

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG053119\
 Data File : BG040978.D
 Acq On : 31 May 2019 14:41
 Operator : HP/JU
 Sample : K2241-02
 Misc : LOQ-S-20PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Quant Time: Jun 01 05:12:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	46151	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	183773	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	131101	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	342187	20.00	ng	0.00
76) Chrysene-d12	21.78	240	353409	20.00	ng	0.00
87) Perylene-d12	25.11	264	372741	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	240042	93.79	ng	0.00
7) Phenol-d6	7.26	99	352168	89.10	ng	0.00
23) Nitrobenzene-d5	9.30	82	242993	58.70	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	196282	100.85	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	559484	61.46	ng	0.00
79) Terphenyl-d14	20.09	244	1072977	64.44	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.53	88	25314	21.796	ng	94
3) Pyridine	3.93	79	63721	18.542	ng	97
4) n-Nitrosodimethylamine	3.86	42	32490	20.371	ng	# 93
6) Aniline	7.44	93	100239	18.999	ng	97
8) 2-Chlorophenol	7.68	128	61701	20.222	ng	88
9) Benzaldehyde	7.26	77	72187	30.615	ng	88
10) Phenol	7.29	94	85014	20.060	ng	99
11) bis(2-Chloroethyl)ether	7.53	93	62095	20.197	ng	94
12) 1,3-Dichlorobenzene	8.00	146	73472	20.161	ng	98
13) 1,4-Dichlorobenzene	8.16	146	75130	20.367	ng	96
14) 1,2-Dichlorobenzene	8.47	146	71765	20.037	ng	97
15) Benzyl Alcohol	8.36	79	74112	20.269	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.63	45	100636	20.031	ng	96
17) 2-Methylphenol	8.55	107	59470	19.380	ng	94
18) Hexachloroethane	9.20	117	28359	19.947	ng	96
19) n-Nitroso-di-n-propylamine	8.92	70	62681	20.606	ng	96
20) 3+4-Methylphenols	8.88	107	78448	18.456	ng	96
22) Acetophenone	8.95	105	120924	23.457	ng	98
24) Nitrobenzene	9.34	77	93863	22.250	ng	98
25) Isophorone	9.86	82	173529	22.027	ng	97
26) 2-Nitrophenol	10.06	139	38328	22.039	ng	92
27) 2,4-Dimethylphenol	10.09	122	65333	22.746	ng	92
28) bis(2-Chloroethoxy)methane	10.34	93	90113	21.193	ng	# 93
29) 2,4-Dichlorophenol	10.58	162	73239	20.080	ng	97
30) 1,2,4-Trichlorobenzene	10.80	180	87849	21.172	ng	92
31) Naphthalene	11.00	128	213137	21.601	ng	98
32) Benzoic acid	10.16	122	23002	16.685	ng	# 88
33) 4-Chloroaniline	11.10	127	90514	19.771	ng	96
34) Hexachlorobutadiene	11.26	225	64547	20.331	ng	99
35) Caprolactam	11.87	113	24282	20.160	ng	94
36) 4-Chloro-3-methylphenol	12.20	107	85246	20.464	ng	95
37) 2-Methylnaphthalene	12.59	142	160627	21.137	ng	96
38) 1-Methylnaphthalene	12.80	142	152076	21.236	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.95	216	123533	23.378	ng	99

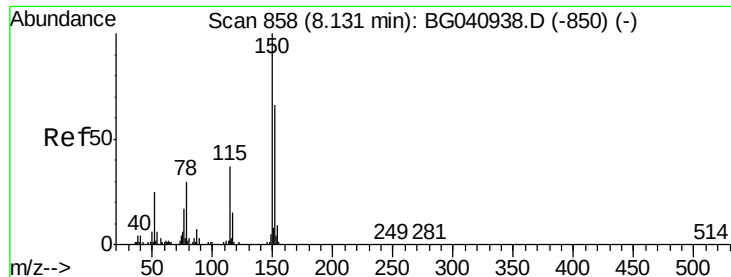
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG053119\
 Data File : BG040978.D
 Acq On : 31 May 2019 14:41
 Operator : HP/JU
 Sample : K2241-02
 Misc : LOQ-S-20PPM
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Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Quant Time: Jun 01 05:12:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.92	237	61593	27.687	ng	92
43) 2,4,6-Trichlorophenol	13.19	196	70920	20.747	ng	89
44) 2,4,5-Trichlorophenol	13.26	196	77277	21.435	ng	98
46) 1,1'-Biphenyl	13.59	154	228243	23.520	ng	97
47) 2-Chloronaphthalene	13.63	162	179749	21.576	ng	95
48) 2-Nitroaniline	13.84	65	61567	20.600	ng	98
49) Acenaphthylene	14.48	152	286857	22.878	ng	99
50) Dimethylphthalate	14.20	163	242313	21.834	ng	98
51) 2,6-Dinitrotoluene	14.33	165	51567	21.551	ng	96
52) Acenaphthene	14.81	154	163859	21.572	ng	98
53) 3-Nitroaniline	14.66	138	48503	20.271	ng	98
54) 2,4-Dinitrophenol	14.87	184	8897	16.883	ng	# 71
55) Dibenzofuran	15.15	168	290342	22.716	ng	98
56) 4-Nitrophenol	14.95	139	35119	21.399	ng	93
57) 2,4-Dinitrotoluene	15.11	165	73482	21.740	ng	89
58) Fluorene	15.80	166	222880	21.897	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.37	232	80597	22.749	ng	97
60) Diethylphthalate	15.55	149	247525	21.855	ng	98
61) 4-Chlorophenyl-phenylether	15.78	204	140364	21.216	ng	94
62) 4-Nitroaniline	15.82	138	53444	21.098	ng	88
63) Azobenzene	16.07	77	231706	22.510	ng	97
65) 4,6-Dinitro-2-methylphenol	15.87	198	25522	20.018	ng	99
66) n-Nitrosodiphenylamine	16.00	169	208707	21.697	ng	99
67) 4-Bromophenyl-phenylether	16.68	248	91340	19.779	ng	99
68) Hexachlorobenzene	16.79	284	98635	20.058	ng	98
69) Atrazine	16.94	200	90489	24.380	ng	98
70) Pentachlorophenol	17.14	266	39015	18.279	ng	94
71) Phenanthrene	17.54	178	392457	22.018	ng	97
72) Anthracene	17.63	178	407165	23.162	ng	99
73) Carbazole	17.90	167	351764	23.321	ng	97
74) Di-n-butylphthalate	18.43	149	416229	22.202	ng	100
75) Fluoranthene	19.54	202	528140	23.989	ng	98
77) Benzidine	19.72	184	222457	26.387	ng	96
78) Pyrene	19.90	202	536377	23.347	ng	98
80) Butylbenzylphthalate	20.77	149	191877	21.462	ng	97
81) Benzo(a)anthracene	21.75	228	517181	21.984	ng	98
82) 3,3'-Dichlorobenzidine	21.67	252	189004	22.842	ng	97
83) Chrysene	21.82	228	507335	22.536	ng	99
84) Bis(2-ethylhexyl)phthalate	21.62	149	263858	20.965	ng	99
85) Di-n-octyl phthalate	22.87	149	448238	21.385	ng	99
86) Indeno(1,2,3-cd)pyrene	28.94	276	585458	21.230	ng	# 90
88) Benzo(b)fluoranthene	24.04	252	503936	22.290	ng	100
89) Benzo(k)fluoranthene	24.12	252	510561	22.821	ng	99
90) Benzo(a)pyrene	24.95	252	493271	22.869	ng	# 91
91) Dibenzo(a,h)anthracene	29.01	278	479479	22.247	ng	99
92) Benzo(g,h,i)perylene	30.16	276	487209	23.268	ng	98

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

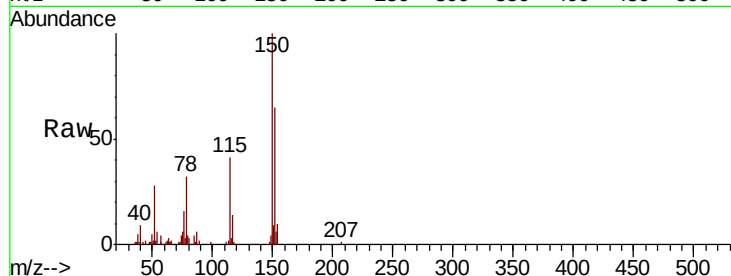


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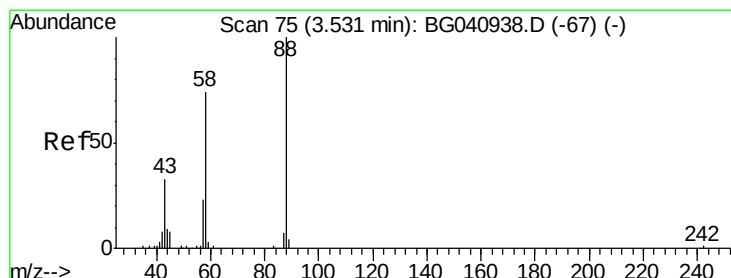
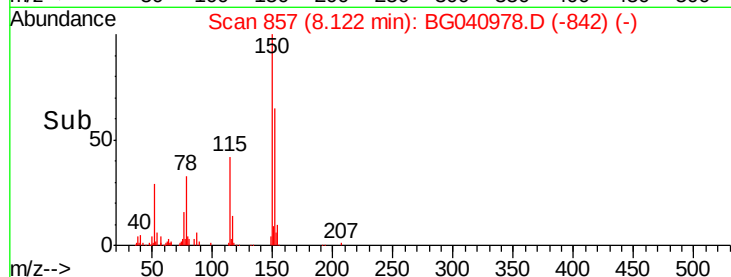
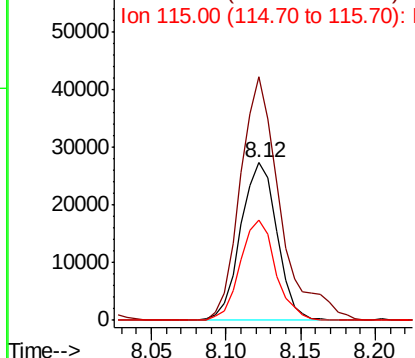
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG040978.D
Acq: 31 May 2019 14:41

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:152 Resp: 46151
Ion Ratio Lower Upper
152 100
150 154.7 120.6 180.8
115 63.8 45.1 67.7



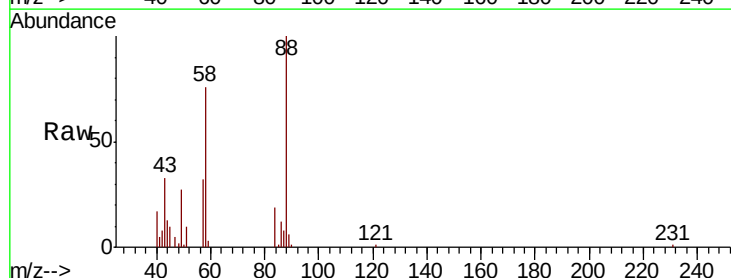
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



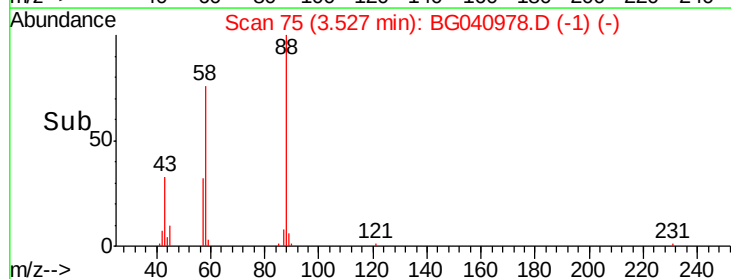
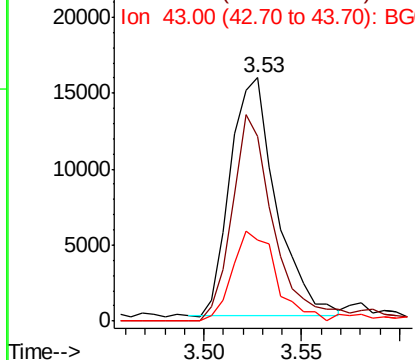
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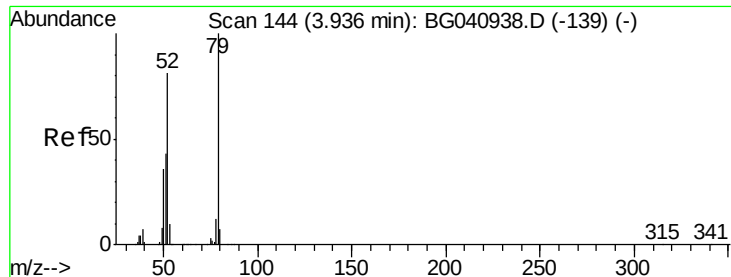
1,4-Dioxane
Concen: 21.796 ng
RT: 3.53 min Scan# 75
Delta R.T. -0.00 min
Lab File: BG040978.D
Acq: 31 May 2019 14:41

Tgt Ion: 88 Resp: 25314
Ion Ratio Lower Upper
88 100
58 79.1 59.0 88.6
43 36.2 27.2 40.8



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: 18.542 ng

RT: 3.93 min Scan# 144

Delta R.T. -0.00 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

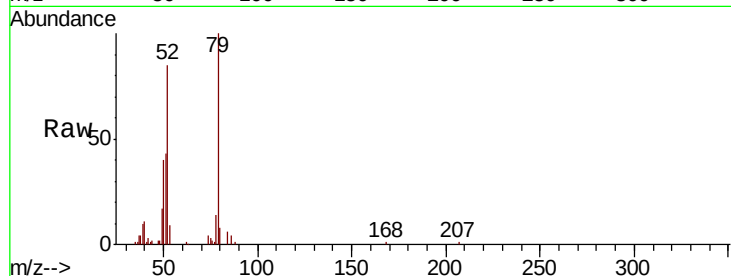
Tgt Ion: 79 Resp: 63721

Ion Ratio Lower Upper

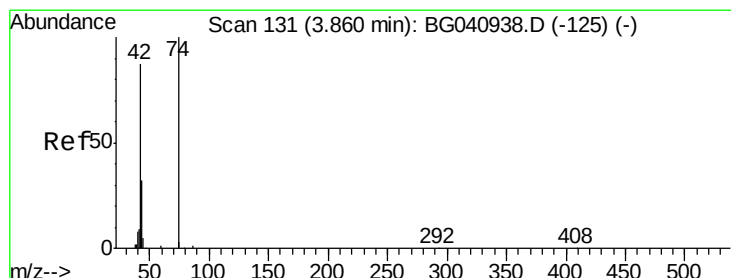
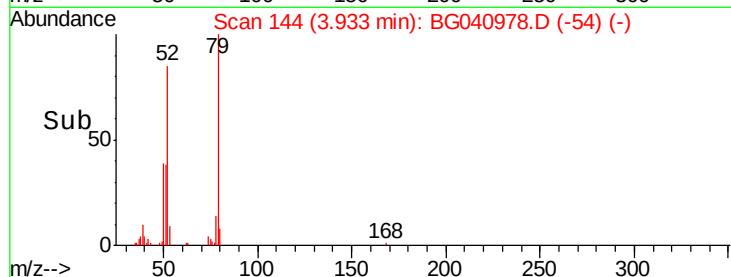
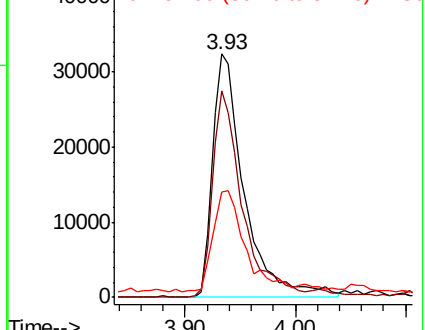
79 100

52 84.6 64.8 97.2

51 43.5 35.3 52.9



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: 20.371 ng

RT: 3.86 min Scan# 131

Delta R.T. -0.00 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

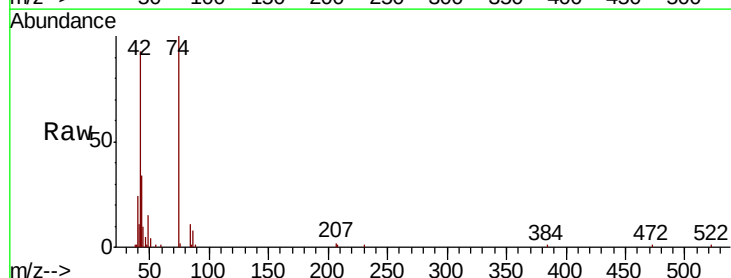
Tgt Ion: 42 Resp: 32490

Ion Ratio Lower Upper

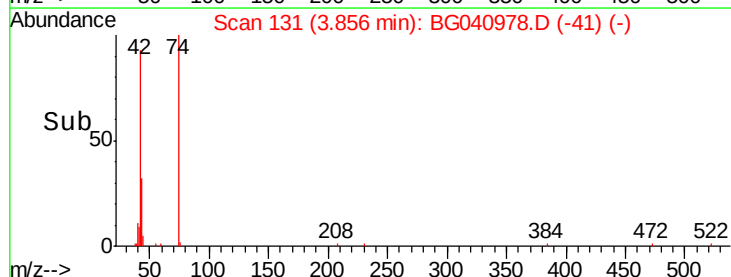
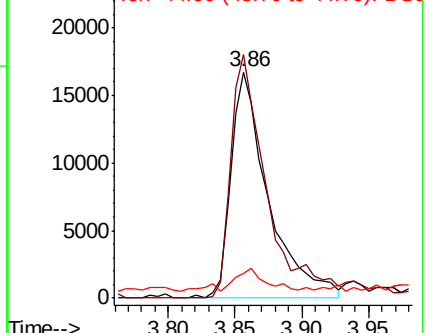
42 100

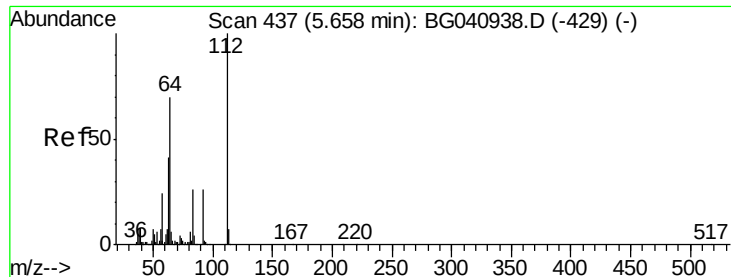
74 107.6 91.8 137.6

44 10.8 6.0 9.0#



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: 93.789 ng

RT: 5.65 min Scan# 437

Delta R.T. -0.00 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

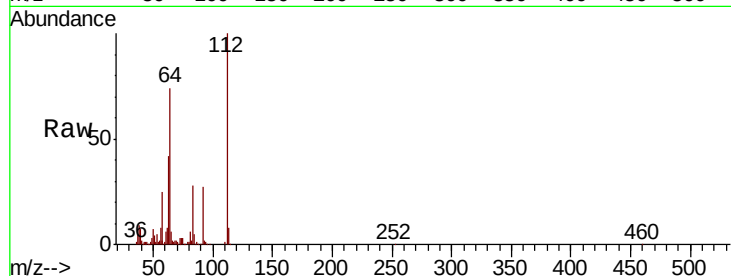
Tgt Ion: 112 Resp: 240042

Ion Ratio Lower Upper

112 100

64 73.7 56.2 84.2

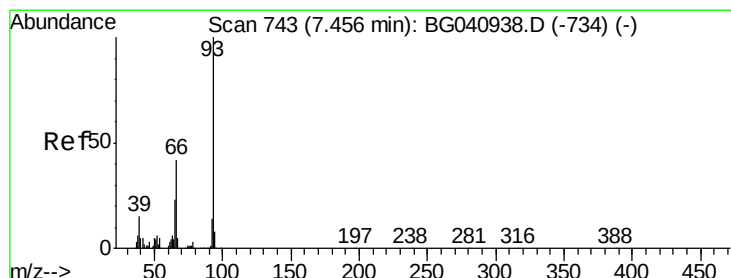
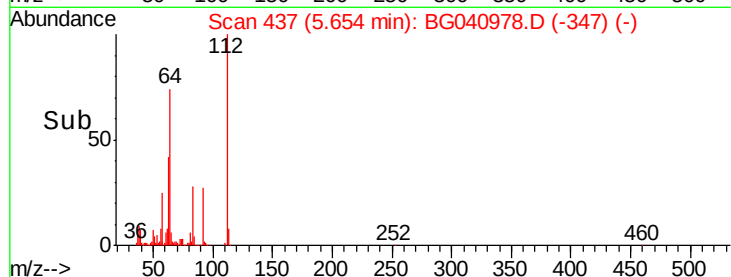
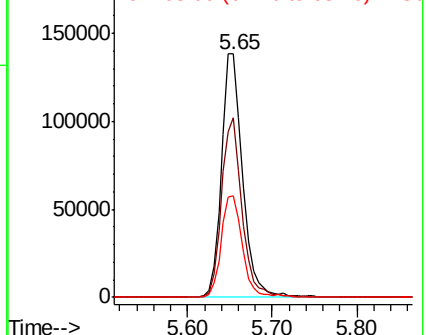
63 41.8 32.8 49.2



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: 18.999 ng

RT: 7.44 min Scan# 741

Delta R.T. -0.02 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

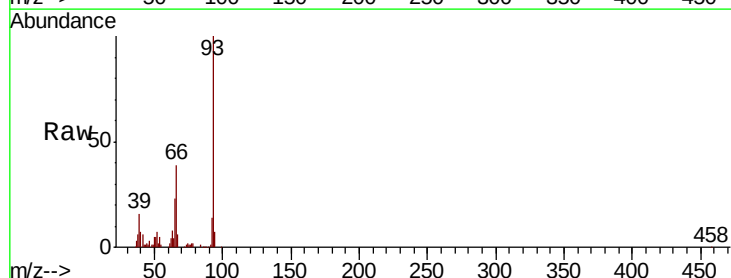
Tgt Ion: 93 Resp: 100239

Ion Ratio Lower Upper

93 100

66 39.3 33.8 50.8

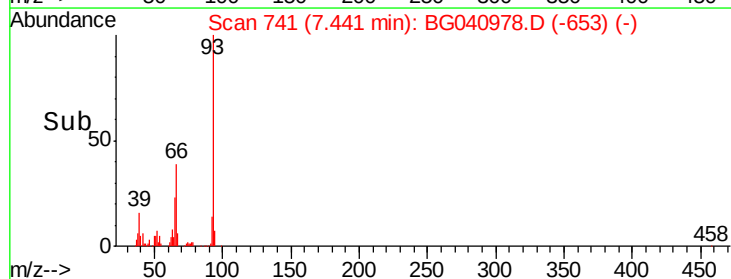
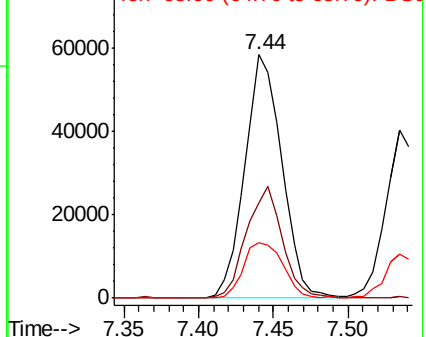
65 22.6 18.3 27.5

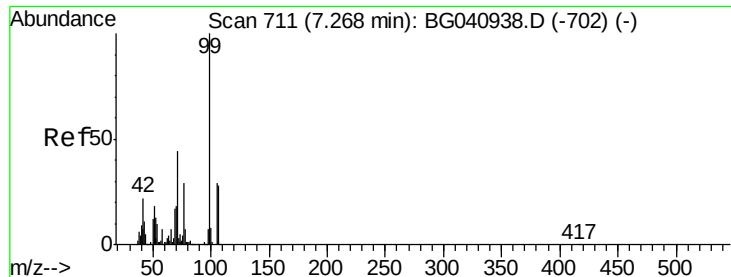


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 89.096 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

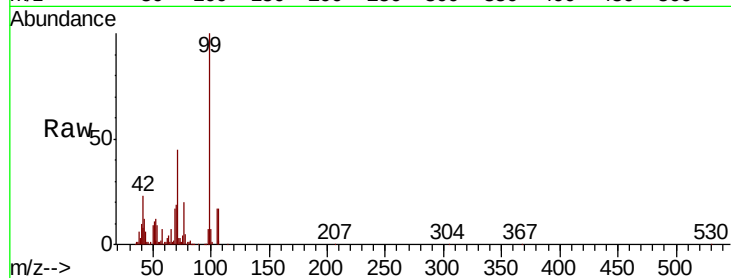
Tgt Ion: 99 Resp: 352168

Ion Ratio Lower Upper

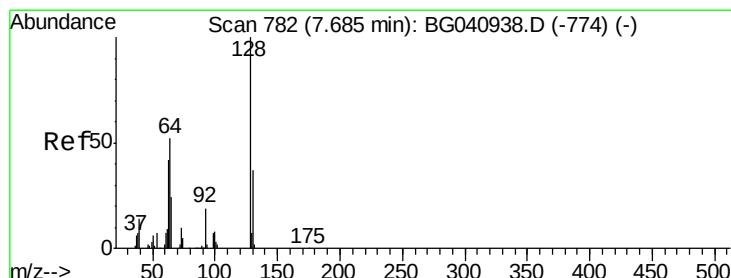
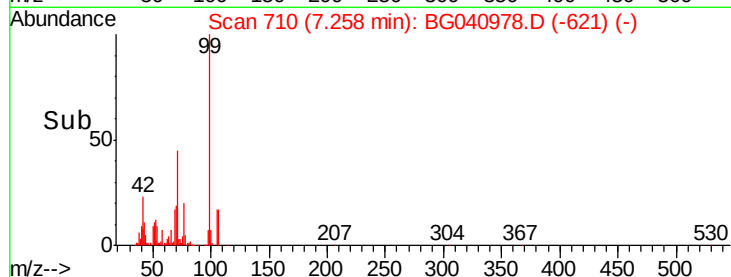
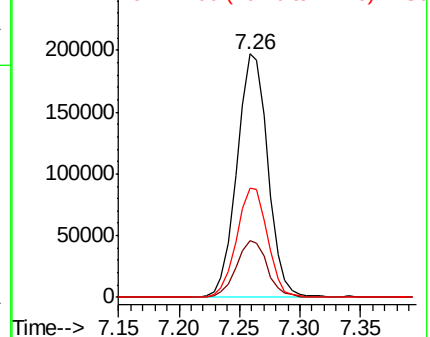
99 100

42 23.2 17.9 26.9

71 44.7 35.4 53.0



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: 20.222 ng

RT: 7.68 min Scan# 782

Delta R.T. -0.00 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

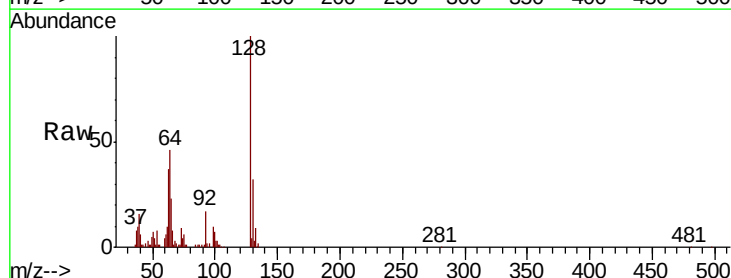
Tgt Ion: 128 Resp: 61701

Ion Ratio Lower Upper

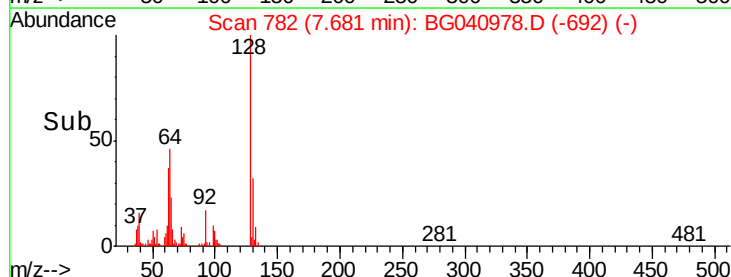
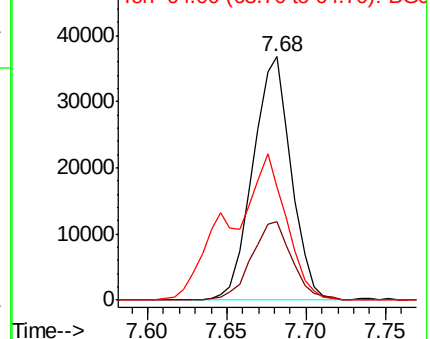
128 100

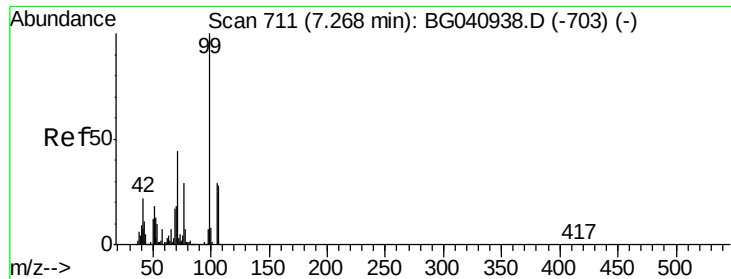
130 32.2 16.6 56.6

64 46.3 37.8 77.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 30.615 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

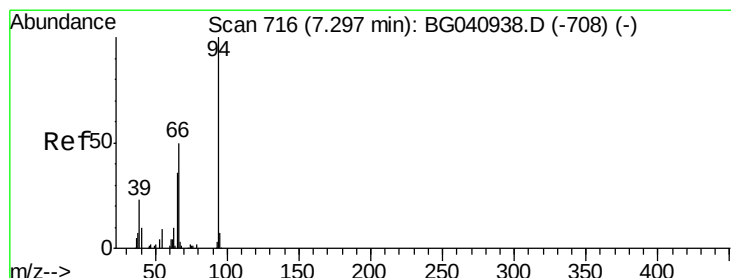
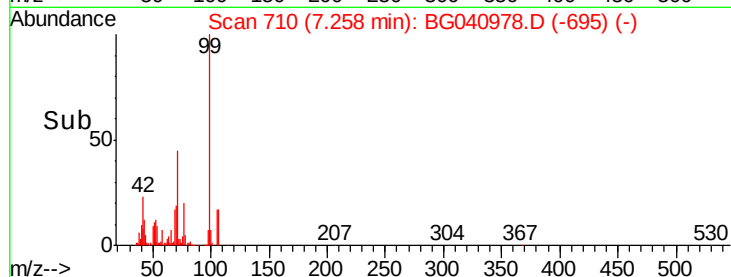
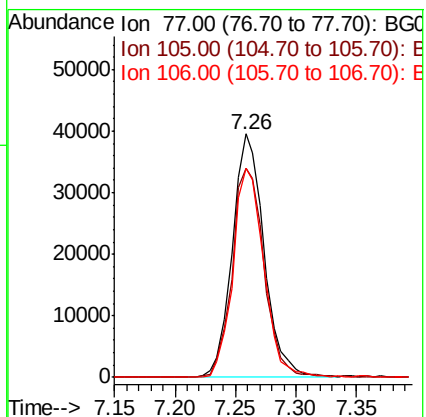
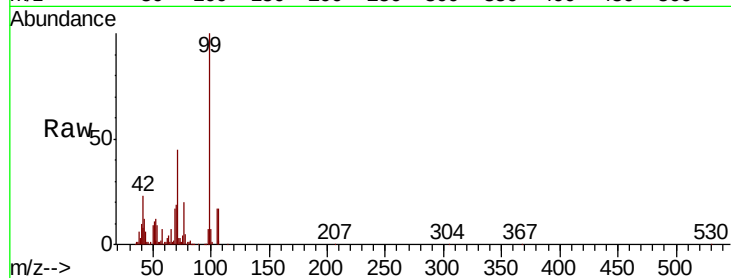
Tgt Ion: 77 Resp: 72187

