

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037422.D
 Acq On : 18 Oct 2018 16:40
 Operator : JU/SJ
 Sample : J5164-01
 Misc : LOD 1 PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Oct 19 06:57:30 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	50520	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	238018	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	159050	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	396985	20.00	ng	0.00
76) Chrysene-d12	21.77	240	366889	20.00	ng	0.00
87) Perylene-d12	25.11	264	360442	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.65	112	415608	137.54	ng	0.00
7) Phenol-d6	7.24	99	604738	132.35	ng	0.00
23) Nitrobenzene-d5	9.28	82	352323	82.92	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	240185	138.46	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	876742	83.12	ng	0.00
79) Terphenyl-d14	20.09	244	1361551	79.30	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.54	88	2830	1.847	ng	# 76
3) Pyridine	3.96	79	3331	0.862	ng	# 66
4) n-Nitrosodimethylamine	3.84	42	57	0.041	ng	# 1
6) Aniline	7.43	93	2917	0.523	ng	# 86
8) 2-Chlorophenol	7.66	128	3453	0.977	ng	# 69
9) Benzaldehyde	7.25	77	3203	1.121	ng	# 71
10) Phenol	7.27	94	4904	1.017	ng	# 58
11) bis(2-Chloroethyl)ether	7.53	93	3422	0.935	ng	94
12) 1,3-Dichlorobenzene	8.14	146	3880	0.986	ng	93
13) 1,4-Dichlorobenzene	8.46	146	3992	0.992	ng	100
14) 1,2-Dichlorobenzene	8.46	146	3992	1.031	ng	98
15) Benzyl Alcohol	8.35	79	2745	0.813	ng	# 76
16) 2,2'-oxybis(1-Chloropropan	8.64	45	6688	1.021	ng	96
17) 2-Methylphenol	8.53	107	2958	0.928	ng	89
18) Hexachloroethane	9.19	117	1313	0.957	ng	95
19) n-Nitroso-di-n-propylamine	8.91	70	2705	0.860	ng	98
20) 3+4-Methylphenols	8.86	107	4007	0.879	ng	89
22) Acetophenone	8.94	105	5080	0.851	ng	# 90
24) Nitrobenzene	9.32	77	4023	0.911	ng	94
25) Isophorone	9.84	82	8455	1.089	ng	95
26) 2-Nitrophenol	10.04	139	1517	0.763	ng	# 87
27) 2,4-Dimethylphenol	10.08	122	3369	0.949	ng	89
28) bis(2-Chloroethoxy)methane	10.34	93	4622	0.909	ng	95
29) 2,4-Dichlorophenol	10.57	162	3447	0.872	ng	99
30) 1,2,4-Trichlorobenzene	10.78	180	3929	0.914	ng	# 95
31) Naphthalene	10.98	128	12126	1.037	ng	# 93
32) Benzoic acid	10.08	122	3369	1.461	ng	# 14
33) 4-Chloroaniline	11.09	127	3316	0.604	ng	# 91
34) Hexachlorobutadiene	11.24	225	2592	1.017	ng	# 77
35) Caprolactam	11.89	113	80	0.050	ng	# 46
36) 4-Chloro-3-methylphenol	12.19	107	4203	0.943	ng	# 83
37) 2-Methylnaphthalene	12.58	142	9588	1.125	ng	97
38) 1-Methylnaphthalene	12.80	142	9213	1.113	ng	# 96
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	5212	1.016	ng	96

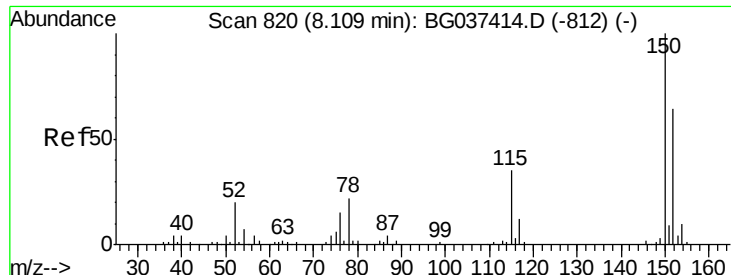
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037422.D
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	1765	0.720	ng	# 70
43) 2,4,6-Trichlorophenol	13.17	196	2465	0.719	ng	# 91
44) 2,4,5-Trichlorophenol	13.24	196	3175	0.851	ng	# 84
46) 1,1'-Biphenyl	13.58	154	13662	1.037	ng	91
47) 2-Chloronaphthalene	13.63	162	9469	0.950	ng	100
48) 2-Nitroaniline	13.83	65	2122	0.702	ng	# 84
49) Acenaphthylene	14.47	152	15768	1.052	ng	95
50) Dimethylphthalate	14.18	163	12136	0.986	ng	98
51) 2,6-Dinitrotoluene	14.31	165	2099	0.771	ng	95
52) Acenaphthene	14.80	154	9558	1.035	ng	92
53) 3-Nitroaniline	14.65	138	1652	0.547	ng	# 96
55) Dibenzofuran	15.14	168	16489	1.078	ng	98
56) 4-Nitrophenol	14.94	139	645	0.288	ng	# 38
57) 2,4-Dinitrotoluene	15.09	165	2510	0.702	ng	# 90
58) Fluorene	15.78	166	12729	1.111	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.35	232	2113	0.661	ng	# 89
60) Diethylphthalate	15.54	149	11717	0.928	ng	96
61) 4-Chlorophenyl-phenylether	15.77	204	6582	0.986	ng	99
62) 4-Nitroaniline	15.82	138	1690	0.563	ng	89
63) Azobenzene	16.07	77	11278	0.936	ng	96
65) 4,6-Dinitro-2-methylphenol	16.23	198	710	8.788	ng	80
66) n-Nitrosodiphenylamine	15.99	169	10829	0.907	ng	92
67) 4-Bromophenyl-phenylether	16.67	248	3835	0.880	ng	# 69
68) Hexachlorobenzene	16.78	284	4210	0.932	ng	# 92
69) Atrazine	16.93	200	3680	0.852	ng	97
70) Pentachlorophenol	17.12	266	317	0.105	ng	# 44
71) Phenanthrene	17.53	178	22788	1.129	ng	93
72) Anthracene	17.62	178	21046	1.063	ng	99
73) Carbazole	17.89	167	16691	0.843	ng	99
74) Di-n-butylphthalate	18.43	149	18692	0.848	ng	# 94
75) Fluoranthene	19.54	202	24058	1.051	ng	93
77) Benzidine	19.72	184	2006	0.161	ng	# 95
78) Pyrene	19.89	202	23767	0.991	ng	92
80) Butylbenzylphthalate	20.77	149	7472	0.761	ng	95
81) Benzo(a)anthracene	21.75	228	23635	1.089	ng	99
82) 3,3'-Dichlorobenzidine	21.66	252	4458	0.530	ng	# 95
83) Chrysene	21.82	228	21921	1.051	ng	91
84) Bis(2-ethylhexyl)phthalate	21.63	149	10186	0.740	ng	# 90
85) Di-n-octyl phthalate	22.89	149	15624	0.696	ng	# 94
86) Indeno(1,2,3-cd)pyrene	28.93	276	13670	0.611	ng	# 66
88) Benzo(b)fluoranthene	24.04	252	19776	1.001	ng	# 90
89) Benzo(k)fluoranthene	24.11	252	18705	0.966	ng	# 96
90) Benzo(a)pyrene	24.94	252	18145	0.966	ng	# 92
91) Dibenzo(a,h)anthracene	29.01	278	10453	0.603	ng	# 92
92) Benzo(g,h,i)perylene	30.12	276	7374	0.421	ng	# 83

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

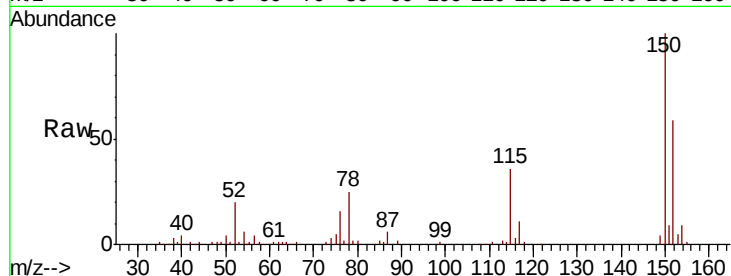


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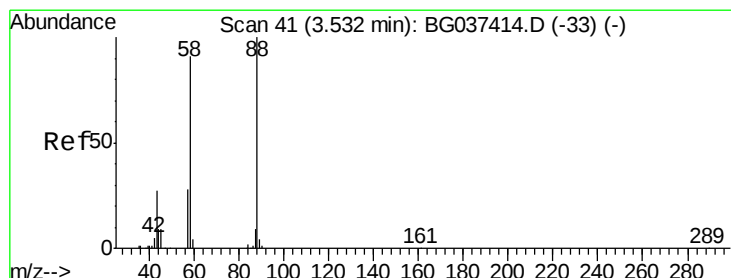
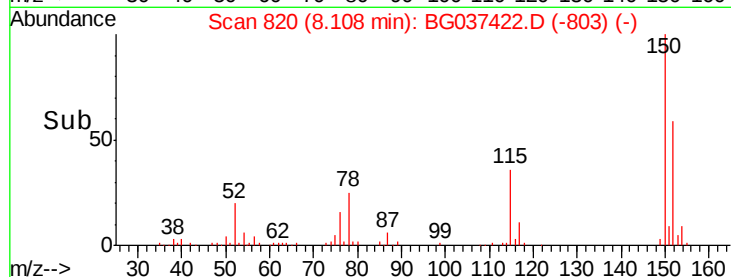
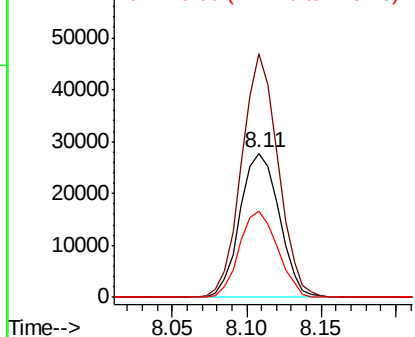
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion:152 Resp: 50520
Ion Ratio Lower Upper
152 100
150 169.2 126.0 189.0
115 60.1 45.5 68.3



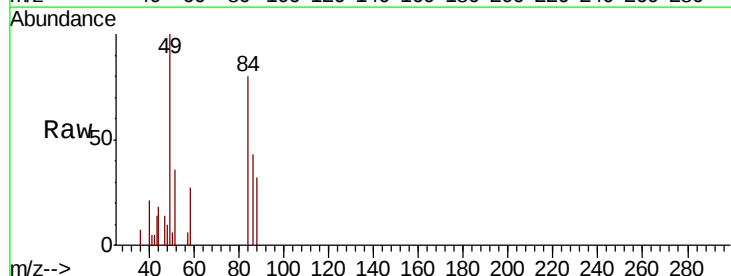
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



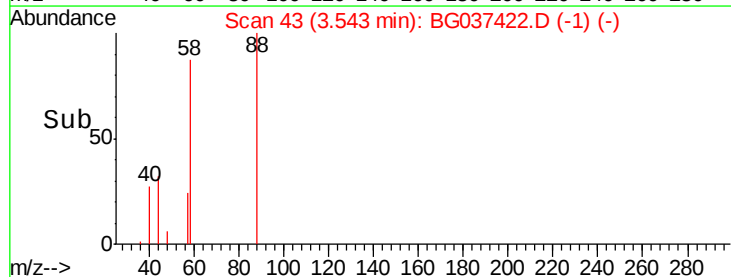
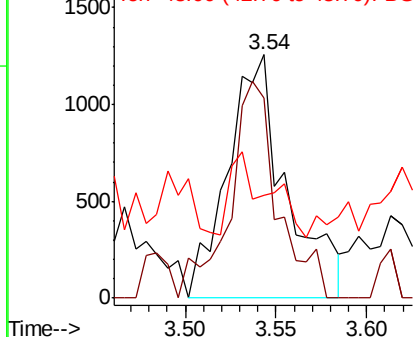
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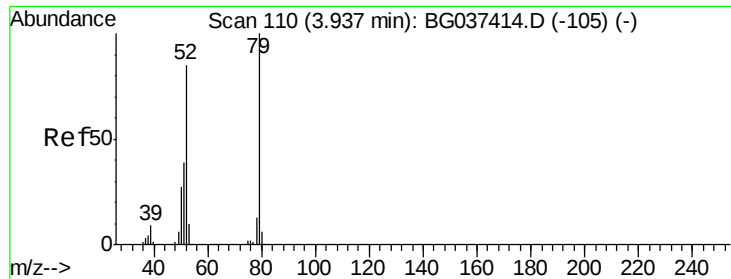
1,4-Dioxane
Concen: 1.847 ng
RT: 3.54 min Scan# 43
Delta R.T. 0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion: 88 Resp: 2830
Ion Ratio Lower Upper
88 100
58 73.2 74.4 111.6#
43 14.5 25.8 38.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 0.862 ng

RT: 3.96 min Scan# 114

Delta R.T. 0.02 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

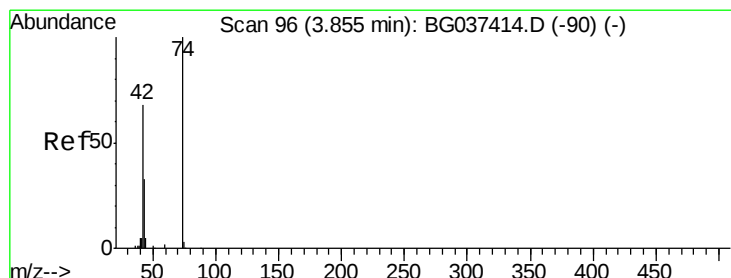
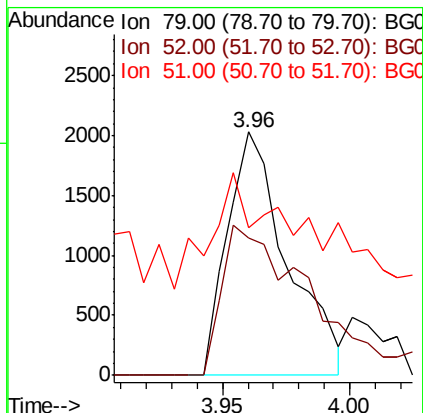
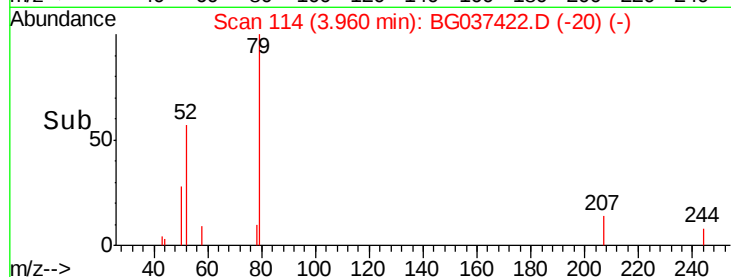
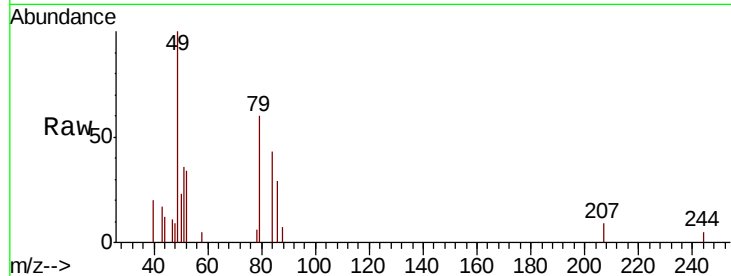
Tot Ion: 79 Resp: 3331

Ion Ratio Lower Upper

79 100

52 56.5 74.2 111.2#

51 60.6 34.6 51.8#



#4

n-Nitrosodimethylamine

Concen: 0.041 ng

RT: 3.84 min Scan# 94

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

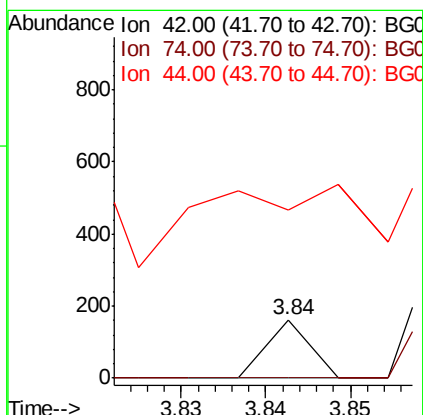
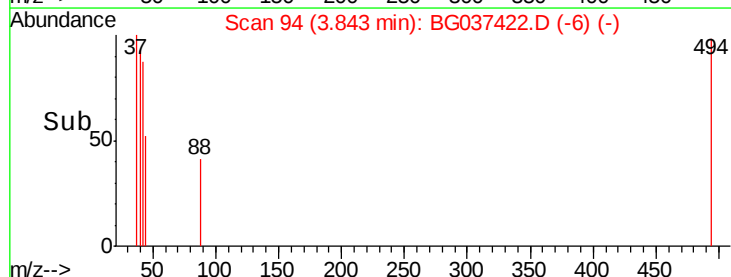
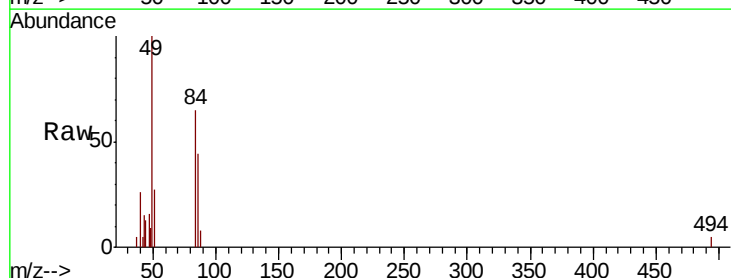
Tgt Ion: 42 Resp: 57

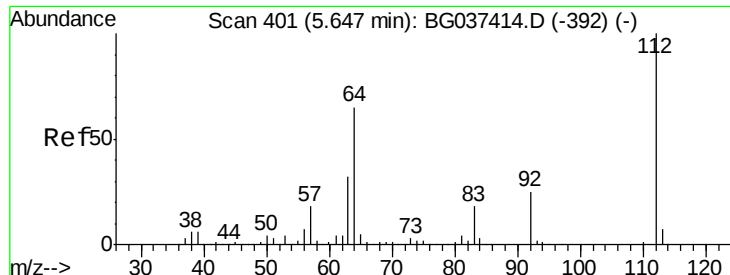
Ion Ratio Lower Upper

42 100

74 0.0 102.0 153.0#

44 285.9 9.6 14.4#





#5

2-Fluorophenol

Concen: 137.537 ng

RT: 5.65 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

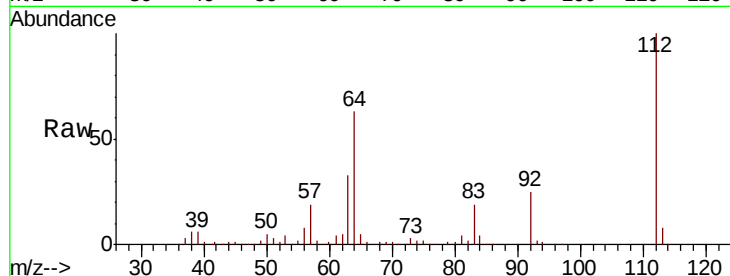
Tot Ion:112 Resp: 415608

Ion Ratio Lower Upper

112 100

64 63.5 53.1 79.7

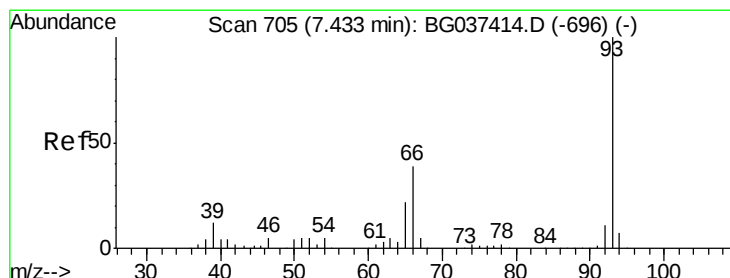
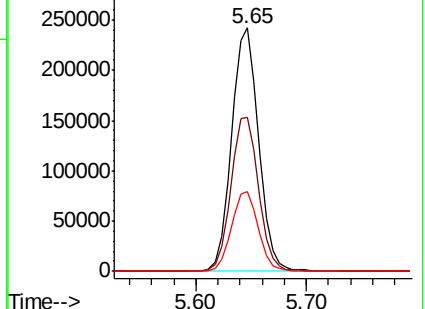
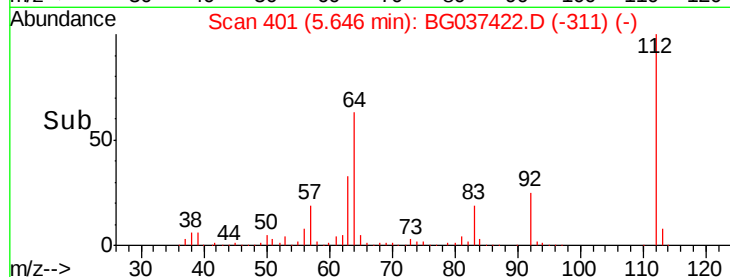
63 32.6 27.3 40.9



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: 0.523 ng

RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

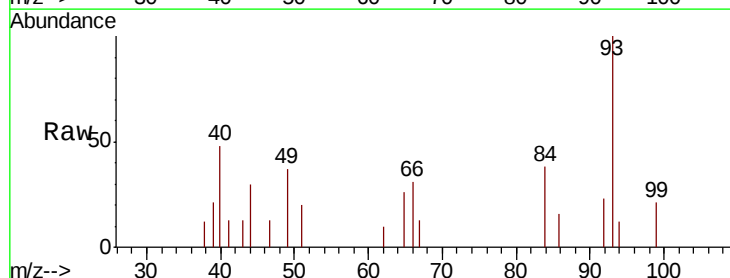
Tgt Ion: 93 Resp: 2917

Ion Ratio Lower Upper

93 100

66 30.9 32.8 49.2#

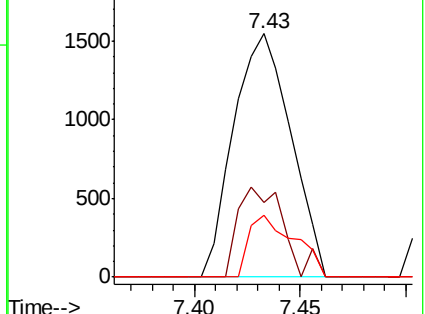
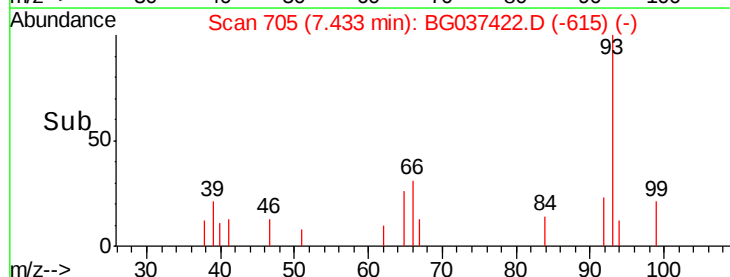
65 25.6 16.4 24.6#



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: 132.347 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

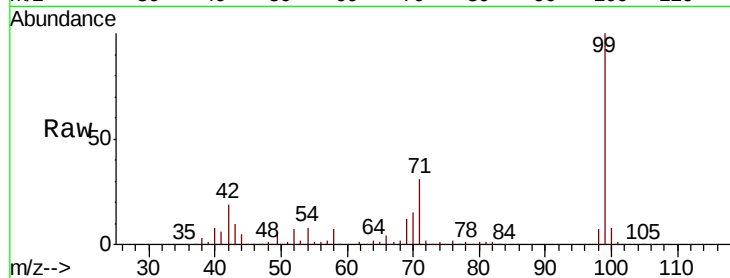
Tot Ion: 99 Resp: 604738

Ion Ratio Lower Upper

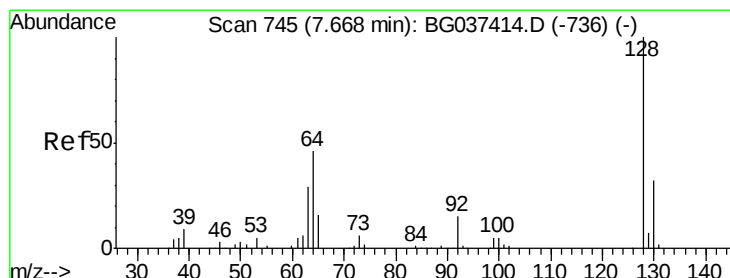
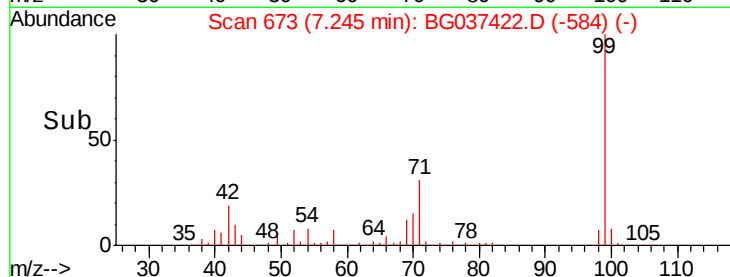
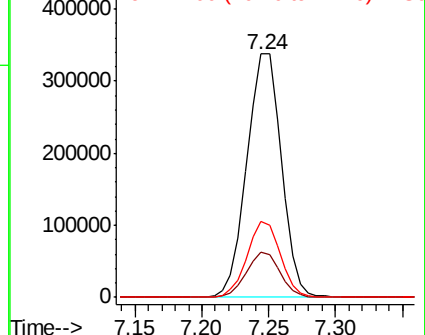
99 100

42 18.6 15.0 22.4

71 31.4 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: 0.977 ng

RT: 7.66 min Scan# 744

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

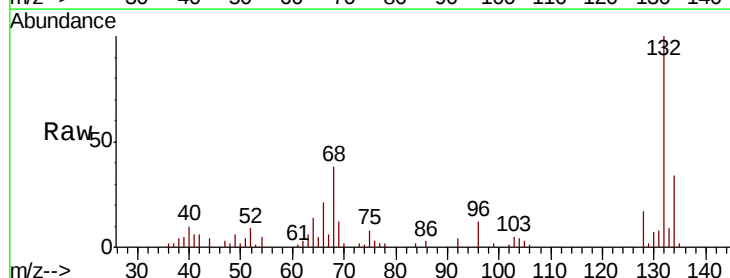
Tgt Ion: 128 Resp: 3453

Ion Ratio Lower Upper

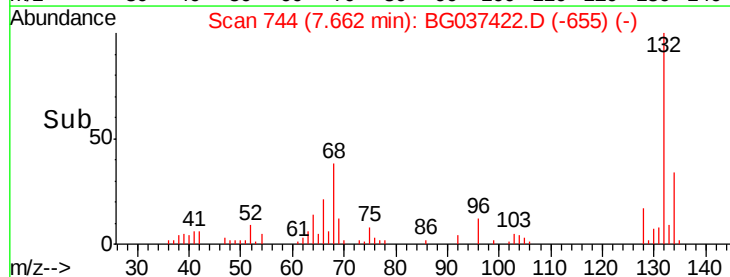
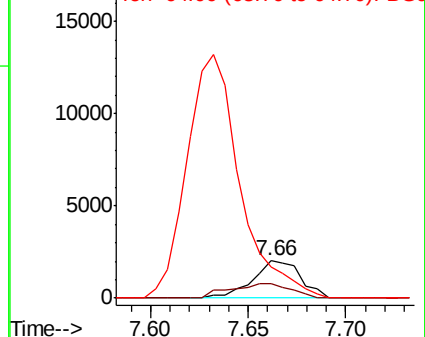
128 100

130 39.1 12.0 52.0

64 83.0 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

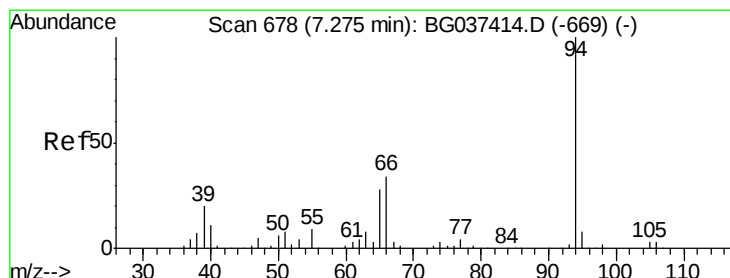
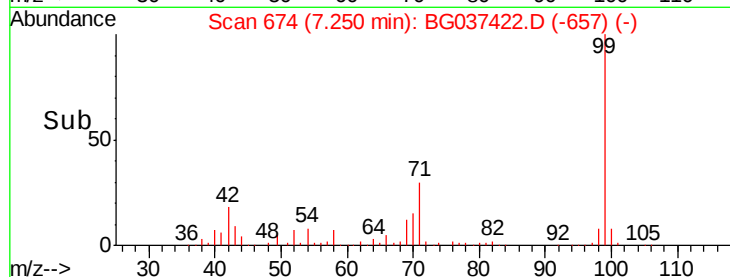
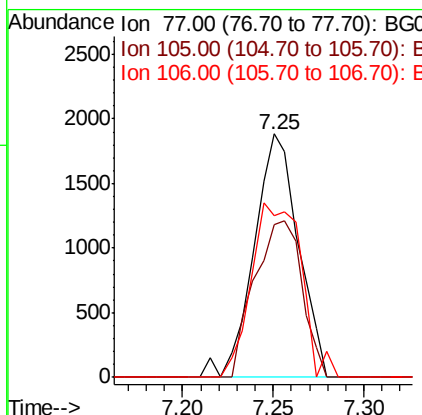
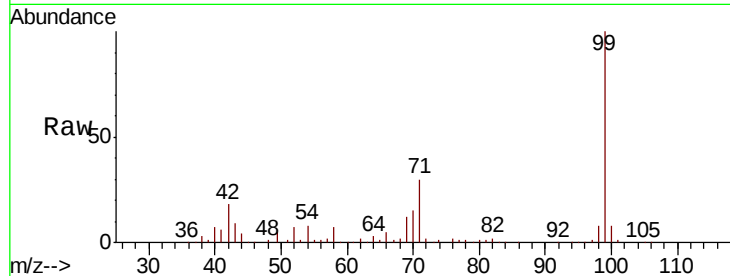




