

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037426.D
 Acq On : 18 Oct 2018 19:16
 Operator : JU/SJ
 Sample : J5164-02
 Misc : L00 20 PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Quant Time: Oct 19 06:59:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	53660	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	245926	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	162541	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	401881	20.00	ng	0.00
76) Chrysene-d12	21.77	240	366565	20.00	ng	0.00
87) Perylene-d12	25.10	264	375314	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	460280	143.41	ng	0.00
7) Phenol-d6	7.25	99	668638	137.77	ng	0.00
23) Nitrobenzene-d5	9.29	82	361496	82.34	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	251370	141.79	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	879572	81.60	ng	0.00
79) Terphenyl-d14	20.09	244	1353865	78.92	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.53	88	27702	17.019	ng	95
3) Pyridine	3.94	79	76686	18.693	ng	96
4) n-Nitrosodimethylamine	3.86	42	33520	22.939	ng	# 99
6) Aniline	7.43	93	93794	15.842	ng	96
8) 2-Chlorophenol	7.66	128	77312	20.590	ng	97
9) Benzaldehyde	7.25	77	53216	17.529	ng	98
10) Phenol	7.28	94	106475	20.793	ng	100
11) bis(2-Chloroethyl)ether	7.52	93	74837	19.242	ng	95
12) 1,3-Dichlorobenzene	7.99	146	80358	19.224	ng	98
13) 1,4-Dichlorobenzene	8.15	146	83479	19.524	ng	99
14) 1,2-Dichlorobenzene	8.46	146	77546	18.853	ng	97
15) Benzyl Alcohol	8.35	79	70857	19.759	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.63	45	138395	19.887	ng	98
17) 2-Methylphenol	8.53	107	71227	21.039	ng	95
18) Hexachloroethane	9.19	117	28352	19.450	ng	99
19) n-Nitroso-di-n-propylamine	8.91	70	63981	19.144	ng	99
20) 3+4-Methylphenols	8.86	107	99404	20.537	ng	96
22) Acetophenone	8.94	105	122569	19.873	ng	# 96
24) Nitrobenzene	9.33	77	90867	19.924	ng	94
25) Isophorone	9.84	82	177991	22.190	ng	95
26) 2-Nitrophenol	10.04	139	38849	18.909	ng	98
27) 2,4-Dimethylphenol	10.08	122	86576	23.601	ng	99
28) bis(2-Chloroethoxy)methane	10.33	93	110439	21.014	ng	95
29) 2,4-Dichlorophenol	10.56	162	85723	20.988	ng	100
30) 1,2,4-Trichlorobenzene	10.78	180	86768	19.535	ng	96
31) Naphthalene	10.98	128	258632	21.411	ng	99
32) Benzoic acid	10.16	122	37478	15.730	ng	98
33) 4-Chloroaniline	11.09	127	79378	13.986	ng	96
34) Hexachlorobutadiene	11.24	225	49654	18.863	ng	95
35) Caprolactam	11.86	113	31134	19.007	ng	98
36) 4-Chloro-3-methylphenol	12.19	107	93876	20.381	ng	96
37) 2-Methylnaphthalene	12.58	142	198845	22.582	ng	97
38) 1-Methylnaphthalene	12.79	142	188448	22.038	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	101317	19.325	ng	98

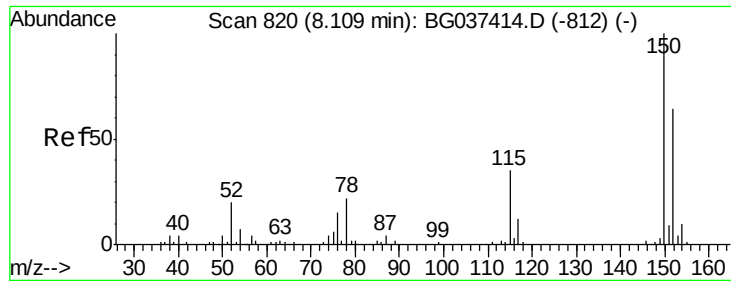
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037426.D
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 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	55542	22.178	ng	98
43) 2,4,6-Trichlorophenol	13.17	196	70807	20.215	ng	97
44) 2,4,5-Trichlorophenol	13.24	196	78274	20.525	ng	97
46) 1,1'-Biphenyl	13.58	154	252825	18.782	ng	99
47) 2-Chloronaphthalene	13.62	162	204735	20.104	ng	98
48) 2-Nitroaniline	13.83	65	60631	19.632	ng	92
49) Acenaphthylene	14.47	152	342932	22.385	ng	99
50) Dimethylphthalate	14.19	163	271195	21.567	ng	99
51) 2,6-Dinitrotoluene	14.32	165	58013	20.855	ng	95
52) Acenaphthene	14.80	154	198803	21.071	ng	99
53) 3-Nitroaniline	14.65	138	53240	17.240	ng	95
54) 2,4-Dinitrophenol	14.85	184	9549	18.893	ng	91
55) Dibenzofuran	15.14	168	328687	21.027	ng	100
56) 4-Nitrophenol	14.93	139	45136	19.746	ng	98
57) 2,4-Dinitrotoluene	15.10	165	78268	21.435	ng	97
58) Fluorene	15.78	166	263710	22.528	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.36	232	70114	21.473	ng	99
60) Diethylphthalate	15.54	149	276815	21.443	ng	100
61) 4-Chlorophenyl-phenylether	15.77	204	134700	19.742	ng	100
62) 4-Nitroaniline	15.81	138	63319	20.635	ng	97
63) Azobenzene	16.07	77	261519	21.232	ng	97
65) 4,6-Dinitro-2-methylphenol	15.86	198	26869	18.990	ng	96
66) n-Nitrosodiphenylamine	15.99	169	240551	19.899	ng	99
67) 4-Bromophenyl-phenylether	16.67	248	84530	19.153	ng	98
68) Hexachlorobenzene	16.78	284	85932	18.787	ng	98
69) Atrazine	16.93	200	88446	20.236	ng	98
70) Pentachlorophenol	17.12	266	42549	13.888	ng	94
71) Phenanthrene	17.53	178	448519	21.959	ng	97
72) Anthracene	17.62	178	456889	22.794	ng	99
73) Carbazole	17.89	167	408782	20.388	ng	99
74) Di-n-butylphthalate	18.43	149	479455	21.496	ng	99
75) Fluoranthene	19.53	202	528522	22.815	ng	99
77) Benzidine	19.72	184	83021	6.661	ng	96
78) Pyrene	19.90	202	530018	22.118	ng	97
80) Butylbenzylphthalate	20.77	149	203931	20.794	ng	97
81) Benzo(a)anthracene	21.75	228	480809	22.175	ng	99
82) 3,3'-Dichlorobenzidine	21.67	252	119317	14.198	ng	97
83) Chrysene	21.82	228	447275	21.453	ng	98
84) Bis(2-ethylhexyl)phthalate	21.63	149	282650	20.561	ng	99
85) Di-n-octyl phthalate	22.88	149	479474	21.390	ng	97
86) Indeno(1,2,3-cd)pyrene	28.93	276	464569	20.775	ng	99
88) Benzo(b)fluoranthene	24.03	252	463181	22.511	ng	97
89) Benzo(k)fluoranthene	24.11	252	448582	22.252	ng	99
90) Benzo(a)pyrene	24.94	252	439815	22.495	ng	99
91) Dibenzo(a,h)anthracene	29.00	278	382120	21.187	ng	97
92) Benzo(g,h,i)perylene	30.13	276	392226	21.496	ng	98

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

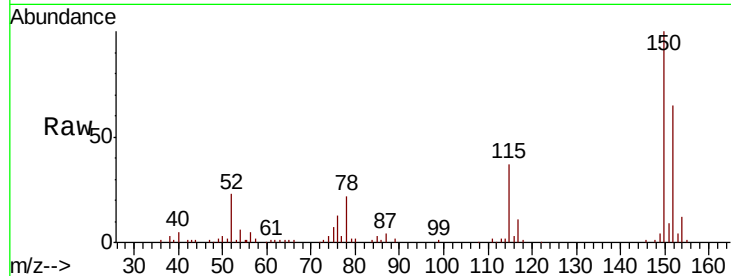


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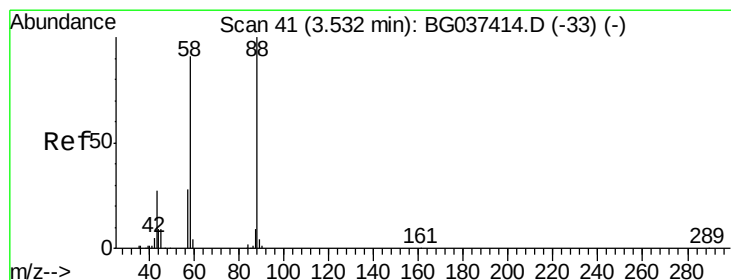
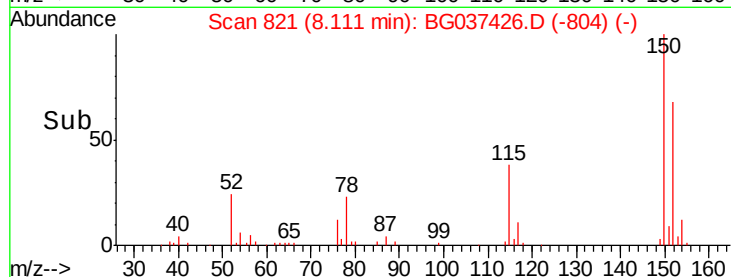
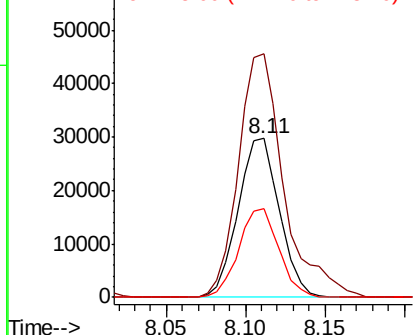
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. 0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tot Ion:152 Resp: 53660
Ion Ratio Lower Upper
152 100
150 153.4 126.0 189.0
115 56.1 45.5 68.3



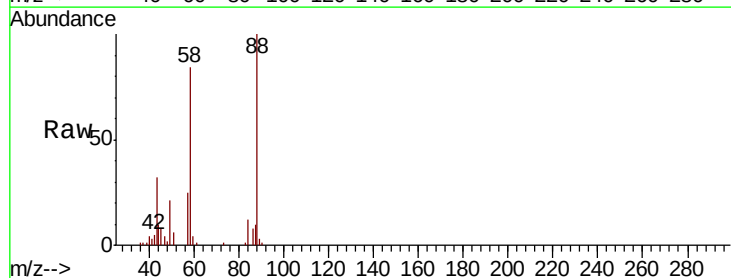
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



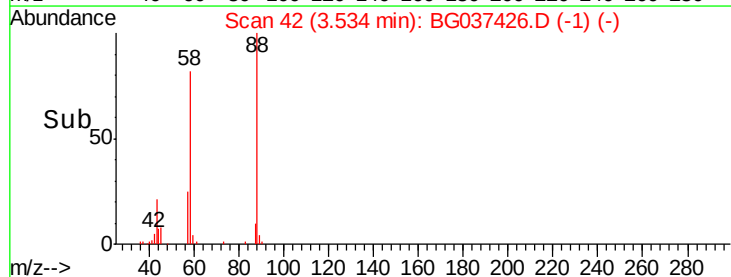
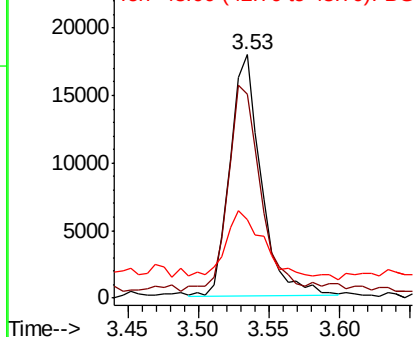
#2

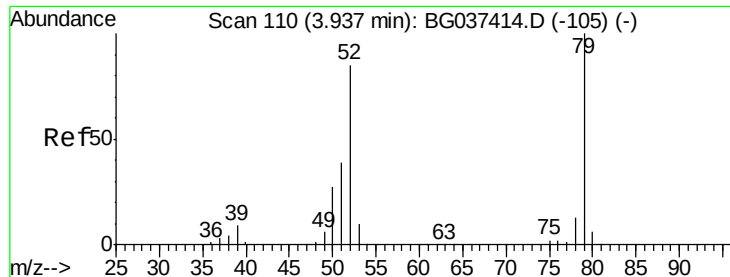
1,4-Dioxane
Concen: 17.019 ng
RT: 3.53 min Scan# 42
Delta R.T. 0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion: 88 Resp: 27702
Ion Ratio Lower Upper
88 100
58 88.2 74.4 111.6
43 35.3 25.8 38.8



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

Pvridine

Concen: 18.693 ng

RT: 3.94 min Scan# 111

Delta R.T. 0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

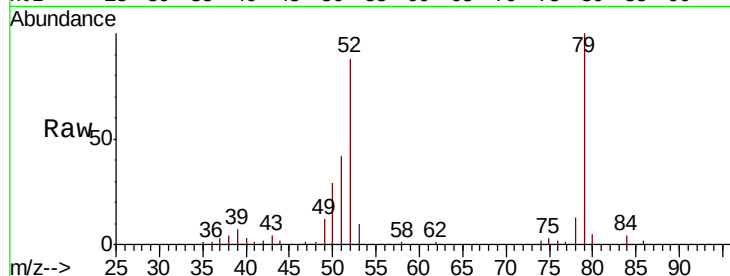
Tot Ion: 79 Resp: 76686

Ion Ratio Lower Upper

79 100

52 87.7 74.2 111.2

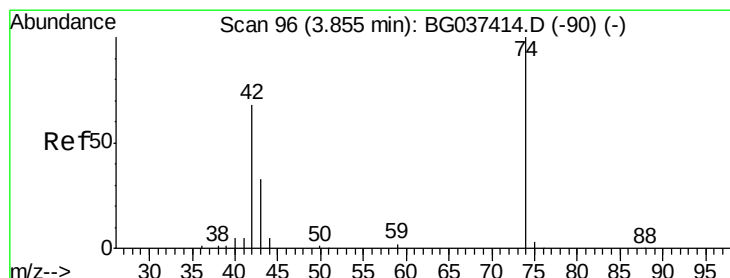
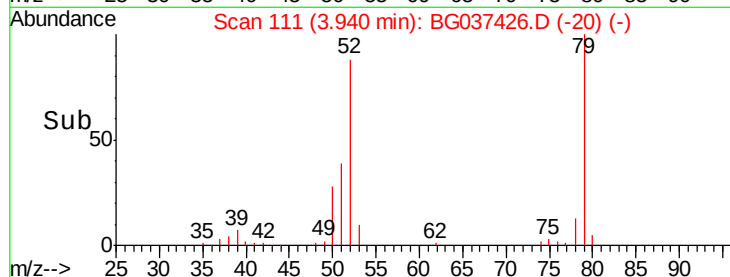
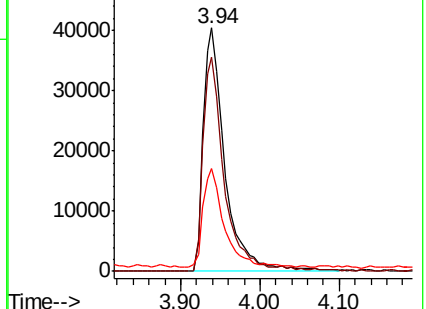
51 42.2 34.6 51.8



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: 22.939 ng

RT: 3.86 min Scan# 97

Delta R.T. 0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

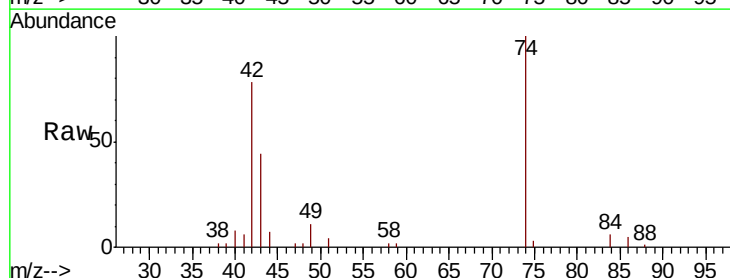
Tgt Ion: 42 Resp: 33520

Ion Ratio Lower Upper

42 100

74 127.7 102.0 153.0

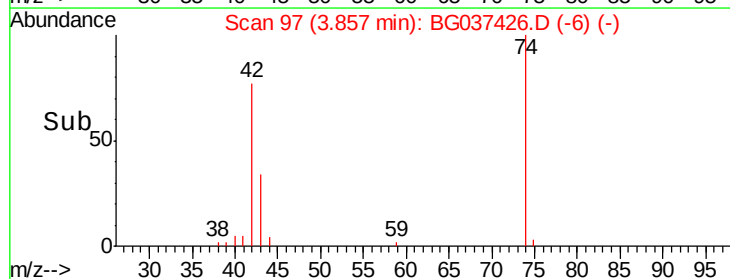
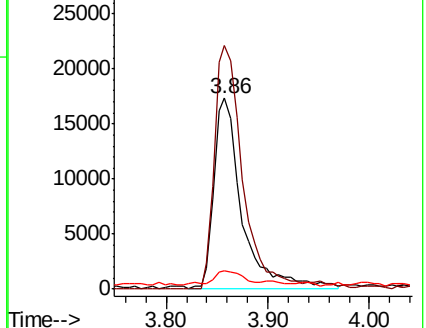
44 9.4 9.6 14.4#

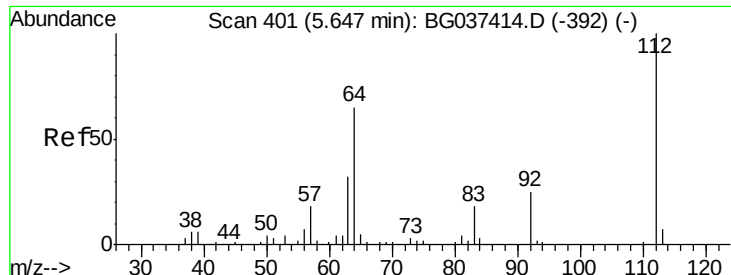


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 143.407 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

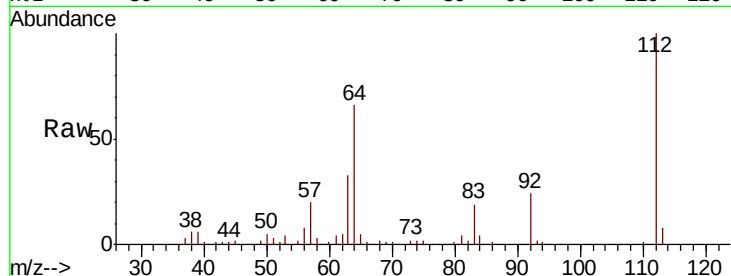
Tot Ion:112 Resp: 460280

Ion Ratio Lower Upper

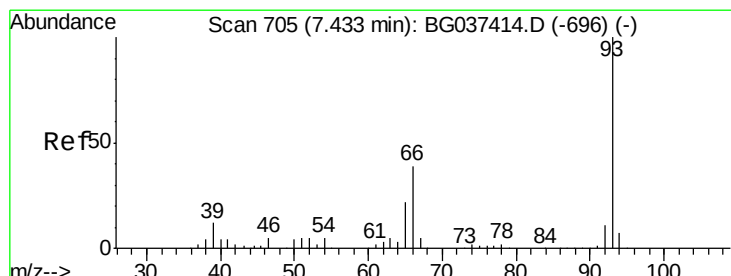
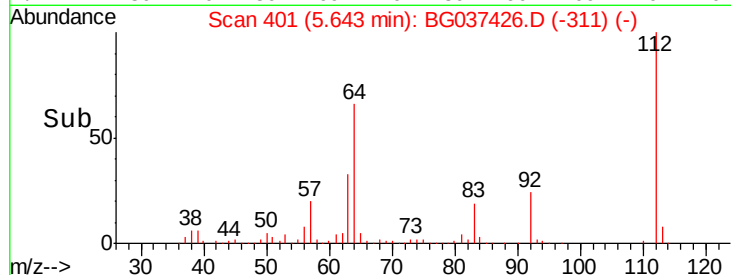
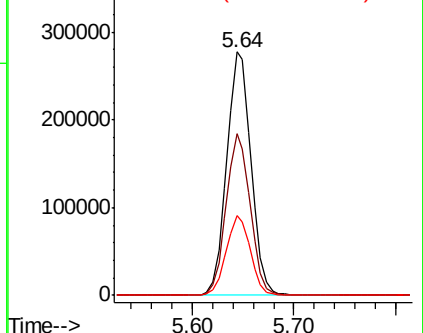
112 100

64 66.3 53.1 79.7

63 32.9 27.3 40.9



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: 15.842 ng

RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

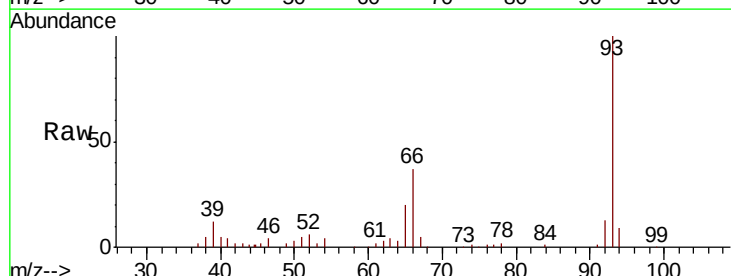
Tgt Ion: 93 Resp: 93794

Ion Ratio Lower Upper

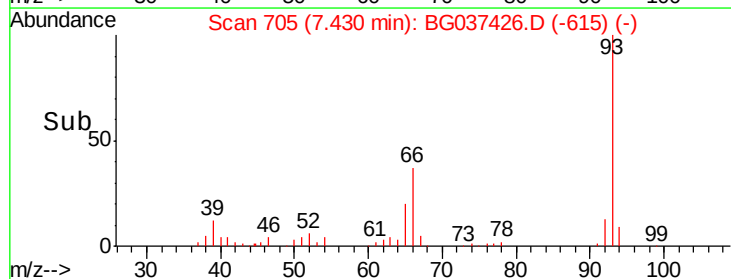
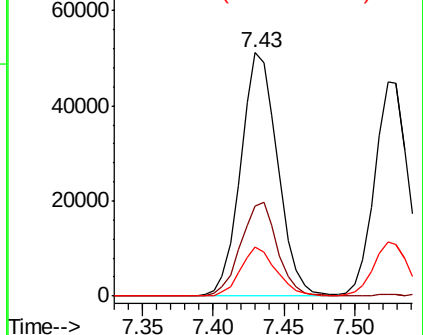
93 100

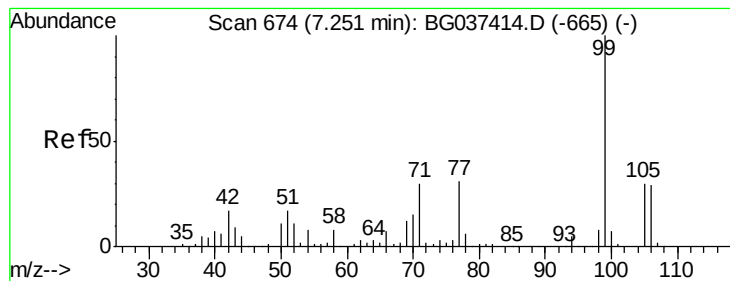
66 37.1 32.8 49.2

65 20.1 16.4 24.6



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: 137.769 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

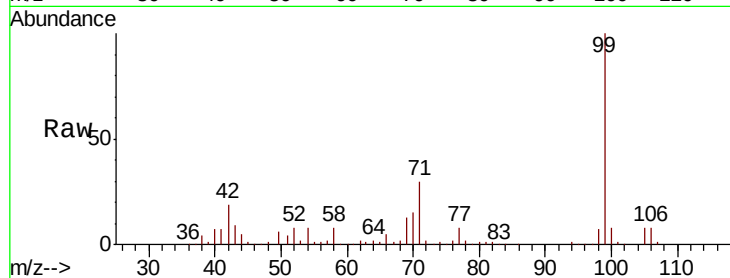
Tot Ion: 99 Resp: 668638

Ion Ratio Lower Upper

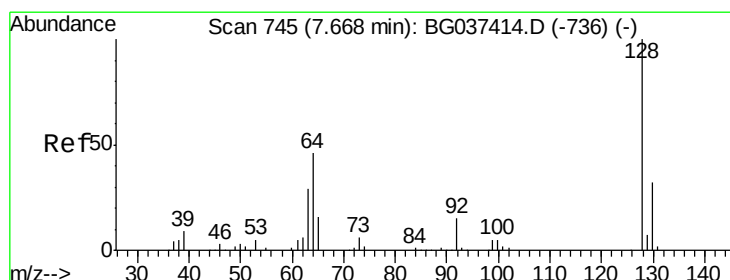
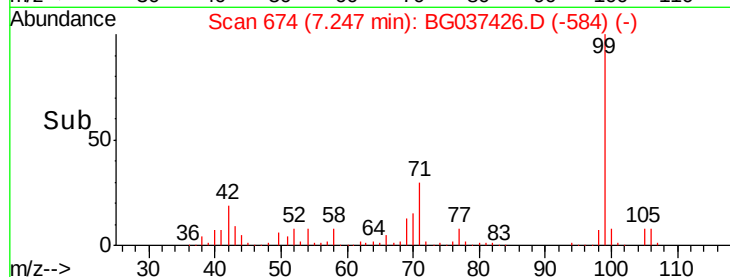
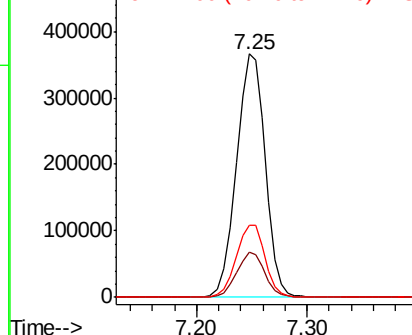
99 100

42 18.7 15.0 22.4

71 29.7 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 20.590 ng

RT: 7.66 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

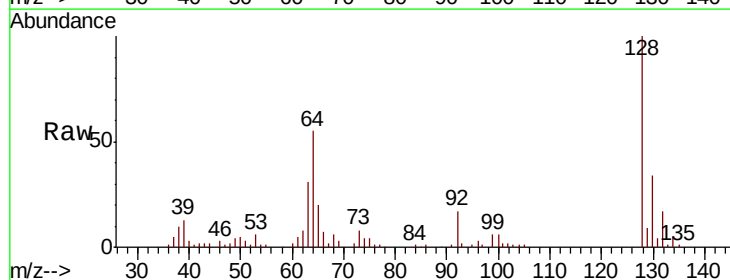
Tgt Ion: 128 Resp: 77312

Ion Ratio Lower Upper

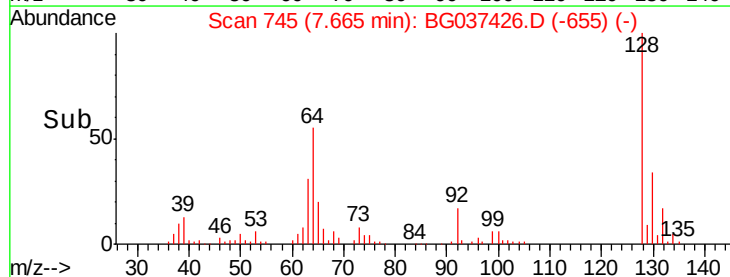
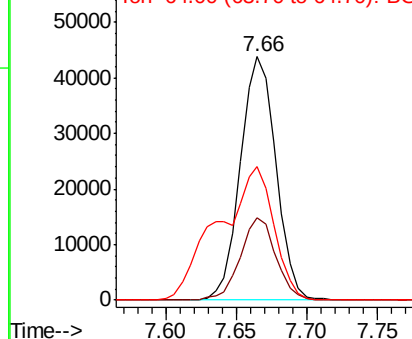
128 100

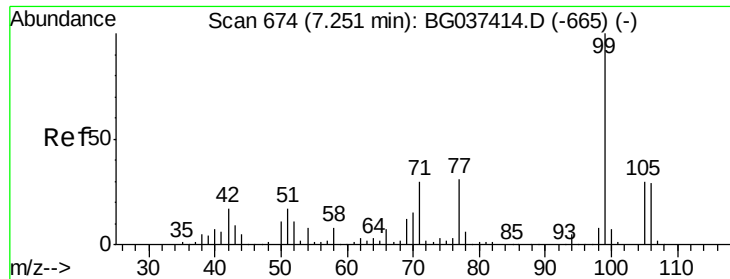
130 33.8 12.0 52.0

64 55.0 32.9 72.9



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





#9

Benzaldehyde

Concen: 17.529 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

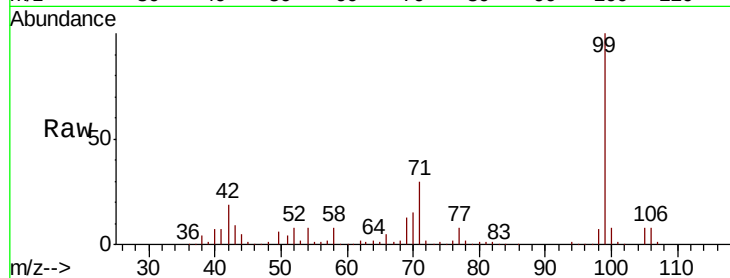
Tot Ion: 77 Resp: 53216

Ion Ratio Lower Upper

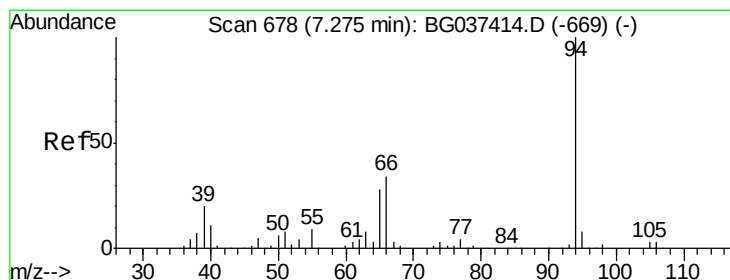
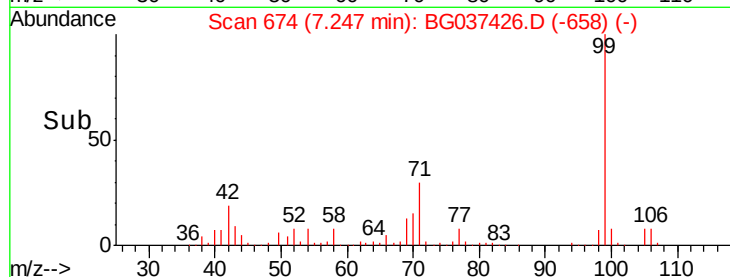
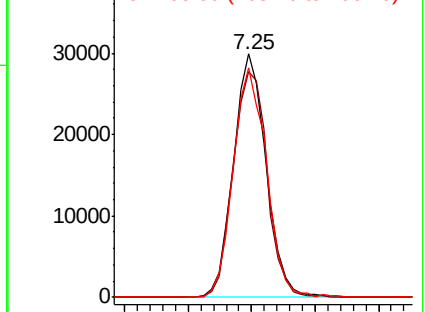
77 100

105 92.9 72.6 112.6

106 94.5 71.3 111.3



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 20.793 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

