

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021916\
 Data File : BG020974.D
 Acq On : 19 Feb 2016 16:18
 Operator : SJ/UM
 Sample : H1468-01MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

Quant Time: Feb 19 17:22:12 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	20543	20.00	ng	0.00
21) Naphthalene-d8	11.08	136	102975	20.00	ng	-0.01
38) Acenaphthene-d10	14.87	164	64647	20.00	ng	-0.01
63) Phenanthrene-d10	17.61	188	135116	20.00	ng	-0.01
75) Chrysene-d12	21.89	240	127144	20.00	ng	-0.02
86) Perylene-d12	25.25	264	118559	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.79	112	166874	136.80	ng	0.00
7) Phenol-d6	7.41	99	230382	129.21	ng	0.00
23) Nitrobenzene-d5	9.43	82	139333	88.97	ng	-0.01
41) 2,4,6-Tribromophenol	16.35	330	102519	161.26	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	390959	84.95	ng	-0.01
78) Terphenyl-d14	20.18	244	518558	95.15	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.64	88	14374	32.41	ng	# 89
3) Pyridine	4.05	79	64042	48.81	ng	97
4) n-Nitrosodimethylamine	3.95	42	14624	42.61	ng	97
6) Aniline	7.58	93	40397	18.17	ng	99
8) 2-Chlorophenol	7.82	128	65207	42.79	ng	96
9) Benzaldehyde	7.39	77	7198	8.06	ng	91
10) Phenol	7.43	94	79363	42.06	ng	98
11) bis(2-Chloroethyl)ether	7.67	93	60312	40.02	ng	96
12) 1,3-Dichlorobenzene	8.15	146	63695	39.53	ng	99
13) 1,4-Dichlorobenzene	8.29	146	64356	39.40	ng	97
14) 1,2-Dichlorobenzene	8.62	146	64592	40.64	ng	98
15) Benzyl Alcohol	8.49	79	49371	43.93	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.79	45	59471	37.83	ng	99
17) 2-Methylphenol	8.69	107	60695	44.65	ng	99
18) Hexachloroethane	9.35	117	22382	39.85	ng	98
19) n-Nitroso-di-n-propylamine	9.06	70	47250	41.07	ng	99
20) 3+4-Methylphenols	9.02	107	83711	44.19	ng	97
22) Acetophenone	9.09	105	97633	39.33	ng	# 99
24) Nitrobenzene	9.48	77	66429	40.69	ng	98
25) Isophorone	9.99	82	138161	41.85	ng	99
26) 2-Nitrophenol	10.19	139	37091	43.17	ng	97
27) 2,4-Dimethylphenol	10.24	122	72690	44.15	ng	95
28) bis(2-Chloroethoxy)methane	10.47	93	88942	43.72	ng	98
29) 2,4-Dichlorophenol	10.73	162	70948	48.08	ng	98
30) 1,2,4-Trichlorobenzene	10.94	180	62657	42.16	ng	99
31) Naphthalene	11.14	128	265755	49.89	ng	98
32) Benzoic acid	10.36	122	47722	36.14	ng	98
33) 4-Chloroaniline	11.24	127	9639	4.21	ng	99
34) Hexachlorobutadiene	11.41	225	30787	40.64	ng	99
35) Caprolactam	12.01	113	15912	28.14	ng	94
36) 4-Chloro-3-methylphenol	12.34	107	84848	50.19	ng	100
37) 2-Methylnaphthalene	12.72	142	179770	48.10	ng	98
39) 1,2,4,5-Tetrachlorobenzene	13.08	216	73447	38.73	ng	98
40) Hexachlorocyclopentadiene	13.06	237	64176	76.92	ng	97

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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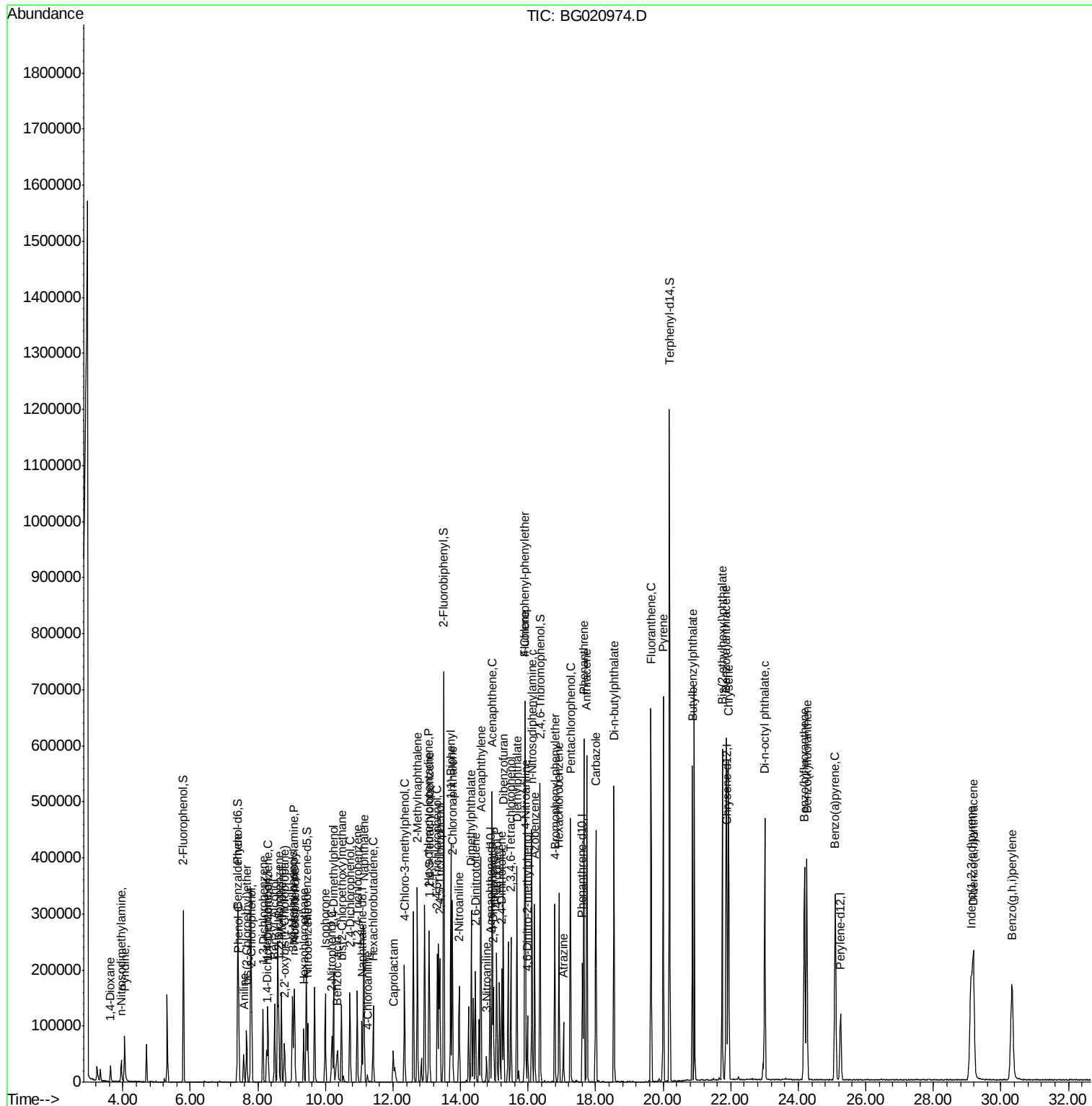
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.31	196	59075	46.37	ng	99
43) 2,4,5-Trichlorophenol	13.39	196	65446	48.86	ng	99
45) 1,1'-Biphenyl	13.71	154	229187	40.19	ng	99
46) 2-Chloronaphthalene	13.76	162	171746	42.06	ng	97
47) 2-Nitroaniline	13.96	65	46840	47.90	ng	98
48) Acenaphthylene	14.60	152	309286	43.56	ng	99
49) Dimethylphthalate	14.32	163	235709	46.63	ng	99
50) 2,6-Dinitrotoluene	14.44	165	52936	48.87	ng	97
51) Acenaphthene	14.94	154	211304	49.09	ng	99
52) 3-Nitroaniline	14.77	138	16323	12.97	ng	98
53) 2,4-Dinitrophenol	14.97	184	45646	97.33	ng	91
54) Dibenzofuran	15.27	168	292099	51.30	ng	99
55) 4-Nitrophenol	15.07	139	92543	97.35	ng	96
56) 2,4-Dinitrotoluene	15.22	165	73633	52.59	ng	99
57) Fluorene	15.91	166	252300	48.12	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.49	232	55637	54.51	ng	100
59) Diethylphthalate	15.67	149	251448	48.39	ng	99
60) 4-Chlorophenyl-phenylether	15.90	204	107242	46.05	ng	94
61) 4-Nitroaniline	15.93	138	45414	35.94	ng	96
62) Azobenzene	16.19	77	200463	49.06	ng	99
64) 4,6-Dinitro-2-methylphenol	15.98	198	31914	46.65	ng	95
65) n-Nitrosodiphenylamine	16.11	169	183451	42.02	ng	99
66) 4-Bromophenyl-phenylether	16.79	248	66407	46.54	ng	99
67) Hexachlorobenzene	16.91	284	72194	47.54	ng	100
68) Atrazine	17.05	200	20475	15.46	ng	98
69) Pentachlorophenol	17.25	266	84432	96.99	ng	96
70) Phenanthrene	17.65	178	377693	49.10	ng	99
71) Anthracene	17.74	178	366253	46.91	ng	99
72) Carbazole	18.00	167	302869	43.23	ng	100
73) Di-n-butylphthalate	18.55	149	415808	46.28	ng	100
74) Fluoranthene	19.64	202	391468	47.11	ng	99
77) Pyrene	20.00	202	401730	47.90	ng	99
79) Butylbenzylphthalate	20.87	149	190414	47.42	ng	99
80) Benzo(a)anthracene	21.86	228	366221	48.25	ng	98
82) Chrysene	21.93	228	328789	46.06	ng	99
83) Bis(2-ethylhexyl)phthalate	21.75	149	275960	46.35	ng	99
84) Di-n-octyl phthalate	23.01	149	474210	48.53	ng	99
85) Indeno(1,2,3-cd)pyrene	29.11	276	396476	48.30	ng	97
87) Benzo(b)fluoranthene	24.18	252	356212	49.09	ng	99
88) Benzo(k)fluoranthene	24.25	252	345339	48.58	ng	99
89) Benzo(a)pyrene	25.10	252	343078	49.63	ng	99
90) Dibenzo(a,h)anthracene	29.18	278	326839	48.62	ng	98
91) Benzo(g,h,i)perylene	30.33	276	325180	48.73	ng	97

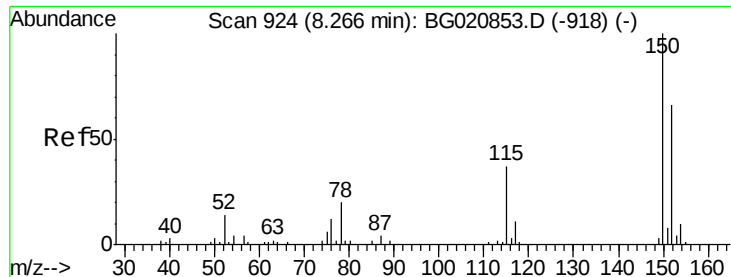
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 923

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

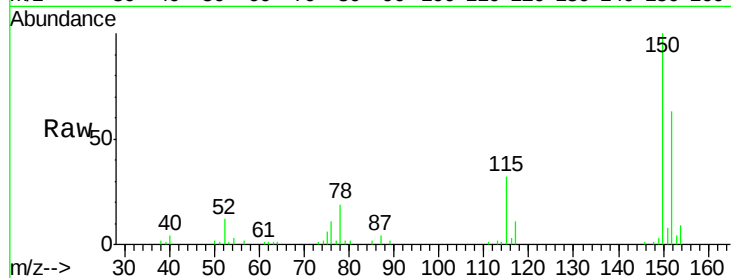
Tgt Ion:152 Resp: 20543

Ion Ratio Lower Upper

152 100

150 157.8 122.0 183.0

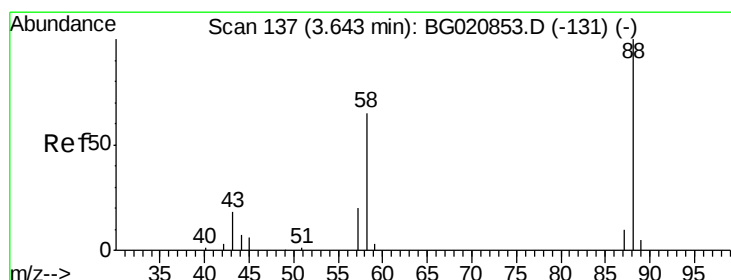
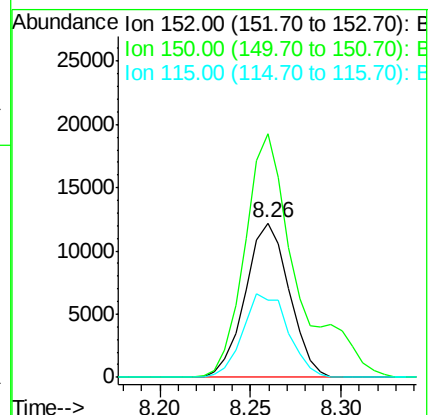
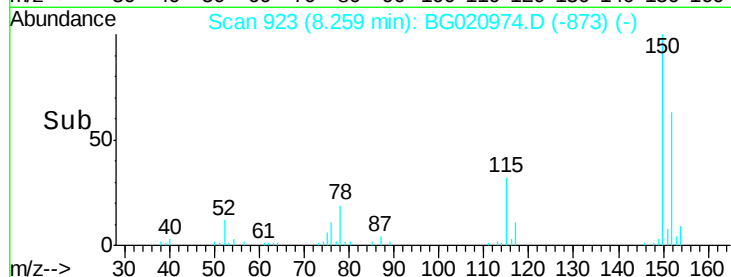
115 50.0 45.2 67.8



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: 32.41 ng

RT: 3.64 min Scan# 136

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

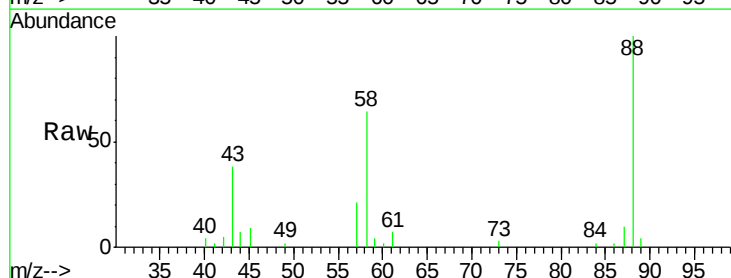
Tgt Ion: 88 Resp: 14374

Ion Ratio Lower Upper

88 100

58 65.6 50.3 75.5

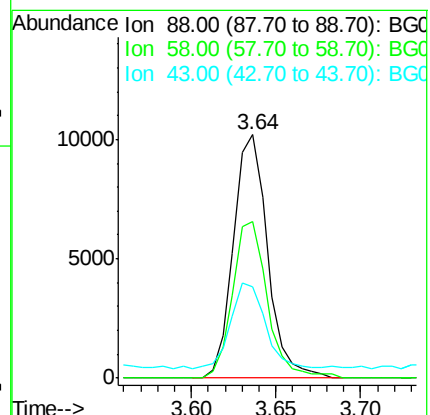
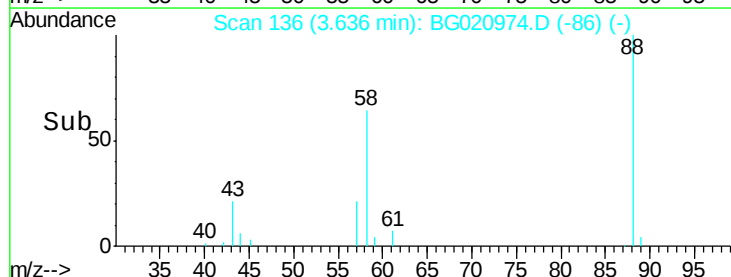
43 35.5 14.5 21.7#

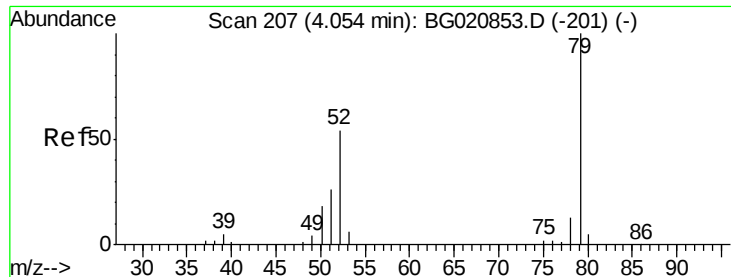


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 48.81 ng

RT: 4.05 min Scan# 207

Delta R.T. -0.00 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

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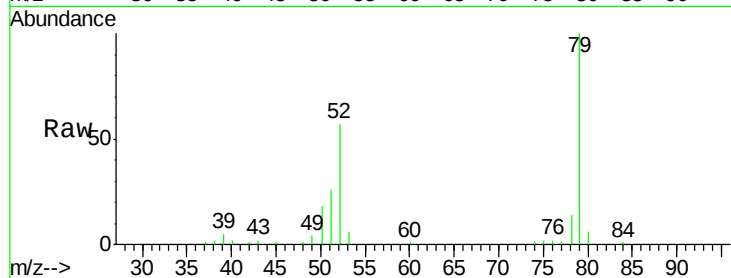
Tgt Ion: 79 Resp: 64042

Ion Ratio Lower Upper

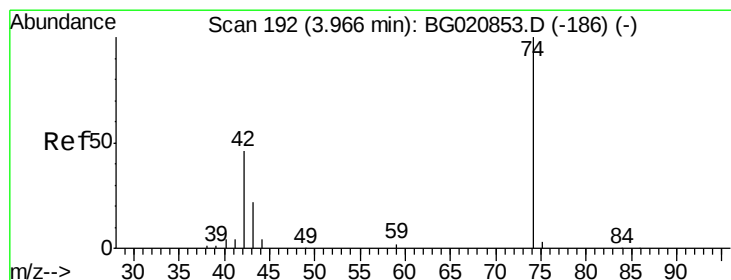
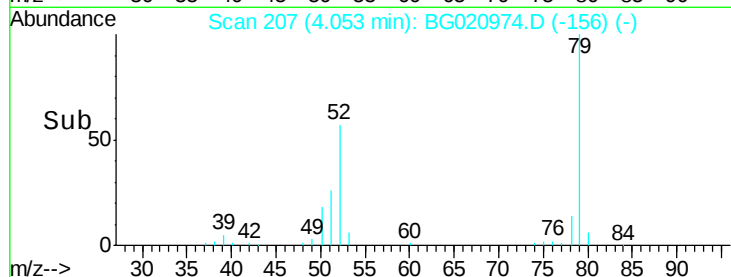
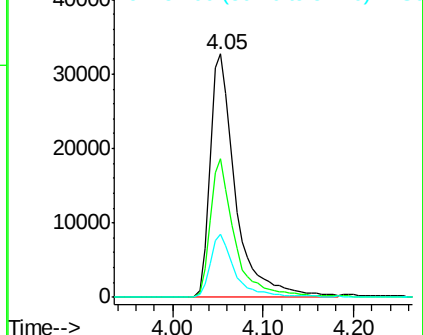
79 100

52 56.9 43.1 64.7

51 25.8 20.7 31.1



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



#4

n-Nitrosodimethylamine

Concen: 42.61 ng

RT: 3.95 min Scan# 190

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

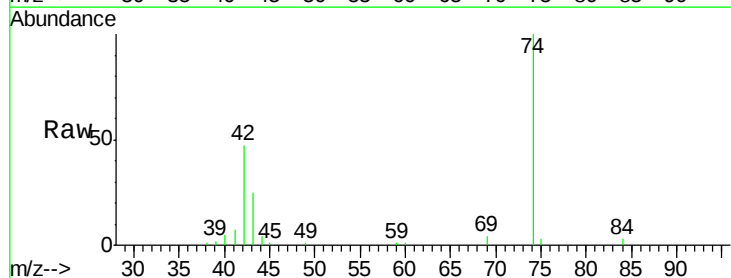
Tgt Ion: 42 Resp: 14624

Ion Ratio Lower Upper

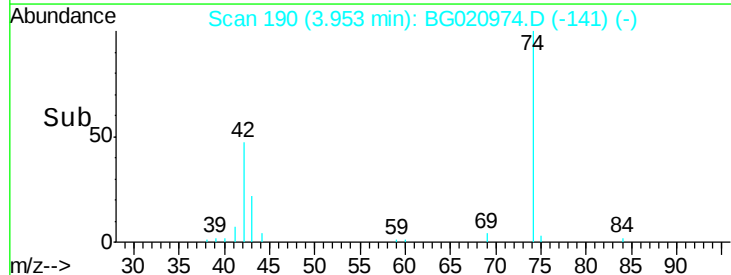
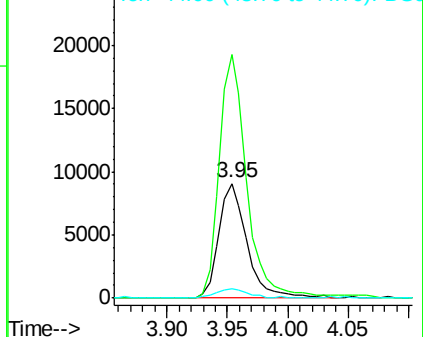
42 100

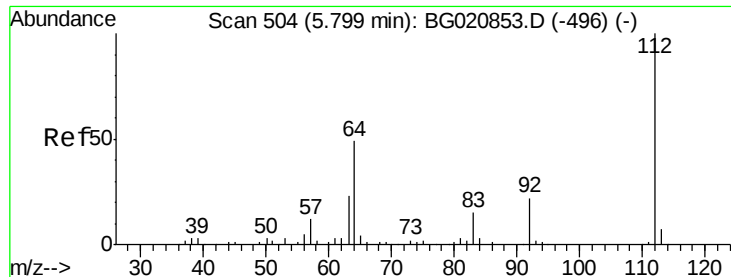
74 212.2 173.8 260.6

44 8.4 6.3 9.5



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: 136.80 ng

RT: 5.79 min Scan# 503

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

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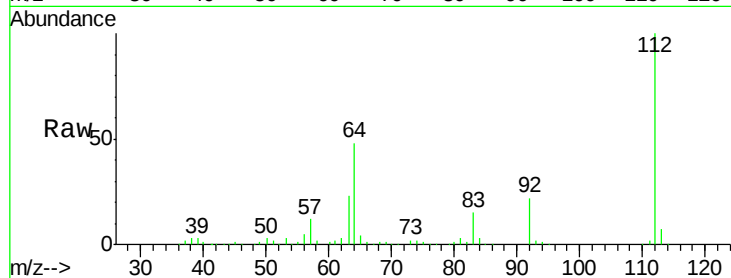
Tgt Ion: 112 Resp: 166874

Ion Ratio Lower Upper

112 100

64 47.7 39.3 58.9

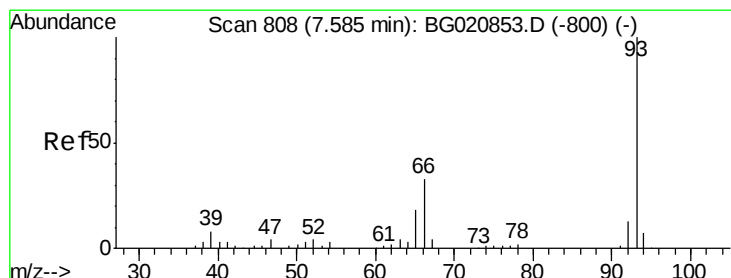
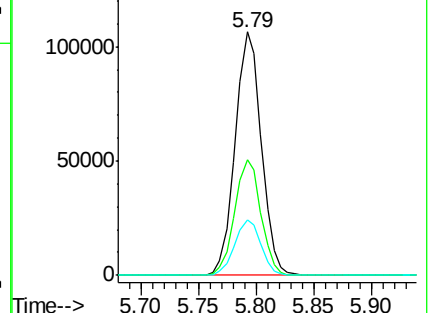
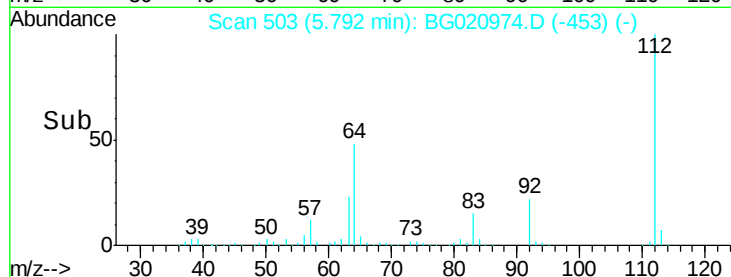
63 22.8 18.2 27.4



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 18.17 ng

RT: 7.58 min Scan# 807

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

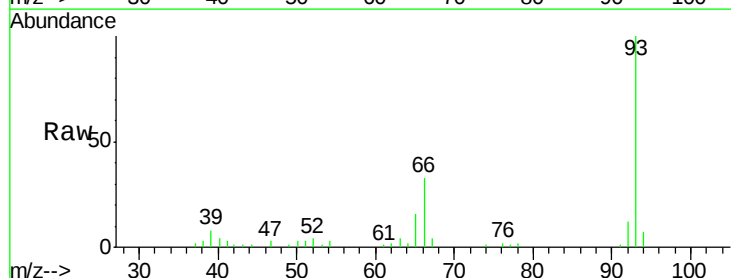
Tgt Ion: 93 Resp: 40397

Ion Ratio Lower Upper

93 100

66 33.0 26.6 40.0

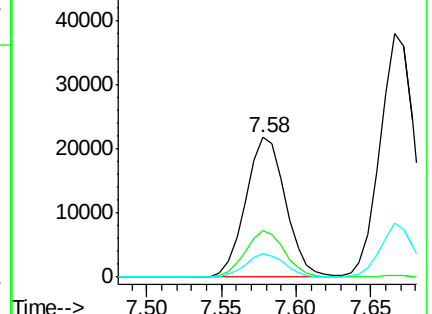
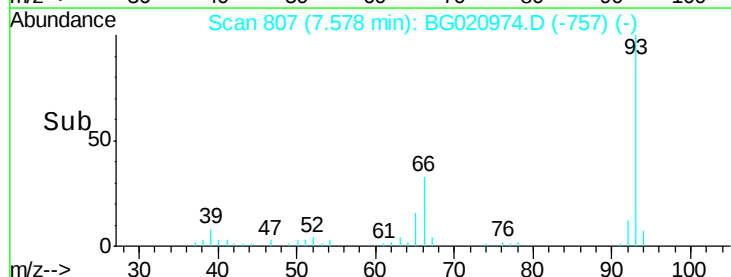
65 16.4 14.0 21.0

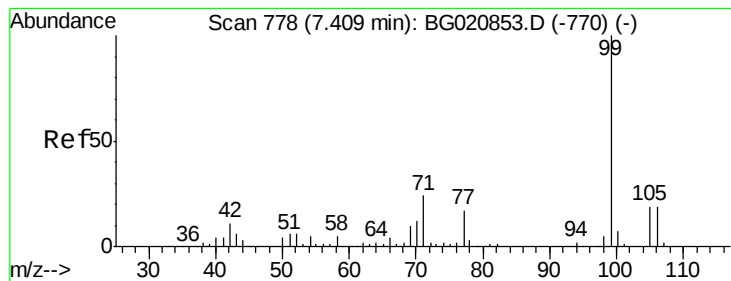


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 129.21 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG020974.D

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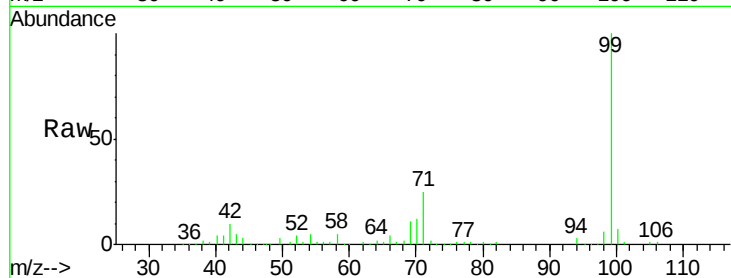
Tgt Ion: 99 Resp: 230382

Ion Ratio Lower Upper

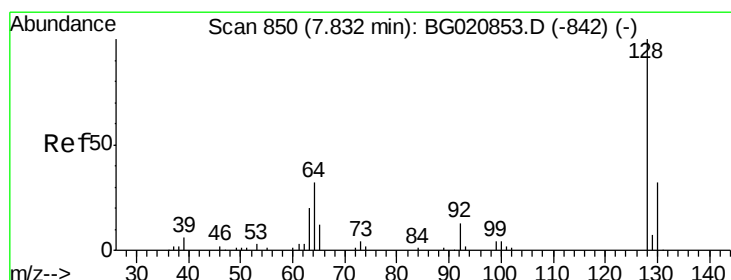
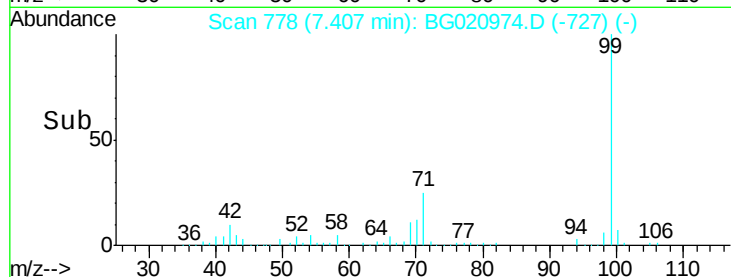
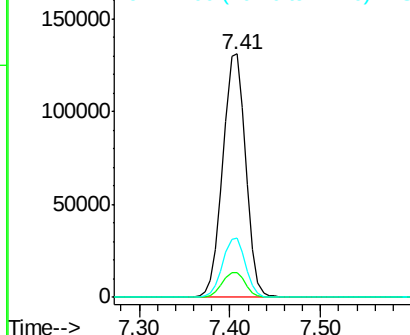
99 100

42 10.3 8.4 12.6

71 24.6 19.4 29.0



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: 42.79 ng

RT: 7.82 min Scan# 848

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

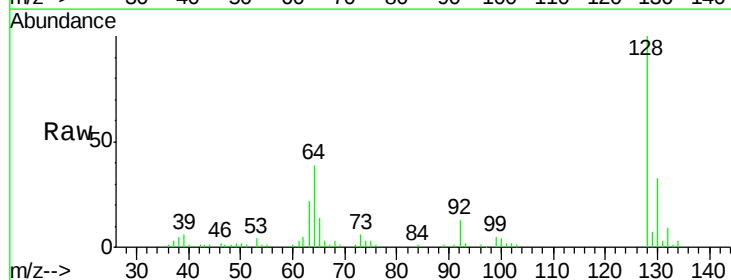
Tgt Ion:128 Resp: 65207

Ion Ratio Lower Upper

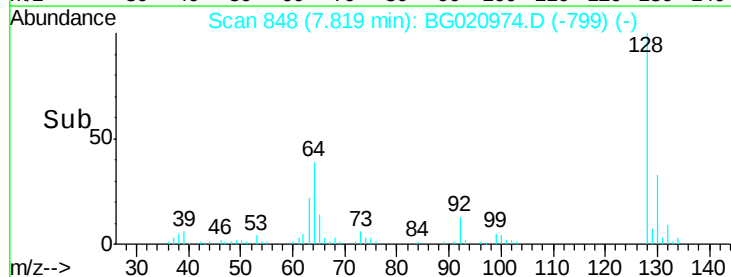
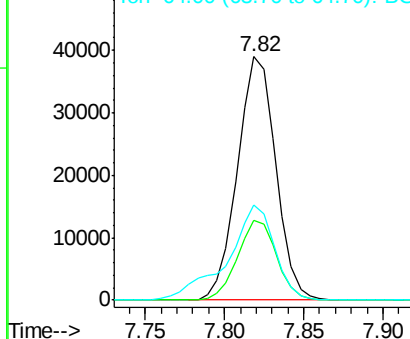
128 100

