

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037429.D
 Acq On : 18 Oct 2018 21:13
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 5 PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Quant Time: Oct 19 07:00:31 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	51187	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	233896	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	157985	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	389590	20.00	ng	0.00
76) Chrysene-d12	21.77	240	358350	20.00	ng	0.00
87) Perylene-d12	25.10	264	360363	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	432957	141.41	ng	0.00
7) Phenol-d6	7.25	99	631427	136.39	ng	0.00
23) Nitrobenzene-d5	9.28	82	346527	82.99	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	244404	141.84	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	855529	81.66	ng	0.00
79) Terphenyl-d14	20.09	244	1306607	77.91	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	6675	4.299	ng	# 88
3) Pyridine	3.95	79	18858	4.819	ng	# 88
4) n-Nitrosodimethylamine	3.86	42	9098	6.527	ng	# 92
6) Aniline	7.43	93	17966	3.181	ng	# 92
8) 2-Chlorophenol	7.67	128	17849	4.983	ng	# 96
9) Benzaldehyde	7.25	77	13240	4.572	ng	# 99
10) Phenol	7.27	94	25009	5.120	ng	# 92
11) bis(2-Chloroethyl)ether	7.52	93	18709	5.043	ng	# 90
12) 1,3-Dichlorobenzene	7.99	146	20643	5.177	ng	# 95
13) 1,4-Dichlorobenzene	8.15	146	19806	4.856	ng	# 96
14) 1,2-Dichlorobenzene	8.46	146	18944	4.828	ng	# 98
15) Benzyl Alcohol	8.35	79	15566	4.550	ng	# 98
16) 2,2'-oxybis(1-Chloropropan	8.62	45	34066	5.132	ng	# 98
17) 2-Methylphenol	8.54	107	15516	4.805	ng	# 96
18) Hexachloroethane	9.19	117	7202	5.179	ng	# 90
19) n-Nitroso-di-n-propylamine	8.91	70	14886	4.669	ng	# 92
20) 3+4-Methylphenols	8.86	107	21791	4.720	ng	# 95
22) Acetophenone	8.93	105	29326	4.999	ng	# 98
24) Nitrobenzene	9.33	77	23731	5.471	ng	# 96
25) Isophorone	9.84	82	39793	5.216	ng	# 97
26) 2-Nitrophenol	10.03	139	7780	3.982	ng	# 87
27) 2,4-Dimethylphenol	10.08	122	19539	5.600	ng	# 95
28) bis(2-Chloroethoxy)methane	10.32	93	26173	5.236	ng	# 98
29) 2,4-Dichlorophenol	10.57	162	18618	4.793	ng	# 91
30) 1,2,4-Trichlorobenzene	10.79	180	20792	4.922	ng	# 90
31) Naphthalene	10.98	128	64984	5.657	ng	# 99
32) Benzoic acid	10.12	122	3603	1.590	ng	# 89
33) 4-Chloroaniline	11.09	127	17808	3.299	ng	# 97
34) Hexachlorobutadiene	11.24	225	11960	4.777	ng	# 92
35) Caprolactam	11.90	113	294	0.189	ng	# 76
36) 4-Chloro-3-methylphenol	12.18	107	20732	4.732	ng	# 96
37) 2-Methylnaphthalene	12.58	142	48202	5.756	ng	# 97
38) 1-Methylnaphthalene	12.80	142	45808	5.632	ng	# 94
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	24607	4.829	ng	# 99