#9
Benzaldehydve
Concen: 1.121 ng
RT: 7.25 min Scan# 674
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

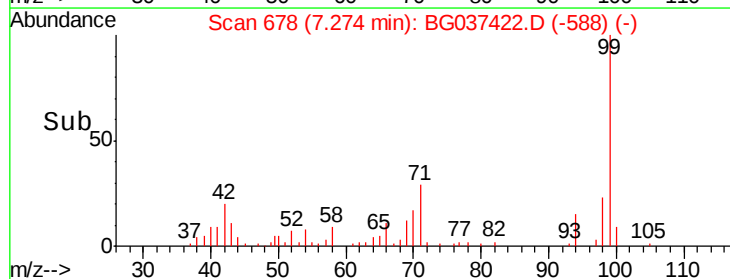
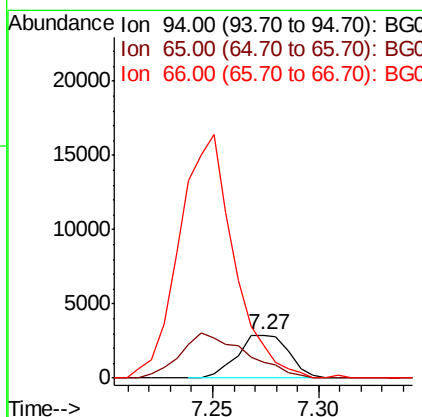
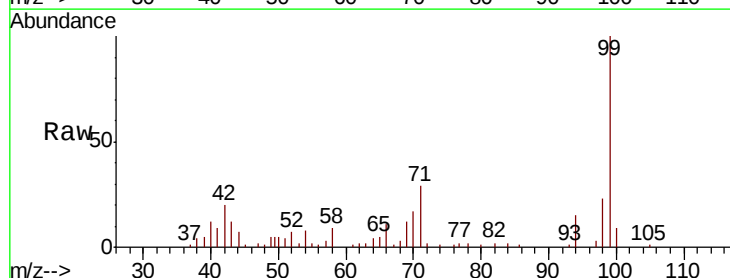
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion: 77 Resp: 3203
Ion Ratio Lower Upper
77 100
105 62.6 72.6 112.6#
106 66.2 71.3 111.3#



#10
Phenol
Concen: 1.017 ng
RT: 7.27 min Scan# 678
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion: 94 Resp: 4904
Ion Ratio Lower Upper
94 100
65 35.9 9.7 49.7
66 75.1 15.9 55.9#

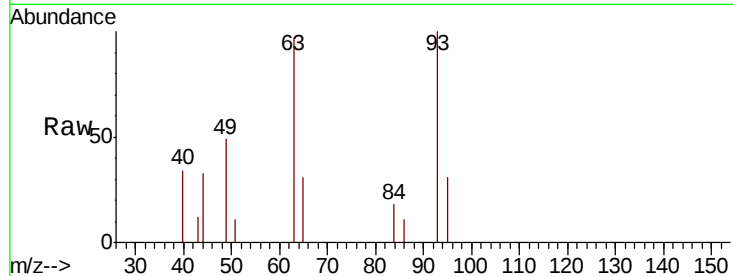




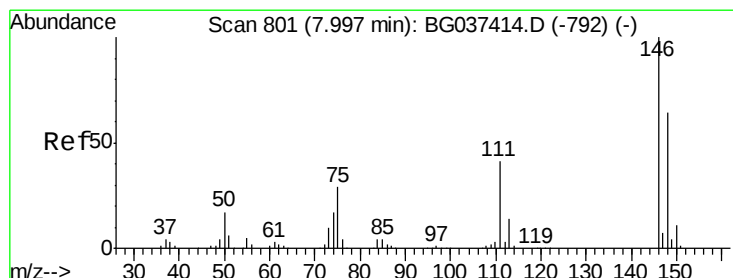
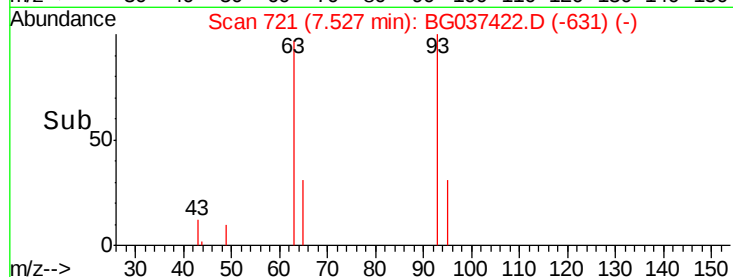
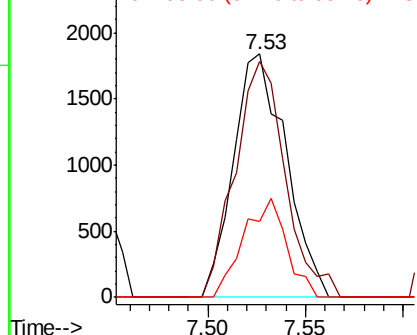
#11
bis(2-Chloroethyl)ether
Concen: 0.935 ng
RT: 7.53 min Scan# 721
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion: 93 Resp: 3422
Ion Ratio Lower Upper
93 100
63 96.8 69.5 109.5
95 31.3 12.6 52.6

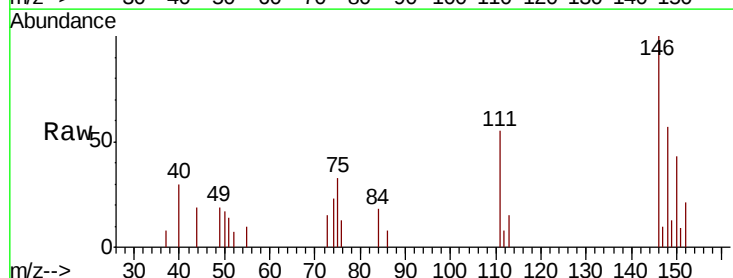


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

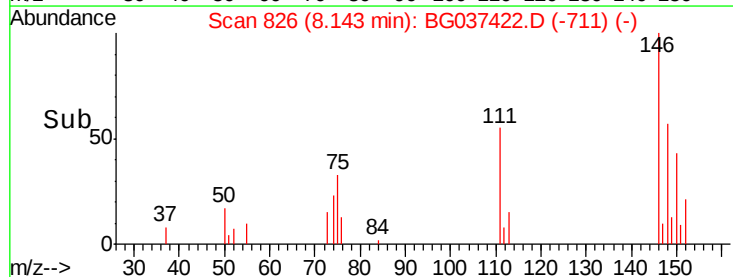
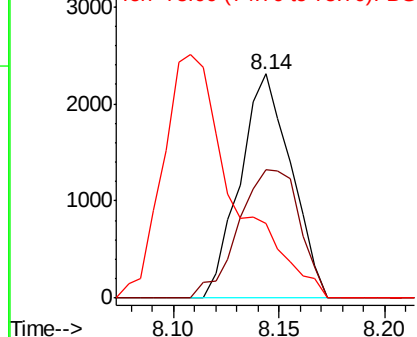


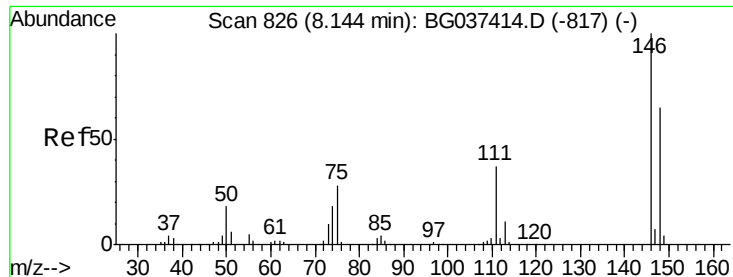
#12
1,3-Dichlorobenzene
Concen: 0.986 ng
RT: 8.14 min Scan# 826
Delta R.T. 0.15 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion: 146 Resp: 3880
Ion Ratio Lower Upper
146 100
148 57.2 49.8 74.8
75 33.4 23.2 34.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BGC

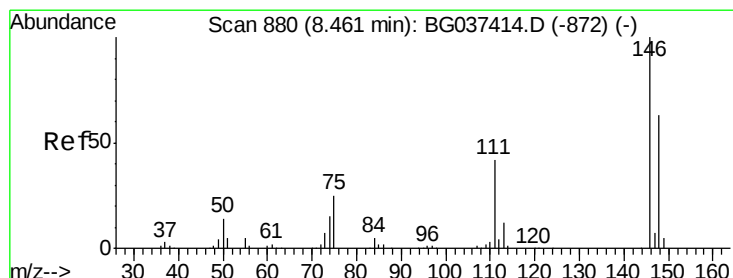
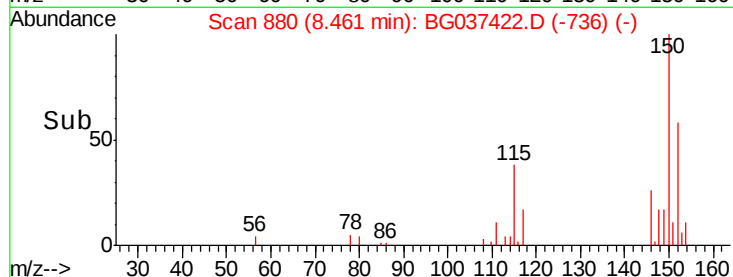
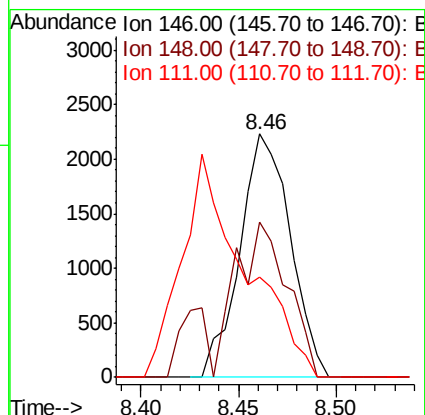
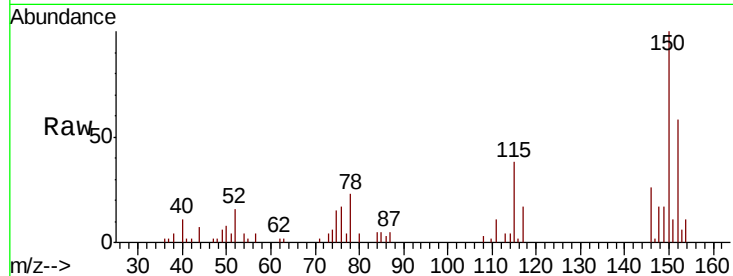




#13
 1,4-Dichlorobenzene
 Concen: 0.992 ng
 RT: 8.46 min Scan# 880
 Delta R.T. 0.32 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

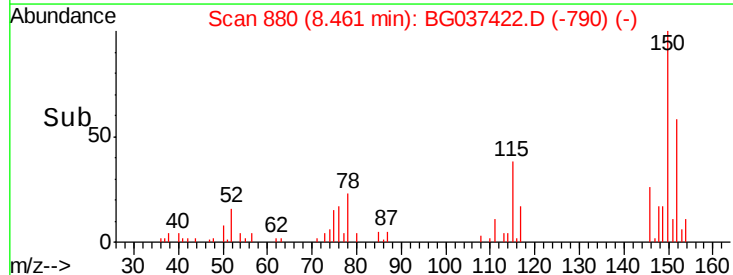
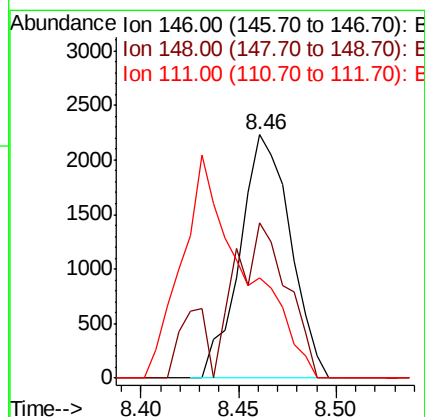
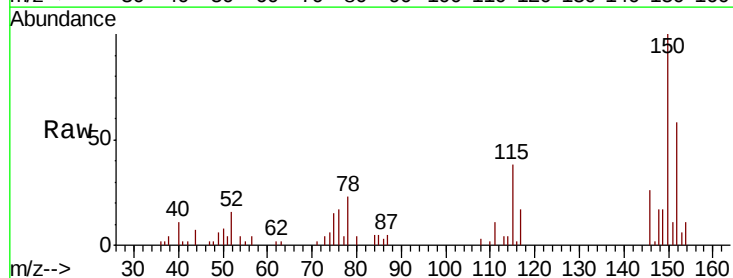
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tot Ion:146 Resp: 3992
 Ion Ratio Lower Upper
 146 100
 148 63.6 51.0 76.6
 111 41.0 32.4 48.6



#14
 1,2-Dichlorobenzene
 Concen: 1.031 ng
 RT: 8.46 min Scan# 880
 Delta R.T. -0.00 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

Tgt Ion:146 Resp: 3992
 Ion Ratio Lower Upper
 146 100
 148 63.6 50.4 75.6
 111 41.0 34.6 51.8





#15

Benzyl Alcohol

Concen: 0.813 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

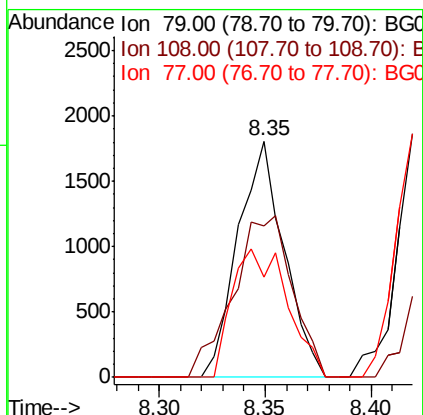
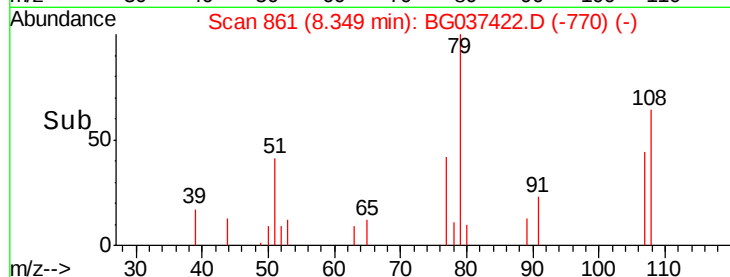
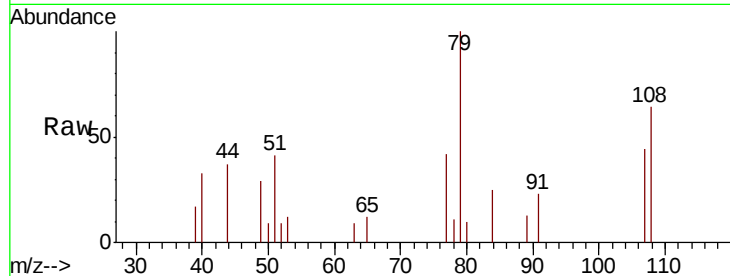
Tot Ion: 79 Resp: 2745

Ion Ratio Lower Upper

79 100

108 64.3 65.8 98.8#

77 42.5 52.9 79.3#



#16

2,2'-oxybis(1-chloropropane)

Concen: 1.021 ng

RT: 8.64 min Scan# 910

Delta R.T. 0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

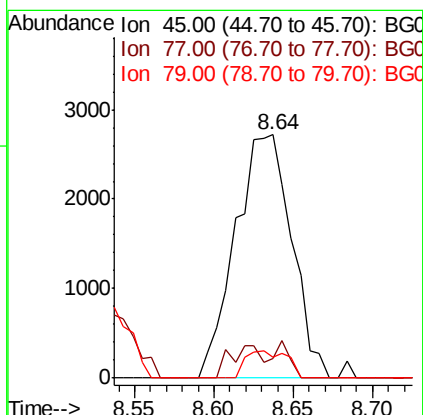
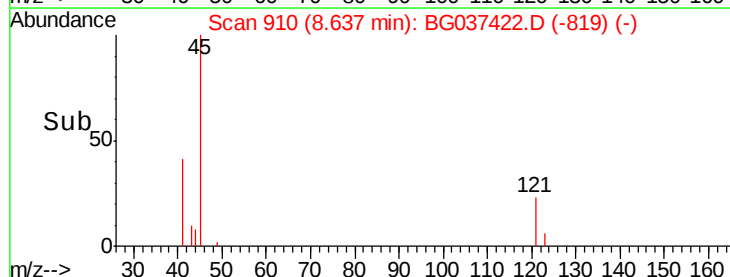
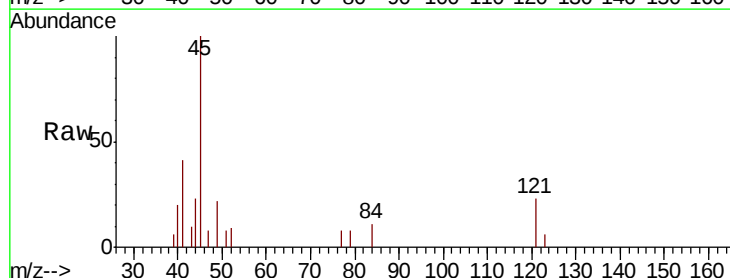
Tgt Ion: 45 Resp: 6688

Ion Ratio Lower Upper

45 100

77 8.0 0.0 30.0

79 8.4 0.0 29.0

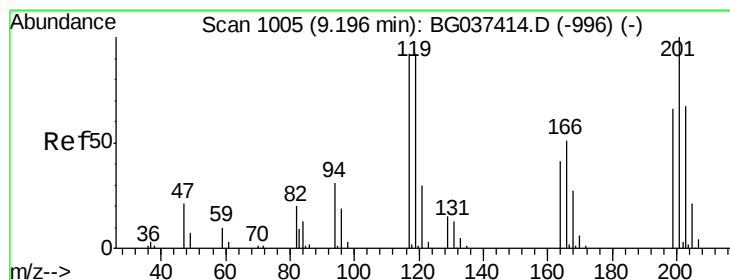
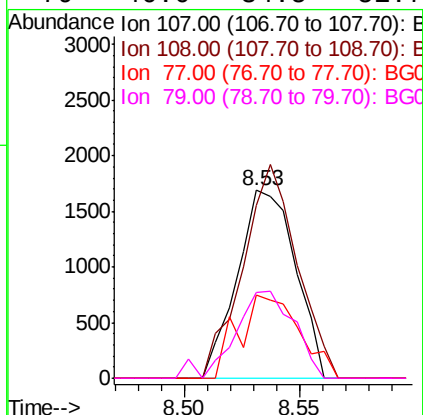
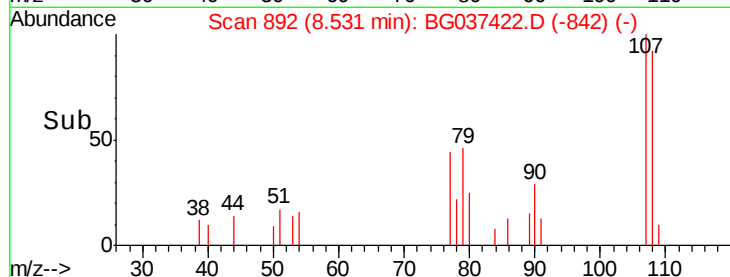
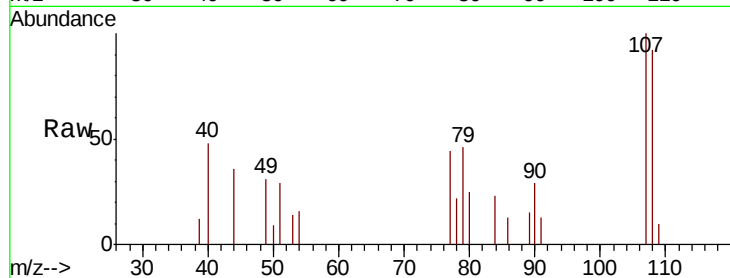




#17
2-Methylphenol
Concen: 0.928 ng
RT: 8.53 min Scan# 892
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

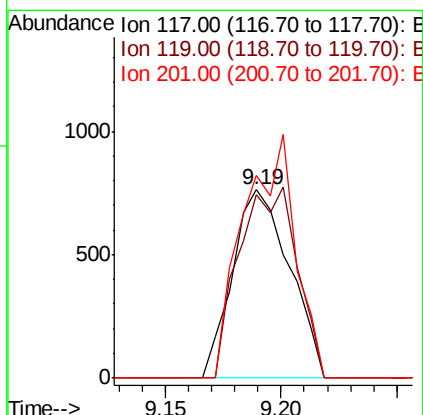
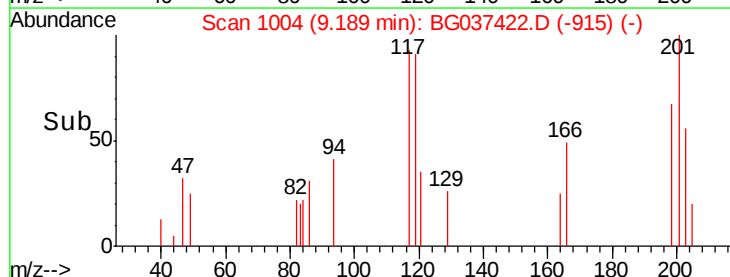
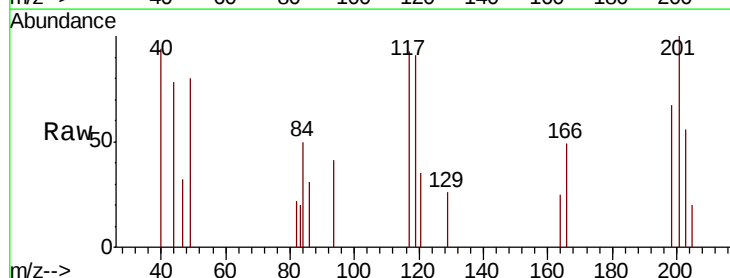
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

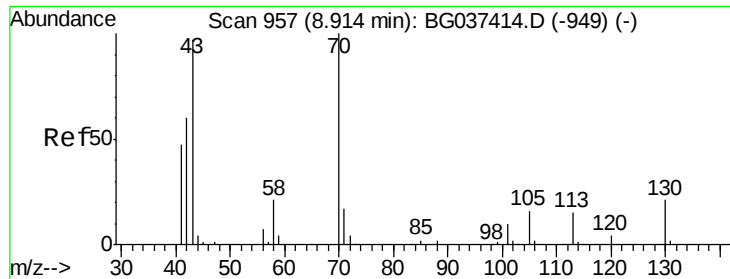
Tot Ion:	107	Resp:	2958
Ion	Ratio	Lower	Upper
107	100		
108	91.9	87.9	131.9
77	44.1	35.1	52.7
79	46.0	34.5	51.7



#18
Hexachloroethane
Concen: 0.957 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:	117	Resp:	1313
Ion	Ratio	Lower	Upper
117	100		
119	97.5	74.6	111.8
201	107.3	80.8	121.2





#19

n-Nitroso-di-n-propylamine

Concen: 0.860 ng

RT: 8.91 min Scan# 956

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion: 70 Resp: 2705

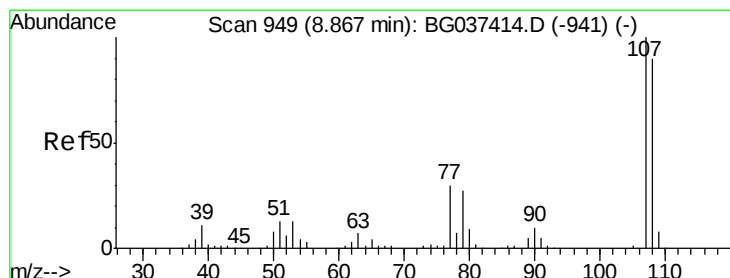
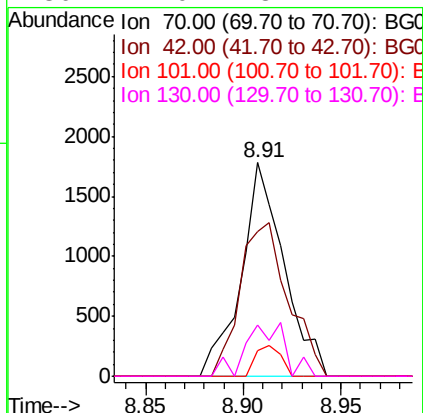
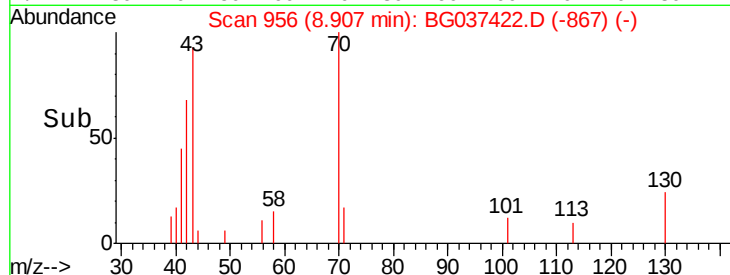
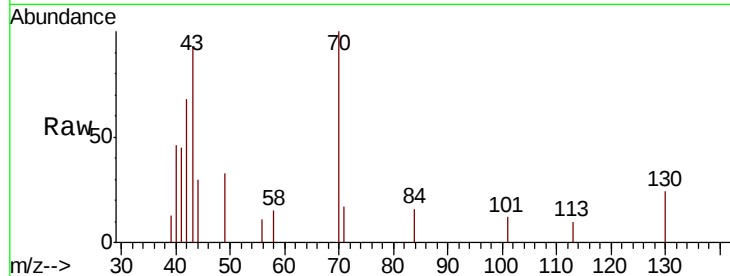
Ion Ratio Lower Upper

70 100

42 67.9 53.9 80.9

101 12.0 8.2 12.2

130 24.0 18.2 27.4



#20

3+4-Methylphenols

Concen: 0.879 ng

RT: 8.86 min Scan# 948

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Tgt Ion: 107 Resp: 4007

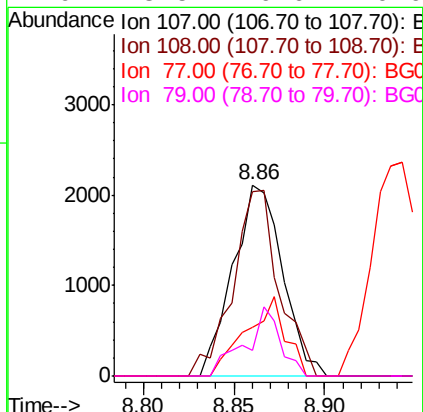
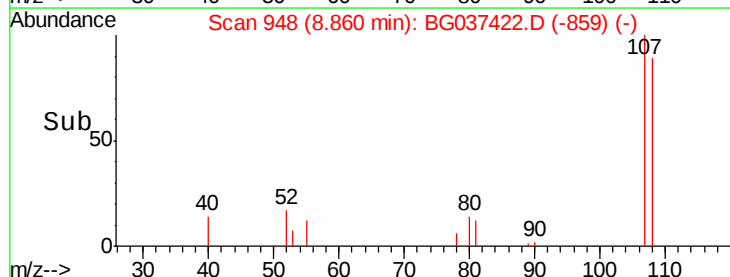
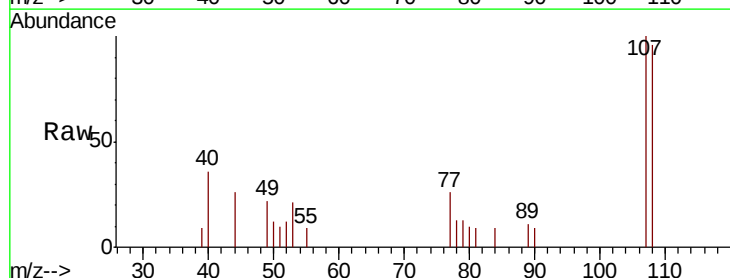
Ion Ratio Lower Upper

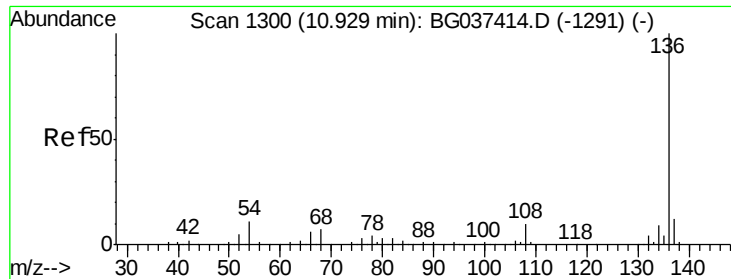
107 100

108 96.0 69.9 109.9

77 25.6 11.2 51.2

79 13.5 6.6 46.6

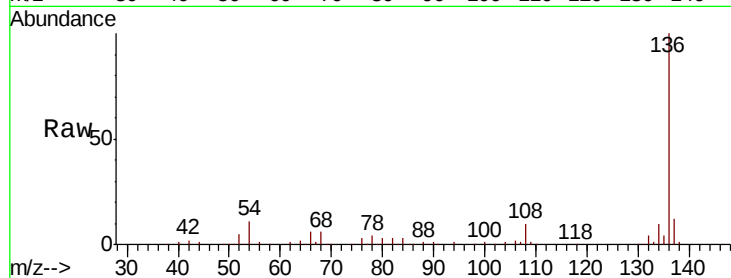




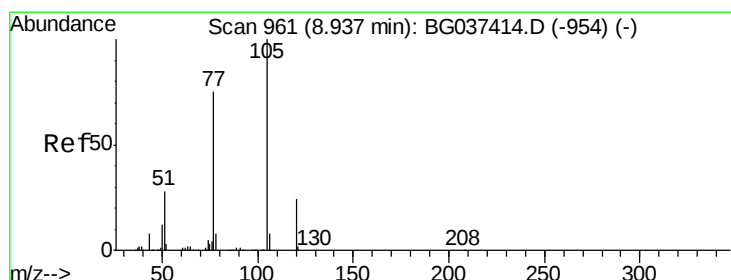
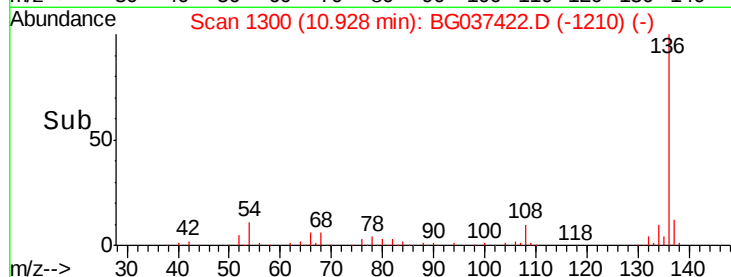
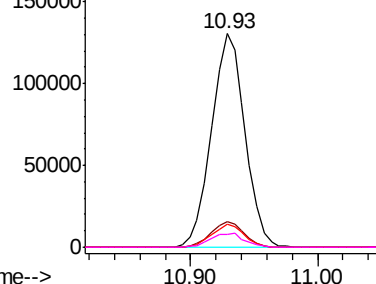
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion:136	Resp:	238018
Ion	Ratio	Lower Upper
136	100	
137	12.0	9.6 14.4
54	10.6	7.9 11.9
68	6.1	4.8 7.2