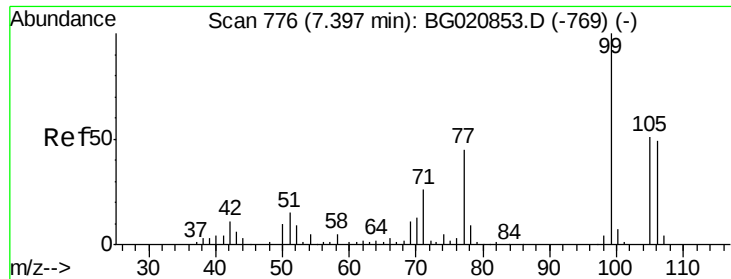
130 32.9 12.3 52.3

64 39.3 15.9 55.9



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: 8.06 ng

RT: 7.39 min Scan# 775

Delta R.T. -0.01 min

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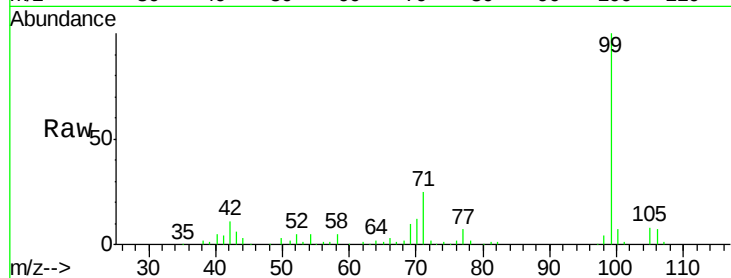
Tgt Ion: 77 Resp: 7198

Ion Ratio Lower Upper

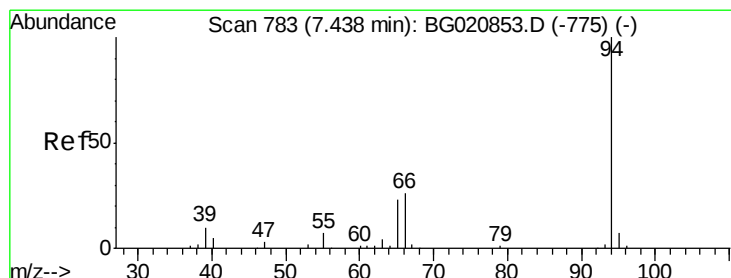
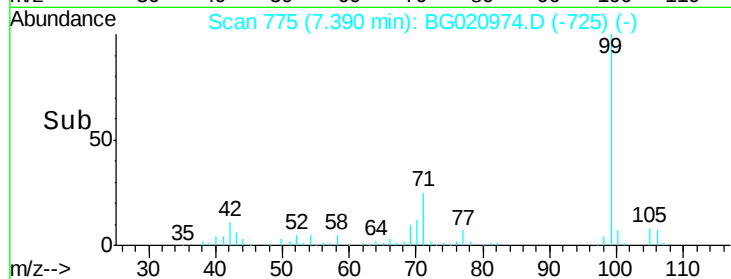
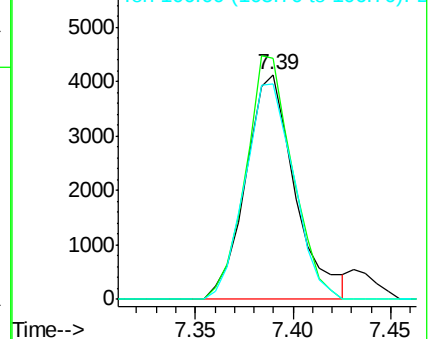
77 100

105 107.1 93.4 133.4

106 95.8 88.7 128.7



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: 42.06 ng

RT: 7.43 min Scan# 782

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

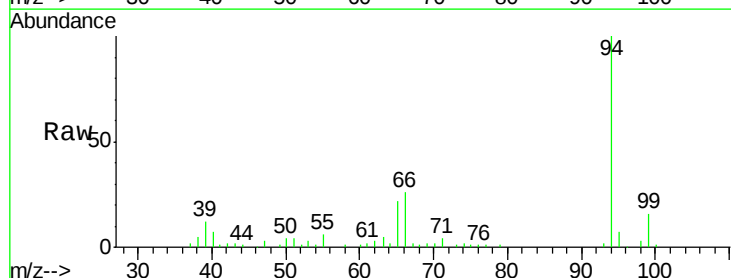
Tgt Ion: 94 Resp: 79363

Ion Ratio Lower Upper

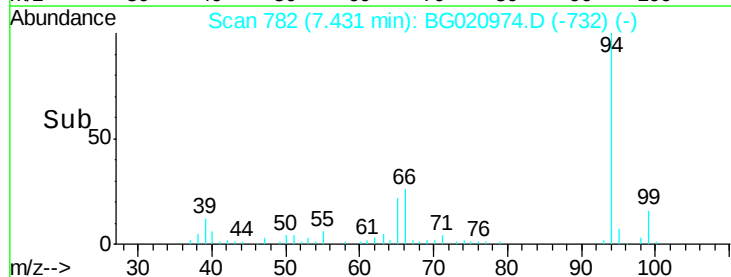
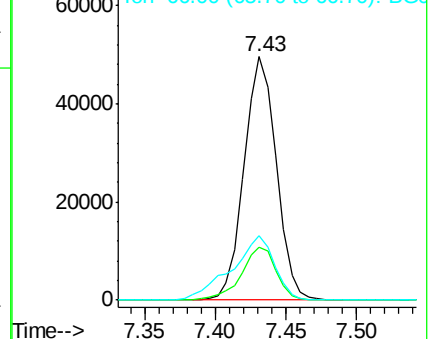
94 100

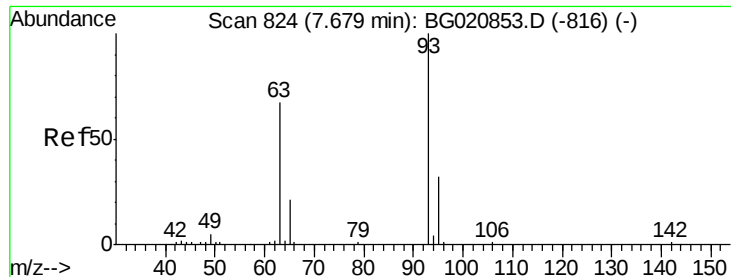
65 21.9 2.8 42.8

66 26.5 7.2 47.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 40.02 ng

RT: 7.67 min Scan# 822

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

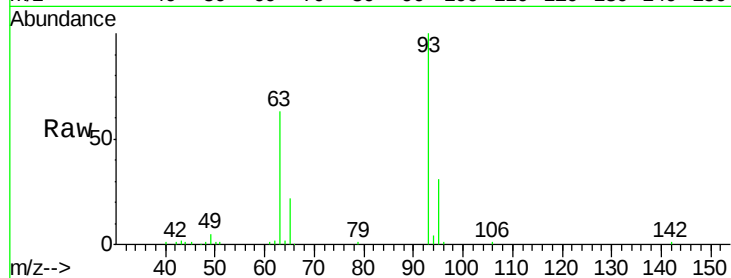
Tgt Ion: 93 Resp: 60312

Ion Ratio Lower Upper

93 100

63 62.5 46.4 86.4

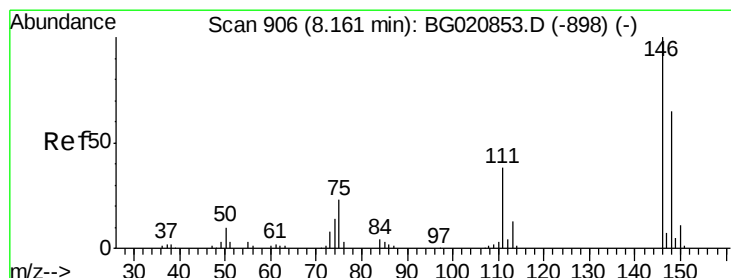
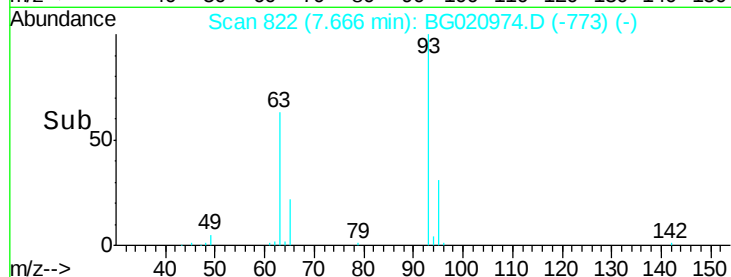
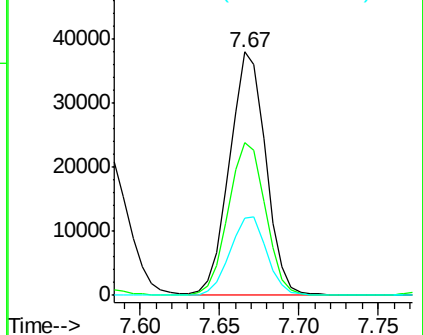
95 31.5 12.1 52.1



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 39.53 ng

RT: 8.15 min Scan# 904

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

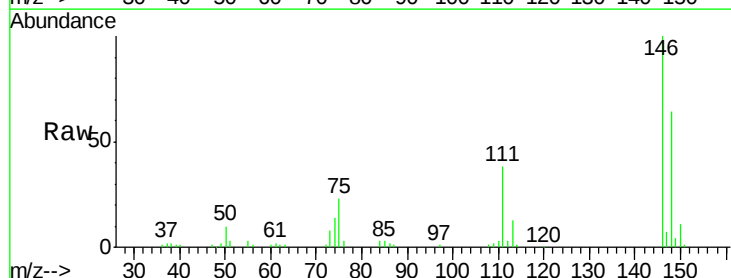
Tgt Ion: 146 Resp: 63695

Ion Ratio Lower Upper

146 100

148 64.4 51.8 77.8

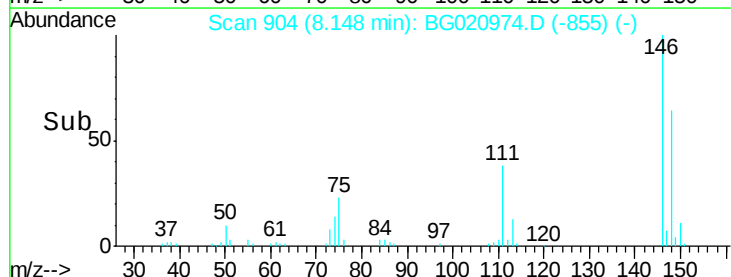
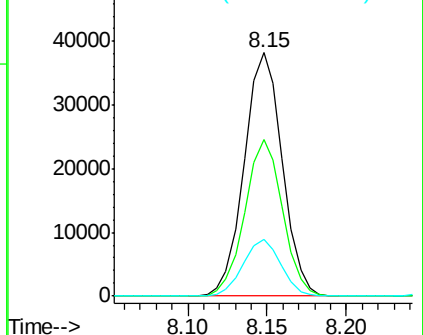
75 23.1 18.7 28.1

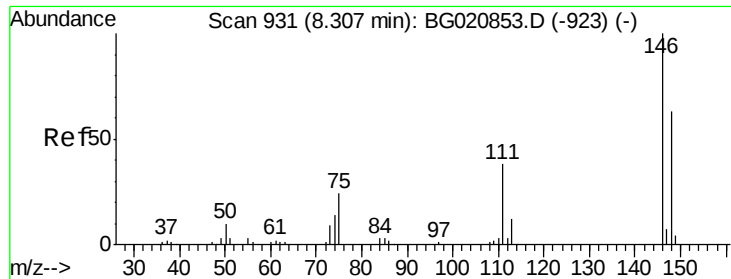


Abundance Ion 146.00 (145.70 to 146.70): BGC

Ion 148.00 (147.70 to 148.70): BGC

Ion 75.00 (74.70 to 75.70): BGC

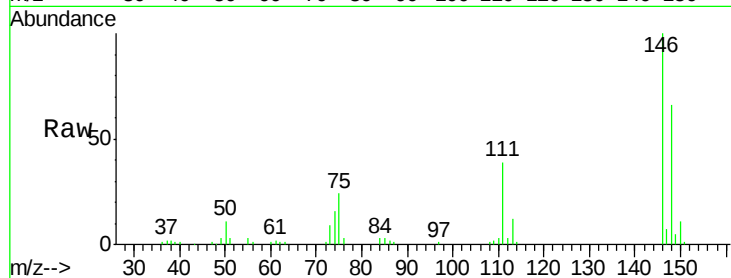




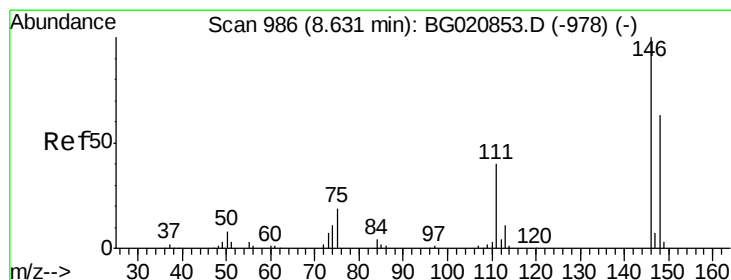
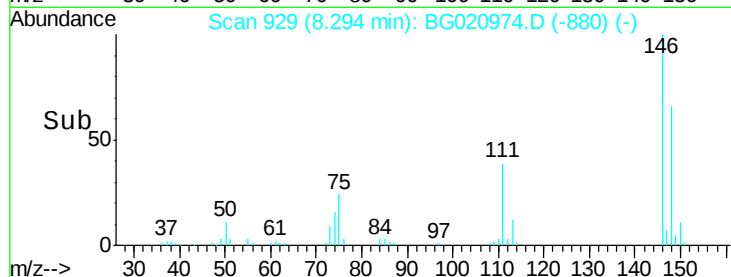
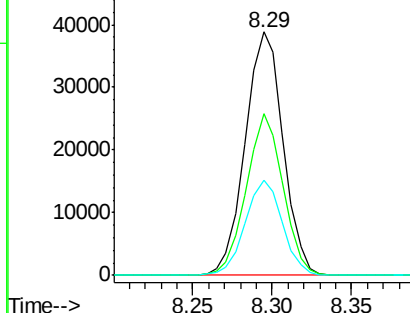
#13
 1,4-Dichlorobenzene
 Concen: 39.40 ng
 RT: 8.29 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

Tgt Ion:146 Resp: 64356
 Ion Ratio Lower Upper
 146 100
 148 66.3 50.8 76.2
 111 39.3 30.1 45.1

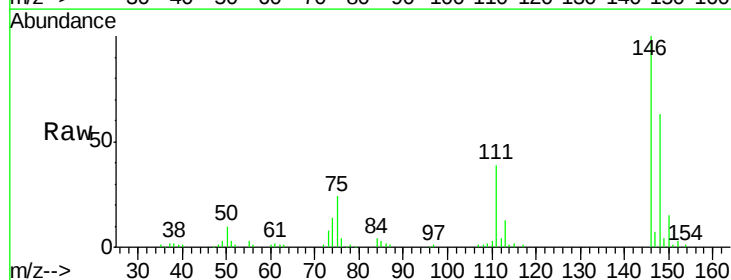


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

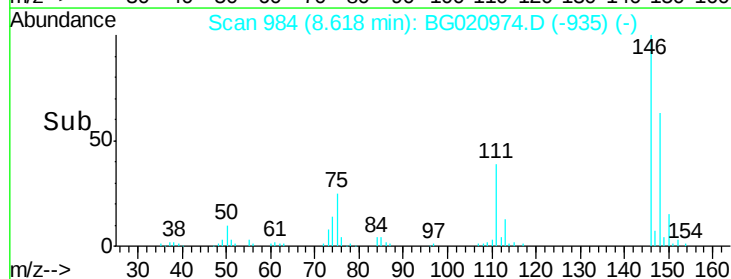
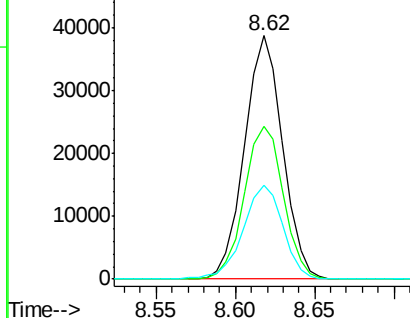


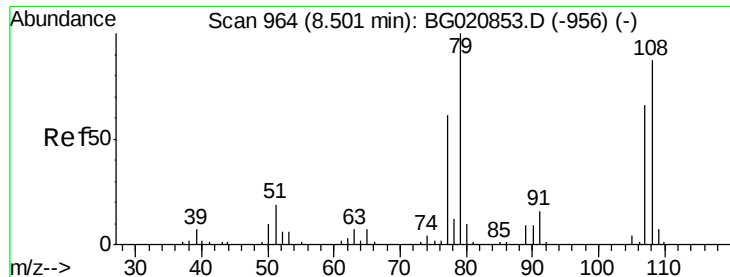
#14
 1,2-Dichlorobenzene
 Concen: 40.64 ng
 RT: 8.62 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

Tgt Ion:146 Resp: 64592
 Ion Ratio Lower Upper
 146 100
 148 62.8 50.6 76.0
 111 38.8 32.6 48.8



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





#15

Benzyl Alcohol

Concen: 43.93 ng

RT: 8.49 min Scan# 963

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

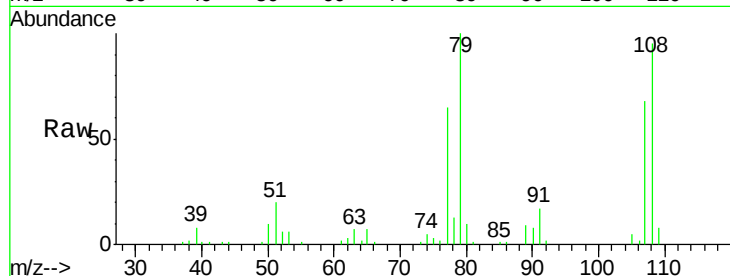
Tgt Ion: 79 Resp: 49371

Ion Ratio Lower Upper

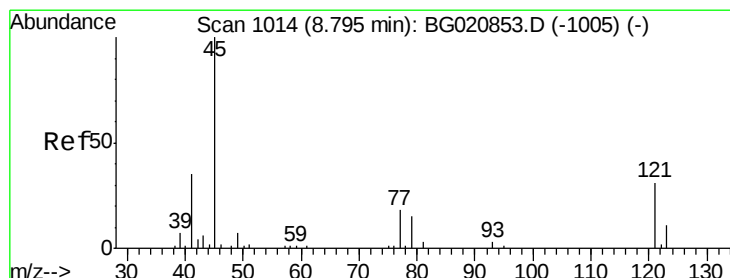
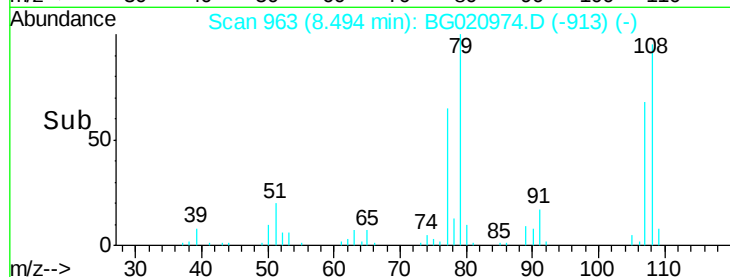
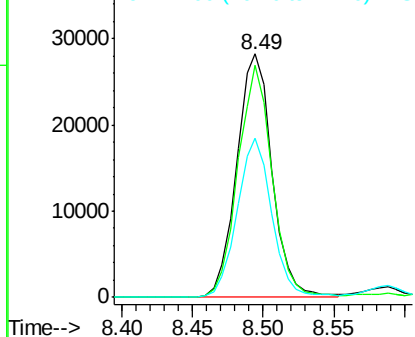
79 100

108 95.4 69.4 104.2

77 65.2 48.6 73.0



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.83 ng

RT: 8.79 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

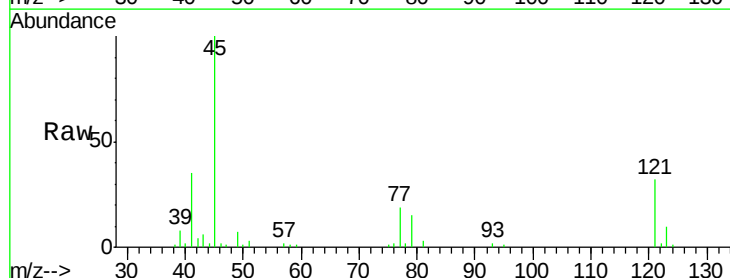
Tgt Ion: 45 Resp: 59471

Ion Ratio Lower Upper

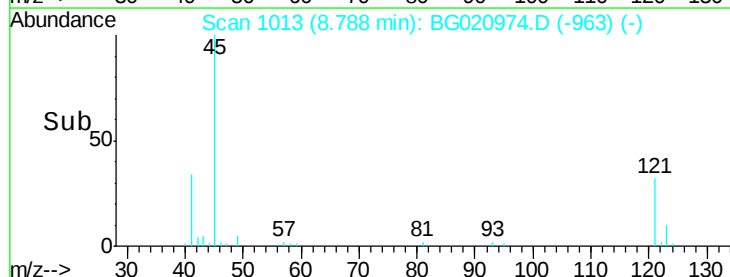
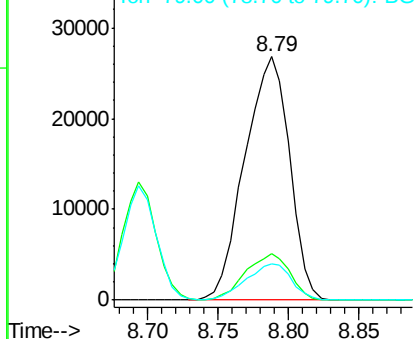
45 100

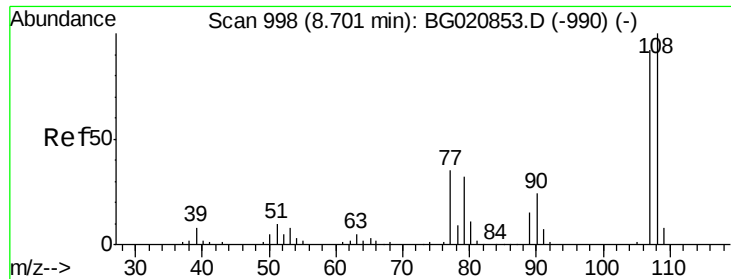
77 19.0 0.0 38.5

79 15.0 0.0 34.9



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

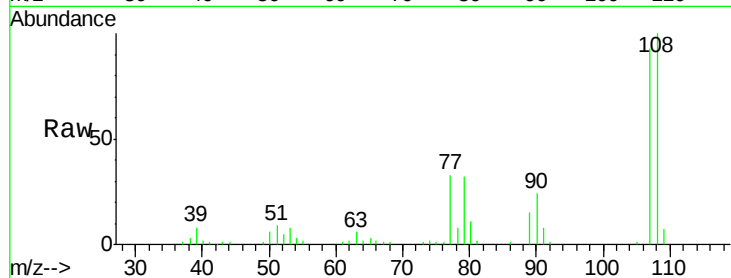




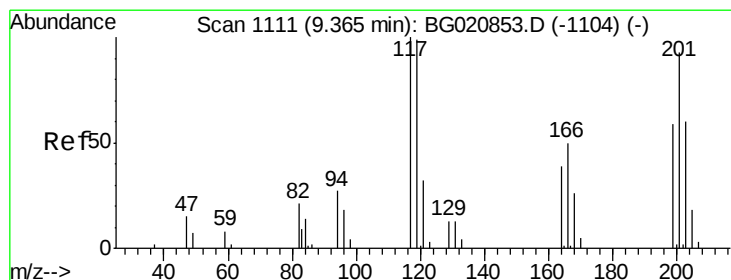
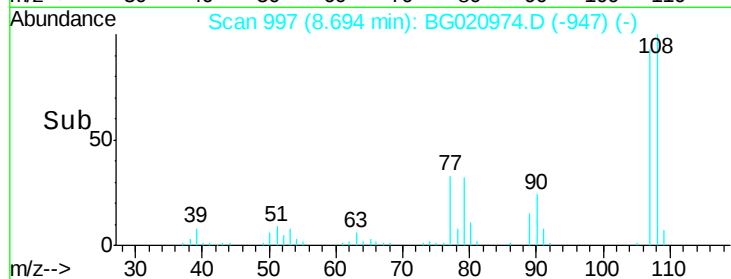
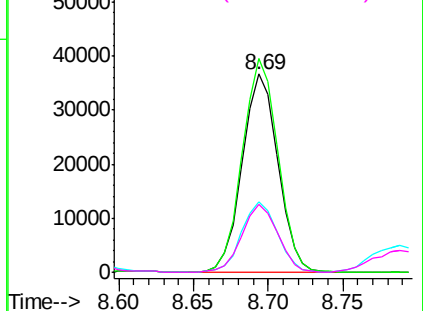
#17
2-Methylphenol
Concen: 44.65 ng
RT: 8.69 min Scan# 997
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

Tgt Ion:107 Resp: 60695
Ion Ratio Lower Upper
107 100
108 107.7 87.0 130.4
77 35.5 30.1 45.1
79 34.3 27.4 41.2

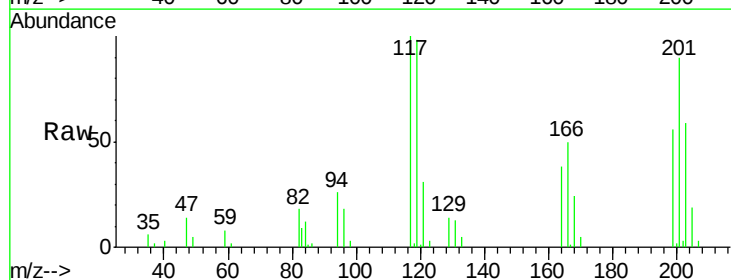


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

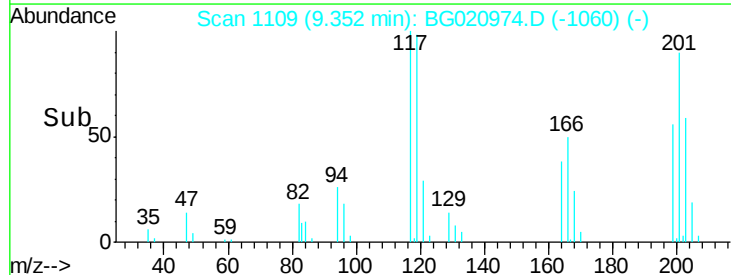
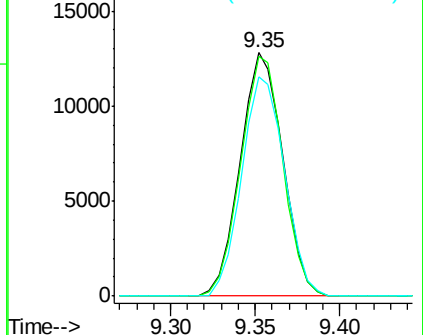


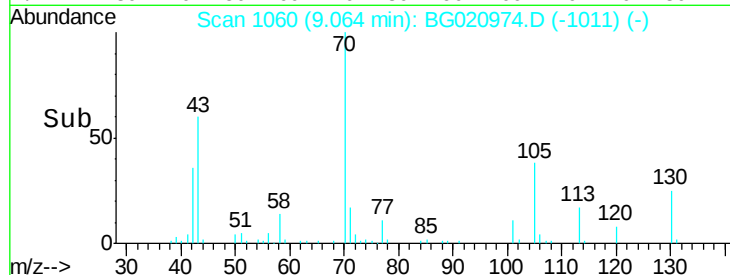
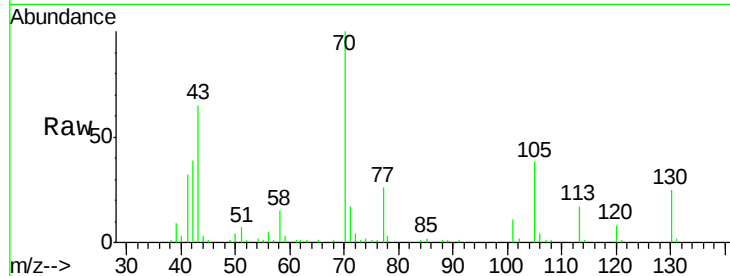
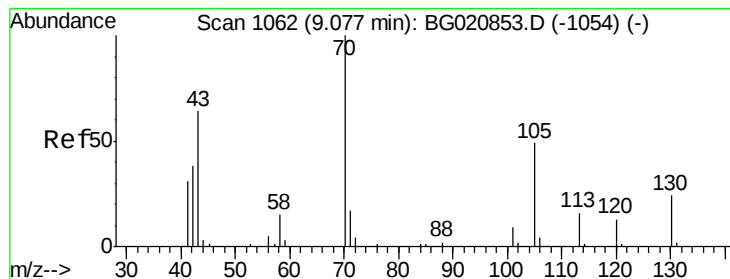
#18
Hexachloroethane
Concen: 39.85 ng
RT: 9.35 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Tgt Ion:117 Resp: 22382
Ion Ratio Lower Upper
117 100
119 98.4 79.6 119.4
201 89.8 74.5 111.7



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: 41.07 ng

RT: 9.06 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

Tgt Ion: 70 Resp: 47250

Ion Ratio Lower Upper

70 100

42 38.9 30.9 46.3

101 10.6 7.3 10.9

130 25.0 19.4 29.0

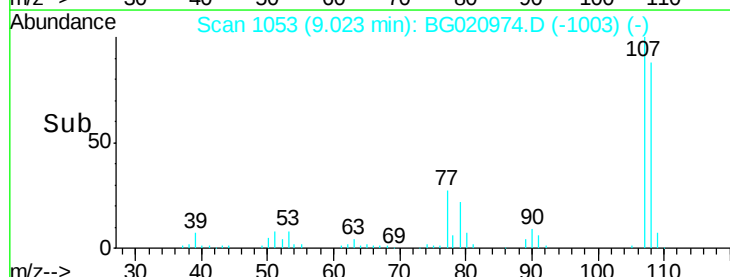
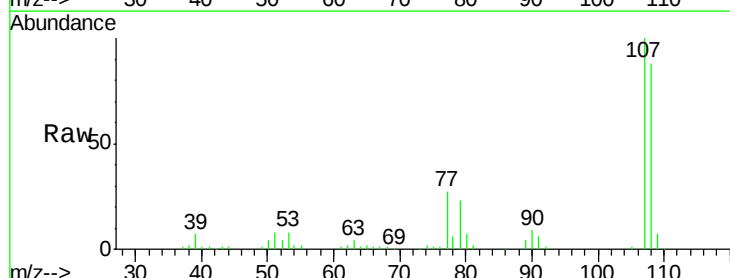
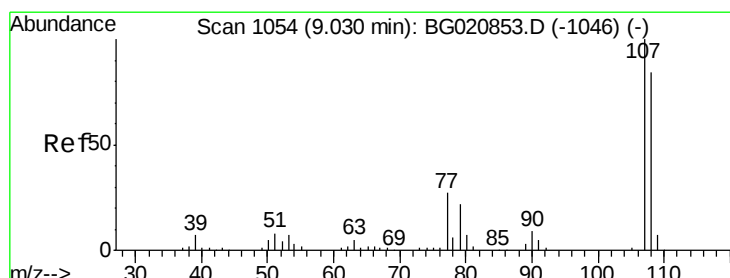
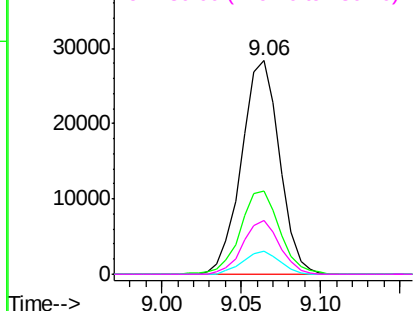
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20