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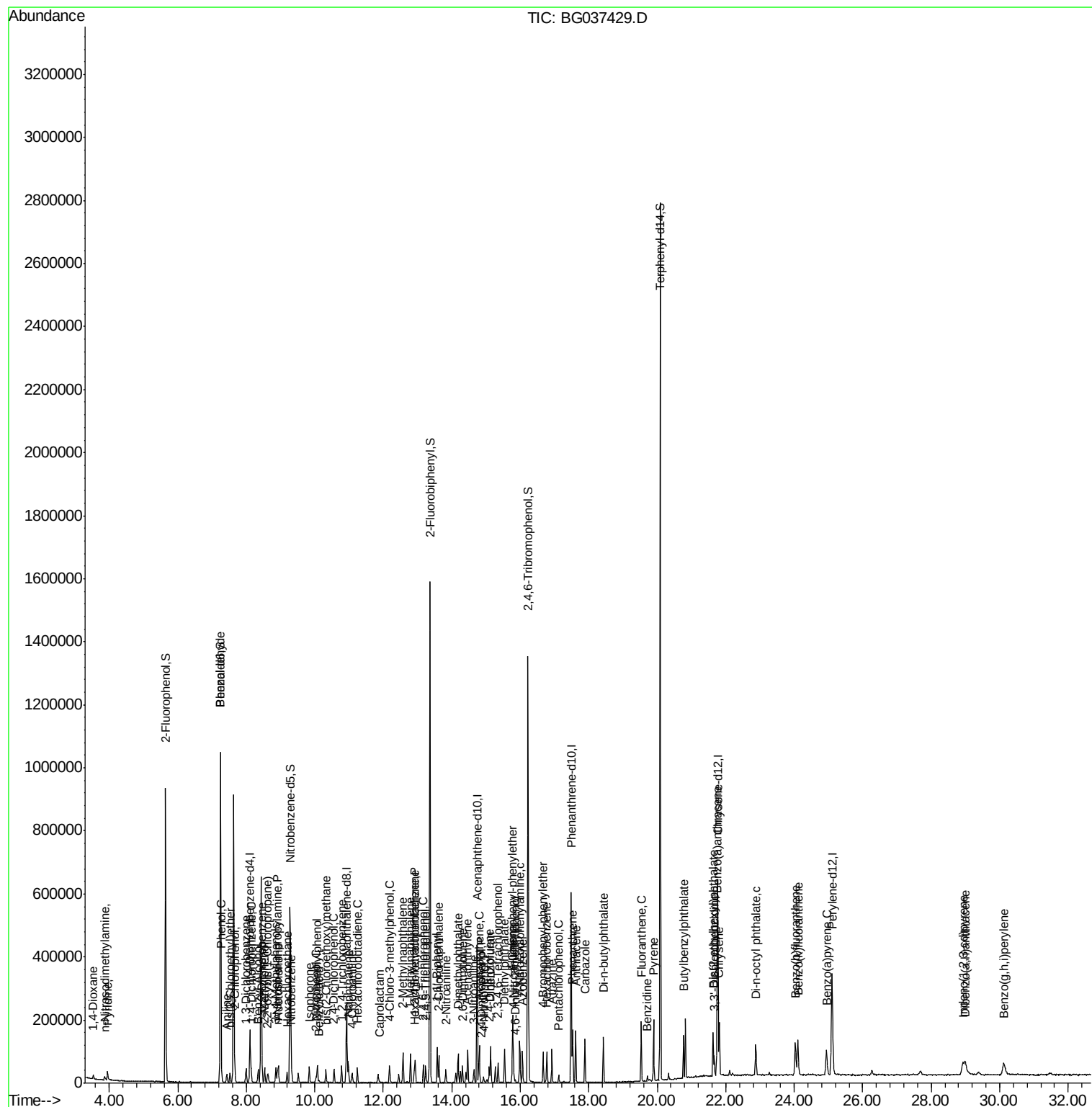
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.90	237	11777	4.838	ng	91
43) 2,4,6-Trichlorophenol	13.17	196	15260	4.482	ng	96
44) 2,4,5-Trichlorophenol	13.24	196	17792	4.800	ng	97
46) 1,1'-Biphenyl	13.58	154	63716	4.870	ng	99
47) 2-Chloronaphthalene	13.62	162	50671	5.119	ng	93
48) 2-Nitroaniline	13.83	65	12883	4.292	ng	87
49) Acenaphthylene	14.46	152	81261	5.457	ng	99
50) Dimethylphthalate	14.19	163	64552	5.282	ng	97
51) 2,6-Dinitrotoluene	14.31	165	12394	4.584	ng	93
52) Acenaphthene	14.80	154	48854	5.327	ng	99
53) 3-Nitroaniline	14.65	138	11278	3.757	ng #	97
54) 2,4-Dinitrophenol	14.86	184	455	6.846	ng #	61
55) Dibenzofuran	15.13	168	82546	5.433	ng	96
56) 4-Nitrophenol	14.93	139	6041	2.719	ng	92
57) 2,4-Dinitrotoluene	15.10	165	16368	4.612	ng	92
58) Fluorene	15.79	166	65445	5.752	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.36	232	15221	4.796	ng #	98
60) Diethylphthalate	15.54	149	65288	5.203	ng	98
61) 4-Chlorophenyl-phenylether	15.77	204	33713	5.084	ng	98
62) 4-Nitroaniline	15.80	138	12638	4.237	ng #	78
63) Azobenzene	16.07	77	65606	5.480	ng	96
65) 4,6-Dinitro-2-methylphenol	15.85	198	2333	9.446	ng	93
66) n-Nitrosodiphenylamine	15.99	169	56959	4.860	ng	95
67) 4-Bromophenyl-phenylether	16.67	248	20250	4.733	ng	95
68) Hexachlorobenzene	16.78	284	21169	4.774	ng	98
69) Atrazine	16.93	200	19373	4.572	ng	92
70) Pentachlorophenol	17.12	266	6103	2.055	ng	96
71) Phenanthrene	17.53	178	112805	5.697	ng	97
72) Anthracene	17.62	178	111730	5.750	ng	99
73) Carbazole	17.89	167	96323	4.956	ng	97
74) Di-n-butylphthalate	18.43	149	106263	4.915	ng	98
75) Fluoranthene	19.53	202	125457	5.587	ng	98
77) Benzidine	19.72	184	12723	1.044	ng	95
78) Pyrene	19.89	202	127232	5.431	ng	99
80) Butylbenzylphthalate	20.77	149	42657	4.449	ng	97
81) Benzo(a)anthracene	21.75	228	118581	5.594	ng	100
82) 3,3'-Dichlorobenzidine	21.67	252	25732	3.132	ng	98
83) Chrysene	21.81	228	111258	5.459	ng	97
84) Bis(2-ethylhexyl)phthalate	21.63	149	59159	4.402	ng	94
85) Di-n-octyl phthalate	22.88	149	95970	4.379	ng	98
86) Indeno(1,2,3-cd)pyrene	28.92	276	98283	4.496	ng #	87
88) Benzo(b)fluoranthene	24.03	252	105499	5.340	ng	99
89) Benzo(k)fluoranthene	24.11	252	107977	5.578	ng	99
90) Benzo(a)pyrene	24.95	252	97146	5.175	ng	98
91) Dibenzo(a,h)anthracene	28.99	278	73876	4.266	ng	95
92) Benzo(g,h,i)perylene	30.12	276	81919	4.676	ng	97

