

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037423.D
 Acq On : 18 Oct 2018 17:19
 Operator : JU/SJ
 Sample : J5164-01
 Misc : LOD 2 PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Oct 19 06:57:54 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	48805	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	229909	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	154313	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	385297	20.00	ng	0.00
76) Chrysene-d12	21.77	240	358446	20.00	ng	0.00
87) Perylene-d12	25.11	264	357615	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	398715	136.58	ng	0.00
7) Phenol-d6	7.24	99	588010	133.21	ng	0.00
23) Nitrobenzene-d5	9.28	82	336780	82.06	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	236544	140.54	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	841926	82.27	ng	0.00
79) Terphenyl-d14	20.09	244	1317310	78.53	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.54	88	3406	2.301	ng	# 83
3) Pyridine	3.95	79	7189	1.927	ng	# 84
4) n-Nitrosodimethylamine	3.87	42	2759	2.076	ng	# 93
6) Aniline	7.43	93	5698	1.058	ng	94
8) 2-Chlorophenol	7.67	128	6783	1.986	ng	97
9) Benzaldehyde	7.25	77	5616	2.034	ng	84
10) Phenol	7.27	94	9740	2.091	ng	# 60
11) bis(2-Chloroethyl)ether	7.52	93	7211	2.039	ng	86
12) 1,3-Dichlorobenzene	8.00	146	7794	2.050	ng	90
13) 1,4-Dichlorobenzene	8.14	146	7764	1.996	ng	95
14) 1,2-Dichlorobenzene	8.47	146	8028	2.146	ng	99
15) Benzyl Alcohol	8.34	79	5815	1.783	ng	88
16) 2,2'-oxybis(1-Chloropropan	8.63	45	12856	2.031	ng	96
17) 2-Methylphenol	8.54	107	6142	1.995	ng	# 86
18) Hexachloroethane	9.20	117	2700	2.036	ng	86
19) n-Nitroso-di-n-propylamine	8.91	70	5936	1.953	ng	88
20) 3+4-Methylphenols	8.86	107	8684	1.973	ng	94
22) Acetophenone	8.94	105	11126	1.930	ng	# 93
24) Nitrobenzene	9.32	77	9000	2.111	ng	96
25) Isophorone	9.84	82	15636	2.085	ng	96
26) 2-Nitrophenol	10.04	139	2895	1.507	ng	92
27) 2,4-Dimethylphenol	10.08	122	6868	2.003	ng	89
28) bis(2-Chloroethoxy)methane	10.32	93	10040	2.043	ng	# 91
29) 2,4-Dichlorophenol	10.56	162	6304	1.651	ng	86
30) 1,2,4-Trichlorobenzene	10.79	180	7918	1.907	ng	# 84
31) Naphthalene	10.98	128	24732	2.190	ng	# 93
32) Benzoic acid	10.12	122	469	0.211	ng	# 30
33) 4-Chloroaniline	11.09	127	6750	1.272	ng	# 90
34) Hexachlorobutadiene	11.25	225	4548	1.848	ng	# 86
35) Caprolactam	11.85	113	2102	1.373	ng	93
36) 4-Chloro-3-methylphenol	12.19	107	7651	1.777	ng	# 85
37) 2-Methylnaphthalene	12.80	142	17641	2.143	ng	95
38) 1-Methylnaphthalene	12.80	142	17641	2.207	ng	# 98
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	9655	1.940	ng	98

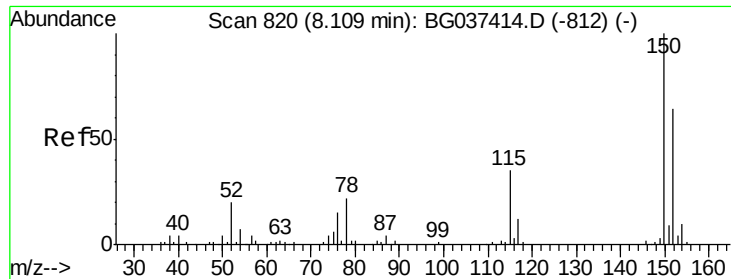
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037423.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.90	237	4002	1.683	nq	93
43) 2,4,6-Trichlorophenol	13.17	196	5377	1.617	nq	89
44) 2,4,5-Trichlorophenol	13.24	196	6308	1.742	nq	90
46) 1,1'-Biphenyl	13.58	154	25581	2.002	nq	96
47) 2-Chloronaphthalene	13.63	162	19645	2.032	nq	95
48) 2-Nitroaniline	13.83	65	5034	1.717	nq	91
49) Acenaphthylene	14.47	152	31283	2.151	nq	96
50) Dimethylphthalate	14.18	163	25340	2.123	nq	99
51) 2,6-Dinitrotoluene	14.32	165	4370	1.655	nq #	81
52) Acenaphthene	14.81	154	19106	2.133	nq	97
53) 3-Nitroaniline	14.65	138	4025	1.373	nq #	93
55) Dibenzofuran	15.14	168	32874	2.215	nq	94
56) 4-Nitrophenol	14.94	139	1819	0.838	nq	100
57) 2,4-Dinitrotoluene	15.09	165	5419	1.563	nq #	97
58) Fluorene	15.78	166	25413	2.287	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.35	232	5079	1.638	nq #	96
60) Diethylphthalate	15.54	149	25754	2.101	nq	93
61) 4-Chlorophenyl-phenylether	15.78	204	12652	1.953	nq #	90
62) 4-Nitroaniline	15.81	138	4359	1.496	nq	92
63) Azobenzene	16.07	77	23903	2.044	nq	96
65) 4,6-Dinitro-2-methylphenol	16.22	198	883	8.867	nq	90
66) n-Nitrosodiphenylamine	15.99	169	22360	1.929	nq	97
67) 4-Bromophenyl-phenylether	16.67	248	8281	1.957	nq	91
68) Hexachlorobenzene	16.78	284	8329	1.899	nq	98
69) Atrazine	16.93	200	7255	1.731	nq	91
70) Pentachlorophenol	17.12	266	1636	0.557	nq	95
71) Phenanthrene	17.53	178	44771	2.286	nq	99
72) Anthracene	17.62	178	43267	2.251	nq	97
73) Carbazole	17.89	167	35502	1.847	nq	97
74) Di-n-butylphthalate	18.43	149	38968	1.822	nq #	96
75) Fluoranthene	19.53	202	47686	2.147	nq	97
77) Benzidine	19.72	184	4302	0.353	nq #	93
78) Pyrene	19.89	202	48765	2.081	nq	98
80) Butylbenzylphthalate	20.77	149	15295	1.595	nq #	94
81) Benzo(a)anthracene	21.75	228	45223	2.133	nq	95
82) 3,3'-Dichlorobenzidine	21.66	252	9316	1.134	nq	100
83) Chrysene	21.82	228	44053	2.161	nq	98
84) Bis(2-ethylhexyl)phthalate	21.63	149	21668	1.612	nq #	96
85) Di-n-octyl phthalate	22.88	149	34218	1.561	nq	99
86) Indeno(1,2,3-cd)pyrene	28.93	276	25438	1.163	nq #	87
88) Benzo(b)fluoranthene	24.03	252	38987	1.989	nq	98
89) Benzo(k)fluoranthene	24.10	252	41490	2.160	nq #	97
90) Benzo(a)pyrene	24.95	252	37421	2.009	nq	96
91) Dibenzo(a,h)anthracene	29.01	278	27902	1.624	nq	94
92) Benzo(g,h,i)perylene	30.13	276	30794	1.771	nq #	93

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

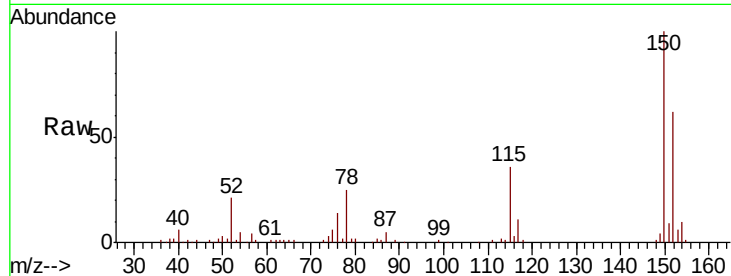


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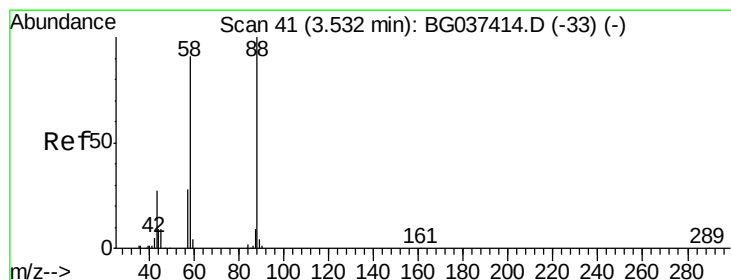
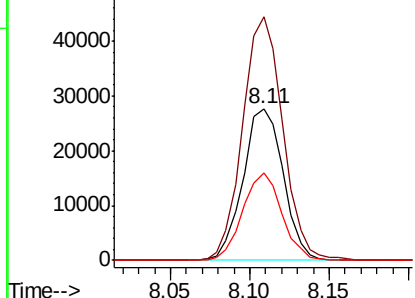
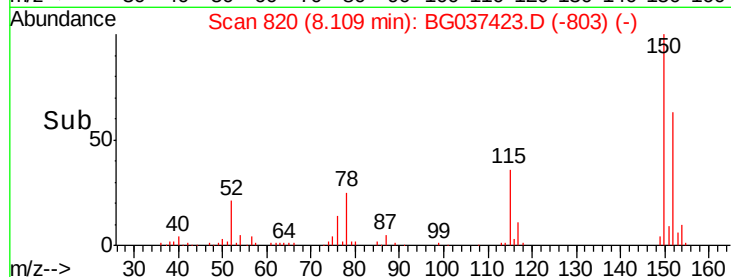
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

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

Tot Ion:152 Resp: 48805
Ion Ratio Lower Upper
152 100
150 160.5 126.0 189.0
115 58.0 45.5 68.3



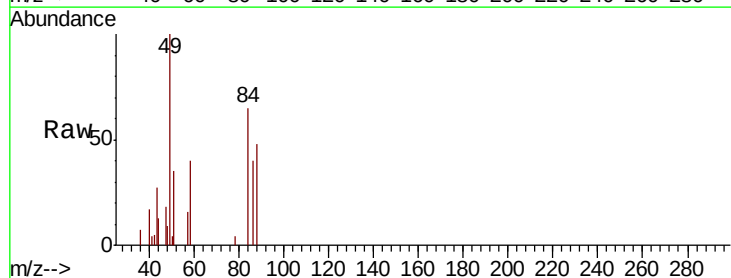
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



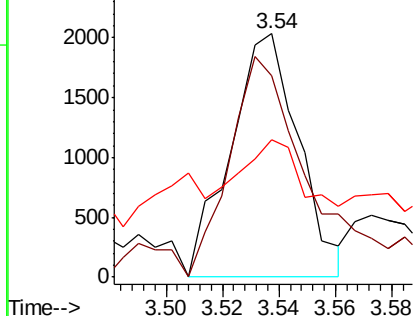
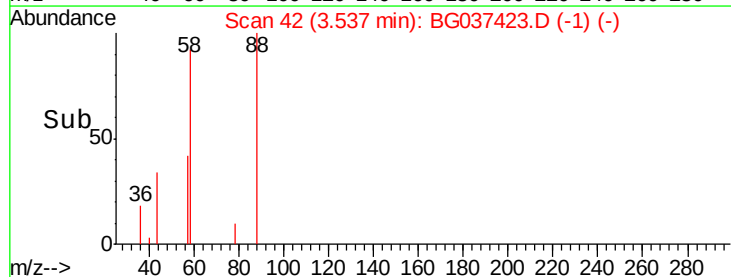
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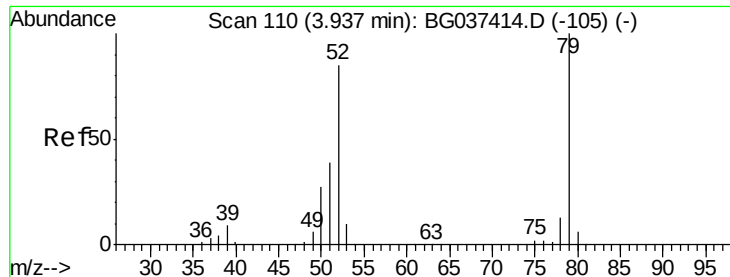
1,4-Dioxane
Concen: 2.301 ng
RT: 3.54 min Scan# 42
Delta R.T. 0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion: 88 Resp: 3406
Ion Ratio Lower Upper
88 100
58 109.5 74.4 111.6
43 22.4 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: 1.927 ng

RT: 3.95 min Scan# 113

Delta R.T. 0.02 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

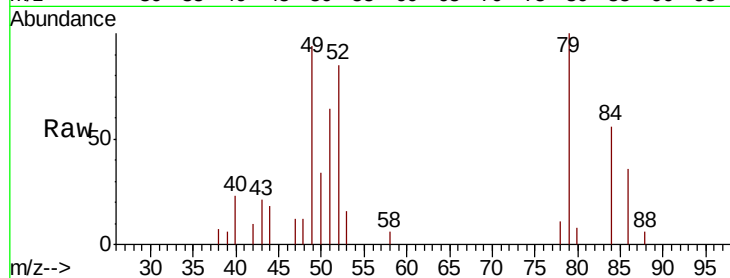
Tot Ion: 79 Resp: 7189

Ion Ratio Lower Upper

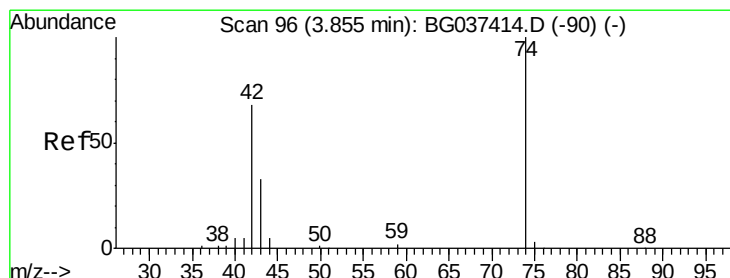
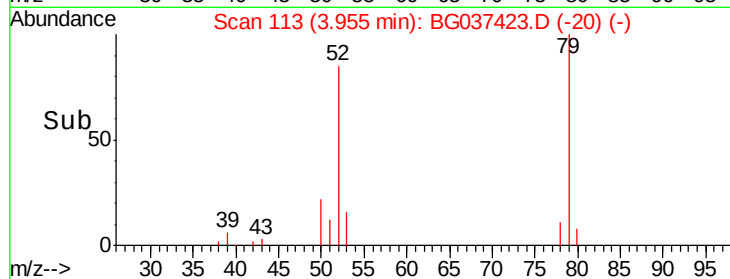
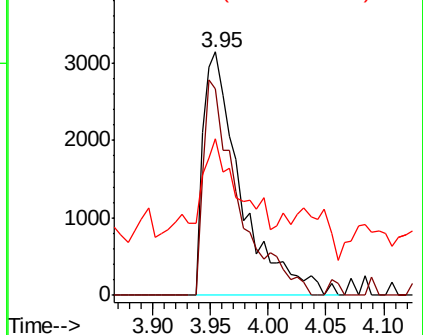
79 100

52 84.7 74.2 111.2

51 64.3 34.6 51.8#



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



#4

n-Nitrosodimethylamine

Concen: 2.076 ng

RT: 3.87 min Scan# 98

Delta R.T. 0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

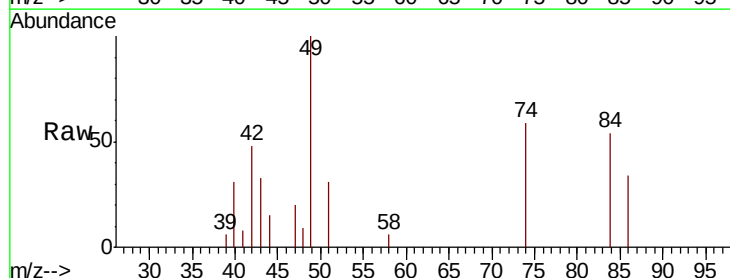
Tgt Ion: 42 Resp: 2759

Ion Ratio Lower Upper

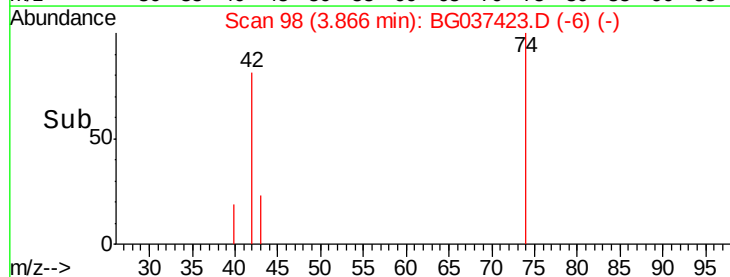
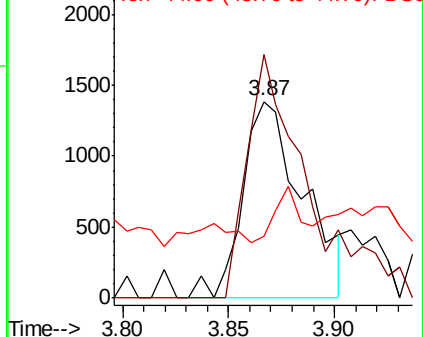
42 100

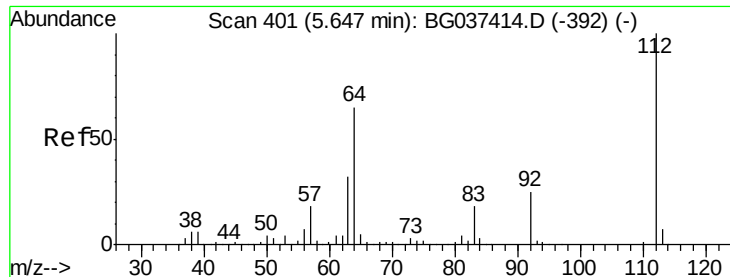
74 124.0 102.0 153.0

44 31.4 9.6 14.4#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 136.583 ng

RT: 5.64 min Scan# 400

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

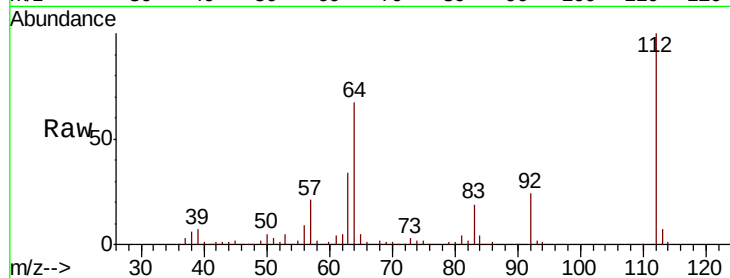
Tot Ion:112 Resp: 398715

Ion Ratio Lower Upper

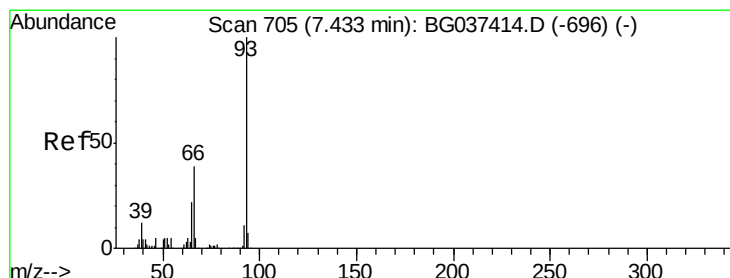
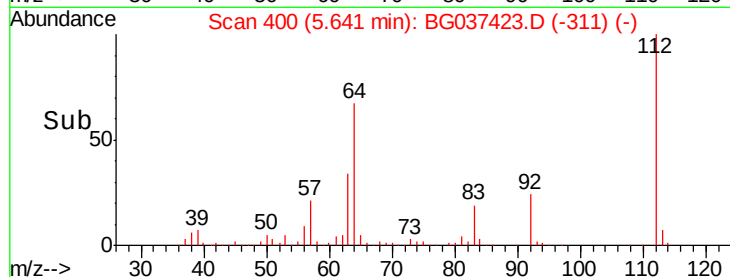
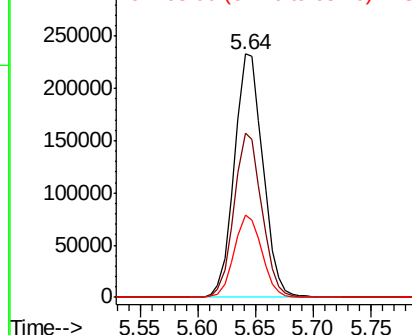
112 100

64 67.3 53.1 79.7

63 33.8 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: 1.058 ng

RT: 7.43 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

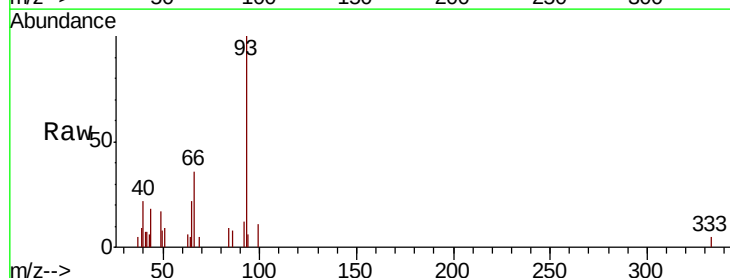
Tgt Ion: 93 Resp: 5698

Ion Ratio Lower Upper

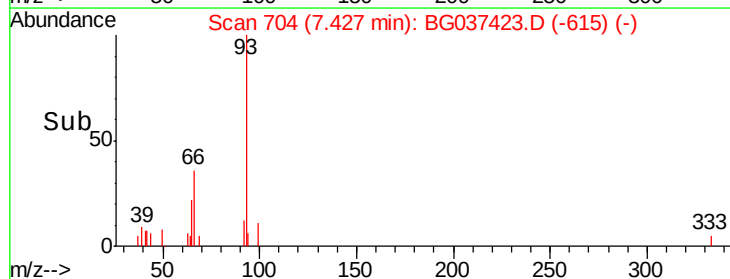
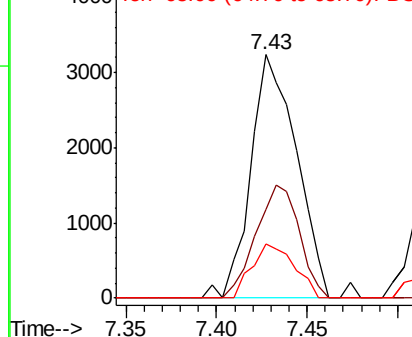
93 100

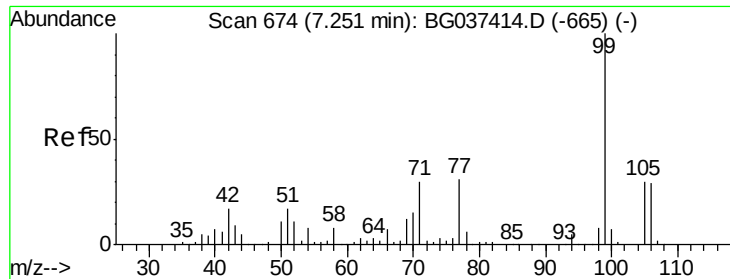
66 36.5 32.8 49.2

65 22.3 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: 133.208 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

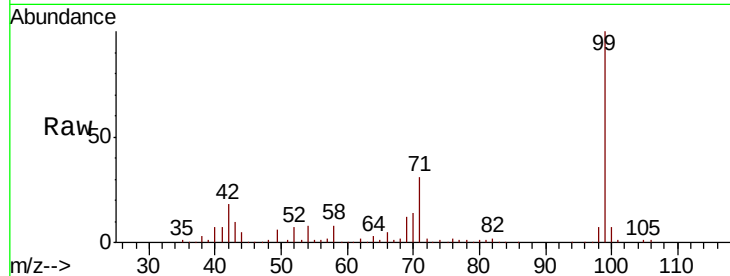
Tot Ion: 99 Resp: 588010

Ion Ratio Lower Upper

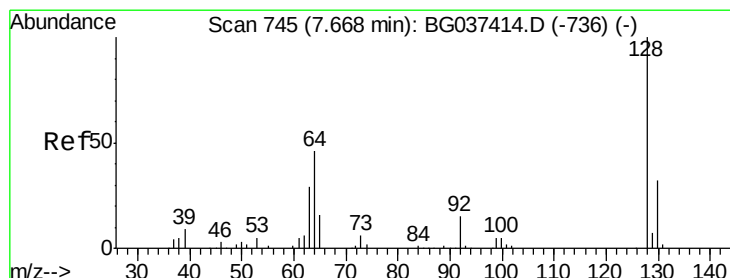
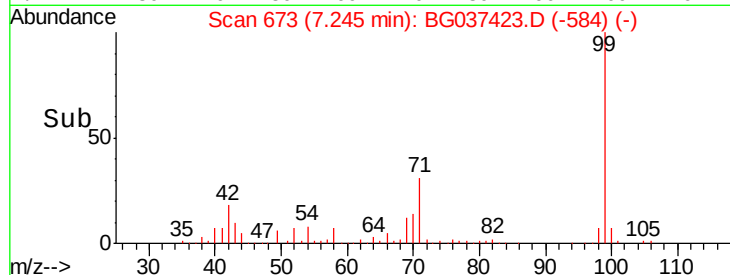
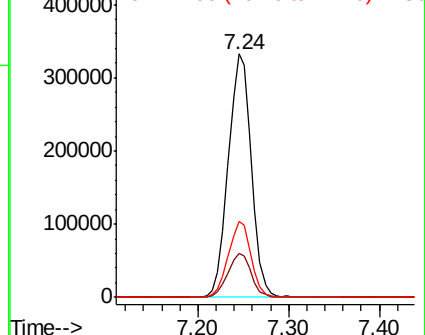
99 100

42 18.2 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: 1.986 ng

RT: 7.67 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

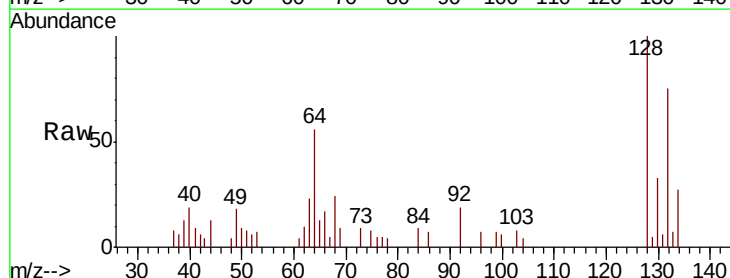
Tgt Ion: 128 Resp: 6783

Ion Ratio Lower Upper

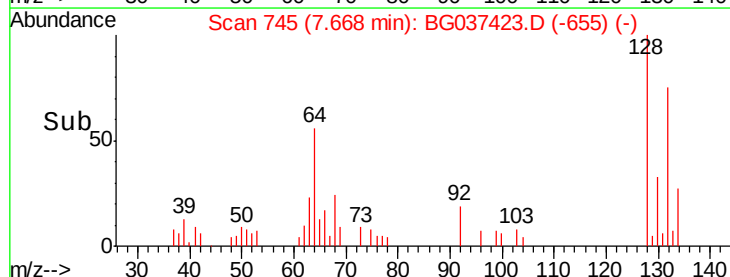
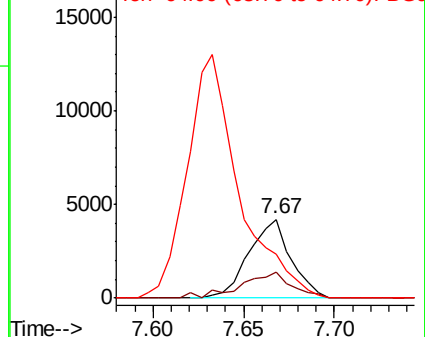
128 100

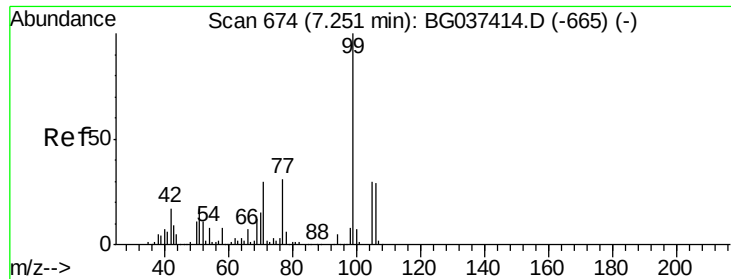
130 32.5 12.0 52.0

64 56.4 32.9 72.9



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





#9

Benzaldehyde

Concen: 2.034 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

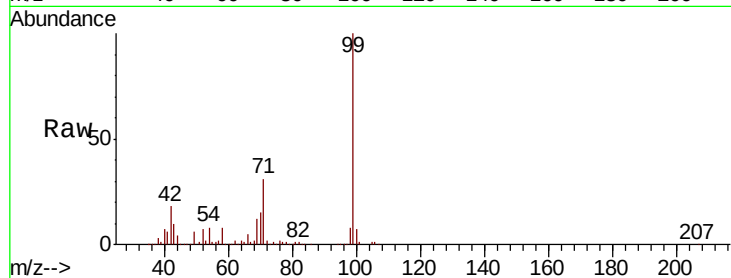
Tot Ion: 77 Resp: 5616

Ion Ratio Lower Upper

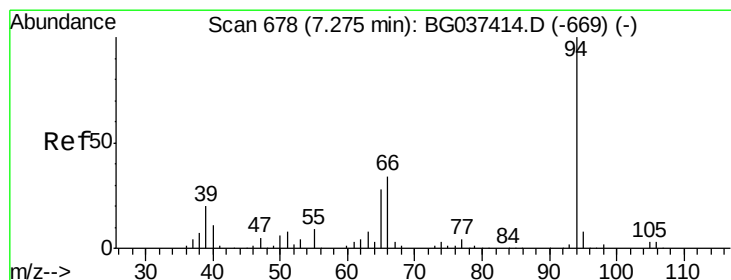
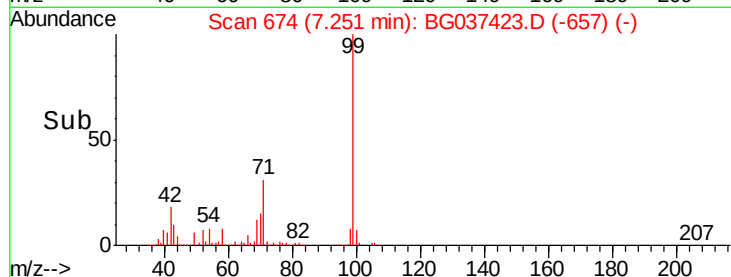
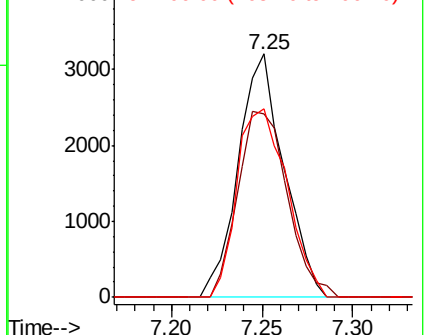
77 100

