

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037451.D
 Acq On : 19 Oct 2018 13:21
 Operator : JU/SJ
 Sample : J5164-01
 Misc : LOD 8PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Quant Time: Oct 19 23:29:01 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	50410	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	234191	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	160576	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	392858	20.00	ng	0.00
76) Chrysene-d12	21.77	240	365611	20.00	ng	0.00
87) Perylene-d12	25.11	264	362439	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	426374	141.41	ng	0.00
7) Phenol-d6	7.25	99	622664	136.57	ng	0.00
23) Nitrobenzene-d5	9.28	82	356409	85.25	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	242626	138.53	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	873085	81.99	ng	0.00
79) Terphenyl-d14	20.09	244	1350755	78.94	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	9937	6.499	ng	97
3) Pyridine	3.95	79	30678	7.960	ng	89
4) n-Nitrosodimethylamine	3.86	42	12205	8.891	ng	95
6) Aniline	7.43	93	31551	5.672	ng	92
8) 2-Chlorophenol	7.67	128	28145	7.979	ng	99
9) Benzaldehyde	7.25	77	20169	7.072	ng	93
10) Phenol	7.27	94	40009	8.317	ng	93
11) bis(2-Chloroethyl)ether	7.53	93	27731	7.590	ng	92
12) 1,3-Dichlorobenzene	7.99	146	29951	7.627	ng	96
13) 1,4-Dichlorobenzene	8.14	146	29927	7.450	ng	96
14) 1,2-Dichlorobenzene	8.46	146	28690	7.425	ng	96
15) Benzyl Alcohol	8.34	79	25771	7.650	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.63	45	51503	7.878	ng	98
17) 2-Methylphenol	8.53	107	25070	7.883	ng	95
18) Hexachloroethane	9.19	117	10643	7.772	ng	99
19) n-Nitroso-di-n-propylamine	8.91	70	23209	7.392	ng	92
20) 3+4-Methylphenols	8.86	107	36495	8.026	ng	94
22) Acetophenone	8.93	105	46491	7.916	ng	# 97
24) Nitrobenzene	9.33	77	34932	8.043	ng	90
25) Isophorone	9.84	82	64102	8.392	ng	98
26) 2-Nitrophenol	10.04	139	12607	6.444	ng	92
27) 2,4-Dimethylphenol	10.07	122	30144	8.629	ng	94
28) bis(2-Chloroethoxy)methane	10.33	93	40587	8.110	ng	98
29) 2,4-Dichlorophenol	10.56	162	29455	7.573	ng	98
30) 1,2,4-Trichlorobenzene	10.78	180	32621	7.713	ng	99
31) Naphthalene	10.98	128	97078	8.439	ng	98
32) Benzoic acid	10.13	122	6744	2.972	ng	99
33) 4-Chloroaniline	11.09	127	29643	5.485	ng	97
34) Hexachlorobutadiene	11.25	225	19022	7.588	ng	94
35) Caprolactam	11.85	113	10363	6.643	ng	88
36) 4-Chloro-3-methylphenol	12.18	107	32890	7.498	ng	96
37) 2-Methylnaphthalene	12.58	142	75283	8.978	ng	97
38) 1-Methylnaphthalene	12.79	142	71683	8.803	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	37987	7.334	ng	98

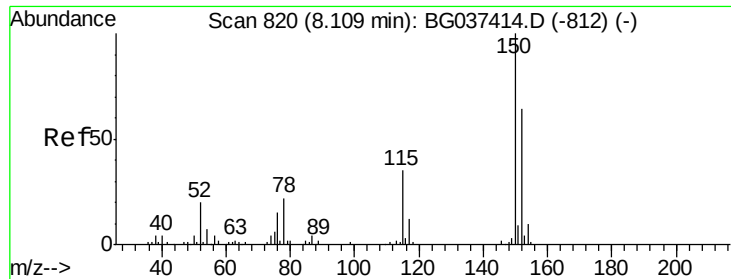
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037451.D
 Acq On : 19 Oct 2018 13:21
 Operator : JU/SJ
 Sample : J5164-01
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 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	19053	7.701	ng	98
43) 2,4,6-Trichlorophenol	13.17	196	23725	6.856	ng	98
44) 2,4,5-Trichlorophenol	13.24	196	29432	7.812	ng	94
46) 1,1'-Biphenyl	13.58	154	97743	7.350	ng	97
47) 2-Chloronaphthalene	13.62	162	77379	7.691	ng	96
48) 2-Nitroaniline	13.83	65	21790	7.142	ng	97
49) Acenaphthylene	14.46	152	129847	8.580	ng	98
50) Dimethylphthalate	14.19	163	101748	8.191	ng	97
51) 2,6-Dinitrotoluene	14.32	165	20066	7.302	ng	90
52) Acenaphthene	14.80	154	73308	7.865	ng	97
53) 3-Nitroaniline	14.65	138	19472	6.383	ng	96
54) 2,4-Dinitrophenol	14.85	184	1917	9.080	ng	98
55) Dibenzofuran	15.13	168	128702	8.334	ng	96
56) 4-Nitrophenol	14.93	139	12648	5.601	ng	91
57) 2,4-Dinitrotoluene	15.10	165	26683	7.397	ng	# 95
58) Fluorene	15.78	166	101130	8.745	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.36	232	24026	7.448	ng	# 97
60) Diethylphthalate	15.54	149	104694	8.209	ng	97
61) 4-Chlorophenyl-phenylether	15.77	204	52007	7.716	ng	95
62) 4-Nitroaniline	15.81	138	22633	7.466	ng	85
63) Azobenzene	16.07	77	101009	8.301	ng	98
65) 4,6-Dinitro-2-methylphenol	15.86	198	6763	11.207	ng	95
66) n-Nitrosodiphenylamine	15.99	169	93250	7.891	ng	97
67) 4-Bromophenyl-phenylether	16.67	248	31844	7.381	ng	96
68) Hexachlorobenzene	16.78	284	32819	7.340	ng	98
69) Atrazine	16.92	200	31365	7.341	ng	99
70) Pentachlorophenol	17.12	266	12144	4.055	ng	89
71) Phenanthrene	17.53	178	173994	8.714	ng	95
72) Anthracene	17.62	178	173947	8.878	ng	99
73) Carbazole	17.89	167	154236	7.869	ng	97
74) Di-n-butylphthalate	18.43	149	171641	7.872	ng	98
75) Fluoranthene	19.53	202	197435	8.719	ng	96
77) Benzidine	19.72	184	22783	1.833	ng	97
78) Pyrene	19.90	202	201010	8.410	ng	96
80) Butylbenzylphthalate	20.77	149	69762	7.132	ng	93
81) Benzo(a)anthracene	21.75	228	183411	8.481	ng	99
82) 3,3'-Dichlorobenzidine	21.67	252	42927	5.121	ng	97
83) Chrysene	21.82	228	173777	8.357	ng	99
84) Bis(2-ethylhexyl)phthalate	21.63	149	99080	7.226	ng	99
85) Di-n-octyl phthalate	22.88	149	160240	7.167	ng	97
86) Indeno(1,2,3-cd)pyrene	28.92	276	155173	6.957	ng	# 67
88) Benzo(b)fluoranthene	24.03	252	166261	8.367	ng	98
89) Benzo(k)fluoranthene	24.10	252	165702	8.512	ng	100
90) Benzo(a)pyrene	24.94	252	155551	8.238	ng	98
91) Dibenzo(a,h)anthracene	29.00	278	126798	7.280	ng	98
92) Benzo(g,h,i)perylene	30.12	276	134892	7.655	ng	97

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

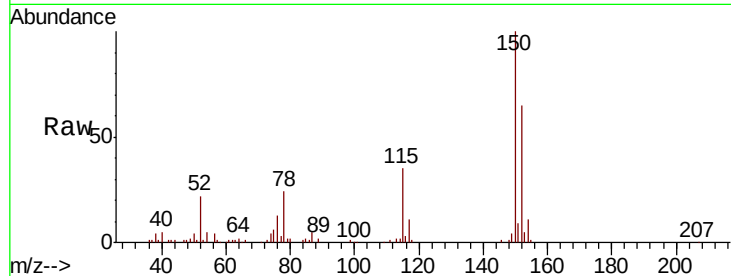


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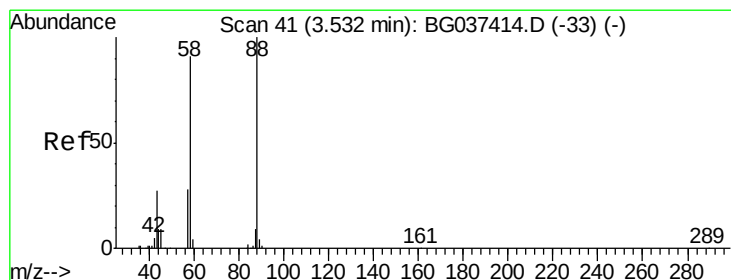
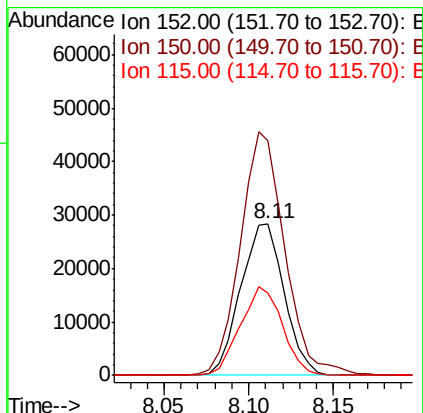
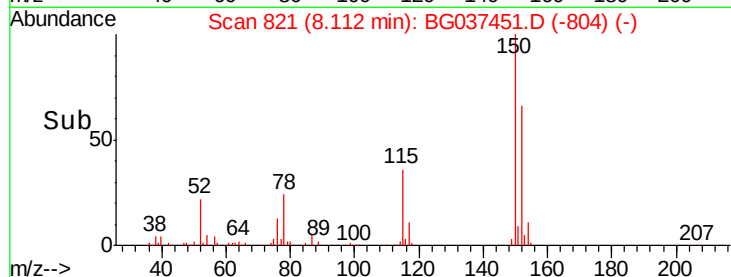
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. 0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:152 Resp: 50410
Ion Ratio Lower Upper
152 100
150 154.2 126.0 189.0
115 54.4 45.5 68.3



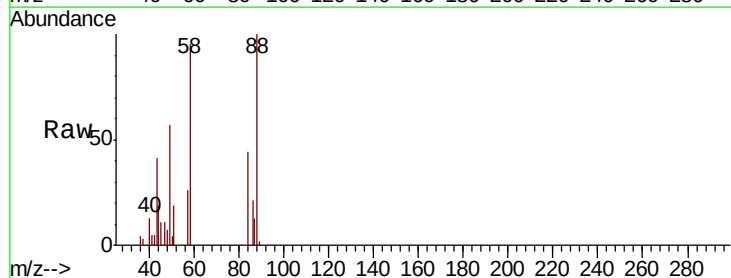
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



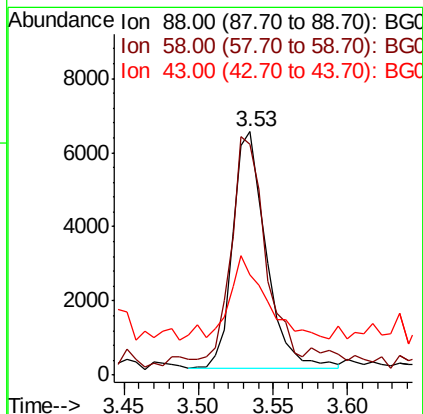
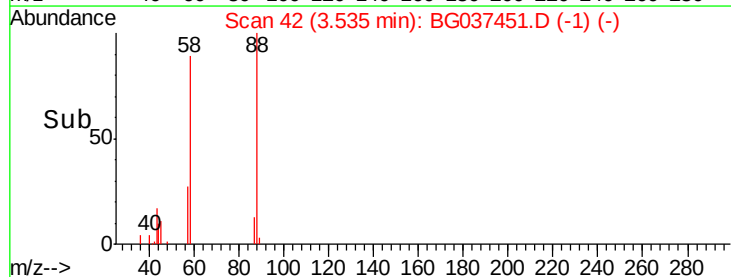
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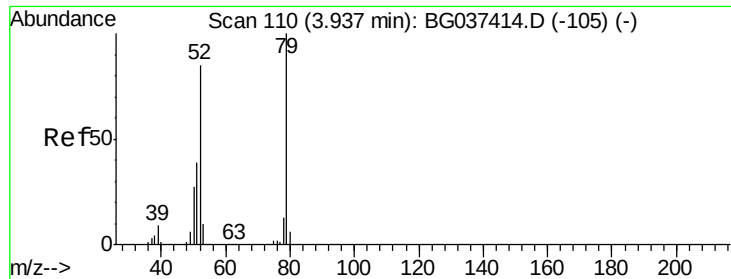
1,4-Dioxane
Concen: 6.499 ng
RT: 3.53 min Scan# 42
Delta R.T. 0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion: 88 Resp: 9937
Ion Ratio Lower Upper
88 100
58 93.8 74.4 111.6
43 37.2 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

Pyridine

Concen: 7.960 ng

RT: 3.95 min Scan# 112

Delta R.T. 0.01 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

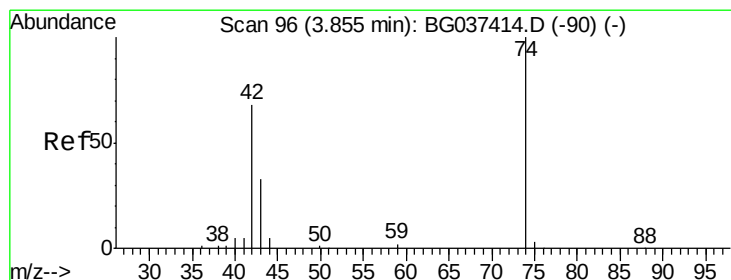
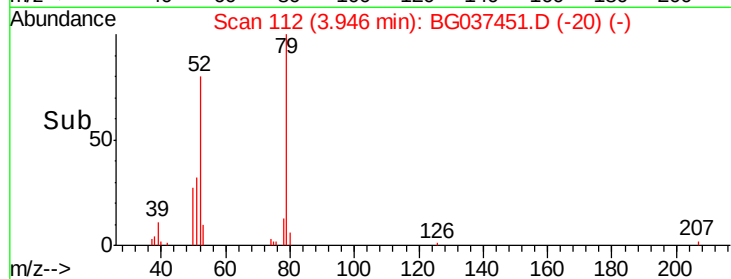
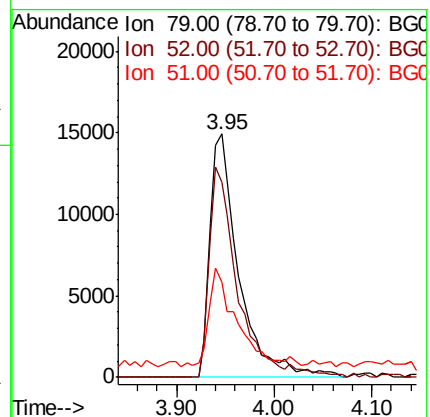
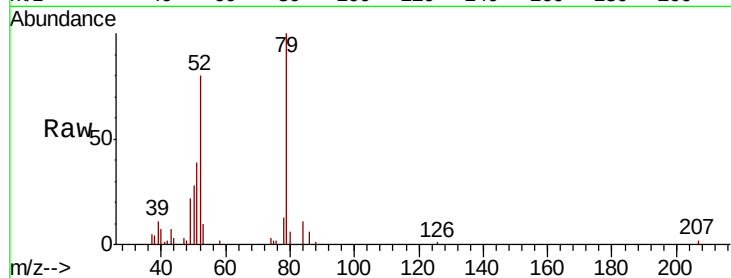
Tgt Ion: 79 Resp: 30678

Ion Ratio Lower Upper

79 100

52 79.9 74.2 111.2

51 39.1 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 8.891 ng

RT: 3.86 min Scan# 97

Delta R.T. 0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

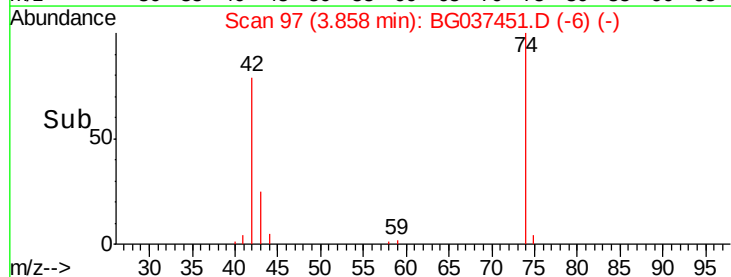
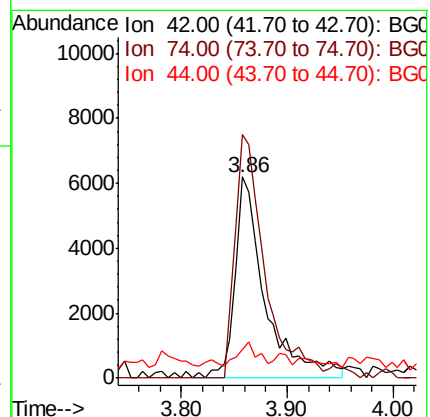
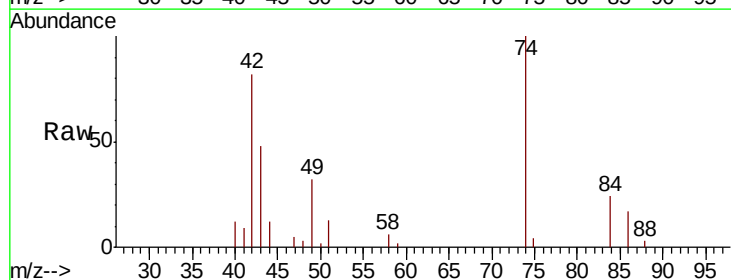
Tgt Ion: 42 Resp: 12205

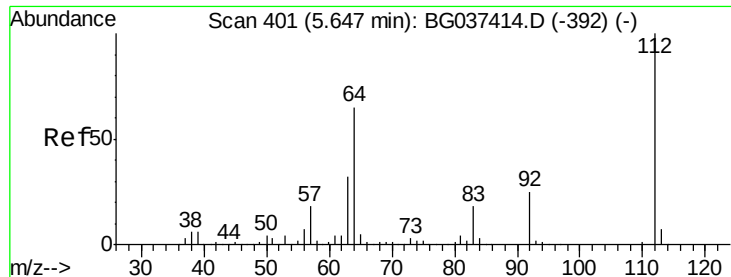
Ion Ratio Lower Upper

42 100

74 121.3 102.0 153.0

44 14.2 9.6 14.4





#5

2-Fluorophenol

Concen: 141.407 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

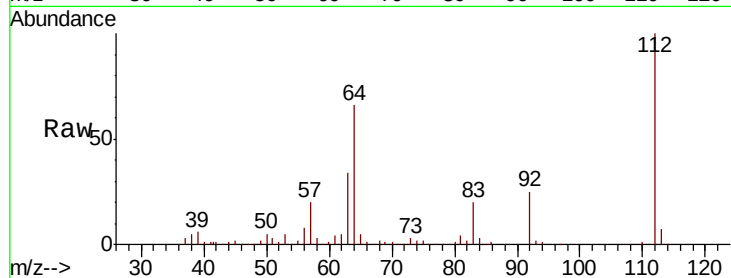
Tgt Ion: 112 Resp: 426374

Ion Ratio Lower Upper

112 100

64 66.0 53.1 79.7

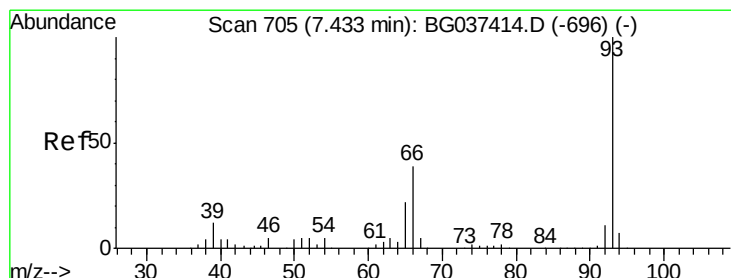
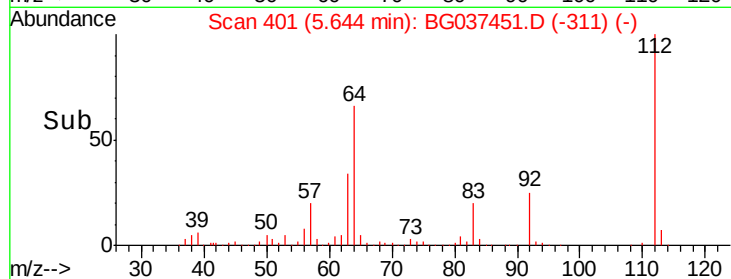
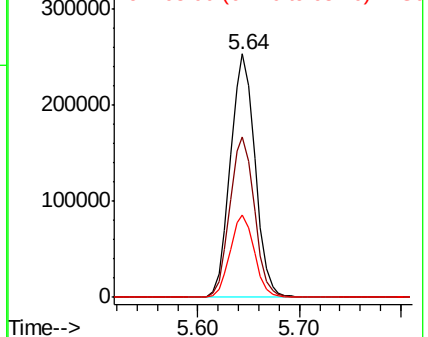
63 33.7 27.3 40.9



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: 5.672 ng

RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

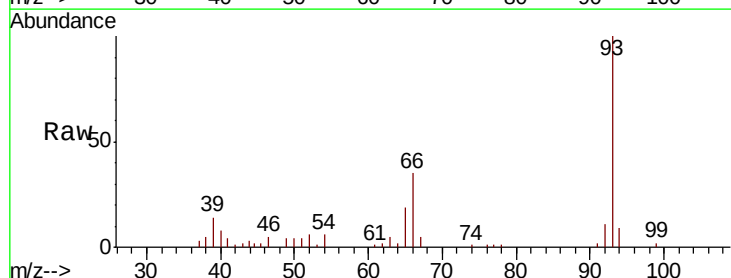
Tgt Ion: 93 Resp: 31551

Ion Ratio Lower Upper

93 100

66 34.5 32.8 49.2

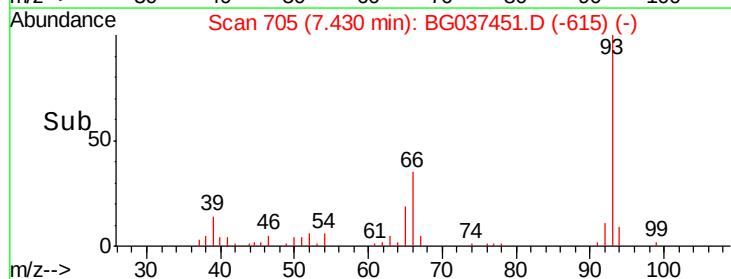
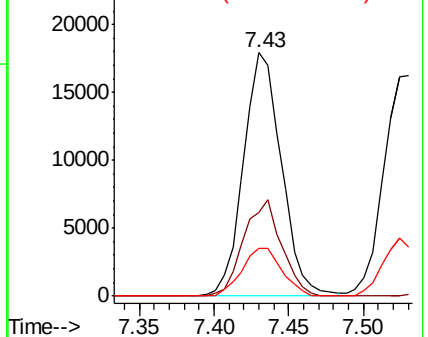
65 19.4 16.4 24.6

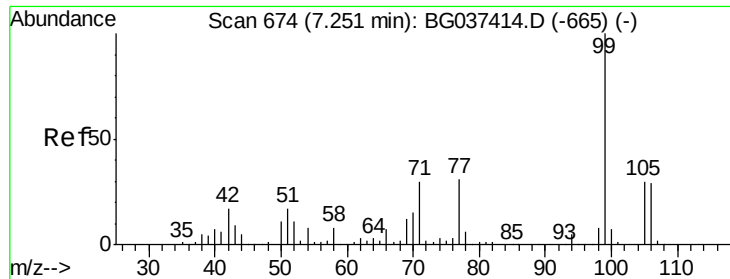


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 136.568 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

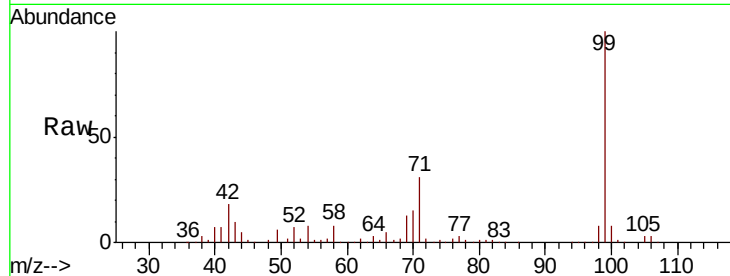
Tgt Ion: 99 Resp: 622664

Ion Ratio Lower Upper

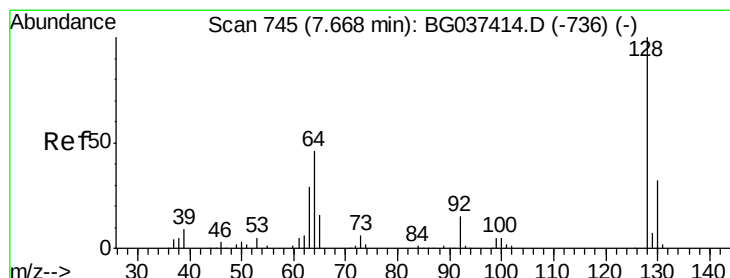
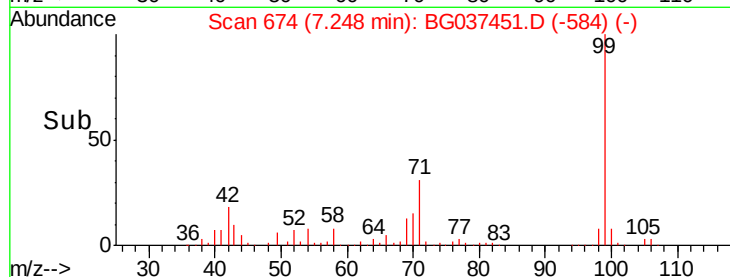
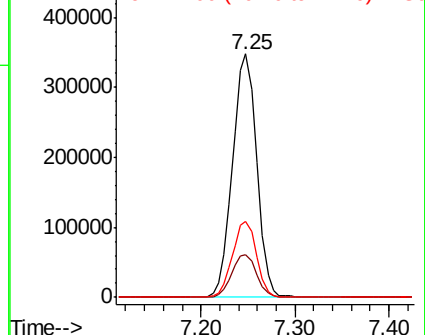
99 100

42 17.7 15.0 22.4

71 31.2 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: 7.979 ng

RT: 7.67 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

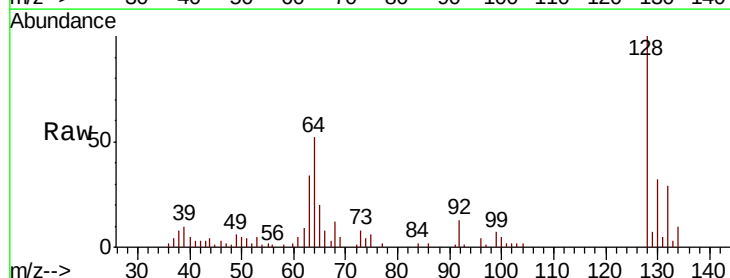
Tgt Ion: 128 Resp: 28145

Ion Ratio Lower Upper

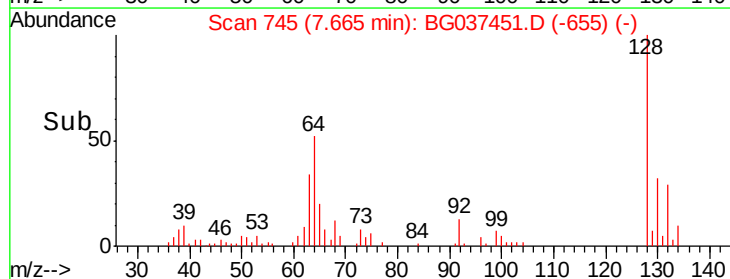
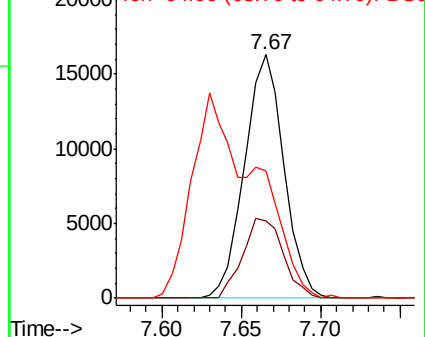
128 100

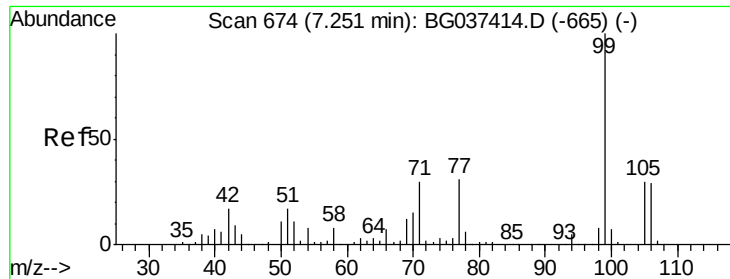
130 31.7 12.0 52.0

64 52.3 32.9 72.9



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





#9

Benzaldehyde

Concen: 7.072 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

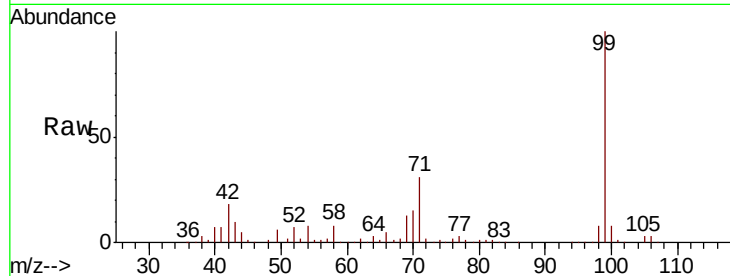
Tgt Ion: 77 Resp: 20169

Ion Ratio Lower Upper

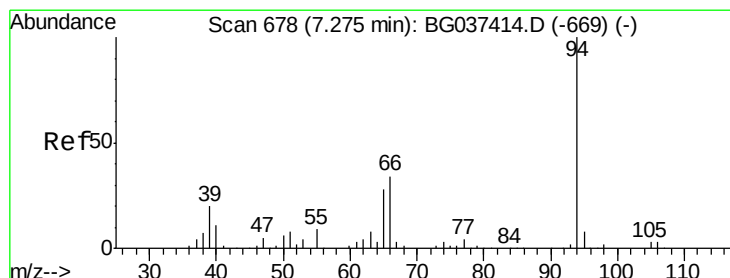
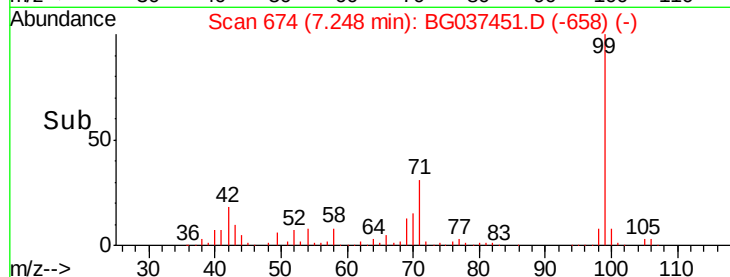
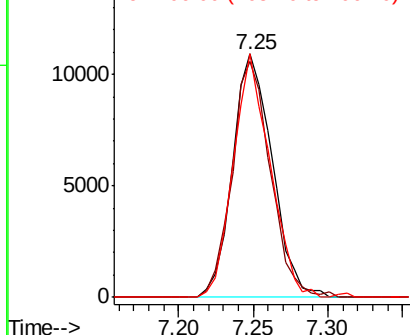
77 100

105 97.0 72.6 112.6

106 99.9 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: 8.317 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

