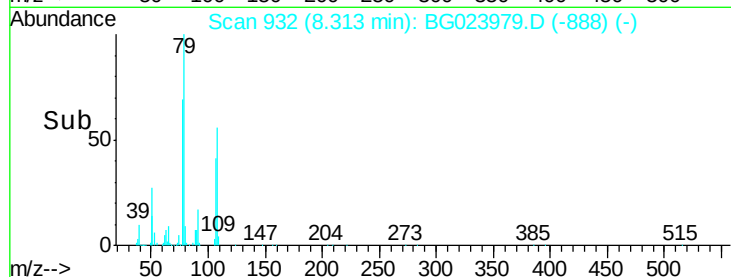
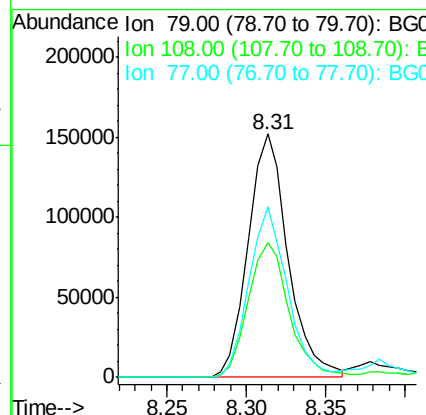
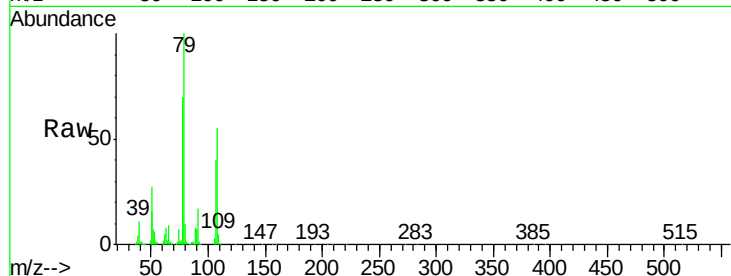




#15
Benzyl Alcohol
Concen: 55.13 ng
RT: 8.31 min Scan# 932
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

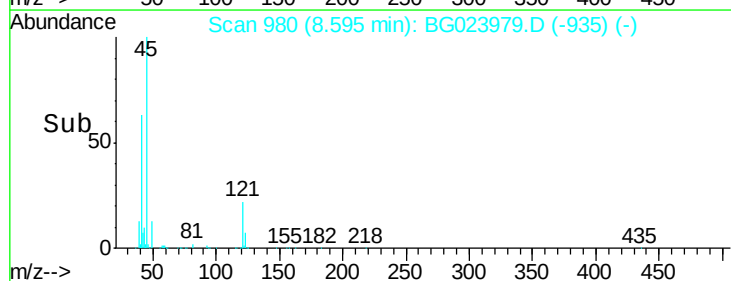
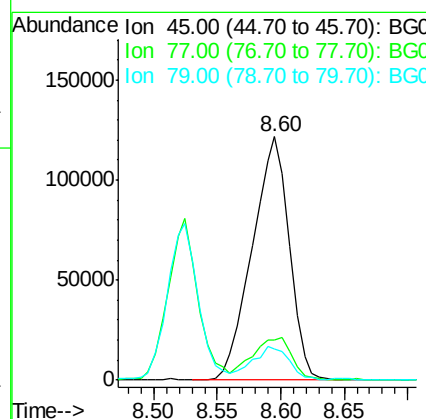
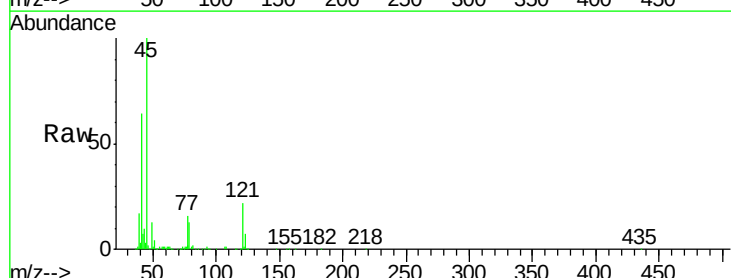
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

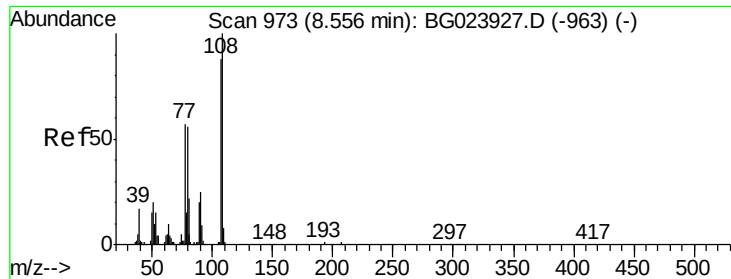
Tgt Ion	Ratio	Lower	Upper
79	100		
108	55.3	46.5	69.7
77	69.9	52.3	78.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.52 ng
RT: 8.60 min Scan# 980
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.6	40.6
79	12.9	0.0	36.2

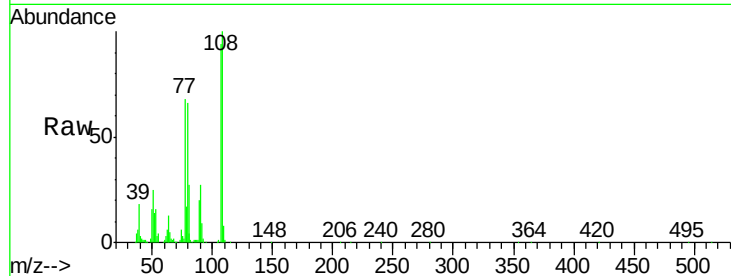




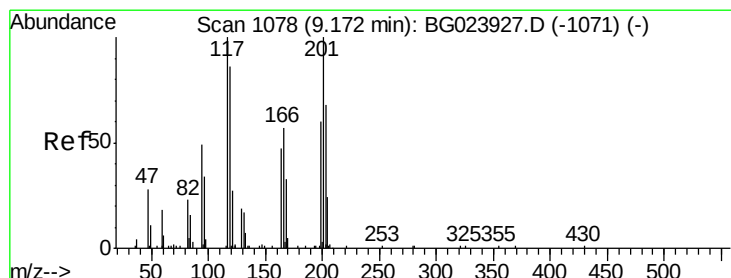
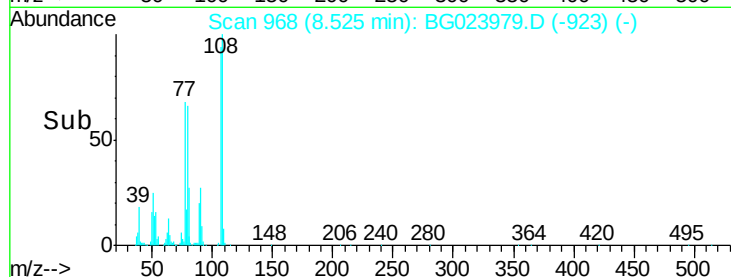
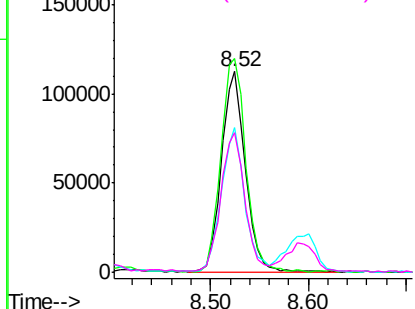
#17
 2-Methylphenol
 Concen: 49.21 ng
 RT: 8.52 min Scan# 968
 Delta R.T. -0.04 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

Tgt Ion:	107	Resp:	190763
Ion	Ratio	Lower	Upper
107	100		
108	106.6	92.0	138.0
77	72.2	55.8	83.6
79	69.9	55.0	82.6

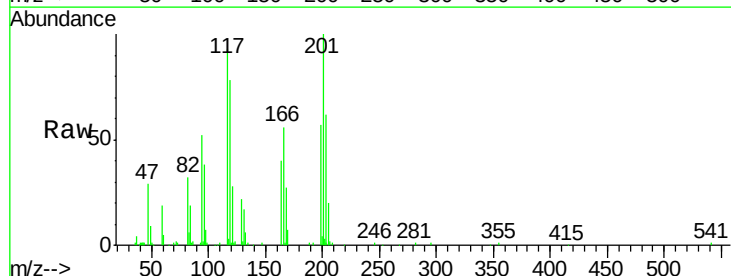


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BG
 Ion 79.00 (78.70 to 79.70): BG

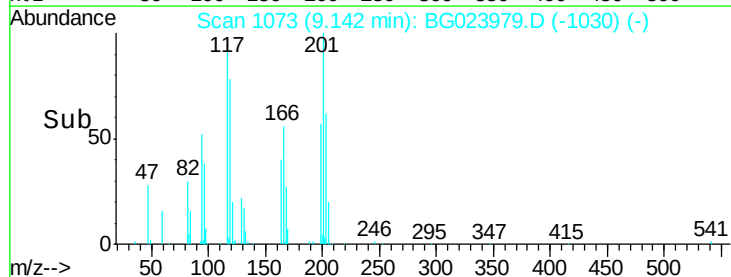
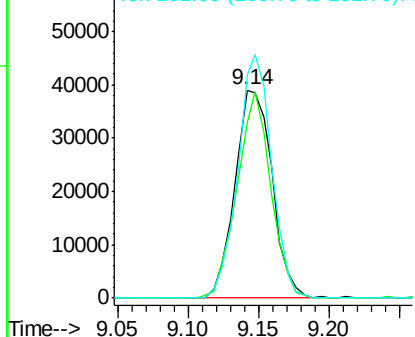


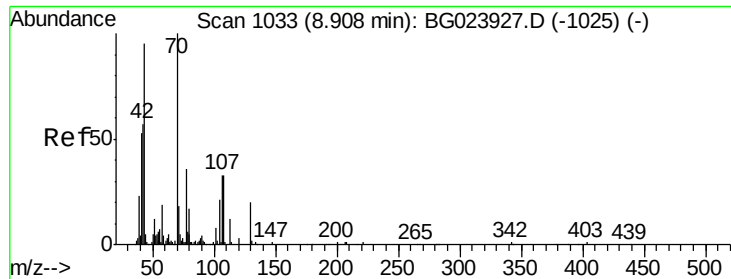
#18
 Hexachloroethane
 Concen: 36.58 ng
 RT: 9.14 min Scan# 1073
 Delta R.T. -0.05 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Tgt Ion:	117	Resp:	71886
Ion	Ratio	Lower	Upper
117	100		
119	84.2	73.7	110.5
201	107.2	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

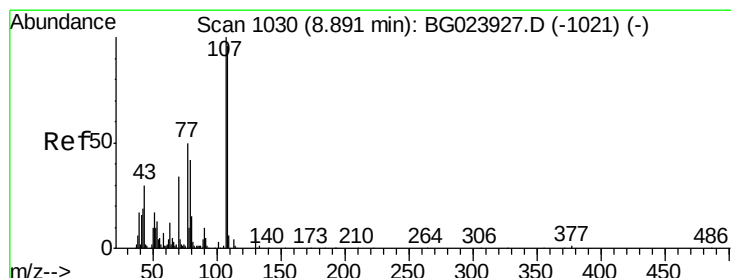
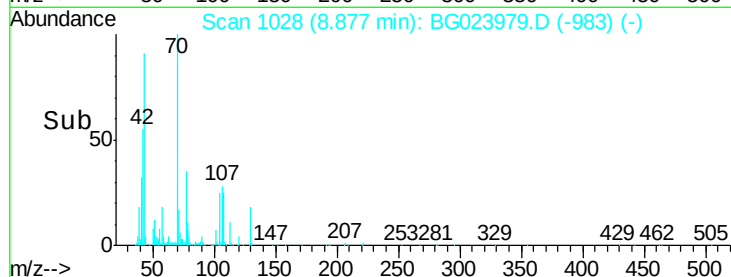
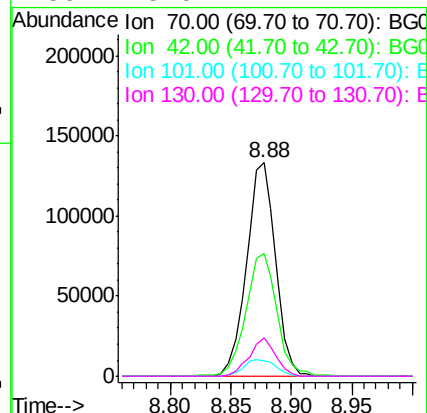
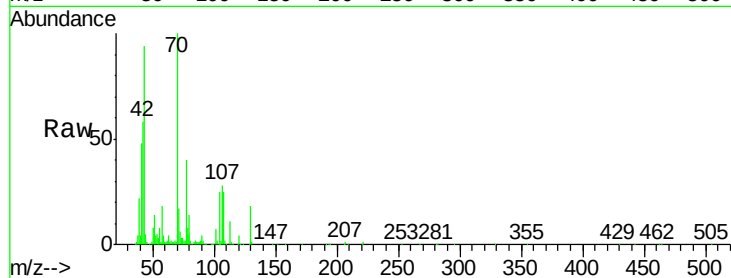




#19
n-Nitroso-di-n-propylamine
Concen: 45.91 ng
RT: 8.88 min Scan# 1028
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

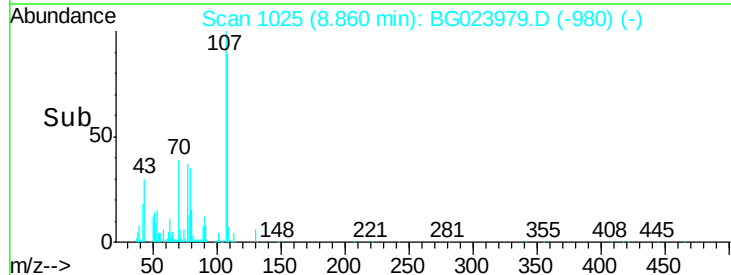
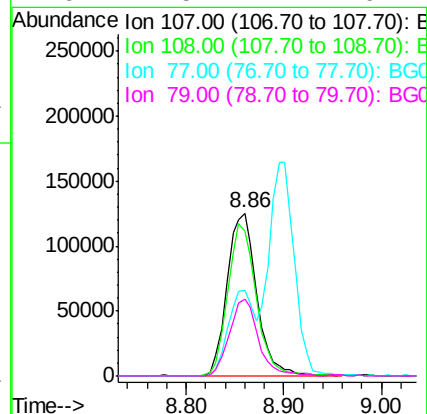
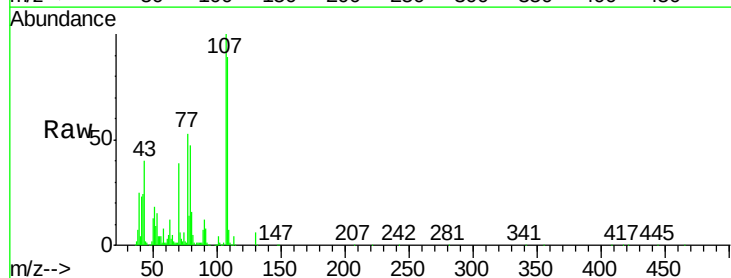
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

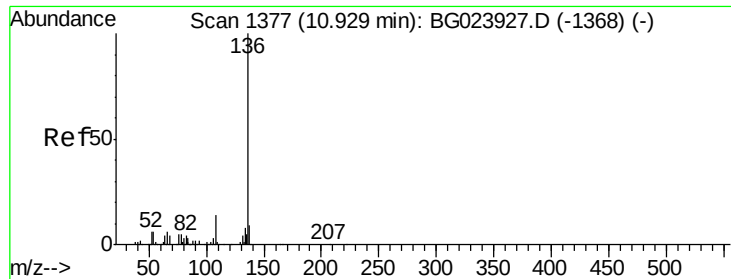
Tgt Ion:	70	Resp:	221825
Ion	Ratio	Lower	Upper
70	100		
42	57.6	42.1	63.1
101	7.4	7.2	10.8
130	18.0	14.2	21.2



#20
3+4-Methylphenols
Concen: 48.86 ng
RT: 8.86 min Scan# 1025
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion:	107	Resp:	263940
Ion	Ratio	Lower	Upper
107	100		
108	88.7	72.5	112.5
77	52.9	30.1	70.1
79	47.5	24.2	64.2

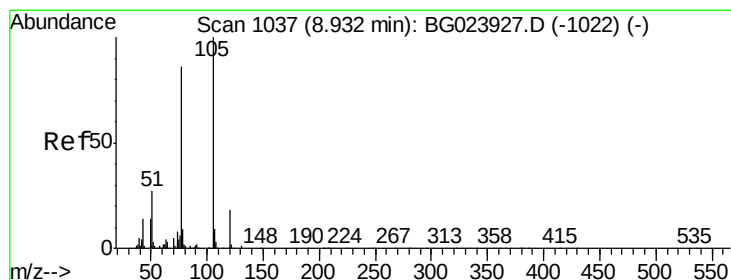
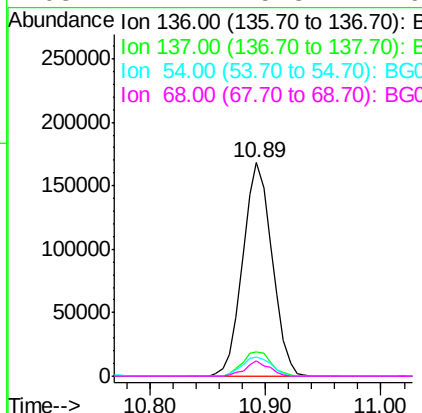
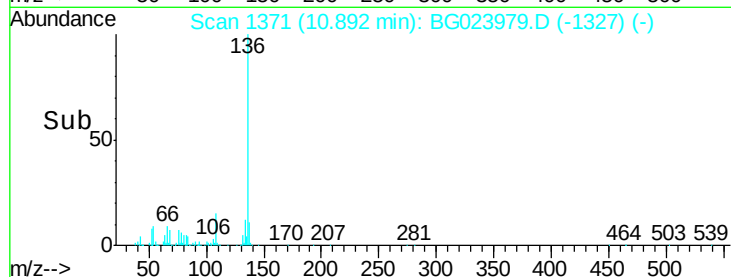
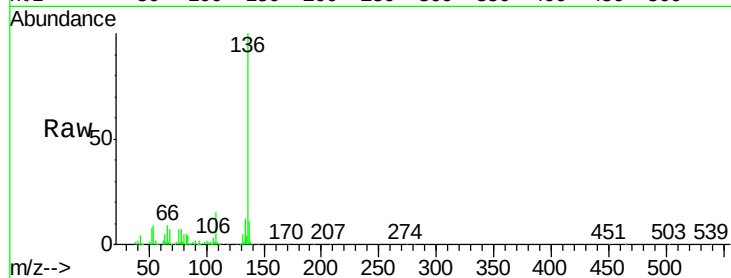




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1371
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

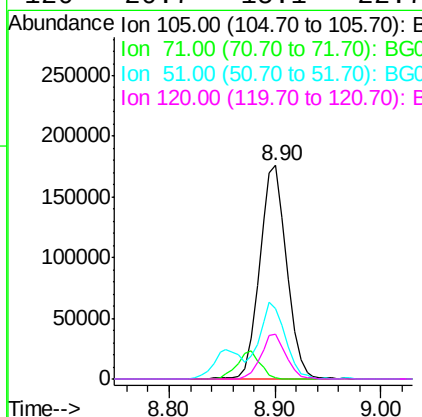
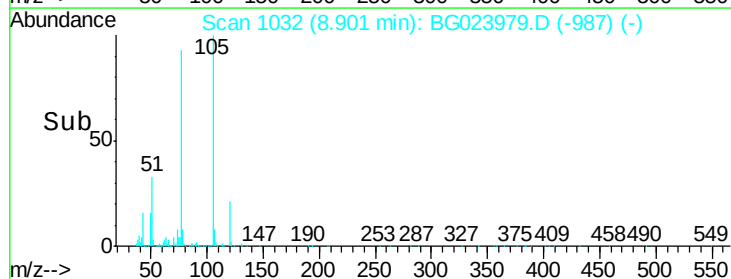
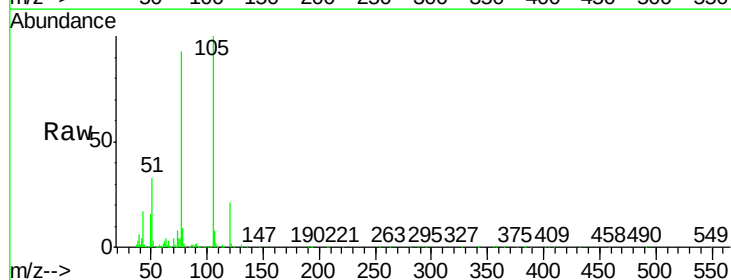
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

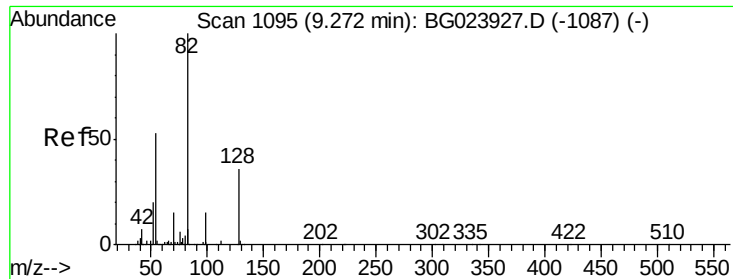
Tgt Ion:	136	Resp:	296466
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.6	14.4
54	8.9	7.3	10.9
68	7.1	5.3	7.9



#22
Acetophenone
Concen: 40.75 ng
RT: 8.90 min Scan# 1032
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion:	105	Resp:	312760
Ion Ratio	Lower	Upper	
105	100		
71	0.8	2.6	3.8#
51	33.0	27.1	40.7
120	20.7	15.1	22.7

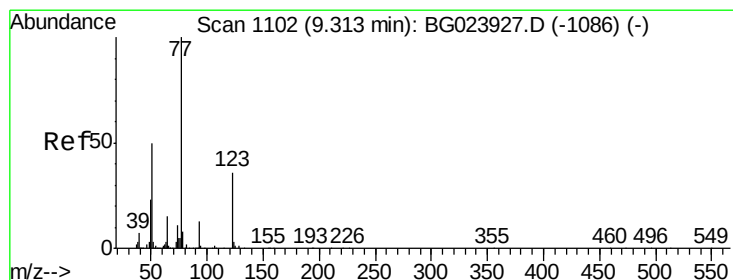
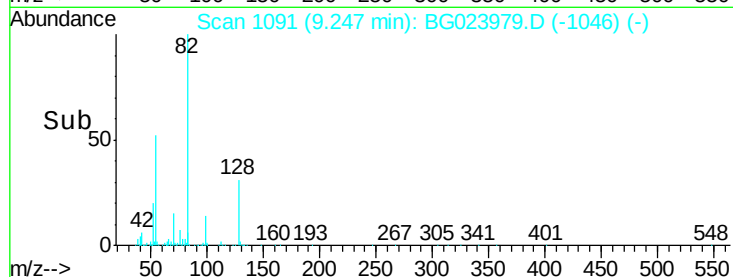
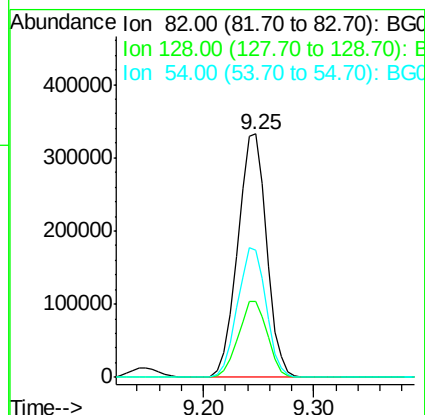
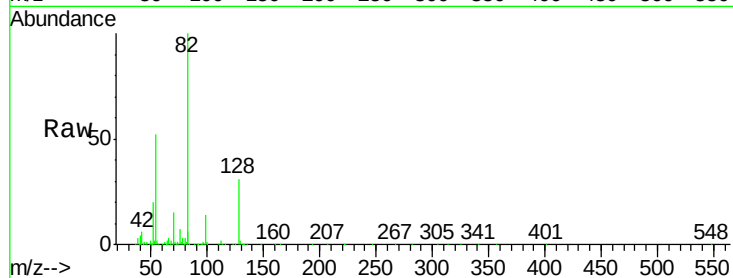




#23
 Nitrobenzene-d5
 Concen: 92.23 ng
 RT: 9.25 min Scan# 1091
 Delta R.T. -0.04 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

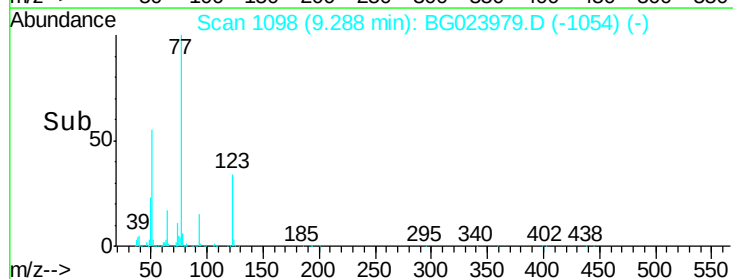
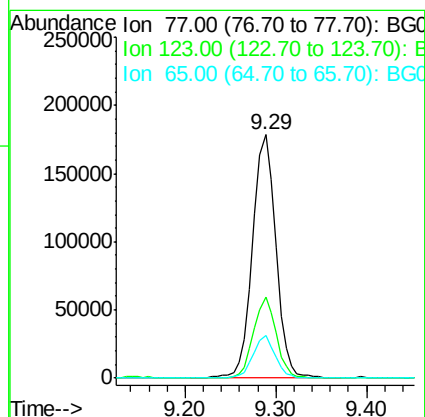
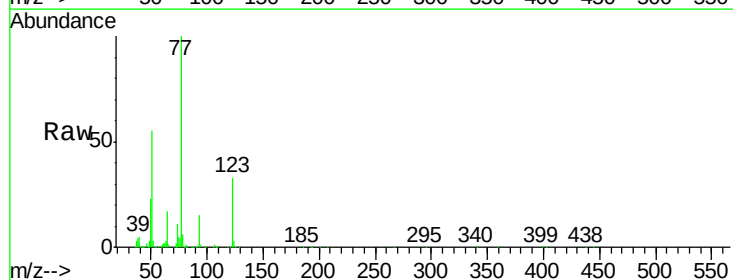
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