105 75.4 72.6 112.6

106 77.2 71.3 111.3



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



#10

Phenol

Concen: 2.091 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

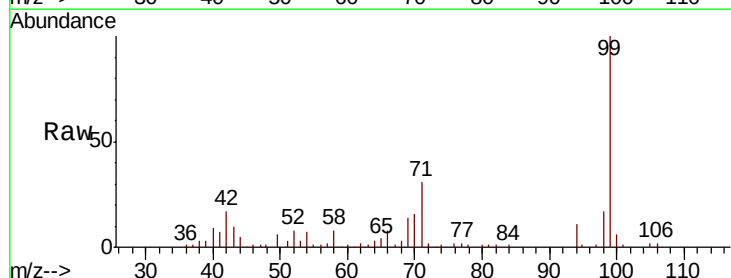
Tgt Ion: 94 Resp: 9740

Ion Ratio Lower Upper

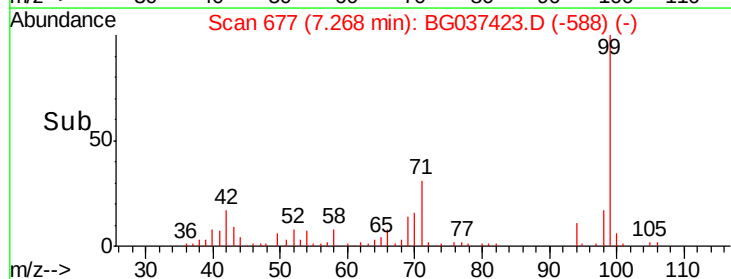
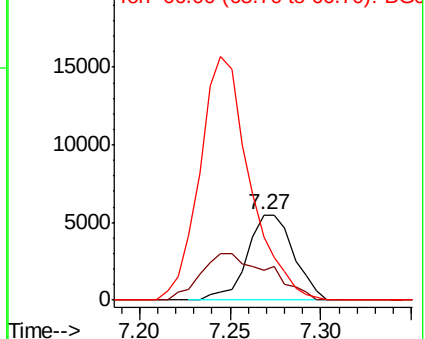
94 100

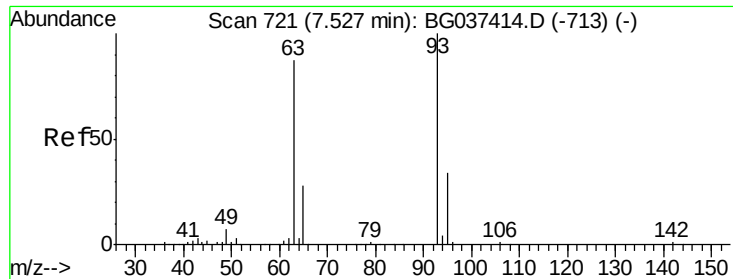
65 35.2 9.7 49.7

66 73.7 15.9 55.9#



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





#11

bis(2-Chloroethyl)ether

Concen: 2.039 ng

RT: 7.52 min Scan# 720

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

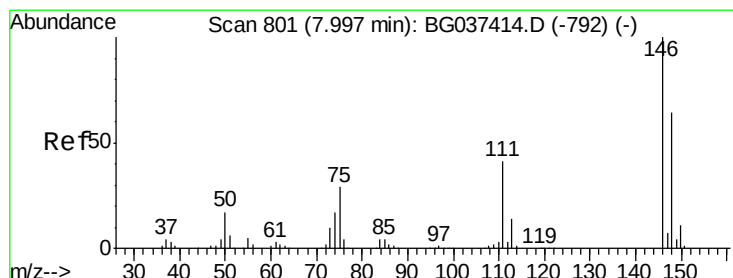
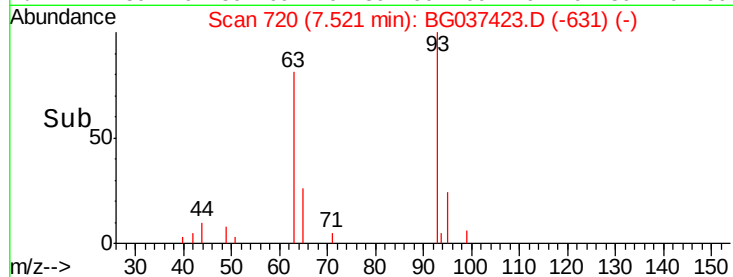
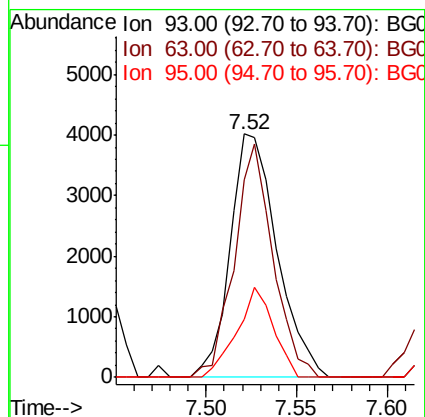
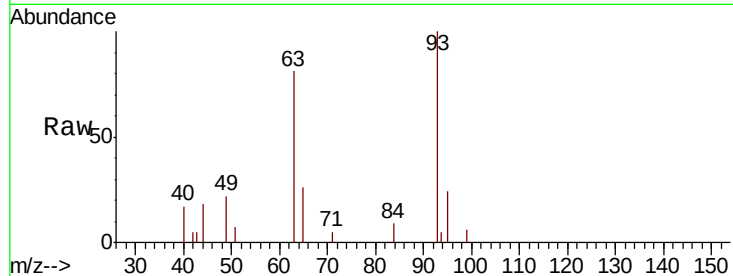
Tot Ion: 93 Resp: 7211

Ion Ratio Lower Upper

93 100

63 77.2 69.5 109.5

95 22.9 12.6 52.6



#12

1,3-Dichlorobenzene

Concen: 2.050 ng

RT: 8.00 min Scan# 801

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

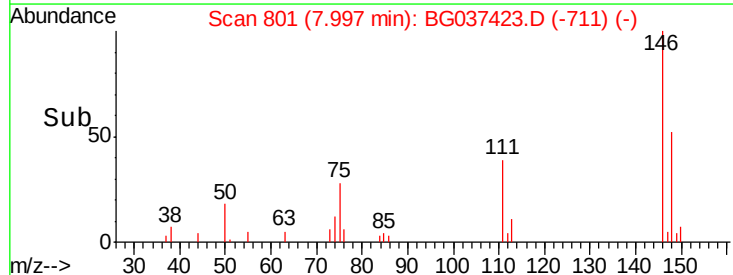
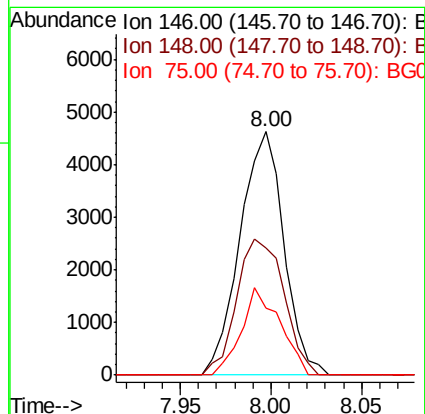
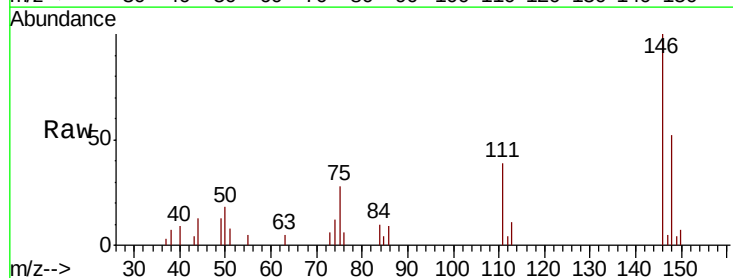
Tgt Ion: 146 Resp: 7794

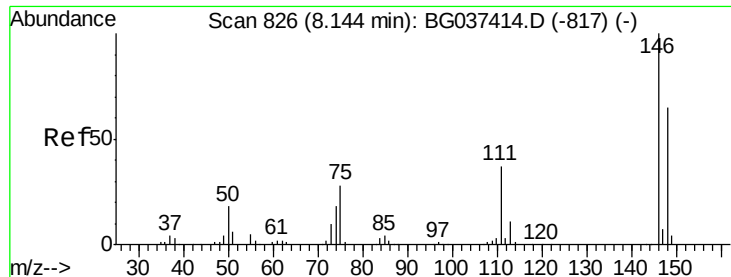
Ion Ratio Lower Upper

146 100

148 52.1 49.8 74.8

75 27.5 23.2 34.8

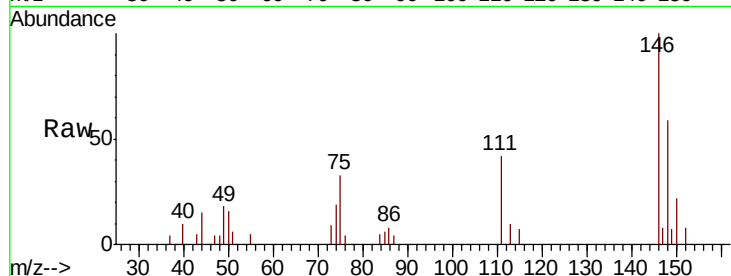




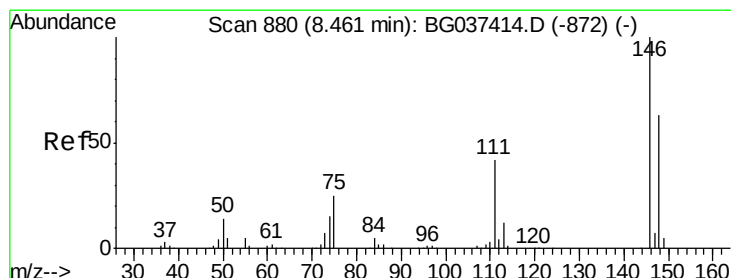
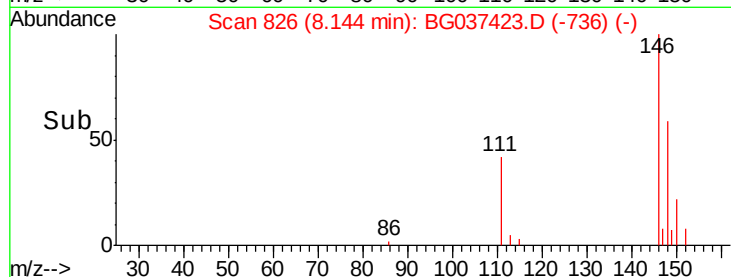
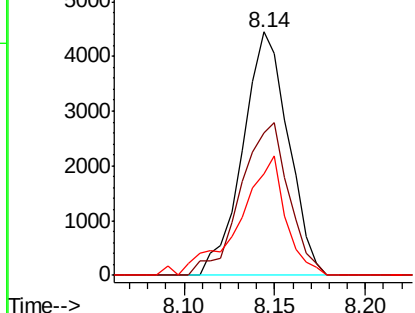
#13
 1,4-Dichlorobenzene
 Concen: 1.996 ng
 RT: 8.14 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

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

Tot Ion:146 Resp: 7764
 Ion Ratio Lower Upper
 146 100
 148 58.5 51.0 76.6
 111 41.7 32.4 48.6

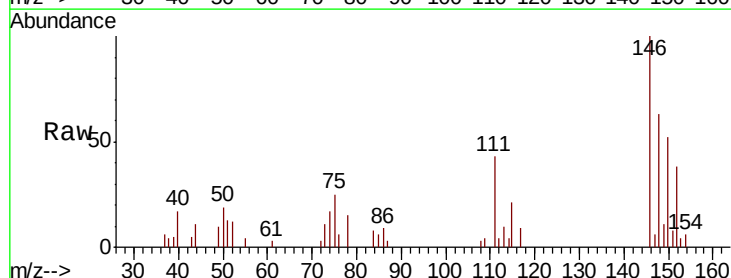


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

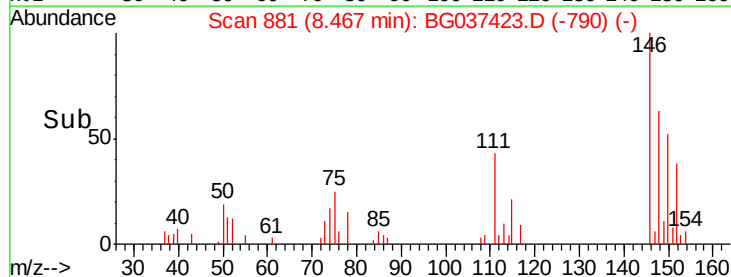
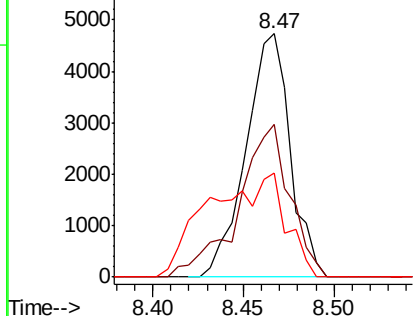


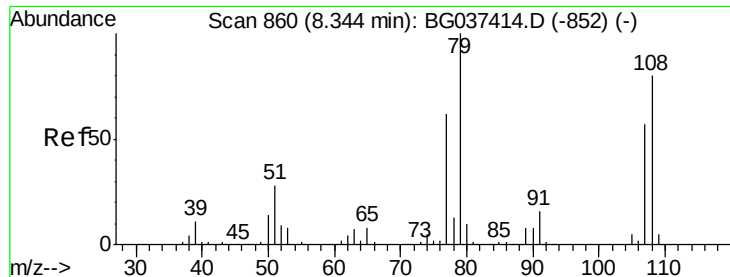
#14
 1,2-Dichlorobenzene
 Concen: 2.146 ng
 RT: 8.47 min Scan# 881
 Delta R.T. 0.01 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

Tgt Ion:146 Resp: 8028
 Ion Ratio Lower Upper
 146 100
 148 62.6 50.4 75.6
 111 42.9 34.6 51.8



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





#15

Benzyl Alcohol

Concen: 1.783 ng

RT: 8.34 min Scan# 860

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

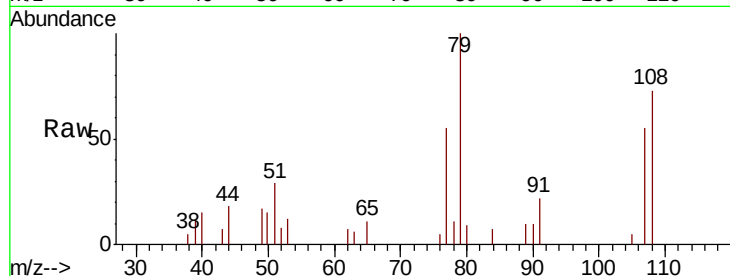
Tot Ion: 79 Resp: 5815

Ion Ratio Lower Upper

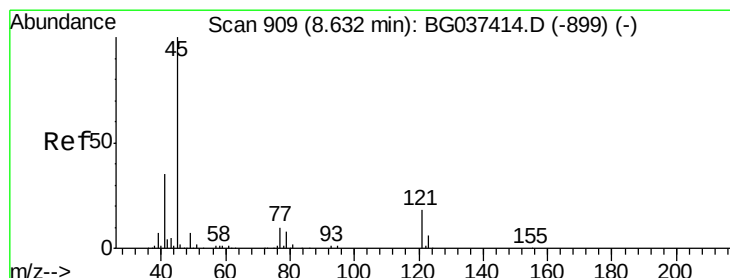
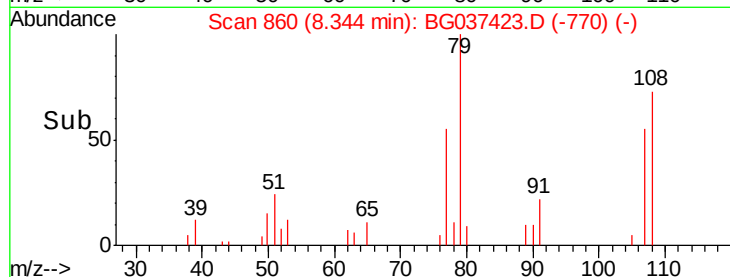
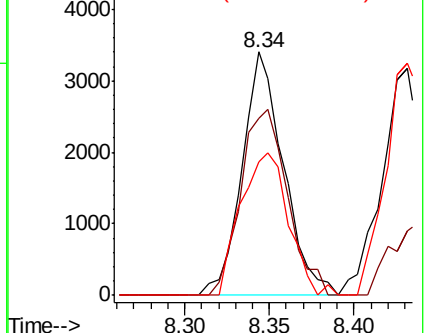
79 100

108 72.9 65.8 98.8

77 54.8 52.9 79.3



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 2.031 ng

RT: 8.63 min Scan# 909

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

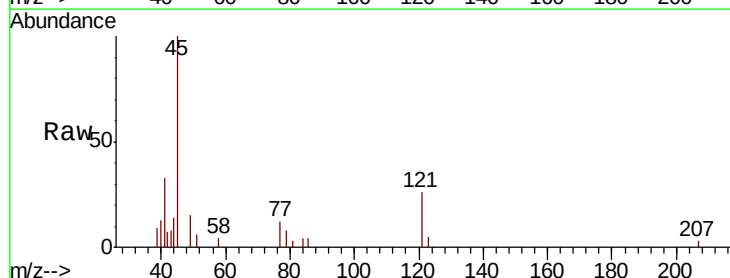
Tgt Ion: 45 Resp: 12856

Ion Ratio Lower Upper

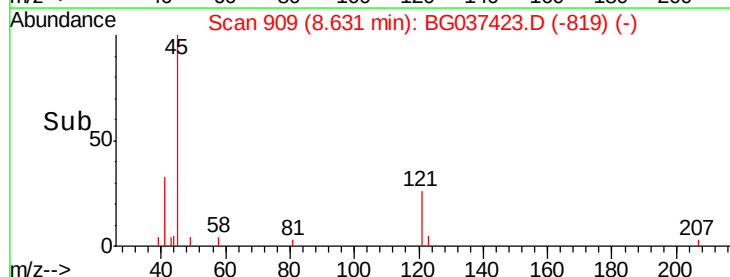
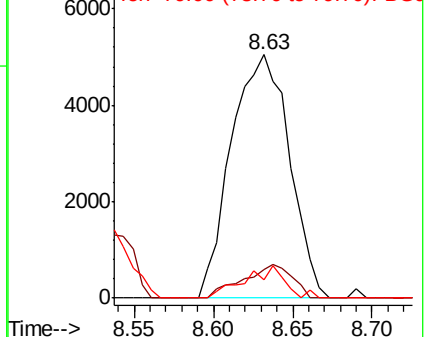
45 100

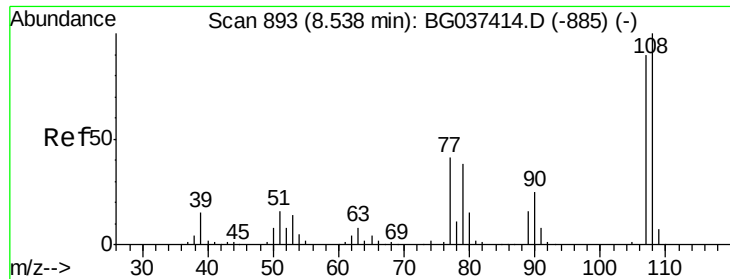
77 11.5 0.0 30.0

79 7.5 0.0 29.0



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

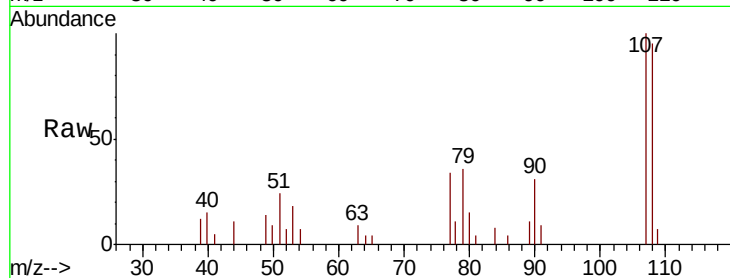




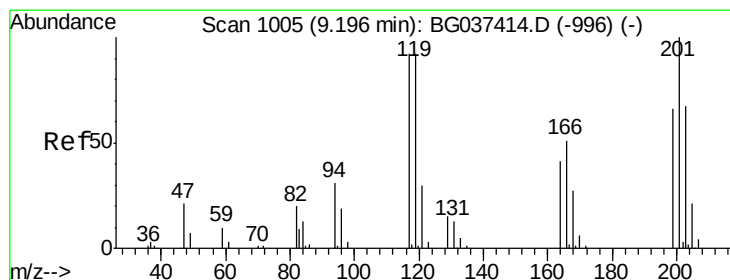
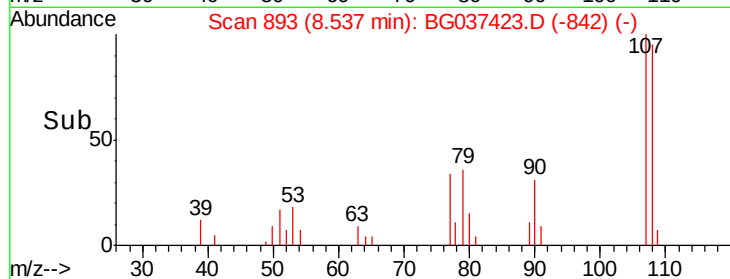
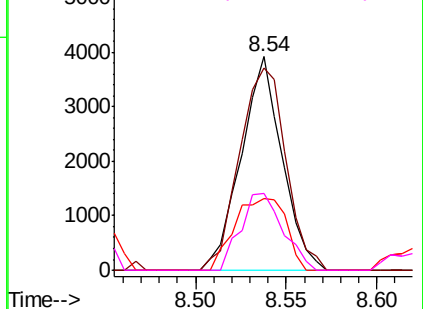
#17
2-Methylphenol
Concen: 1.995 ng
RT: 8.54 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

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

Tot Ion:107 Resp: 6142
Ion Ratio Lower Upper
107 100
108 94.8 87.9 131.9
77 33.6 35.1 52.7#
79 36.2 34.5 51.7

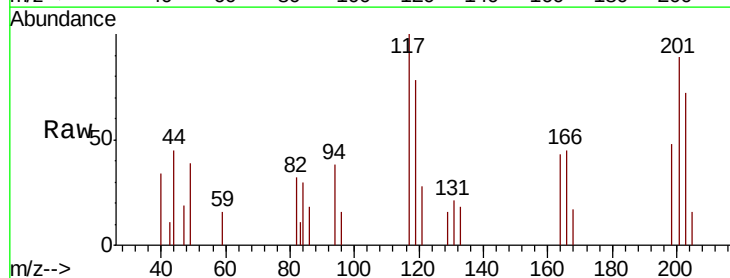


Abundance Ion 107.00 (106.70 to 107.70): E
6000 Ion 108.00 (107.70 to 108.70): E
5000 Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

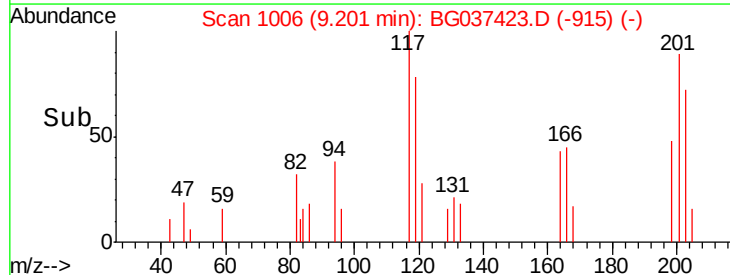
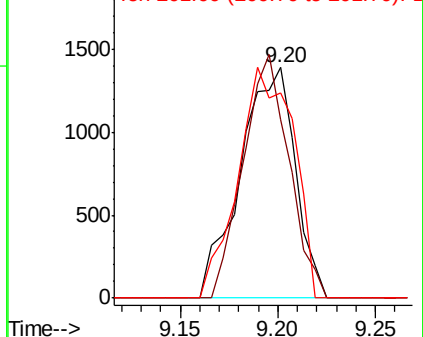


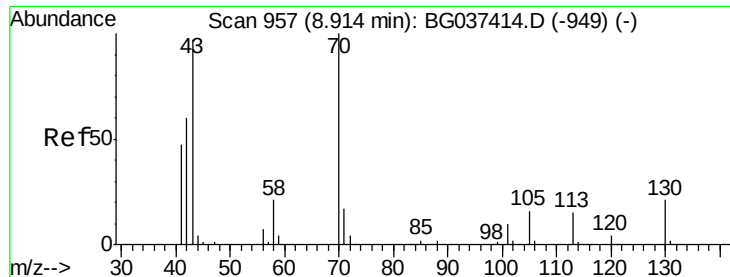
#18
Hexachloroethane
Concen: 2.036 ng
RT: 9.20 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:117 Resp: 2700
Ion Ratio Lower Upper
117 100
119 77.6 74.6 111.8
201 89.3 80.8 121.2



Abundance Ion 117.00 (116.70 to 117.70): E
2000 Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 1.953 ng

RT: 8.91 min Scan# 956

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion: 70 Resp: 5936

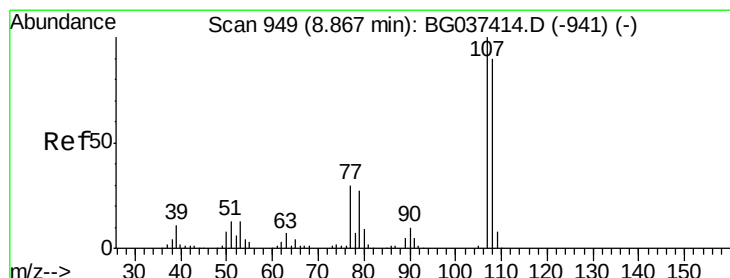
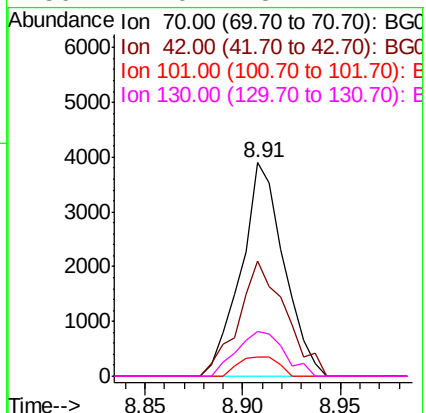
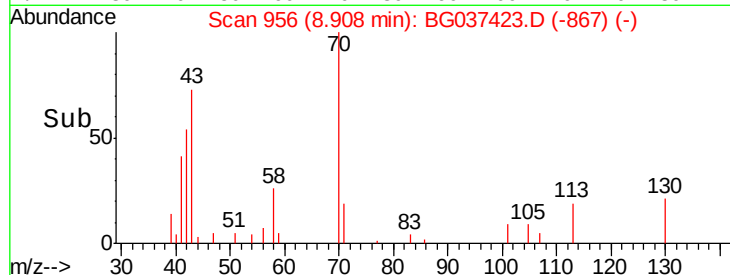
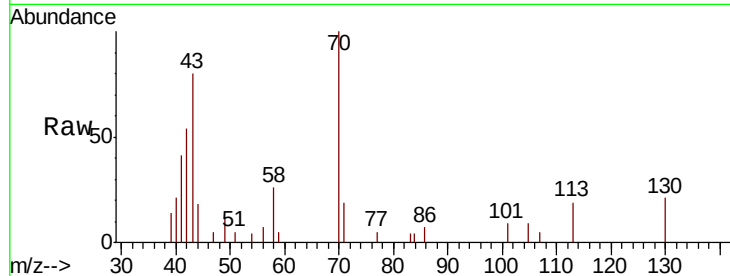
Ion Ratio Lower Upper

70 100

42 54.0 53.9 80.9

101 9.1 8.2 12.2

130 21.0 18.2 27.4



#20

3+4-Methylphenols

Concen: 1.973 ng

RT: 8.86 min Scan# 948

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Tgt Ion: 107 Resp: 8684

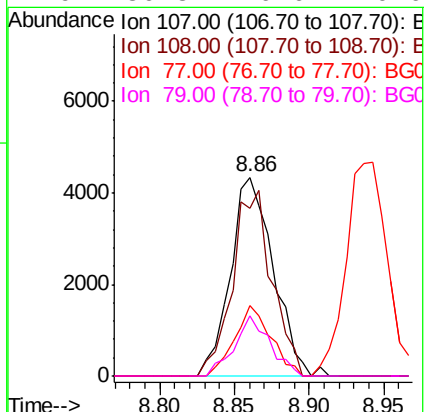
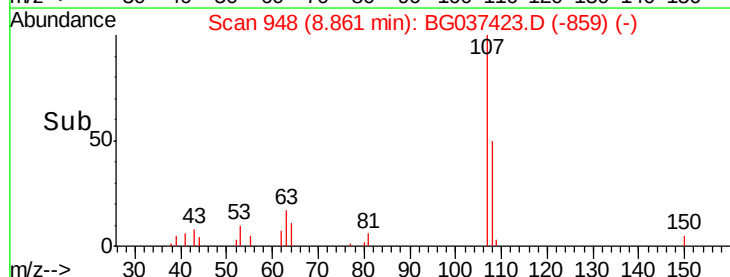
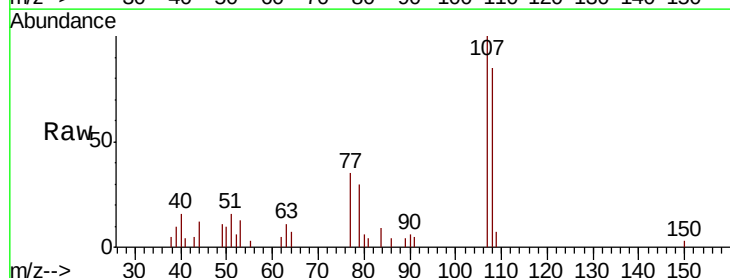
Ion Ratio Lower Upper

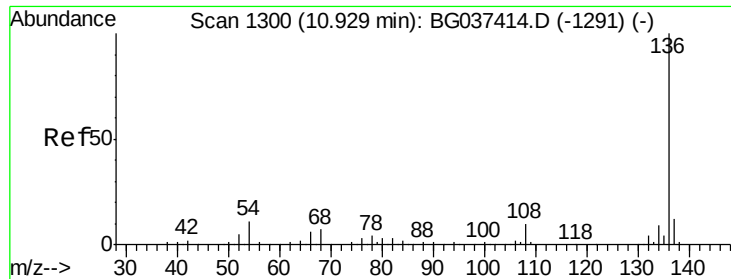
107 100

108 84.6 69.9 109.9

77 35.2 11.2 51.2

79 30.3 6.6 46.6

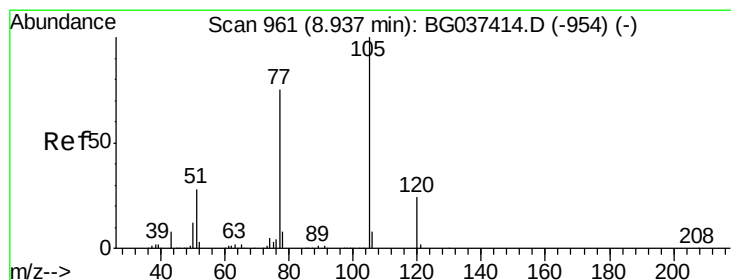
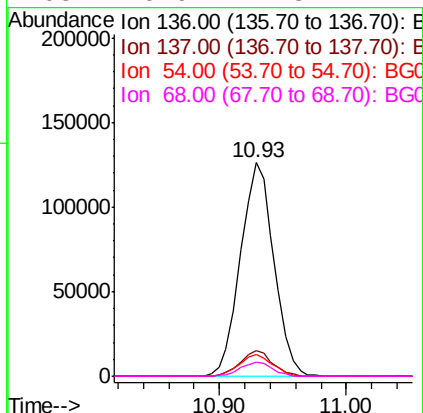
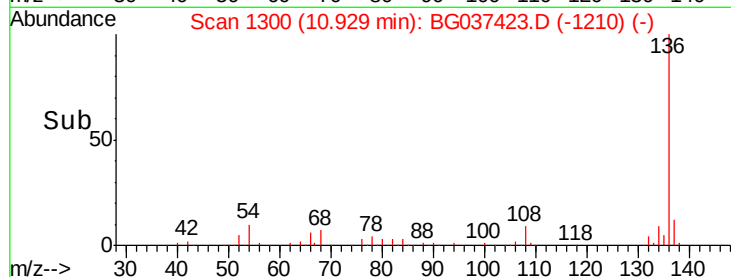
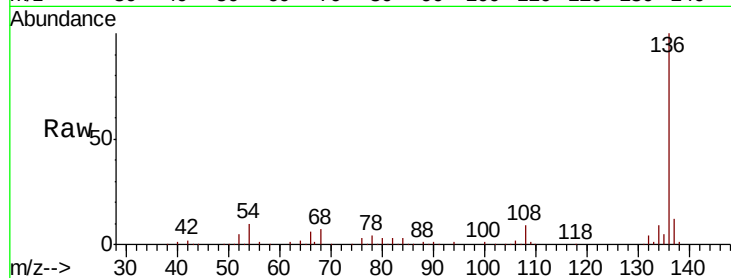