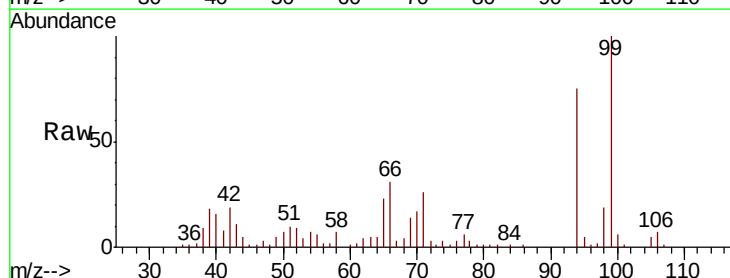
Tgt Ion: 94 Resp: 40009

Ion Ratio Lower Upper

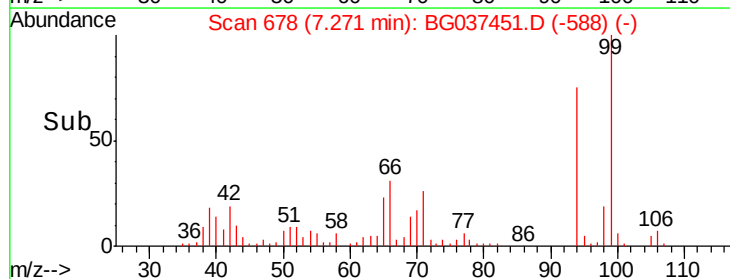
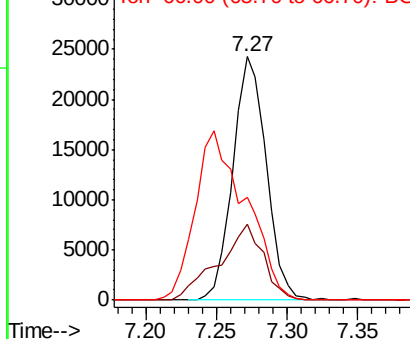
94 100

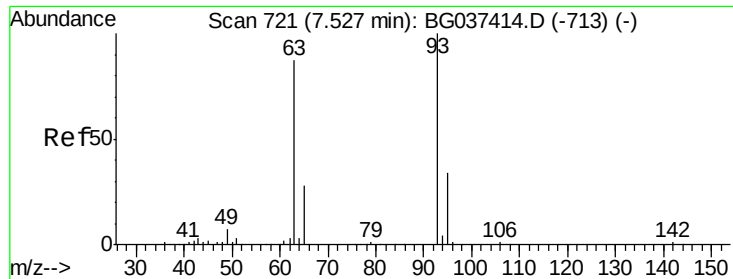
65 31.4 9.7 49.7

66 42.2 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: 7.590 ng

RT: 7.53 min Scan# 722

Delta R.T. 0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

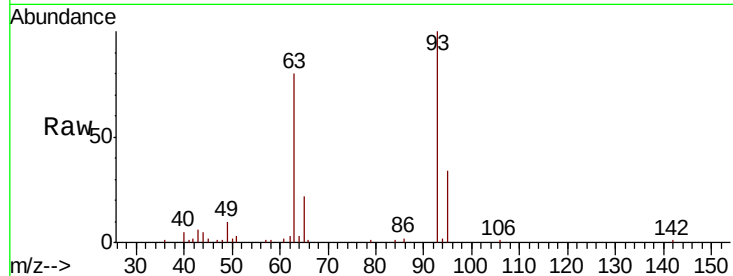
Tgt Ion: 93 Resp: 27731

Ion Ratio Lower Upper

93 100

63 80.0 69.5 109.5

95 34.2 12.6 52.6

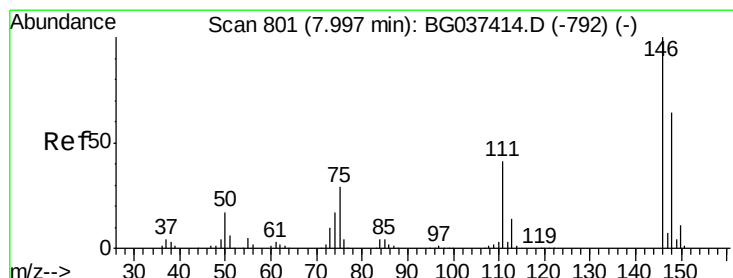
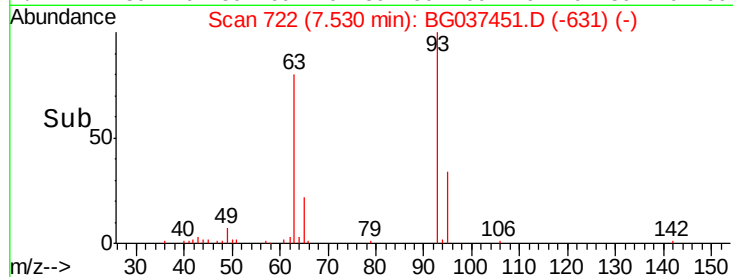
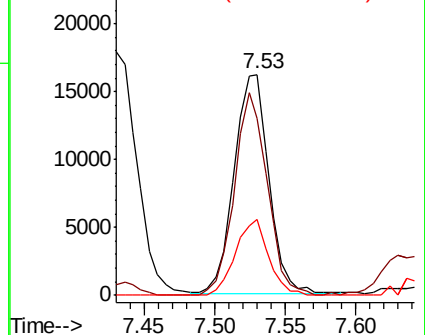


Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 7.627 ng

RT: 7.99 min Scan# 801

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

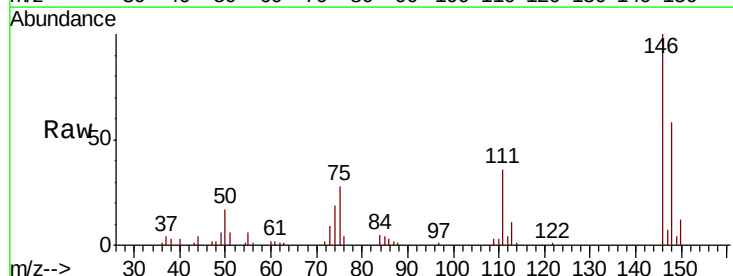
Tgt Ion: 146 Resp: 29951

Ion Ratio Lower Upper

146 100

148 58.2 49.8 74.8

75 27.8 23.2 34.8

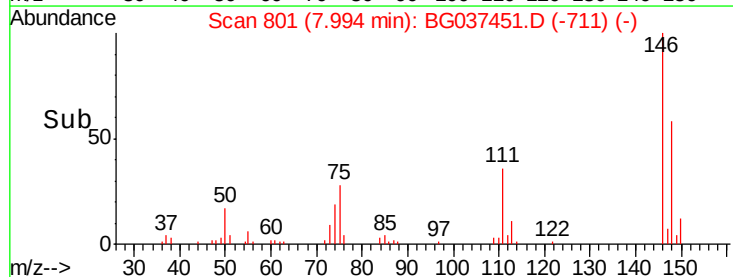
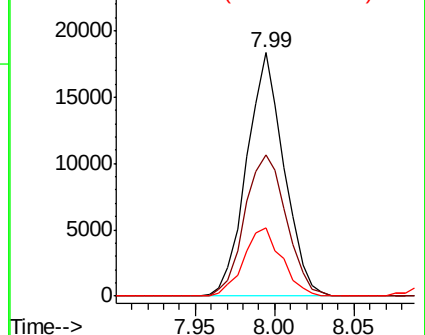


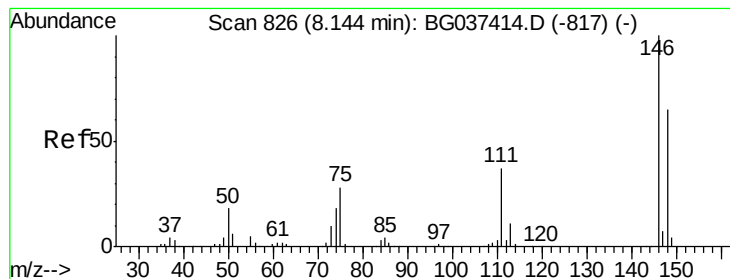
Abundance

Ion 146.00 (145.70 to 146.70): BGC

Ion 148.00 (147.70 to 148.70): BGC

Ion 75.00 (74.70 to 75.70): BGC





#13

1,4-Dichlorobenzene

Concen: 7.450 ng

RT: 8.14 min Scan# 826

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

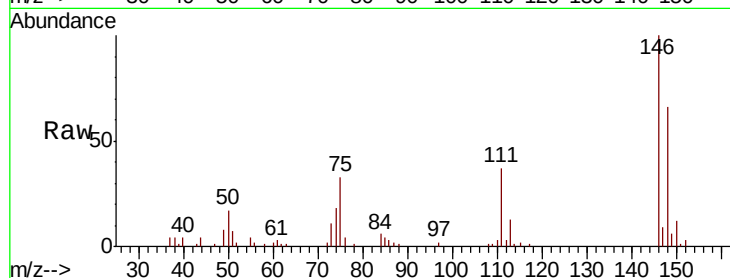
Tgt Ion:146 Resp: 29927

Ion Ratio Lower Upper

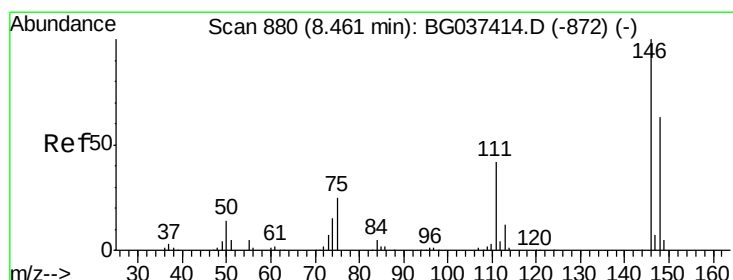
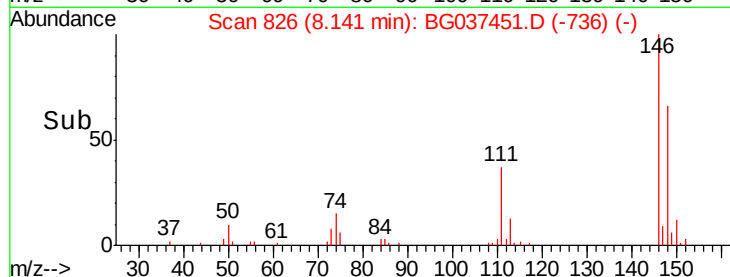
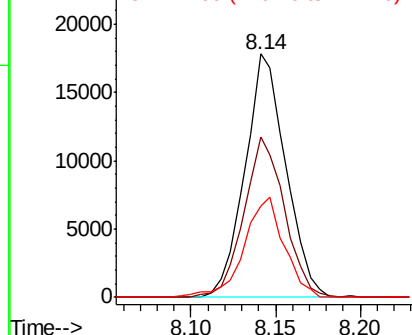
146 100

148 66.0 51.0 76.6

111 37.3 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: 7.425 ng

RT: 8.46 min Scan# 881

Delta R.T. 0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

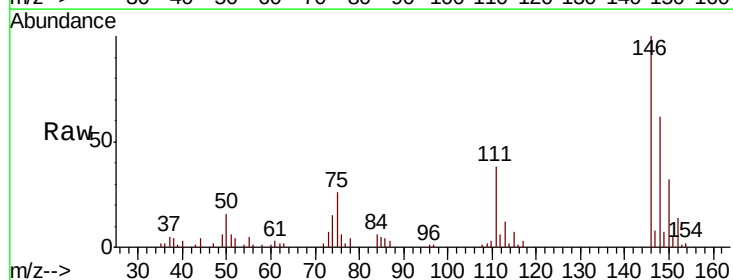
Tgt Ion:146 Resp: 28690

Ion Ratio Lower Upper

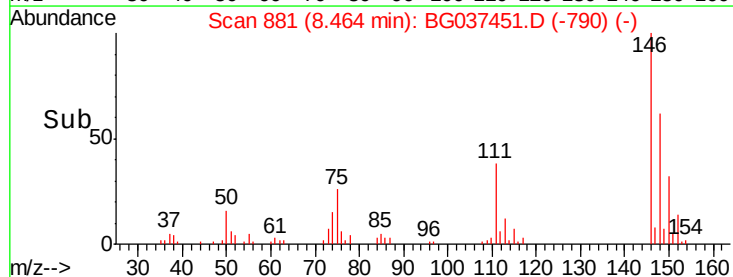
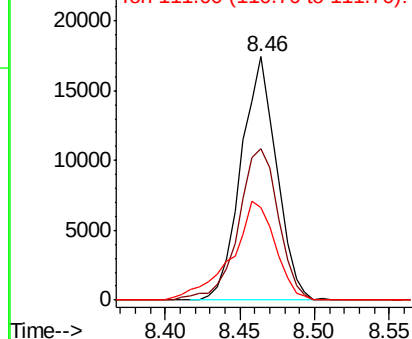
146 100

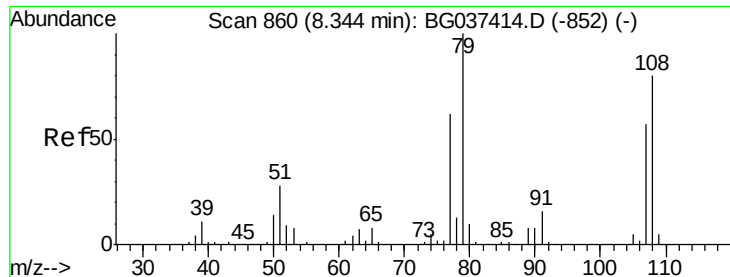
148 62.1 50.4 75.6

111 37.8 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: 7.650 ng

RT: 8.34 min Scan# 860

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

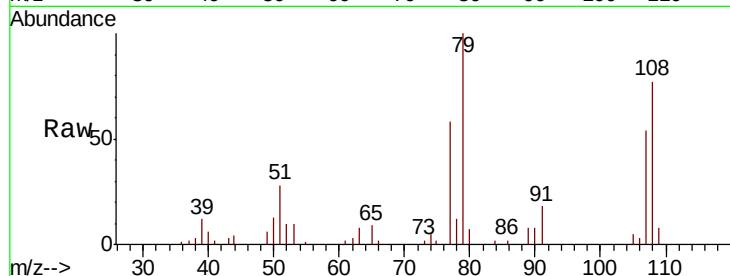
Tgt Ion: 79 Resp: 25771

Ion Ratio Lower Upper

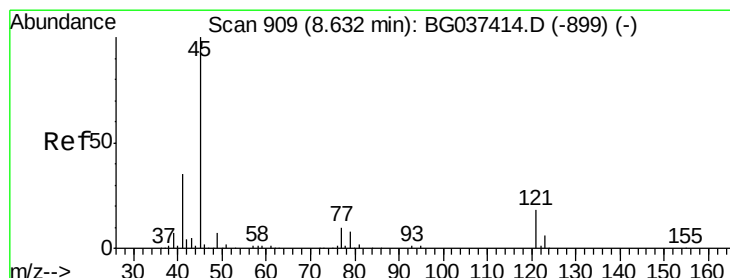
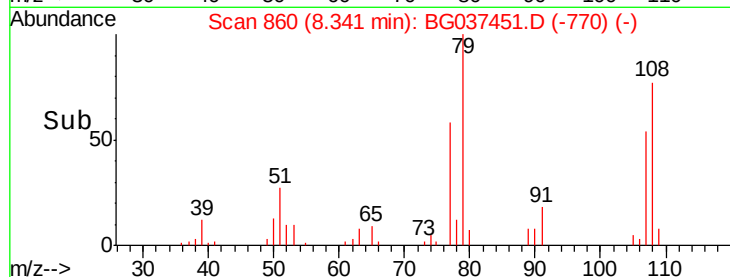
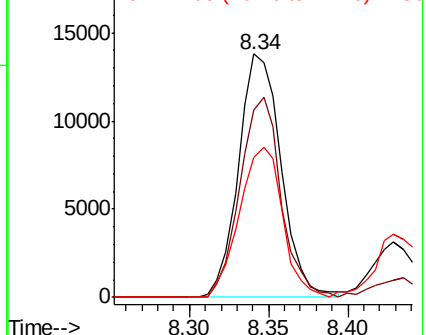
79 100

108 77.0 65.8 98.8

77 57.7 52.9 79.3



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.878 ng

RT: 8.63 min Scan# 909

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

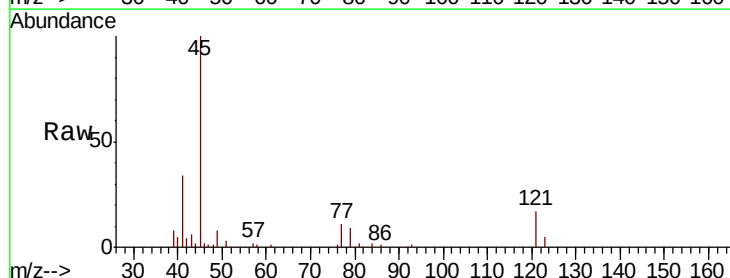
Tgt Ion: 45 Resp: 51503

Ion Ratio Lower Upper

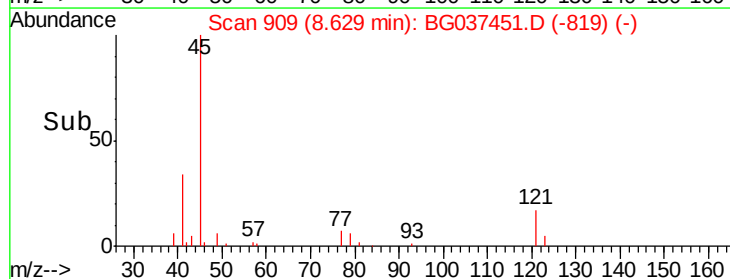
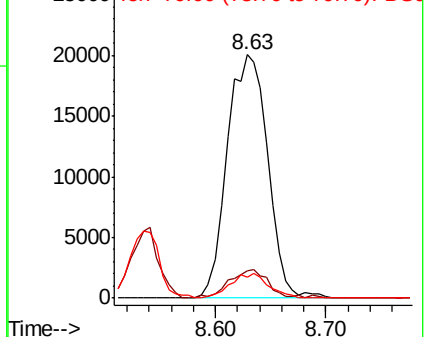
45 100

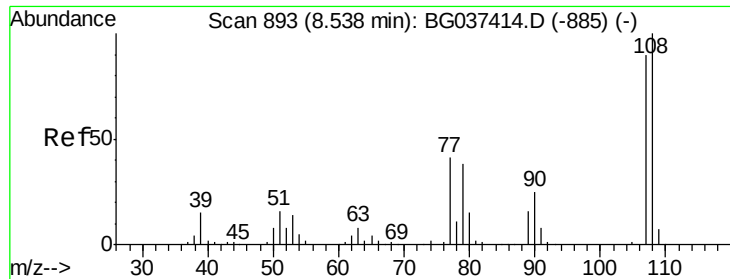
77 11.0 0.0 30.0

79 8.8 0.0 29.0



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

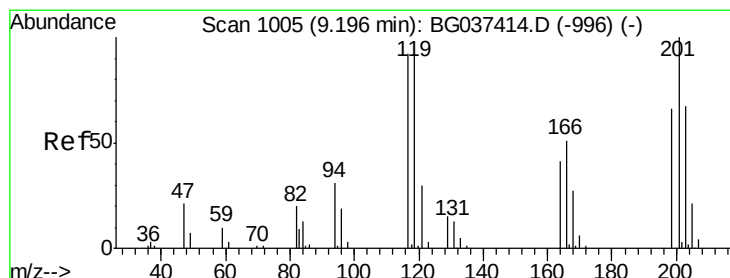
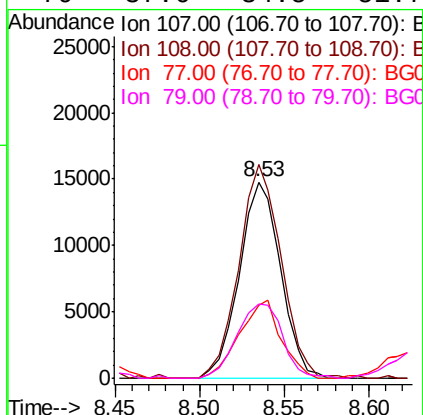
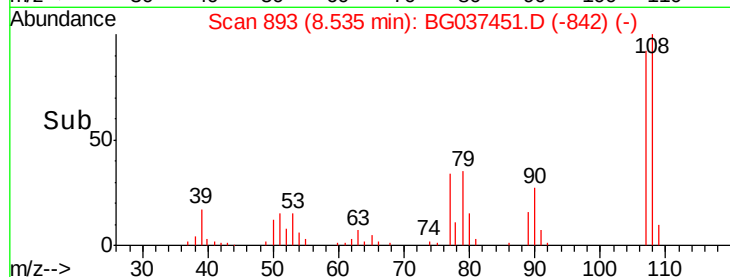
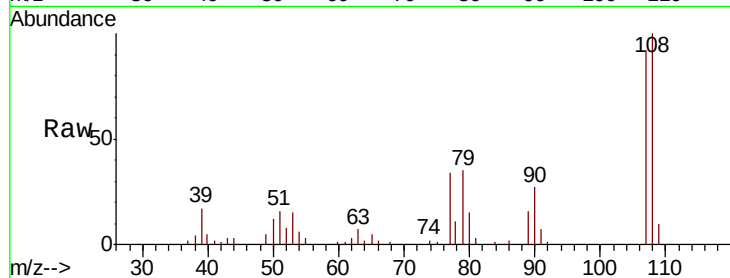




#17
2-Methylphenol
Concen: 7.883 ng
RT: 8.53 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

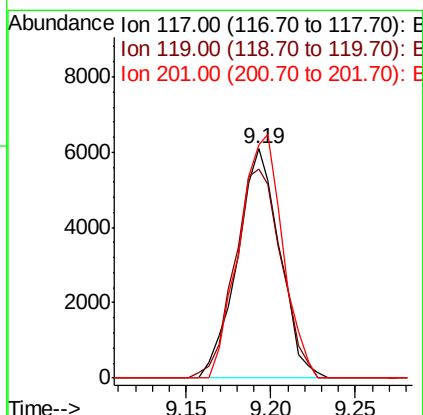
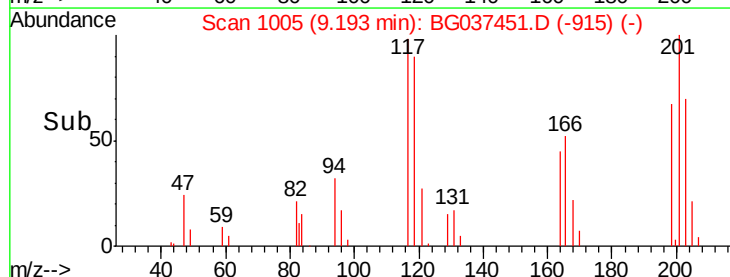
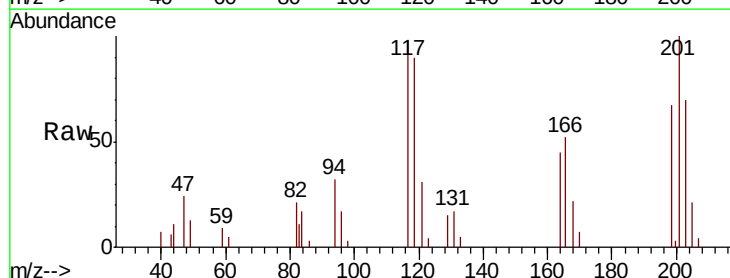
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

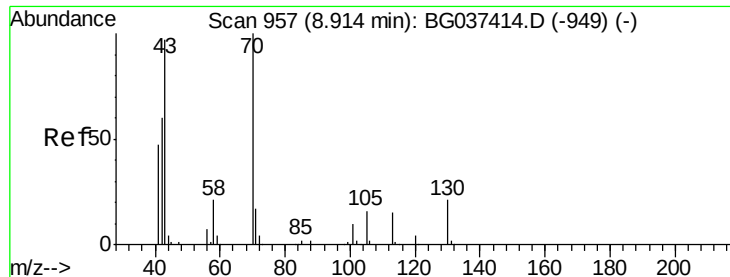
Tgt Ion:	107	Resp:	25070
Ion	Ratio	Lower	Upper
107	100		
108	108.8	87.9	131.9
77	37.1	35.1	52.7
79	37.6	34.5	51.7



#18
Hexachloroethane
Concen: 7.772 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:	117	Resp:	10643
Ion	Ratio	Lower	Upper
117	100		
119	91.5	74.6	111.8
201	101.8	80.8	121.2

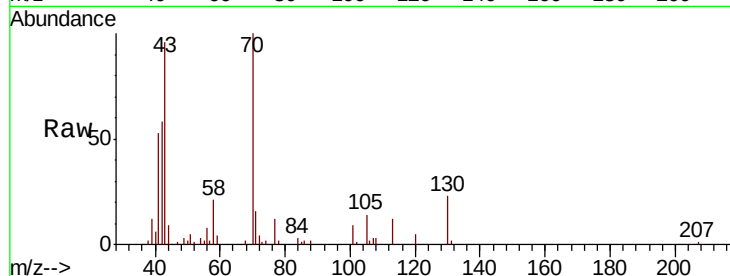




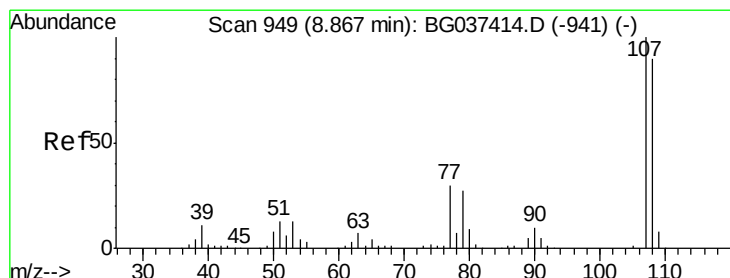
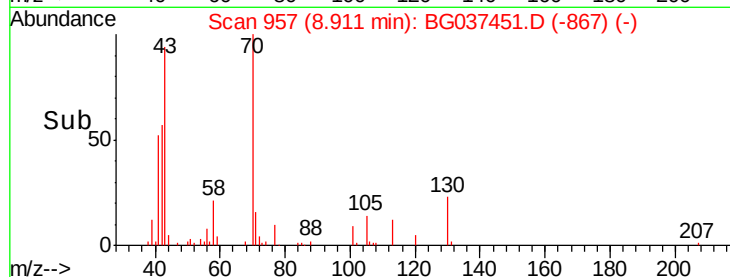
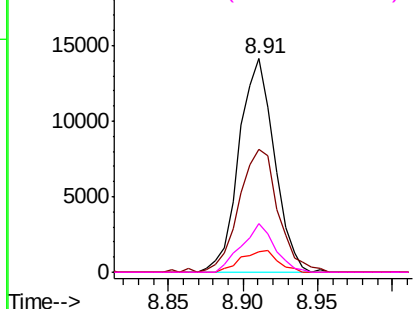
#19
n-Nitroso-di-n-propylamine
Concen: 7.392 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	70	Resp:	23209
Ion	Ratio	Lower	Upper
70	100		
42	57.7	53.9	80.9
101	9.4	8.2	12.2
130	22.5	18.2	27.4

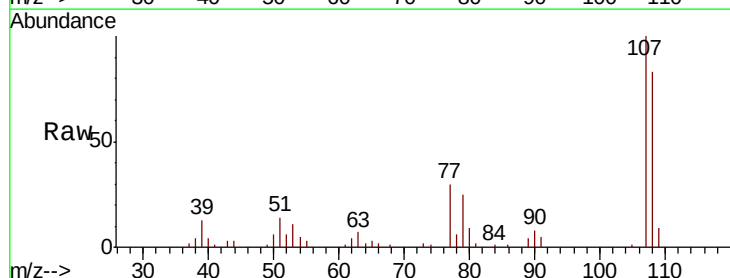


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

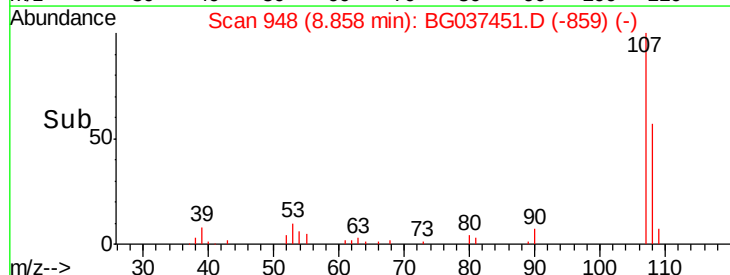
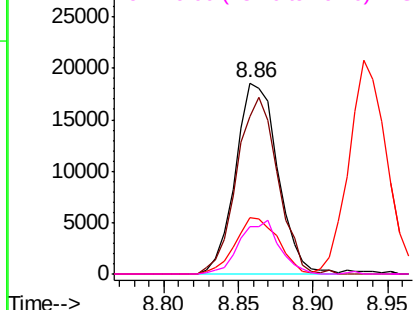


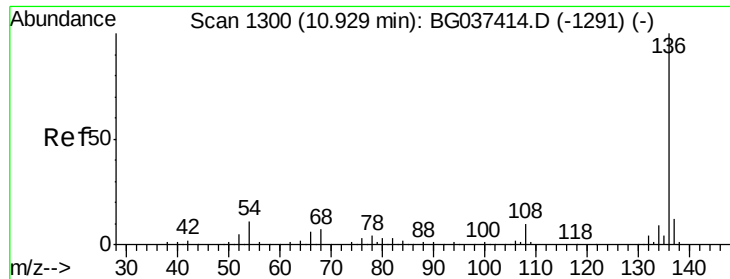
#20
3+4-Methylphenols
Concen: 8.026 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:	107	Resp:	36495
Ion	Ratio	Lower	Upper
107	100		
108	82.6	69.9	109.9
77	29.8	11.2	51.2
79	24.7	6.6	46.6



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

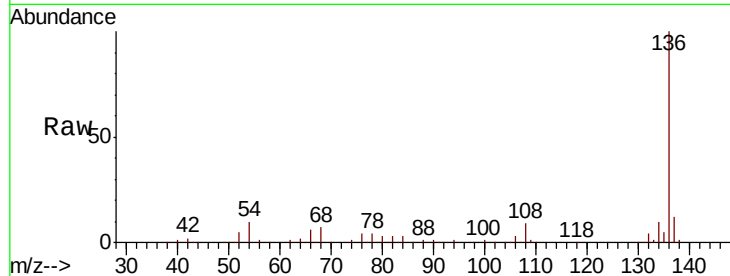




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	136	Resp:	234191
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.6	14.4
54	9.9	7.9	11.9
68	6.7	4.8	7.2



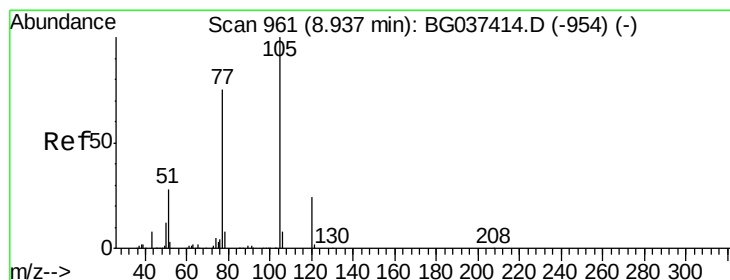
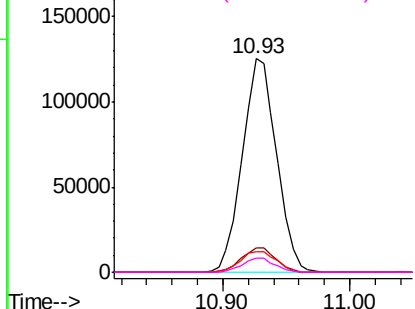
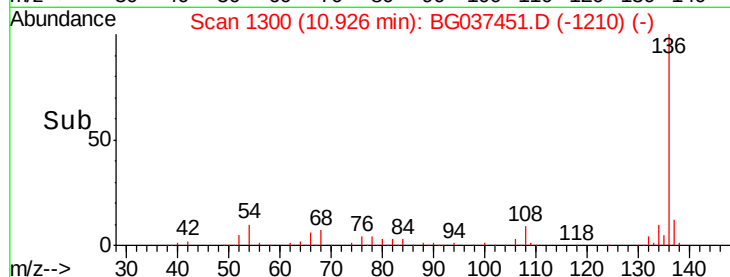
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