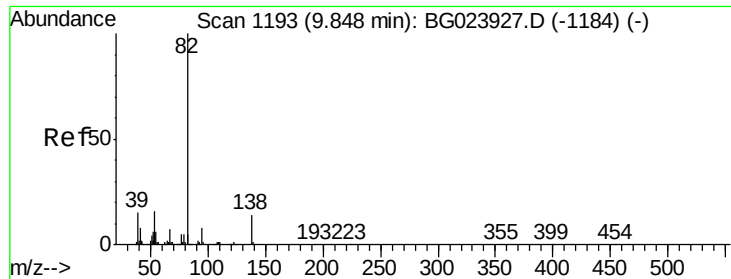
Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.3	24.4	36.6
54	52.2	41.4	62.0



#24
 Nitrobenzene
 Concen: 44.87 ng
 RT: 9.29 min Scan# 1098
 Delta R.T. -0.04 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Tgt Ion	Ratio	Lower	Upper
77	100		
123	33.5	25.0	37.6
65	17.3	13.4	20.0

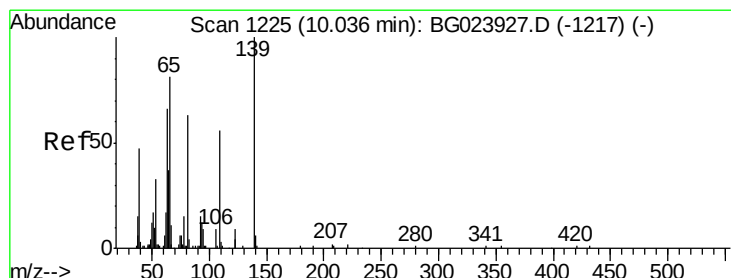
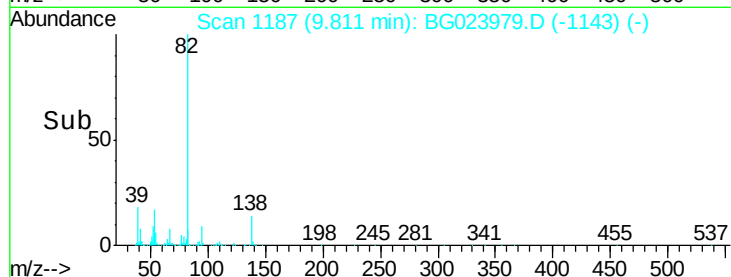
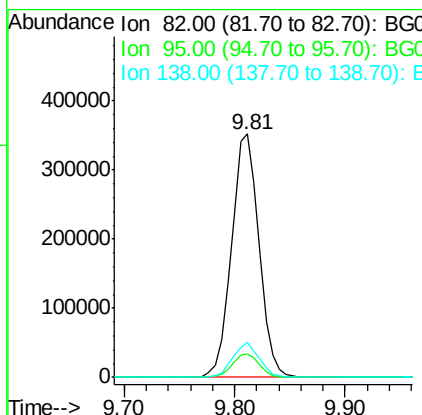
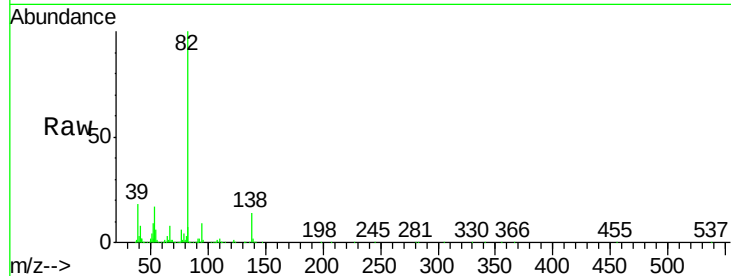




#25
Isophorone
Concen: 47.59 ng
RT: 9.81 min Scan# 1187
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

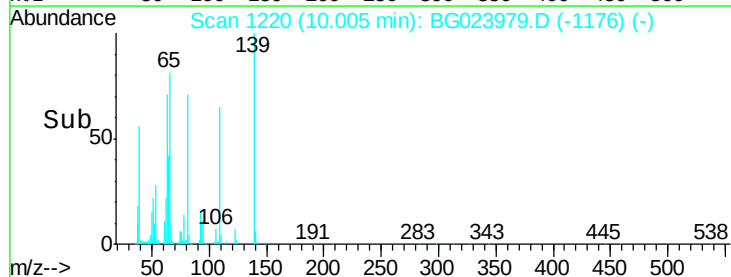
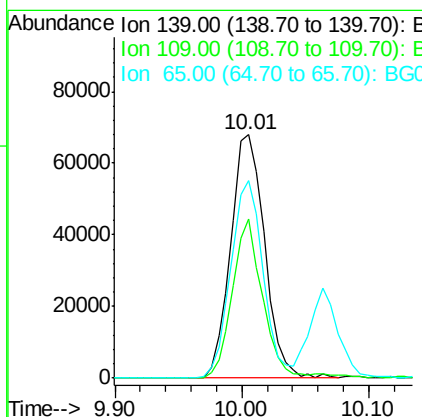
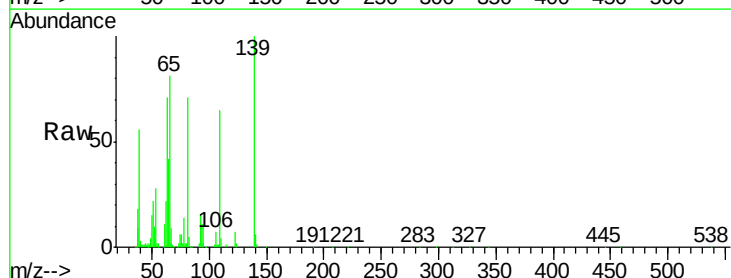
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

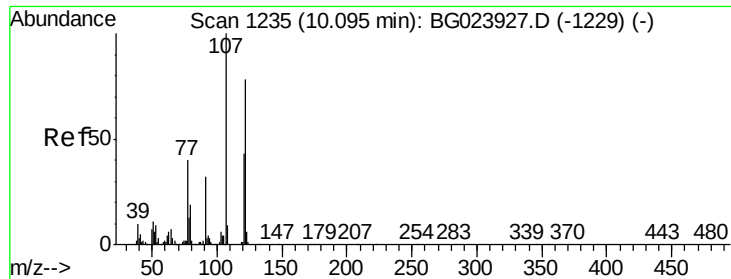
Tgt Ion: 82 Resp: 612843
Ion Ratio Lower Upper
82 100
95 9.4 8.2 12.2
138 14.2 10.7 16.1



#26
2-Nitrophenol
Concen: 46.39 ng
RT: 10.01 min Scan# 1220
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion: 139 Resp: 125942
Ion Ratio Lower Upper
139 100
109 65.5 43.5 65.3#
65 80.9 64.3 96.5

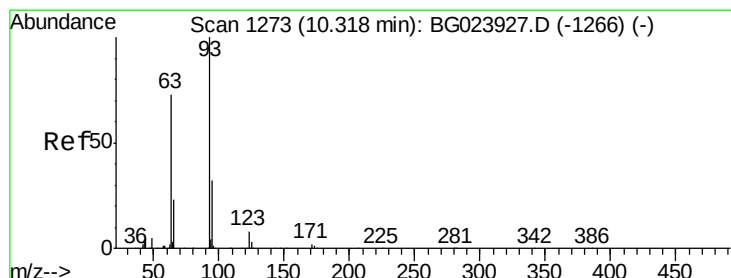
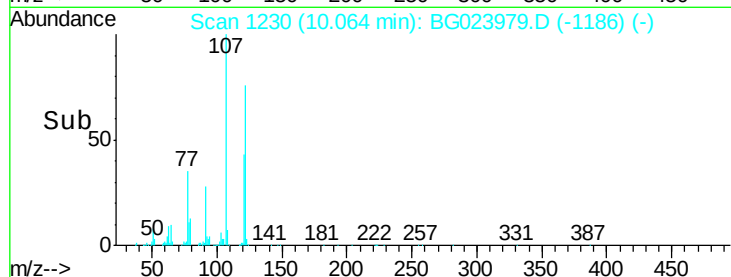
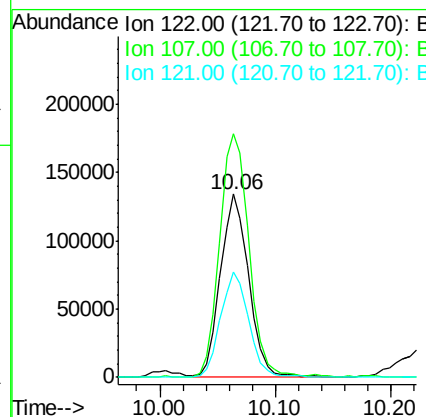
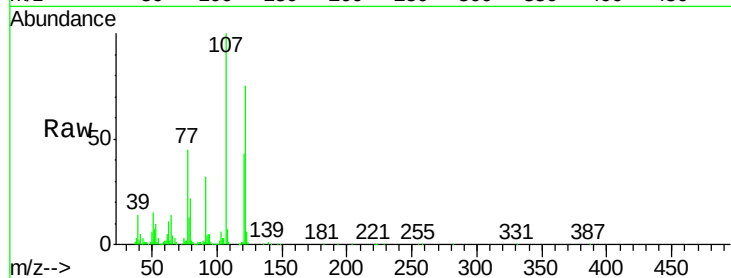




#27
 2,4-Dimethylphenol
 Concen: 48.88 ng
 RT: 10.06 min Scan# 1230
 Delta R.T. -0.04 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

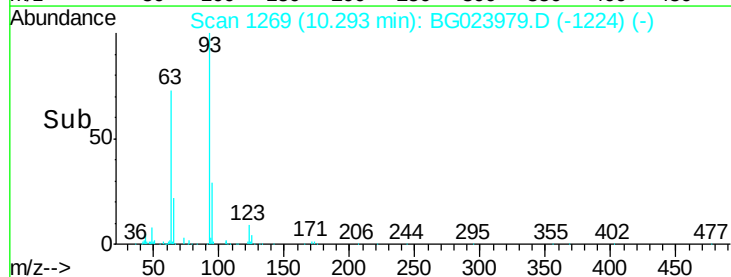
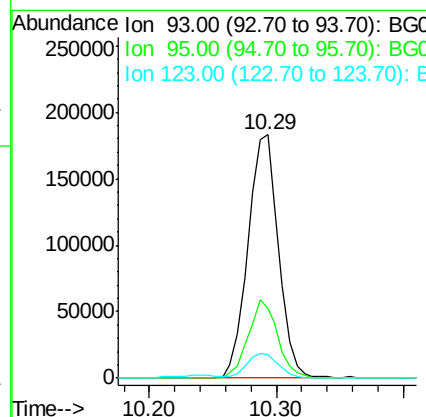
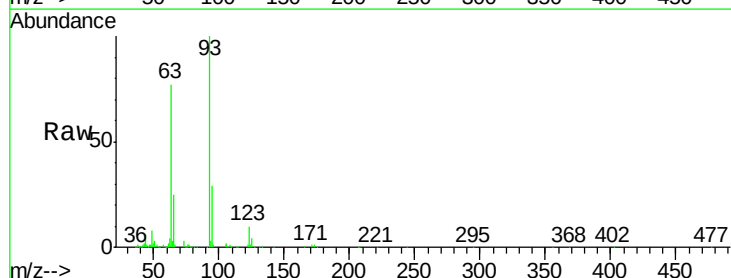
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

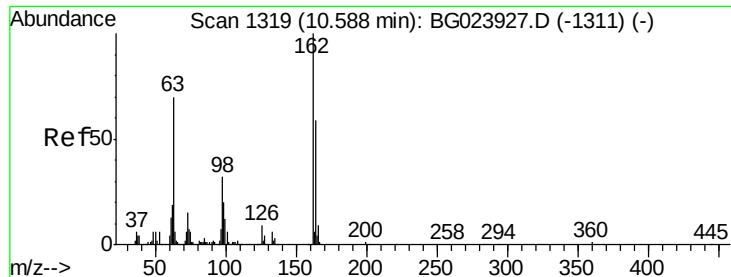
Tgt Ion	Ratio	Lower	Upper
122	100		
107	132.9	117.0	175.4
121	57.2	50.1	75.1



#28
 bis(2-Chloroethoxy)methane
 Concen: 47.05 ng
 RT: 10.29 min Scan# 1269
 Delta R.T. -0.04 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	28.5	25.4	38.2
123	9.6	8.2	12.2

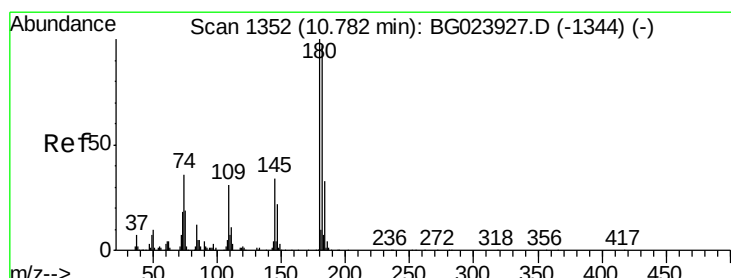
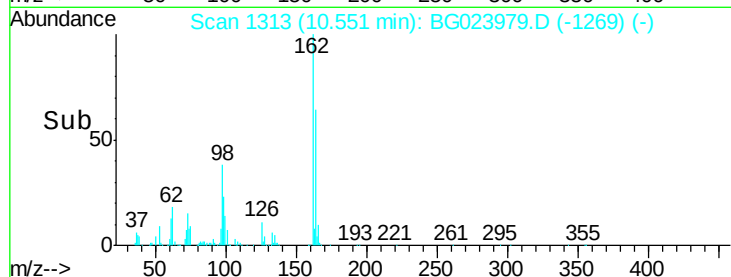
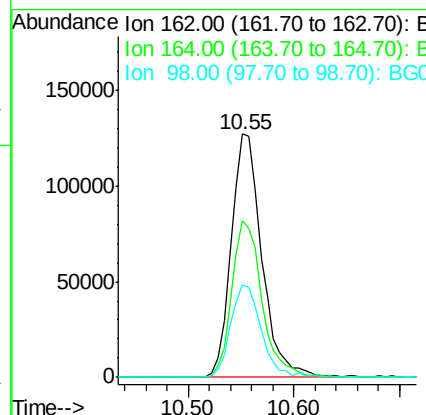
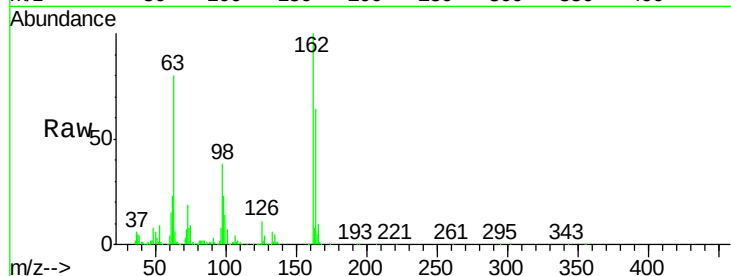




#29
2,4-Dichlorophenol
Concen: 51.87 ng
RT: 10.55 min Scan# 1313
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

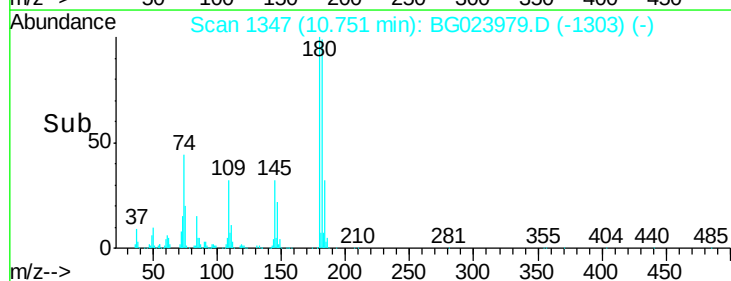
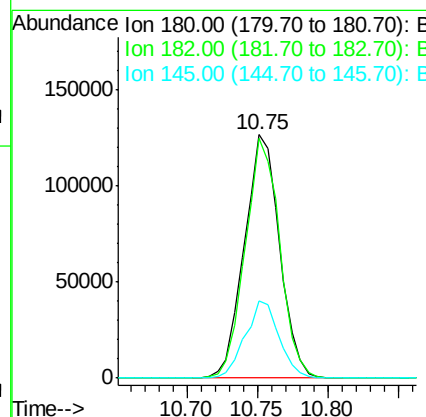
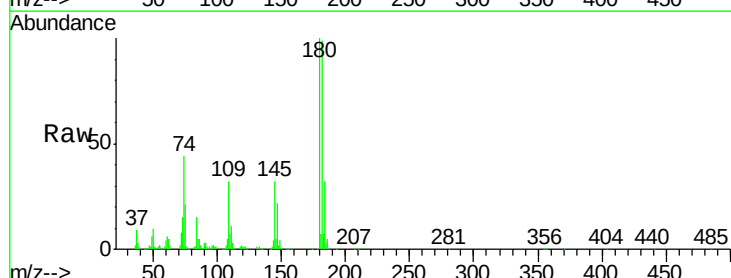
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

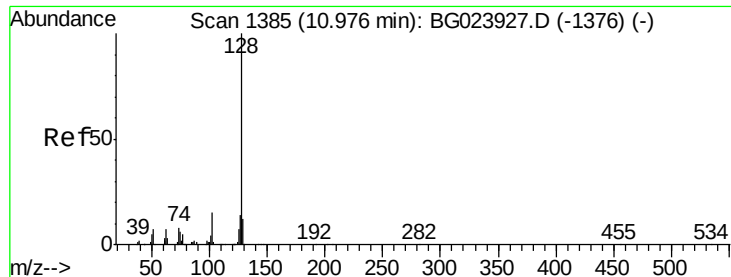
Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.3	84.3
98	37.8	19.5	59.5



#30
1,2,4-Trichlorobenzene
Concen: 41.20 ng
RT: 10.75 min Scan# 1347
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	73.8	110.8
145	31.6	24.4	36.6

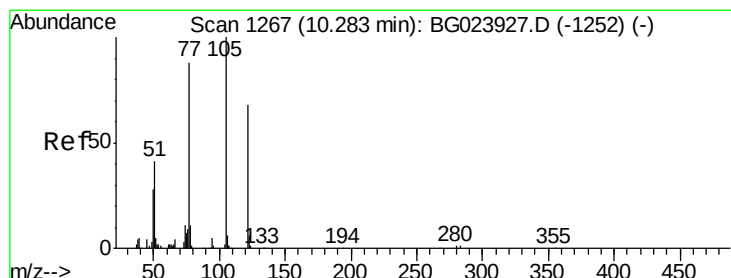
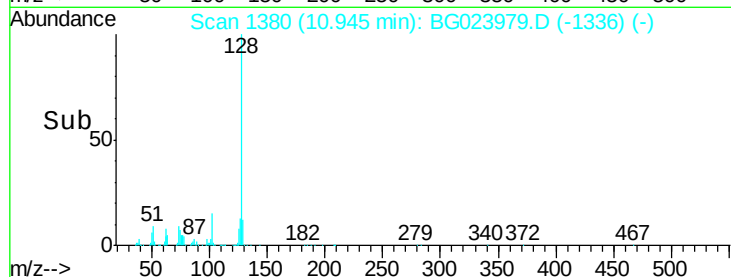
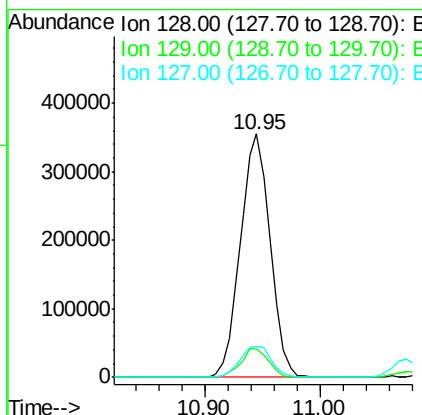
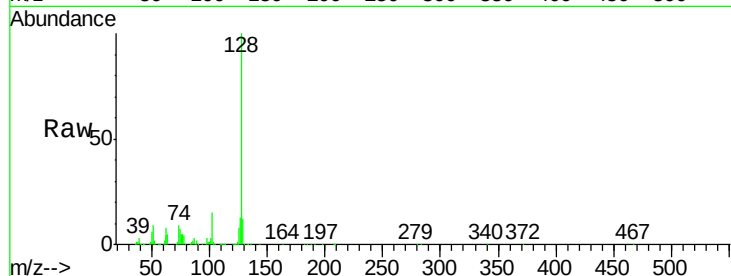




#31
Naphthalene
Concen: 41.38 ng
RT: 10.95 min Scan# 1380
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

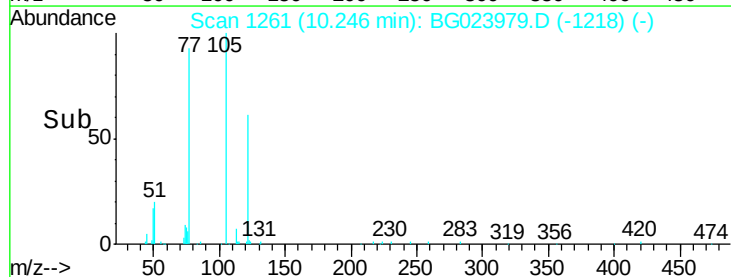
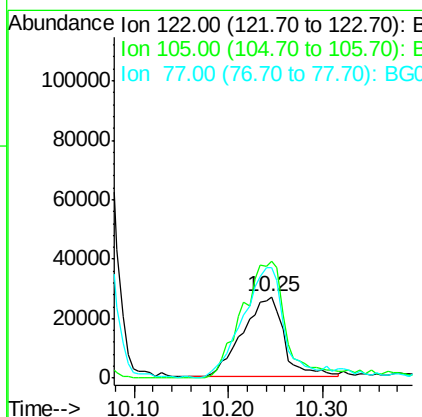
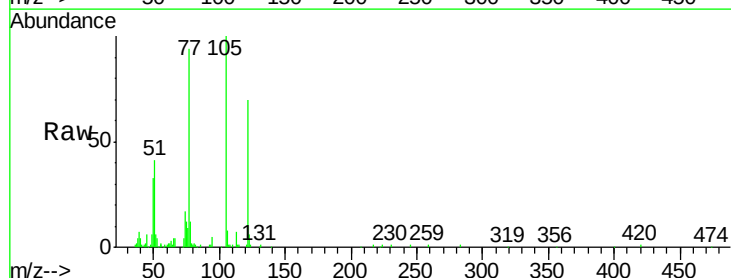
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

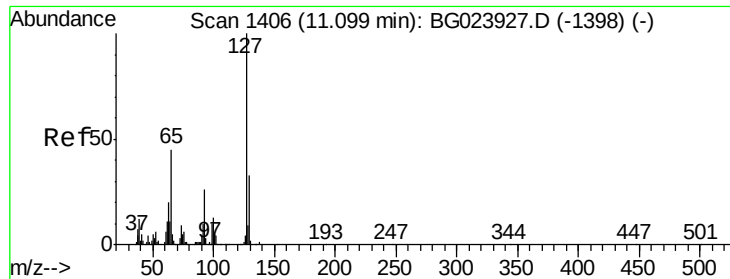
Tgt Ion:128 Resp: 632189
Ion Ratio Lower Upper
128 100
129 11.7 9.4 14.0
127 12.9 11.3 16.9



#32
Benzoic acid
Concen: 22.18 ng
RT: 10.25 min Scan# 1261
Delta R.T. -0.05 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion:122 Resp: 83119
Ion Ratio Lower Upper
122 100
105 143.5 117.2 157.2
77 135.2 109.2 149.2

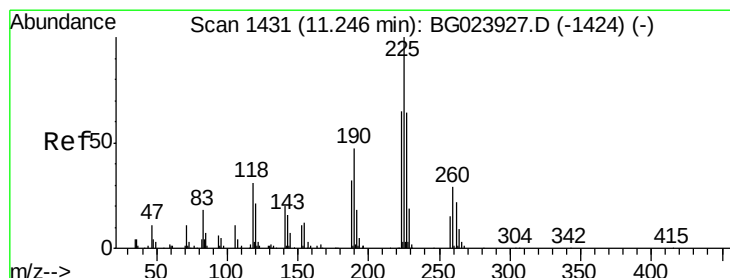
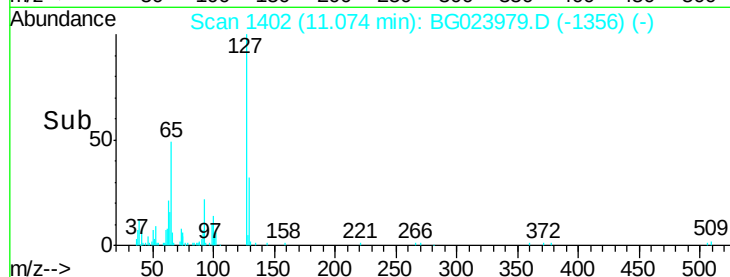
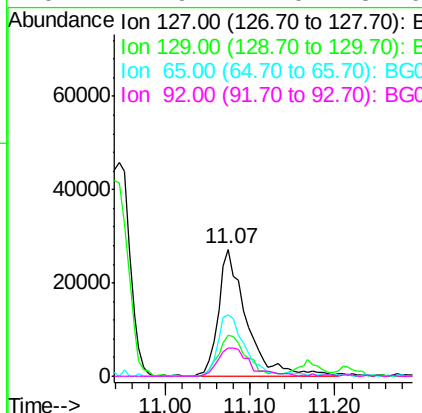
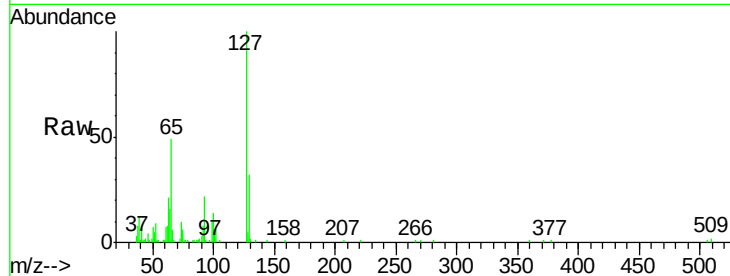




#33
4-Chloroaniline
Concen: 9.84 ng
RT: 11.07 min Scan# 1402
Delta R.T. -0.03 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