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

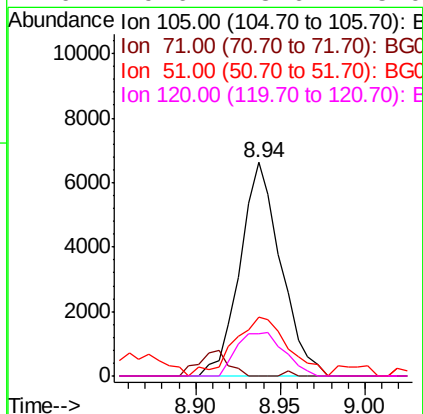
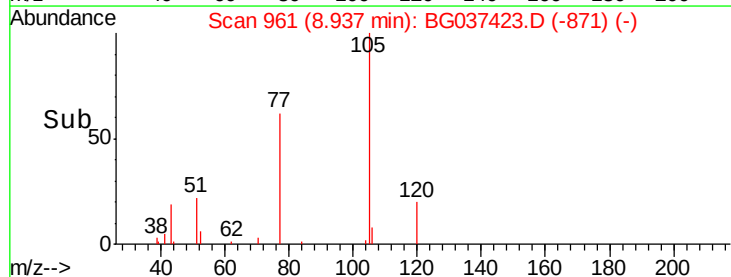
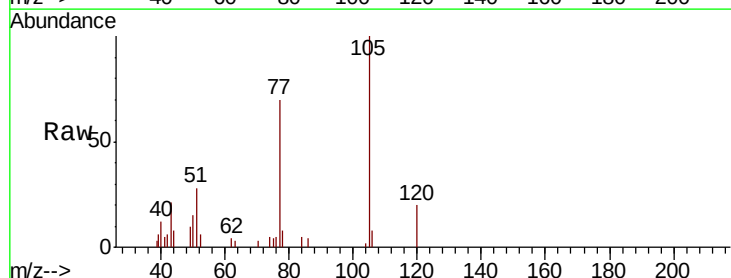
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

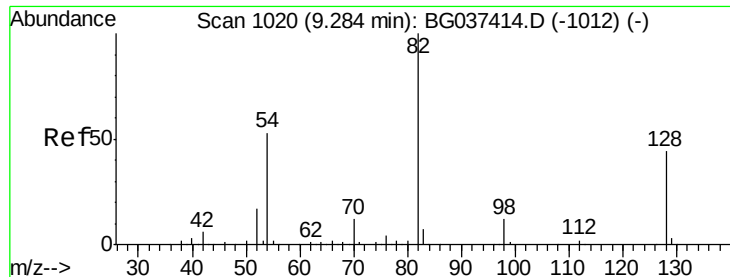
Tot Ion:136	Resp:	229909
Ion Ratio	Lower	Upper
136 100		
137 11.8	9.6	14.4
54 10.2	7.9	11.9
68 6.9	4.8	7.2



#22
Acetophenone
Concen: 1.930 ng
RT: 8.94 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt	Ion:105	Resp:	11126
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	27.6	25.0	37.6
120	19.6	18.6	28.0

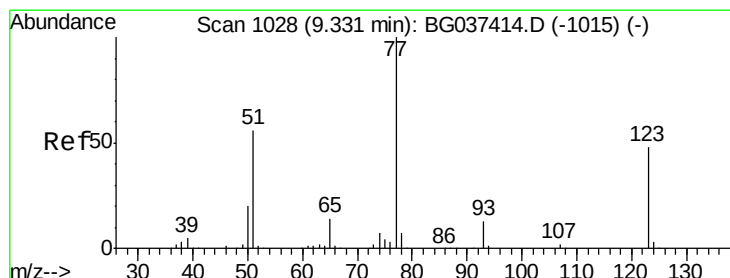
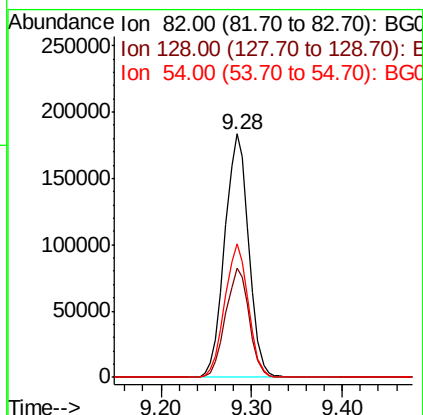
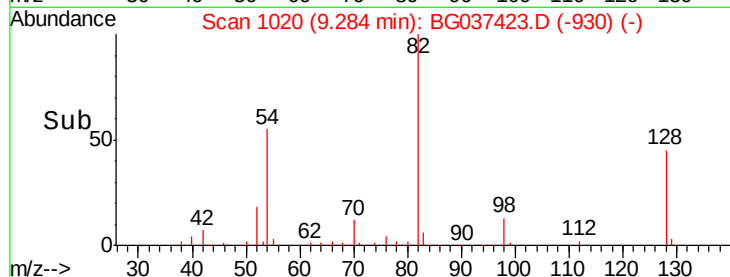
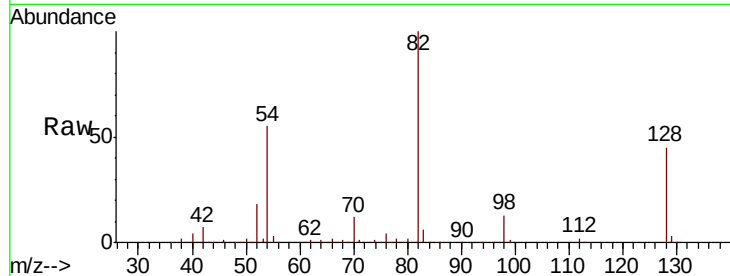




#23
 Nitrobenzene-d5
 Concen: 82.059 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

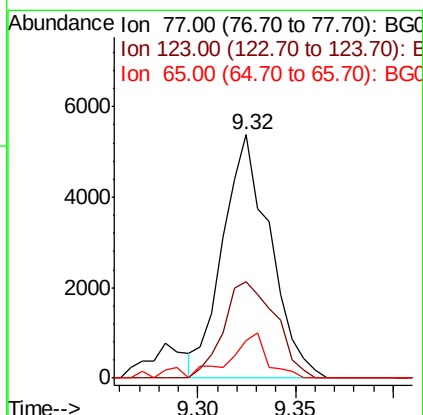
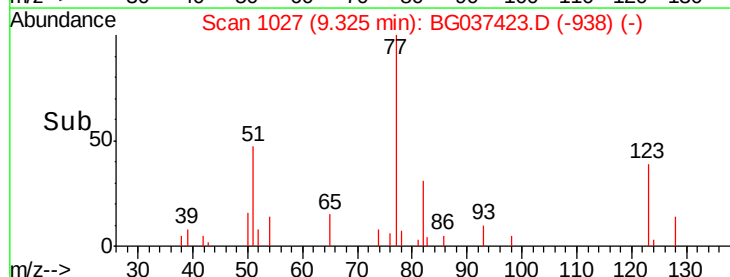
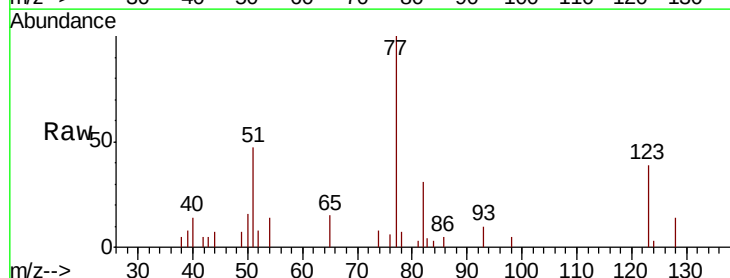
Instrument :
 BNA_G
 ClientSampleID :
 LOD-MDL-SOIL-01-QT4-2018

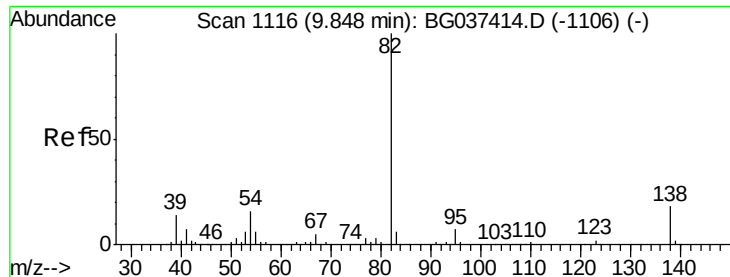
Tot Ion: 82 Resp: 336780
 Ion Ratio Lower Upper
 82 100
 128 44.8 34.6 51.8
 54 54.6 45.3 67.9



#24
 Nitrobenzene
 Concen: 2.111 ng
 RT: 9.32 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

Tgt Ion: 77 Resp: 9000
 Ion Ratio Lower Upper
 77 100
 123 39.4 33.6 50.4
 65 15.3 11.3 16.9





#25

Isophorone

Concen: 2.085 ng

RT: 9.84 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

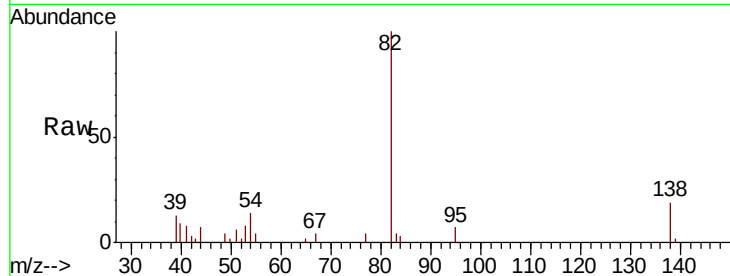
Tot Ion: 82 Resp: 15636

Ion Ratio Lower Upper

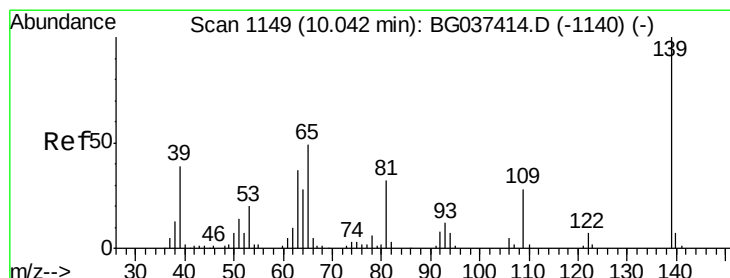
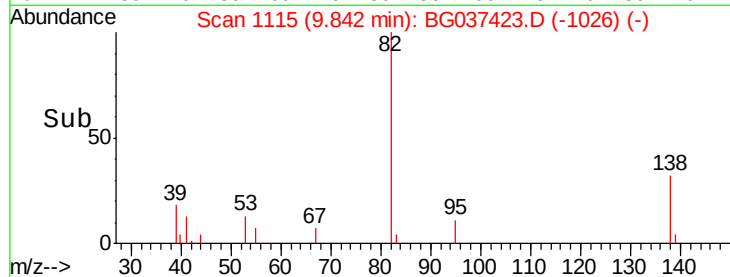
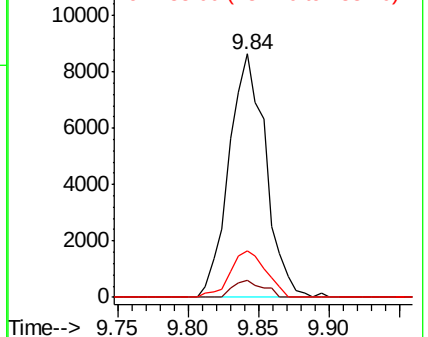
82 100

95 6.8 5.3 7.9

138 18.9 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: 1.507 ng

RT: 10.04 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

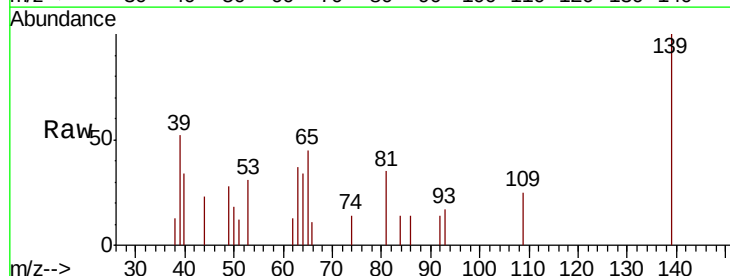
Tgt Ion: 139 Resp: 2895

Ion Ratio Lower Upper

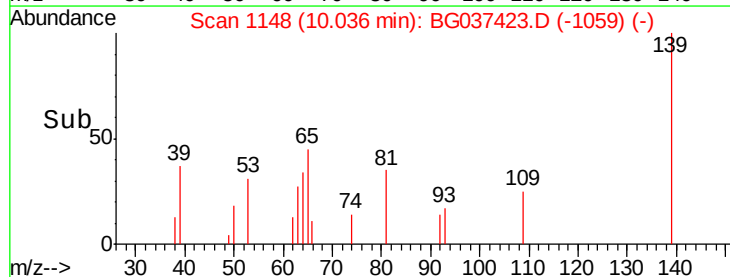
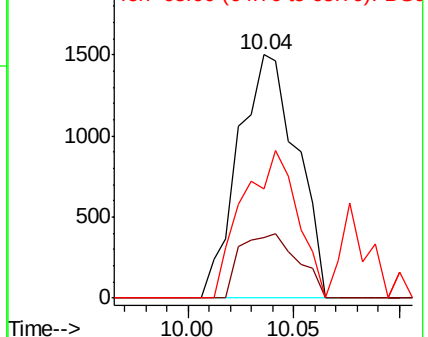
139 100

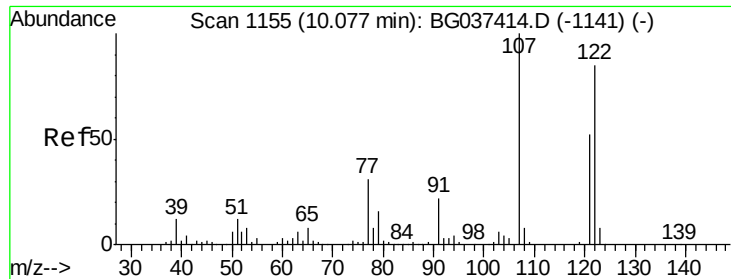
109 24.8 23.3 34.9

65 44.7 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

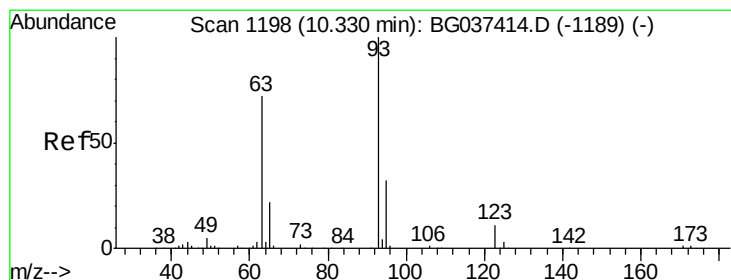
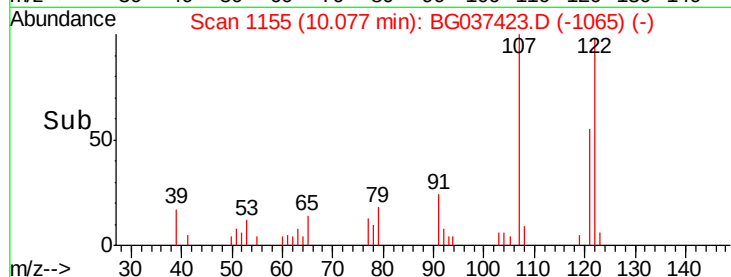
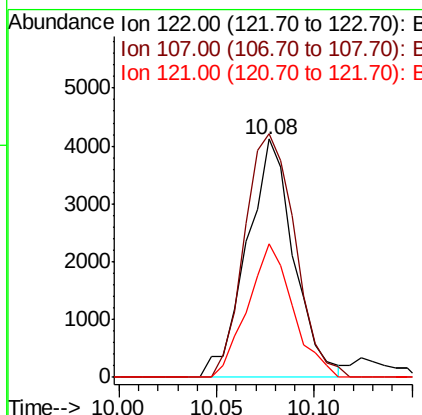
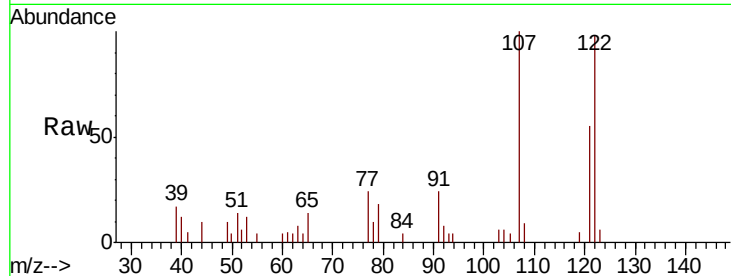




#27
 2,4-Dimethylphenol
 Concen: 2.003 ng
 RT: 10.08 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

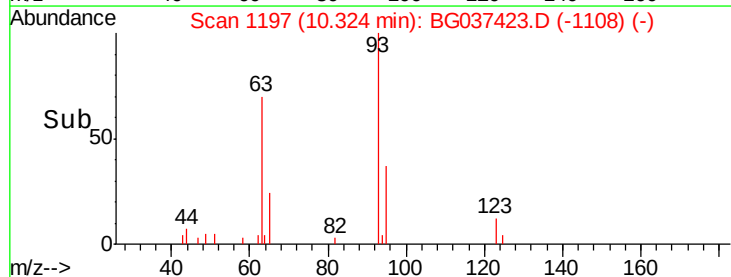
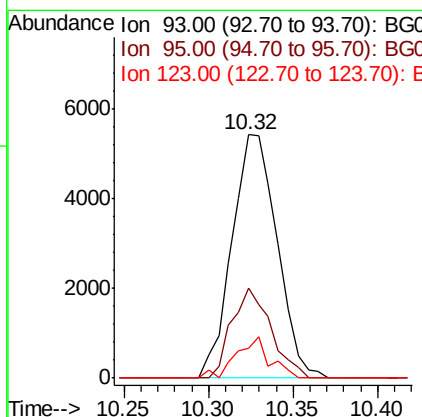
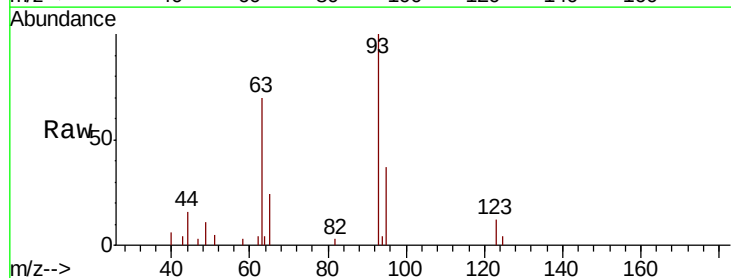
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

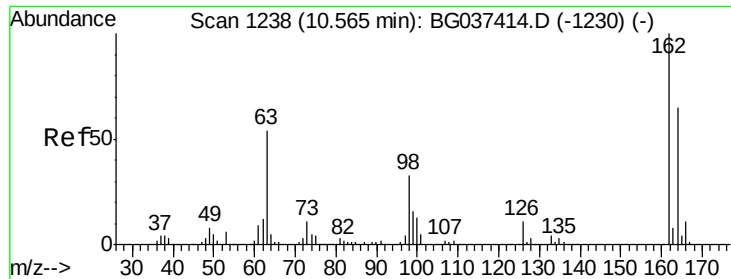
Tot Ion:122 Resp: 6868
 Ion Ratio Lower Upper
 122 100
 107 102.1 94.2 141.2
 121 55.8 47.3 70.9



#28
 bis(2-Chloroethoxy)methane
 Concen: 2.043 ng
 RT: 10.32 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

Tgt Ion: 93 Resp: 10040
 Ion Ratio Lower Upper
 93 100
 95 37.0 24.6 37.0#
 123 12.1 9.1 13.7

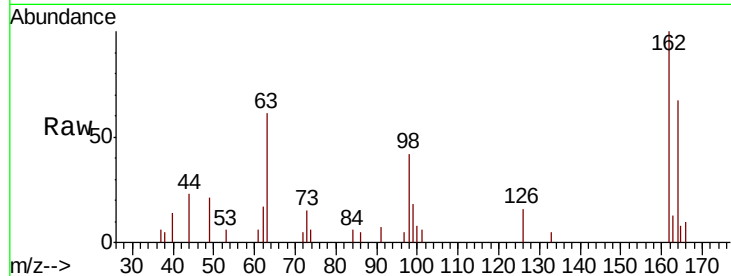




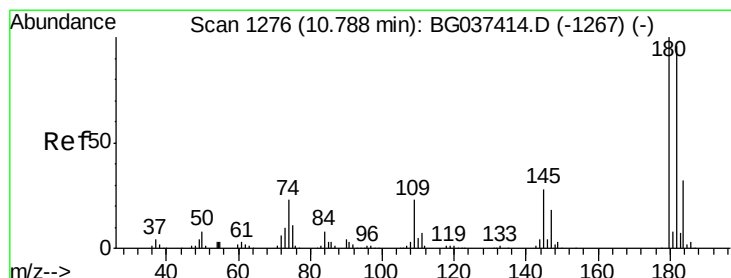
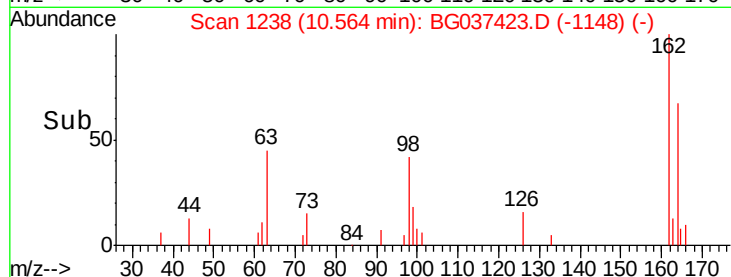
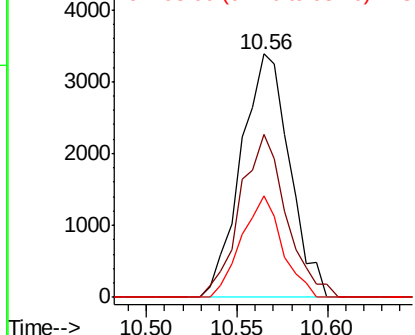
#29
 2,4-Dichlorophenol
 Concen: 1.651 ng
 RT: 10.56 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

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

Tot Ion:162 Resp: 6304
 Ion Ratio Lower Upper
 162 100
 164 75.5 43.2 83.2
 98 41.6 16.0 56.0

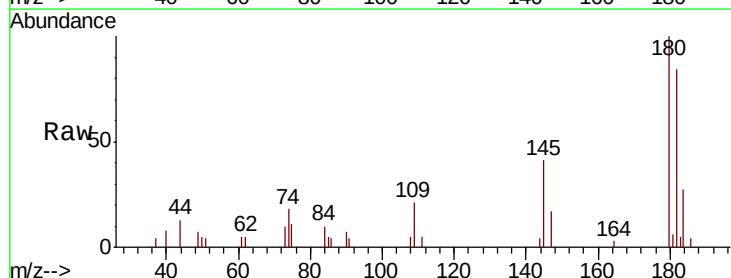


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): B

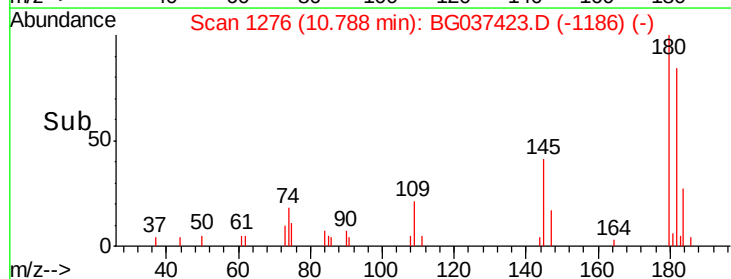
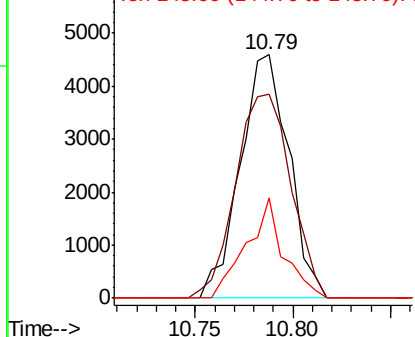


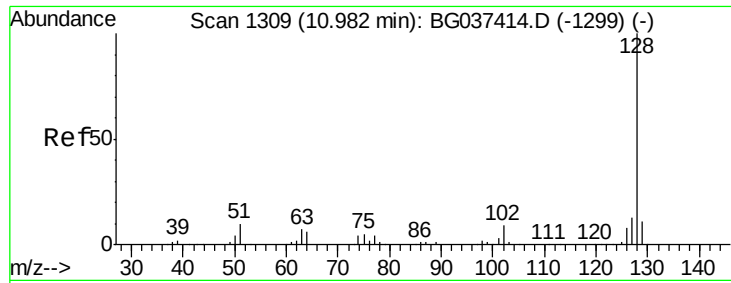
#30
 1,2,4-Trichlorobenzene
 Concen: 1.907 ng
 RT: 10.79 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

Tgt Ion:180 Resp: 7918
 Ion Ratio Lower Upper
 180 100
 182 83.8 77.7 116.5
 145 41.2 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

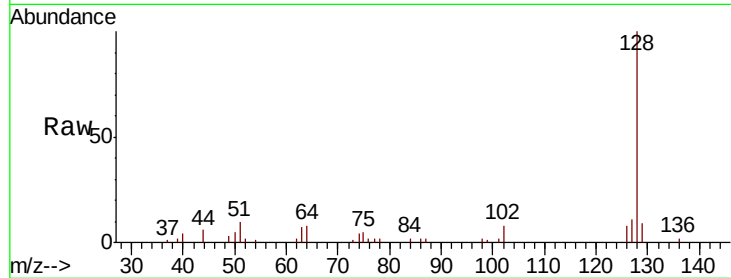




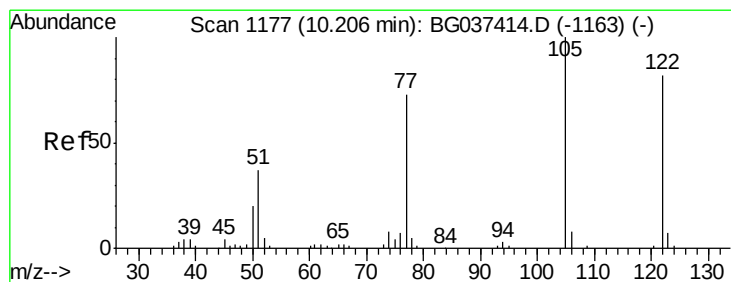
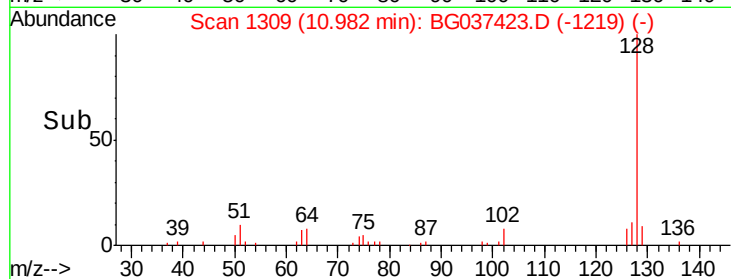
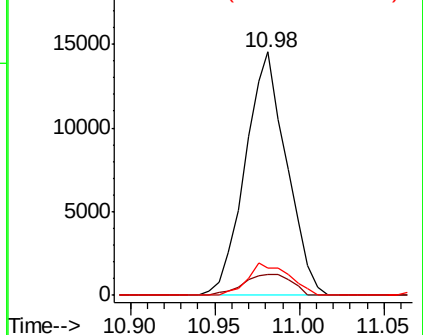
#31
Naphthalene
Concen: 2.190 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

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

Tot Ion:128 Resp: 24732
Ion Ratio Lower Upper
128 100
129 8.5 9.0 13.6#
127 11.2 11.1 16.7

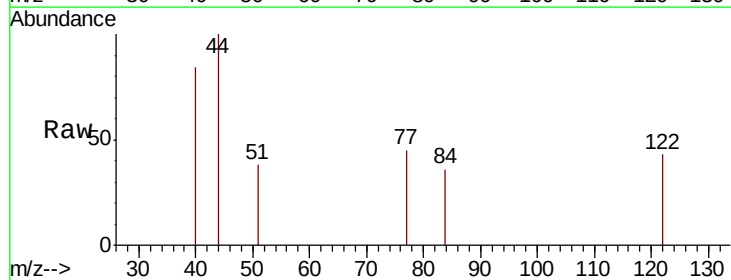


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

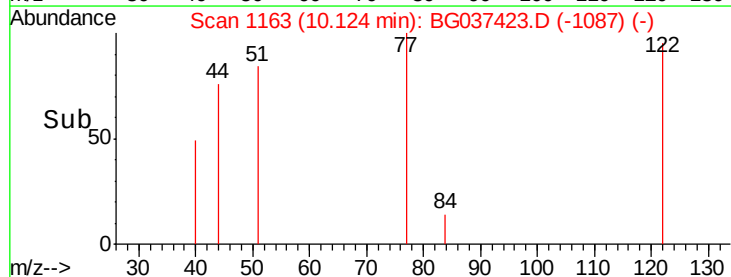
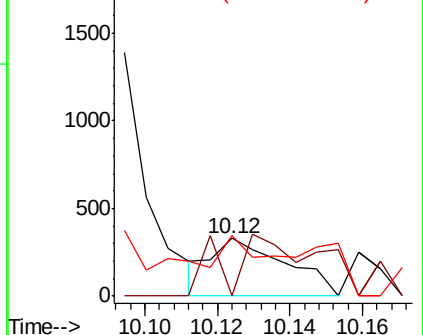


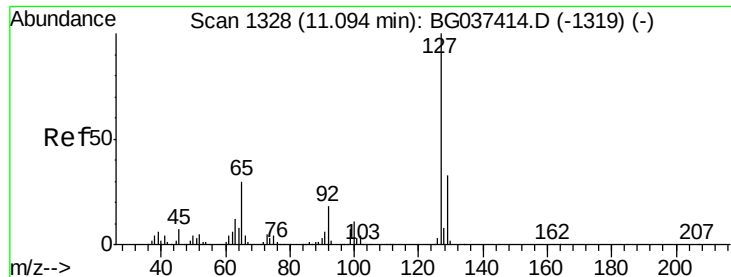
#32
Benzoic acid
Concen: 0.211 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.08 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:122 Resp: 469
Ion Ratio Lower Upper
122 100
105 0.0 106.7 146.7#
77 105.8 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): BGC