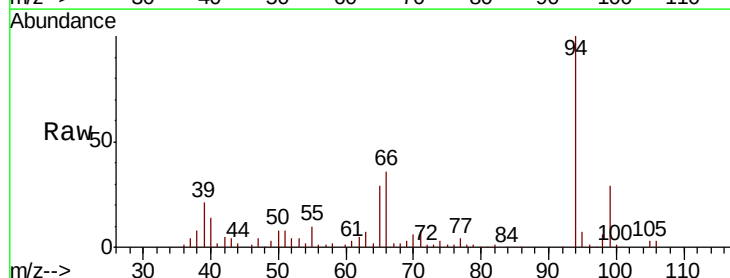
Tgt Ion: 94 Resp: 106475

Ion Ratio Lower Upper

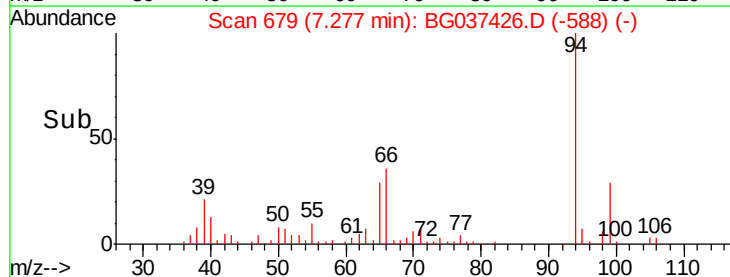
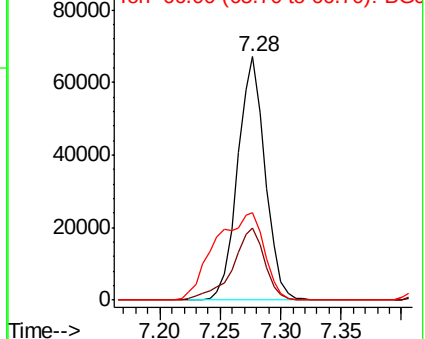
94 100

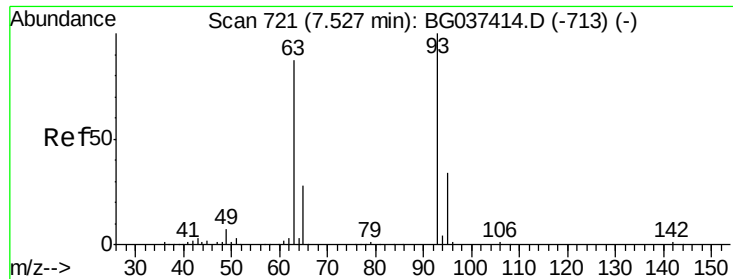
65 29.5 9.7 49.7

66 35.9 15.9 55.9



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





#11

bis(2-Chloroethyl)ether

Concen: 19.242 ng

RT: 7.52 min Scan# 721

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

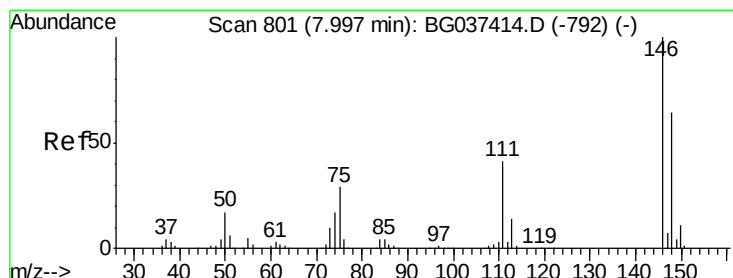
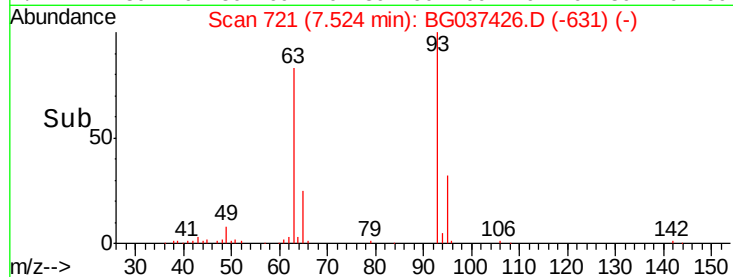
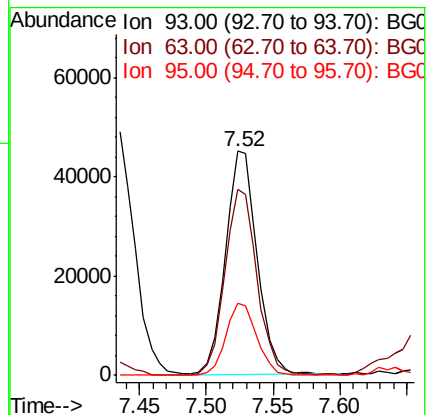
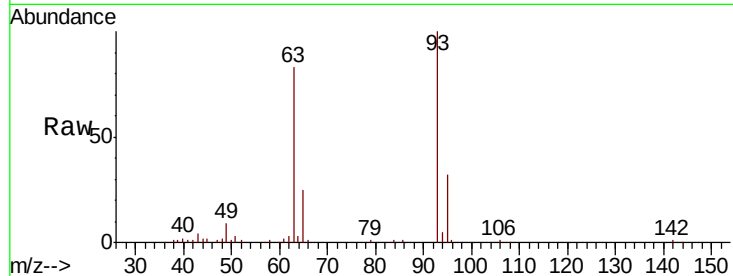
Tot Ion: 93 Resp: 74837

Ion Ratio Lower Upper

93 100

63 82.9 69.5 109.5

95 32.5 12.6 52.6



#12

1,3-Dichlorobenzene

Concen: 19.224 ng

RT: 7.99 min Scan# 801

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

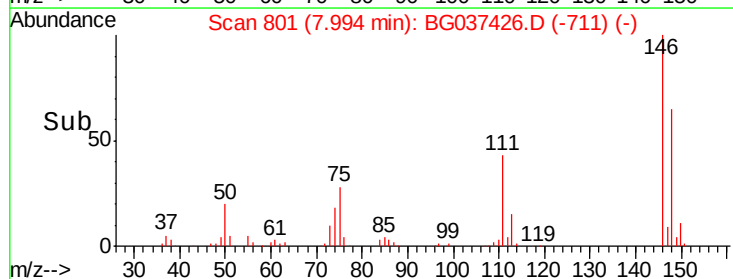
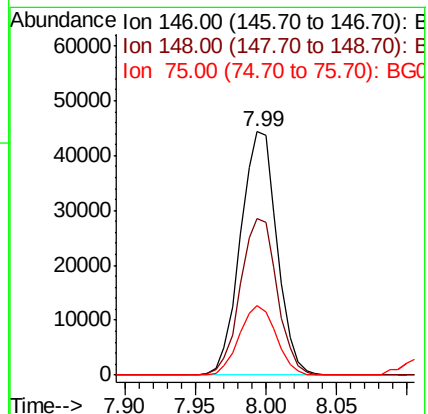
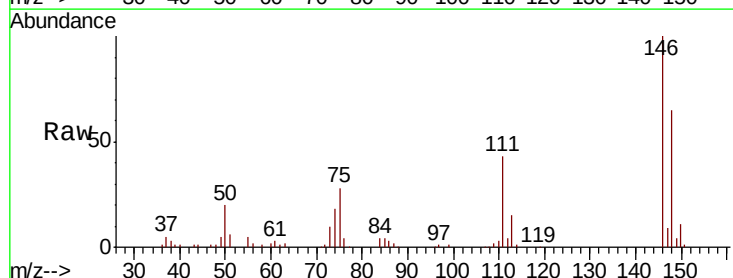
Tgt Ion: 146 Resp: 80358

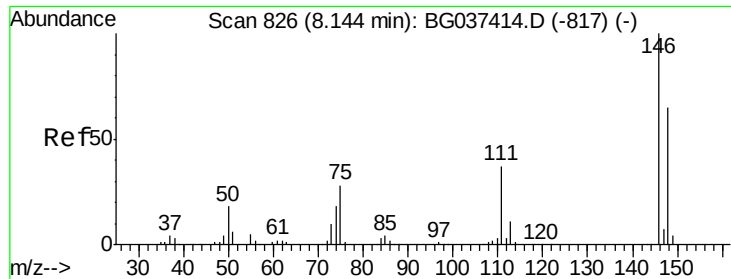
Ion Ratio Lower Upper

146 100

148 64.5 49.8 74.8

75 28.4 23.2 34.8

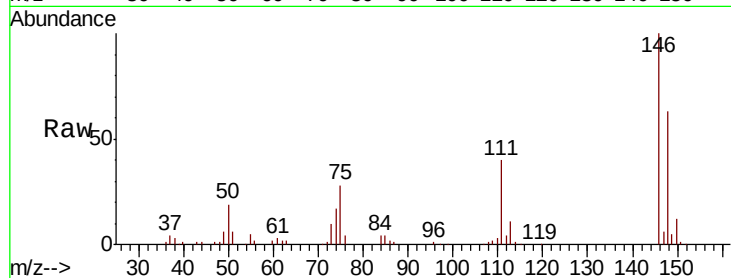




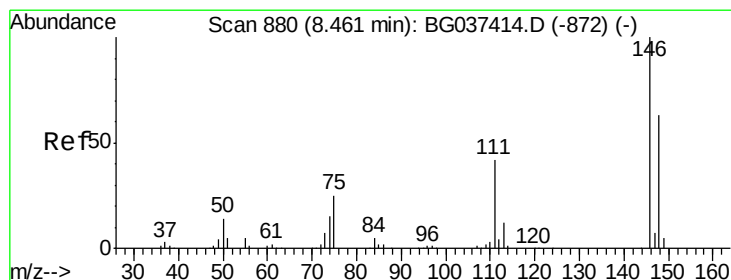
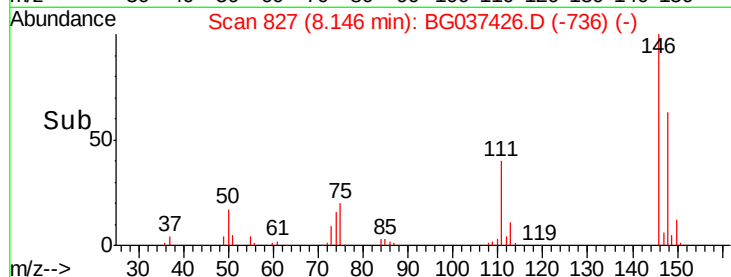
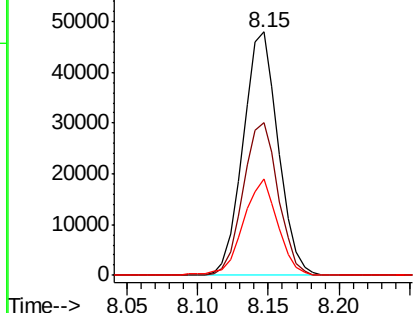
#13
 1,4-Dichlorobenzene
 Concen: 19.524 ng
 RT: 8.15 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: BG037426.D
 Acq: 18 Oct 2018 19:16

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tot Ion:146 Resp: 83479
 Ion Ratio Lower Upper
 146 100
 148 63.0 51.0 76.6
 111 39.6 32.4 48.6

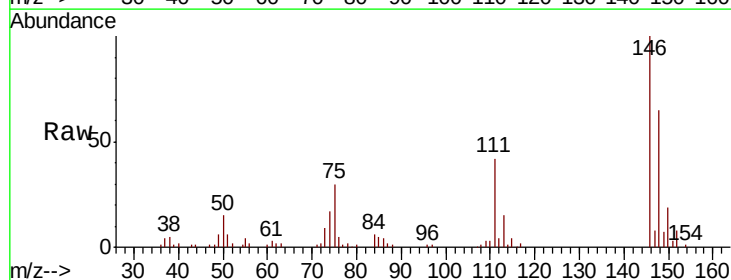


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

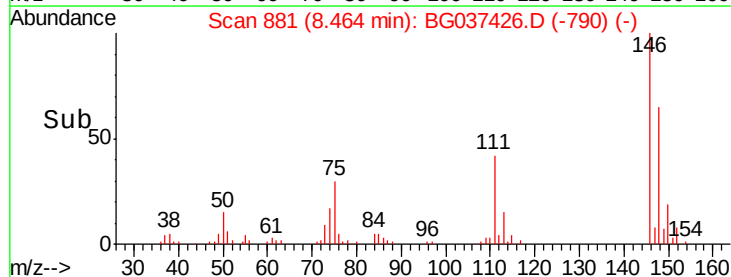
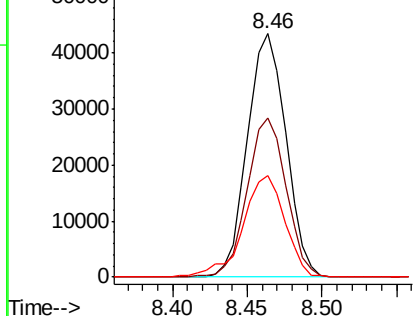


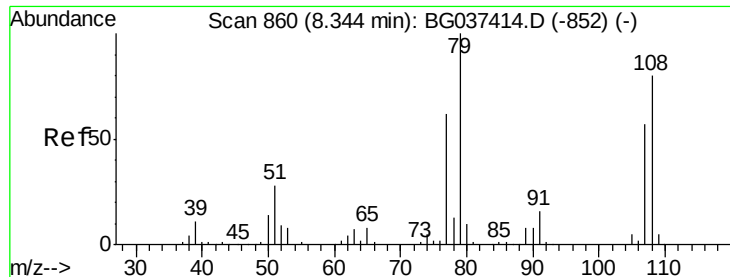
#14
 1,2-Dichlorobenzene
 Concen: 18.853 ng
 RT: 8.46 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BG037426.D
 Acq: 18 Oct 2018 19:16

Tgt Ion:146 Resp: 77546
 Ion Ratio Lower Upper
 146 100
 148 65.4 50.4 75.6
 111 41.6 34.6 51.8



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





#15

Benzyl Alcohol

Concen: 19.759 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

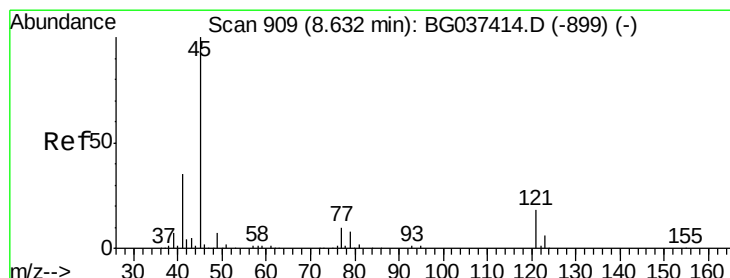
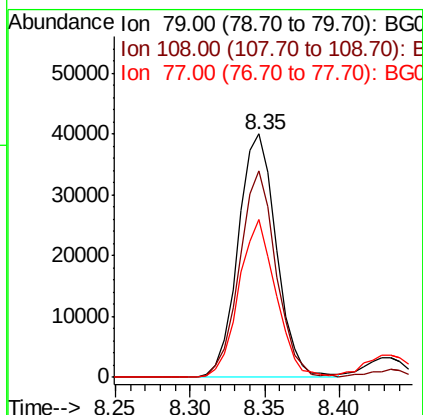
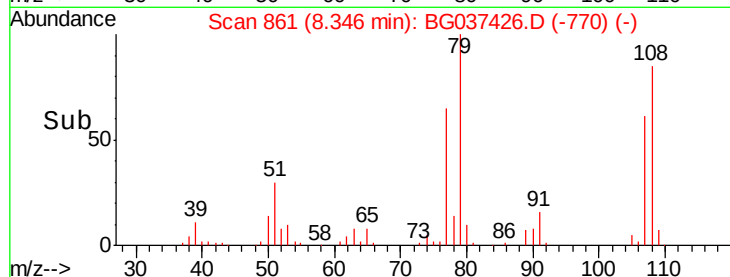
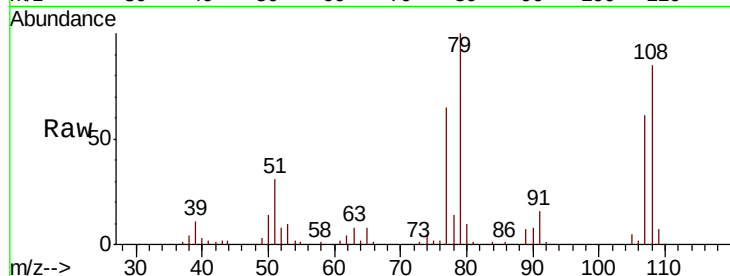
Tot Ion: 79 Resp: 70857

Ion Ratio Lower Upper

79 100

108 84.8 65.8 98.8

77 64.9 52.9 79.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 19.887 ng

RT: 8.63 min Scan# 910

Delta R.T. 0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

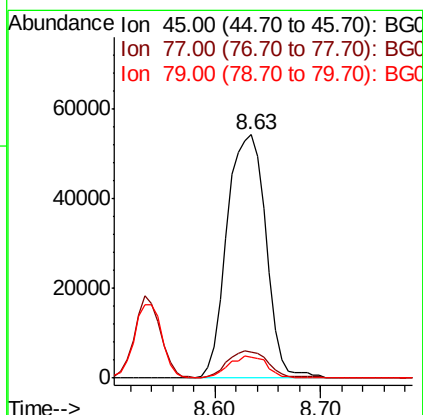
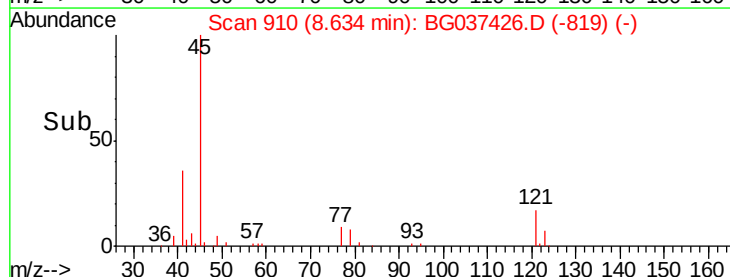
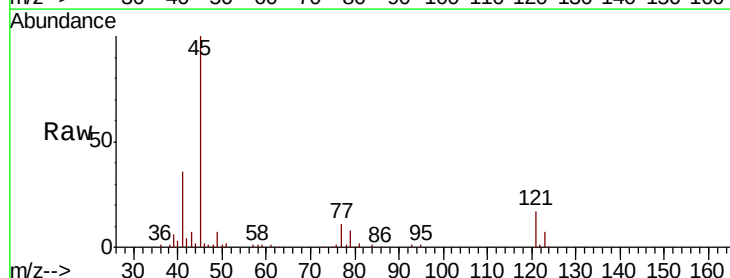
Tgt Ion: 45 Resp: 138395

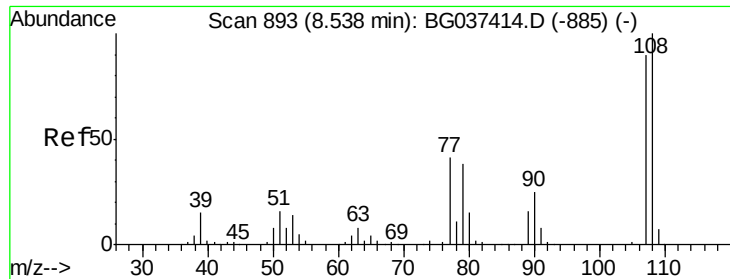
Ion Ratio Lower Upper

45 100

77 10.9 0.0 30.0

79 8.5 0.0 29.0

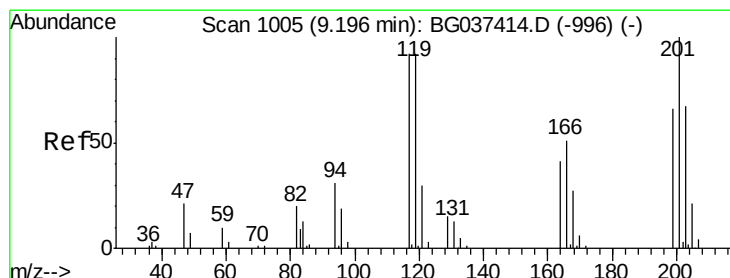
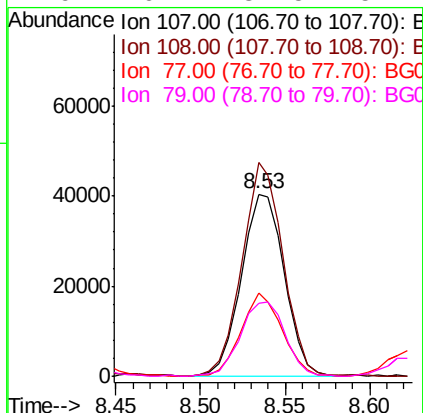
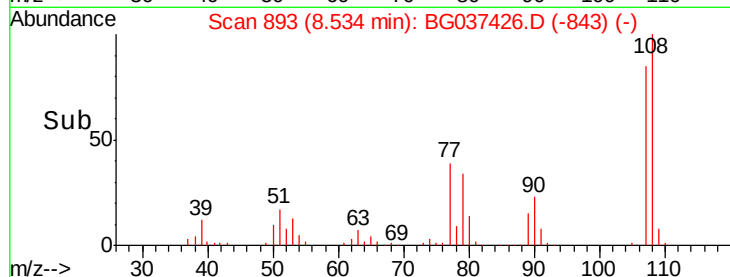
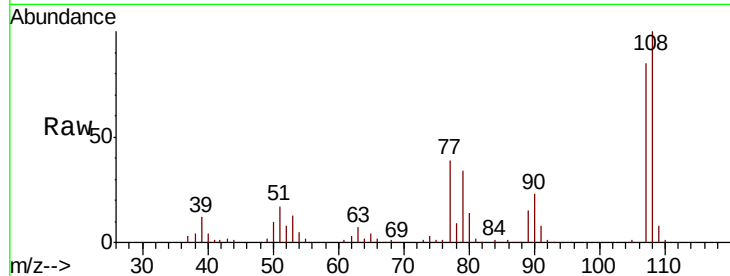




#17
2-Methylphenol
Concen: 21.039 ng
RT: 8.53 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

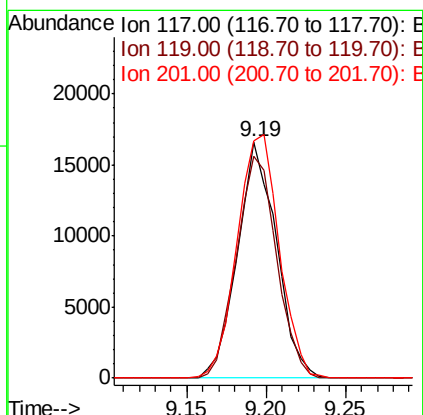
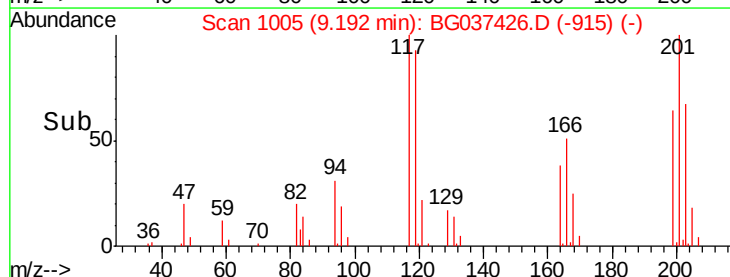
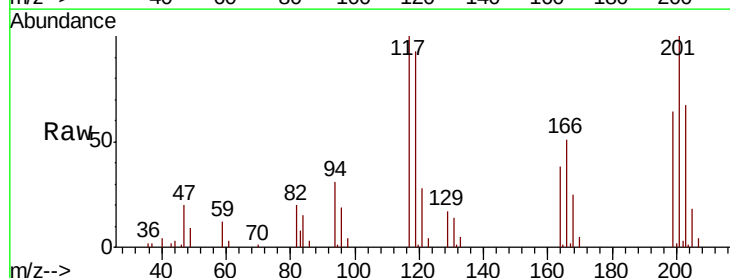
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

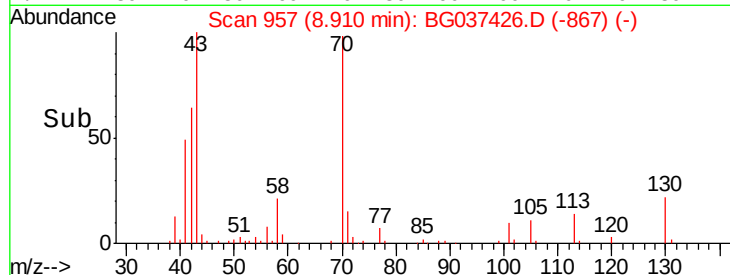
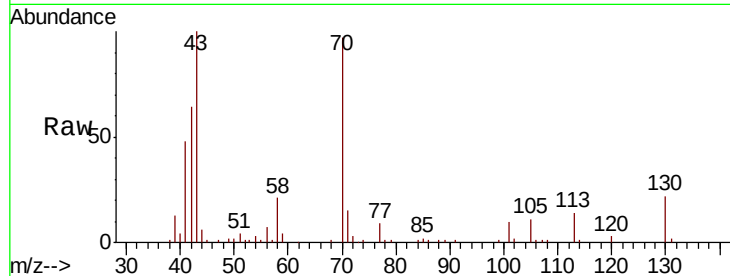
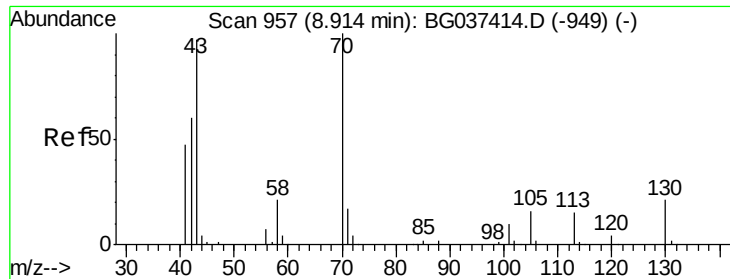
Tot Ion:107 Resp: 71227
Ion Ratio Lower Upper
107 100
108 117.3 87.9 131.9
77 45.5 35.1 52.7
79 40.4 34.5 51.7



#18
Hexachloroethane
Concen: 19.450 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion:117 Resp: 28352
Ion Ratio Lower Upper
117 100
119 93.8 74.6 111.8
201 100.4 80.8 121.2

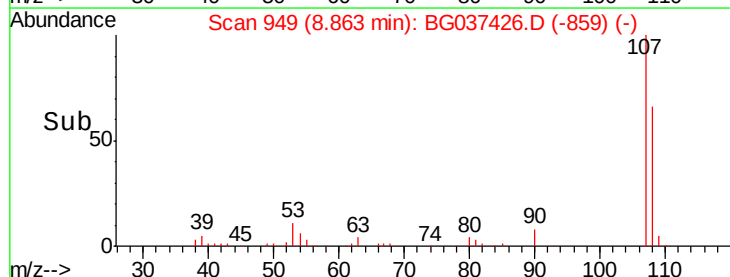
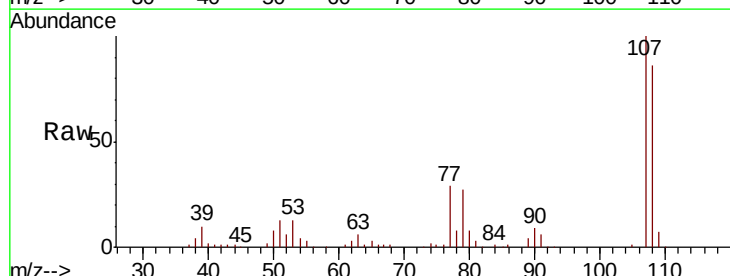
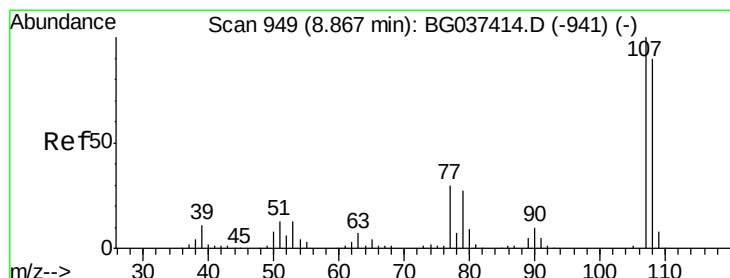
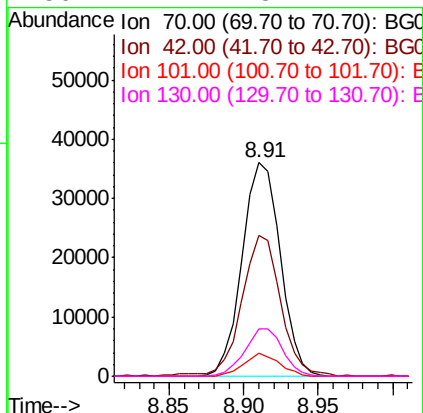




#19
n-Nitroso-di-n-propylamine
Concen: 19.144 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

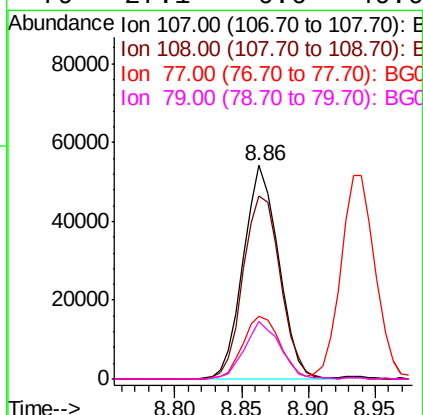
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

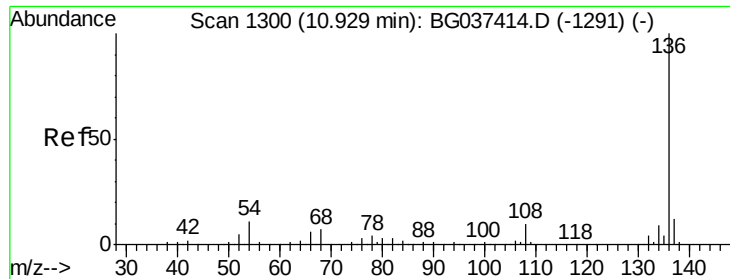
Tot Ion:	70	Resp:	63981
Ion	Ratio	Lower	Upper
70	100		
42	66.0	53.9	80.9
101	10.6	8.2	12.2
130	22.4	18.2	27.4



#20
3+4-Methylphenols
Concen: 20.537 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion:	107	Resp:	99404
Ion	Ratio	Lower	Upper
107	100		
108	85.7	69.9	109.9
77	29.1	11.2	51.2
79	27.1	6.6	46.6

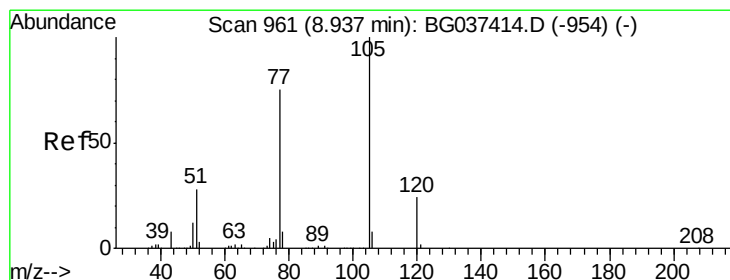
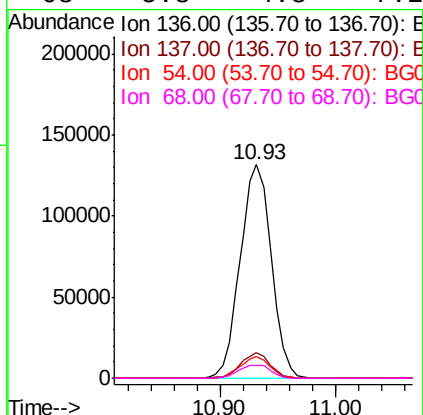
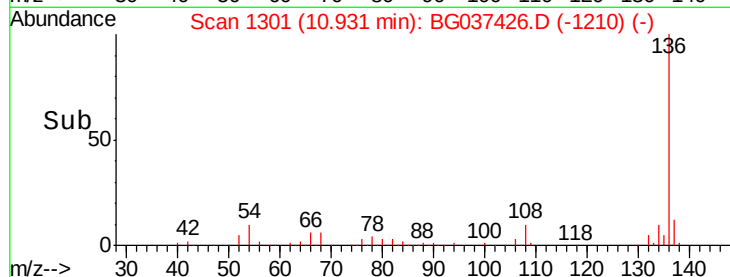
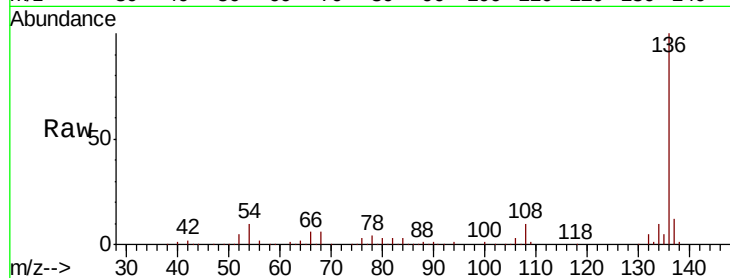