3+4-Methylphenols

Concen: 44.19 ng

RT: 9.02 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Tgt Ion: 107 Resp: 83711

Ion Ratio Lower Upper

107 100

108 88.2 64.4 104.4

77 26.8 7.1 47.1

79 22.8 1.9 41.9

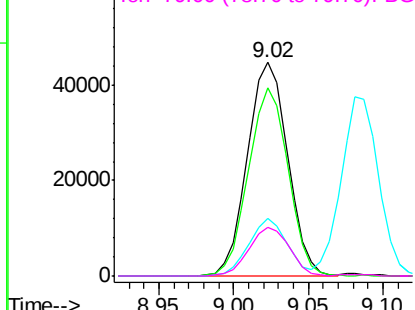
Abundance

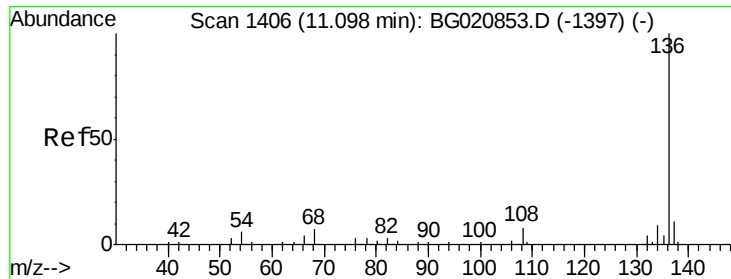
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

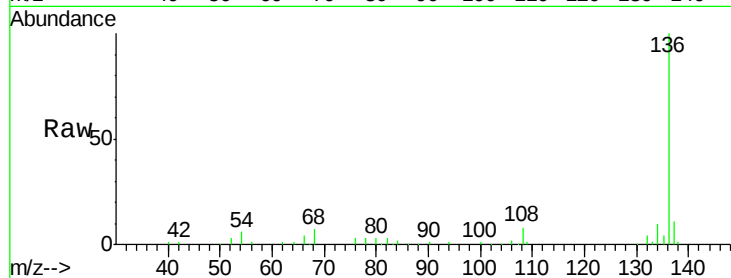




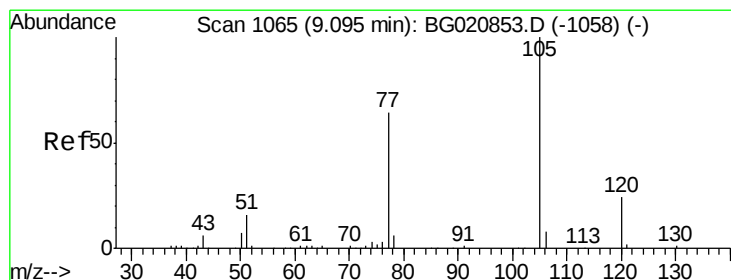
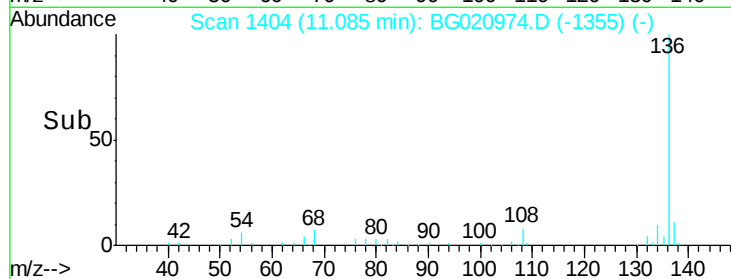
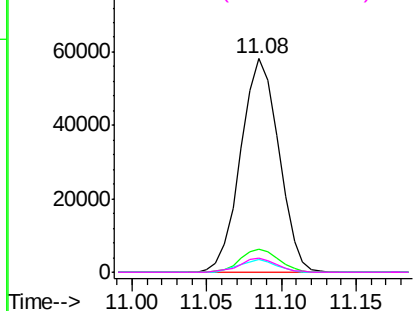
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.08 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

Tgt Ion:	136	Resp:	102975
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.1	5.0	7.4
68	6.7	5.2	7.8

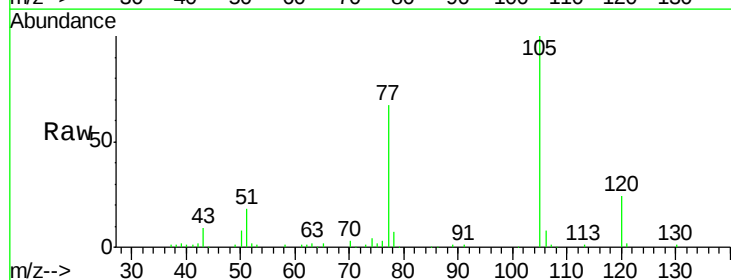


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

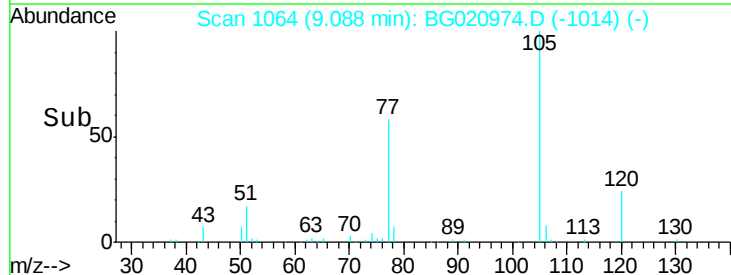
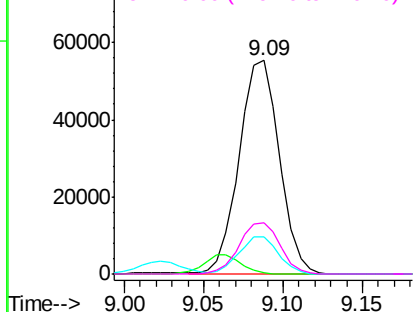


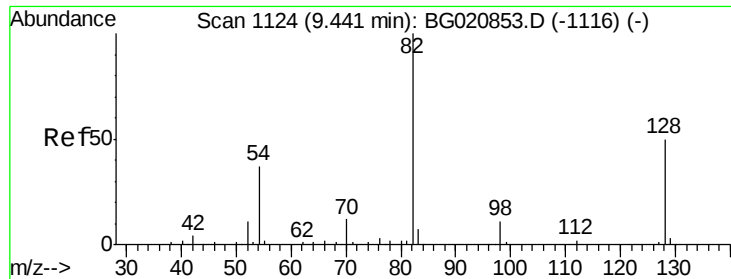
#22
Acetophenone
Concen: 39.33 ng
RT: 9.09 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Tgt Ion:	105	Resp:	97633
Ion	Ratio	Lower	Upper
105	100		
71	0.5	1.4	2.0#
51	17.6	13.7	20.5
120	24.1	19.0	28.6



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

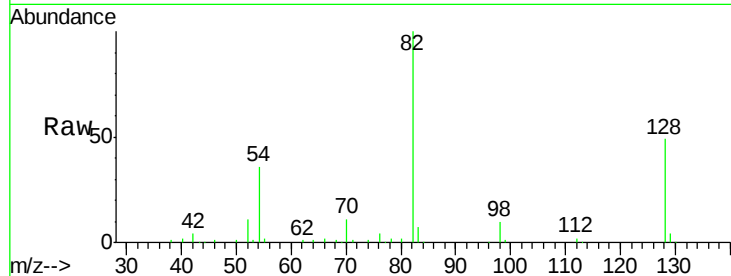




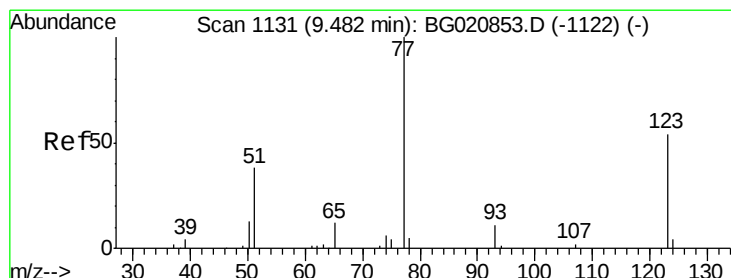
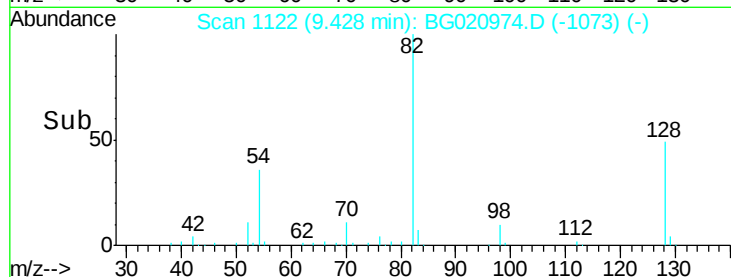
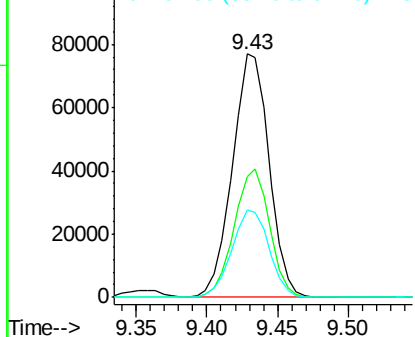
#23
Nitrobenzene-d5
Concen: 88.97 ng
RT: 9.43 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

Tgt Ion: 82 Resp: 139333
Ion Ratio Lower Upper
82 100
128 49.5 40.1 60.1
54 36.2 29.5 44.3

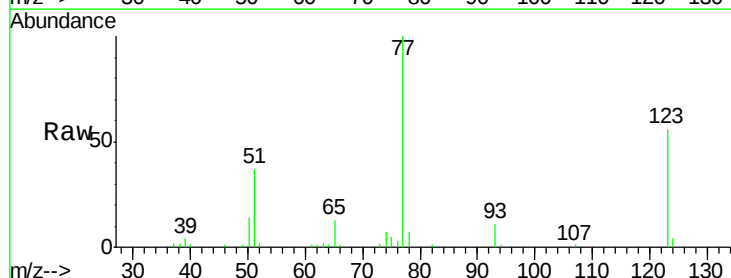


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

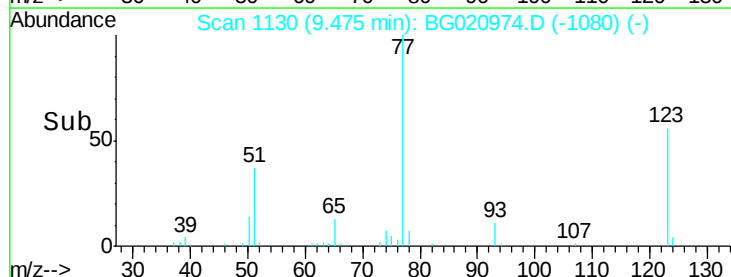
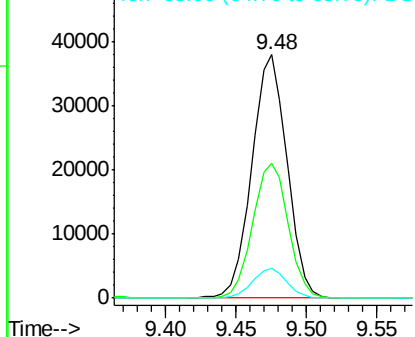


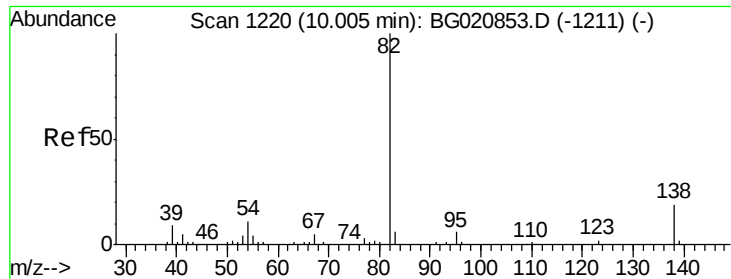
#24
Nitrobenzene
Concen: 40.69 ng
RT: 9.48 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Tgt Ion: 77 Resp: 66429
Ion Ratio Lower Upper
77 100
123 55.5 43.2 64.8
65 12.5 9.2 13.8



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 41.85 ng

RT: 9.99 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

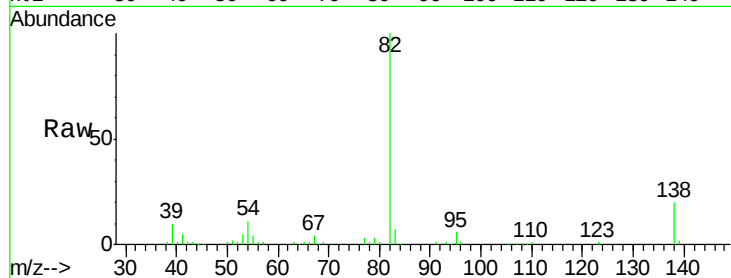
Tgt Ion: 82 Resp: 138161

Ion Ratio Lower Upper

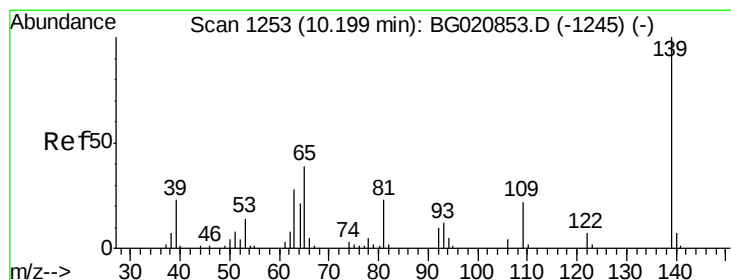
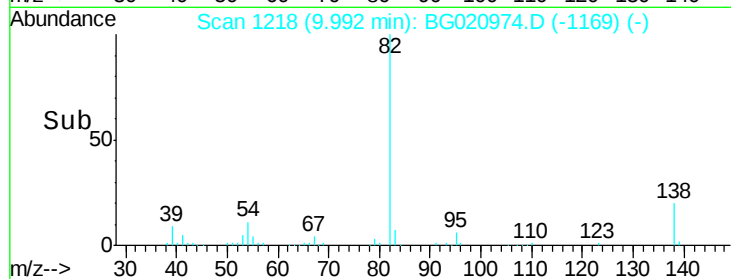
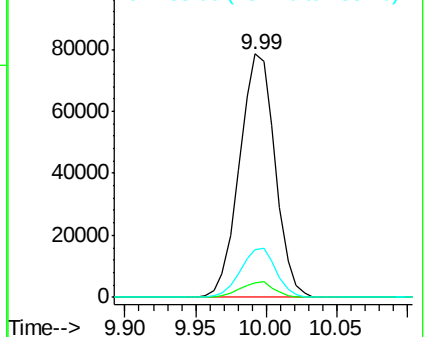
82 100

95 6.2 4.8 7.2

138 19.6 15.4 23.0



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



#26

2-Nitrophenol

Concen: 43.17 ng

RT: 10.19 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

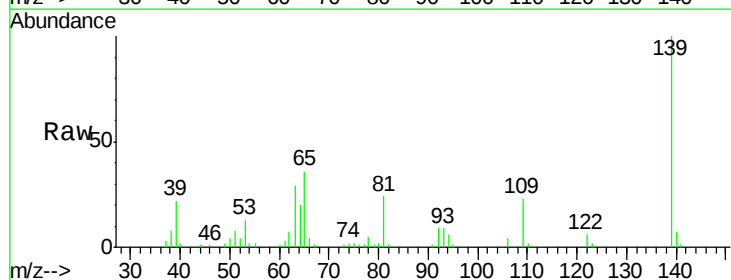
Tgt Ion: 139 Resp: 37091

Ion Ratio Lower Upper

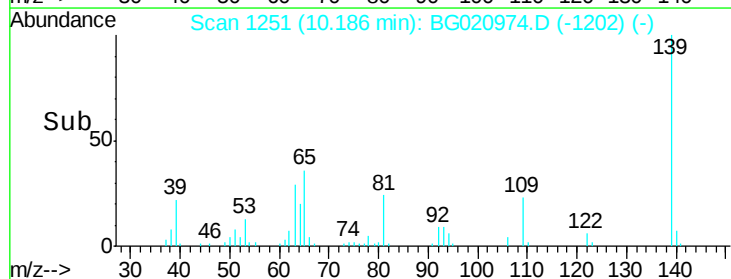
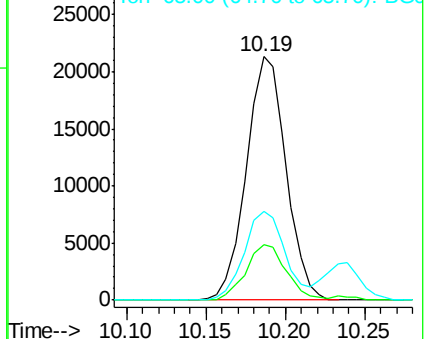
139 100

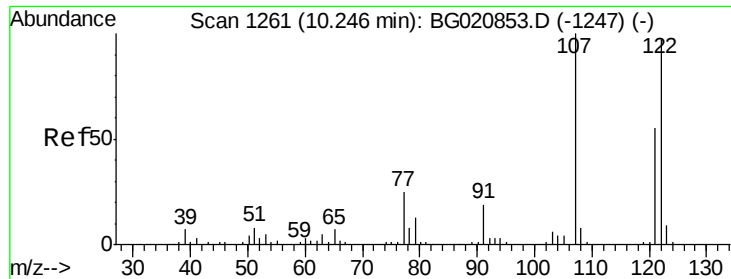
109 22.7 17.6 26.4

65 36.4 31.0 46.6



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

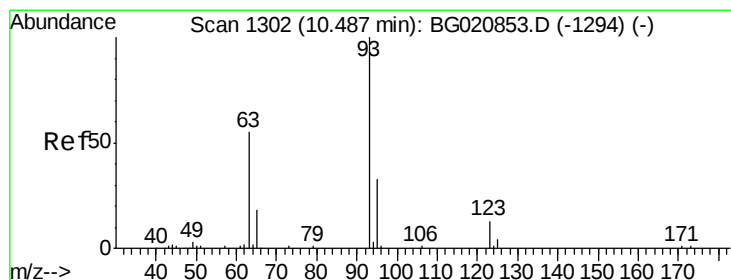
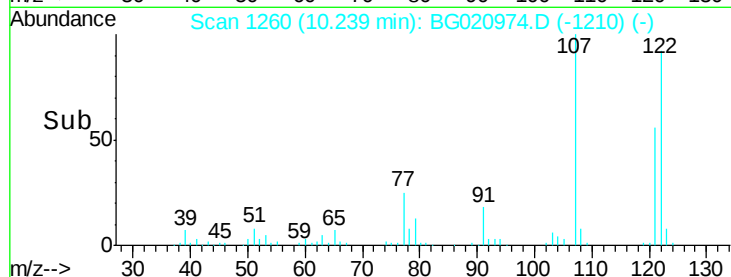
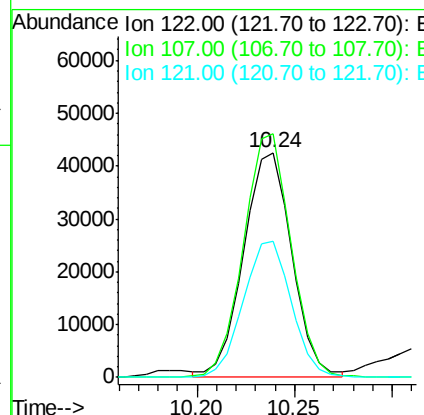
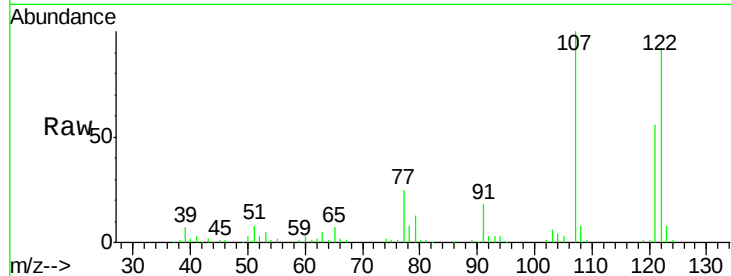




#27
2,4-Dimethylphenol
Concen: 44.15 ng
RT: 10.24 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

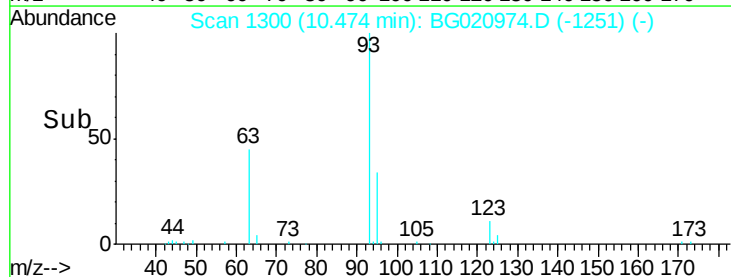
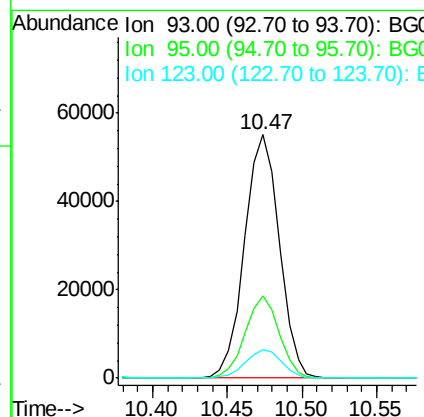
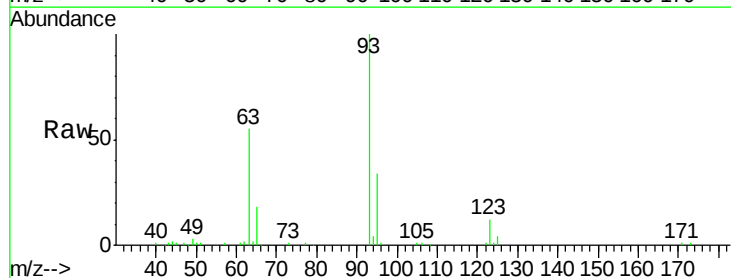
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

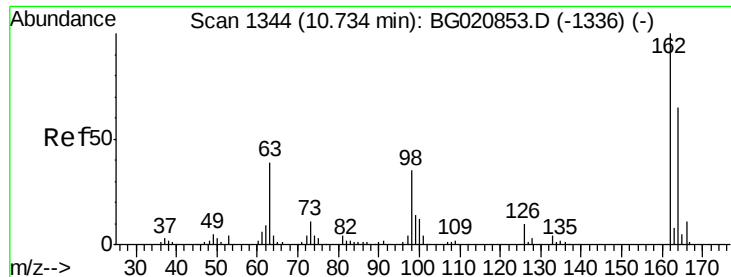
Tgt Ion: 122 Resp: 72690
Ion Ratio Lower Upper
122 100
107 108.4 82.6 124.0
121 60.8 45.6 68.4



#28
bis(2-Chloroethoxy)methane
Concen: 43.72 ng
RT: 10.47 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Tgt Ion: 93 Resp: 88942
Ion Ratio Lower Upper
93 100
95 33.6 26.2 39.2
123 12.0 10.0 15.0

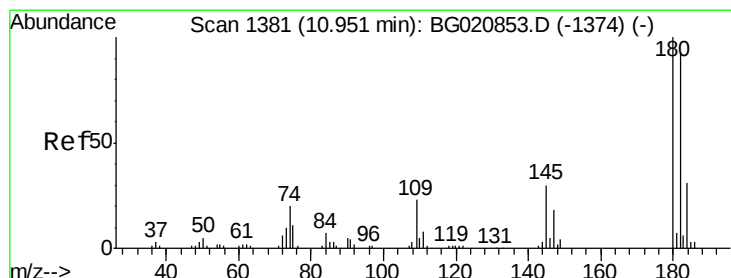
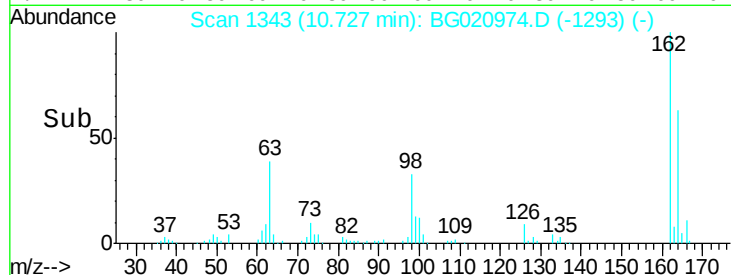
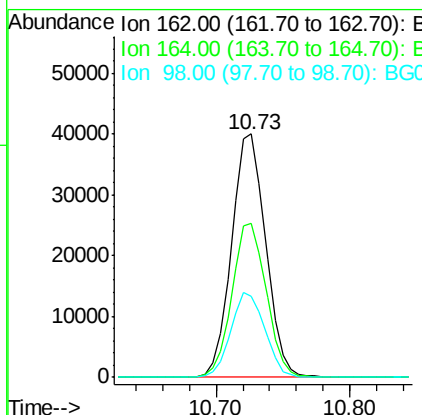
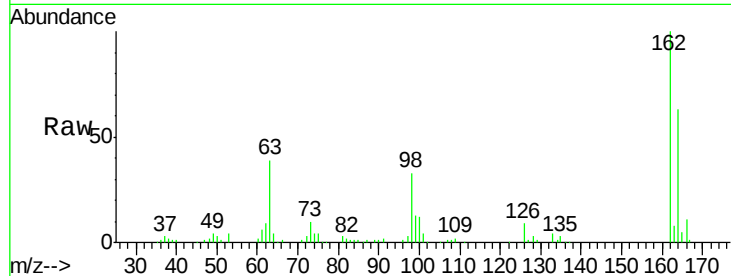




#29
 2,4-Dichlorophenol
 Concen: 48.08 ng
 RT: 10.73 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

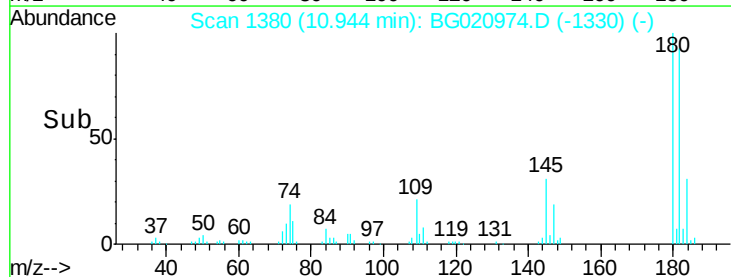
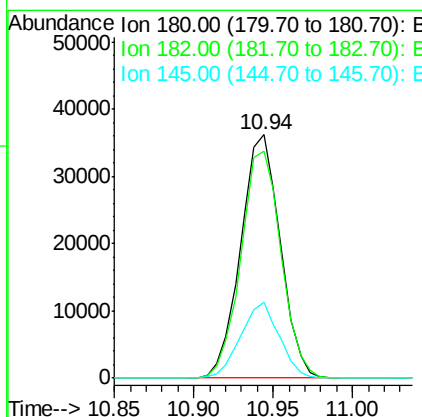
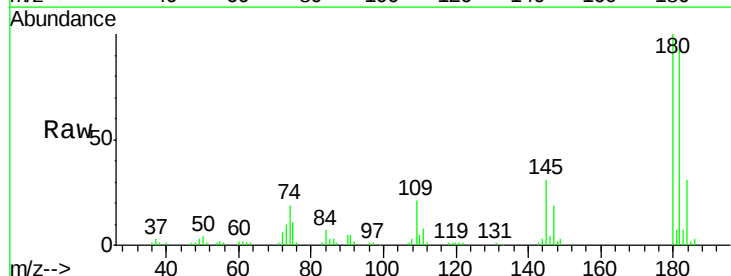
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

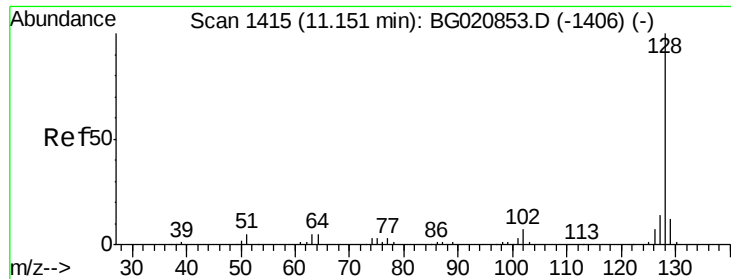
Tgt Ion:162 Resp: 70948
 Ion Ratio Lower Upper
 162 100
 164 63.2 44.5 84.5
 98 33.0 14.9 54.9



#30
 1,2,4-Trichlorobenzene
 Concen: 42.16 ng
 RT: 10.94 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

Tgt Ion:180 Resp: 62657
 Ion Ratio Lower Upper
 180 100
 182 93.3 74.1 111.1
 145 31.3 24.1 36.1

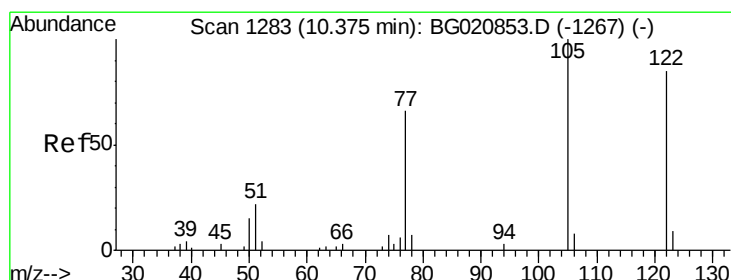
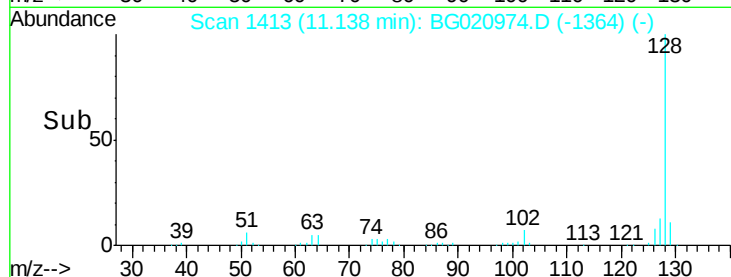
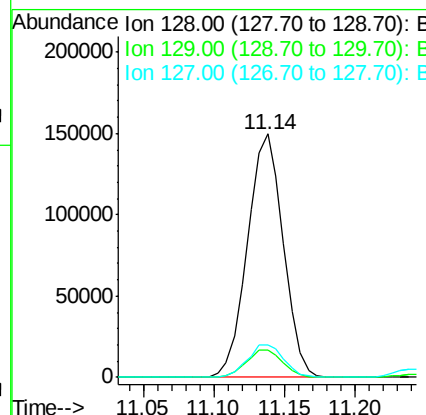
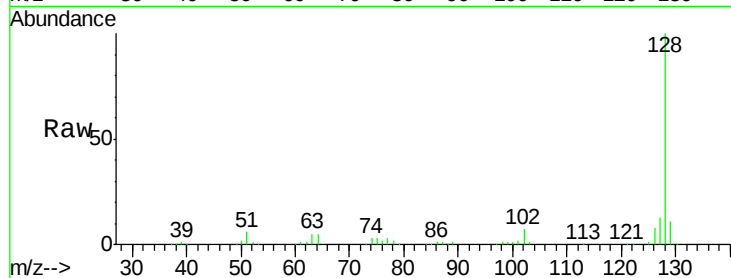