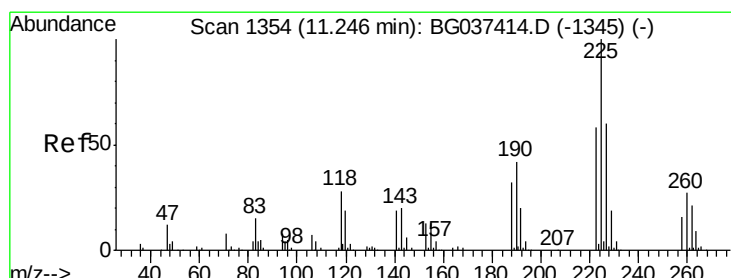
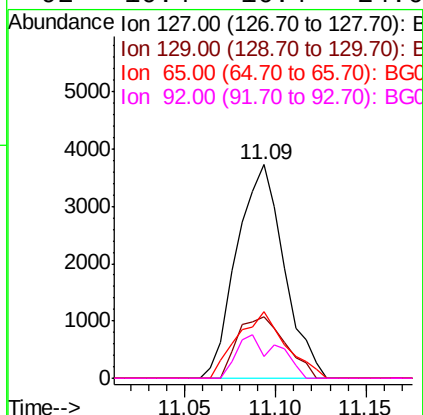
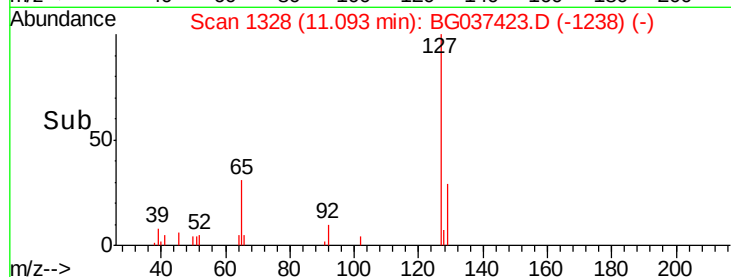
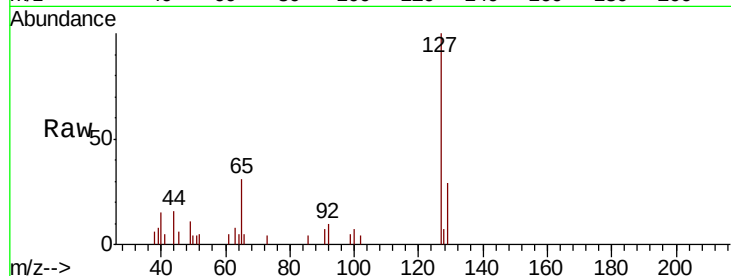




#33
4-Chloroaniline
Concen: 1.272 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

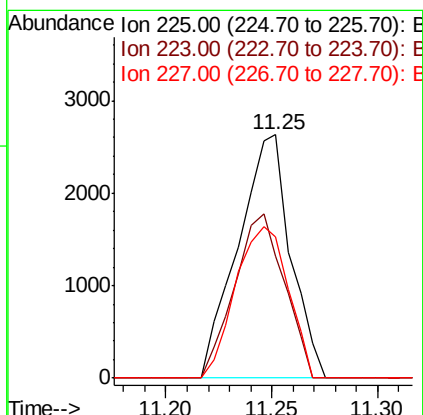
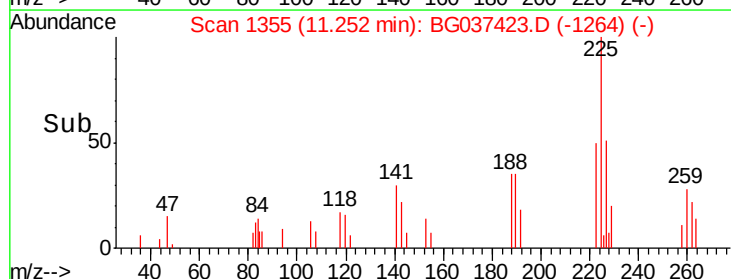
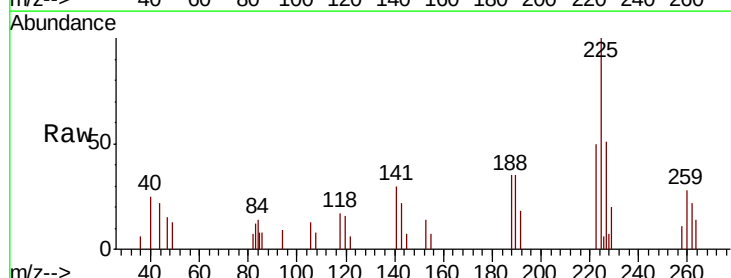
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

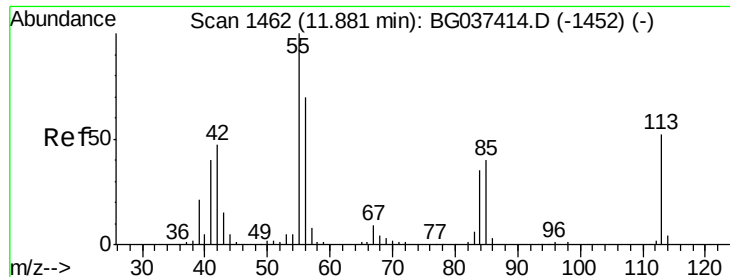
Tot Ion:127	Resp:	6750	
Ion Ratio	Lower	Upper	
127 100			
129 28.8	27.1	40.7	
65 31.3	26.6	39.8	
92 10.4	16.4	24.6#	



#34
Hexachlorobutadiene
Concen: 1.848 ng
RT: 11.25 min Scan# 1355
Delta R.T. 0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion	225	Resp: Lower	4548
Ion	Ratio		Upper
225	100		
223	47.6	48.2	72.4#
227	54.8	51.6	77.4





#35

Caprolactam

Concen: 1.373 ng

RT: 11.85 min Scan# 1457

Delta R.T. -0.03 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

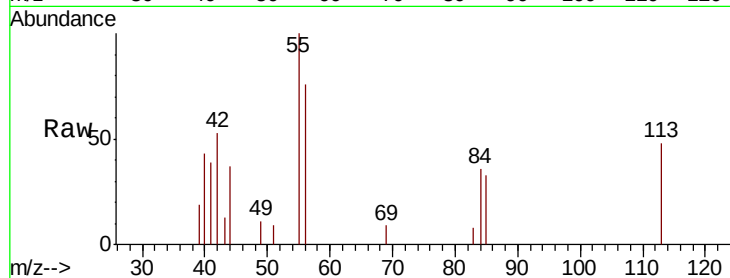
Tot Ion:113 Resp: 2102

Ion Ratio Lower Upper

113 100

55 206.2 176.6 216.6

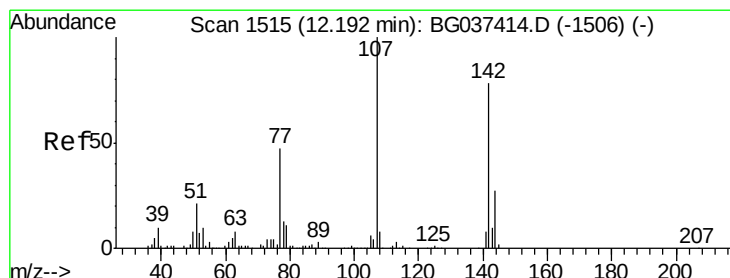
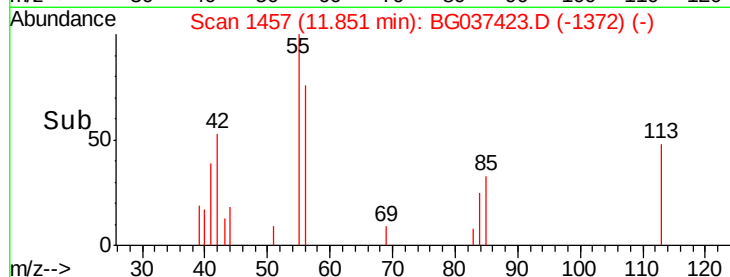
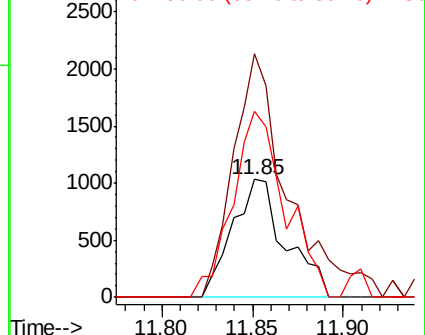
56 157.1 128.3 168.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 1.777 ng

RT: 12.19 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

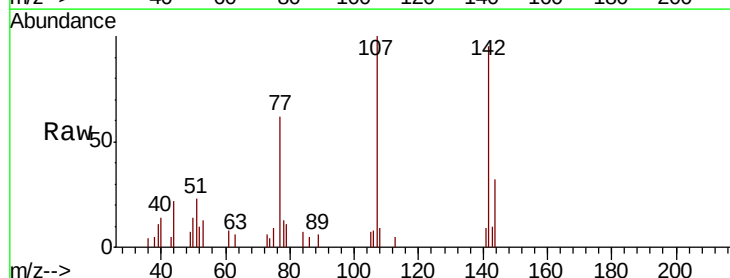
Tgt Ion:107 Resp: 7651

Ion Ratio Lower Upper

107 100

144 31.7 20.7 31.1#

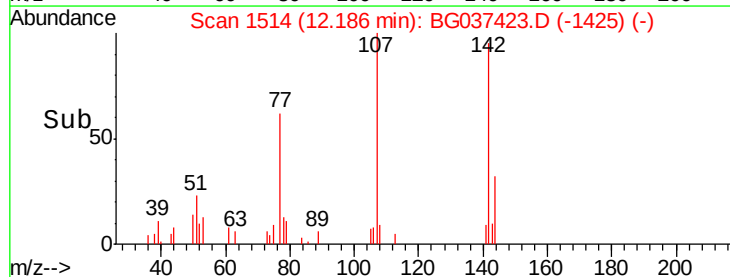
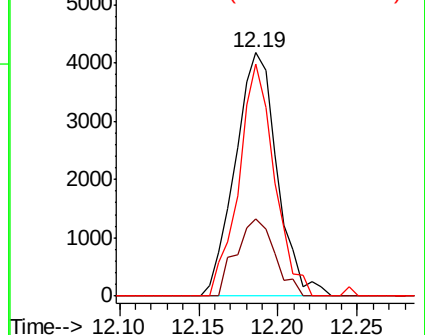
142 95.1 64.4 96.6

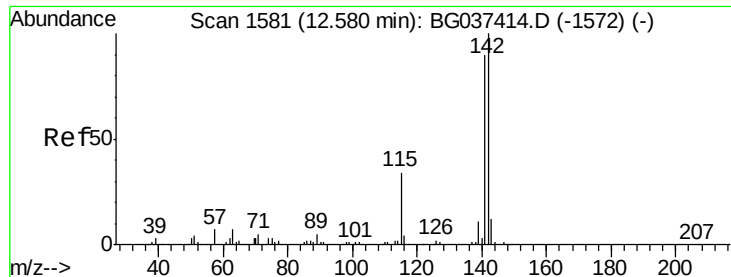


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 2.143 ng

RT: 12.80 min Scan# 1618

Delta R.T. 0.22 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

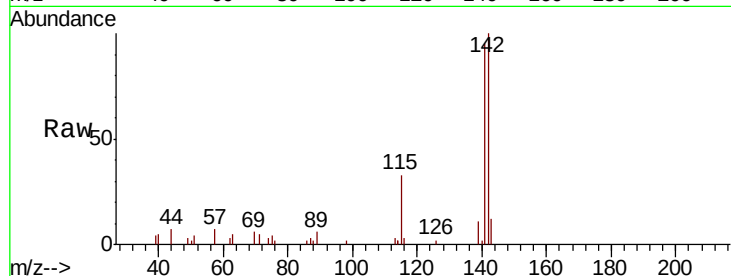
Tot Ion:142 Resp: 17641

Ion Ratio Lower Upper

142 100

141 95.4 71.9 107.9

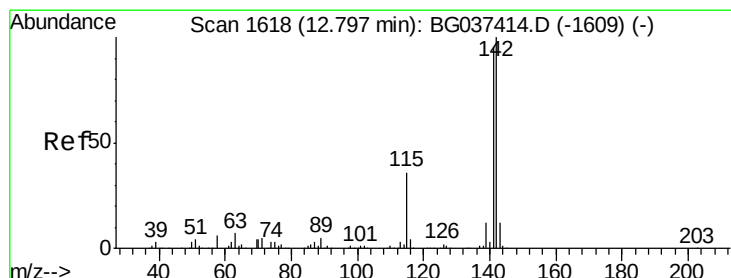
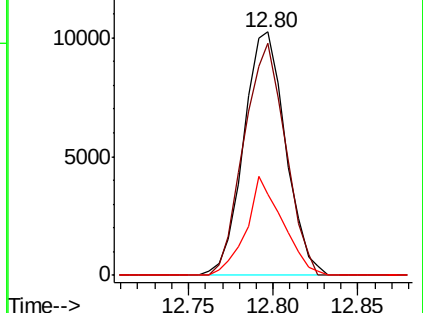
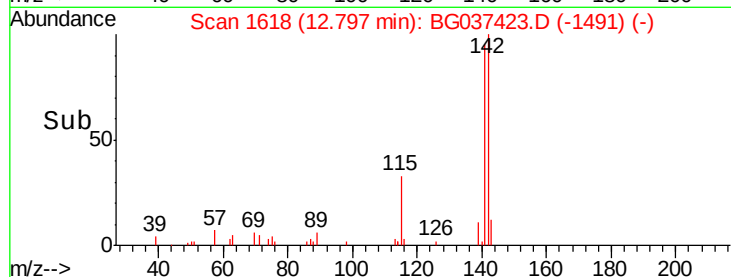
115 33.2 27.8 41.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 2.207 ng

RT: 12.80 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

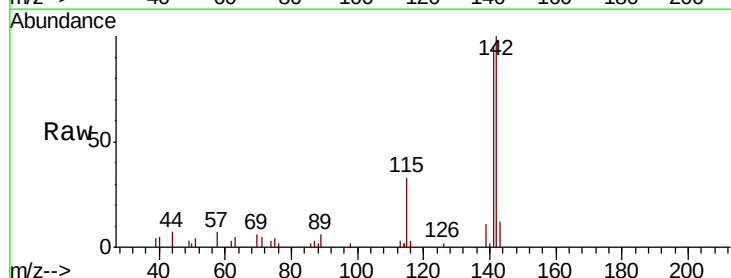
Tgt Ion:142 Resp: 17641

Ion Ratio Lower Upper

142 100

141 95.4 75.2 112.8

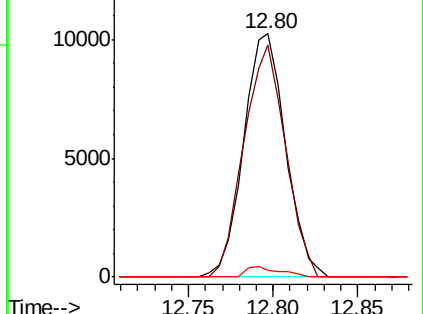
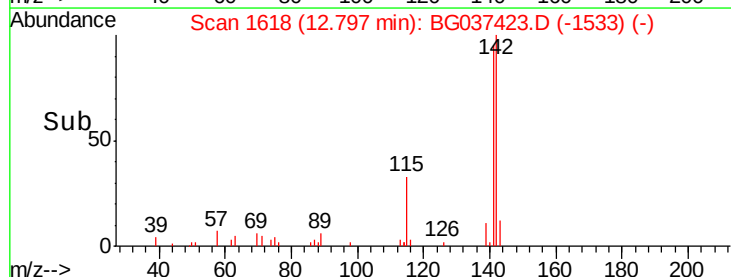
116 2.9 3.3 4.9#

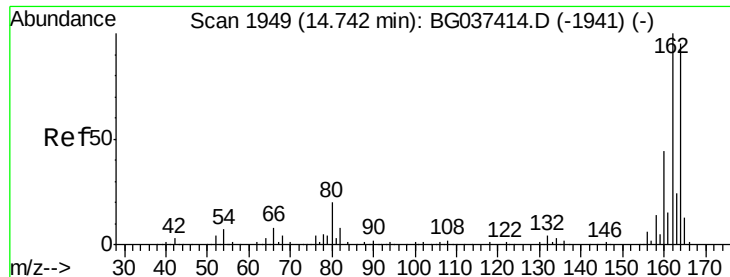


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

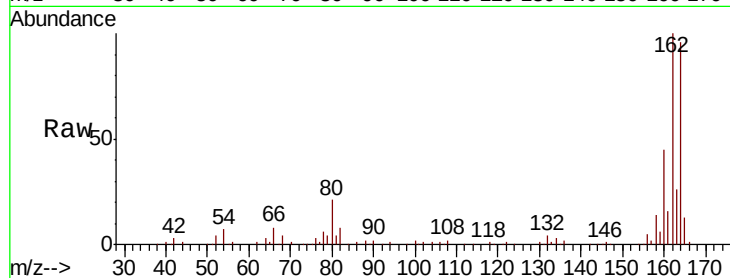
Tot Ion:164 Resp: 154313

Ion Ratio Lower Upper

164 100

162 104.3 81.3 121.9

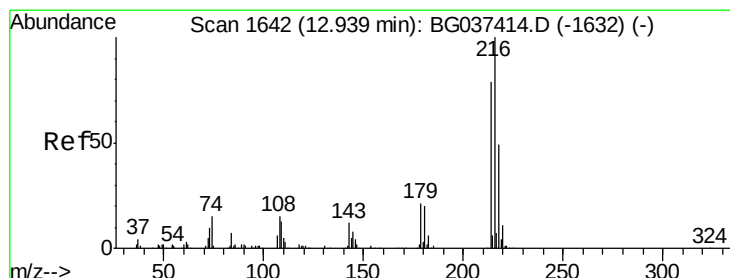
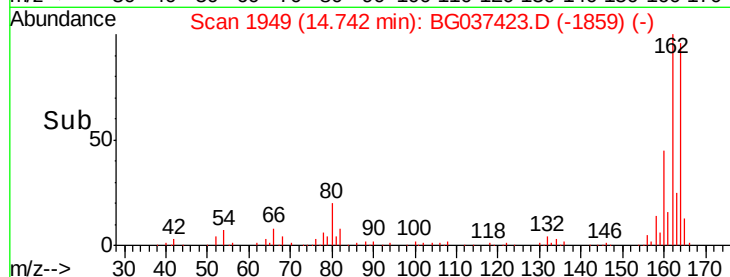
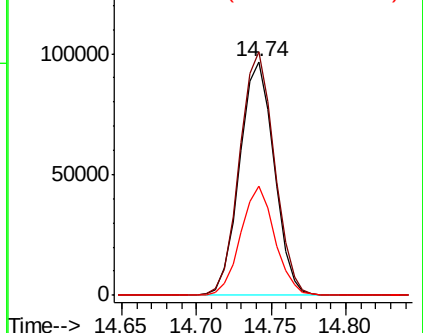
160 46.6 36.3 54.5



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: 1.940 ng

RT: 12.94 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Tgt Ion:216 Resp: 9655

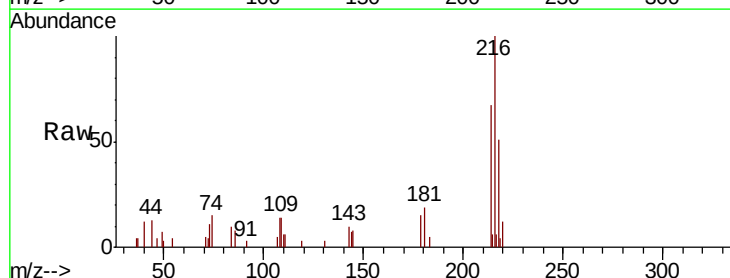
Ion Ratio Lower Upper

216 100

214 79.0 63.8 95.6

179 19.7 17.4 26.0

108 15.7 13.9 20.9

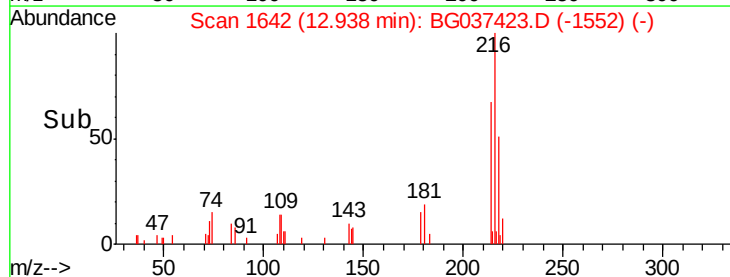
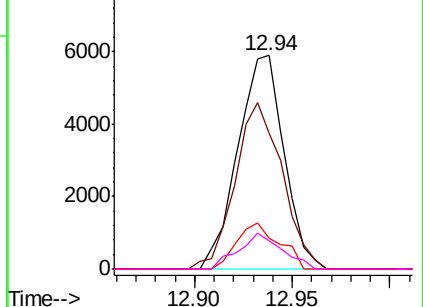


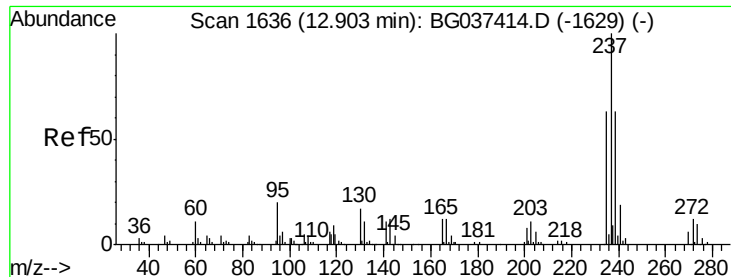
Abundance Ion 216.00 (215.70 to 216.70): E

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: 1.683 ng

RT: 12.90 min Scan# 1636

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

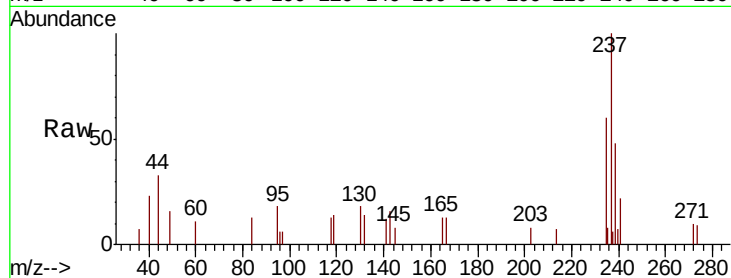
Tot Ion:237 Resp: 4002

Ion Ratio Lower Upper

237 100

235 68.0 42.5 82.5

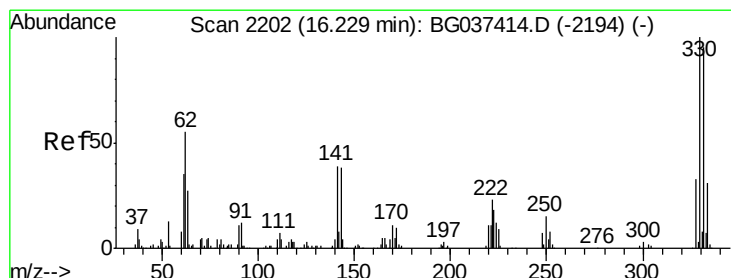
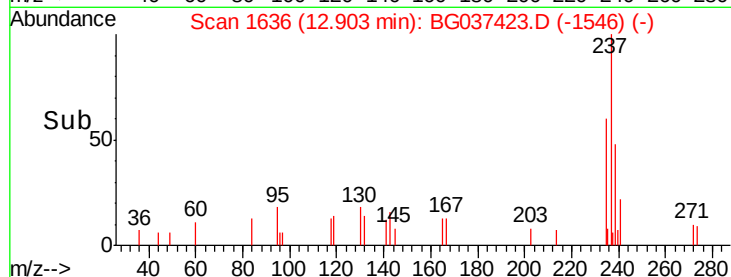
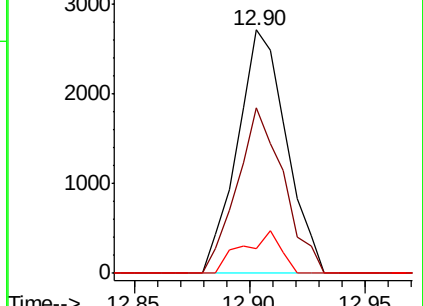
272 10.3 0.0 31.6



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: 140.543 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

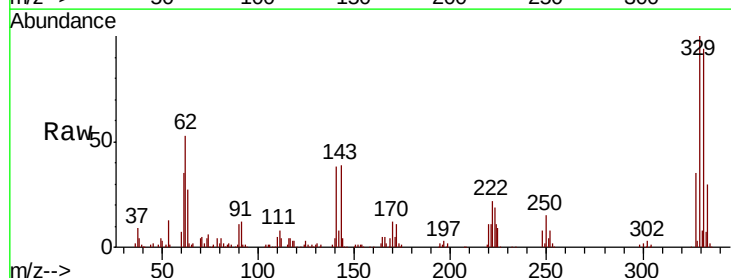
Tgt Ion:330 Resp: 236544

Ion Ratio Lower Upper

330 100

332 95.6 78.4 117.6

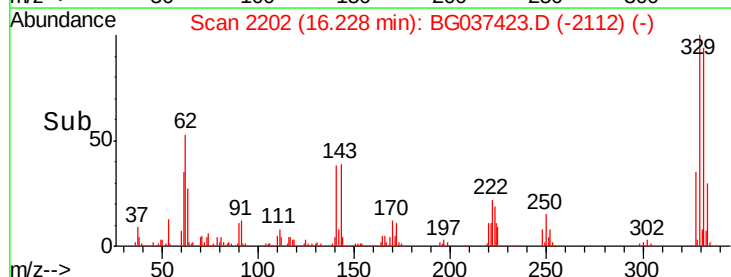
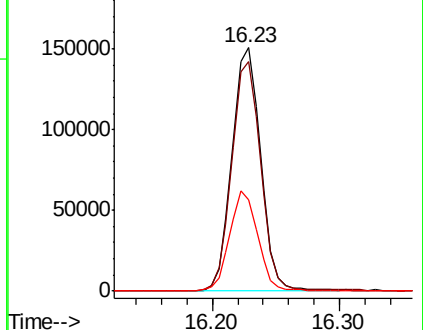
141 40.2 32.2 48.2

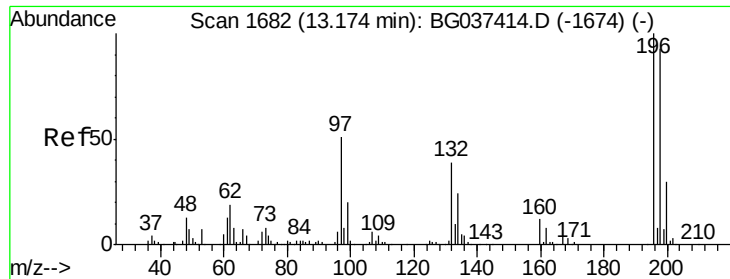


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

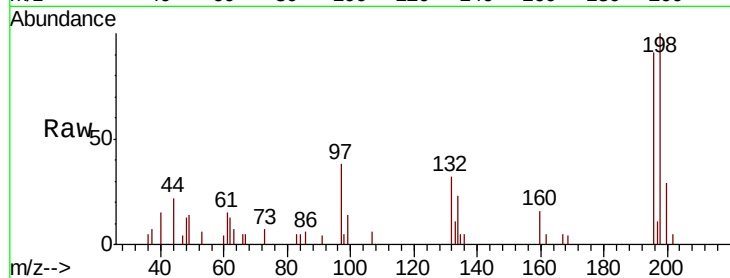




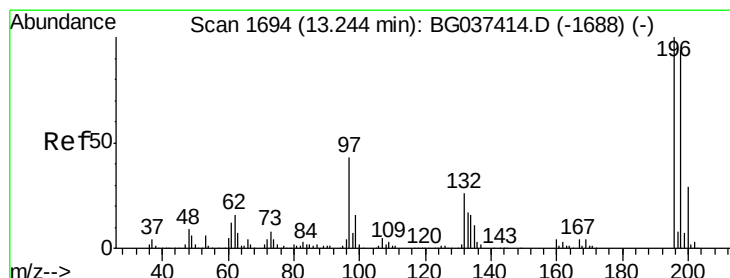
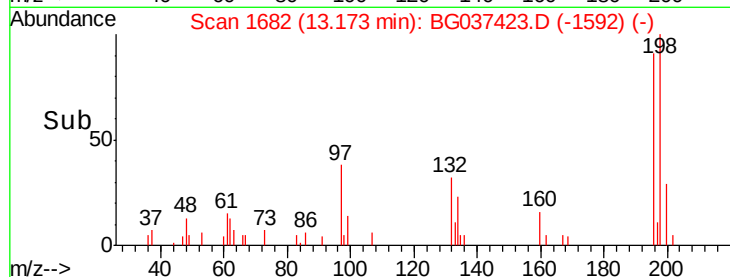
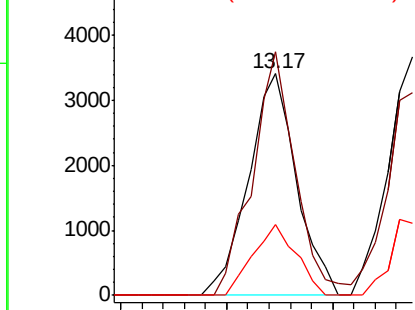
#43
 2,4,6-Trichlorophenol
 Concen: 1.617 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

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

Tot Ion:196 Resp: 5377
 Ion Ratio Lower Upper
 196 100
 198 109.8 76.4 114.6
 200 32.1 24.9 37.3

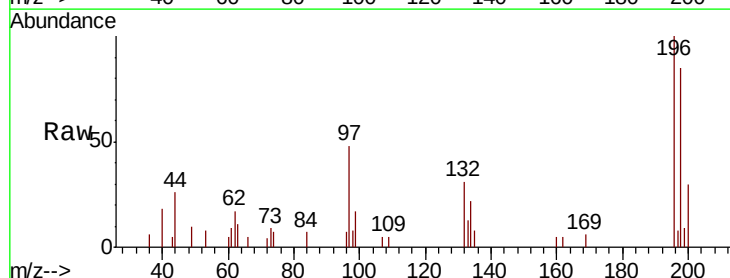


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

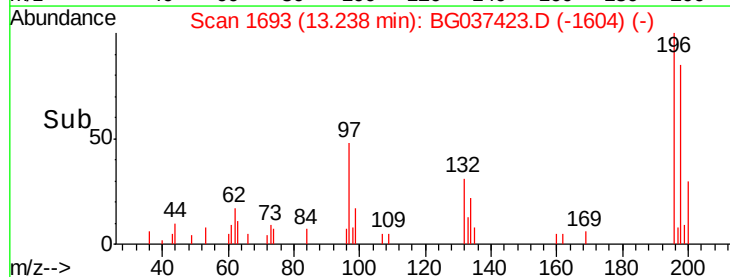
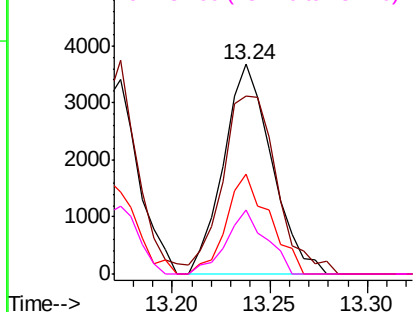


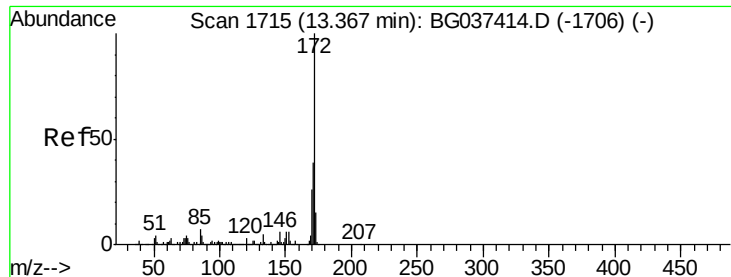
#44
 2,4,5-Trichlorophenol
 Concen: 1.742 ng
 RT: 13.24 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