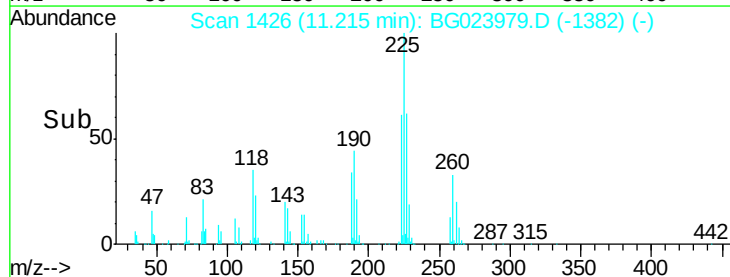
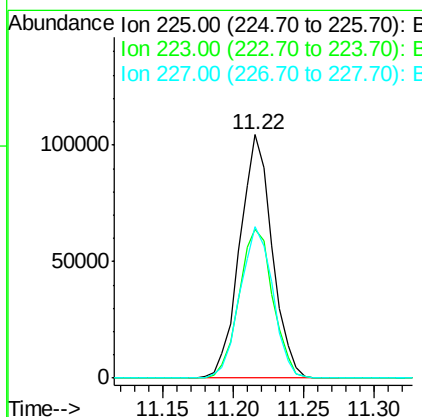
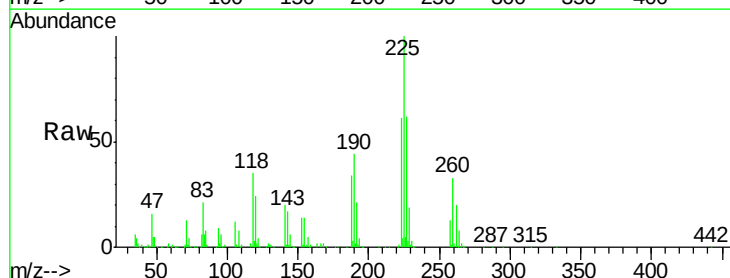
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

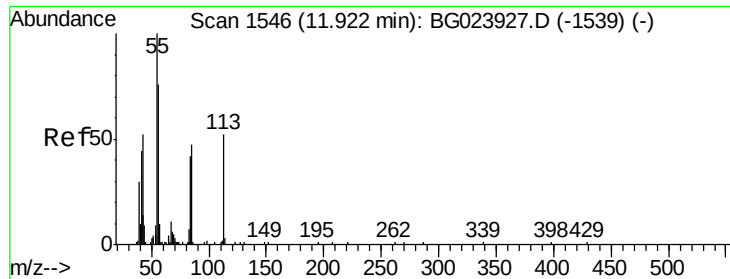
Tgt Ion:	127	Resp:	62783
Ion	Ratio	Lower	Upper
127	100		
129	32.5	27.9	41.9
65	48.9	36.8	55.2
92	21.9	21.0	31.6



#34
Hexachlorobutadiene
Concen: 41.57 ng
RT: 11.22 min Scan# 1426
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion:	225	Resp:	167402
Ion	Ratio	Lower	Upper
225	100		
223	61.3	49.6	74.4
227	62.0	54.5	81.7

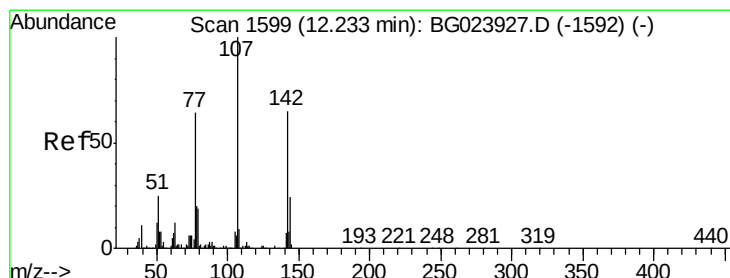
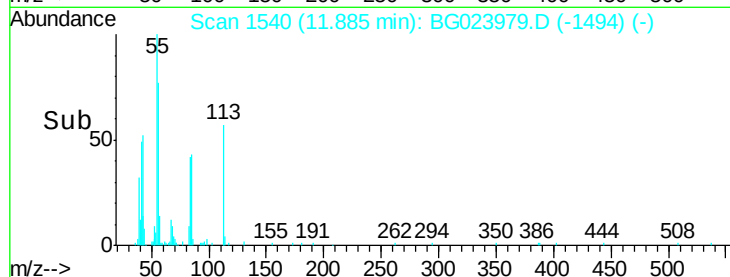
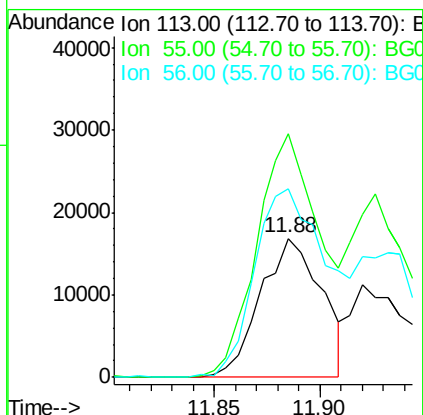
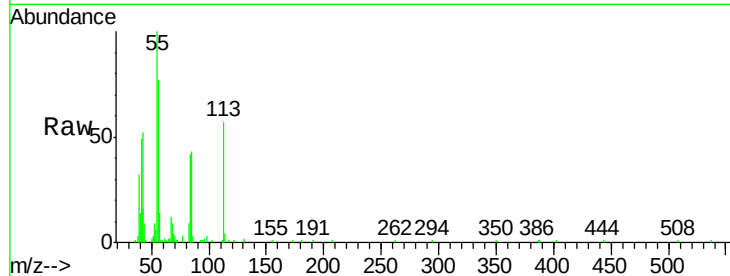




#35
 Caprolactam
 Concen: 19.75 ng
 RT: 11.88 min Scan# 1540
 Delta R.T. -0.03 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

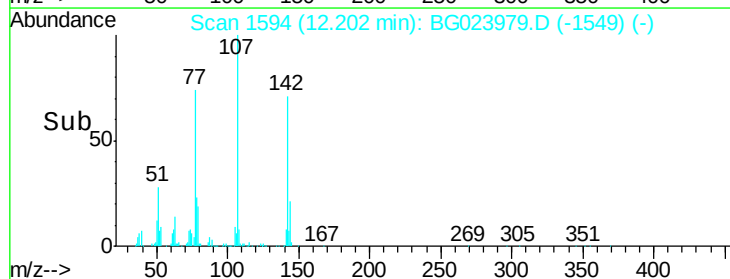
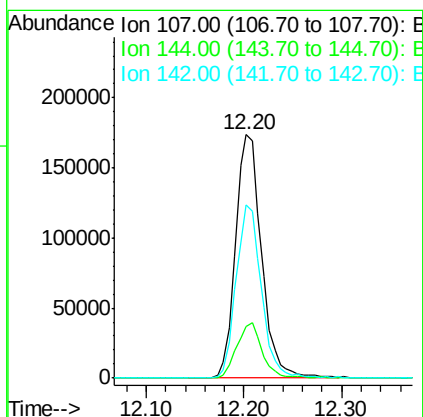
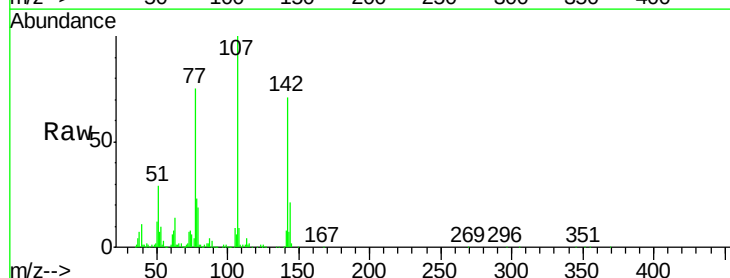
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

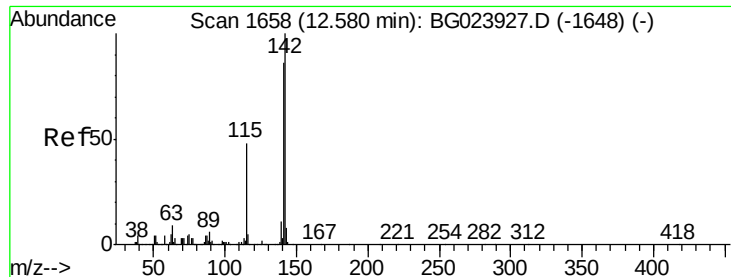
Tgt Ion:113 Resp: 34023
 Ion Ratio Lower Upper
 113 100
 55 174.9 154.5 194.5
 56 135.0 125.1 165.1



#36
 4-Chloro-3-methylphenol
 Concen: 49.07 ng
 RT: 12.20 min Scan# 1594
 Delta R.T. -0.04 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Tgt Ion:107 Resp: 320508
 Ion Ratio Lower Upper
 107 100
 144 21.3 17.0 25.6
 142 71.2 53.0 79.6

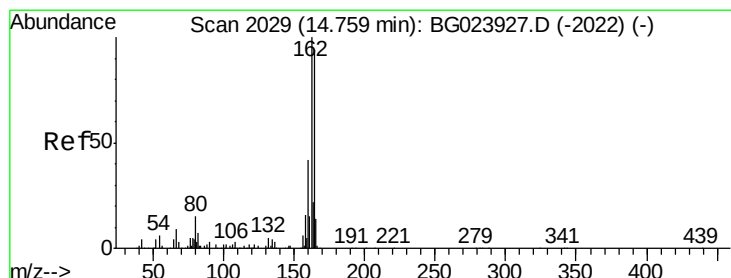
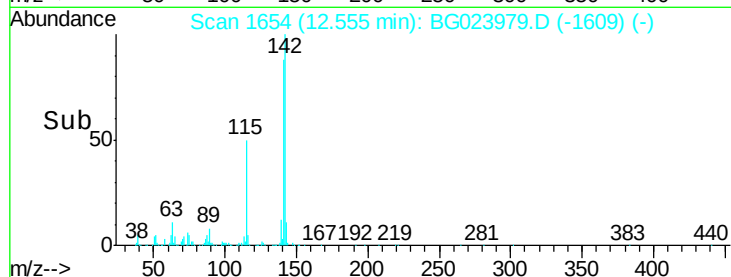
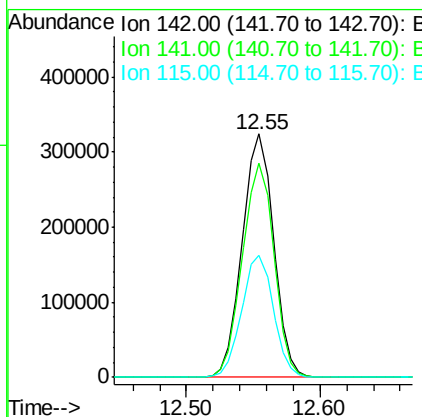
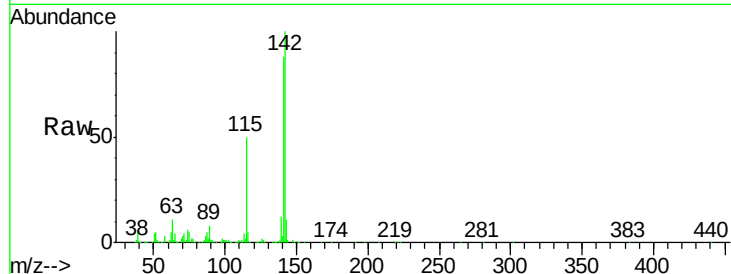




#37
 2-Methylnaphthalene
 Concen: 45.43 ng
 RT: 12.55 min Scan# 1654
 Delta R.T. -0.04 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

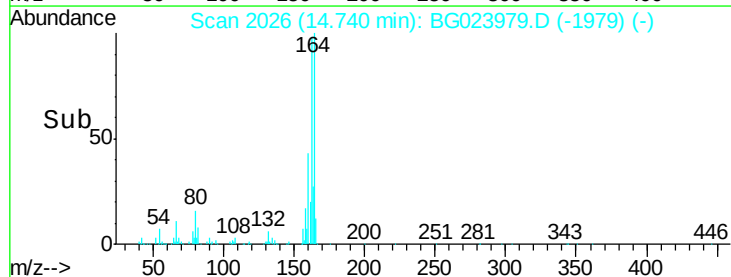
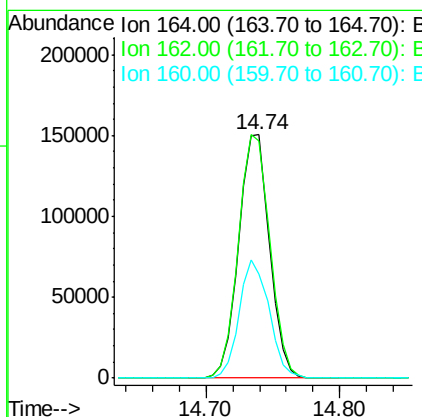
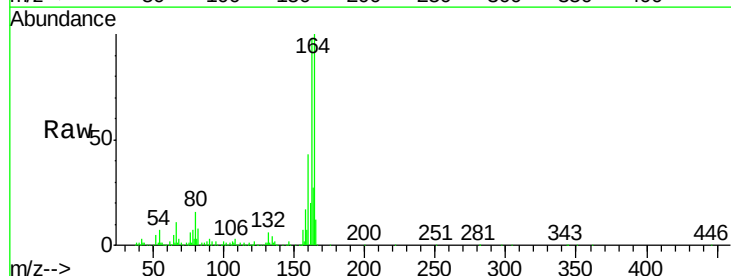
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

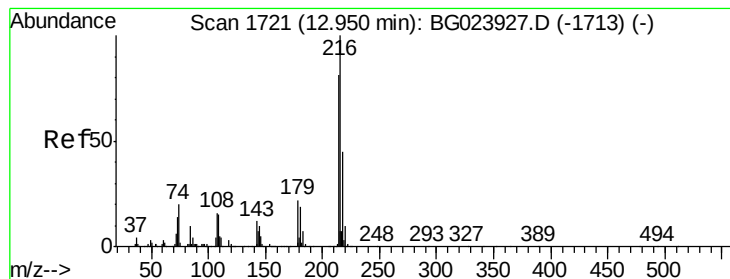
Tgt Ion:142 Resp: 527912
 Ion Ratio Lower Upper
 142 100
 141 87.8 70.2 105.2
 115 50.2 41.7 62.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.74 min Scan# 2026
 Delta R.T. -0.03 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Tgt Ion:164 Resp: 239826
 Ion Ratio Lower Upper
 164 100
 162 97.7 87.7 131.5
 160 42.8 37.2 55.8





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.96 ng

RT: 12.92 min Scan# 1716

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

Tgt Ion:216 Resp: 302214

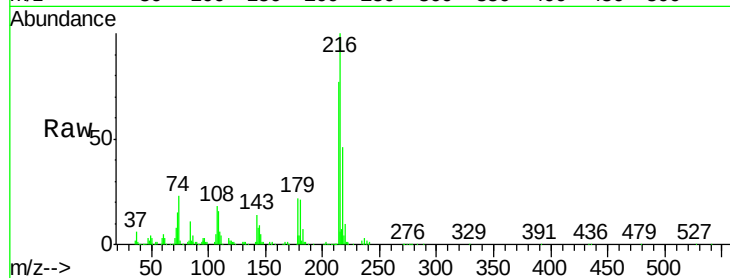
Ion Ratio Lower Upper

216 100

214 79.3 62.9 94.3

179 21.3 17.2 25.8

108 22.6 16.3 24.5

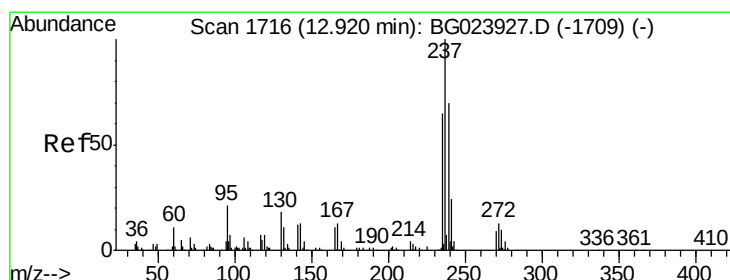
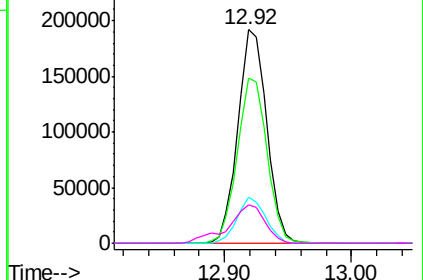
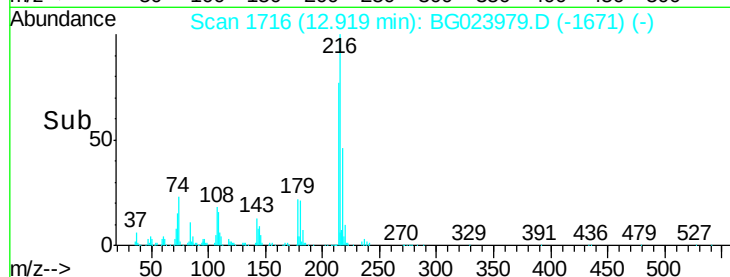


Abundance Ion 216.00 (215.70 to 216.70): E

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: 71.23 ng

RT: 12.89 min Scan# 1711

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

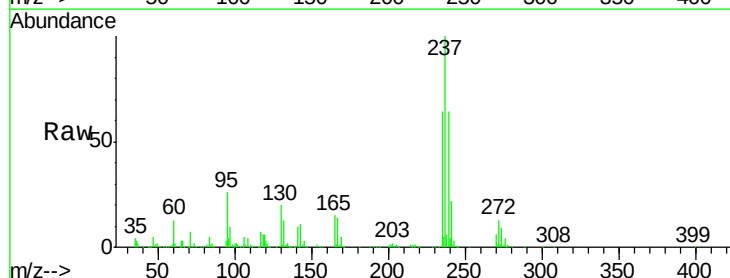
Tgt Ion:237 Resp: 337562

Ion Ratio Lower Upper

237 100

235 63.7 43.1 83.1

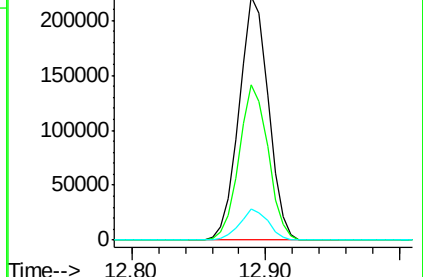
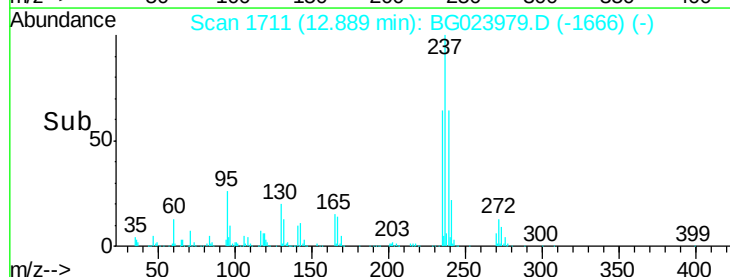
272 12.6 0.0 30.9

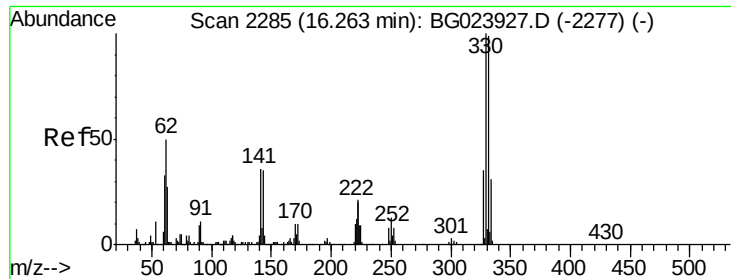


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

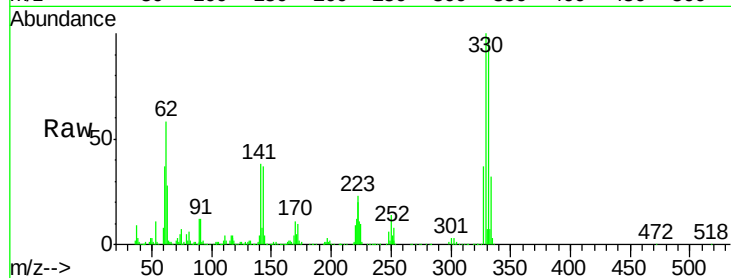




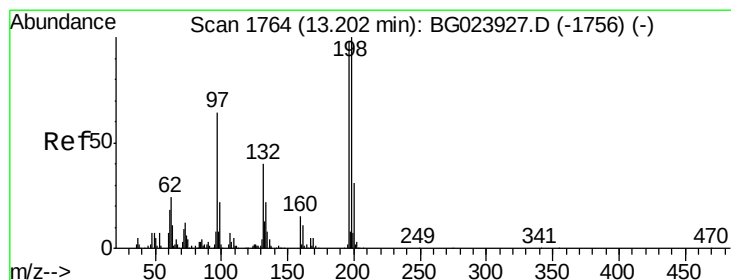
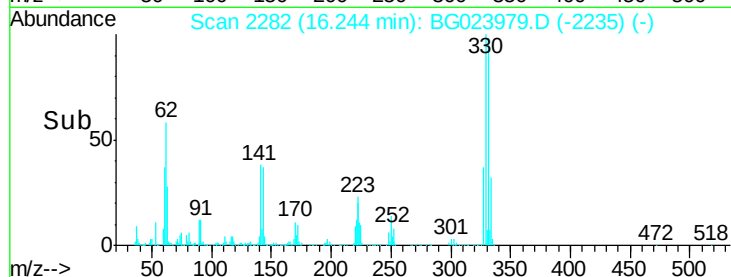
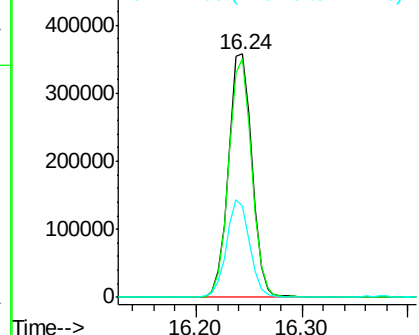
#41
 2,4,6-Tribromophenol
 Concen: 127.33 ng
 RT: 16.24 min Scan# 2282
 Delta R.T. -0.03 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.2
141	39.7	31.7	47.5

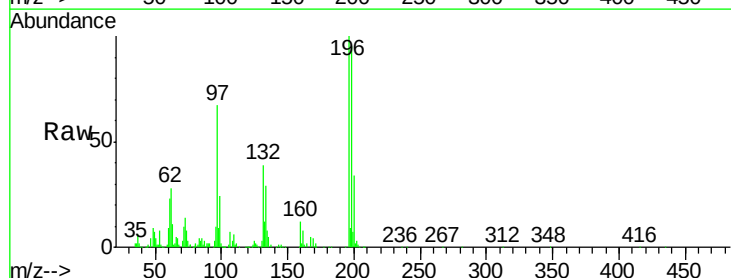


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

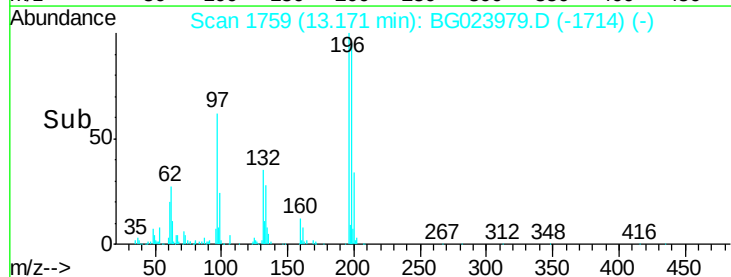
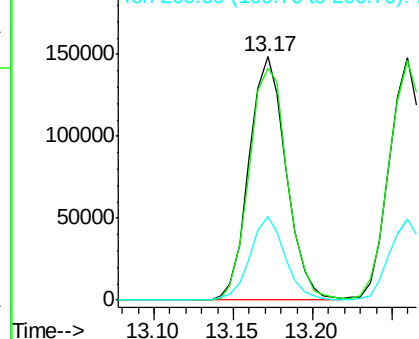


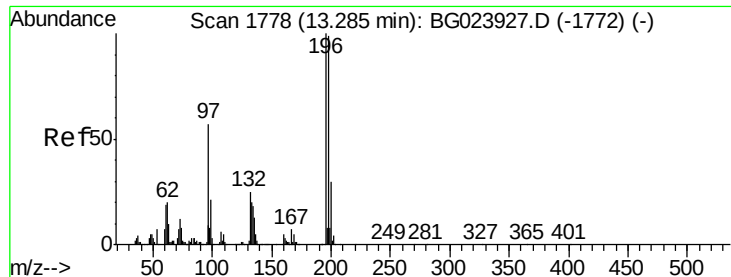
#42
 2,4,6-Trichlorophenol
 Concen: 45.61 ng
 RT: 13.17 min Scan# 1759
 Delta R.T. -0.04 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.1	78.2	117.2
200	34.3	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

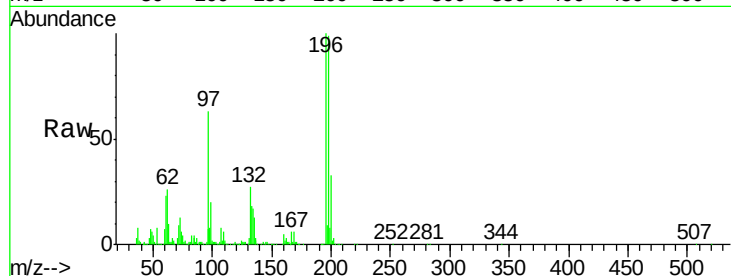




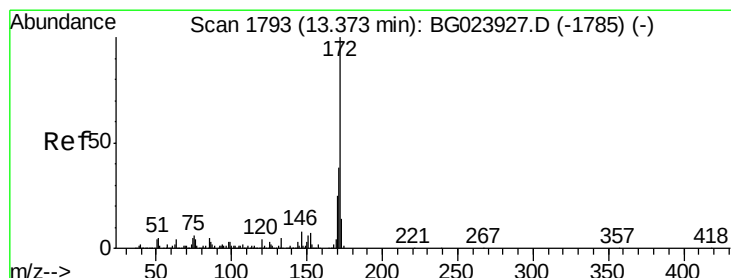
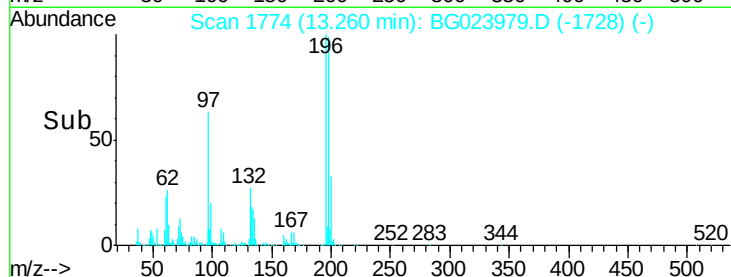
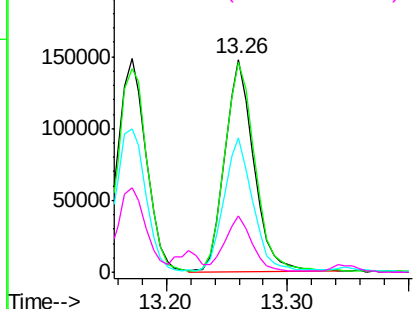
#43
2,4,5-Trichlorophenol
Concen: 45.86 ng
RT: 13.26 min Scan# 1774
Delta R.T. -0.03 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