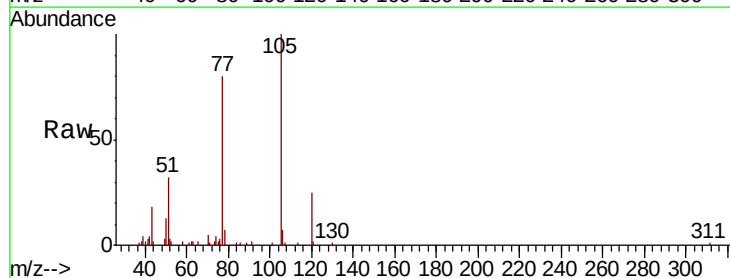
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 7.916 ng
RT: 8.93 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:	105	Resp:	46491
Ion	Ratio	Lower	Upper
105	100		
71	0.9	1.2	1.8#
51	32.0	25.0	37.6
120	25.4	18.6	28.0



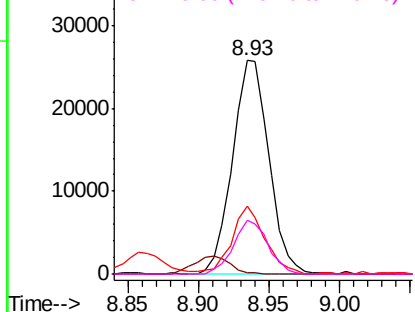
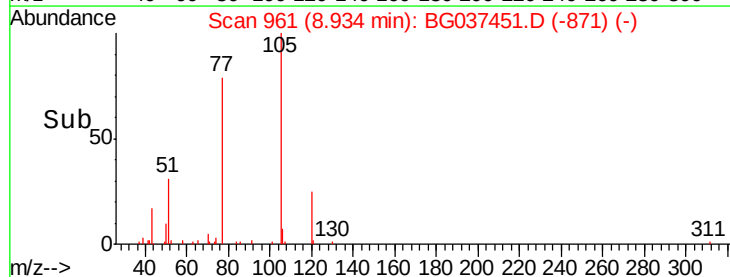
Abundance

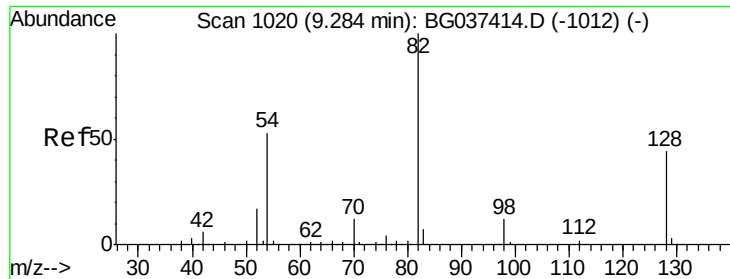
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

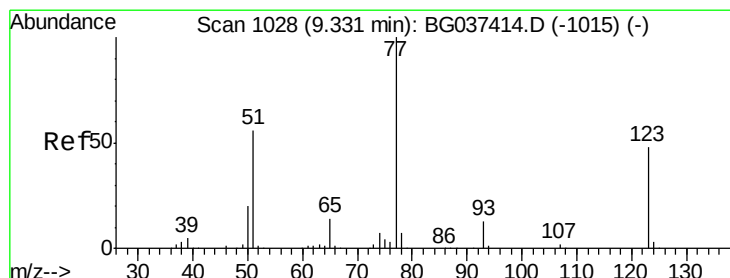
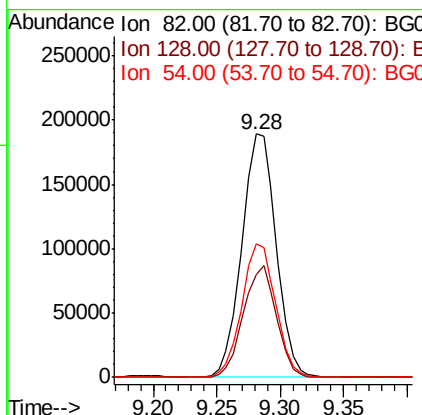
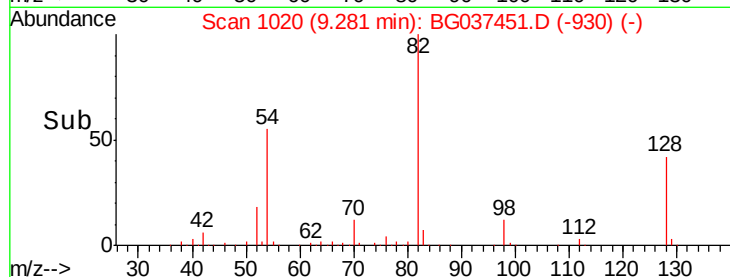
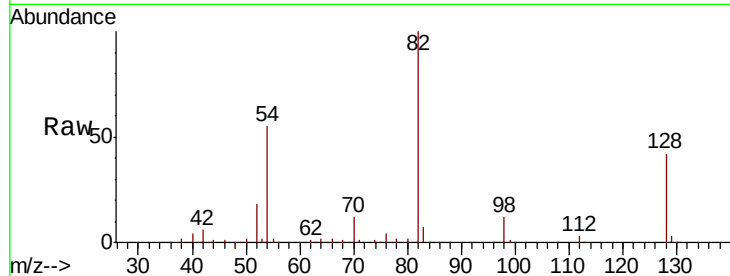




#23
 Nitrobenzene-d5
 Concen: 85.254 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

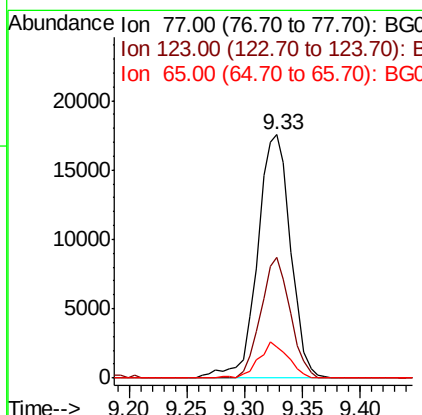
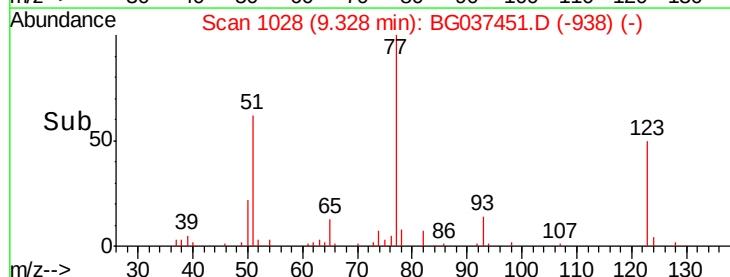
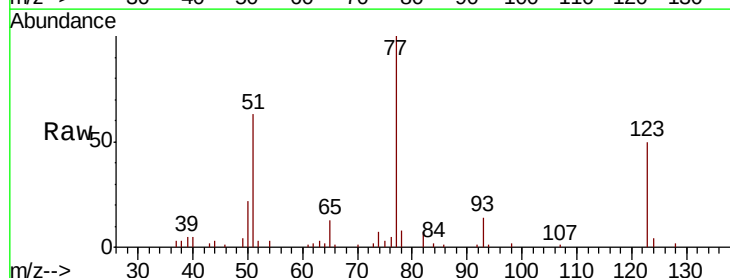
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

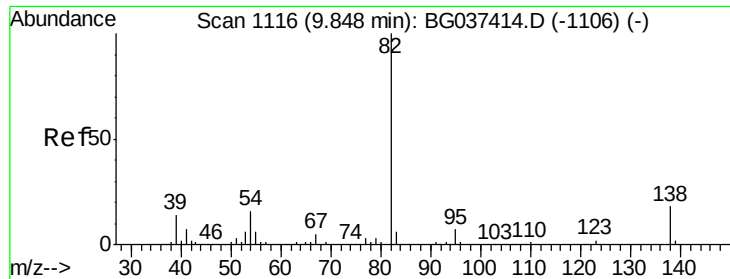
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.6	51.8
54	54.7	45.3	67.9



#24
 Nitrobenzene
 Concen: 8.043 ng
 RT: 9.33 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.5	33.6	50.4
65	12.6	11.3	16.9





#25

Isophorone

Concen: 8.392 ng

RT: 9.84 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

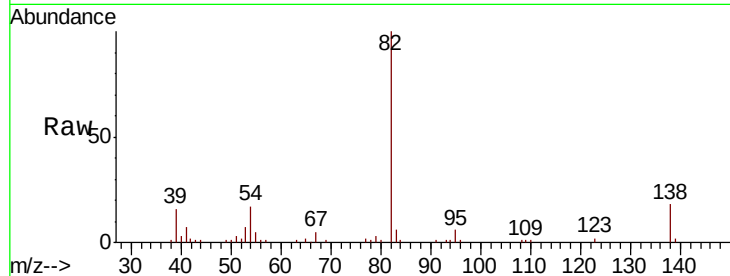
Tgt Ion: 82 Resp: 64102

Ion Ratio Lower Upper

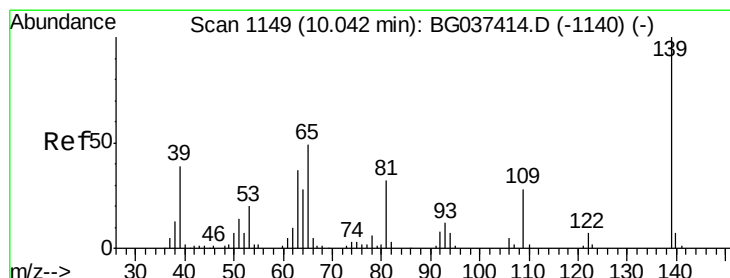
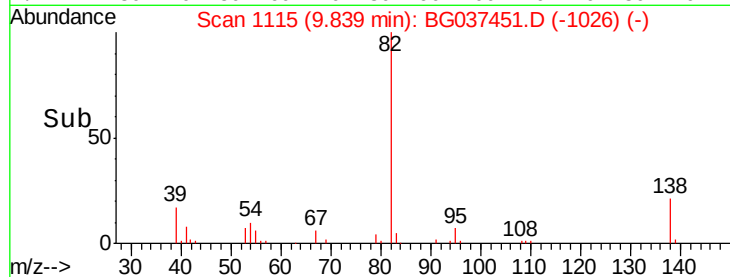
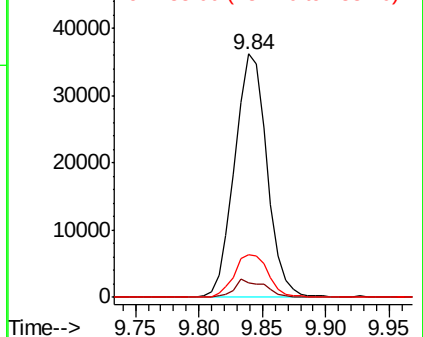
82 100

95 6.1 5.3 7.9

138 17.7 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: 6.444 ng

RT: 10.04 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

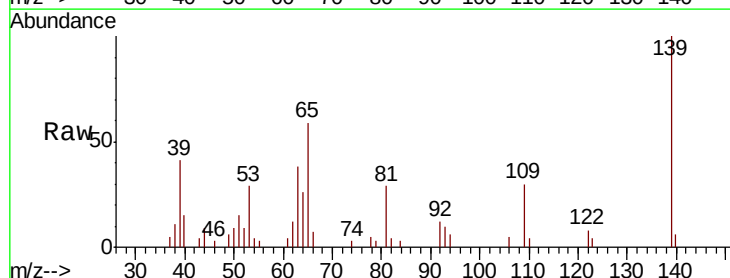
Tgt Ion: 139 Resp: 12607

Ion Ratio Lower Upper

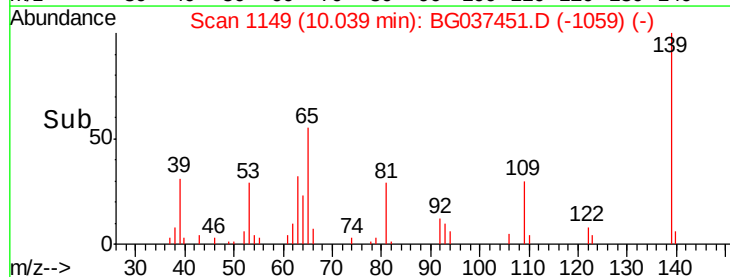
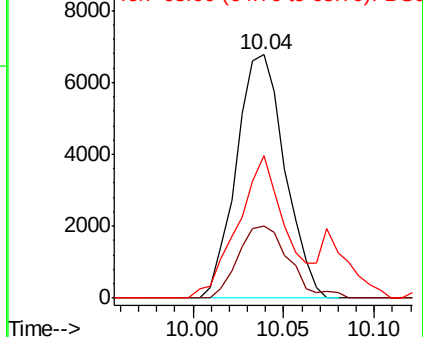
139 100

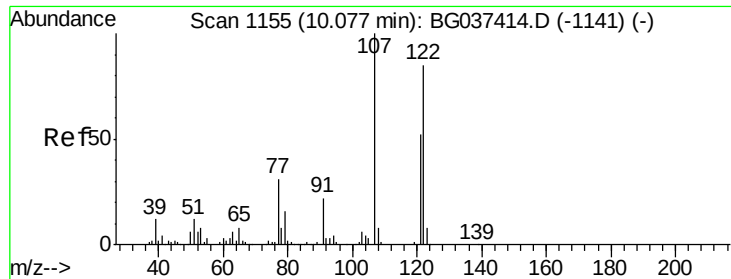
109 29.6 23.3 34.9

65 58.5 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

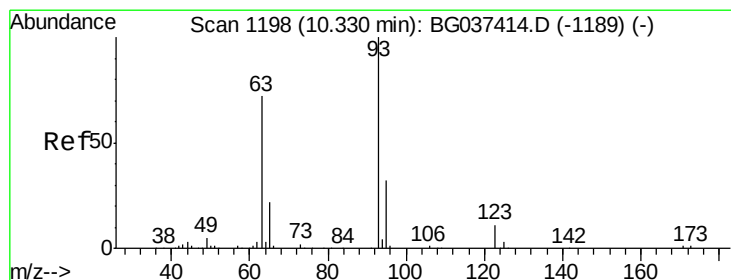
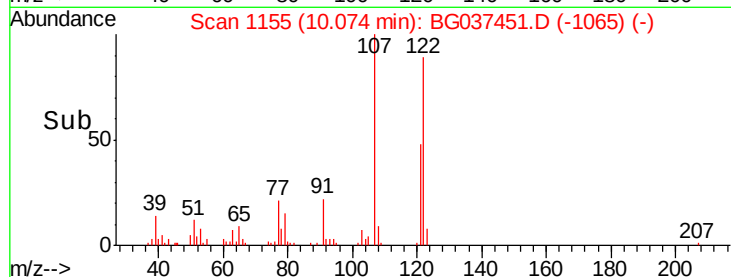
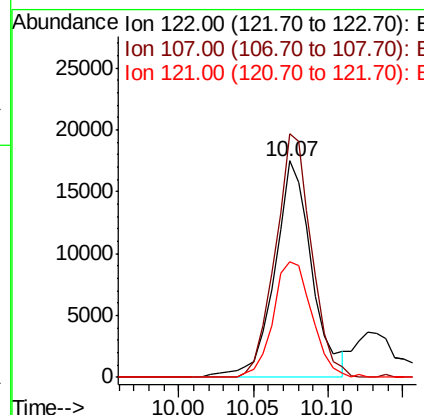
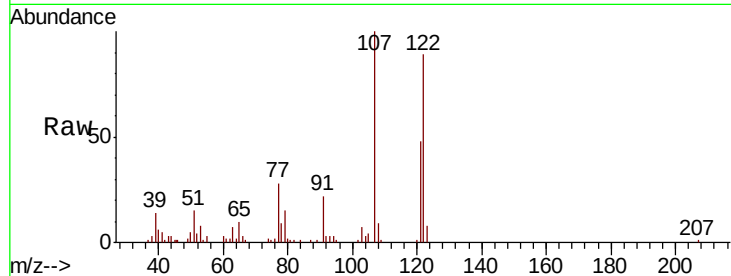




#27
 2,4-Dimethylphenol
 Concen: 8.629 ng
 RT: 10.07 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

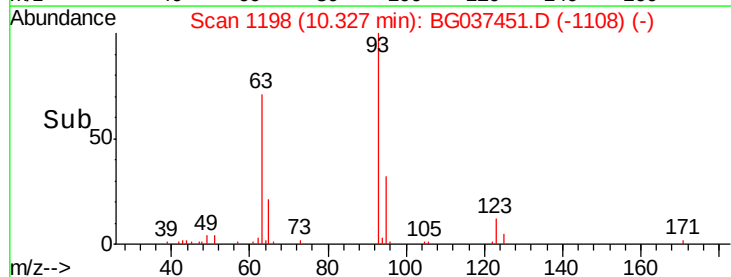
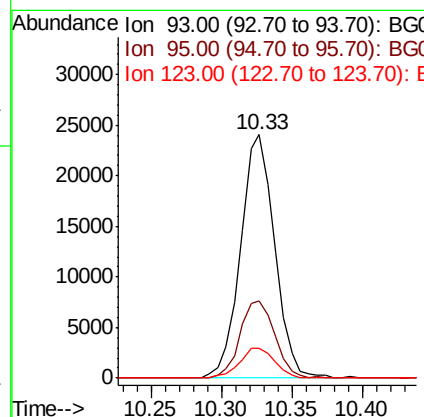
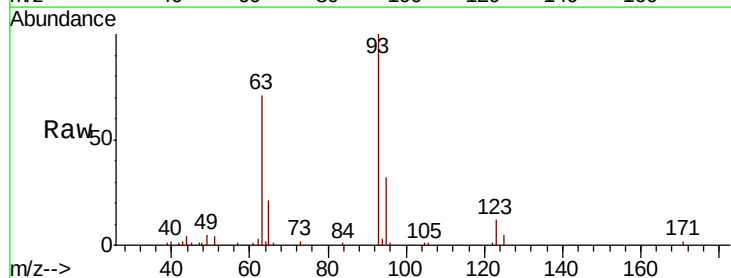
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

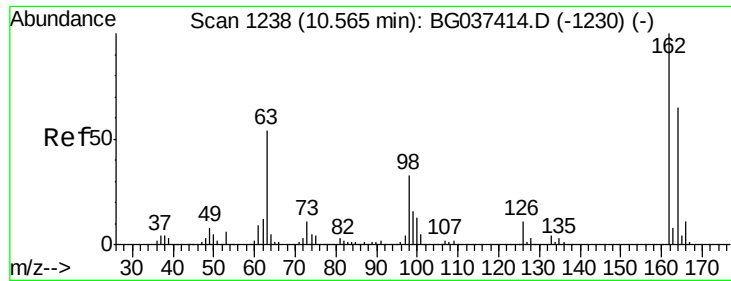
Tgt Ion:122 Resp: 30144
 Ion Ratio Lower Upper
 122 100
 107 112.4 94.2 141.2
 121 53.6 47.3 70.9



#28
 bis(2-Chloroethoxy)methane
 Concen: 8.110 ng
 RT: 10.33 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Tgt Ion: 93 Resp: 40587
 Ion Ratio Lower Upper
 93 100
 95 31.6 24.6 37.0
 123 12.2 9.1 13.7

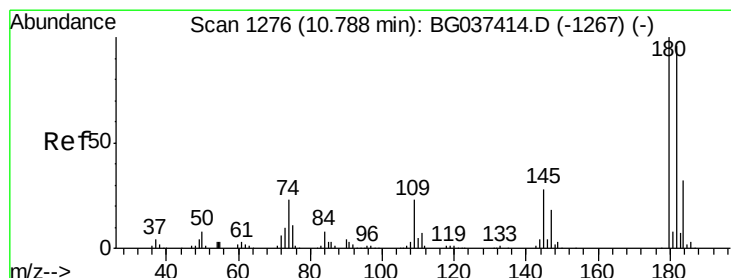
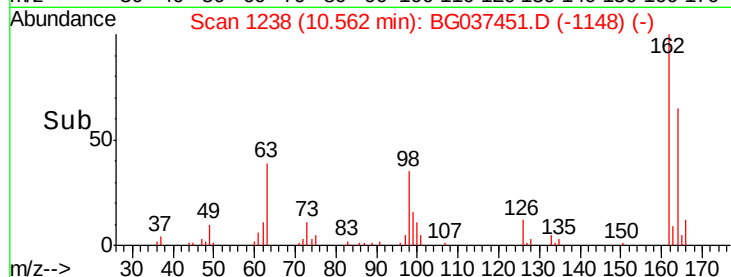
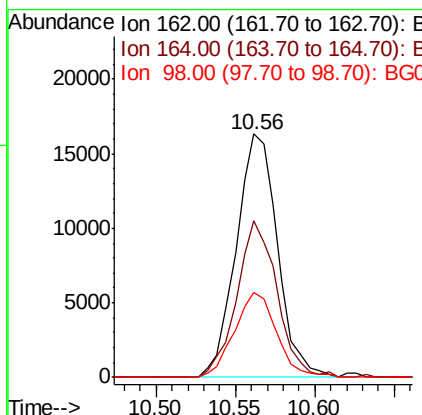
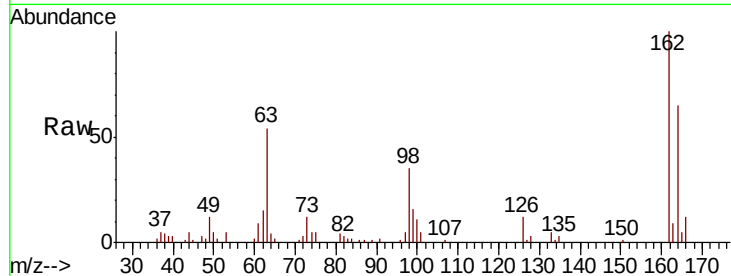




#29
 2,4-Dichlorophenol
 Concen: 7.573 ng
 RT: 10.56 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

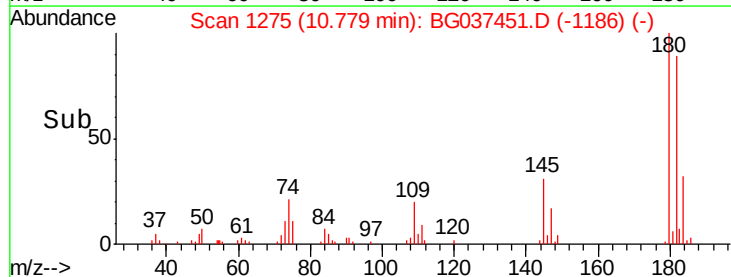
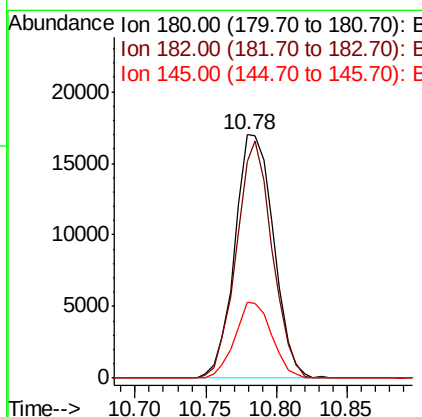
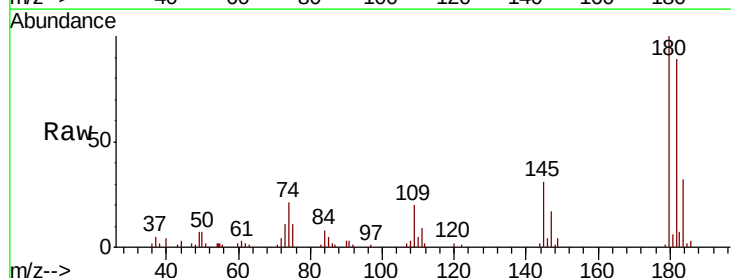
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

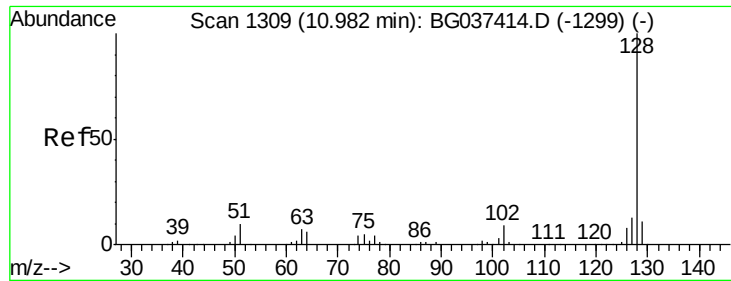
Tgt Ion:162 Resp: 29455
 Ion Ratio Lower Upper
 162 100
 164 64.5 43.2 83.2
 98 34.7 16.0 56.0



#30
 1,2,4-Trichlorobenzene
 Concen: 7.713 ng
 RT: 10.78 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Tgt Ion:180 Resp: 32621
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.7 116.5
 145 31.0 23.3 34.9

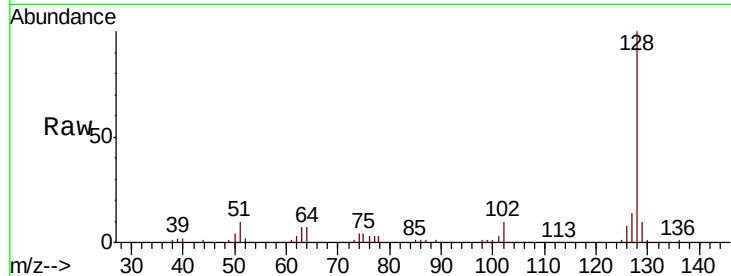




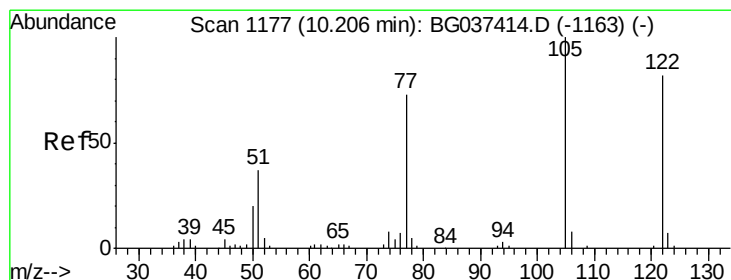
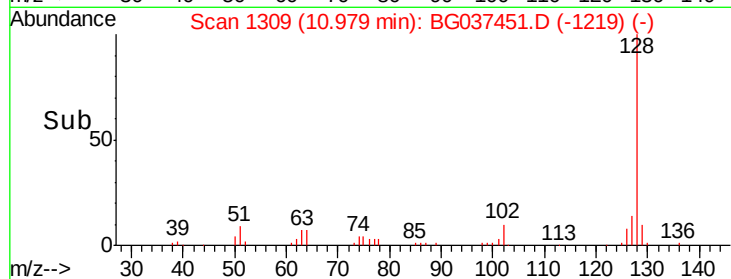
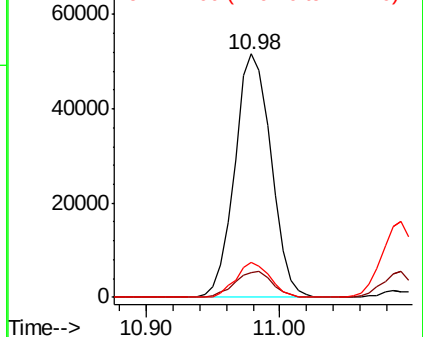
#31
Naphthalene
Concen: 8.439 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:128 Resp: 97078
Ion Ratio Lower Upper
128 100
129 10.1 9.0 13.6
127 14.4 11.1 16.7

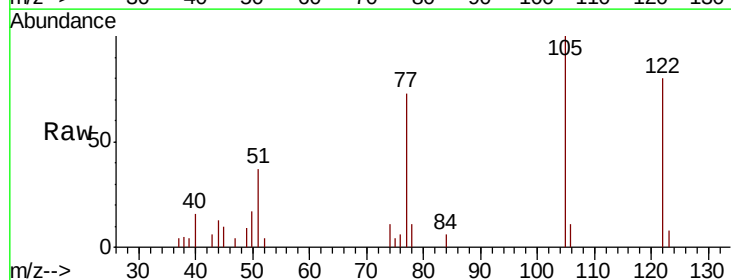


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

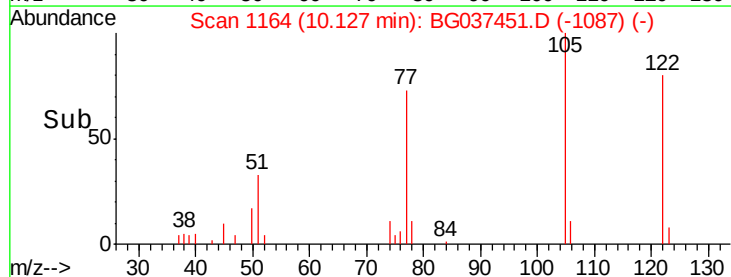
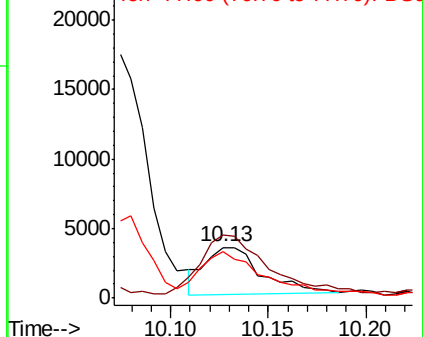


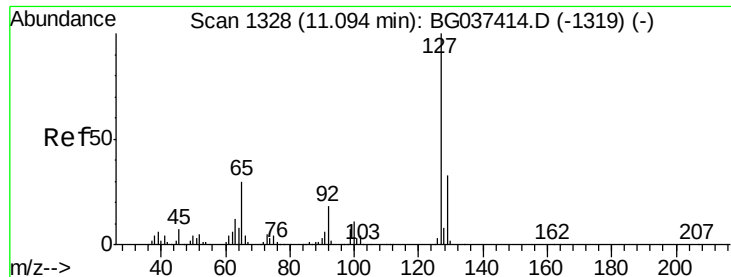
#32
Benzoic acid
Concen: 2.972 ng
RT: 10.13 min Scan# 1164
Delta R.T. -0.08 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:122 Resp: 6744
Ion Ratio Lower Upper
122 100
105 125.2 106.7 146.7
77 91.6 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): BGO