#31
Naphthalene
Concen: 49.89 ng
RT: 11.14 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

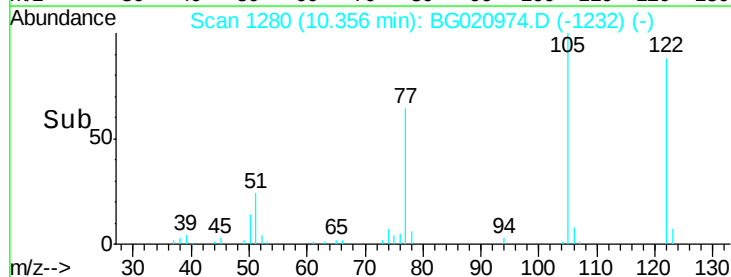
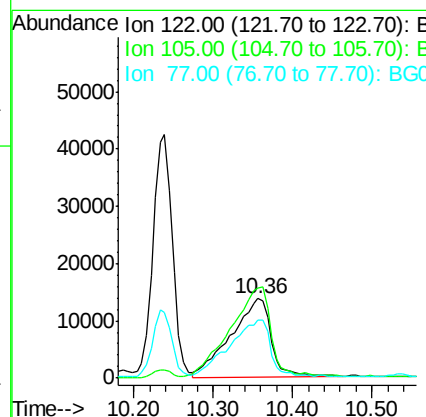
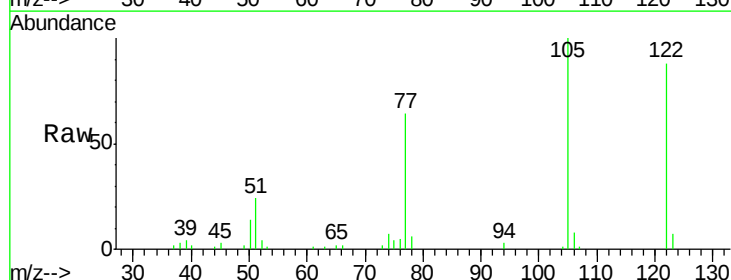
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

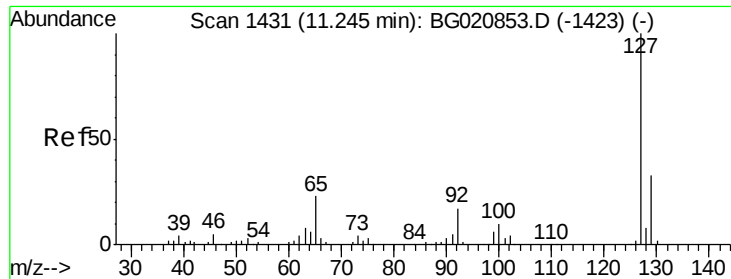
Tgt Ion:128 Resp: 265755
Ion Ratio Lower Upper
128 100
129 11.1 9.3 13.9
127 13.5 11.4 17.2



#32
Benzoic acid
Concen: 36.14 ng
RT: 10.36 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Tgt Ion:122 Resp: 47722
Ion Ratio Lower Upper
122 100
105 113.6 94.0 134.0
77 72.8 56.8 96.8

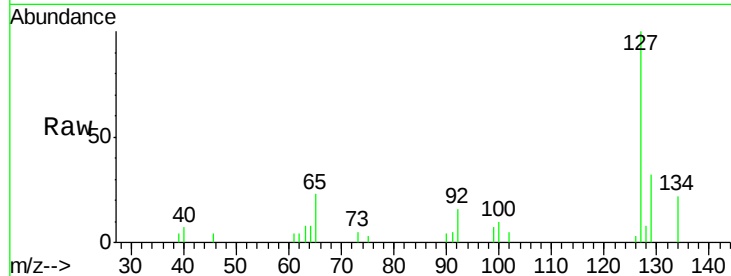




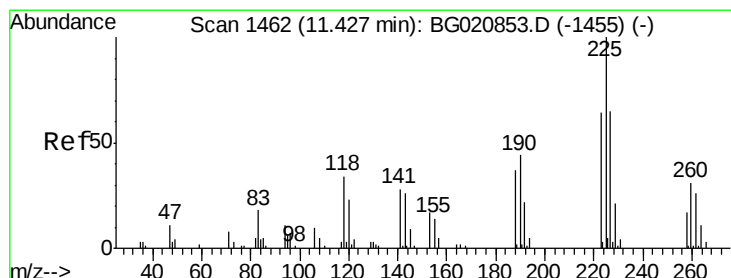
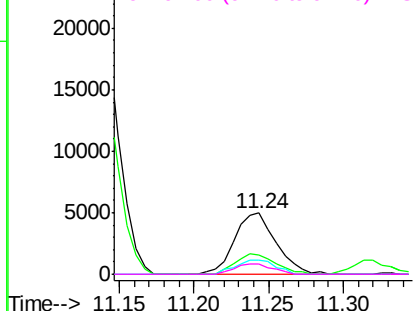
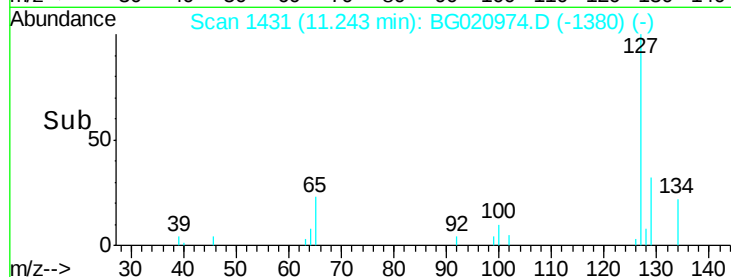
#33
4-Chloroaniline
Concen: 4.21 ng
RT: 11.24 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

Tgt Ion:	127	Resp:	9639
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.2	39.4
65	22.9	18.6	27.8
92	16.2	13.3	19.9

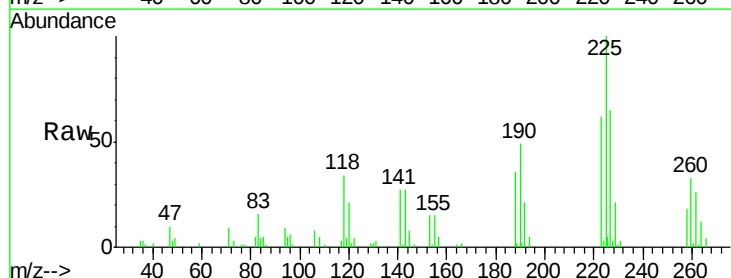


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

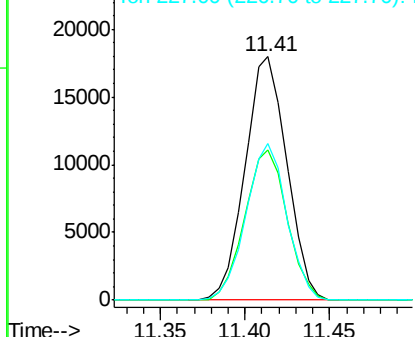
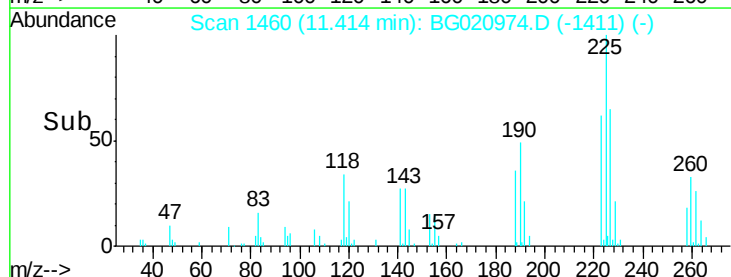


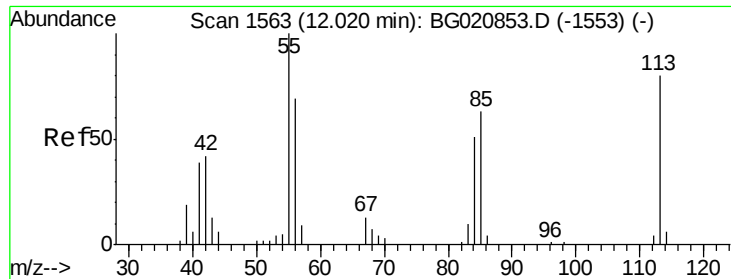
#34
Hexachlorobutadiene
Concen: 40.64 ng
RT: 11.41 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Tgt Ion:	225	Resp:	30787
Ion	Ratio	Lower	Upper
225	100		
223	61.8	51.0	76.6
227	64.5	51.7	77.5



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





#35

Caprolactam

Concen: 28.14 ng

RT: 12.01 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

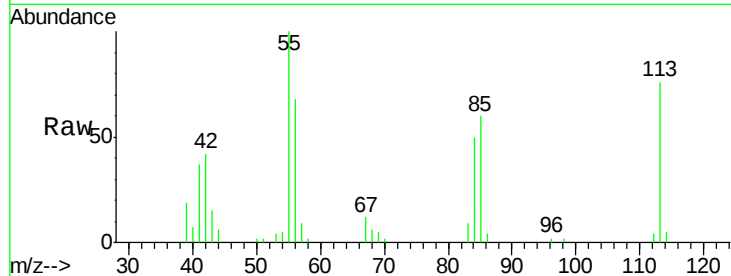
Tgt Ion:113 Resp: 15912

Ion Ratio Lower Upper

113 100

55 131.9 104.4 144.4

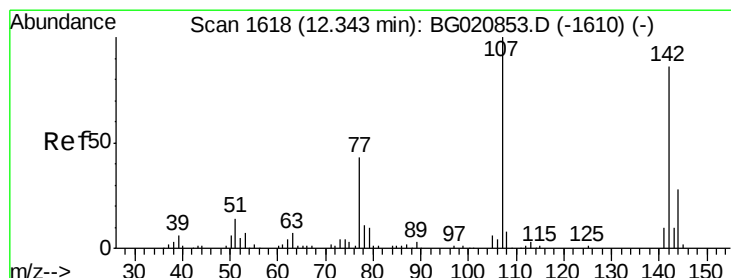
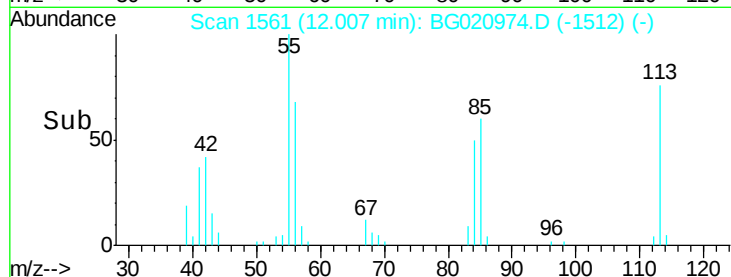
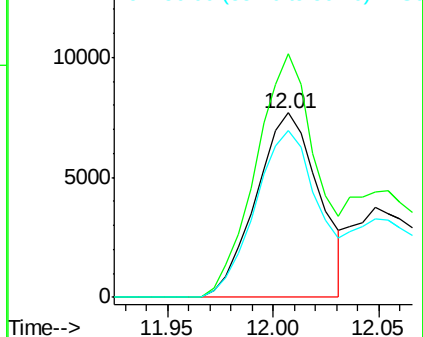
56 90.1 65.4 105.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 50.19 ng

RT: 12.34 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

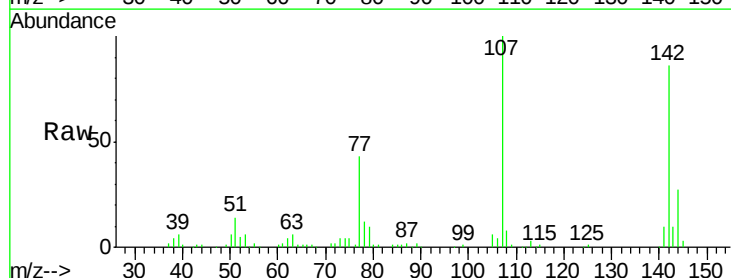
Tgt Ion:107 Resp: 84848

Ion Ratio Lower Upper

107 100

144 27.5 22.4 33.6

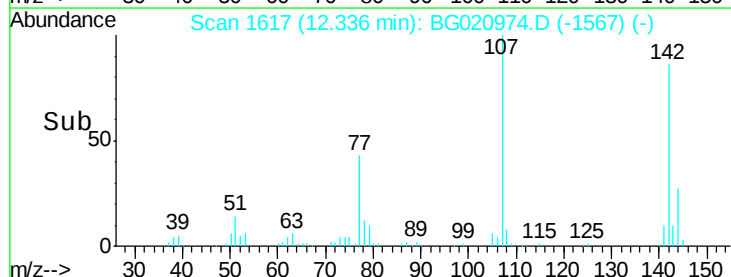
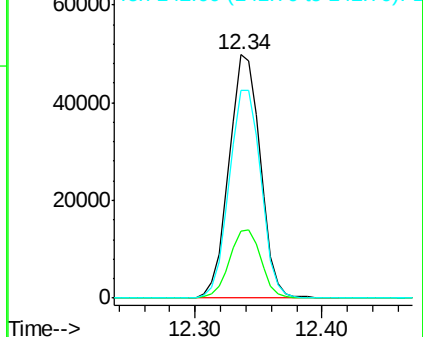
142 85.6 68.6 103.0

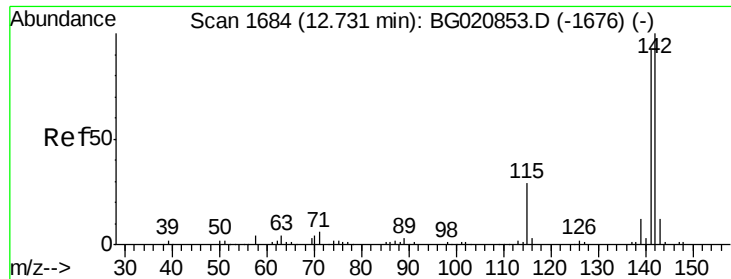


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

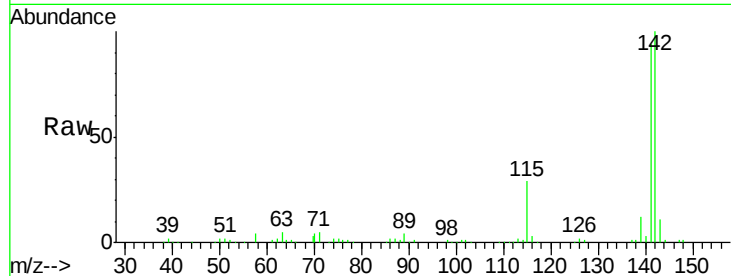




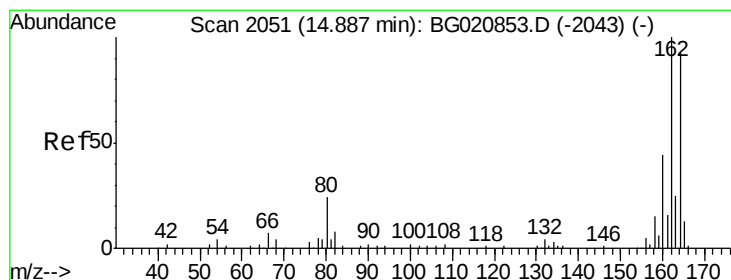
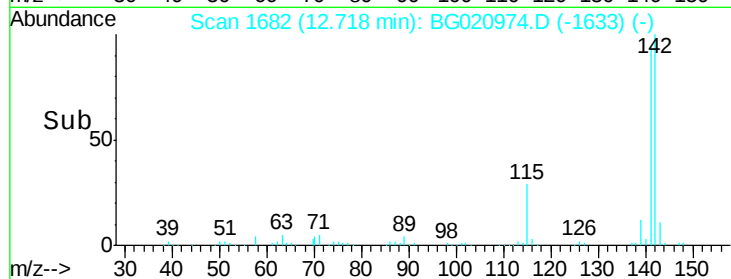
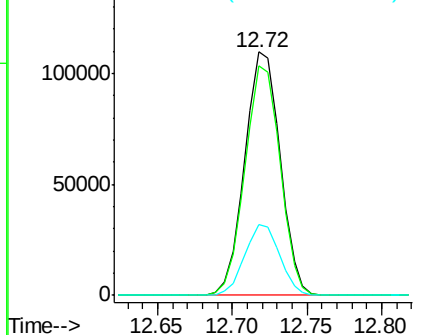
#37
 2-Methylnaphthalene
 Concen: 48.10 ng
 RT: 12.72 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.4	73.4	110.2
115	28.9	23.0	34.6

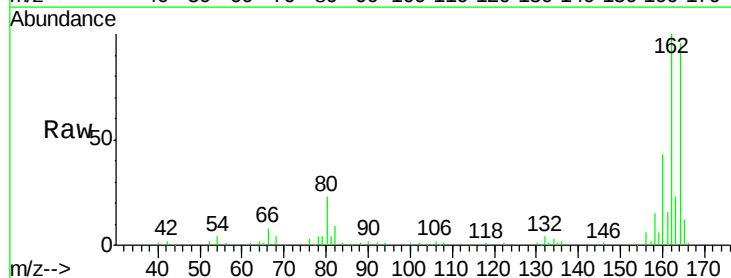


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

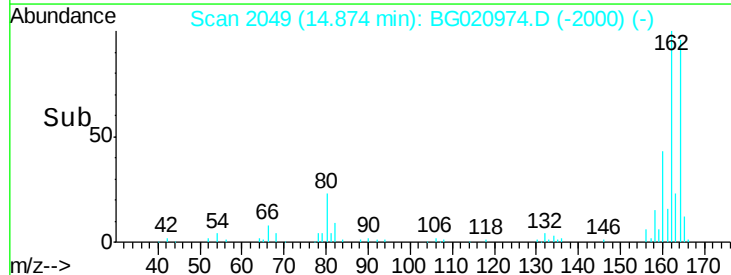
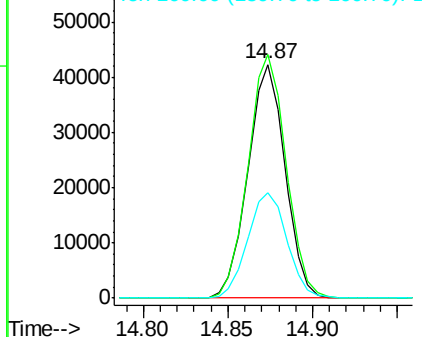


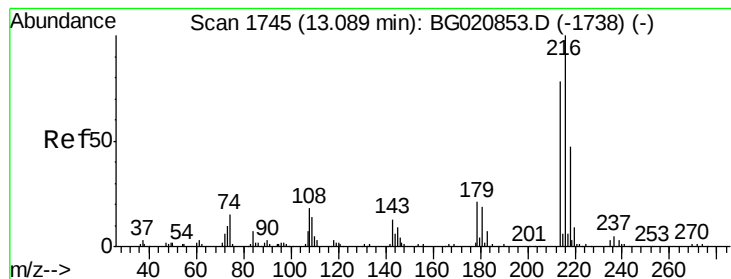
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.87 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	85.7	128.5
160	45.3	37.4	56.0



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.73 ng

RT: 13.08 min Scan# 1744

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

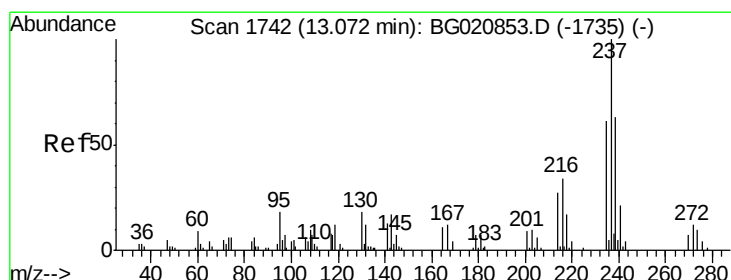
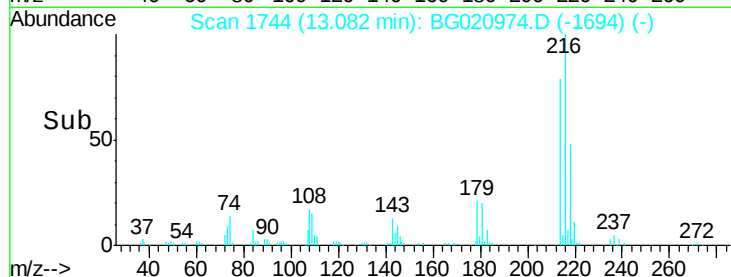
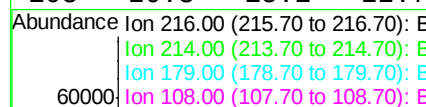
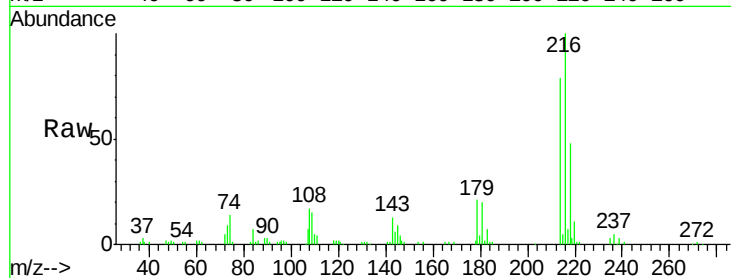
Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

Tgt Ion:	216	Resp:	73447
Ion	Ratio	Lower	Upper
216	100		
214	79.8	61.9	92.9
179	20.8	16.5	24.7
108	20.3	15.1	22.7



#40

Hexachlorocyclopentadiene

Concen: 76.92 ng

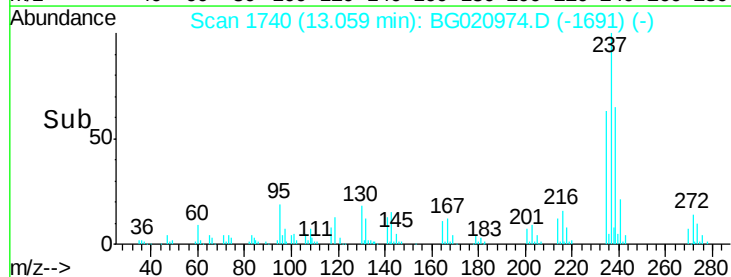
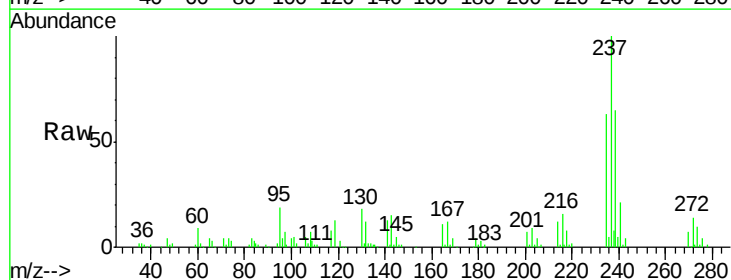
RT: 13.06 min Scan# 1740

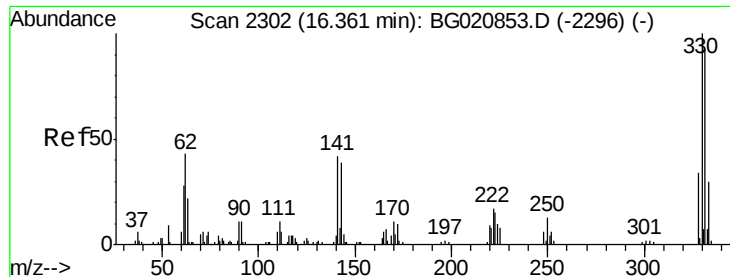
Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Tgt Ion:	237	Resp:	64176
Ion	Ratio	Lower	Upper
237	100		
235	63.4	40.8	80.8
272	13.7	0.0	32.3





#41

2,4,6-Tribromophenol

Concen: 161.26 ng

RT: 16.35 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

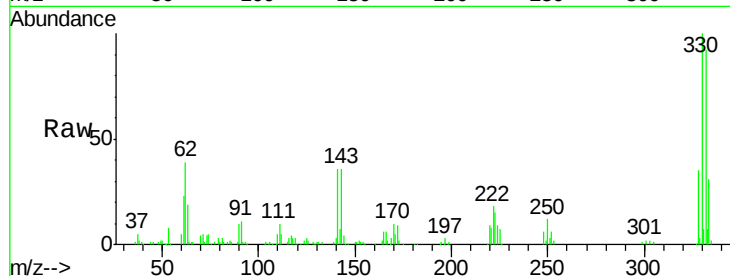
Tgt Ion:330 Resp: 102519

Ion Ratio Lower Upper

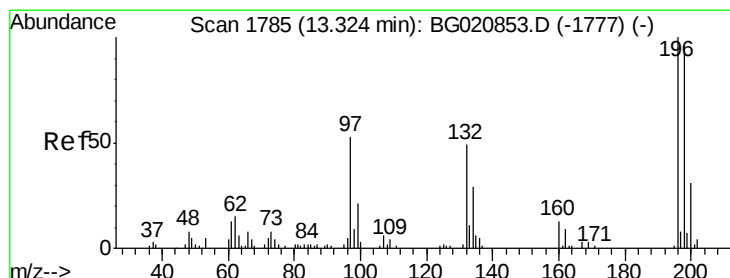
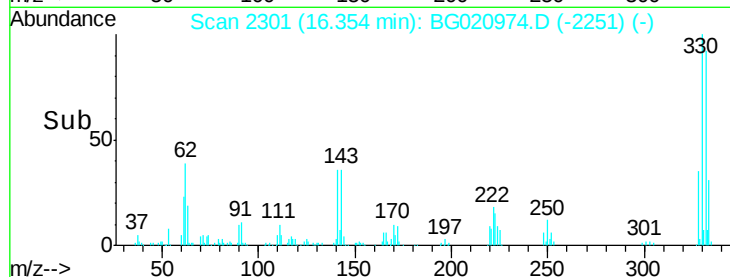
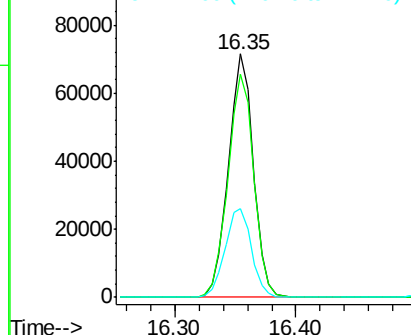
330 100

332 95.0 76.1 114.1

141 38.5 32.0 48.0



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: 46.37 ng

RT: 13.31 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

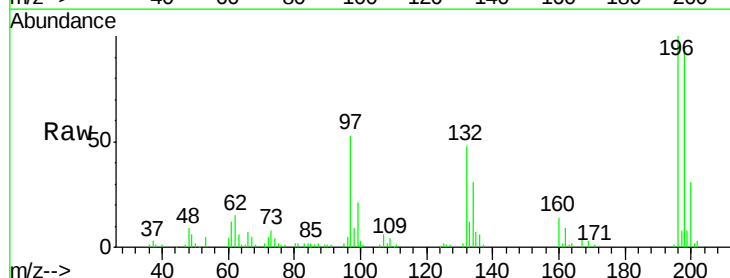
Tgt Ion:196 Resp: 59075

Ion Ratio Lower Upper

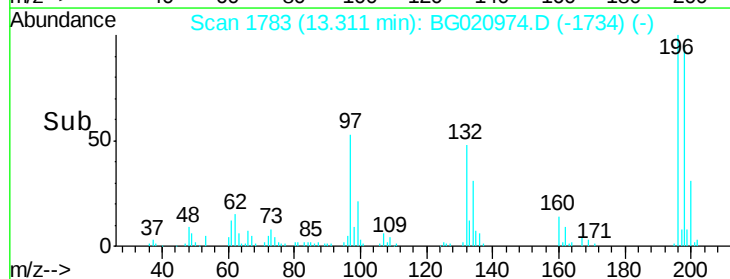
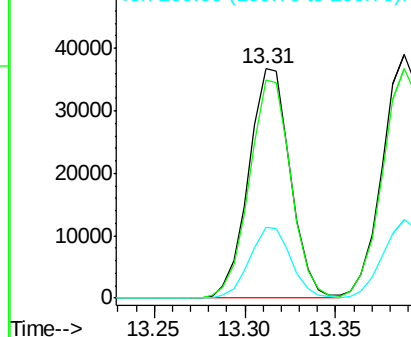
196 100

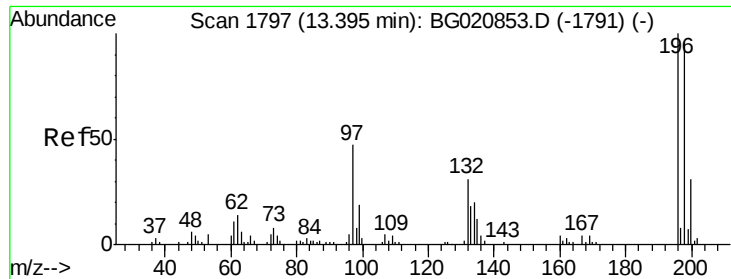
198 95.3 77.1 115.7

200 31.0 24.7 37.1



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

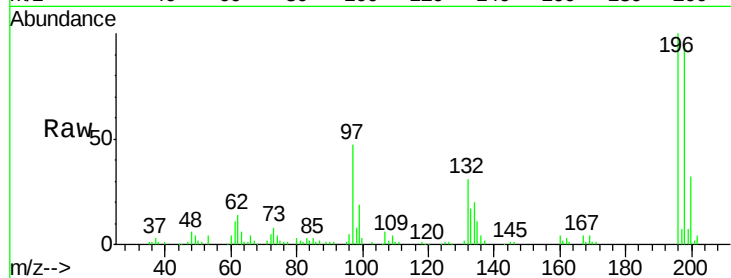




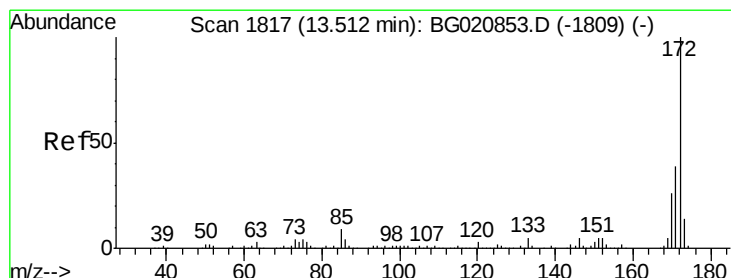
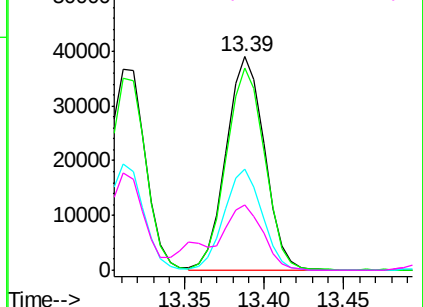
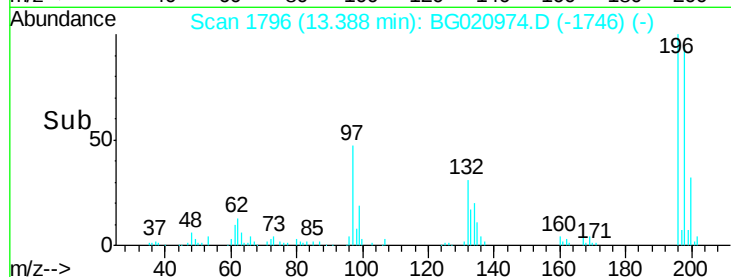
#43
 2,4,5-Trichlorophenol
 Concen: 48.86 ng
 RT: 13.39 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