Tgt Ion	Ratio	Lower	Upper
196	100		
198	98.7	85.7	128.5
97	63.2	45.5	68.3
132	26.5	18.9	28.3

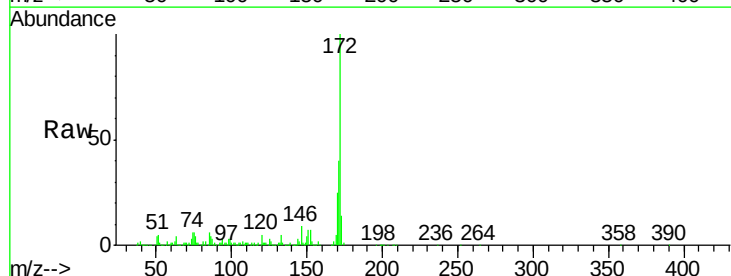


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BGC
Ion 132.00 (131.70 to 132.70): E

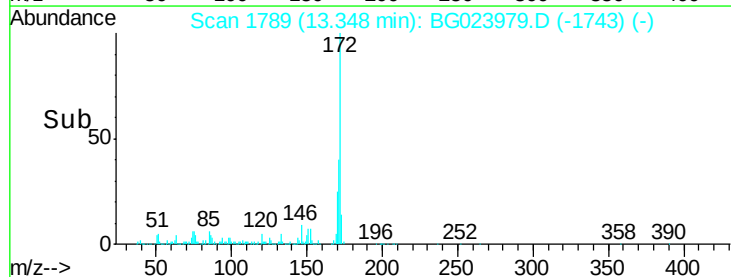
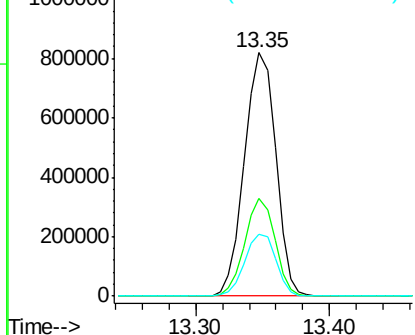


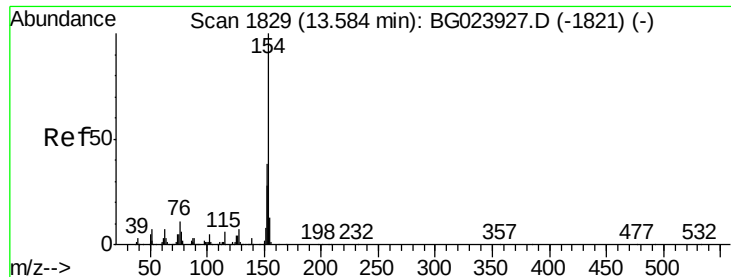
#44
2-Fluorobiphenyl
Concen: 79.39 ng
RT: 13.35 min Scan# 1789
Delta R.T. -0.03 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.9	31.6	47.4
170	25.4	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

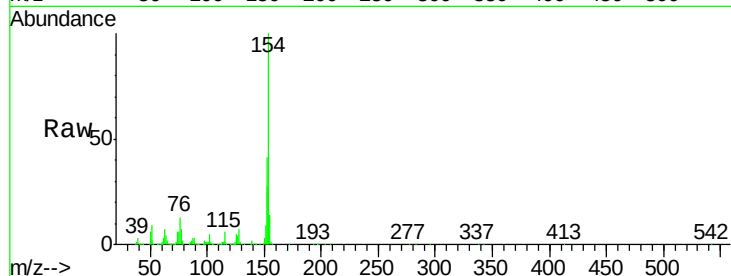




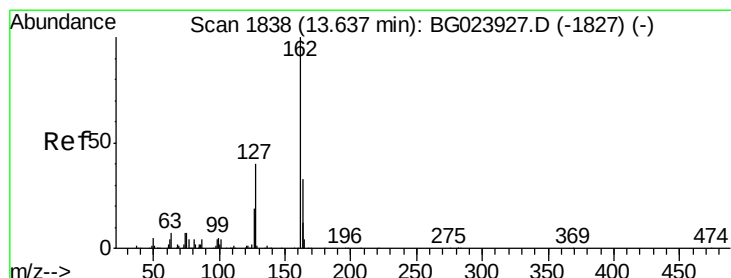
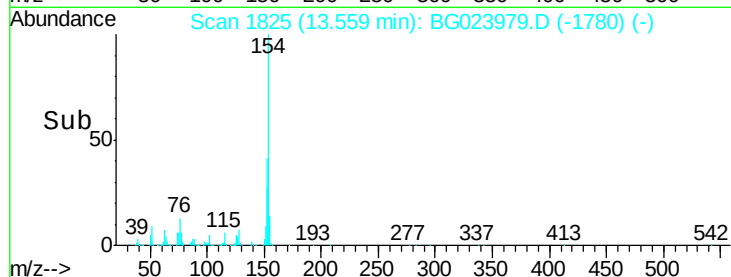
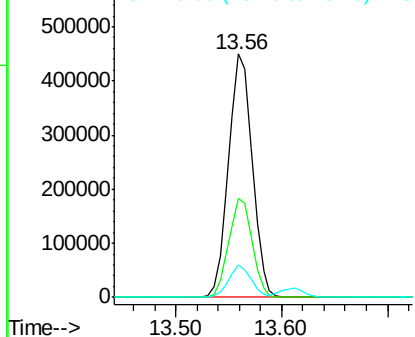
#45
 1,1'-Biphenyl
 Concen: 35.99 ng
 RT: 13.56 min Scan# 1825
 Delta R.T. -0.04 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.2	60.2
76	13.1	0.0	32.9

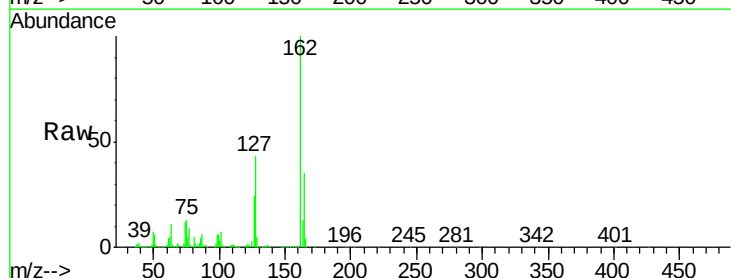


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

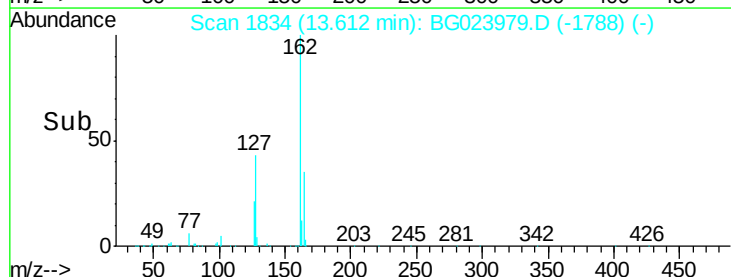
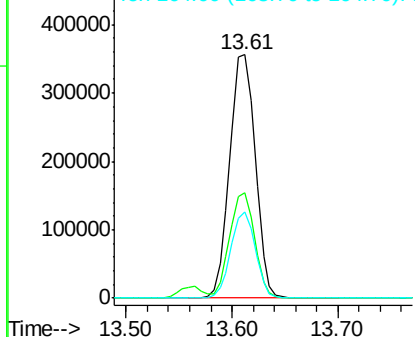


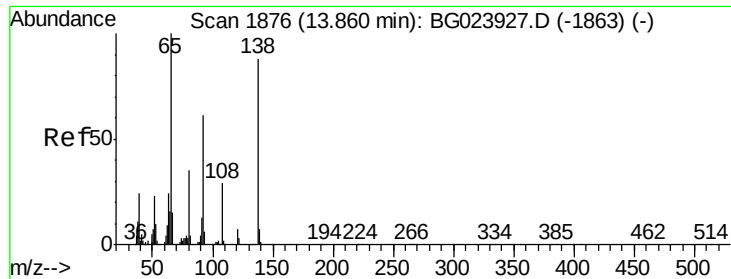
#46
 2-Chloronaphthalene
 Concen: 42.10 ng
 RT: 13.61 min Scan# 1834
 Delta R.T. -0.03 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Tgt Ion	Ratio	Lower	Upper
162	100		
127	43.5	32.4	48.6
164	35.4	25.2	37.8



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





#47

2-Nitroaniline

Concen: 50.38 ng

RT: 13.83 min Scan# 1871

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

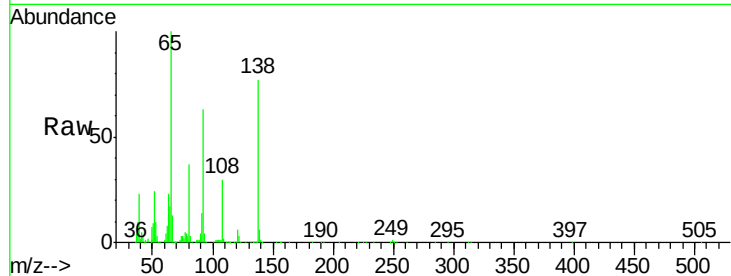
Tgt Ion: 65 Resp: 281012

Ion Ratio Lower Upper

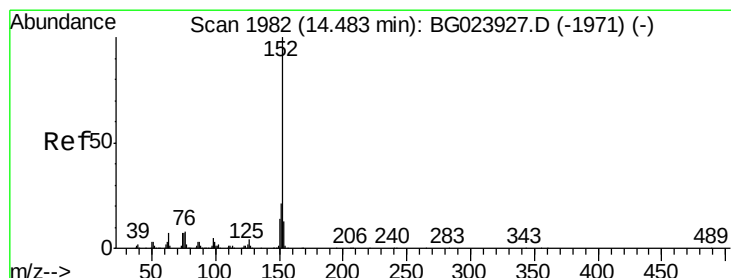
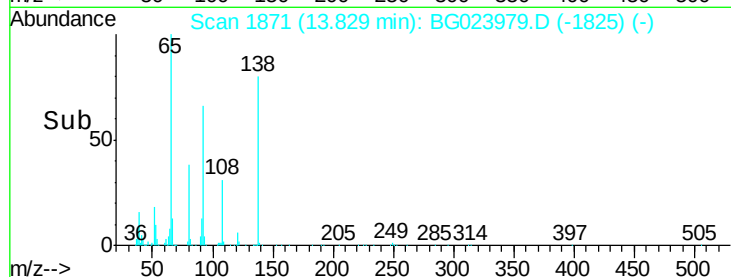
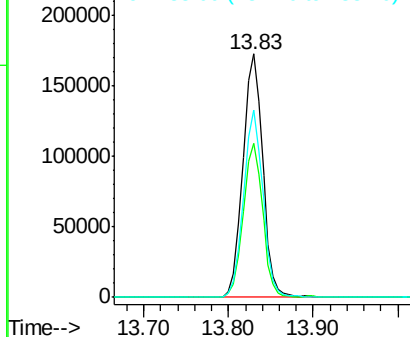
65 100

92 63.2 49.4 74.0

138 76.7 58.0 87.0



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#48

Acenaphthylene

Concen: 41.21 ng

RT: 14.46 min Scan# 1978

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

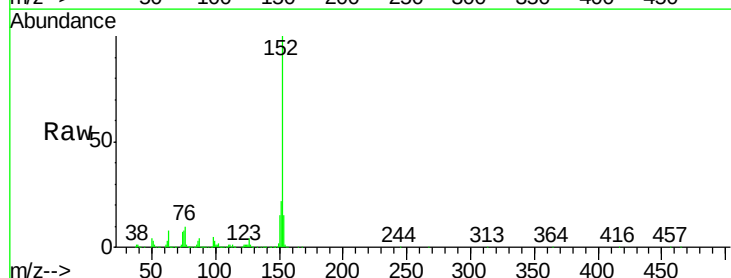
Tgt Ion: 152 Resp: 972851

Ion Ratio Lower Upper

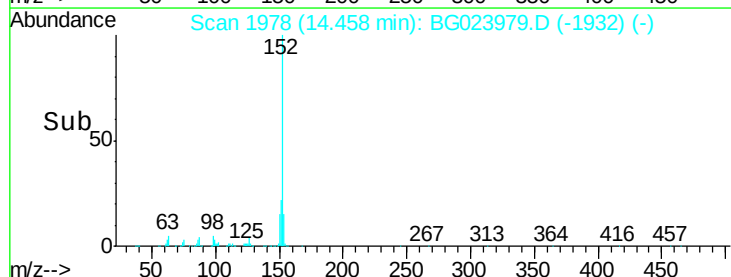
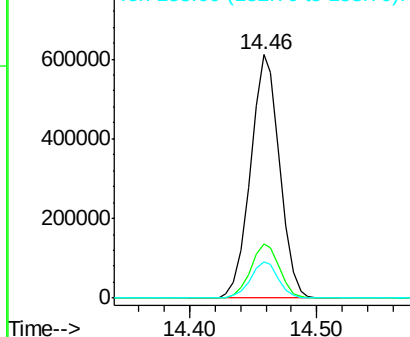
152 100

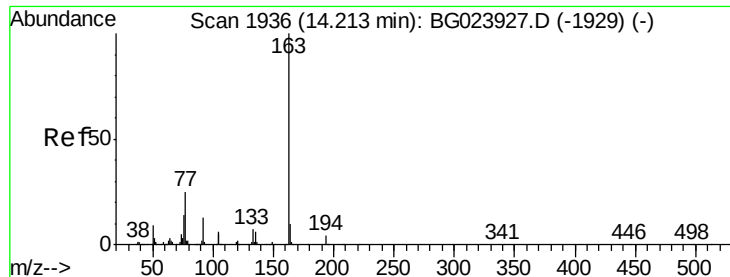
151 22.3 17.6 26.4

153 14.7 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): BGC
Ion 151.00 (150.70 to 151.70): BGC
Ion 153.00 (152.70 to 153.70): BGC





#49

Dimethylphthalate

Concen: 42.28 ng

RT: 14.19 min Scan# 1933

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

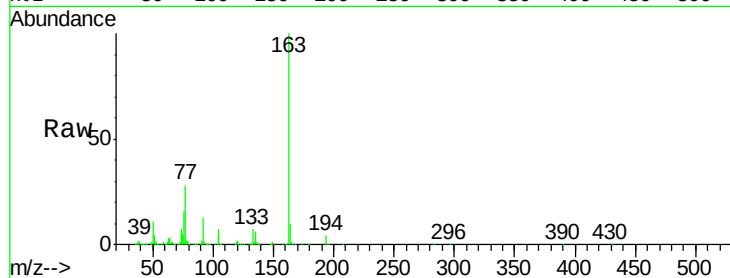
Tgt Ion:163 Resp: 869569

Ion Ratio Lower Upper

163 100

194 4.4 3.6 5.4

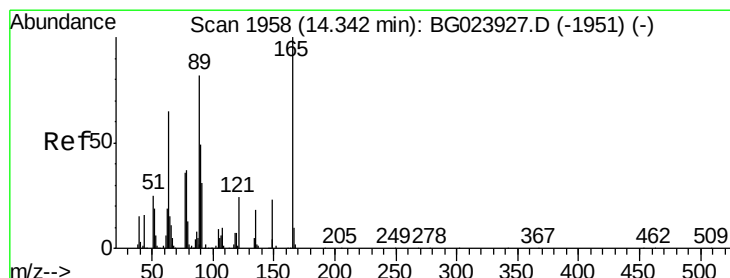
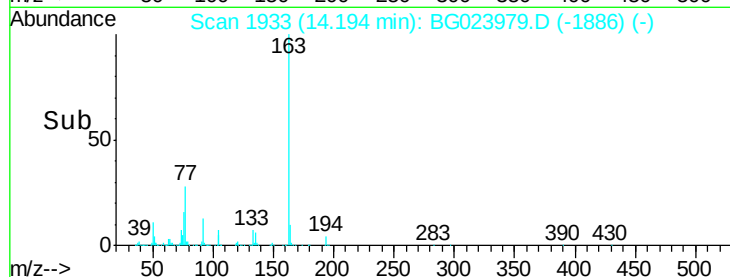
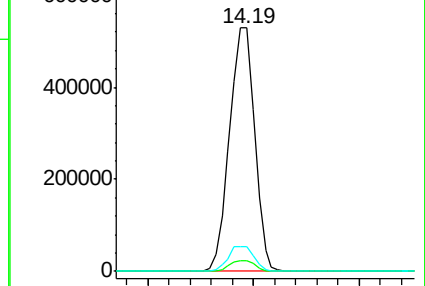
164 9.9 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 44.41 ng

RT: 14.32 min Scan# 1954

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

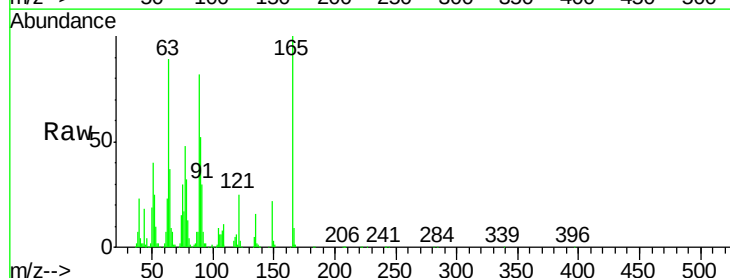
Tgt Ion:165 Resp: 192804

Ion Ratio Lower Upper

165 100

63 88.5 64.3 96.5

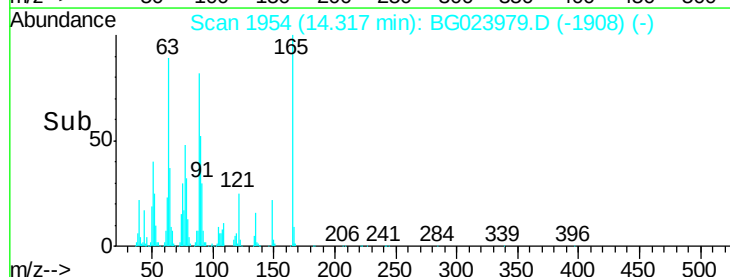
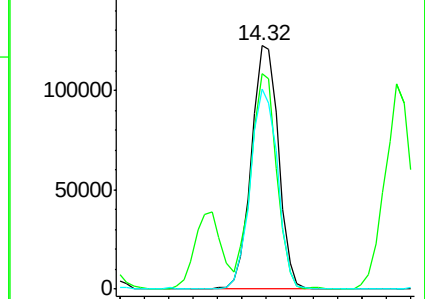
89 82.1 64.3 96.5

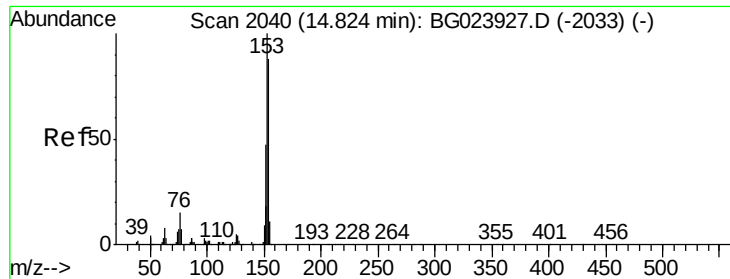


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 43.02 ng

RT: 14.80 min Scan# 2037

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

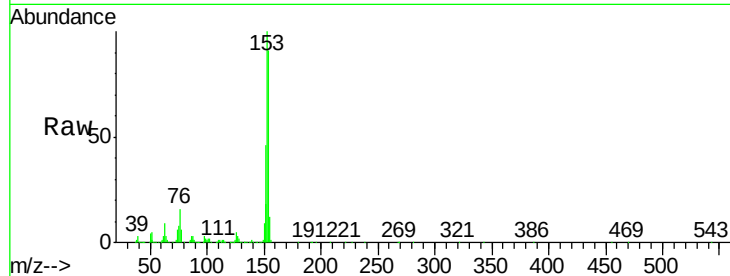
Tgt Ion:154 Resp: 627863

Ion Ratio Lower Upper

154 100

153 110.4 87.5 131.3

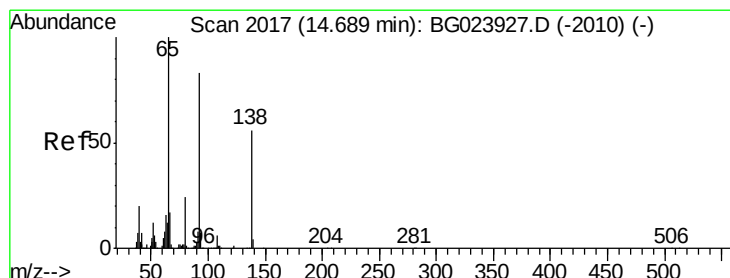
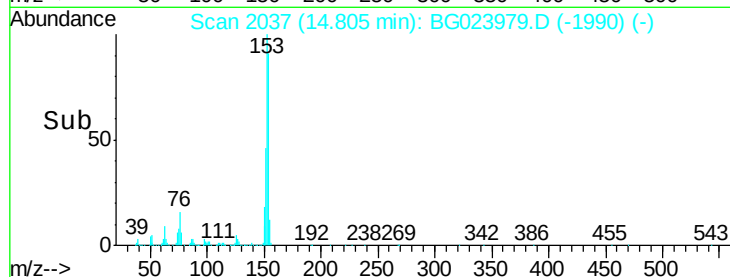
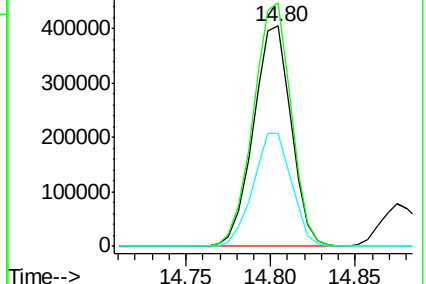
152 51.2 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 24.74 ng

RT: 14.66 min Scan# 2012

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

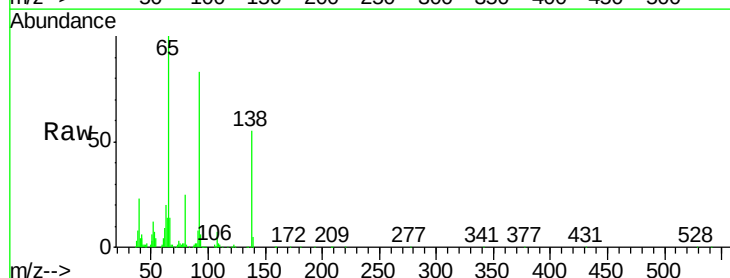
Tgt Ion:138 Resp: 100451

Ion Ratio Lower Upper

138 100

108 13.3 11.7 17.5

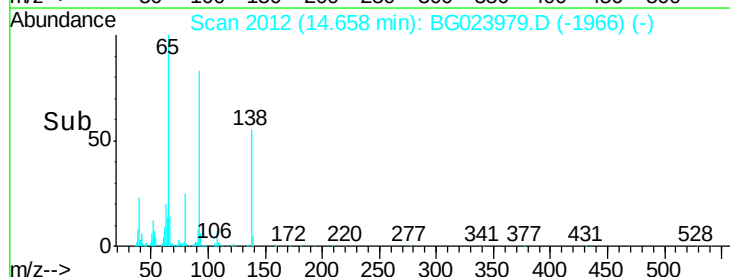
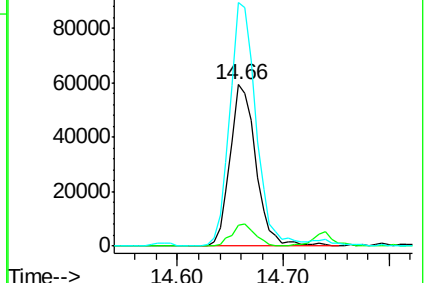
92 151.0 129.7 194.5