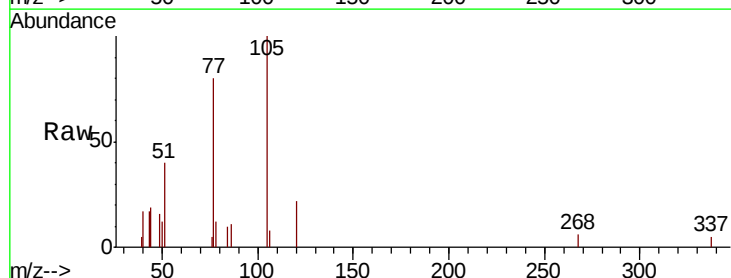


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

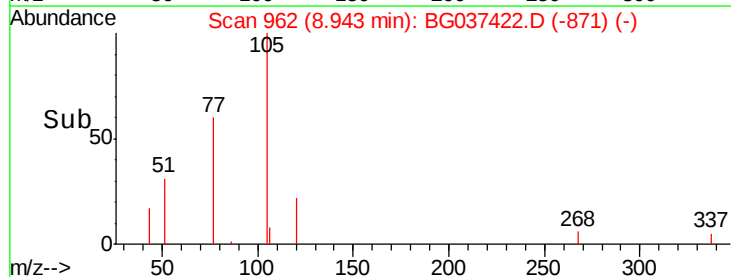
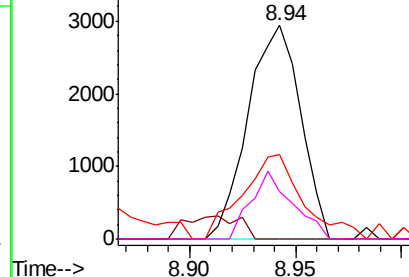


#22
Acetophenone
Concen: 0.851 ng
RT: 8.94 min Scan# 962
Delta R.T. 0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:105	Resp:	5080
Ion	Ratio	Lower Upper
105	100	
71	0.0	1.2 1.8#
51	39.7	25.0 37.6#
120	22.2	18.6 28.0



Abundance Ion 105.00 (104.70 to 105.70): E
4000
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

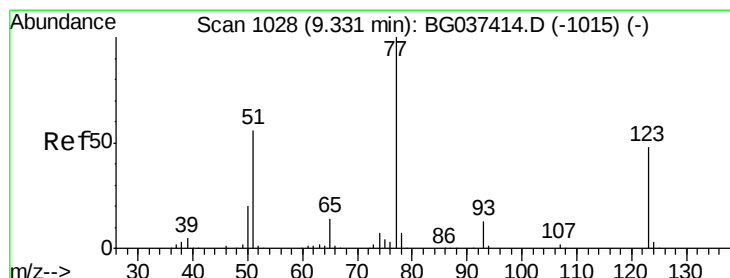
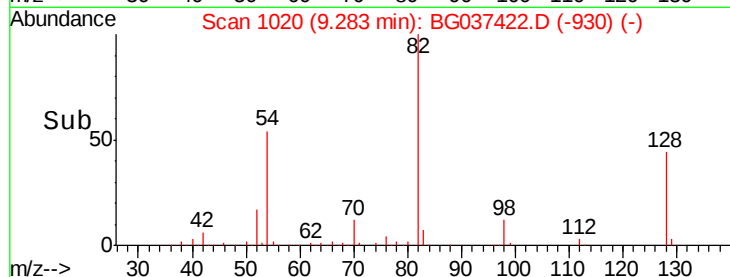
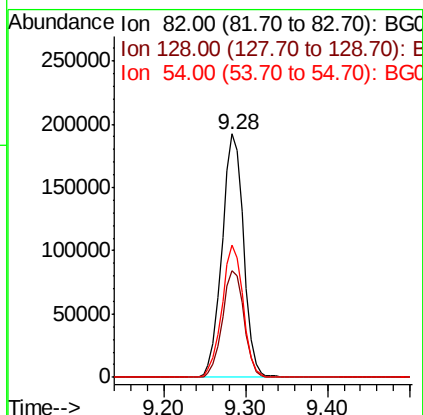
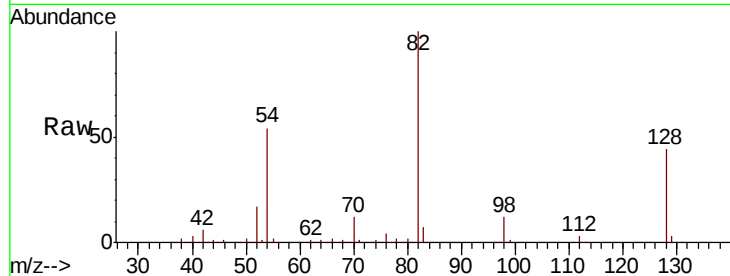




#23
Nitrobenzene-d5
Concen: 82.921 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

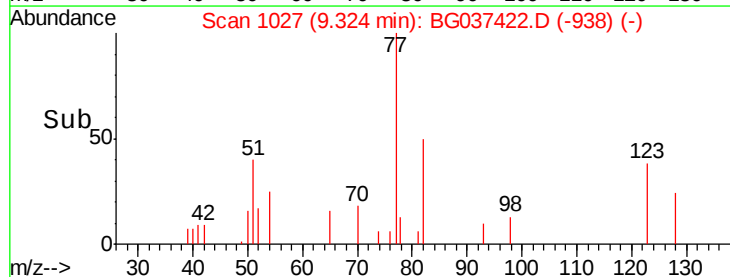
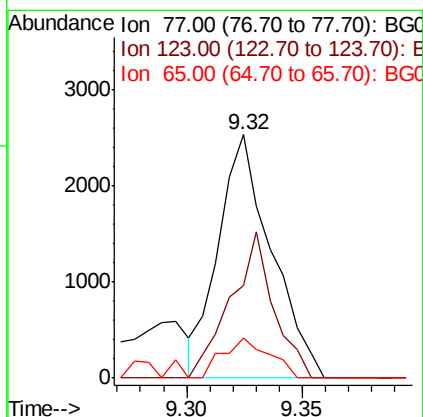
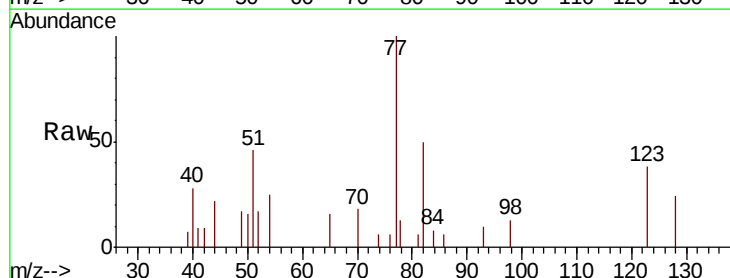
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion: 82 Resp: 352323
Ion Ratio Lower Upper
82 100
128 43.8 34.6 51.8
54 54.4 45.3 67.9



#24
Nitrobenzene
Concen: 0.911 ng
RT: 9.32 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion: 77 Resp: 4023
Ion Ratio Lower Upper
77 100
123 38.2 33.6 50.4
65 16.4 11.3 16.9





#25

Isophorone

Concen: 1.089 ng

RT: 9.84 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

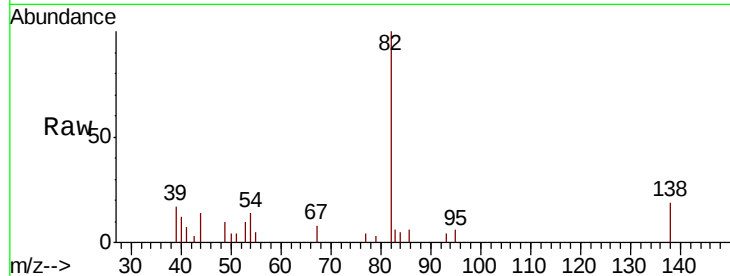
Tot Ion: 82 Resp: 8455

Ion Ratio Lower Upper

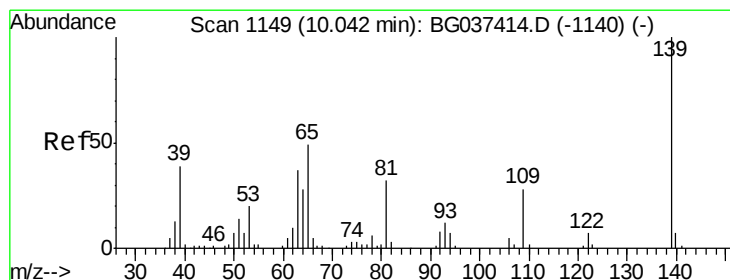
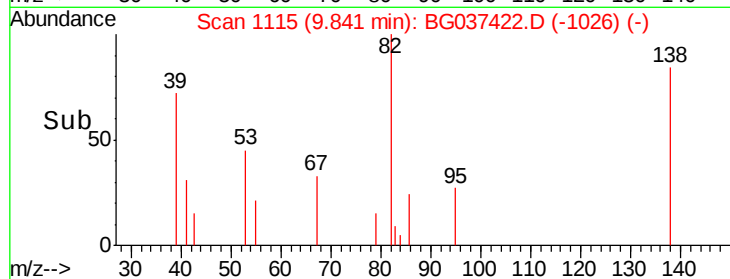
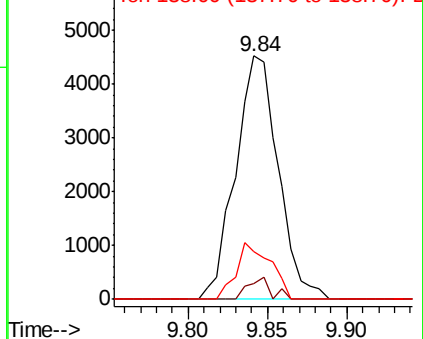
82 100

95 6.3 5.3 7.9

138 19.4 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: 0.763 ng

RT: 10.04 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

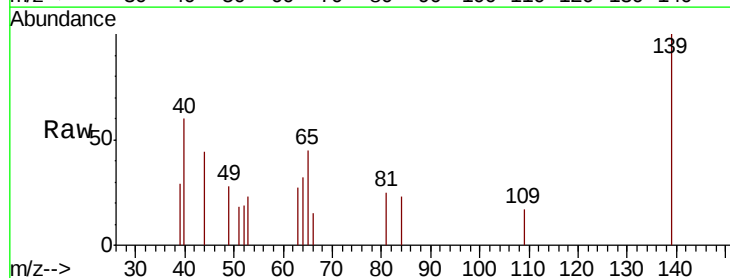
Tgt Ion: 139 Resp: 1517

Ion Ratio Lower Upper

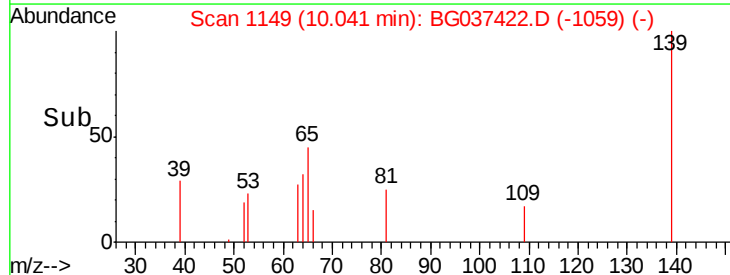
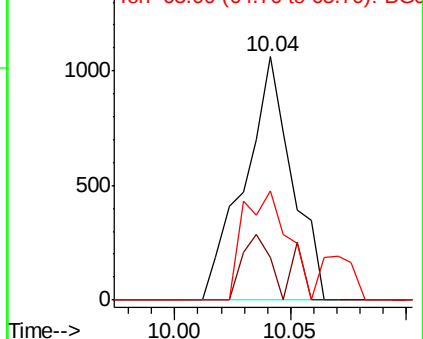
139 100

109 17.4 23.3 34.9#

65 44.6 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

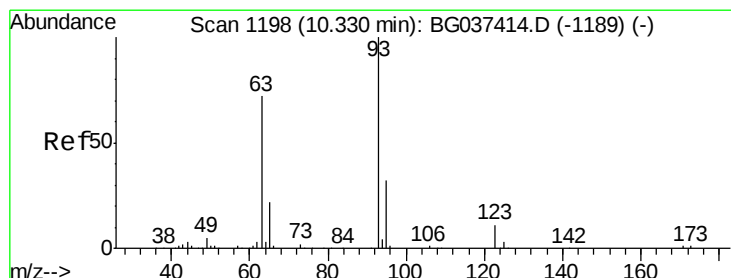
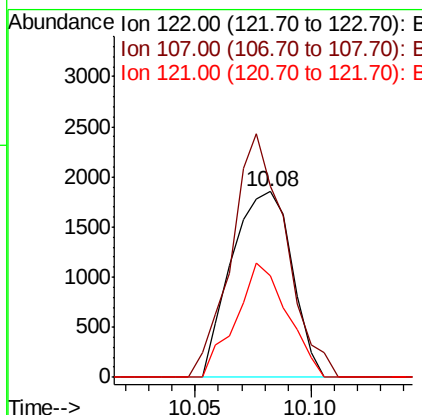
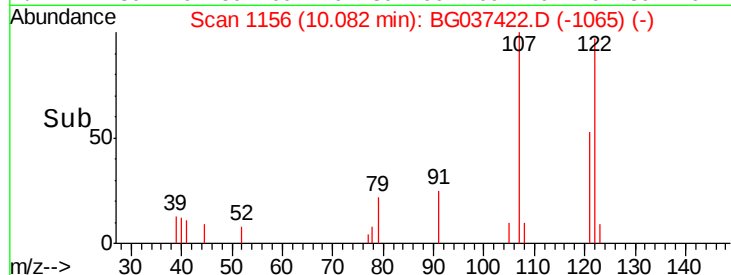
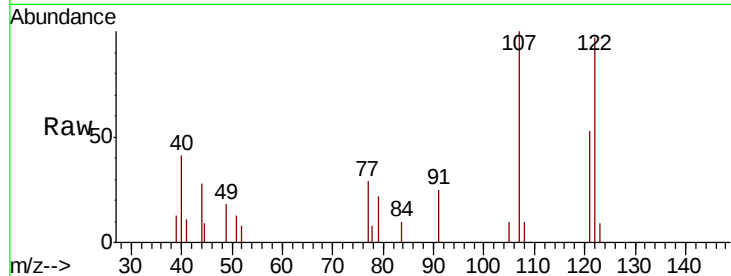




#27
 2,4-Dimethylphenol
 Concen: 0.949 ng
 RT: 10.08 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

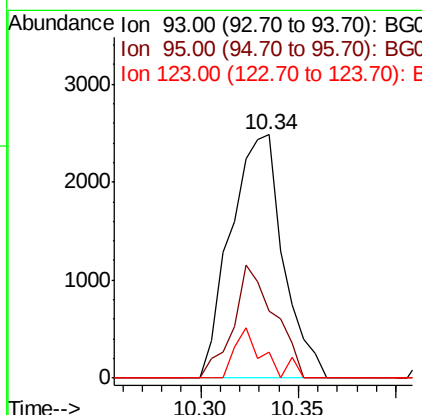
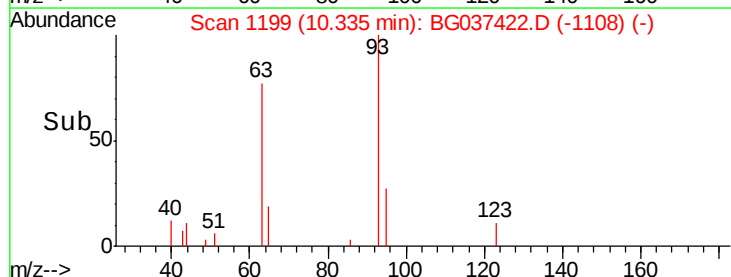
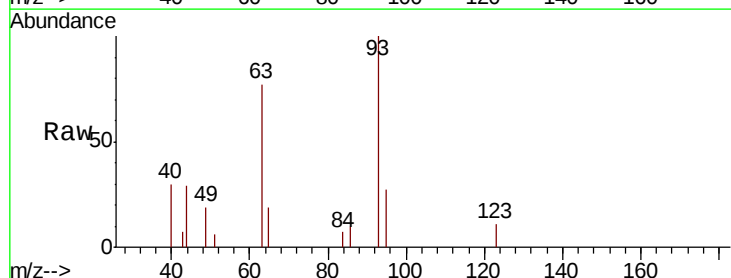
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

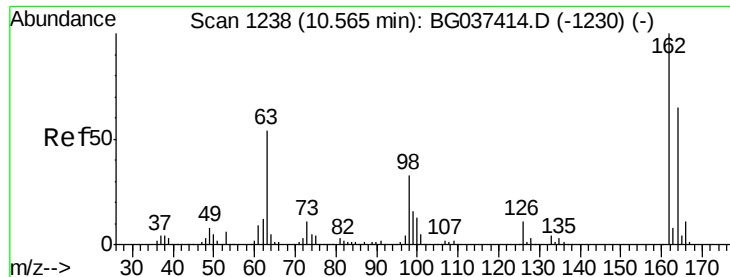
Tot Ion: 122 Resp: 3369
 Ion Ratio Lower Upper
 122 100
 107 103.2 94.2 141.2
 121 54.5 47.3 70.9



#28
 bis(2-Chloroethoxy)methane
 Concen: 0.909 ng
 RT: 10.34 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

Tgt Ion: 93 Resp: 4622
 Ion Ratio Lower Upper
 93 100
 95 27.5 24.6 37.0
 123 10.7 9.1 13.7

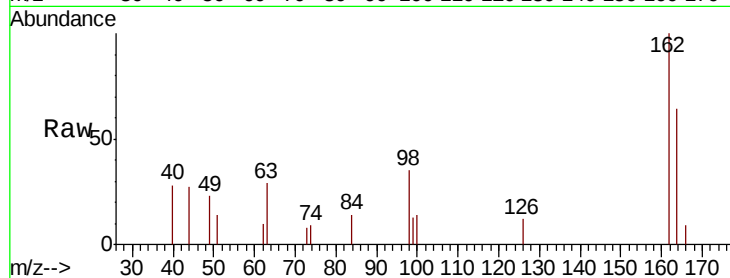




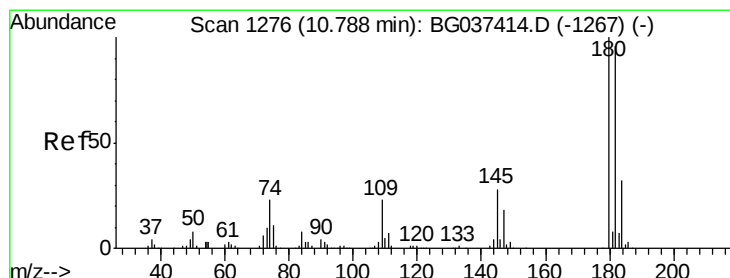
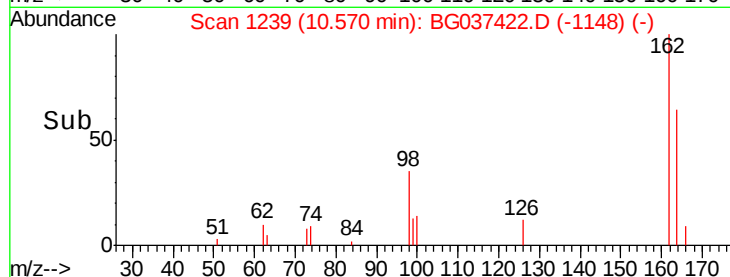
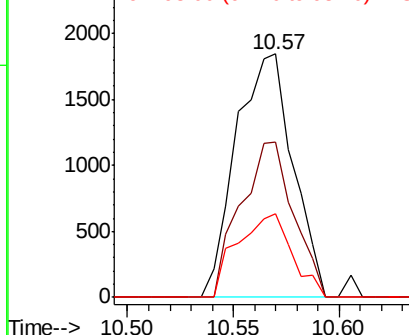
#29
 2,4-Dichlorophenol
 Concen: 0.872 ng
 RT: 10.57 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

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

Tot Ion:162 Resp: 3447
 Ion Ratio Lower Upper
 162 100
 164 63.8 43.2 83.2
 98 34.5 16.0 56.0

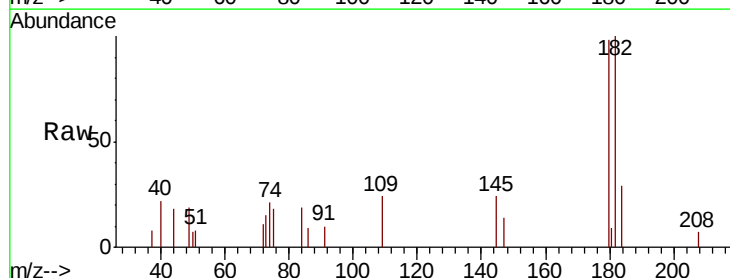


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BGC

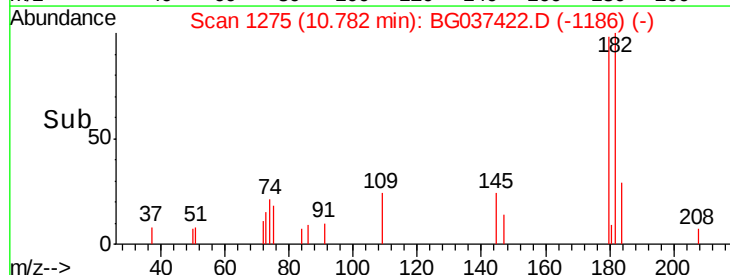
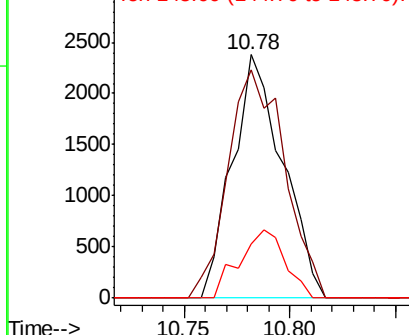


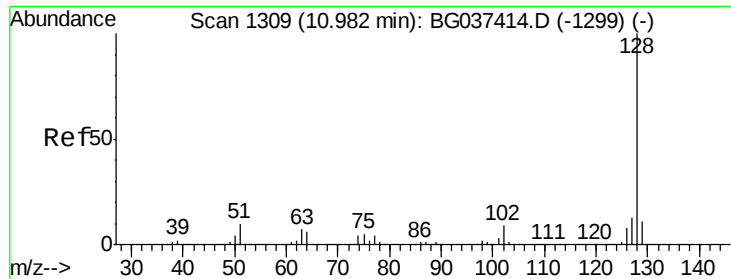
#30
 1,2,4-Trichlorobenzene
 Concen: 0.914 ng
 RT: 10.78 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

Tgt Ion:180 Resp: 3929
 Ion Ratio Lower Upper
 180 100
 182 93.8 77.7 116.5
 145 22.4 23.3 34.9#



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

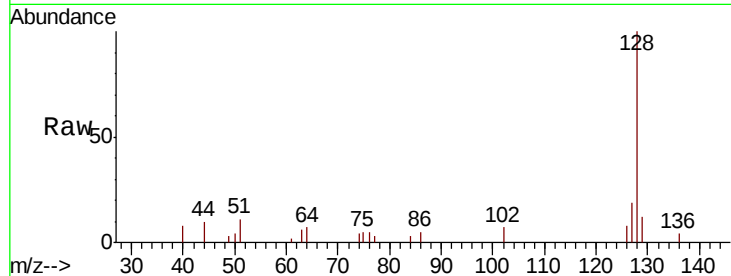




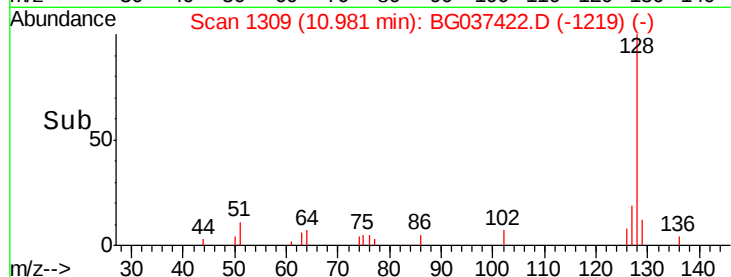
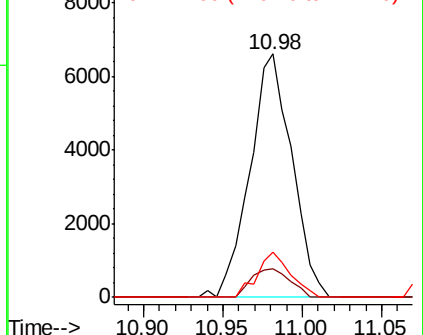
#31
Naphthalene
Concen: 1.037 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion:128 Resp: 12126
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.6
127 18.6 11.1 16.7#

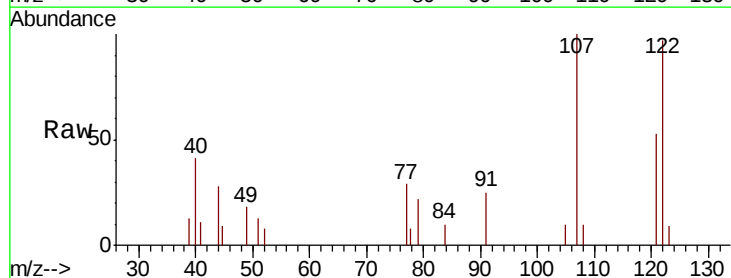


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

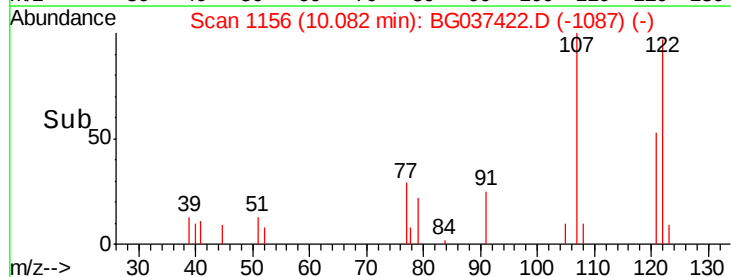
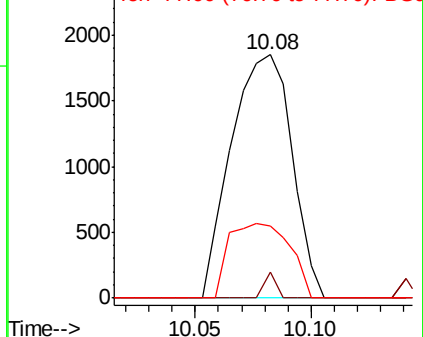


#32
Benzoic acid
Concen: 1.461 ng
RT: 10.08 min Scan# 1156
Delta R.T. -0.12 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:122 Resp: 3369
Ion Ratio Lower Upper
122 100
105 10.4 106.7 146.7#
77 29.8 72.2 112.2#



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

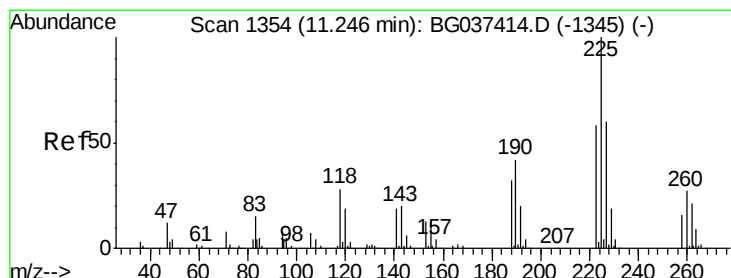
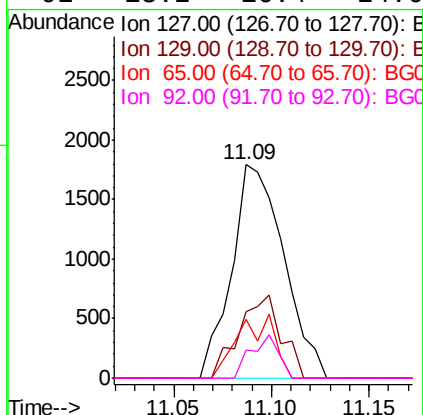
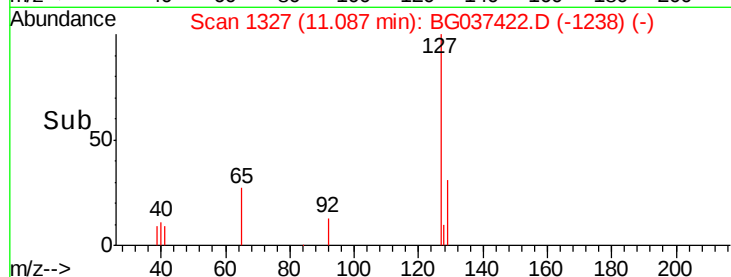
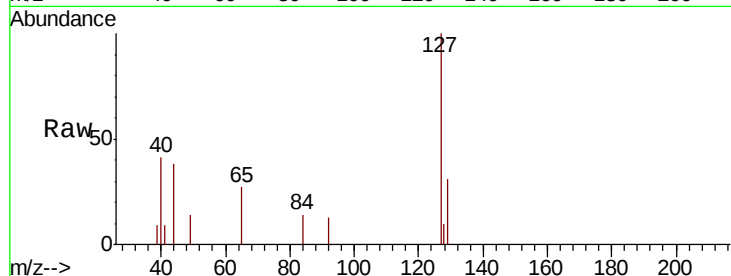