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

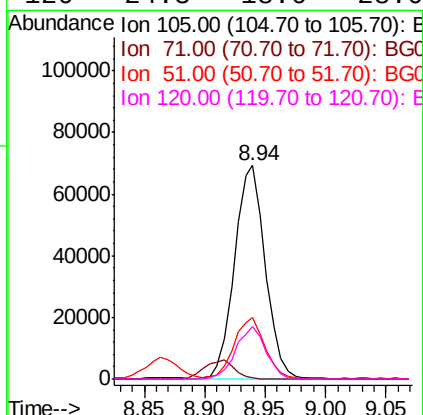
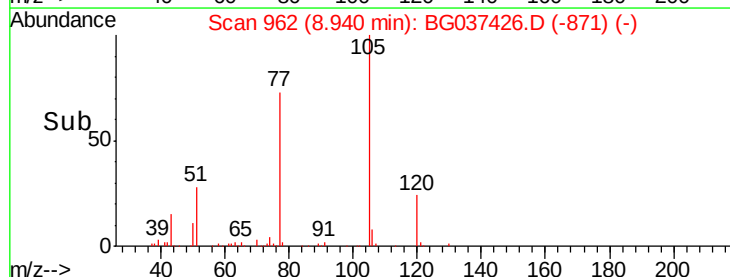
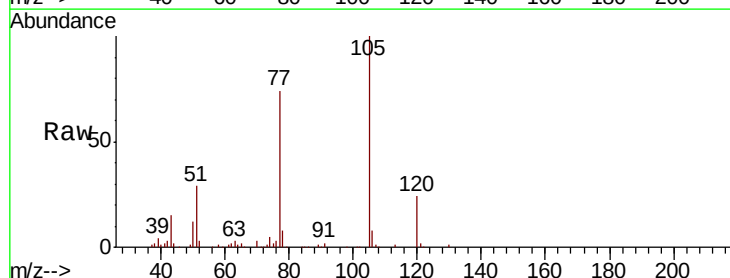
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

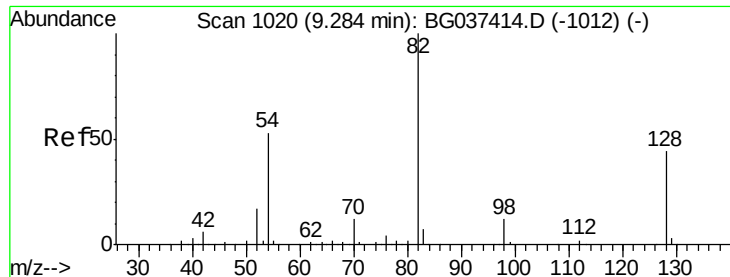
Tot Ion:136	Resp:	245926
Ion Ratio	Lower	Upper
136	100	
137	11.7	9.6 14.4
54	10.1	7.9 11.9
68	5.8	4.8 7.2



#22
Acetophenone
Concen: 19.873 ng
RT: 8.94 min Scan# 962
Delta R.T. 0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion:105	Resp:	122569
Ion Ratio	Lower	Upper
105	100	
71	0.5	1.2 1.8#
51	28.6	25.0 37.6
120	24.3	18.6 28.0

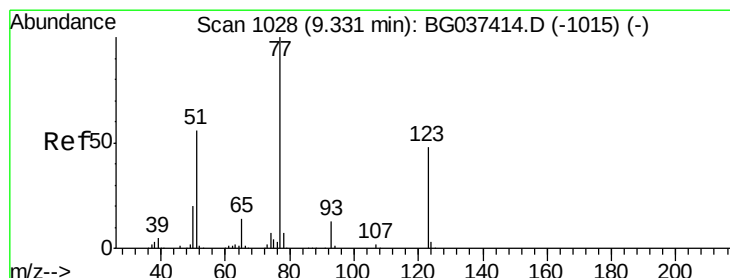
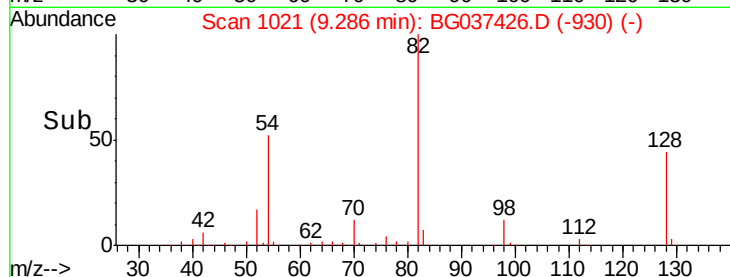
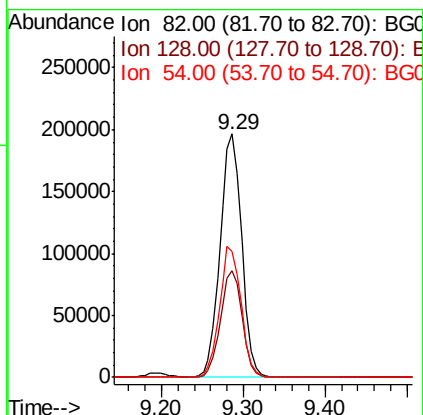
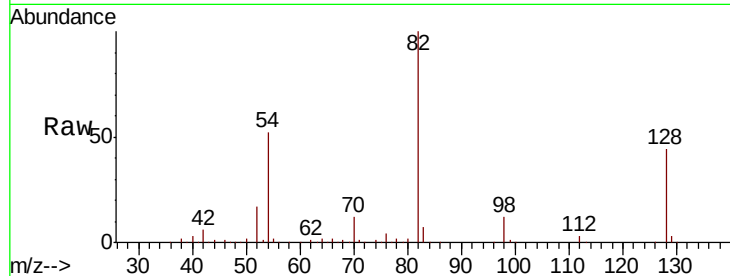




#23
 Nitrobenzene-d5
 Concen: 82.344 ng
 RT: 9.29 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG037426.D
 Acq: 18 Oct 2018 19:16

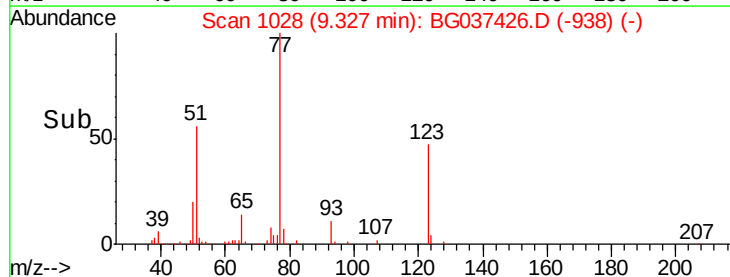
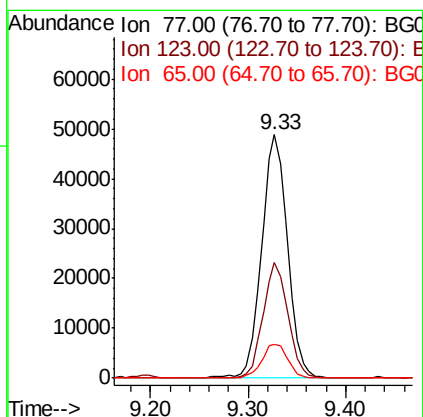
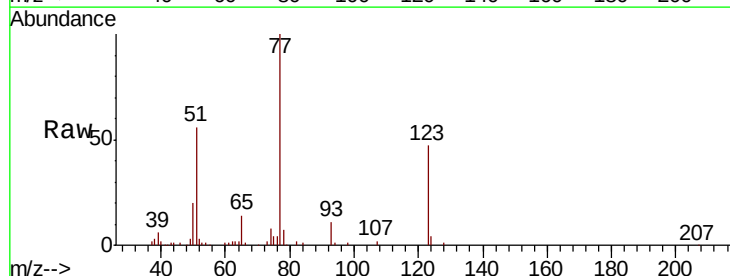
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

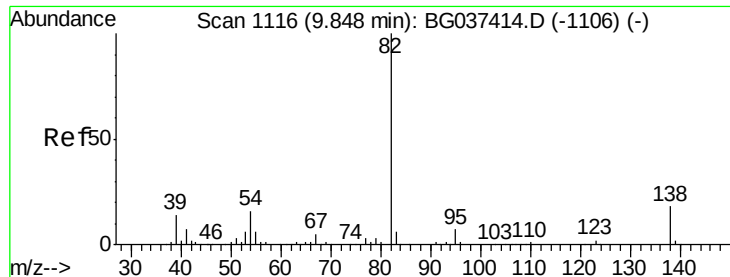
Tot Ion	82	Resp	361496
Ion Ratio	Lower	Upper	
82	100		
128	43.6	34.6	51.8
54	51.7	45.3	67.9



#24
 Nitrobenzene
 Concen: 19.924 ng
 RT: 9.33 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG037426.D
 Acq: 18 Oct 2018 19:16

Tgt Ion	77	Resp	90867
Ion Ratio	Lower	Upper	
77	100		
123	47.4	33.6	50.4
65	14.0	11.3	16.9





#25

Isophorone

Concen: 22.190 ng

RT: 9.84 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

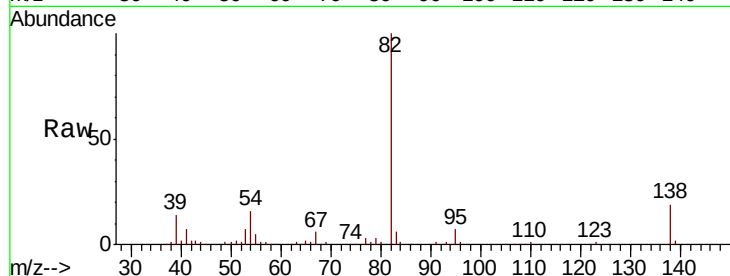
Tot Ion: 82 Resp: 177991

Ion Ratio Lower Upper

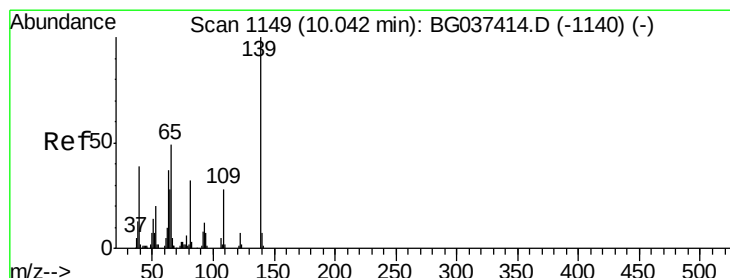
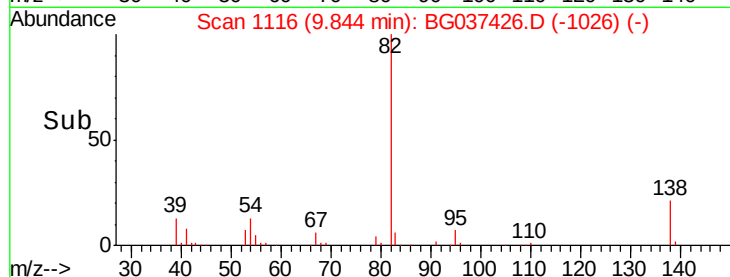
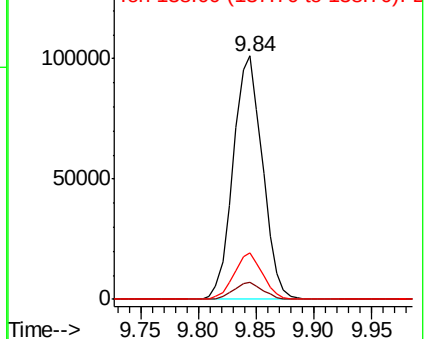
82 100

95 6.7 5.3 7.9

138 19.3 13.3 19.9



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



#26

2-Nitrophenol

Concen: 18.909 ng

RT: 10.04 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

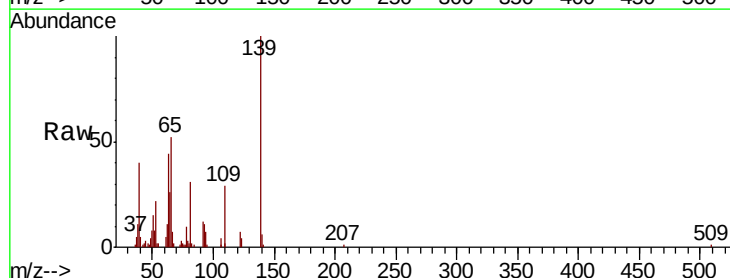
Tgt Ion: 139 Resp: 38849

Ion Ratio Lower Upper

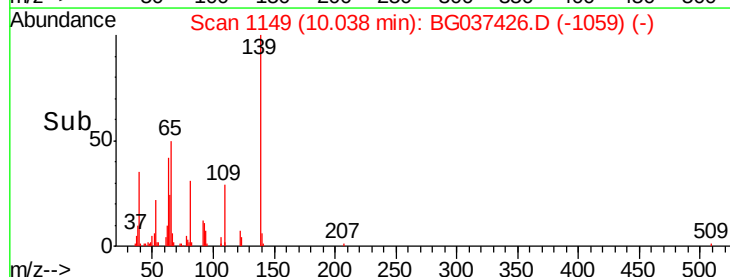
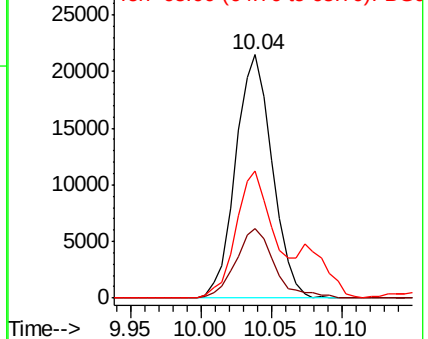
139 100

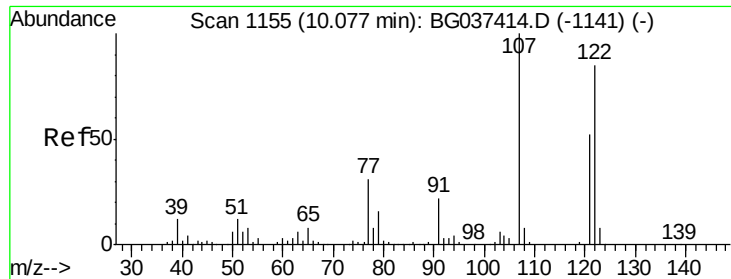
109 28.8 23.3 34.9

65 52.2 39.8 59.8



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

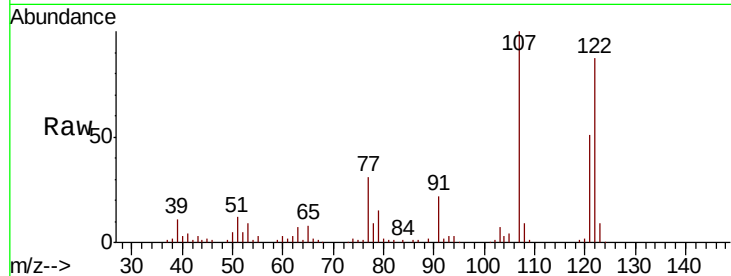




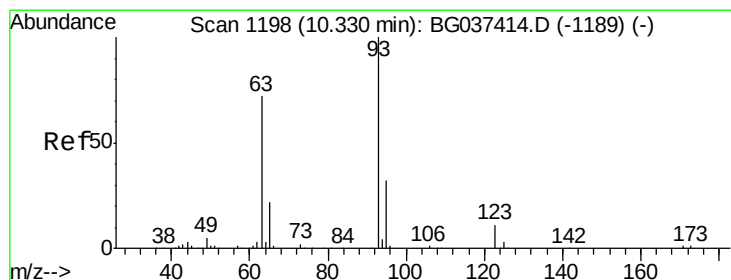
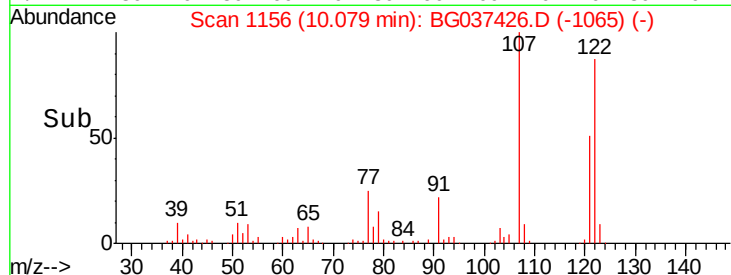
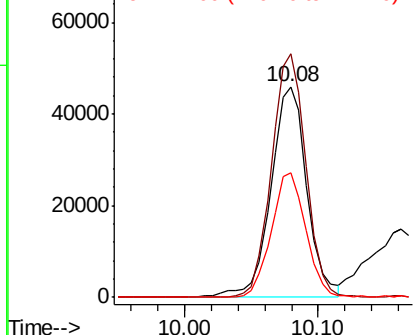
#27
 2,4-Dimethylphenol
 Concen: 23.601 ng
 RT: 10.08 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: BG037426.D
 Acq: 18 Oct 2018 19:16

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tot Ion: 122 Resp: 86576
 Ion Ratio Lower Upper
 122 100
 107 115.5 94.2 141.2
 121 59.4 47.3 70.9

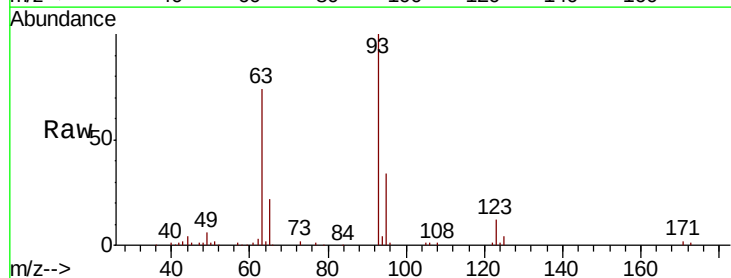


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

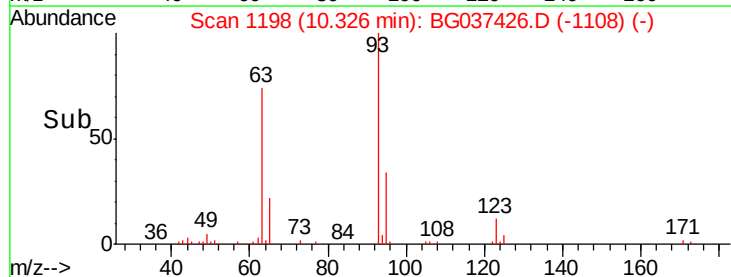
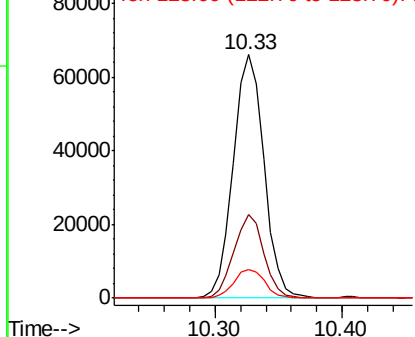


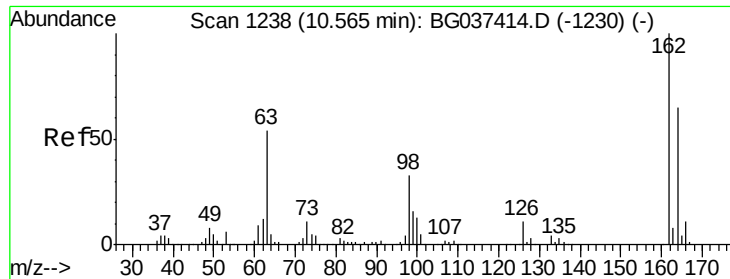
#28
 bis(2-Chloroethoxy)methane
 Concen: 21.014 ng
 RT: 10.33 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: BG037426.D
 Acq: 18 Oct 2018 19:16

Tgt Ion: 93 Resp: 110439
 Ion Ratio Lower Upper
 93 100
 95 34.4 24.6 37.0
 123 11.8 9.1 13.7



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: 20.988 ng

RT: 10.56 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

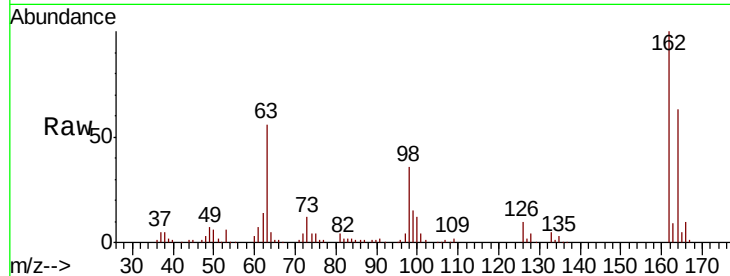
Tot Ion:162 Resp: 85723

Ion Ratio Lower Upper

162 100

164 63.5 43.2 83.2

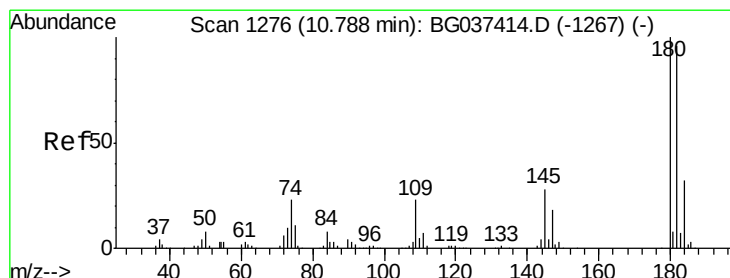
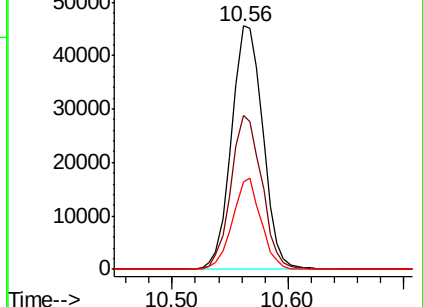
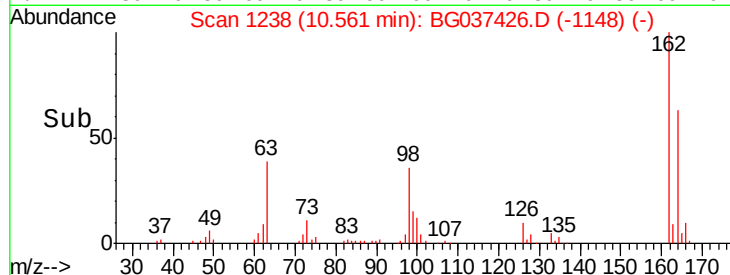
98 35.8 16.0 56.0



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30

1,2,4-Trichlorobenzene

Concen: 19.535 ng

RT: 10.78 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

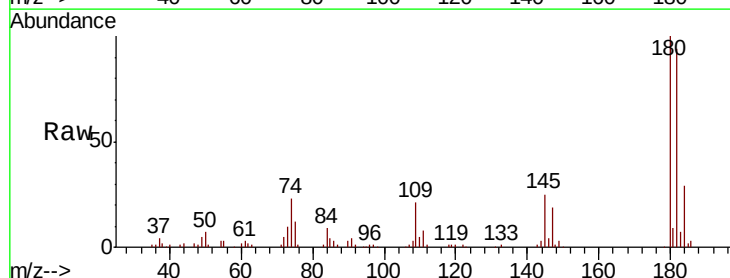
Tgt Ion:180 Resp: 86768

Ion Ratio Lower Upper

180 100

182 94.2 77.7 116.5

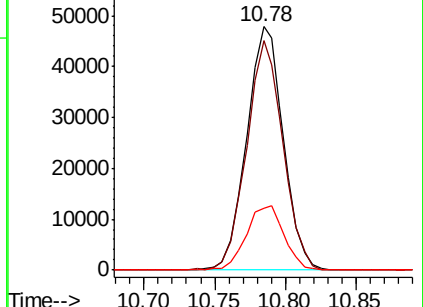
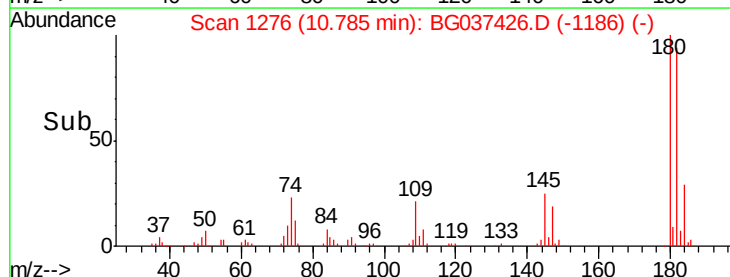
145 25.4 23.3 34.9

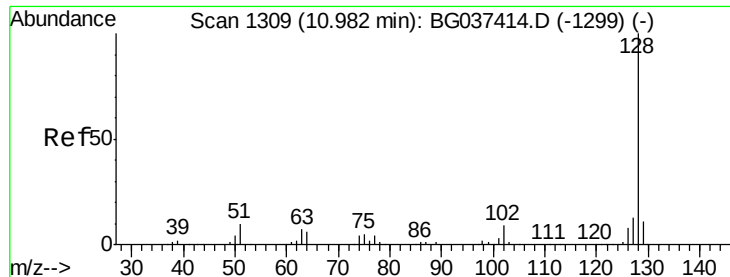


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

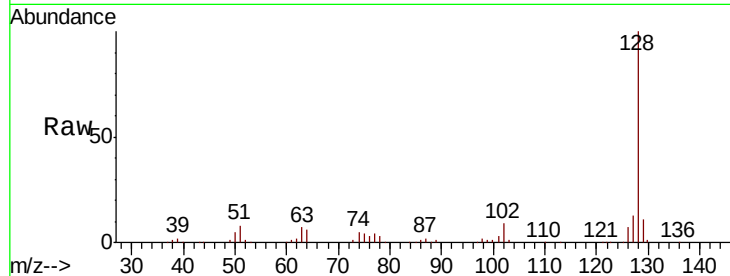




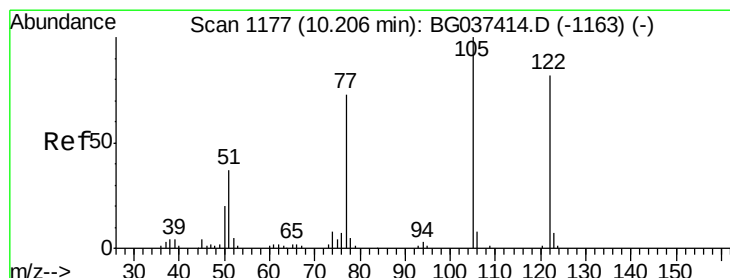
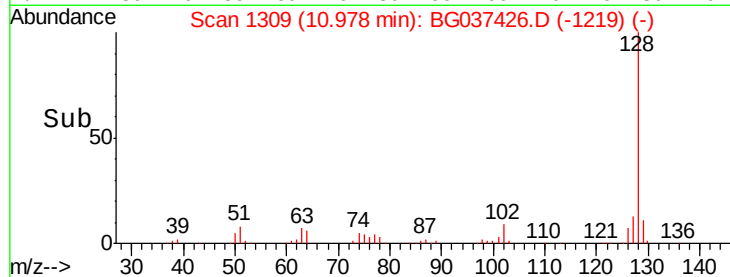
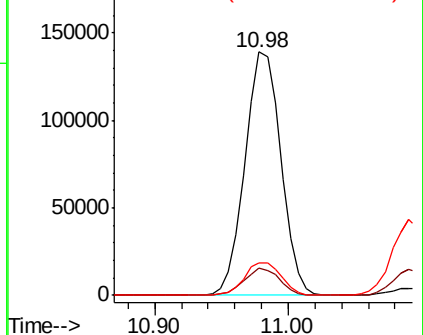
#31
Naphthalene
Concen: 21.411 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tot Ion:128 Resp: 258632
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.5 11.1 16.7

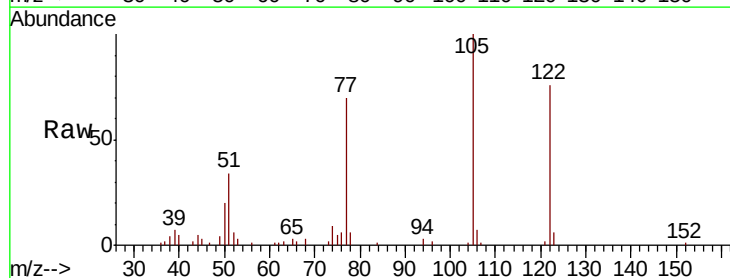


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

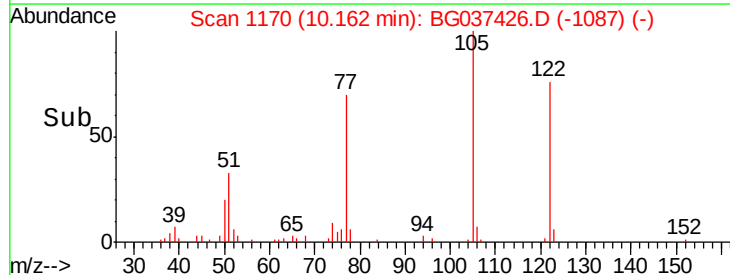
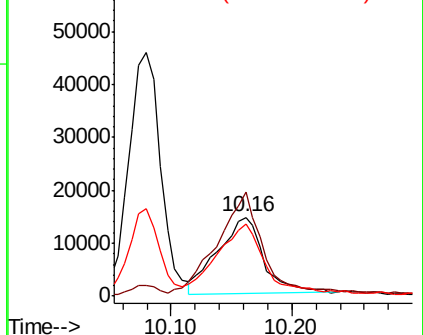


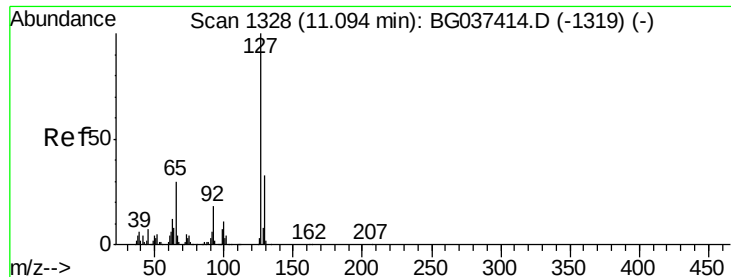
#32
Benzoic acid
Concen: 15.730 ng
RT: 10.16 min Scan# 1170
Delta R.T. -0.04 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion:122 Resp: 37478
Ion Ratio Lower Upper
122 100
105 131.3 106.7 146.7
77 91.8 72.2 112.2



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG

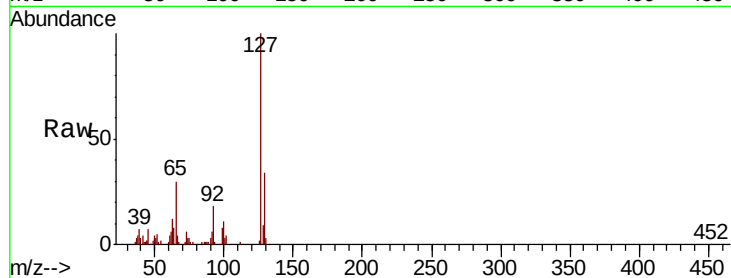




#33
4-Chloroaniline
Concen: 13.986 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tot Ion:127	Resp:	79378	
Ion Ratio	Lower	Upper	
127 100			
129 34.5	27.1	40.7	
65 29.8	26.6	39.8	
92 18.4	16.4	24.6	