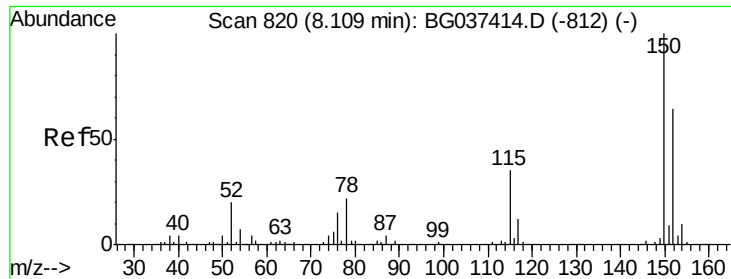
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 820

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

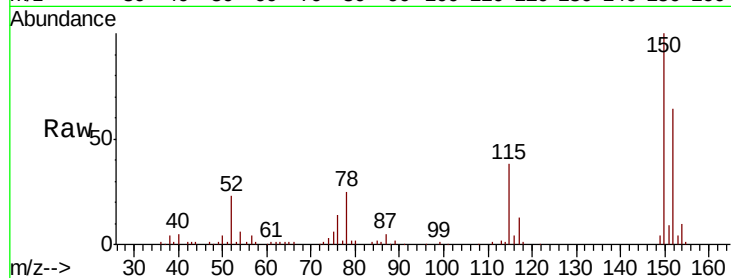
Tot Ion:152 Resp: 51187

Ion Ratio Lower Upper

152 100

150 157.0 126.0 189.0

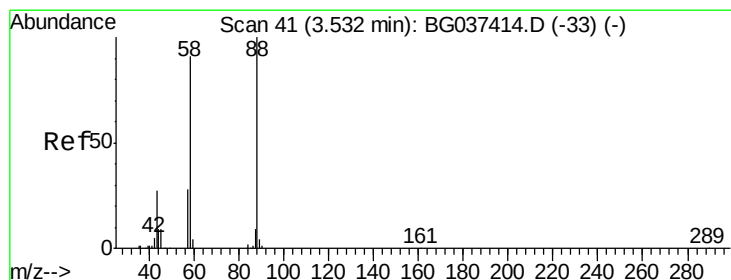
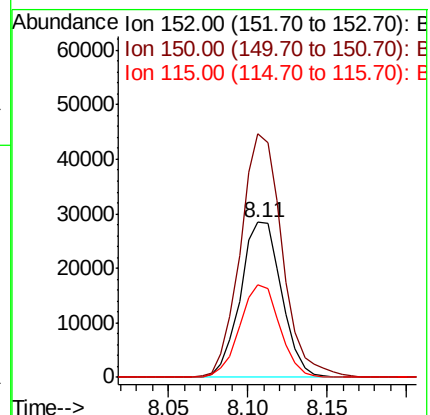
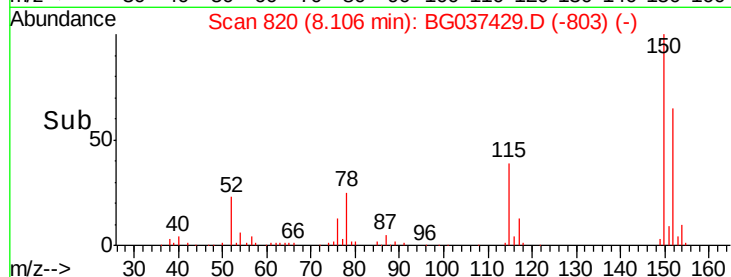
115 59.5 45.5 68.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 4.299 ng

RT: 3.53 min Scan# 41

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

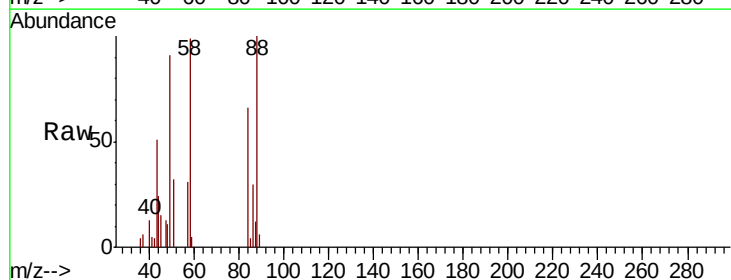
Tgt Ion: 88 Resp: 6675

Ion Ratio Lower Upper

88 100

58 96.6 74.4 111.6

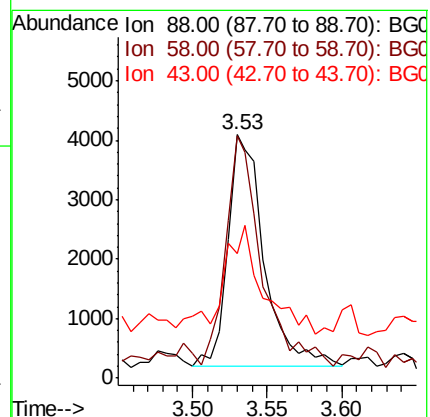
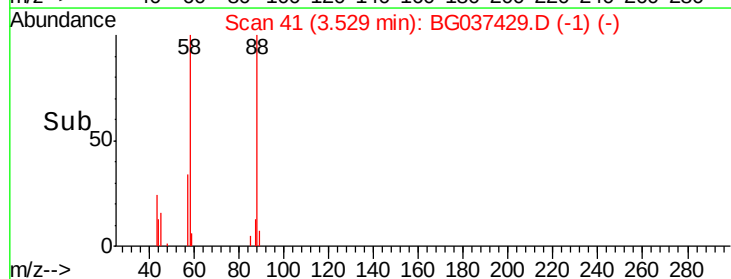
43 51.6 25.8 38.8#