#33
4-Chloroaniline
Concen: 0.604 ng
RT: 11.09 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

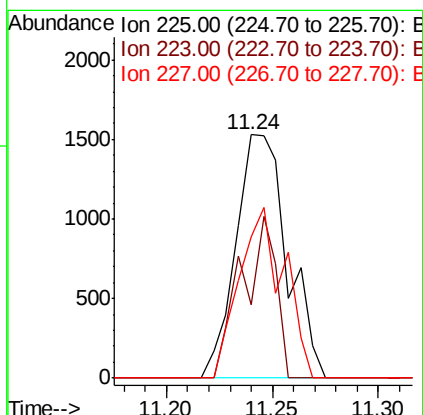
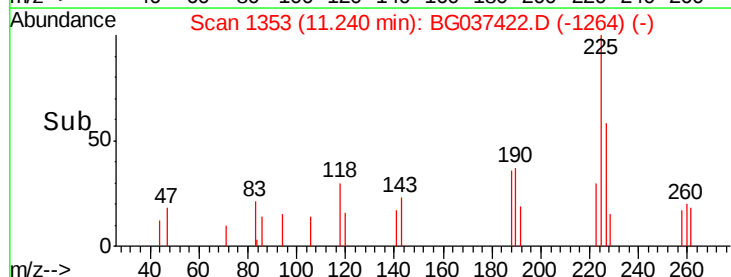
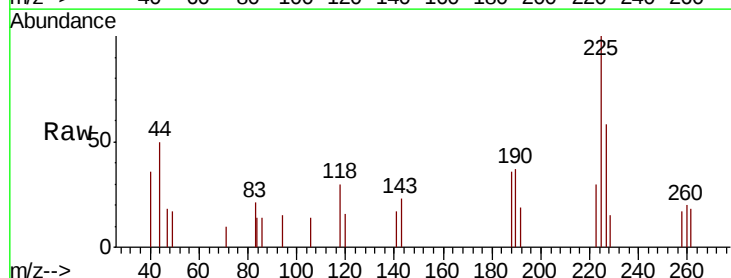
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:127 Resp: 3316
Ion Ratio Lower Upper
127 100
129 31.2 27.1 40.7
65 27.5 26.6 39.8
92 13.2 16.4 24.6#



#34
Hexachlorobutadiene
Concen: 1.017 ng
RT: 11.24 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:225 Resp: 2592
Ion Ratio Lower Upper
225 100
223 30.3 48.2 72.4#
227 57.9 51.6 77.4

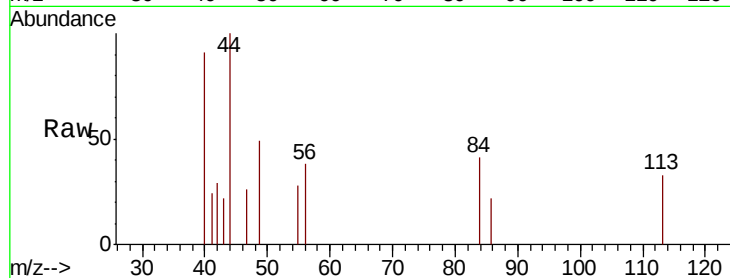




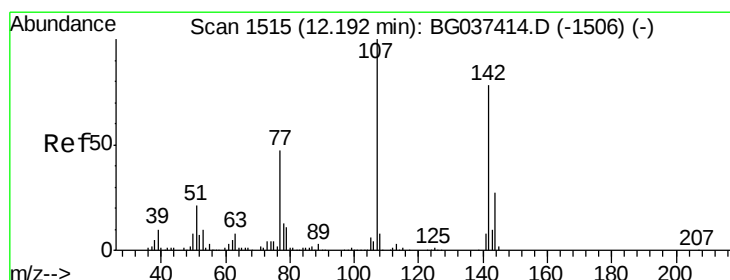
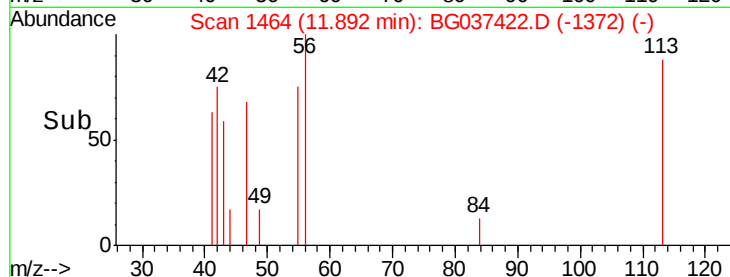
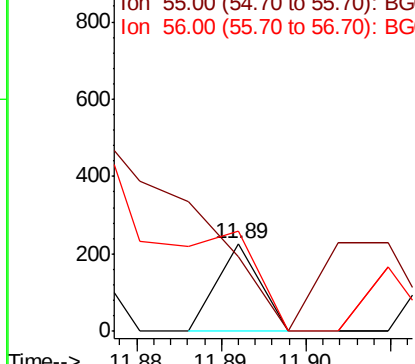
#35
Caprolactam
Concen: 0.050 ng
RT: 11.89 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion:113 Resp: 80
Ion Ratio Lower Upper
113 100
55 85.5 176.6 216.6#
56 114.1 128.3 168.3#

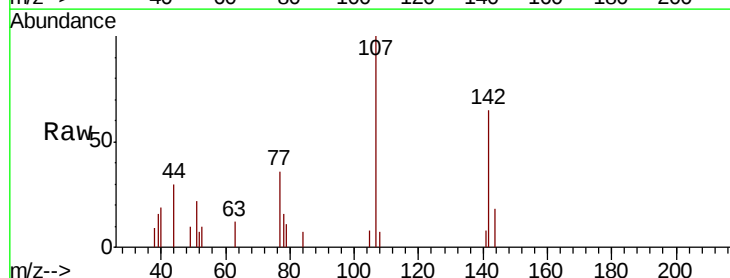


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BG
Ion 56.00 (55.70 to 56.70): BG

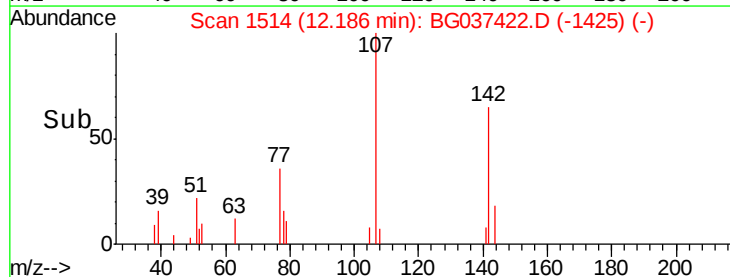
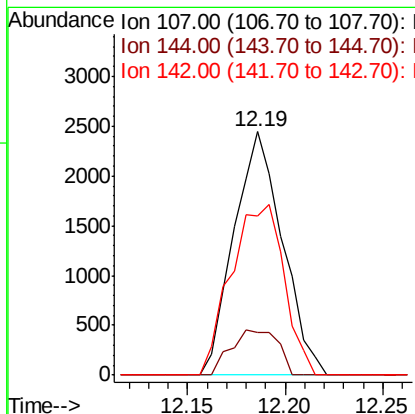


#36
4-Chloro-3-methylphenol
Concen: 0.943 ng
RT: 12.19 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:107 Resp: 4203
Ion Ratio Lower Upper
107 100
144 17.7 20.7 31.1#
142 65.2 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

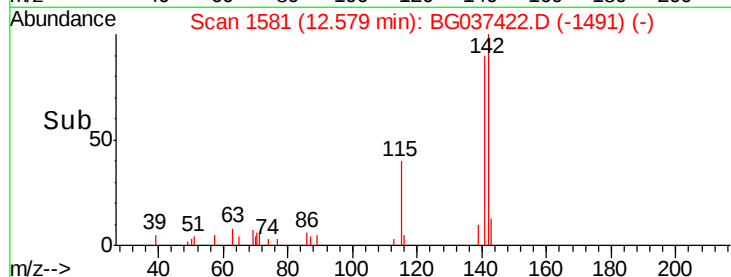
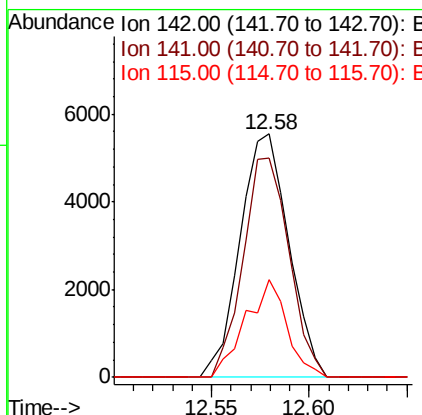
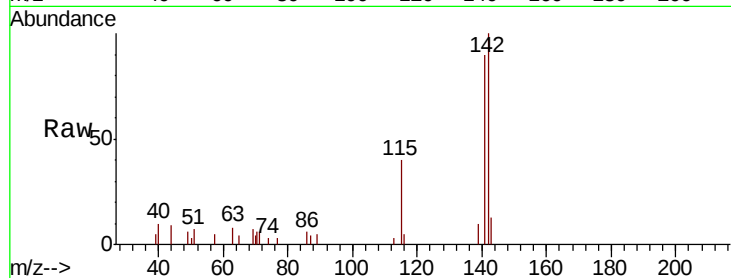




#37
2-Methylnaphthalene
Concen: 1.125 ng
RT: 12.58 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

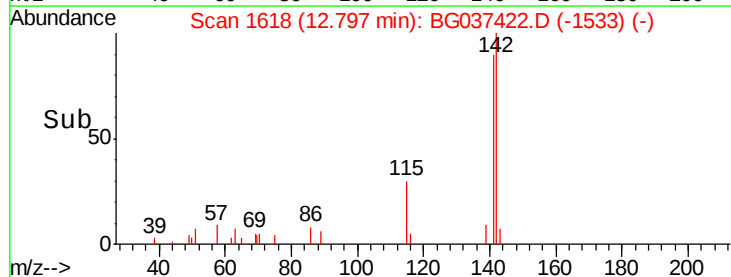
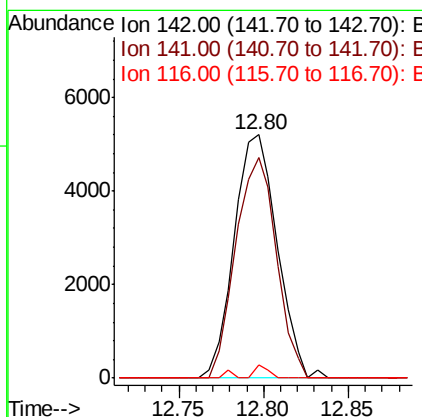
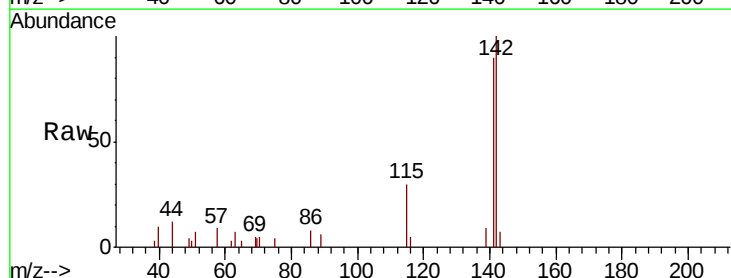
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:142 Resp: 9588
Ion Ratio Lower Upper
142 100
141 90.2 71.9 107.9
115 40.1 27.8 41.8



#38
1-Methylnaphthalene
Concen: 1.113 ng
RT: 12.80 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:142 Resp: 9213
Ion Ratio Lower Upper
142 100
141 90.4 75.2 112.8
116 5.5 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: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

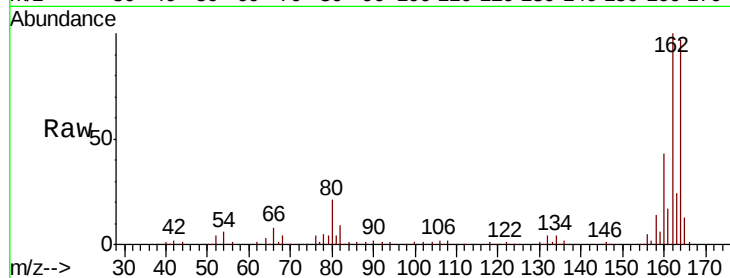
Tot Ion:164 Resp: 159050

Ion Ratio Lower Upper

164 100

162 103.4 81.3 121.9

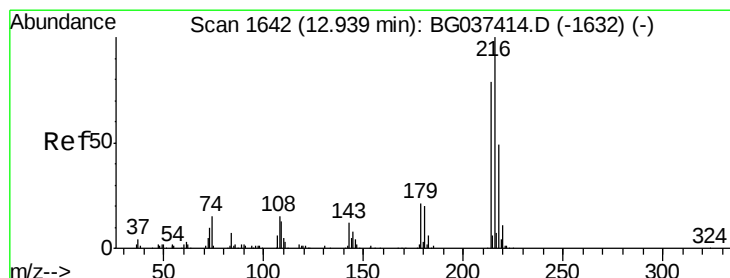
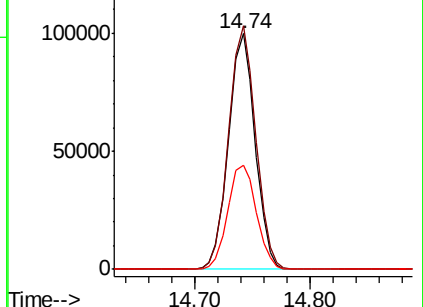
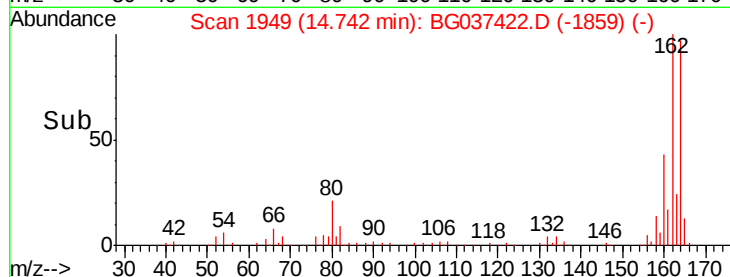
160 44.1 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 1.016 ng

RT: 12.94 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Tgt Ion:216 Resp: 5212

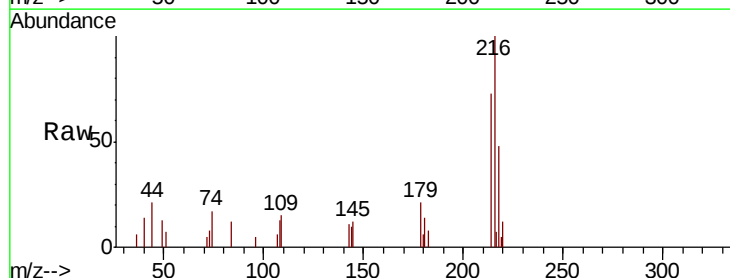
Ion Ratio Lower Upper

216 100

214 77.0 63.8 95.6

179 19.8 17.4 26.0

108 14.9 13.9 20.9

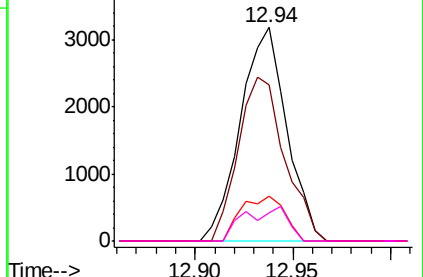
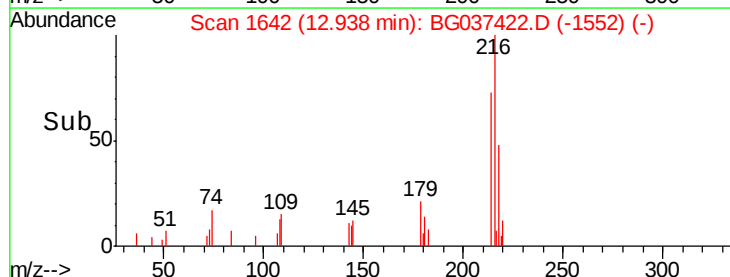


Abundance Ion 216.00 (215.70 to 216.70): E

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: 0.720 ng

RT: 12.91 min Scan# 1637

Delta R.T. 0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

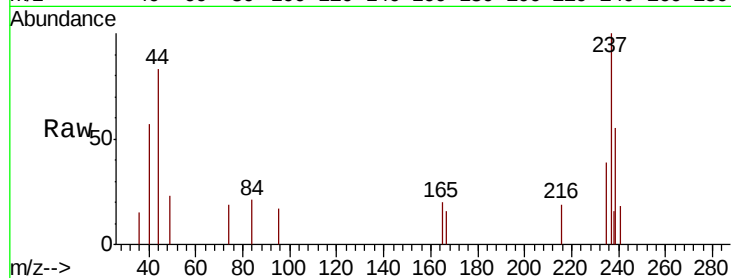
Tot Ion:237 Resp: 1765

Ion Ratio Lower Upper

237 100

235 38.9 42.5 82.5#

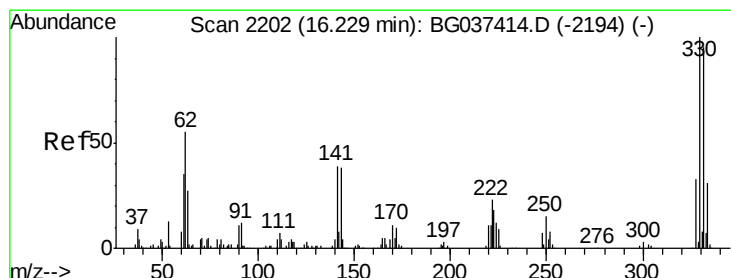
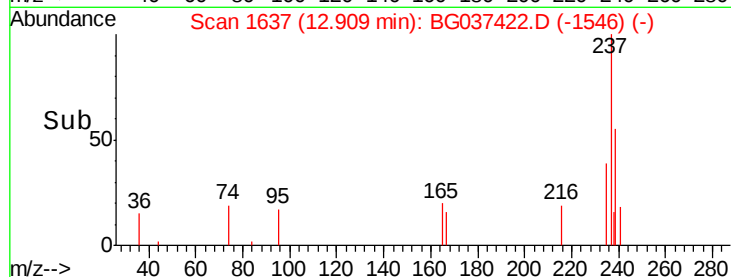
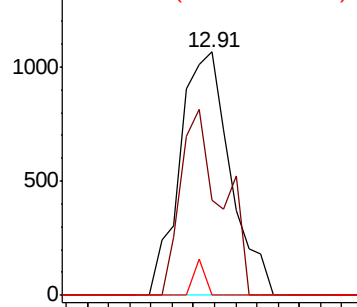
272 0.0 0.0 31.6



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: 138.456 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

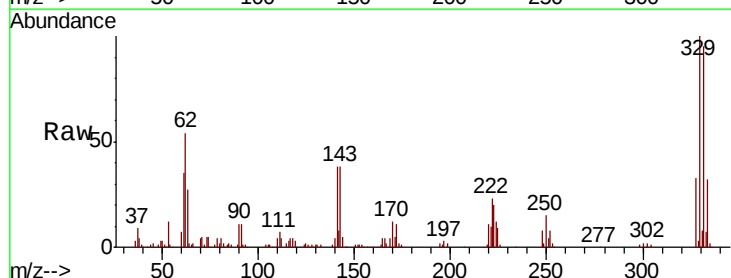
Tgt Ion:330 Resp: 240185

Ion Ratio Lower Upper

330 100

332 95.7 78.4 117.6

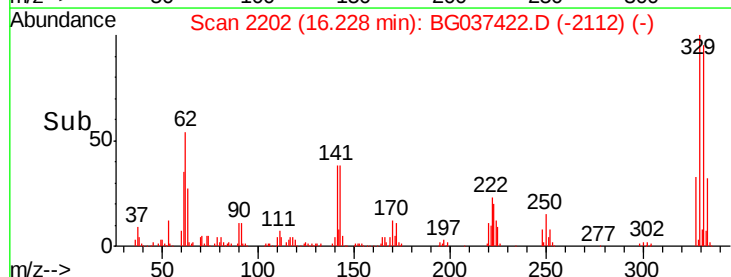
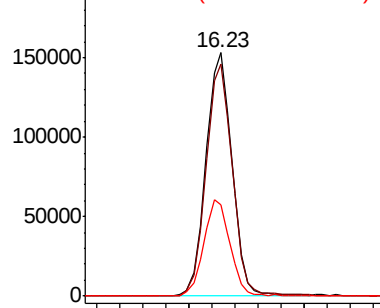
141 39.8 32.2 48.2

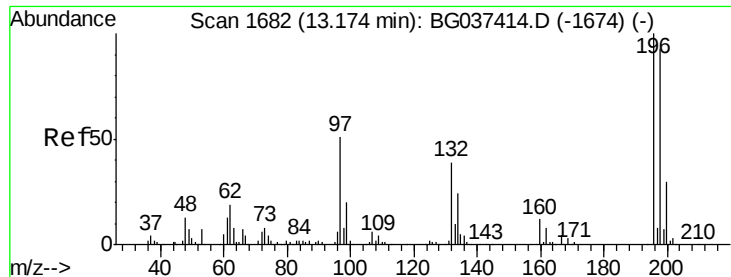


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

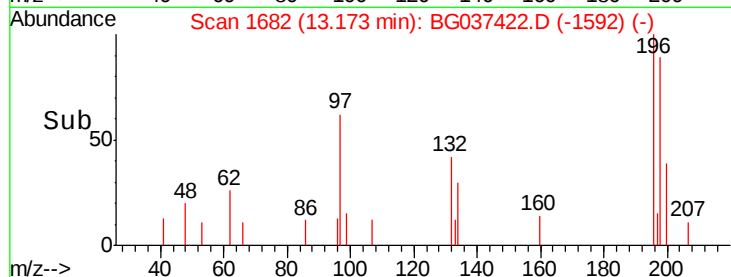
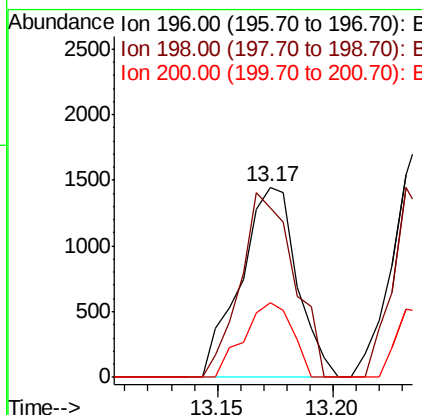
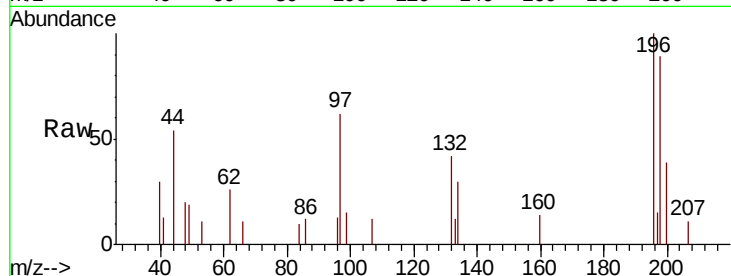




#43
 2,4,6-Trichlorophenol
 Concen: 0.719 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

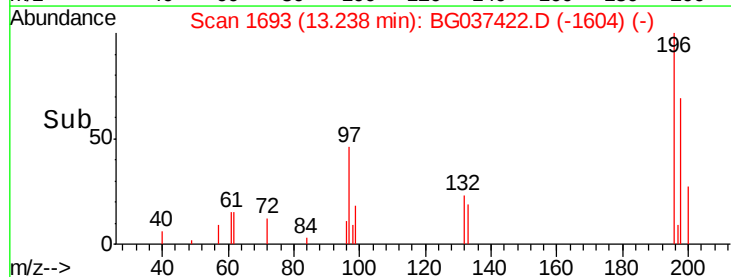
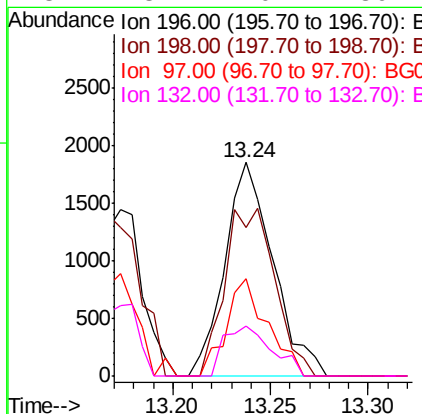
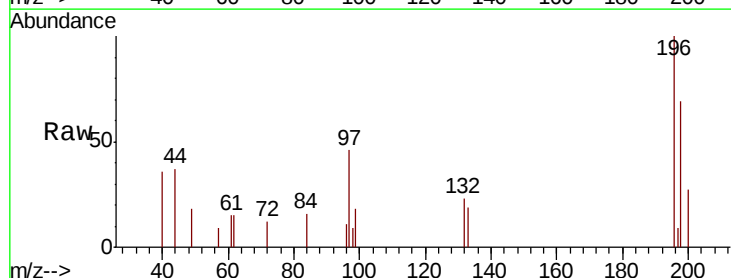
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tot Ion:196 Resp: 2465
 Ion Ratio Lower Upper
 196 100
 198 89.2 76.4 114.6
 200 39.3 24.9 37.3#



#44
 2,4,5-Trichlorophenol
 Concen: 0.851 ng
 RT: 13.24 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

Tgt Ion:196 Resp: 3175
 Ion Ratio Lower Upper
 196 100
 198 69.3 74.2 111.2#
 97 45.6 34.1 51.1
 132 23.2 20.2 30.4

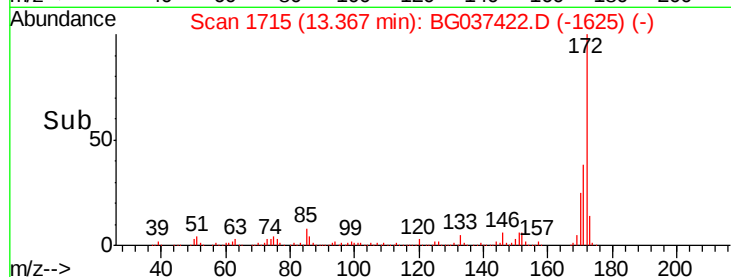
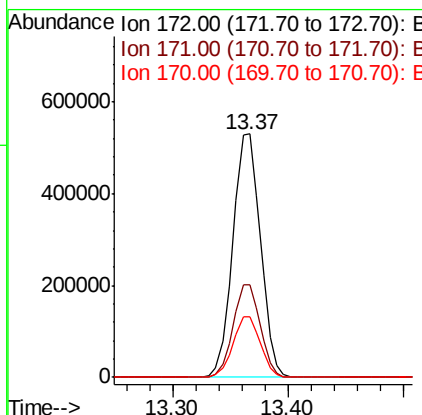
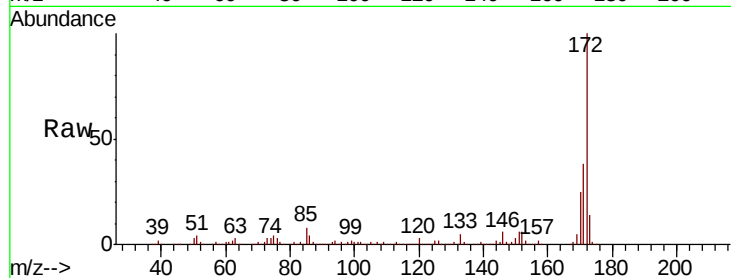




#45
2-Fluorobiphenyl
Concen: 83.123 ng
RT: 13.37 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

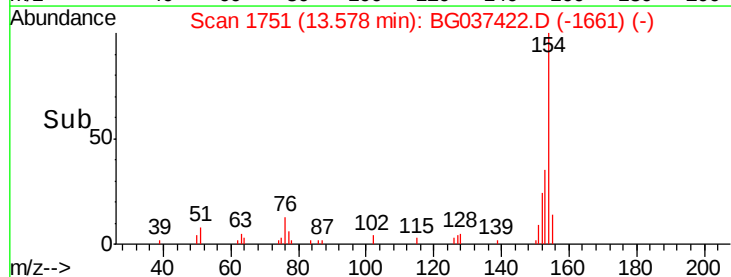
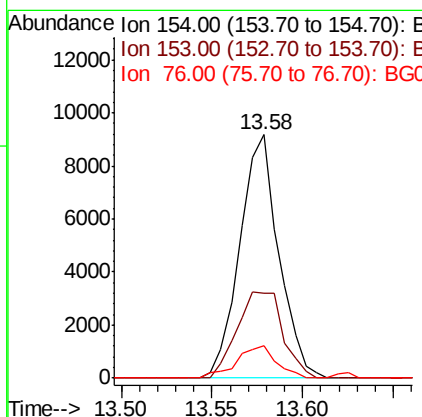
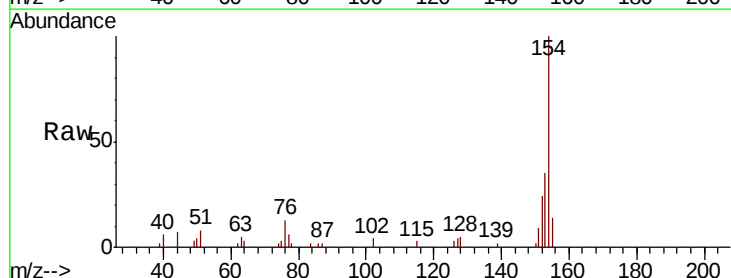
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