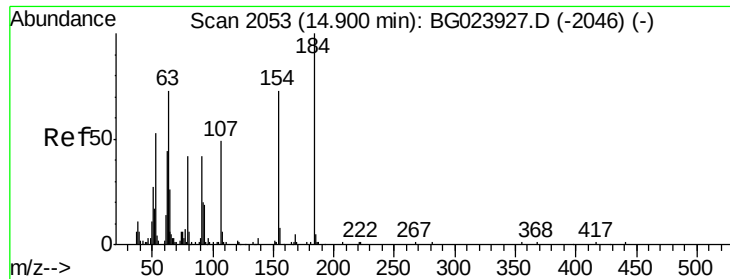


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

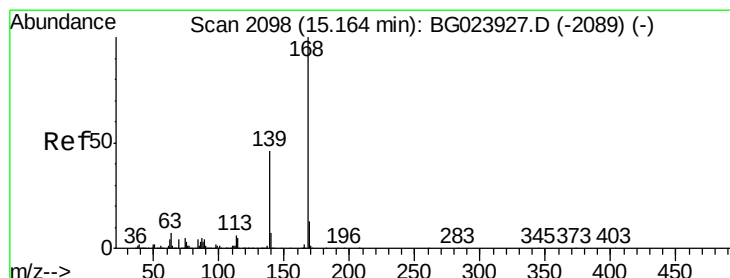
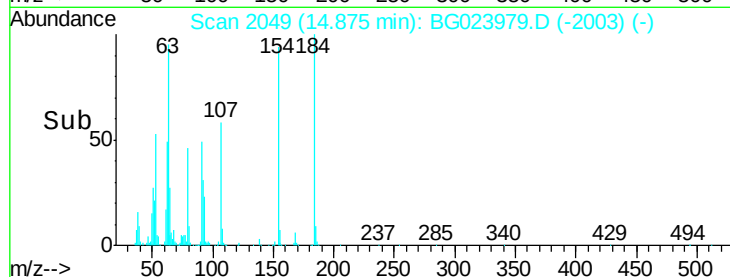
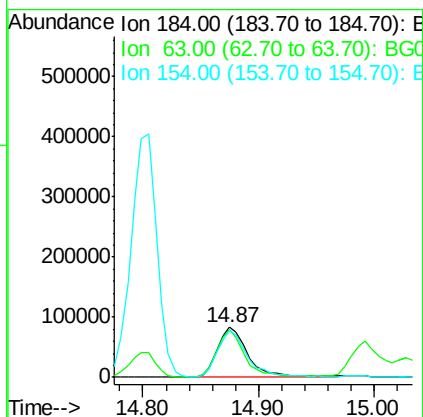
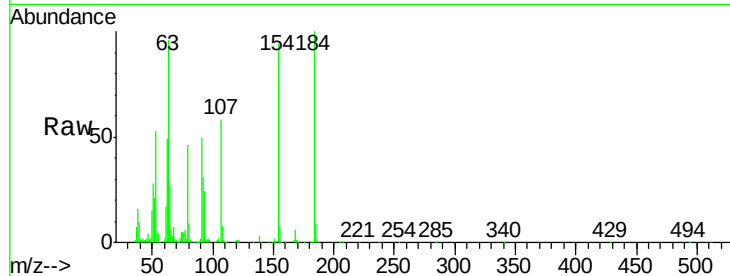




#53
2,4-Dinitrophenol
Concen: 51.01 ng
RT: 14.87 min Scan# 2049
Delta R.T. -0.03 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

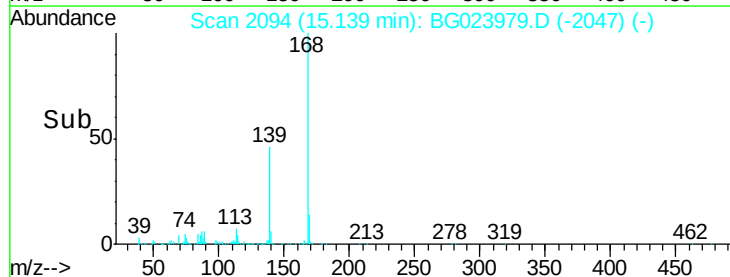
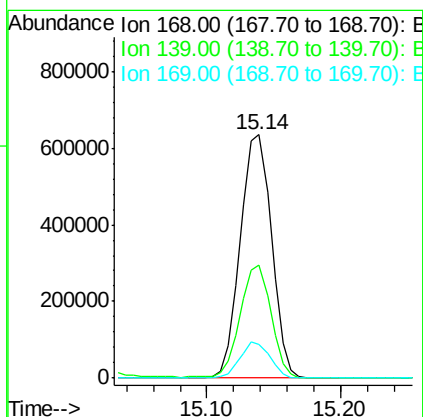
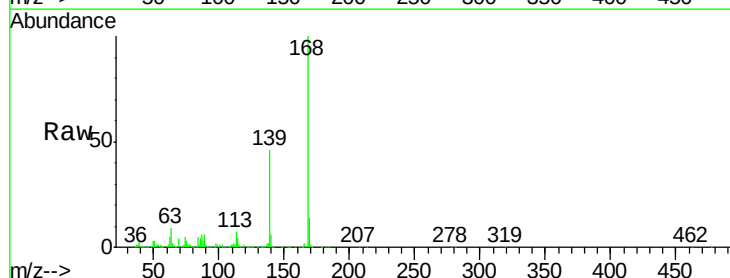
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

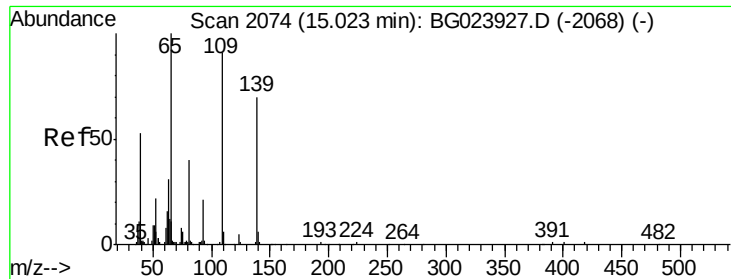
Tgt Ion:184 Resp: 153726
Ion Ratio Lower Upper
184 100
63 95.6 59.6 89.4#
154 93.5 67.4 101.0



#54
Dibenzofuran
Concen: 45.16 ng
RT: 15.14 min Scan# 2094
Delta R.T. -0.03 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion:168 Resp: 1028701
Ion Ratio Lower Upper
168 100
139 46.2 36.4 54.6
169 14.1 11.9 17.9

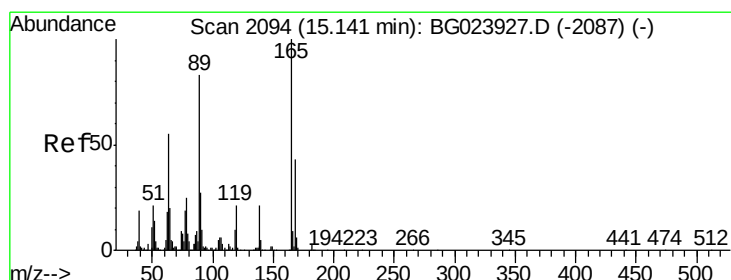
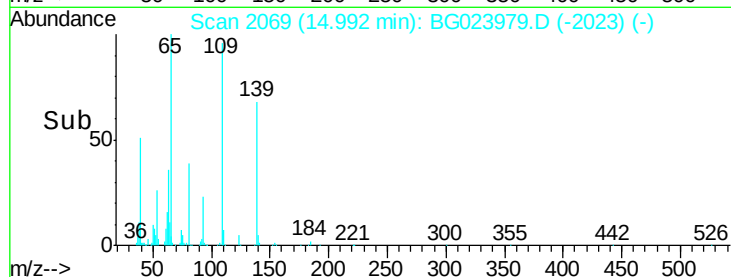
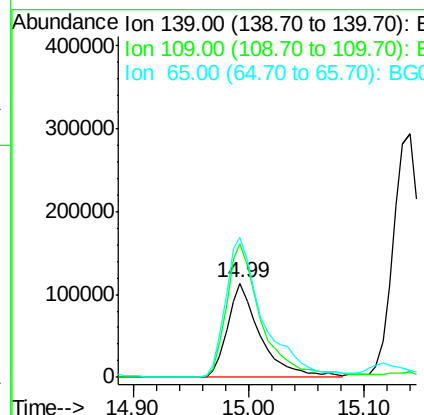
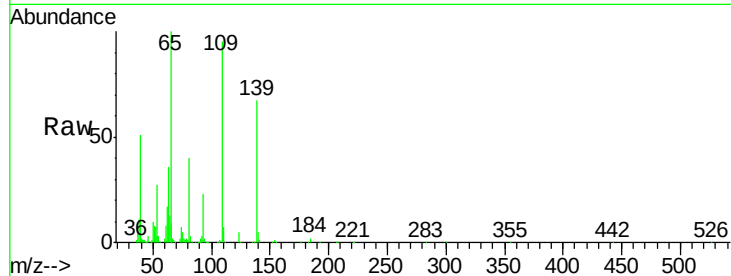




#55
4-Nitrophenol
Concen: 69.72 ng
RT: 14.99 min Scan# 2069
Delta R.T. -0.03 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

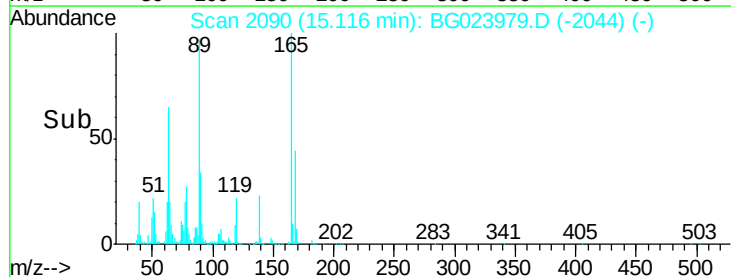
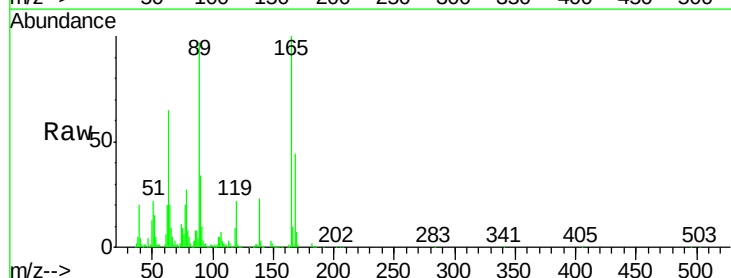
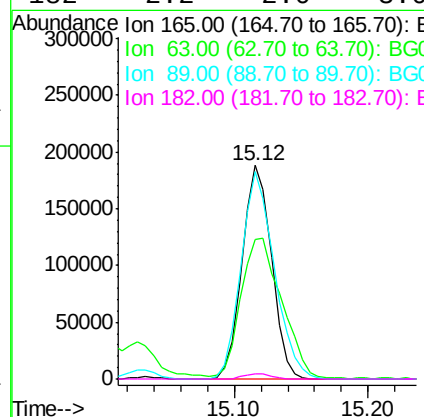
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

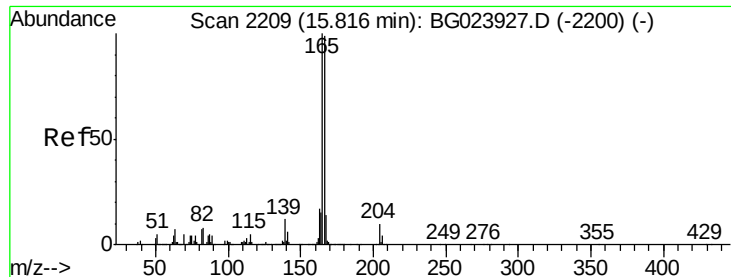
Tgt Ion	Ratio	Lower	Upper
139	100		
109	141.2	103.0	143.0
65	148.8	112.7	152.7



#56
2,4-Dinitrotoluene
Concen: 44.79 ng
RT: 15.12 min Scan# 2090
Delta R.T. -0.03 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	65.2	45.8	68.6
89	97.3	68.6	102.8
182	2.2	2.0	3.0

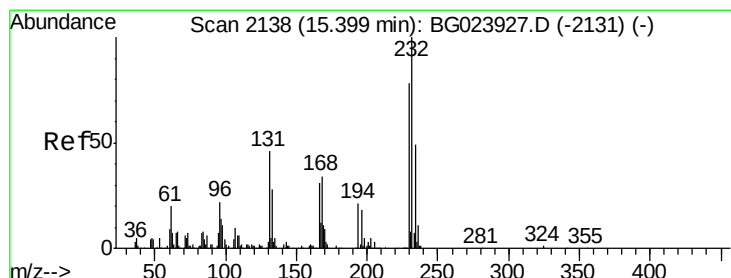
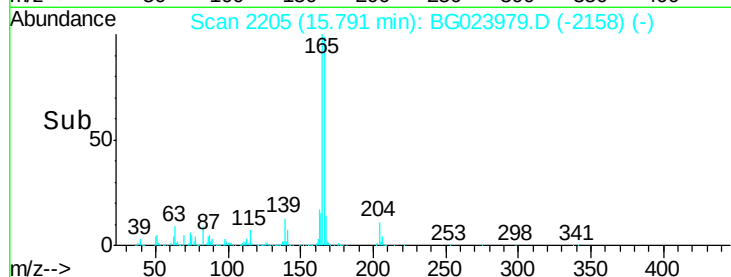
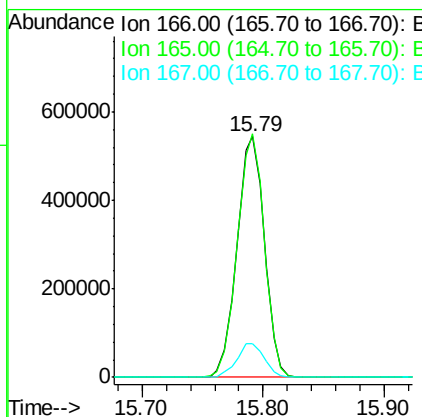
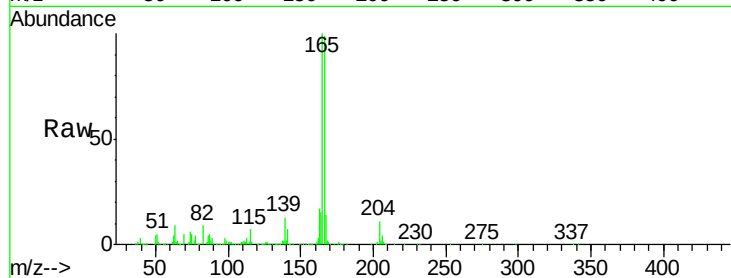




#57
 Fluorene
 Concen: 43.62 ng
 RT: 15.79 min Scan# 2205
 Delta R.T. -0.03 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

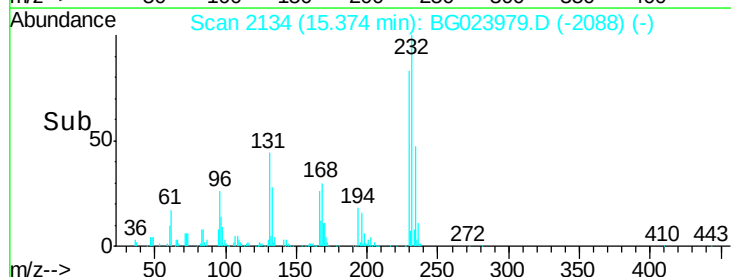
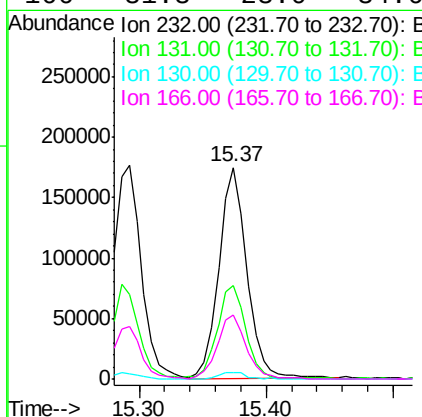
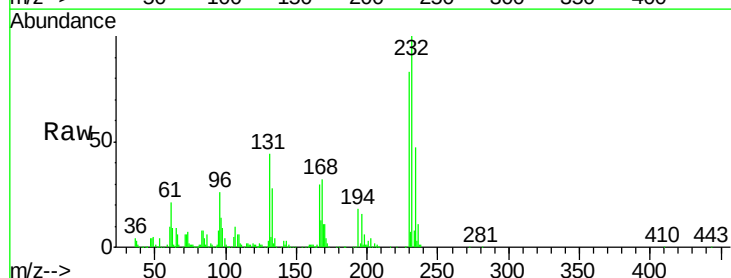
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

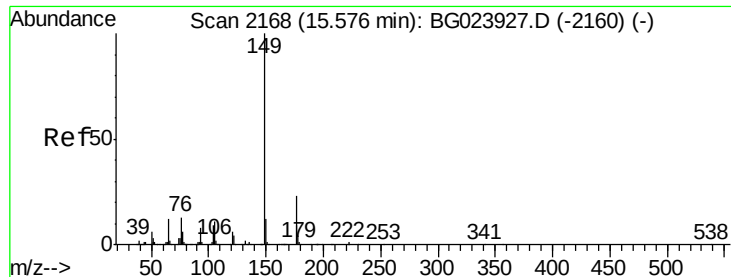
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.0	81.0	121.6
167	14.1	12.0	18.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 48.61 ng
 RT: 15.37 min Scan# 2134
 Delta R.T. -0.03 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Tgt Ion	Ratio	Lower	Upper
232	100		
131	44.7	32.7	49.1
130	3.1	2.6	3.8
166	31.3	23.0	34.6





#59

Diethylphthalate

Concen: 42.46 ng

RT: 15.55 min Scan# 2164

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

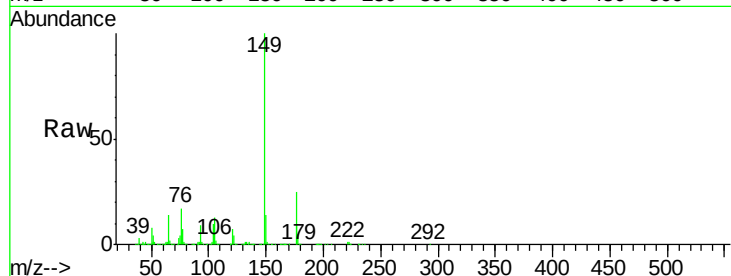
Tgt Ion:149 Resp: 932131

Ion Ratio Lower Upper

149 100

177 24.8 19.2 28.8

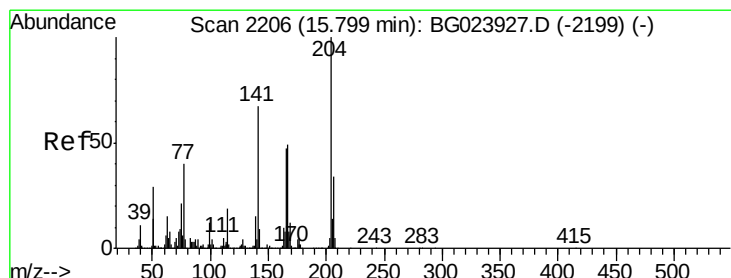
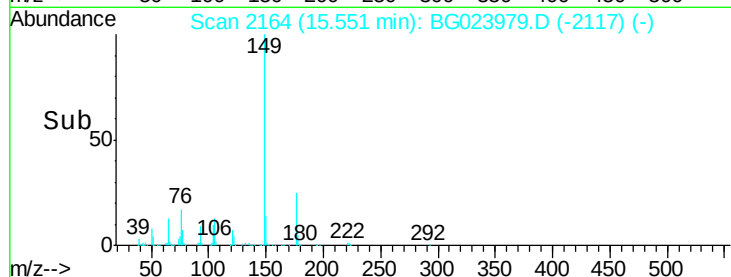
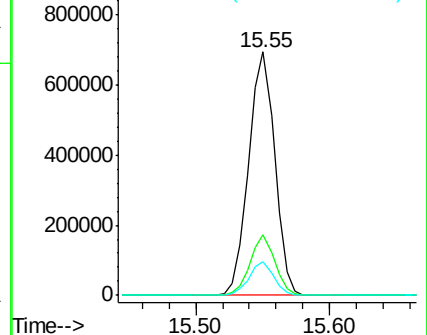
150 14.1 10.6 16.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 44.19 ng

RT: 15.77 min Scan# 2202

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

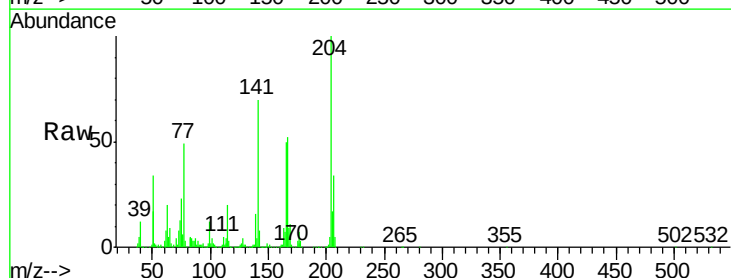
Tgt Ion:204 Resp: 469823

Ion Ratio Lower Upper

204 100

206 34.3 28.5 42.7

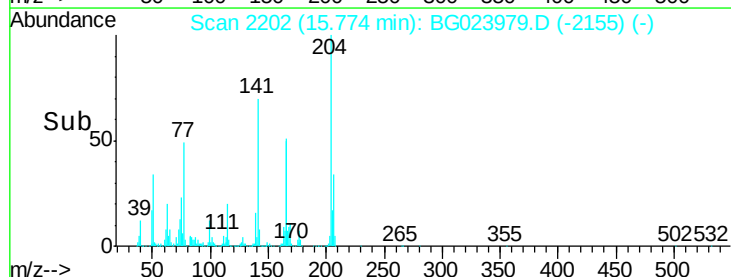
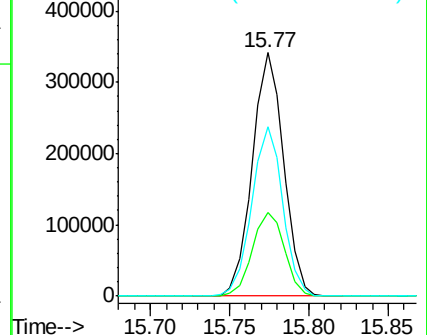
141 69.5 51.4 77.0

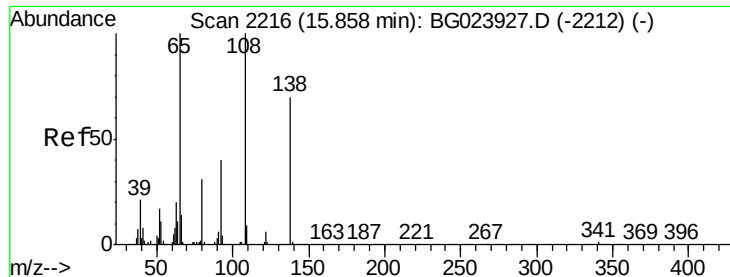


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

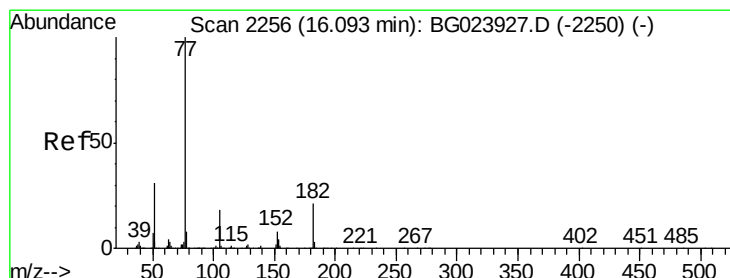
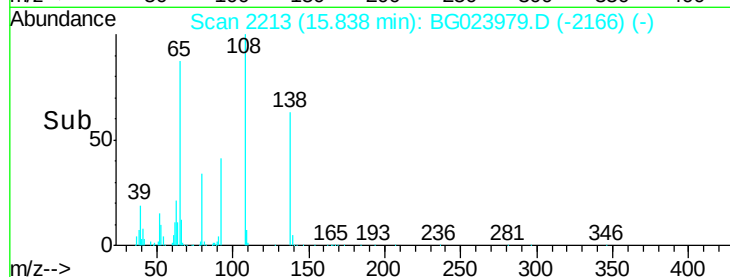
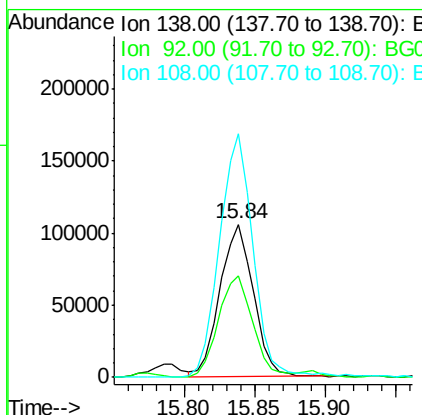
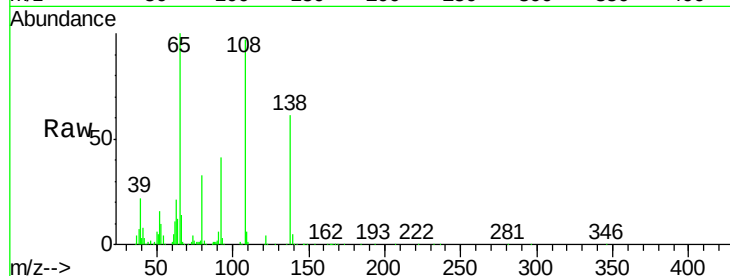




#61
4-Nitroaniline
Concen: 42.33 ng
RT: 15.84 min Scan# 2213
Delta R.T. -0.03 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

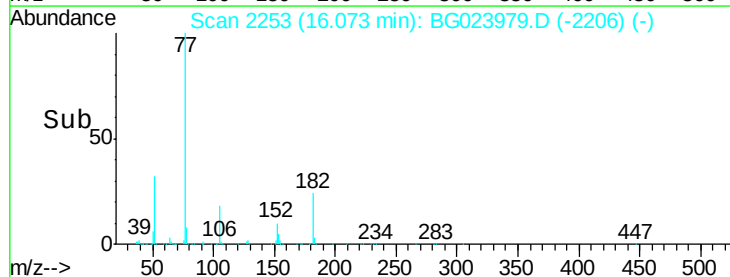
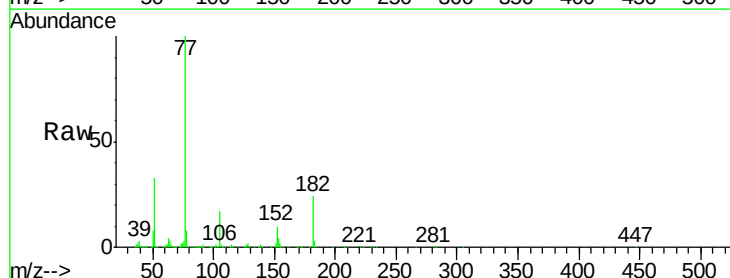
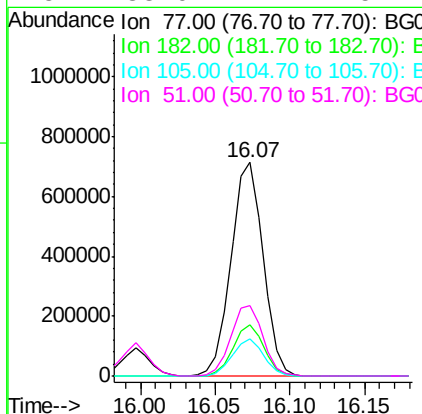
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