Tgt Ion:196 Resp: 65446
 Ion Ratio Lower Upper
 196 100
 198 94.4 76.4 114.6
 97 47.1 37.4 56.0
 132 30.5 24.7 37.1

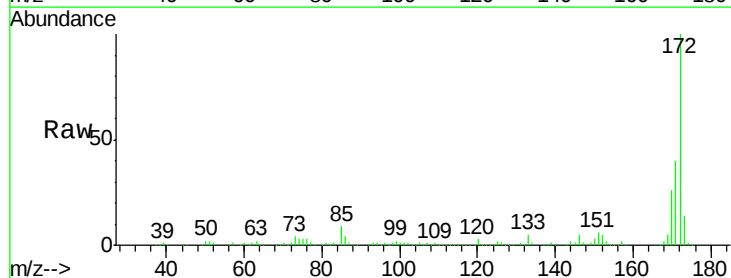


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E

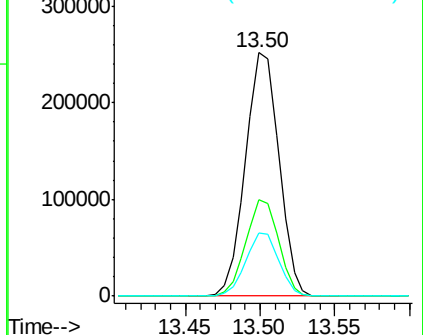
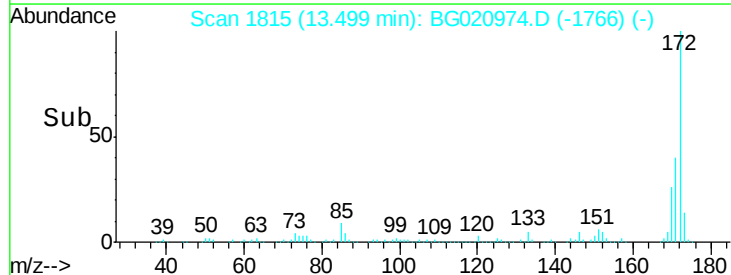


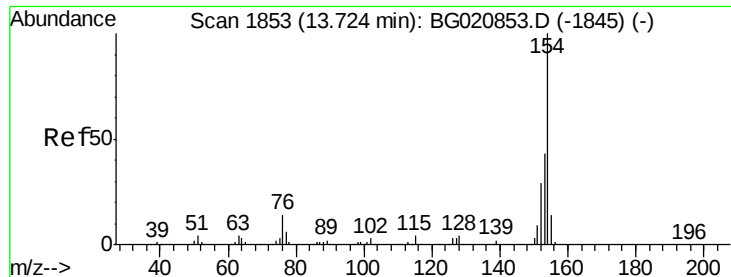
#44
 2-Fluorobiphenyl
 Concen: 84.95 ng
 RT: 13.50 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

Tgt Ion:172 Resp: 390959
 Ion Ratio Lower Upper
 172 100
 171 39.5 31.2 46.8
 170 25.9 20.6 30.8



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

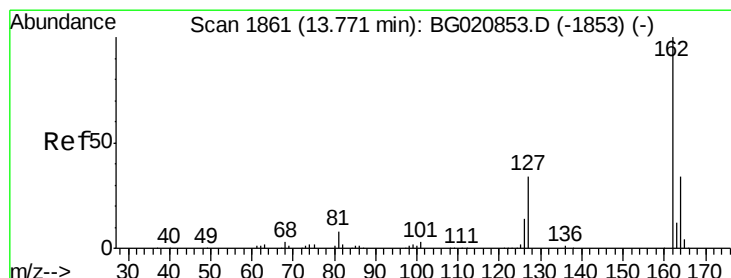
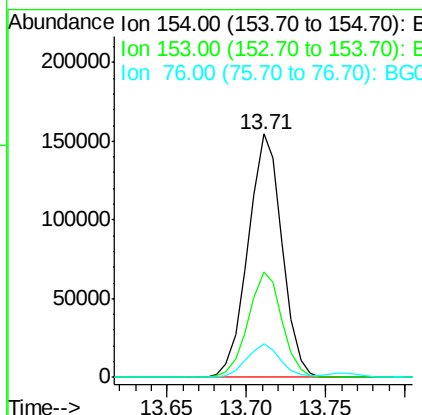
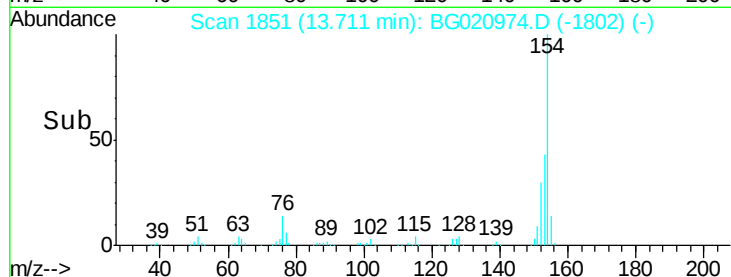
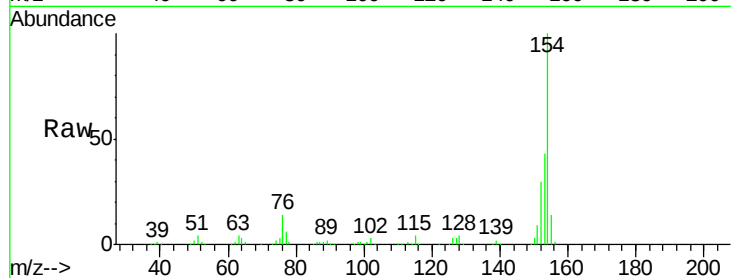




#45
1,1'-Biphenyl
Concen: 40.19 ng
RT: 13.71 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

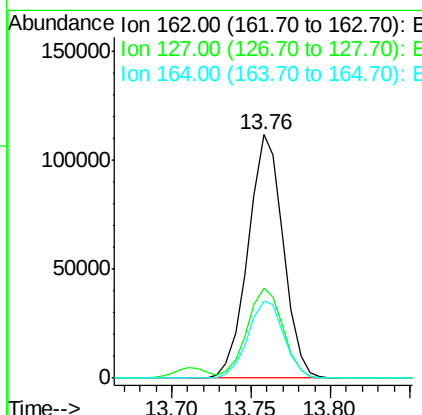
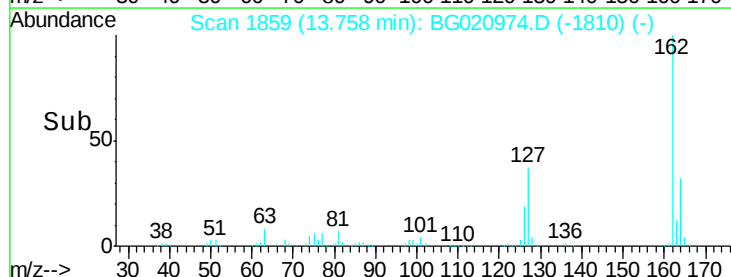
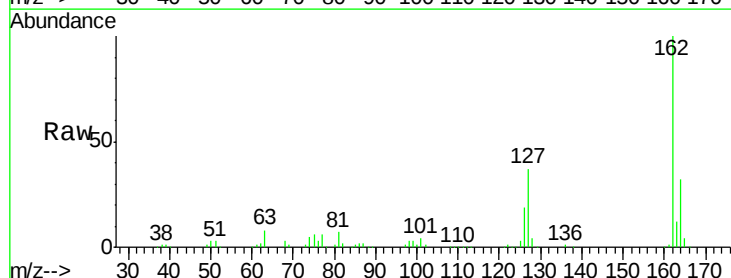
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

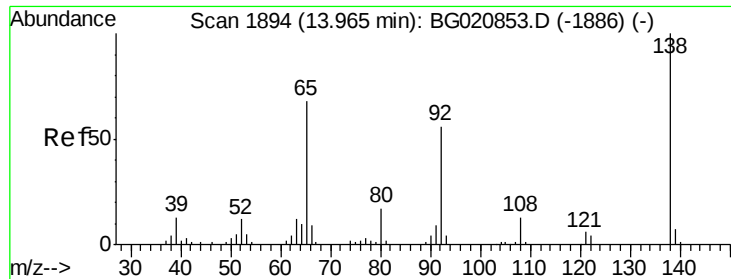
Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.2	22.5	62.5
76	14.0	0.0	33.8



#46
2-Chloronaphthalene
Concen: 42.06 ng
RT: 13.76 min Scan# 1859
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Tgt Ion	Ratio	Lower	Upper
162	100		
127	36.8	30.6	45.8
164	31.9	26.8	40.2

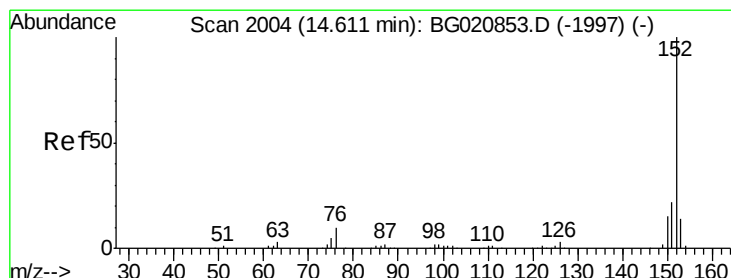
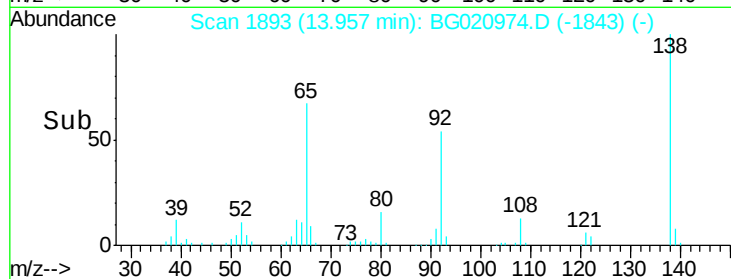
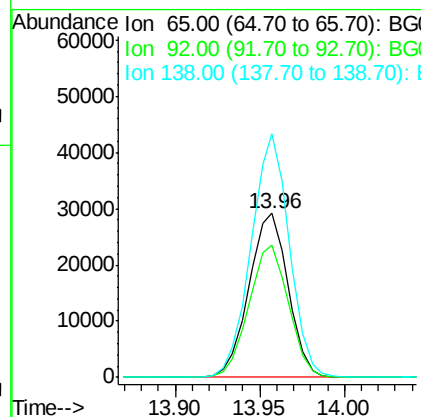
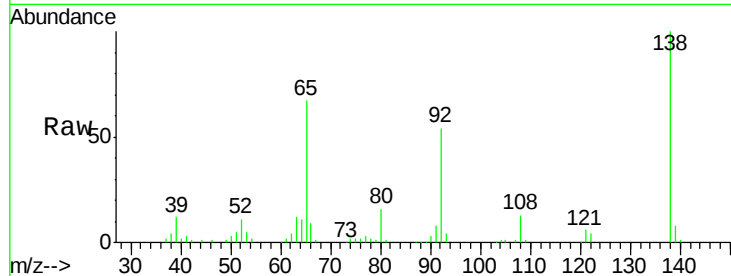




#47
2-Nitroaniline
Concen: 47.90 ng
RT: 13.96 min Scan# 1893
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

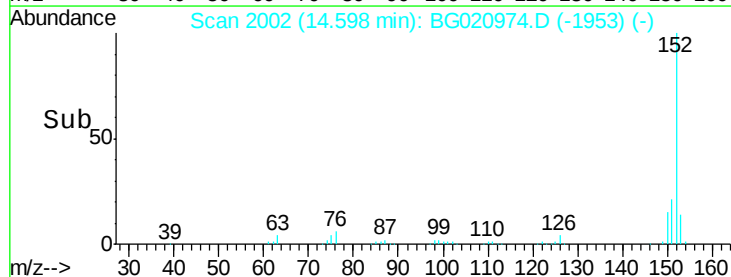
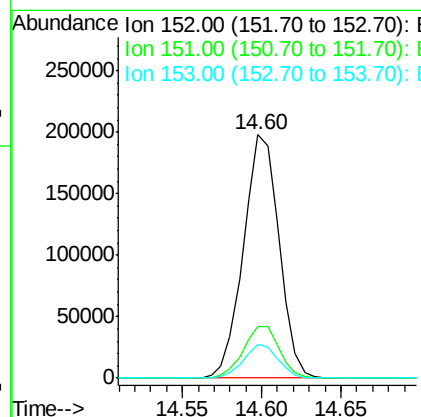
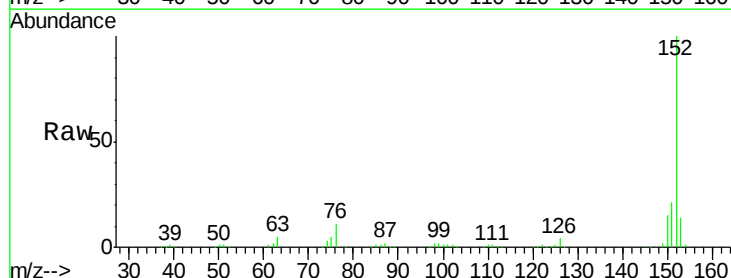
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

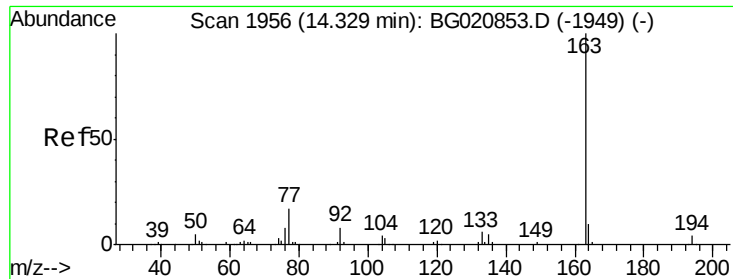
Tgt Ion: 65 Resp: 46840
Ion Ratio Lower Upper
65 100
92 80.8 65.8 98.8
138 148.4 117.1 175.7



#48
Acenaphthylene
Concen: 43.56 ng
RT: 14.60 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Tgt Ion: 152 Resp: 309286
Ion Ratio Lower Upper
152 100
151 21.4 17.5 26.3
153 13.7 10.9 16.3





#49

Dimethylphthalate

Concen: 46.63 ng

RT: 14.32 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

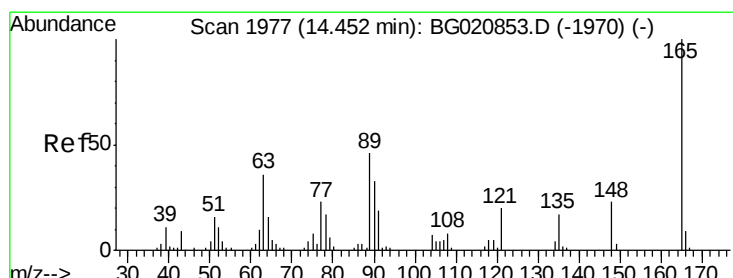
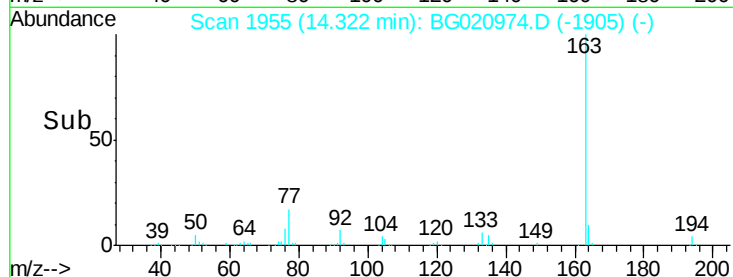
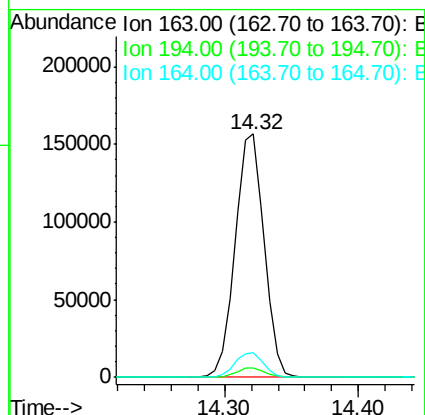
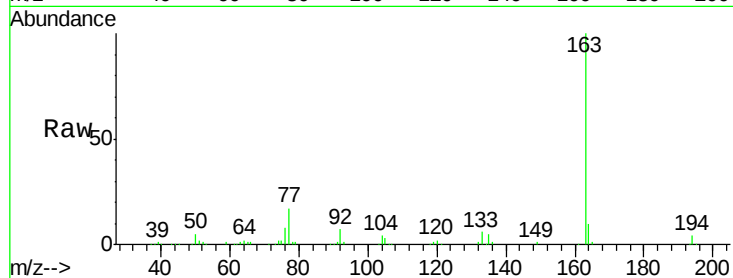
Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

Tgt Ion:	163	Resp:	235709
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.1	8.3	12.5



#50

2,6-Dinitrotoluene

Concen: 48.87 ng

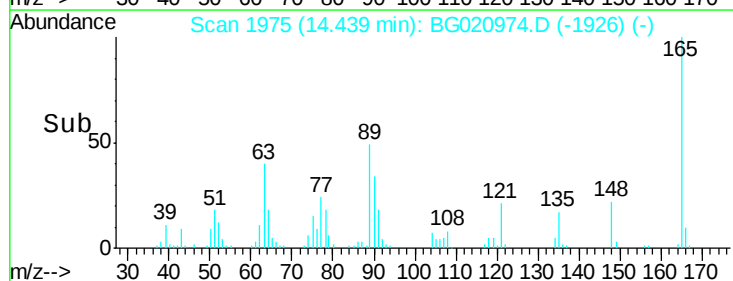
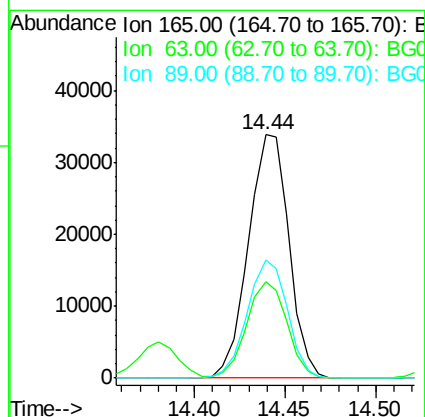
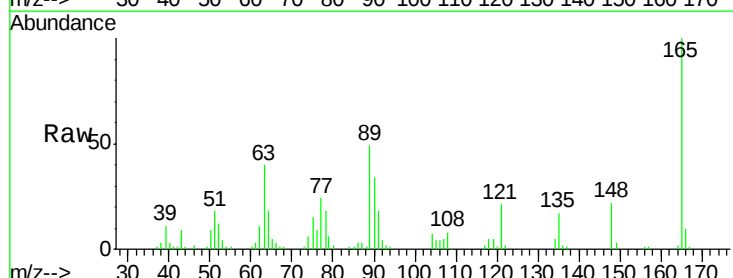
RT: 14.44 min Scan# 1975

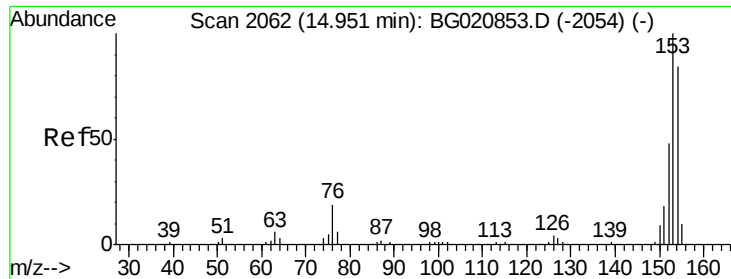
Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Tgt Ion:	165	Resp:	52936
Ion	Ratio	Lower	Upper
165	100		
63	39.6	30.3	45.5
89	48.7	36.9	55.3





#51

Acenaphthene

Concen: 49.09 ng

RT: 14.94 min Scan# 2060

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

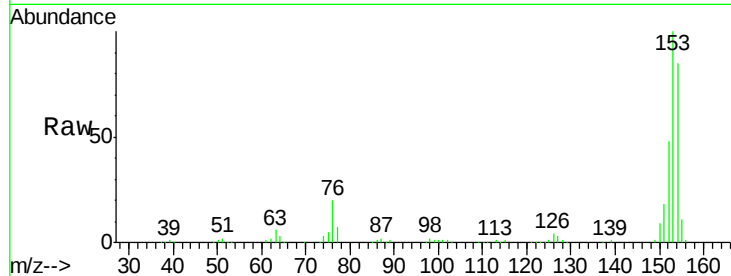
Tgt Ion:154 Resp: 211304

Ion Ratio Lower Upper

154 100

153 117.6 95.4 143.0

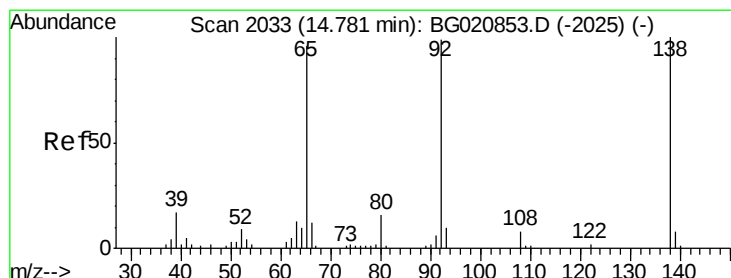
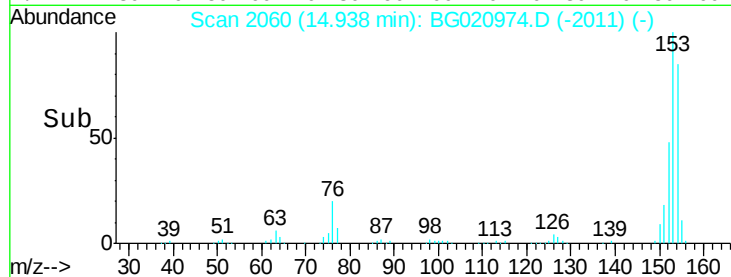
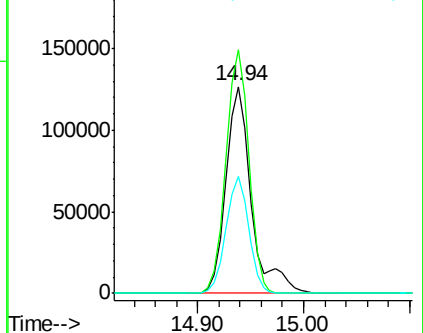
152 56.6 46.1 69.1



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: 12.97 ng

RT: 14.77 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

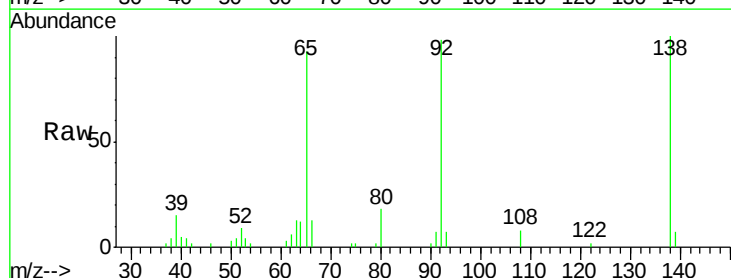
Tgt Ion:138 Resp: 16323

Ion Ratio Lower Upper

138 100

108 8.3 6.2 9.2

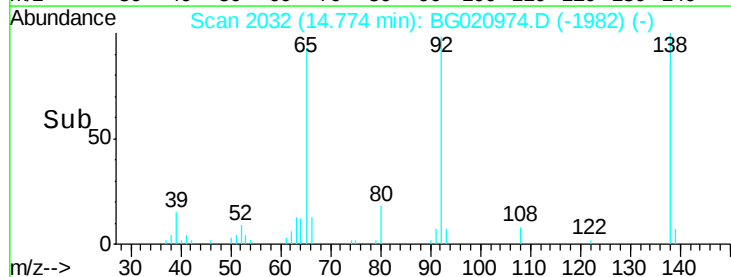
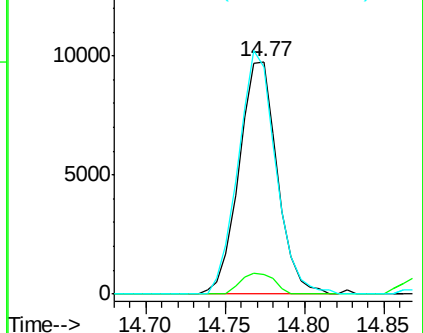
92 97.6 79.5 119.3

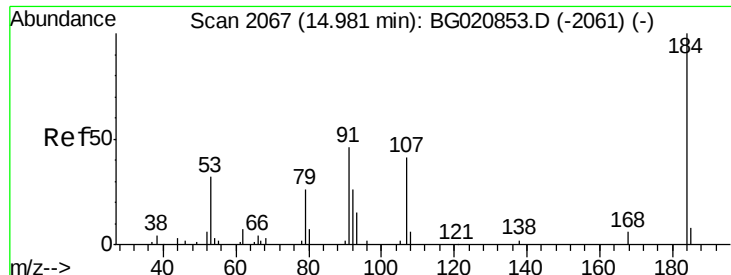


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

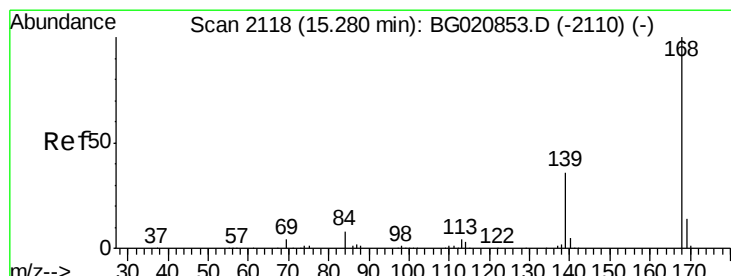
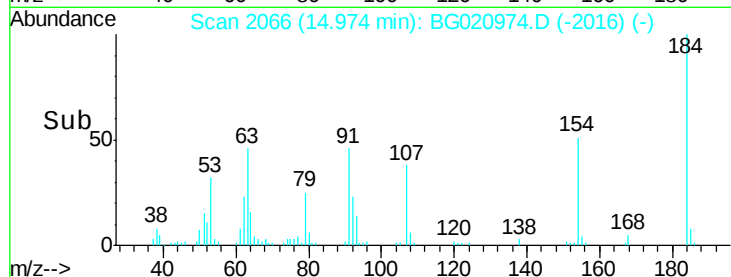
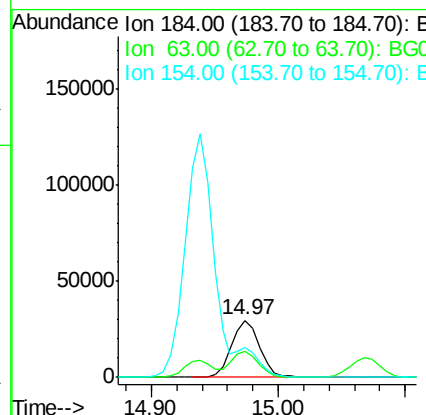
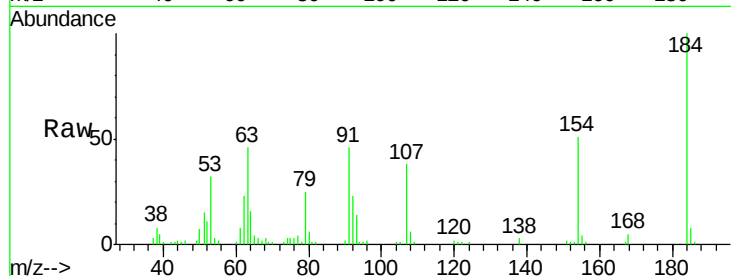




#53
 2,4-Dinitrophenol
 Concen: 97.33 ng
 RT: 14.97 min Scan# 2066
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

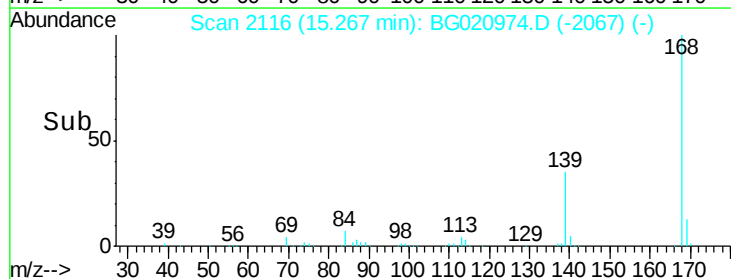
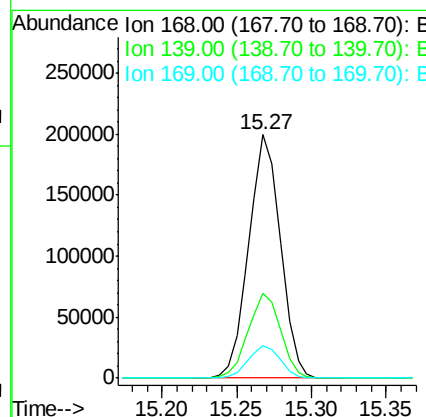
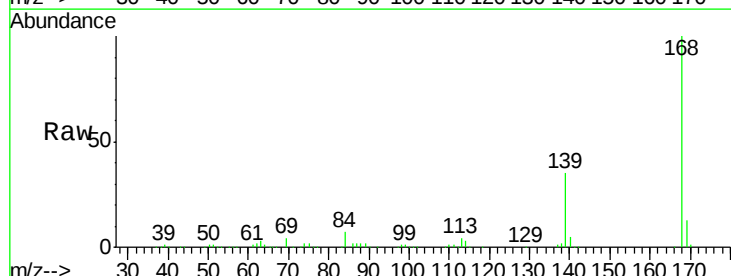
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

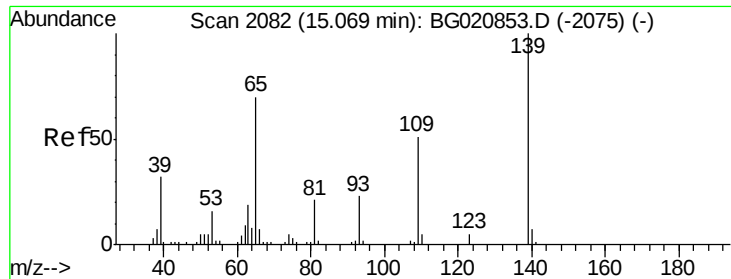
Tgt Ion:184 Resp: 45646
 Ion Ratio Lower Upper
 184 100
 63 46.2 39.8 59.6
 154 51.3 48.1 72.1



#54
 Dibenzofuran
 Concen: 51.30 ng
 RT: 15.27 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