Ion Ratio Lower Upper

77 100

105 86.1 78.9 118.9

106 85.9 76.7 116.7



#10

Phenol

Concen: 20.060 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

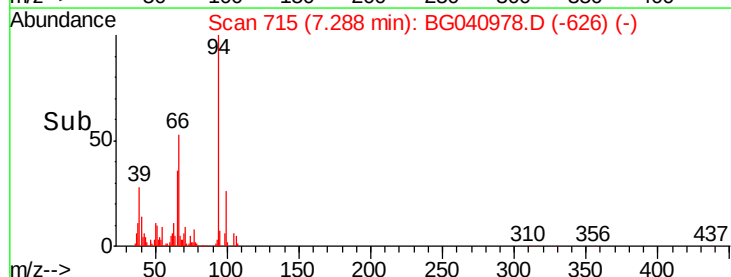
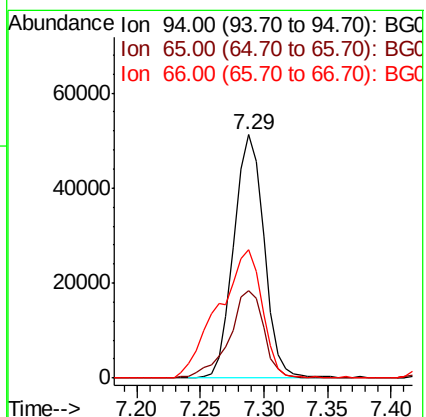
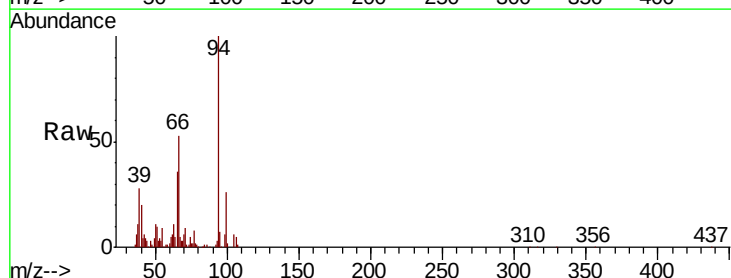
Tgt Ion: 94 Resp: 85014

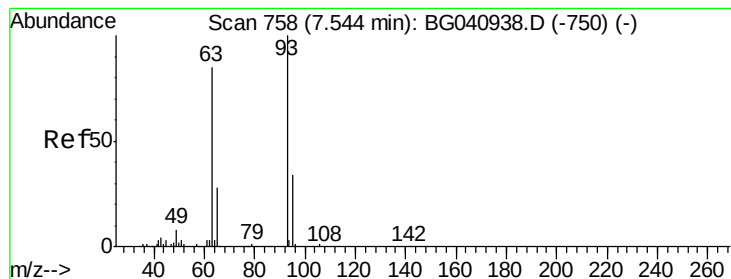
Ion Ratio Lower Upper

94 100

65 35.7 17.0 57.0

66 52.8 32.4 72.4





#11

bis(2-Chloroethyl)ether

Concen: 20.197 ng

RT: 7.53 min Scan# 757

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

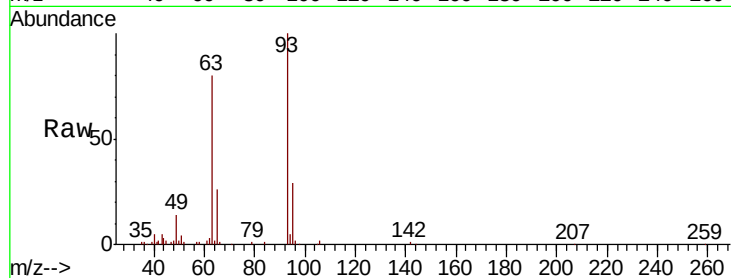
Tgt Ion: 93 Resp: 62095

Ion Ratio Lower Upper

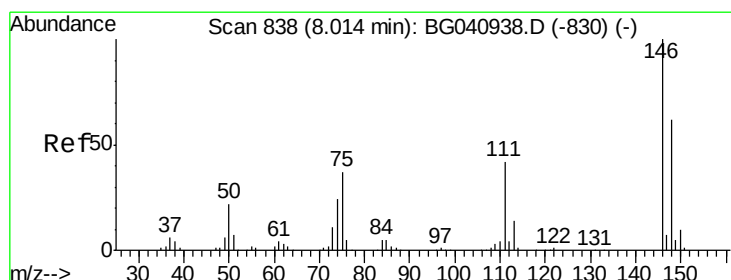
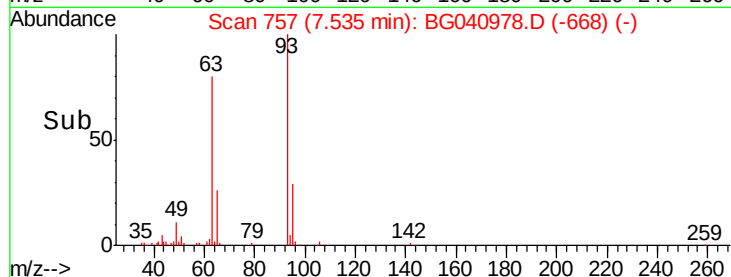
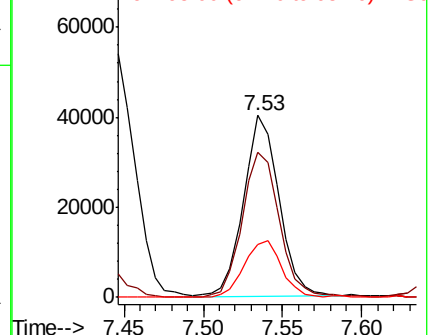
93 100

63 79.9 64.5 104.5

95 28.9 13.3 53.3



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: 20.161 ng

RT: 8.00 min Scan# 837

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

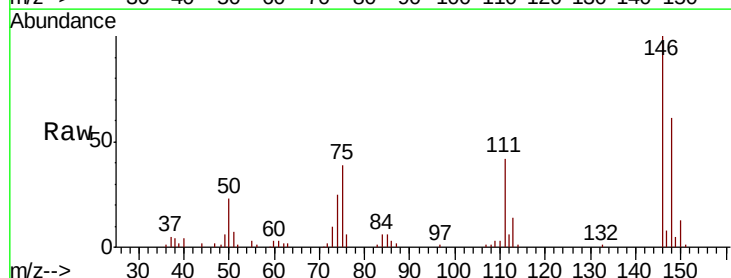
Tgt Ion: 146 Resp: 73472

Ion Ratio Lower Upper

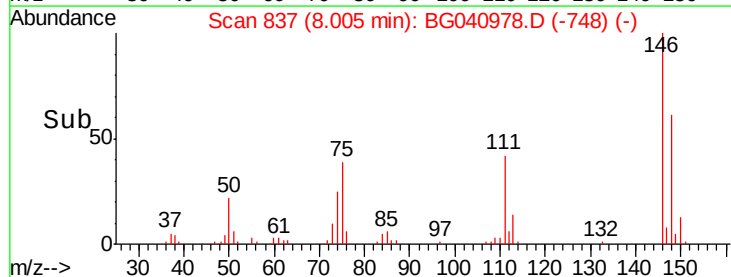
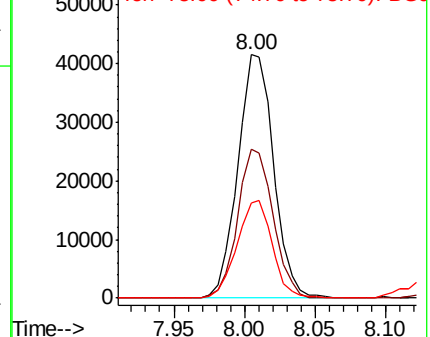
146 100

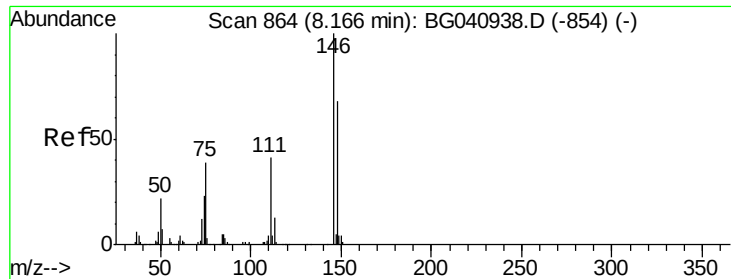
148 61.0 49.2 73.8

75 39.1 29.4 44.0



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

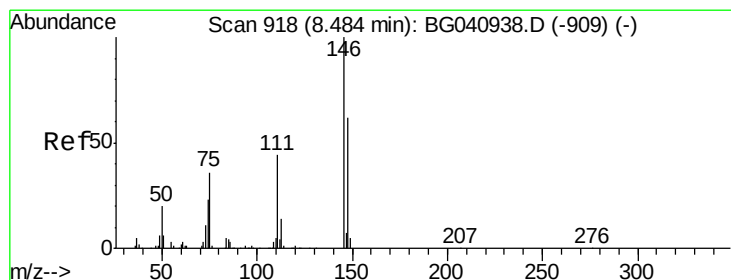
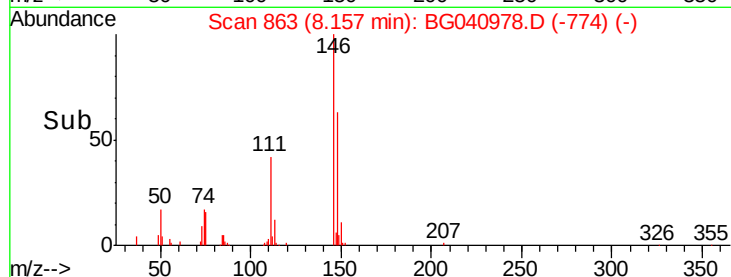
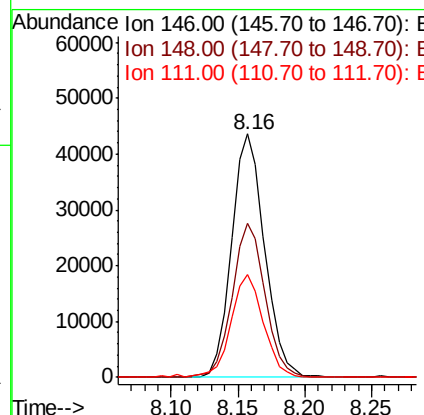
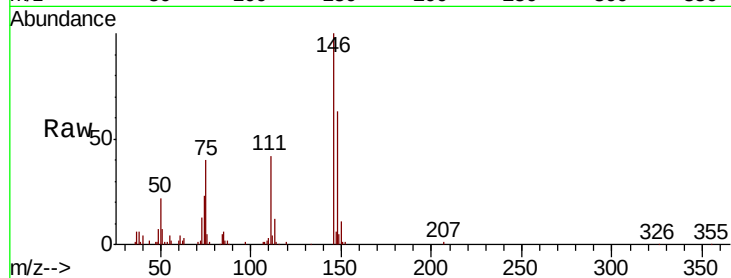




#13
 1,4-Dichlorobenzene
 Concen: 20.367 ng
 RT: 8.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

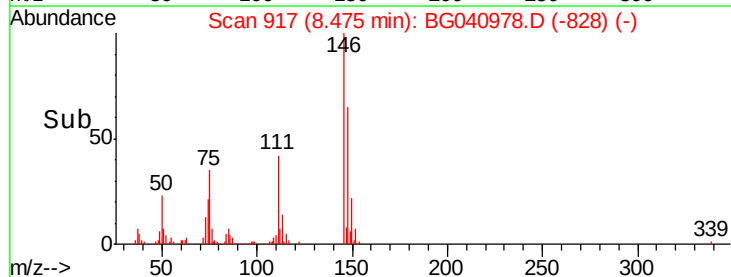
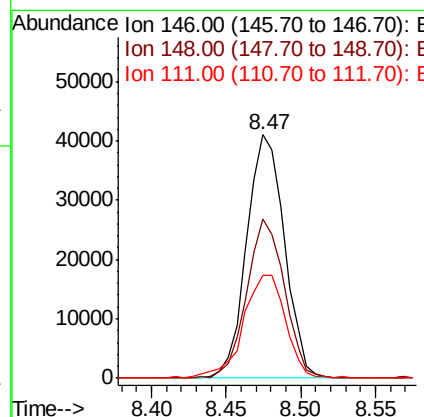
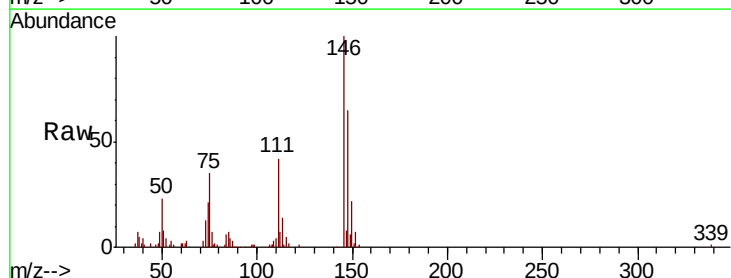
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

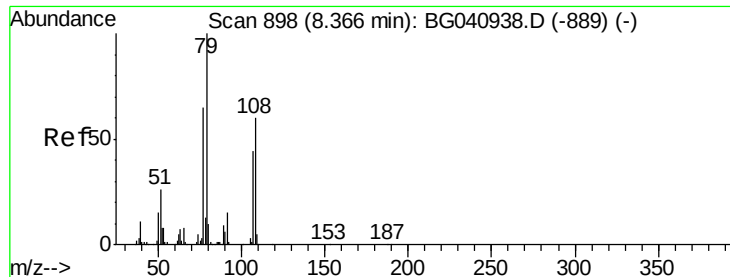
Tgt Ion:146 Resp: 75130
 Ion Ratio Lower Upper
 146 100
 148 63.4 54.2 81.4
 111 42.1 32.9 49.3



#14
 1,2-Dichlorobenzene
 Concen: 20.037 ng
 RT: 8.47 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

Tgt Ion:146 Resp: 71765
 Ion Ratio Lower Upper
 146 100
 148 65.4 49.8 74.6
 111 42.5 35.0 52.4

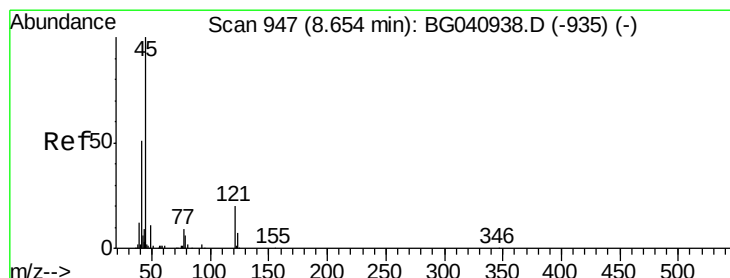
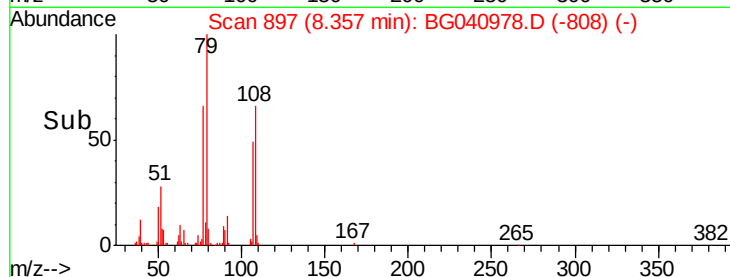
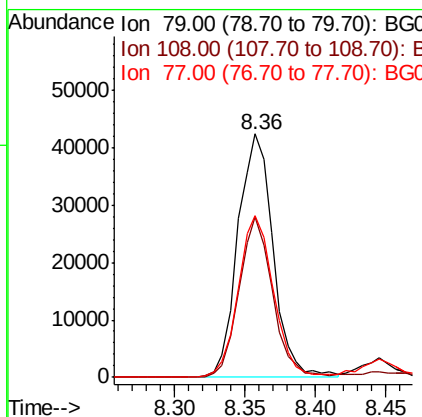
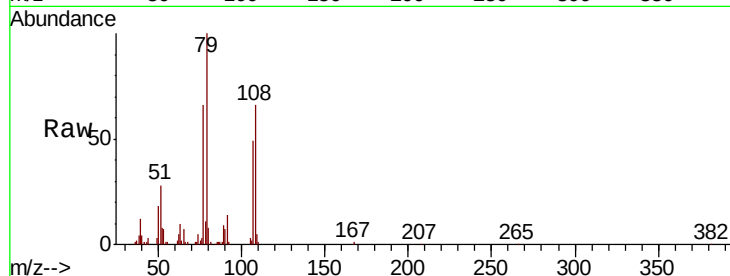




#15
Benzyl Alcohol
Concen: 20.269 ng
RT: 8.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BG040978.D
Acq: 31 May 2019 14:41

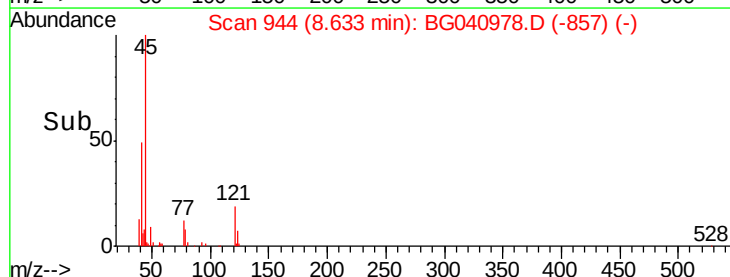
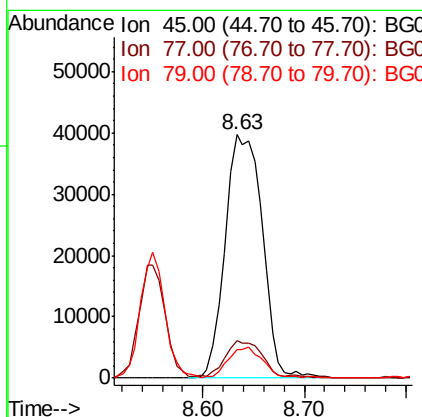
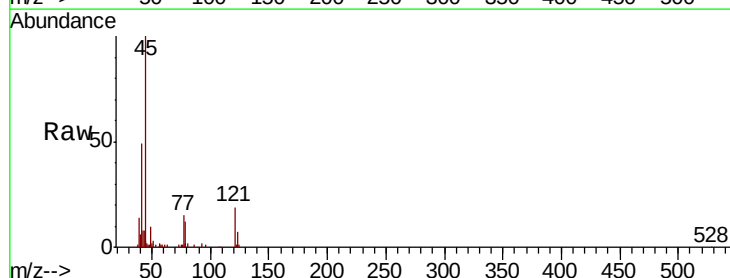
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

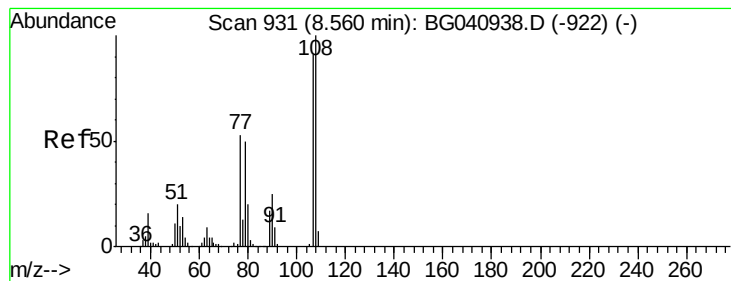
Tgt Ion: 79 Resp: 74112
Ion Ratio Lower Upper
79 100
108 65.9 48.3 72.5
77 66.4 52.3 78.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.031 ng
RT: 8.63 min Scan# 944
Delta R.T. -0.02 min
Lab File: BG040978.D
Acq: 31 May 2019 14:41

Tgt Ion: 45 Resp: 100636
Ion Ratio Lower Upper
45 100
77 15.2 0.0 33.7
79 11.8 0.0 30.2

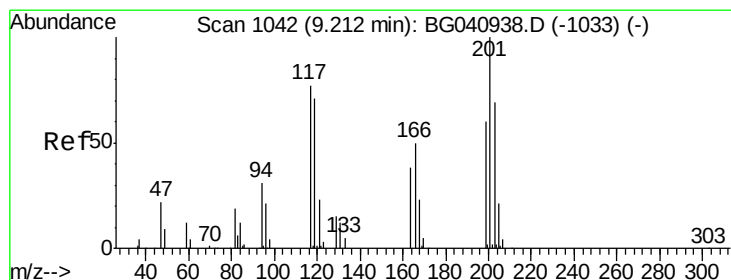
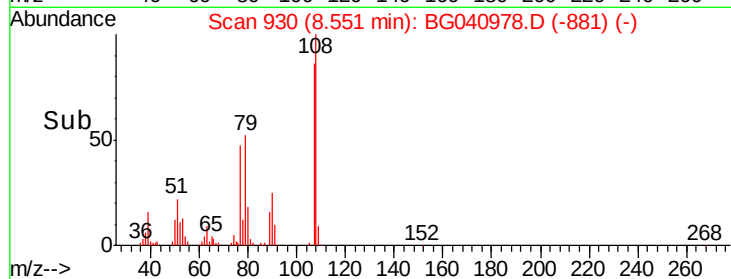
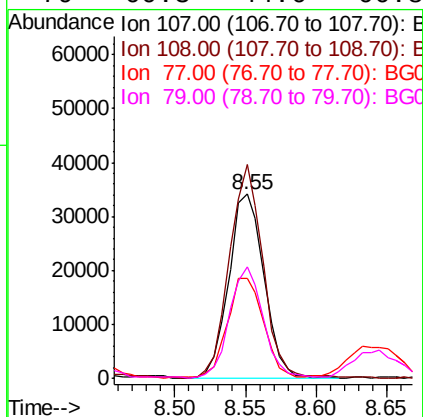
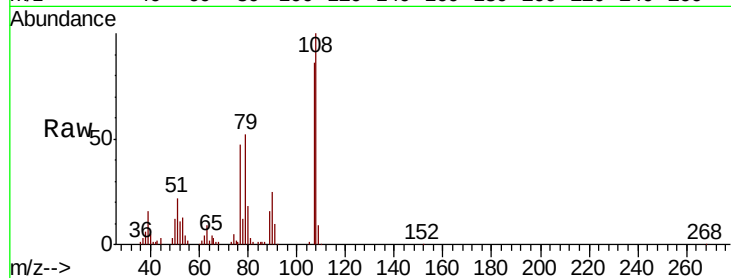




#17
 2-Methylphenol
 Concen: 19.380 ng
 RT: 8.55 min Scan# 930
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

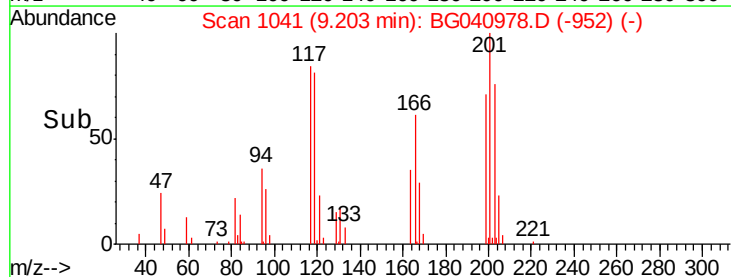
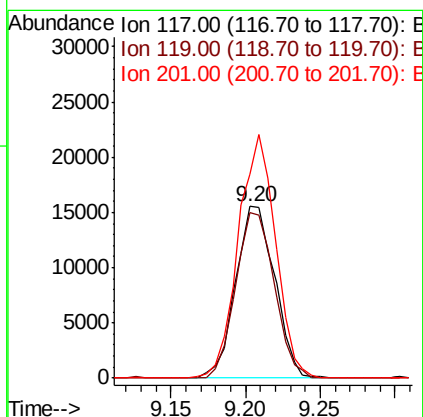
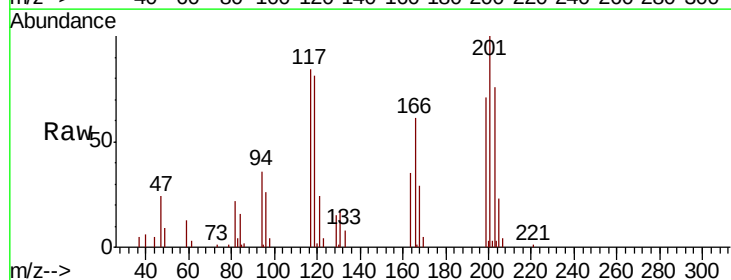
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

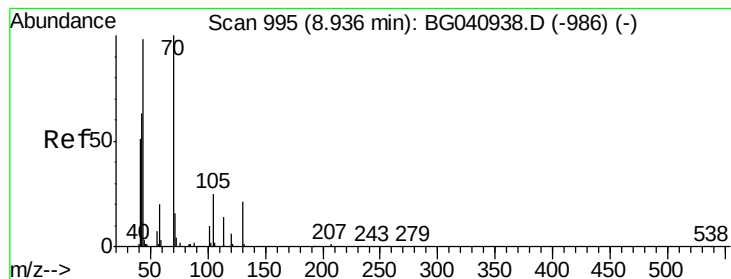
Tgt Ion:	107	Resp:	59470
Ion	Ratio	Lower	Upper
107	100		
108	116.2	87.7	131.5
77	54.1	46.6	70.0
79	60.3	44.6	66.8



#18
 Hexachloroethane
 Concen: 19.947 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

Tgt Ion:	117	Resp:	28359
Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.0	112.6
201	122.7	103.5	155.3





#19

n-Nitroso-di-n-propylamine

Concen: 20.606 ng

RT: 8.92 min Scan# 993

Delta R.T. -0.02 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tgt Ion: 70 Resp: 62681

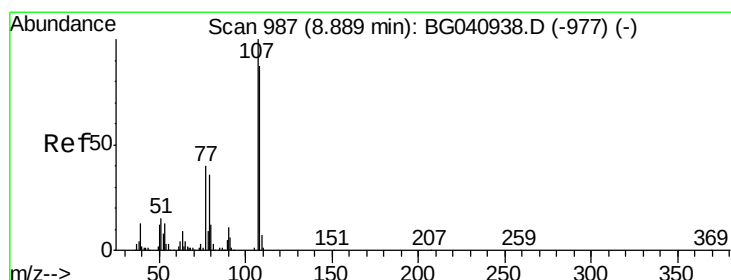
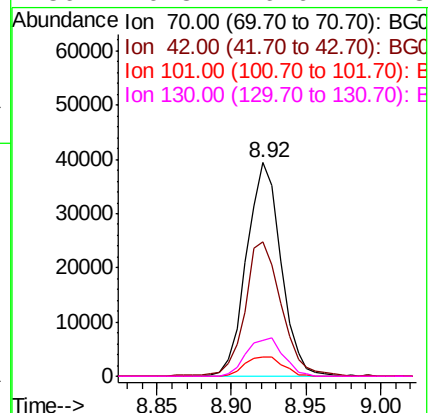
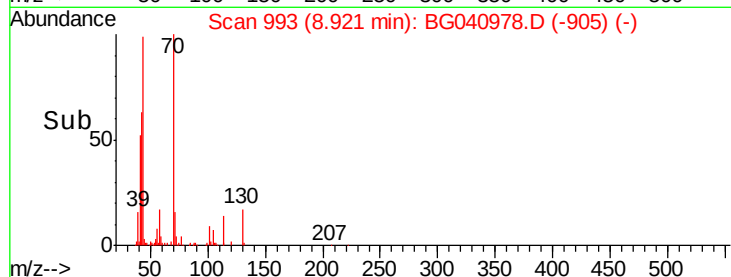
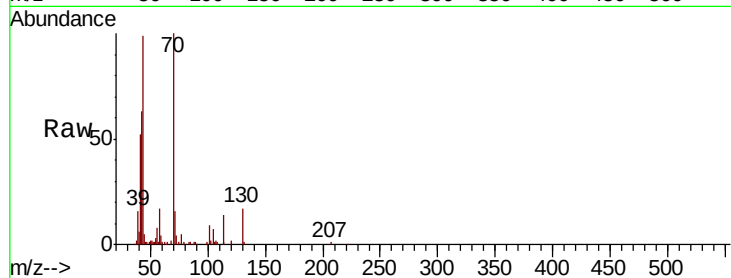
Ion Ratio Lower Upper

70 100

42 62.7 51.5 77.3

101 8.9 8.1 12.1

130 16.8 16.6 24.8



#20

3+4-Methylphenols

Concen: 18.456 ng

RT: 8.88 min Scan# 986

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Tgt Ion: 107 Resp: 78448

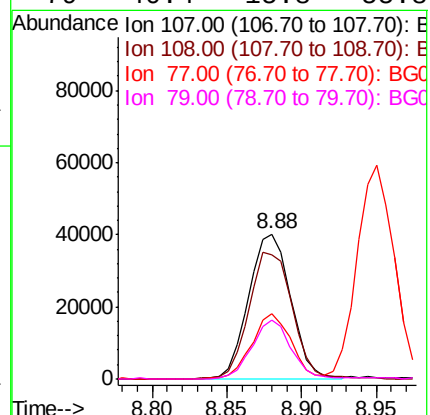
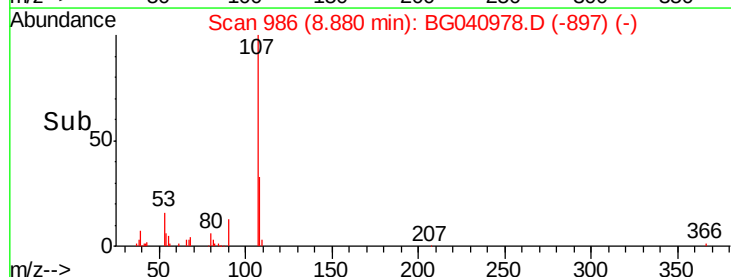
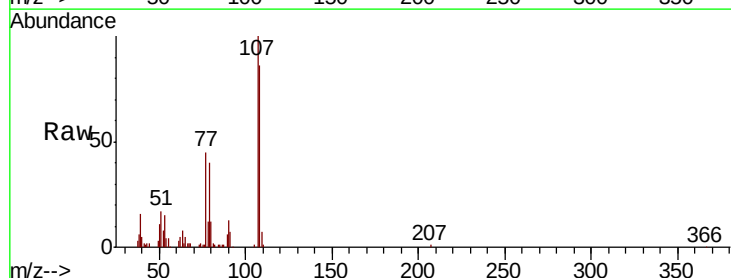
Ion Ratio Lower Upper

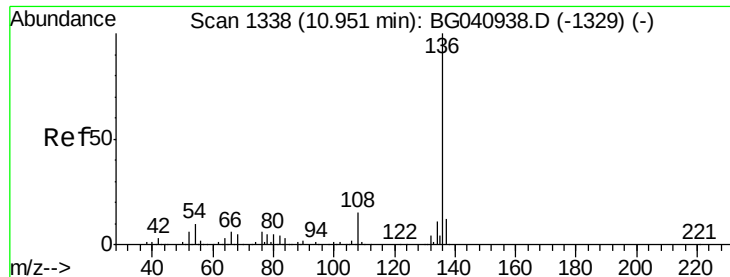
107 100

108 85.6 66.8 106.8

77 44.7 20.5 60.5

79 40.4 15.8 55.8

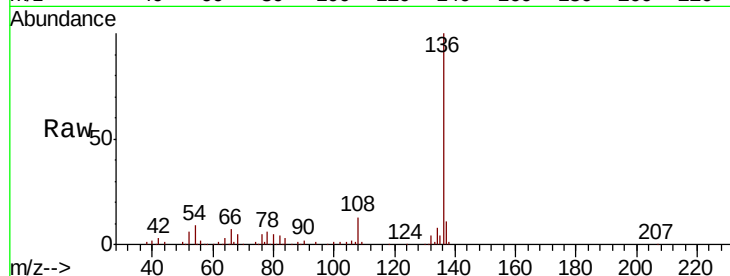




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040978.D
Acq: 31 May 2019 14:41

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:	136	Resp:	183773
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	9.2	7.6	11.4
68	4.6	3.9	5.9