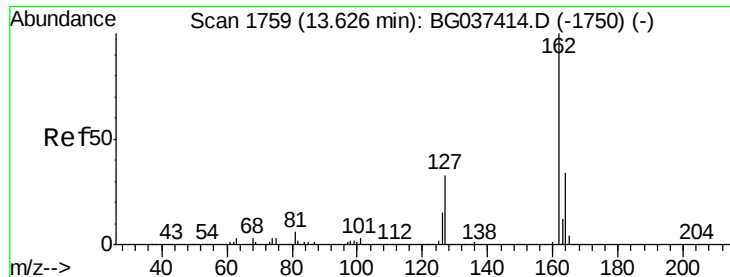
Tot Ion:172 Resp: 876742
Ion Ratio Lower Upper
172 100
171 38.1 31.0 46.4
170 25.0 20.2 30.2



#46
1,1'-Biphenyl
Concen: 1.037 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:154 Resp: 13662
Ion Ratio Lower Upper
154 100
153 34.8 22.1 62.1
76 13.2 0.0 33.2

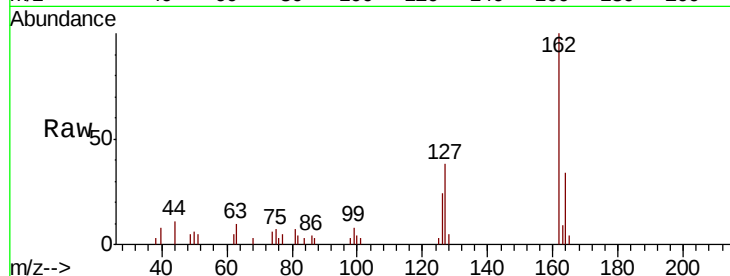




#47
2-Chloronaphthalene
Concen: 0.950 ng
RT: 13.63 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.2	30.5	45.7
164	33.5	26.4	39.6

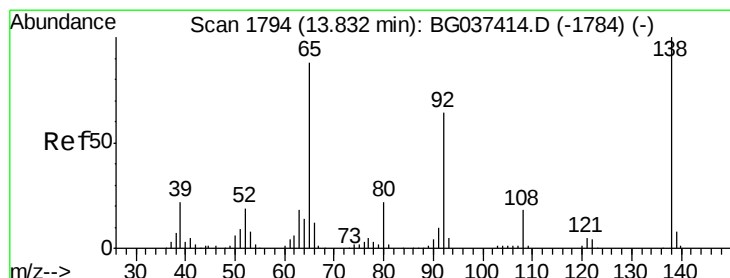
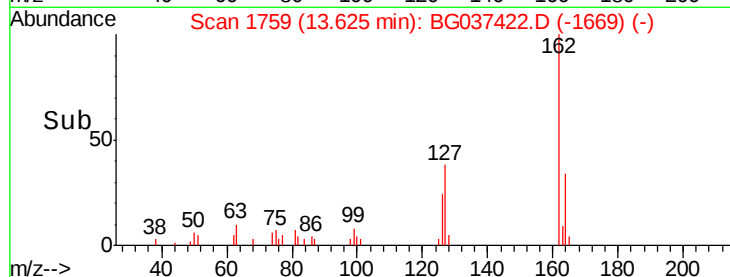
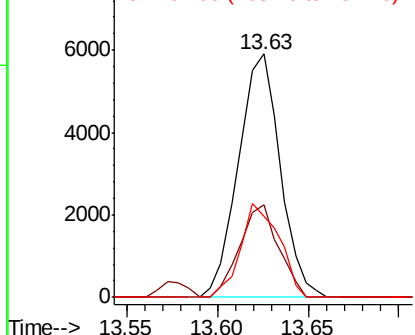


Abundance

Ion 162.00 (161.70 to 162.70): E

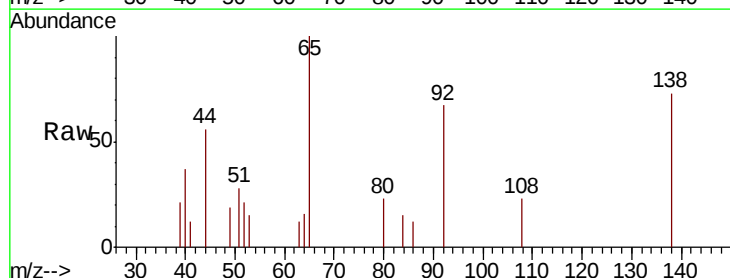
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 0.702 ng
RT: 13.83 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.5	53.2	79.8
138	72.6	79.3	118.9

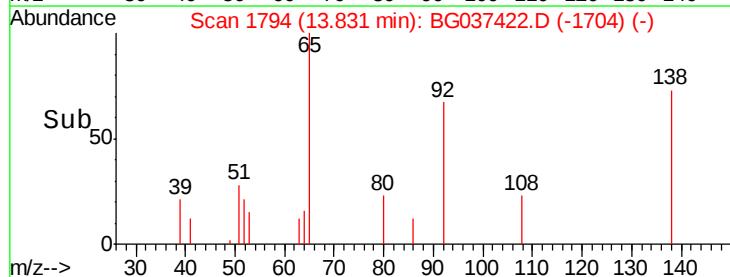
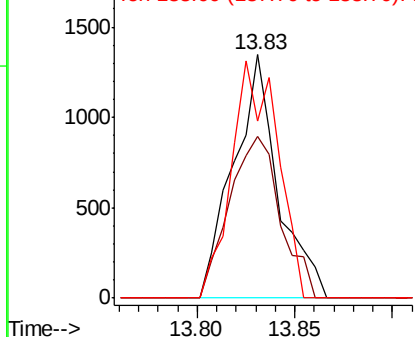


Abundance

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: 1.052 ng

RT: 14.47 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

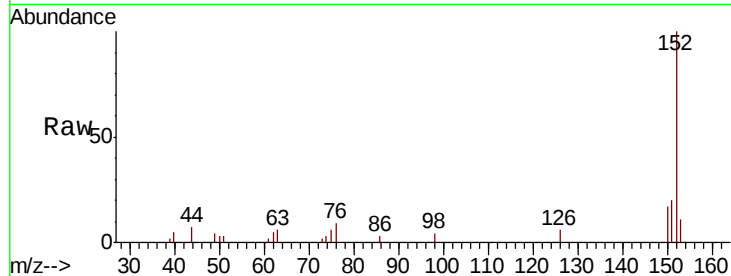
Tot Ion:152 Resp: 15768

Ion Ratio Lower Upper

152 100

151 19.9 17.1 25.7

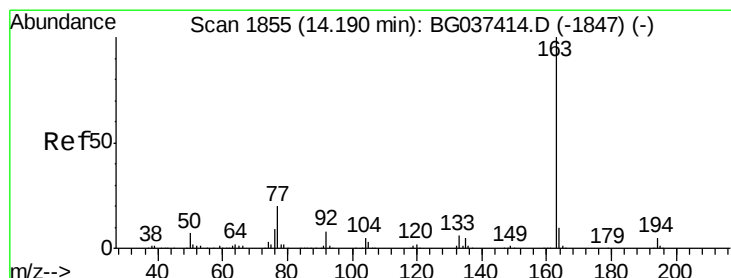
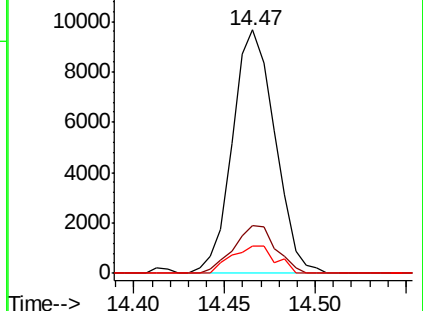
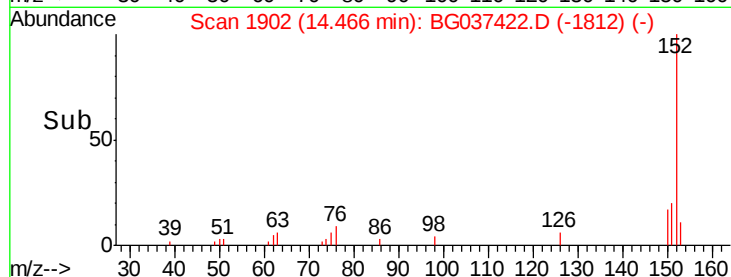
153 11.2 11.1 16.7



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: 0.986 ng

RT: 14.18 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

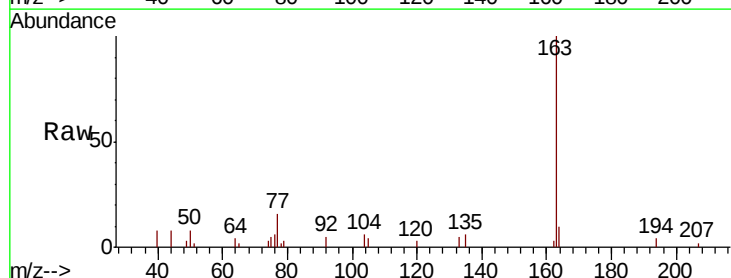
Tgt Ion:163 Resp: 12136

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

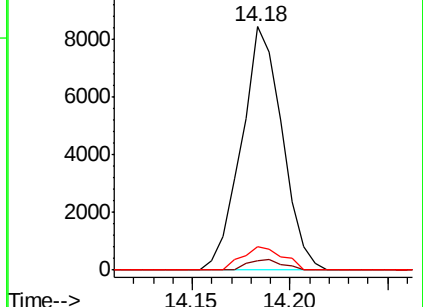
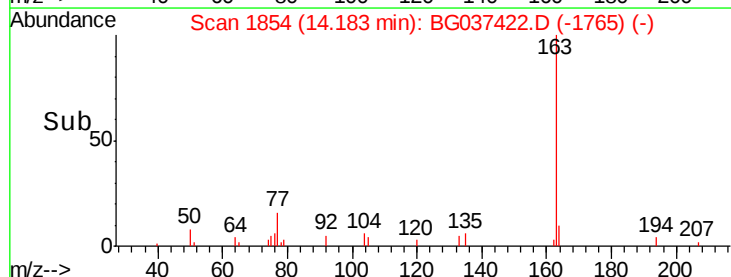
164 9.7 8.5 12.7

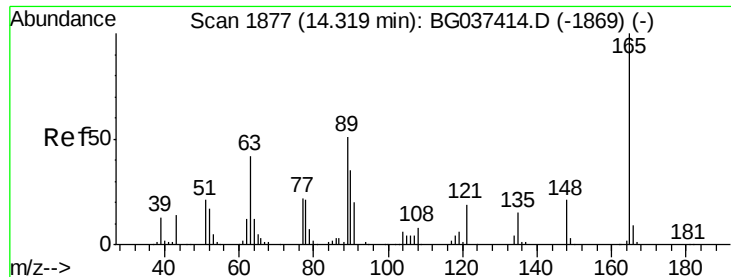


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

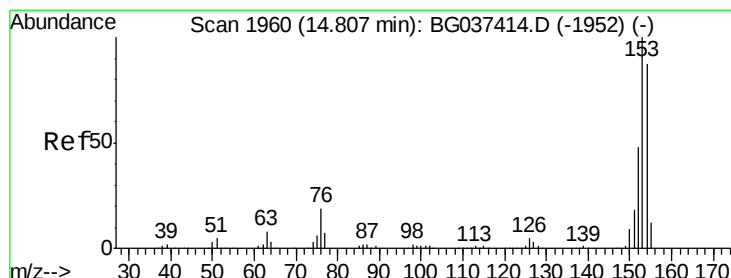
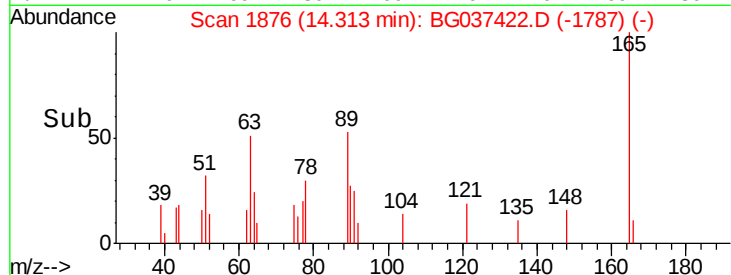
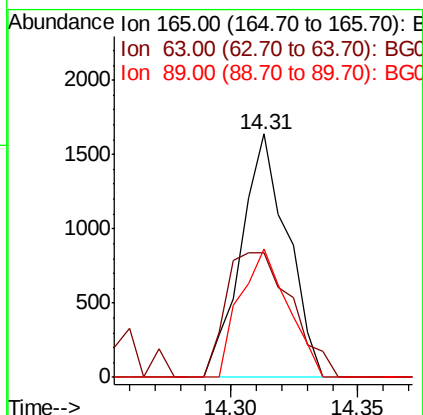
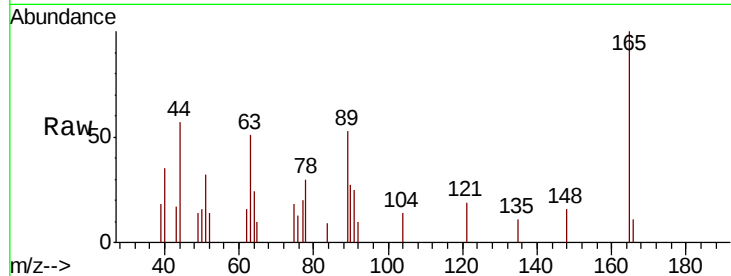




#51
2,6-Dinitrotoluene
Concen: 0.771 ng
RT: 14.31 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

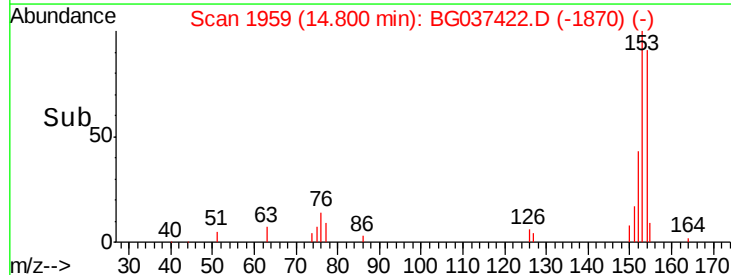
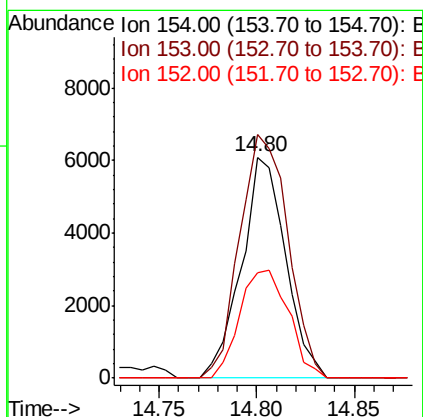
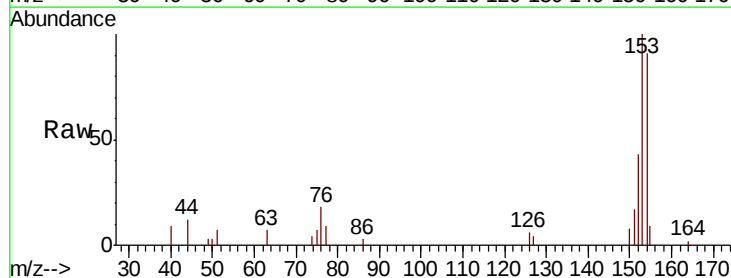
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:165 Resp: 2099
Ion Ratio Lower Upper
165 100
63 51.4 43.4 65.2
89 52.7 45.8 68.6



#52
Acenaphthene
Concen: 1.035 ng
RT: 14.80 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:154 Resp: 9558
Ion Ratio Lower Upper
154 100
153 110.2 93.4 140.0
152 47.6 44.7 67.1

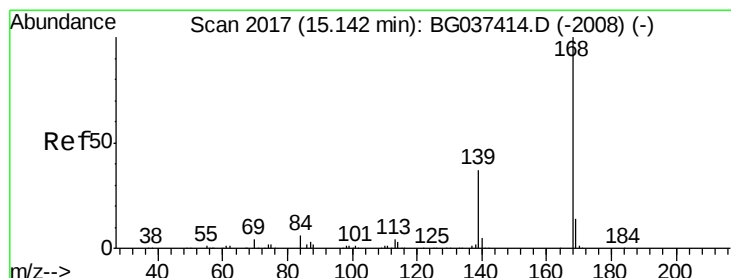
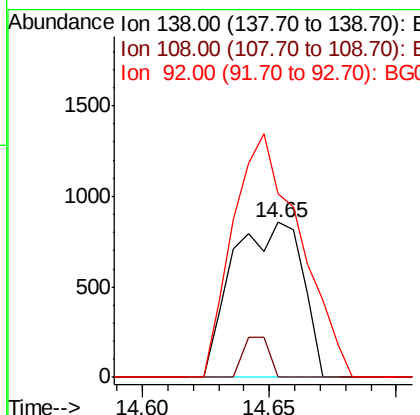
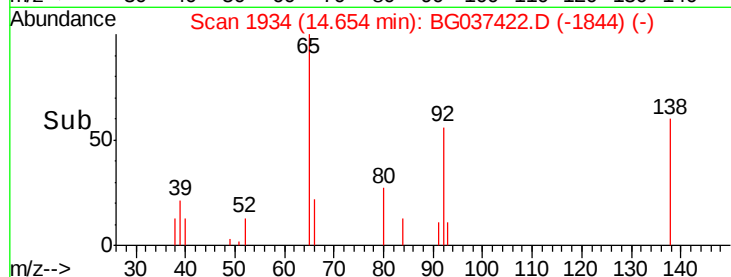
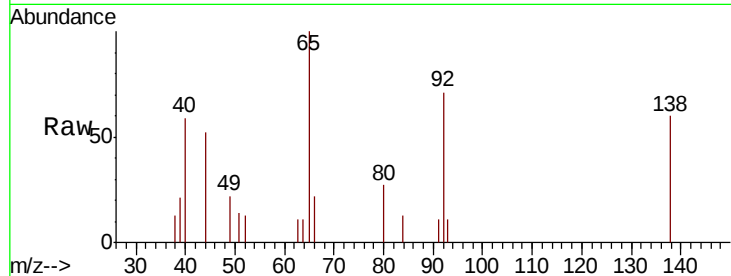




#53
3-Nitroaniline
Concen: 0.547 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

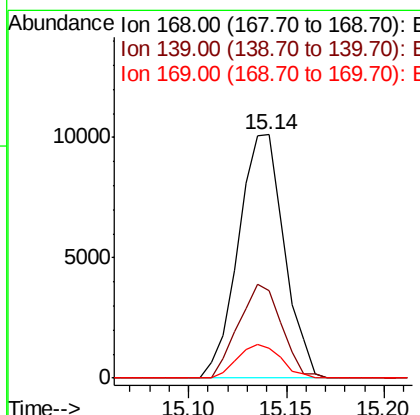
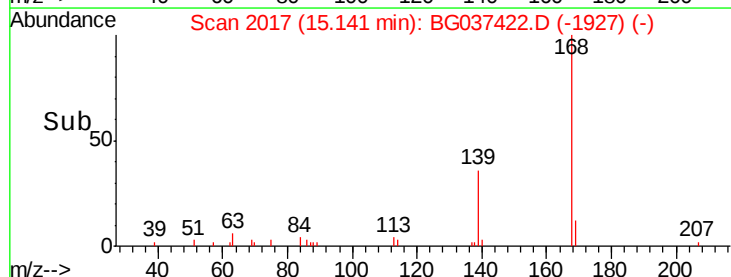
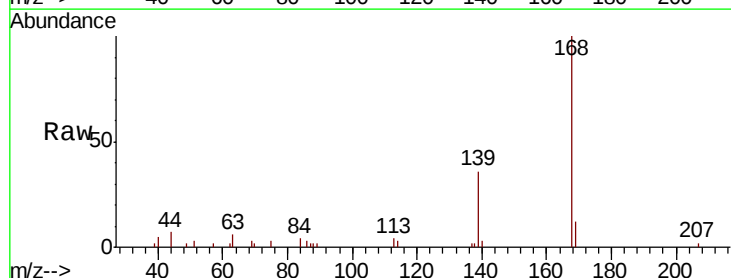
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

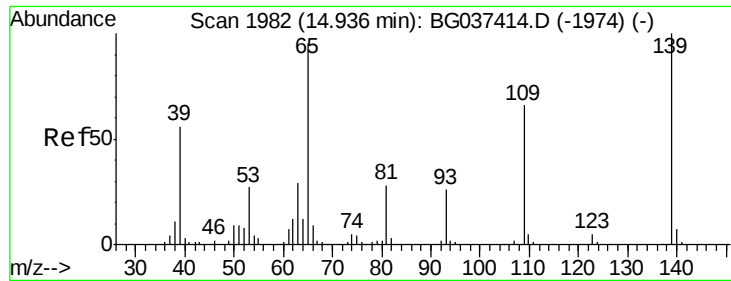
Tot Ion:138 Resp: 1652
Ion Ratio Lower Upper
138 100
108 0.0 11.0 16.6#
92 118.5 95.2 142.8



#55
Dibenzofuran
Concen: 1.078 ng
RT: 15.14 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:168 Resp: 16489
Ion Ratio Lower Upper
168 100
139 36.0 29.4 44.0
169 12.3 11.0 16.6

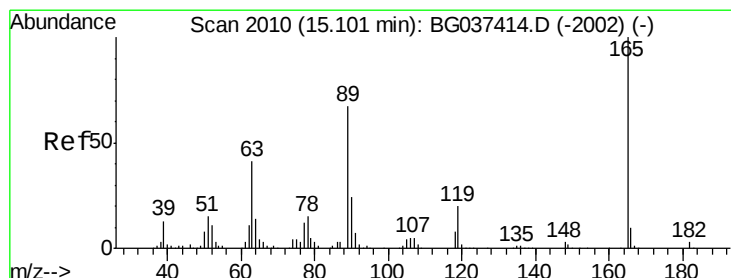
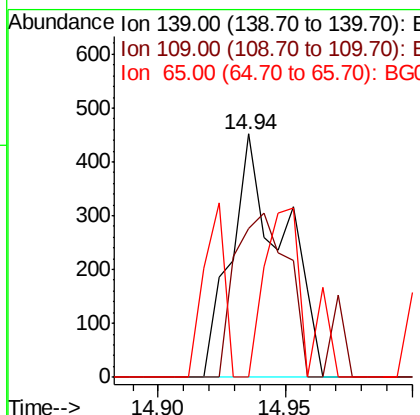
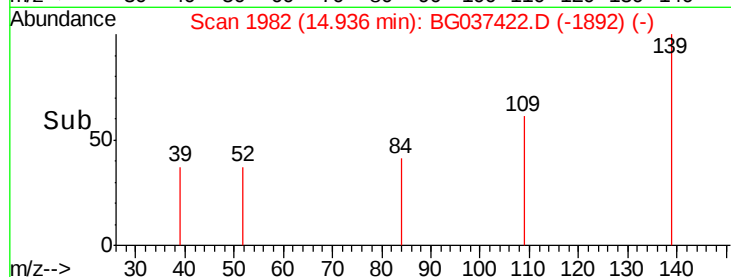
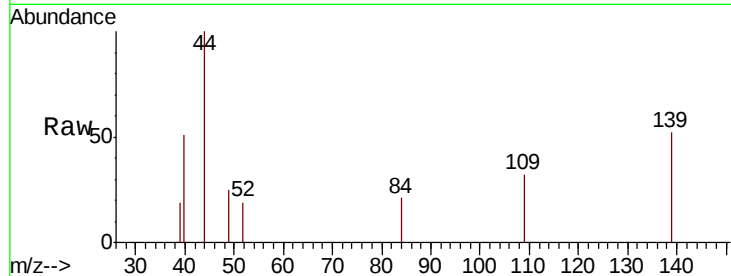




#56
4-Nitrophenol
Concen: 0.288 ng
RT: 14.94 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

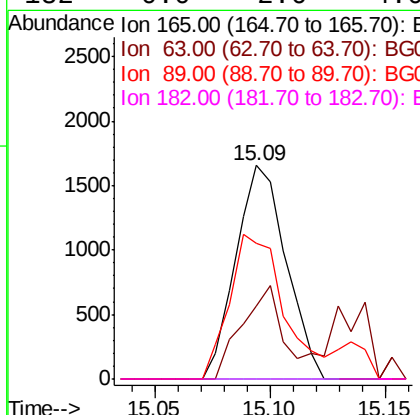
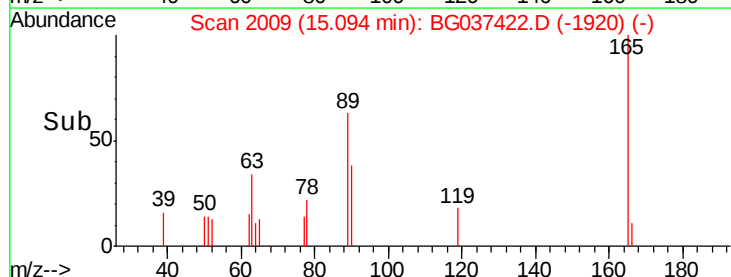
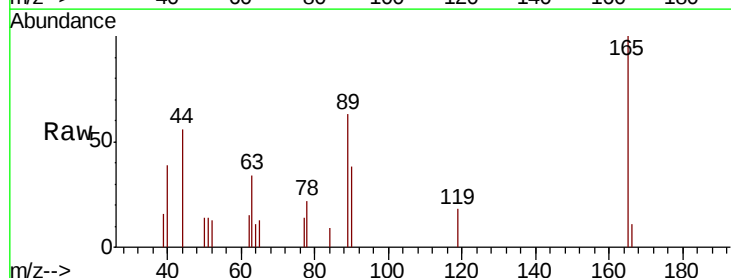
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

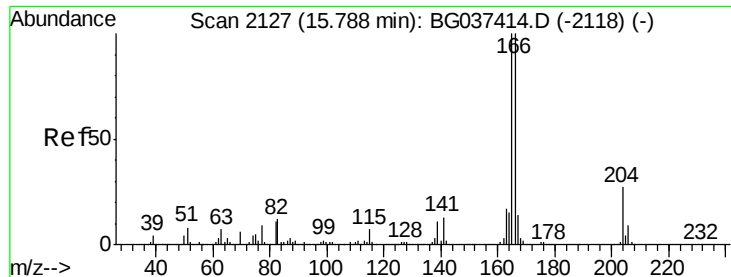
Tot Ion:139 Resp: 645
Ion Ratio Lower Upper
139 100
109 61.1 49.5 89.5
65 0.0 76.8 116.8#



#57
2,4-Dinitrotoluene
Concen: 0.702 ng
RT: 15.09 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:165 Resp: 2510
Ion Ratio Lower Upper
165 100
63 34.4 33.4 50.0
89 63.5 57.2 85.8
182 0.0 2.6 4.0#





#58

Fluorene

Concen: 1.111 ng

RT: 15.78 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

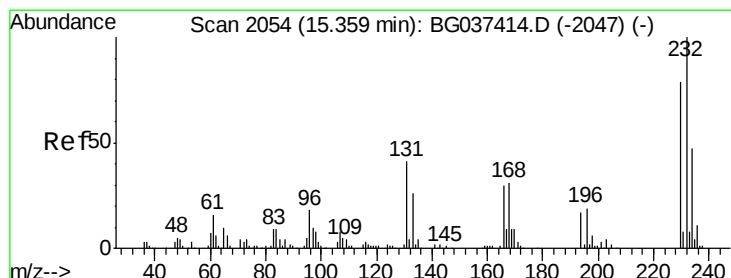
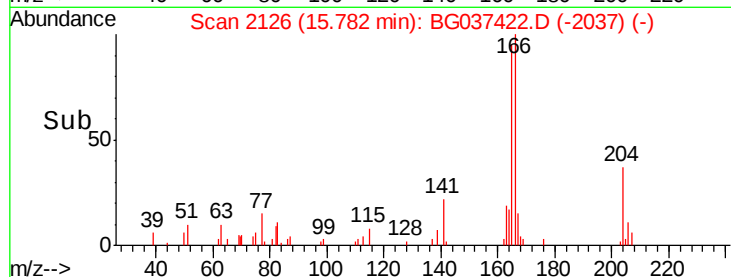
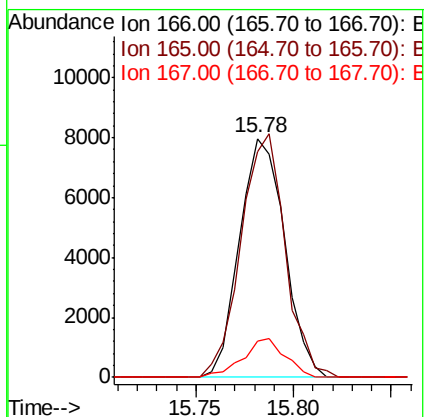
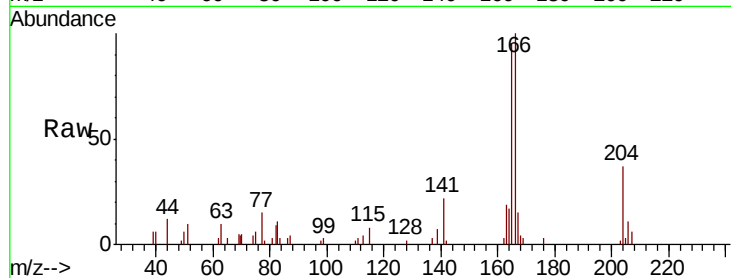
Tot Ion:166 Resp: 12729