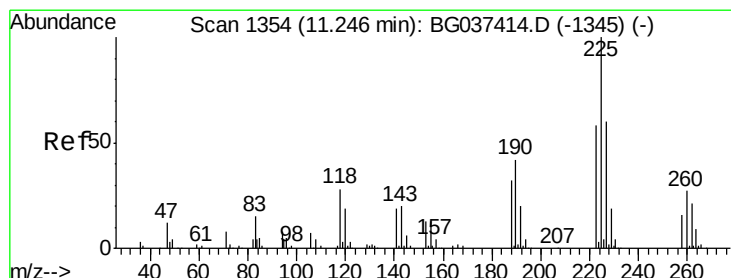
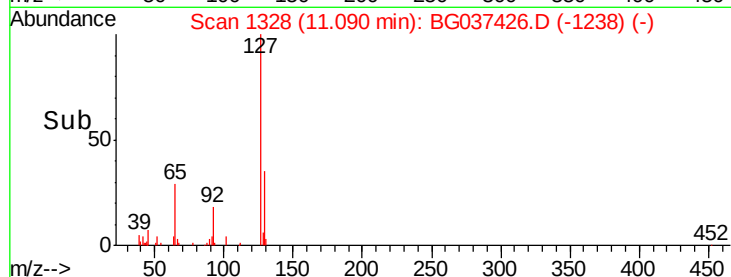
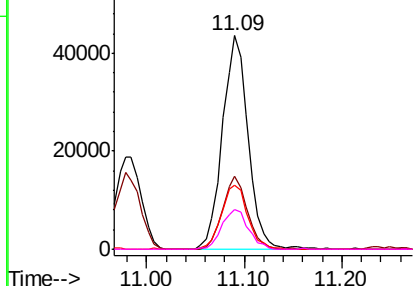
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

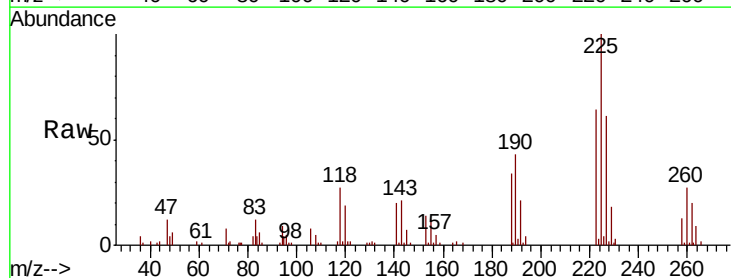
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 18.863 ng
RT: 11.24 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion	225	Resp: Lower	49654 Upper
	Ratio		
225	100		
223	67.0	48.2	72.4
227	63.3	51.6	77.4

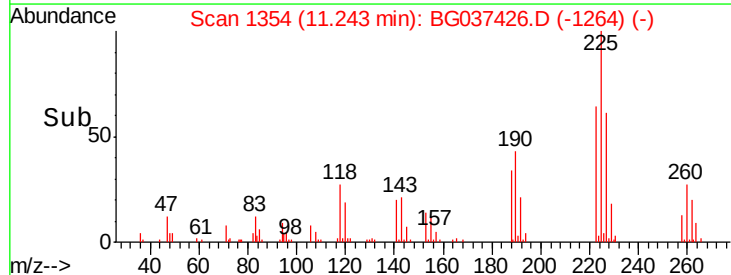
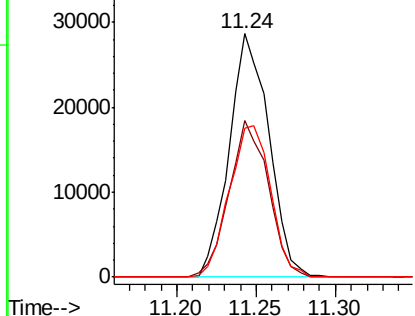


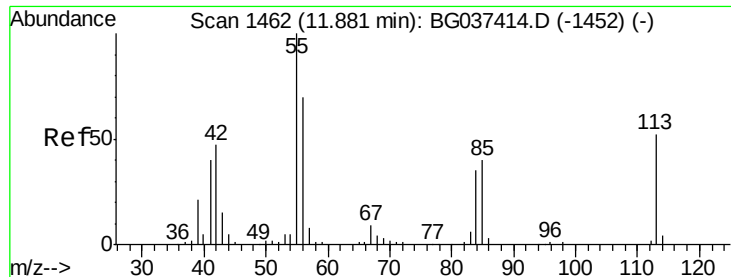
Abundance

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: 19.007 ng

RT: 11.86 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

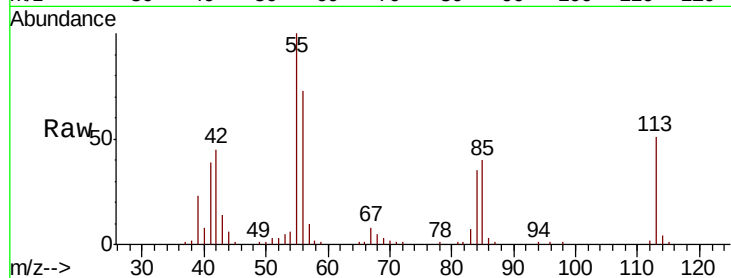
Tot Ion:113 Resp: 31134

Ion Ratio Lower Upper

113 100

55 196.2 176.6 216.6

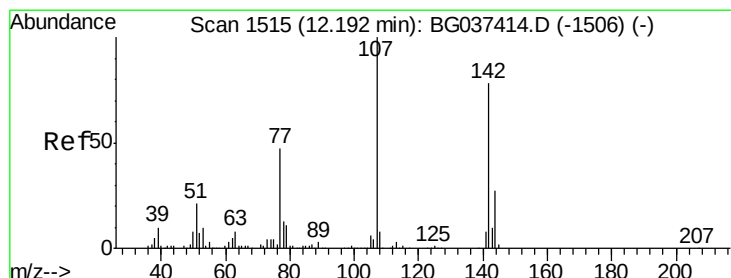
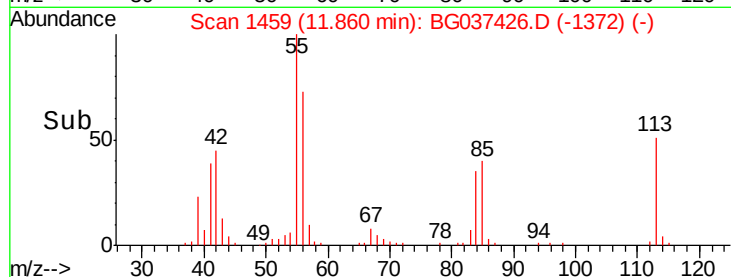
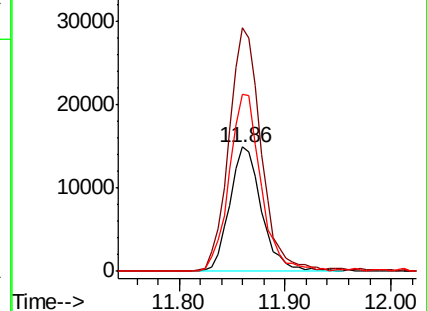
56 142.6 128.3 168.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 20.381 ng

RT: 12.19 min Scan# 1515

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

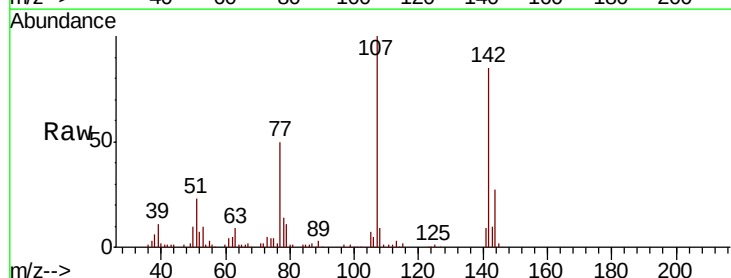
Tgt Ion:107 Resp: 93876

Ion Ratio Lower Upper

107 100

144 27.2 20.7 31.1

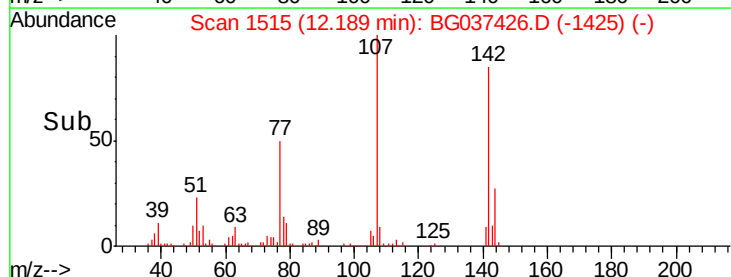
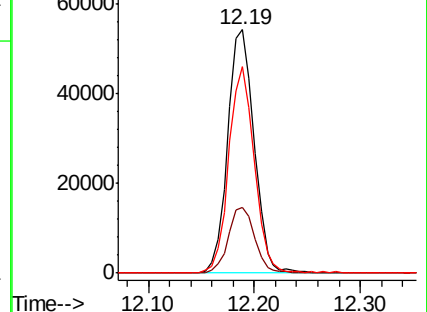
142 84.8 64.4 96.6

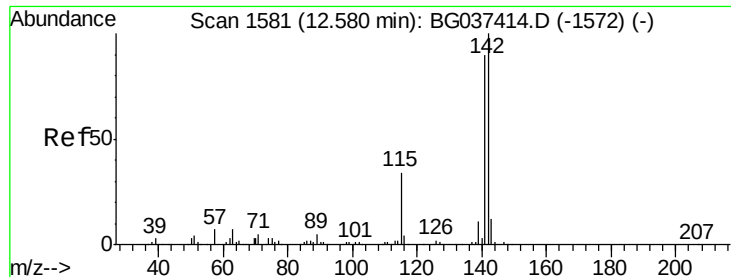


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

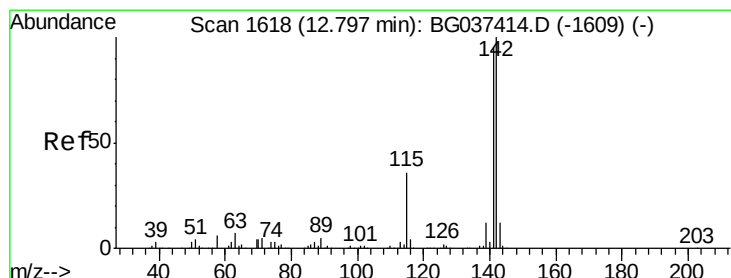
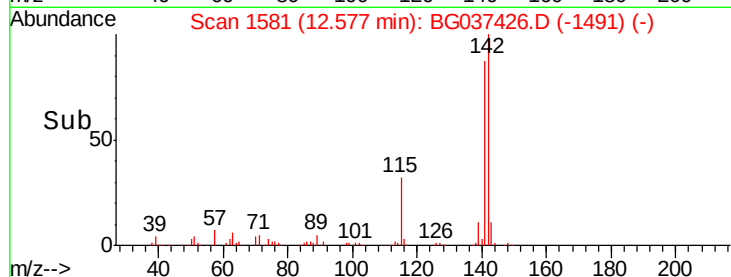
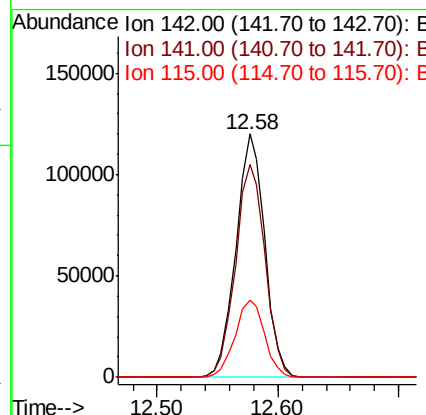
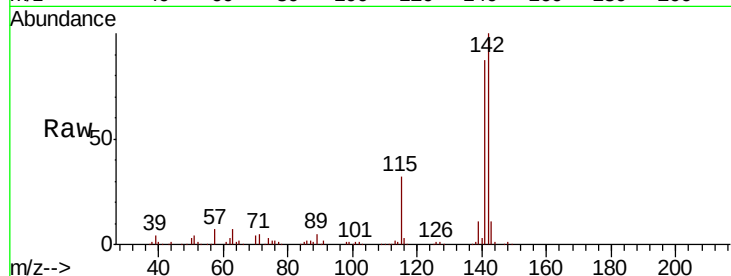




#37
2-Methylnaphthalene
Concen: 22.582 ng
RT: 12.58 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

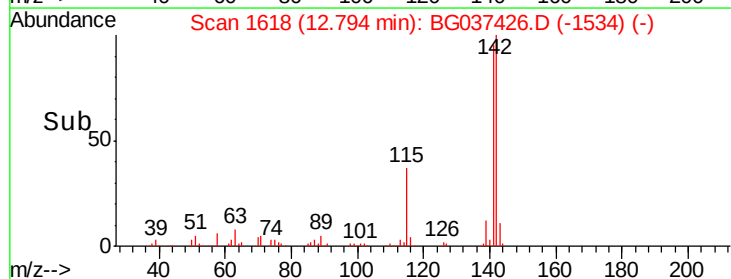
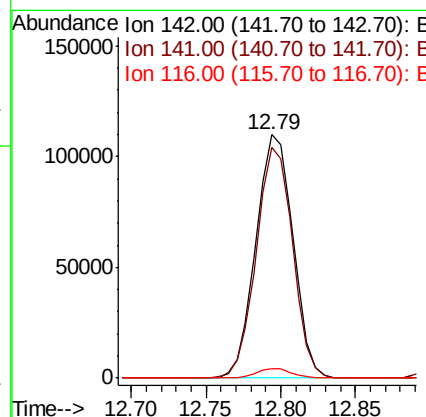
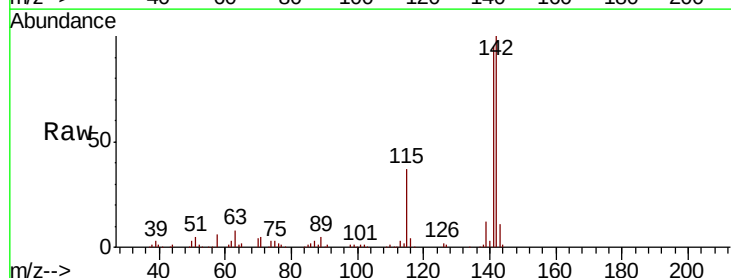
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

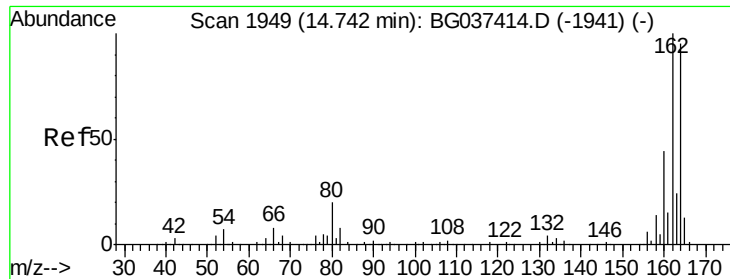
Tot Ion	Ratio	Lower	Upper
142	100		
141	87.5	71.9	107.9
115	31.7	27.8	41.8



#38
1-Methylnaphthalene
Concen: 22.038 ng
RT: 12.79 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.7	75.2	112.8
116	3.6	3.3	4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

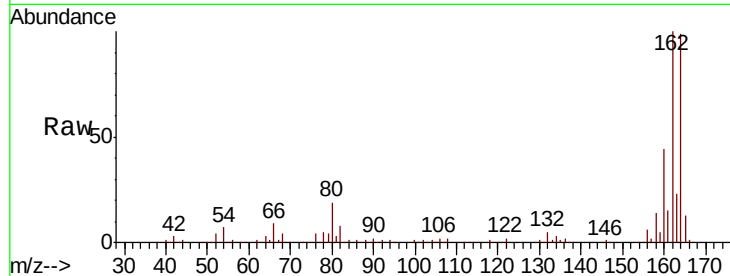
Tot Ion:164 Resp: 162541

Ion Ratio Lower Upper

164 100

162 100.9 81.3 121.9

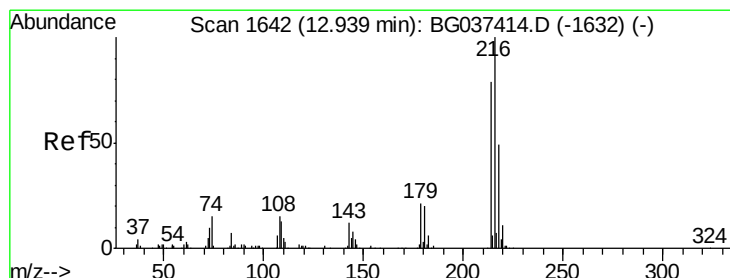
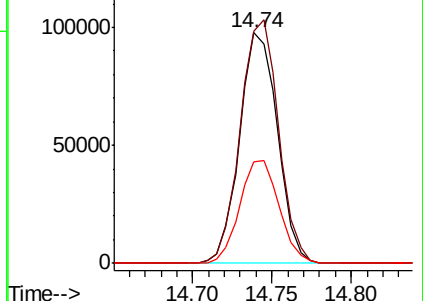
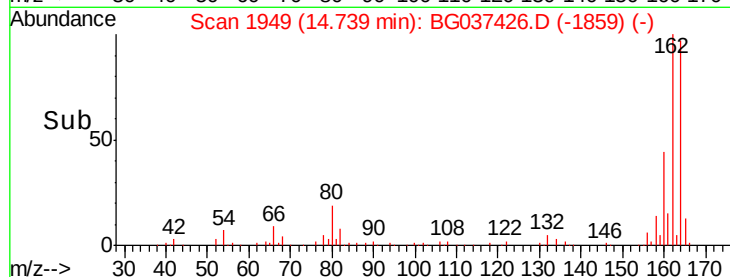
160 44.1 36.3 54.5



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: 19.325 ng

RT: 12.93 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Tgt Ion:216 Resp: 101317

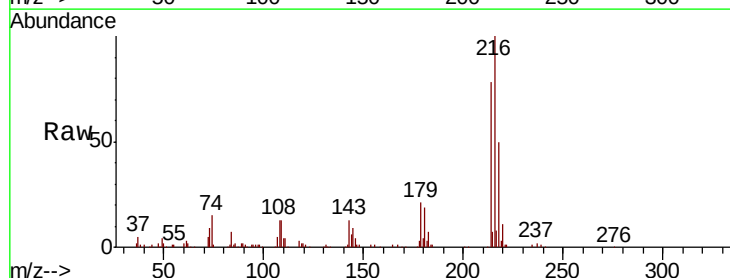
Ion Ratio Lower Upper

216 100

214 77.9 63.8 95.6

179 20.4 17.4 26.0

108 15.6 13.9 20.9

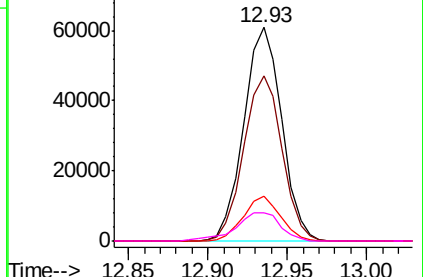
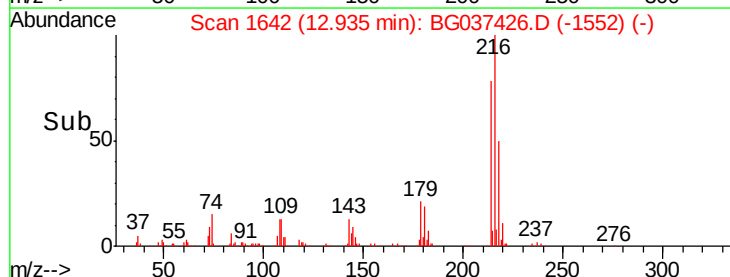


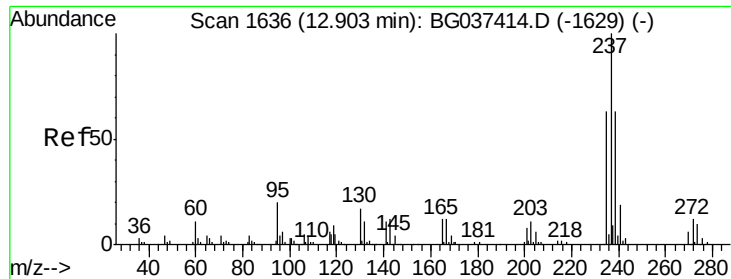
Abundance Ion 216.00 (215.70 to 216.70): E

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

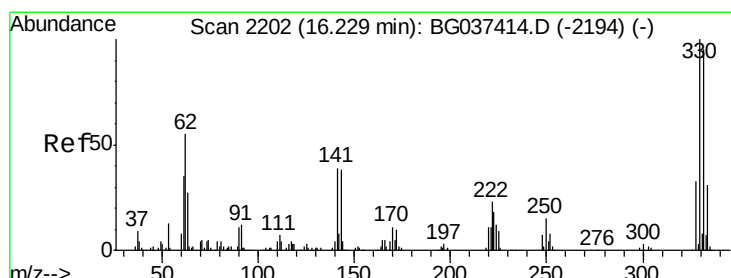
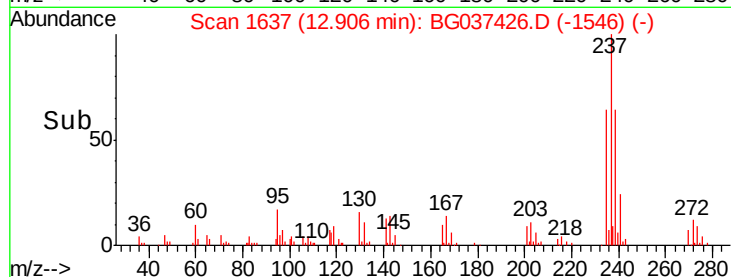
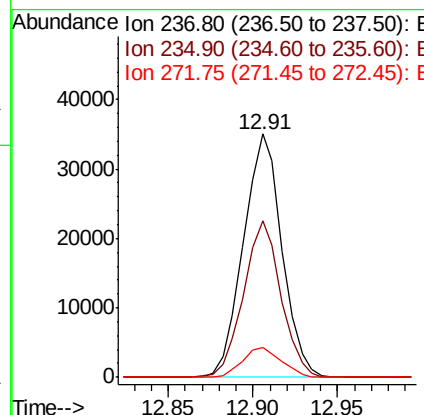
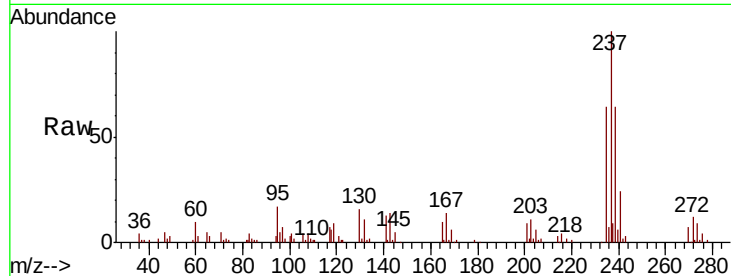




#41
Hexachlorocyclopentadiene
Concen: 22.178 ng
RT: 12.91 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

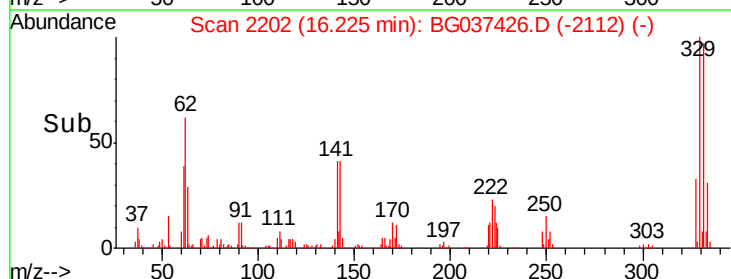
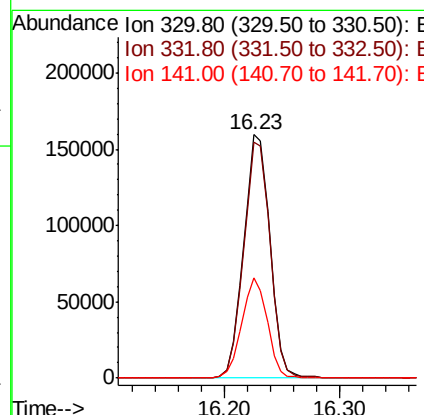
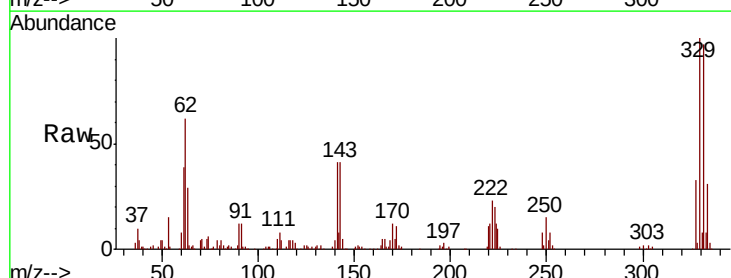
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

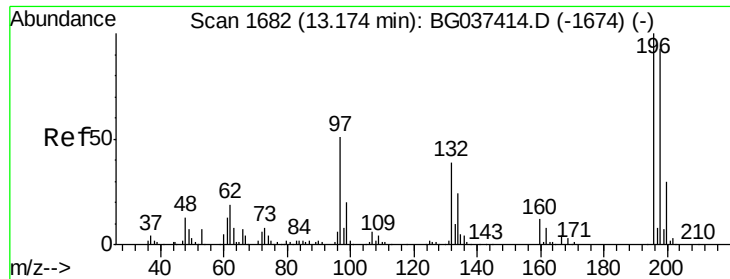
Tot Ion:237 Resp: 55542
Ion Ratio Lower Upper
237 100
235 64.3 42.5 82.5
272 12.3 0.0 31.6



#42
2,4,6-Tribromophenol
Concen: 141.791 ng
RT: 16.23 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion:330 Resp: 251370
Ion Ratio Lower Upper
330 100
332 97.7 78.4 117.6
141 39.9 32.2 48.2

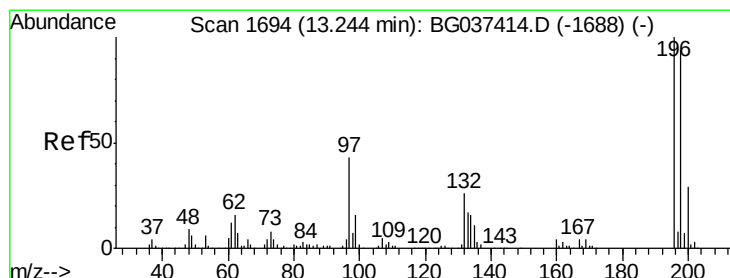
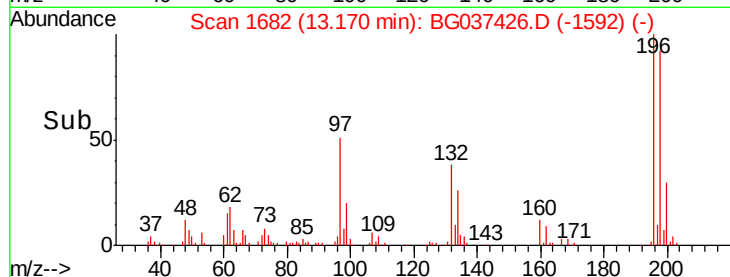
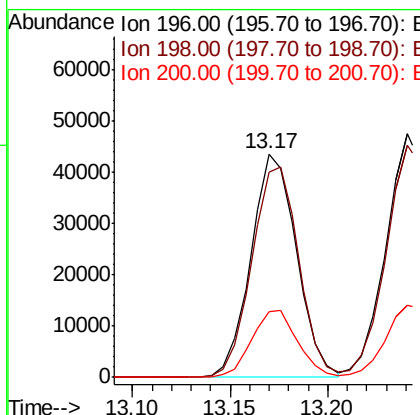
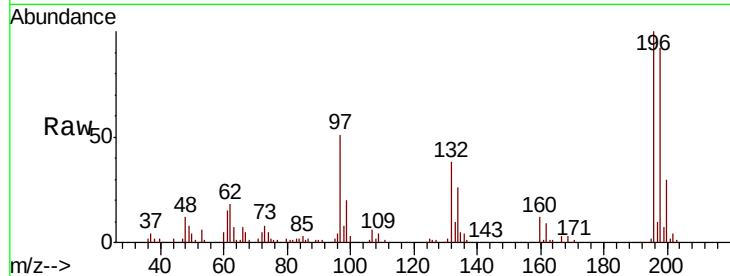




#43
 2,4,6-Trichlorophenol
 Concen: 20.215 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037426.D
 Acq: 18 Oct 2018 19:16

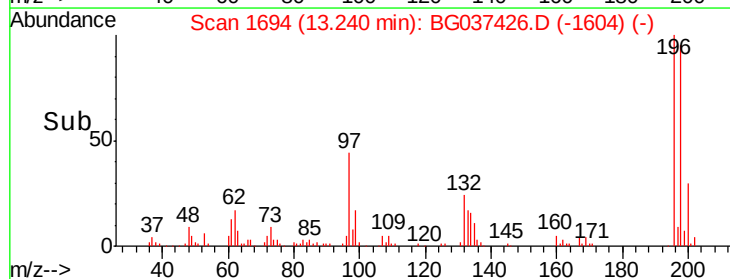
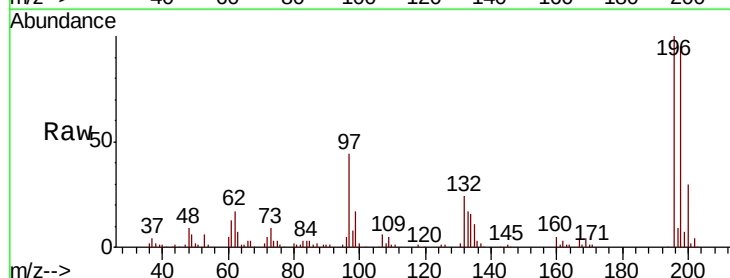
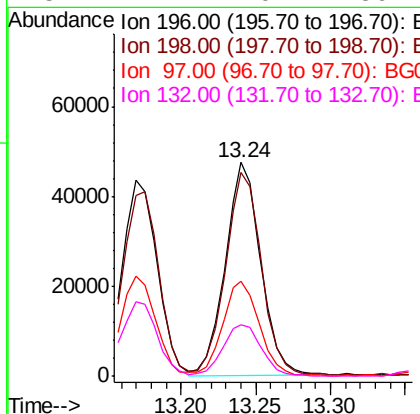
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

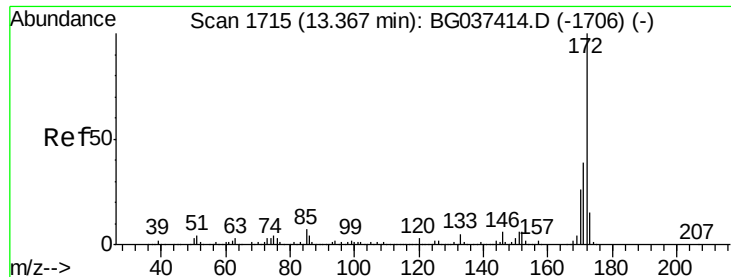
Tot Ion:196 Resp: 70807
 Ion Ratio Lower Upper
 196 100
 198 92.2 76.4 114.6
 200 29.7 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 20.525 ng
 RT: 13.24 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: BG037426.D
 Acq: 18 Oct 2018 19:16

Tgt Ion:196 Resp: 78274
 Ion Ratio Lower Upper
 196 100
 198 95.3 74.2 111.2
 97 44.5 34.1 51.1
 132 24.1 20.2 30.4