Tgt Ion:168 Resp: 292099
 Ion Ratio Lower Upper
 168 100
 139 35.0 28.5 42.7
 169 13.3 11.0 16.4

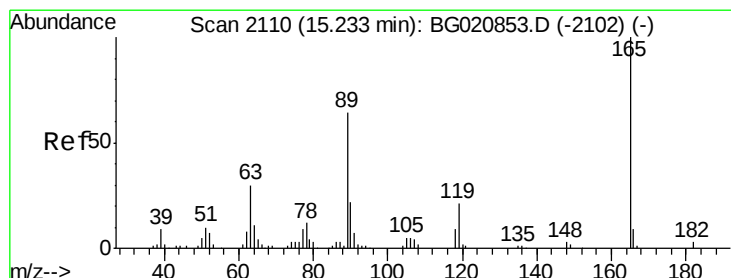
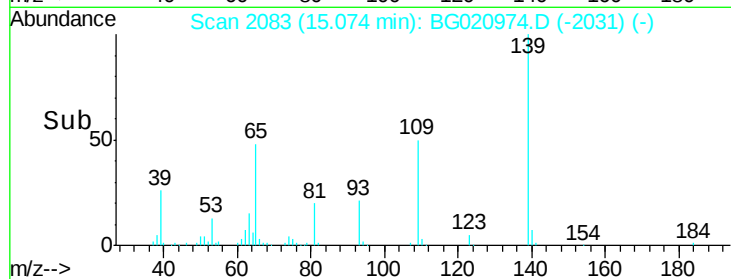
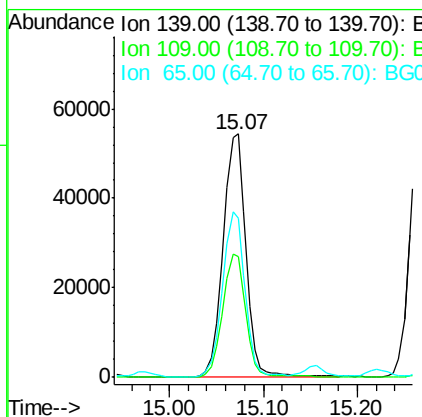
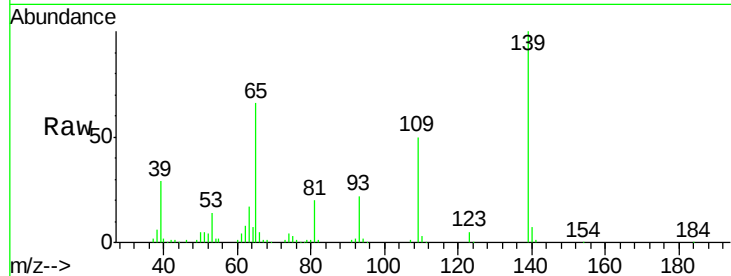




#55
4-Nitrophenol
Concen: 97.35 ng
RT: 15.07 min Scan# 2083
Delta R.T. 0.00 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

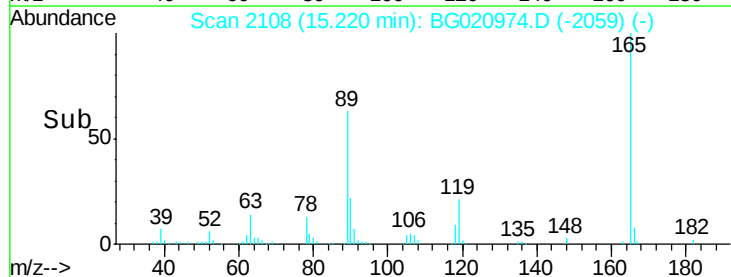
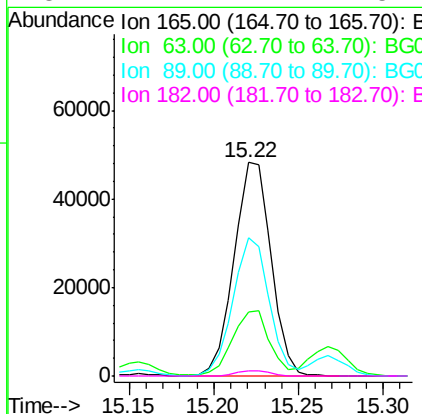
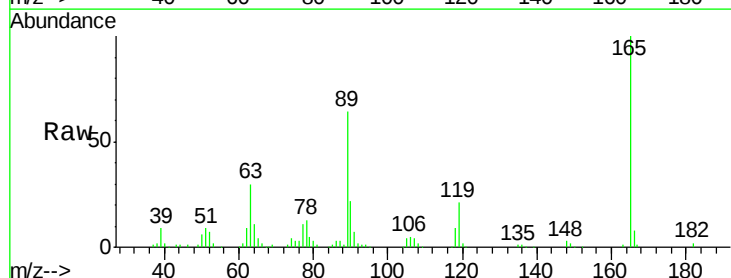
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

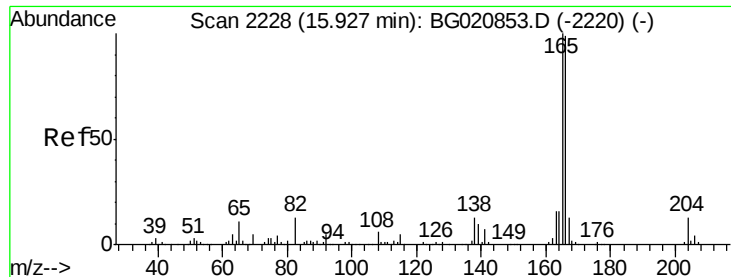
Tgt Ion:139 Resp: 92543
Ion Ratio Lower Upper
139 100
109 49.6 31.0 71.0
65 65.6 49.6 89.6



#56
2,4-Dinitrotoluene
Concen: 52.59 ng
RT: 15.22 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Tgt Ion:165 Resp: 73633
Ion Ratio Lower Upper
165 100
63 30.2 23.7 35.5
89 64.5 50.9 76.3
182 2.4 2.2 3.2





#57

Fluorene

Concen: 48.12 ng

RT: 15.91 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

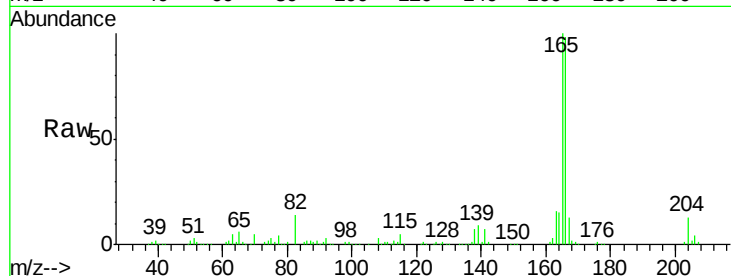
Tgt Ion:166 Resp: 252300

Ion Ratio Lower Upper

166 100

165 102.1 81.0 121.4

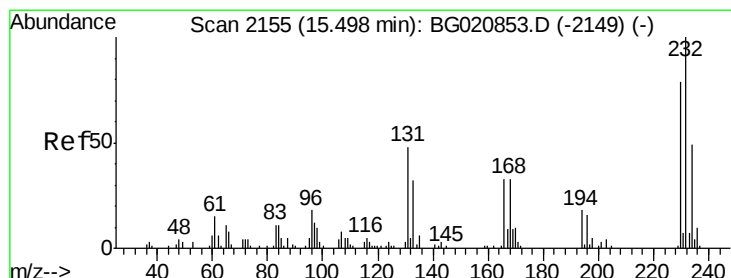
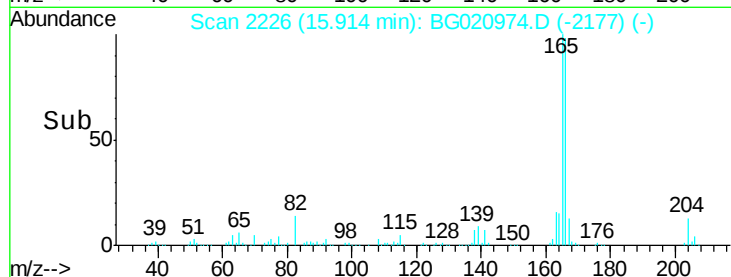
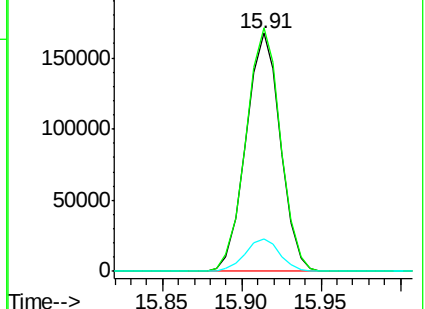
167 13.6 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 54.51 ng

RT: 15.49 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Tgt Ion:232 Resp: 55637

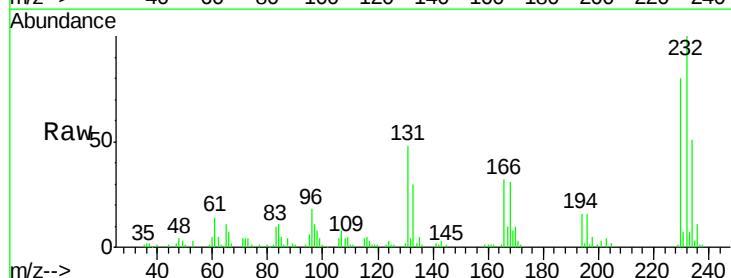
Ion Ratio Lower Upper

232 100

131 49.1 39.2 58.8

130 2.3 2.0 3.0

166 32.5 25.8 38.8

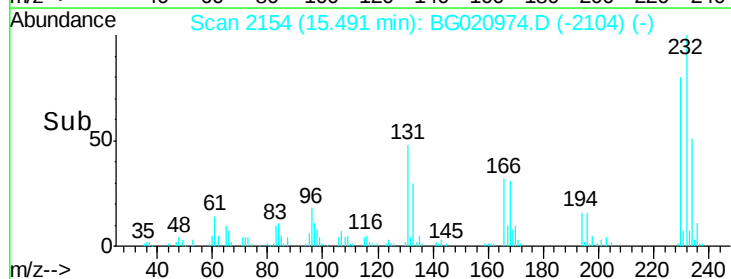
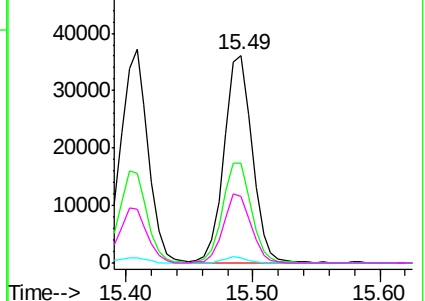


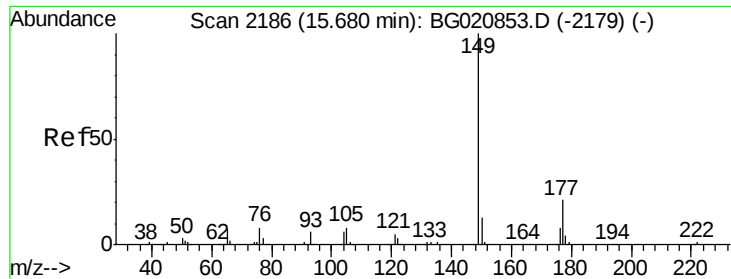
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

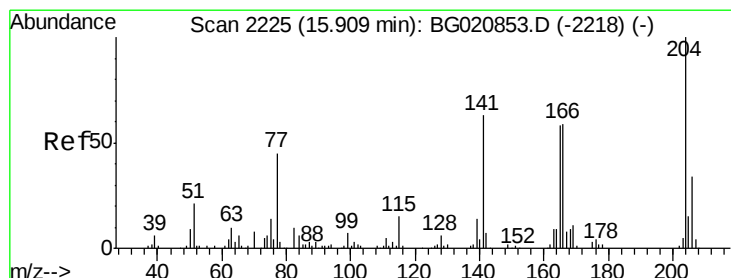
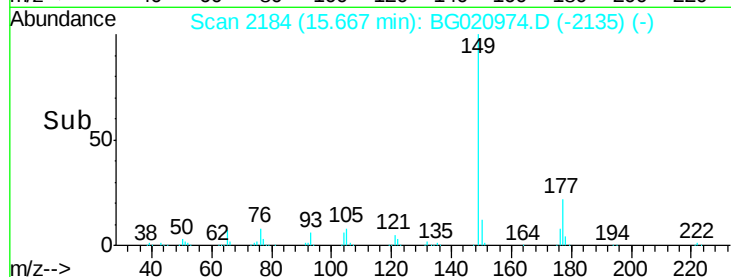
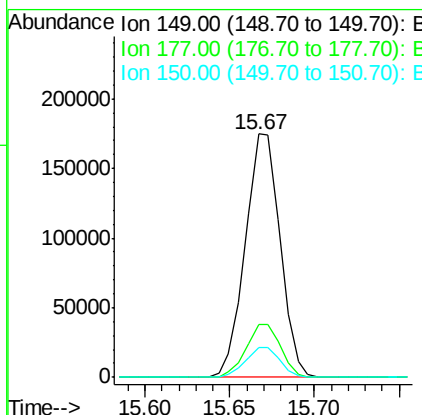
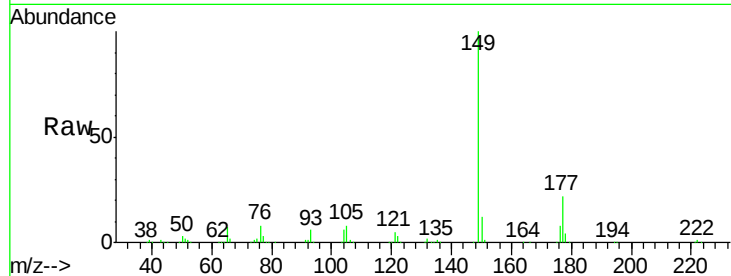




#59
Diethylphthalate
Concen: 48.39 ng
RT: 15.67 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

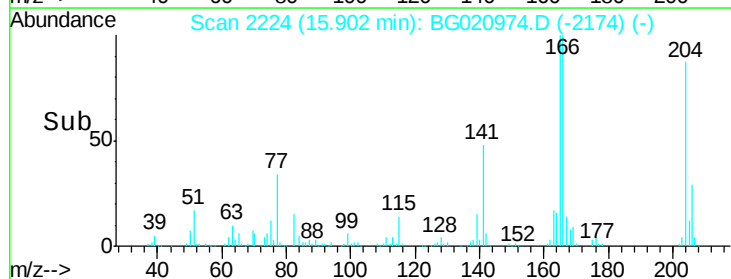
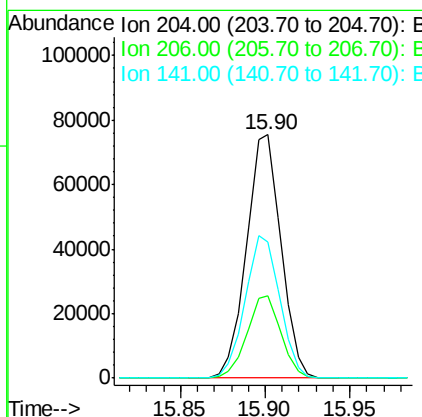
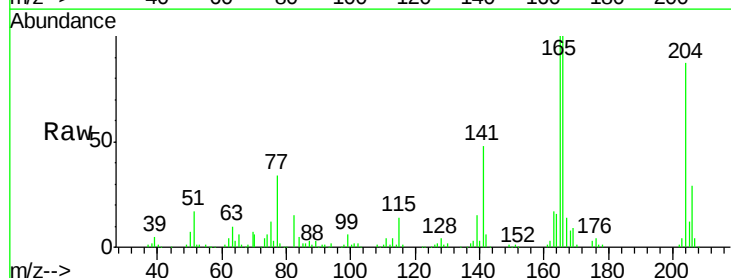
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

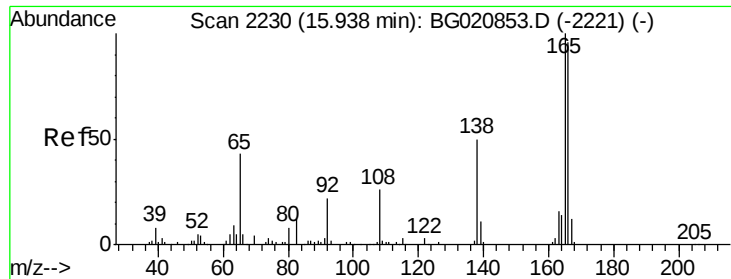
Tgt Ion:149 Resp: 251448
Ion Ratio Lower Upper
149 100
177 21.5 16.9 25.3
150 12.2 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 46.05 ng
RT: 15.90 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Tgt Ion:204 Resp: 107242
Ion Ratio Lower Upper
204 100
206 33.6 26.9 40.3
141 55.8 50.3 75.5

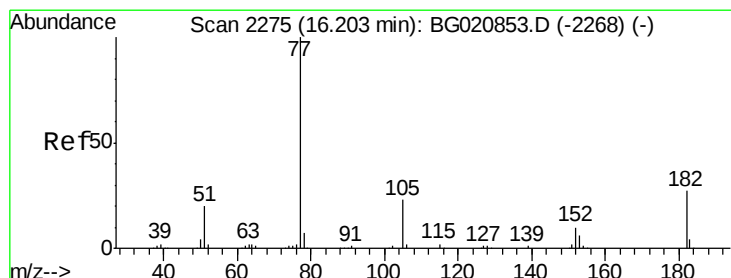
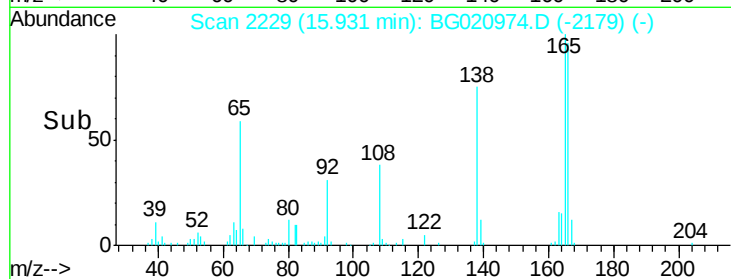
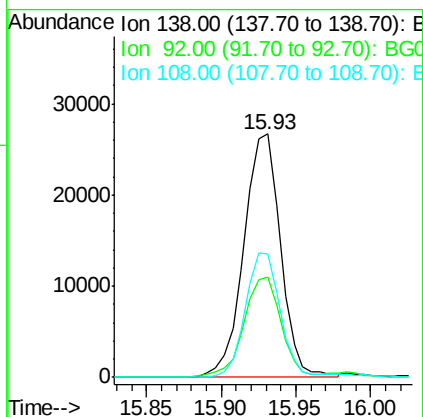
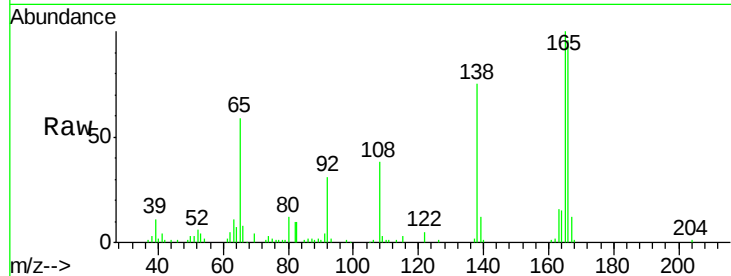




#61
4-Nitroaniline
Concen: 35.94 ng
RT: 15.93 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

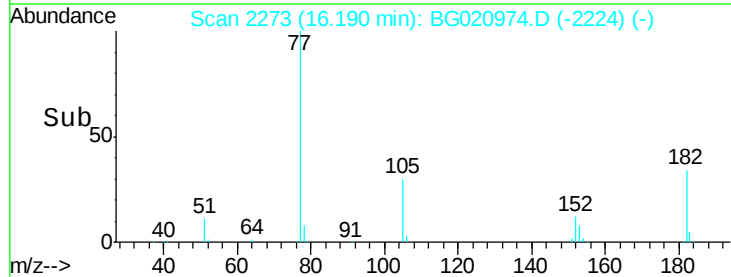
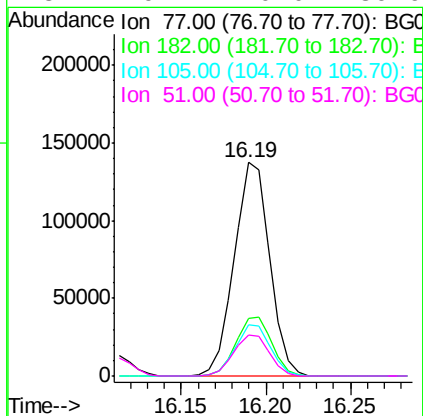
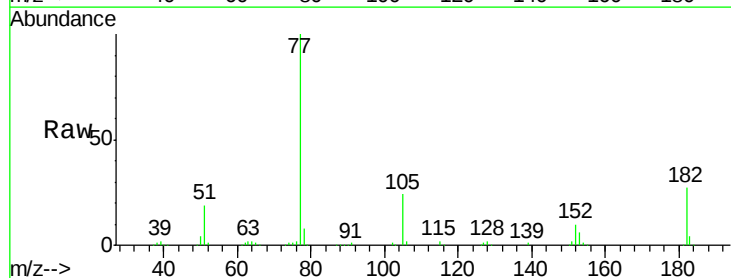
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

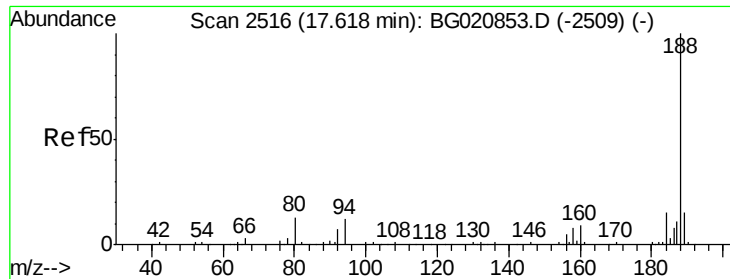
Tgt Ion: 138 Resp: 45414
Ion Ratio Lower Upper
138 100
92 41.1 24.1 64.1
108 50.5 32.4 72.4



#62
Azobenzene
Concen: 49.06 ng
RT: 16.19 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Tgt Ion: 77 Resp: 200463
Ion Ratio Lower Upper
77 100
182 26.8 6.8 46.8
105 23.7 3.4 43.4
51 19.4 0.0 39.9

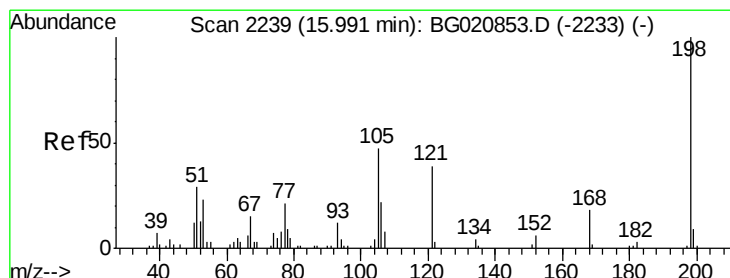
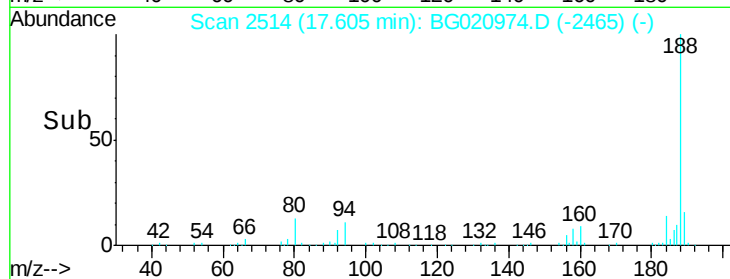
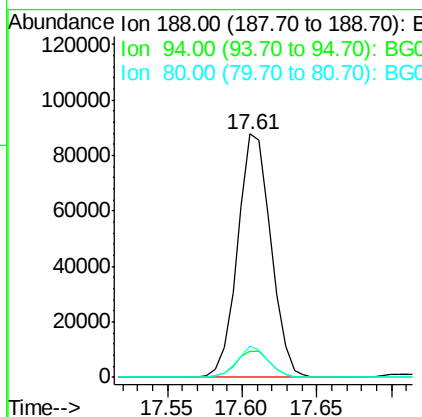
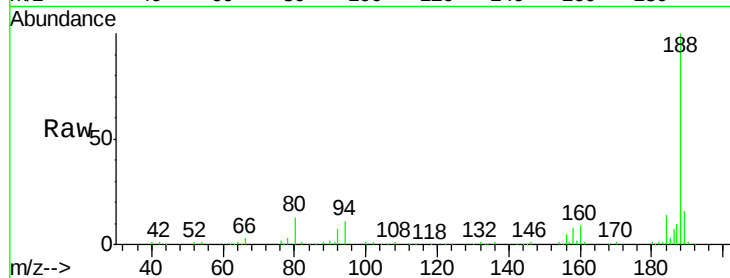




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.61 min Scan# 2514
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

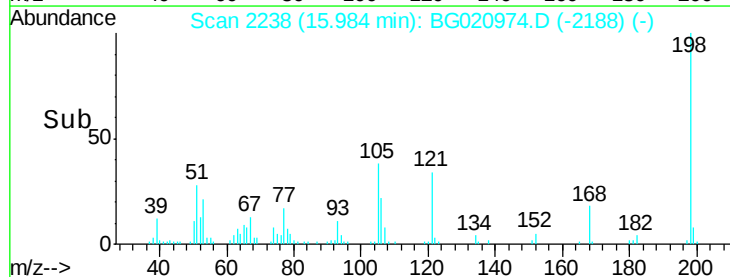
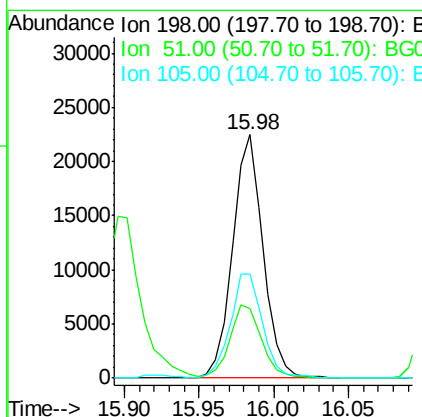
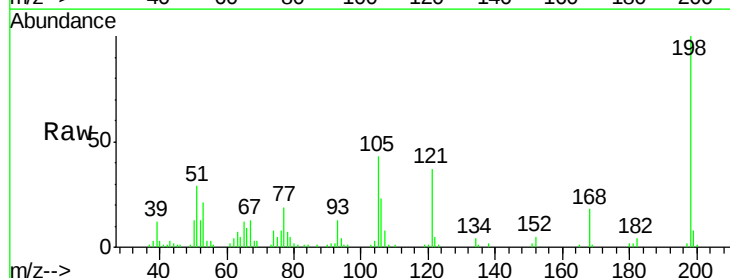
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

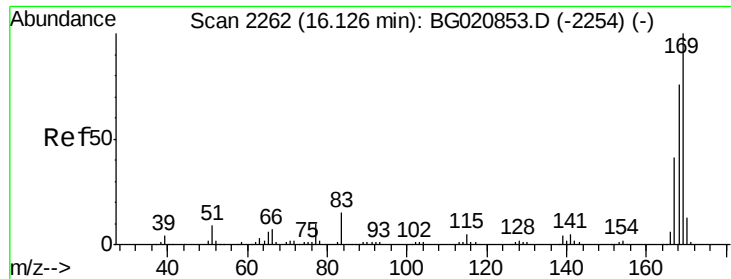
Tgt Ion:188 Resp: 135116
 Ion Ratio Lower Upper
 188 100
 94 10.9 9.4 14.0
 80 12.8 10.2 15.4



#64
 4,6-Dinitro-2-methylphenol
 Concen: 46.65 ng
 RT: 15.98 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

Tgt Ion:198 Resp: 31914
 Ion Ratio Lower Upper
 198 100
 51 28.7 10.6 50.6
 105 43.0 27.0 67.0

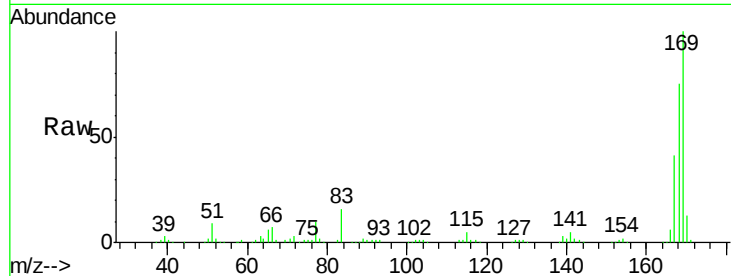




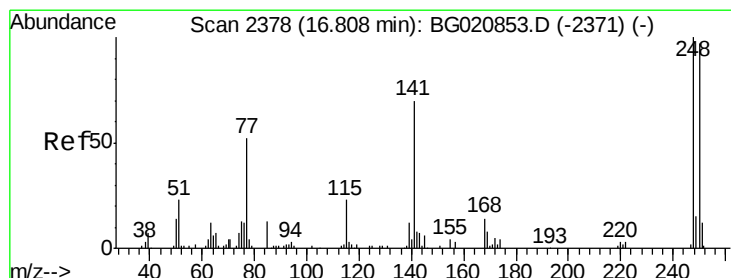
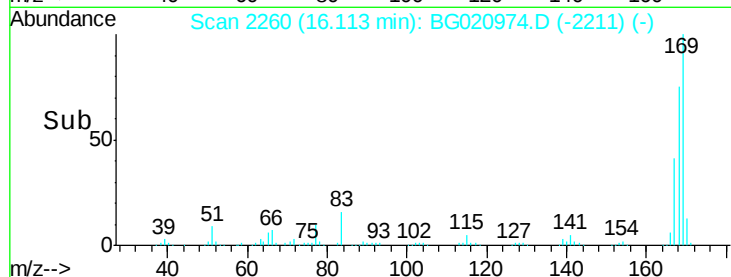
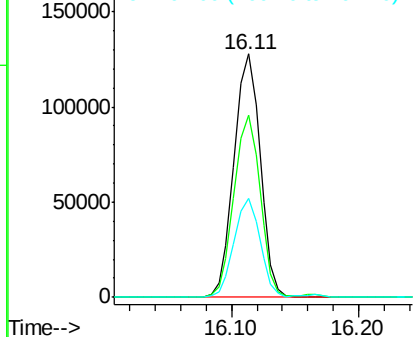
#65
 n-Nitrosodiphenylamine
 Concen: 42.02 ng
 RT: 16.11 min Scan# 2260
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

Tgt Ion:169 Resp: 183451
 Ion Ratio Lower Upper
 169 100
 168 74.6 60.7 91.1
 167 40.7 32.8 49.2