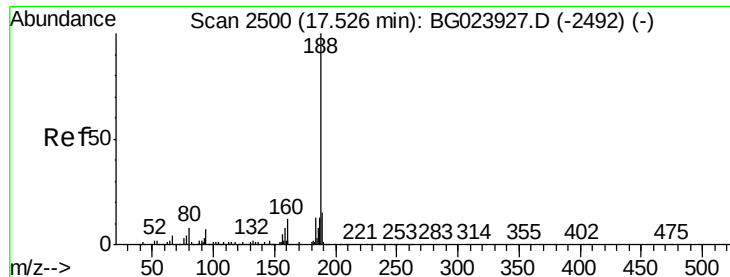
Tgt Ion:138 Resp: 173754
Ion Ratio Lower Upper
138 100
92 66.7 54.1 94.1
108 159.1 133.9 173.9



#62
Azobenzene
Concen: 50.25 ng
RT: 16.07 min Scan# 2253
Delta R.T. -0.03 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion: 77 Resp: 1068466
Ion Ratio Lower Upper
77 100
182 23.9 3.5 43.5
105 17.5 0.0 38.5
51 33.0 17.1 57.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.50 min Scan# 2496

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

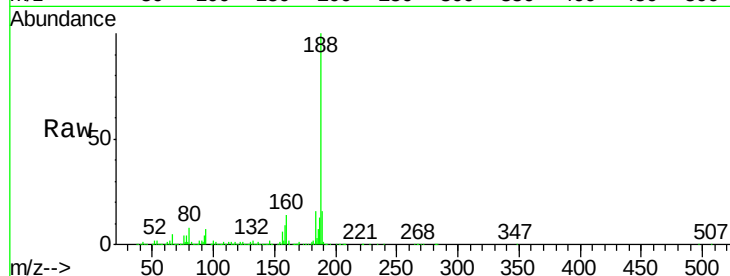
Tgt Ion:188 Resp: 607195

Ion Ratio Lower Upper

188 100

94 7.0 5.2 7.8

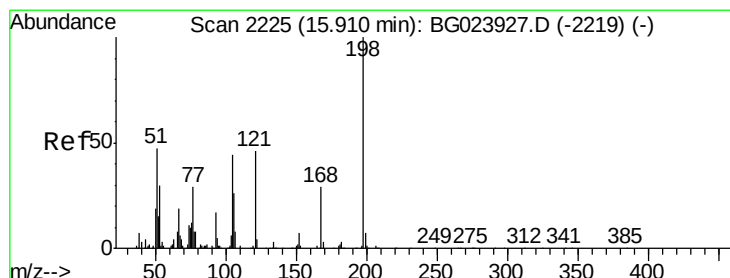
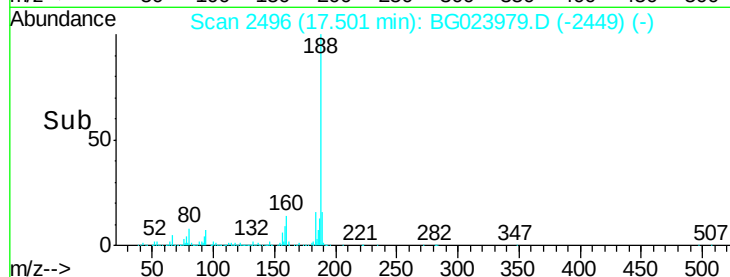
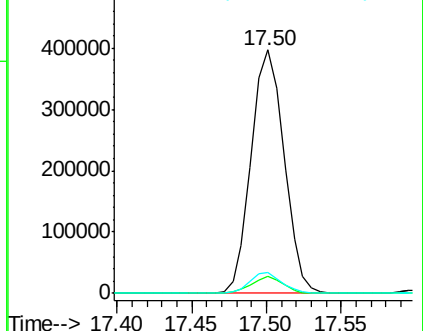
80 8.3 7.2 10.8



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: 36.06 ng

RT: 15.89 min Scan# 2221

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

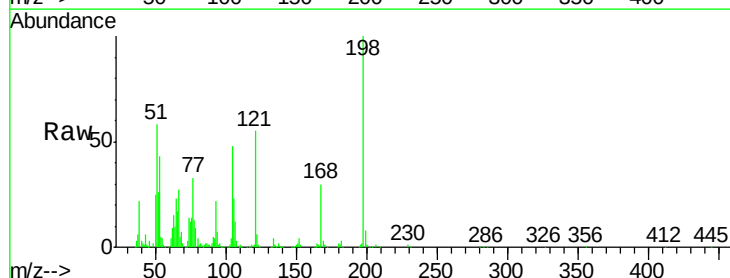
Tgt Ion:198 Resp: 152008

Ion Ratio Lower Upper

198 100

51 58.1 26.0 66.0

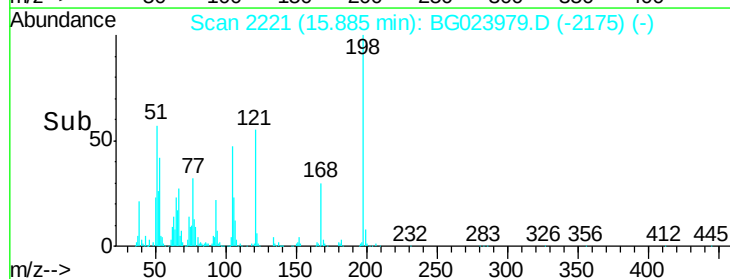
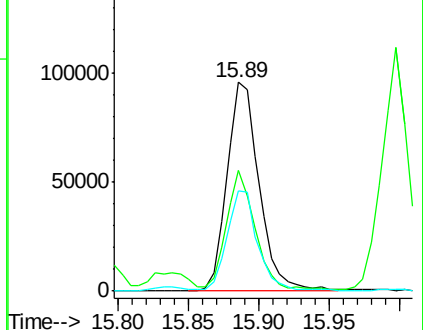
105 48.2 20.1 60.1

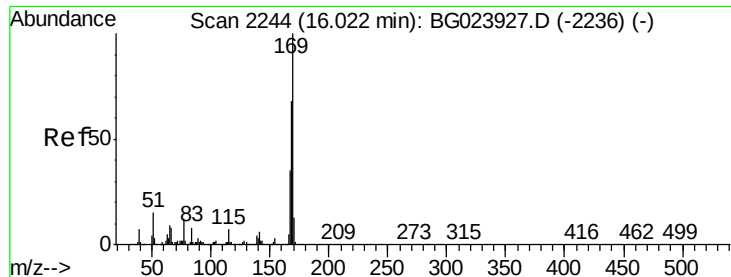


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 45.71 ng

RT: 16.00 min Scan# 2240

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

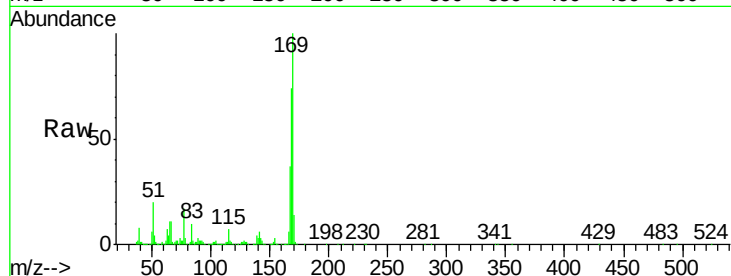
Tgt Ion:169 Resp: 788274

Ion Ratio Lower Upper

169 100

168 74.4 55.0 82.4

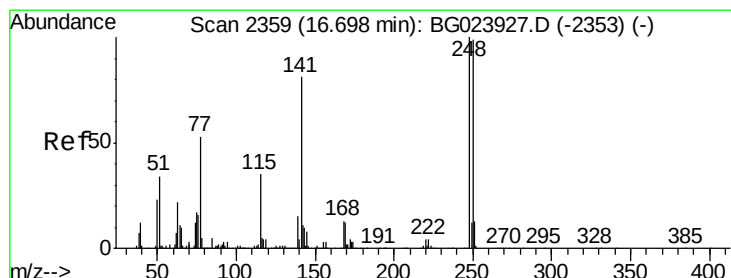
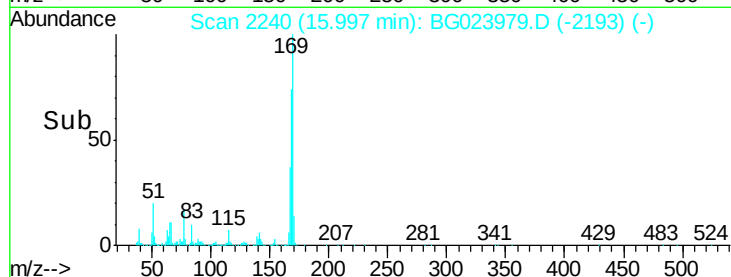
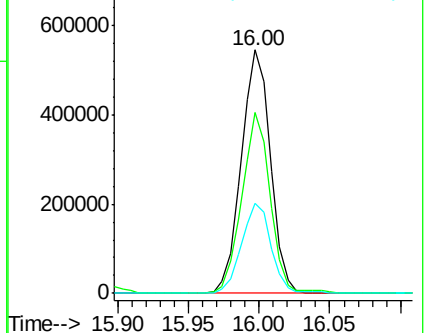
167 37.0 27.4 41.0



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: 47.79 ng

RT: 16.68 min Scan# 2356

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

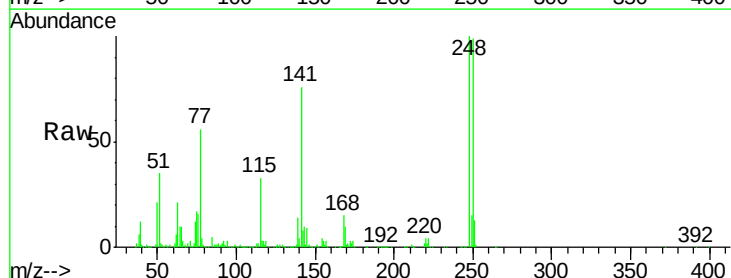
Tgt Ion:248 Resp: 353045

Ion Ratio Lower Upper

248 100

250 99.2 77.8 116.8

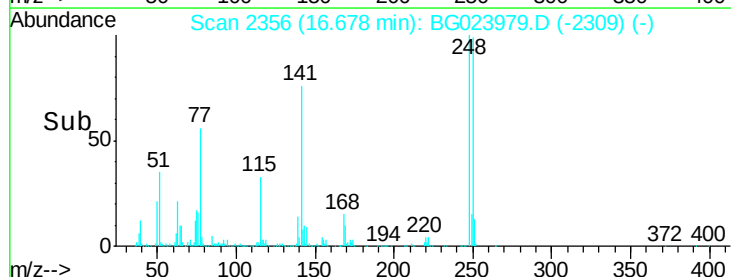
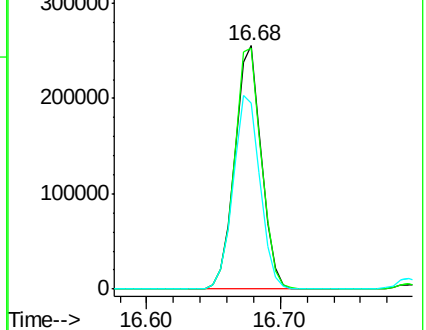
141 76.3 65.7 98.5

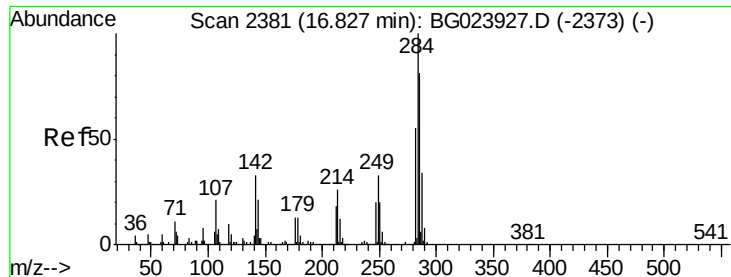


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

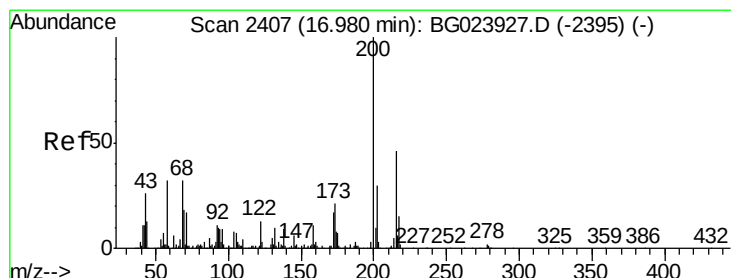
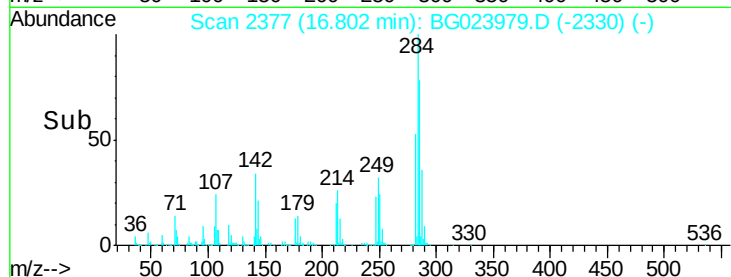
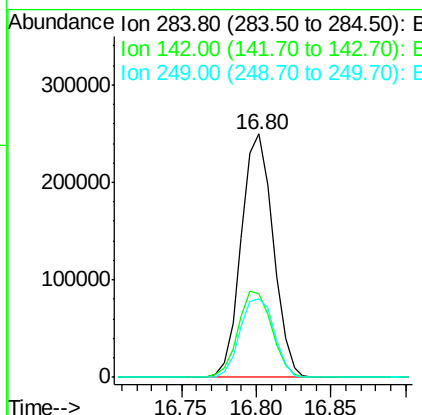
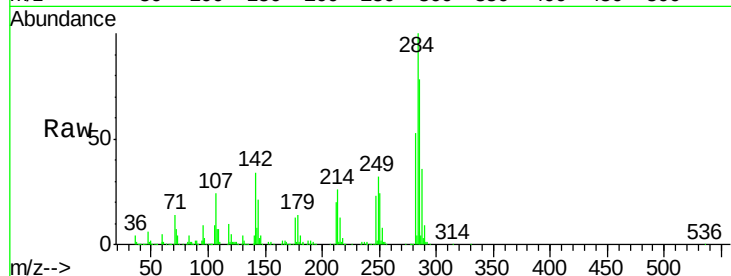




#67
Hexachlorobenzene
Concen: 42.72 ng
RT: 16.80 min Scan# 2377
Delta R.T. -0.03 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

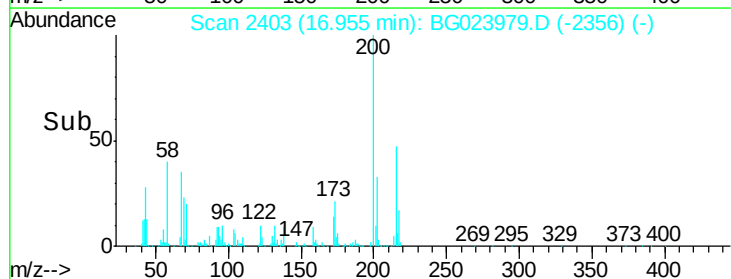
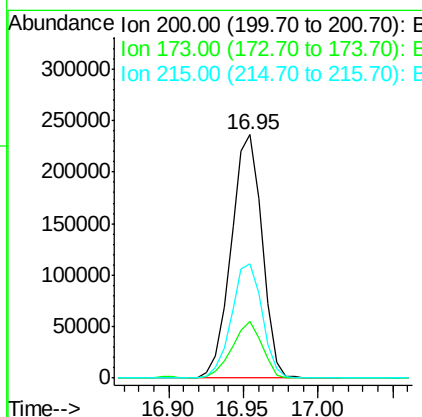
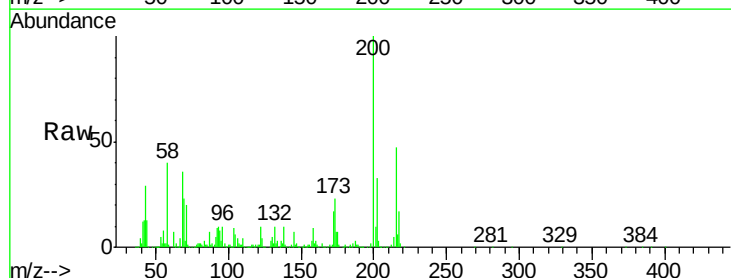
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

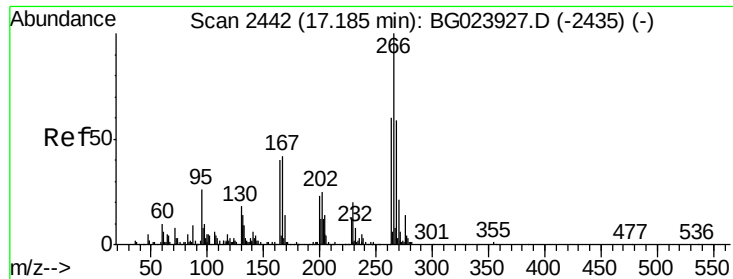
Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.4	26.8	40.2
249	32.1	28.9	43.3



#68
Atrazine
Concen: 45.83 ng
RT: 16.95 min Scan# 2403
Delta R.T. -0.03 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion	Ratio	Lower	Upper
200	100		
173	23.1	1.6	41.6
215	46.8	28.7	68.7

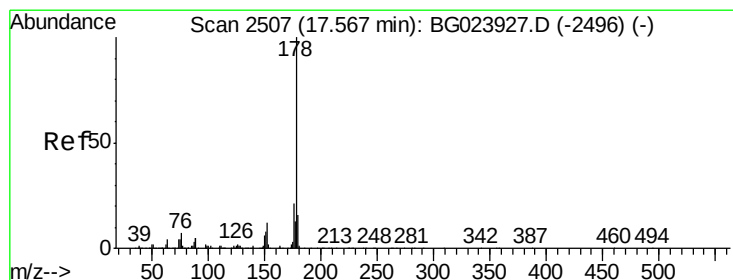
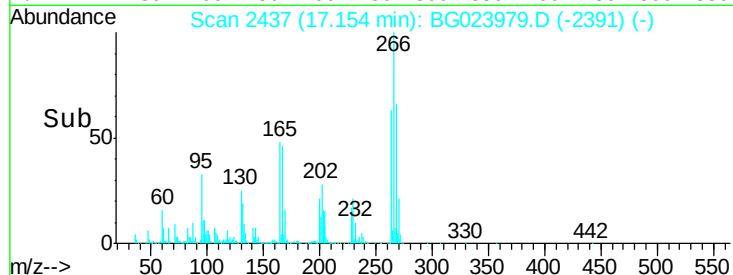
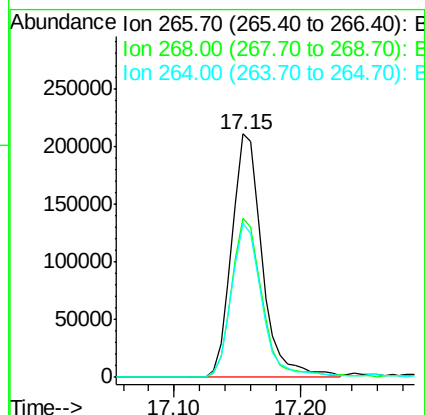
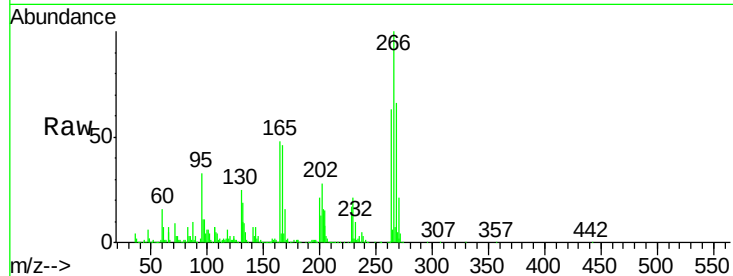




#69
 Pentachlorophenol
 Concen: 75.84 ng
 RT: 17.15 min Scan# 2437
 Delta R.T. -0.03 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

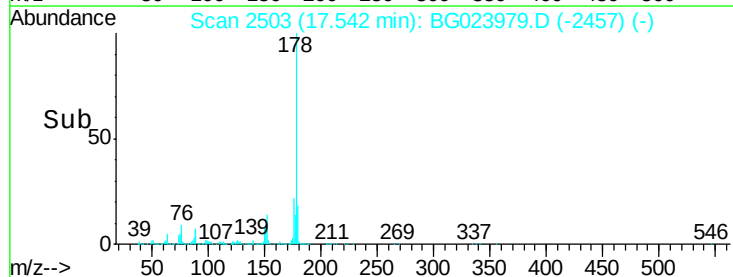
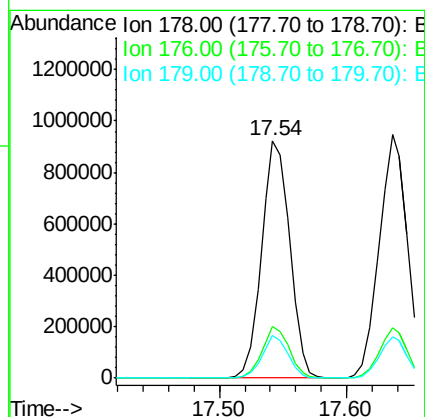
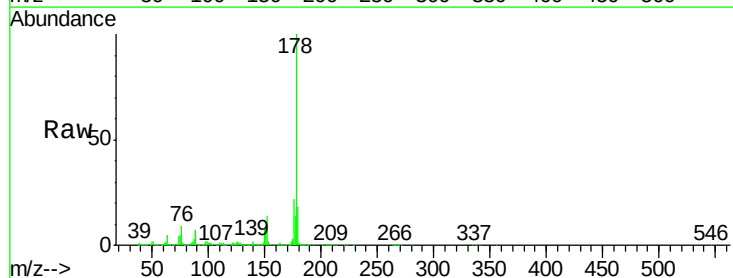
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

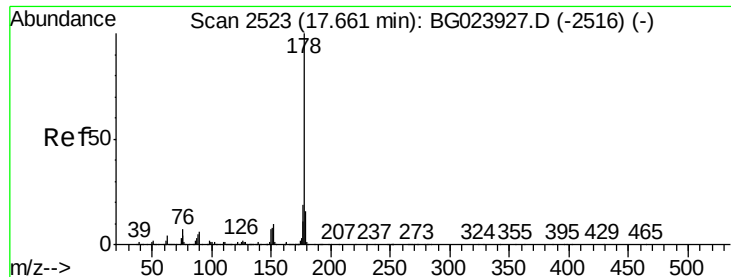
Tgt Ion:266 Resp: 348999
 Ion Ratio Lower Upper
 266 100
 268 65.5 51.9 77.9
 264 63.1 50.6 75.8



#70
 Phenanthrene
 Concen: 45.18 ng
 RT: 17.54 min Scan# 2503
 Delta R.T. -0.03 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Tgt Ion:178 Resp: 1426971
 Ion Ratio Lower Upper
 178 100
 176 21.7 16.8 25.2
 179 18.1 14.3 21.5





#71

Anthracene

Concen: 45.52 ng

RT: 17.64 min Scan# 2519

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

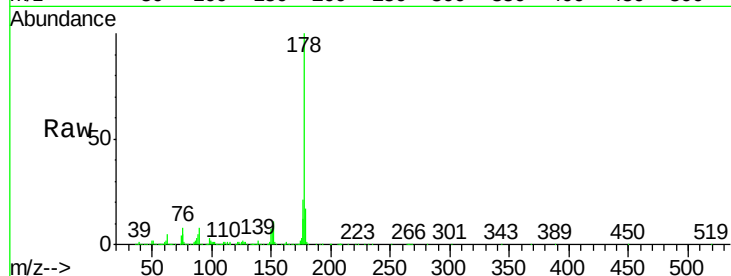
Tgt Ion:178 Resp: 1466751

Ion Ratio Lower Upper

178 100

176 20.6 17.3 25.9

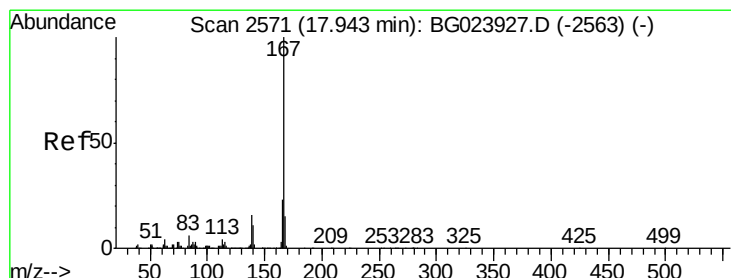
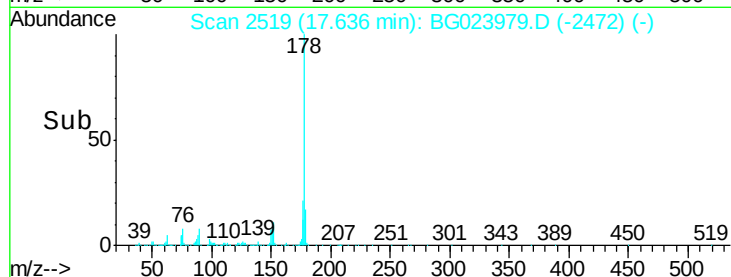
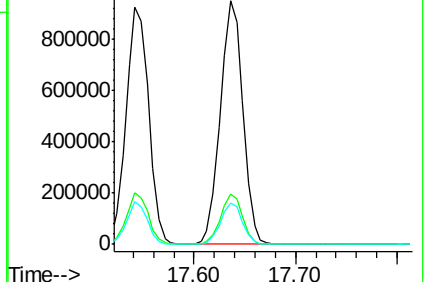
179 17.0 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 42.20 ng