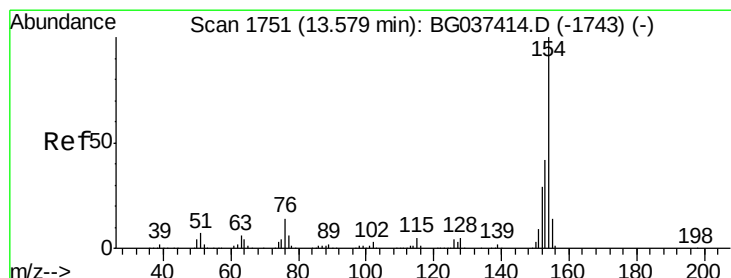
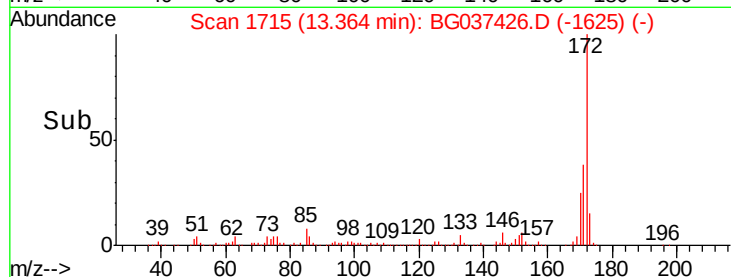
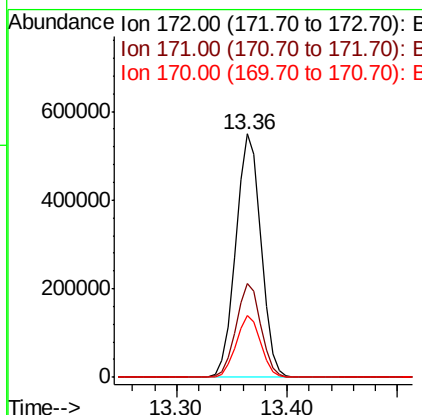
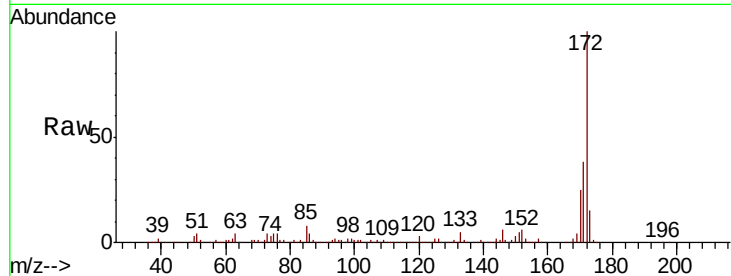




#45
2-Fluorobiphenyl
Concen: 81.601 ng
RT: 13.36 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

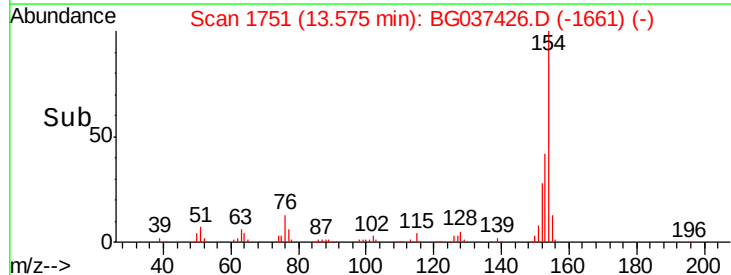
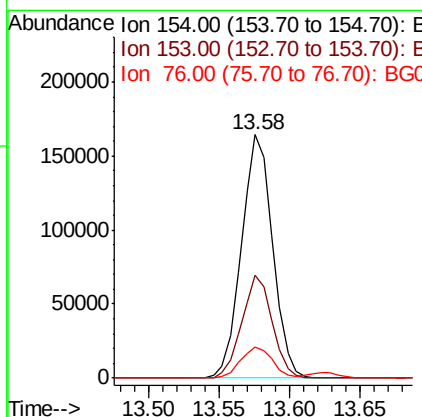
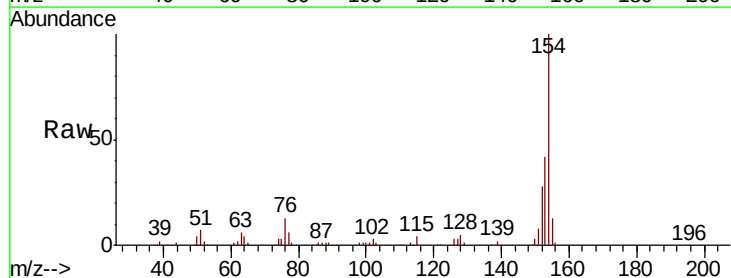
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

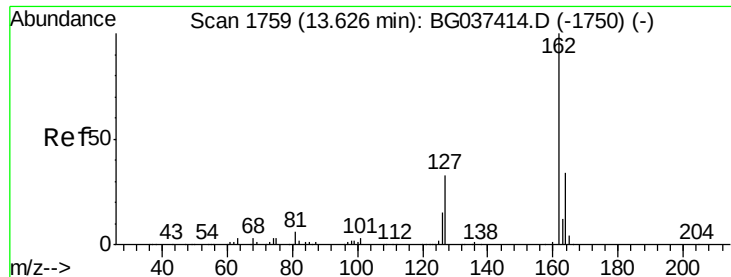
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	31.0	46.4
170	25.3	20.2	30.2



#46
1,1'-Biphenyl
Concen: 18.782 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.3	22.1	62.1
76	12.8	0.0	33.2

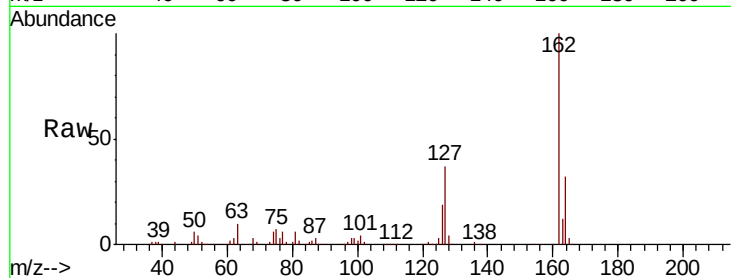




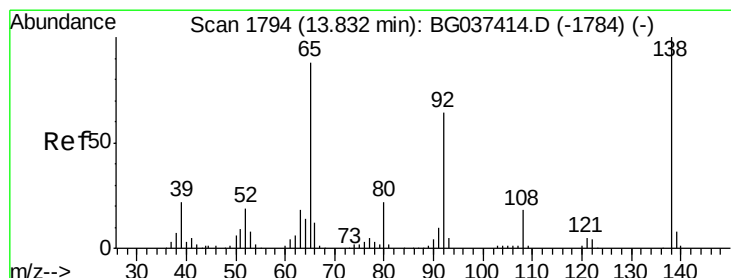
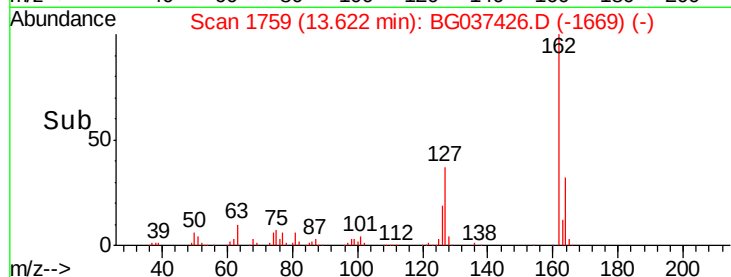
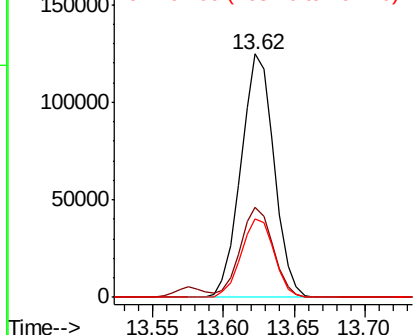
#47
2-Chloronaphthalene
Concen: 20.104 ng
RT: 13.62 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tot Ion	Ratio	Lower	Upper
162	100		
127	37.0	30.5	45.7
164	32.4	26.4	39.6

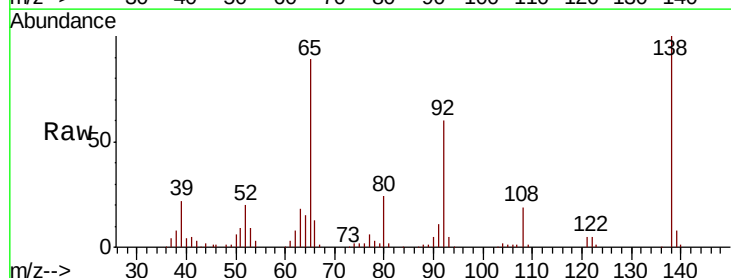


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

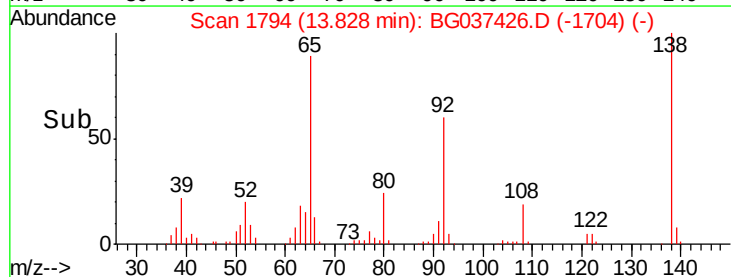
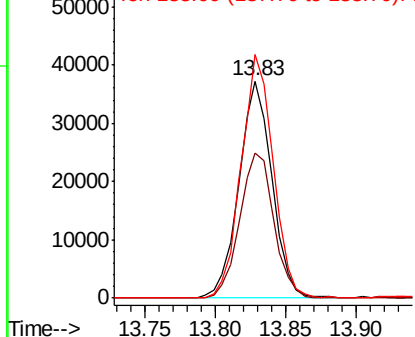


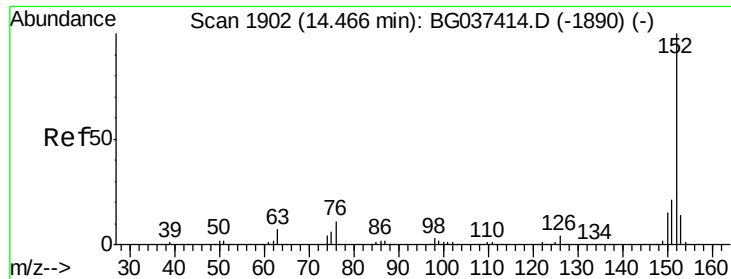
#48
2-Nitroaniline
Concen: 19.632 ng
RT: 13.83 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.9	53.2	79.8
138	112.3	79.3	118.9



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





#49

Acenaphthylene

Concen: 22.385 ng

RT: 14.47 min Scan# 1903

Delta R.T. 0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

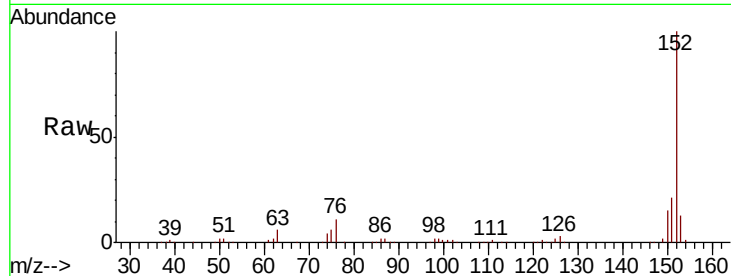
Tot Ion:152 Resp: 342932

Ion Ratio Lower Upper

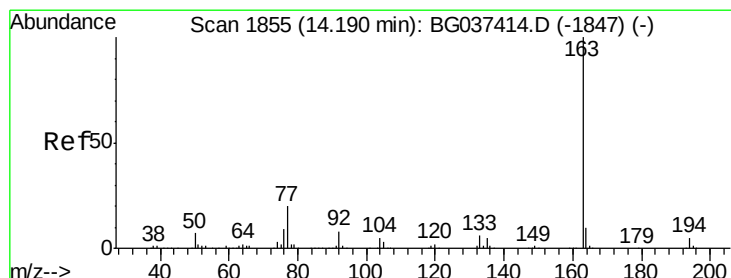
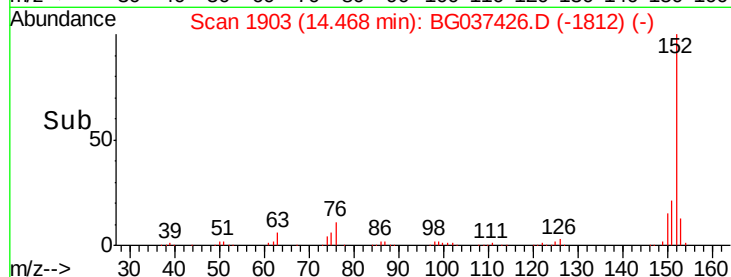
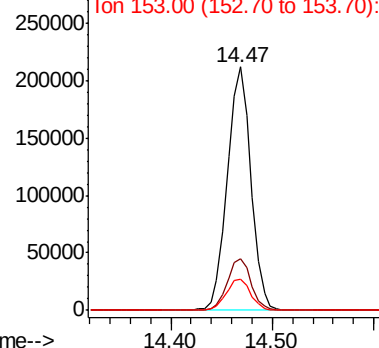
152 100

151 21.3 17.1 25.7

153 12.7 11.1 16.7



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: 21.567 ng

RT: 14.19 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

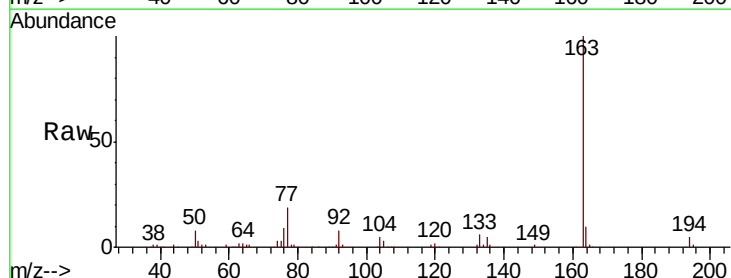
Tgt Ion:163 Resp: 271195

Ion Ratio Lower Upper

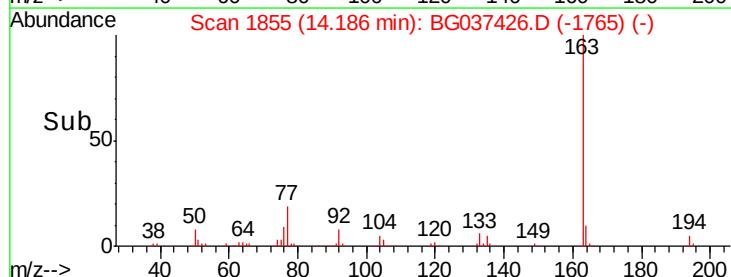
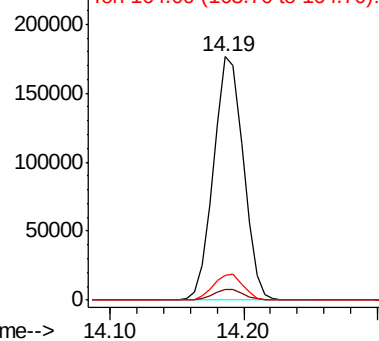
163 100

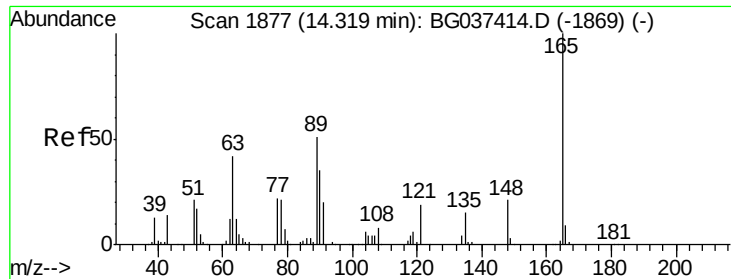
194 4.5 3.5 5.3

164 10.3 8.5 12.7



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

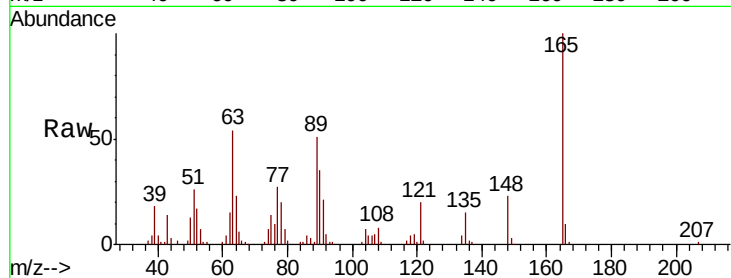




#51
2,6-Dinitrotoluene
Concen: 20.855 ng
RT: 14.32 min Scan# 1877
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tot Ion	Ratio	Lower	Upper
165	100		
63	54.0	43.4	65.2
89	51.0	45.8	68.6

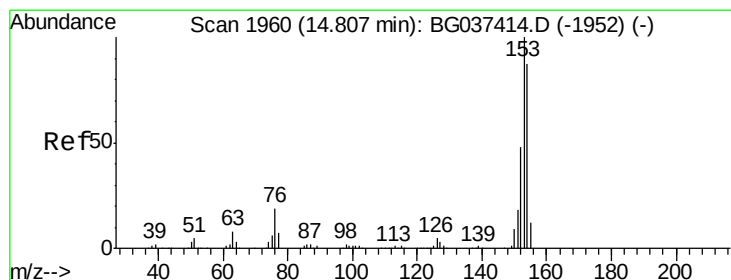
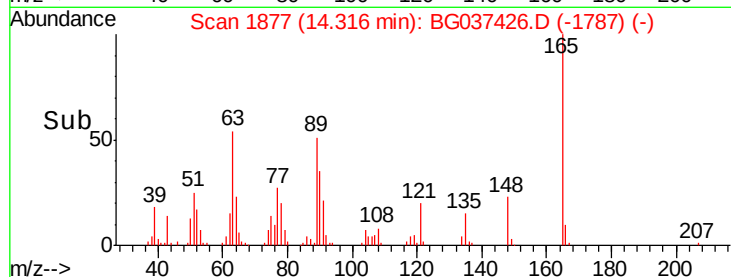
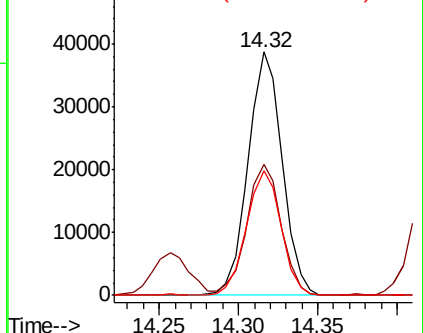


Abundance

Ion 165.00 (164.70 to 165.70): E

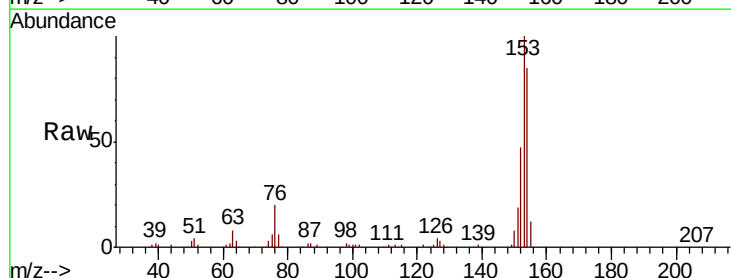
Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52
Acenaphthene
Concen: 21.071 ng
RT: 14.80 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.4	93.4	140.0
152	55.3	44.7	67.1

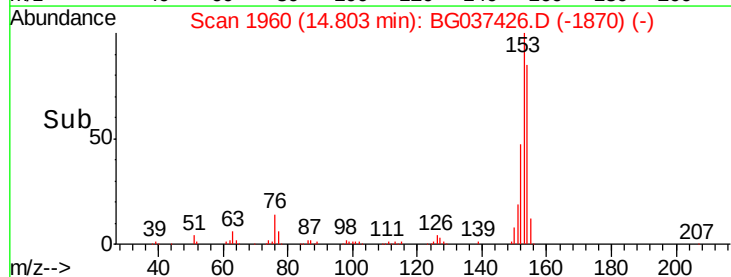
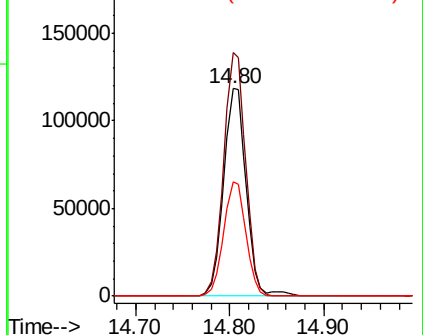


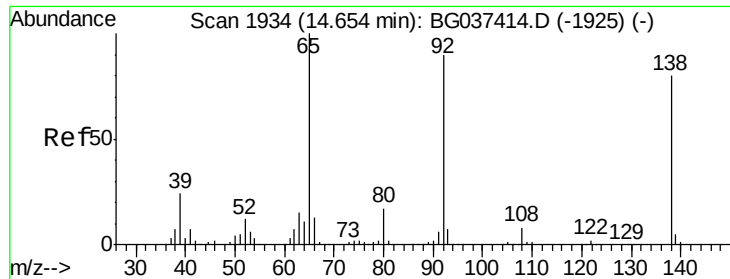
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 17.240 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

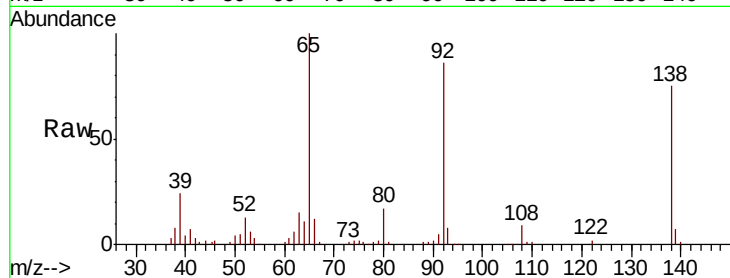
Tot Ion:138 Resp: 53240

Ion Ratio Lower Upper

138 100

108 11.4 11.0 16.6

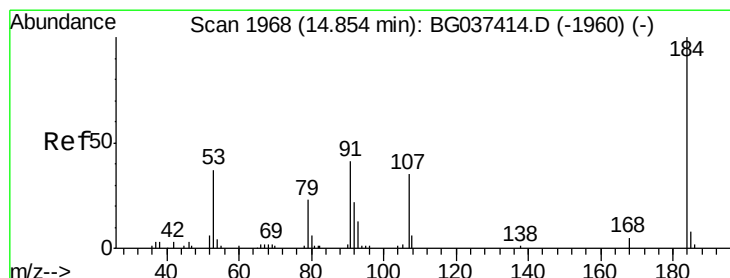
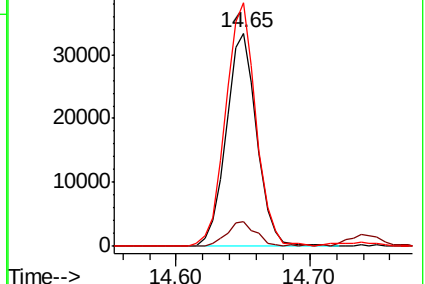
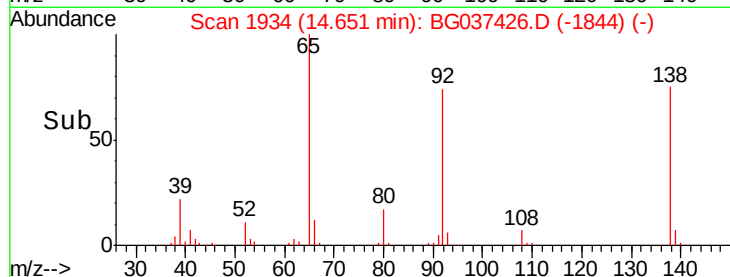
92 114.1 95.2 142.8



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 18.893 ng

RT: 14.85 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

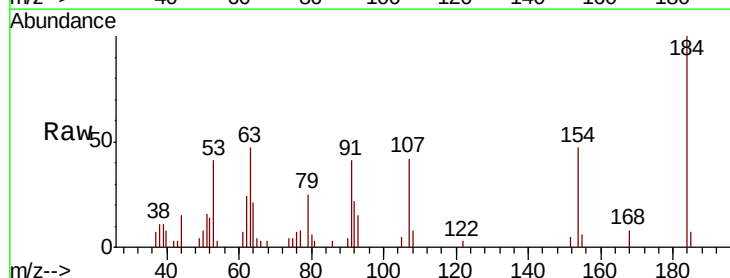
Tgt Ion:184 Resp: 9549

Ion Ratio Lower Upper

184 100

63 46.8 42.6 63.8

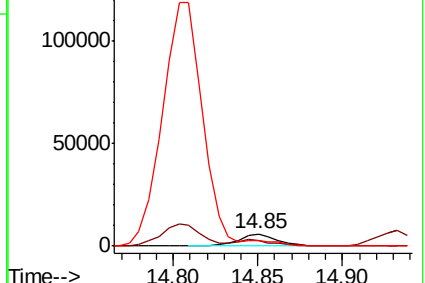
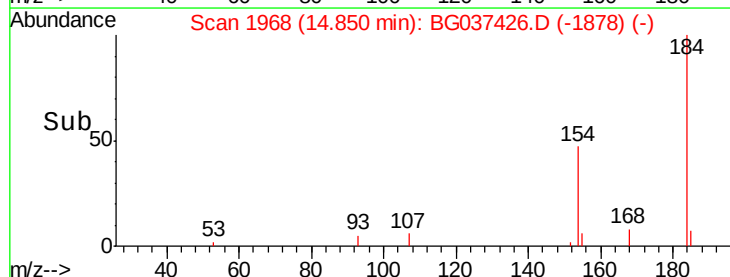
154 46.5 41.8 62.6

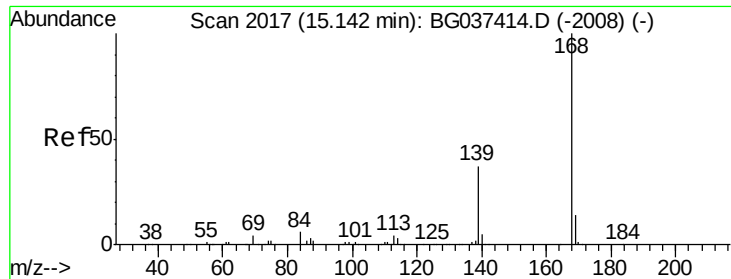


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

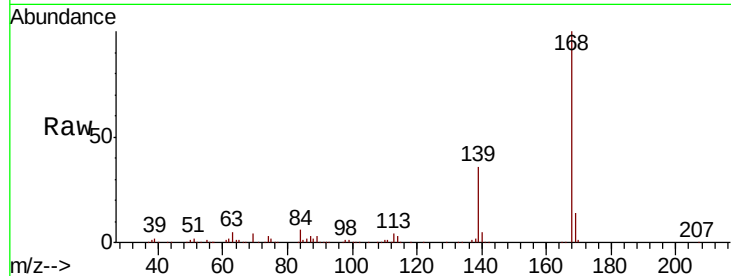




#55
Dibenzenofuran
Concen: 21.027 ng
RT: 15.14 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.4	44.0
169	13.8	11.0	16.6

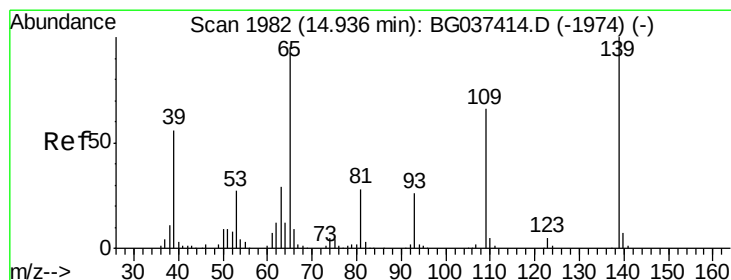
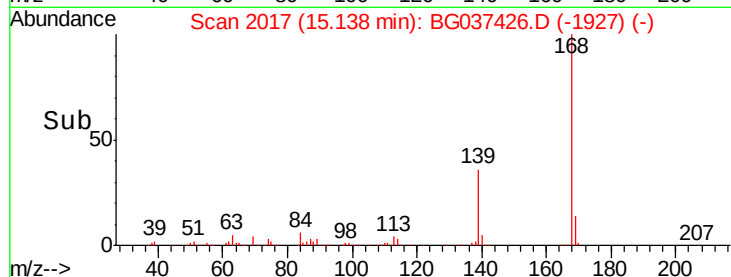
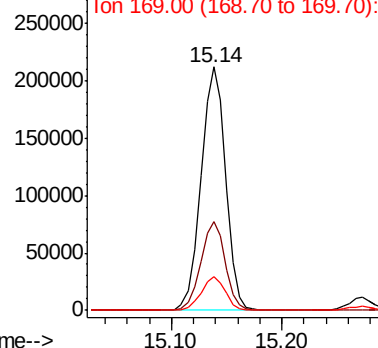


Abundance

Ion 168.00 (167.70 to 168.70): E

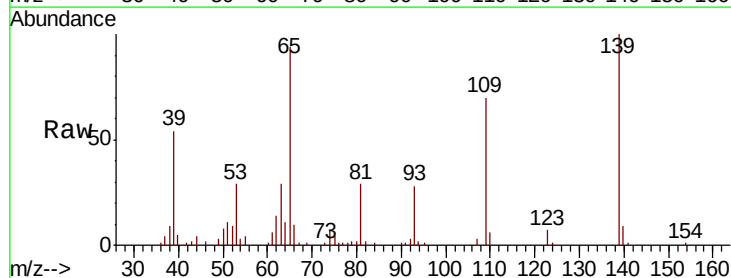
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 19.746 ng
RT: 14.93 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion	Ratio	Lower	Upper
139	100		
109	70.5	49.5	89.5
65	94.0	76.8	116.8

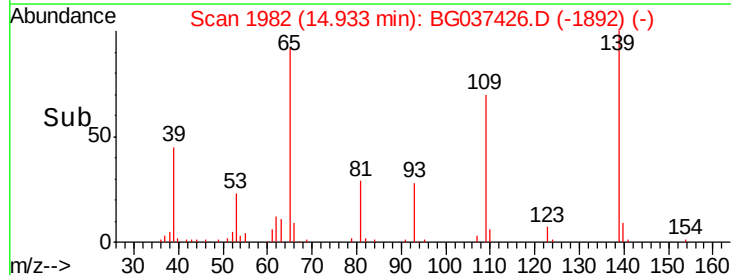
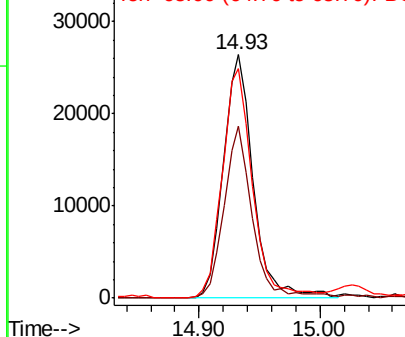