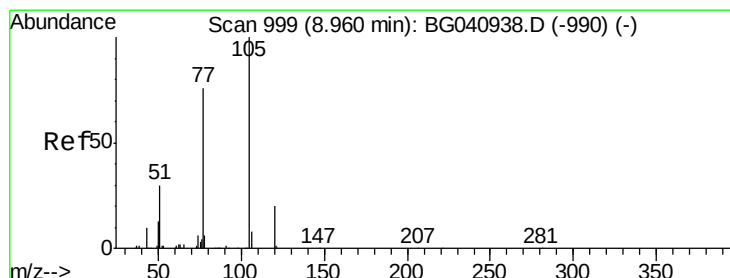
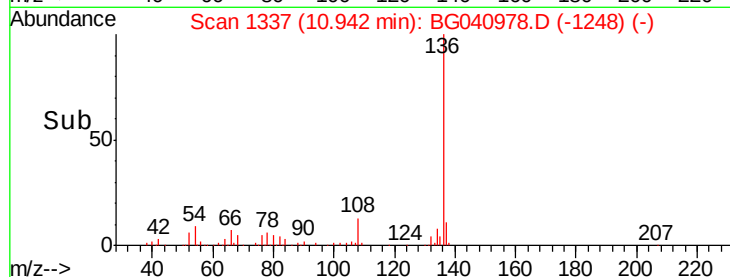
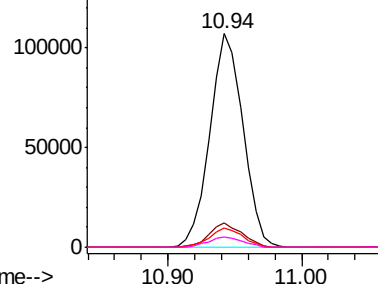
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

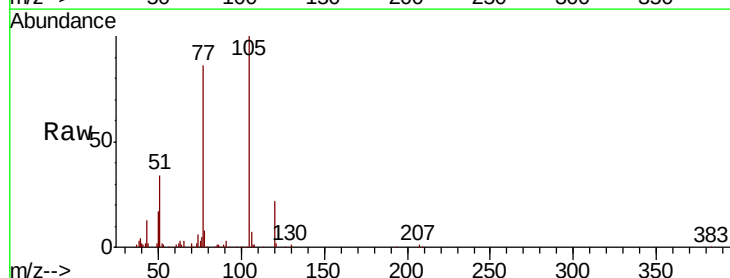
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 23.457 ng
RT: 8.95 min Scan# 998
Delta R.T. -0.01 min
Lab File: BG040978.D
Acq: 31 May 2019 14:41

Tgt Ion:	105	Resp:	120924
Ion	Ratio	Lower	Upper
105	100		
71	0.5	0.4	0.6
51	34.4	27.0	40.6
120	22.1	16.2	24.4



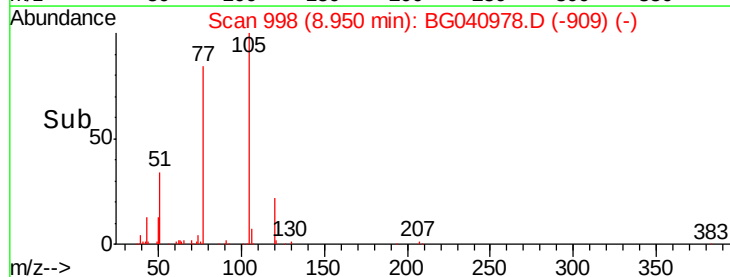
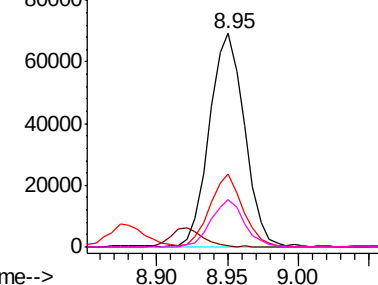
Abundance

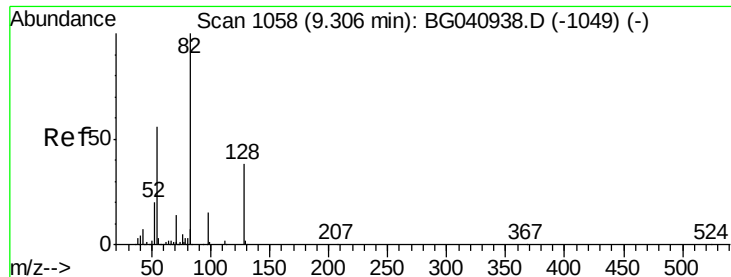
Ion 105.00 (104.70 to 105.70): E

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

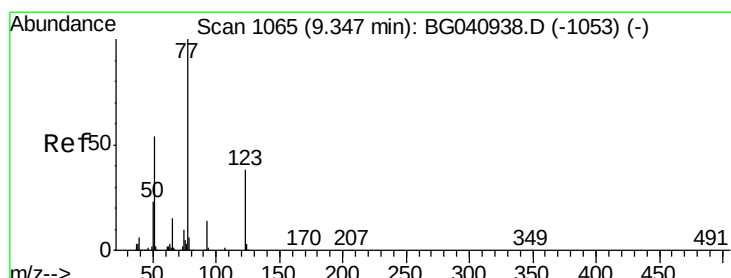
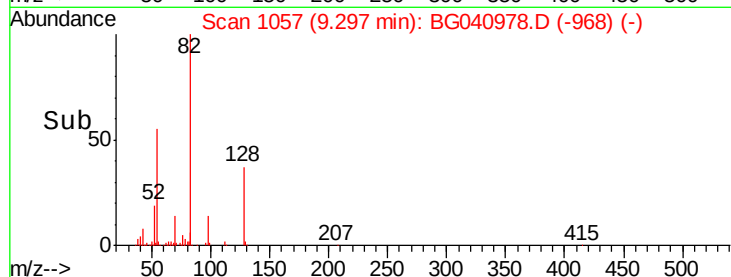
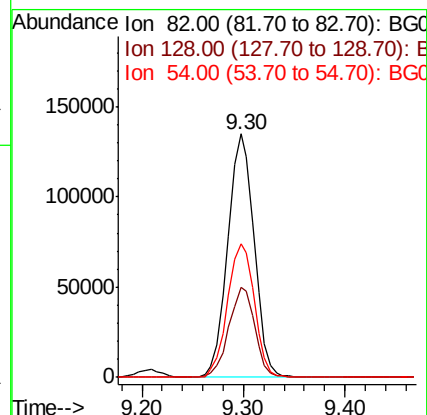
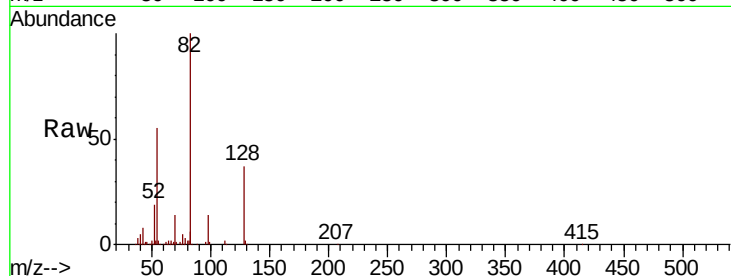




#23
 Nitrobenzene-d5
 Concen: 58.699 ng
 RT: 9.30 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

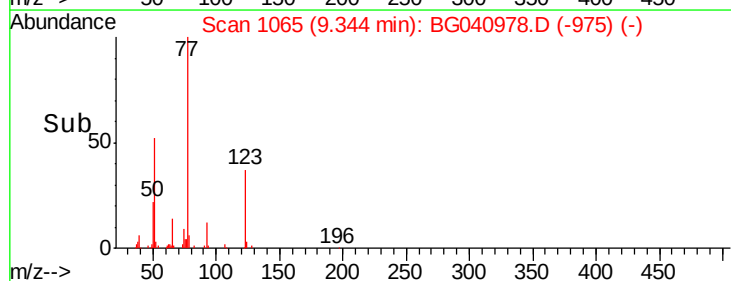
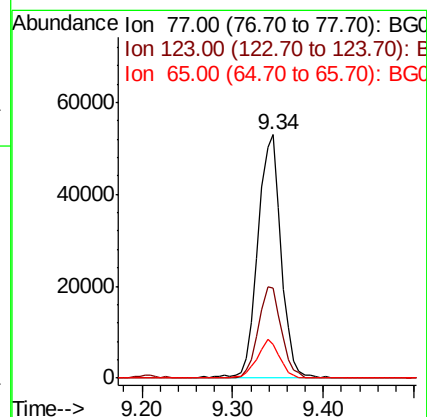
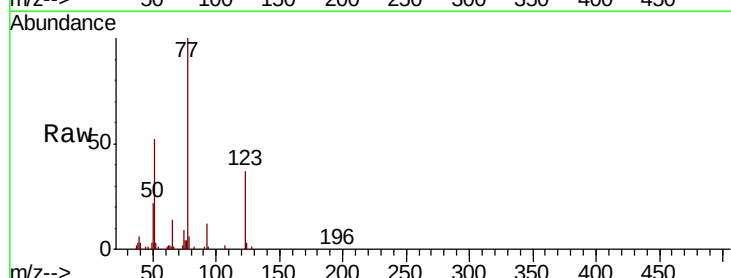
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

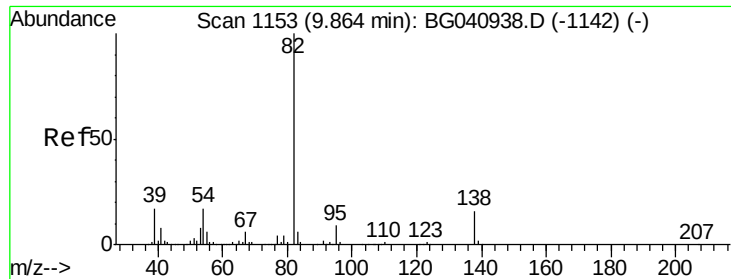
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.2	30.5	45.7
54	54.7	44.6	66.8



#24
 Nitrobenzene
 Concen: 22.250 ng
 RT: 9.34 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.2	30.6	46.0
65	13.9	12.3	18.5





#25

Isophorone

Concen: 22.027 ng

RT: 9.86 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

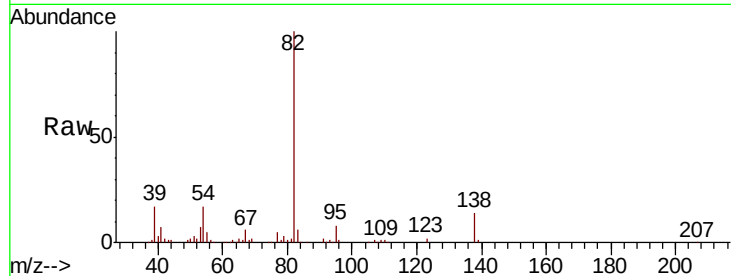
Tgt Ion: 82 Resp: 173529

Ion Ratio Lower Upper

82 100

95 8.0 7.0 10.4

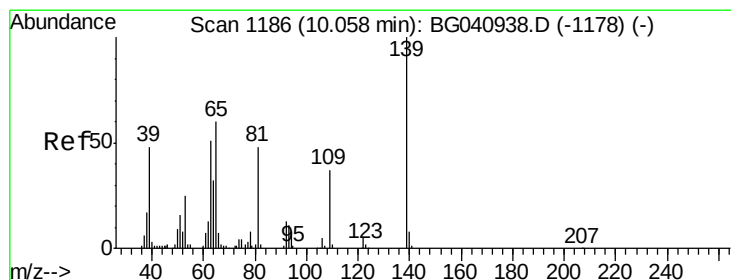
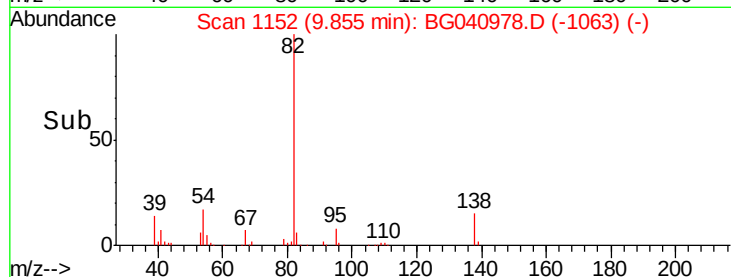
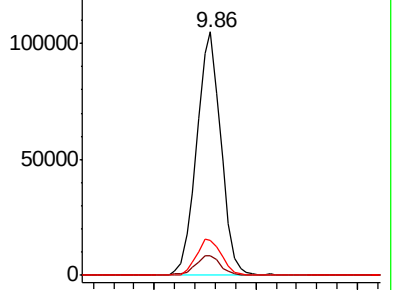
138 14.3 12.6 19.0



Abundance Ion 82.00 (81.70 to 82.70): BG040938.D (-1142) (-)

Ion 95.00 (94.70 to 95.70): BG040938.D (-1142) (-)

Ion 138.00 (137.70 to 138.70): BG040938.D (-1142) (-)



#26

2-Nitrophenol

Concen: 22.039 ng

RT: 10.06 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

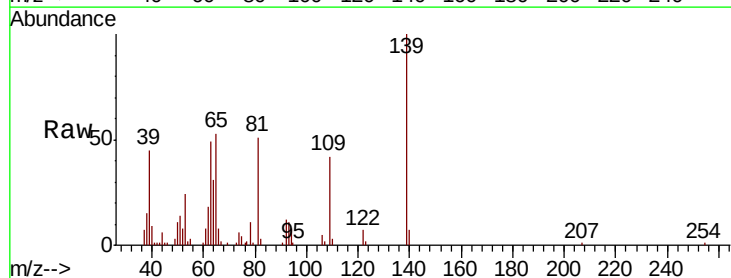
Tgt Ion: 139 Resp: 38328

Ion Ratio Lower Upper

139 100

109 41.8 29.8 44.6

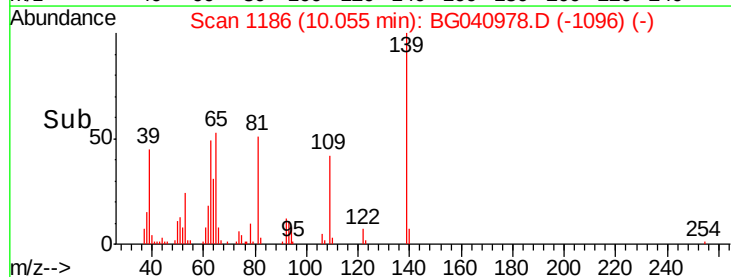
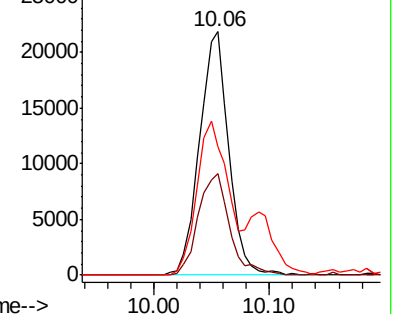
65 52.9 47.8 71.6

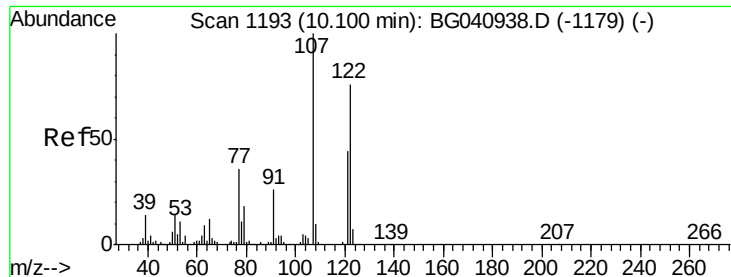


Abundance Ion 139.00 (138.70 to 139.70): BG040938.D (-1178) (-)

Ion 109.00 (108.70 to 109.70): BG040938.D (-1178) (-)

Ion 65.00 (64.70 to 65.70): BG040938.D (-1178) (-)





#27

2,4-Dimethylphenol

Concen: 22.746 ng

RT: 10.09 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

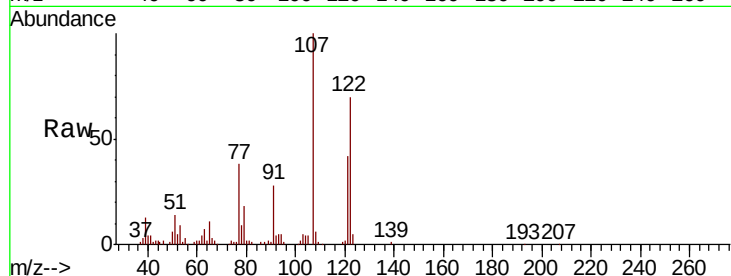
Tgt Ion:122 Resp: 65333

Ion Ratio Lower Upper

122 100

107 143.8 105.9 158.9

121 60.7 46.2 69.4

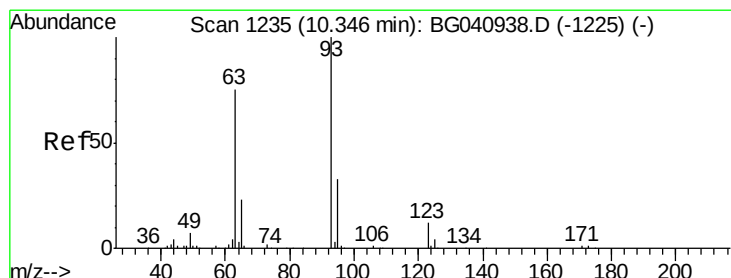
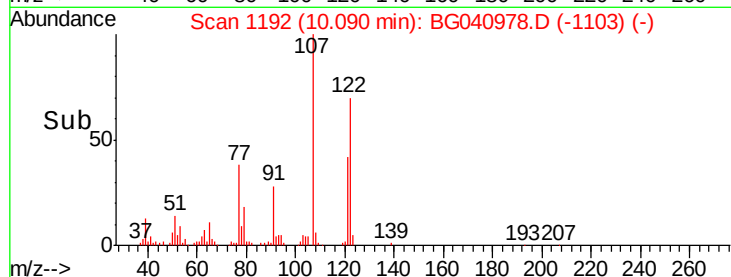
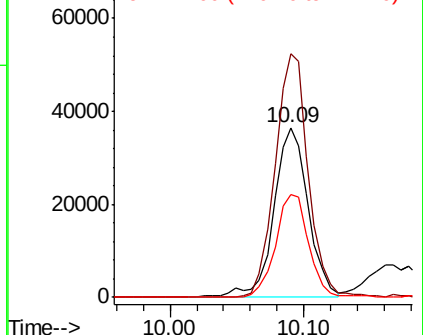


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 21.193 ng

RT: 10.34 min Scan# 1234

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

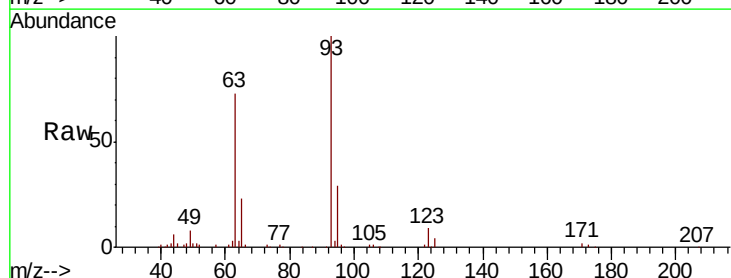
Tgt Ion: 93 Resp: 90113

Ion Ratio Lower Upper

93 100

95 29.0 26.2 39.2

123 9.4 9.5 14.3#

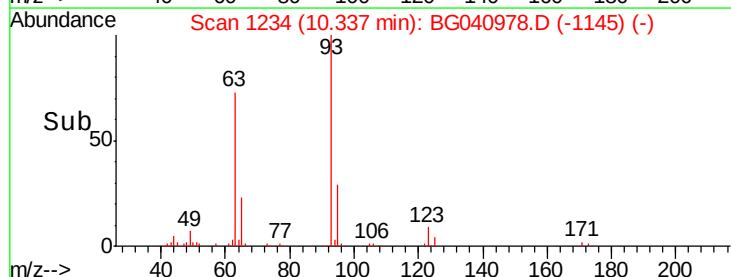
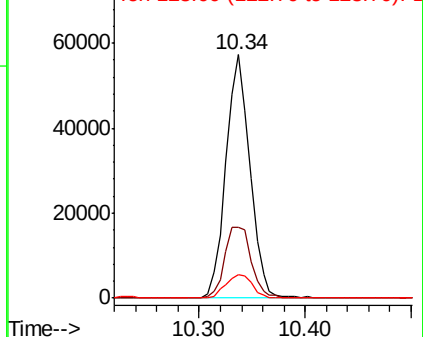


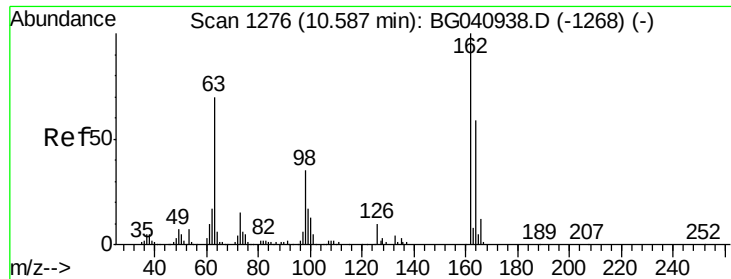
Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

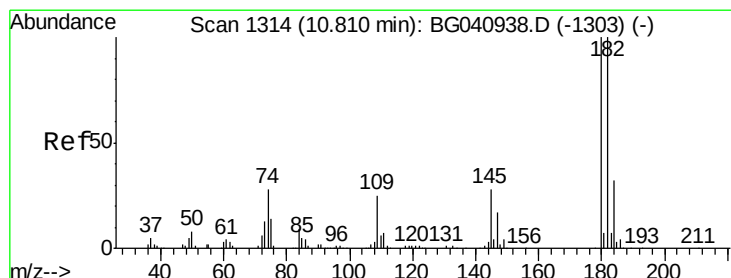
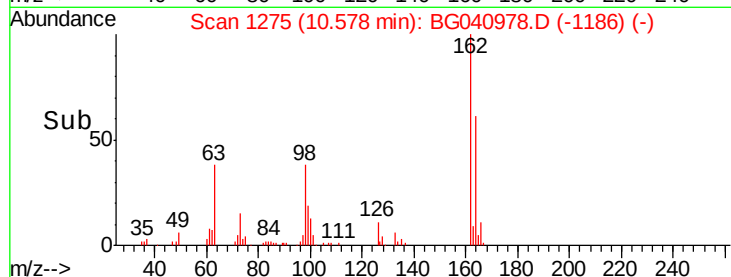
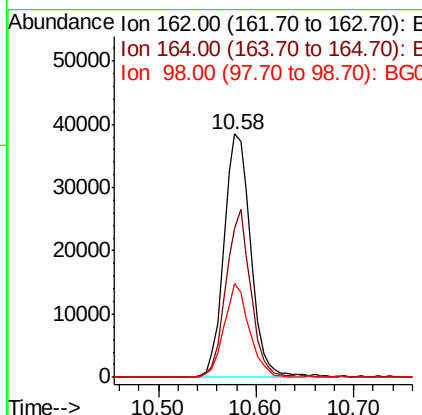
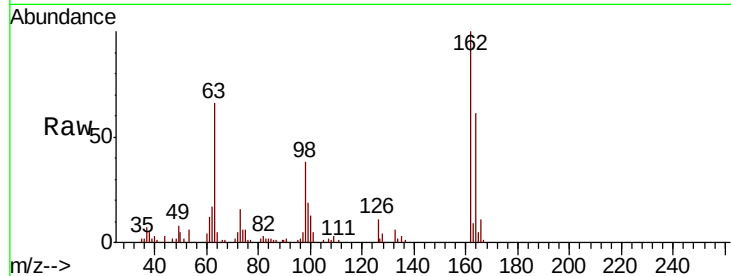




#29
 2,4-Dichlorophenol
 Concen: 20.080 ng
 RT: 10.58 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

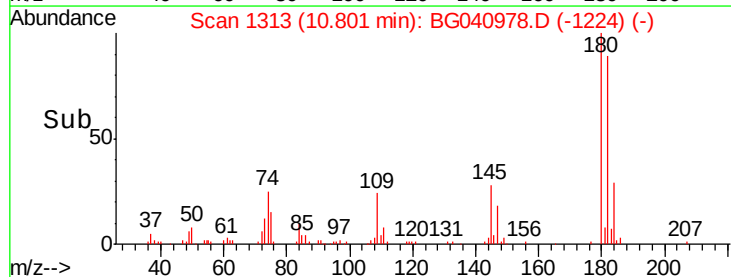
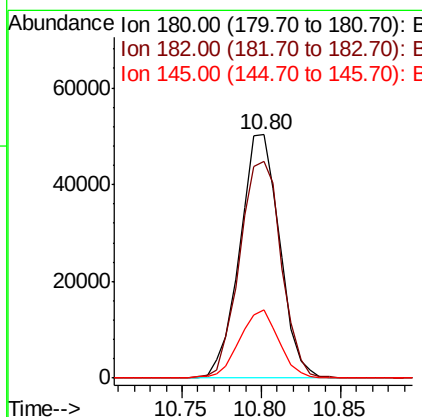
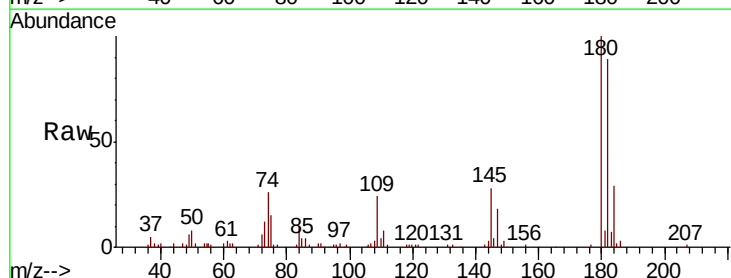
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

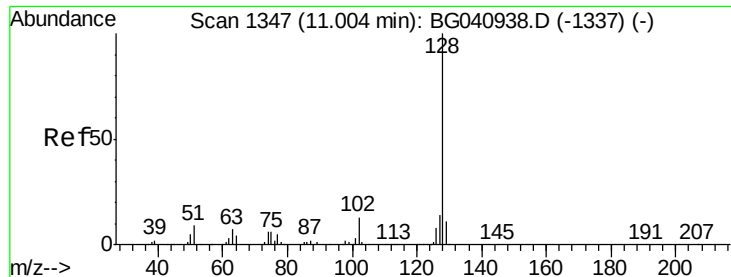
Tgt Ion	Ratio	Lower	Upper
162	100		
164	61.0	39.4	79.4
98	38.3	15.3	55.3



#30
 1,2,4-Trichlorobenzene
 Concen: 21.172 ng
 RT: 10.80 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.1	79.7	119.5
145	27.8	22.6	34.0

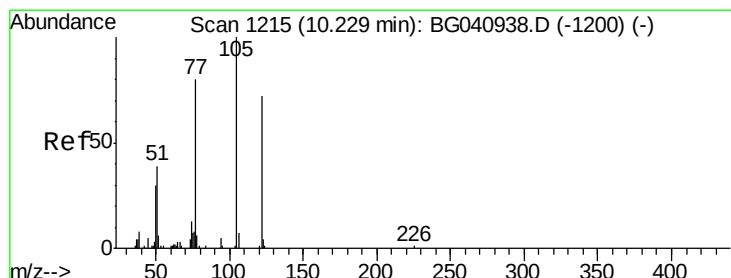
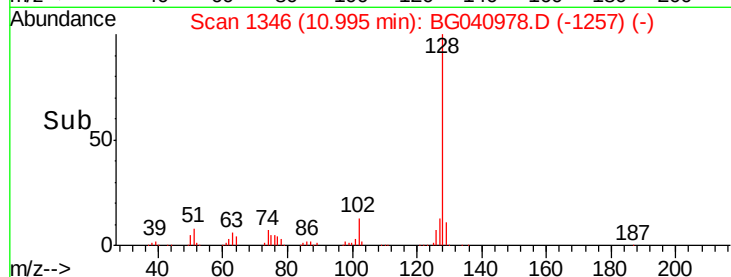
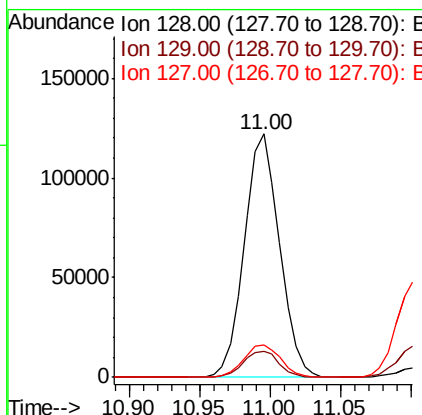
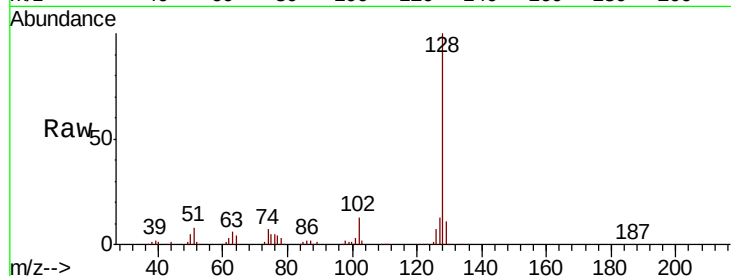




#31
Naphthalene
Concen: 21.601 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG040978.D
Acq: 31 May 2019 14:41

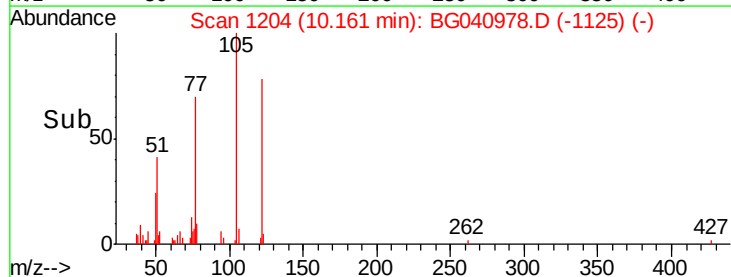
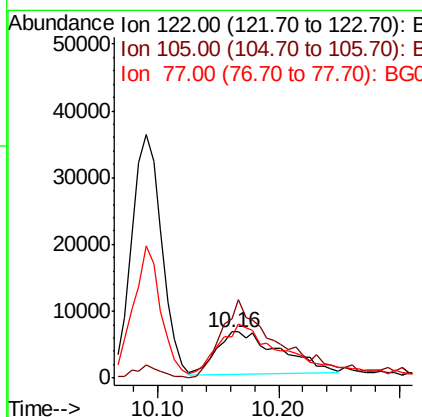
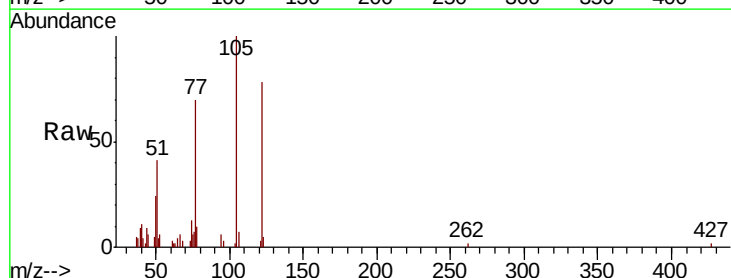
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

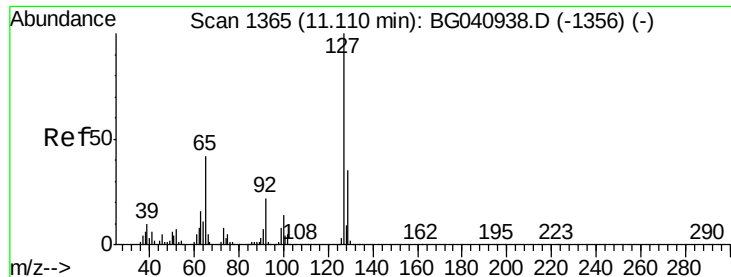
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.5	12.7
127	13.1	11.4	17.2



#32
Benzoic acid
Concen: 16.685 ng
RT: 10.16 min Scan# 1204
Delta R.T. -0.07 min
Lab File: BG040978.D
Acq: 31 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
122	100		
105	127.8	114.8	154.8
77	89.1	89.9	129.9#