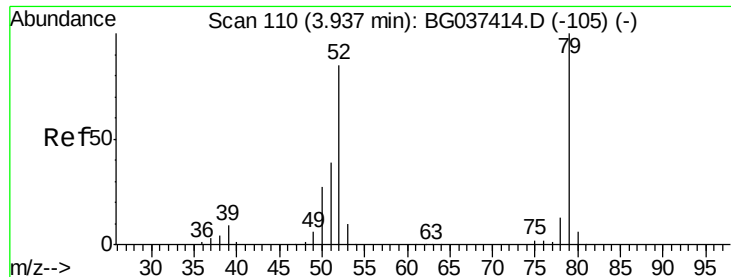


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 4.819 ng

RT: 3.95 min Scan# 112

Delta R.T. 0.01 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

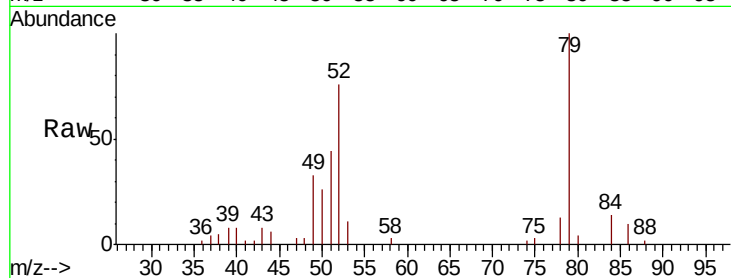
Tot Ion: 79 Resp: 18858

Ion Ratio Lower Upper

79 100

52 75.6 74.2 111.2

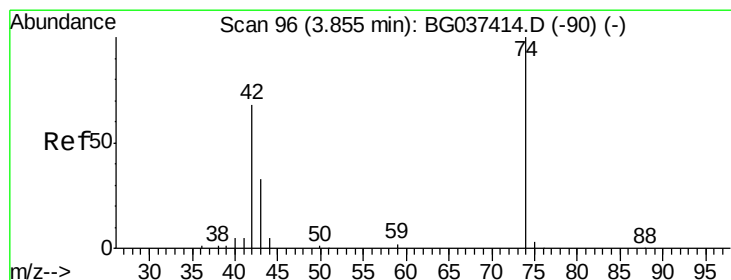
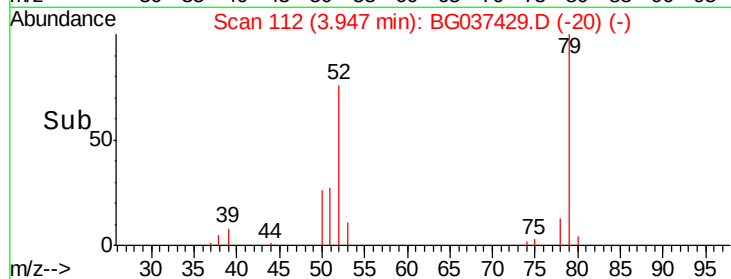
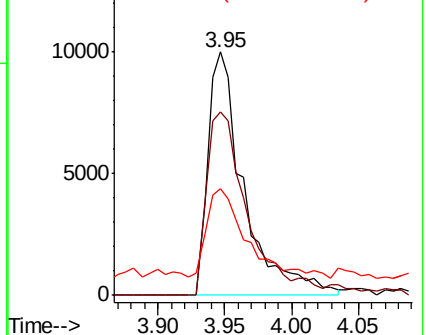
51 43.6 34.6 51.8



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: 6.527 ng

RT: 3.86 min Scan# 98

Delta R.T. 0.01 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

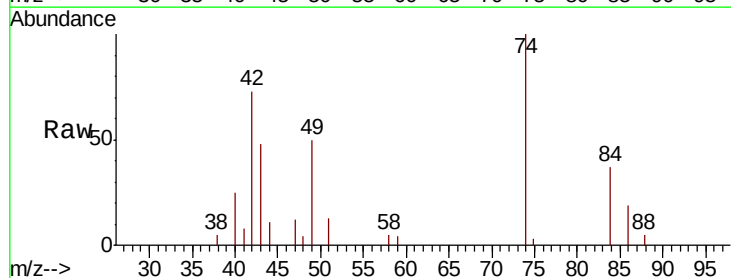
Tgt Ion: 42 Resp: 9098

Ion Ratio Lower Upper

42 100

74 136.3 102.0 153.0

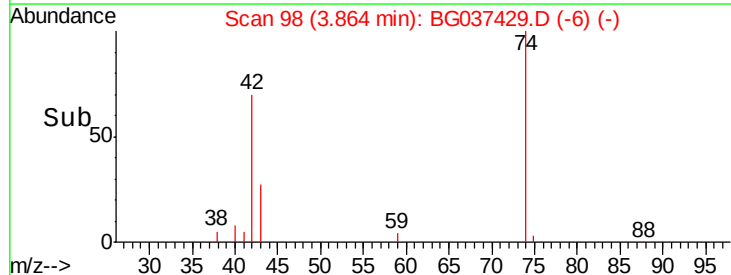
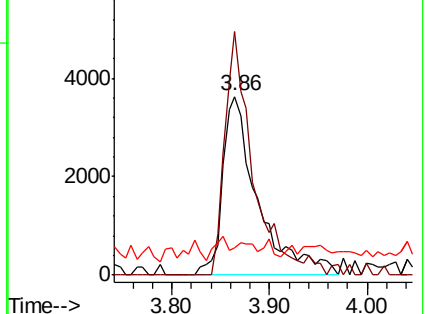
44 15.2 9.6 14.4#