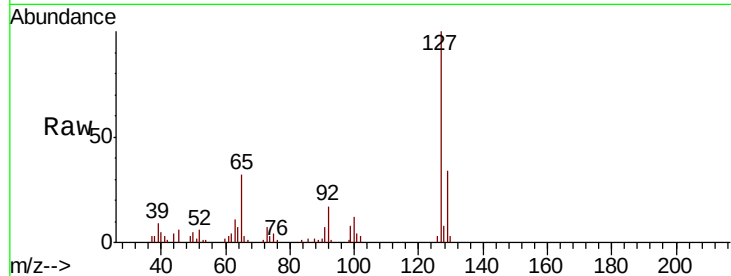




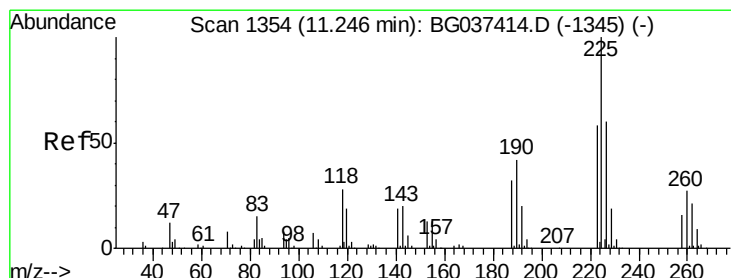
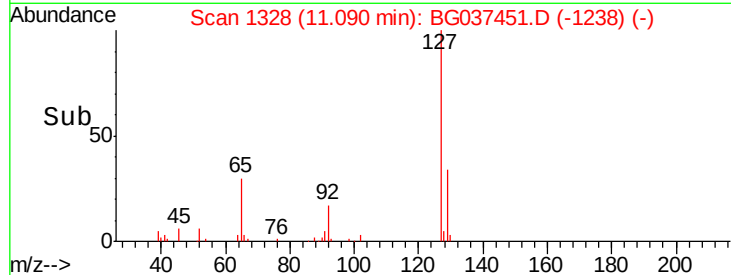
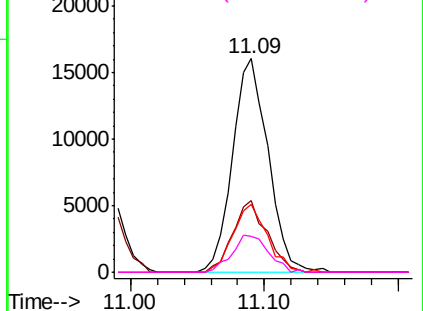
#33
4-Chloroaniline
Concen: 5.485 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	127	Resp:	29643
Ion	Ratio	Lower	Upper
127	100		
129	33.7	27.1	40.7
65	31.7	26.6	39.8
92	16.9	16.4	24.6

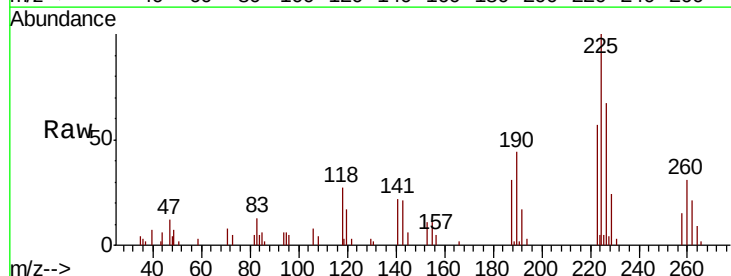


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

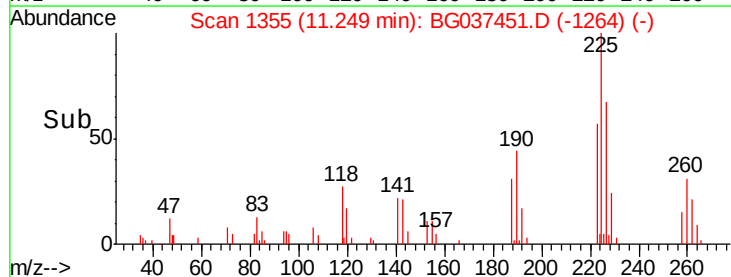
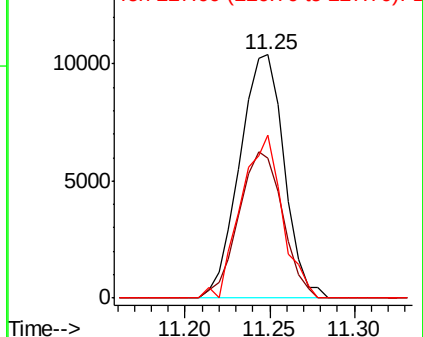


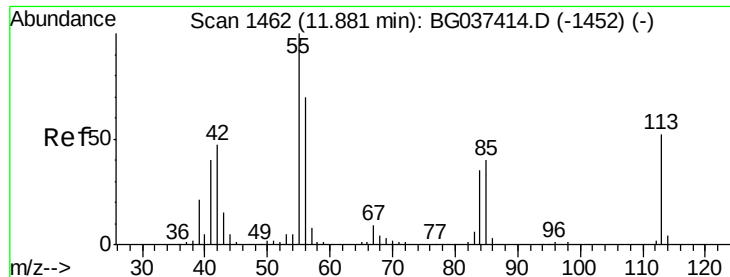
#34
Hexachlorobutadiene
Concen: 7.588 ng
RT: 11.25 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:	225	Resp:	19022
Ion	Ratio	Lower	Upper
225	100		
223	54.7	48.2	72.4
227	67.8	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: 6.643 ng

RT: 11.85 min Scan# 1458

Delta R.T. -0.03 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

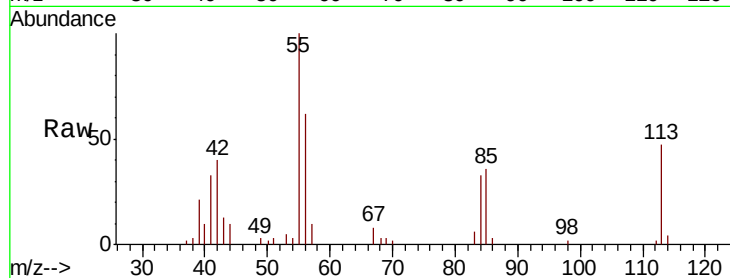
Tgt Ion:113 Resp: 10363

Ion Ratio Lower Upper

113 100

55 213.8 176.6 216.6

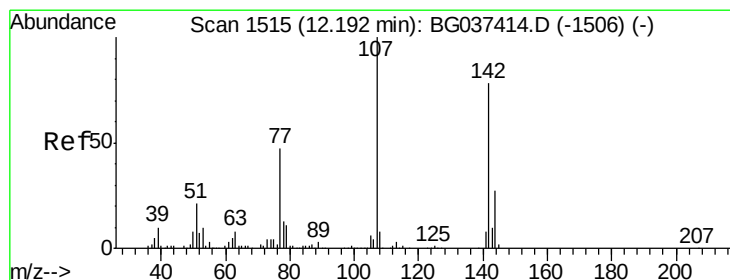
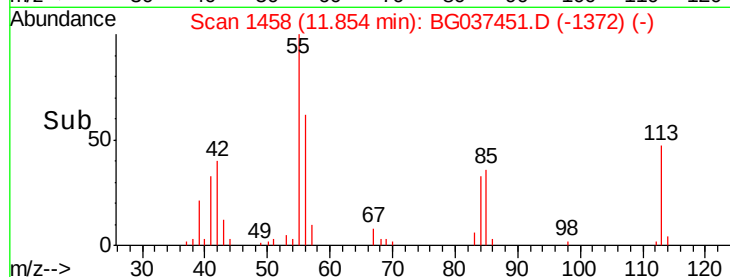
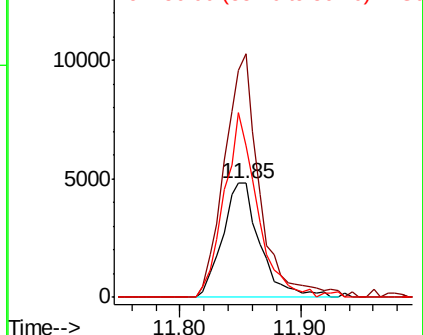
56 133.6 128.3 168.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 7.498 ng

RT: 12.18 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

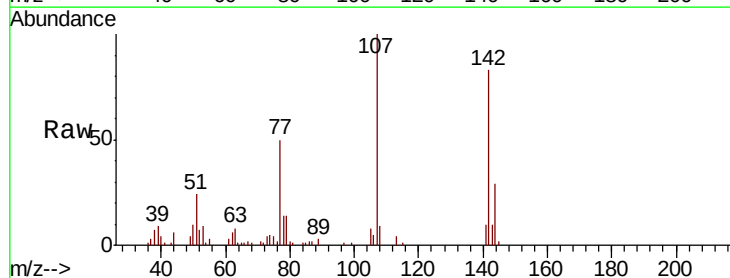
Tgt Ion:107 Resp: 32890

Ion Ratio Lower Upper

107 100

144 29.2 20.7 31.1

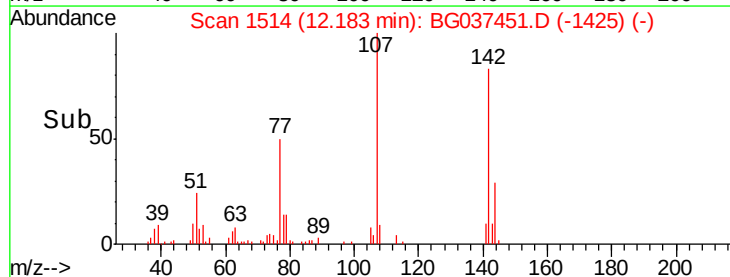
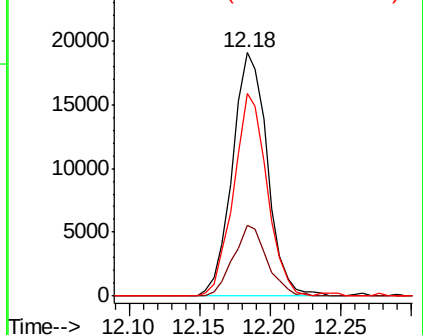
142 83.1 64.4 96.6

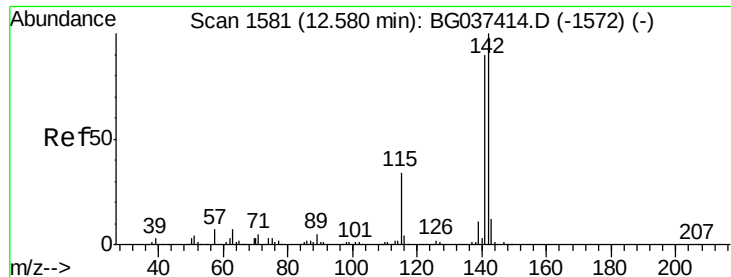


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

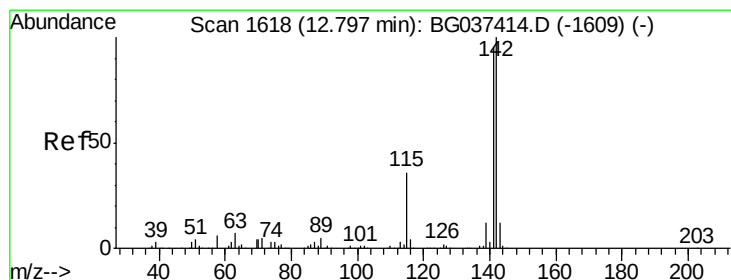
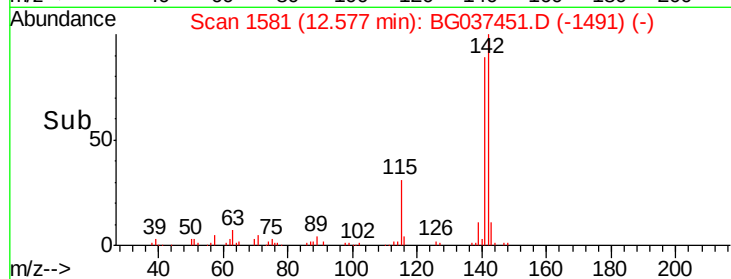
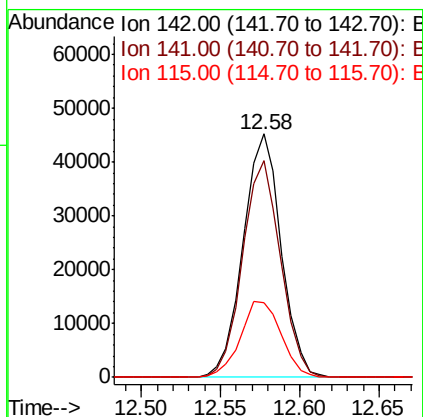
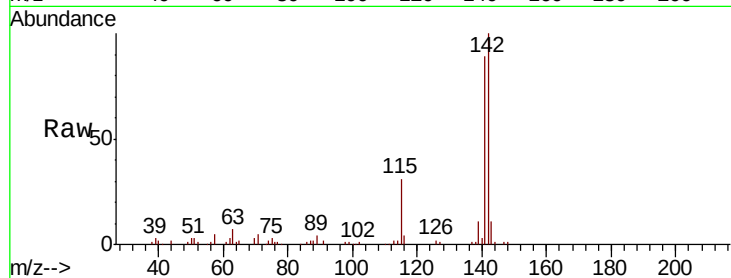




#37
 2-Methylnaphthalene
 Concen: 8.978 ng
 RT: 12.58 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

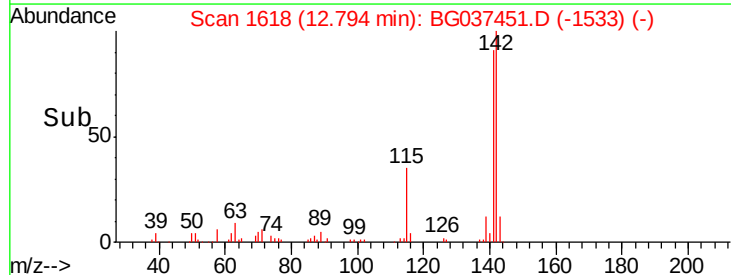
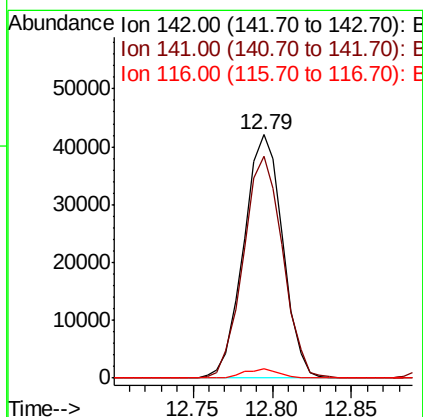
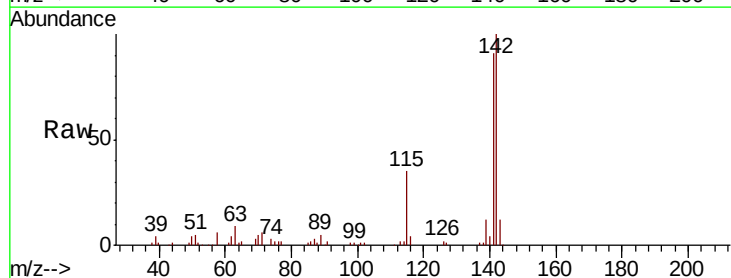
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

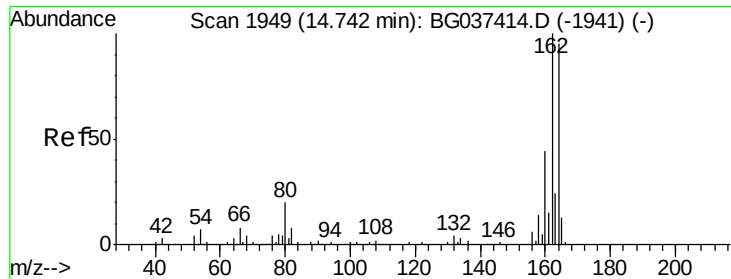
Tgt Ion:142 Resp: 75283
 Ion Ratio Lower Upper
 142 100
 141 89.1 71.9 107.9
 115 30.8 27.8 41.8



#38
 1-Methylnaphthalene
 Concen: 8.803 ng
 RT: 12.79 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Tgt Ion:142 Resp: 71683
 Ion Ratio Lower Upper
 142 100
 141 90.9 75.2 112.8
 116 3.7 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: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

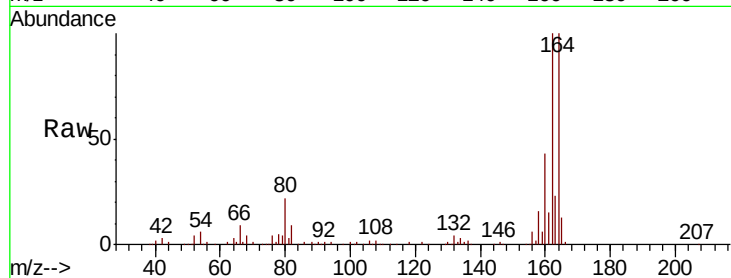
Tgt Ion:164 Resp: 160576

Ion Ratio Lower Upper

164 100

162 100.0 81.3 121.9

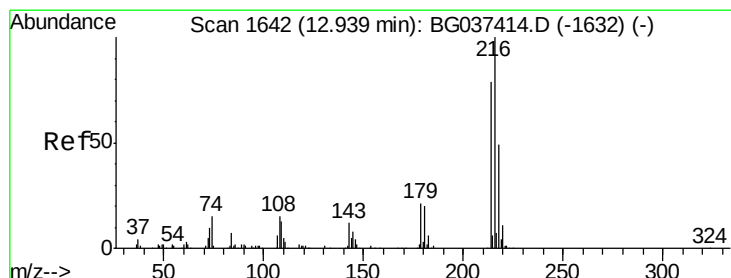
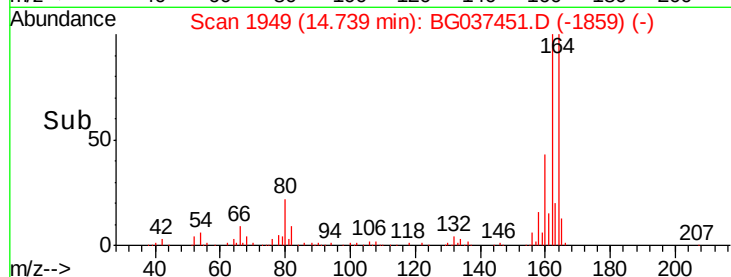
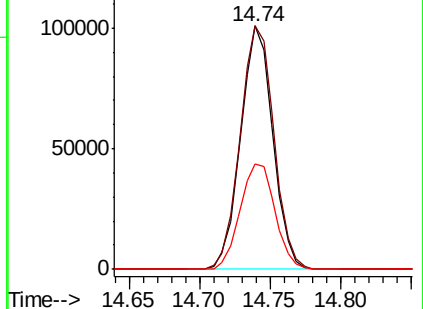
160 43.3 36.3 54.5



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: 7.334 ng

RT: 12.94 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Tgt Ion:216 Resp: 37987

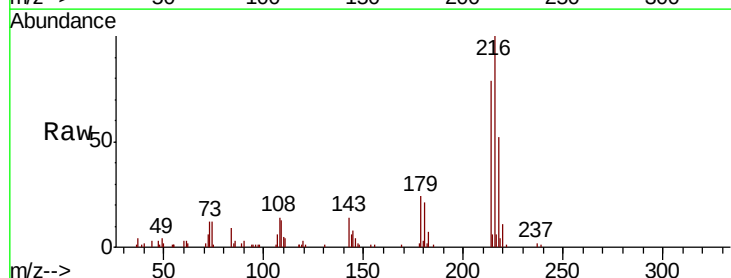
Ion Ratio Lower Upper

216 100

214 76.8 63.8 95.6

179 21.7 17.4 26.0

108 17.0 13.9 20.9

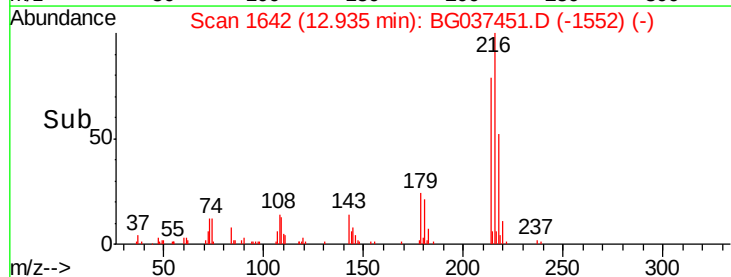
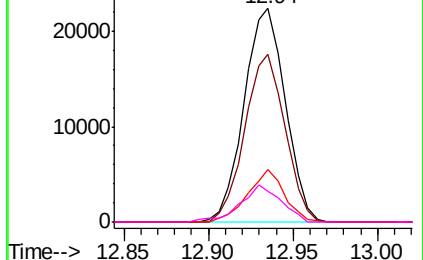


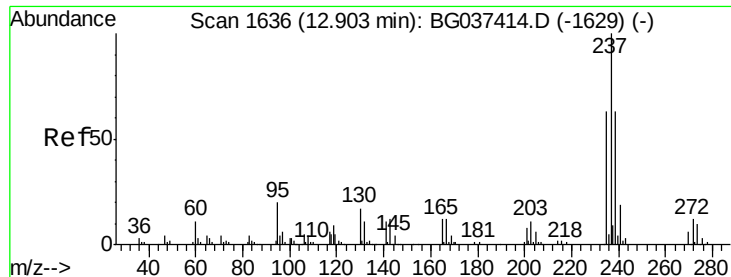
Abundance Ion 216.00 (215.70 to 216.70): E

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

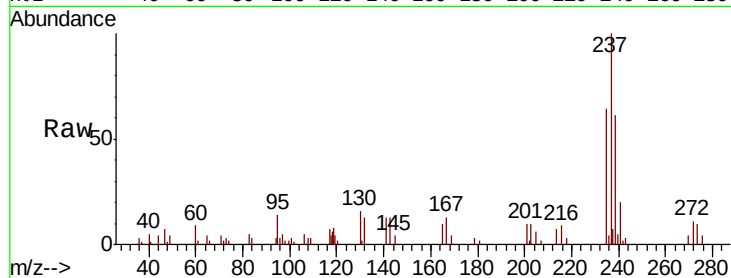




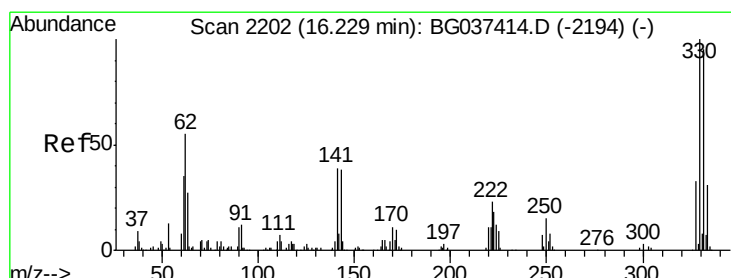
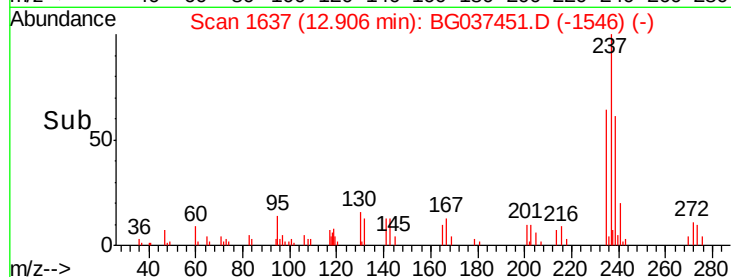
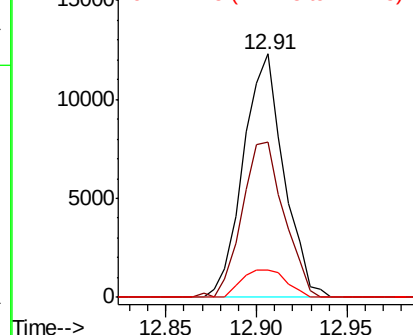
#41
Hexachlorocyclopentadiene
Concen: 7.701 ng
RT: 12.91 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 237 Resp: 19053
Ion Ratio Lower Upper
237 100
235 63.7 42.5 82.5
272 11.0 0.0 31.6

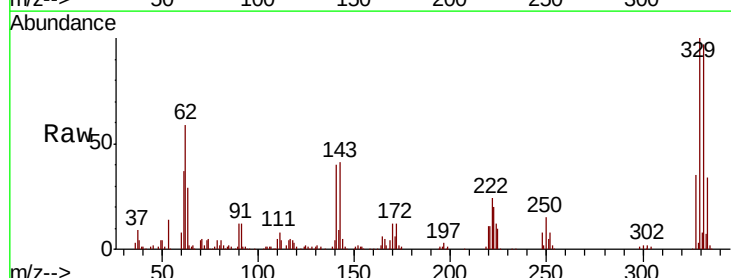


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

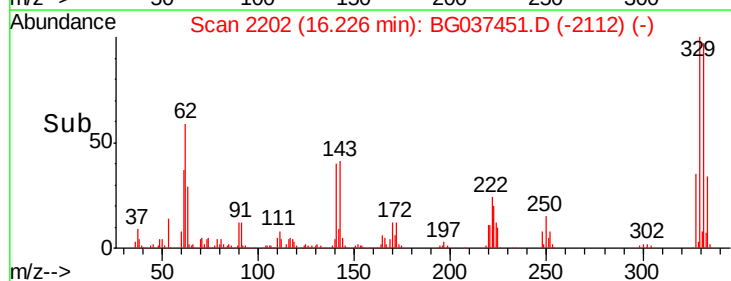
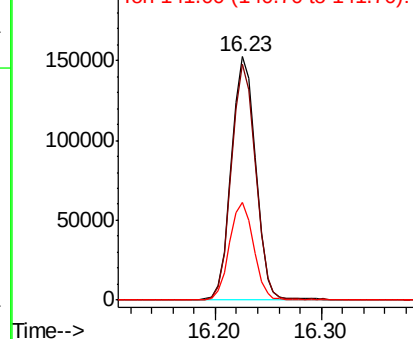


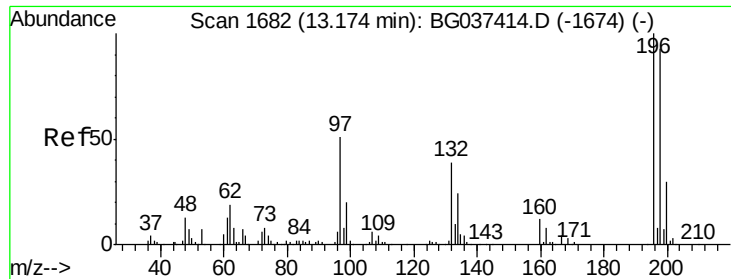
#42
2,4,6-Tribromophenol
Concen: 138.534 ng
RT: 16.23 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion: 330 Resp: 242626
Ion Ratio Lower Upper
330 100
332 96.0 78.4 117.6
141 40.0 32.2 48.2



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

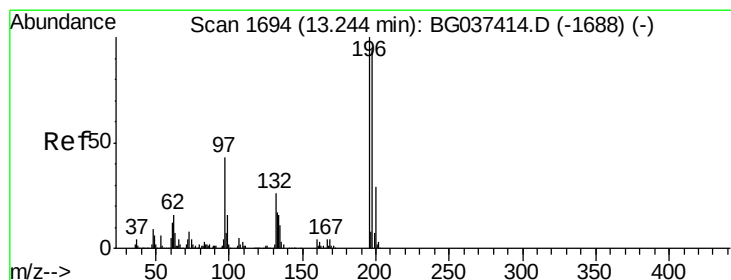
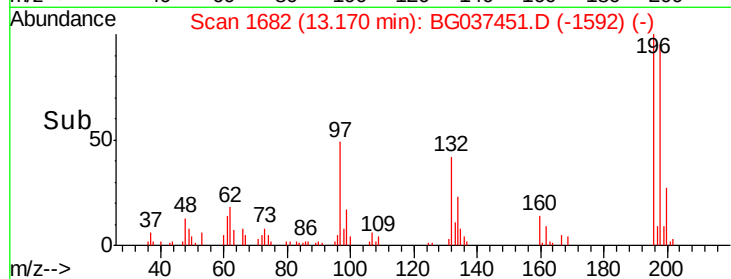
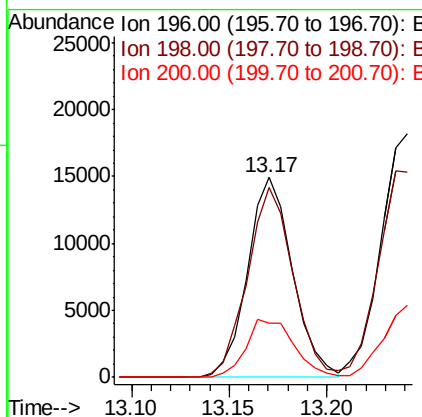
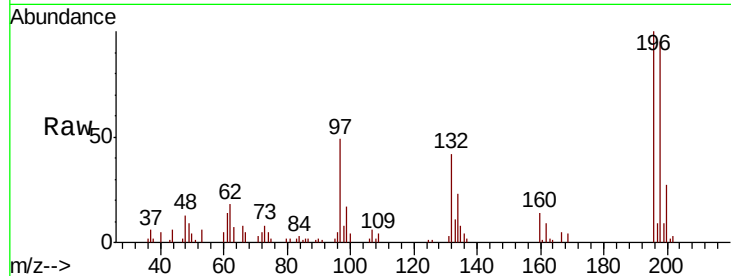




#43
 2,4,6-Trichlorophenol
 Concen: 6.856 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

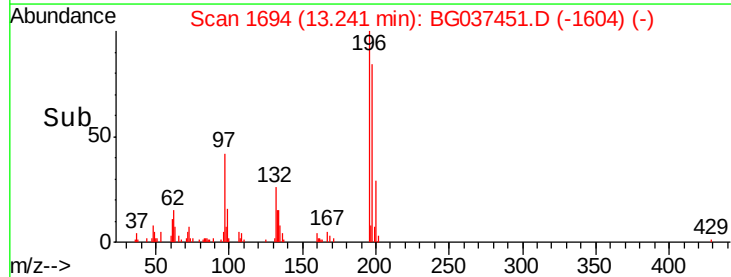
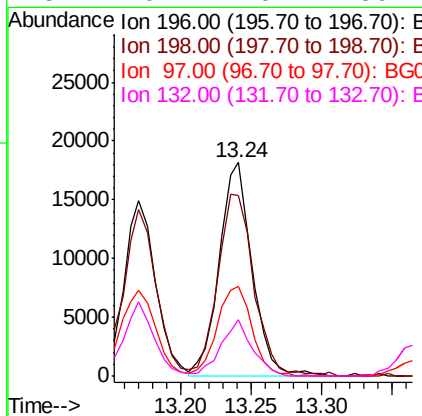
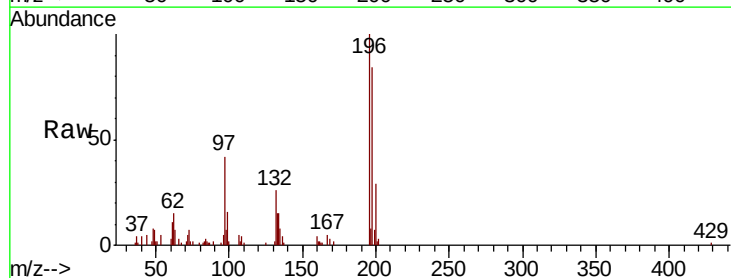
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

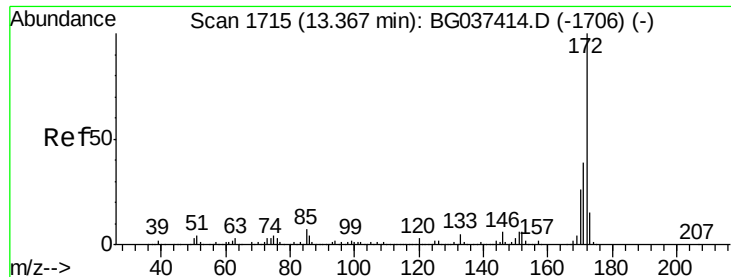
Tgt Ion:196 Resp: 23725
 Ion Ratio Lower Upper
 196 100
 198 94.8 76.4 114.6
 200 27.4 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 7.812 ng
 RT: 13.24 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Tgt Ion:196 Resp: 29432
 Ion Ratio Lower Upper
 196 100
 198 84.2 74.2 111.2
 97 41.7 34.1 51.1
 132 26.1 20.2 30.4