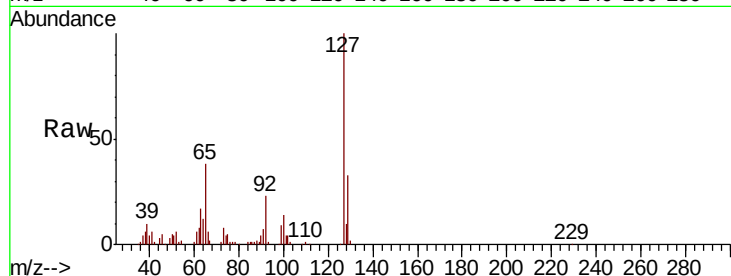




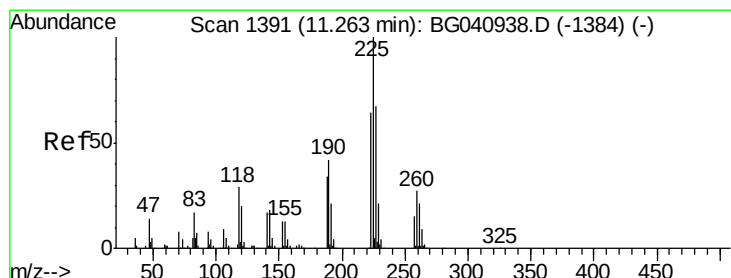
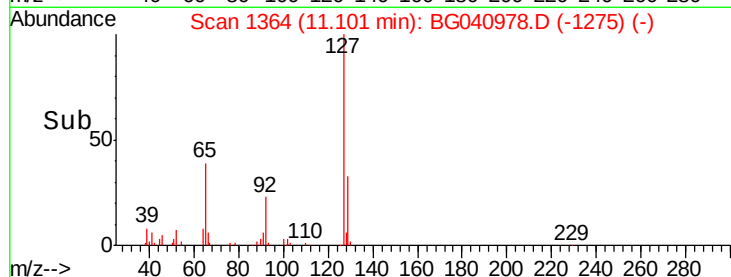
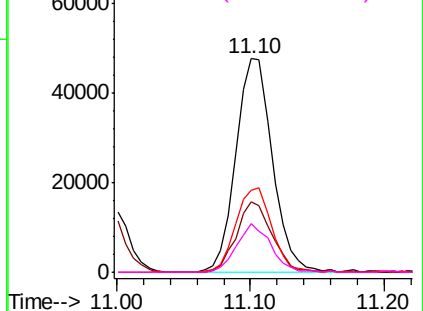
#33
 4-Chloroaniline
 Concen: 19.771 ng
 RT: 11.10 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tgt Ion:	127	Resp:	90514
Ion	Ratio	Lower	Upper
127	100		
129	32.8	27.7	41.5
65	38.3	33.2	49.8
92	22.8	17.2	25.8

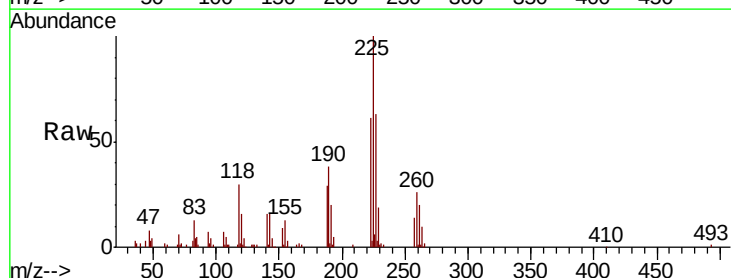


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BG
 Ion 92.00 (91.70 to 92.70): BG

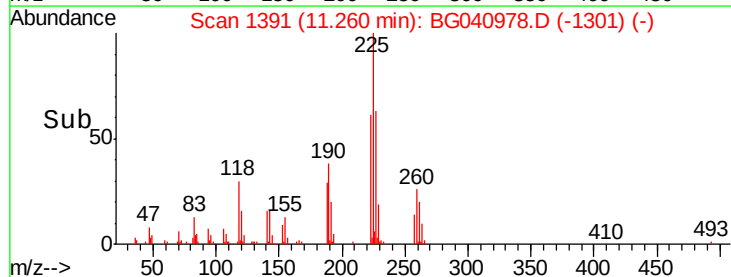
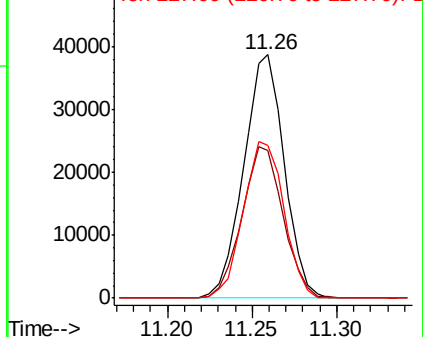


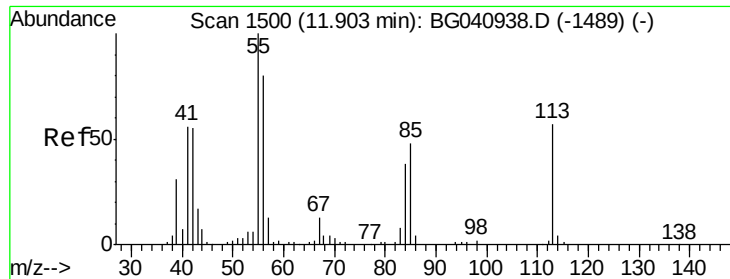
#34
 Hexachlorobutadiene
 Concen: 20.331 ng
 RT: 11.26 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

Tgt Ion:	225	Resp:	64547
Ion	Ratio	Lower	Upper
225	100		
223	60.7	48.8	73.2
227	62.9	51.4	77.0



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: 20.160 ng

RT: 11.87 min Scan# 1495

Delta R.T. -0.03 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

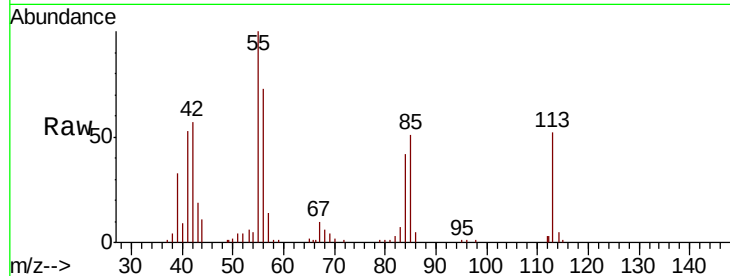
Tgt Ion:113 Resp: 24282

Ion Ratio Lower Upper

113 100

55 191.7 155.9 195.9

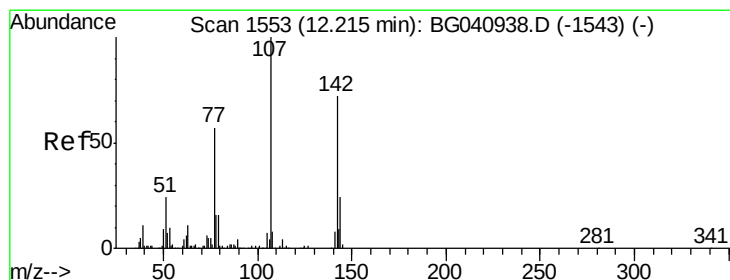
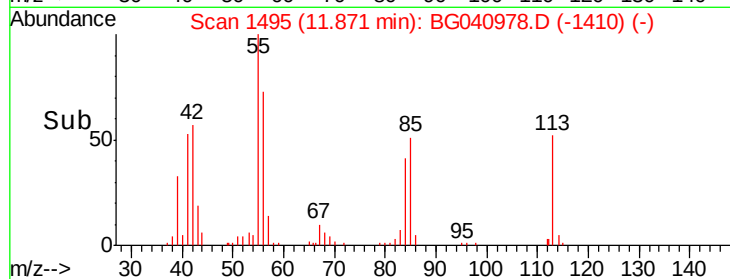
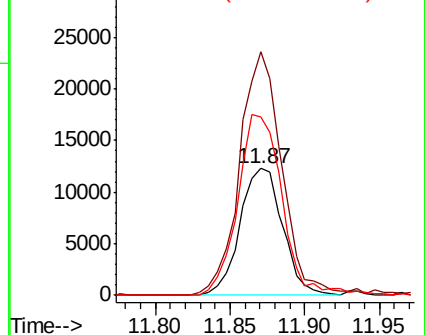
56 140.0 119.9 159.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 20.464 ng

RT: 12.20 min Scan# 1551

Delta R.T. -0.02 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

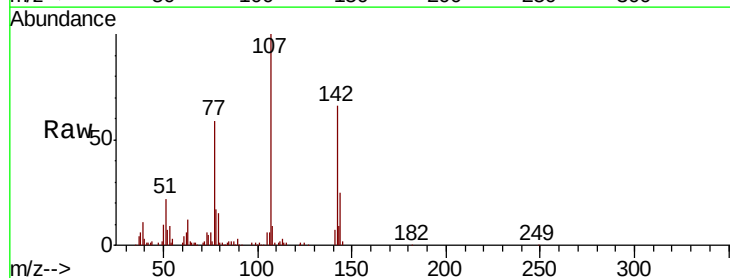
Tgt Ion:107 Resp: 85246

Ion Ratio Lower Upper

107 100

144 24.6 19.4 29.0

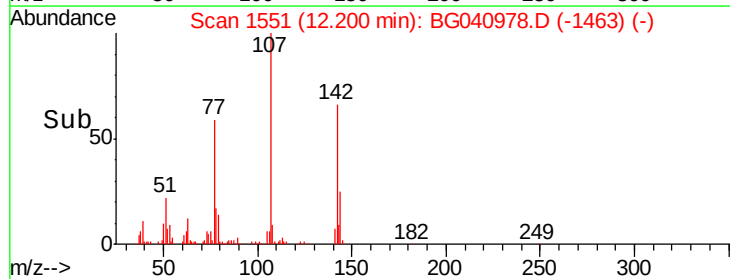
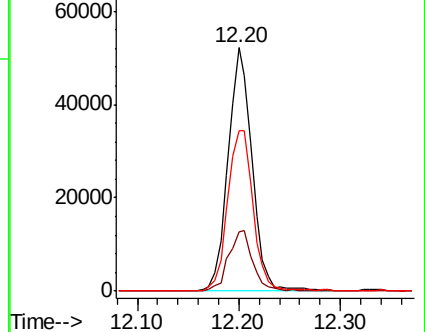
142 65.8 57.3 85.9

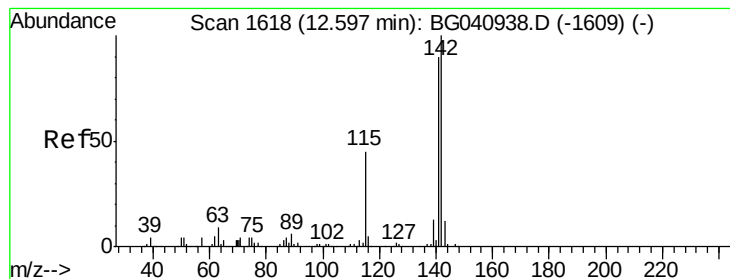


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 21.137 ng

RT: 12.59 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

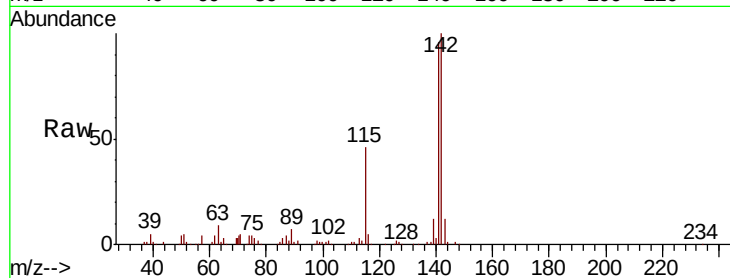
Tgt Ion:142 Resp: 160627

Ion Ratio Lower Upper

142 100

141 96.1 72.2 108.4

115 45.8 36.2 54.4

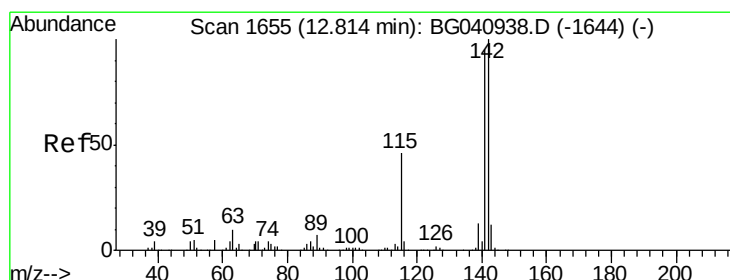
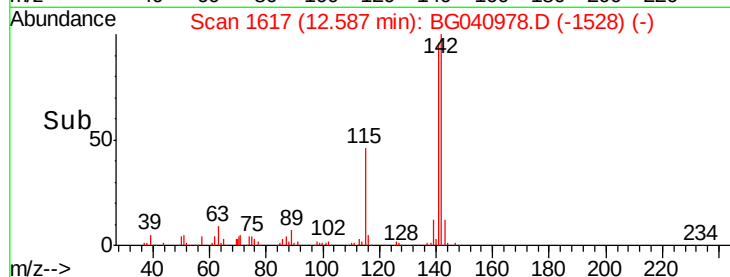
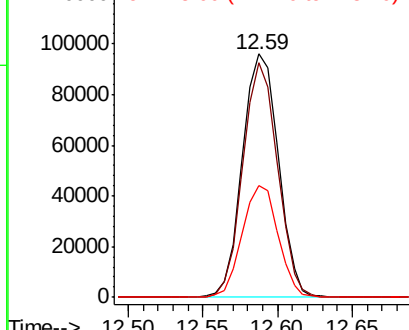


Abundance

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

1-Methylnaphthalene

Concen: 21.236 ng

RT: 12.80 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

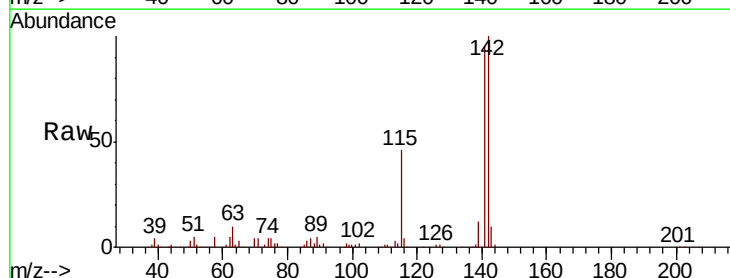
Tgt Ion:142 Resp: 152076

Ion Ratio Lower Upper

142 100

141 95.4 75.7 113.5

116 4.4 3.4 5.2

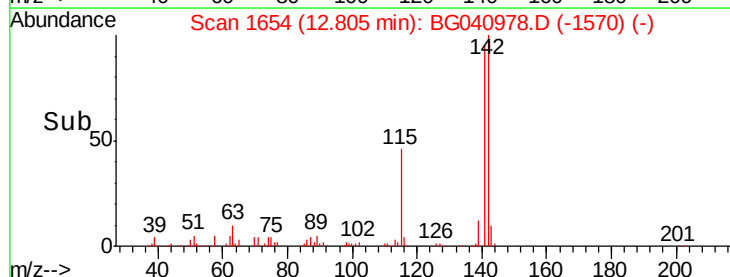
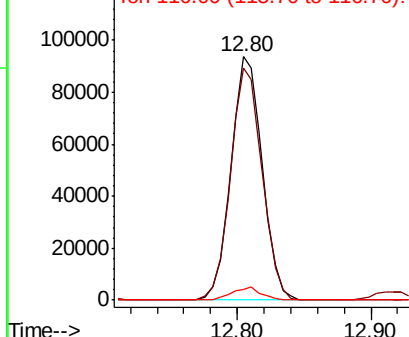


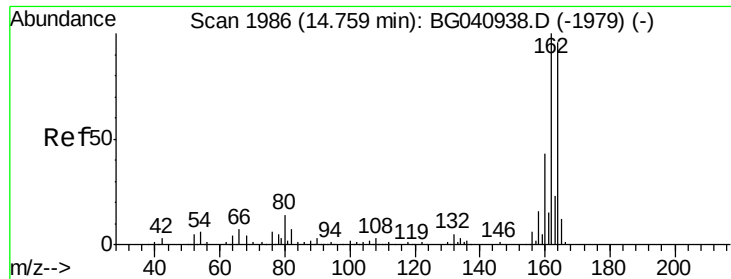
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

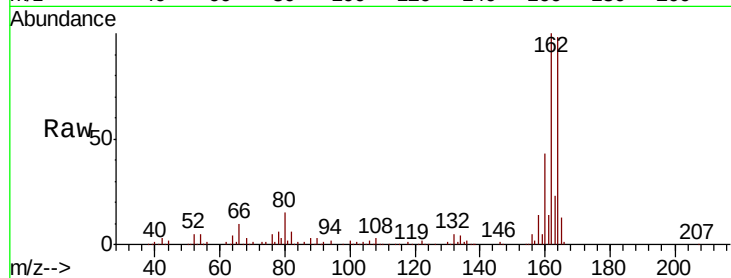
Tgt Ion:164 Resp: 131101

Ion Ratio Lower Upper

164 100

162 102.3 83.0 124.4

160 44.5 35.6 53.4

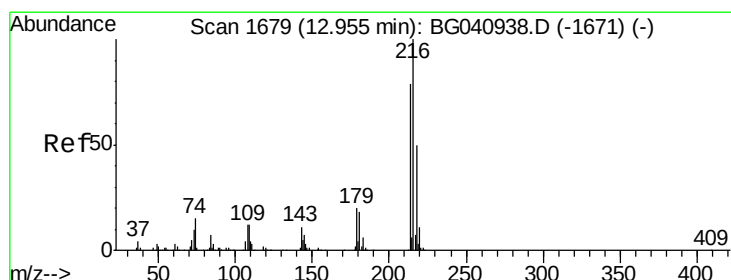
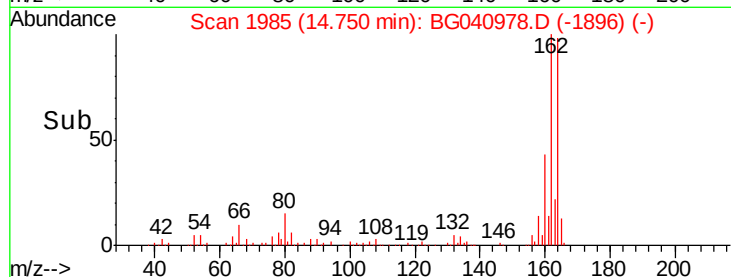
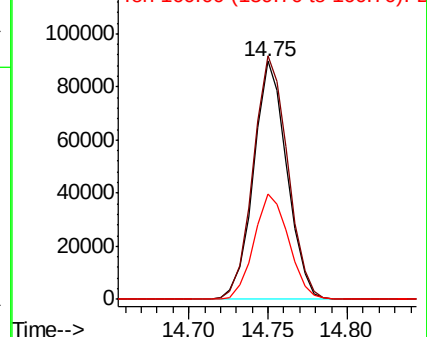


Abundance

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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 23.378 ng

RT: 12.95 min Scan# 1678

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Tgt Ion:216 Resp: 123533

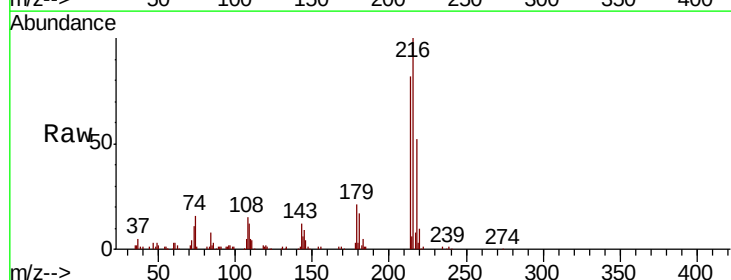
Ion Ratio Lower Upper

216 100

214 79.5 63.4 95.2

179 19.3 15.2 22.8

108 15.7 11.4 17.2



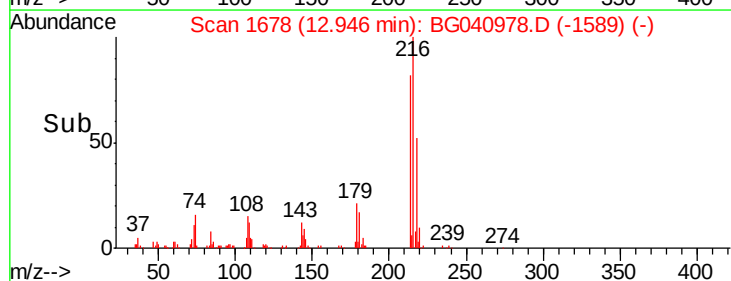
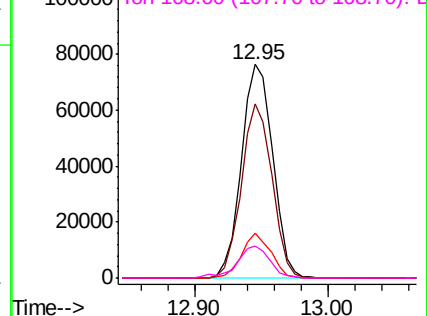
Abundance

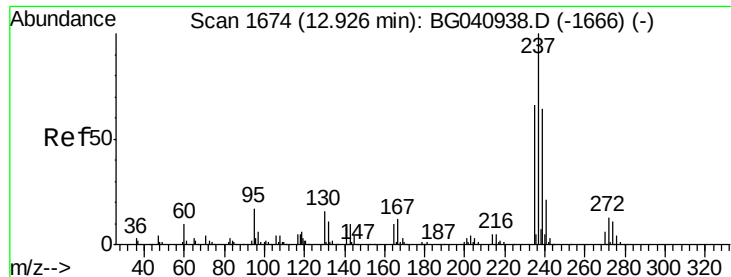
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 27.687 ng

RT: 12.92 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

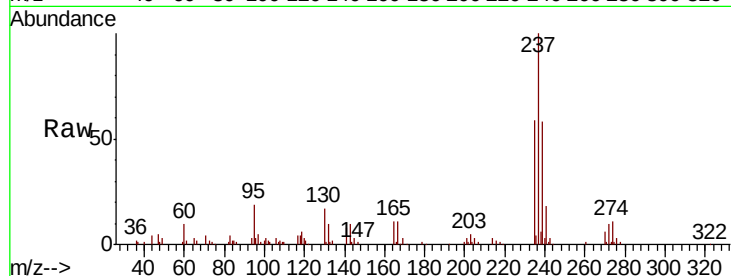
Tgt Ion: 237 Resp: 61593

Ion Ratio Lower Upper

237 100

235 59.2 45.5 85.5

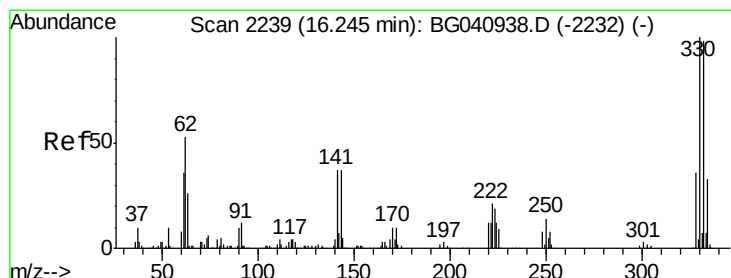
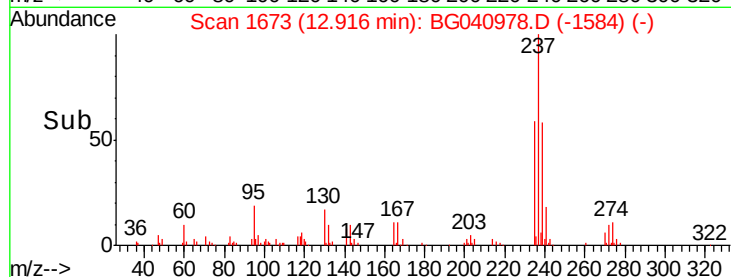
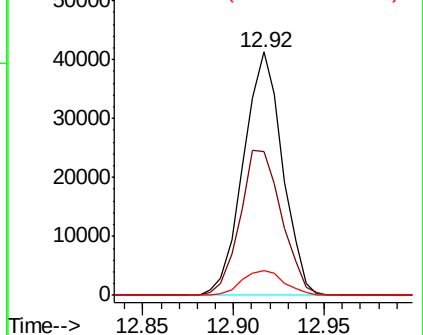
272 10.2 0.0 32.9



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 100.850 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

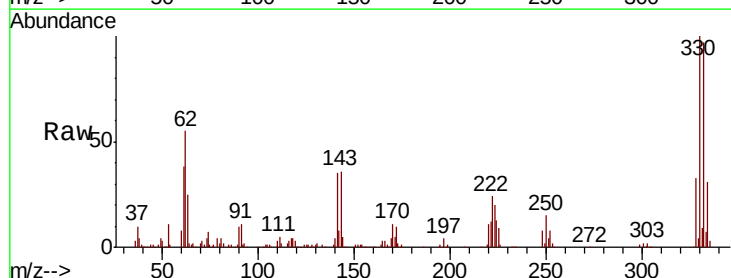
Tgt Ion: 330 Resp: 196282

Ion Ratio Lower Upper

330 100

332 94.4 78.5 117.7

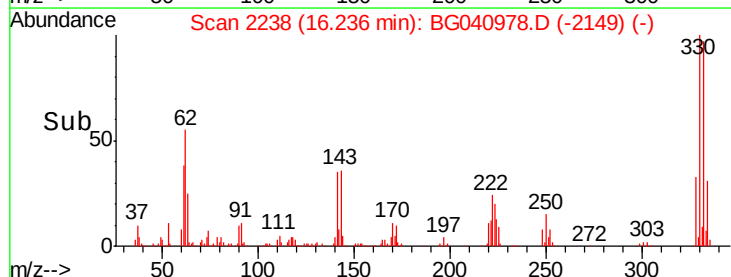
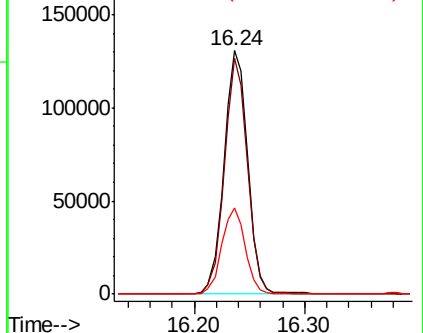
141 35.2 28.7 43.1

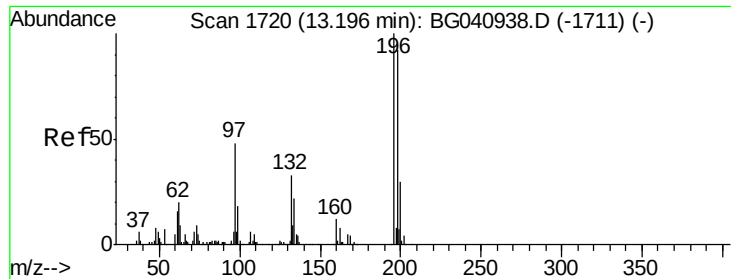


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

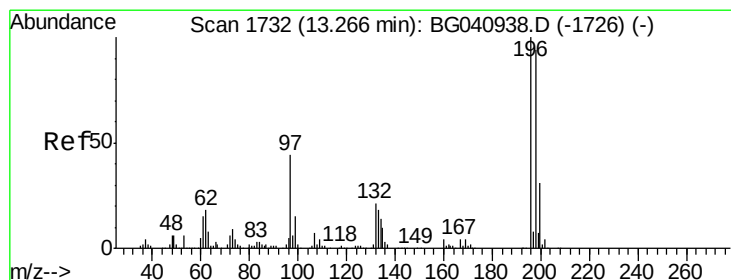
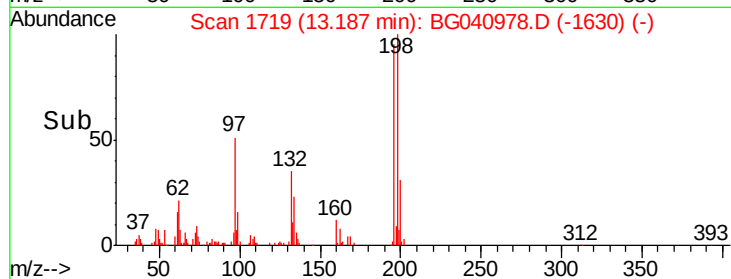
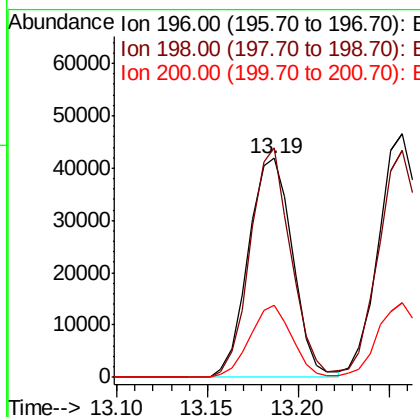
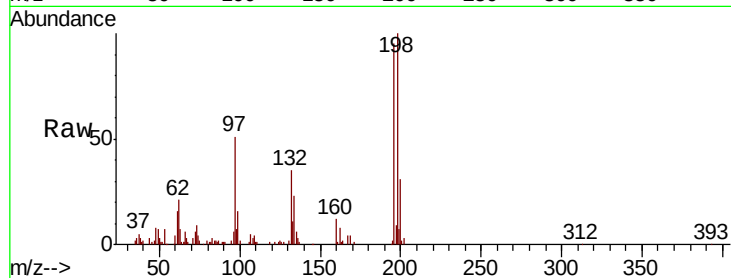




#43
 2,4,6-Trichlorophenol
 Concen: 20.747 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

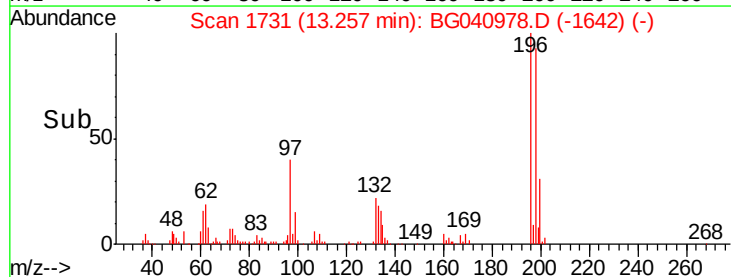
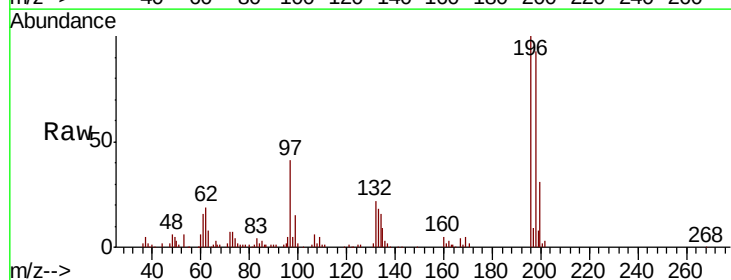
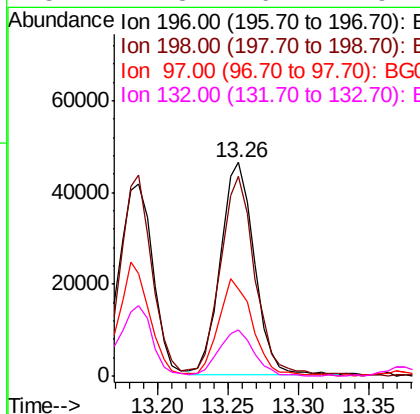
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

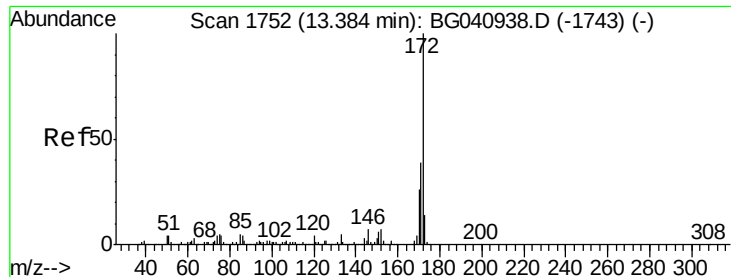
Tgt Ion	Ratio	Lower	Upper
196	100		
198	104.7	73.8	110.6
200	32.8	24.1	36.1