Tgt Ion:196 Resp: 6308
 Ion Ratio Lower Upper
 196 100
 198 78.9 74.2 111.2
 97 44.5 34.1 51.1
 132 28.6 20.2 30.4



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

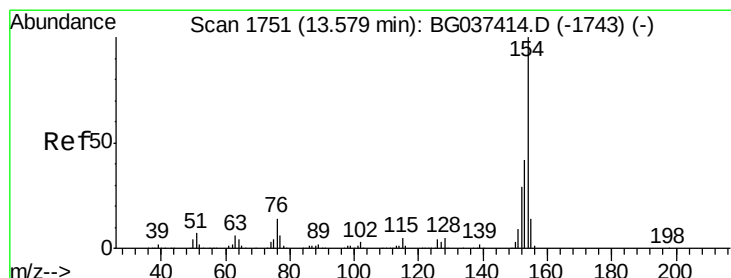
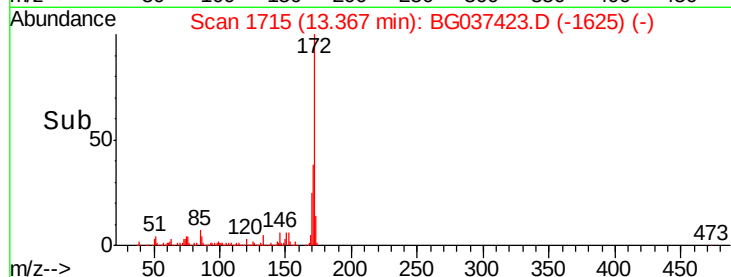
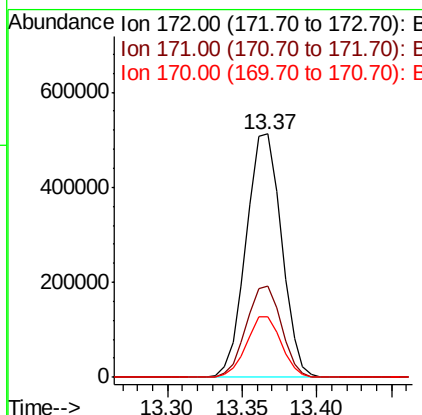
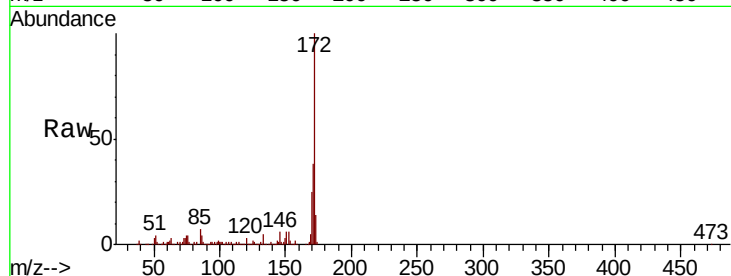




#45
2-Fluorobiphenyl
Concen: 82.273 ng
RT: 13.37 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

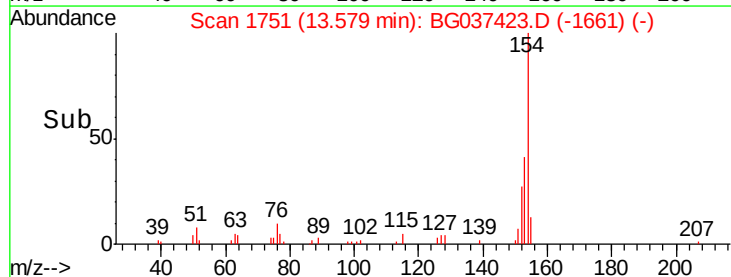
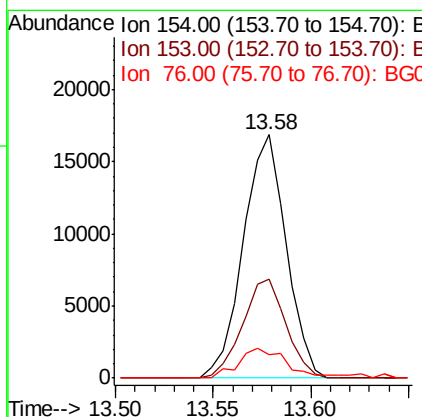
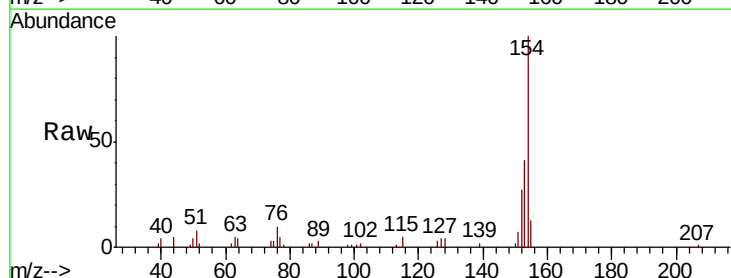
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

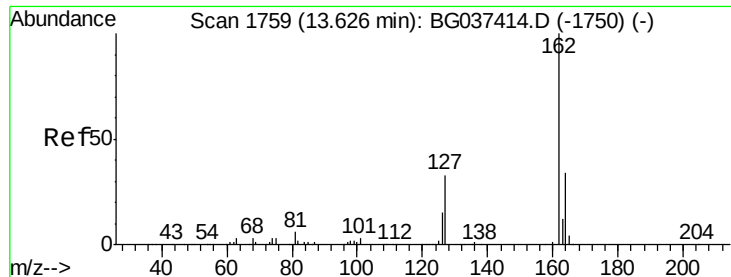
Tot Ion:172 Resp: 841926
Ion Ratio Lower Upper
172 100
171 37.6 31.0 46.4
170 24.9 20.2 30.2



#46
1,1'-Biphenyl
Concen: 2.002 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:154 Resp: 25581
Ion Ratio Lower Upper
154 100
153 40.9 22.1 62.1
76 9.8 0.0 33.2

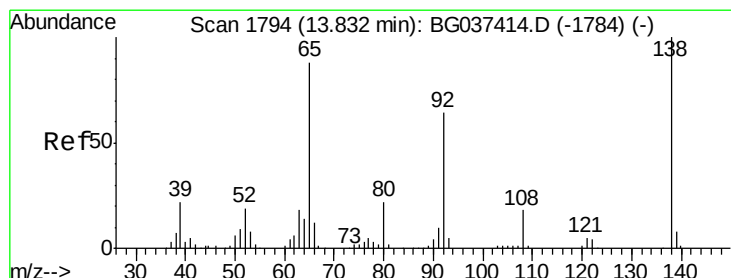
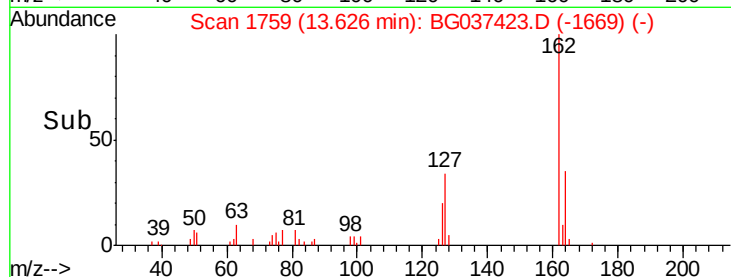
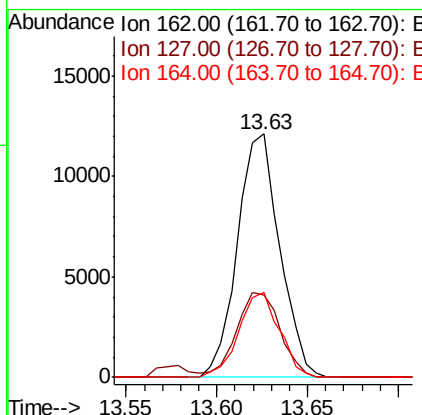
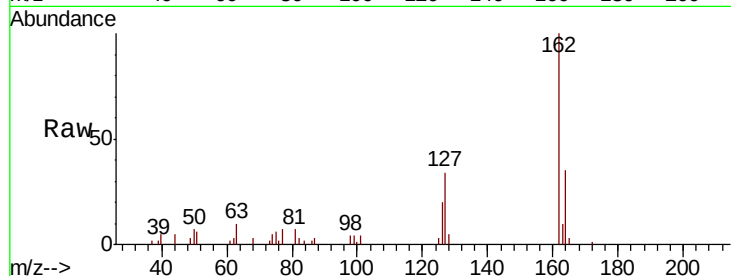




#47
2-Chloronaphthalene
Concen: 2.032 ng
RT: 13.63 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

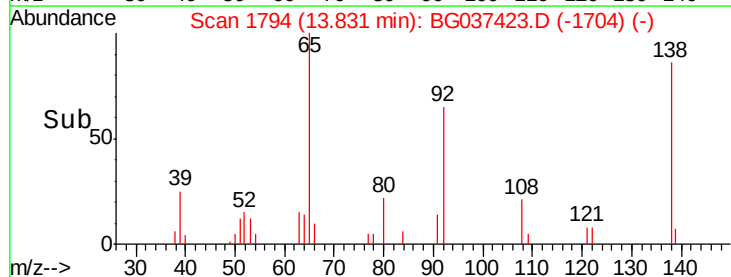
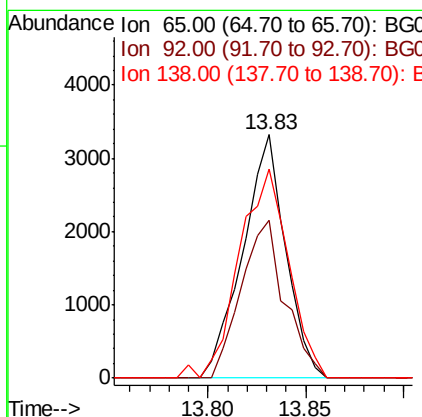
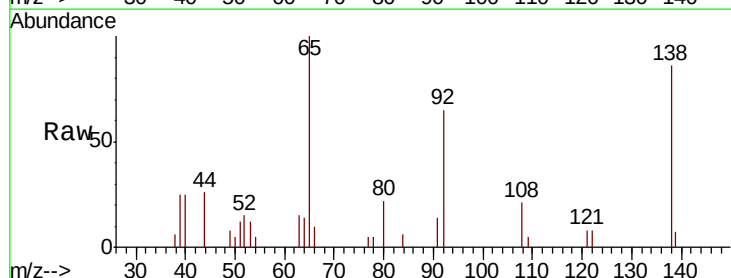
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

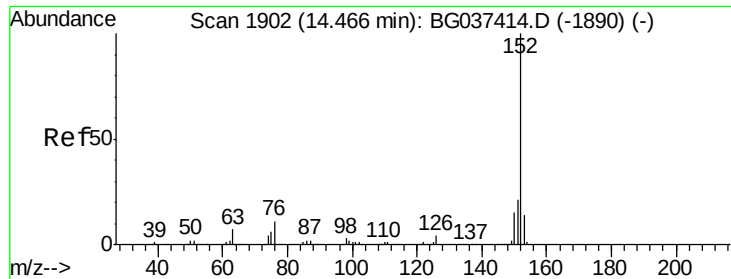
Tot Ion: 162 Resp: 19645
Ion Ratio Lower Upper
162 100
127 34.0 30.5 45.7
164 34.7 26.4 39.6



#48
2-Nitroaniline
Concen: 1.717 ng
RT: 13.83 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion: 65 Resp: 5034
Ion Ratio Lower Upper
65 100
92 64.7 53.2 79.8
138 85.7 79.3 118.9





#49

Acenaphthylene

Concen: 2.151 ng

RT: 14.47 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

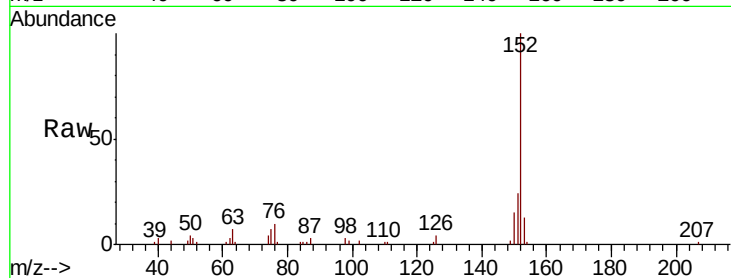
Tot Ion:152 Resp: 31283

Ion Ratio Lower Upper

152 100

151 24.1 17.1 25.7

153 13.4 11.1 16.7

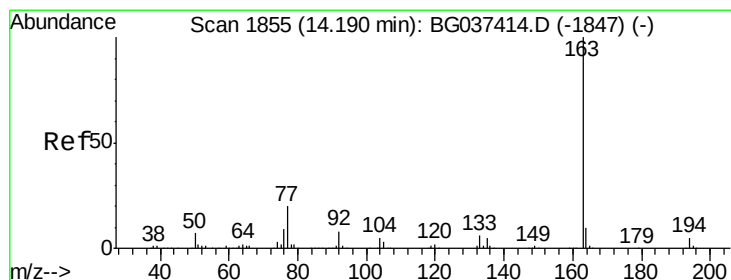
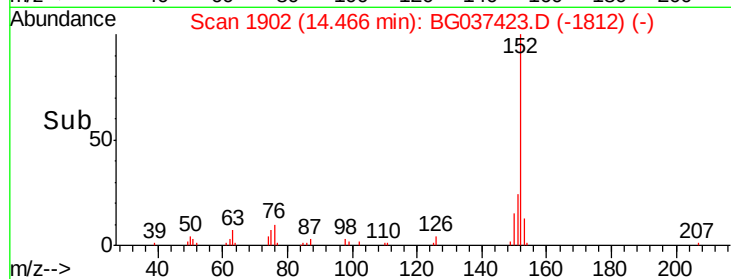
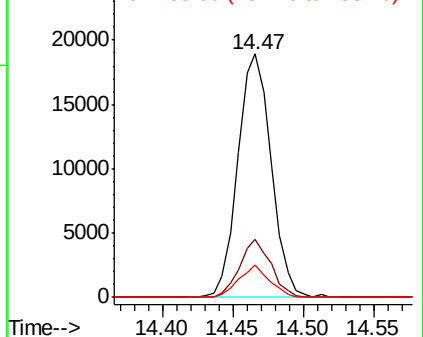


Abundance

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: 2.123 ng

RT: 14.18 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

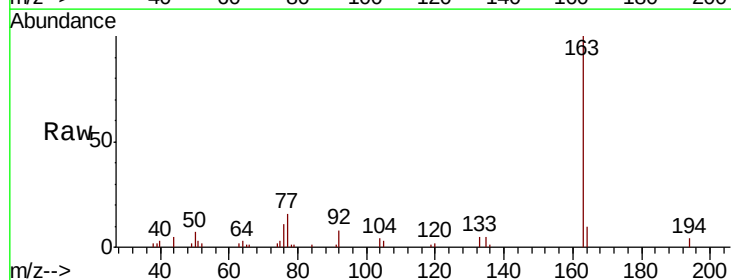
Tgt Ion:163 Resp: 25340

Ion Ratio Lower Upper

163 100

194 3.6 3.5 5.3

164 10.4 8.5 12.7

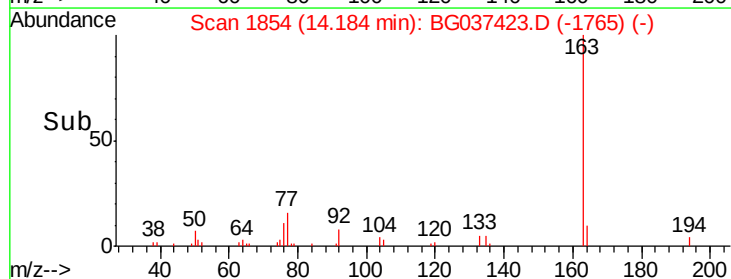
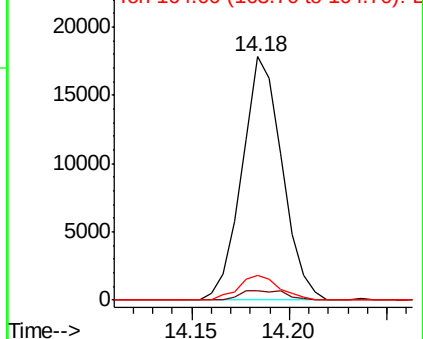


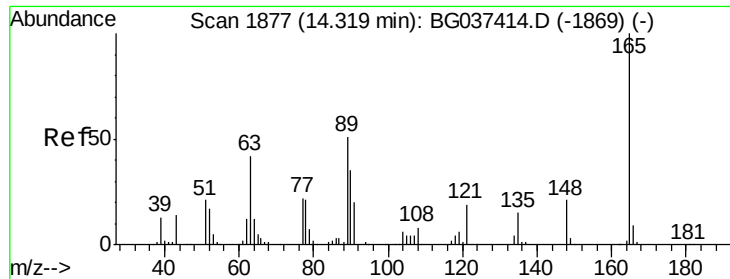
Abundance

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

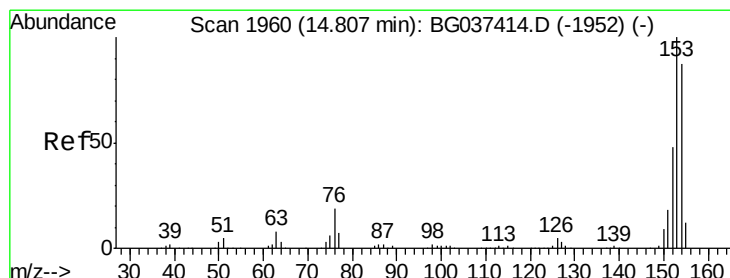
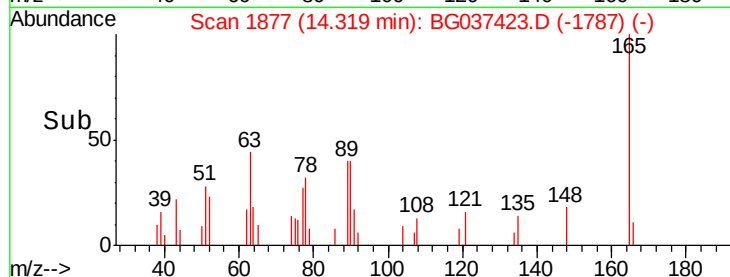
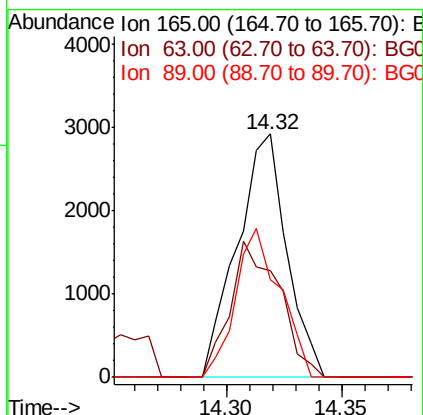
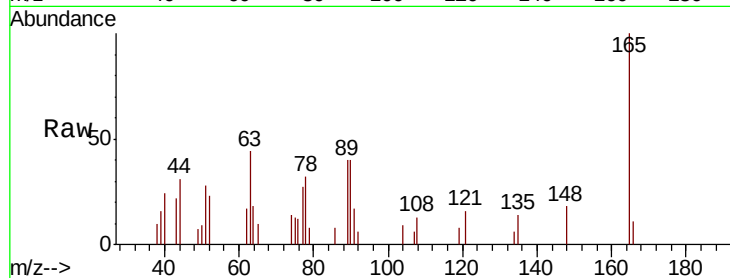




#51
 2,6-Dinitrotoluene
 Concen: 1.655 ng
 RT: 14.32 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

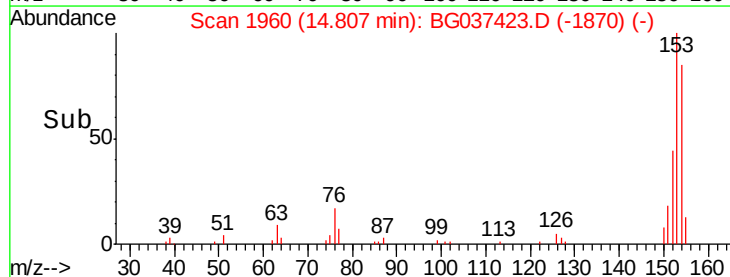
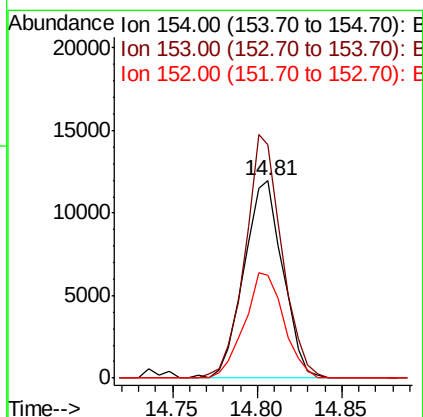
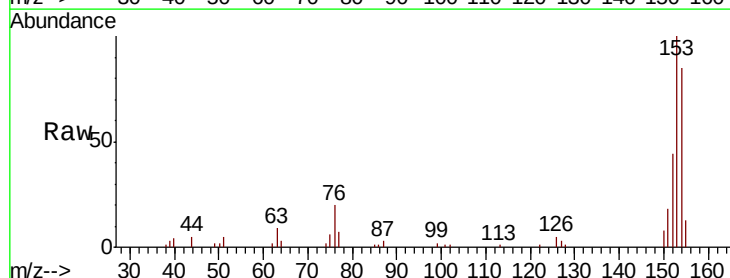
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

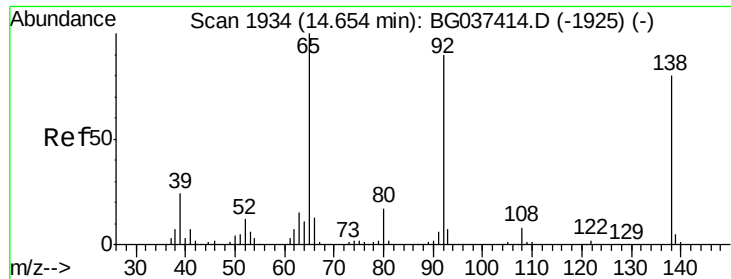
Tot Ion:165 Resp: 4370
 Ion Ratio Lower Upper
 165 100
 63 43.7 43.4 65.2
 89 39.9 45.8 68.6#



#52
 Acenaphthene
 Concen: 2.133 ng
 RT: 14.81 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

Tgt Ion:154 Resp: 19106
 Ion Ratio Lower Upper
 154 100
 153 118.3 93.4 140.0
 152 52.1 44.7 67.1





#53

3-Nitroaniline

Concen: 1.373 ng

RT: 14.65 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

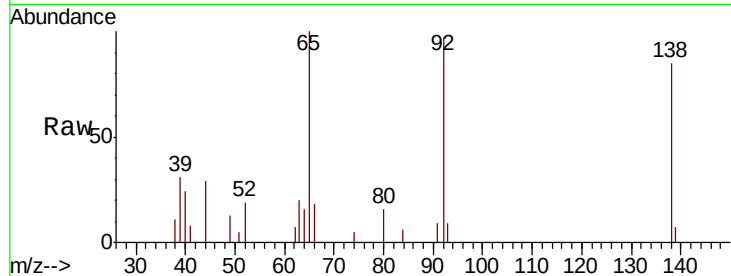
Tot Ion:138 Resp: 4025

Ion Ratio Lower Upper

138 100

108 0.0 11.0 16.6#

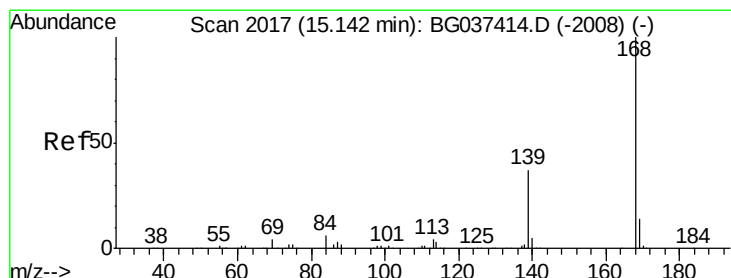
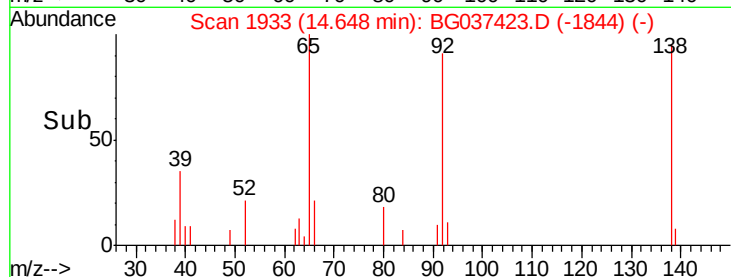
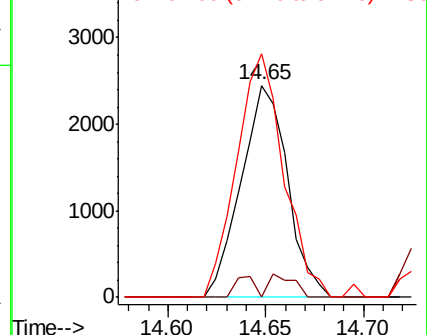
92 114.8 95.2 142.8



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#55

Dibenzofuran

Concen: 2.215 ng

RT: 15.14 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

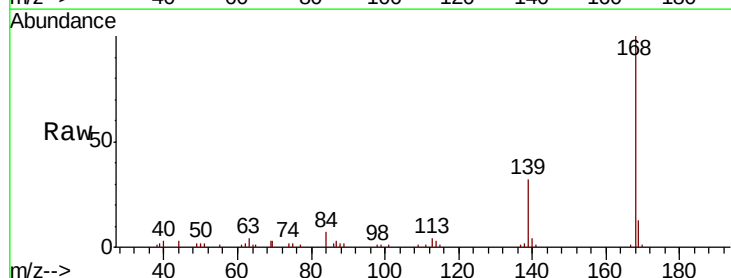
Tgt Ion:168 Resp: 32874

Ion Ratio Lower Upper

168 100

139 32.4 29.4 44.0

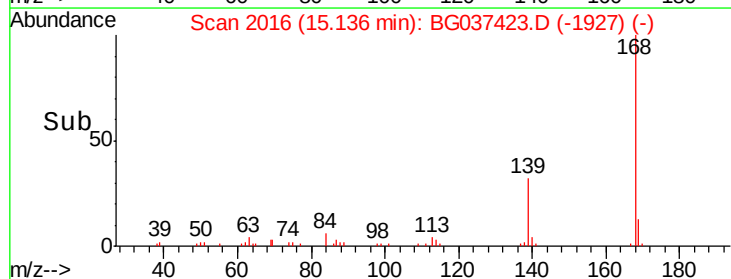
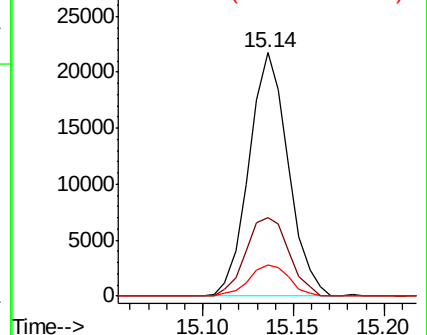
169 12.9 11.0 16.6

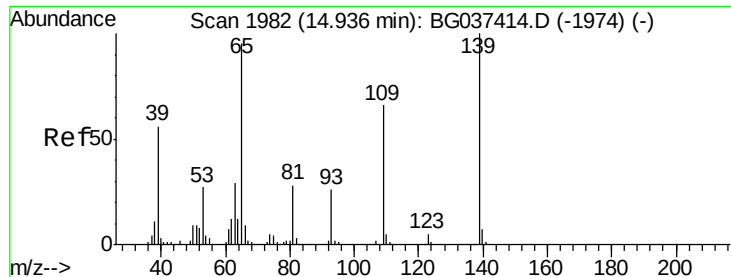


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

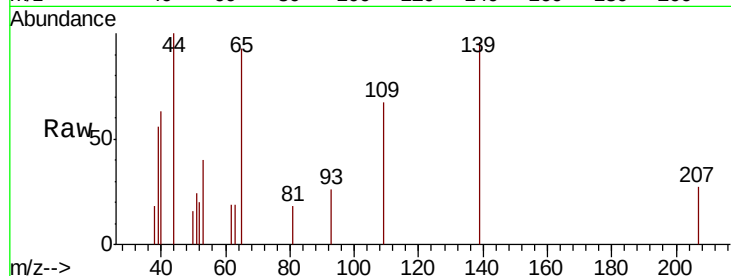




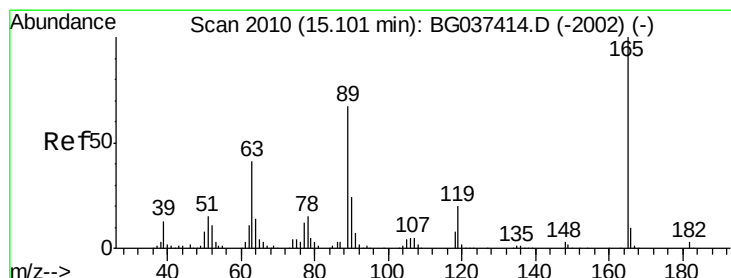
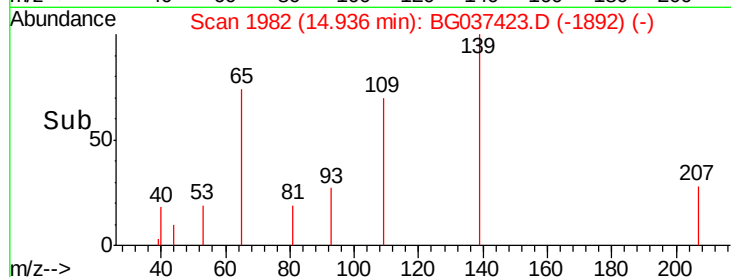
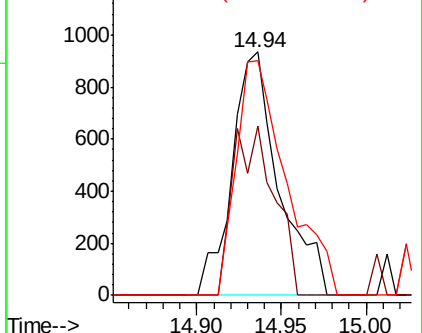
#56
4-Nitrophenol
Concen: 0.838 ng
RT: 14.94 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

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

Tot Ion:139 Resp: 1819
Ion Ratio Lower Upper
139 100
109 69.5 49.5 89.5
65 96.5 76.8 116.8