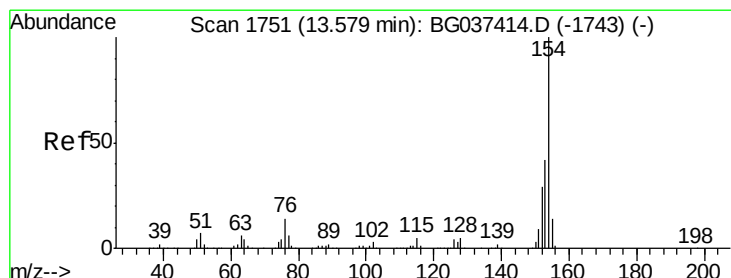
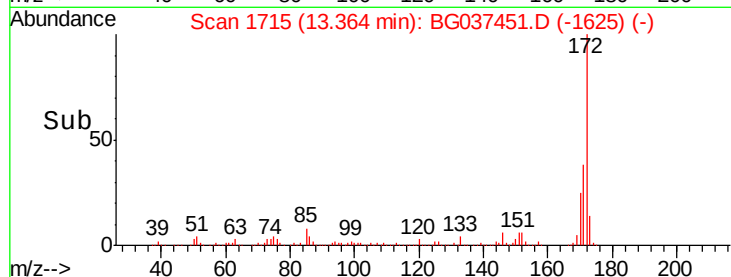
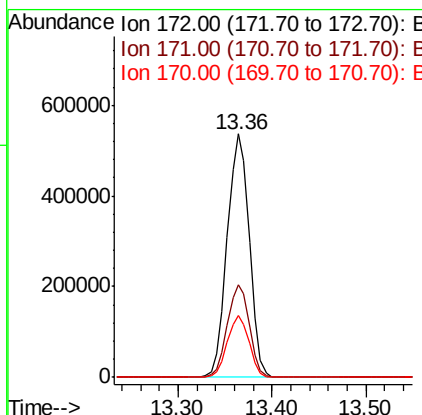
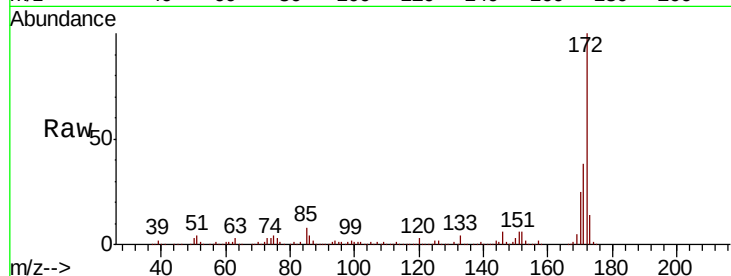




#45
 2-Fluorobiphenyl
 Concen: 81.990 ng
 RT: 13.36 min Scan# 1715
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

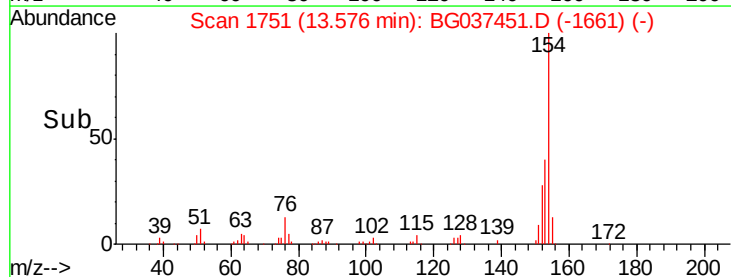
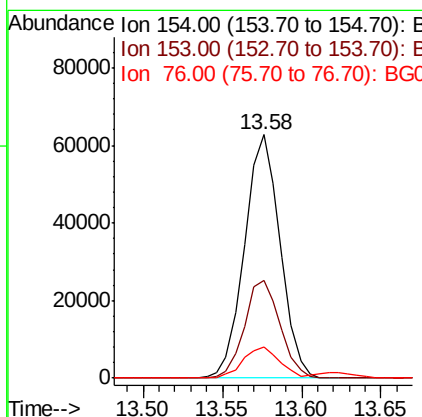
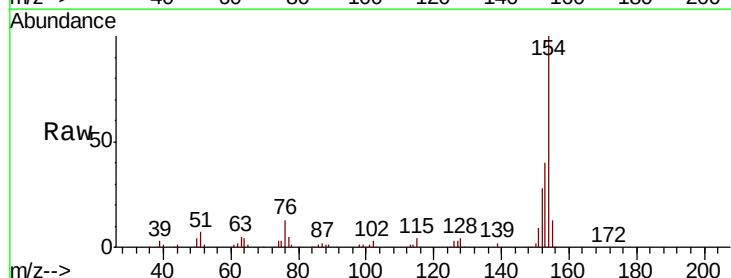
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

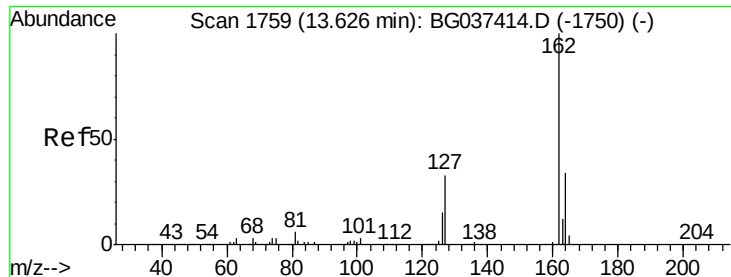
Tgt Ion:172 Resp: 873085
 Ion Ratio Lower Upper
 172 100
 171 37.8 31.0 46.4
 170 25.4 20.2 30.2



#46
 1,1'-Biphenyl
 Concen: 7.350 ng
 RT: 13.58 min Scan# 1751
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Tgt Ion:154 Resp: 97743
 Ion Ratio Lower Upper
 154 100
 153 39.9 22.1 62.1
 76 12.5 0.0 33.2

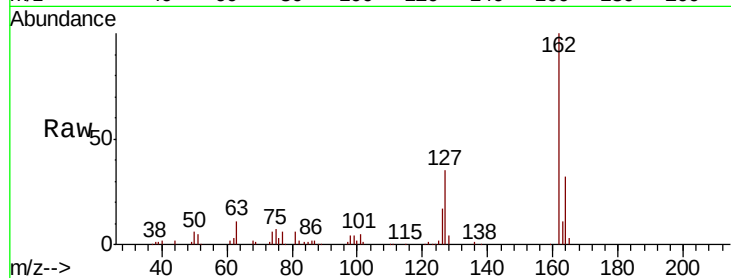




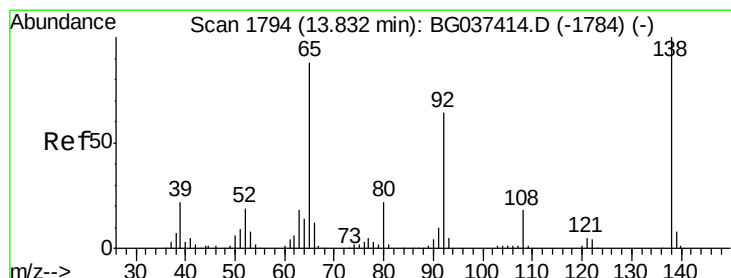
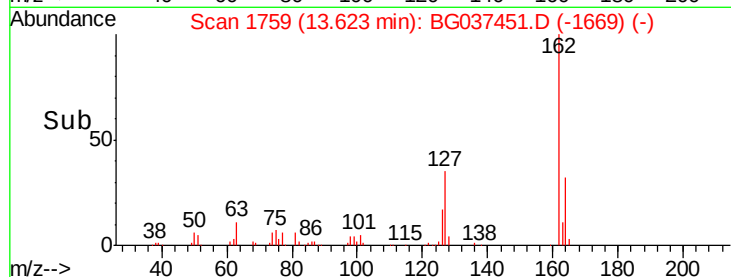
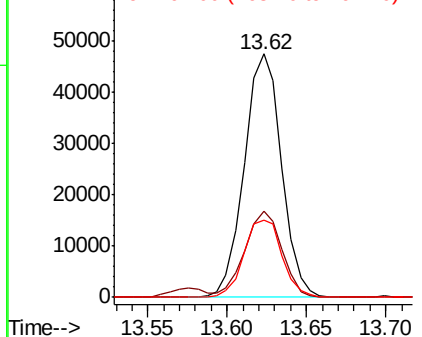
#47
2-Chloronaphthalene
Concen: 7.691 ng
RT: 13.62 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 162 Resp: 77379
Ion Ratio Lower Upper
162 100
127 35.4 30.5 45.7
164 31.6 26.4 39.6

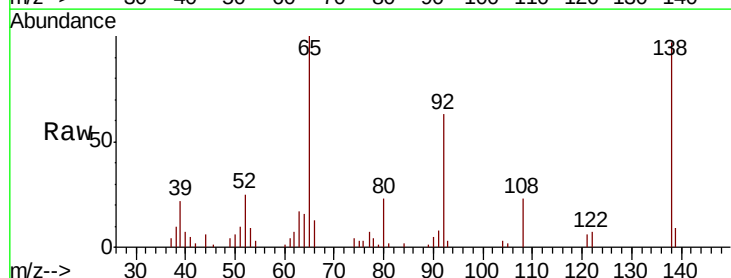


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

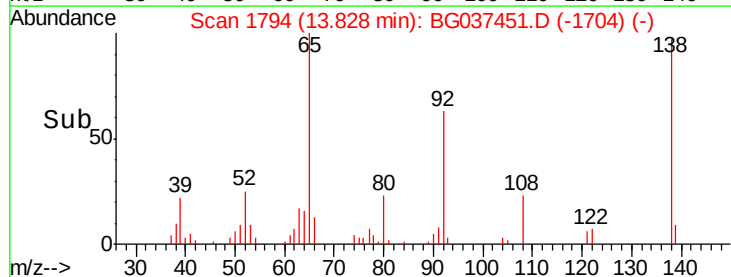
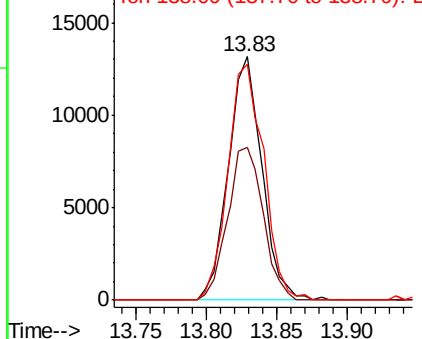


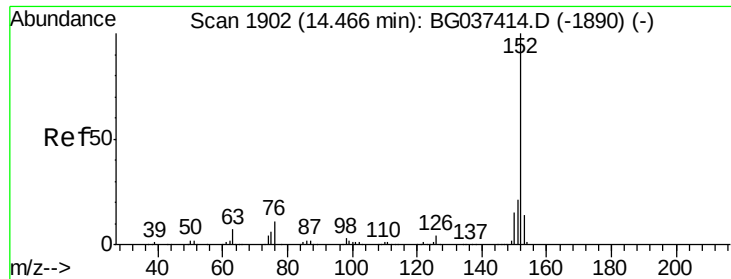
#48
2-Nitroaniline
Concen: 7.142 ng
RT: 13.83 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion: 65 Resp: 21790
Ion Ratio Lower Upper
65 100
92 62.5 53.2 79.8
138 96.8 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: 8.580 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

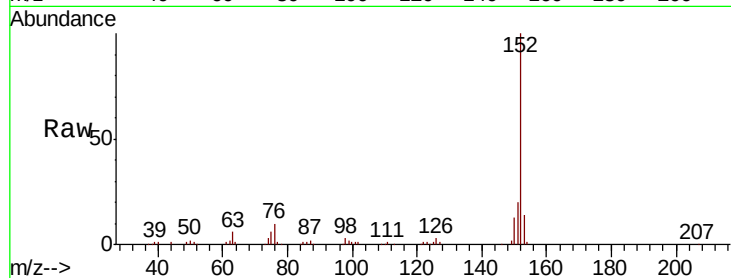
Tgt Ion:152 Resp: 129847

Ion Ratio Lower Upper

152 100

151 20.0 17.1 25.7

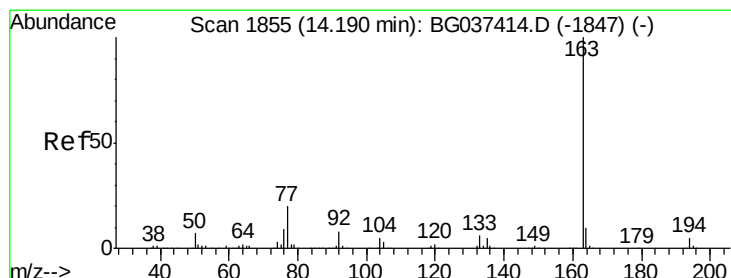
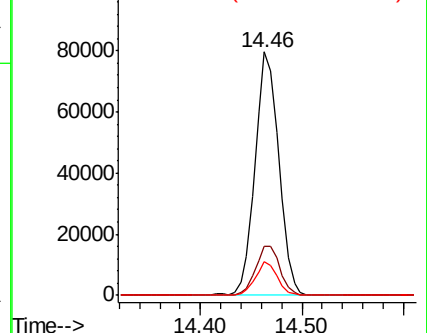
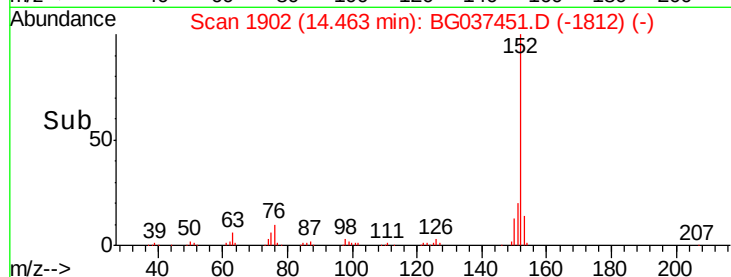
153 13.8 11.1 16.7



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: 8.191 ng

RT: 14.19 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

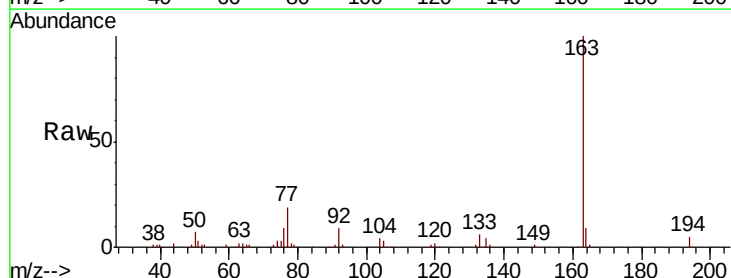
Tgt Ion:163 Resp: 101748

Ion Ratio Lower Upper

163 100

194 5.2 3.5 5.3

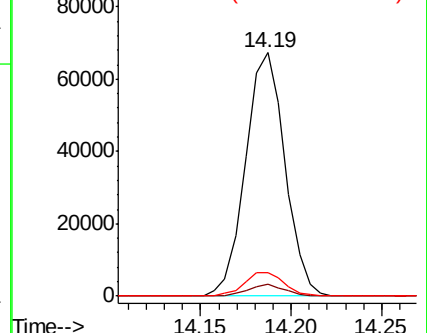
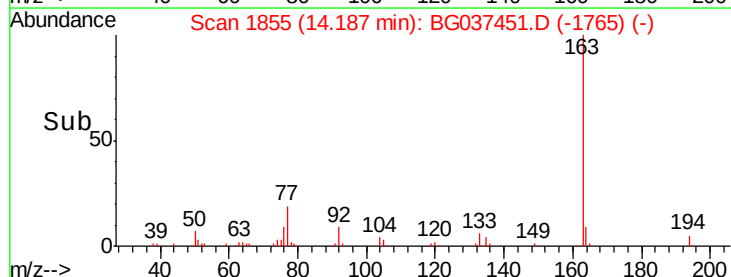
164 9.5 8.5 12.7

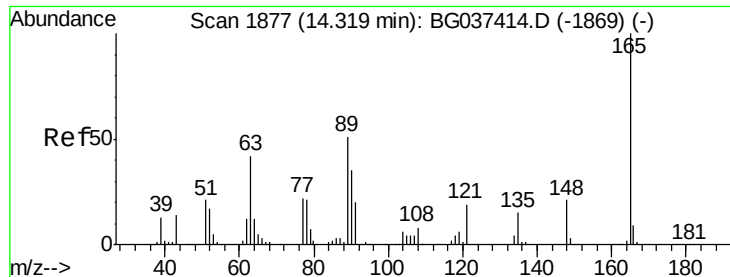


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

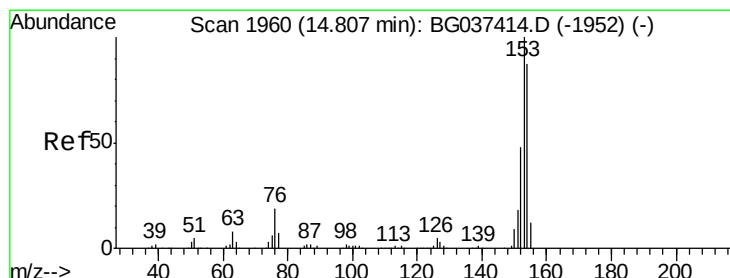
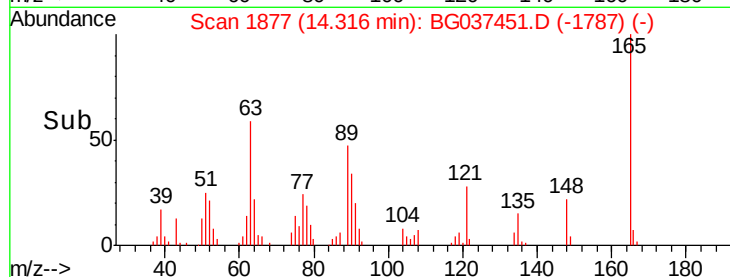
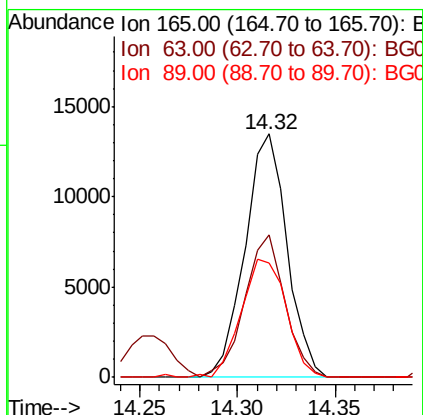
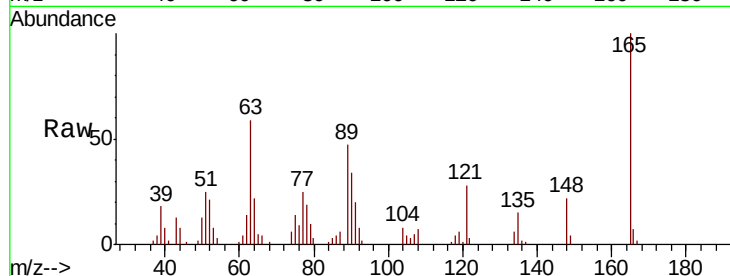




#51
2,6-Dinitrotoluene
Concen: 7.302 ng
RT: 14.32 min Scan# 1877
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

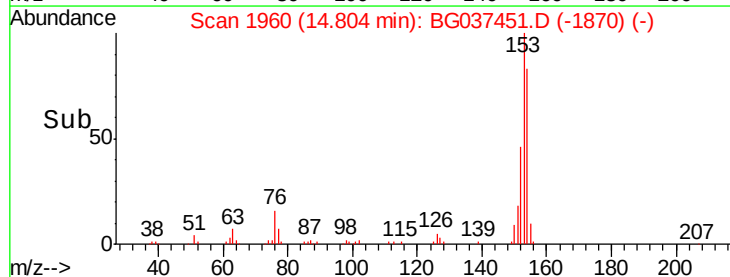
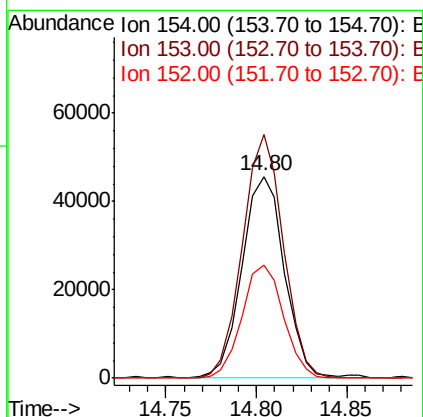
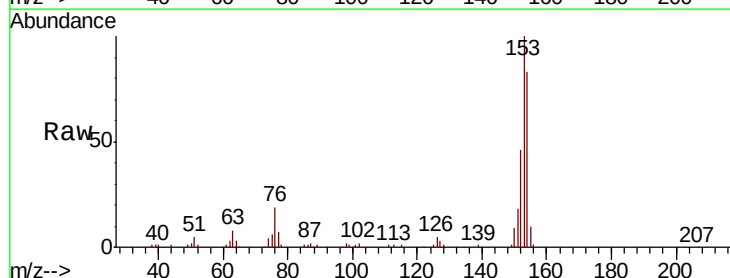
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

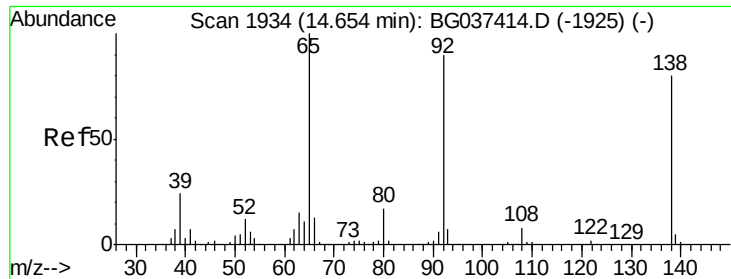
Tgt Ion:165 Resp: 20066
Ion Ratio Lower Upper
165 100
63 58.8 43.4 65.2
89 47.0 45.8 68.6



#52
Acenaphthene
Concen: 7.865 ng
RT: 14.80 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:154 Resp: 73308
Ion Ratio Lower Upper
154 100
153 120.8 93.4 140.0
152 55.9 44.7 67.1

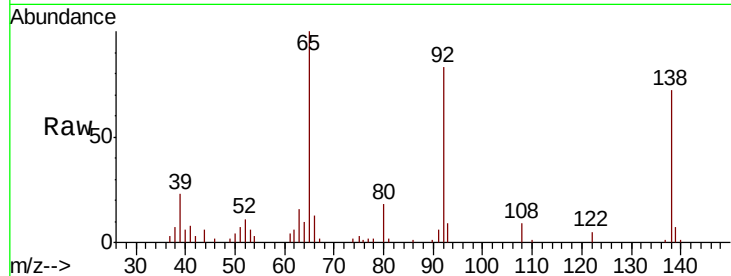




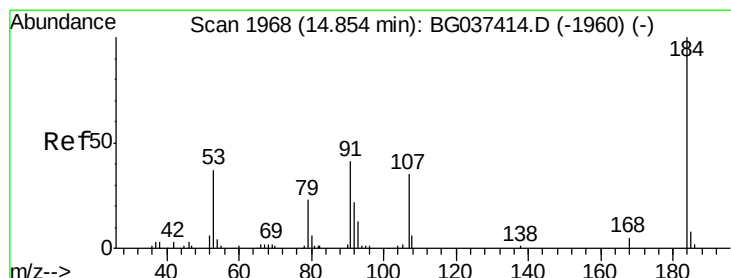
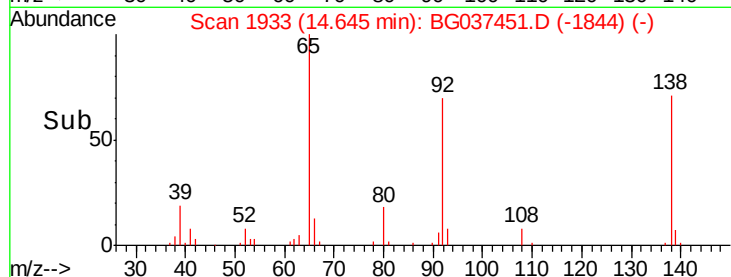
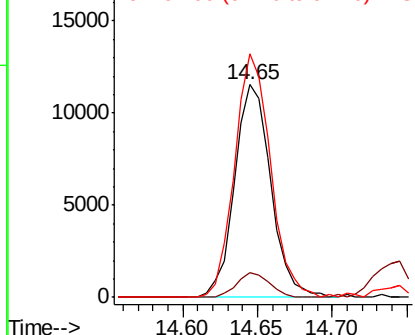
#53
 3-Nitroaniline
 Concen: 6.383 ng
 RT: 14.65 min Scan# 1933
 Delta R.T. -0.01 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:138 Resp: 19472
 Ion Ratio Lower Upper
 138 100
 108 11.9 11.0 16.6
 92 114.7 95.2 142.8

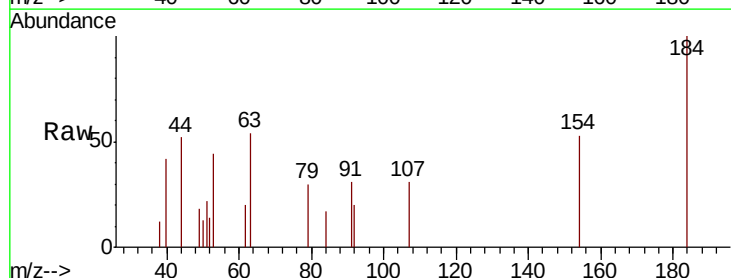


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BGC

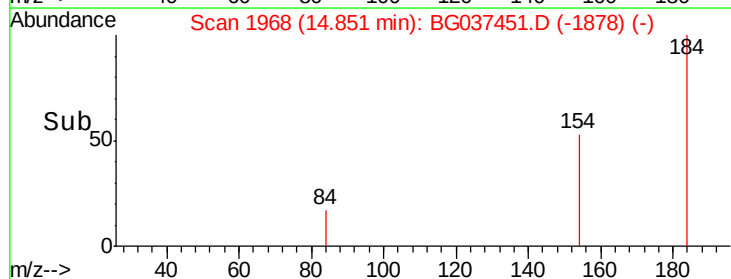
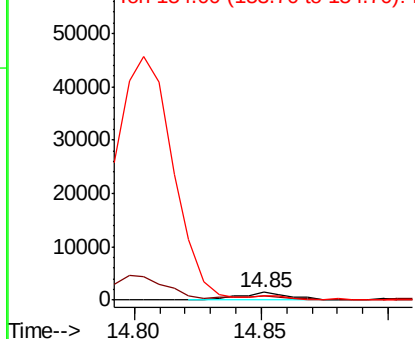


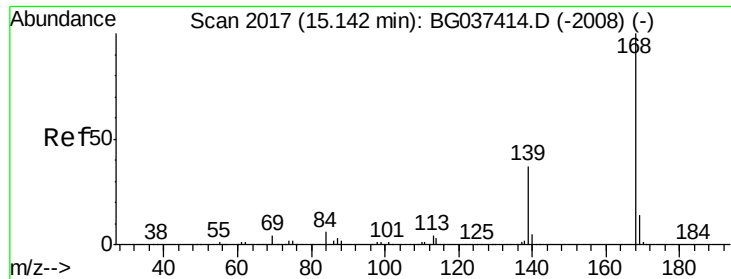
#54
 2,4-Dinitrophenol
 Concen: 9.080 ng
 RT: 14.85 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Tgt Ion:184 Resp: 1917
 Ion Ratio Lower Upper
 184 100
 63 54.3 42.6 63.8
 154 53.3 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

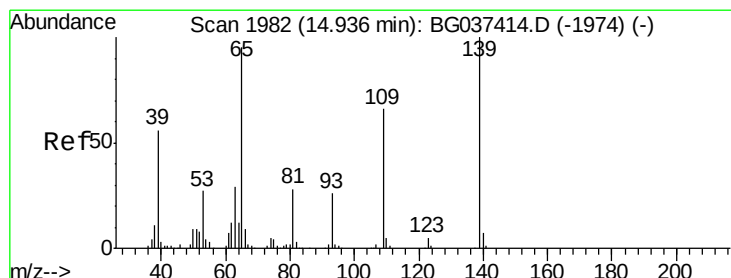
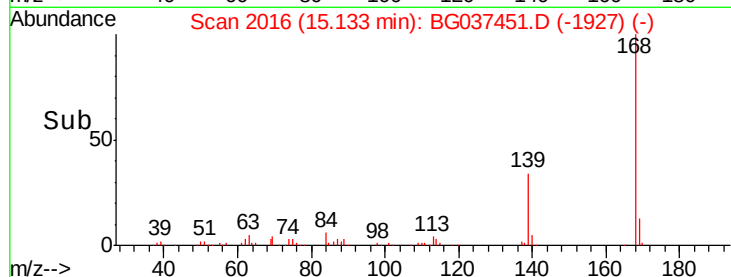
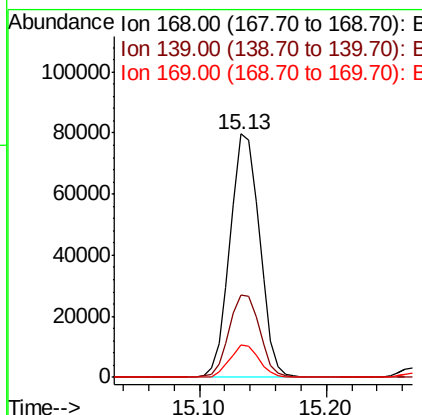
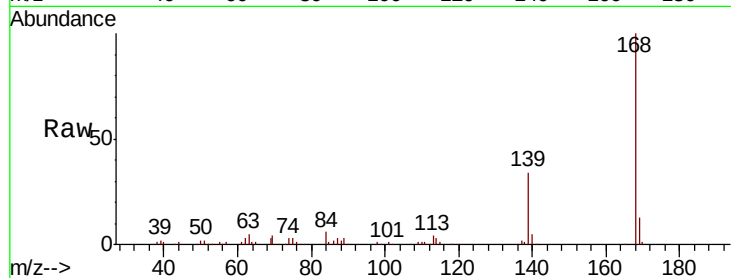




#55
Dibenzenofuran
Concen: 8.334 ng
RT: 15.13 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

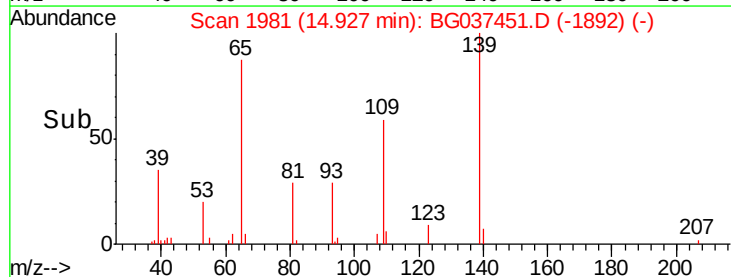
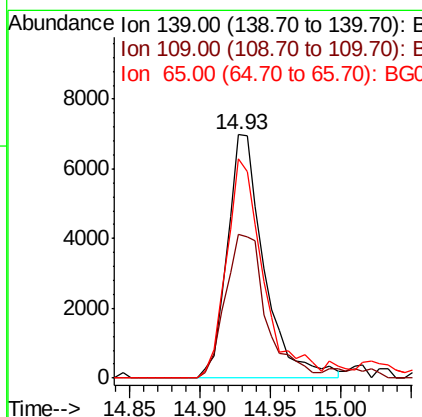
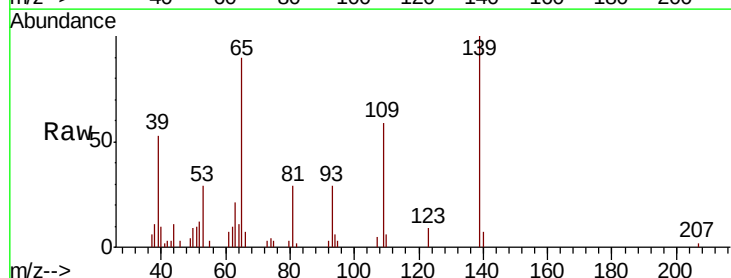
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

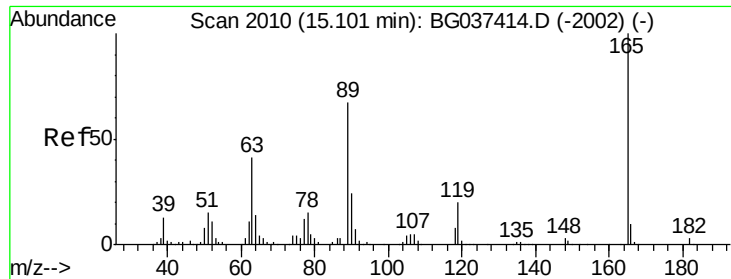
Tgt Ion:168 Resp: 128702
Ion Ratio Lower Upper
168 100
139 33.6 29.4 44.0
169 13.4 11.0 16.6