#44
 2,4,5-Trichlorophenol
 Concen: 21.435 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.3	75.1	112.7
97	40.5	35.6	53.4
132	21.8	16.7	25.1

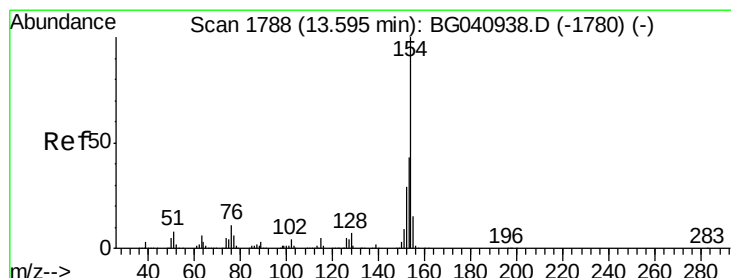
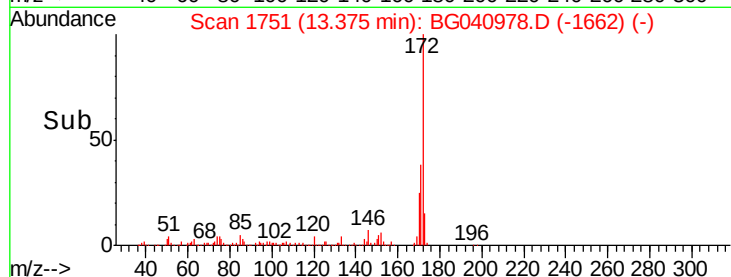
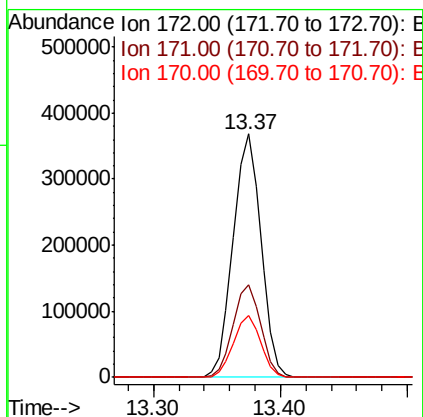
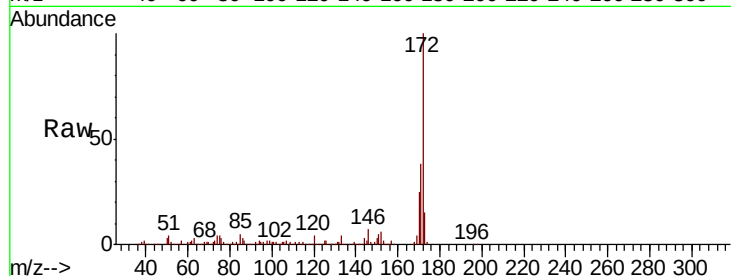




#45
2-Fluorobiphenyl
Concen: 61.458 ng
RT: 13.37 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG040978.D
Acq: 31 May 2019 14:41

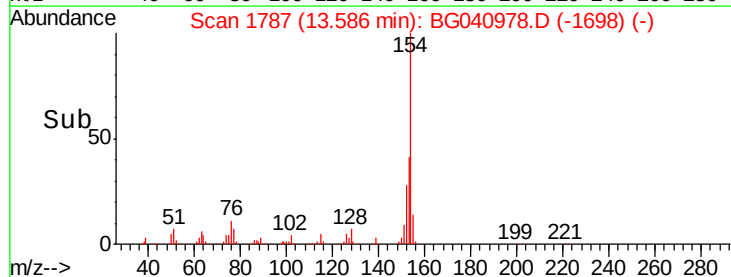
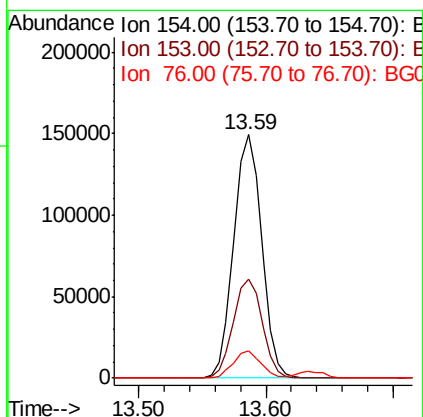
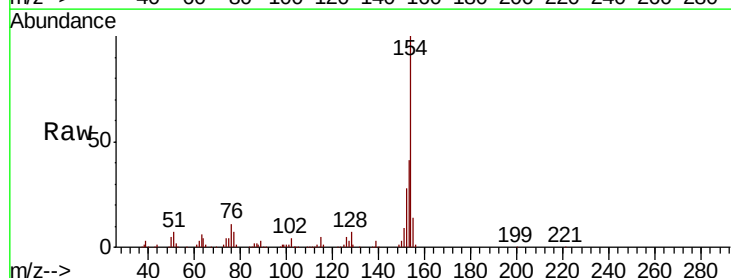
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

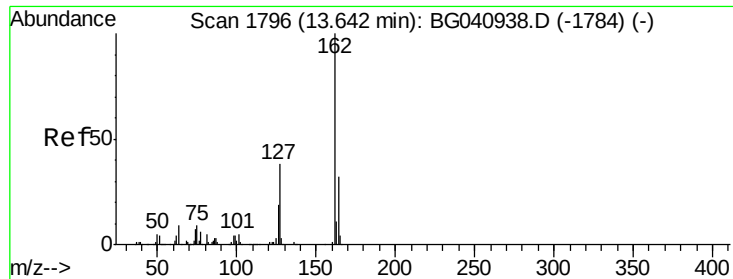
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.1	46.7
170	25.2	20.5	30.7



#46
1,1'-Biphenyl
Concen: 23.520 ng
RT: 13.59 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BG040978.D
Acq: 31 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	23.3	63.3
76	11.3	0.0	31.1

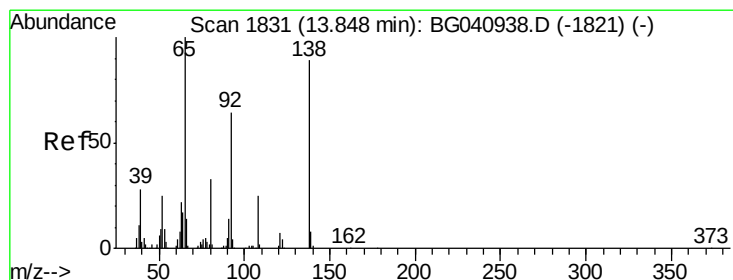
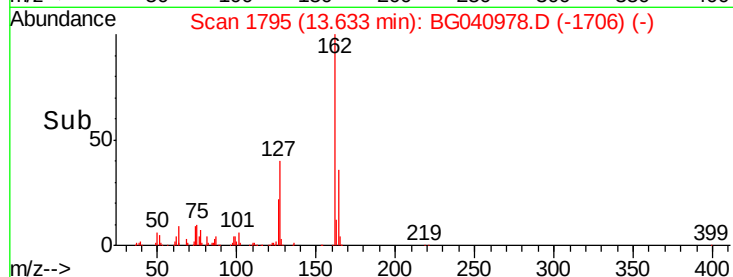
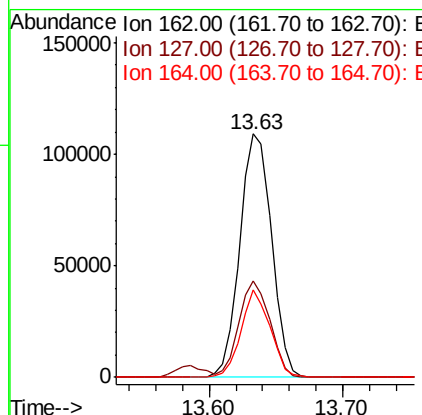
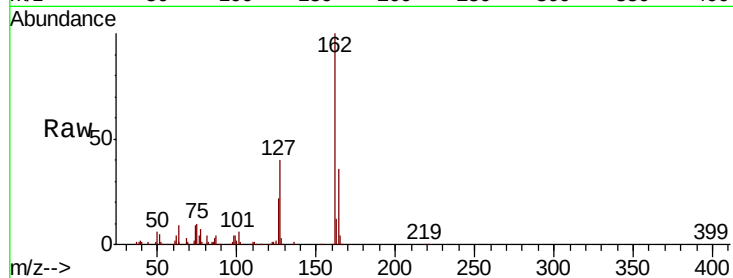




#47
 2-Chloronaphthalene
 Concen: 21.576 ng
 RT: 13.63 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

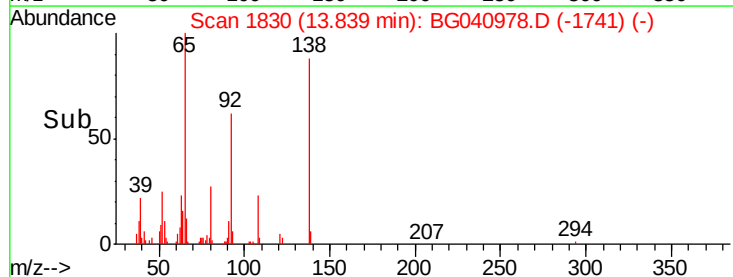
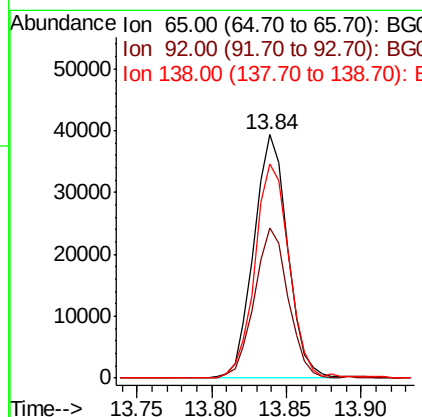
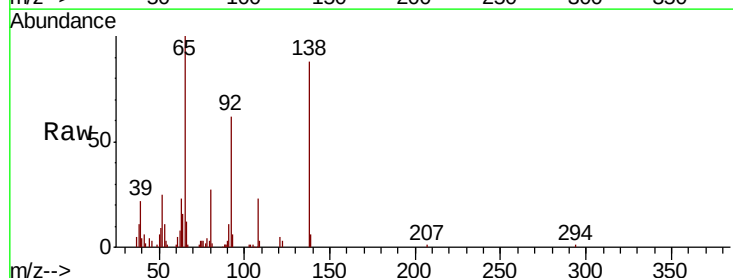
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

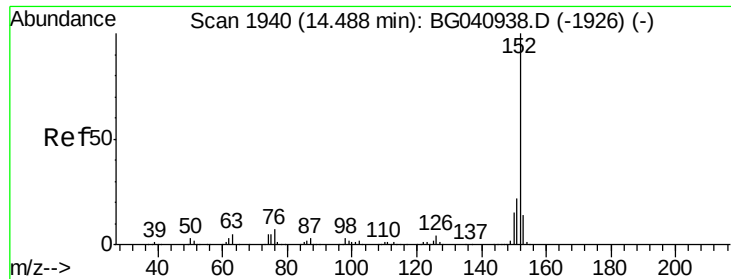
Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.8	30.5	45.7
164	36.1	25.8	38.6



#48
 2-Nitroaniline
 Concen: 20.600 ng
 RT: 13.84 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
65	100		
92	61.9	51.0	76.6
138	87.8	71.2	106.8





#49

Acenaphthylene

Concen: 22.878 ng

RT: 14.48 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

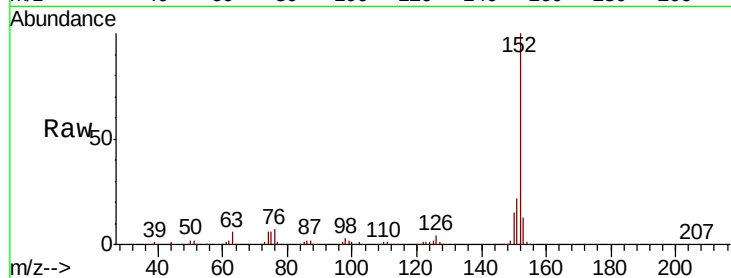
Tgt Ion:152 Resp: 286857

Ion Ratio Lower Upper

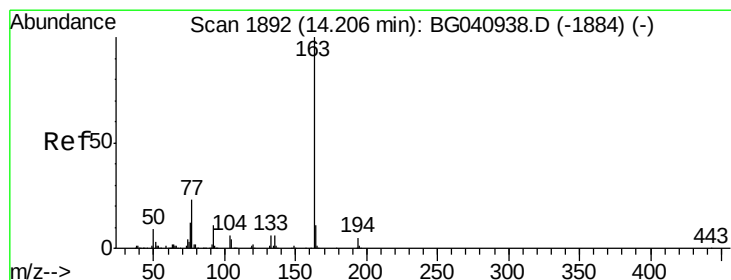
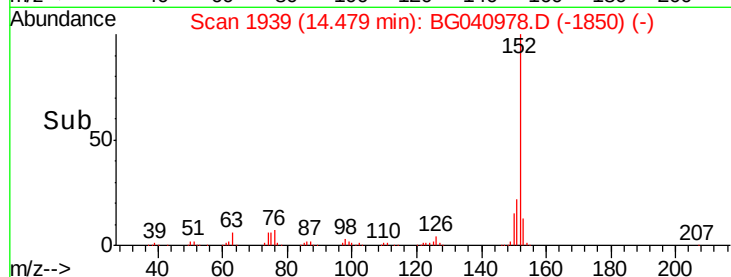
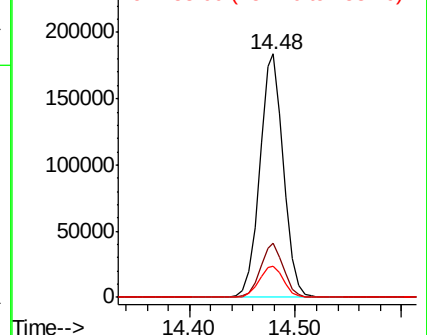
152 100

151 22.0 17.4 26.0

153 12.7 11.0 16.4



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



#50

Dimethylphthalate

Concen: 21.834 ng

RT: 14.20 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

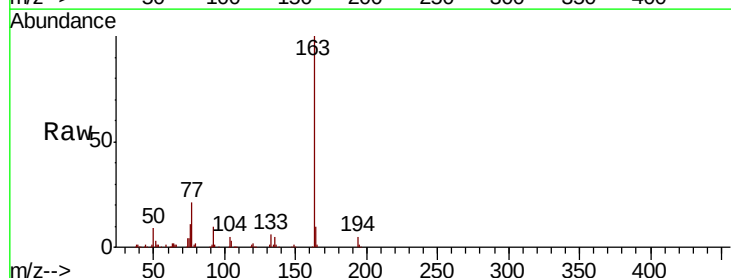
Tgt Ion:163 Resp: 242313

Ion Ratio Lower Upper

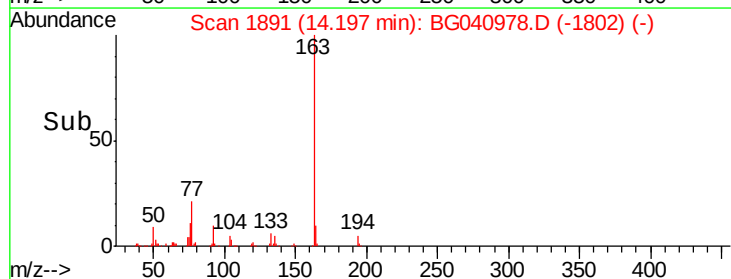
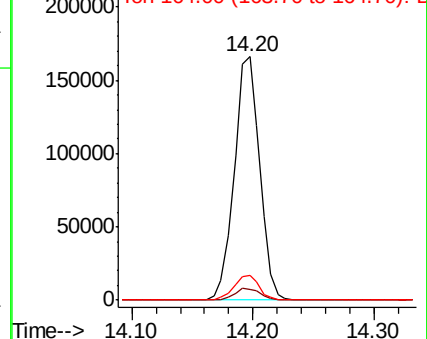
163 100

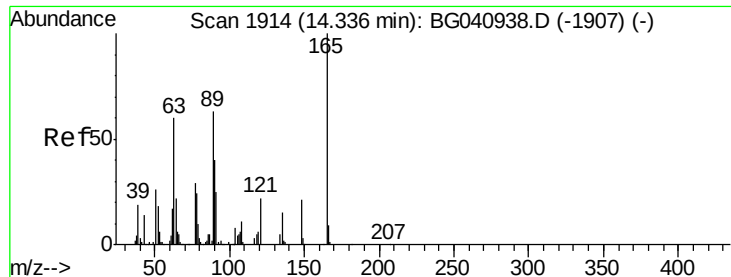
194 4.6 3.8 5.8

164 9.9 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

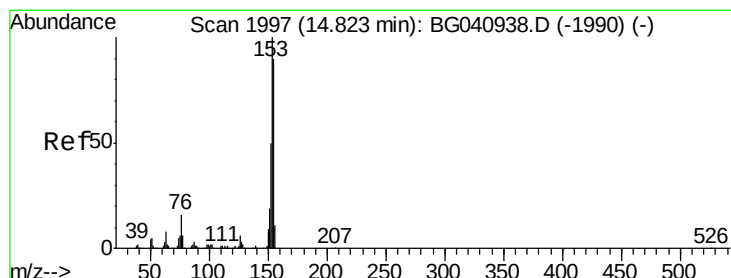
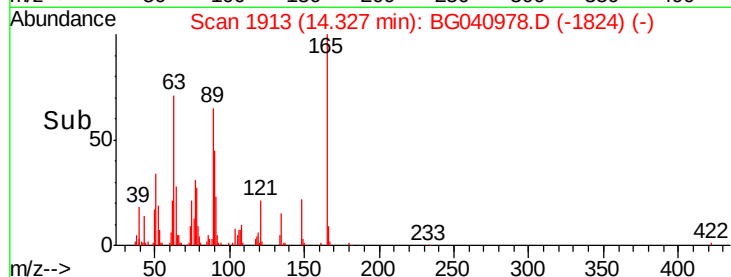
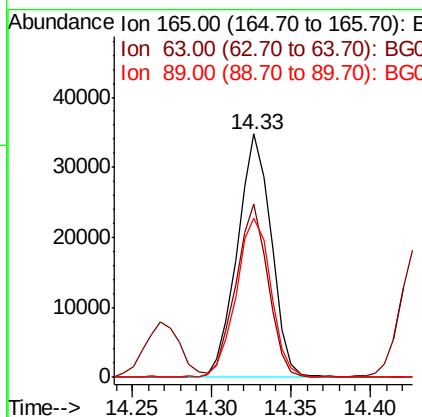
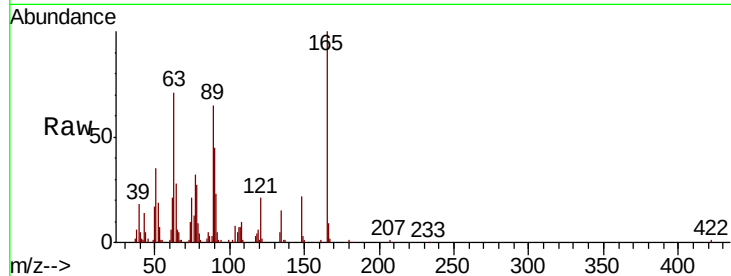




#51
 2,6-Dinitrotoluene
 Concen: 21.551 ng
 RT: 14.33 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

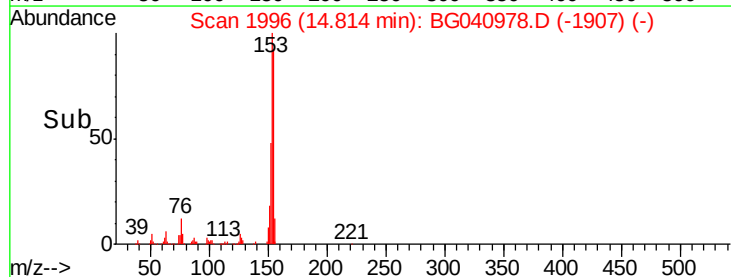
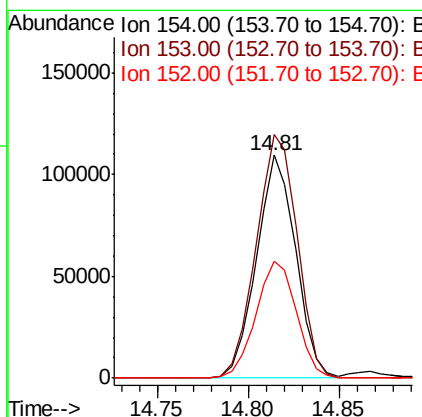
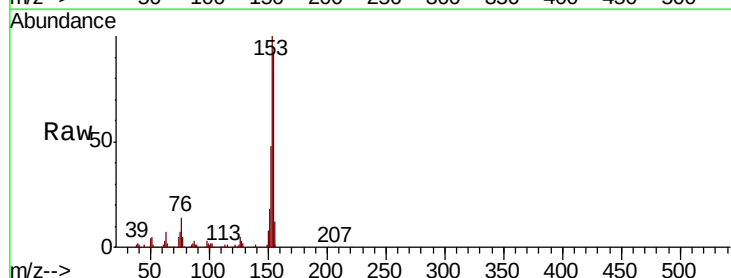
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

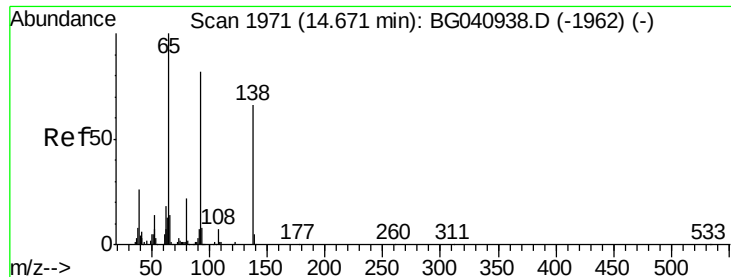
Tgt Ion:165 Resp: 51567
 Ion Ratio Lower Upper
 165 100
 63 70.9 53.6 80.4
 89 65.3 50.4 75.6



#52
 Acenaphthene
 Concen: 21.572 ng
 RT: 14.81 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

Tgt Ion:154 Resp: 163859
 Ion Ratio Lower Upper
 154 100
 153 109.2 88.6 133.0
 152 52.2 44.2 66.4

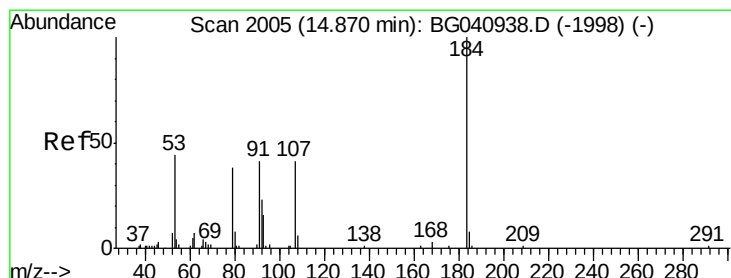
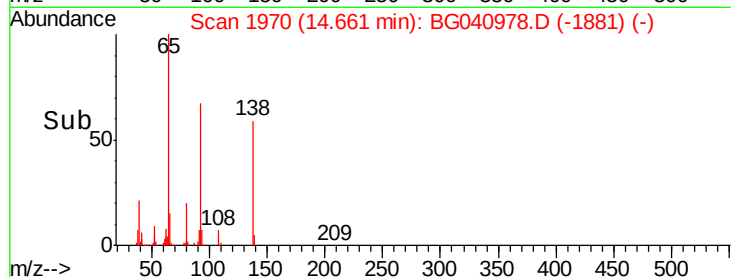
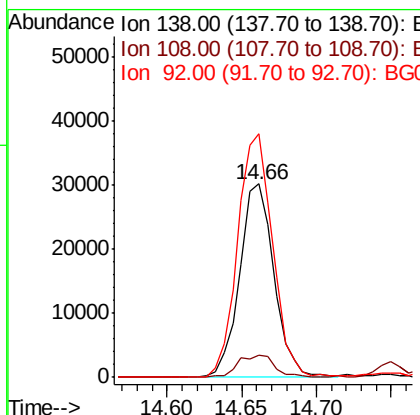
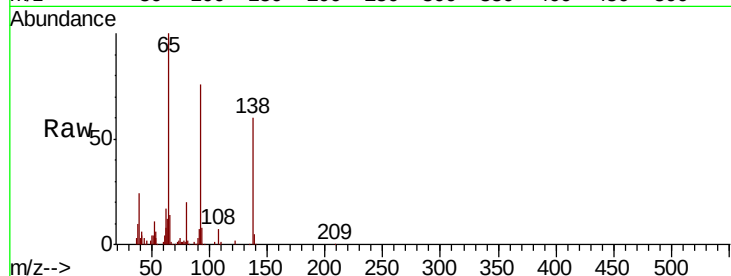




#53
3-Nitroaniline
Concen: 20.271 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG040978.D
Acq: 31 May 2019 14:41

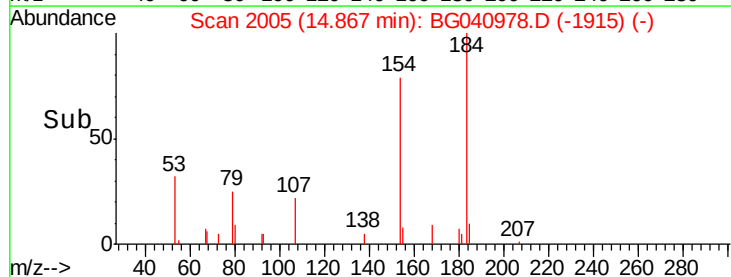
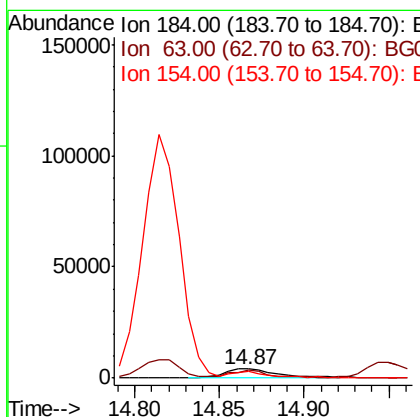
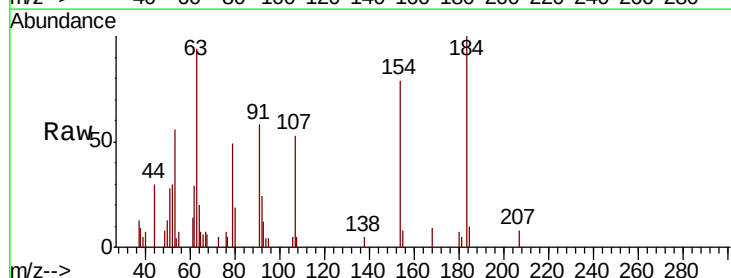
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

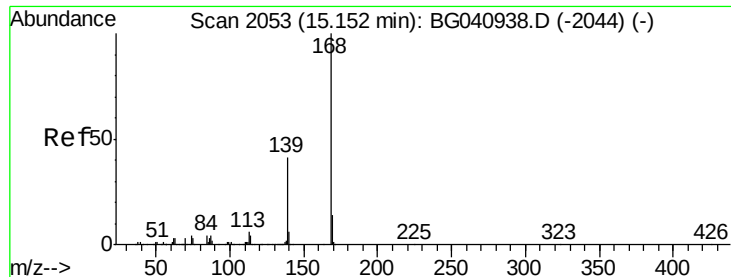
Tgt Ion:138 Resp: 48503
Ion Ratio Lower Upper
138 100
108 11.7 8.5 12.7
92 125.8 99.0 148.6



#54
2,4-Dinitrophenol
Concen: 16.883 ng
RT: 14.87 min Scan# 2005
Delta R.T. -0.00 min
Lab File: BG040978.D
Acq: 31 May 2019 14:41

Tgt Ion:184 Resp: 8897
Ion Ratio Lower Upper
184 100
63 94.3 49.8 74.6#
154 78.5 52.2 78.4#





#55

Dibenzenofuran

Concen: 22.716 ng

RT: 15.15 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

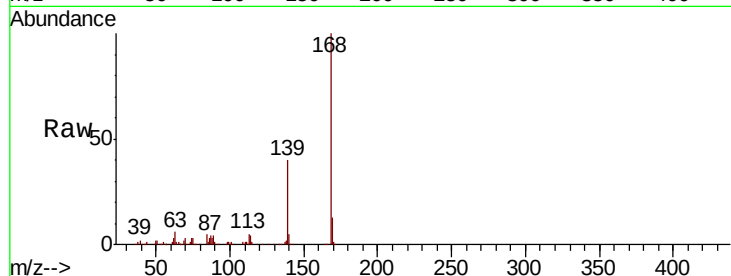
Tgt Ion:168 Resp: 290342

Ion Ratio Lower Upper

168 100

139 39.6 32.8 49.2

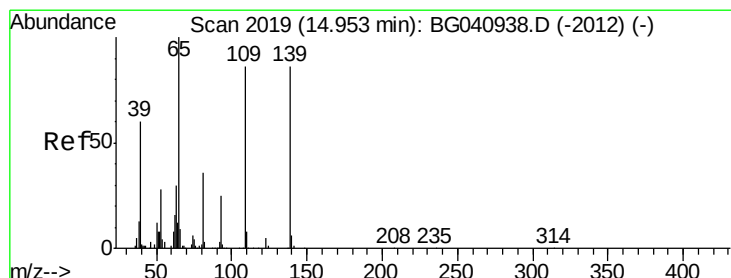
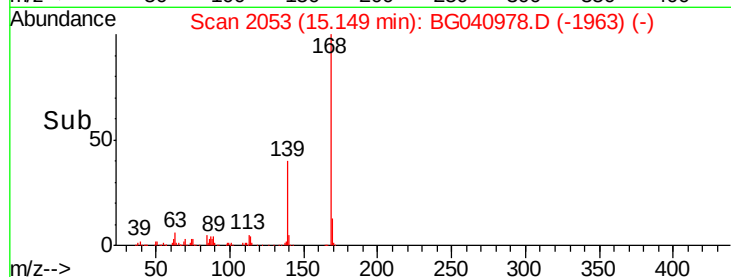
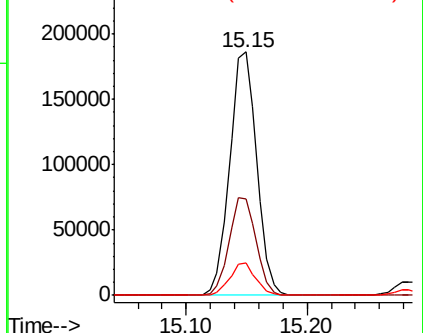
169 13.5 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 21.399 ng

RT: 14.95 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

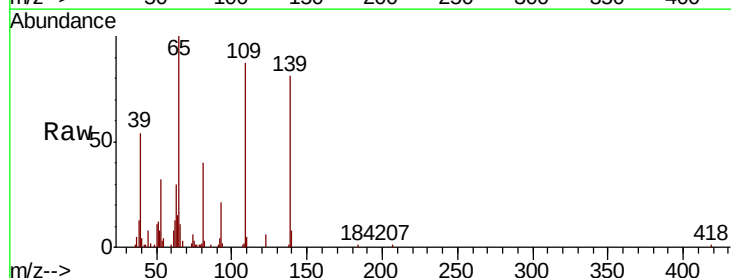
Tgt Ion:139 Resp: 35119

Ion Ratio Lower Upper

139 100

109 107.4 79.6 119.6

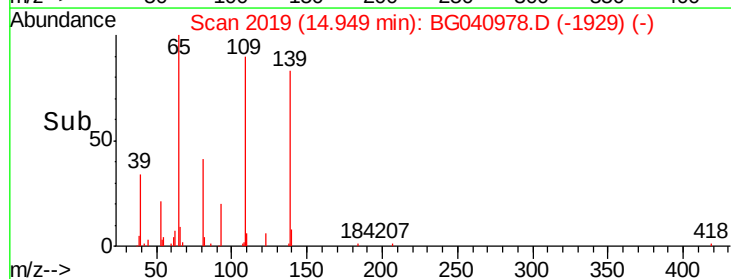
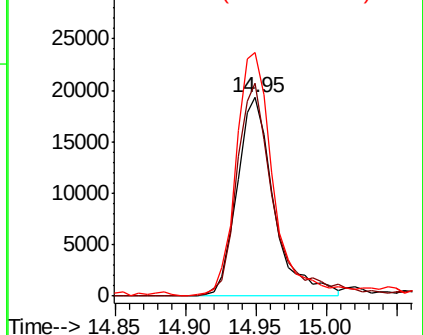
65 122.8 96.9 136.9