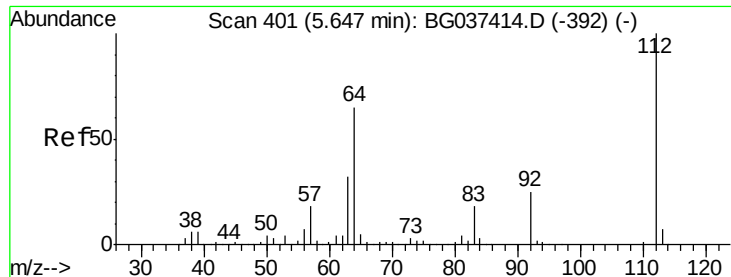


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 141.411 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

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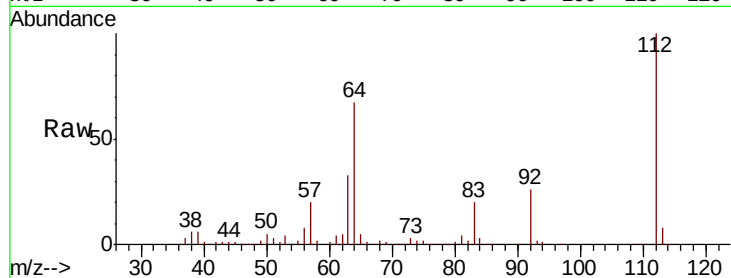
Tot Ion:112 Resp: 432957

Ion Ratio Lower Upper

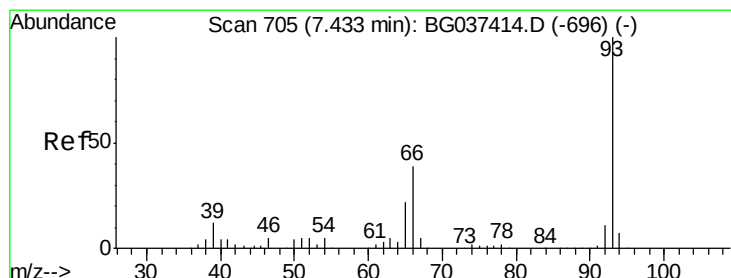
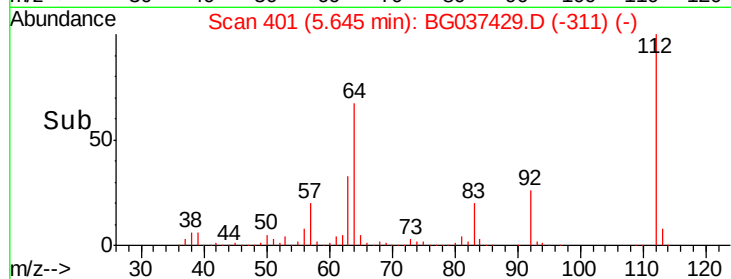
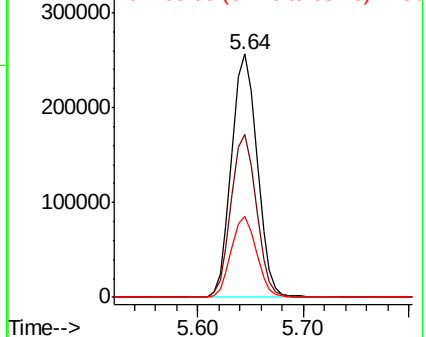
112 100

64 66.7 53.1 79.7

63 33.1 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: 3.181 ng

RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

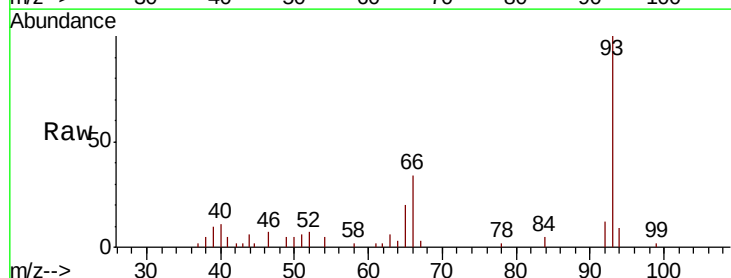
Tgt Ion: 93 Resp: 17966

Ion Ratio Lower Upper

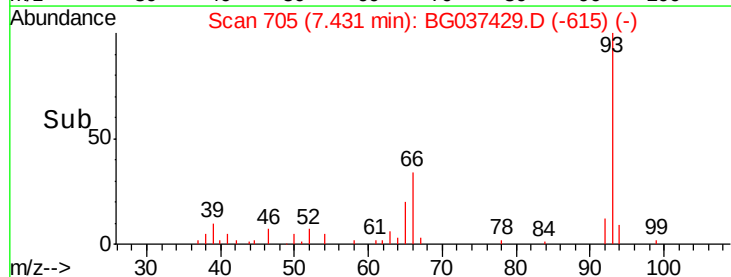
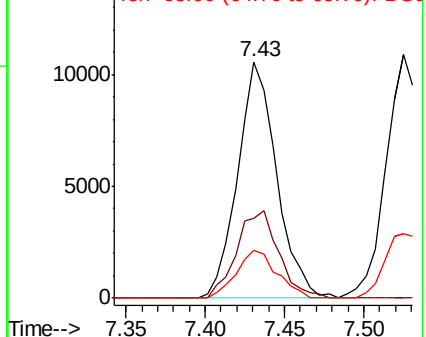
93 100