#56
4-Nitrophenol
Concen: 5.601 ng
RT: 14.93 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:139 Resp: 12648
Ion Ratio Lower Upper
139 100
109 59.3 49.5 89.5
65 89.9 76.8 116.8

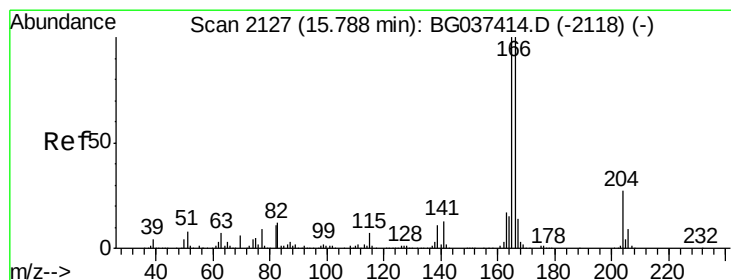
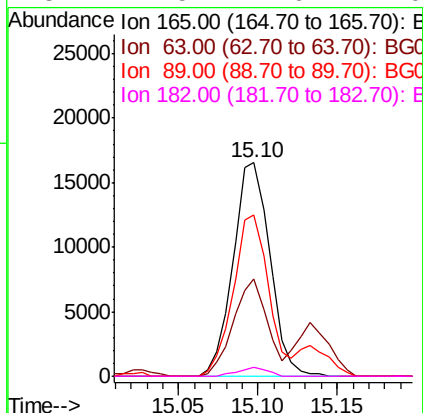
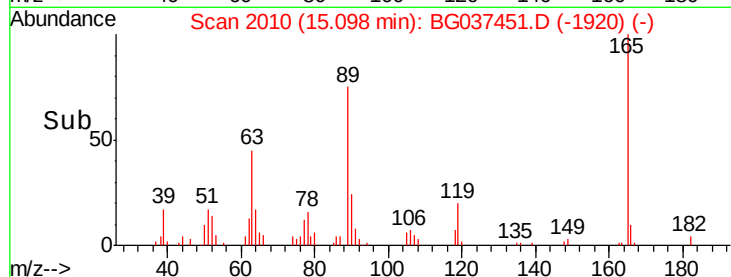
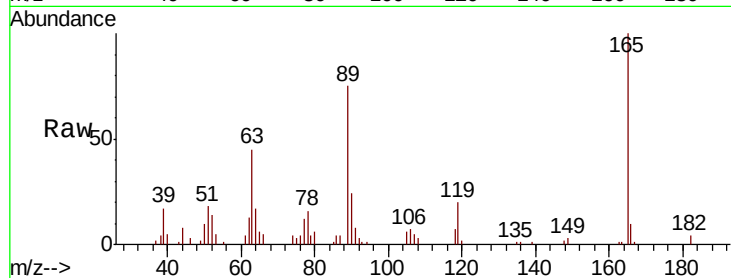




#57
2,4-Dinitrotoluene
Concen: 7.397 ng
RT: 15.10 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

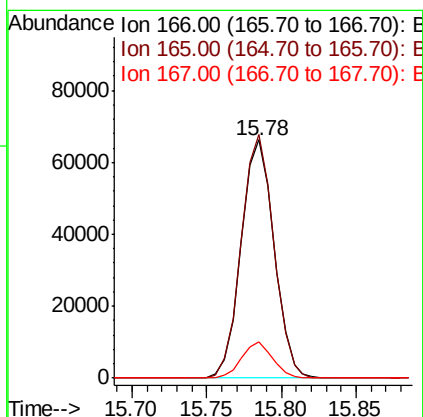
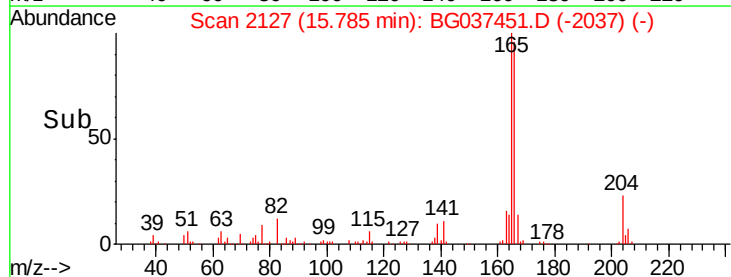
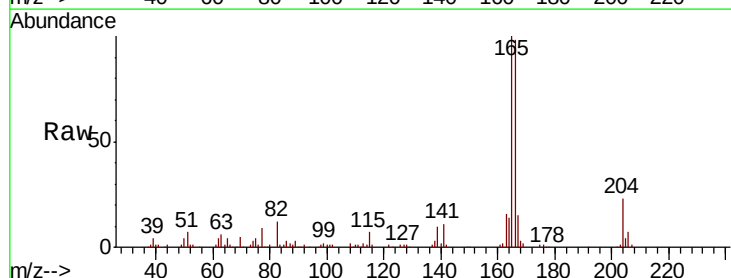
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

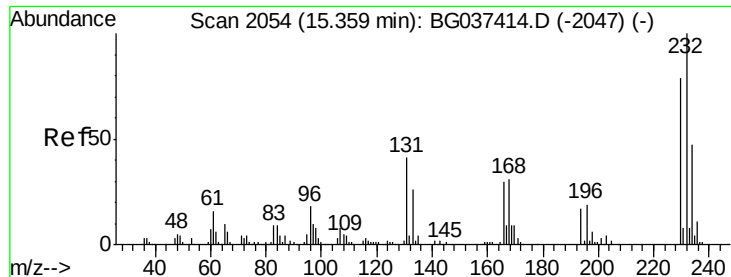
Tgt Ion	Ratio	Lower	Upper
165	100		
63	45.4	33.4	50.0
89	75.5	57.2	85.8
182	4.5	2.6	4.0#



#58
Fluorene
Concen: 8.745 ng
RT: 15.78 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.2	79.0	118.6
167	15.2	11.3	16.9

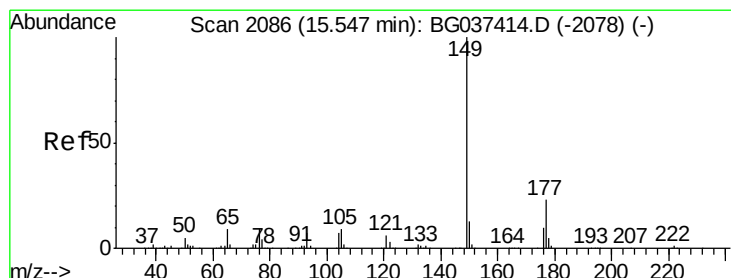
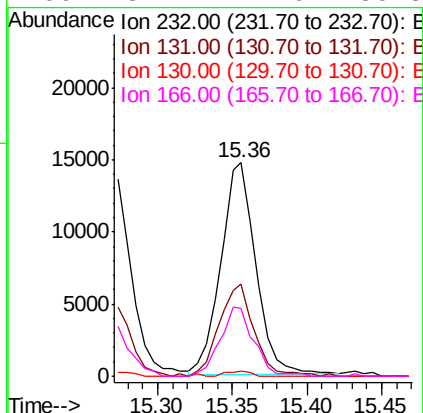
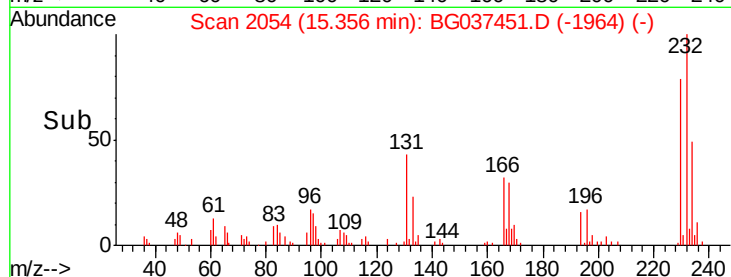
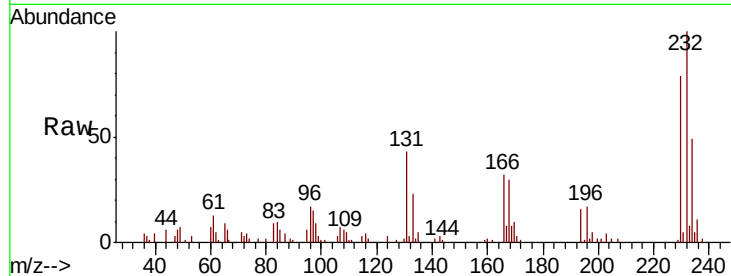




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.448 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

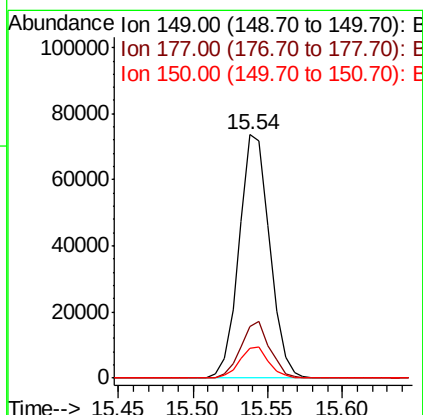
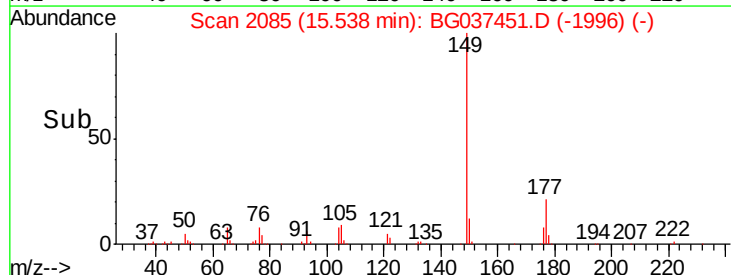
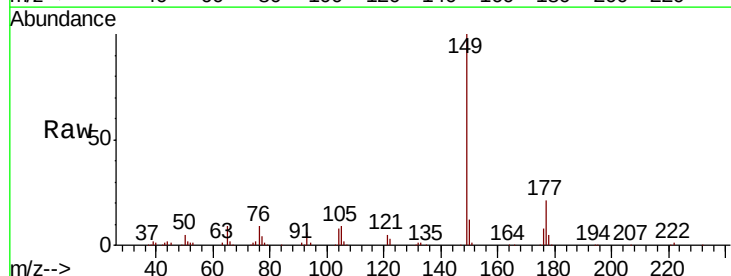
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

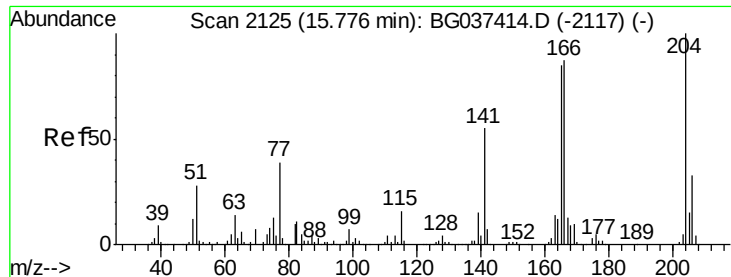
Tgt Ion: 232 Resp: 24026
Ion Ratio Lower Upper
232 100
131 44.1 33.7 50.5
130 1.7 2.1 3.1#
166 31.7 24.6 36.8



#60
Diethylphthalate
Concen: 8.209 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion: 149 Resp: 104694
Ion Ratio Lower Upper
149 100
177 21.0 18.3 27.5
150 12.1 10.0 15.0

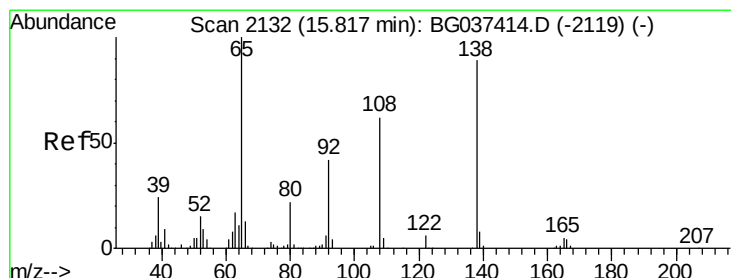
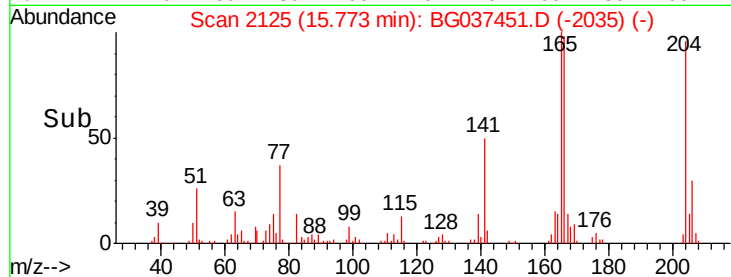
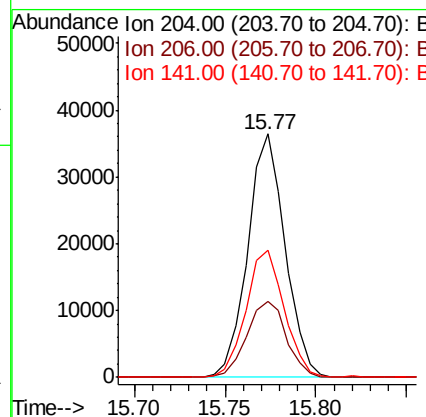
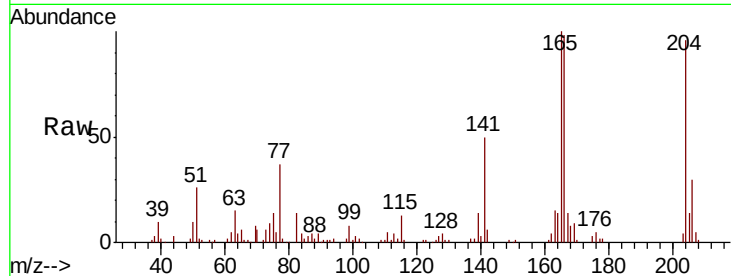




#61
 4-Chlorophenyl-phenylether
 Concen: 7.716 ng
 RT: 15.77 min Scan# 2125
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

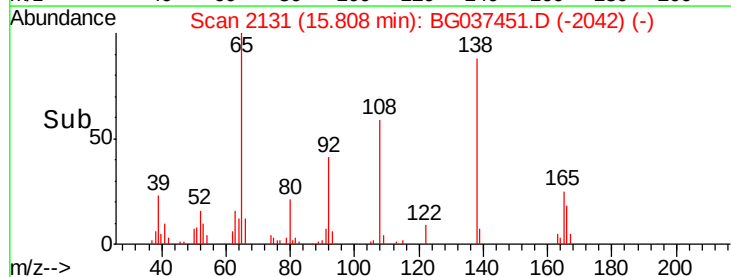
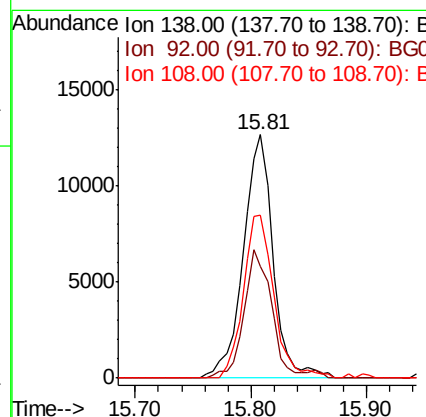
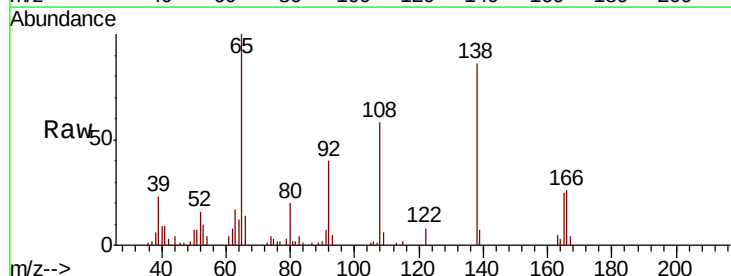
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

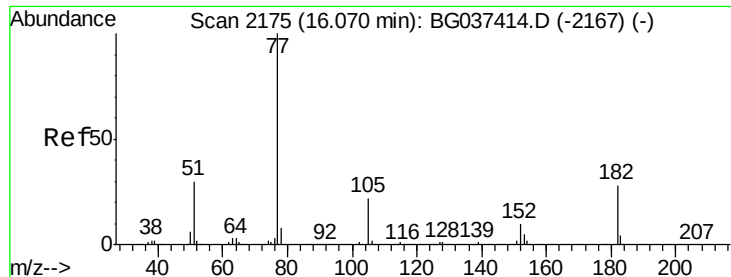
Tgt Ion:204 Resp: 52007
 Ion Ratio Lower Upper
 204 100
 206 31.3 26.6 39.8
 141 52.0 45.4 68.2



#62
 4-Nitroaniline
 Concen: 7.466 ng
 RT: 15.81 min Scan# 2131
 Delta R.T. -0.01 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Tgt Ion:138 Resp: 22633
 Ion Ratio Lower Upper
 138 100
 92 46.1 36.4 76.4
 108 66.7 60.1 100.1

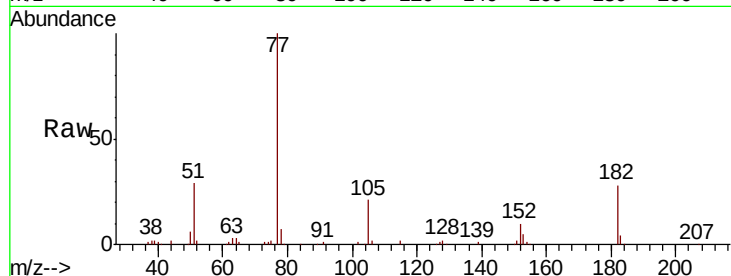




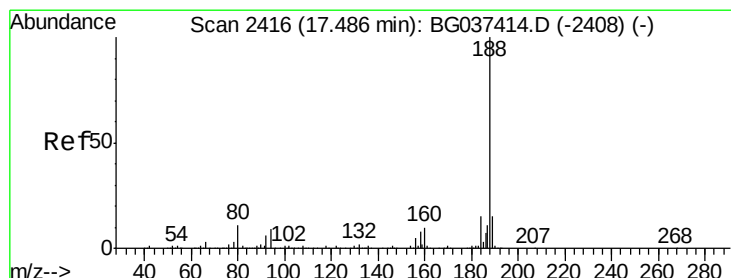
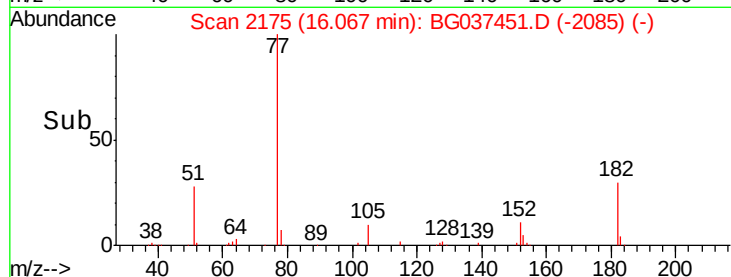
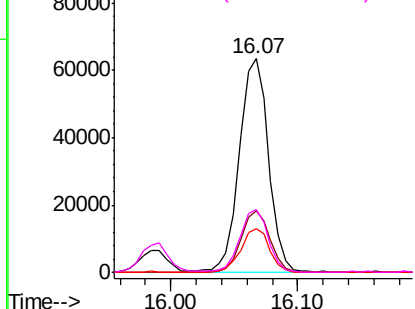
#63
Azobenzene
Concen: 8.301 ng
RT: 16.07 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	77	Resp:	101009
Ion	Ratio	Lower	Upper
77	100		
182	28.5	8.0	48.0
105	20.5	1.3	41.3
51	29.1	10.7	50.7

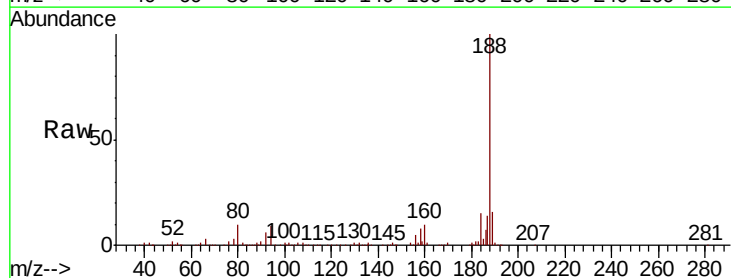


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

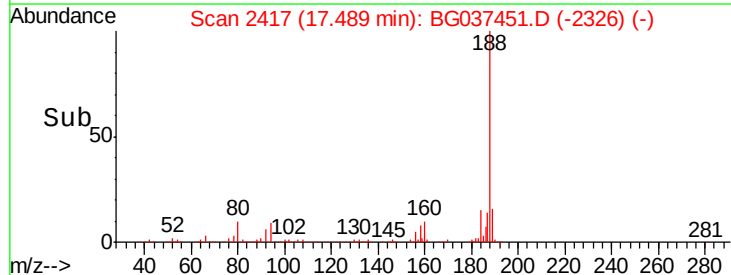
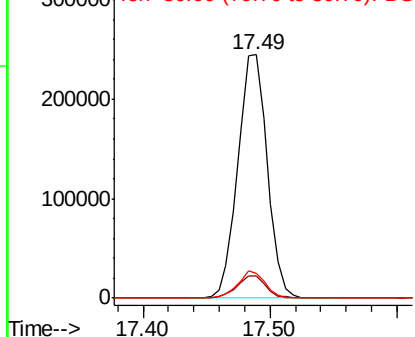


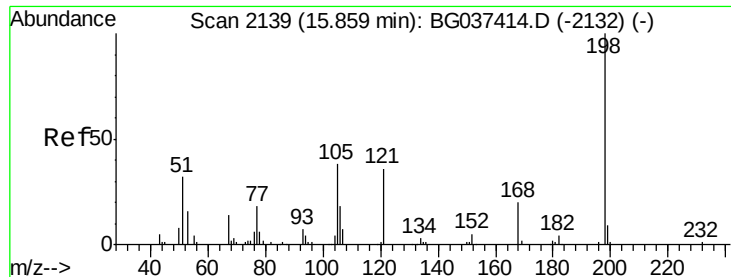
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:	188	Resp:	392858
Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	10.2	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

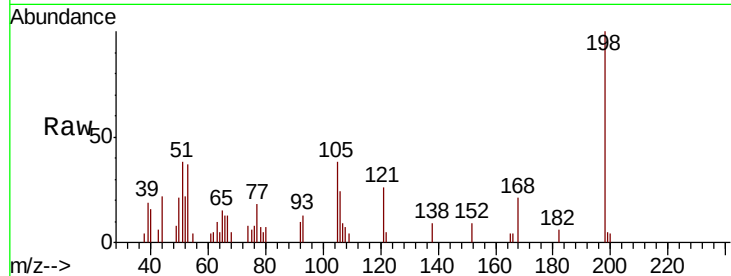




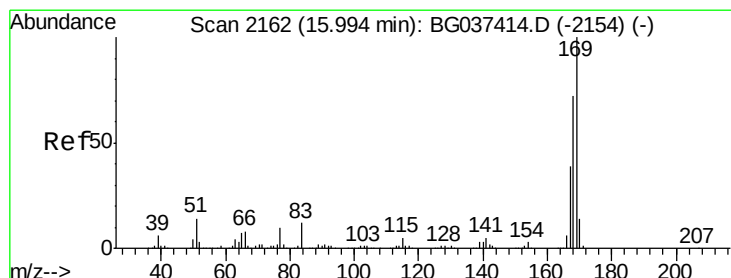
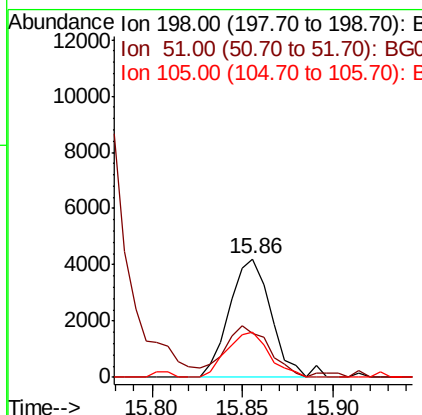
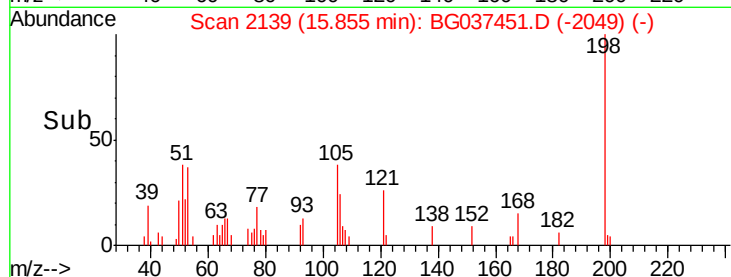
#65
 4,6-Dinitro-2-methylphenol
 Concen: 11.207 ng
 RT: 15.86 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:198 Resp: 6763
 Ion Ratio Lower Upper
 198 100
 51 37.5 22.7 62.7
 105 38.1 19.7 59.7

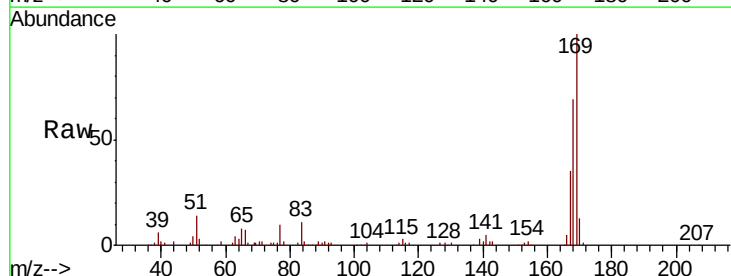


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

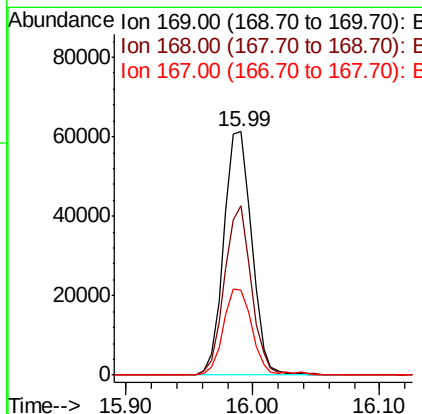
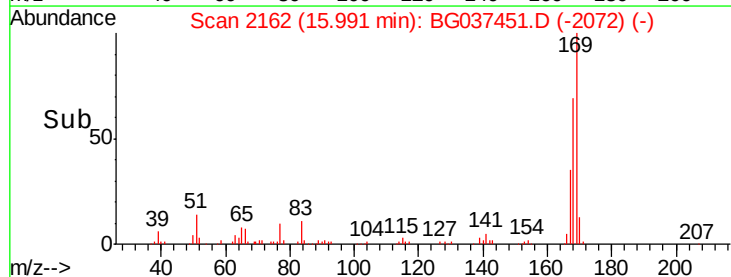


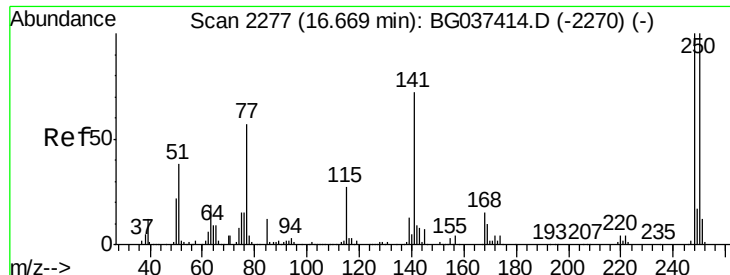
#66
 n-Nitrosodiphenylamine
 Concen: 7.891 ng
 RT: 15.99 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Tgt Ion:169 Resp: 93250
 Ion Ratio Lower Upper
 169 100
 168 69.3 55.7 83.5
 167 35.1 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

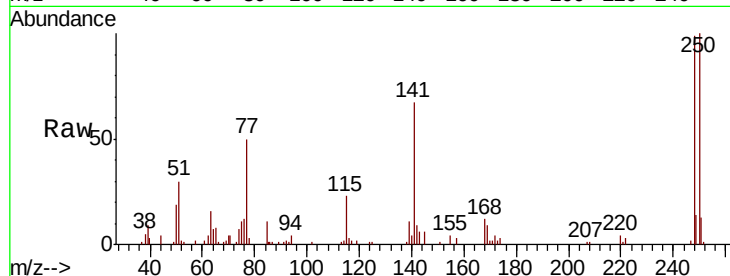




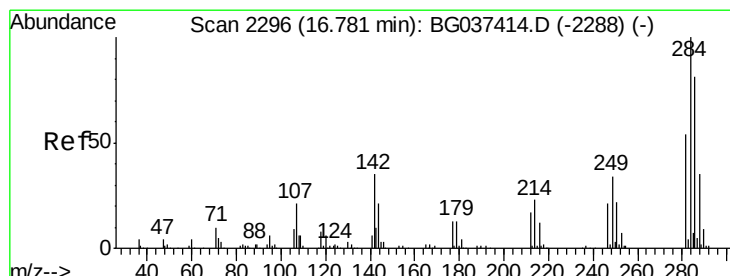
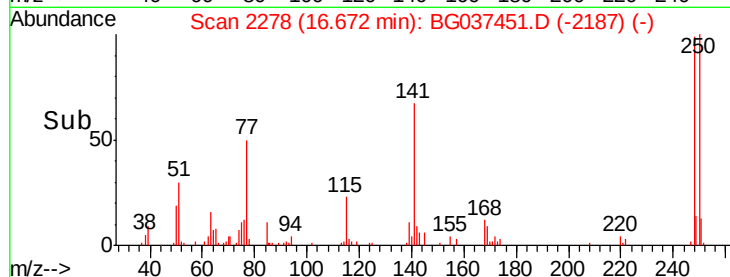
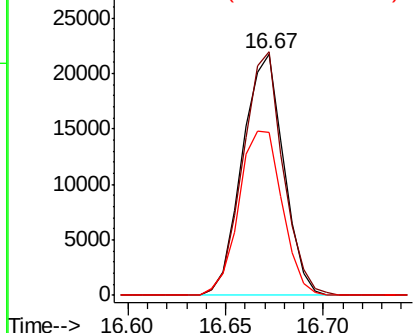
#67
 4-Bromophenyl-phenylether
 Concen: 7.381 ng
 RT: 16.67 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:248 Resp: 31844
 Ion Ratio Lower Upper
 248 100
 250 100.8 77.0 115.6
 141 67.3 55.5 83.3

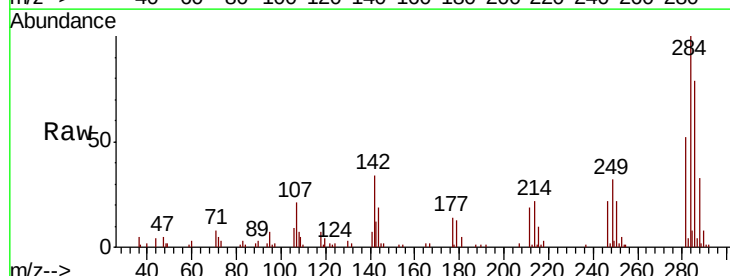


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

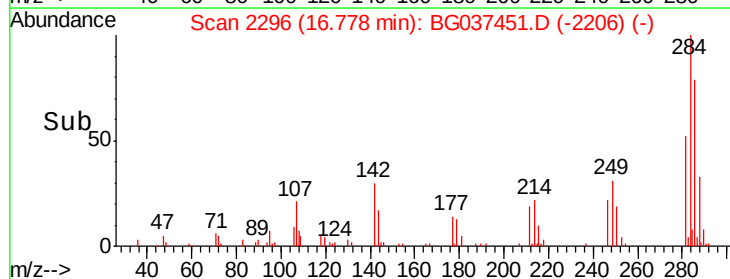
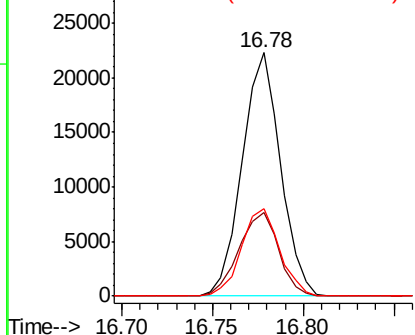