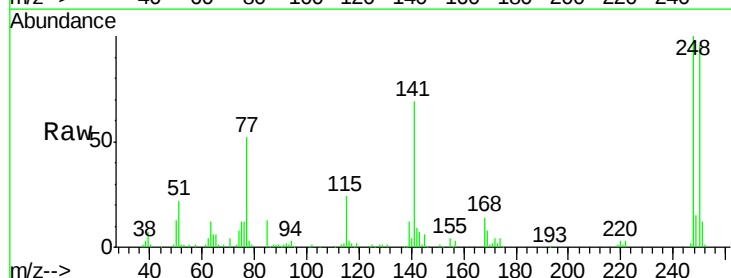


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

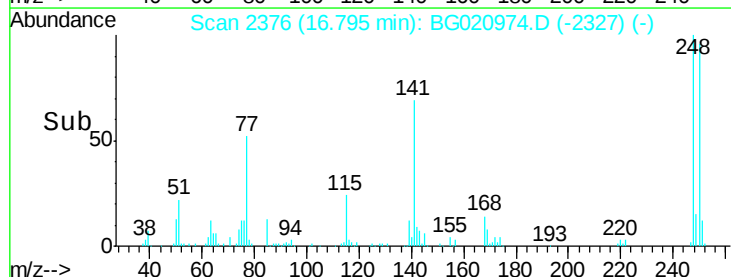
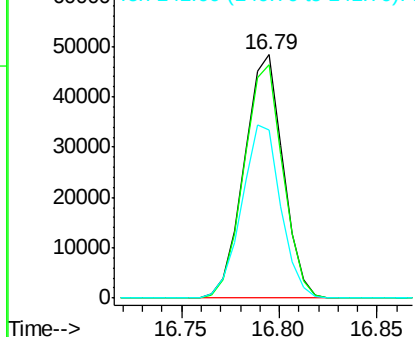


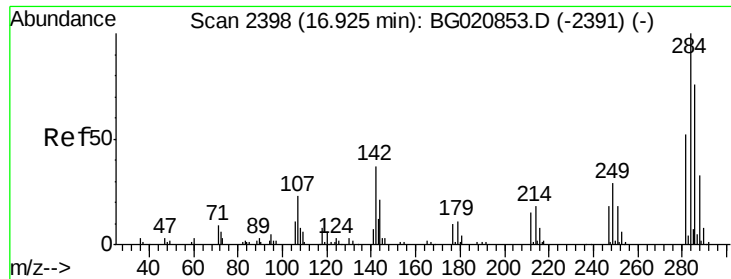
#66
 4-Bromophenyl-phenylether
 Concen: 46.54 ng
 RT: 16.79 min Scan# 2376
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

Tgt Ion:248 Resp: 66407
 Ion Ratio Lower Upper
 248 100
 250 96.1 77.4 116.2
 141 69.2 55.7 83.5



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

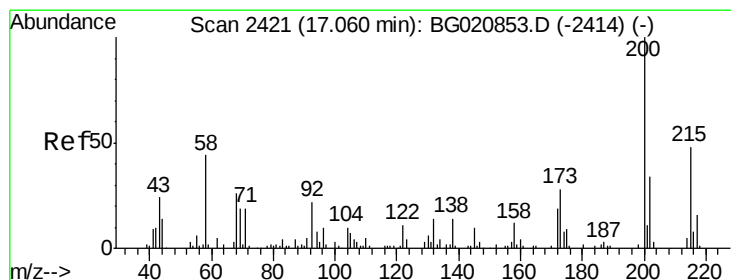
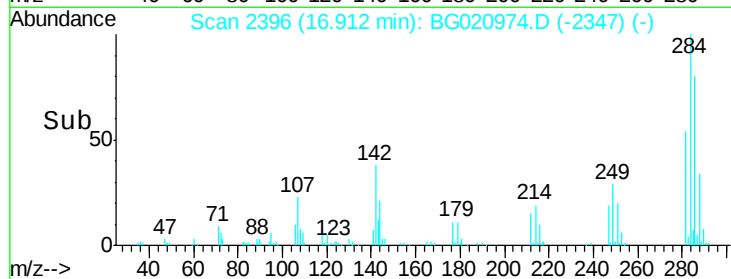
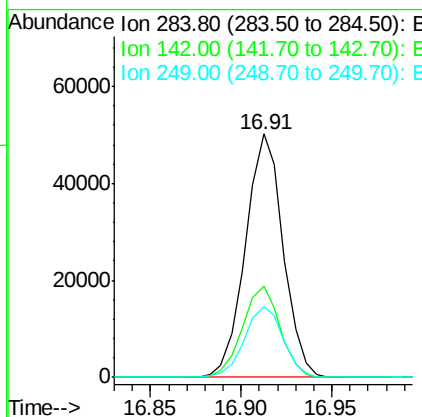
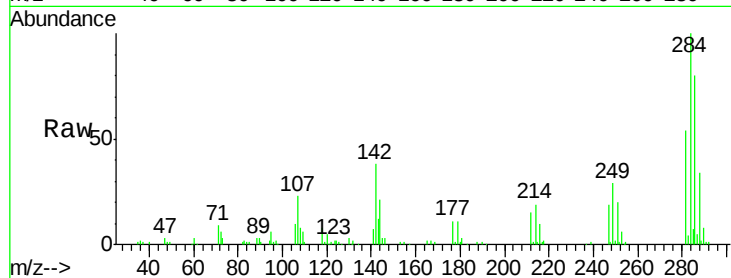




#67
Hexachlorobenzene
Concen: 47.54 ng
RT: 16.91 min Scan# 2396
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

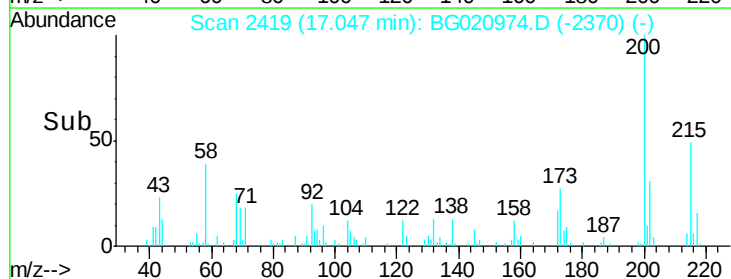
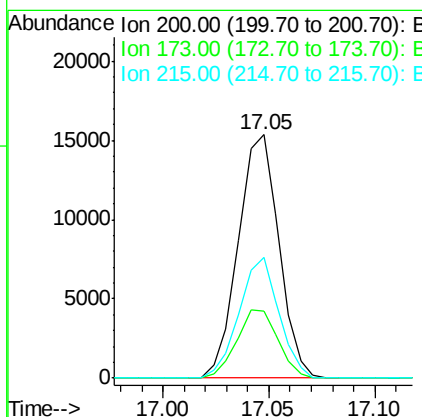
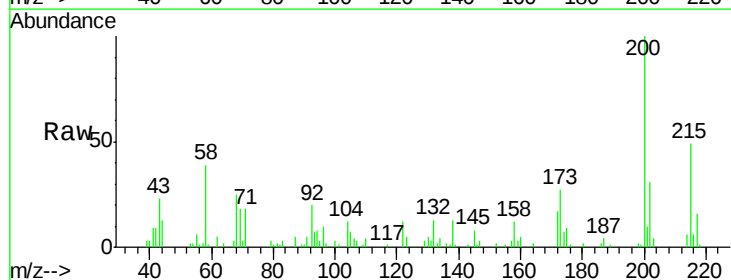
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

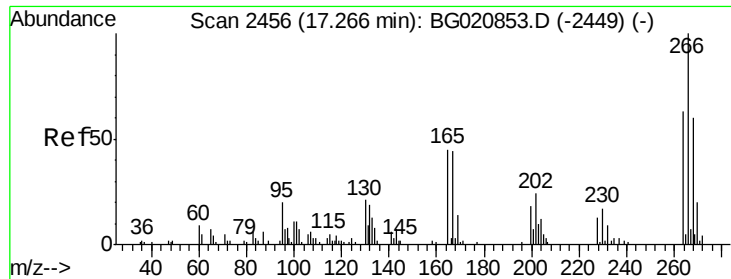
Tgt Ion:284 Resp: 72194
Ion Ratio Lower Upper
284 100
142 37.7 29.9 44.9
249 29.1 23.3 34.9



#68
Atrazine
Concen: 15.46 ng
RT: 17.05 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Tgt Ion:200 Resp: 20475
Ion Ratio Lower Upper
200 100
173 27.5 8.4 48.4
215 49.4 28.2 68.2





#69

Pentachlorophenol

Concen: 96.99 ng

RT: 17.25 min Scan# 2454

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

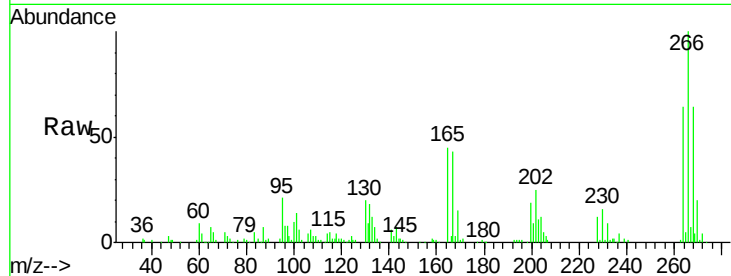
Tgt Ion:266 Resp: 84432

Ion Ratio Lower Upper

266 100

268 64.3 47.8 71.6

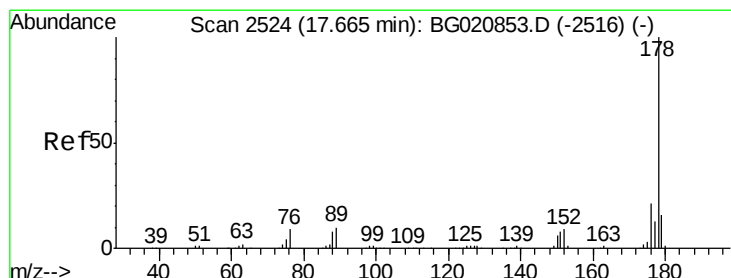
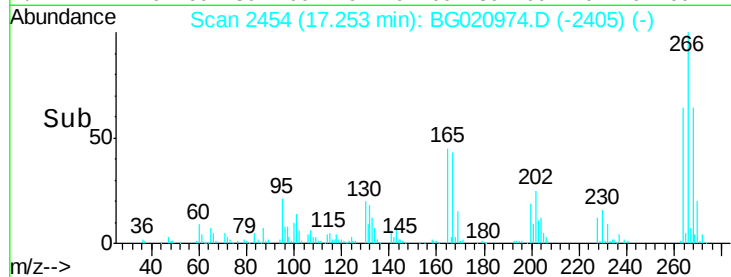
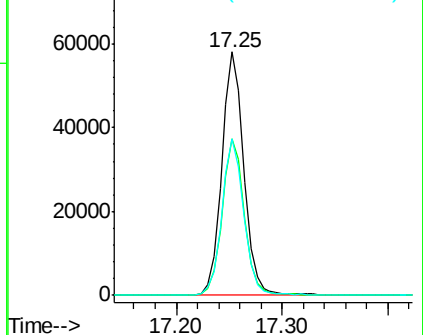
264 64.5 50.2 75.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 49.10 ng

RT: 17.65 min Scan# 2522

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

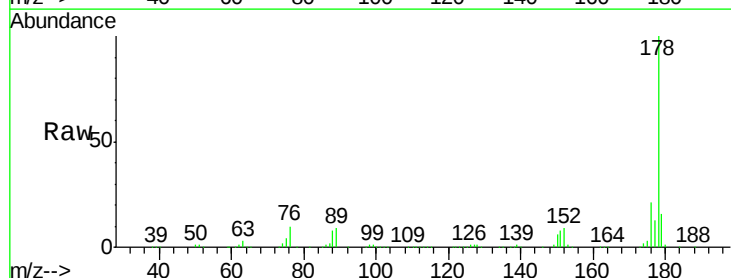
Tgt Ion:178 Resp: 377693

Ion Ratio Lower Upper

178 100

176 20.7 16.8 25.2

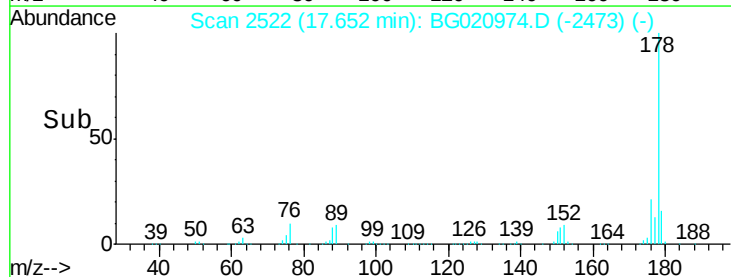
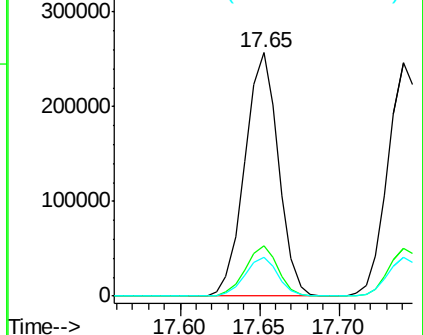
179 16.1 12.6 19.0

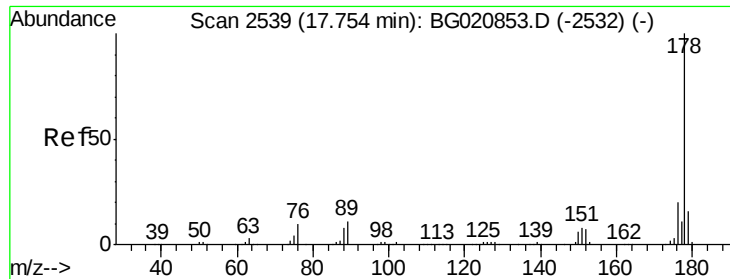


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

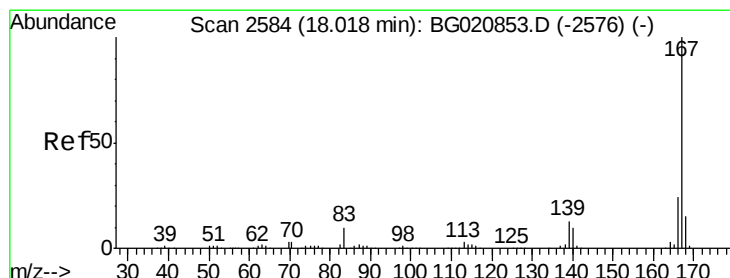
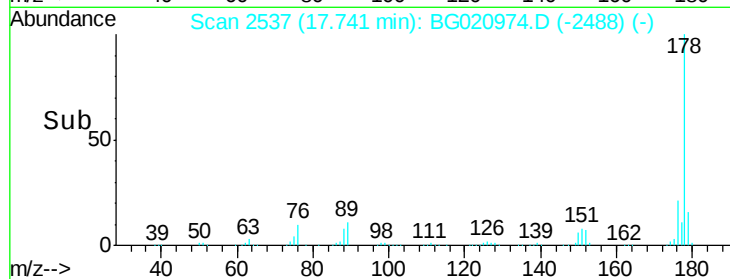
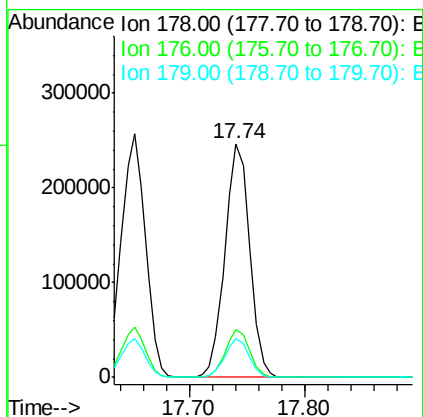
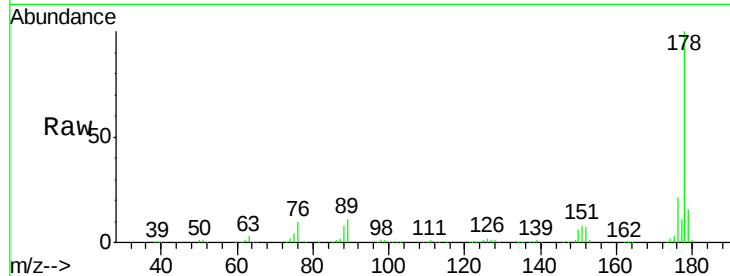




#71
 Anthracene
 Concen: 46.91 ng
 RT: 17.74 min Scan# 2537
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

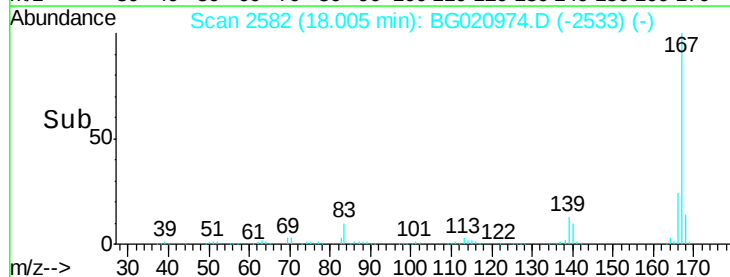
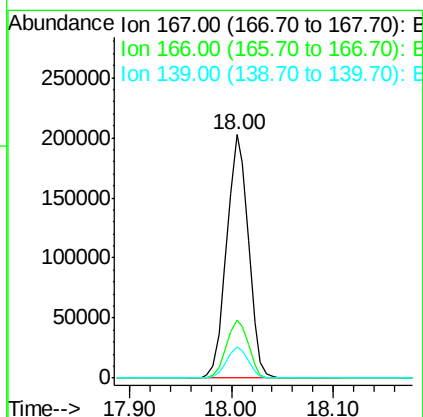
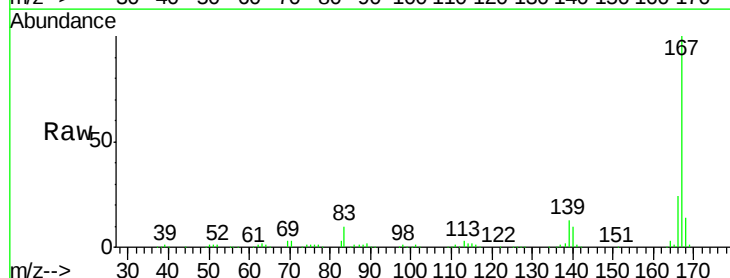
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

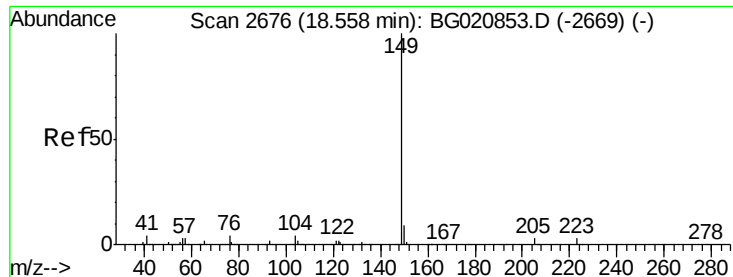
Tgt Ion:178 Resp: 366253
 Ion Ratio Lower Upper
 178 100
 176 20.5 16.2 24.4
 179 16.5 12.7 19.1



#72
 Carbazole
 Concen: 43.23 ng
 RT: 18.00 min Scan# 2582
 Delta R.T. -0.01 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

Tgt Ion:167 Resp: 302869
 Ion Ratio Lower Upper
 167 100
 166 24.1 19.3 28.9
 139 12.7 10.2 15.4





#73

Di-n-butylphthalate

Concen: 46.28 ng

RT: 18.55 min Scan# 2674

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

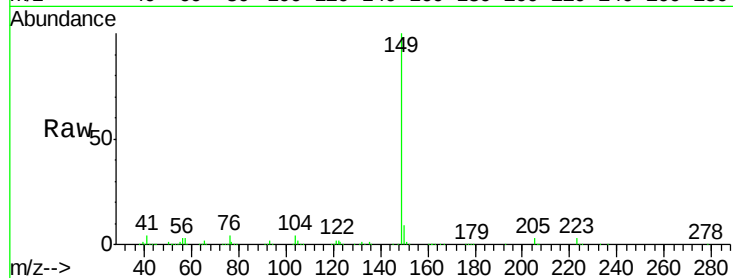
Tgt Ion:149 Resp: 415808

Ion Ratio Lower Upper

149 100

150 9.5 7.6 11.4

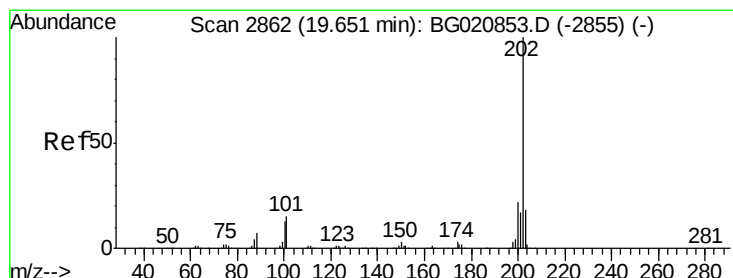
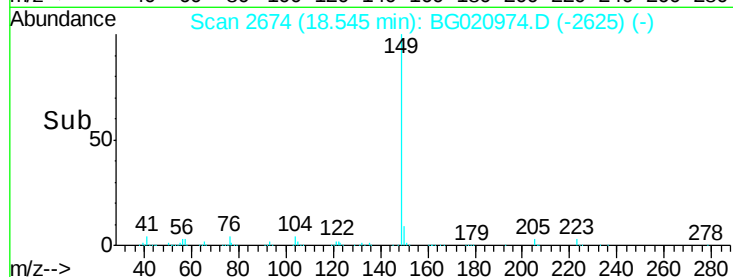
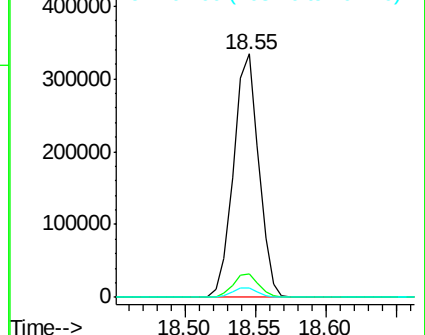
104 3.9 3.4 5.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 47.11 ng

RT: 19.64 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

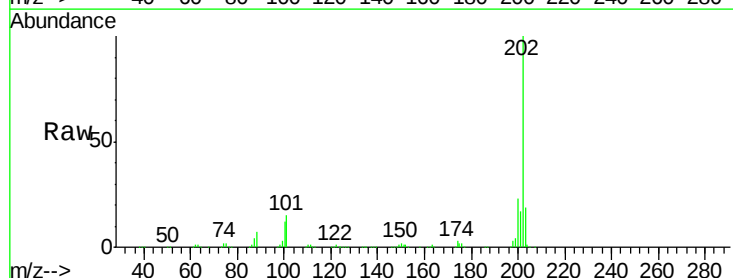
Tgt Ion:202 Resp: 391468

Ion Ratio Lower Upper

202 100

101 15.3 0.0 35.3

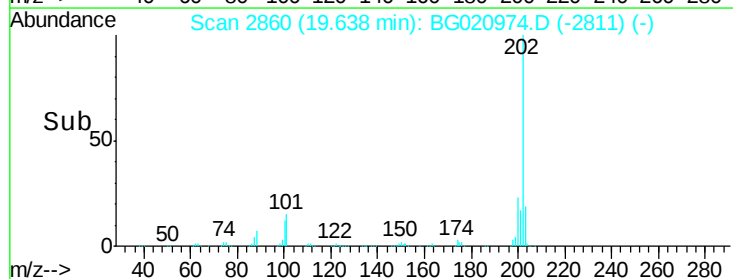
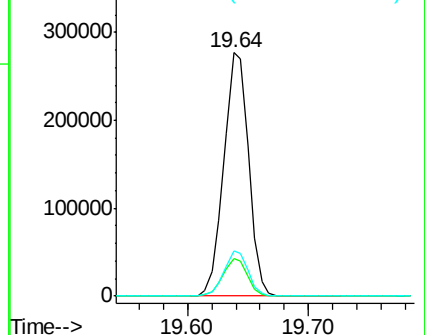
203 18.7 0.0 37.8

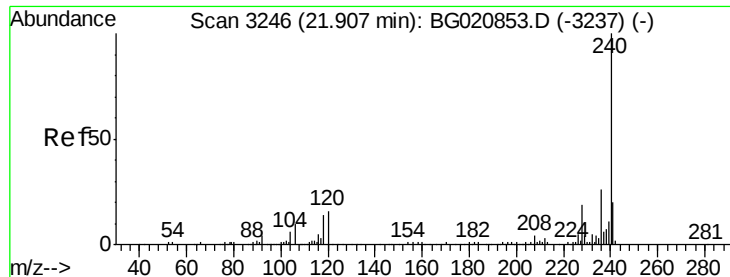


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.89 min Scan# 3243

Delta R.T. -0.02 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

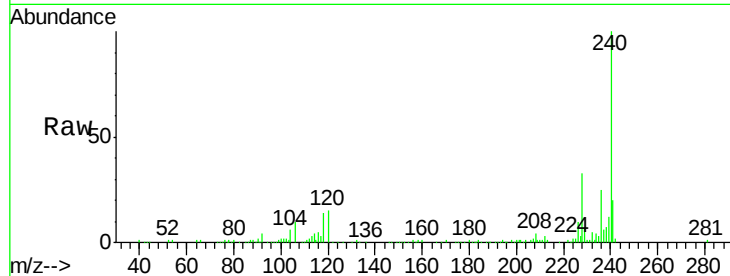
Tgt Ion:240 Resp: 127144

Ion Ratio Lower Upper

240 100

120 15.1 13.0 19.4

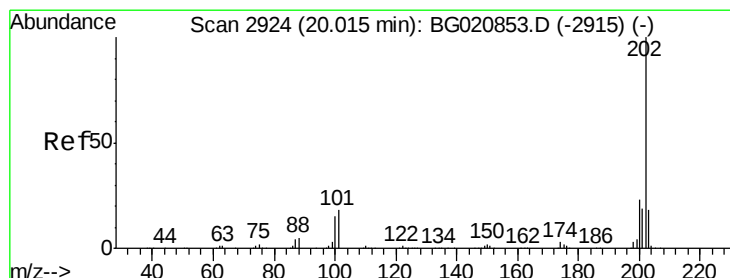
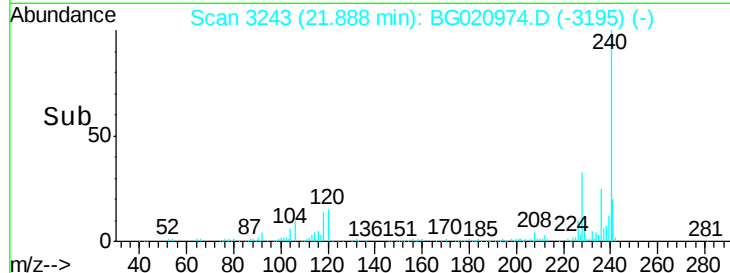
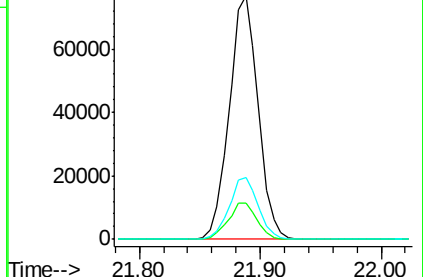
236 25.2 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 47.90 ng

RT: 20.00 min Scan# 2922

Delta R.T. -0.01 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

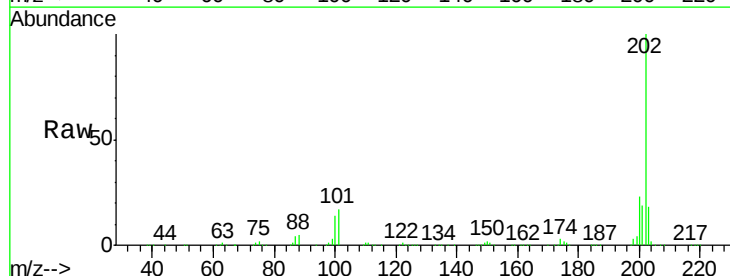
Tgt Ion:202 Resp: 401730

Ion Ratio Lower Upper

202 100

200 22.6 18.5 27.7

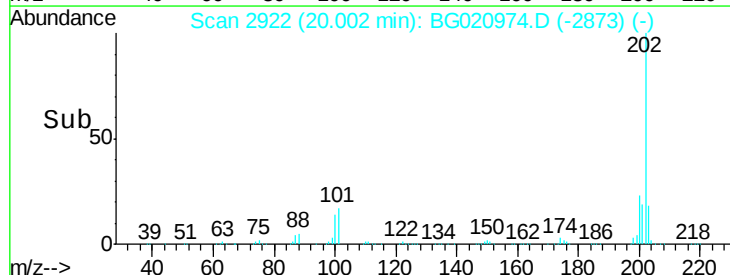
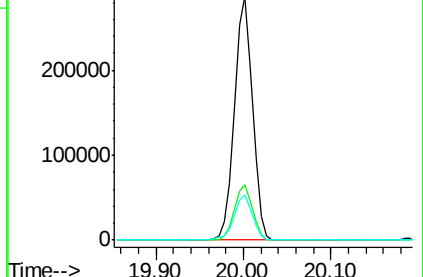
203 18.3 14.3 21.5

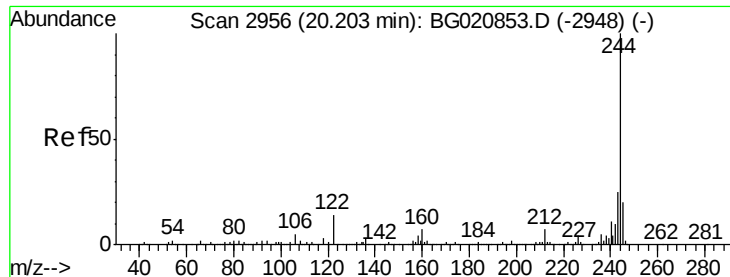


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 95.15 ng

RT: 20.18 min Scan# 2953

Delta R.T. -0.02 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

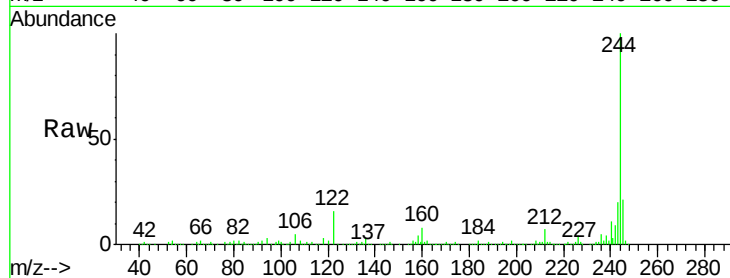
Tgt Ion:244 Resp: 518558

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

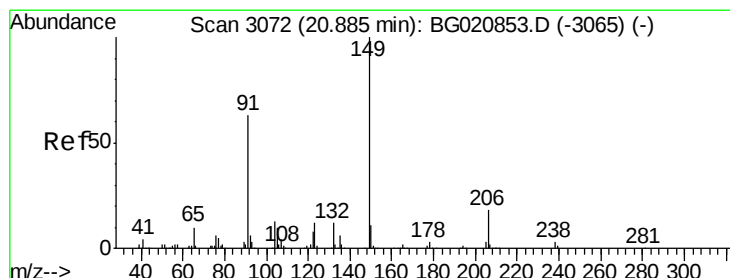
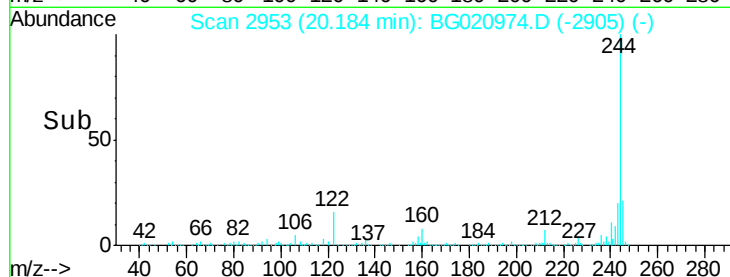
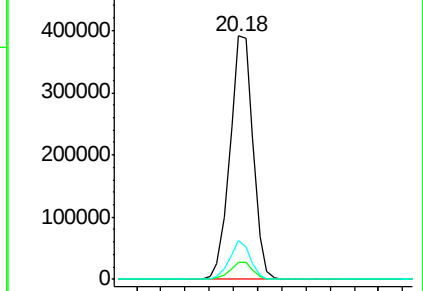
122 15.8 11.4 17.2