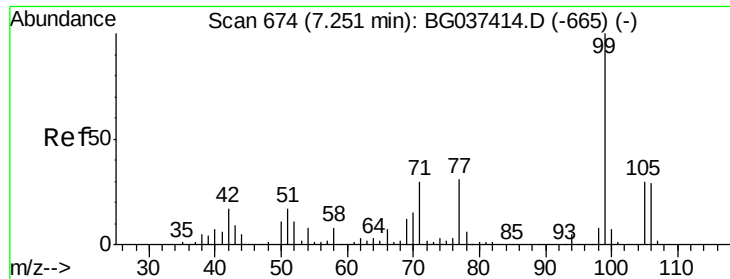
66 33.6 32.8 49.2

65 20.0 16.4 24.6



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 136.387 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

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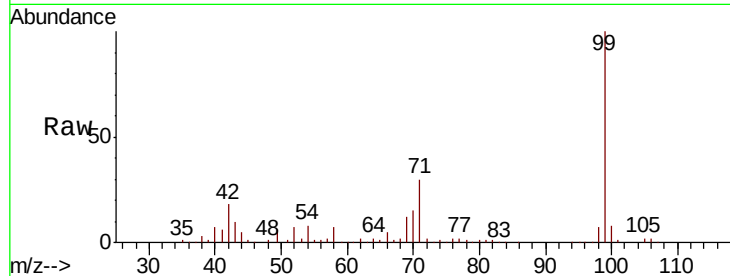
Tot Ion: 99 Resp: 631427

Ion Ratio Lower Upper

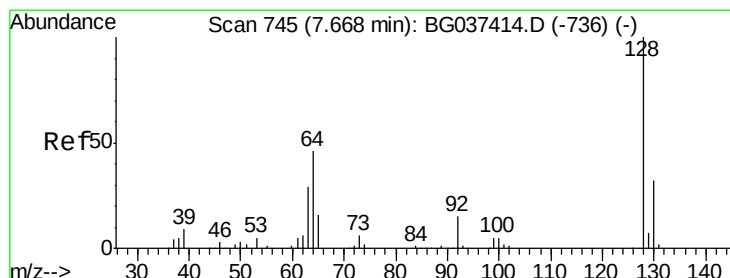
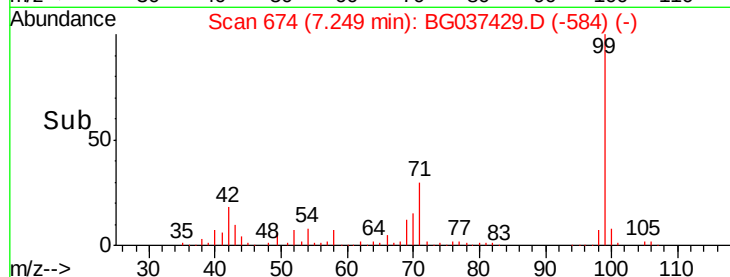
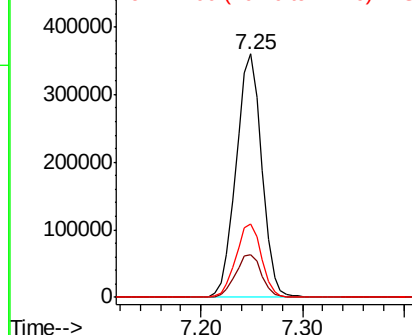
99 100

42 17.8 15.0 22.4

71 30.3 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: 4.983 ng

RT: 7.67 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

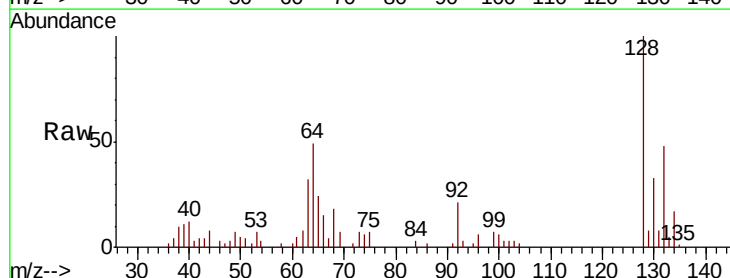
Tgt Ion: 128 Resp: 17849

Ion Ratio Lower Upper

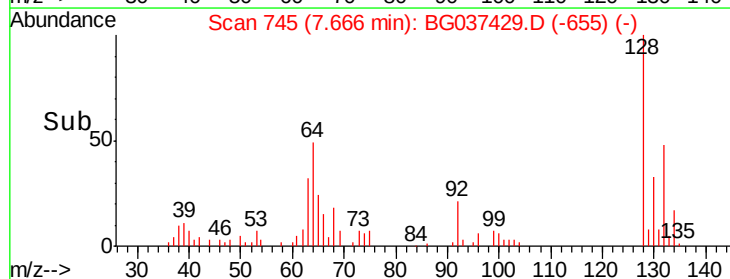
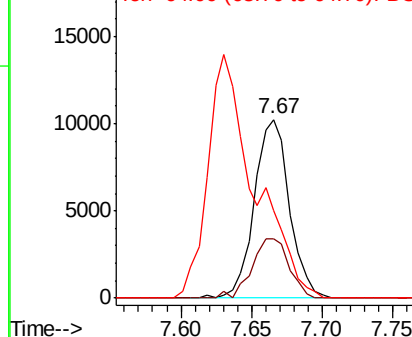
128 100