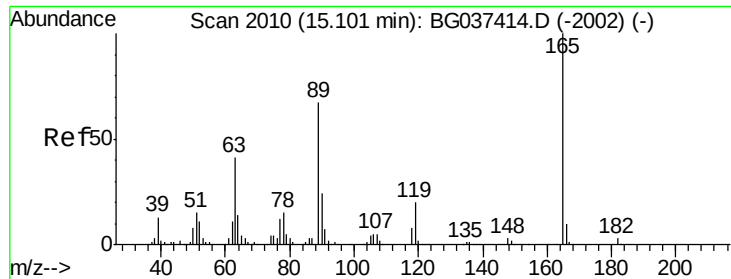
Abundance

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): BGO

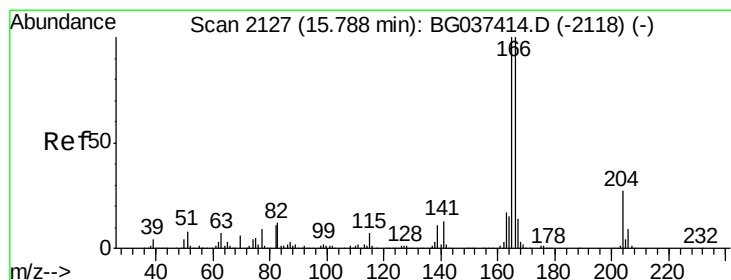
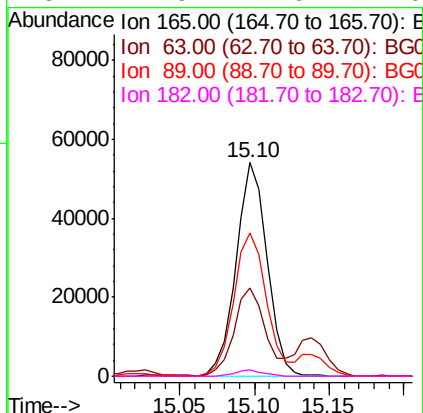
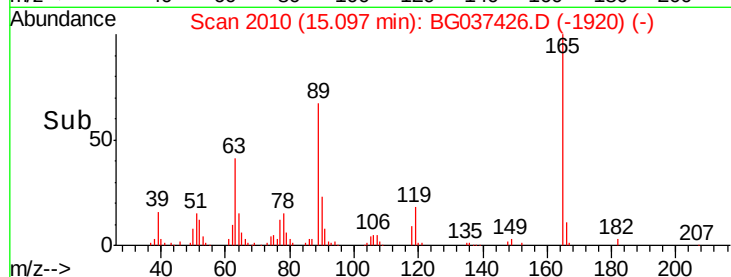
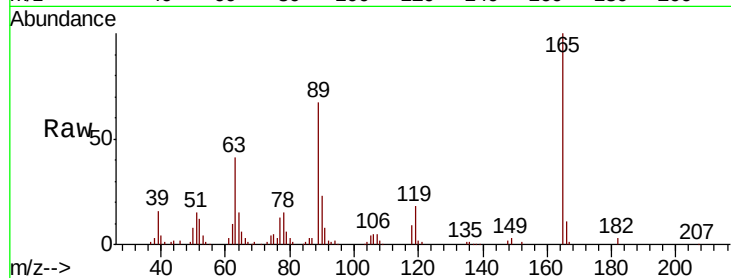




#57
2,4-Dinitrotoluene
Concen: 21.435 ng
RT: 15.10 min Scan# 210
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

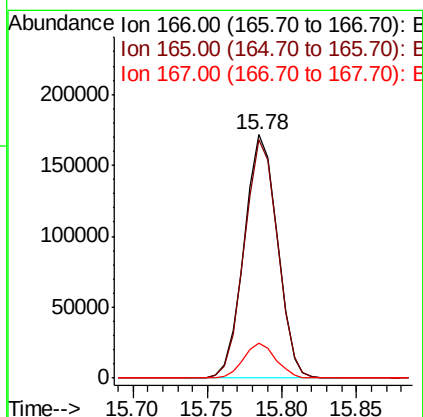
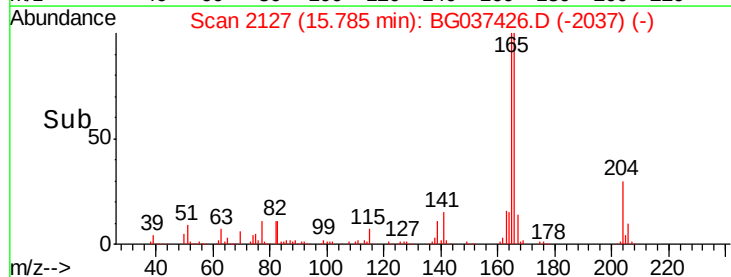
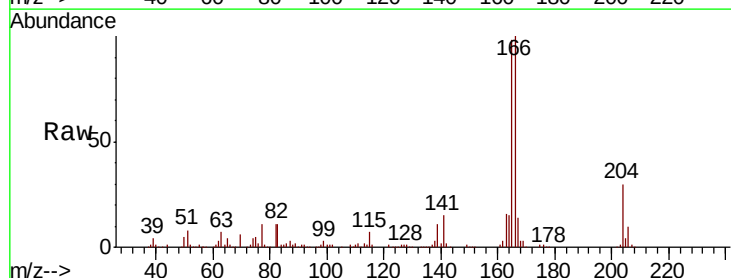
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

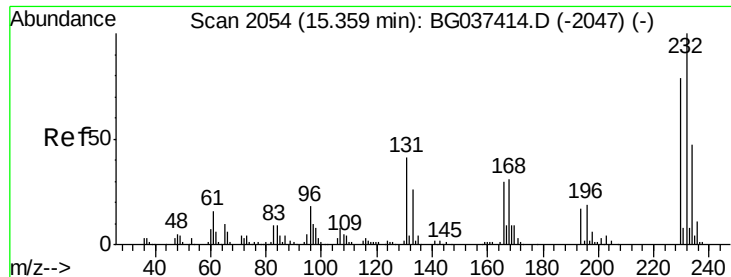
Tot Ion:165 Resp: 78268
Ion Ratio Lower Upper
165 100
63 41.5 33.4 50.0
89 67.1 57.2 85.8
182 2.9 2.6 4.0



#58
Fluorene
Concen: 22.528 ng
RT: 15.78 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion:166 Resp: 263710
Ion Ratio Lower Upper
166 100
165 98.2 79.0 118.6
167 14.2 11.3 16.9

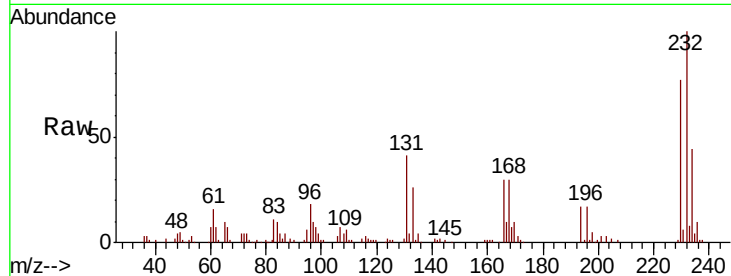




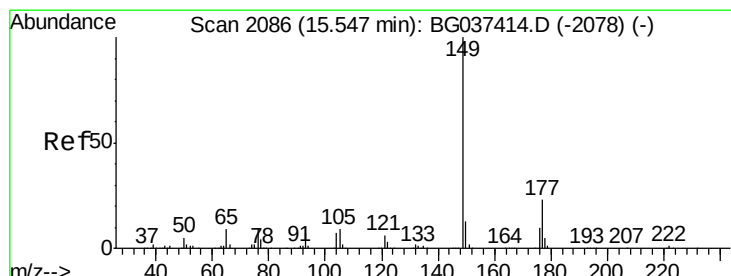
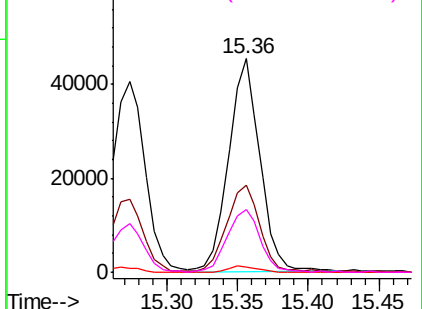
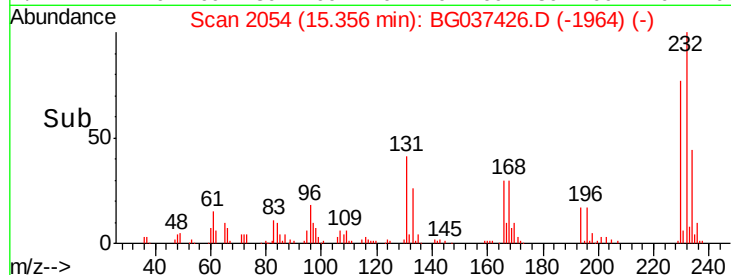
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.473 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tot Ion:232 Resp: 70114
Ion Ratio Lower Upper
232 100
131 41.6 33.7 50.5
130 2.5 2.1 3.1
166 31.0 24.6 36.8

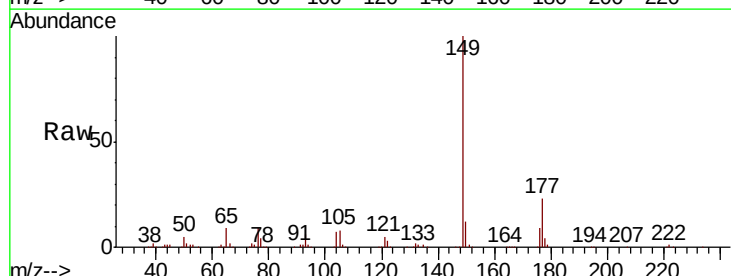


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

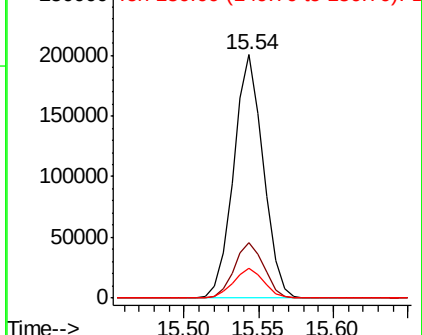
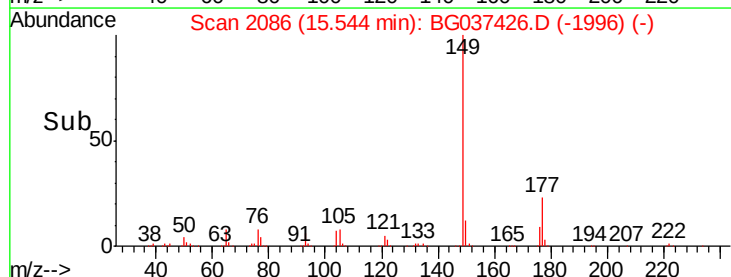


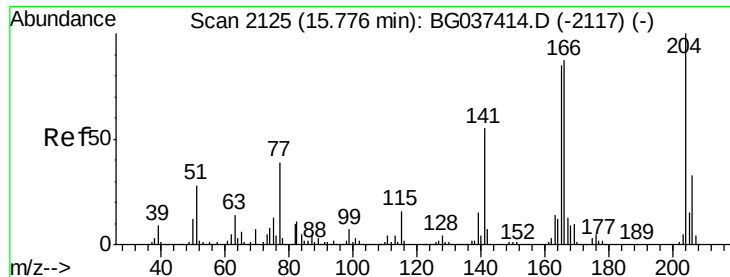
#60
Diethylphthalate
Concen: 21.443 ng
RT: 15.54 min Scan# 2086
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion:149 Resp: 276815
Ion Ratio Lower Upper
149 100
177 22.9 18.3 27.5
150 12.2 10.0 15.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

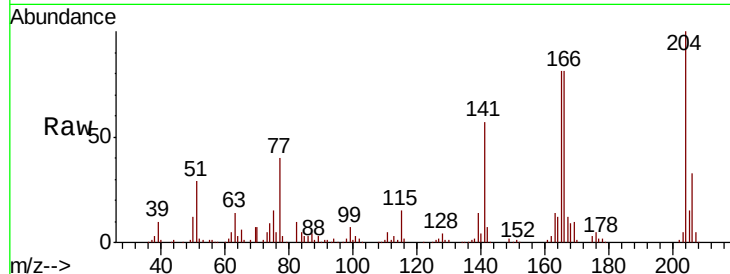




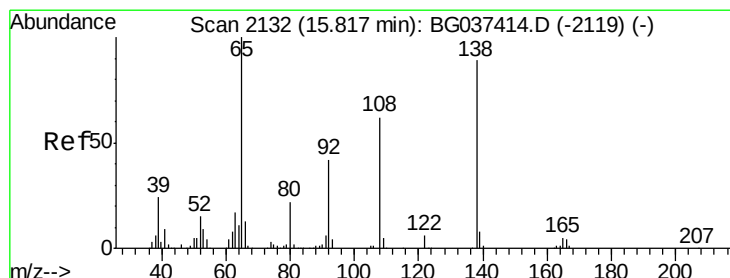
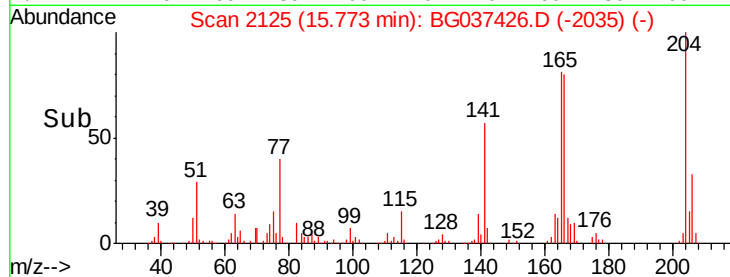
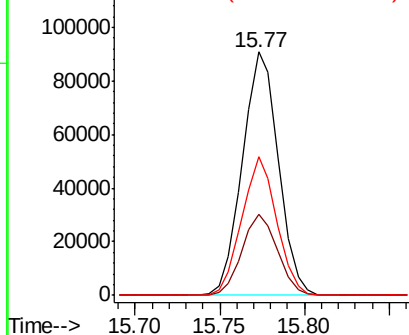
#61
 4-Chlorophenyl-phenylether
 Concen: 19.742 ng
 RT: 15.77 min Scan# 2125
 Delta R.T. -0.00 min
 Lab File: BG037426.D
 Acq: 18 Oct 2018 19:16

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tot Ion:204 Resp: 134700
 Ion Ratio Lower Upper
 204 100
 206 33.3 26.6 39.8
 141 56.7 45.4 68.2

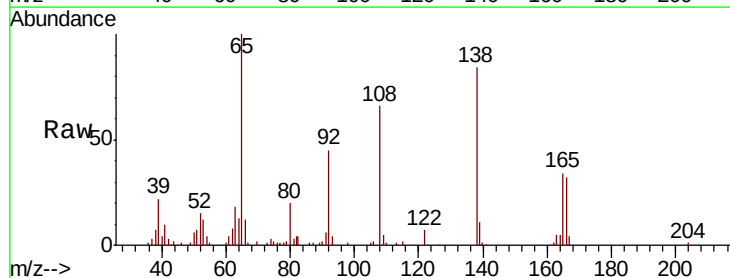


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

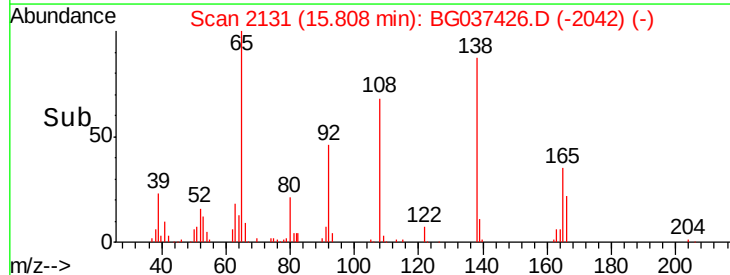
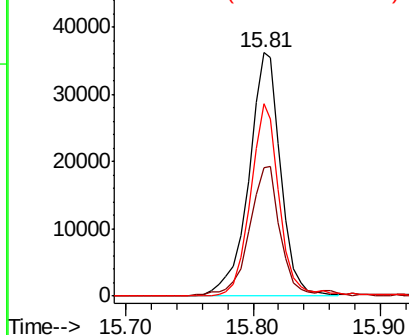


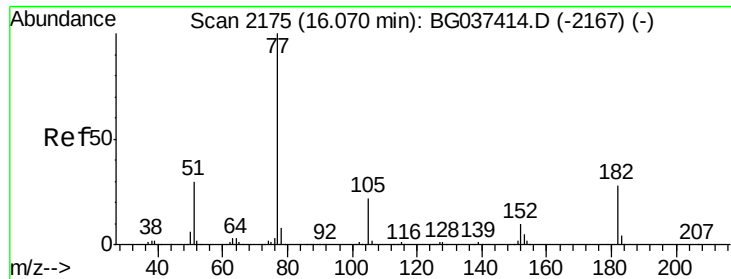
#62
 4-Nitroaniline
 Concen: 20.635 ng
 RT: 15.81 min Scan# 2131
 Delta R.T. -0.01 min
 Lab File: BG037426.D
 Acq: 18 Oct 2018 19:16

Tgt Ion:138 Resp: 63319
 Ion Ratio Lower Upper
 138 100
 92 53.0 36.4 76.4
 108 78.8 60.1 100.1



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

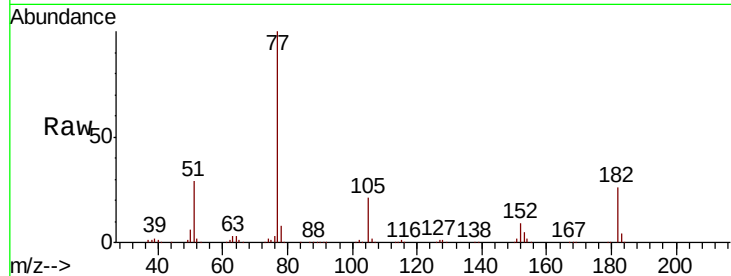




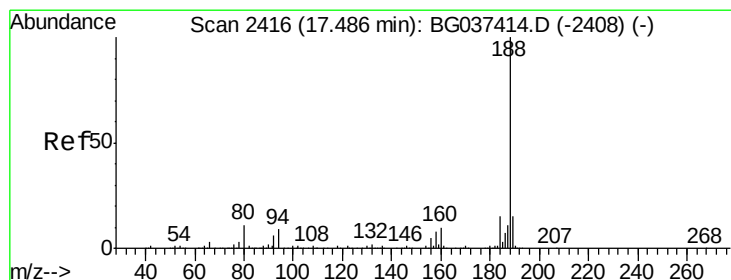
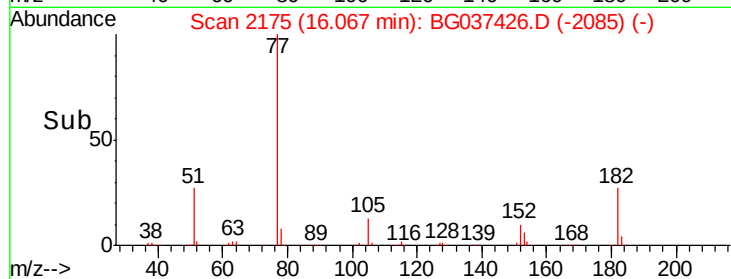
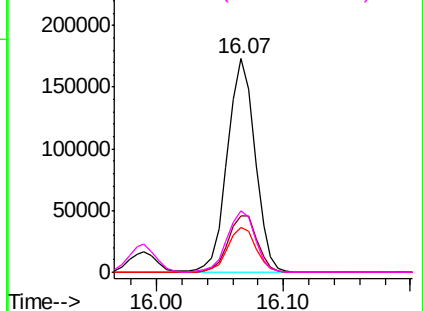
#63
Azobenzene
Concen: 21.232 ng
RT: 16.07 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tot Ion	Ratio	Lower	Upper
77	100		
182	26.4	8.0	48.0
105	21.2	1.3	41.3
51	28.5	10.7	50.7

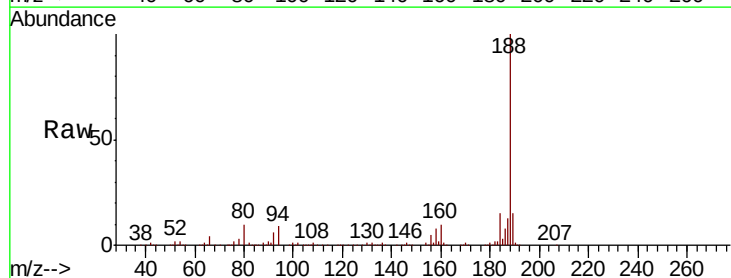


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

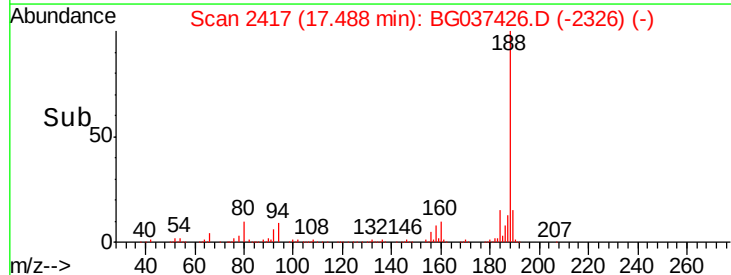
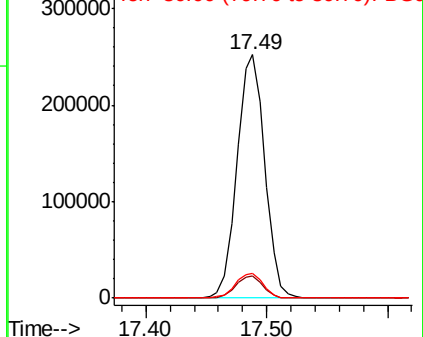


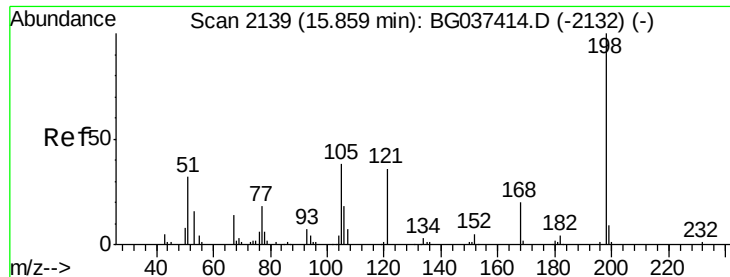
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	10.0	7.7	11.5



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: 18.990 ng

RT: 15.86 min Scan# 2139

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

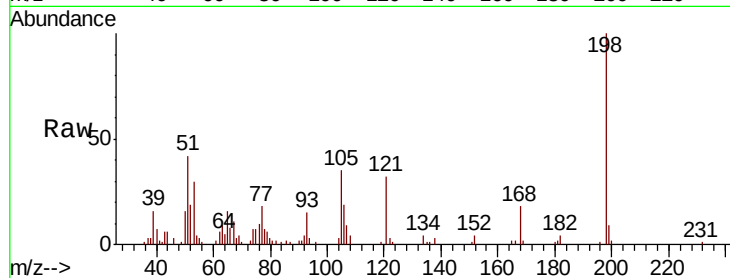
Tot Ion:198 Resp: 26869

Ion	Ratio	Lower	Upper
198	100		
51	42.1	22.7	62.7
105	34.6	19.7	59.7

198 100

51 42.1 22.7 62.7

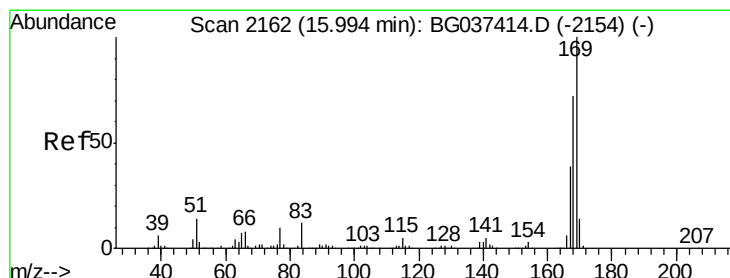
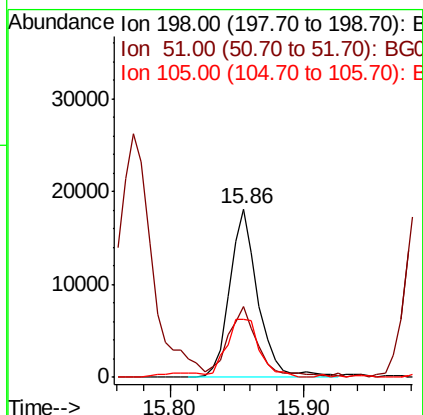
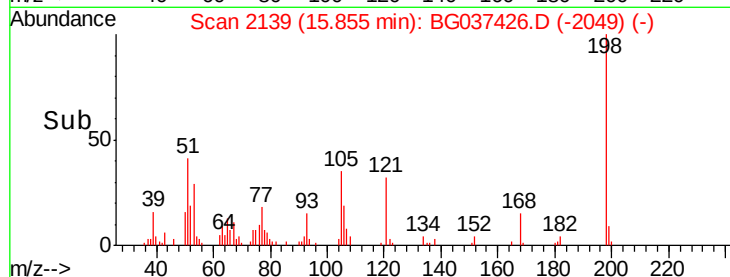
105 34.6 19.7 59.7



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: 19.899 ng

RT: 15.99 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

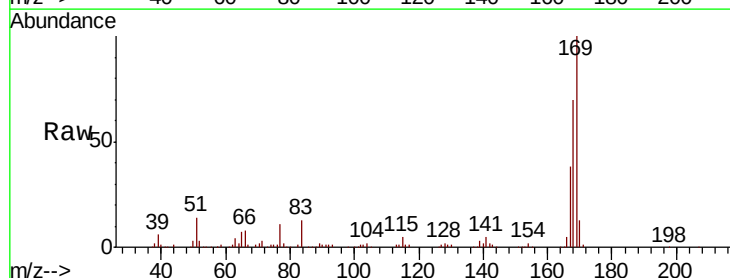
Tgt Ion:169 Resp: 240551

Ion	Ratio	Lower	Upper
169	100		
168	70.0	55.7	83.5
167	37.7	31.3	46.9

169 100

168 70.0 55.7 83.5

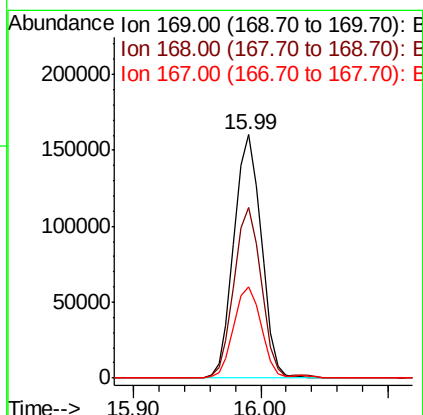
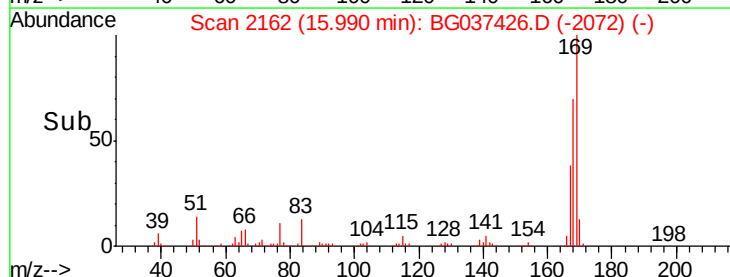
167 37.7 31.3 46.9

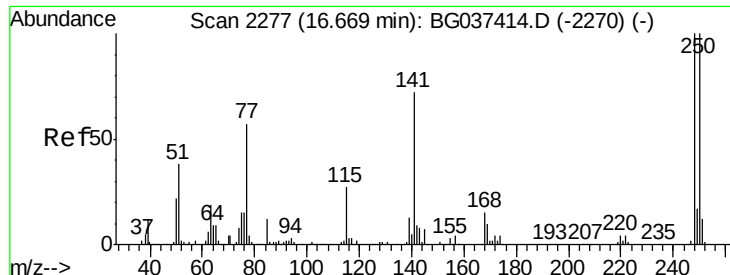


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 19.153 ng

RT: 16.67 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

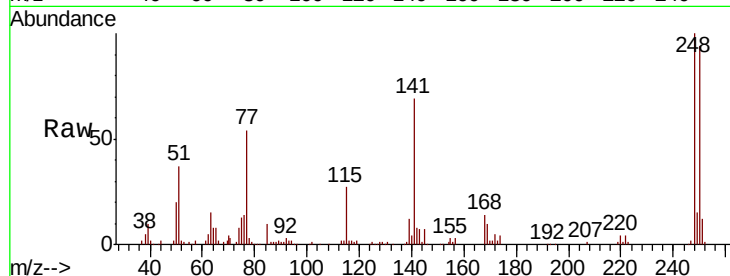
Tot Ion:248 Resp: 84530

Ion Ratio Lower Upper

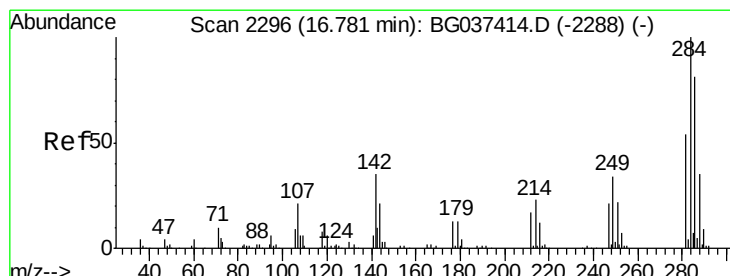
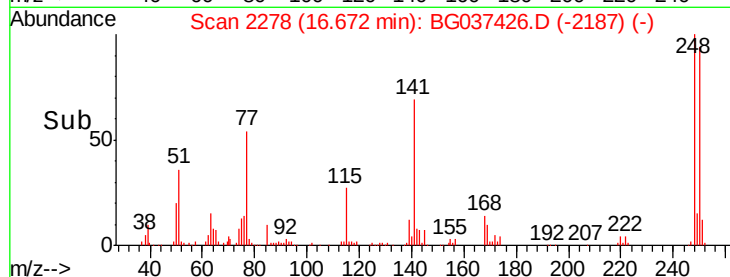
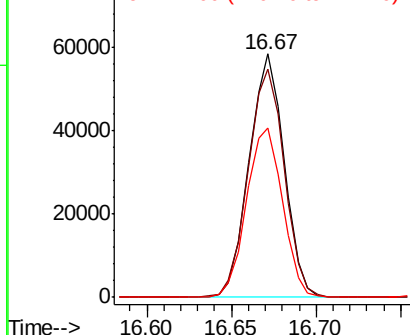
248 100

250 93.7 77.0 115.6

141 69.5 55.5 83.3



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: 18.787 ng

RT: 16.78 min Scan# 2296

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

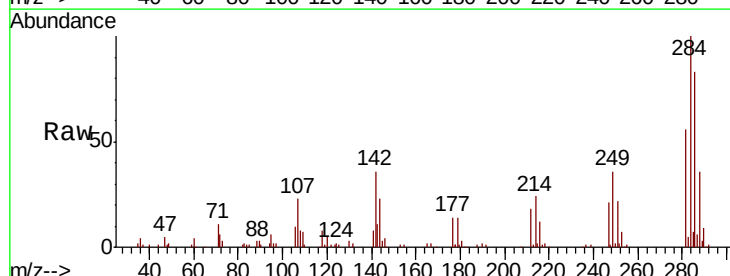
Tgt Ion:284 Resp: 85932

Ion Ratio Lower Upper

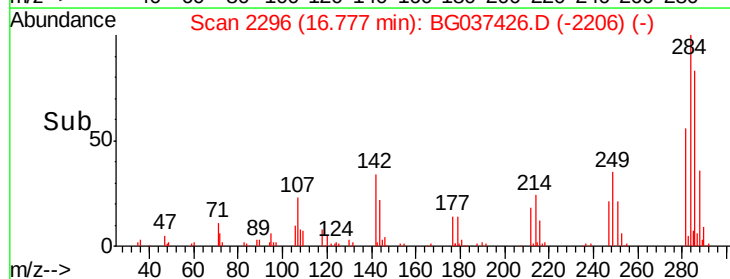
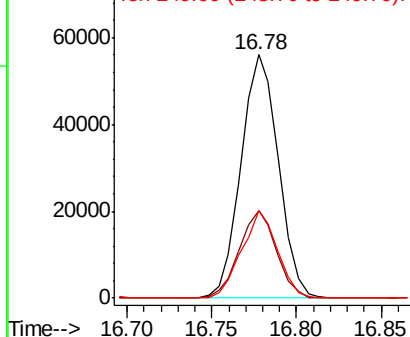
284 100