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: 47.42 ng

RT: 20.87 min Scan# 3069

Delta R.T. -0.02 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

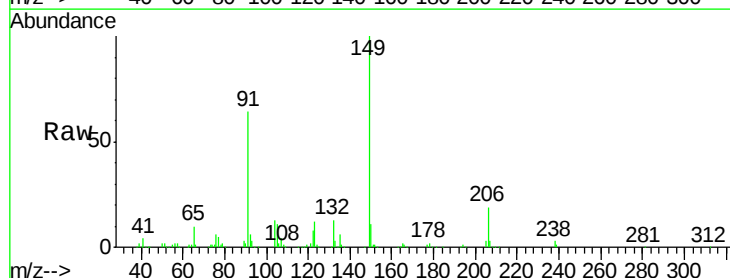
Tgt Ion:149 Resp: 190414

Ion Ratio Lower Upper

149 100

91 64.4 50.6 76.0

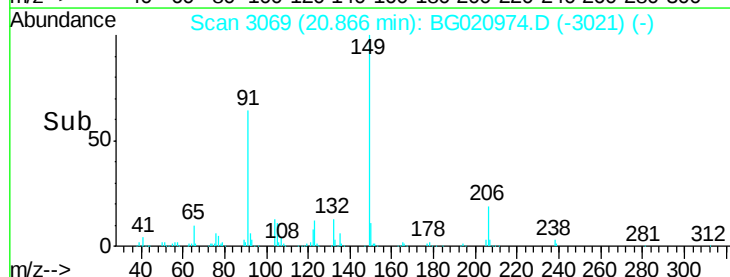
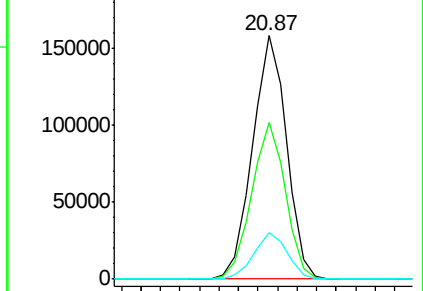
206 19.1 14.6 22.0

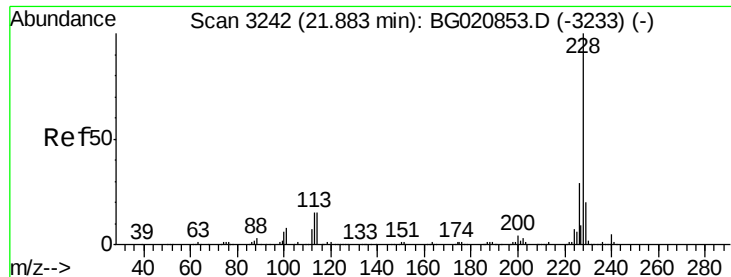


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 48.25 ng

RT: 21.86 min Scan# 3239

Delta R.T. -0.02 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

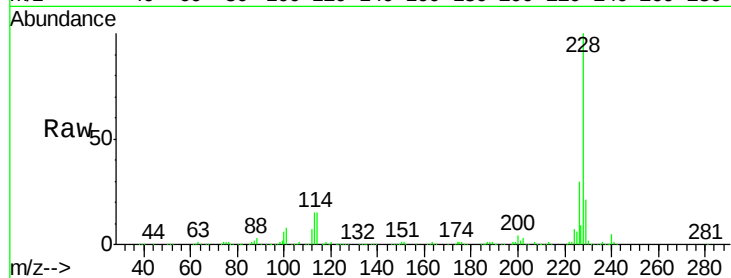
Tgt Ion:228 Resp: 366221

Ion Ratio Lower Upper

228 100

226 29.8 23.1 34.7

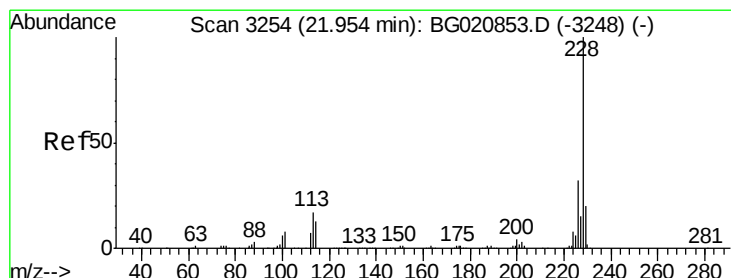
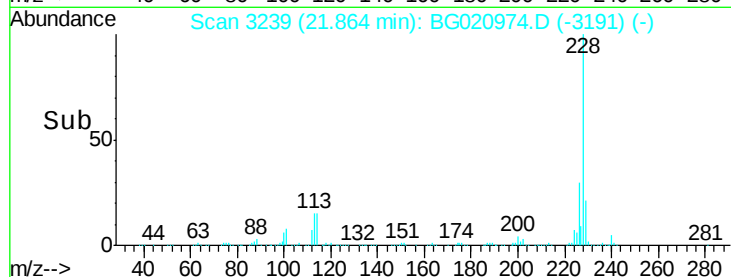
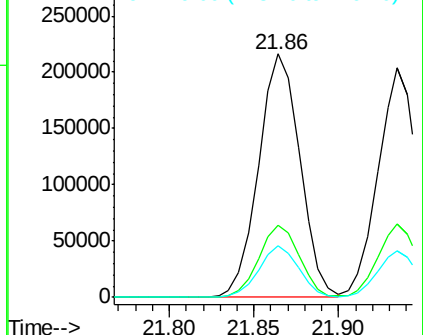
229 21.0 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 46.06 ng

RT: 21.93 min Scan# 3251

Delta R.T. -0.02 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

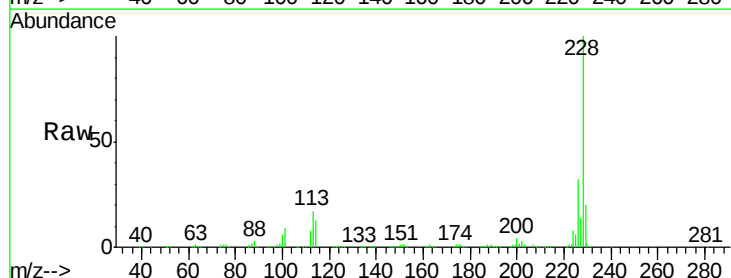
Tgt Ion:228 Resp: 328789

Ion Ratio Lower Upper

228 100

226 31.9 25.3 37.9

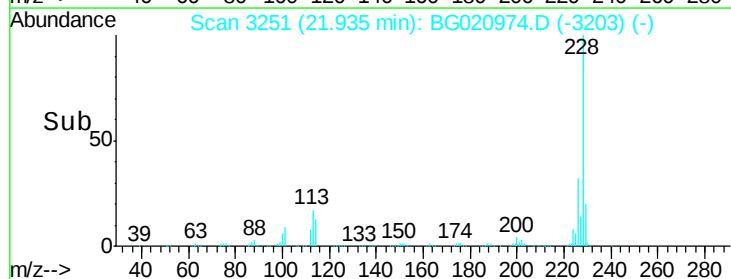
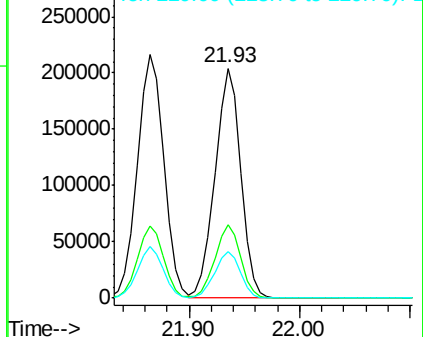
229 20.5 16.2 24.2

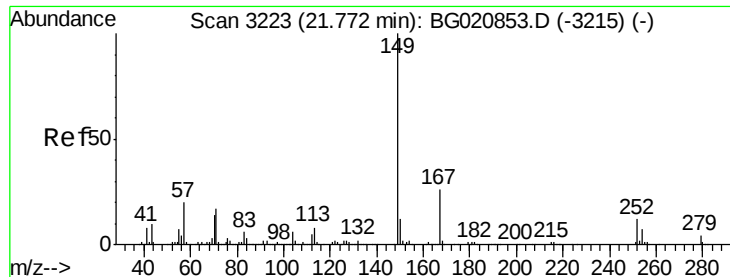


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

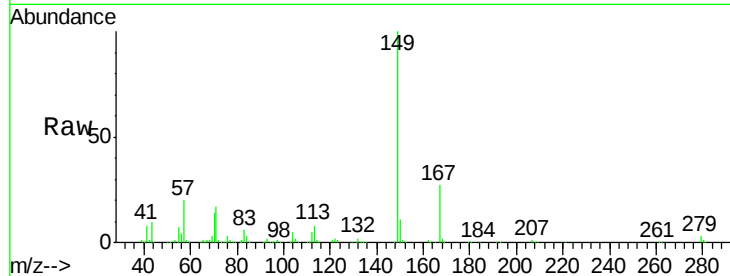




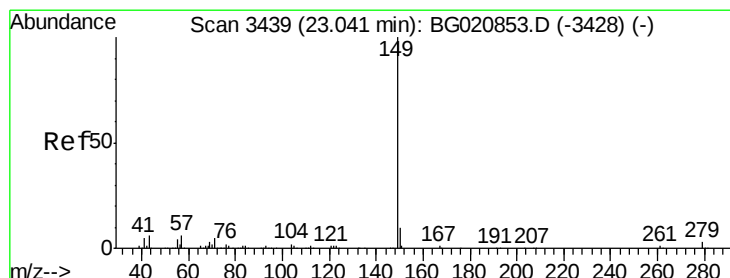
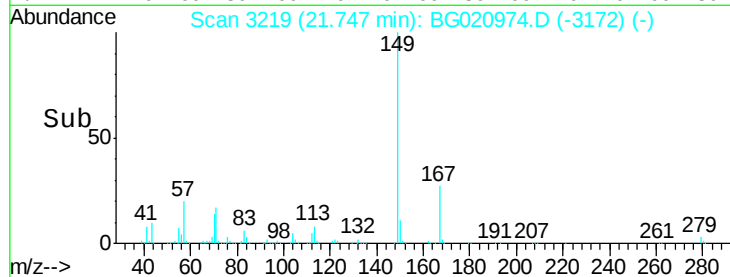
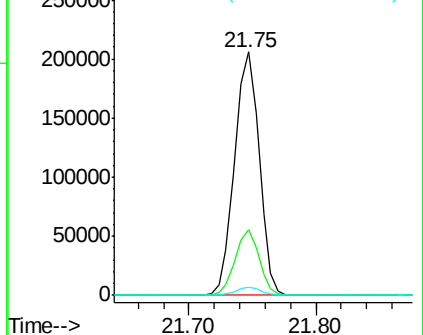
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 46.35 ng
 RT: 21.75 min Scan# 3219
 Delta R.T. -0.02 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

Tgt Ion:149 Resp: 275960
 Ion Ratio Lower Upper
 149 100
 167 26.8 20.9 31.3
 279 3.4 3.0 4.4

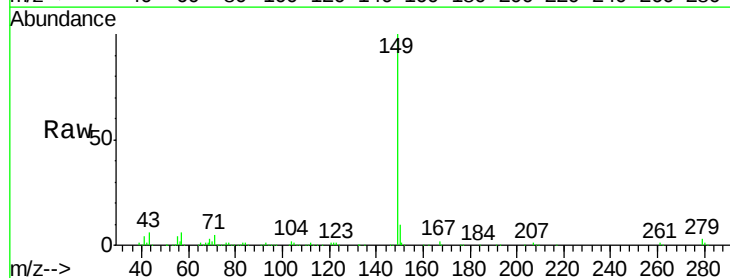


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

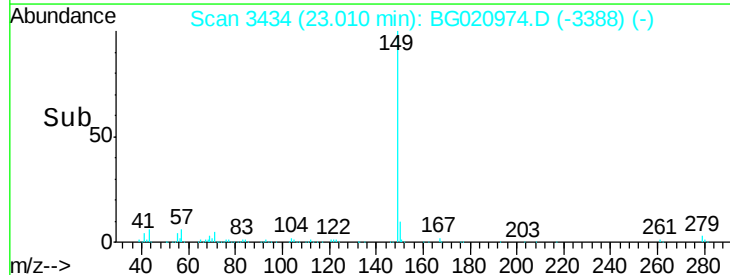
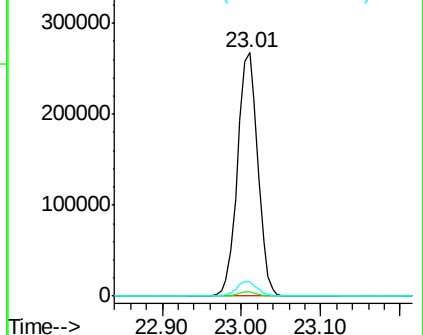


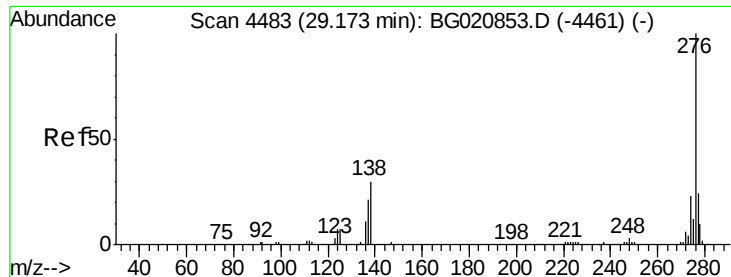
#84
 Di-n-octyl phthalate
 Concen: 48.53 ng
 RT: 23.01 min Scan# 3434
 Delta R.T. -0.03 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

Tgt Ion:149 Resp: 474210
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 6.1 5.1 7.7



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BG

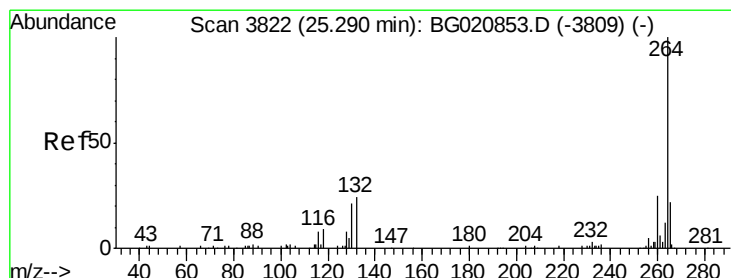
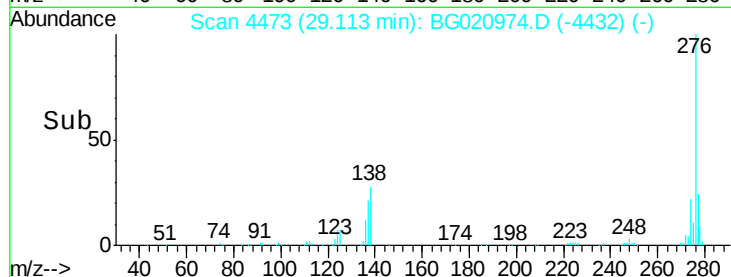
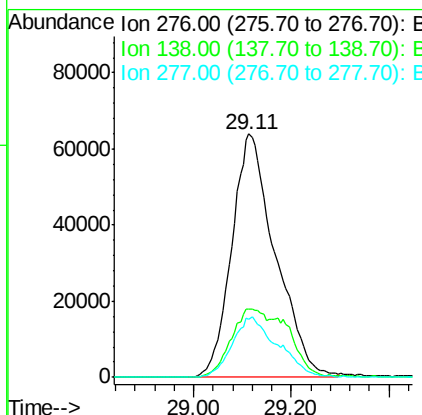
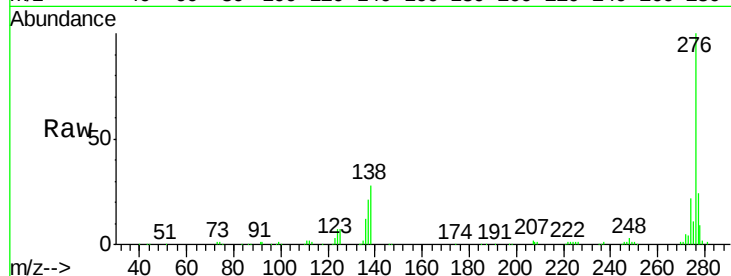




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 48.30 ng
 RT: 29.11 min Scan# 4473
 Delta R.T. -0.06 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

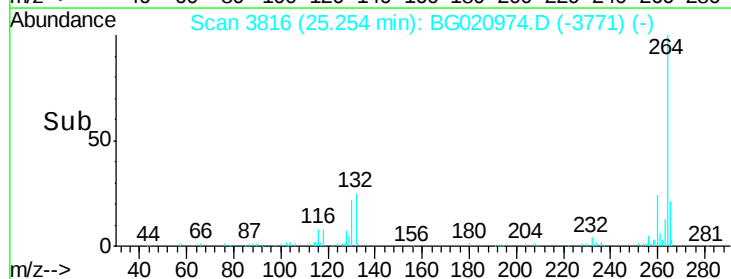
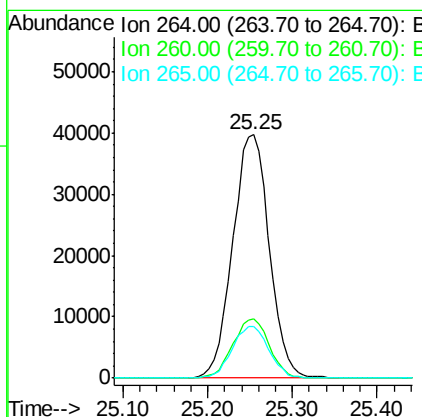
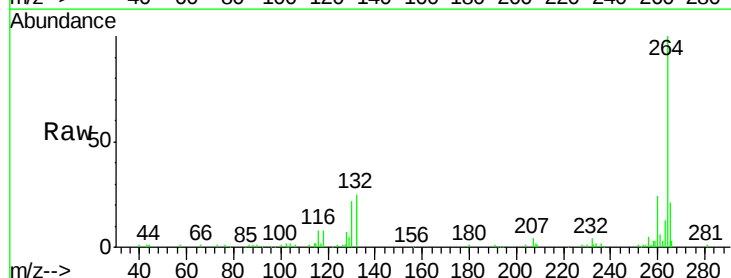
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

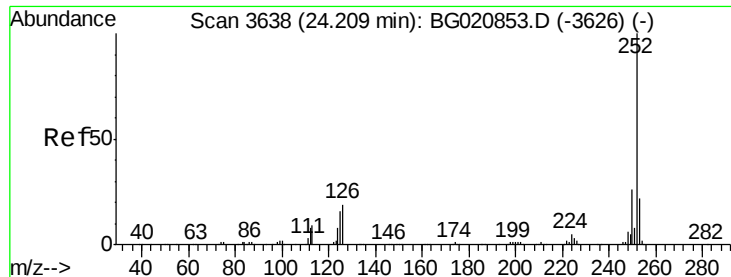
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.1	30.1
277	25.9	20.5	30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.25 min Scan# 3816
 Delta R.T. -0.04 min
 Lab File: BG020974.D
 Acq: 19 Feb 2016 16:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.9	29.9
265	20.9	18.0	27.0

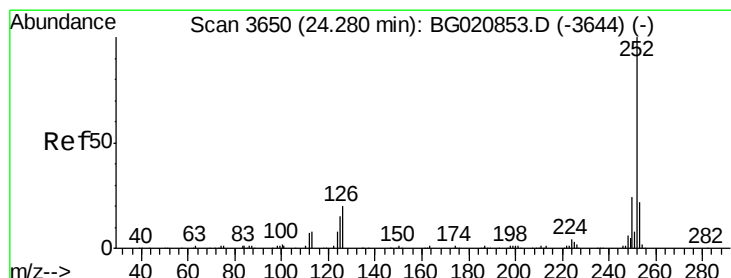
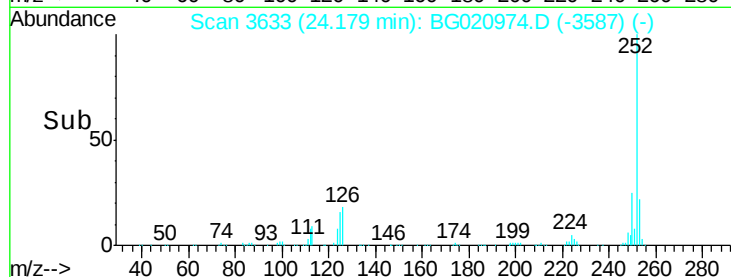
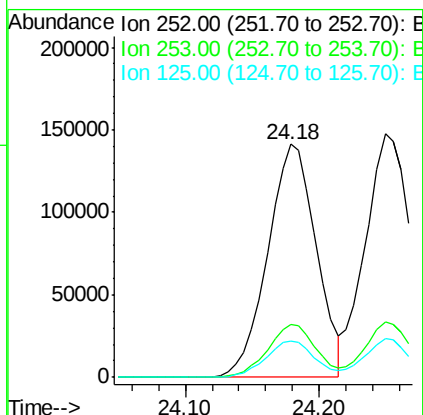
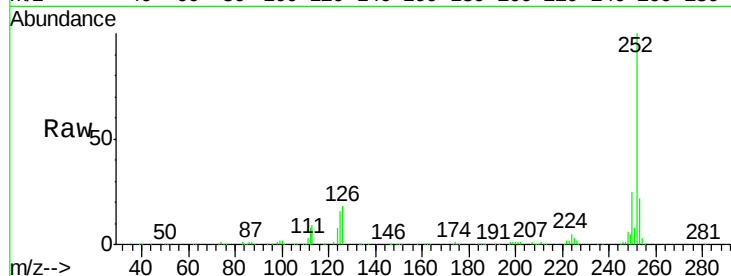




#87
Benzo(b)fluoranthene
Concen: 49.09 ng
RT: 24.18 min Scan# 3633
Delta R.T. -0.03 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

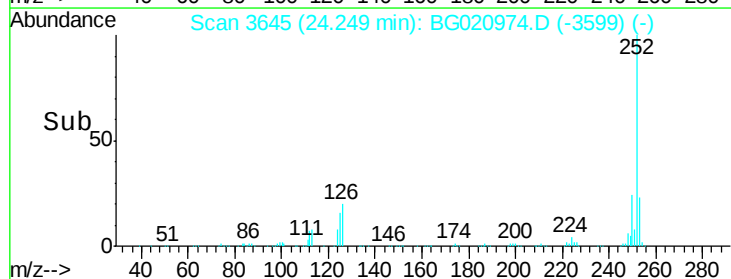
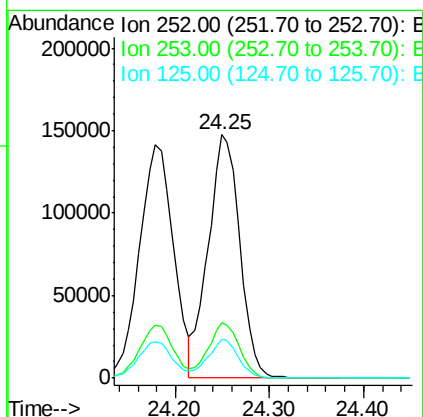
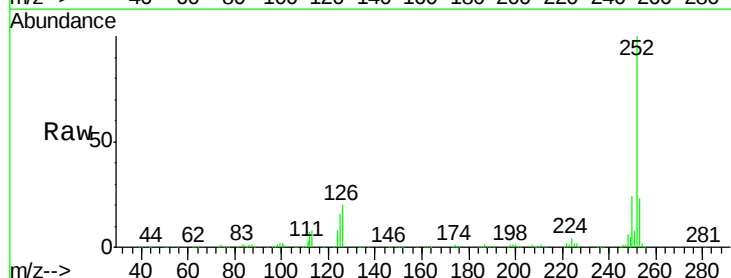
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGSMS

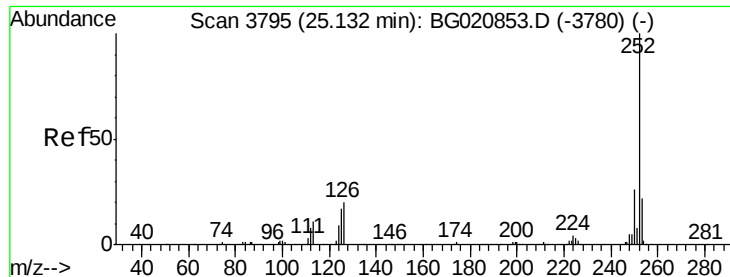
Tgt Ion:252 Resp: 356212
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 15.8 12.5 18.7



#88
Benzo(k)fluoranthene
Concen: 48.58 ng
RT: 24.25 min Scan# 3645
Delta R.T. -0.03 min
Lab File: BG020974.D
Acq: 19 Feb 2016 16:18

Tgt Ion:252 Resp: 345339
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 16.0 12.2 18.4





#89

Benzo(a)pyrene

Concen: 49.63 ng

RT: 25.10 min Scan# 3789

Delta R.T. -0.04 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS

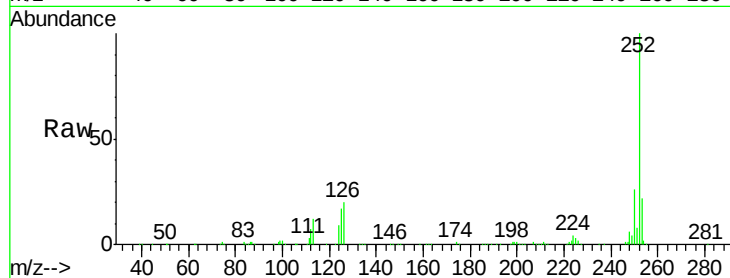
Tgt Ion:252 Resp: 343078

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

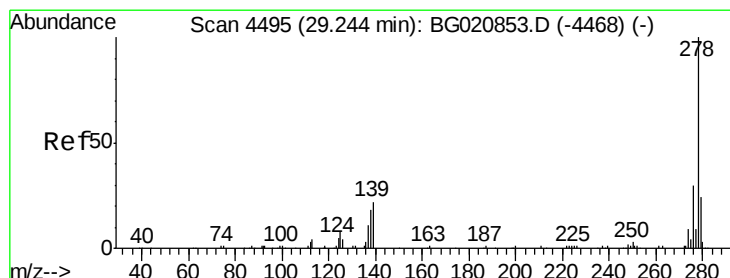
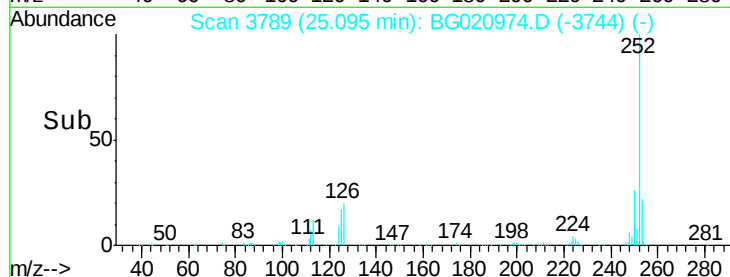
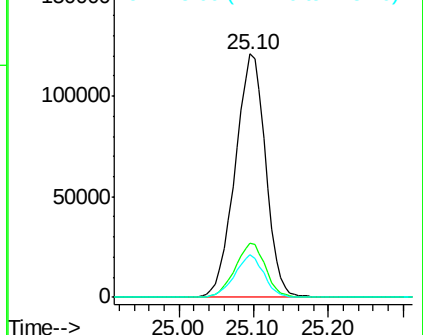
125 17.3 13.6 20.4



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: 48.62 ng

RT: 29.18 min Scan# 4485

Delta R.T. -0.06 min

Lab File: BG020974.D

Acq: 19 Feb 2016 16:18

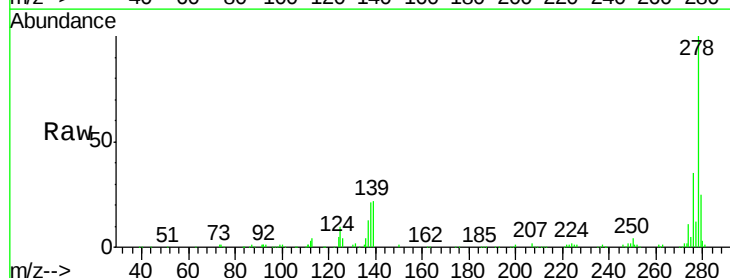
Tgt Ion:278 Resp: 326839

Ion Ratio Lower Upper

278 100

139 22.5 17.3 25.9

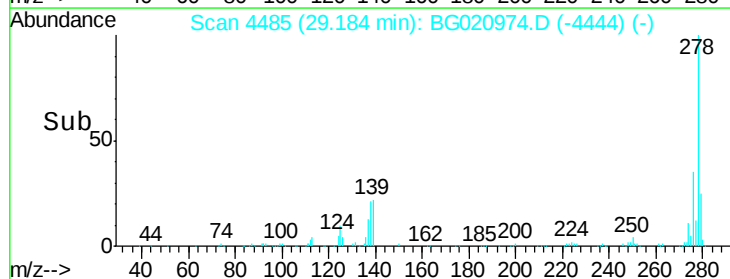
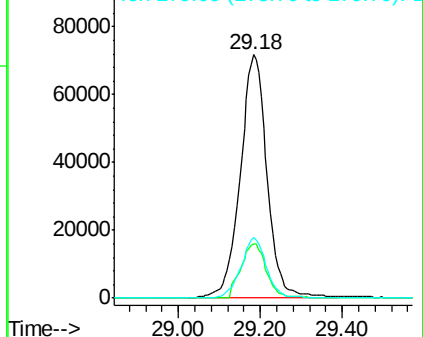
279 24.6 19.1 28.7

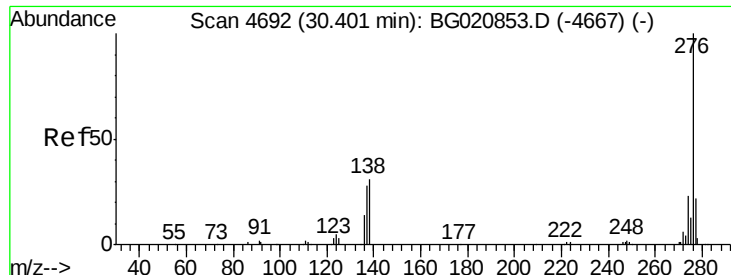


Abundance Ion 278.00 (277.70 to 278.70): E

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: 48.73 ng

RT: 30.33 min Scan# 4680

Delta R.T. -0.07 min

Lab File: BG020974.D

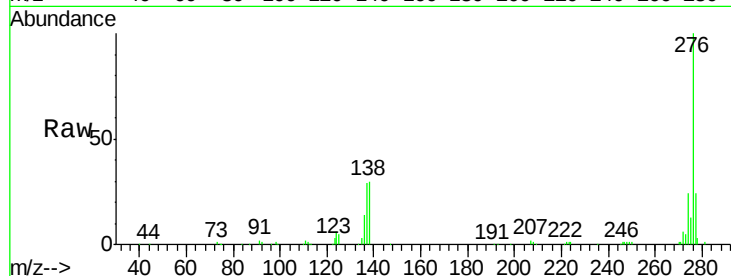
Acq: 19 Feb 2016 16:18

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGSMS



Tgt Ion:	276	Resp:	325180
Ion Ratio		Lower	Upper
276	100		
277	24.1	17.6	26.4
138	30.3	25.2	37.8