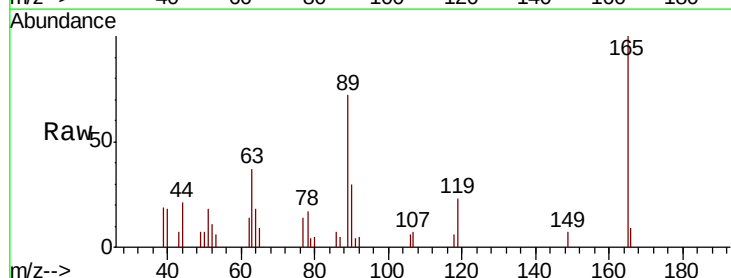


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

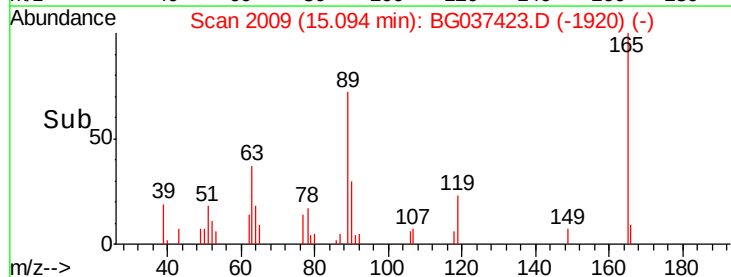
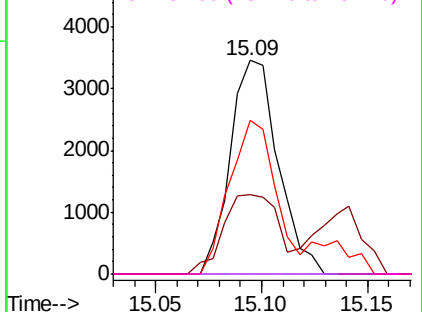


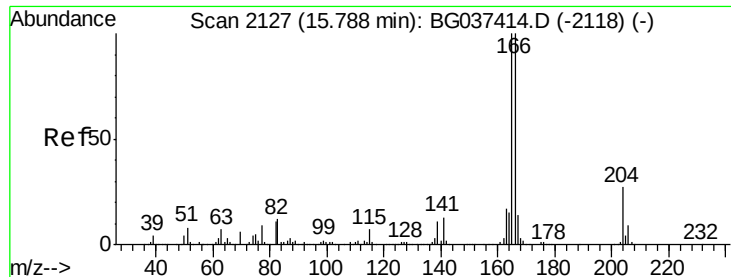
#57
2,4-Dinitrotoluene
Concen: 1.563 ng
RT: 15.09 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:165 Resp: 5419
Ion Ratio Lower Upper
165 100
63 37.0 33.4 50.0
89 71.7 57.2 85.8
182 0.0 2.6 4.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

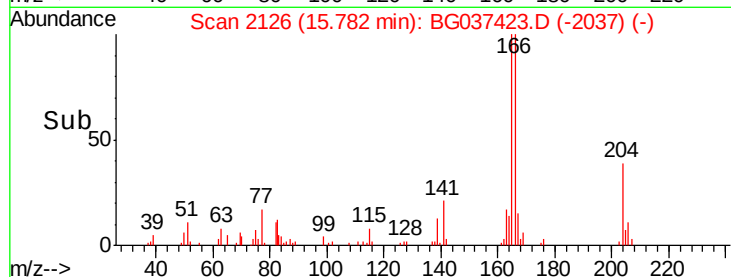
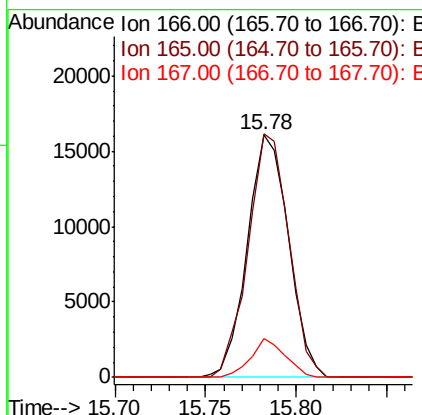
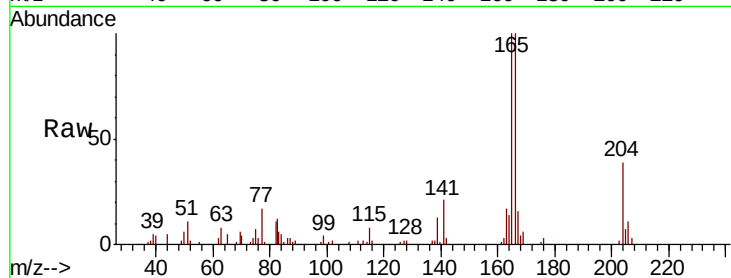




#58
 Fluorene
 Concen: 2.287 ng
 RT: 15.78 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

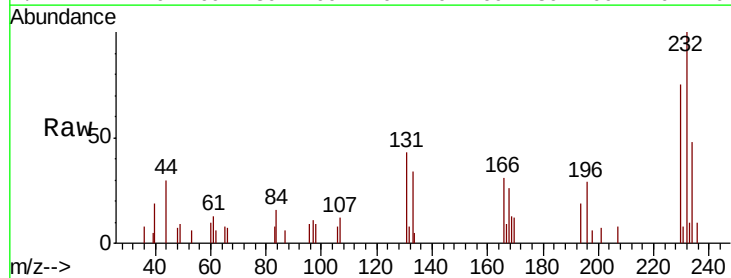
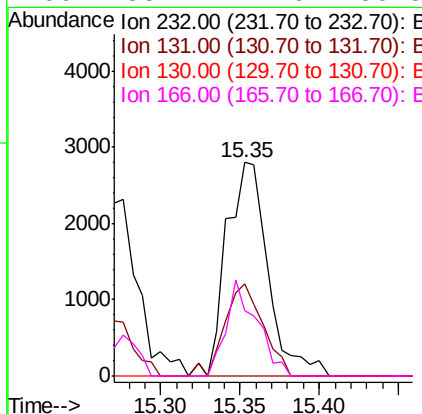
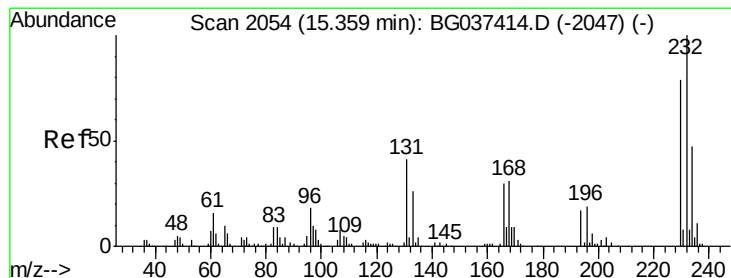
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

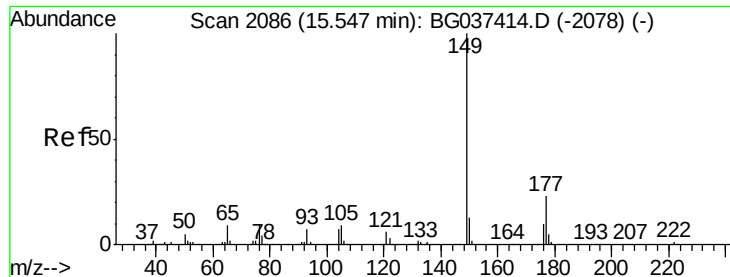
Tot Ion:166 Resp: 25413
 Ion Ratio Lower Upper
 166 100
 165 100.3 79.0 118.6
 167 16.0 11.3 16.9



#59
 2,3,4,6-Tetrachlorophenol
 Concen: 1.638 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.01 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

Tgt Ion:232 Resp: 5079
 Ion Ratio Lower Upper
 232 100
 131 39.9 33.7 50.5
 130 0.0 2.1 3.1#
 166 33.1 24.6 36.8

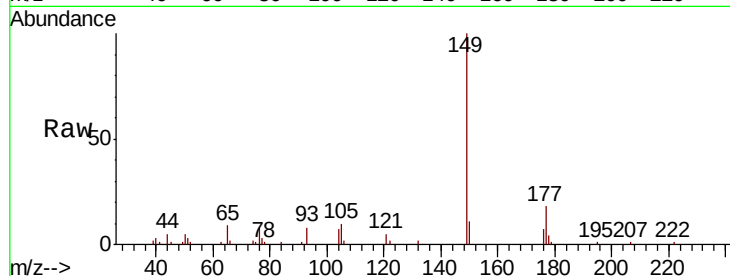




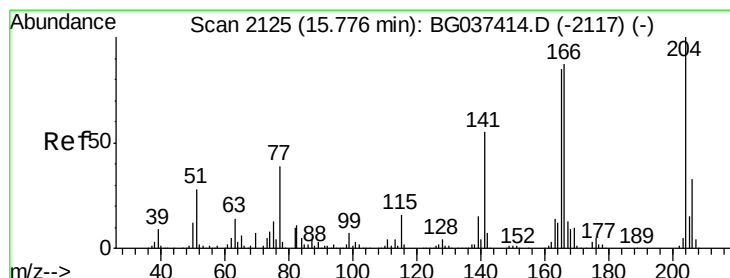
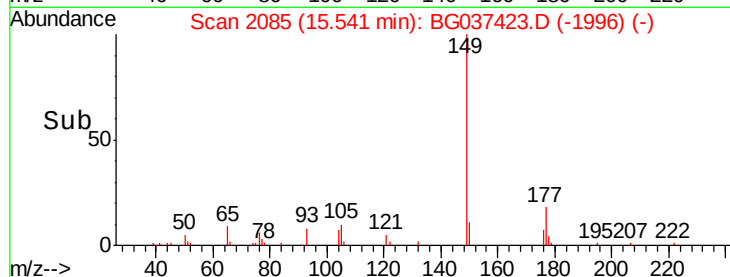
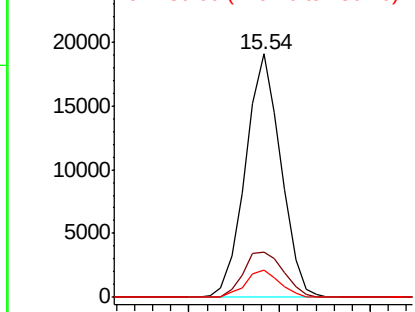
#60
Diethylphthalate
Concen: 2.101 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

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

Tot Ion:149 Resp: 25754
Ion Ratio Lower Upper
149 100
177 18.3 18.3 27.5
150 11.1 10.0 15.0

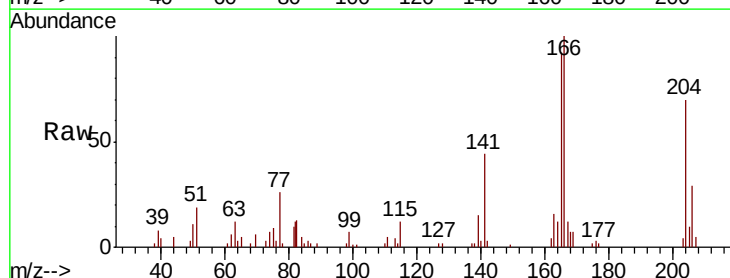


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

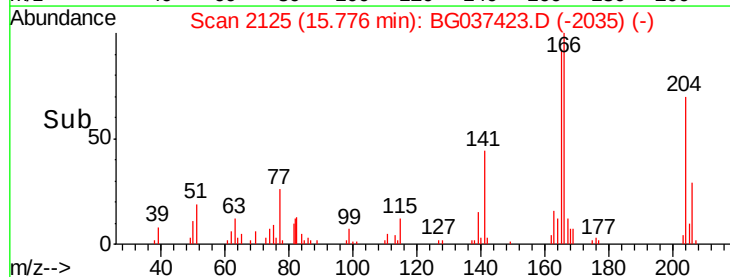
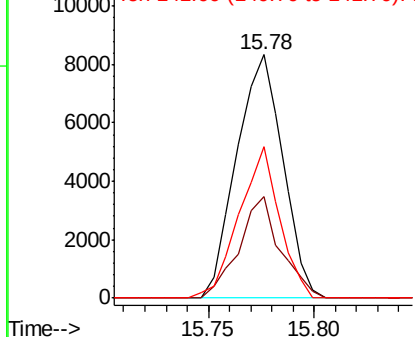


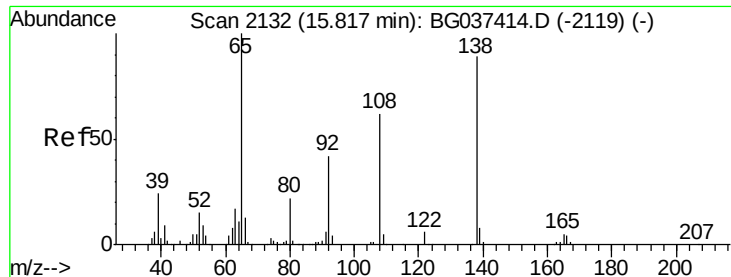
#61
4-Chlorophenyl-phenylether
Concen: 1.953 ng
RT: 15.78 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:204 Resp: 12652
Ion Ratio Lower Upper
204 100
206 41.6 26.6 39.8#
141 62.3 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

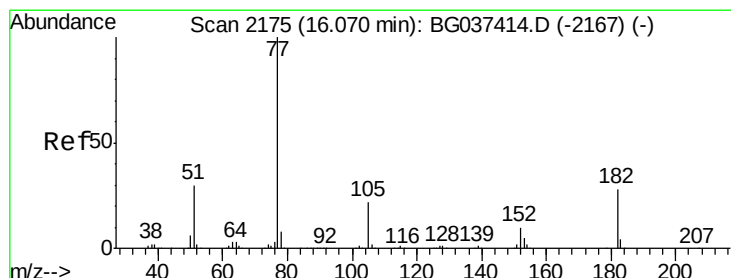
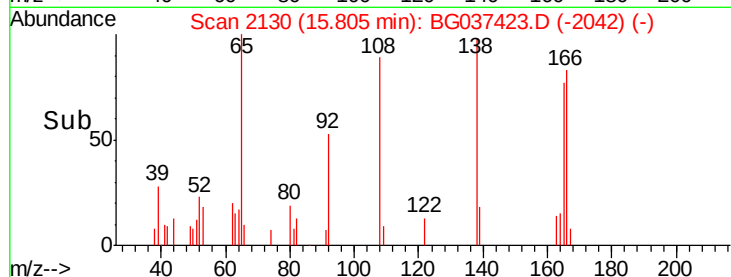
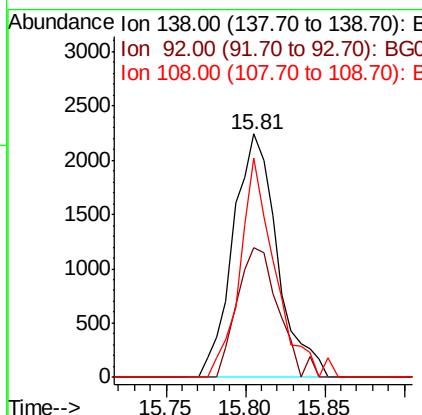
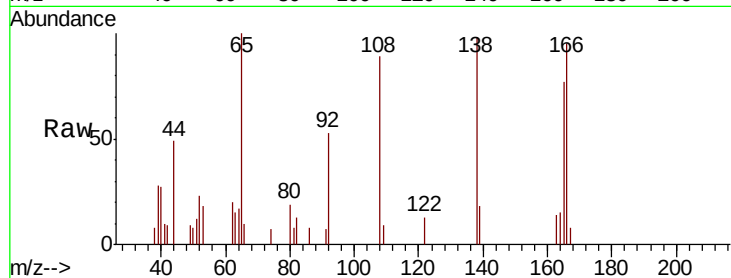




#62
4-Nitroaniline
Concen: 1.496 ng
RT: 15.81 min Scan# 2130
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

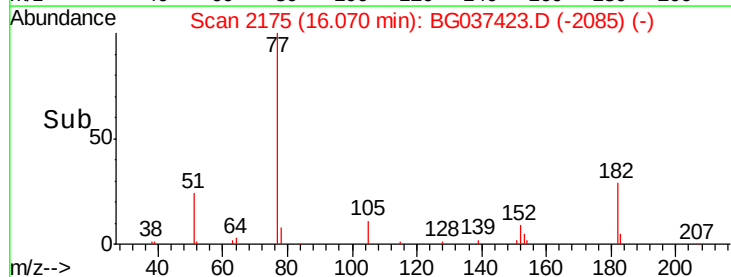
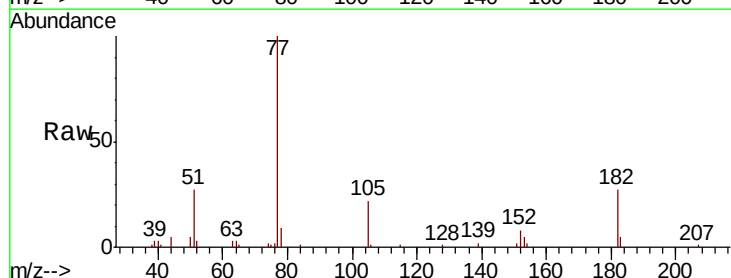
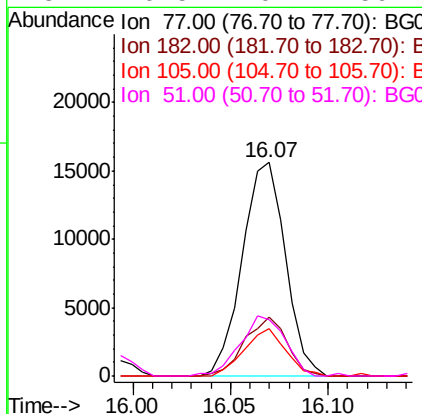
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

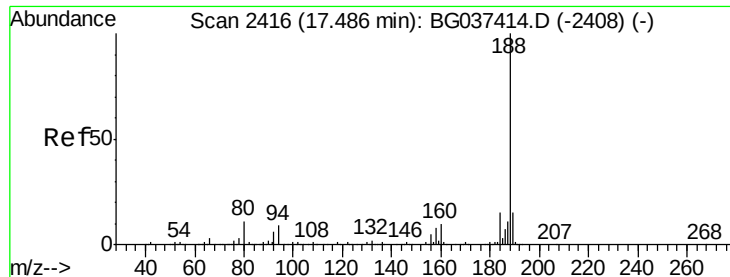
Tot Ion:138 Resp: 4359
Ion Ratio Lower Upper
138 100
92 53.5 36.4 76.4
108 90.1 60.1 100.1



#63
Azobenzene
Concen: 2.044 ng
RT: 16.07 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion: 77 Resp: 23903
Ion Ratio Lower Upper
77 100
182 27.4 8.0 48.0
105 22.5 1.3 41.3
51 26.5 10.7 50.7

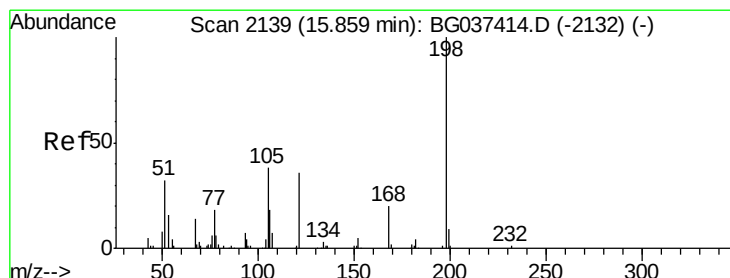
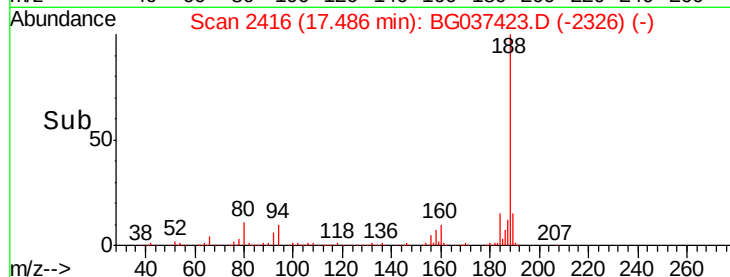
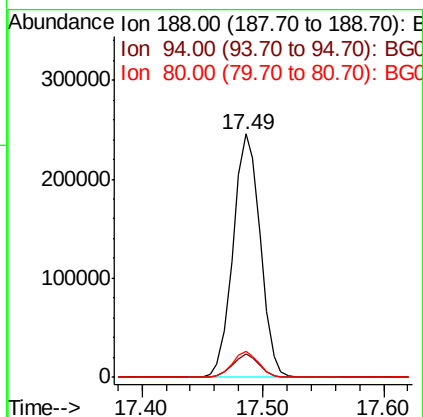
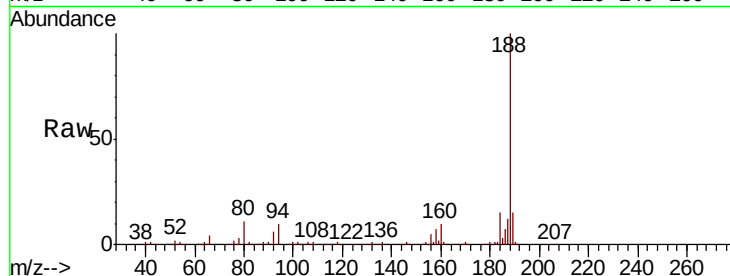




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

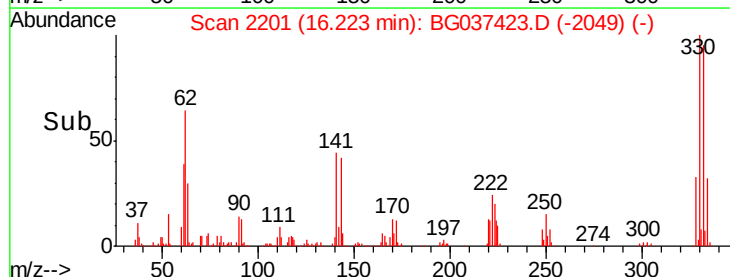
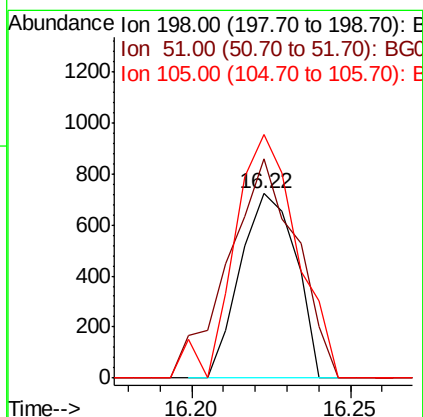
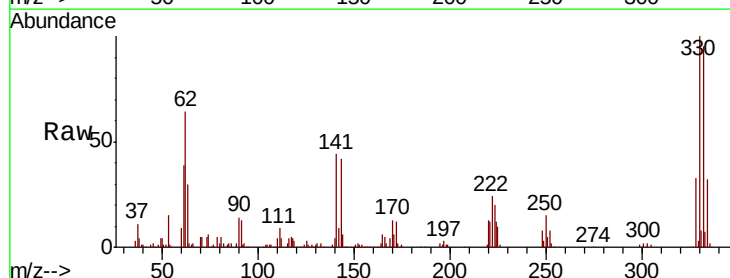
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

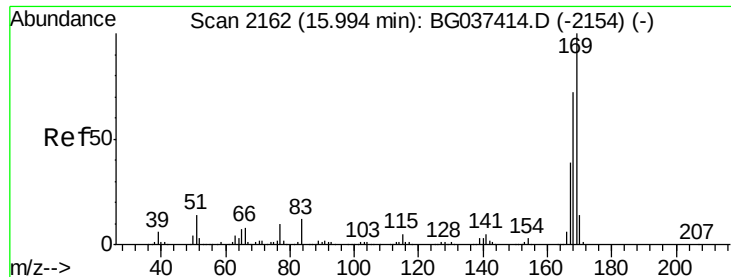
Tot Ion:188 Resp: 385297
Ion Ratio Lower Upper
188 100
94 9.8 7.2 10.8
80 10.6 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.867 ng
RT: 16.22 min Scan# 2201
Delta R.T. 0.36 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:198 Resp: 883
Ion Ratio Lower Upper
198 100
51 33.4 22.7 62.7
105 37.1 19.7 59.7





#66

n-Nitrosodiphenylamine

Concen: 1.929 ng

RT: 15.99 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

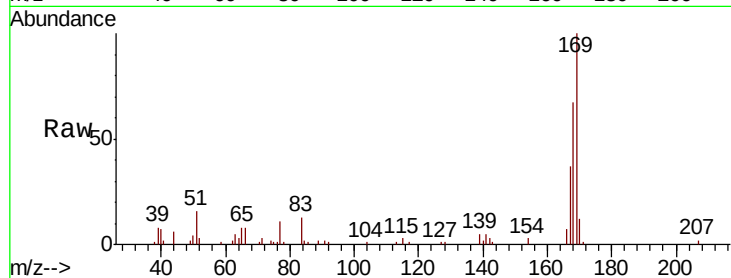
Tot Ion:169 Resp: 22360

Ion	Ratio	Lower	Upper
169	100		
168	67.4	55.7	83.5
167	37.5	31.3	46.9

169 100

168 67.4 55.7 83.5

167 37.5 31.3 46.9

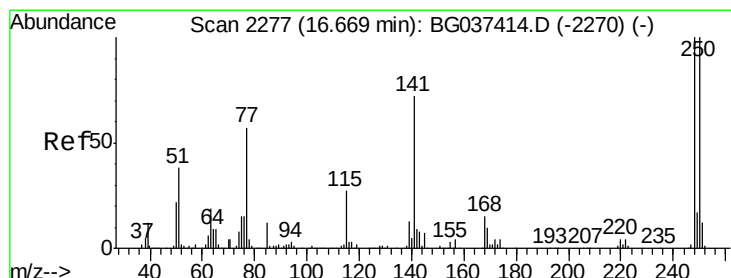
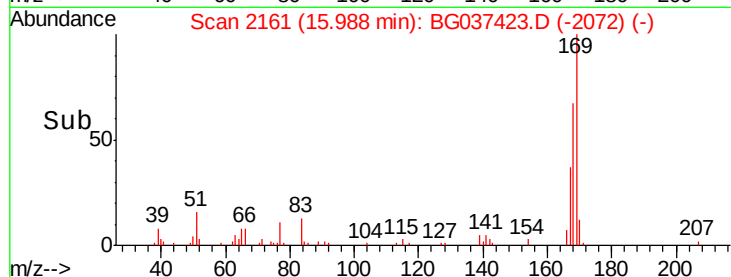
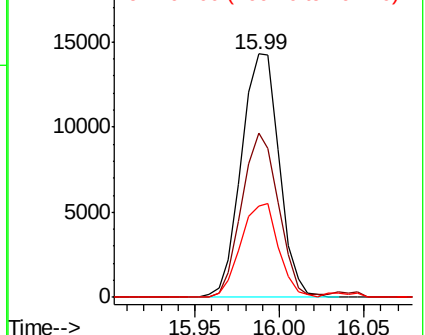


Abundance

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: 1.957 ng

RT: 16.67 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

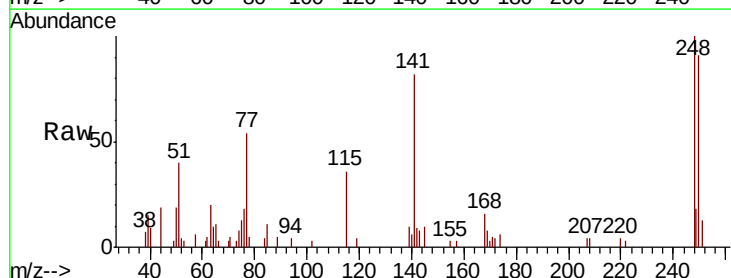
Tgt Ion:248 Resp: 8281

Ion	Ratio	Lower	Upper
248	100		
250	91.0	77.0	115.6
141	81.5	55.5	83.3

248 100

250 91.0 77.0 115.6

141 81.5 55.5 83.3

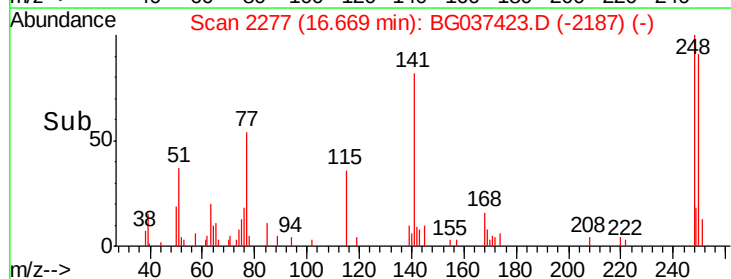
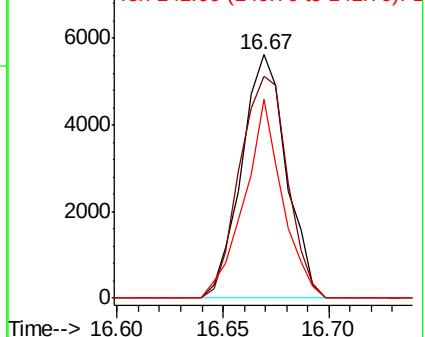


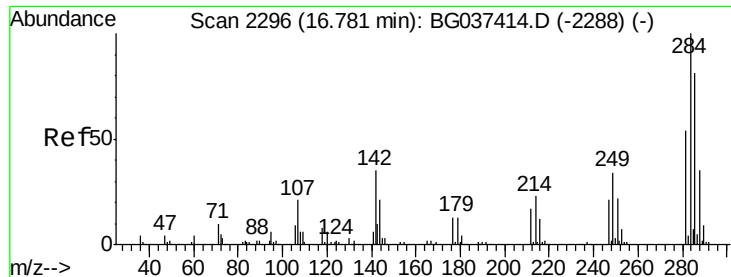
Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#68

Hexachlorobenzene

Concen: 1.899 ng

RT: 16.78 min Scan# 2296

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

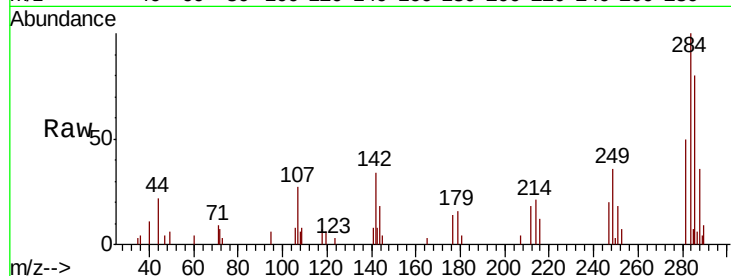
Tot Ion:284 Resp: 8329

Ion Ratio Lower Upper

284 100

142 34.2 28.1 42.1

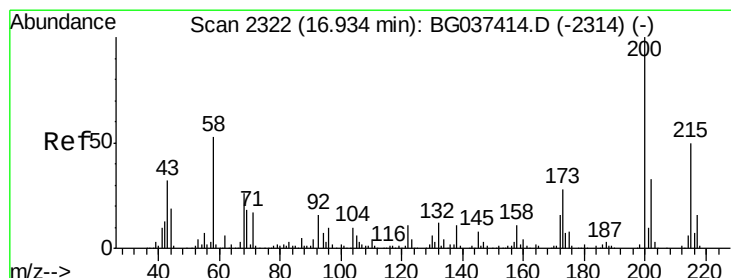
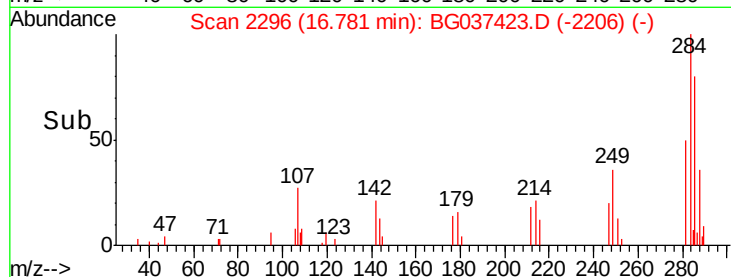
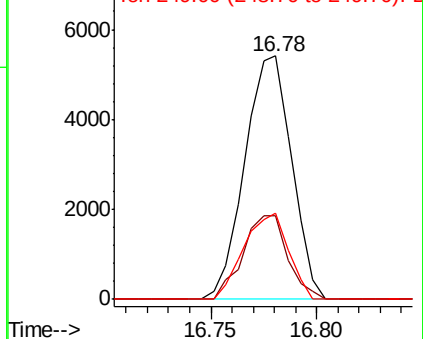
249 38.7 29.8 44.8