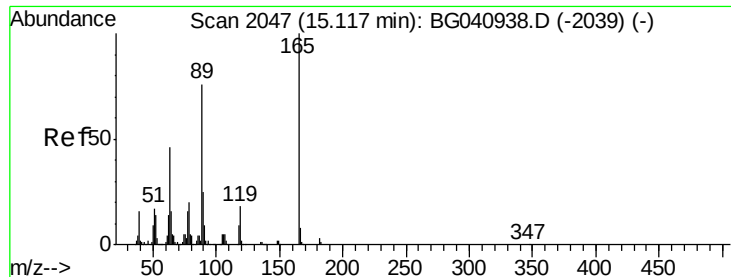


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG





#57

2,4-Dinitrotoluene

Concen: 21.740 ng

RT: 15.11 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tgt Ion:165 Resp: 73482

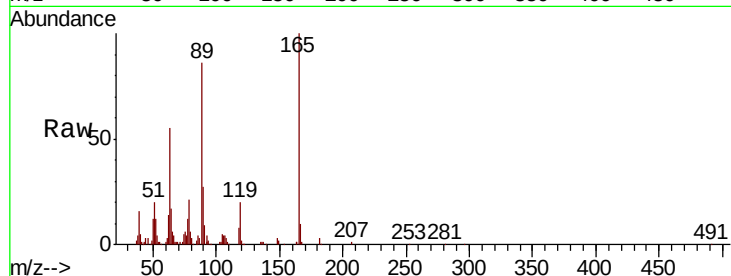
Ion Ratio Lower Upper

165 100

63 54.5 37.3 55.9

89 85.9 61.0 91.6

182 3.0 2.2 3.2

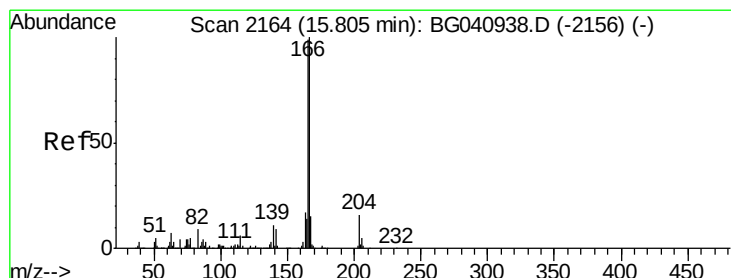
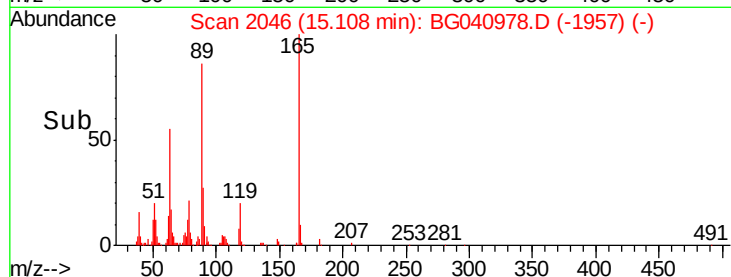
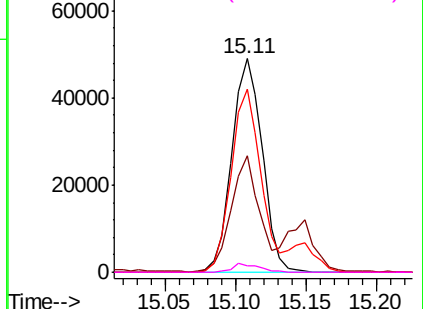


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 21.897 ng

RT: 15.80 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

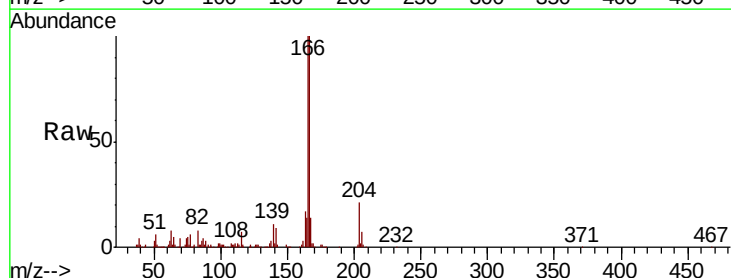
Tgt Ion:166 Resp: 222880

Ion Ratio Lower Upper

166 100

165 99.7 79.2 118.8

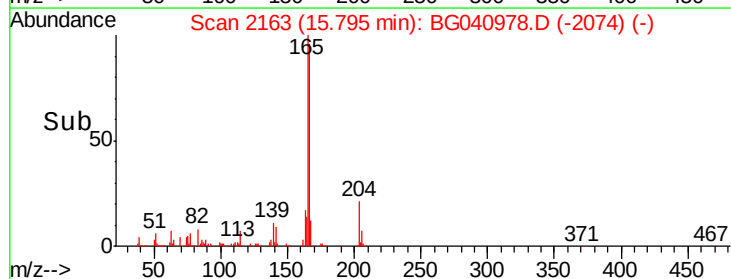
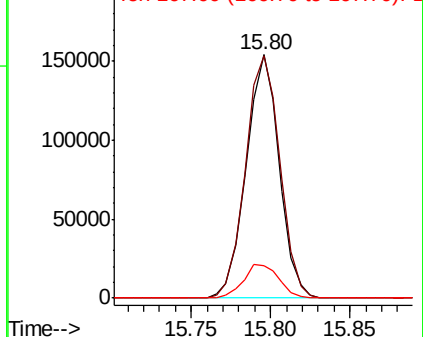
167 13.6 11.8 17.6

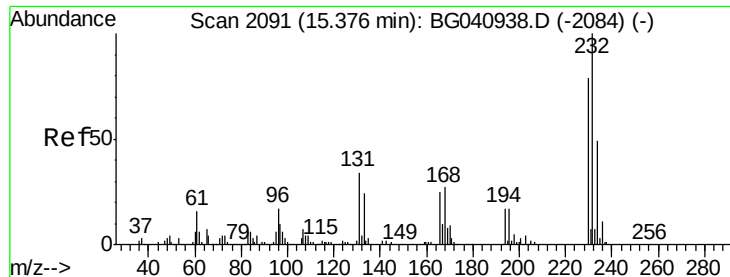


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

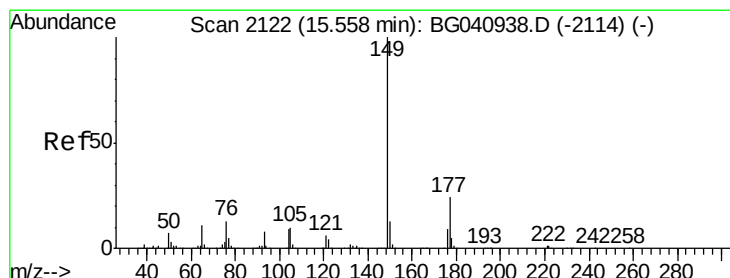
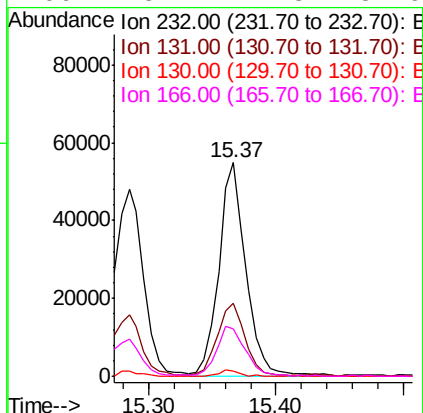
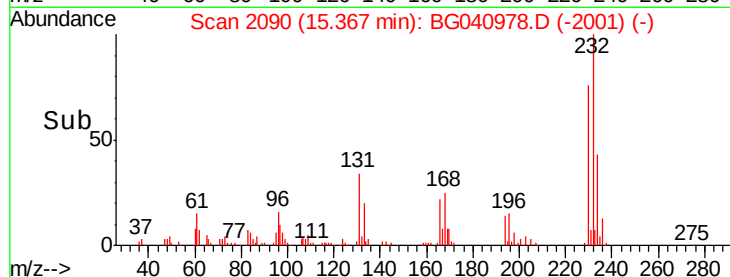
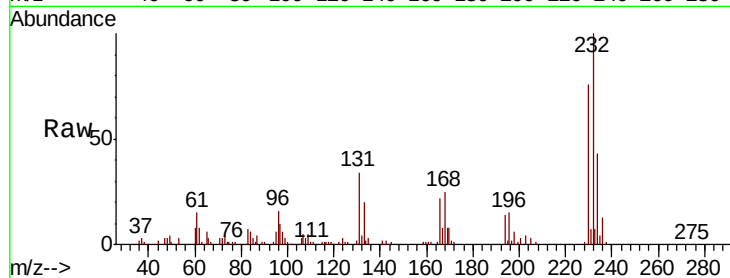




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 22.749 ng
 RT: 15.37 min Scan# 2090
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

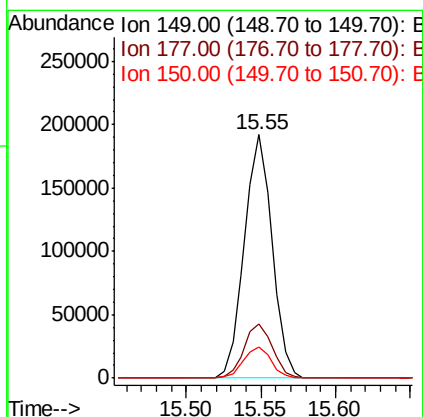
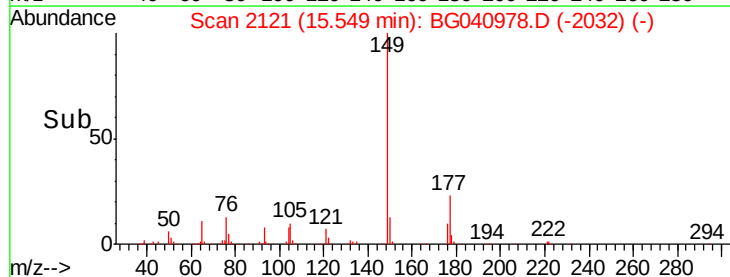
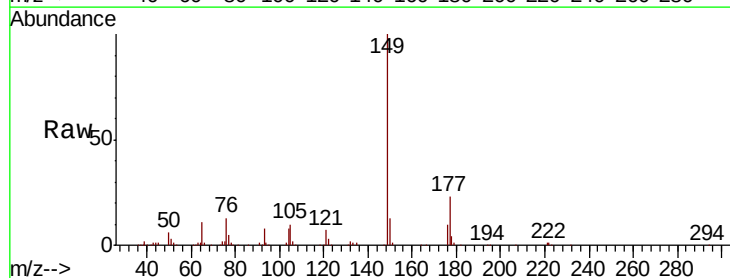
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

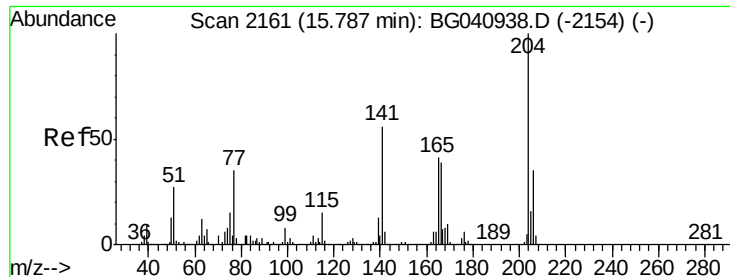
Tgt Ion:	232	Resp:	80597
Ion	Ratio	Lower	Upper
232	100		
131	35.6	30.3	45.5
130	2.1	1.8	2.8
166	25.4	21.3	31.9



#60
 Diethylphthalate
 Concen: 21.855 ng
 RT: 15.55 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

Tgt Ion:	149	Resp:	247525
Ion	Ratio	Lower	Upper
149	100		
177	22.5	19.4	29.0
150	12.9	10.3	15.5

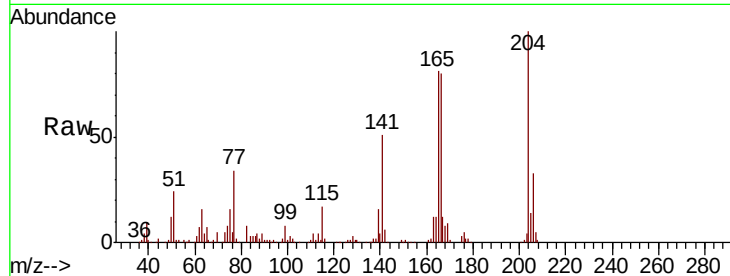




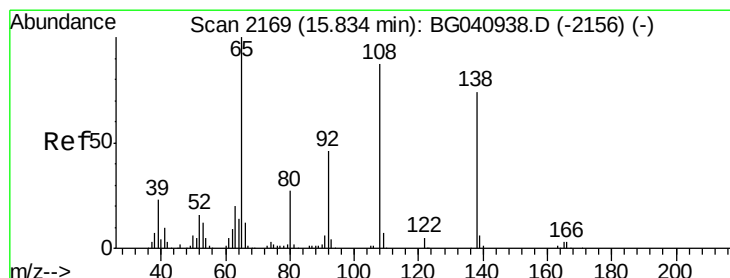
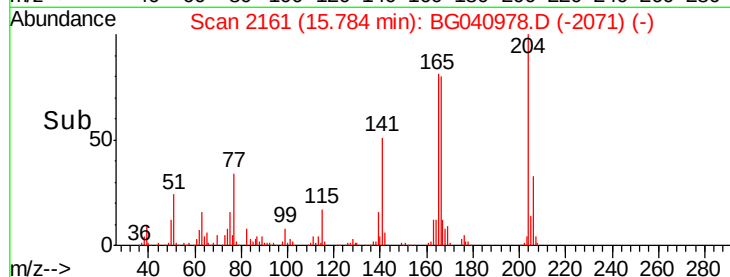
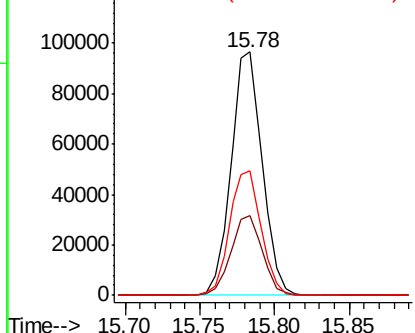
#61
 4-Chlorophenyl-phenylether
 Concen: 21.216 ng
 RT: 15.78 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tgt Ion: 204 Resp: 140364
 Ion Ratio Lower Upper
 204 100
 206 33.0 27.6 41.4
 141 51.0 45.1 67.7

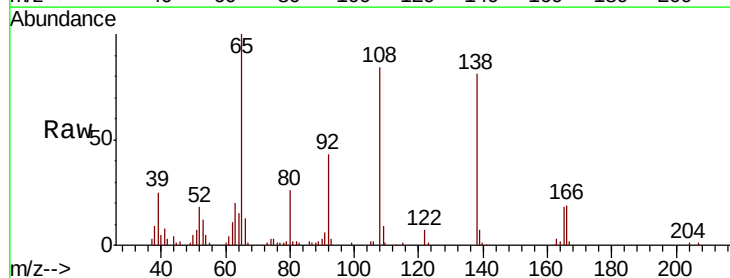


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

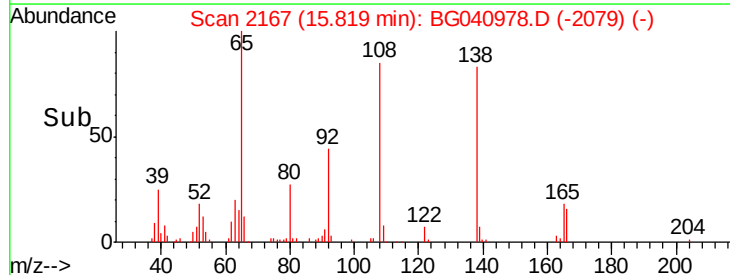
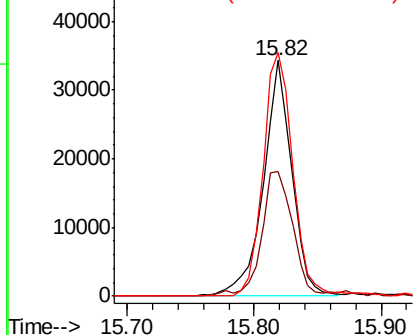


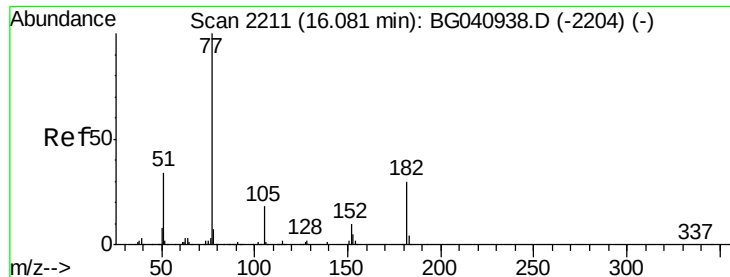
#62
 4-Nitroaniline
 Concen: 21.098 ng
 RT: 15.82 min Scan# 2167
 Delta R.T. -0.02 min
 Lab File: BG040978.D
 Acq: 31 May 2019 14:41

Tgt Ion: 138 Resp: 53444
 Ion Ratio Lower Upper
 138 100
 92 53.1 42.4 82.4
 108 103.4 96.9 136.9



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BG
 Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 22.510 ng

RT: 16.07 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tgt Ion: 77 Resp: 231706

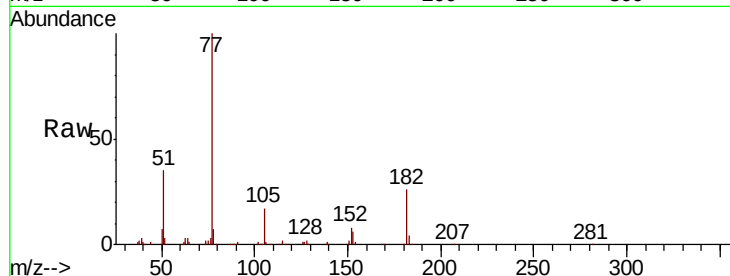
Ion Ratio Lower Upper

77 100

182 26.0 9.6 49.6

105 17.2 0.0 37.5

51 34.8 13.7 53.7

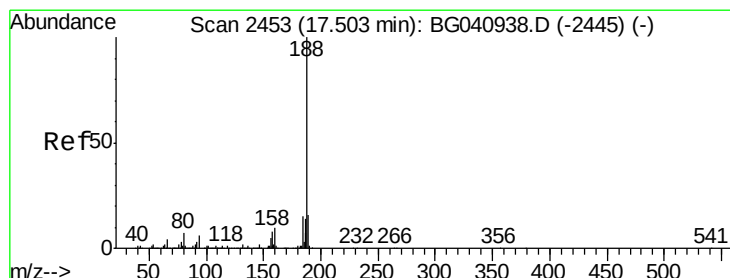
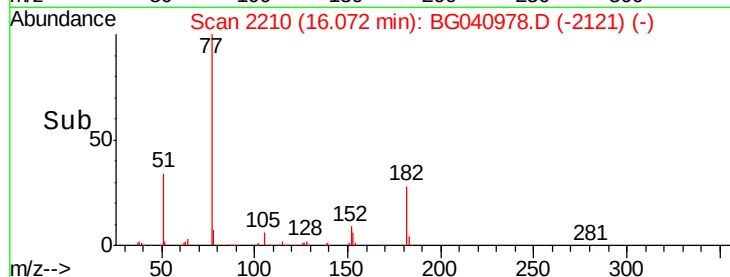
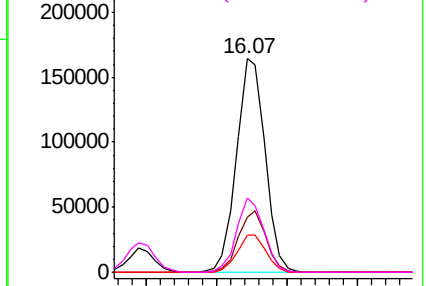


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

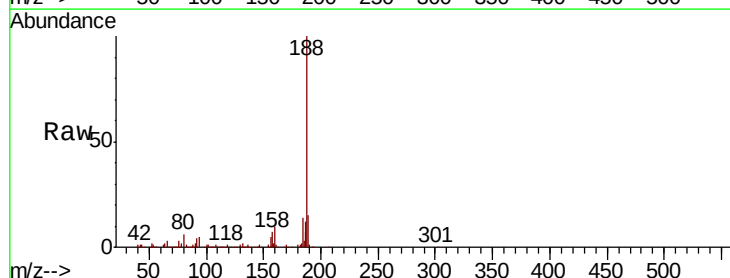
Tgt Ion: 188 Resp: 342187

Ion Ratio Lower Upper

188 100

94 5.4 4.7 7.1

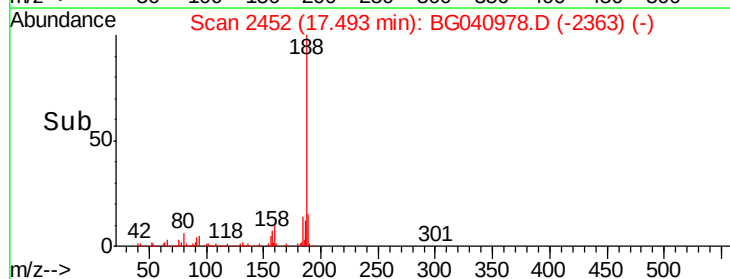
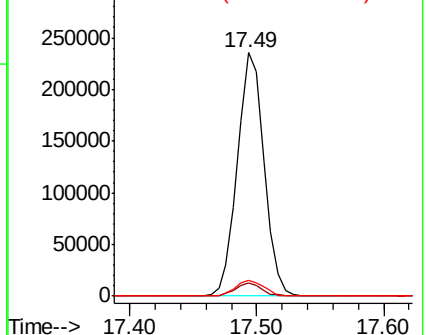
80 6.4 5.8 8.8

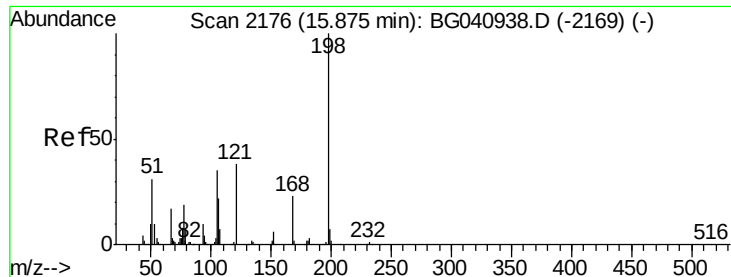


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 20.018 ng

RT: 15.87 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

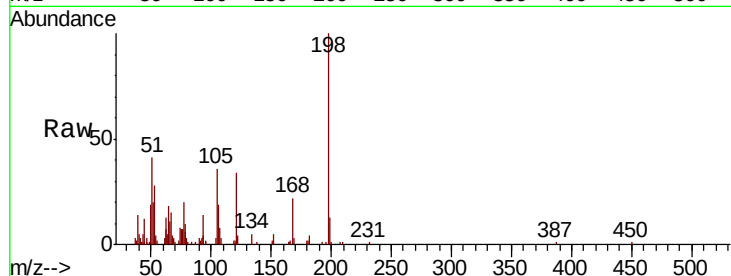
Tgt Ion:198 Resp: 25522

Ion Ratio Lower Upper

198 100

51 41.3 21.6 61.6

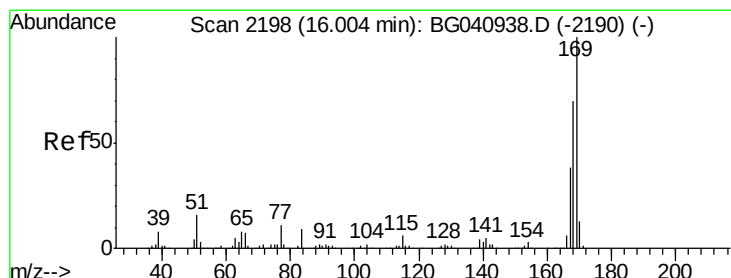
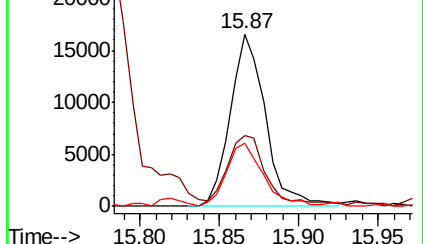
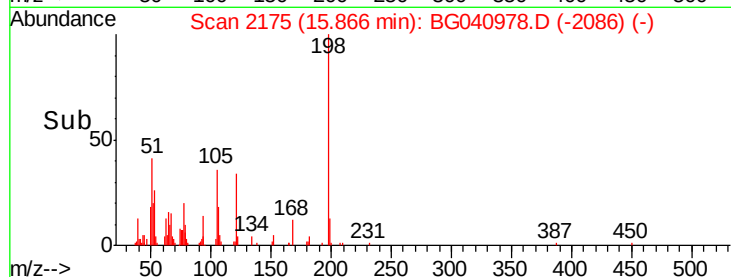
105 36.4 17.5 57.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 21.697 ng

RT: 16.00 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

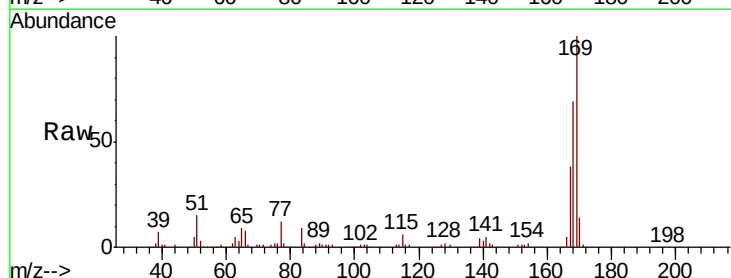
Tgt Ion:169 Resp: 208707

Ion Ratio Lower Upper

169 100

168 68.6 55.7 83.5

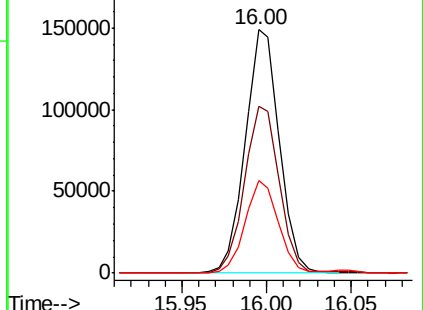
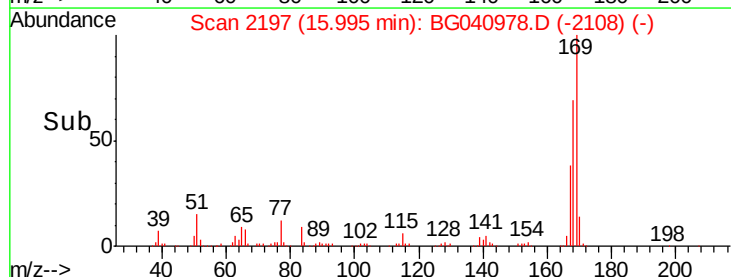
167 37.8 30.2 45.2

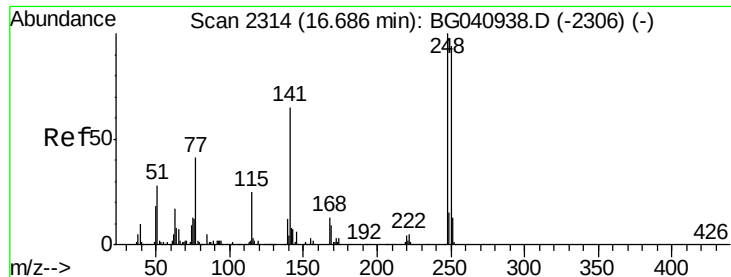


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

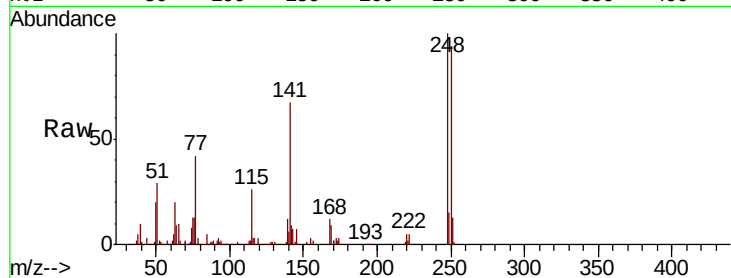




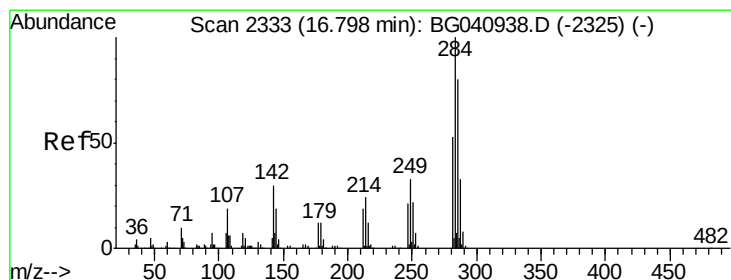
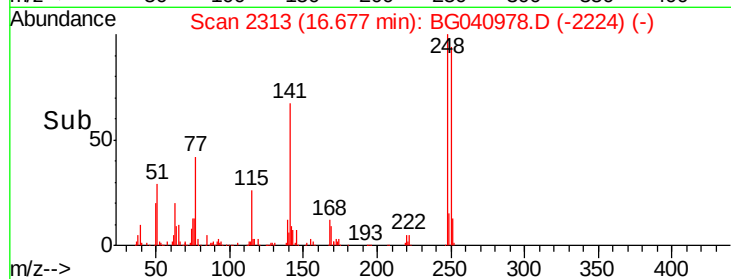
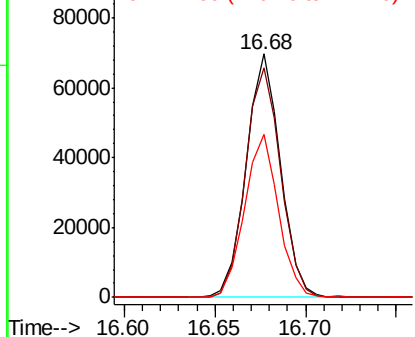
#67
4-Bromophenyl-phenylether
Concen: 19.779 ng
RT: 16.68 min Scan# 2313
Delta R.T. -0.01 min
Lab File: BG040978.D
Acq: 31 May 2019 14:41

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion: 248 Resp: 91340
Ion Ratio Lower Upper
248 100
250 94.1 75.0 112.4
141 67.1 52.4 78.6

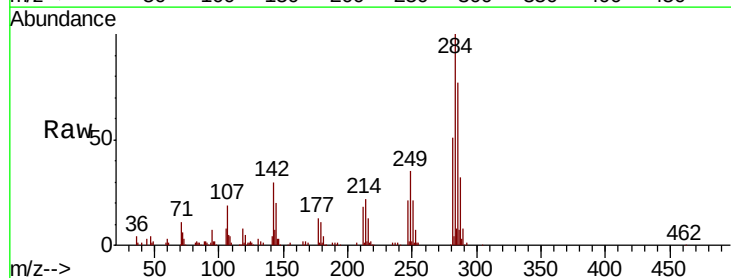


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

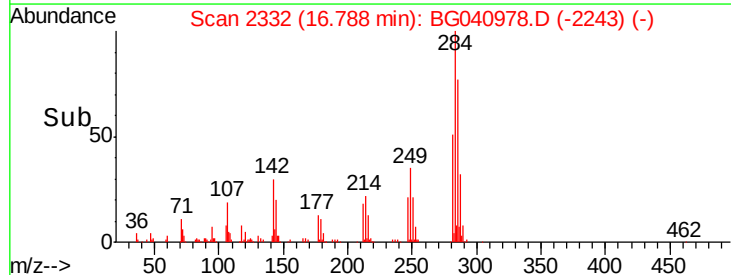
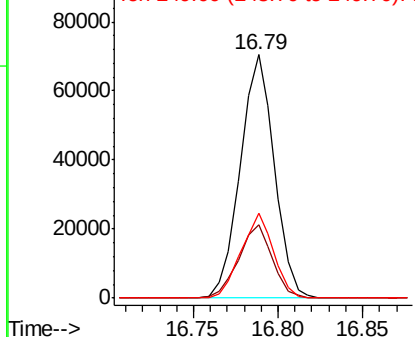