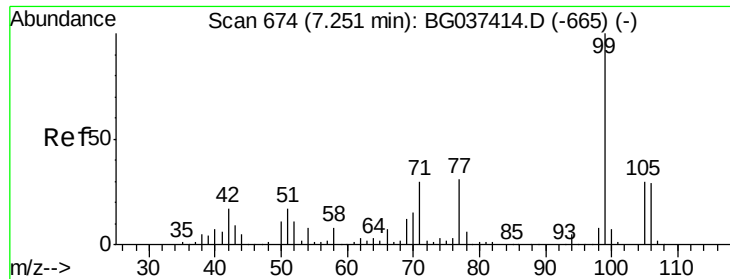
130 33.1 12.0 52.0

64 48.9 32.9 72.9



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





#9

Benzaldehyde

Concen: 4.572 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

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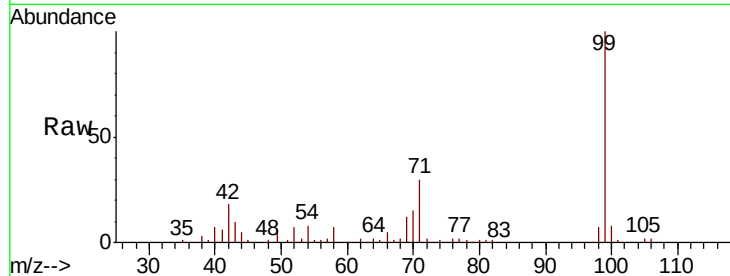
Tot Ion: 77 Resp: 13240

Ion Ratio Lower Upper

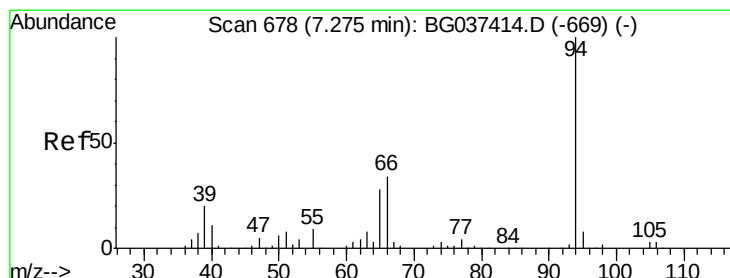
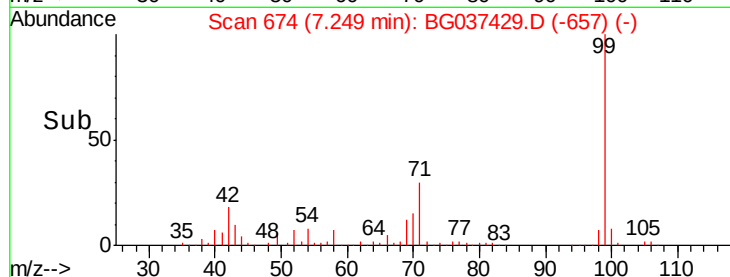
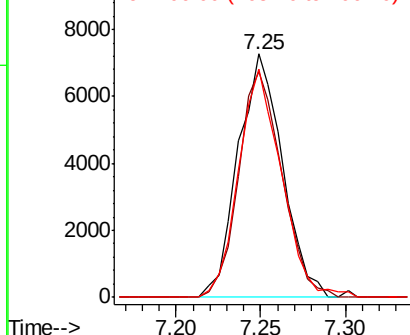
77 100

105 92.5 72.6 112.6

106 93.7 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: 5.120 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

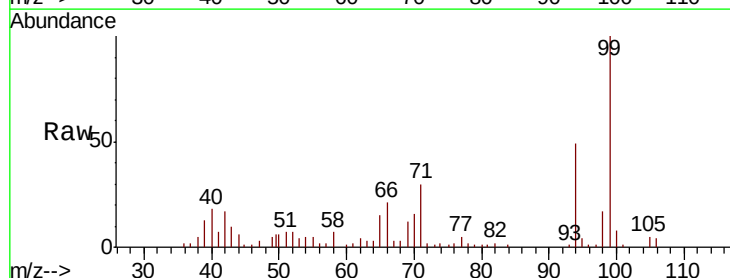
Tgt Ion: 94 Resp: 25009

Ion Ratio Lower Upper

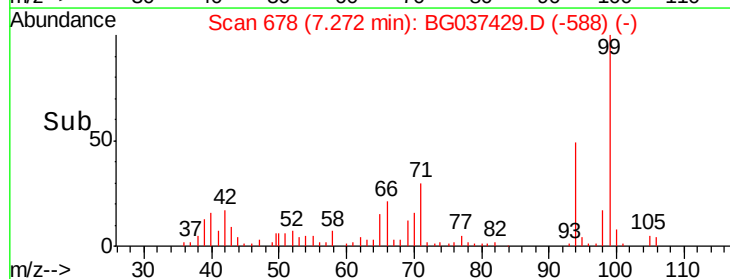
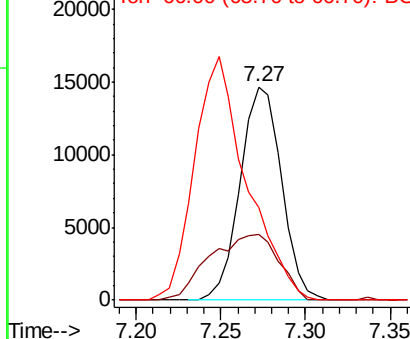
94 100