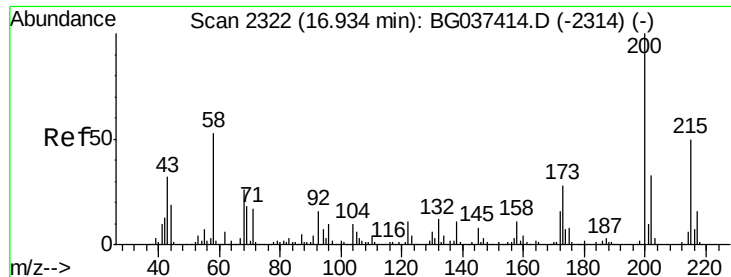
#68
 Hexachlorobenzene
 Concen: 7.340 ng
 RT: 16.78 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Tgt Ion:284 Resp: 32819
 Ion Ratio Lower Upper
 284 100
 142 34.3 28.1 42.1
 249 35.9 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

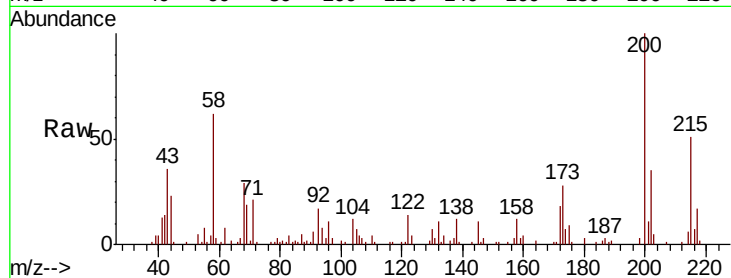




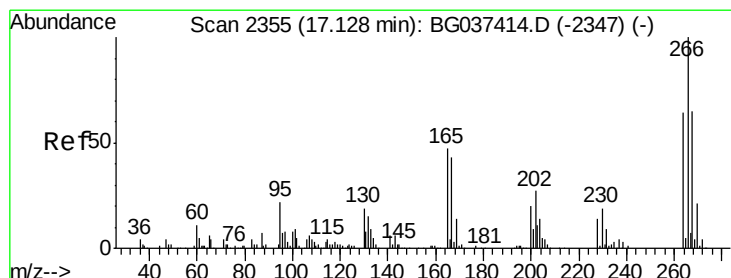
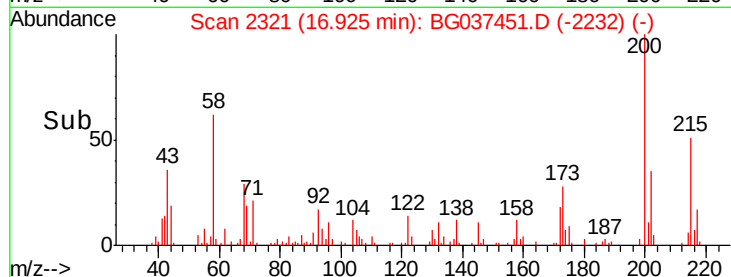
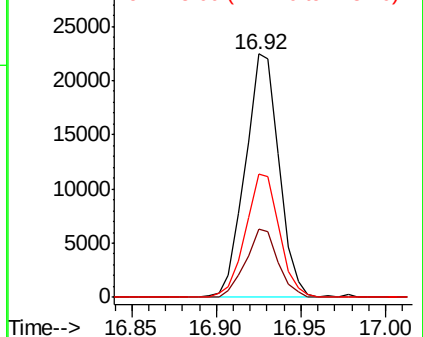
#69
 Atrazine
 Concen: 7.341 ng
 RT: 16.92 min Scan# 2321
 Delta R.T. -0.01 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:200 Resp: 31365
 Ion Ratio Lower Upper
 200 100
 173 27.9 6.1 46.1
 215 50.5 30.8 70.8

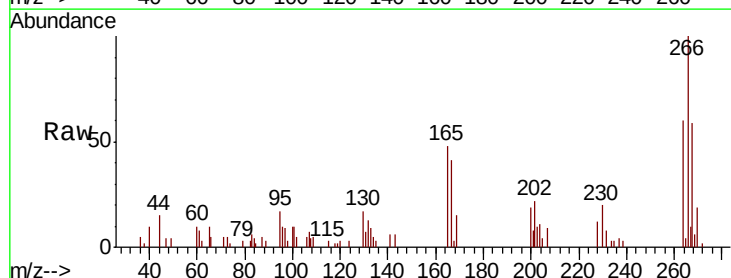


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

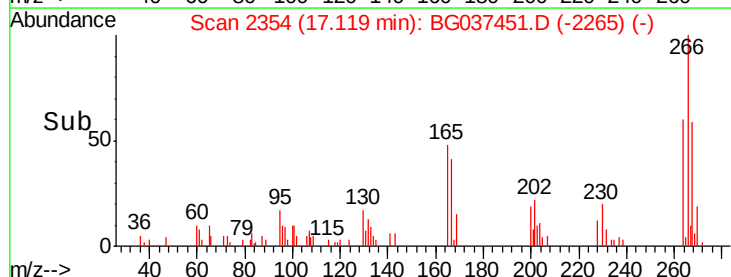
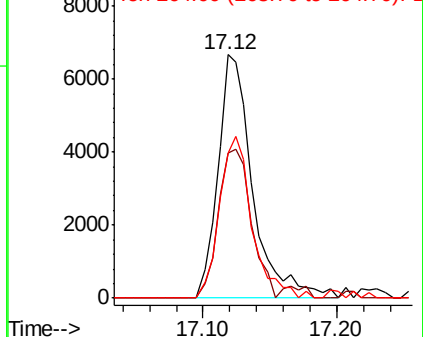


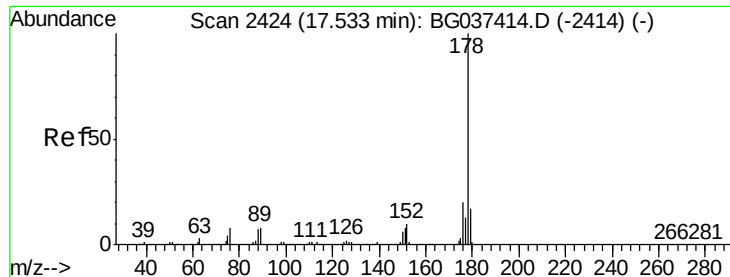
#70
 Pentachlorophenol
 Concen: 4.055 ng
 RT: 17.12 min Scan# 2354
 Delta R.T. -0.01 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Tgt Ion:266 Resp: 12144
 Ion Ratio Lower Upper
 266 100
 268 65.5 55.0 82.6
 264 59.6 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

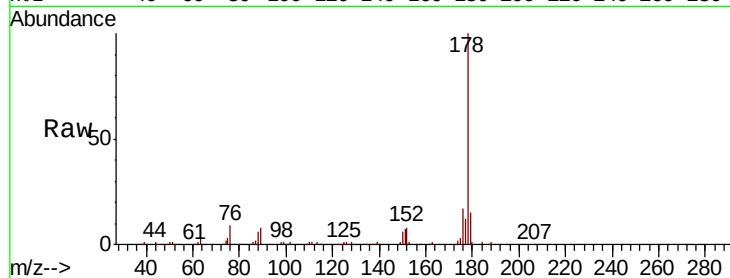




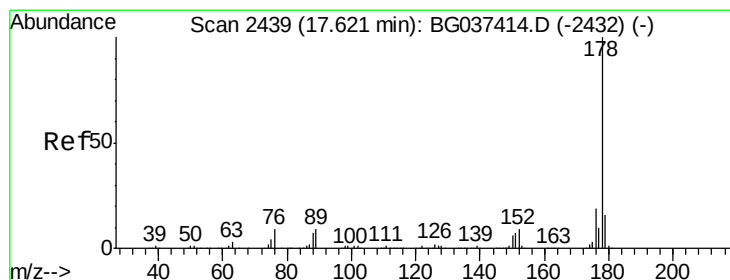
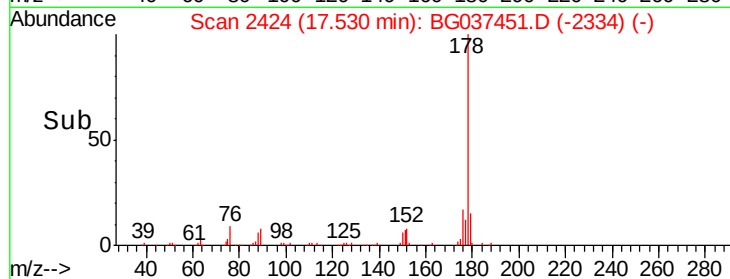
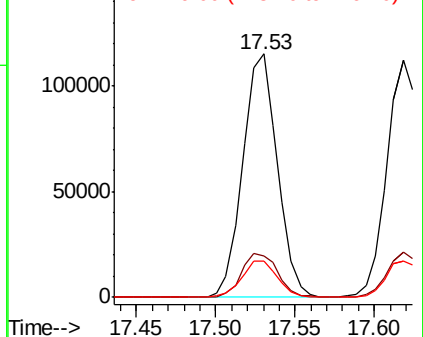
#71
Phenanthrene
Concen: 8.714 ng
RT: 17.53 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:178 Resp: 173994
Ion Ratio Lower Upper
178 100
176 17.1 16.1 24.1
179 15.0 13.0 19.4

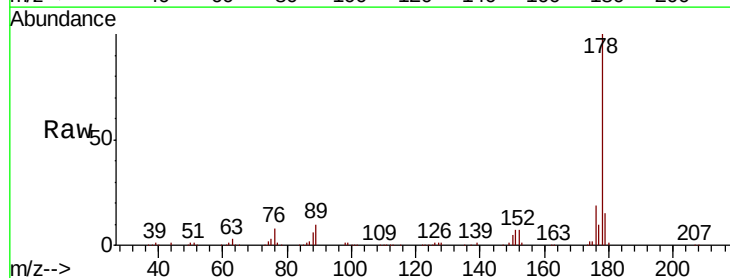


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

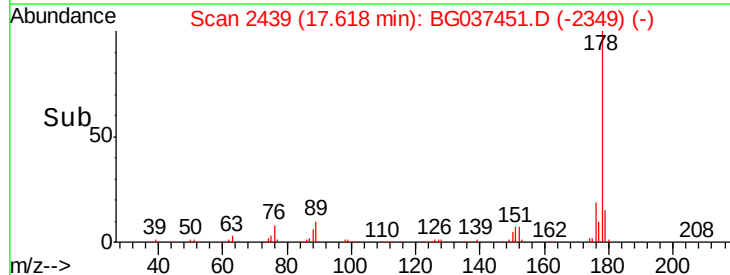
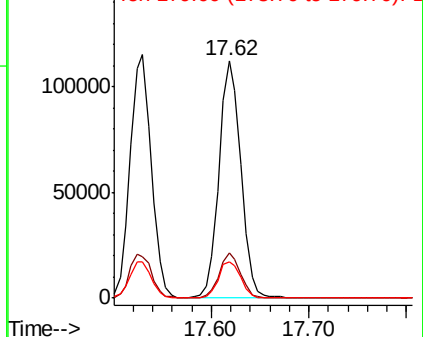


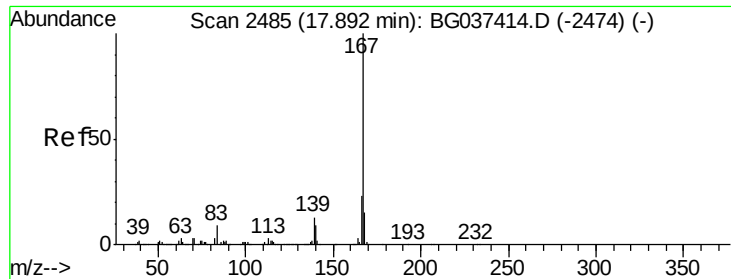
#72
Anthracene
Concen: 8.878 ng
RT: 17.62 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:178 Resp: 173947
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.3 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

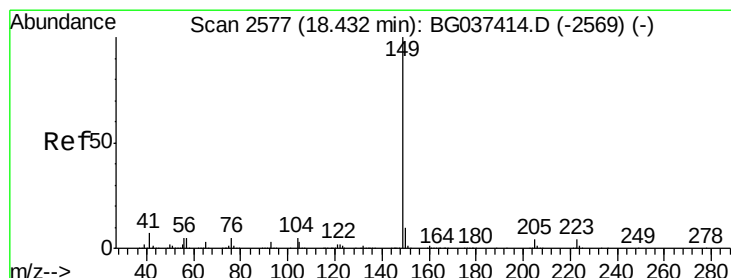
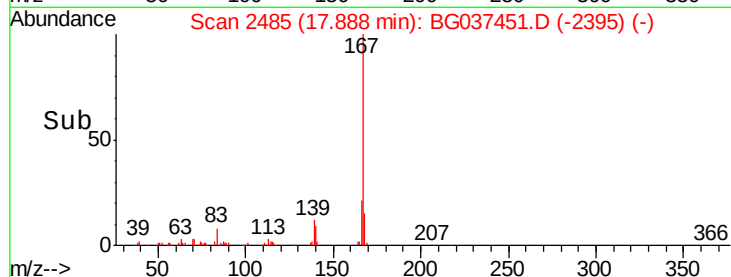
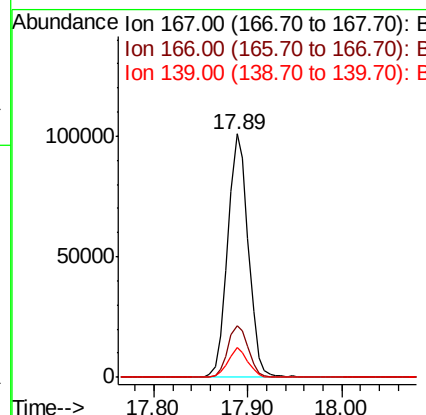
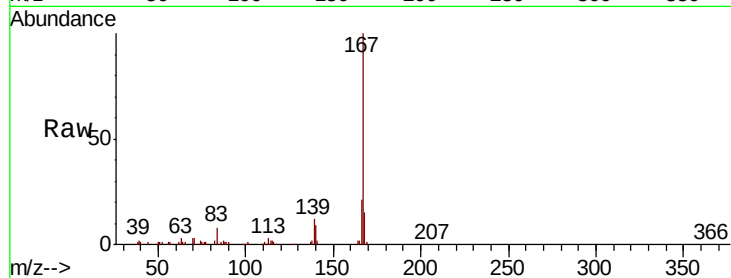




#73
 Carbazole
 Concen: 7.869 ng
 RT: 17.89 min Scan# 2485
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

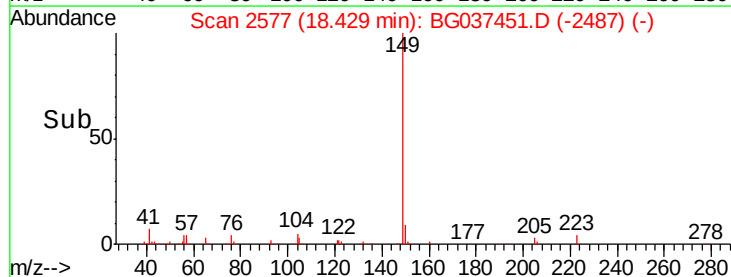
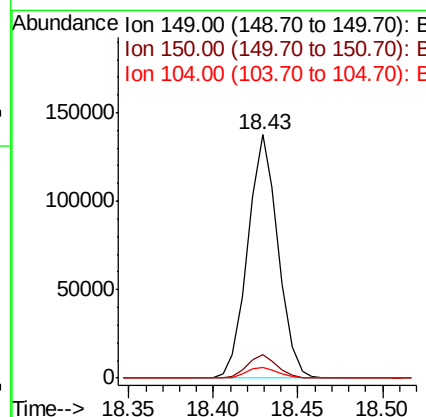
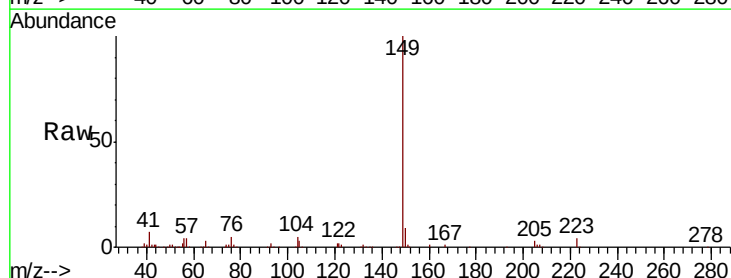
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

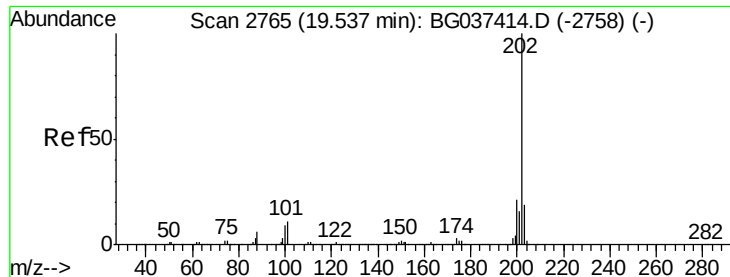
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.3	27.5
139	12.0	10.5	15.7



#74
 Di-n-butylphthalate
 Concen: 7.872 ng
 RT: 18.43 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	8.2	12.2
104	4.5	4.0	6.0





#75

Fluoranthene

Concen: 8.719 ng

RT: 19.53 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

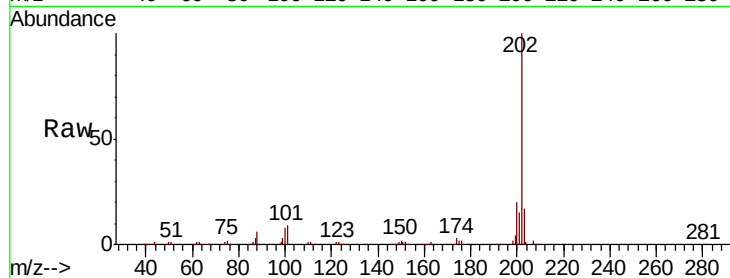
Tgt Ion:202 Resp: 197435

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.7

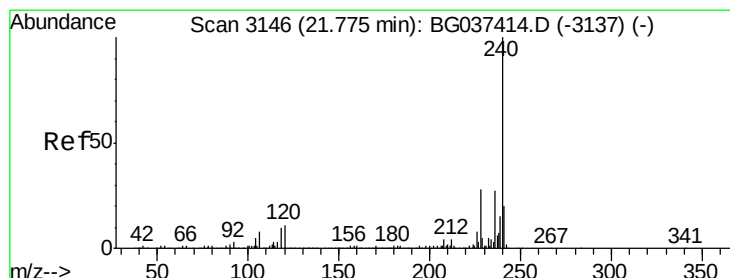
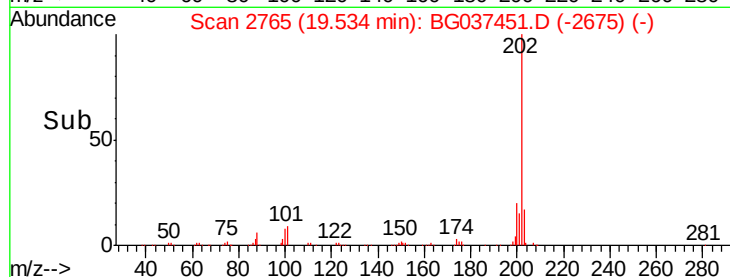
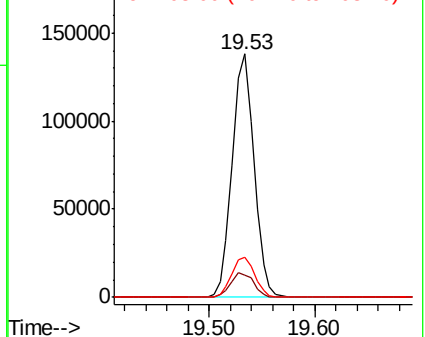
203 16.6 0.0 38.5



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: BG037451.D

Acq: 19 Oct 2018 13:21

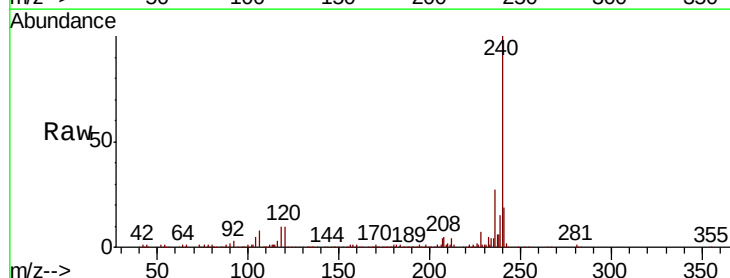
Tgt Ion:240 Resp: 365611

Ion Ratio Lower Upper

240 100

120 10.2 8.1 12.1

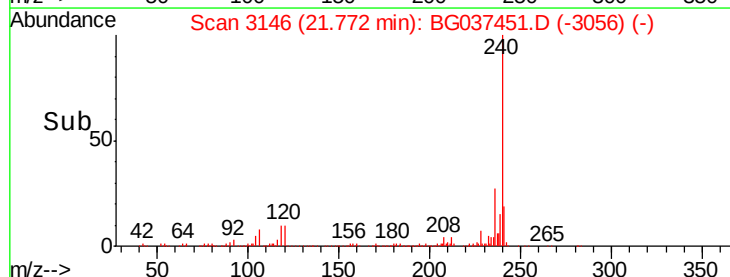
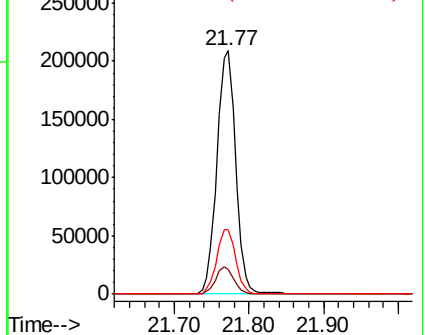
236 26.6 21.4 32.0

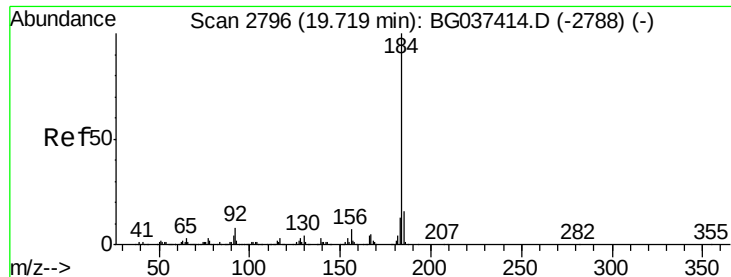


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.833 ng

RT: 19.72 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

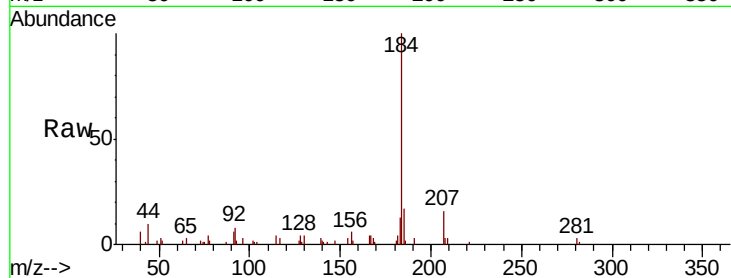
Tgt Ion:184 Resp: 22783

Ion Ratio Lower Upper

184 100

185 17.5 12.6 18.8

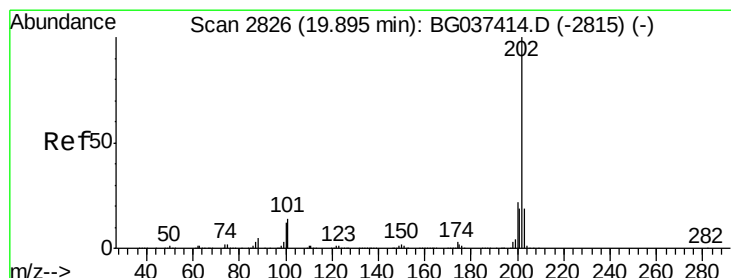
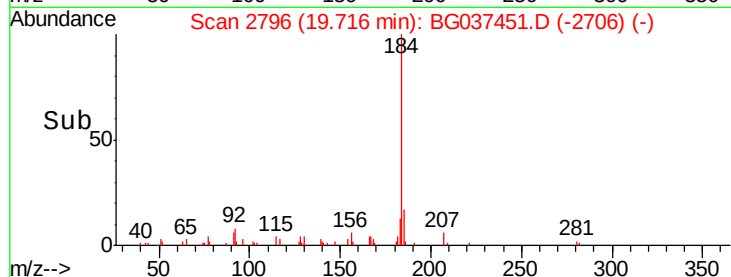
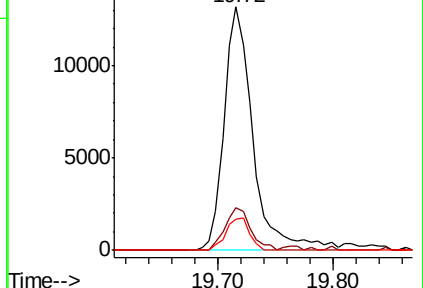
183 13.0 10.2 15.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 8.410 ng

RT: 19.90 min Scan# 2827

Delta R.T. 0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

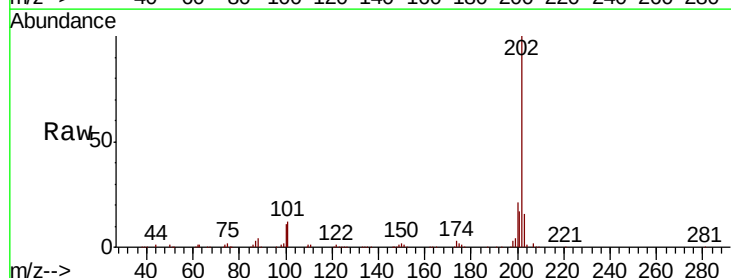
Tgt Ion:202 Resp: 201010

Ion Ratio Lower Upper

202 100

200 20.7 17.8 26.6

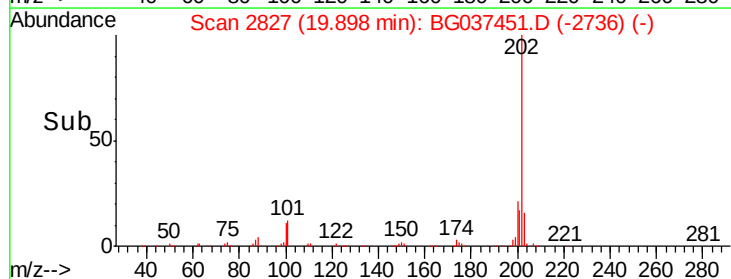
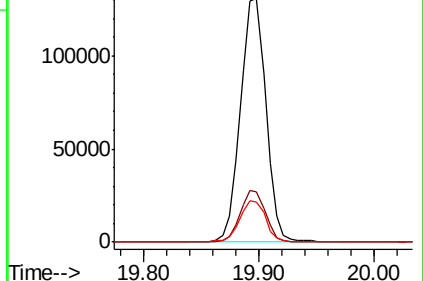
203 16.3 15.2 22.8

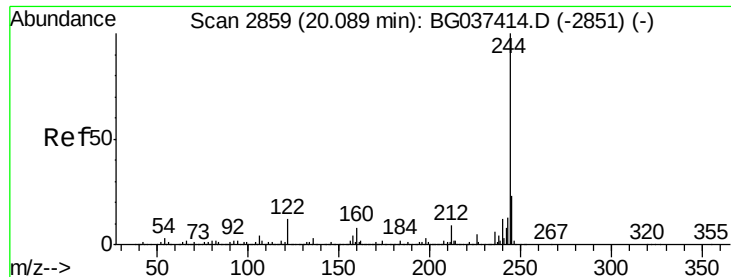


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 78.943 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

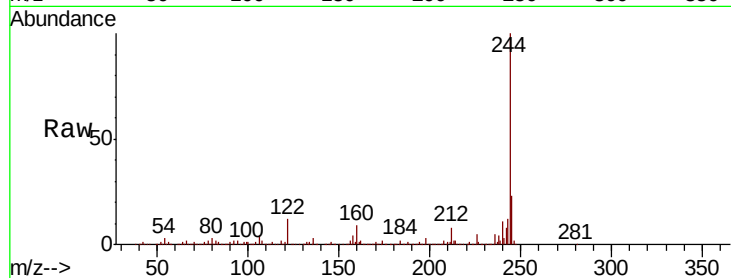
Tgt Ion:244 Resp: 1350755

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

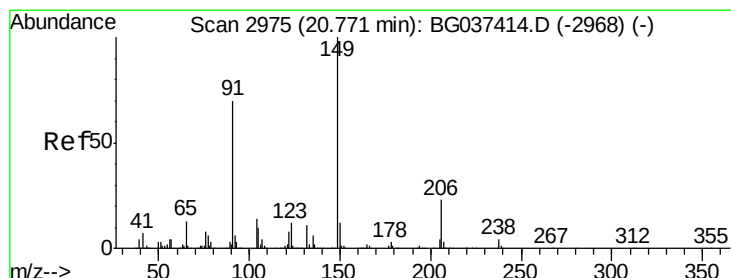
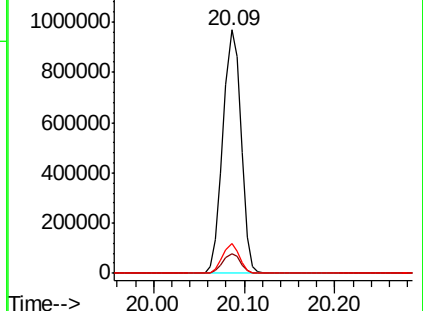
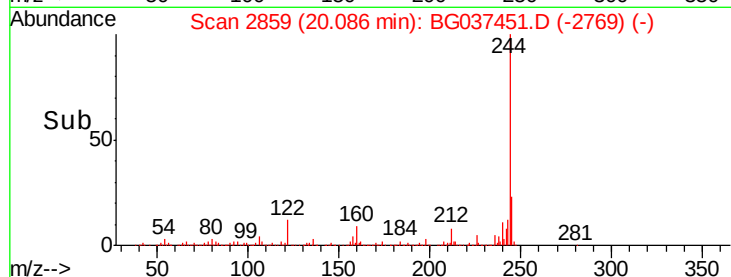
122 12.1 9.0 13.4



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: 7.132 ng

RT: 20.77 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

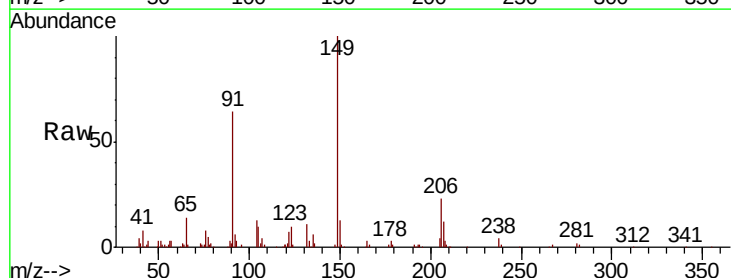
Tgt Ion:149 Resp: 69762

Ion Ratio Lower Upper

149 100

91 63.8 57.0 85.4

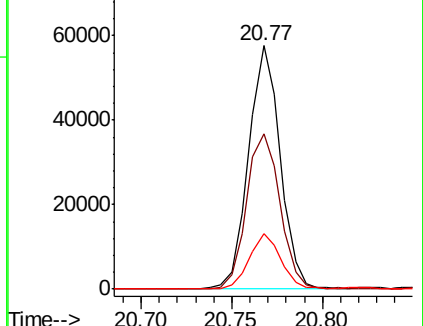
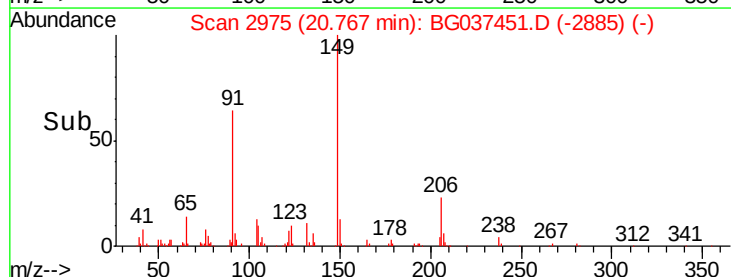
206 22.7 17.8 26.6