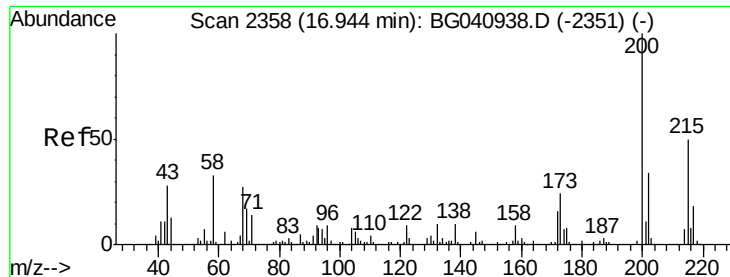
#68
Hexachlorobenzene
Concen: 20.058 ng
RT: 16.79 min Scan# 2332
Delta R.T. -0.01 min
Lab File: BG040978.D
Acq: 31 May 2019 14:41

Tgt Ion: 284 Resp: 98635
Ion Ratio Lower Upper
284 100
142 30.2 23.9 35.9
249 34.8 26.8 40.2



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 24.380 ng

RT: 16.94 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

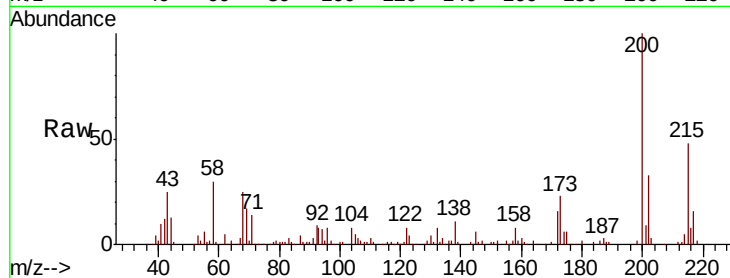
Tgt Ion:200 Resp: 90489

Ion Ratio Lower Upper

200 100

173 23.0 3.6 43.6

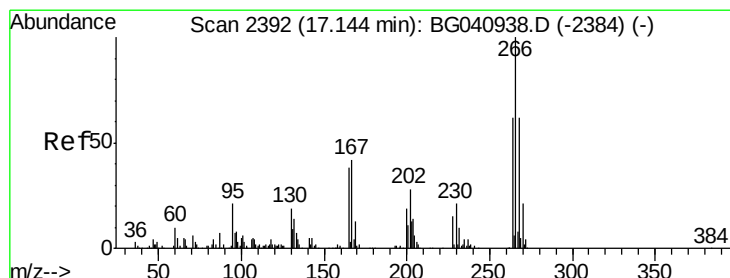
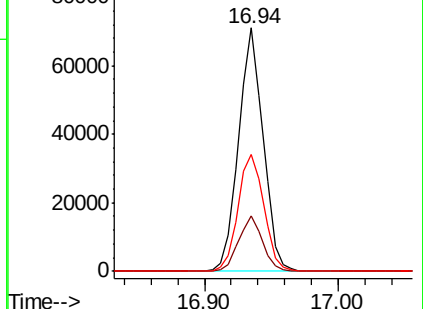
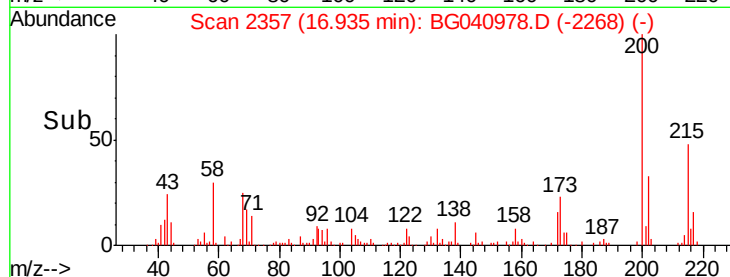
215 48.1 29.6 69.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 18.279 ng

RT: 17.14 min Scan# 2391

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

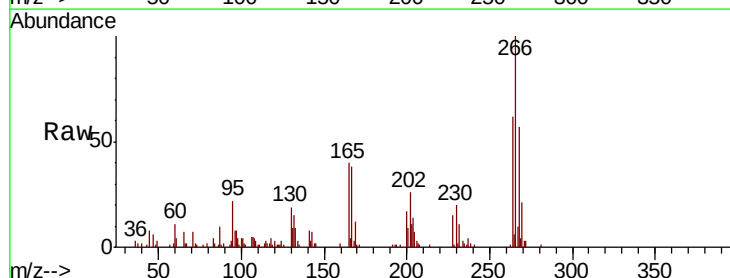
Tgt Ion:266 Resp: 39015

Ion Ratio Lower Upper

266 100

268 56.6 53.1 79.7

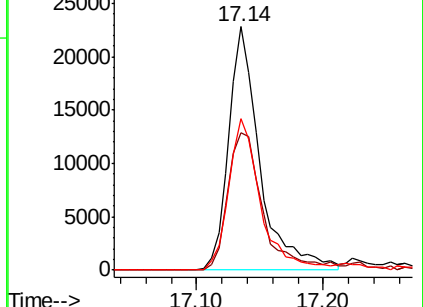
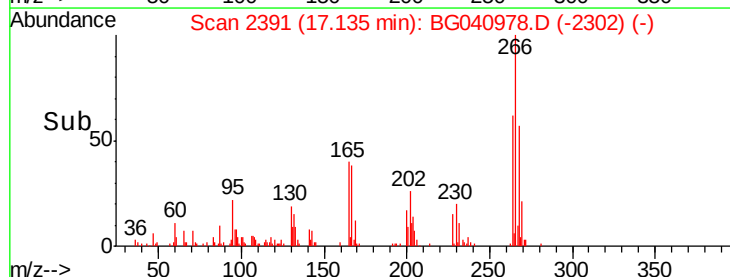
264 62.1 49.9 74.9

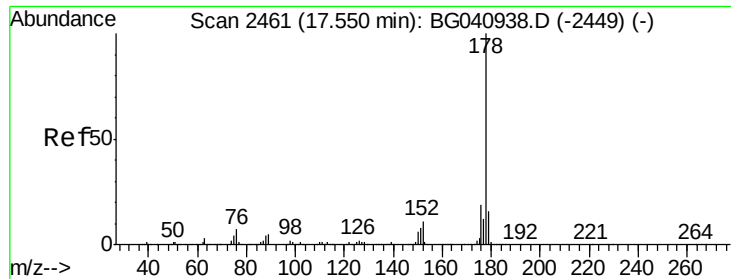


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 22.018 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

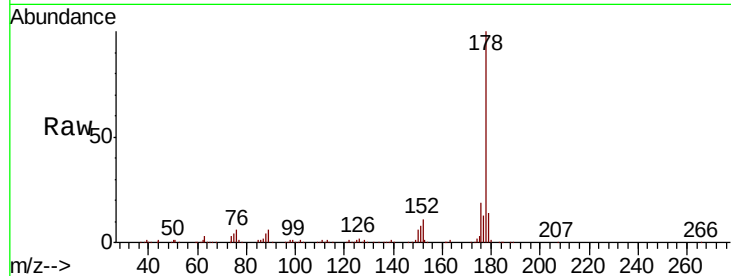
Tgt Ion:178 Resp: 392457

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

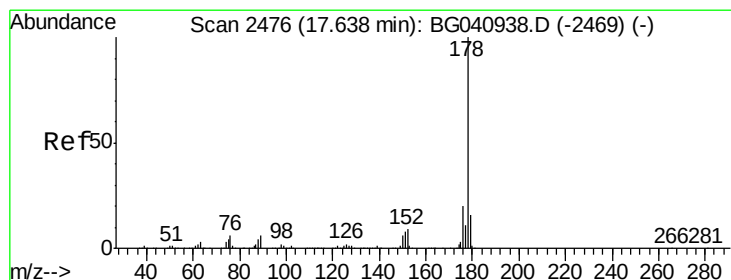
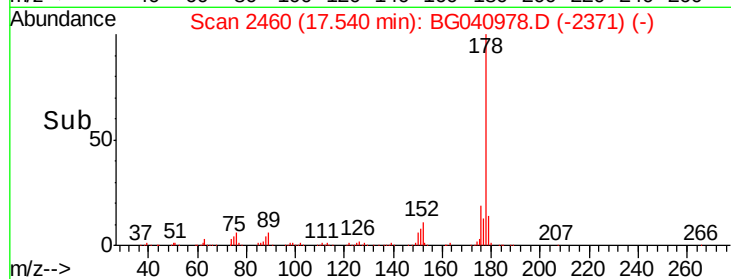
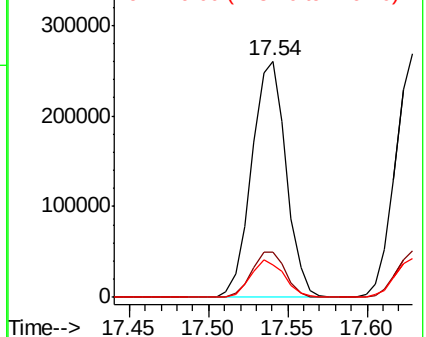
179 13.9 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 23.162 ng

RT: 17.63 min Scan# 2475

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

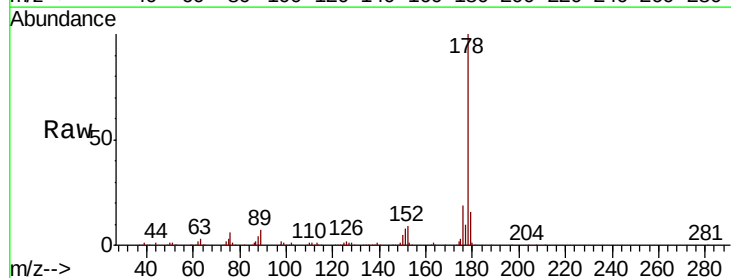
Tgt Ion:178 Resp: 407165

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

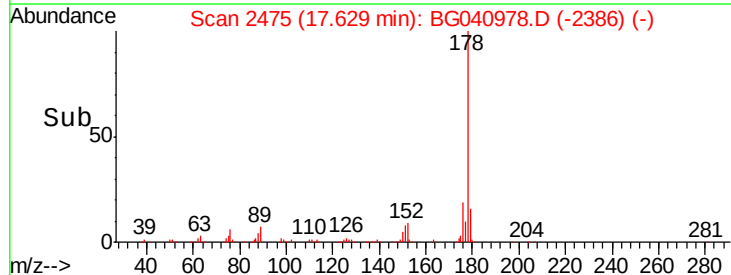
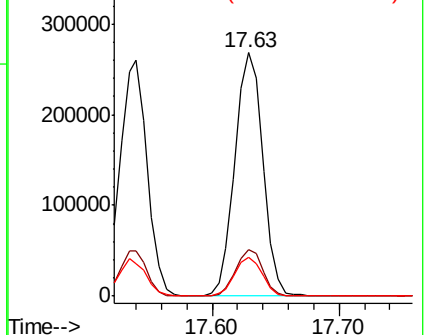
179 16.0 13.0 19.4

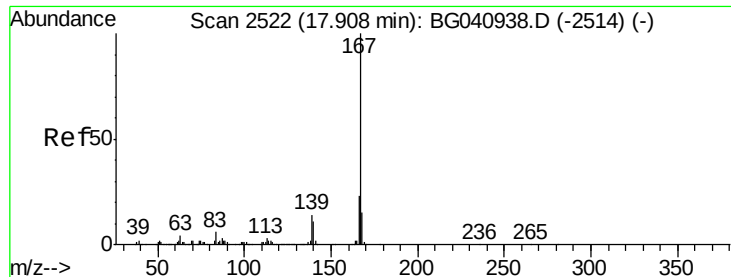


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 23.321 ng

RT: 17.90 min Scan# 2521

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

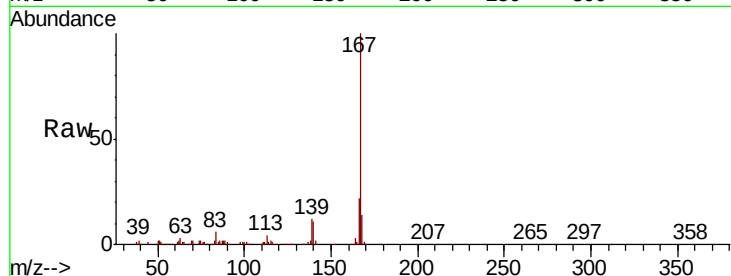
Tgt Ion:167 Resp: 351764

Ion Ratio Lower Upper

167 100

166 21.5 18.2 27.4

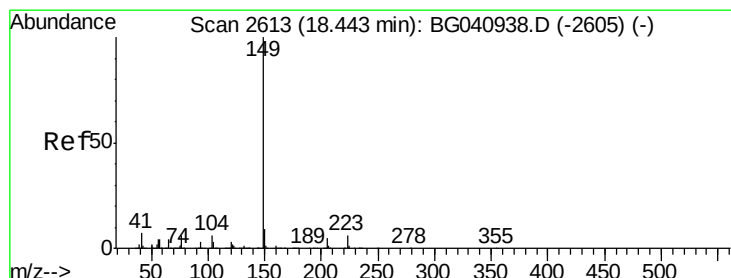
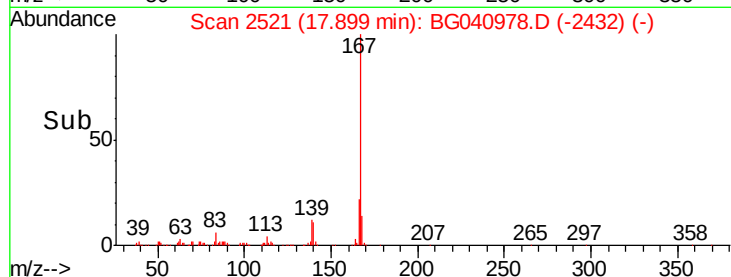
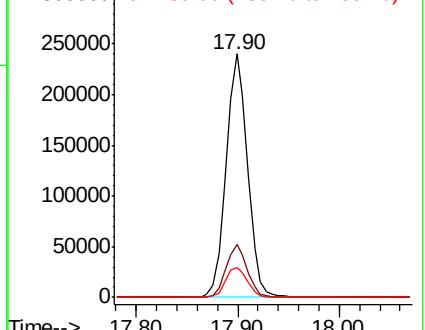
139 12.2 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 22.202 ng

RT: 18.43 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

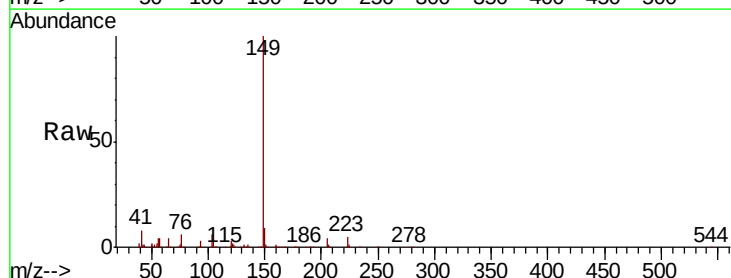
Tgt Ion:149 Resp: 416229

Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.2

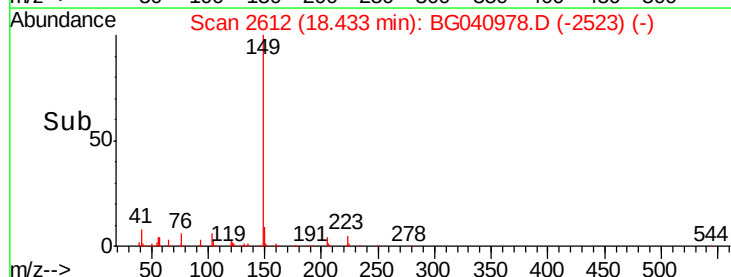
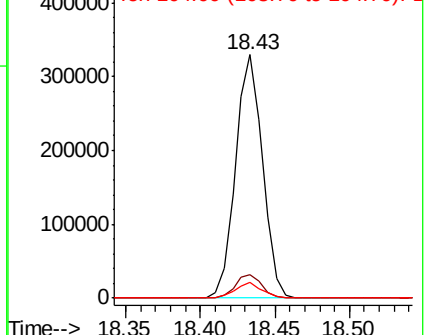
104 6.3 5.0 7.4

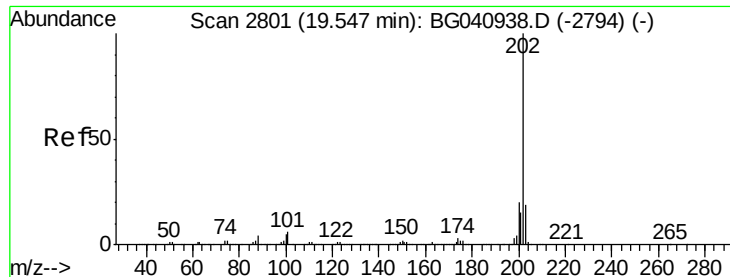


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 23.989 ng

RT: 19.54 min Scan# 2800

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

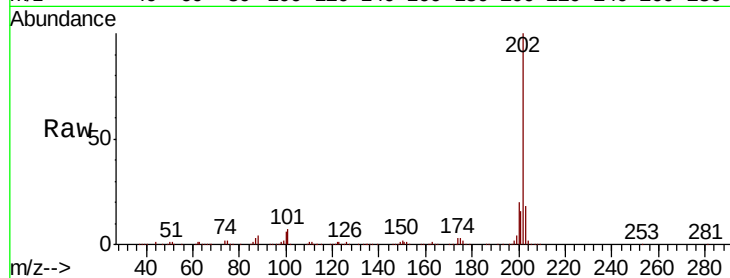
Tgt Ion:202 Resp: 528140

Ion Ratio Lower Upper

202 100

101 6.6 0.0 26.2

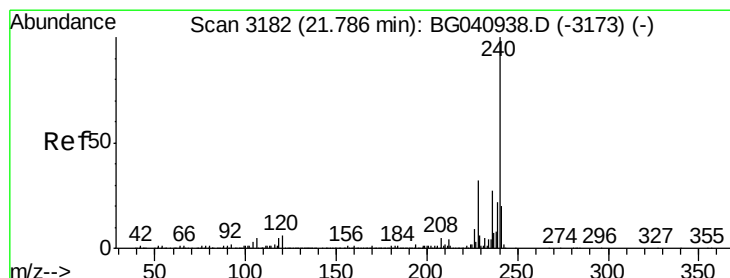
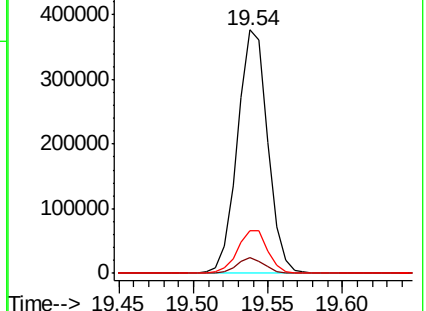
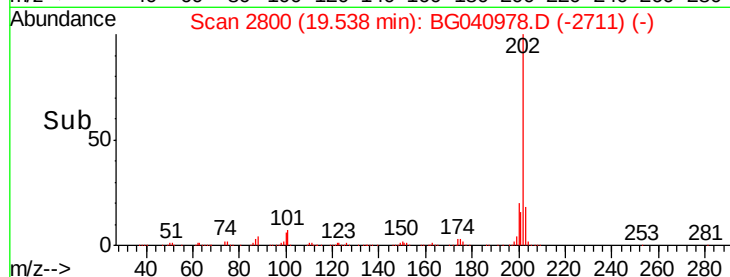
203 17.8 0.0 38.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.78 min Scan# 3181

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

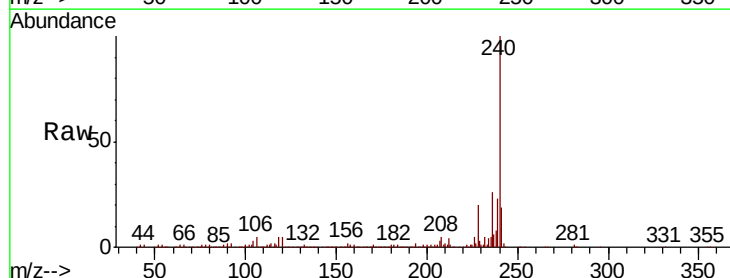
Tgt Ion:240 Resp: 353409

Ion Ratio Lower Upper

240 100

120 5.2 4.5 6.7

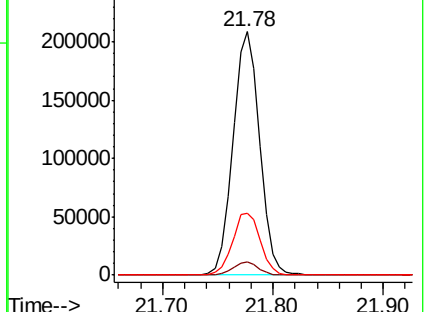
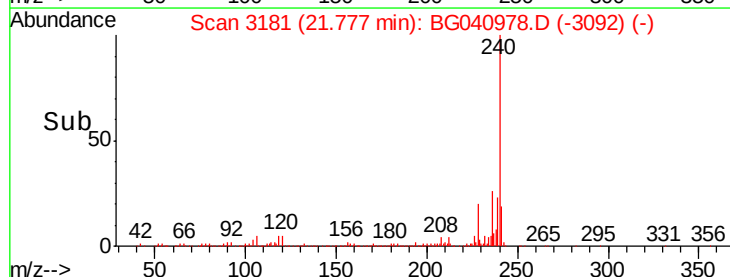
236 25.7 21.3 31.9

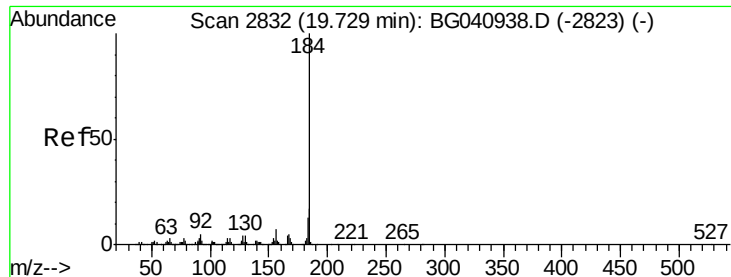


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 26.387 ng

RT: 19.72 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

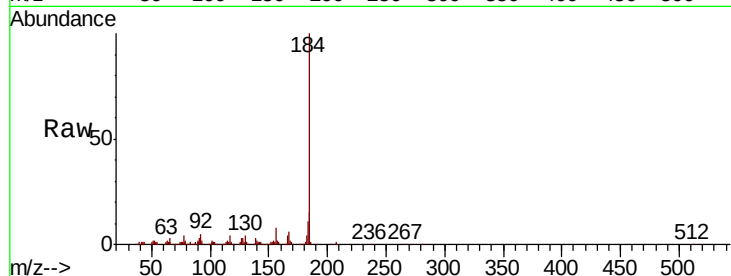
Tgt Ion:184 Resp: 222457

Ion Ratio Lower Upper

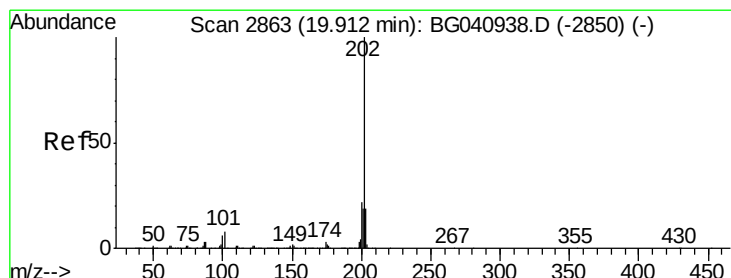
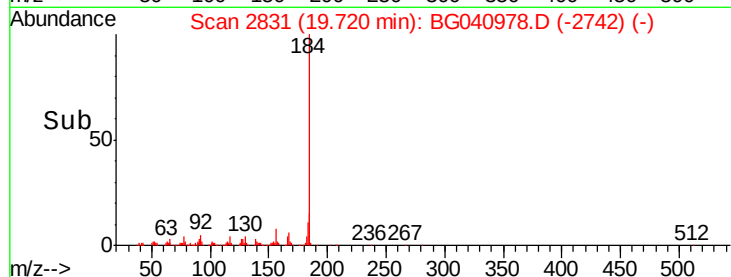
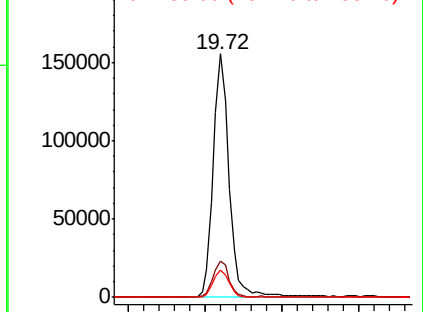
184 100

185 15.1 13.3 19.9

183 11.3 10.7 16.1



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 23.347 ng

RT: 19.90 min Scan# 2862

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

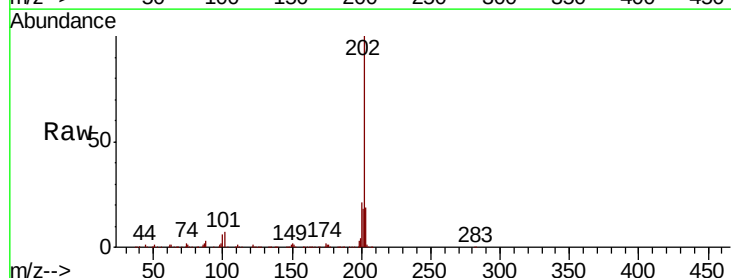
Tgt Ion:202 Resp: 536377

Ion Ratio Lower Upper

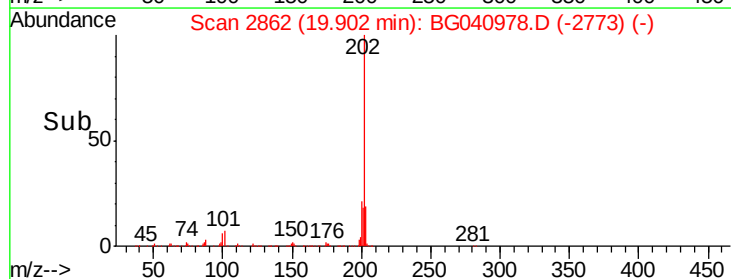
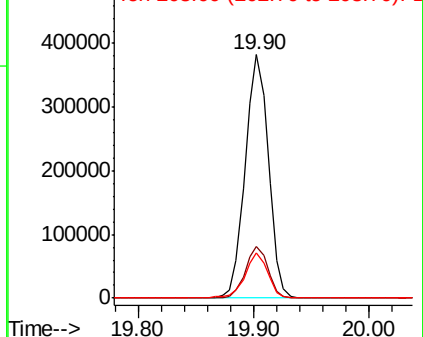
202 100

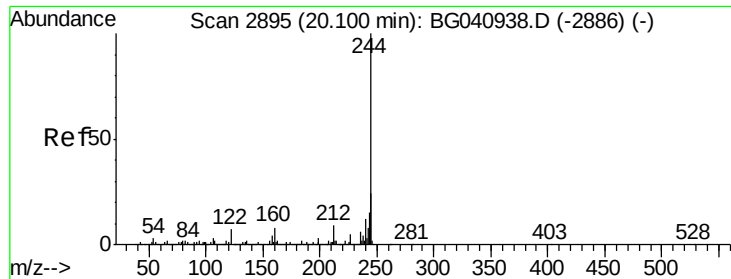
200 21.2 17.5 26.3

203 18.7 15.6 23.4



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





#79

Terphenyl-d14

Concen: 64.436 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

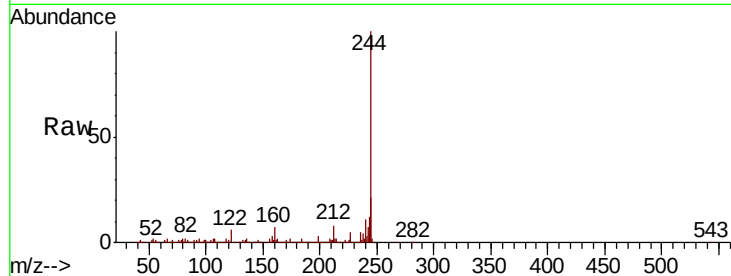
Tgt Ion:244 Resp: 1072977

Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.4

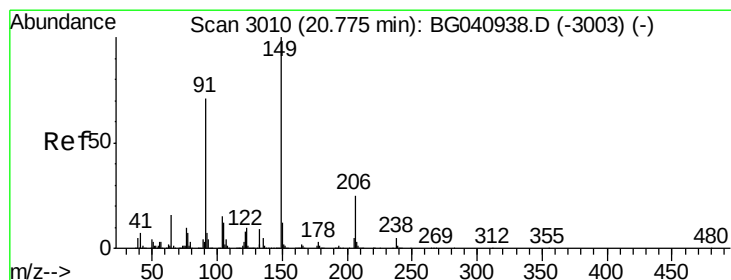
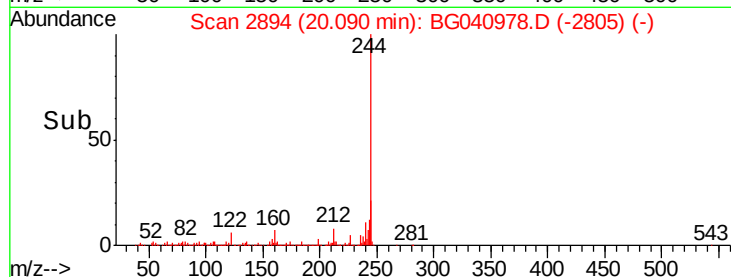
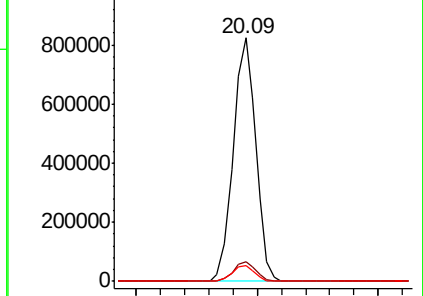
122 6.5 5.4 8.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 21.462 ng

RT: 20.77 min Scan# 3009

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

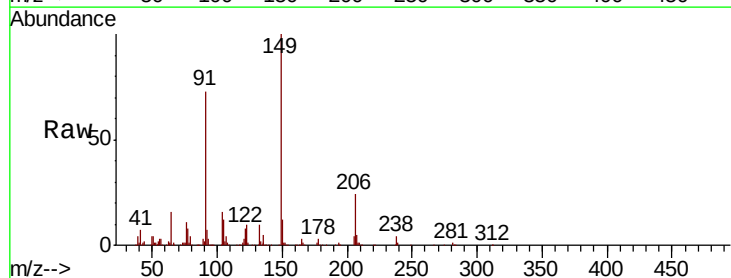
Tgt Ion:149 Resp: 191877

Ion Ratio Lower Upper

149 100

91 73.3 56.5 84.7

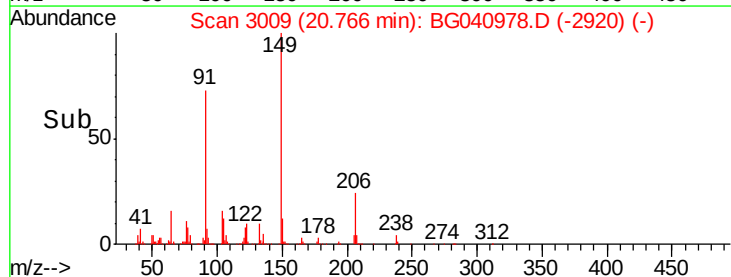
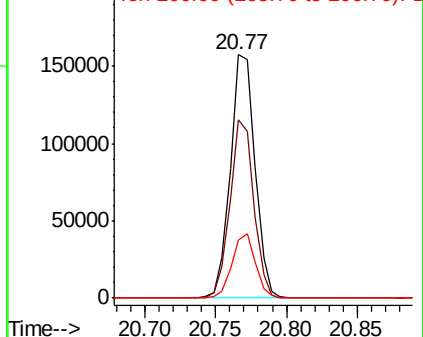
206 23.7 20.3 30.5