RT: 17.92 min Scan# 2567

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

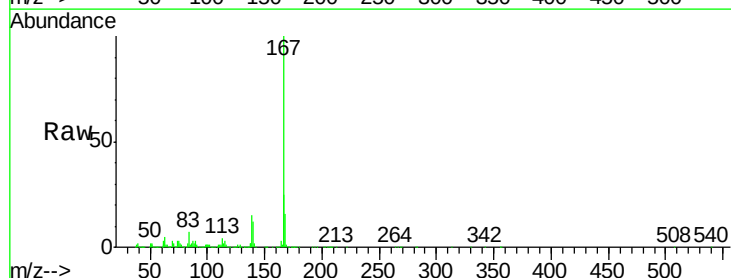
Tgt Ion:167 Resp: 1233758

Ion Ratio Lower Upper

167 100

166 24.6 20.7 31.1

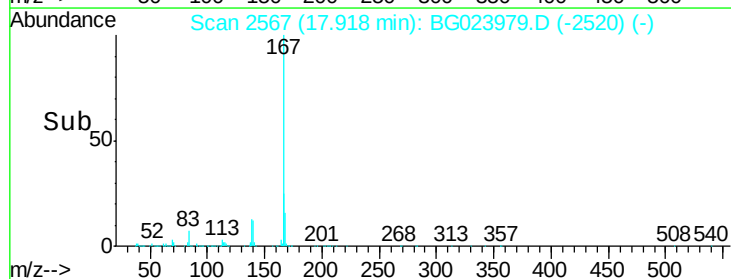
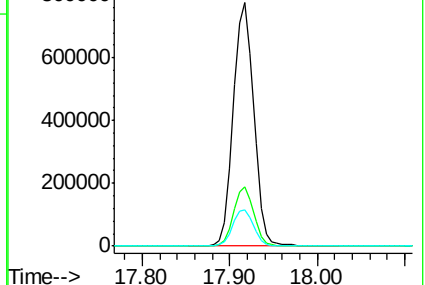
139 14.9 11.9 17.9

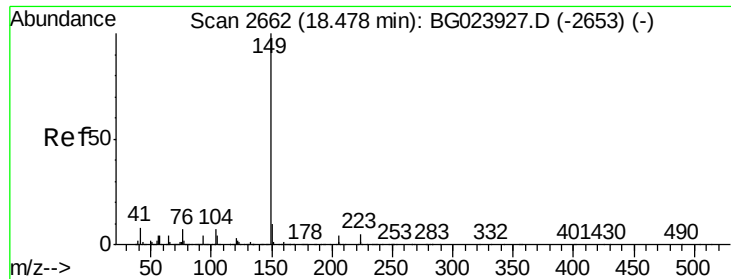


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

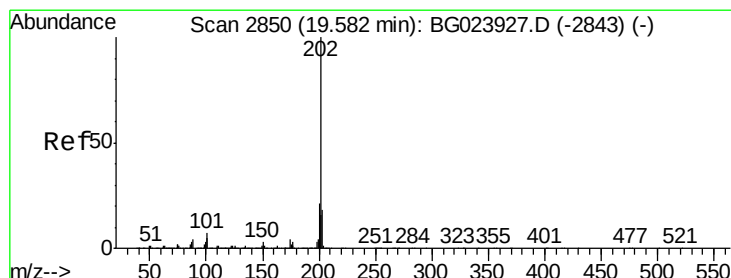
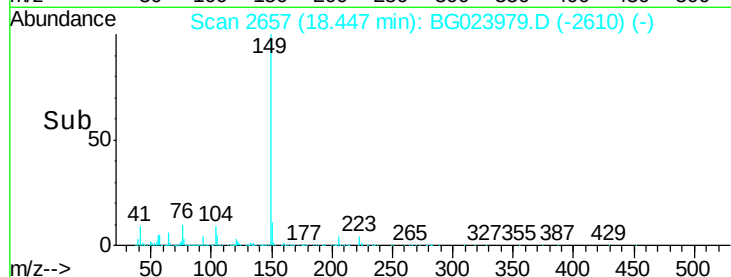
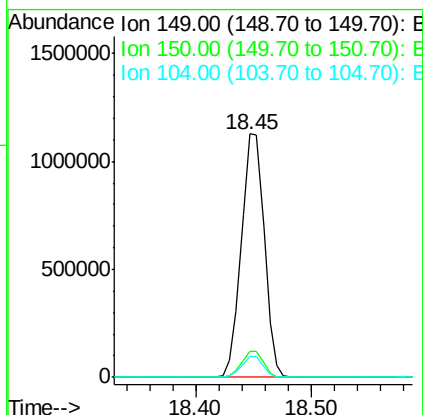
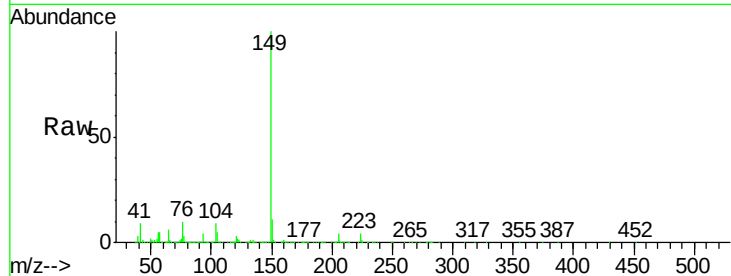




#73
Di-n-butylphthalate
Concen: 44.78 ng
RT: 18.45 min Scan# 2657
Delta R.T. -0.03 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

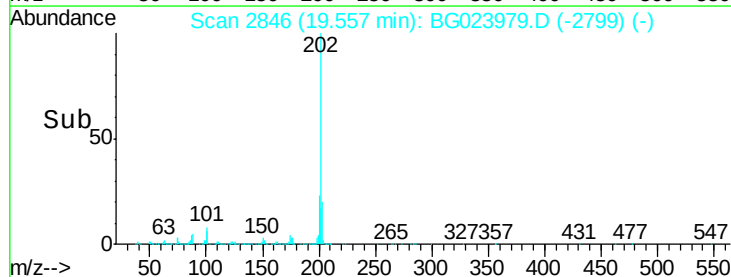
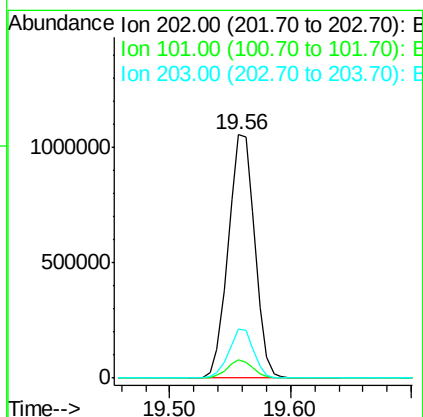
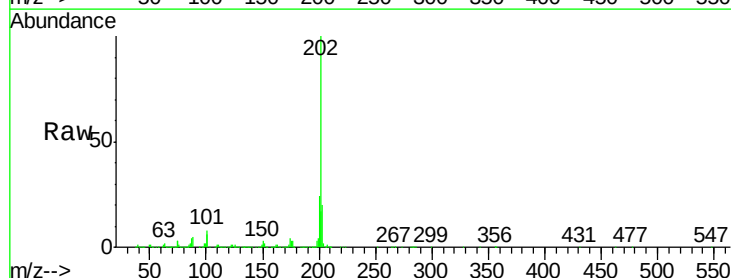
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

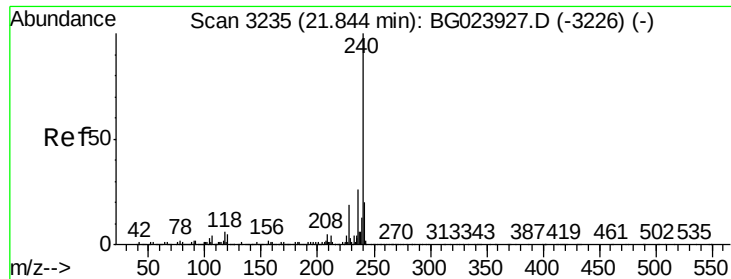
Tgt Ion:149 Resp: 1562158
Ion Ratio Lower Upper
149 100
150 10.8 9.1 13.7
104 8.7 6.9 10.3



#74
Fluoranthene
Concen: 42.10 ng
RT: 19.56 min Scan# 2846
Delta R.T. -0.03 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion:202 Resp: 1601006
Ion Ratio Lower Upper
202 100
101 7.5 0.0 27.4
203 19.9 1.7 41.7

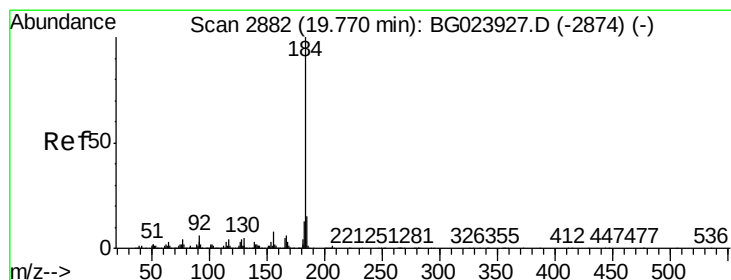
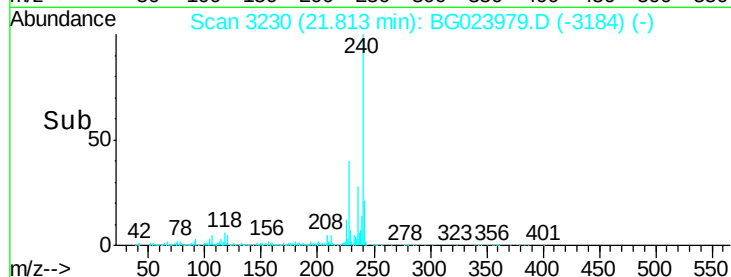
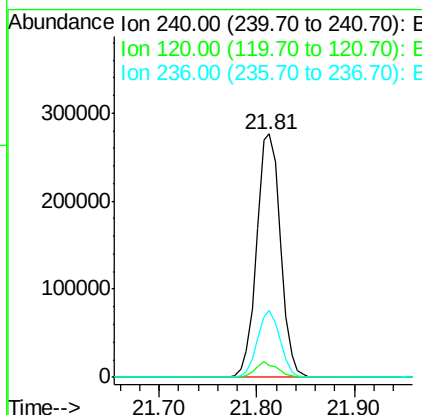
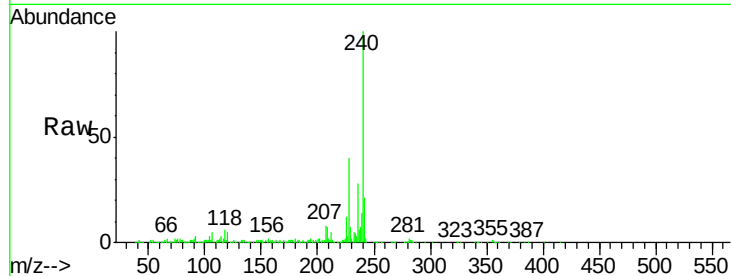




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.81 min Scan# 3230
Delta R.T. -0.03 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

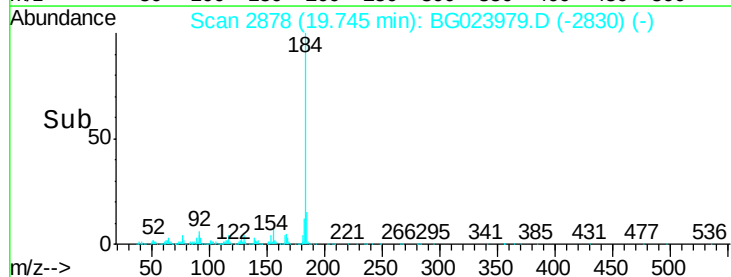
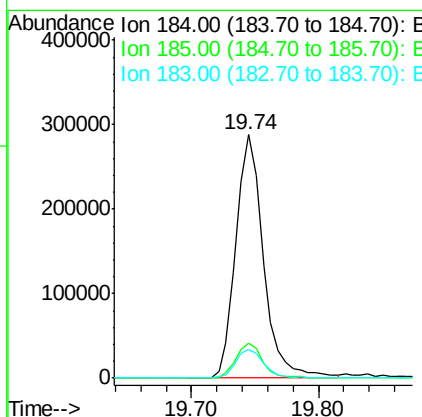
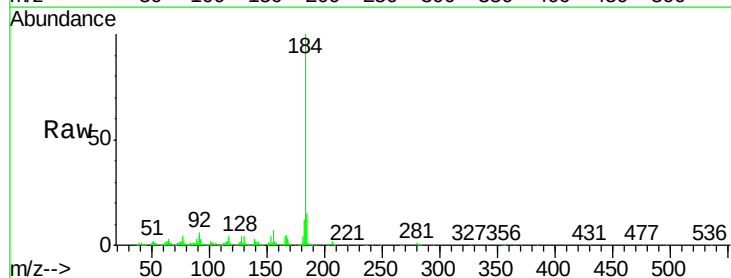
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

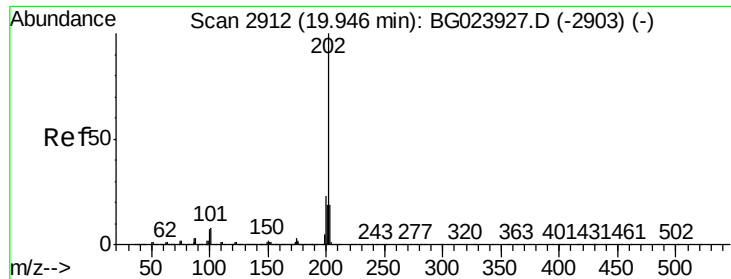
Tgt Ion:240 Resp: 471963
Ion Ratio Lower Upper
240 100
120 5.0 4.1 6.1
236 27.7 21.1 31.7



#76
Benzidine
Concen: 29.75 ng
RT: 19.74 min Scan# 2878
Delta R.T. -0.02 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion:184 Resp: 434815
Ion Ratio Lower Upper
184 100
185 14.6 12.6 19.0
183 11.5 10.7 16.1





#77

Pyrene

Concen: 52.82 ng

RT: 19.92 min Scan# 2908

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

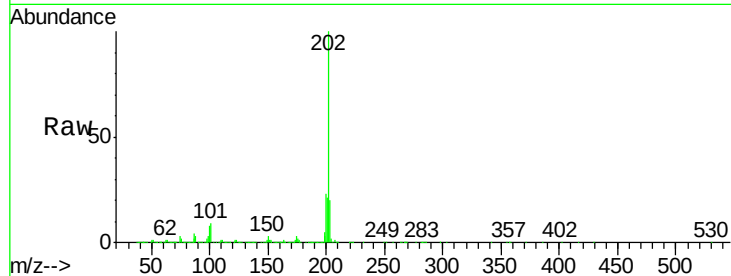
Tgt Ion:202 Resp: 1533222

Ion Ratio Lower Upper

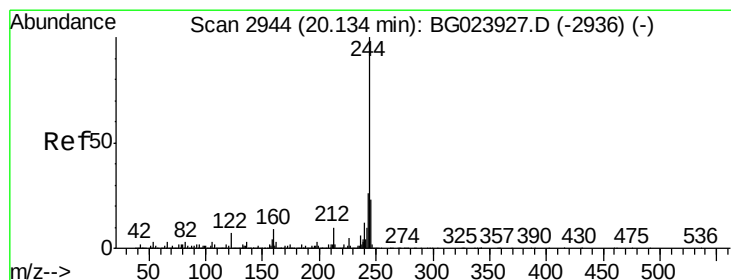
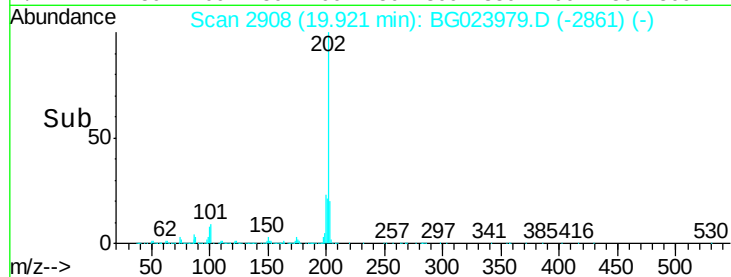
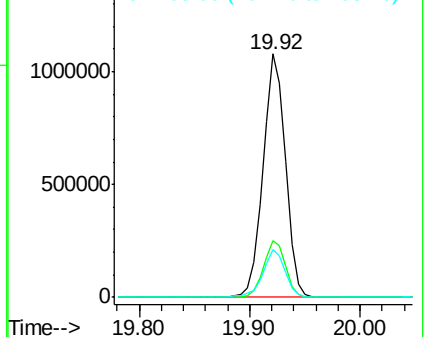
202 100

200 23.2 21.2 31.8

203 19.8 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: 100.63 ng

RT: 20.11 min Scan# 2940

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

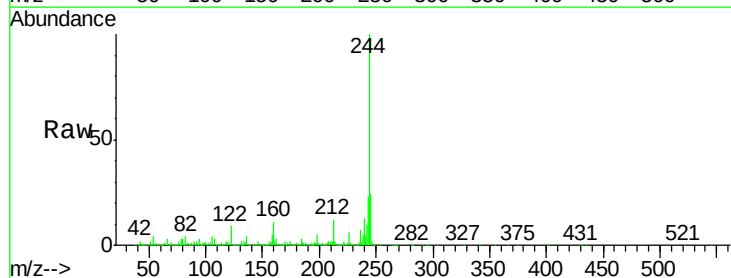
Tgt Ion:244 Resp: 2085422

Ion Ratio Lower Upper

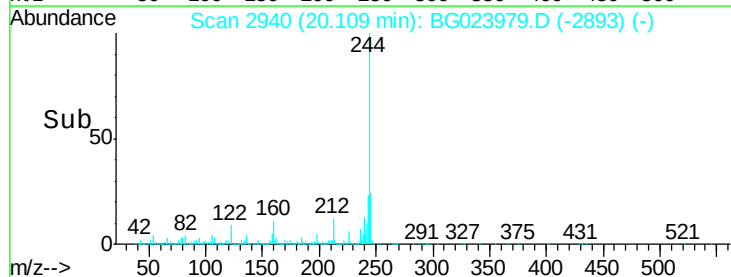
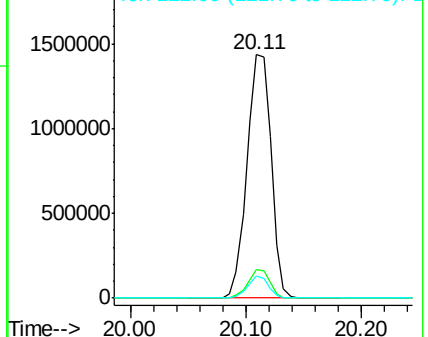
244 100

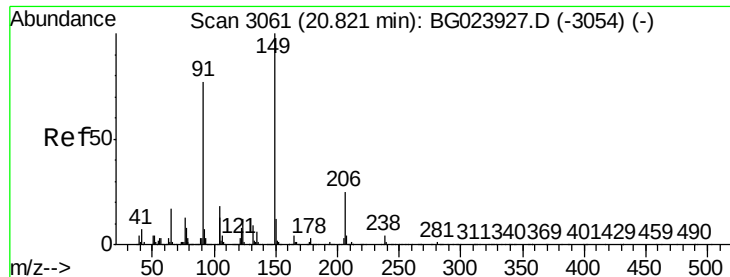
212 11.9 10.8 16.2

122 8.9 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: 49.22 ng

RT: 20.80 min Scan# 3057

Delta R.T. -0.02 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

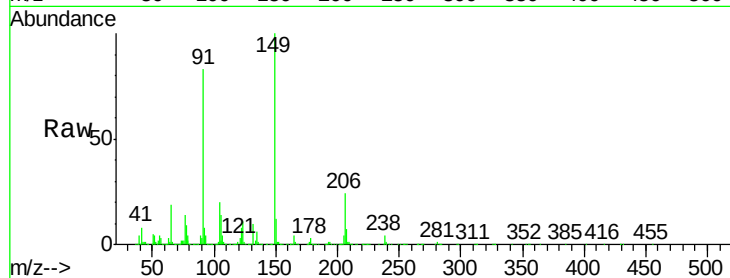
Tgt Ion:149 Resp: 550750

Ion Ratio Lower Upper

149 100

91 83.4 68.1 102.1

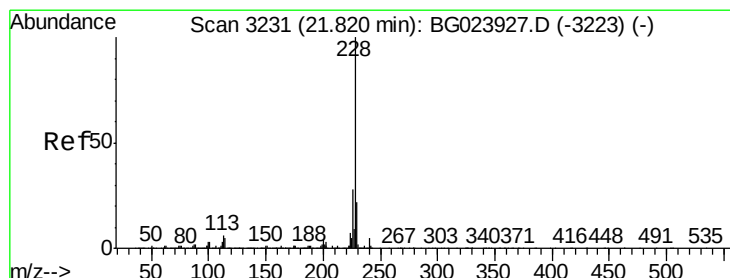
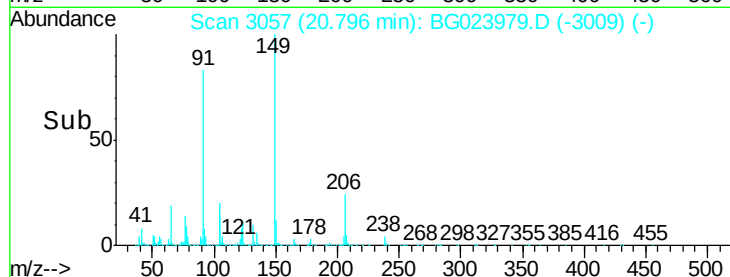
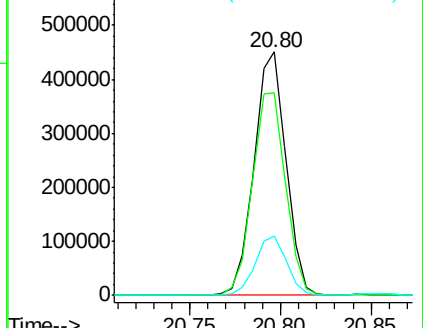
206 24.2 19.8 29.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG023979.D (-3009) (-)

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 48.28 ng

RT: 21.79 min Scan# 3226

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

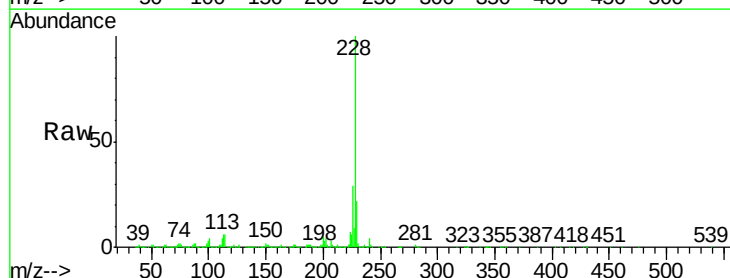
Tgt Ion:228 Resp: 1275547

Ion Ratio Lower Upper

228 100

226 29.3 25.3 37.9

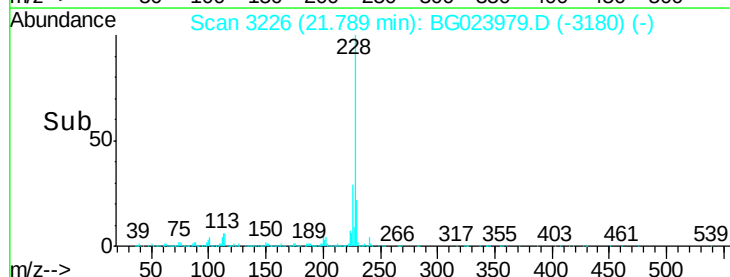
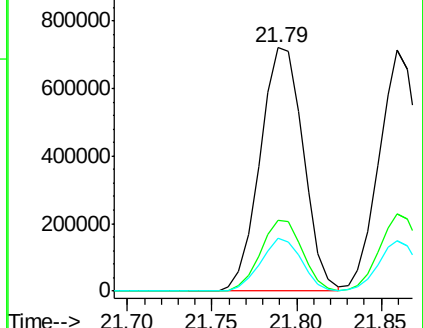
229 21.9 19.9 29.9

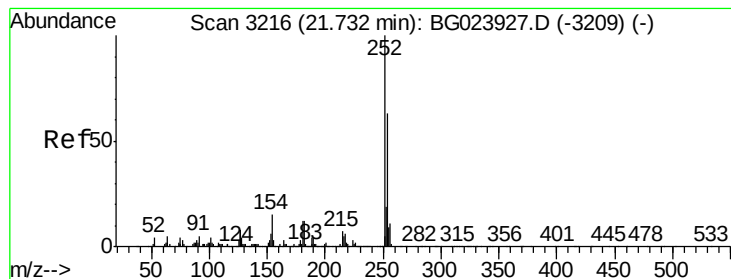


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

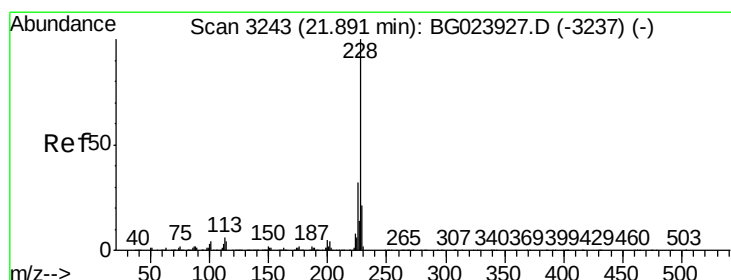
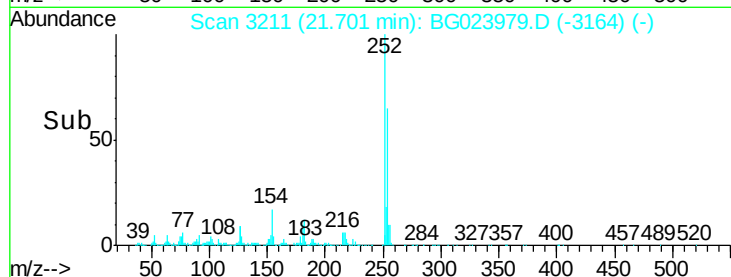
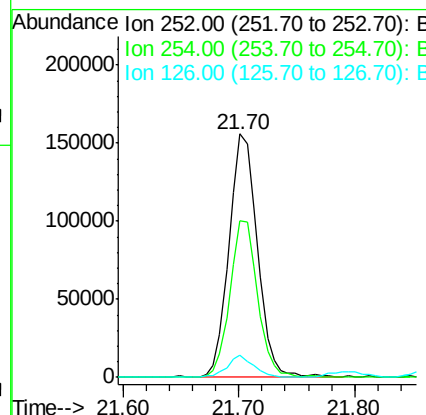
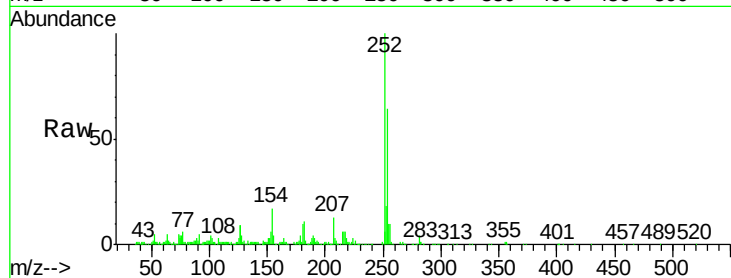