Ion Ratio Lower Upper

166 100

165 94.8 79.0 118.6

167 15.2 11.3 16.9



#59

2,3,4,6-Tetrachlorophenol

Concen: 0.661 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Tgt Ion:232 Resp: 2113

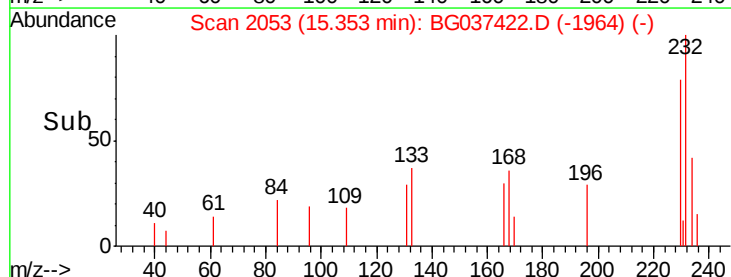
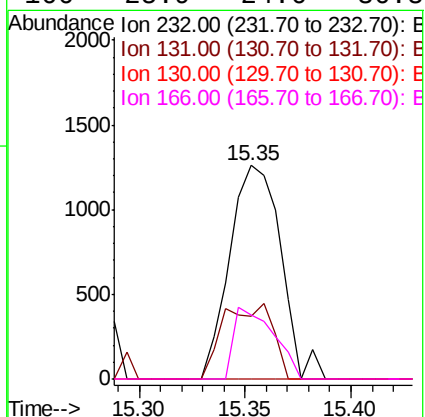
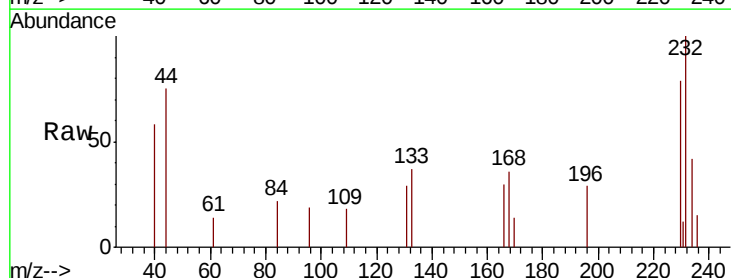
Ion Ratio Lower Upper

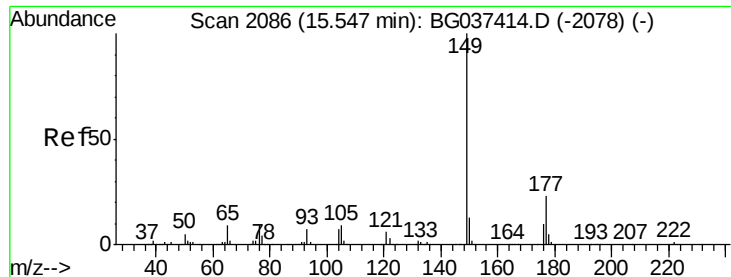
232 100

131 34.3 33.7 50.5

130 0.0 2.1 3.1#

166 25.9 24.6 36.8

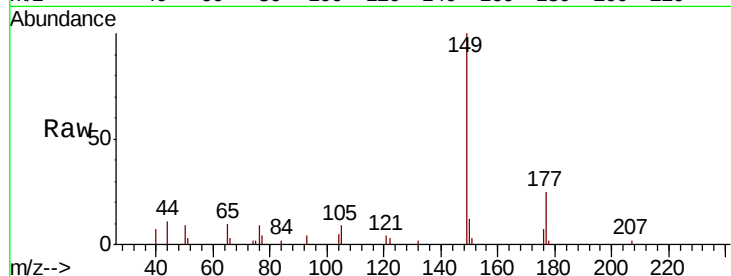




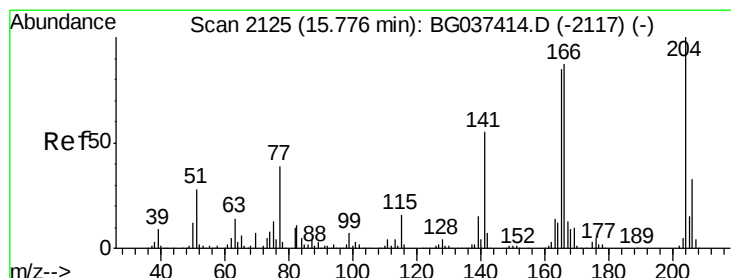
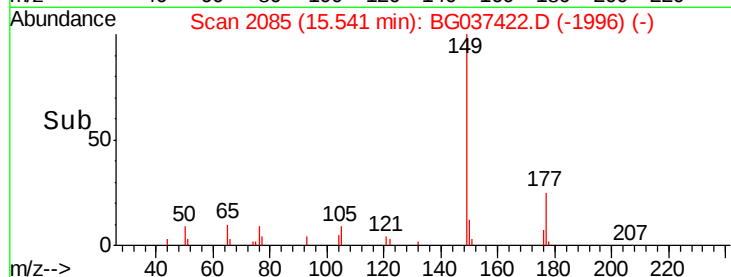
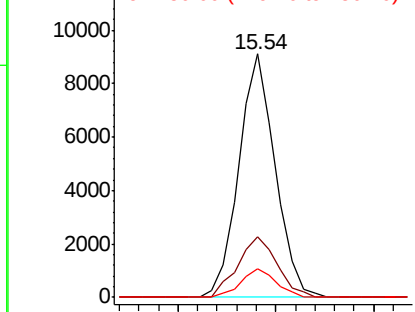
#60
Diethylphthalate
Concen: 0.928 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion:149 Resp: 11717
Ion Ratio Lower Upper
149 100
177 25.0 18.3 27.5
150 11.5 10.0 15.0

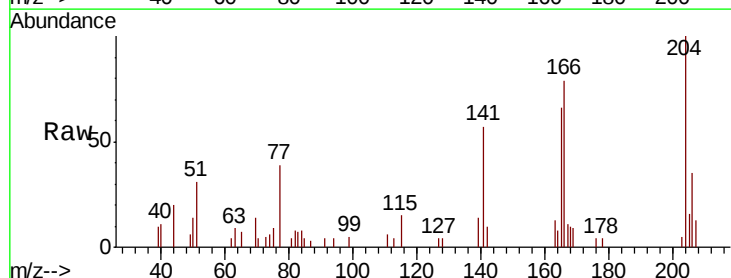


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

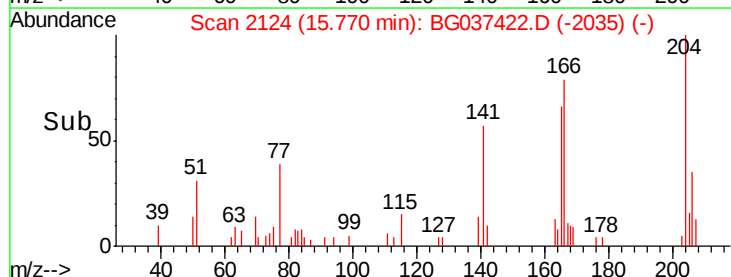
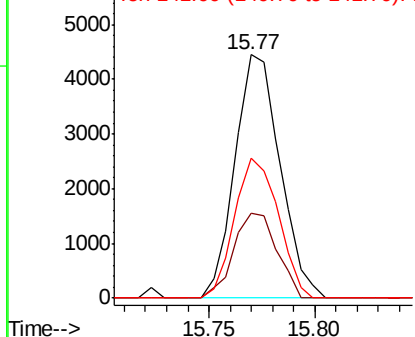


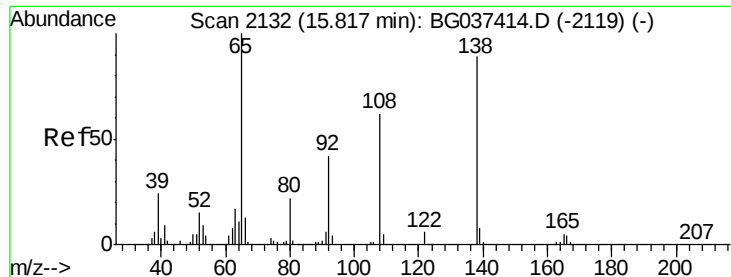
#61
4-Chlorophenyl-phenylether
Concen: 0.986 ng
RT: 15.77 min Scan# 2124
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:204 Resp: 6582
Ion Ratio Lower Upper
204 100
206 34.6 26.6 39.8
141 57.5 45.4 68.2



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

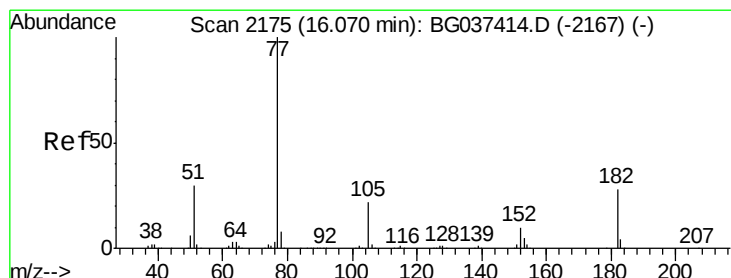
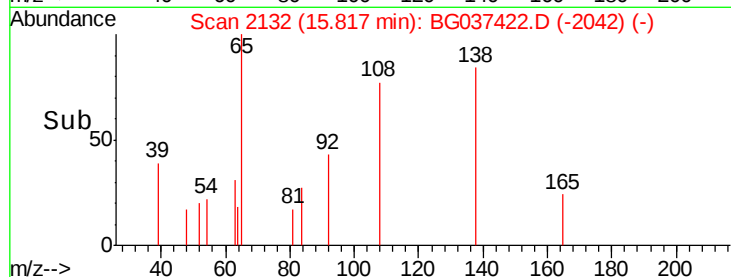
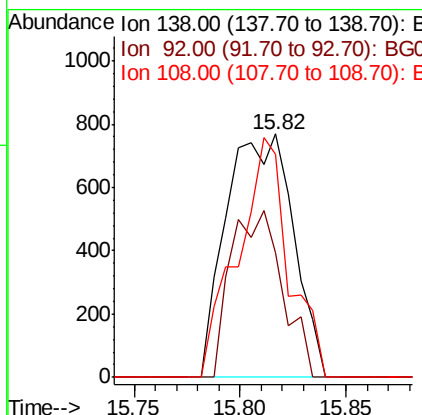
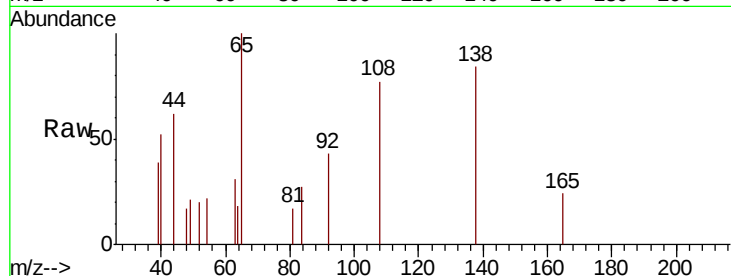




#62
4-Nitroaniline
Concen: 0.563 ng
RT: 15.82 min Scan# 2132
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

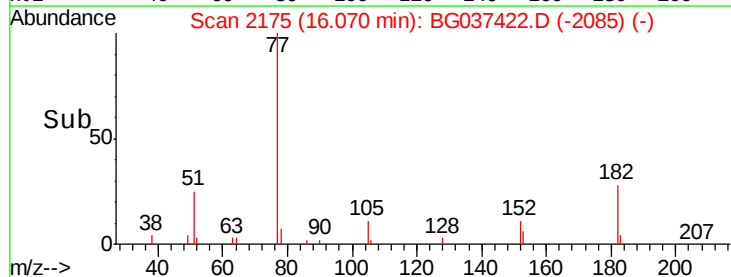
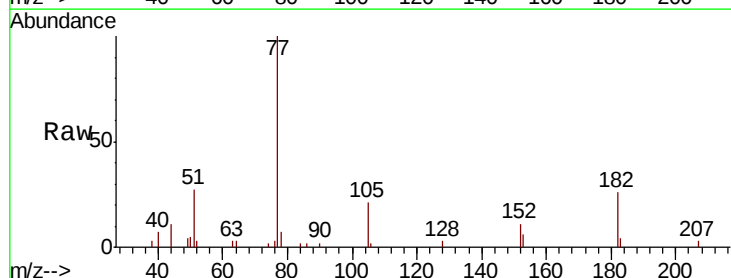
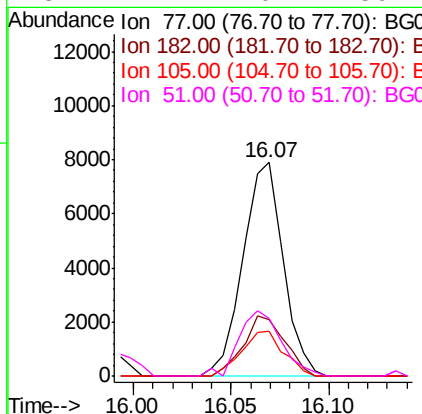
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

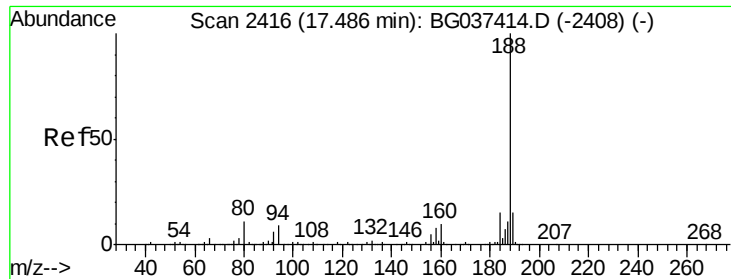
Tot Ion:138 Resp: 1690
Ion Ratio Lower Upper
138 100
92 51.2 36.4 76.4
108 91.8 60.1 100.1



#63
Azobenzene
Concen: 0.936 ng
RT: 16.07 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion: 77 Resp: 11278
Ion Ratio Lower Upper
77 100
182 26.4 8.0 48.0
105 21.0 1.3 41.3
51 27.1 10.7 50.7

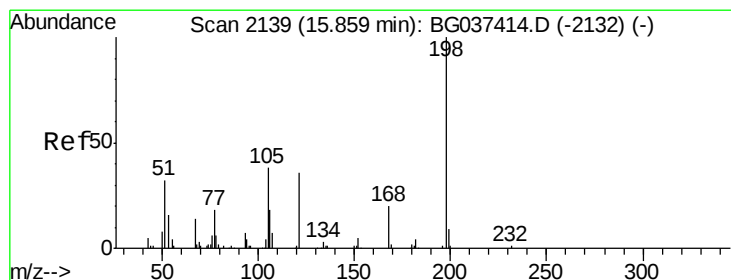
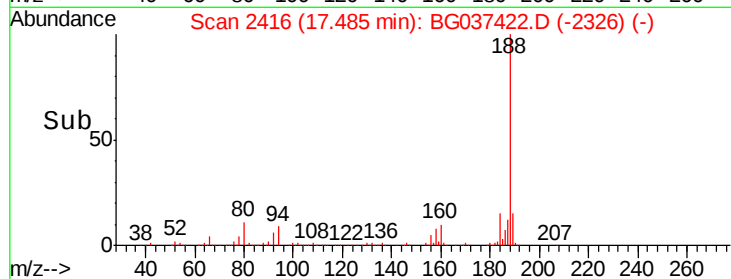
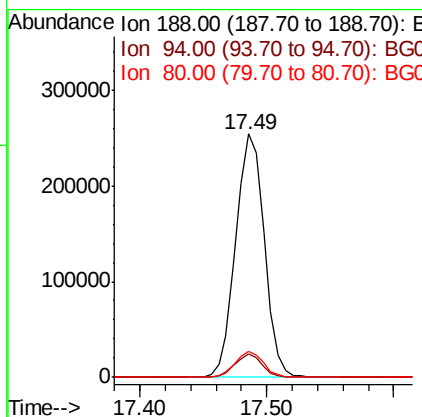
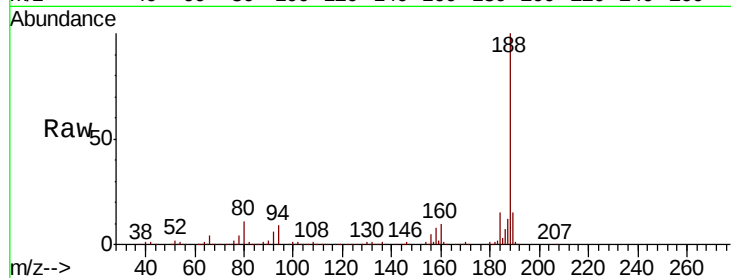




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

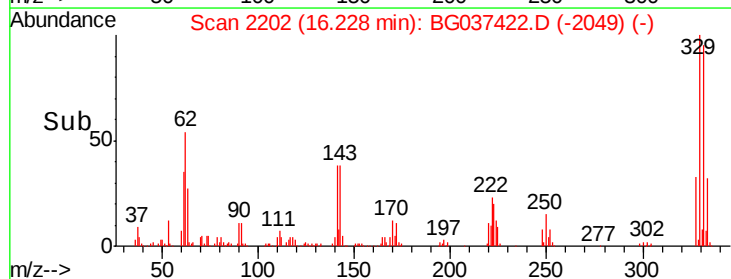
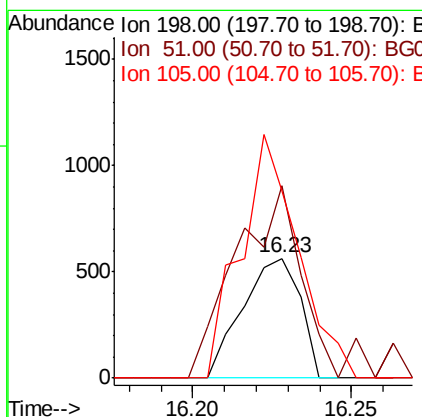
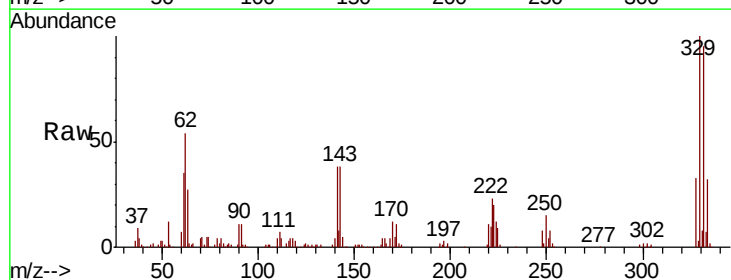
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

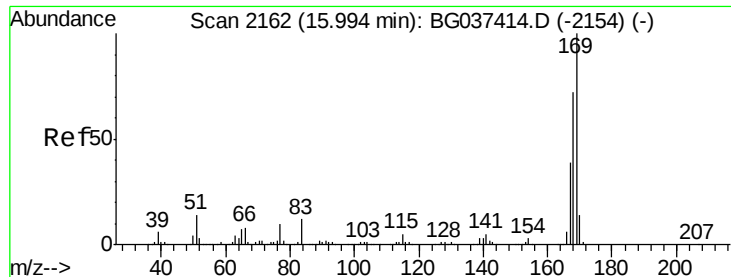
Tot Ion:188 Resp: 396985
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 10.9 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.788 ng
RT: 16.23 min Scan# 2202
Delta R.T. 0.37 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:198 Resp: 710
Ion Ratio Lower Upper
198 100
51 29.3 22.7 62.7
105 28.5 19.7 59.7





#66

n-Nitrosodiphenylamine

Concen: 0.907 ng

RT: 15.99 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

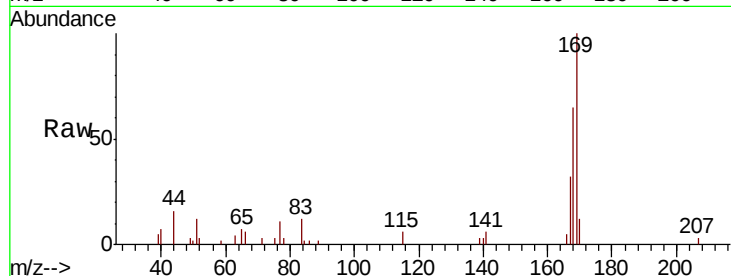
Tot Ion:169 Resp: 10829

Ion Ratio Lower Upper

169 100

168 65.3 55.7 83.5

167 31.6 31.3 46.9

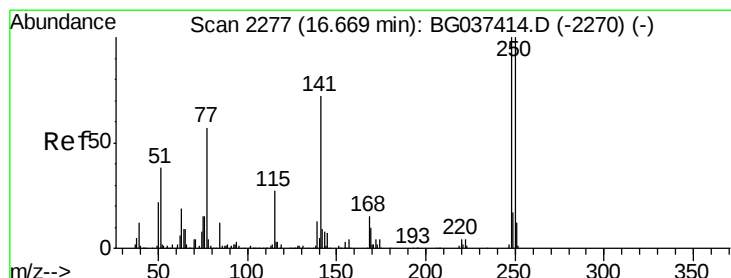
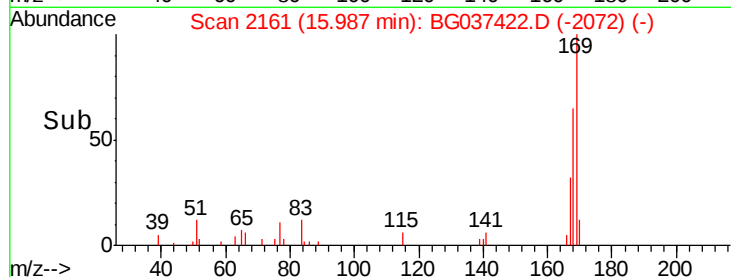
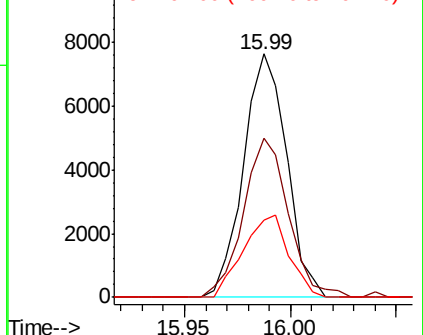


Abundance

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: 0.880 ng

RT: 16.67 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

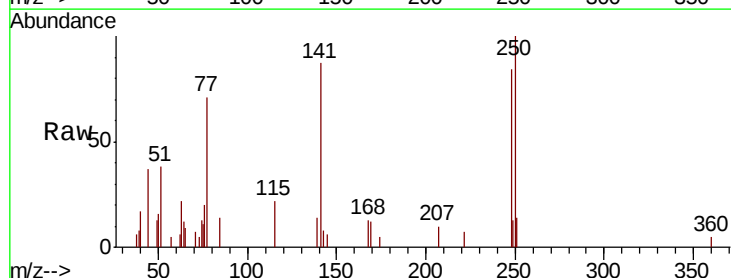
Tgt Ion:248 Resp: 3835

Ion Ratio Lower Upper

248 100

250 119.2 77.0 115.6#

141 103.3 55.5 83.3#

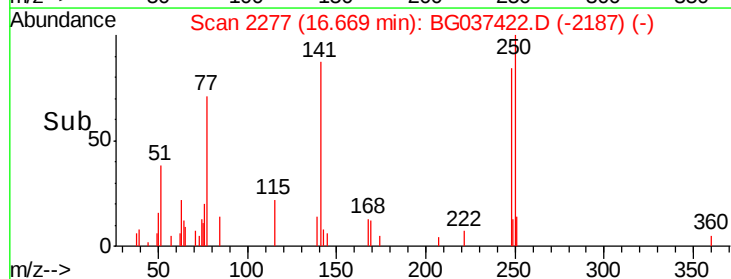
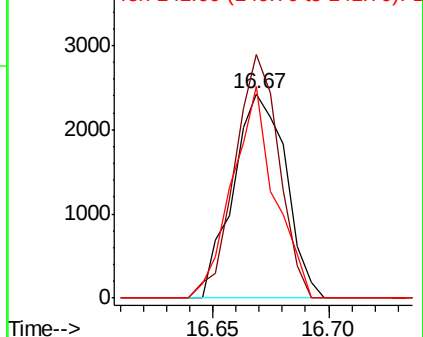


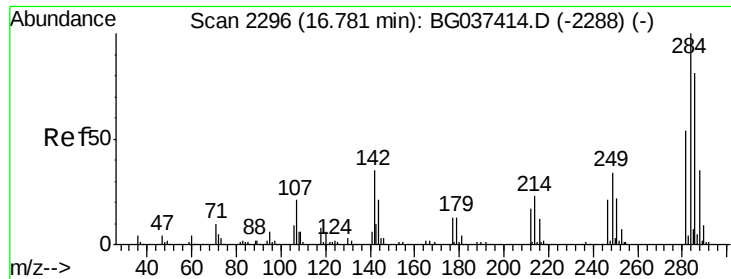
Abundance

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: 0.932 ng

RT: 16.78 min Scan# 2296

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

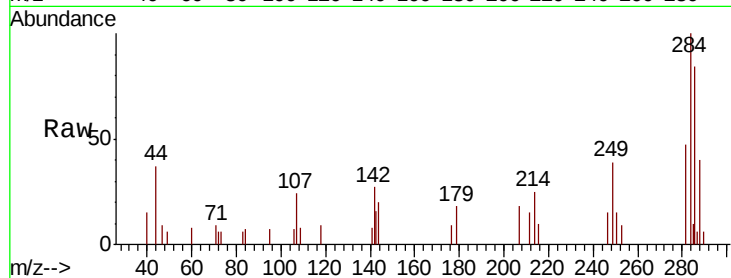
Tot Ion:284 Resp: 4210

Ion Ratio Lower Upper

284 100

142 27.2 28.1 42.1#

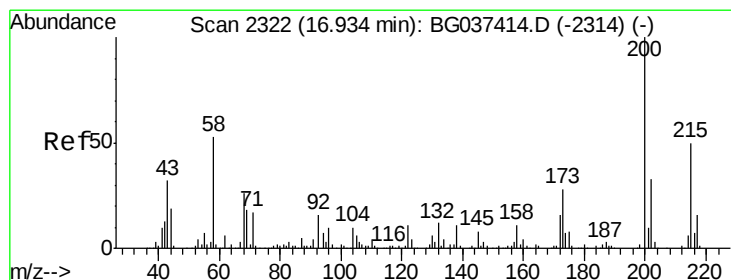
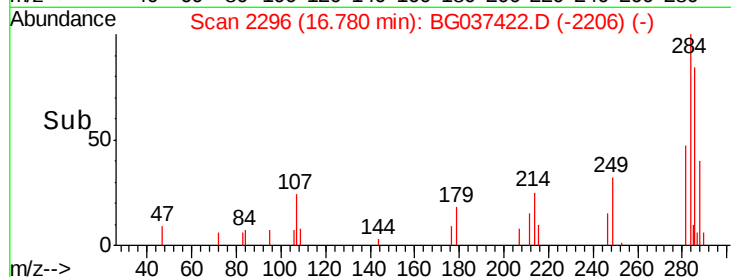
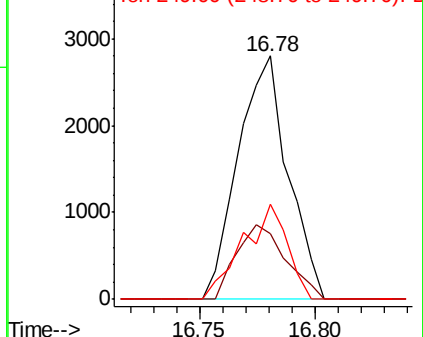
249 38.9 29.8 44.8



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: 0.852 ng

RT: 16.93 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

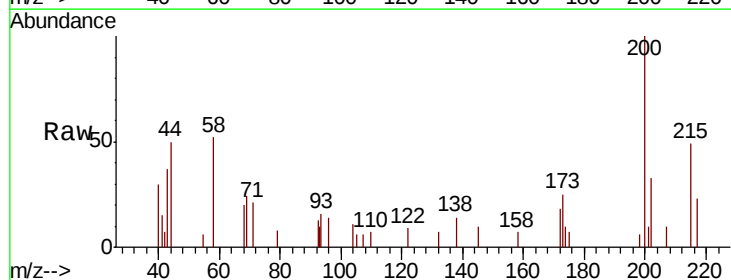
Tgt Ion:200 Resp: 3680

Ion Ratio Lower Upper

200 100

173 24.9 6.1 46.1

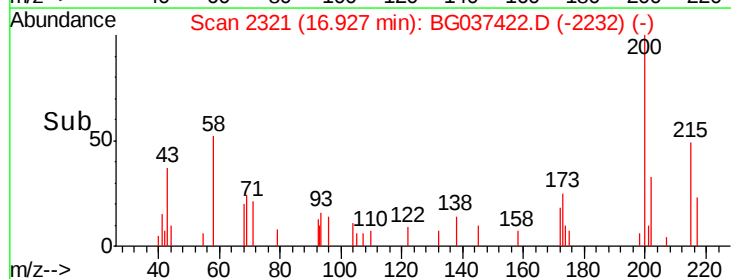
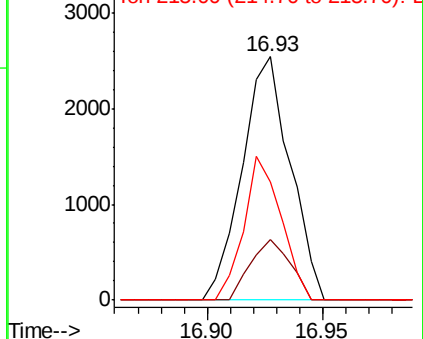
215 48.8 30.8 70.8