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: 1.731 ng

RT: 16.93 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

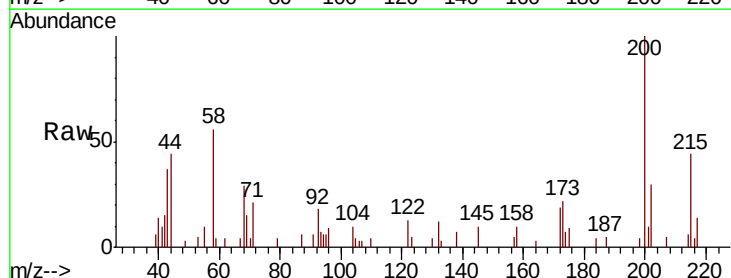
Tgt Ion:200 Resp: 7255

Ion Ratio Lower Upper

200 100

173 22.4 6.1 46.1

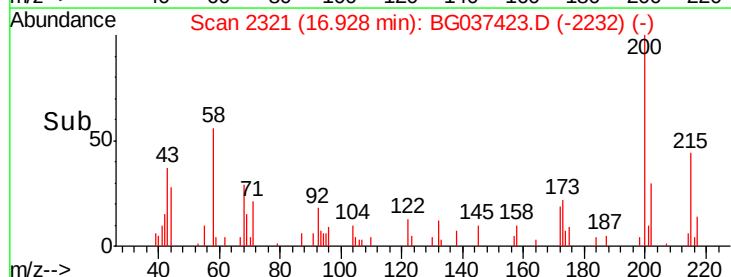
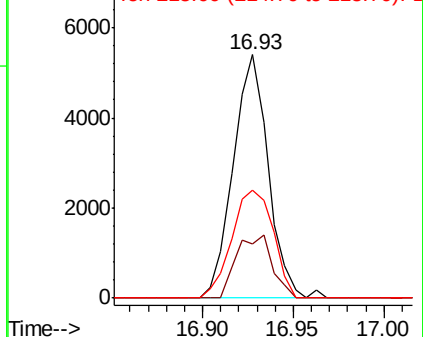
215 44.3 30.8 70.8

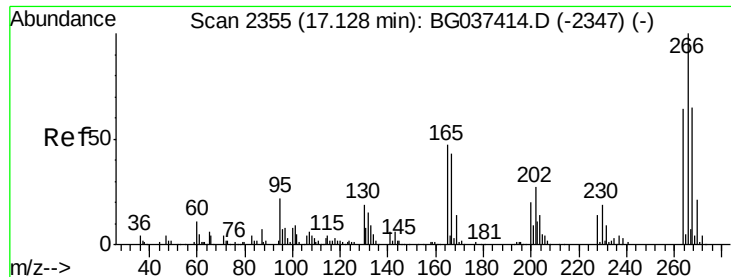


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

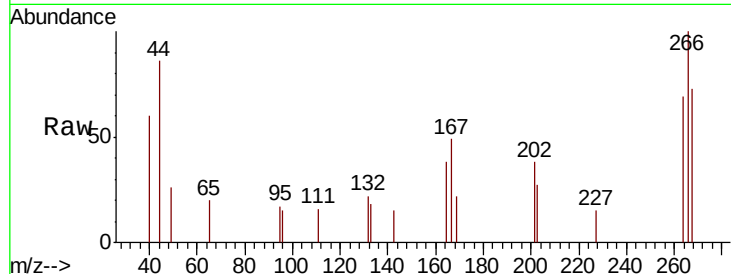




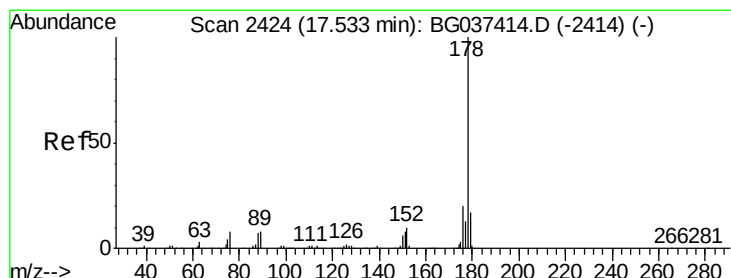
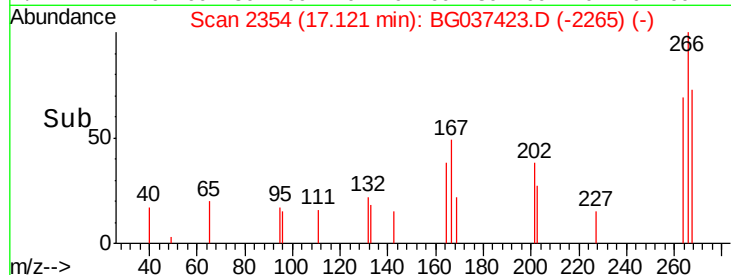
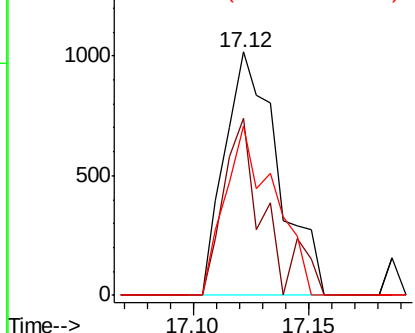
#70
 Pentachlorophenol
 Concen: 0.557 ng
 RT: 17.12 min Scan# 2354
 Delta R.T. -0.01 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

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

Tot Ion:266 Resp: 1636
 Ion Ratio Lower Upper
 266 100
 268 72.8 55.0 82.6
 264 69.4 58.9 88.3

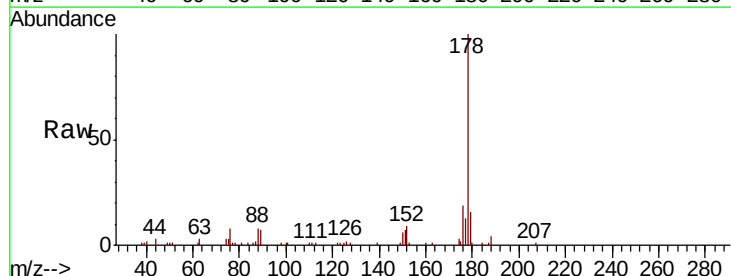


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

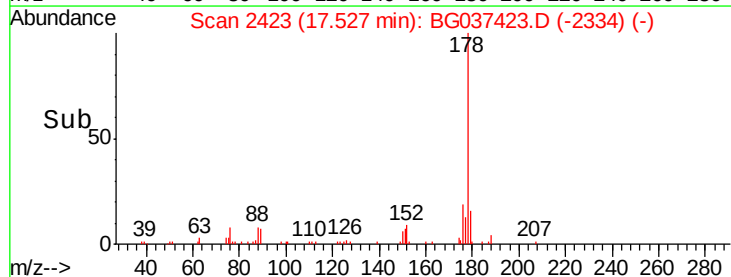
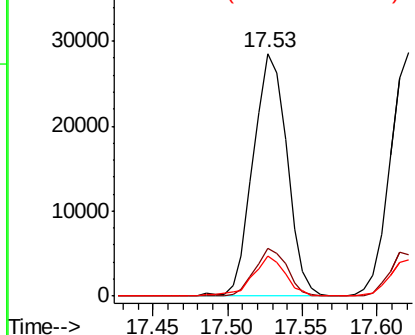


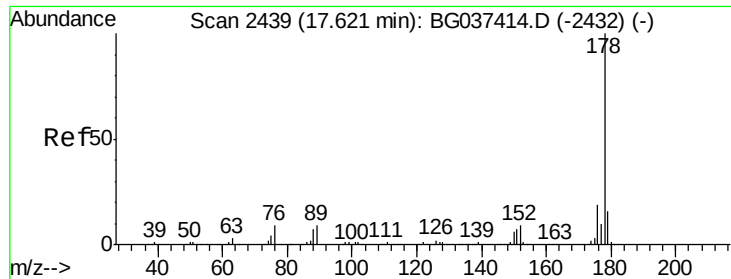
#71
 Phenanthrene
 Concen: 2.286 ng
 RT: 17.53 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

Tgt Ion:178 Resp: 44771
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.1 24.1
 179 16.5 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

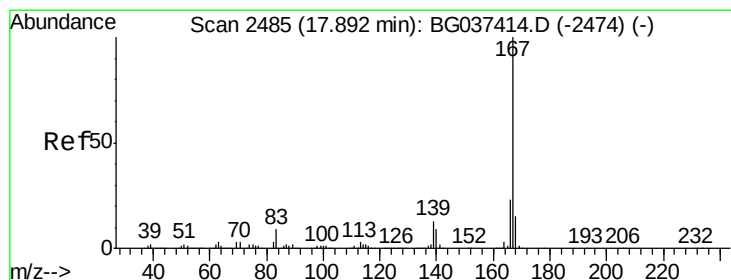
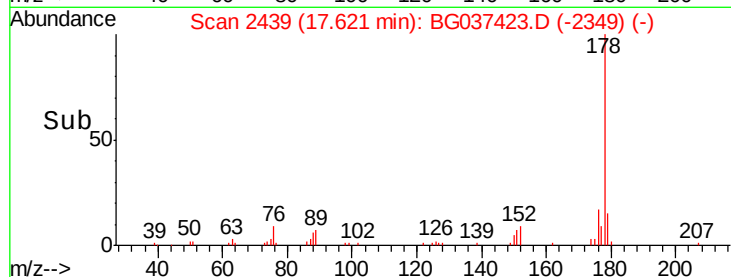
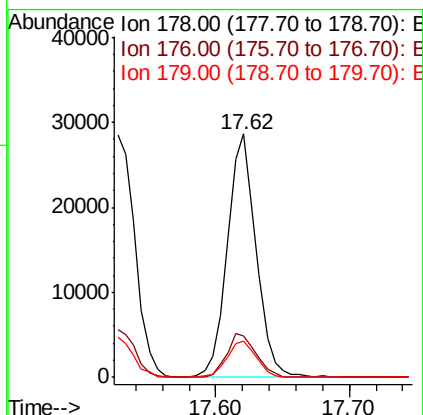
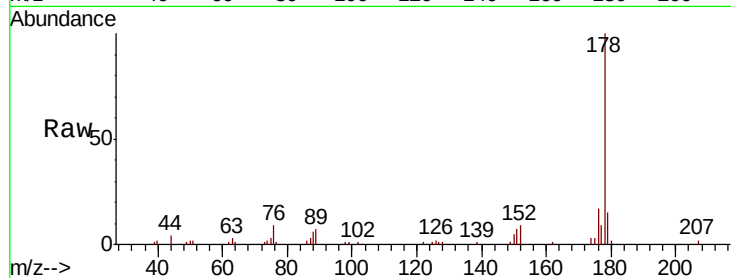




#72
 Anthracene
 Concen: 2.251 ng
 RT: 17.62 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

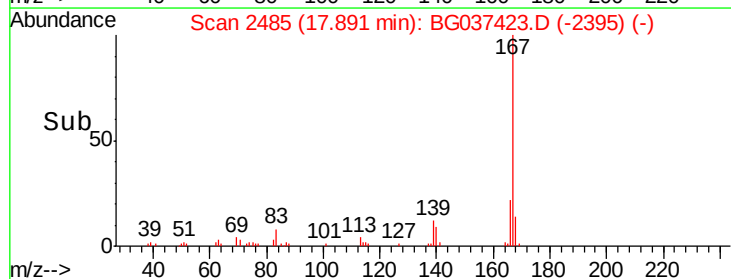
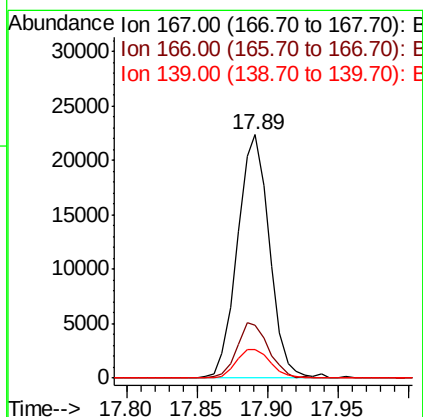
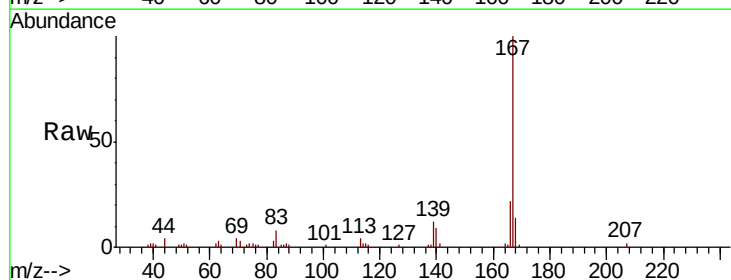
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

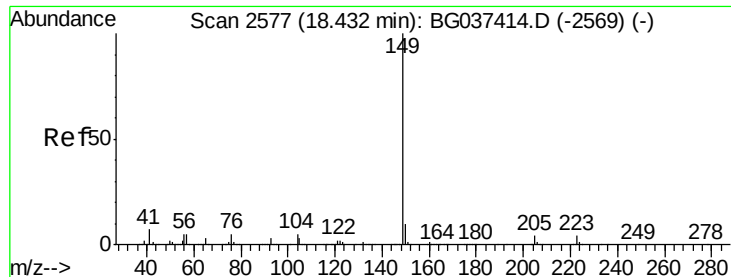
Tot Ion:178 Resp: 43267
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.0 22.4
 179 14.8 12.8 19.2



#73
 Carbazole
 Concen: 1.847 ng
 RT: 17.89 min Scan# 2485
 Delta R.T. -0.00 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

Tgt Ion:167 Resp: 35502
 Ion Ratio Lower Upper
 167 100
 166 21.6 18.3 27.5
 139 11.6 10.5 15.7

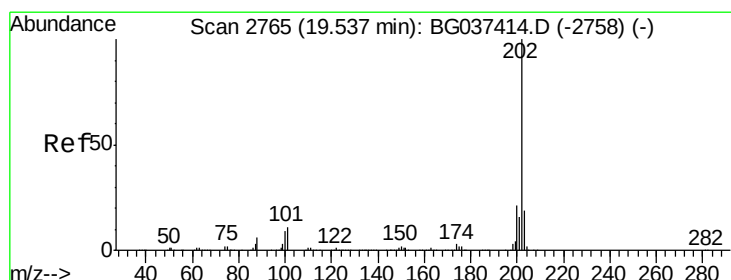
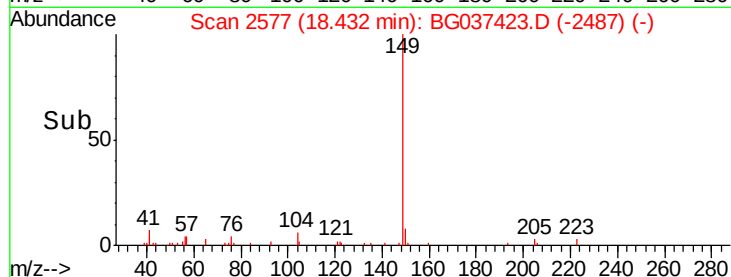
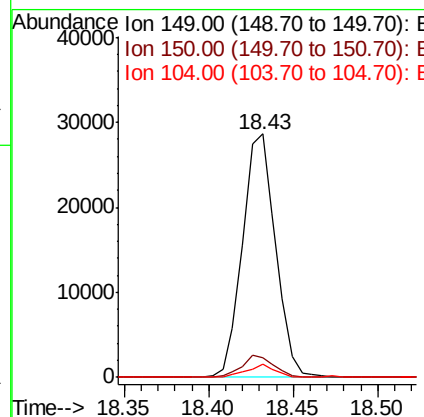
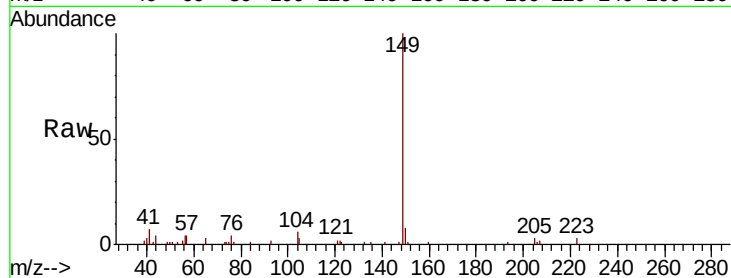




#74
Di-n-butylphthalate
Concen: 1.822 ng
RT: 18.43 min Scan# 2577
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

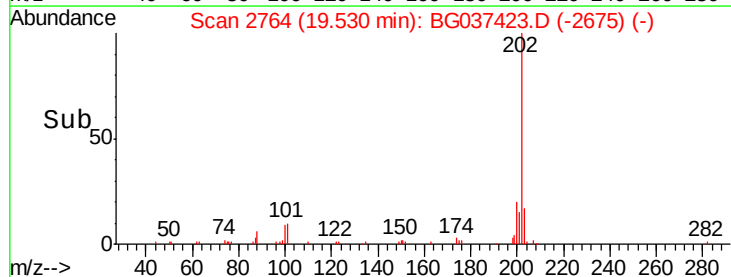
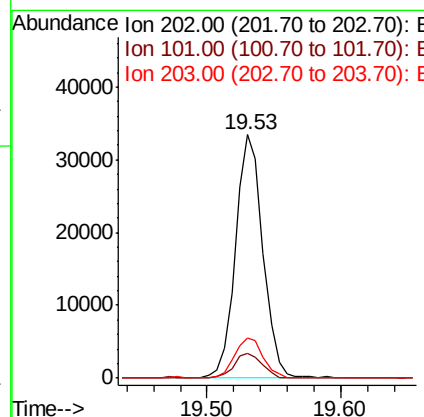
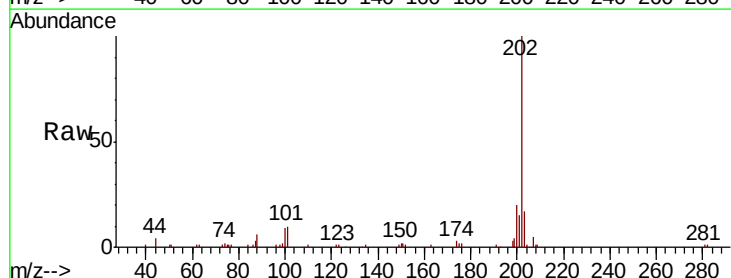
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

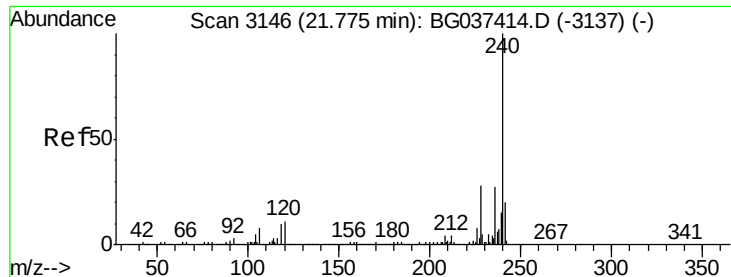
Tot Ion:149 Resp: 38968
Ion Ratio Lower Upper
149 100
150 8.1 8.2 12.2#
104 5.7 4.0 6.0



#75
Fluoranthene
Concen: 2.147 ng
RT: 19.53 min Scan# 2764
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:202 Resp: 47686
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.7
203 16.5 0.0 38.5

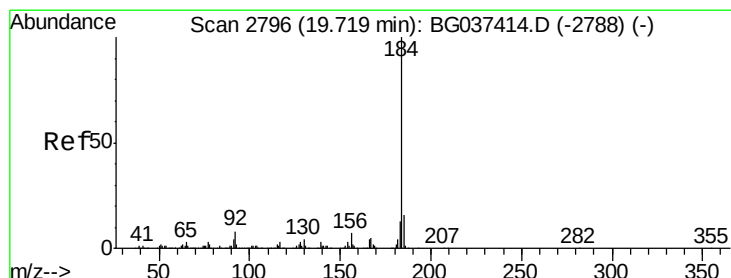
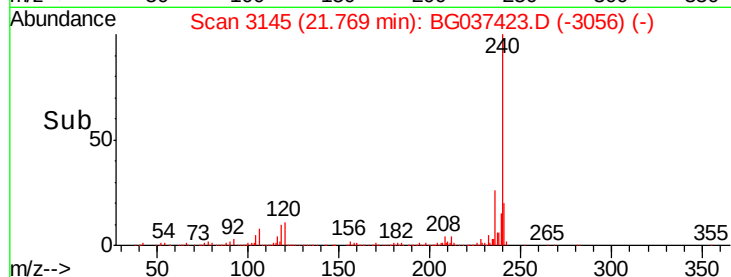
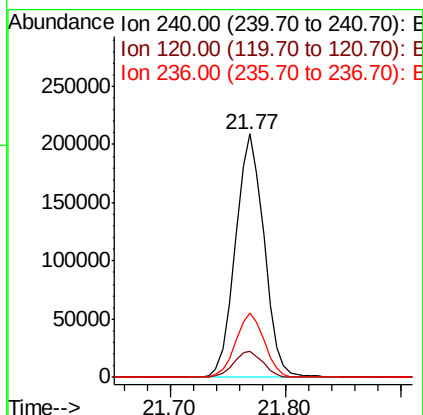
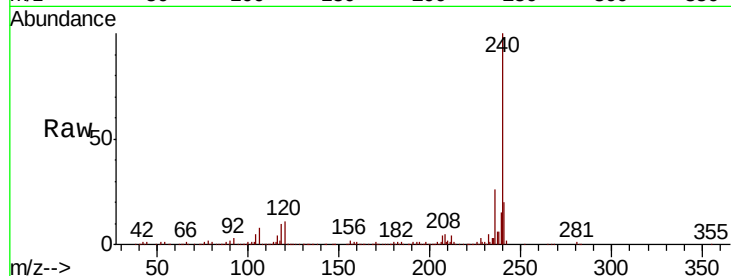




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

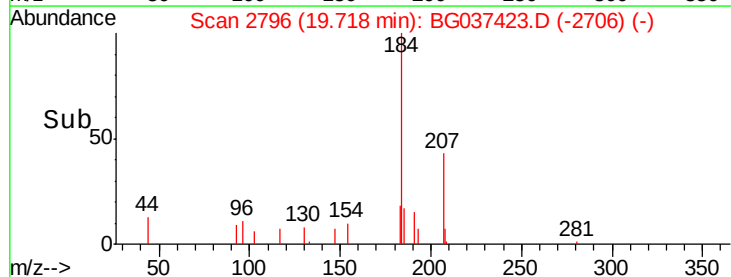
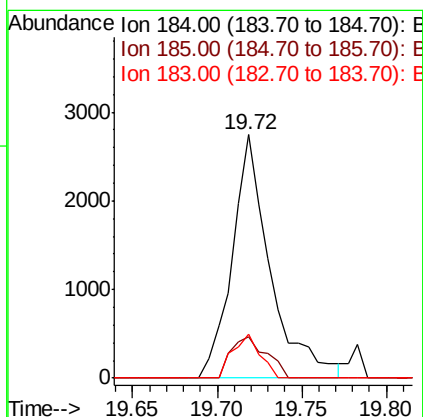
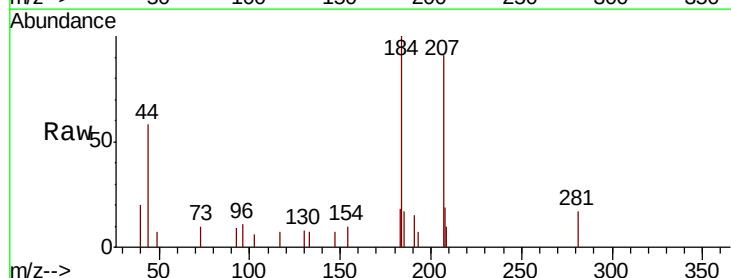
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

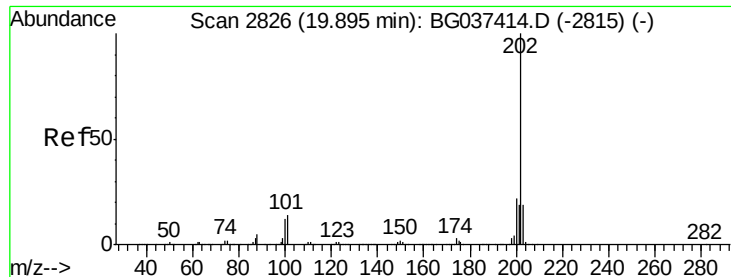
Tot Ion:240 Resp: 358446
Ion Ratio Lower Upper
240 100
120 10.9 8.1 12.1
236 26.5 21.4 32.0



#77
Benzidine
Concen: 0.353 ng
RT: 19.72 min Scan# 2796
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion:184 Resp: 4302
Ion Ratio Lower Upper
184 100
185 16.8 12.6 18.8
183 17.9 10.2 15.2#





#78

Pvrene

Concen: 2.081 ng

RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

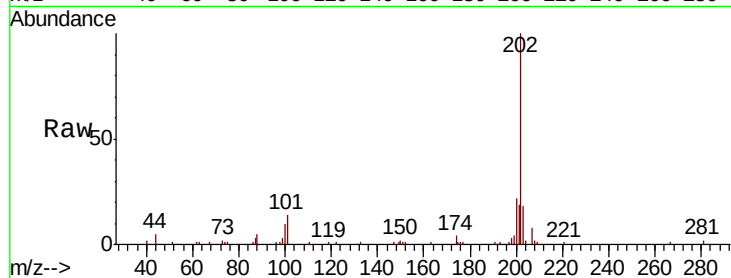
Tot Ion:202 Resp: 48765

Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.6

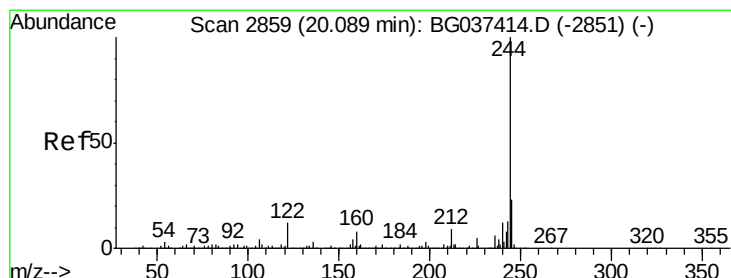
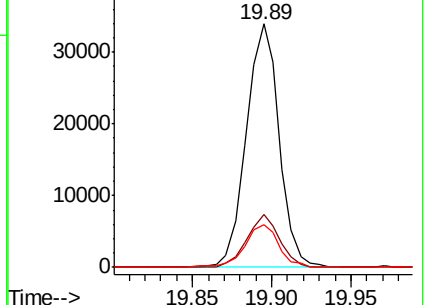
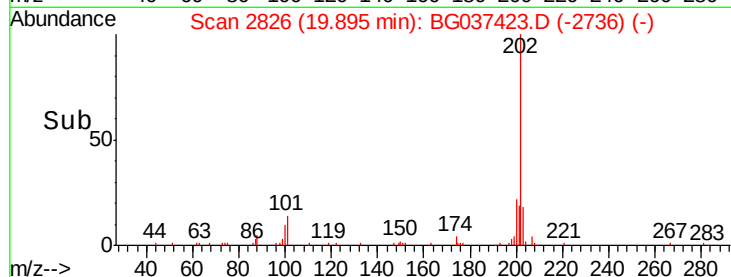
203 17.7 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 78.527 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

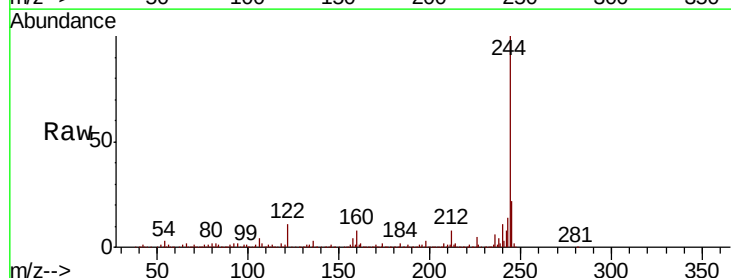
Tgt Ion:244 Resp: 1317310

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

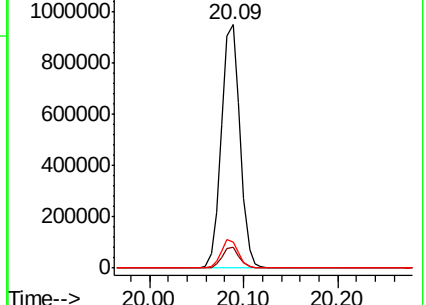
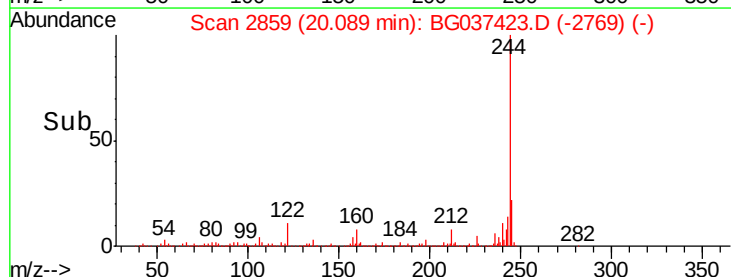
122 10.8 9.0 13.4

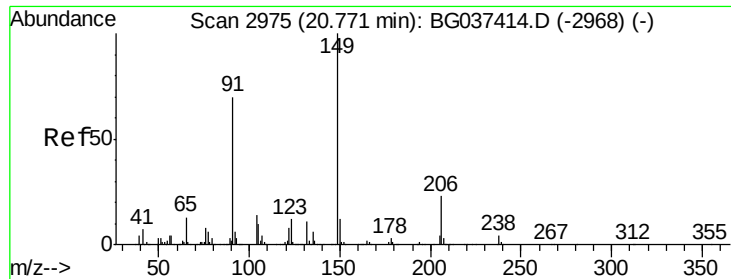


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

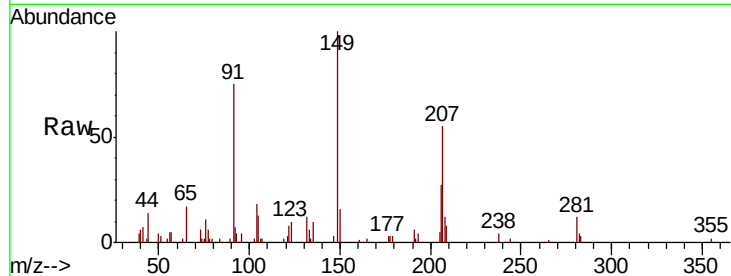




#80
Butylbenzylphthalate
Concen: 1.595 ng
RT: 20.77 min Scan# 2975
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

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

Tot Ion	Ratio	Lower	Upper
149	100		
91	75.2	57.0	85.4
206	27.3	17.8	26.6

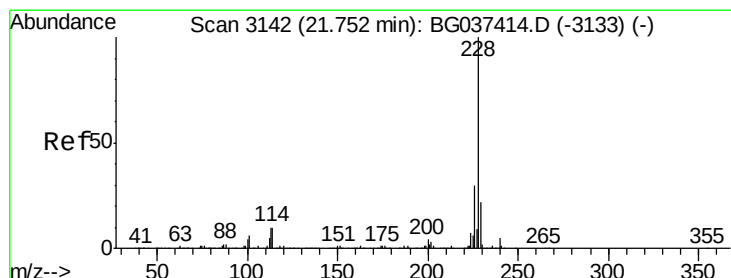
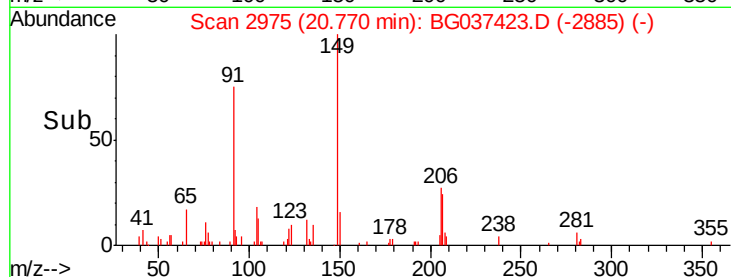
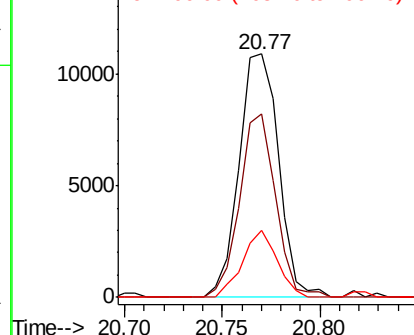