#81
 3,3'-Dichlorobenzidine
 Concen: 25.24 ng
 RT: 21.70 min Scan# 3211
 Delta R.T. -0.03 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

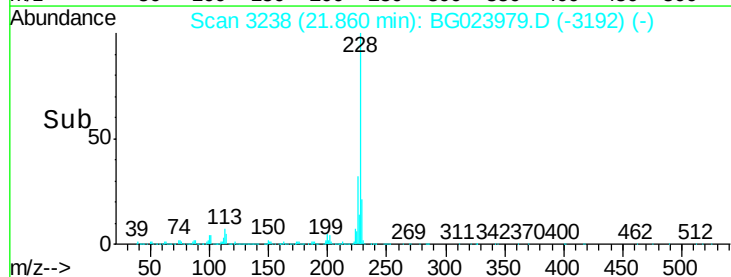
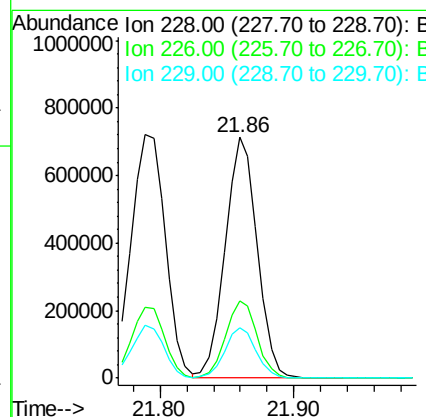
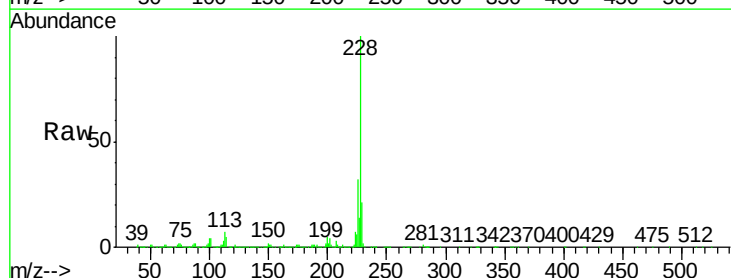
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

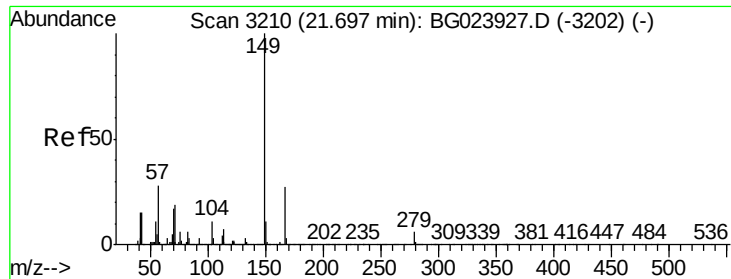
Tgt Ion: 252 Resp: 266539
 Ion Ratio Lower Upper
 252 100
 254 64.3 51.2 76.8
 126 8.9 5.3 7.9#



#82
 Chrysene
 Concen: 47.44 ng
 RT: 21.86 min Scan# 3238
 Delta R.T. -0.03 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Tgt Ion: 228 Resp: 1193141
 Ion Ratio Lower Upper
 228 100
 226 32.2 26.7 40.1
 229 20.9 17.4 26.2

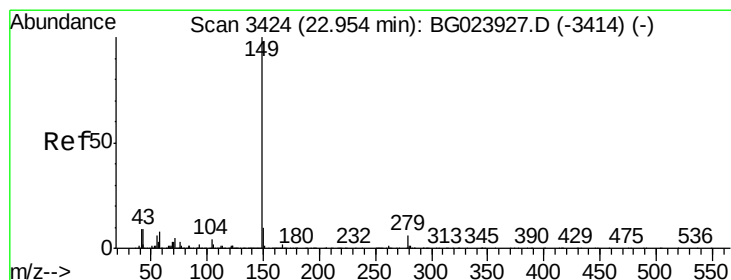
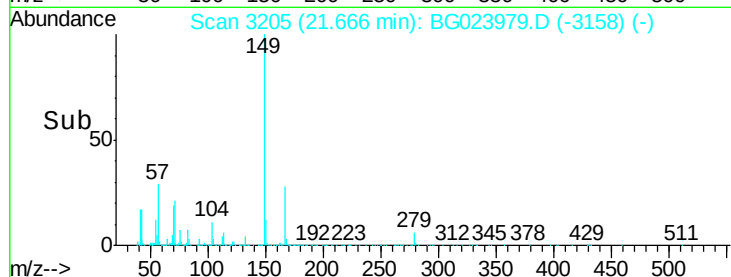
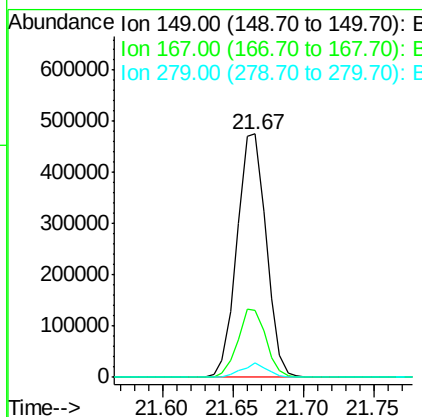
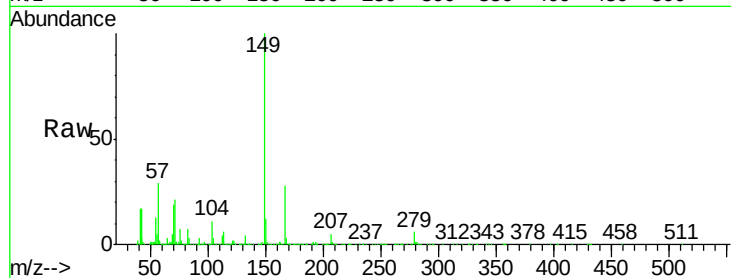




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 44.79 ng
 RT: 21.67 min Scan# 3205
 Delta R.T. -0.03 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

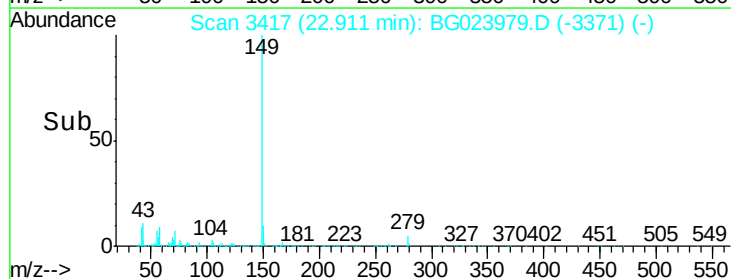
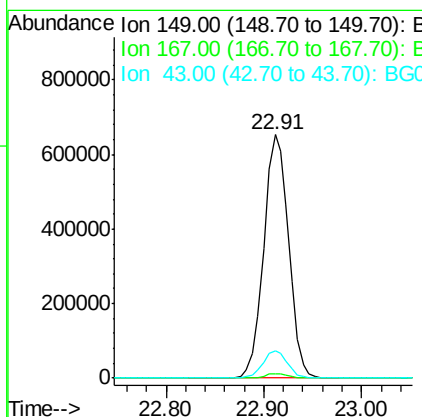
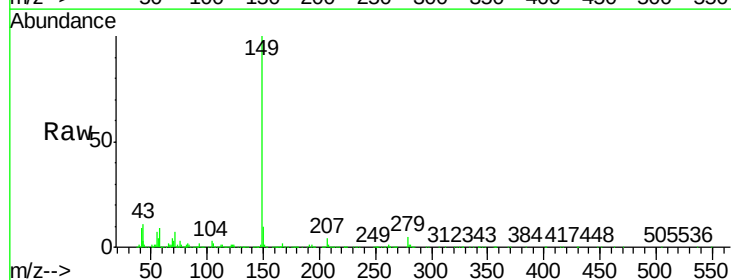
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

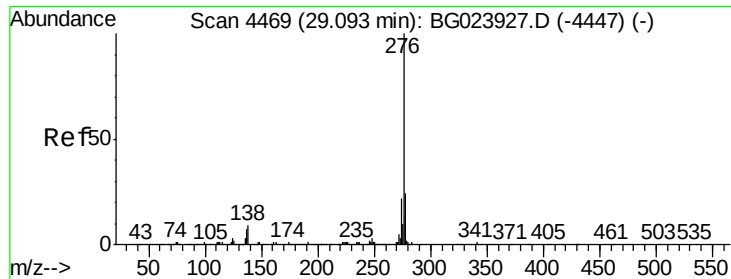
Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	24.0	36.0
279	5.8	4.8	7.2



#84
 Di-n-octyl phthalate
 Concen: 46.46 ng
 RT: 22.91 min Scan# 3417
 Delta R.T. -0.03 min
 Lab File: BG023979.D
 Acq: 9 Sep 2016 18:18

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.9	1.5	2.3
43	11.0	8.8	13.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 52.58 ng

RT: 29.01 min Scan# 4456

Delta R.T. -0.07 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

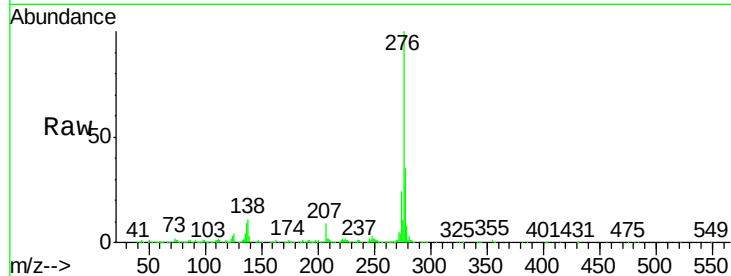
Tgt Ion:276 Resp: 1464098

Ion Ratio Lower Upper

276 100

138 12.9 0.0 0.0#

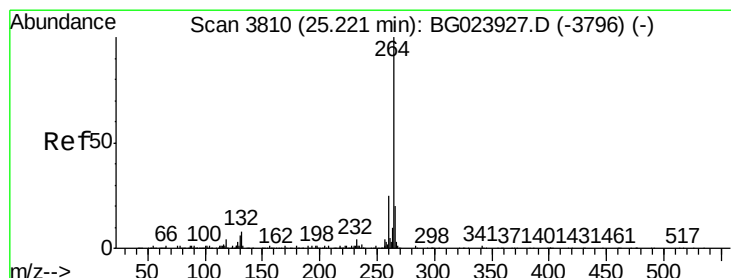
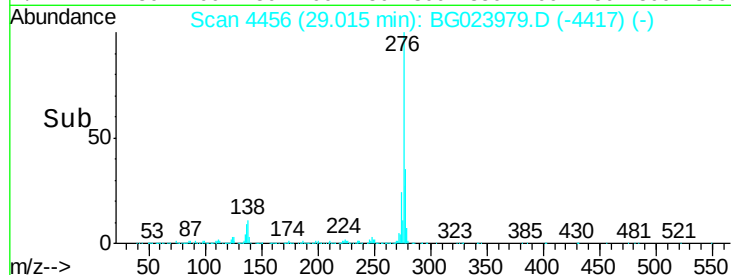
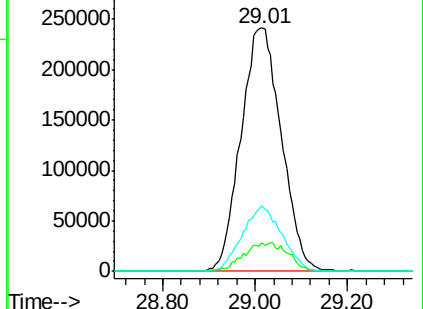
277 26.3 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.17 min Scan# 3801

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

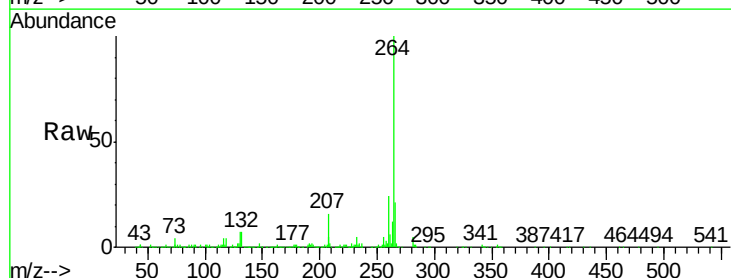
Tgt Ion:264 Resp: 475069

Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

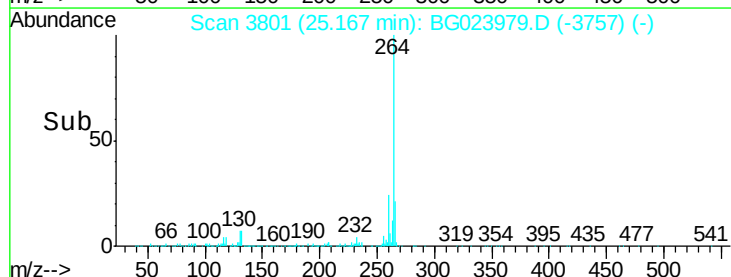
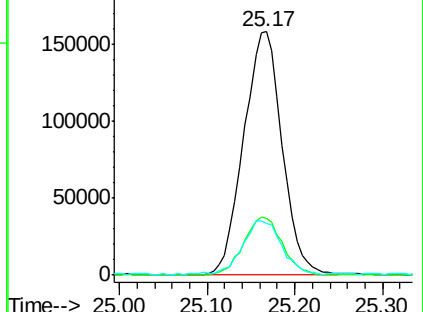
265 21.5 18.9 28.3

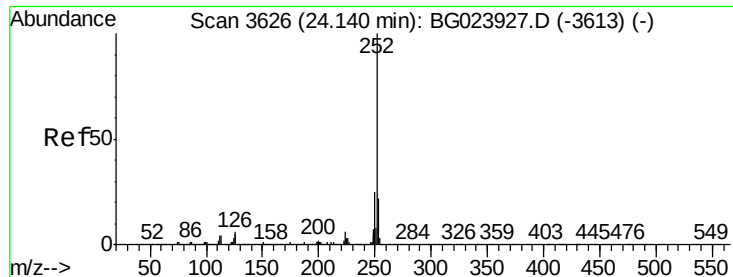


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

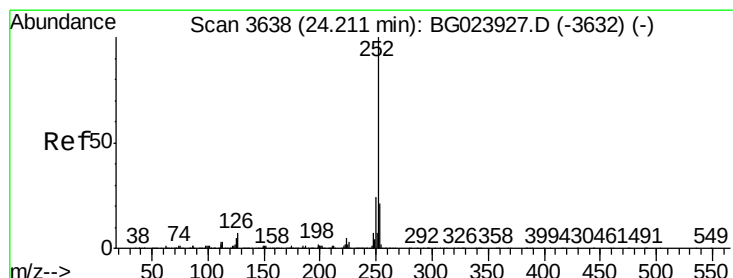
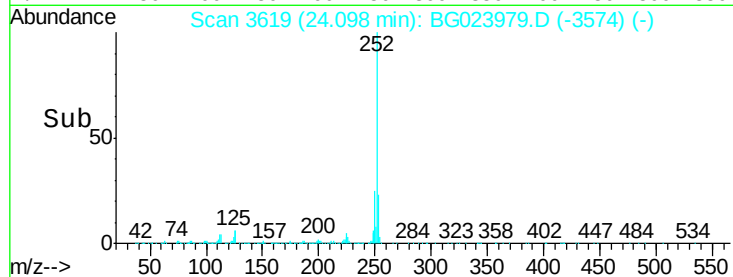
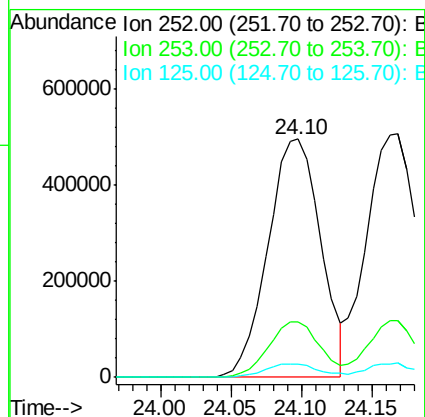
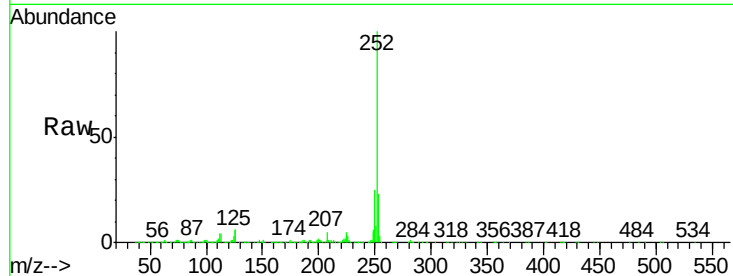




#87
Benzo(b)fluoranthene
Concen: 47.87 ng
RT: 24.10 min Scan# 3619
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

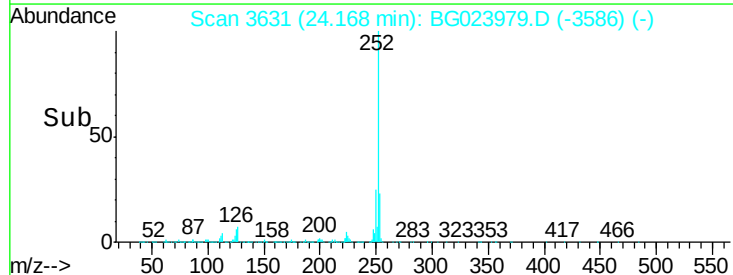
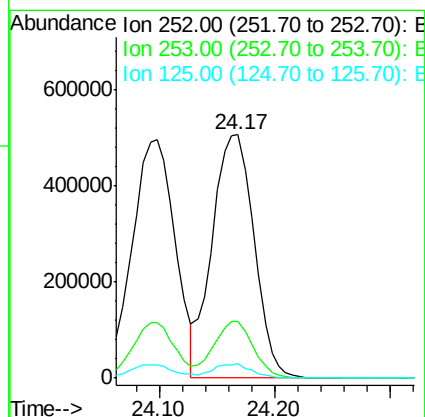
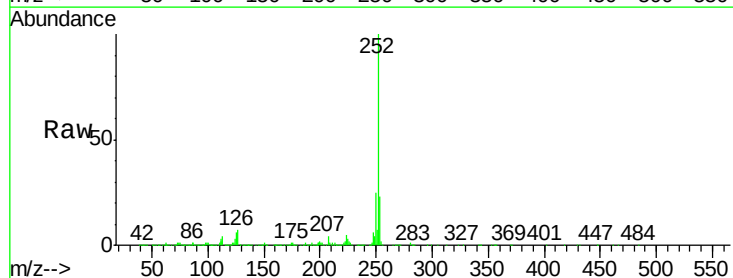
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

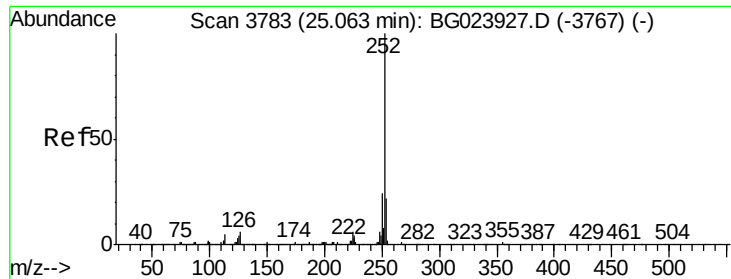
Tgt Ion:252 Resp: 1291816
Ion Ratio Lower Upper
252 100
253 23.5 18.9 28.3
125 5.7 3.9 5.9



#88
Benzo(k)fluoranthene
Concen: 47.47 ng
RT: 24.17 min Scan# 3631
Delta R.T. -0.04 min
Lab File: BG023979.D
Acq: 9 Sep 2016 18:18

Tgt Ion:252 Resp: 1270354
Ion Ratio Lower Upper
252 100
253 23.3 18.8 28.2
125 5.8 3.2 4.8#





#89

Benzo(a)pyrene

Concen: 48.67 ng

RT: 25.01 min Scan# 3774

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

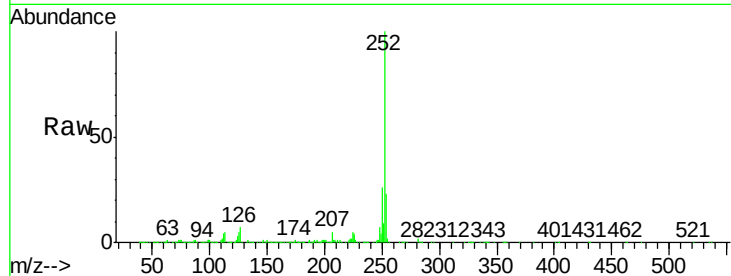
Tgt Ion:252 Resp: 1247234

Ion Ratio Lower Upper

252 100

253 23.1 18.7 28.1

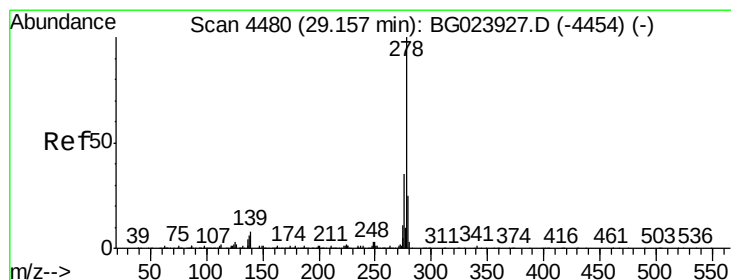
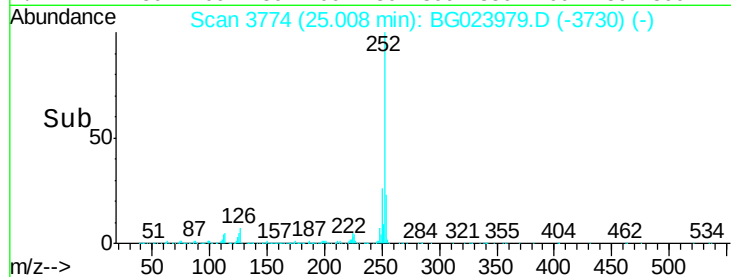
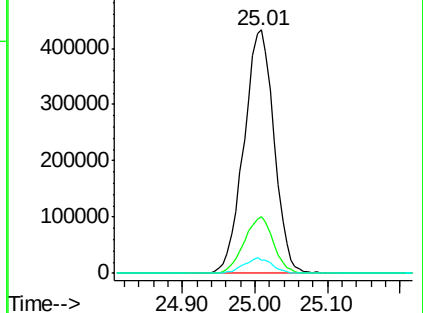
125 5.2 3.9 5.9



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: 48.27 ng

RT: 29.06 min Scan# 4464

Delta R.T. -0.08 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

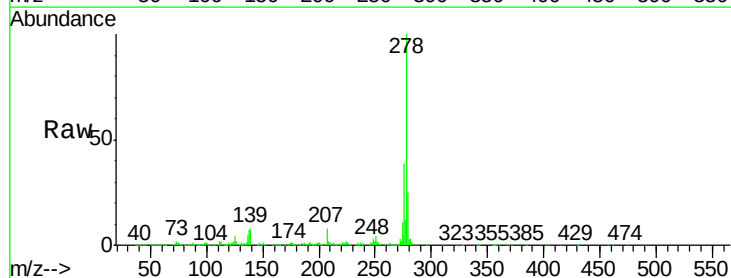
Tgt Ion:278 Resp: 1216640

Ion Ratio Lower Upper

278 100

139 7.9 4.7 7.1#

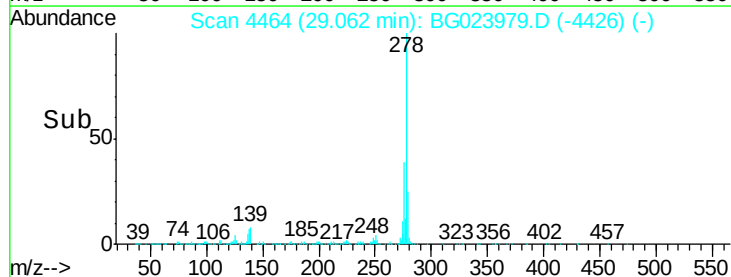
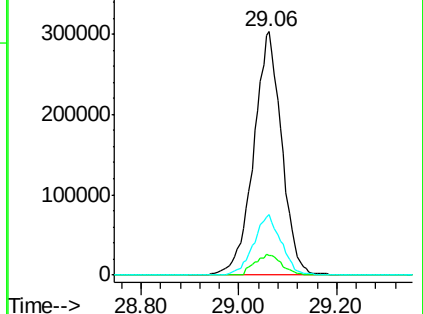
279 25.0 18.3 27.5

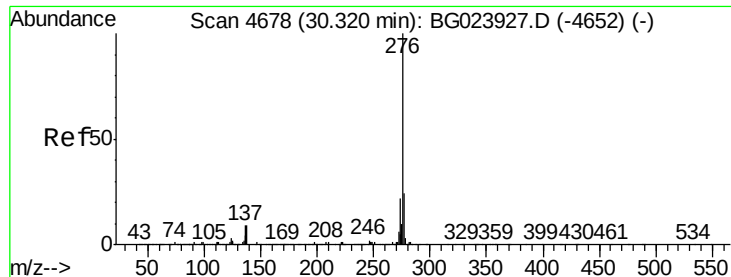


Abundance Ion 278.00 (277.70 to 278.70): E

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: 50.25 ng

RT: 30.21 min Scan# 4659

Delta R.T. -0.09 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

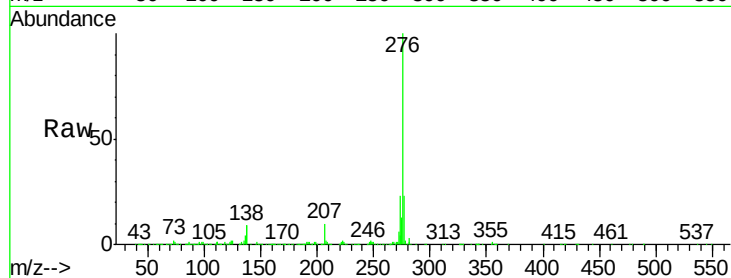
Tgt Ion:276 Resp: 1217871

Ion Ratio Lower Upper

276 100

277 23.4 18.6 27.8

138 9.2 6.8 10.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