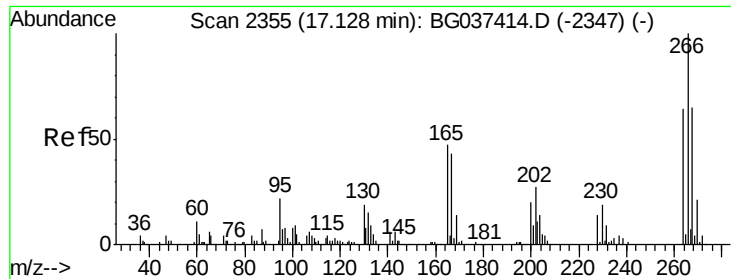


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

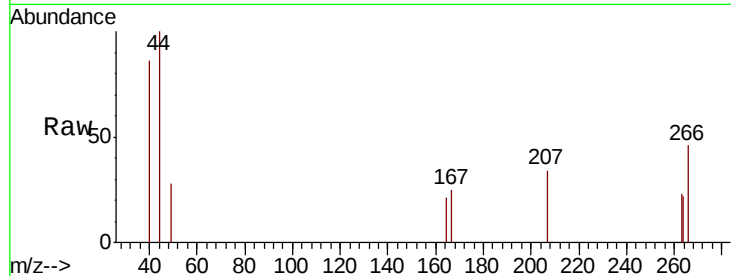




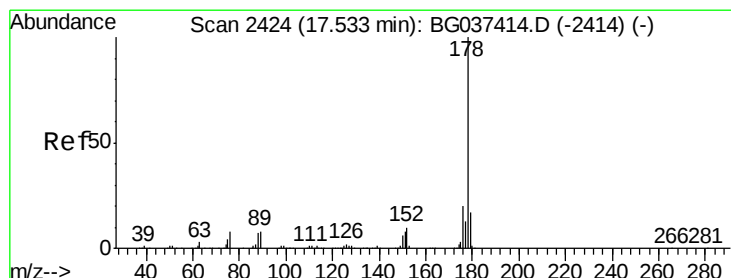
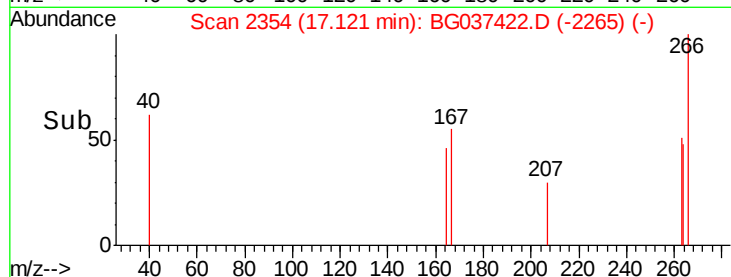
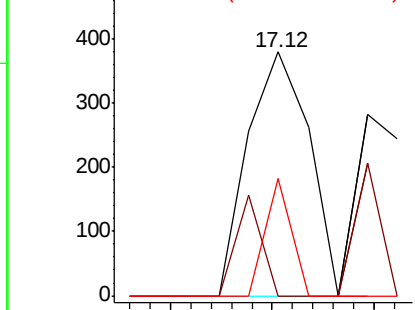
#70
 Pentachlorophenol
 Concen: 0.105 ng
 RT: 17.12 min Scan# 2354
 Delta R.T. -0.01 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

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

Tot Ion:266 Resp: 317
 Ion Ratio Lower Upper
 266 100
 268 0.0 55.0 82.6#
 264 48.2 58.9 88.3#

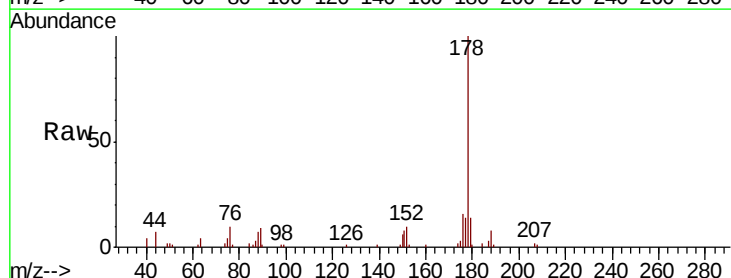


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

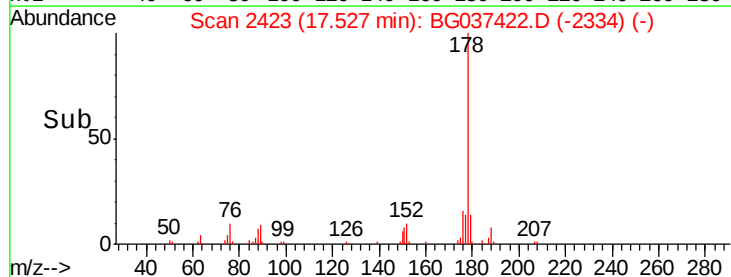
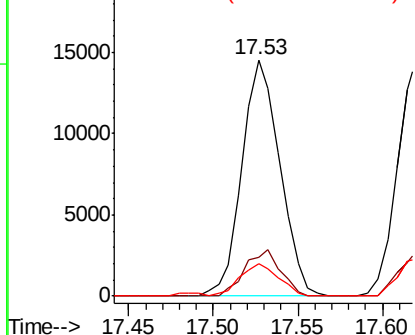


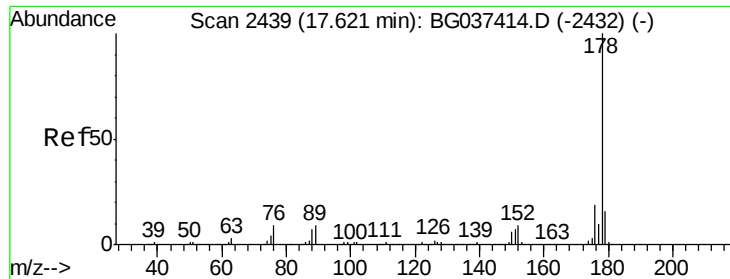
#71
 Phenanthrene
 Concen: 1.129 ng
 RT: 17.53 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

Tgt Ion:178 Resp: 22788
 Ion Ratio Lower Upper
 178 100
 176 16.2 16.1 24.1
 179 14.0 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: 1.063 ng

RT: 17.62 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

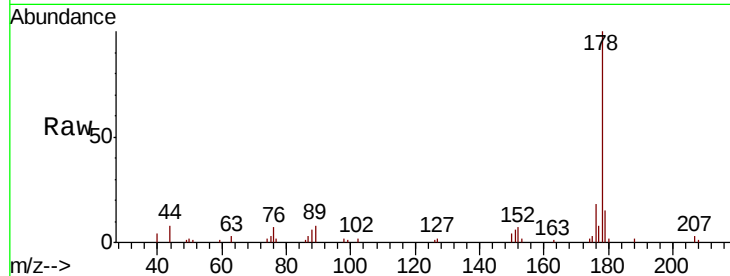
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:178 Resp: 21046

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.2	12.8	19.2



Abundance

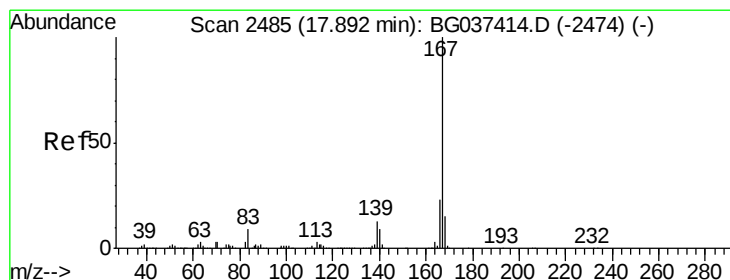
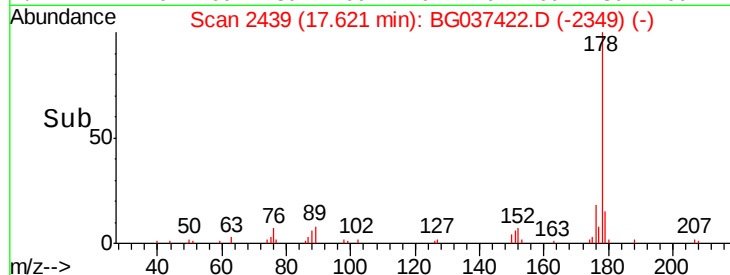
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.62

Time-->



#73

Carbazole

Concen: 0.843 ng

RT: 17.89 min Scan# 2485

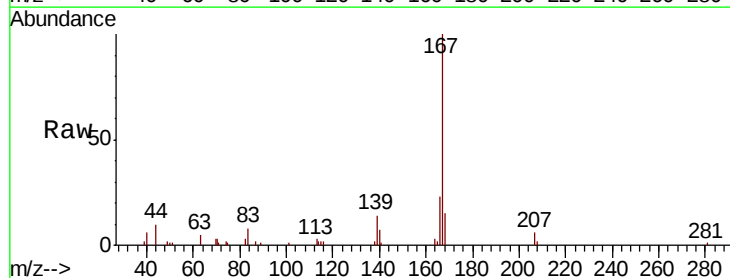
Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Tgt Ion:167 Resp: 16691

Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.3	27.5
139	13.8	10.5	15.7



Abundance

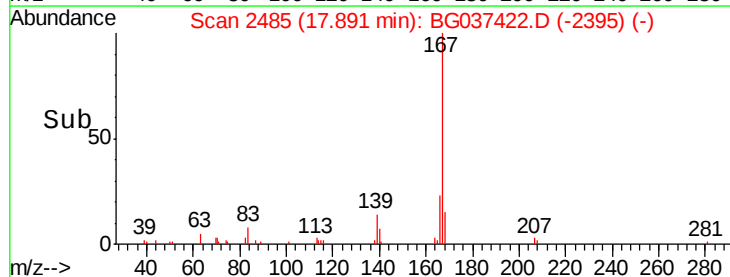
Ion 167.00 (166.70 to 167.70): E

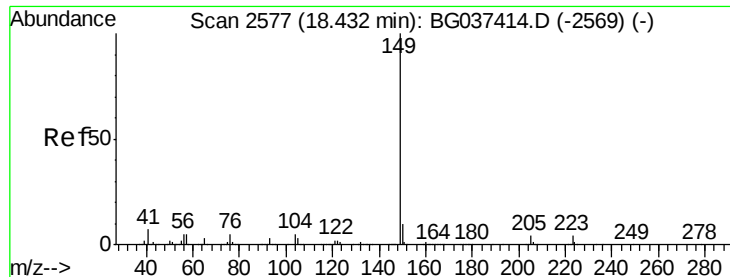
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.89

Time-->

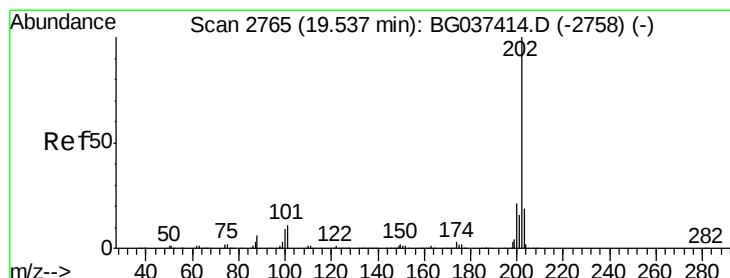
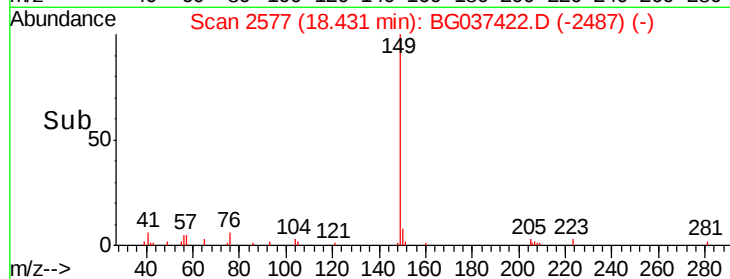
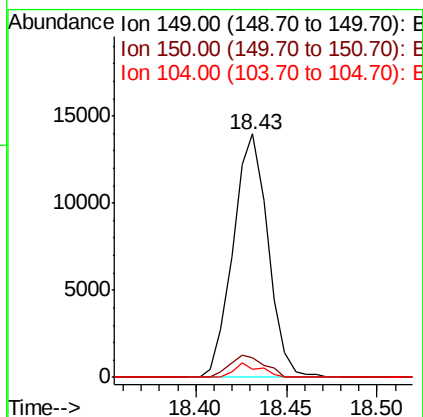
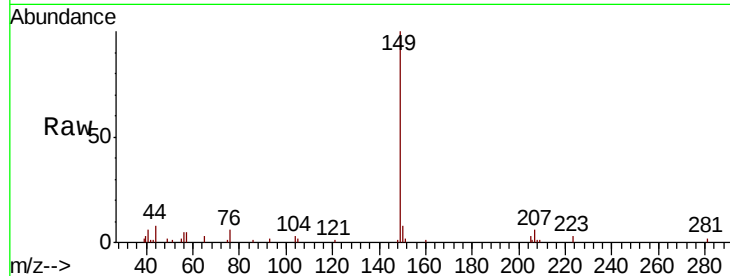




#74
Di-n-butylphthalate
Concen: 0.848 ng
RT: 18.43 min Scan# 2577
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

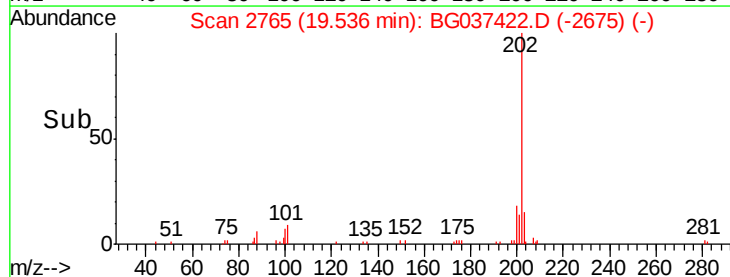
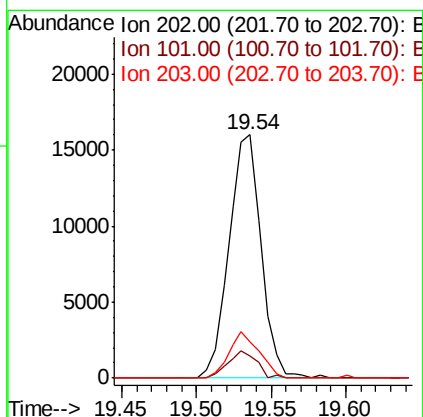
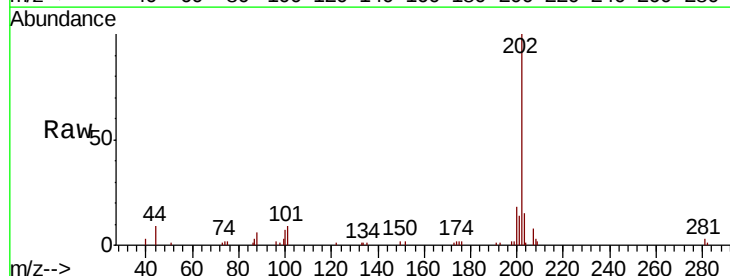
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

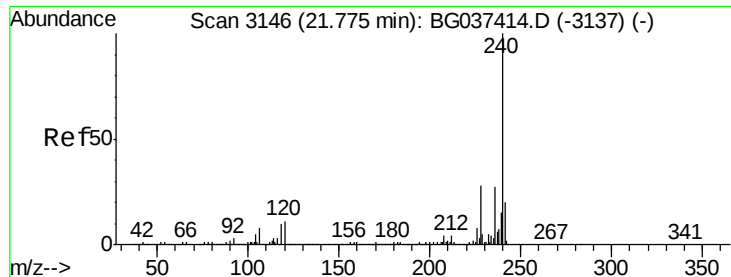
Tot Ion:149 Resp: 18692
Ion Ratio Lower Upper
149 100
150 7.8 8.2 12.2#
104 3.4 4.0 6.0#



#75
Fluoranthene
Concen: 1.051 ng
RT: 19.54 min Scan# 2765
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:202 Resp: 24058
Ion Ratio Lower Upper
202 100
101 9.0 0.0 30.7
203 15.0 0.0 38.5

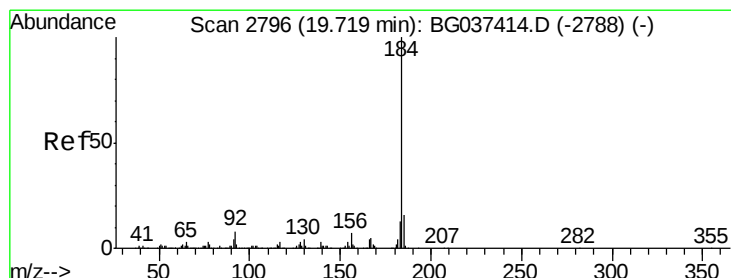
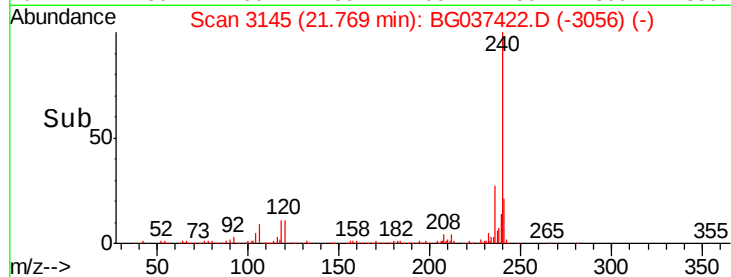
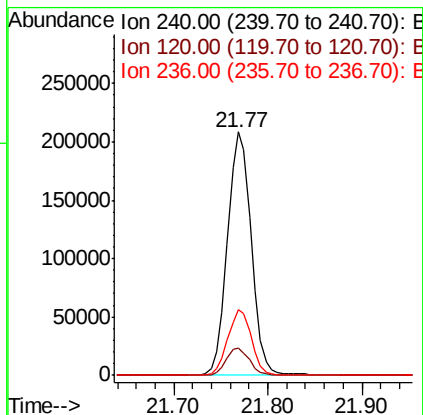
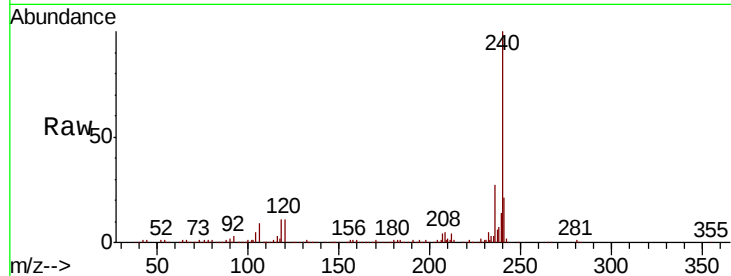




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

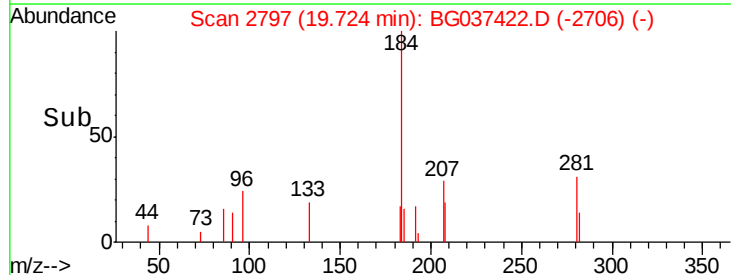
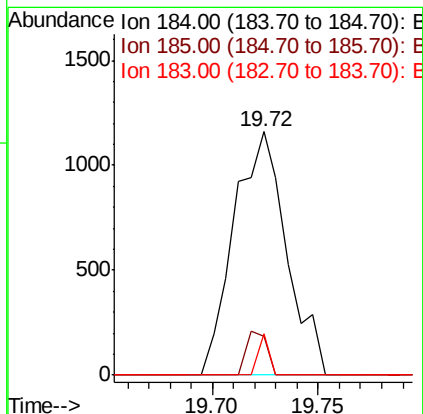
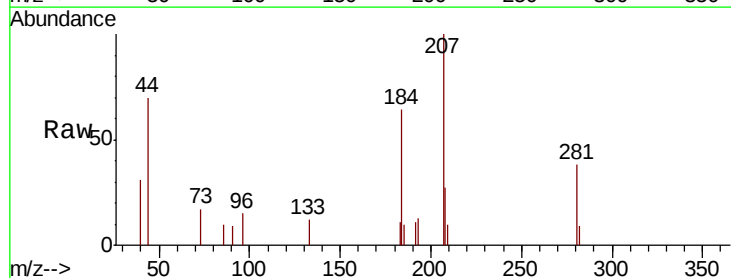
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

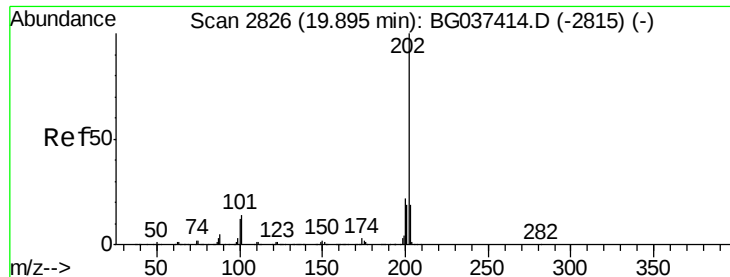
Tot Ion:240 Resp: 366889
Ion Ratio Lower Upper
240 100
120 11.2 8.1 12.1
236 27.1 21.4 32.0



#77
Benzidine
Concen: 0.161 ng
RT: 19.72 min Scan# 2797
Delta R.T. 0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:184 Resp: 2006
Ion Ratio Lower Upper
184 100
185 15.8 12.6 18.8
183 16.9 10.2 15.2#

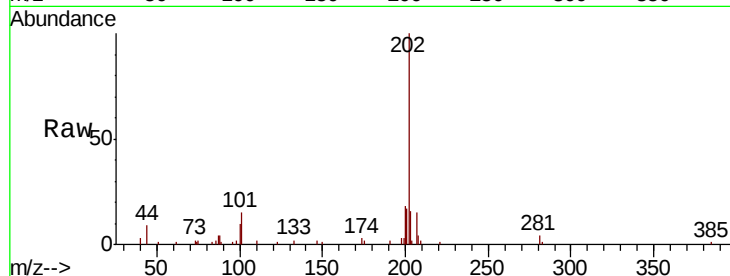




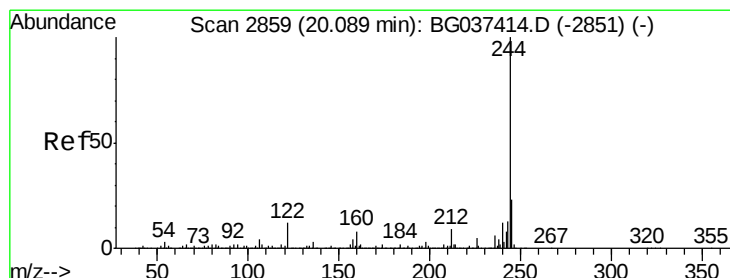
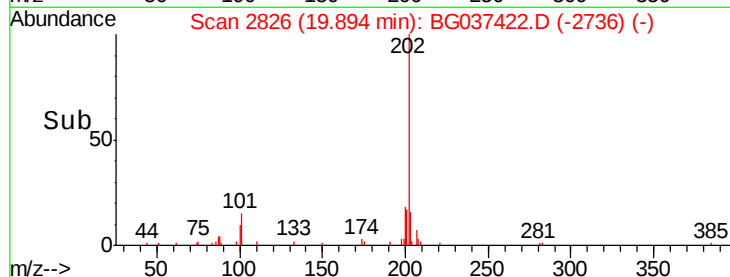
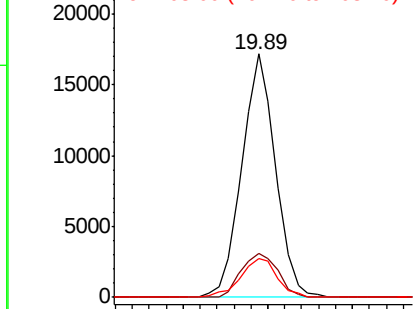
#78
Pvrene
Concen: 0.991 ng
RT: 19.89 min Scan# 2826
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion:	202	Resp:	23767
Ion	Ratio	Lower	Upper
202	100		
200	18.0	17.8	26.6
203	16.2	15.2	22.8

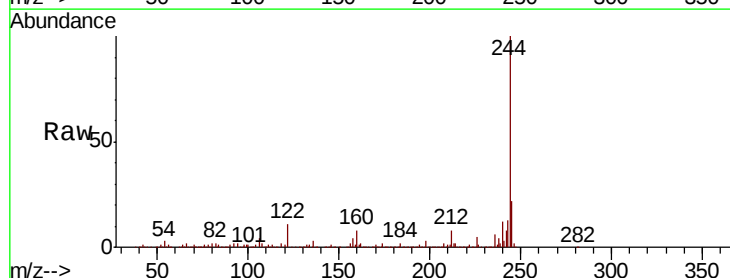


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

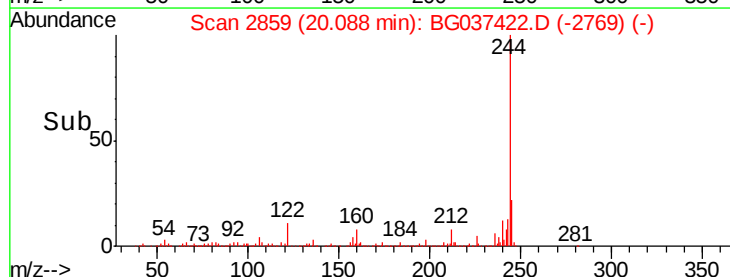
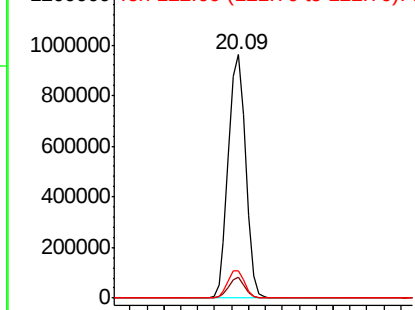


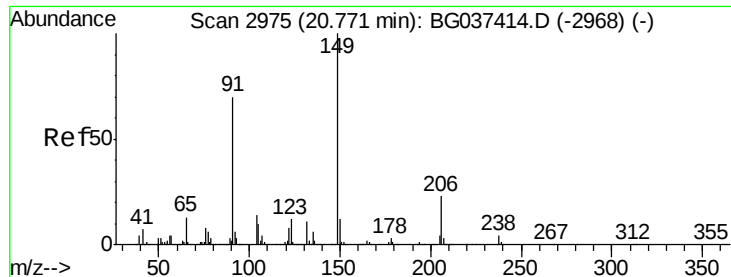
#79
Terphenyl-d14
Concen: 79.297 ng
RT: 20.09 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:	244	Resp:	1361551
Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	11.0	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

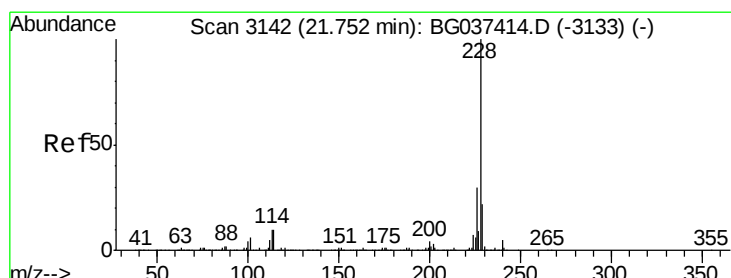
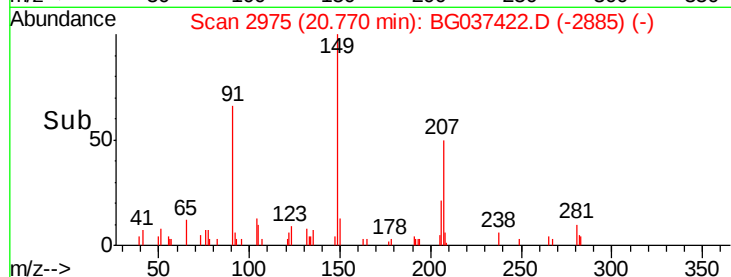
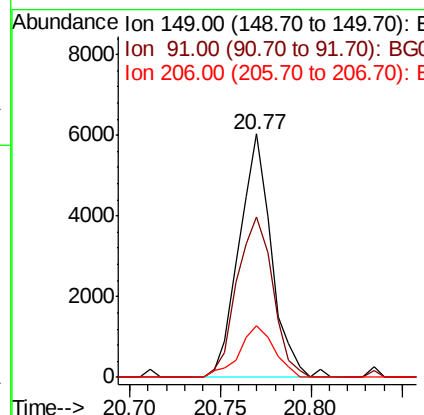
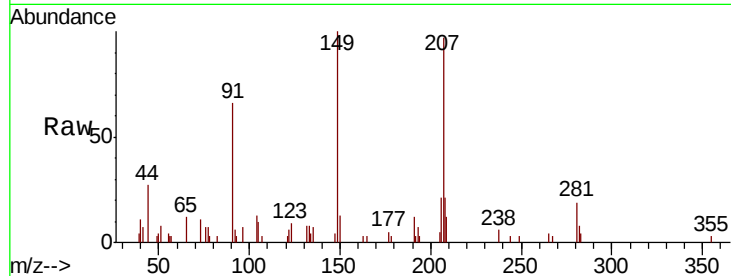




#80
Butylbenzylphthalate
Concen: 0.761 ng
RT: 20.77 min Scan# 2975
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