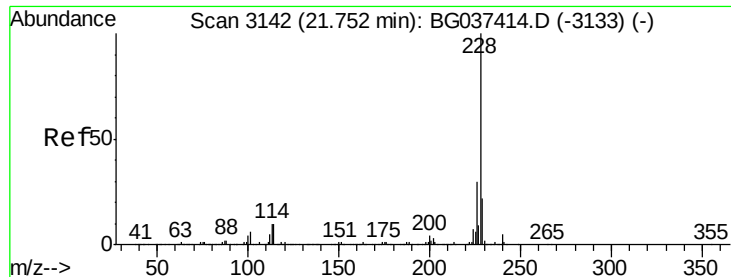


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

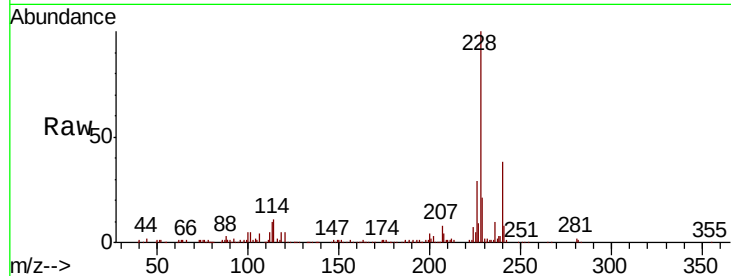




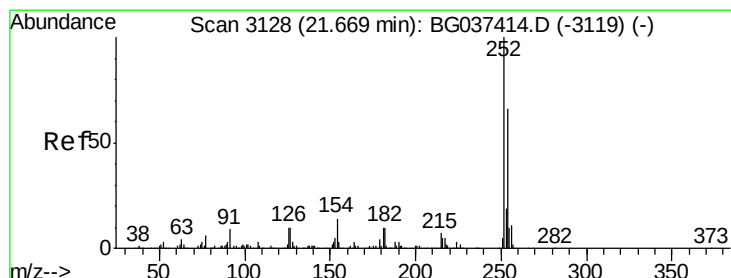
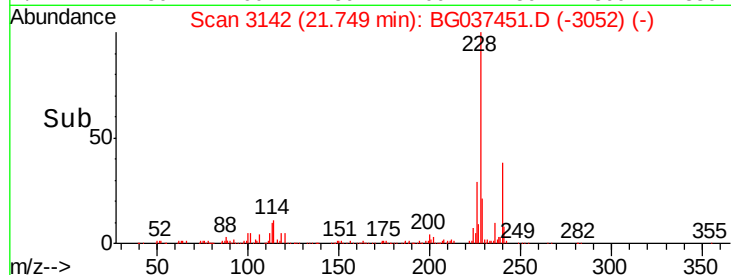
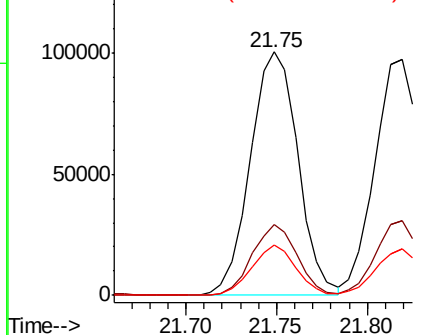
#81
Benzo(a)anthracene
Concen: 8.481 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 228 Resp: 183411
Ion Ratio Lower Upper
228 100
226 29.1 22.6 33.8
229 20.8 16.3 24.5

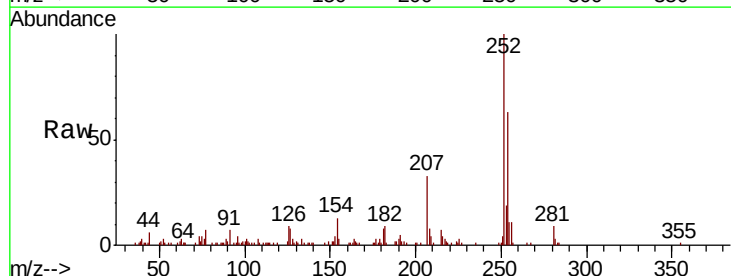


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

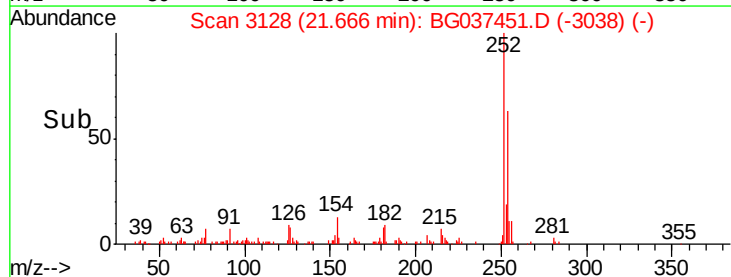
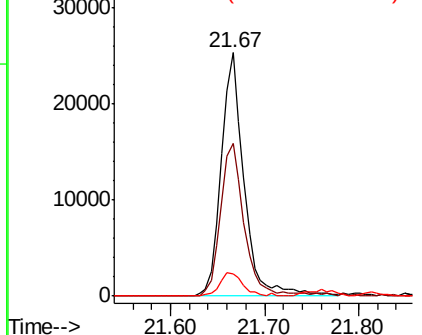


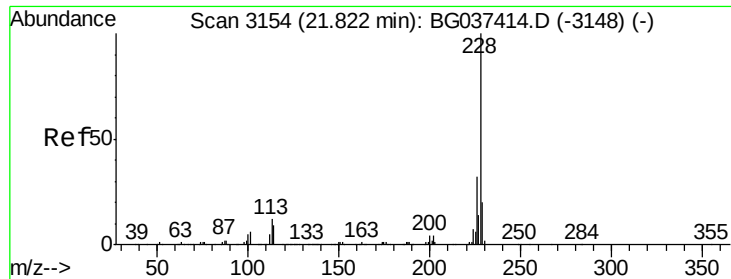
#82
3,3'-Dichlorobenzidine
Concen: 5.121 ng
RT: 21.67 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion: 252 Resp: 42927
Ion Ratio Lower Upper
252 100
254 62.7 52.0 78.0
126 9.2 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



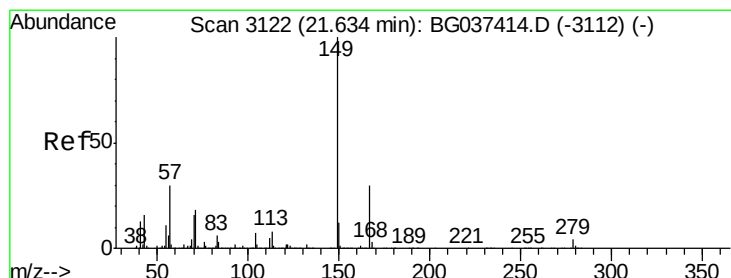
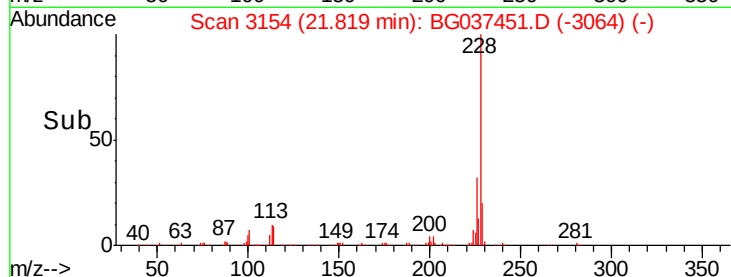
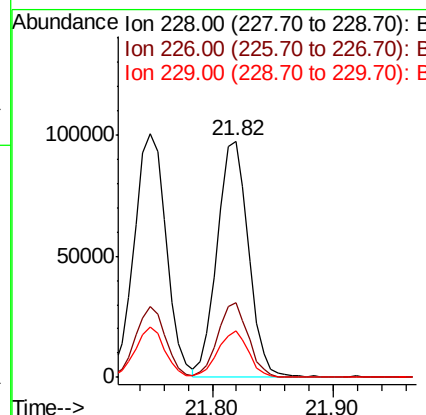
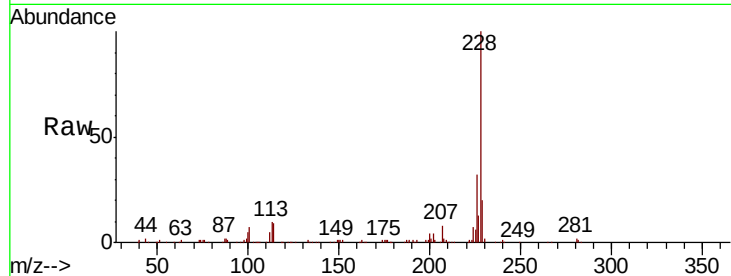


#83
Chrysene
 Concen: 8.357 ng
 RT: 21.82 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 228 Resp: 173777

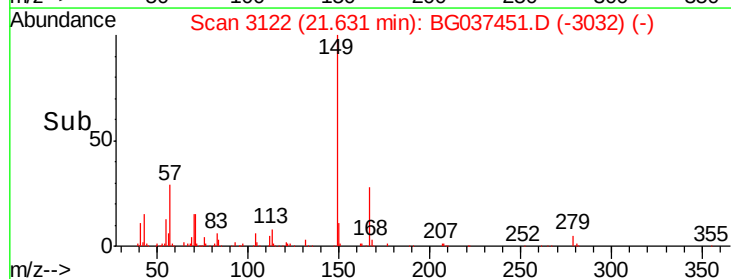
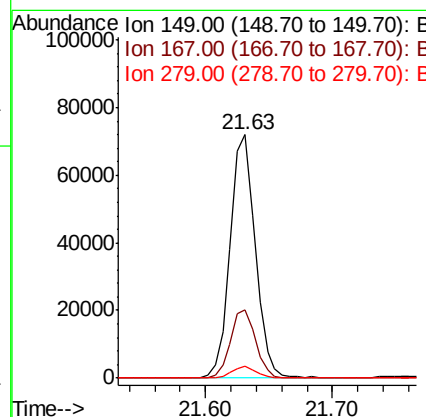
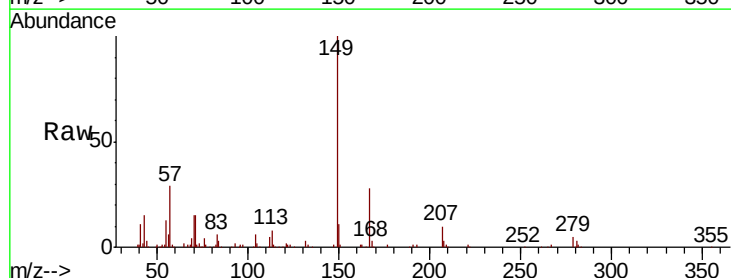
Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.7	38.5
229	19.8	16.5	24.7

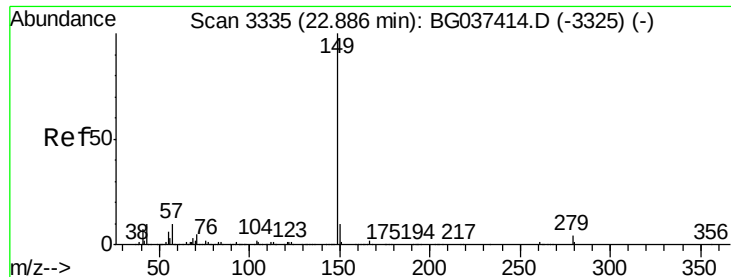


#84
Bis(2-ethylhexyl)phthalate
 Concen: 7.226 ng
 RT: 21.63 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: BG037451.D
 Acq: 19 Oct 2018 13:21

Tgt Ion: 149 Resp: 99080

Ion	Ratio	Lower	Upper
149	100		
167	27.9	23.0	34.4
279	4.8	3.6	5.4

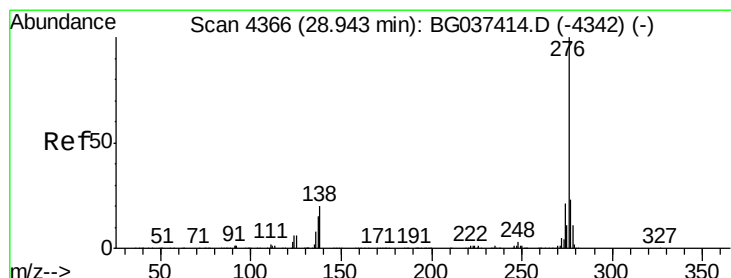
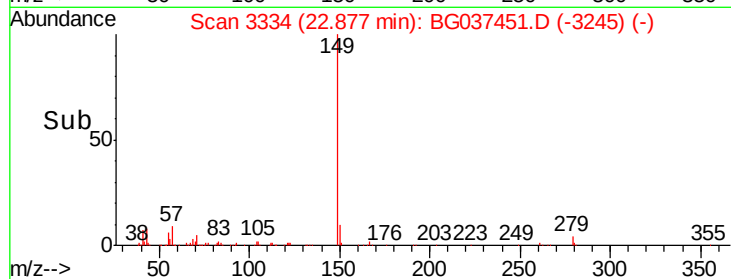
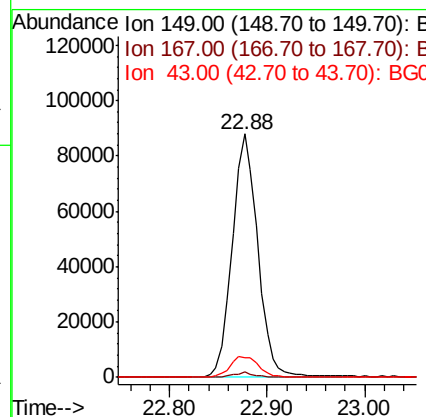
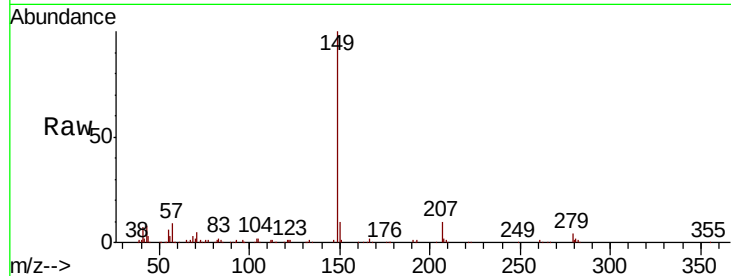




#85
Di-n-octyl phthalate
Concen: 7.167 ng
RT: 22.88 min Scan# 3334
Delta R.T. -0.01 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

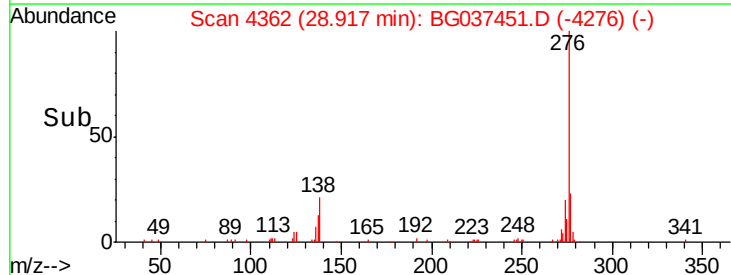
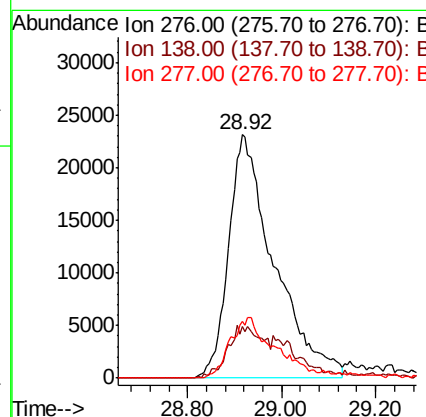
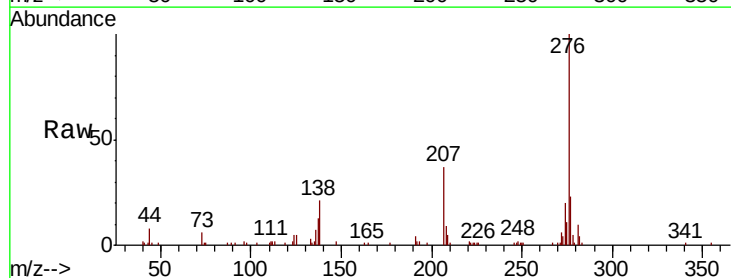
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

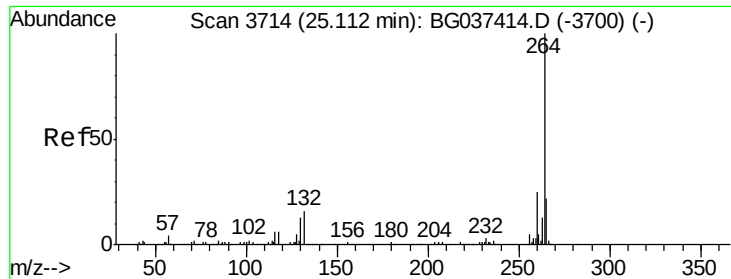
Tgt Ion:149 Resp: 160240
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.6 8.7 13.1



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.957 ng
RT: 28.92 min Scan# 4362
Delta R.T. -0.03 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:276 Resp: 155173
Ion Ratio Lower Upper
276 100
138 16.5 12.0 18.0
277 0.0 20.6 30.8#





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3714

Delta R.T. -0.00 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

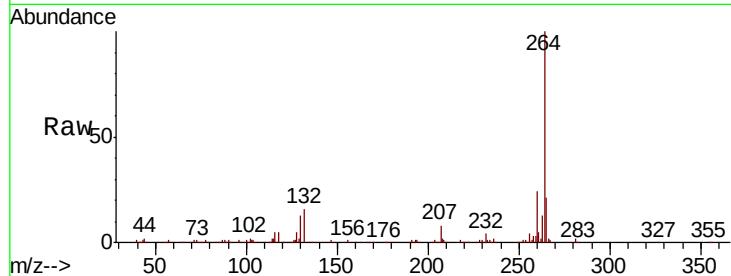
Tgt Ion:264 Resp: 362439

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.4

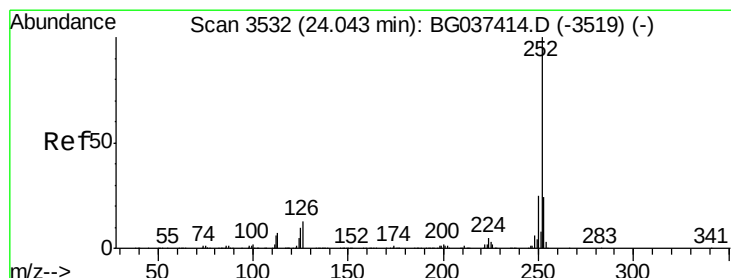
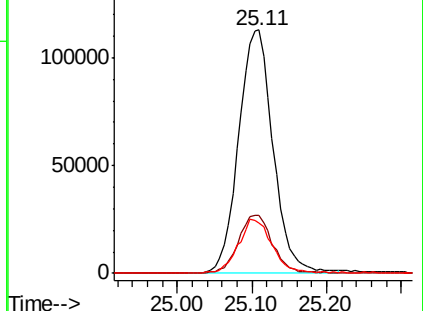
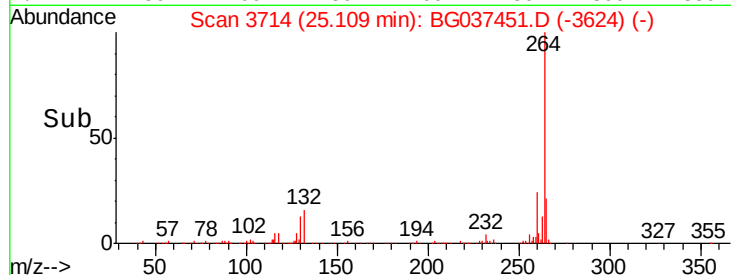
265 20.9 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 8.367 ng

RT: 24.03 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

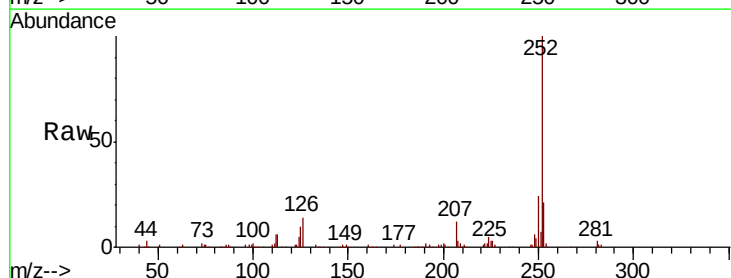
Tgt Ion:252 Resp: 166261

Ion Ratio Lower Upper

252 100

253 21.4 18.2 27.2

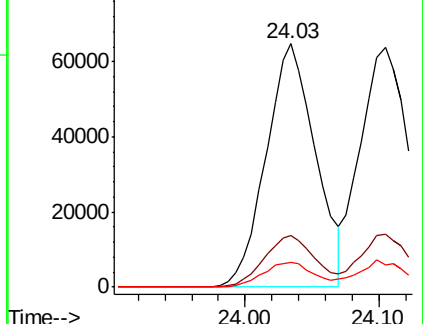
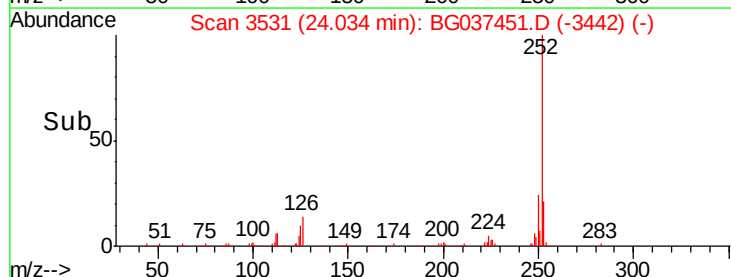
125 10.2 7.8 11.6

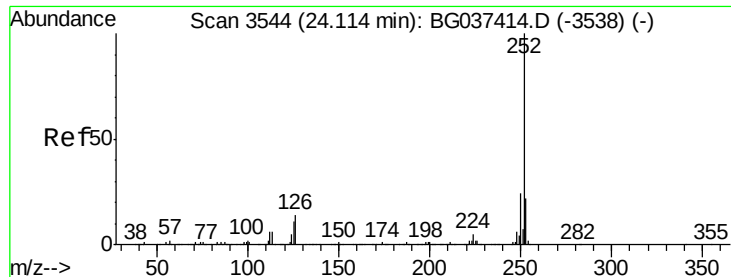


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 8.512 ng

RT: 24.10 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

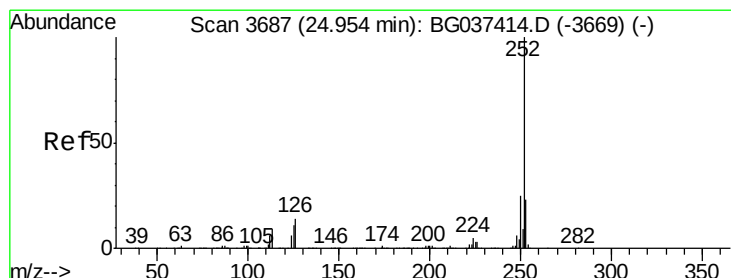
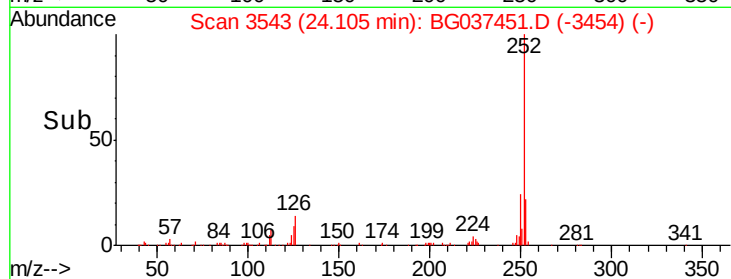
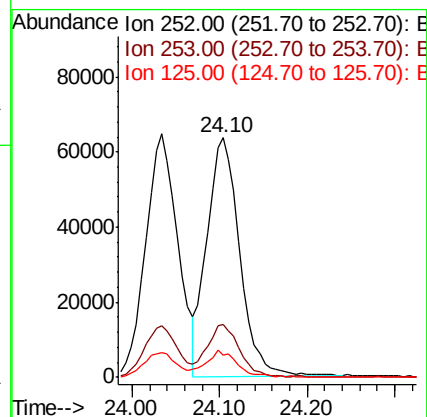
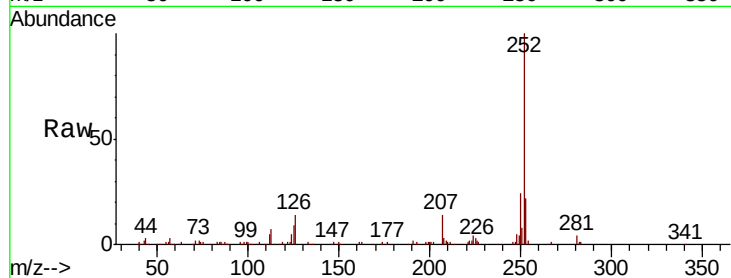
Tgt Ion:252 Resp: 165702

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 9.2 7.4 11.0



#90

Benzo(a)pyrene

Concen: 8.238 ng

RT: 24.94 min Scan# 3685

Delta R.T. -0.01 min

Lab File: BG037451.D

Acq: 19 Oct 2018 13:21

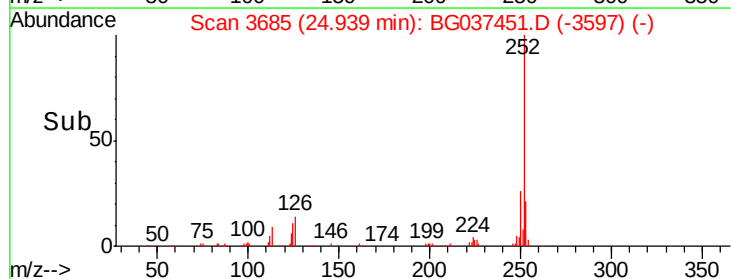
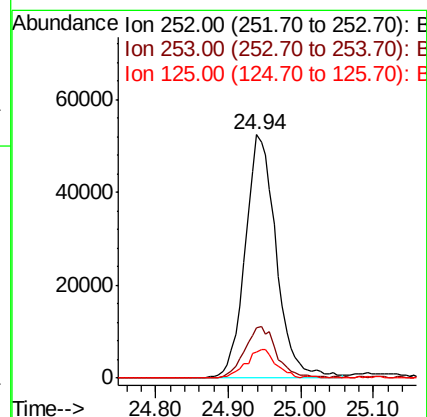
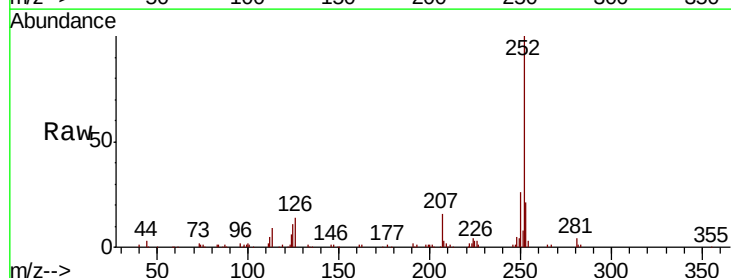
Tgt Ion:252 Resp: 155551

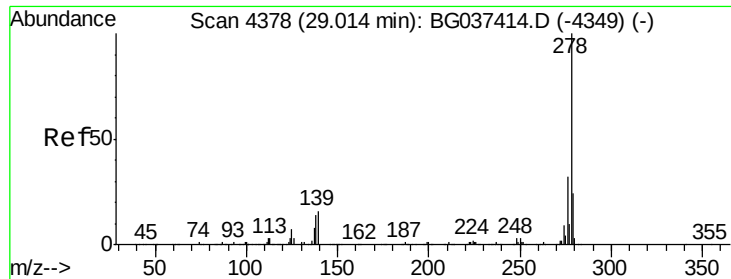
Ion Ratio Lower Upper

252 100

253 20.7 17.4 26.2

125 10.8 9.0 13.6

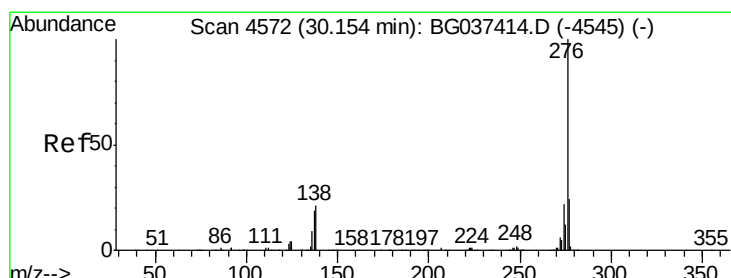
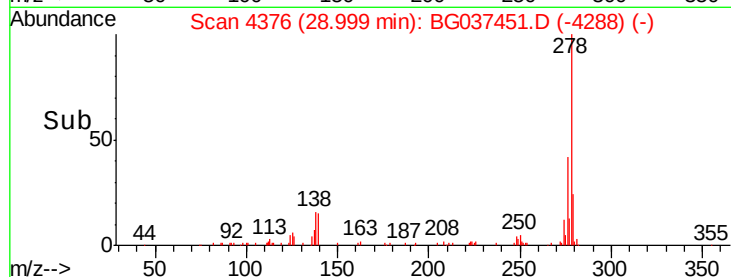
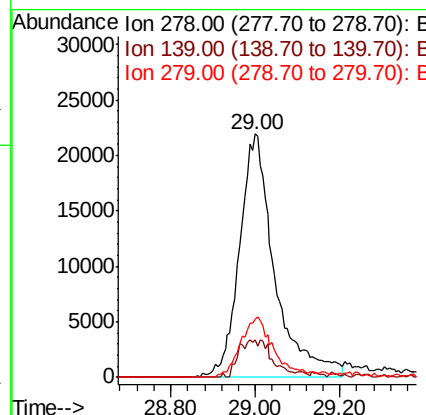
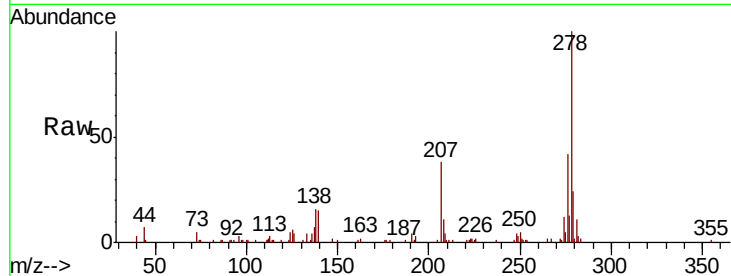




#91
Dibenzo(a,h)anthracene
Concen: 7.280 ng
RT: 29.00 min Scan# 4376
Delta R.T. -0.01 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.5	11.5	17.3
279	24.1	18.6	27.8



#92
Benzo(g,h,i)perylene
Concen: 7.655 ng
RT: 30.12 min Scan# 4567
Delta R.T. -0.03 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.0	18.9	28.3
138	21.2	17.2	25.8