Abundance

Ion 149.00 (148.70 to 149.70): E

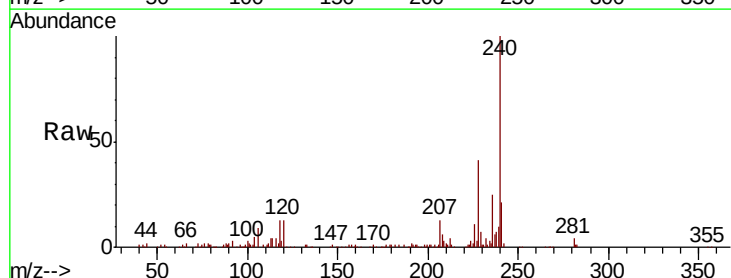
Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#81
Benzo(a)anthracene
Concen: 2.133 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.6	33.8
229	17.4	16.3	24.5

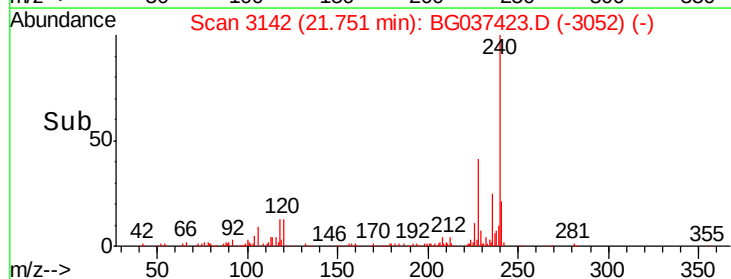
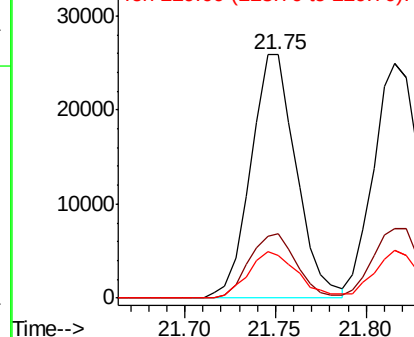


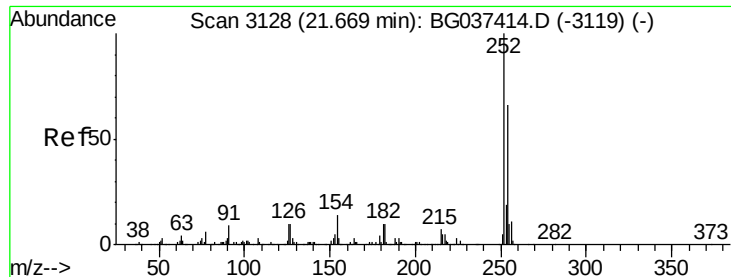
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

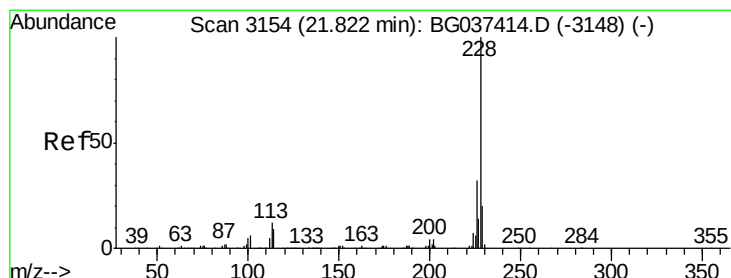
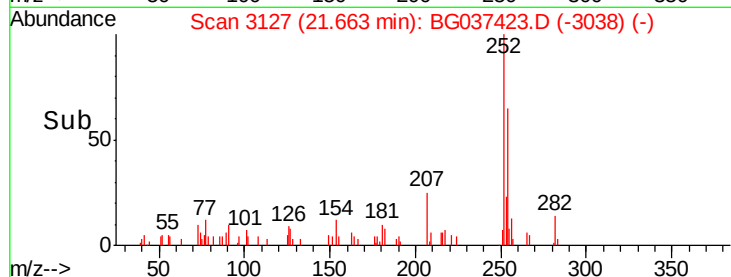
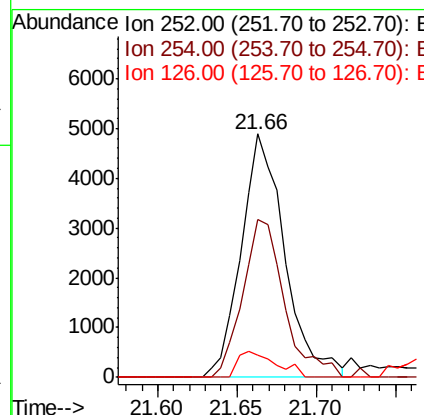
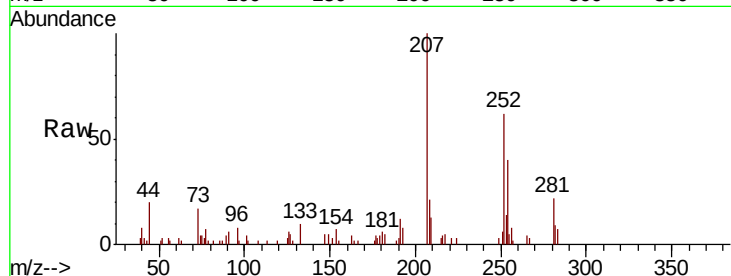




#82
 3,3'-Dichlorobenzidine
 Concen: 1.134 ng
 RT: 21.66 min Scan# 3127
 Delta R.T. -0.01 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

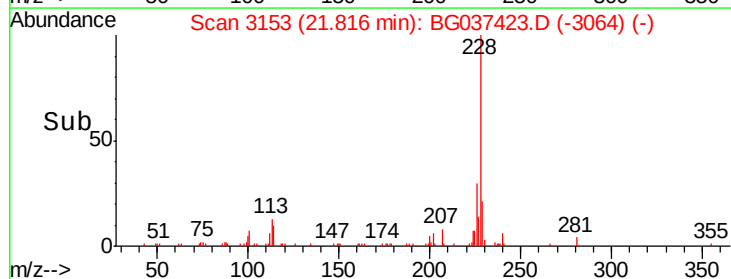
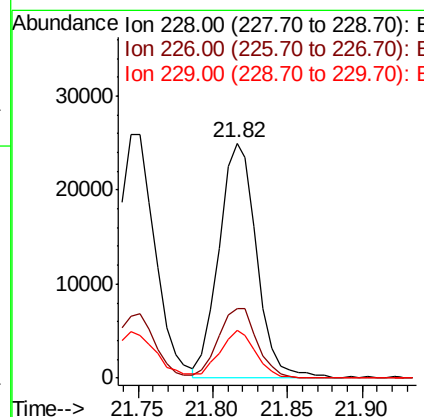
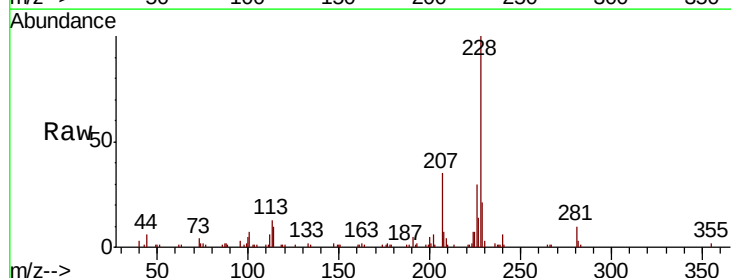
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

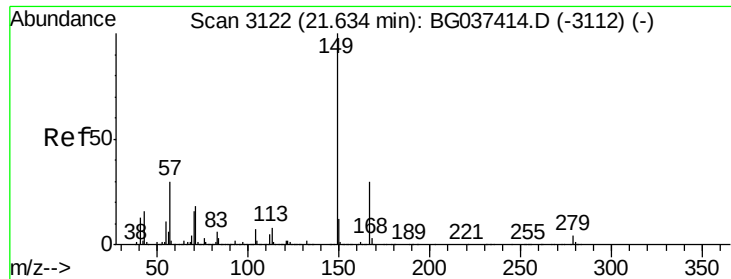
Tot Ion:252 Resp: 9316
 Ion Ratio Lower Upper
 252 100
 254 65.1 52.0 78.0
 126 9.1 8.2 12.4



#83
 Chrysene
 Concen: 2.161 ng
 RT: 21.82 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: BG037423.D
 Acq: 18 Oct 2018 17:19

Tgt Ion:228 Resp: 44053
 Ion Ratio Lower Upper
 228 100
 226 29.9 25.7 38.5
 229 20.6 16.5 24.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.612 ng

RT: 21.63 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

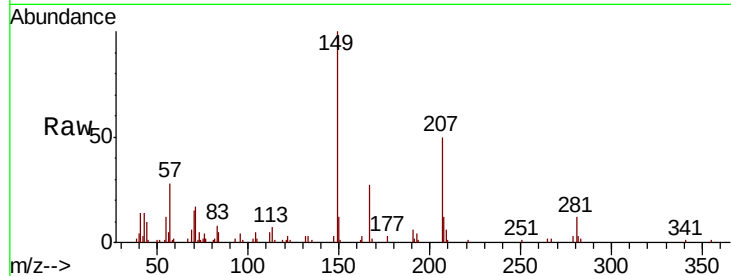
Tot Ion:149 Resp: 21668

Ion Ratio Lower Upper

149 100

167 26.7 23.0 34.4

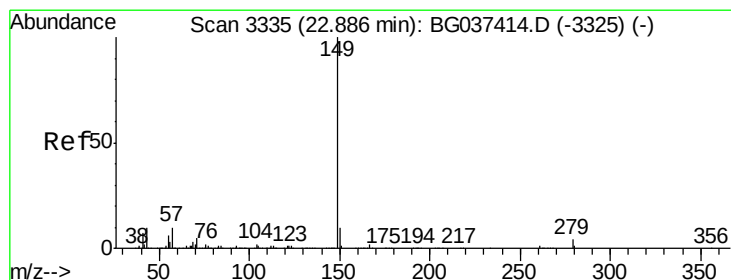
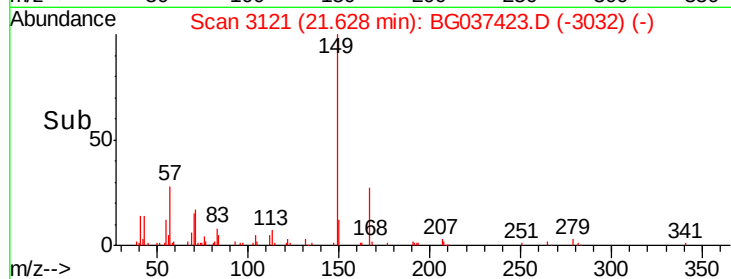
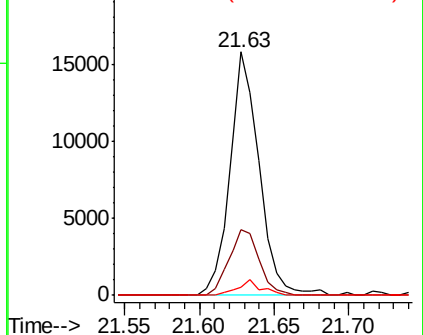
279 3.5 3.6 5.4#



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: 1.561 ng

RT: 22.88 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

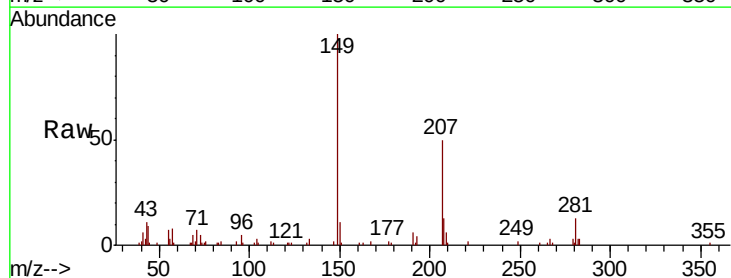
Tgt Ion:149 Resp: 34218

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

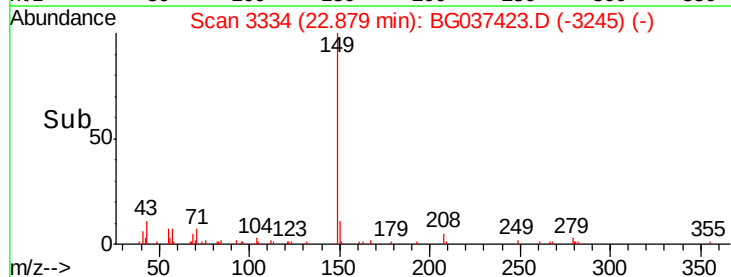
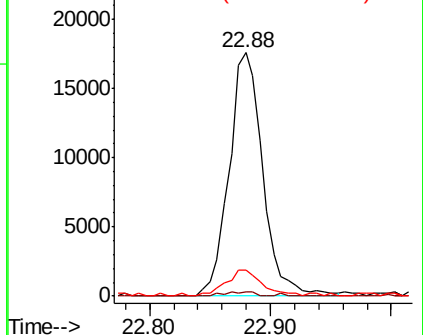
43 11.5 8.7 13.1

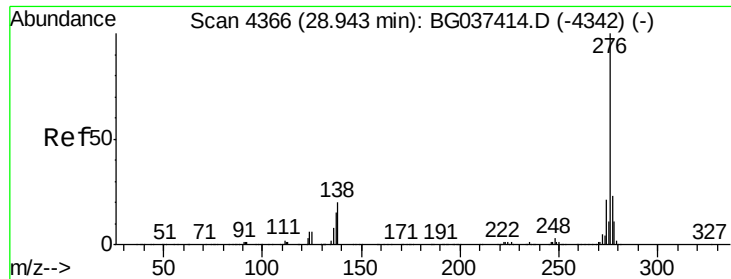


Abundance Ion 149.00 (148.70 to 149.70): E

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: 1.163 ng

RT: 28.93 min Scan# 4363

Delta R.T. -0.02 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

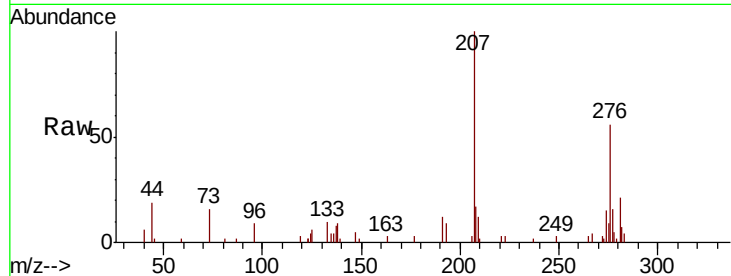
Tot Ion:276 Resp: 25438

Ion Ratio Lower Upper

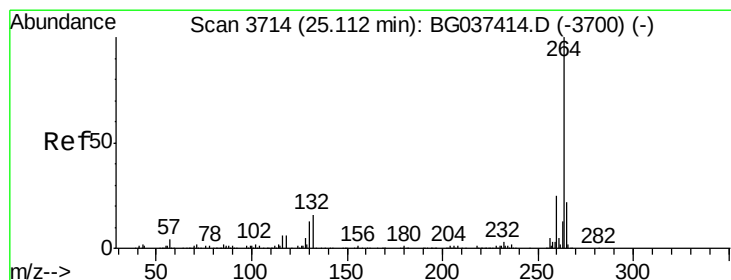
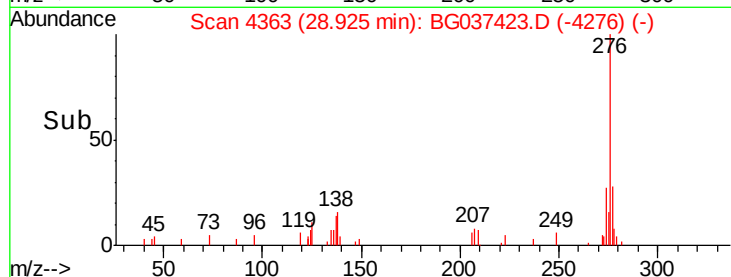
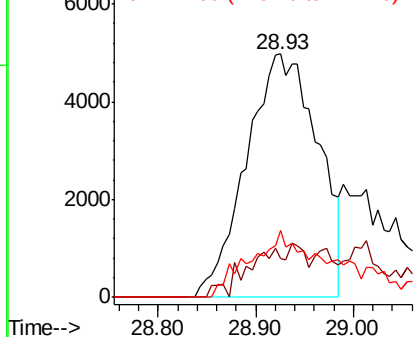
276 100

138 3.9 12.0 18.0#

277 23.5 20.6 30.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

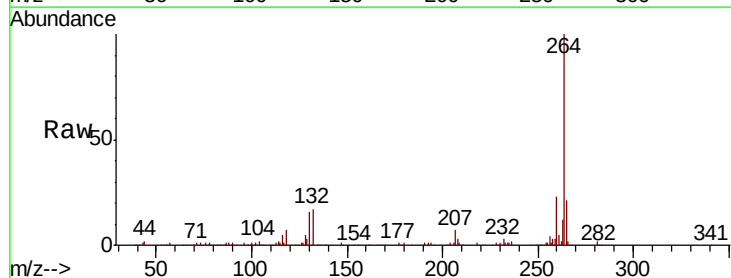
Tgt Ion:264 Resp: 357615

Ion Ratio Lower Upper

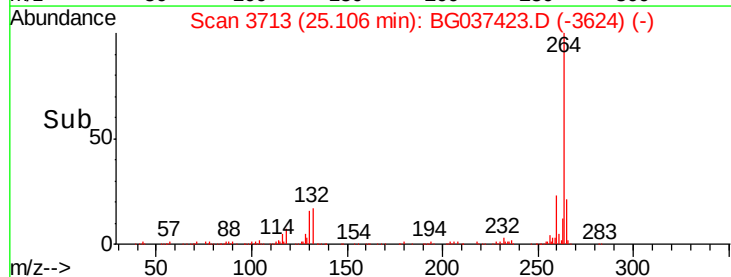
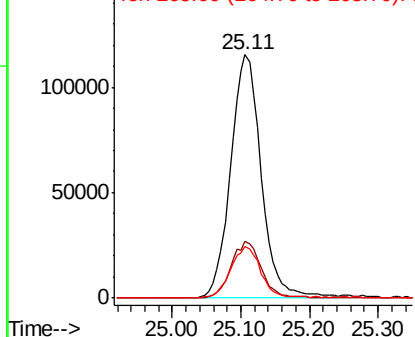
264 100

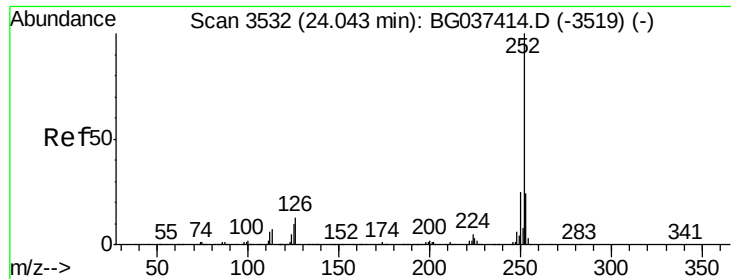
260 23.1 18.2 27.4

265 20.9 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

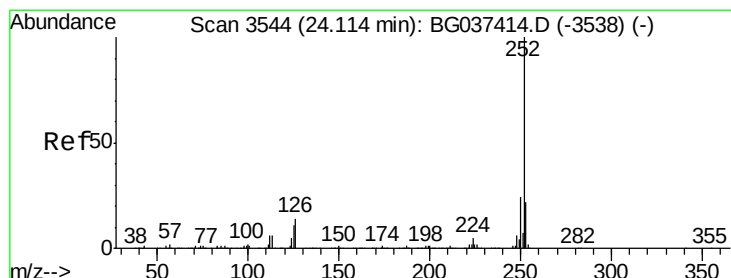
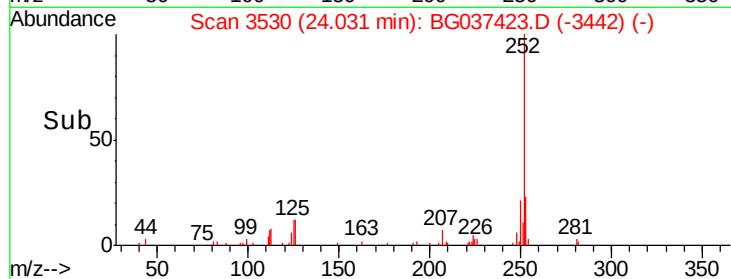
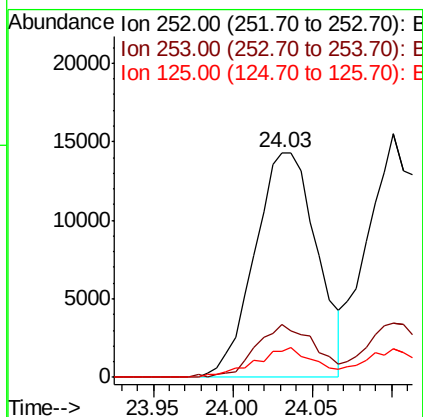
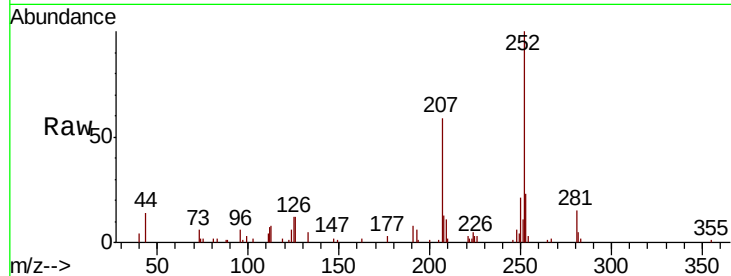




#88
Benzo(b)fluoranthene
Concen: 1.989 ng
RT: 24.03 min Scan# 3530
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

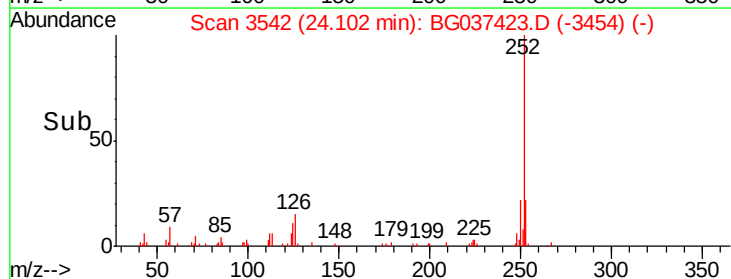
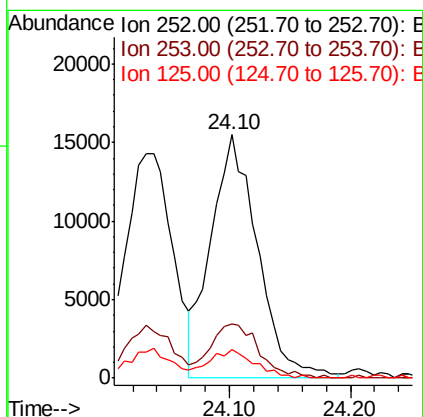
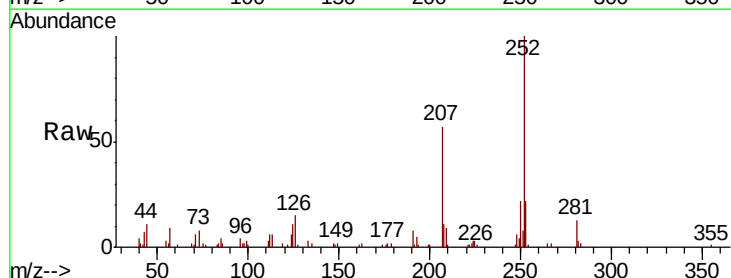
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

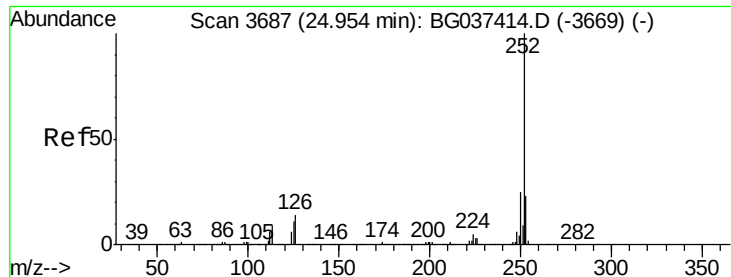
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	11.5	7.8	11.6



#89
Benzo(k)fluoranthene
Concen: 2.160 ng
RT: 24.10 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG037423.D
Acq: 18 Oct 2018 17:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	11.5	7.4	11.0#





#90

Benzo(a)pyrene

Concen: 2.009 ng

RT: 24.95 min Scan# 3686

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

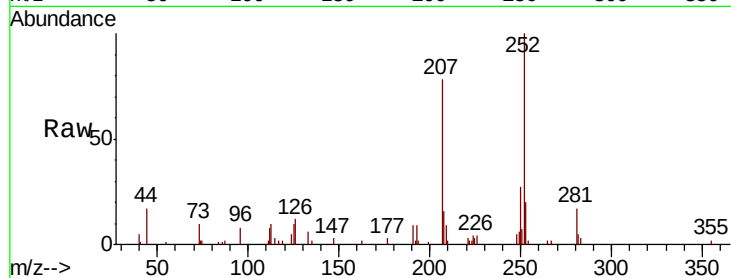
Tot Ion:252 Resp: 37421

Ion Ratio Lower Upper

252 100

253 20.0 17.4 26.2

125 10.0 9.0 13.6

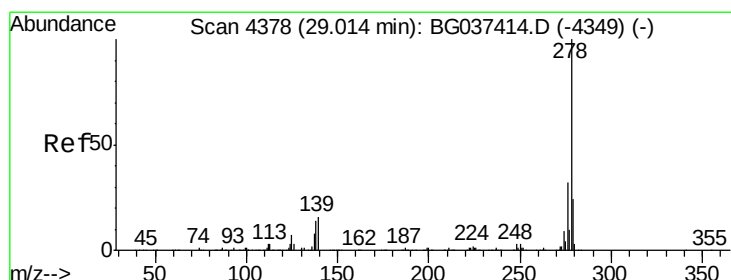
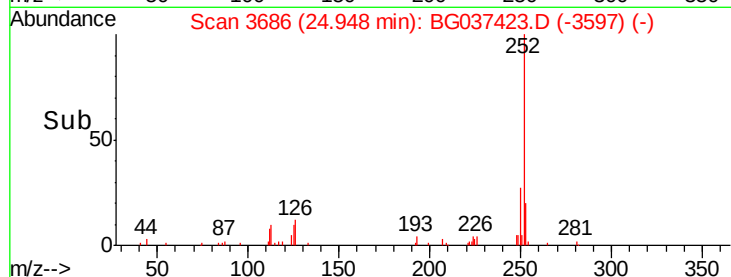
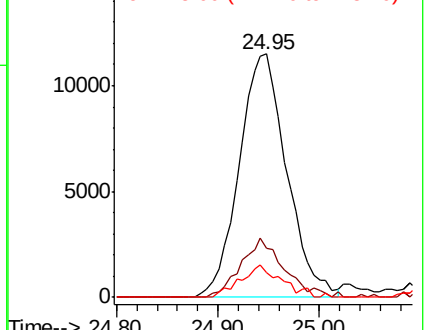


Abundance

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: 1.624 ng

RT: 29.01 min Scan# 4377

Delta R.T. -0.01 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

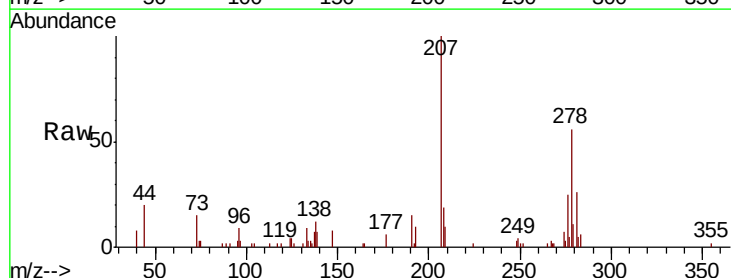
Tgt Ion:278 Resp: 27902

Ion Ratio Lower Upper

278 100

139 12.4 11.5 17.3

279 20.0 18.6 27.8

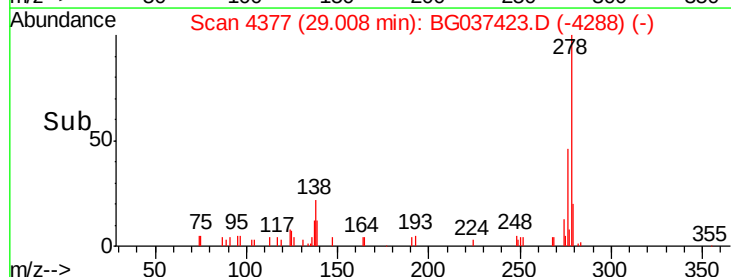
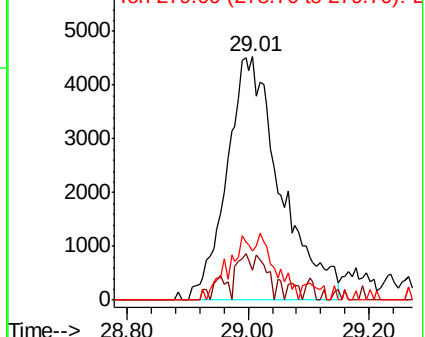


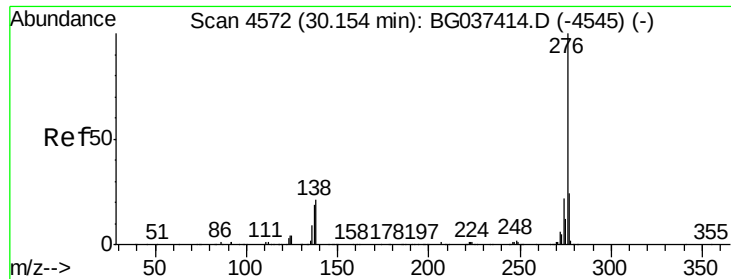
Abundance

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: 1.771 ng

RT: 30.13 min Scan# 4568

Delta R.T. -0.02 min

Lab File: BG037423.D

Acq: 18 Oct 2018 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

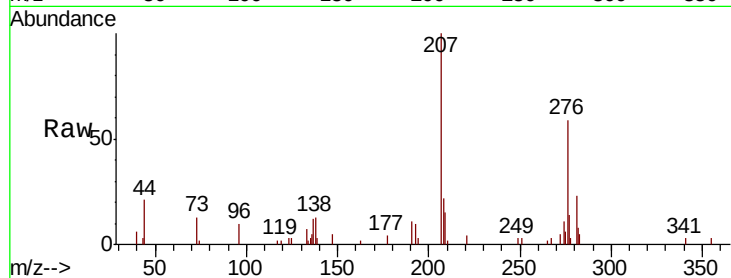
Tot Ion: 276 Resp: 30794

Ion Ratio Lower Upper

276 100

277 23.4 18.9 28.3

138 27.8 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