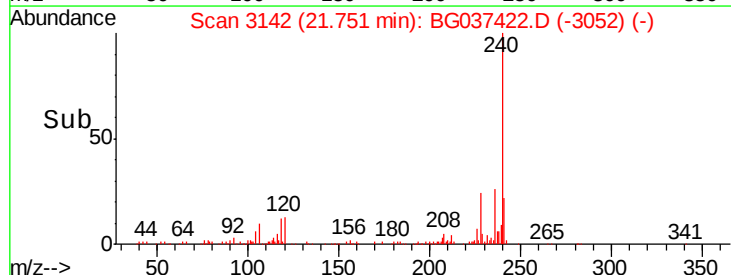
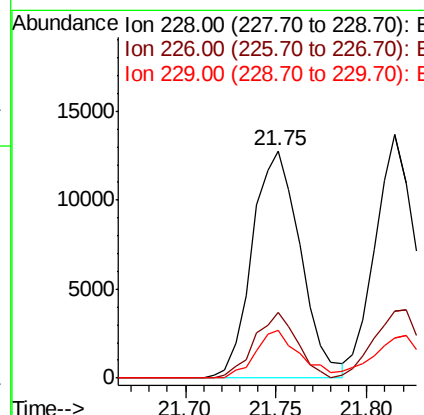
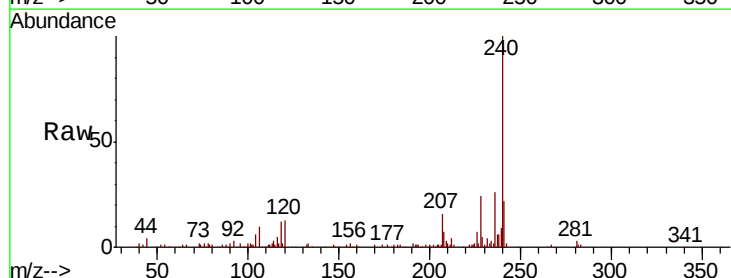
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

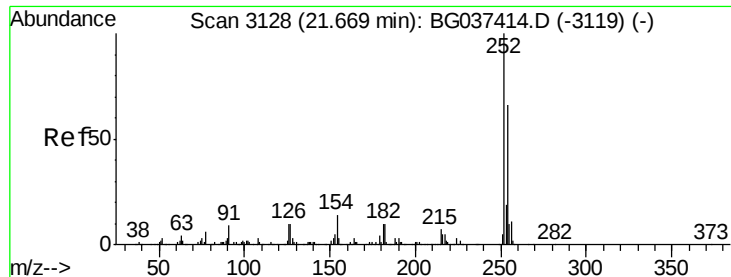
Tot Ion	Ratio	Lower	Upper
149	100		
91	65.8	57.0	85.4
206	21.1	17.8	26.6



#81
Benzo(a)anthracene
Concen: 1.089 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	21.0	16.3	24.5





#82

3,3'-Dichlorobenzidine

Concen: 0.530 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

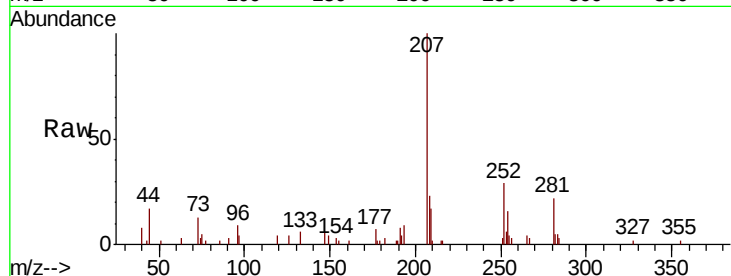
Tot Ion:252 Resp: 4458

Ion Ratio Lower Upper

252 100

254 69.0 52.0 78.0

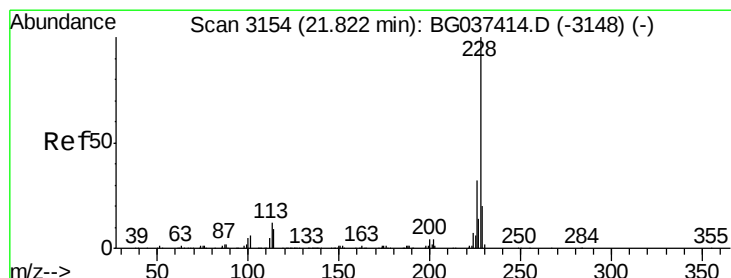
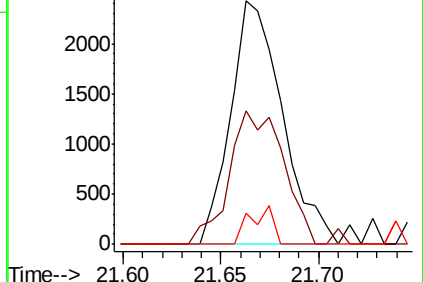
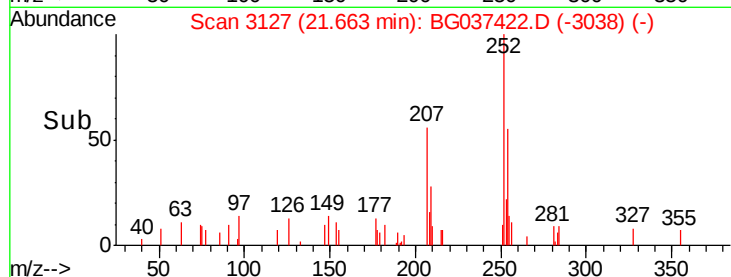
126 12.6 8.2 12.4#



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: 1.051 ng

RT: 21.82 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

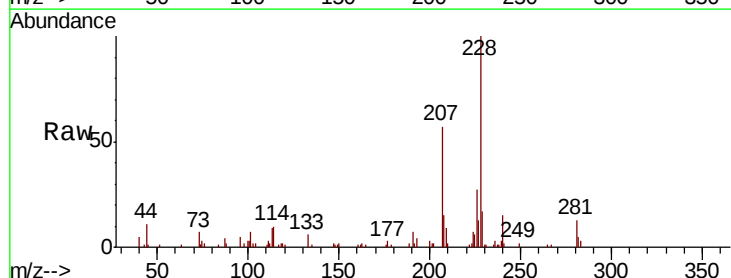
Tgt Ion:228 Resp: 21921

Ion Ratio Lower Upper

228 100

226 27.3 25.7 38.5

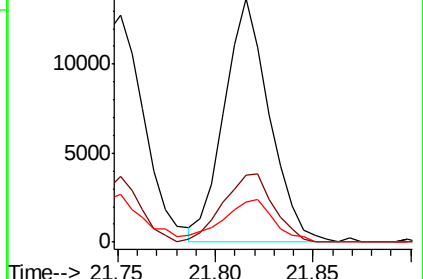
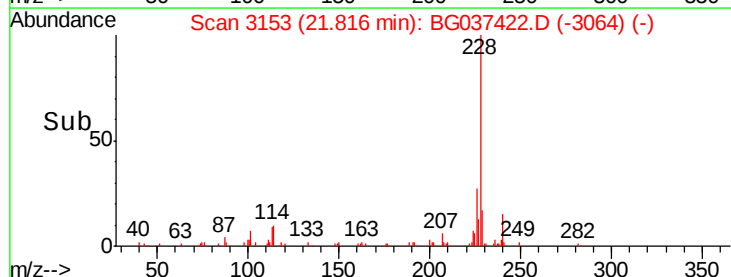
229 16.6 16.5 24.7

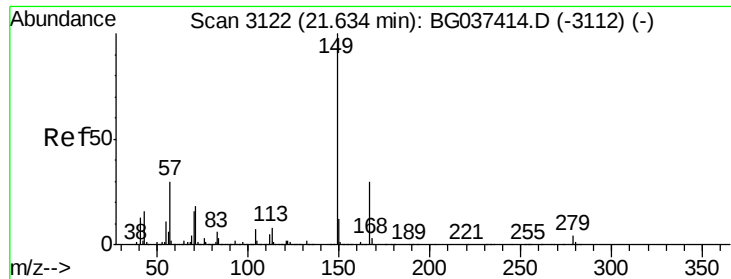


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.740 ng

RT: 21.63 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

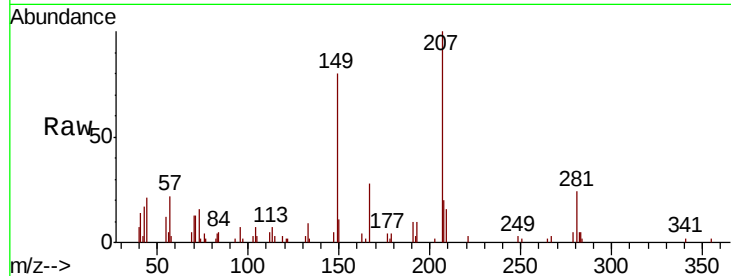
Tot Ion:149 Resp: 10186

Ion Ratio Lower Upper

149 100

167 34.5 23.0 34.4#

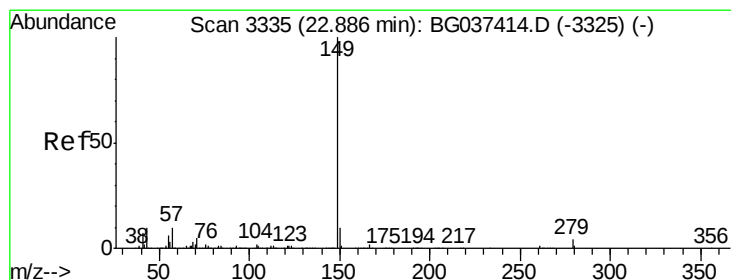
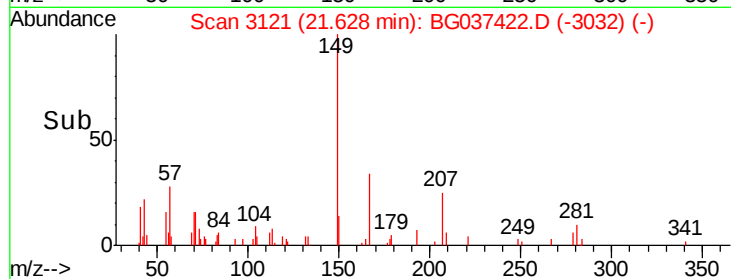
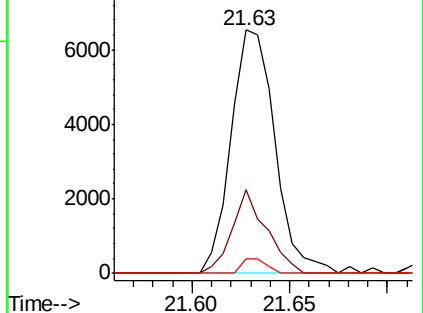
279 5.8 3.6 5.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.696 ng

RT: 22.89 min Scan# 3335

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

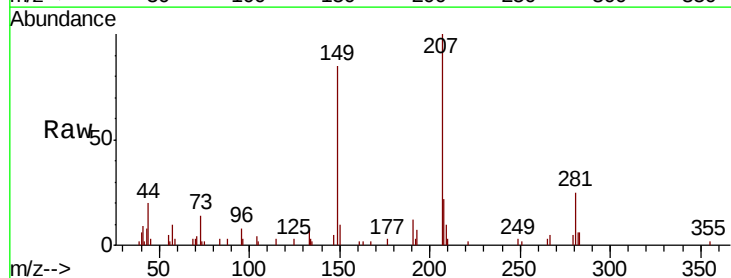
Tgt Ion:149 Resp: 15624

Ion Ratio Lower Upper

149 100

167 0.4 1.3 1.9#

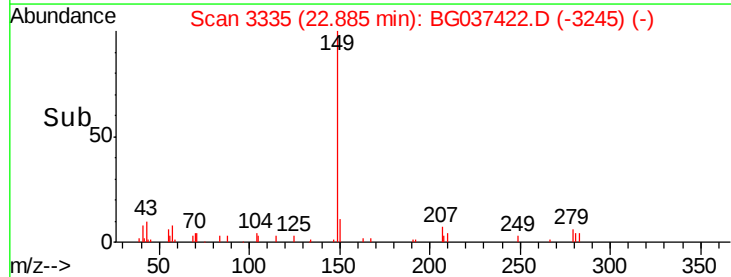
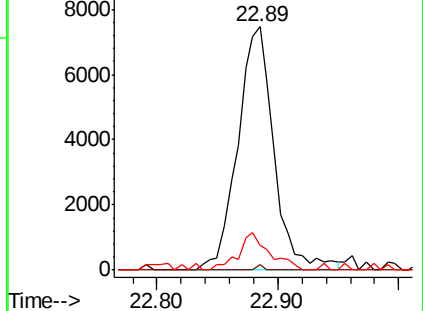
43 13.2 8.7 13.1#

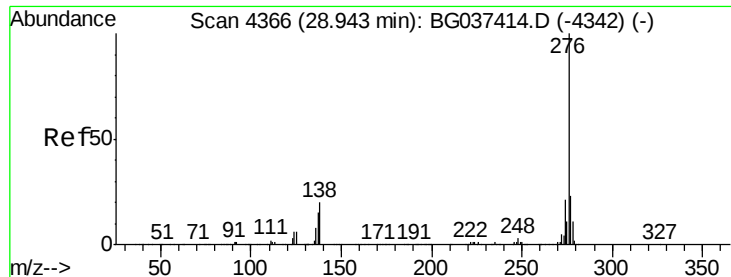


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC

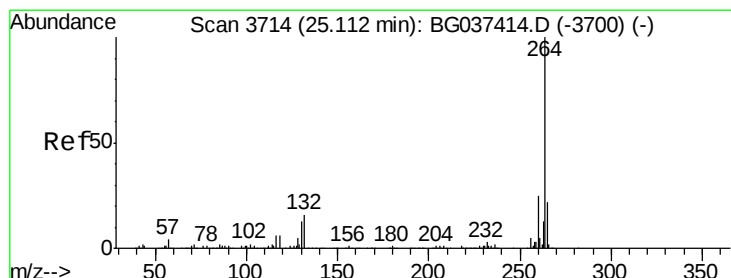
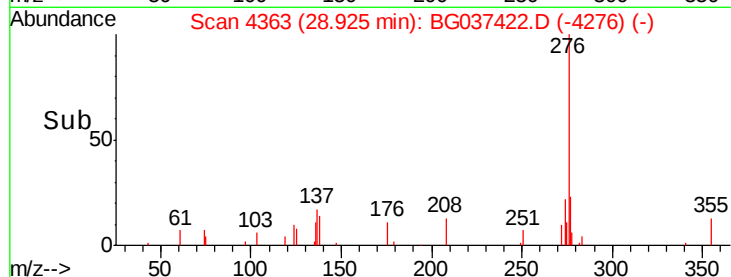
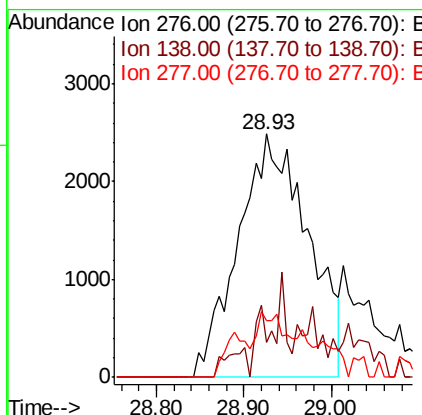
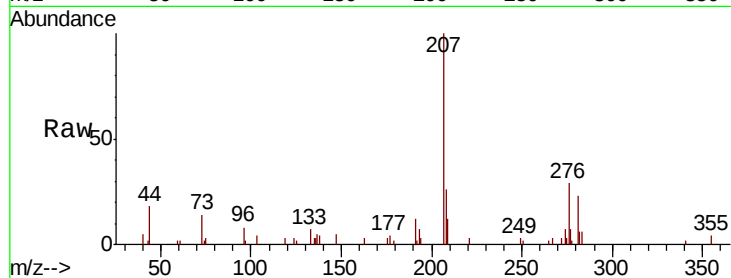




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.611 ng
 RT: 28.93 min Scan# 4363
 Delta R.T. -0.02 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

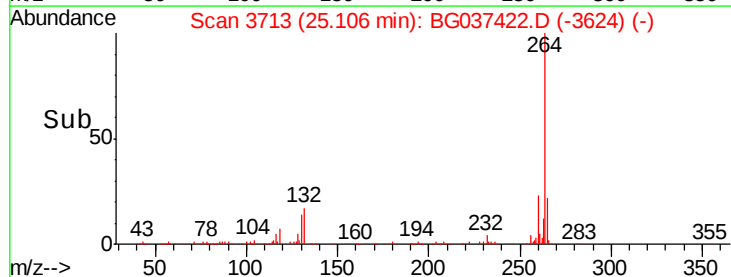
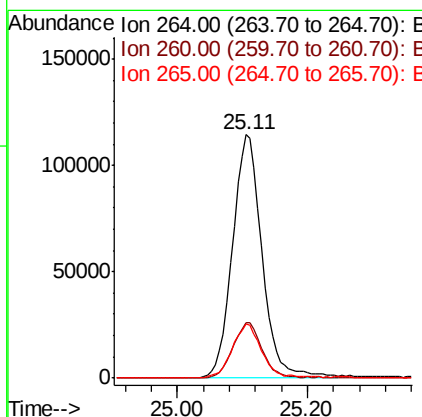
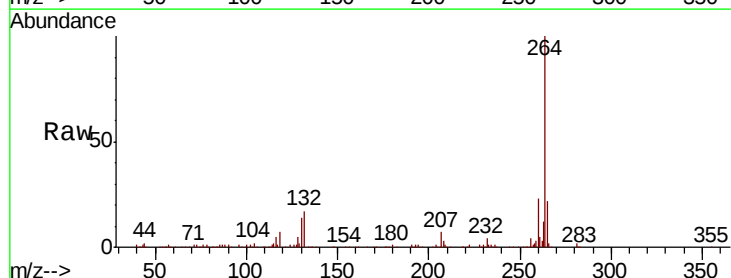
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

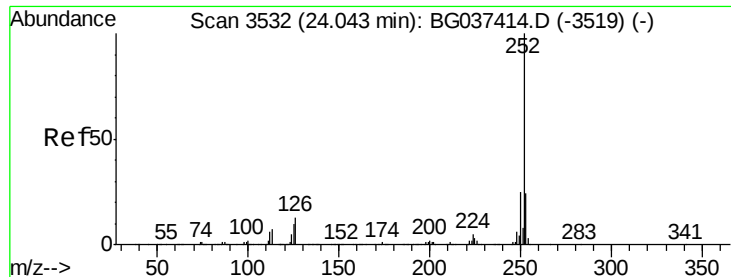
Tot Ion:276 Resp: 13670
 Ion Ratio Lower Upper
 276 100
 138 4.3 12.0 18.0#
 277 6.1 20.6 30.8#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.11 min Scan# 3713
 Delta R.T. -0.01 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

Tgt Ion:264 Resp: 360442
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.2 27.4
 265 22.2 17.9 26.9

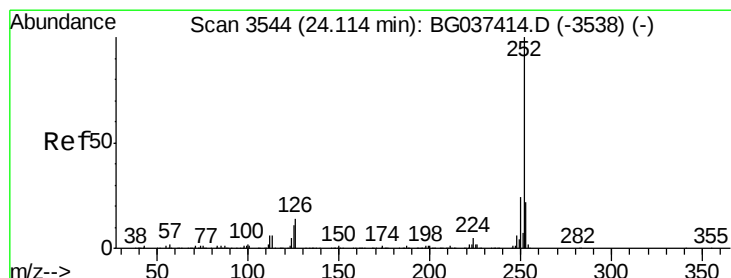
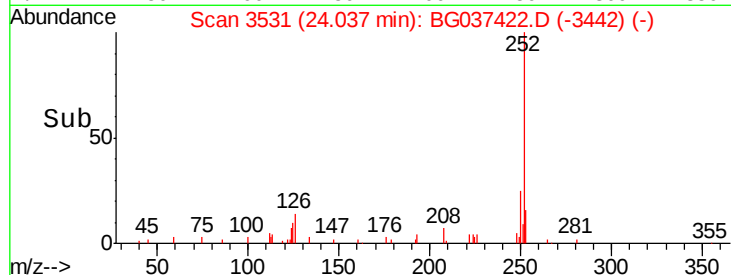
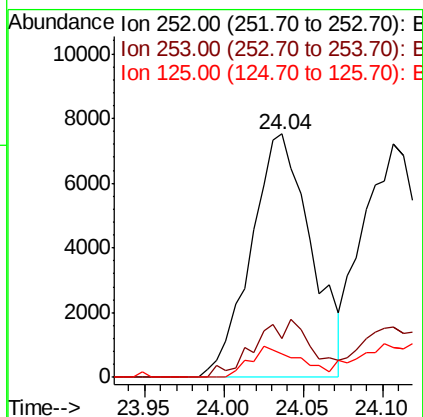
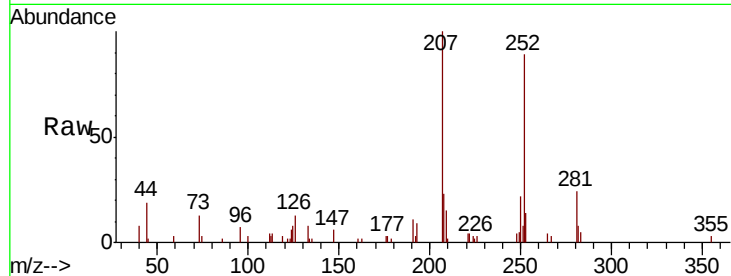




#88
Benzo(b)fluoranthene
Concen: 1.001 ng
RT: 24.04 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

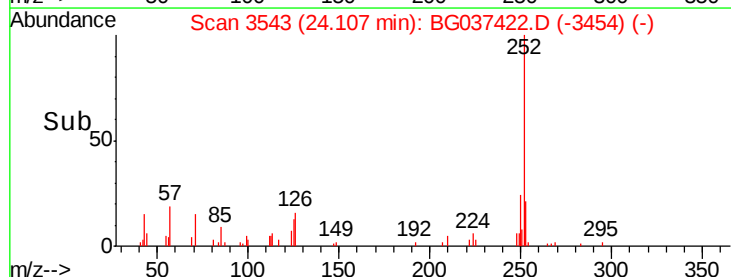
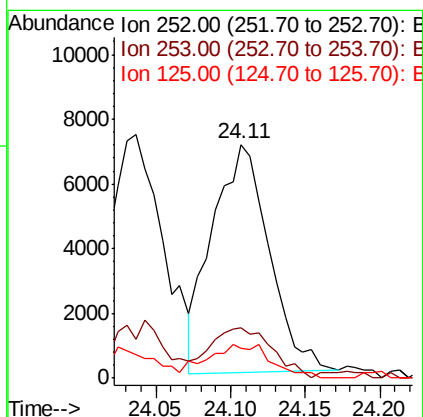
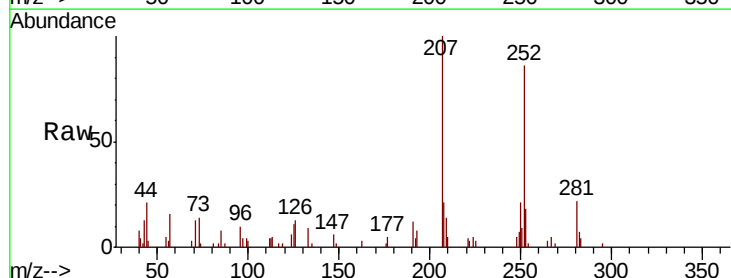
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

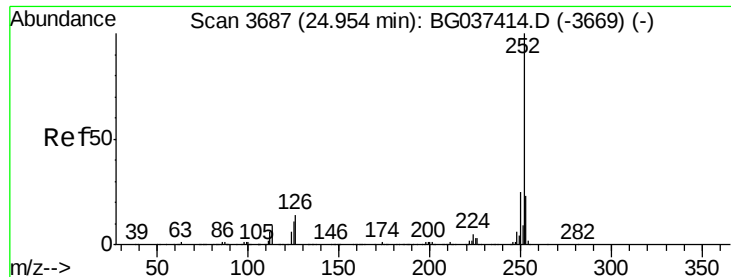
Tot Ion:252 Resp: 19776
Ion Ratio Lower Upper
252 100
253 16.0 18.2 27.2#
125 9.6 7.8 11.6



#89
Benzo(k)fluoranthene
Concen: 0.966 ng
RT: 24.11 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:252 Resp: 18705
Ion Ratio Lower Upper
252 100
253 21.3 17.4 26.2
125 12.7 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 0.966 ng

RT: 24.94 min Scan# 3685

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

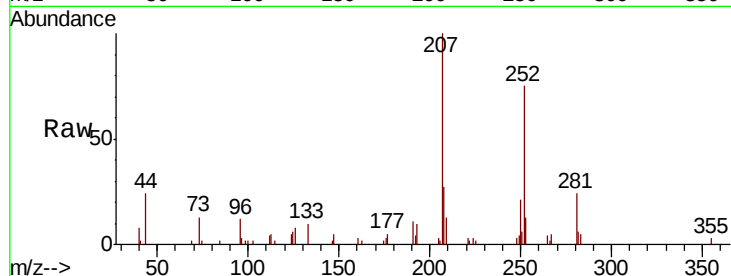
Tot Ion:252 Resp: 18145

Ion Ratio Lower Upper

252 100

253 17.7 17.4 26.2

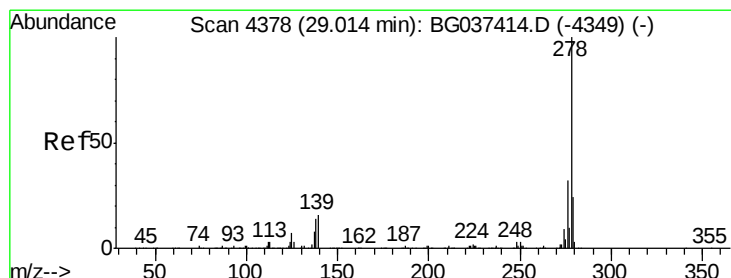
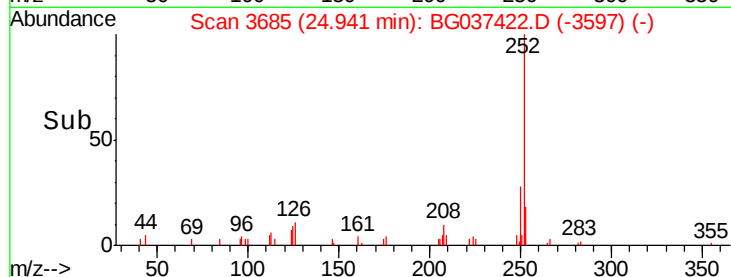
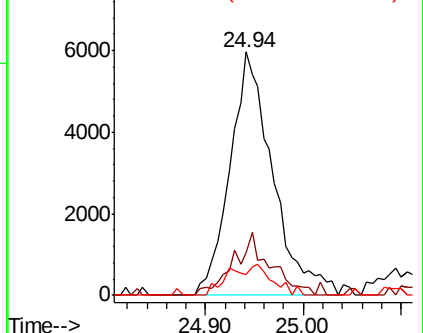
125 8.7 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.603 ng

RT: 29.01 min Scan# 4377

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

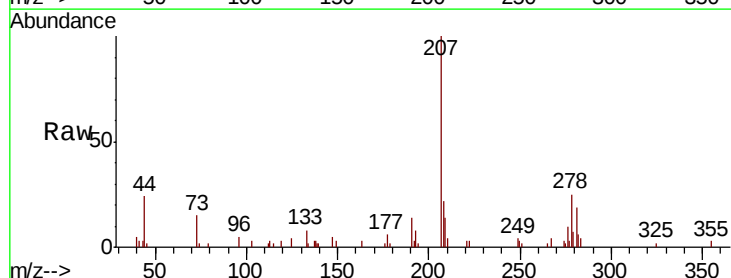
Tgt Ion:278 Resp: 10453

Ion Ratio Lower Upper

278 100

139 16.8 11.5 17.3

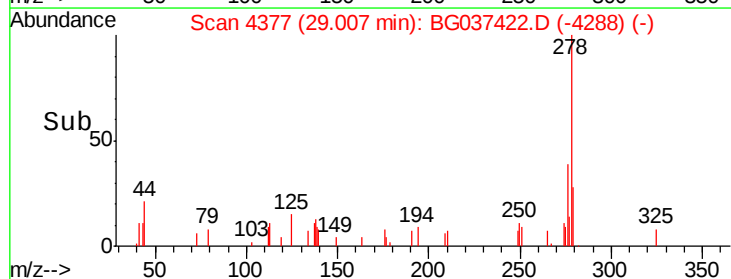
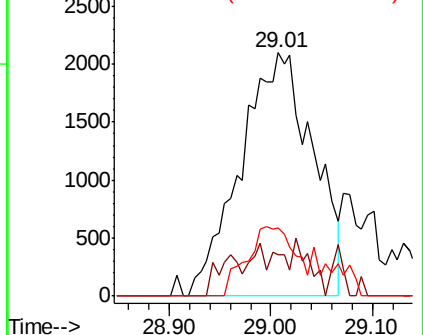
279 28.0 18.6 27.8#

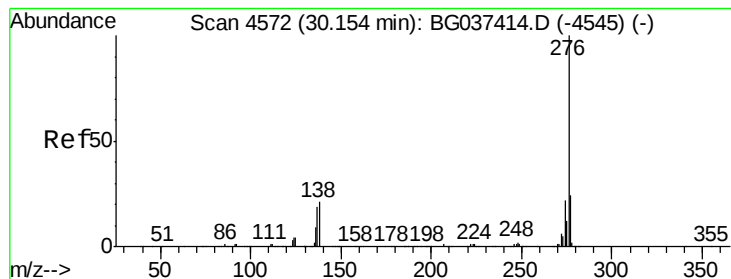


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 0.421 ng

RT: 30.12 min Scan# 4566

Delta R.T. -0.04 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

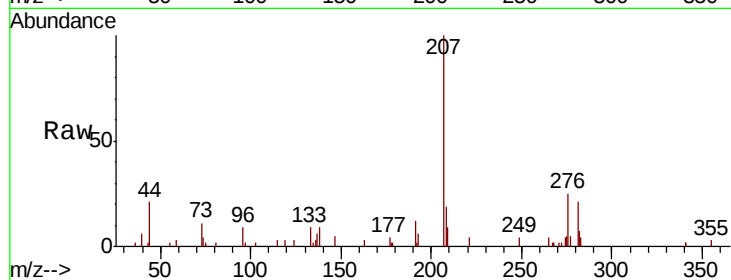
Tot Ion: 276 Resp: 7374

Ion Ratio Lower Upper

276 100

277 20.2 18.9 28.3

138 34.6 17.2 25.8#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