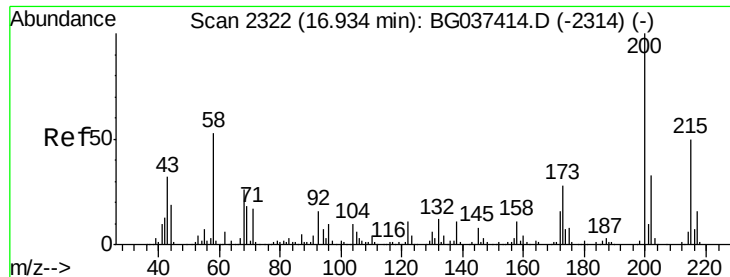
142 36.0 28.1 42.1

249 38.4 29.8 44.8



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: 20.236 ng

RT: 16.93 min Scan# 2322

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

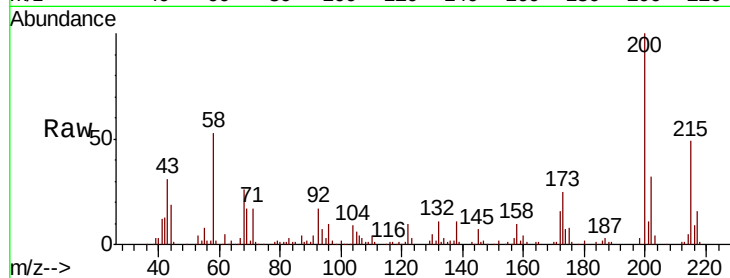
Tot Ion:200 Resp: 88446

Ion Ratio Lower Upper

200 100

173 25.1 6.1 46.1

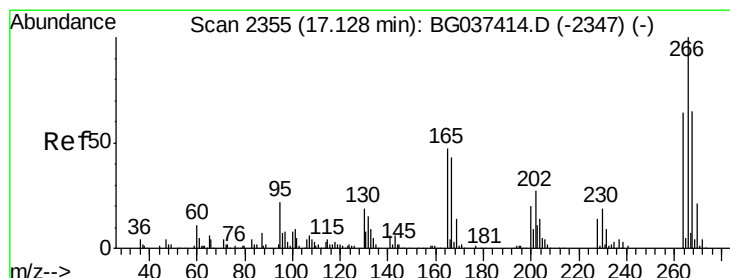
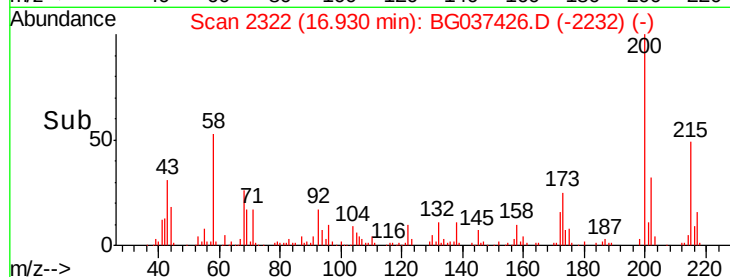
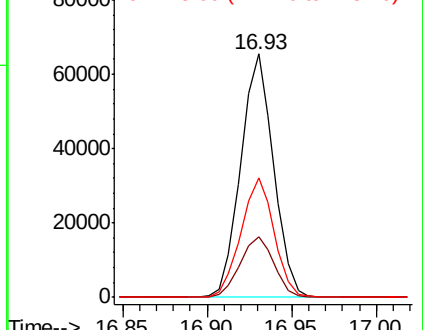
215 49.0 30.8 70.8



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: 13.888 ng

RT: 17.12 min Scan# 2355

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

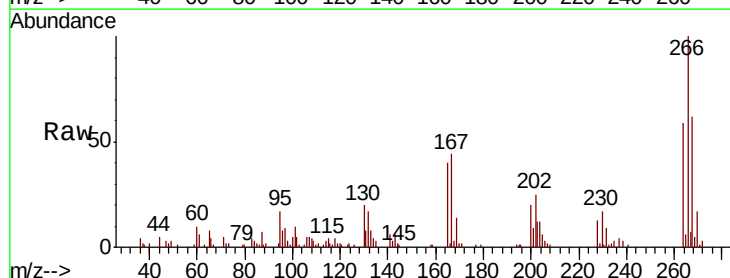
Tgt Ion:266 Resp: 42549

Ion Ratio Lower Upper

266 100

268 66.9 55.0 82.6

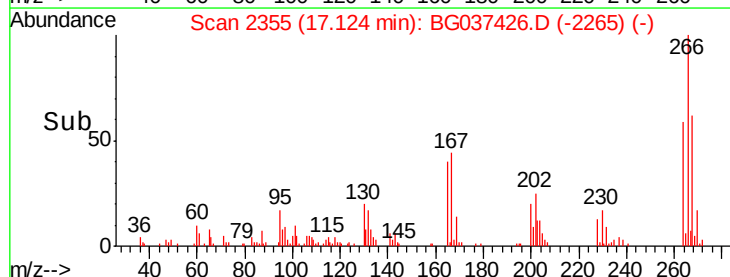
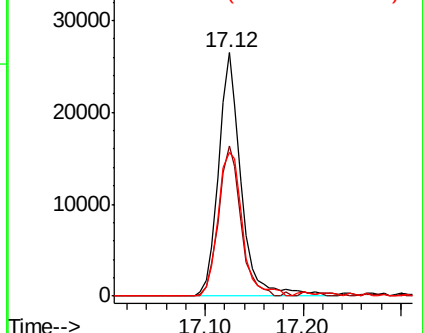
264 64.8 58.9 88.3

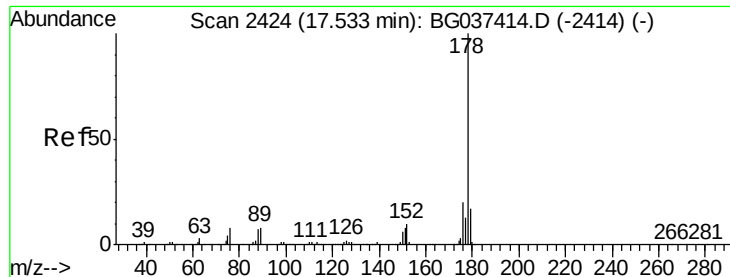


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

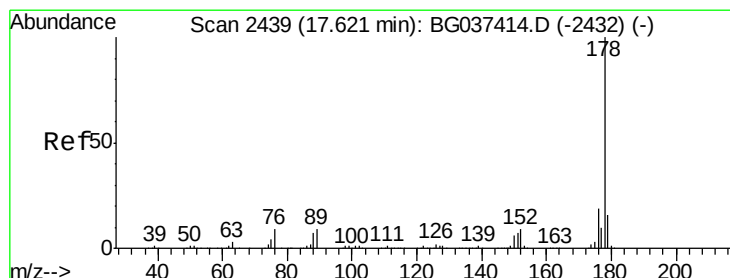
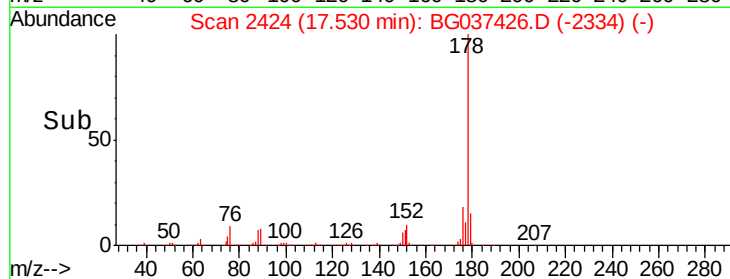
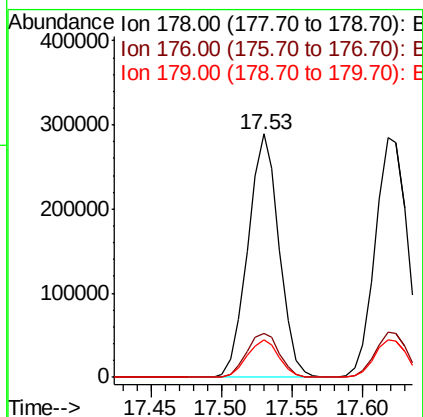
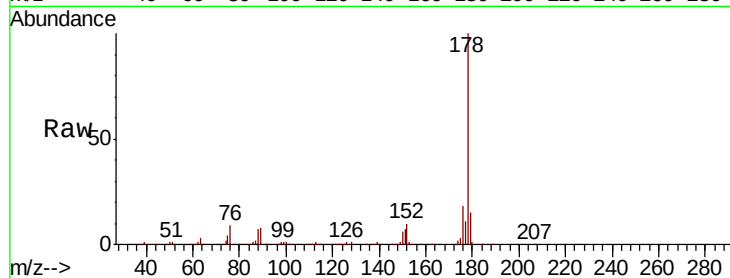




#71
Phenanthrene
Concen: 21.959 ng
RT: 17.53 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

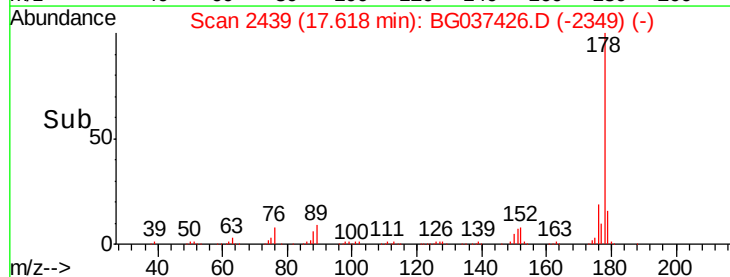
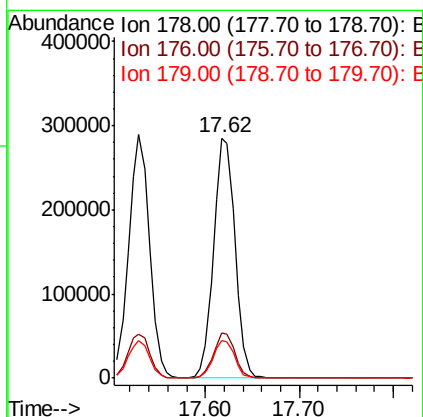
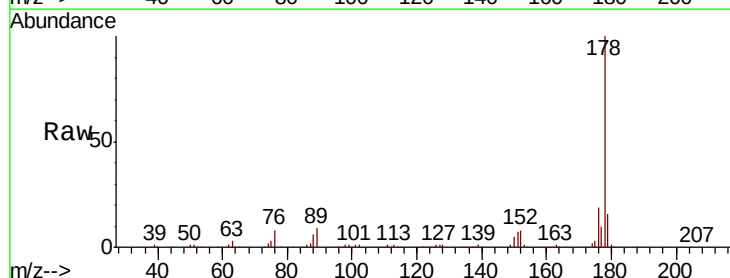
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

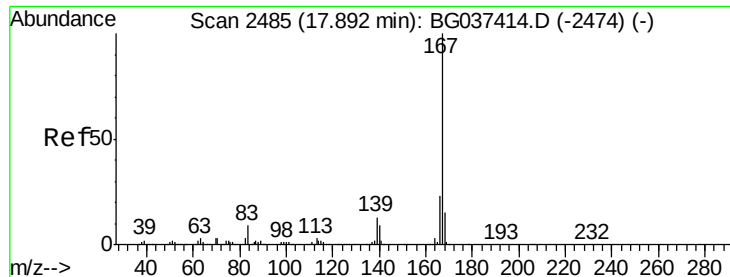
Tot Ion:178 Resp: 448519
Ion Ratio Lower Upper
178 100
176 18.3 16.1 24.1
179 15.2 13.0 19.4



#72
Anthracene
Concen: 22.794 ng
RT: 17.62 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion:178 Resp: 456889
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.4
179 15.5 12.8 19.2





#73

Carbazole

Concen: 20.388 ng

RT: 17.89 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

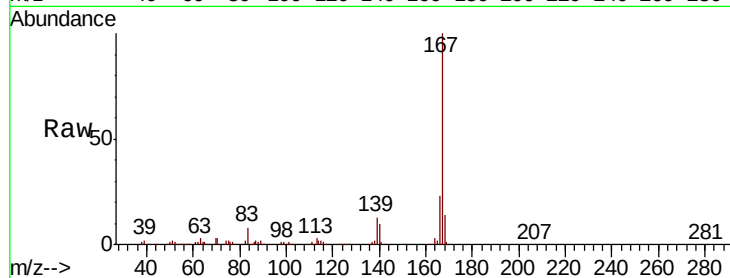
Tot Ion:167 Resp: 408782

Ion Ratio Lower Upper

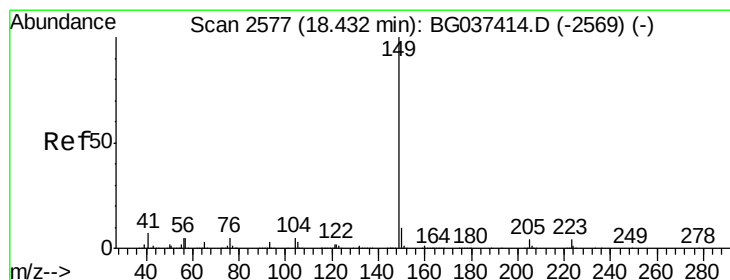
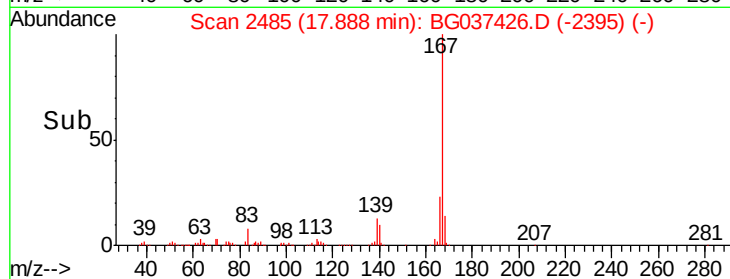
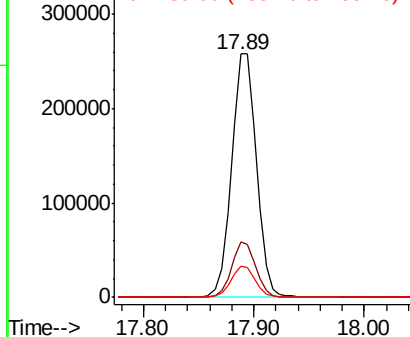
167 100

166 22.7 18.3 27.5

139 12.6 10.5 15.7



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: 21.496 ng

RT: 18.43 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

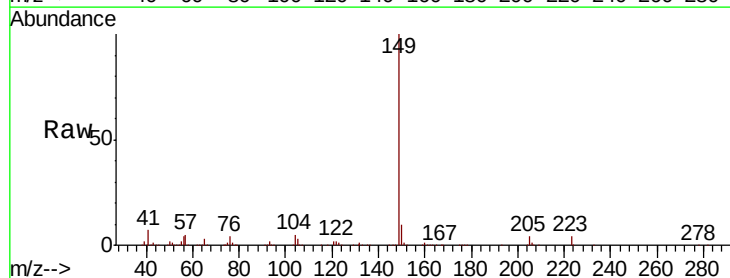
Tgt Ion:149 Resp: 479455

Ion Ratio Lower Upper

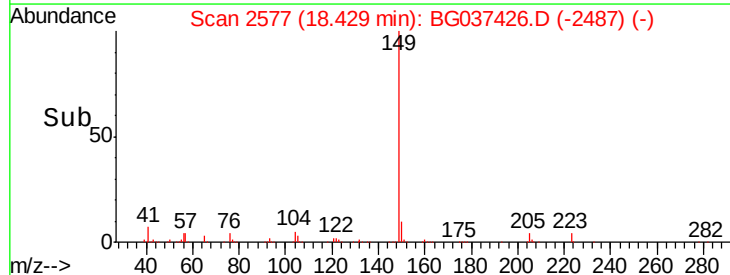
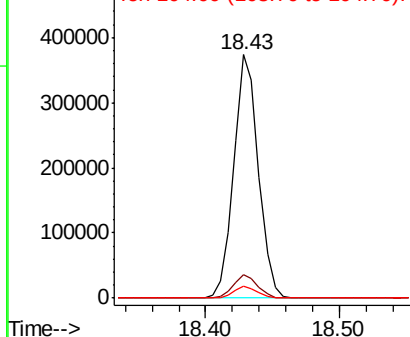
149 100

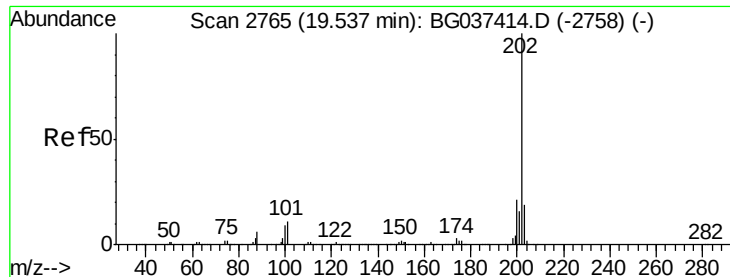
150 9.6 8.2 12.2

104 4.8 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 22.815 ng

RT: 19.53 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

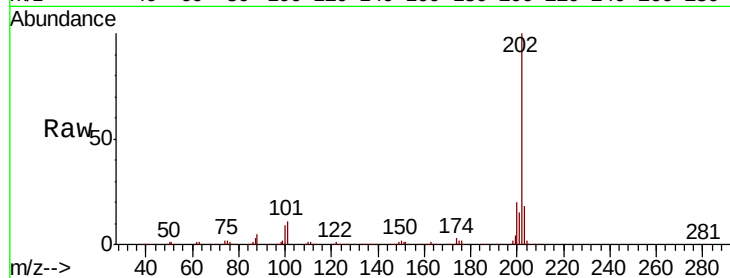
Tot Ion:202 Resp: 528522

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.7

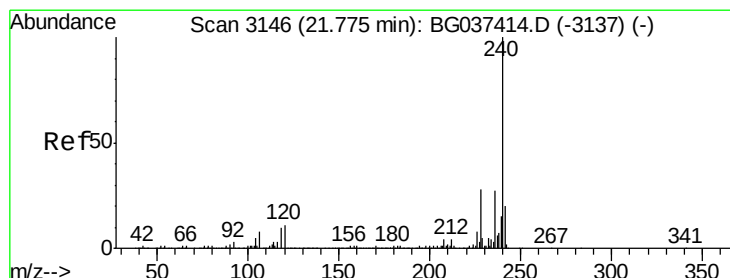
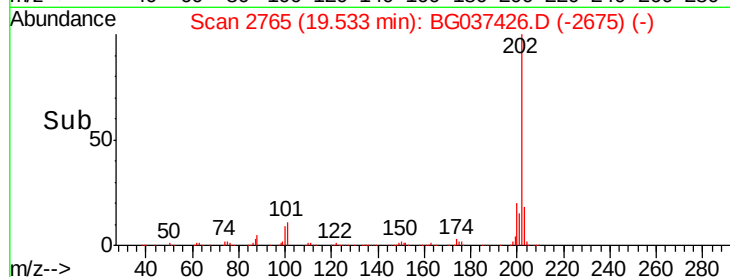
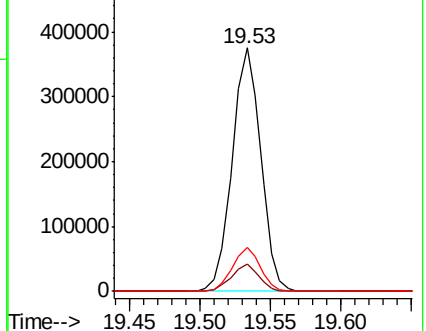
203 17.8 0.0 38.5



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: 21.77 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

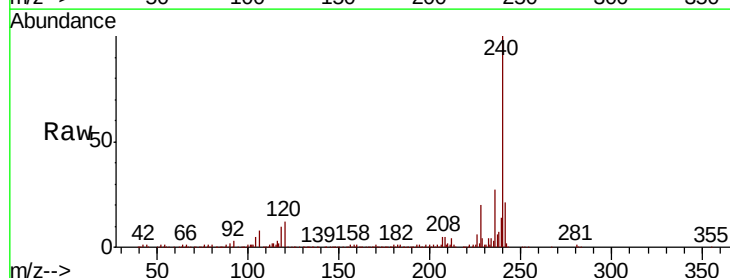
Tgt Ion:240 Resp: 366565

Ion Ratio Lower Upper

240 100

120 11.8 8.1 12.1

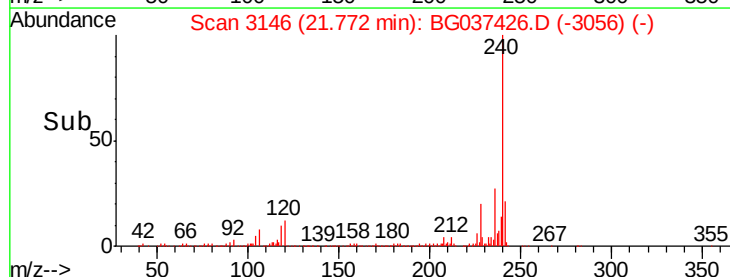
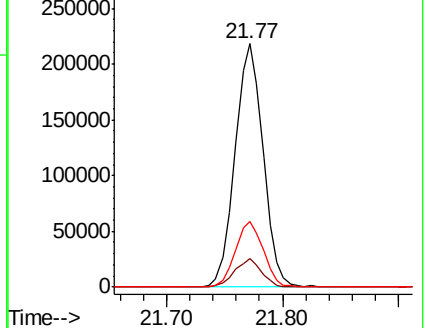
236 27.1 21.4 32.0

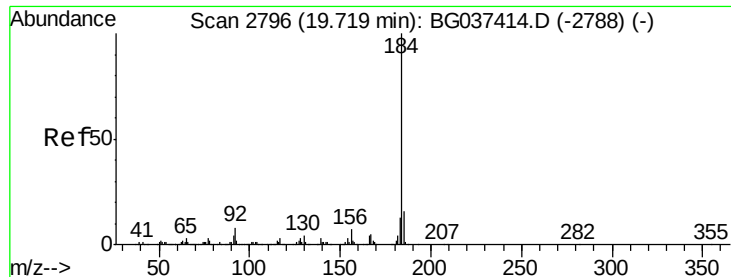


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

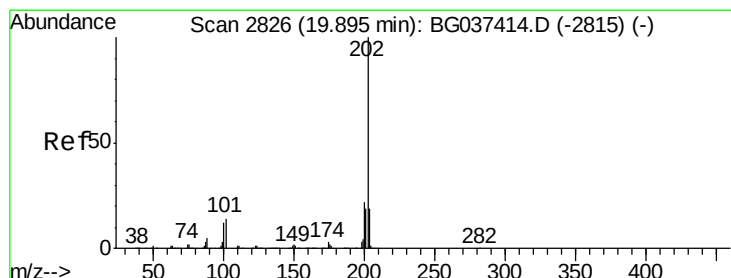
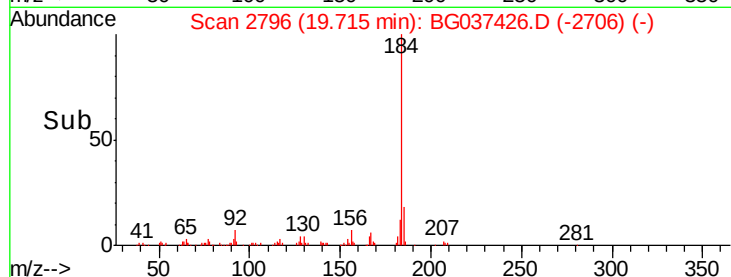
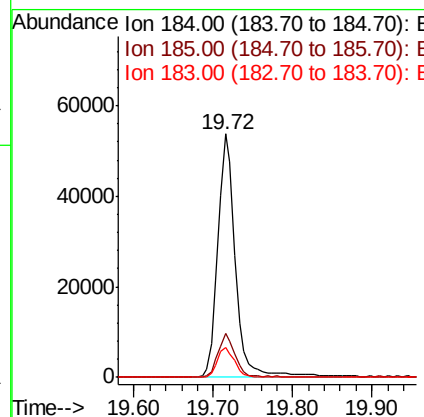
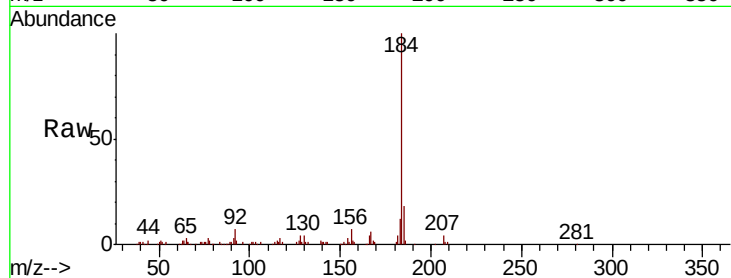




#77
Benzidine
Concen: 6.661 ng
RT: 19.72 min Scan# 2796
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

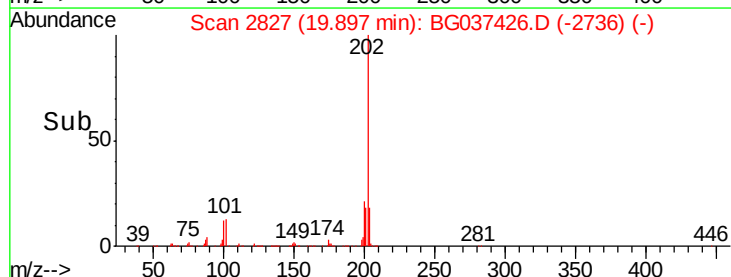
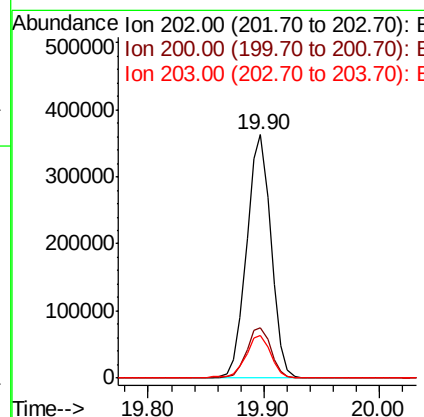
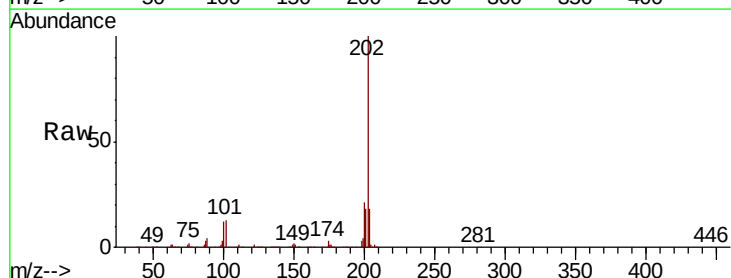
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

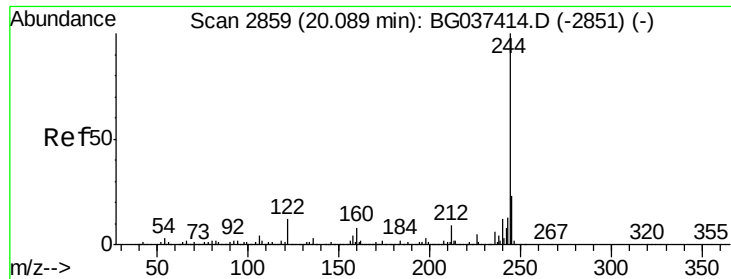
Tot Ion:184 Resp: 83021
Ion Ratio Lower Upper
184 100
185 18.0 12.6 18.8
183 12.0 10.2 15.2



#78
Pyrene
Concen: 22.118 ng
RT: 19.90 min Scan# 2827
Delta R.T. 0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion:202 Resp: 530018
Ion Ratio Lower Upper
202 100
200 20.5 17.8 26.6
203 17.7 15.2 22.8





#79

Terphenyl-d14

Concen: 78.919 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

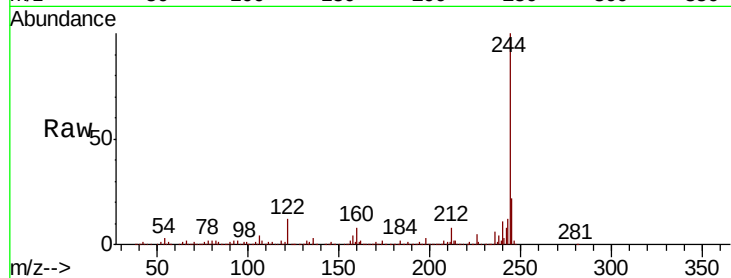
Tot Ion:244 Resp: 1353865

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

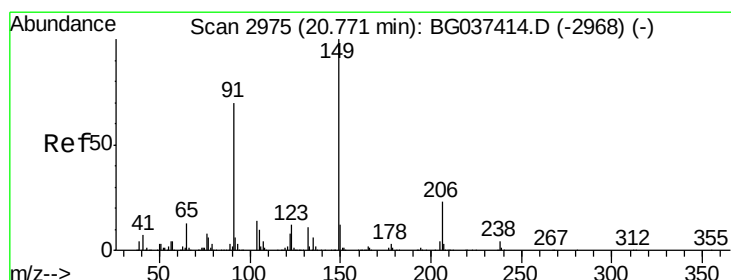
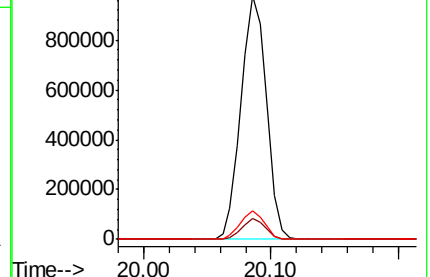
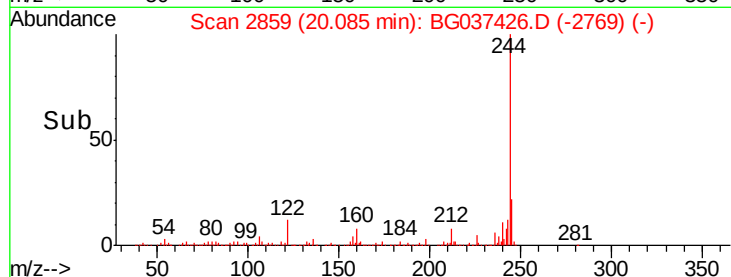
122 11.7 9.0 13.4



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: 20.794 ng

RT: 20.77 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

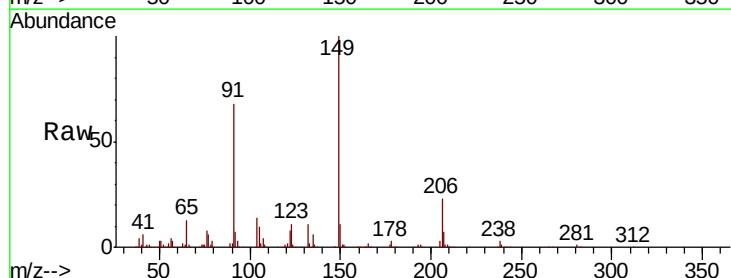
Tgt Ion:149 Resp: 203931

Ion Ratio Lower Upper

149 100

91 68.3 57.0 85.4

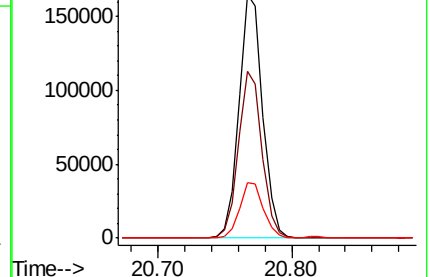
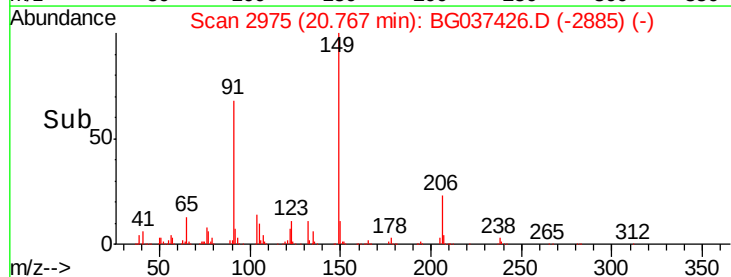
206 22.6 17.8 26.6