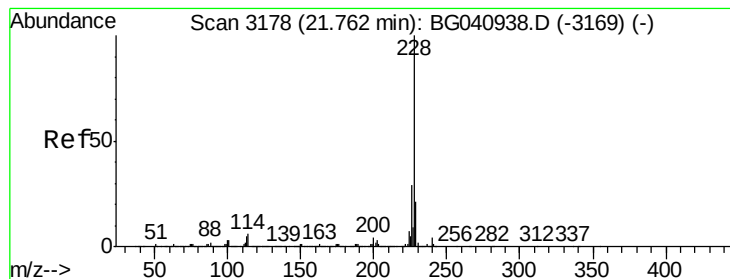


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 21.984 ng

RT: 21.75 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

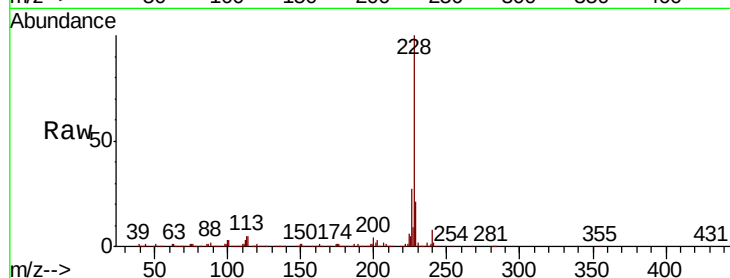
Tgt Ion:228 Resp: 517181

Ion Ratio Lower Upper

228 100

226 27.5 23.5 35.3

229 21.1 16.7 25.1

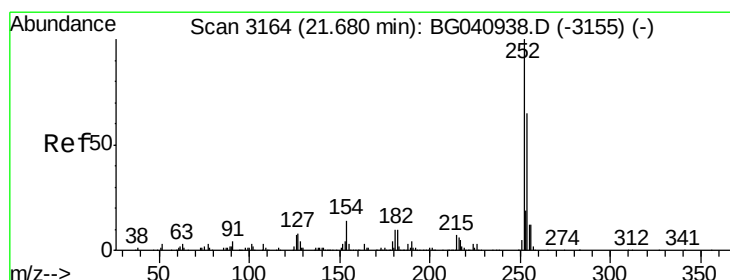
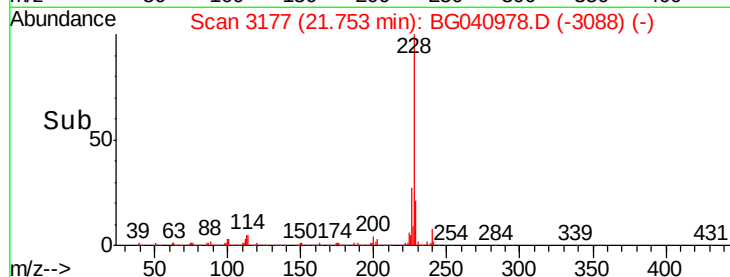
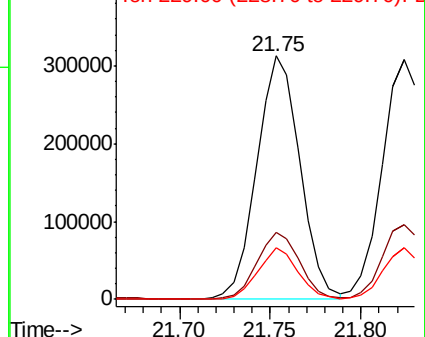


Abundance

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

3,3'-Dichlorobenzidine

Concen: 22.842 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

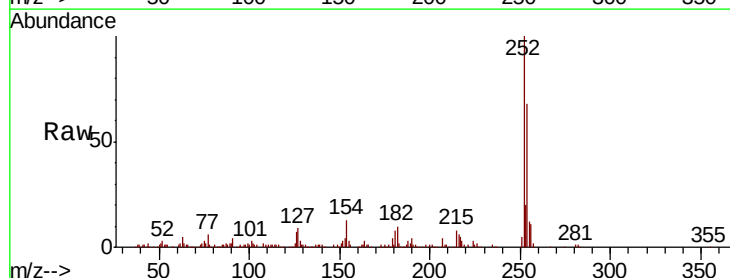
Tgt Ion:252 Resp: 189004

Ion Ratio Lower Upper

252 100

254 68.1 52.1 78.1

126 6.8 5.5 8.3

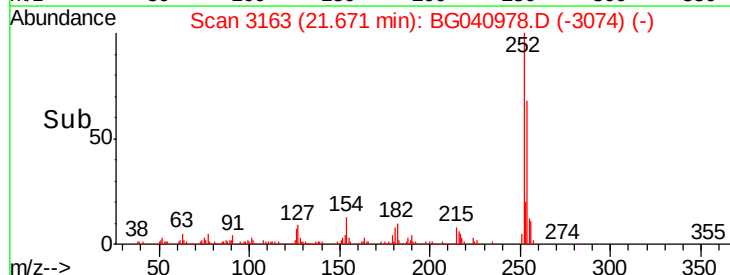
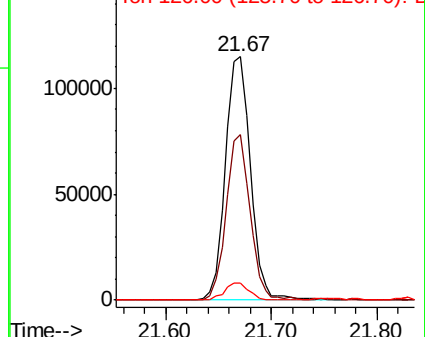


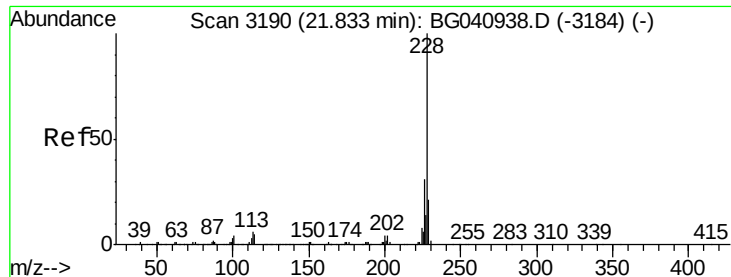
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 22.536 ng

RT: 21.82 min Scan# 3189

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

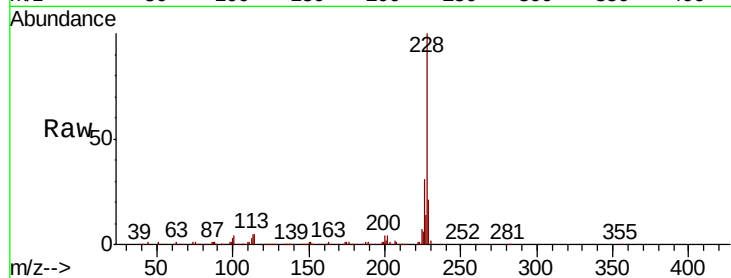
Tgt Ion: 228 Resp: 507335

Ion Ratio Lower Upper

228 100

226 31.3 24.6 37.0

229 21.3 16.6 24.8



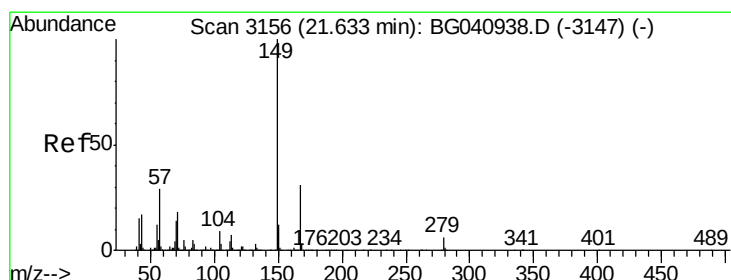
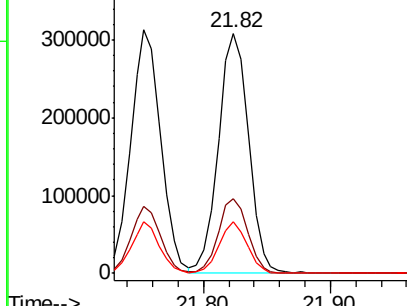
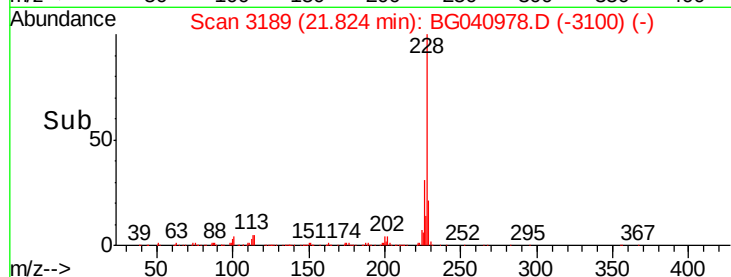
Abundance

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

21.82



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.965 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

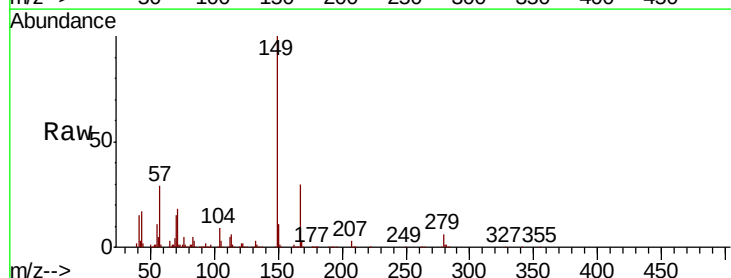
Tgt Ion: 149 Resp: 263858

Ion Ratio Lower Upper

149 100

167 30.1 24.6 37.0

279 6.2 5.0 7.6



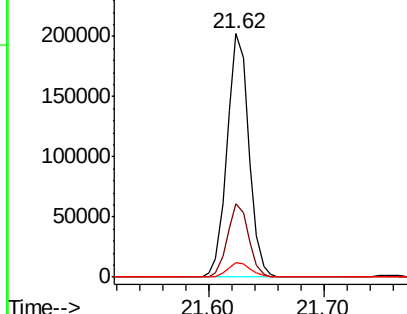
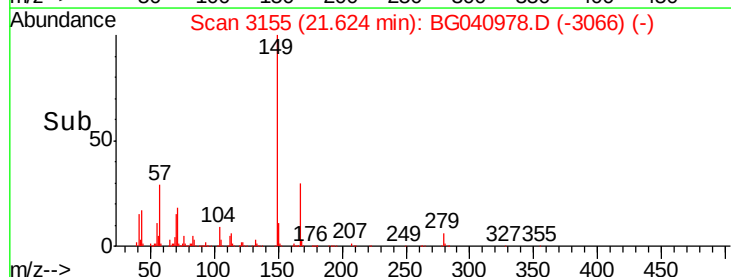
Abundance

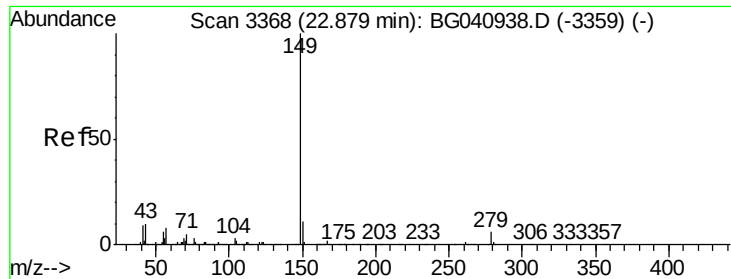
Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

21.62





#85

Di-n-octyl phthalate

Concen: 21.385 ng

RT: 22.87 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

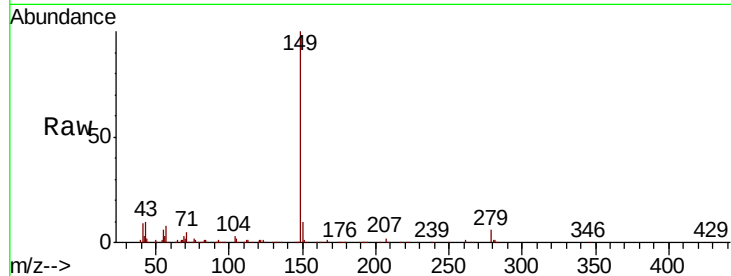
Tgt Ion:149 Resp: 448238

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

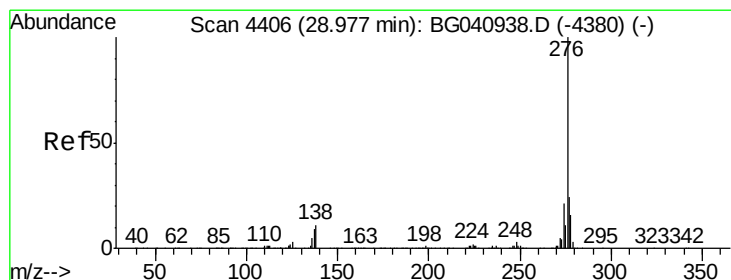
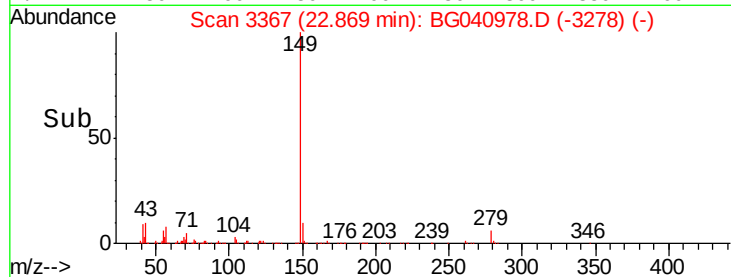
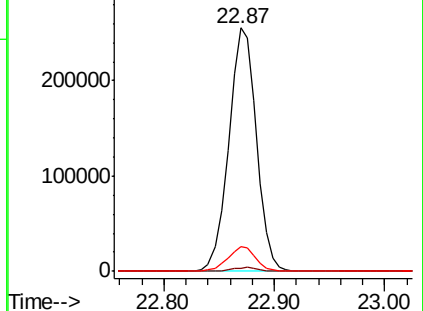
43 10.4 8.1 12.1



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): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 21.230 ng

RT: 28.94 min Scan# 4401

Delta R.T. -0.03 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

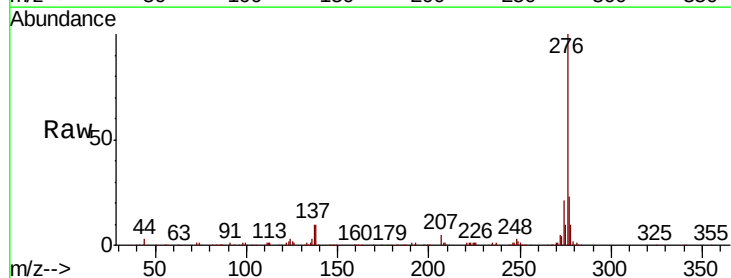
Tgt Ion:276 Resp: 585458

Ion Ratio Lower Upper

276 100

138 4.0 5.7 8.5#

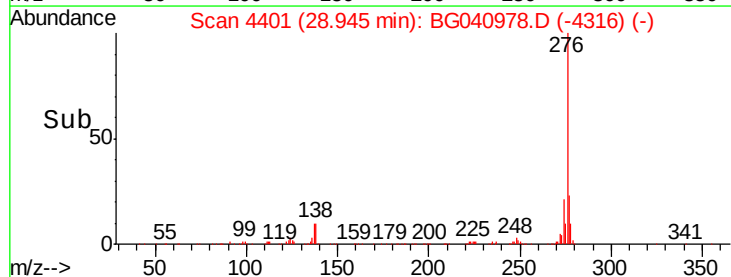
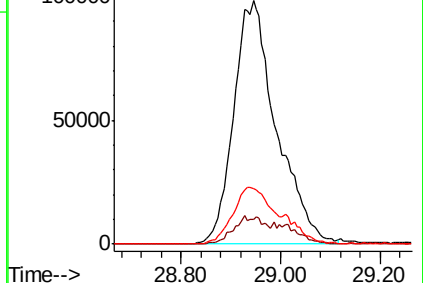
277 20.9 20.8 31.2

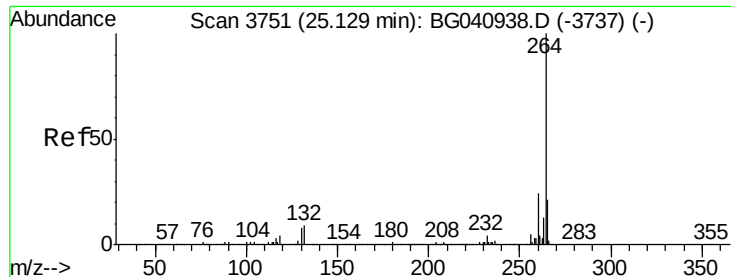


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3749

Delta R.T. -0.02 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

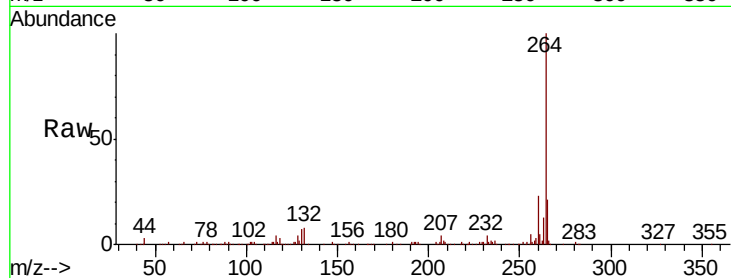
Tgt Ion:264 Resp: 372741

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.4

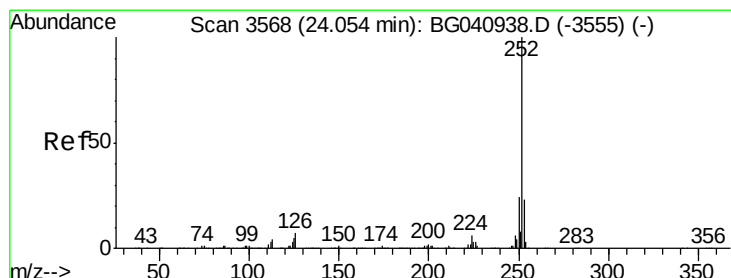
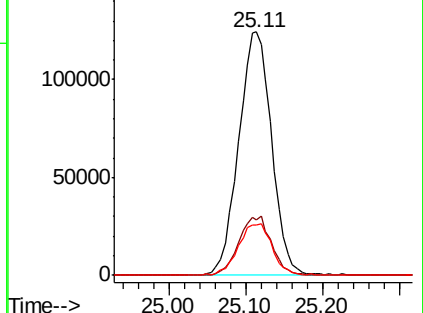
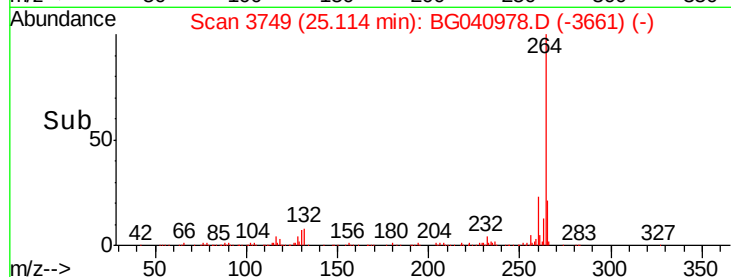
265 20.9 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 22.290 ng

RT: 24.04 min Scan# 3566

Delta R.T. -0.02 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

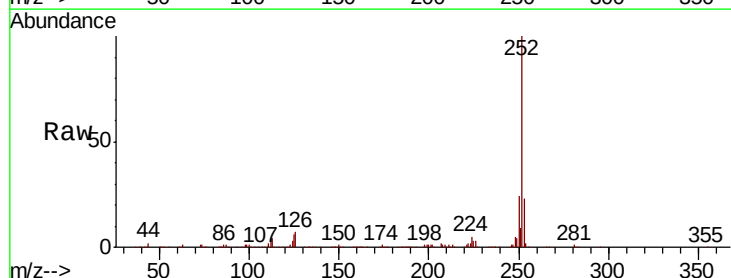
Tgt Ion:252 Resp: 503936

Ion Ratio Lower Upper

252 100

253 23.0 18.4 27.6

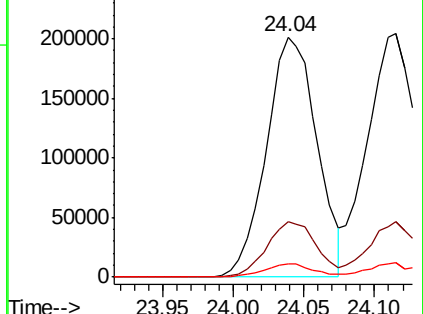
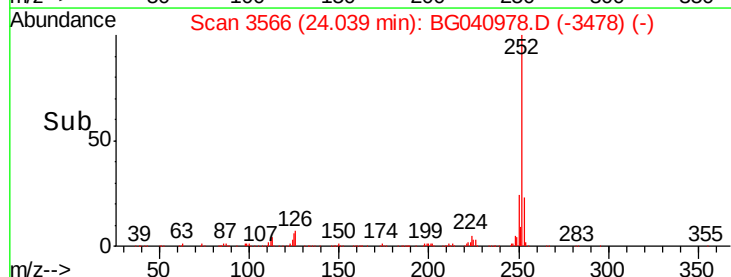
125 5.7 4.3 6.5

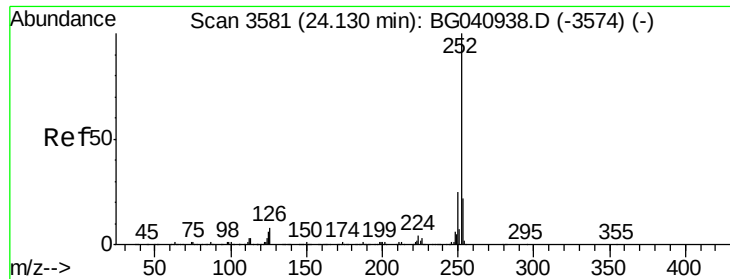


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 22.821 ng

RT: 24.12 min Scan# 3579

Delta R.T. -0.02 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

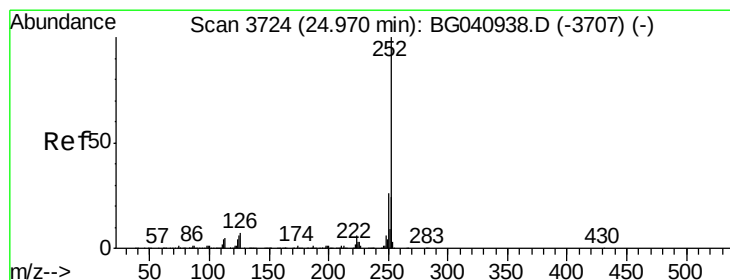
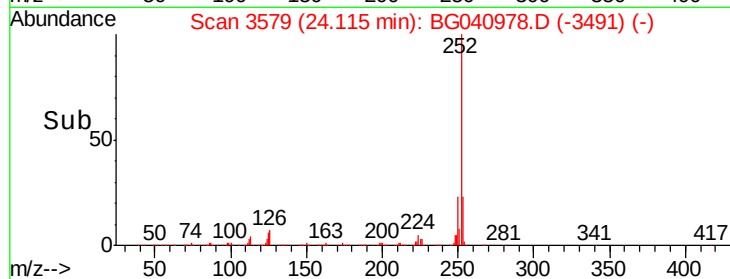
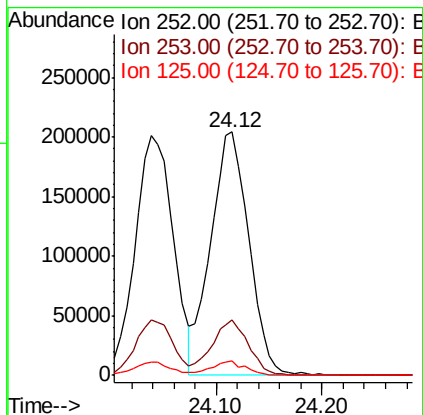
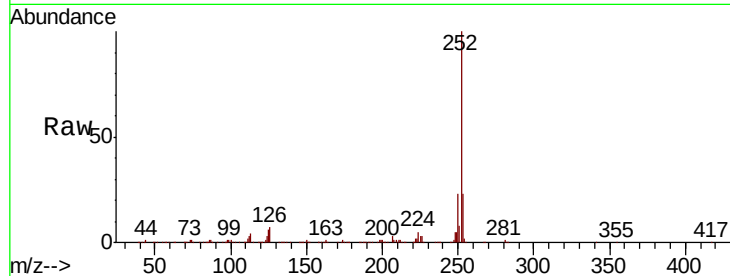
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tgt Ion:	252	Resp:	510561
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.8	26.6
125	5.8	4.7	7.1



#90

Benzo(a)pyrene

Concen: 22.869 ng

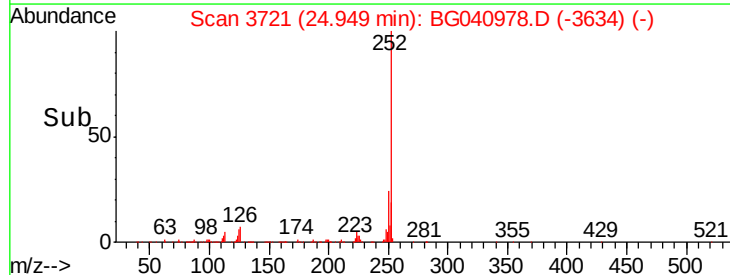
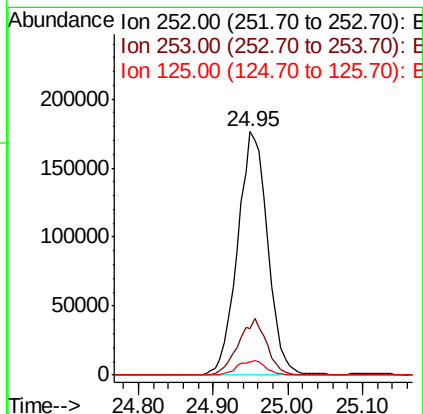
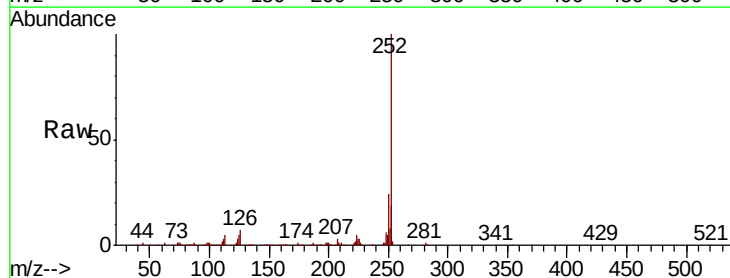
RT: 24.95 min Scan# 3721

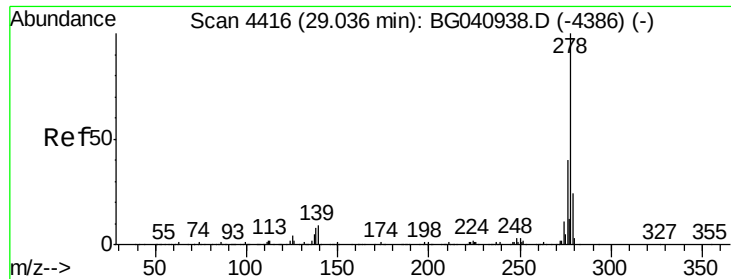
Delta R.T. -0.02 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Tgt Ion:	252	Resp:	493271
Ion Ratio	Lower	Upper	
252	100		
253	19.3	19.5	29.3#
125	5.5	5.1	7.7





#91

Dibenzo(a,h)anthracene

Concen: 22.247 ng

RT: 29.01 min Scan# 4412

Delta R.T. -0.03 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

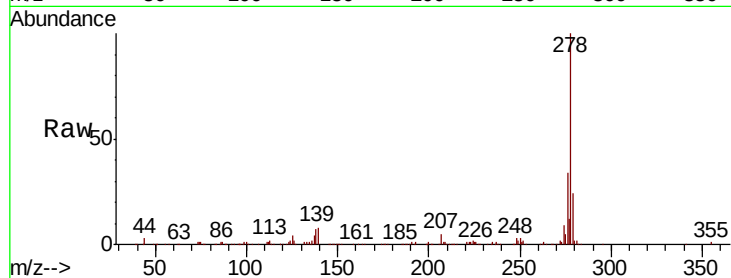
Tgt Ion:278 Resp: 479479

Ion Ratio Lower Upper

278 100

139 7.9 7.1 10.7

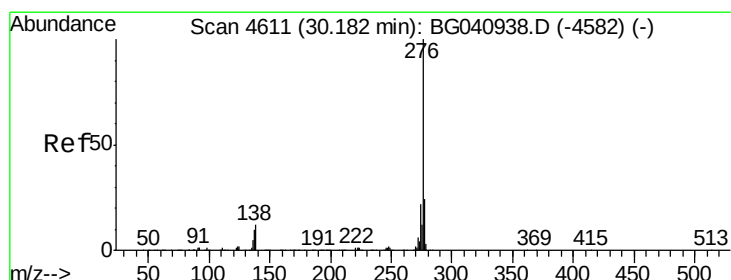
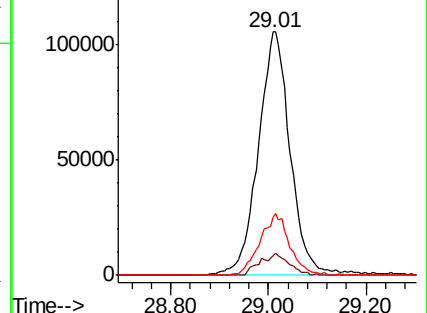
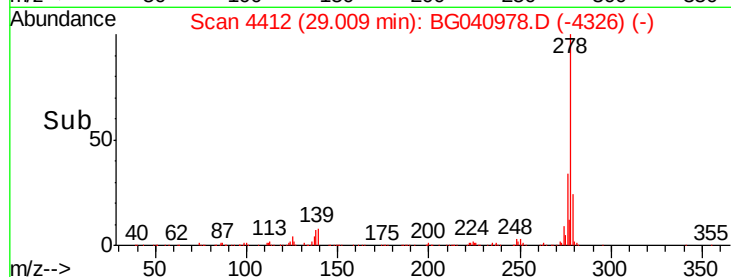
279 24.0 19.4 29.2



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



#92

Benzo(g,h,i)perylene

Concen: 23.268 ng

RT: 30.16 min Scan# 4607

Delta R.T. -0.03 min

Lab File: BG040978.D

Acq: 31 May 2019 14:41

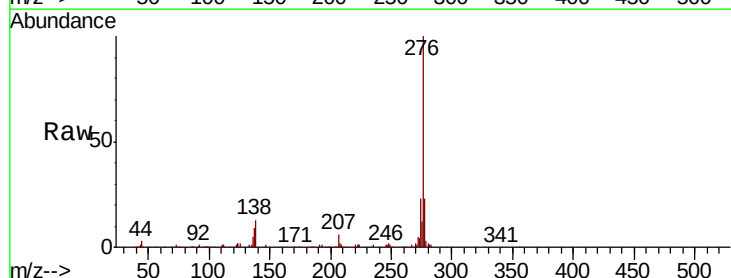
Tgt Ion:276 Resp: 487209

Ion Ratio Lower Upper

276 100

277 23.0 19.4 29.0

138 12.8 9.7 14.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