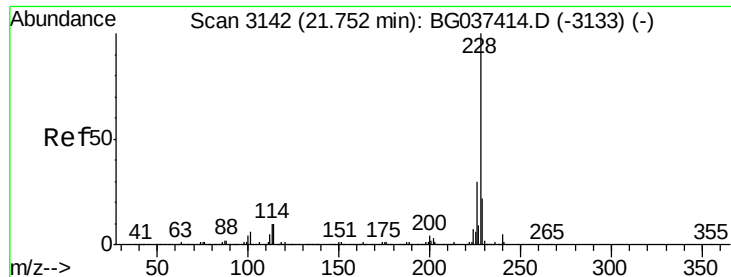


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 22.175 ng

RT: 21.75 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

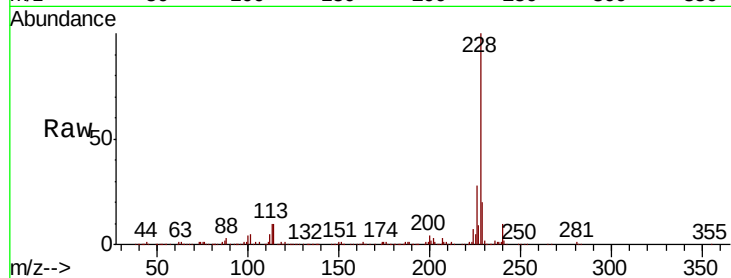
Tot Ion:228 Resp: 480809

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

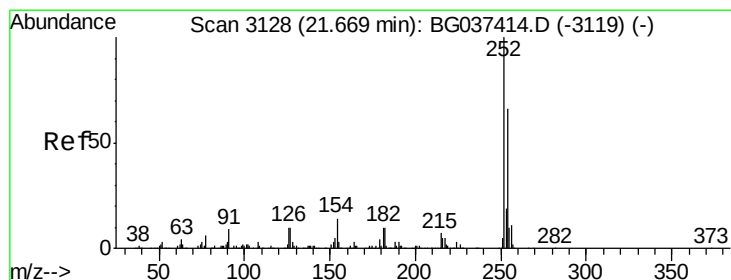
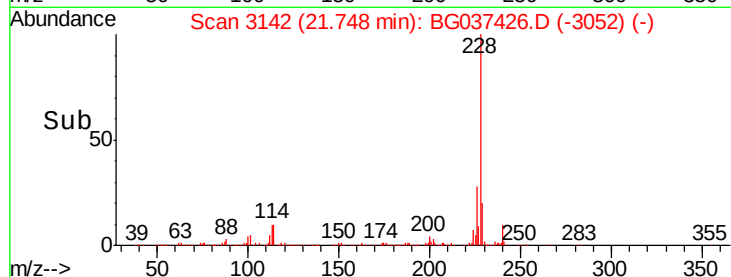
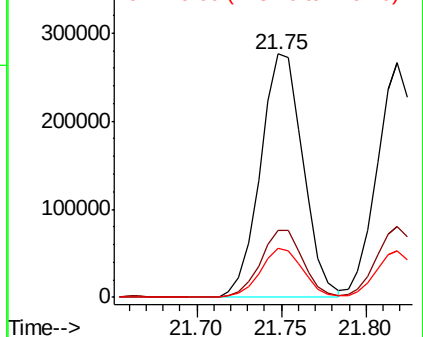
229 20.0 16.3 24.5



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: 14.198 ng

RT: 21.67 min Scan# 3128

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

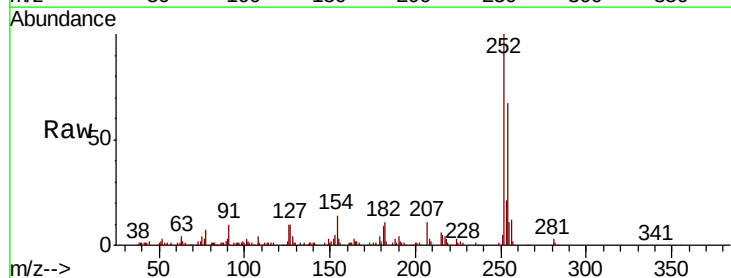
Tgt Ion:252 Resp: 119317

Ion Ratio Lower Upper

252 100

254 67.2 52.0 78.0

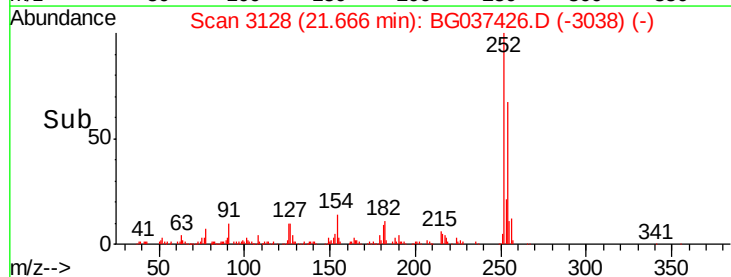
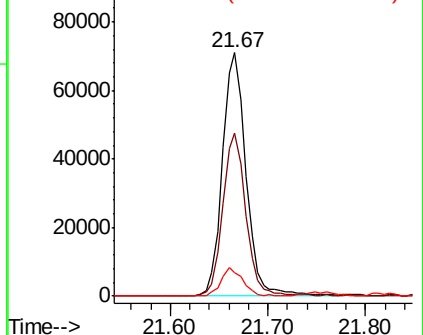
126 9.8 8.2 12.4

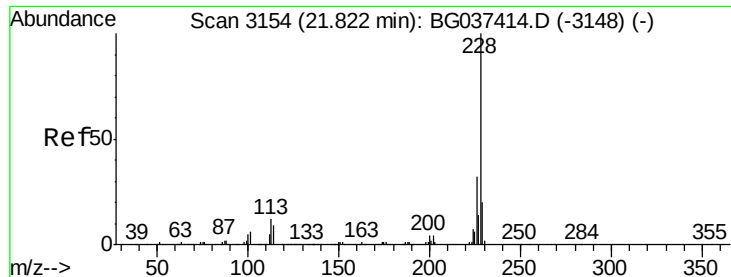


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

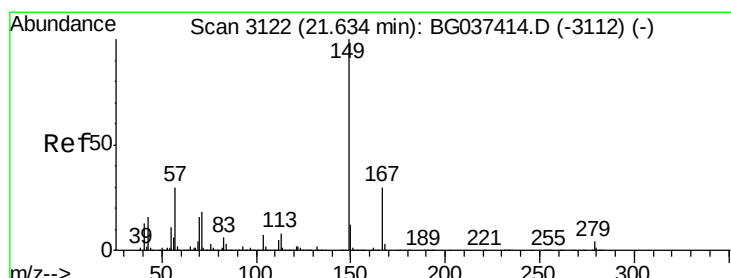
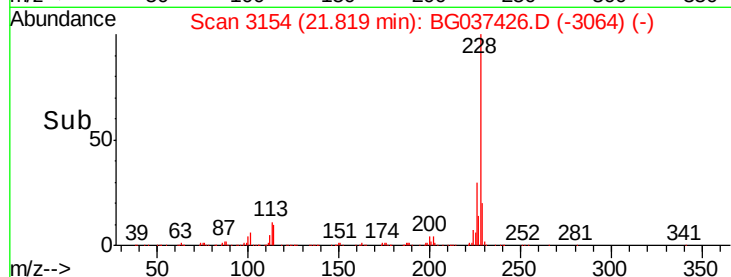
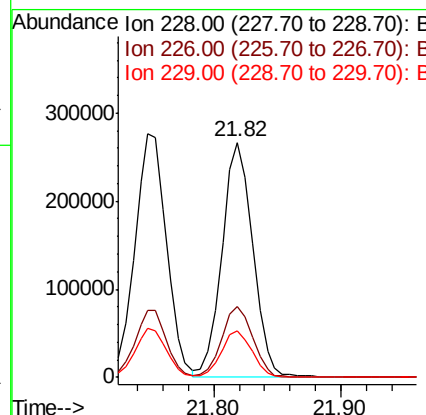
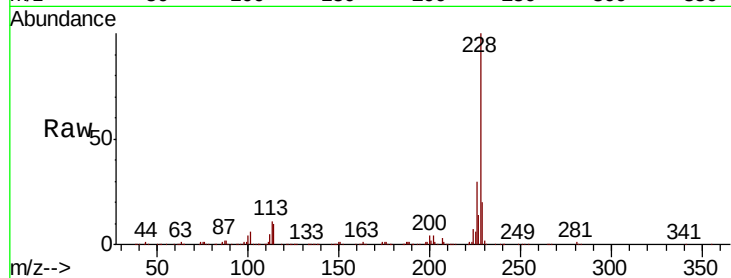




#83
Chrysene
Concen: 21.453 ng
RT: 21.82 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

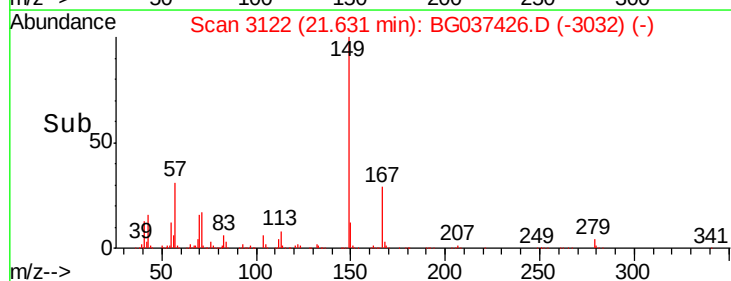
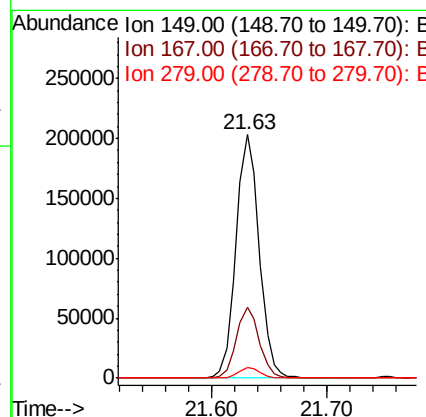
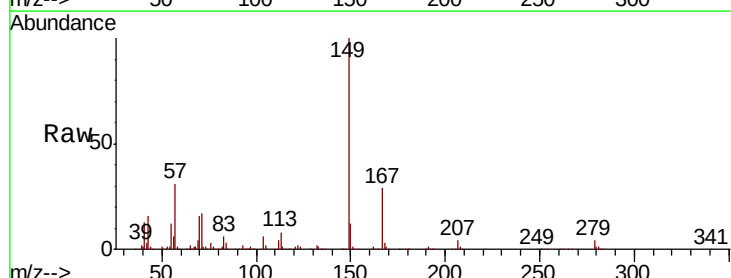
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

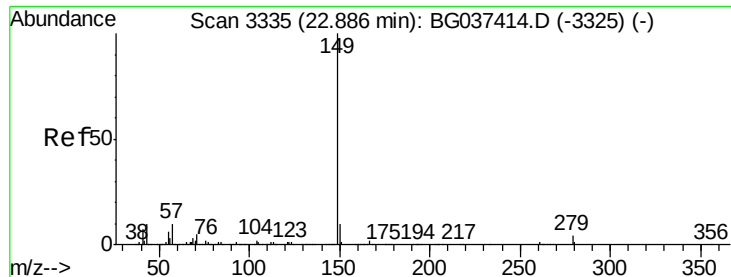
Tot	Ion:228	Resp:	447275
Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.7	38.5
229	20.0	16.5	24.7



#84
Bis(2-ethylhexyl)phthalate
Concen: 20.561 ng
RT: 21.63 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion	149	Resp: Lower	282650 Upper
	Ratio		
149	100		
167	29.3	23.0	34.4
279	4.4	3.6	5.4

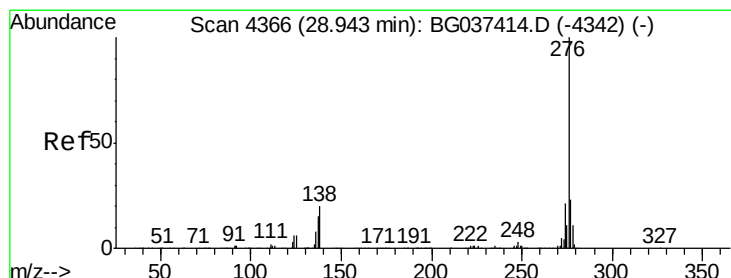
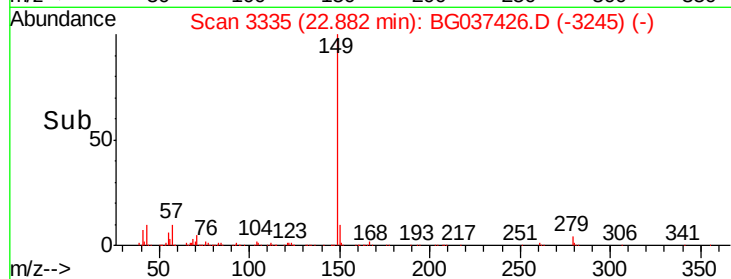
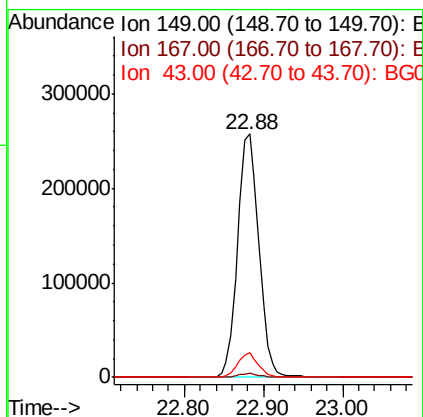
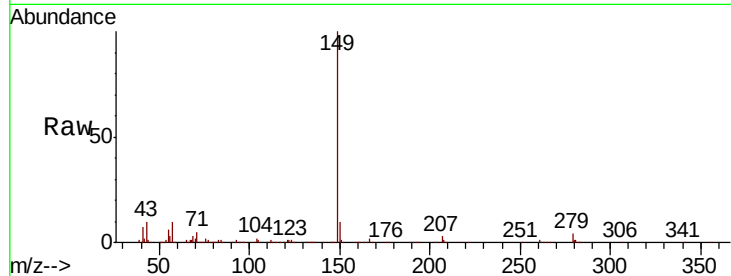




#85
Di-n-octyl phthalate
Concen: 21.390 ng
RT: 22.88 min Scan# 3335
Delta R.T. -0.00 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

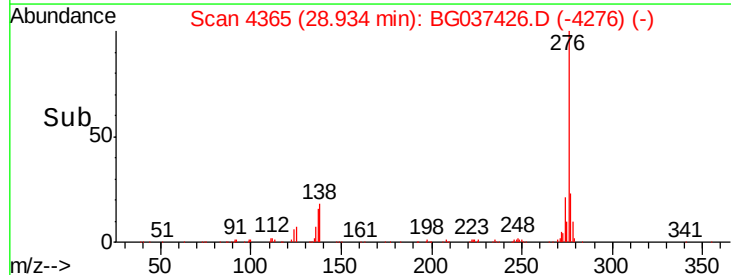
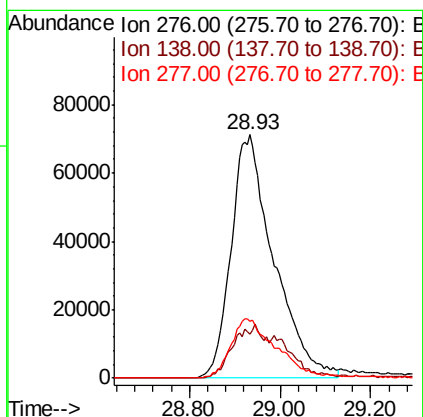
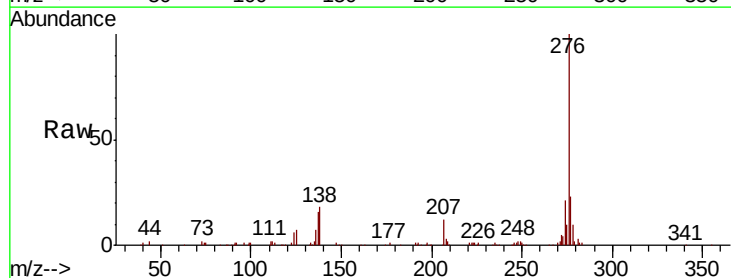
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

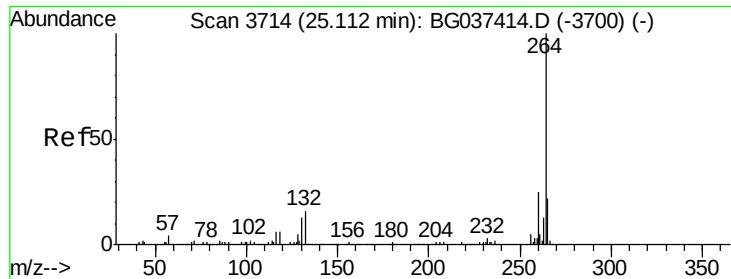
Tot Ion:149 Resp: 479474
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.8 8.7 13.1



#86
Indeno(1,2,3-cd)pyrene
Concen: 20.775 ng
RT: 28.93 min Scan# 4365
Delta R.T. -0.01 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion:276 Resp: 464569
Ion Ratio Lower Upper
276 100
138 16.2 12.0 18.0
277 25.9 20.6 30.8



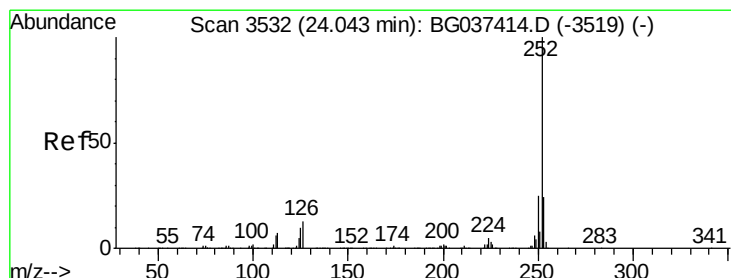
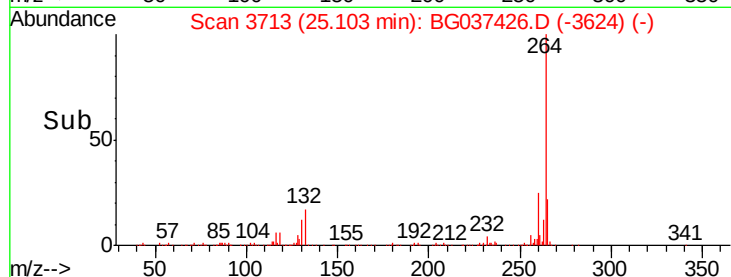
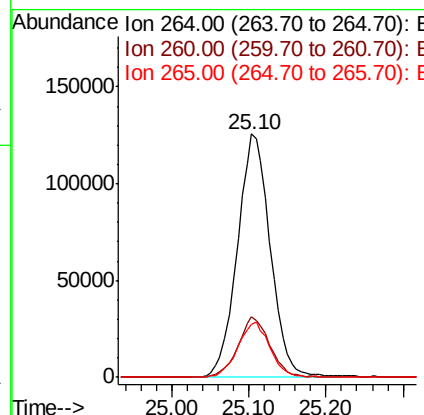
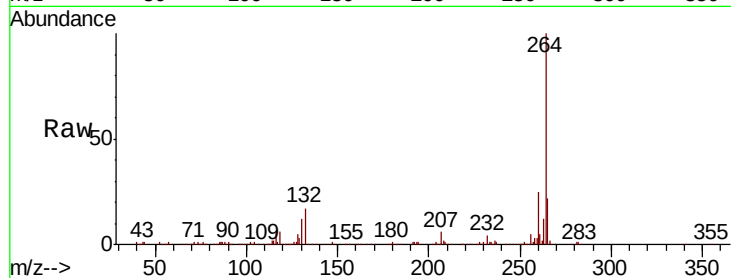


#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tot Ion:264 Resp: 375314

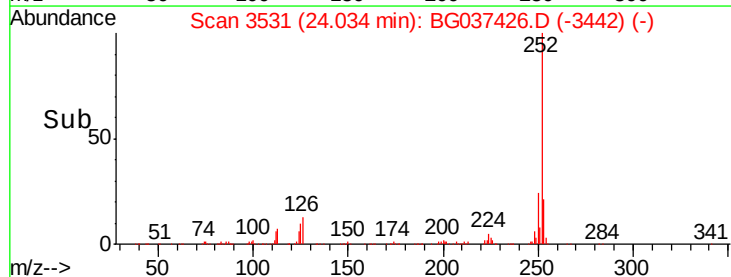
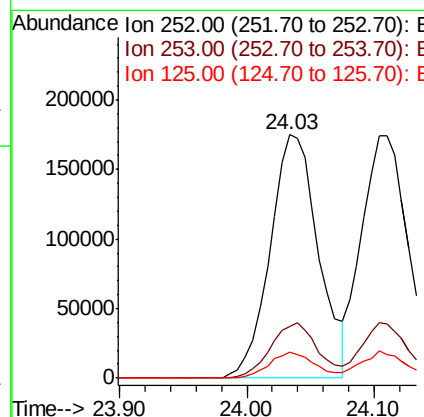
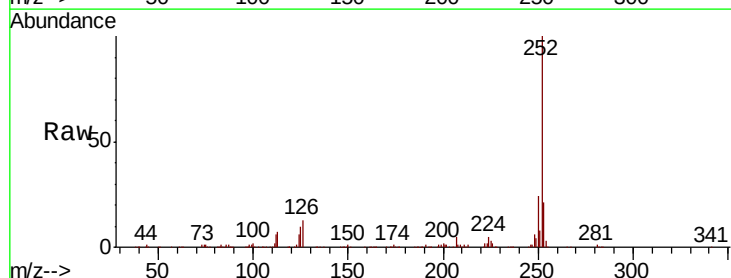
Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.2	27.4
265	21.8	17.9	26.9

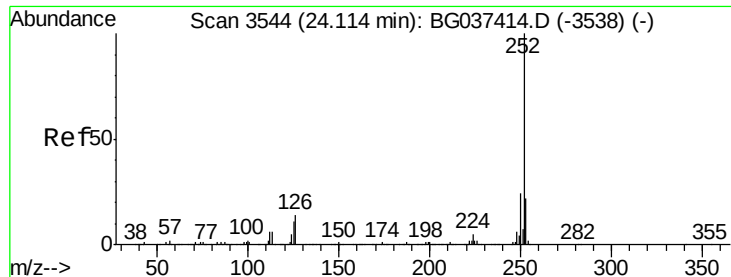


#88
Benzo(b)fluoranthene
Concen: 22.511 ng
RT: 24.03 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion:252 Resp: 463181

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.2	27.2
125	10.4	7.8	11.6





#89

Benzo(k)fluoranthene

Concen: 22.252 ng

RT: 24.11 min Scan# 3544

Delta R.T. -0.00 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

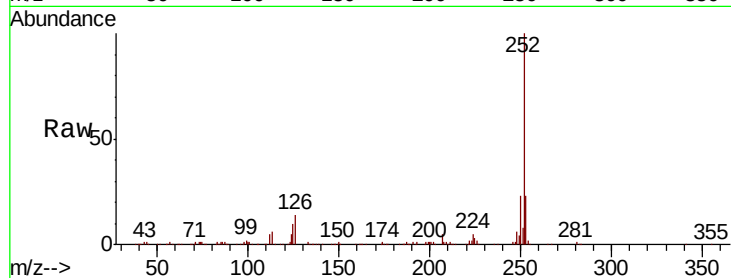
Tot Ion:252 Resp: 448582

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

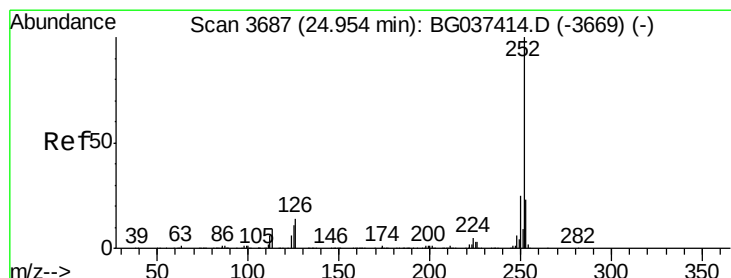
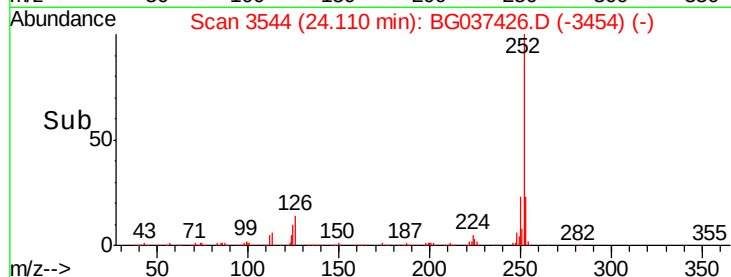
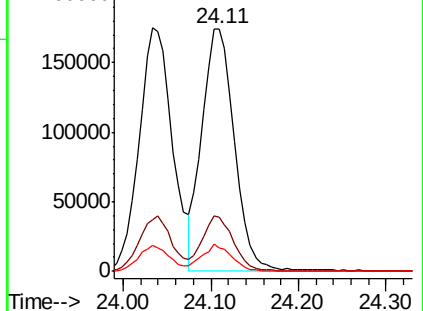
125 9.6 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 22.495 ng

RT: 24.94 min Scan# 3686

Delta R.T. -0.01 min

Lab File: BG037426.D

Acq: 18 Oct 2018 19:16

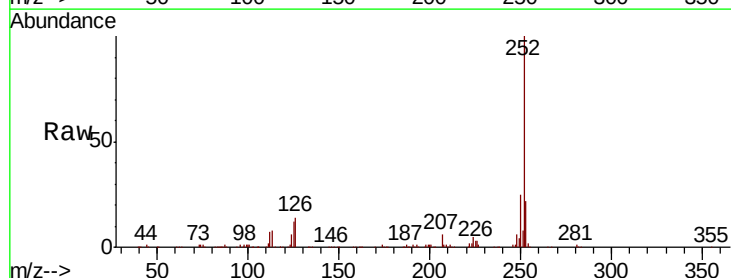
Tgt Ion:252 Resp: 439815

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

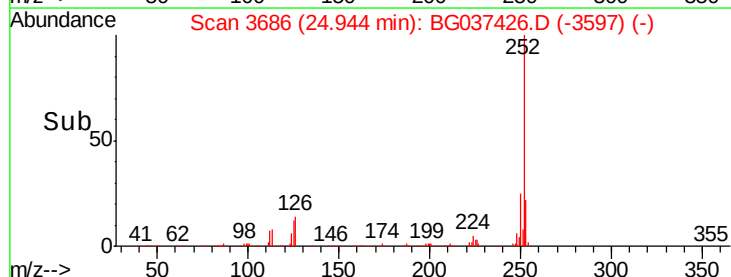
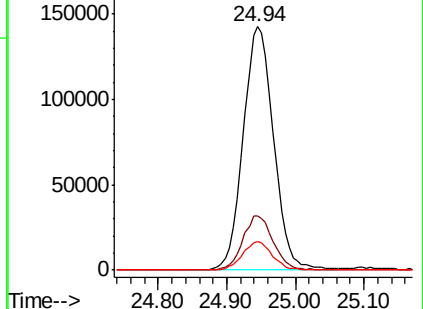
125 11.8 9.0 13.6

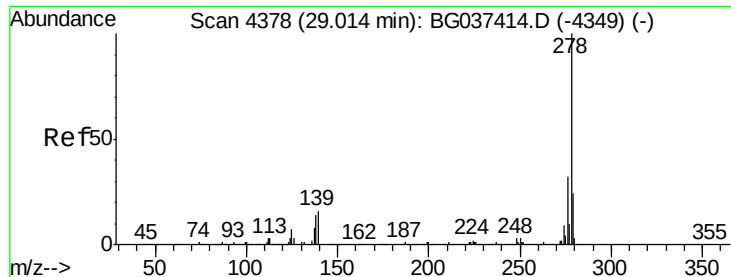


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

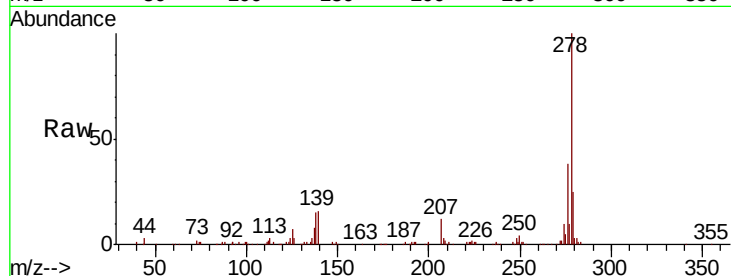




#91
Dibenzo(a,h)anthracene
Concen: 21.187 ng
RT: 29.00 min Scan# 4377
Delta R.T. -0.01 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.7	11.5	17.3
279	24.8	18.6	27.8

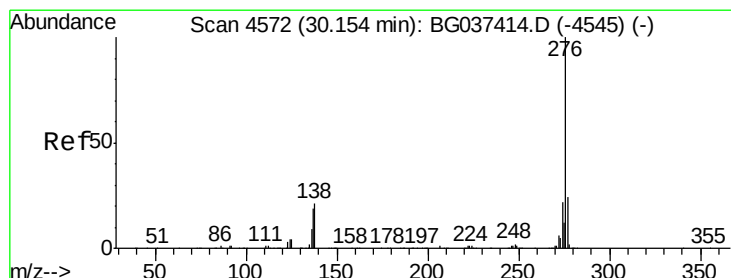
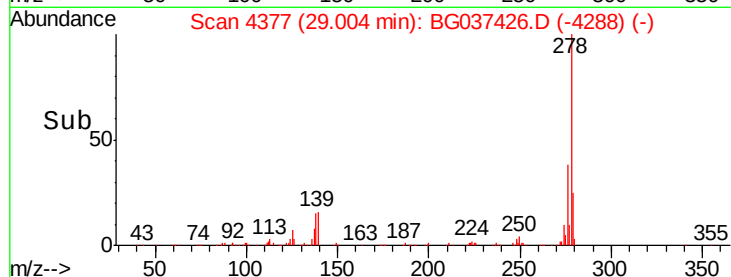
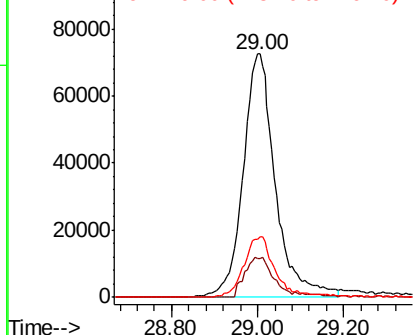


Abundance

Ion 278.00 (277.70 to 278.70): E

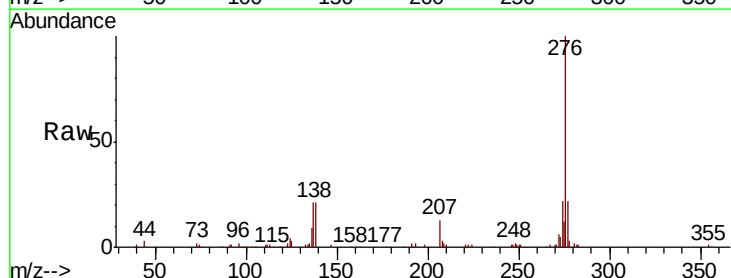
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 21.496 ng
RT: 30.13 min Scan# 4569
Delta R.T. -0.02 min
Lab File: BG037426.D
Acq: 18 Oct 2018 19:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.0	18.9	28.3
138	21.3	17.2	25.8



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