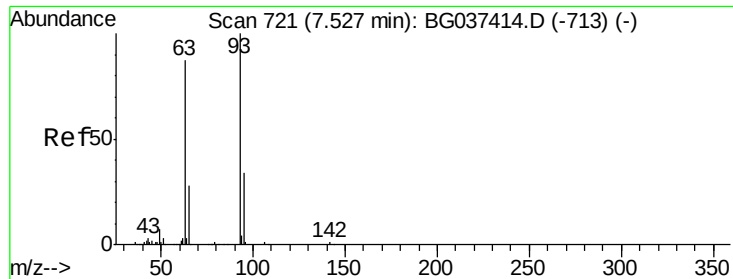
65 30.8 9.7 49.7

66 43.7 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

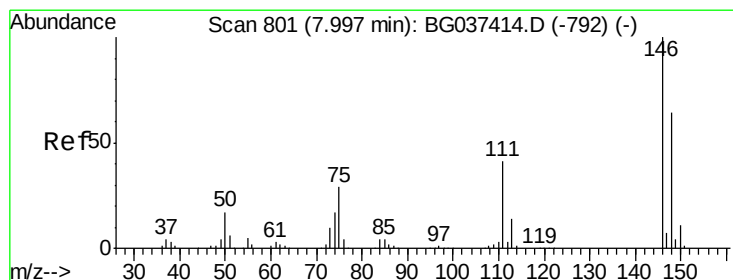
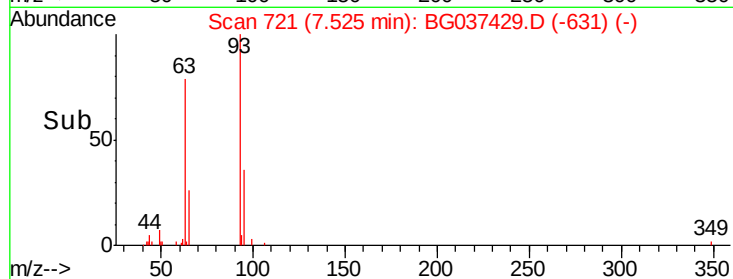
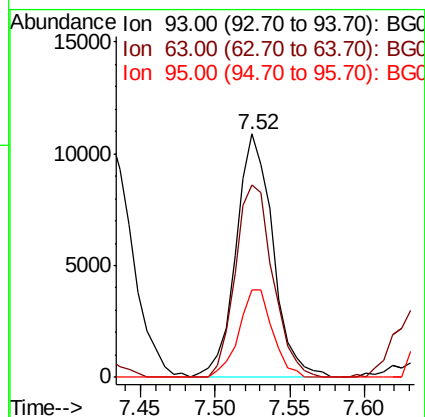
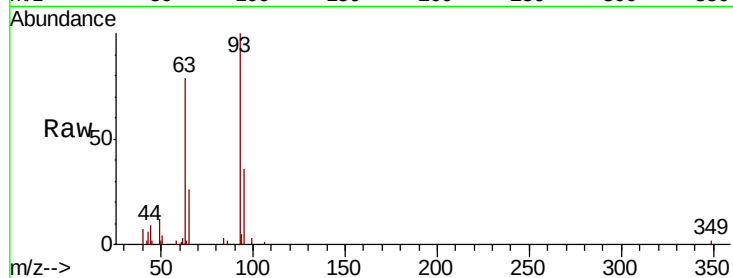




#11
 bis(2-Chloroethyl)ether
 Concen: 5.043 ng
 RT: 7.52 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

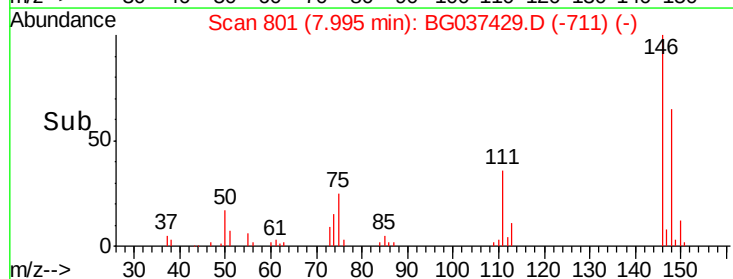
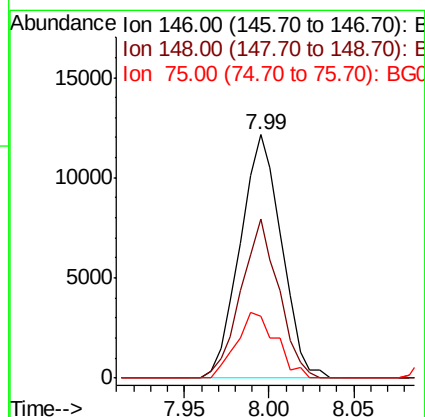
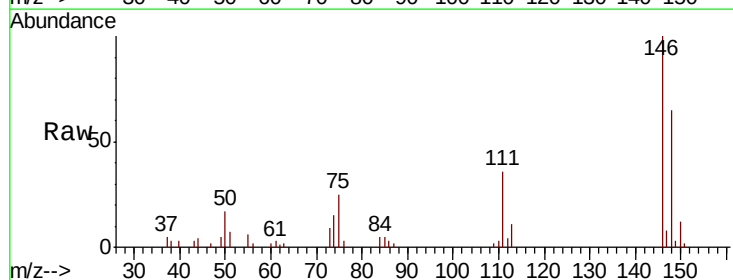
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

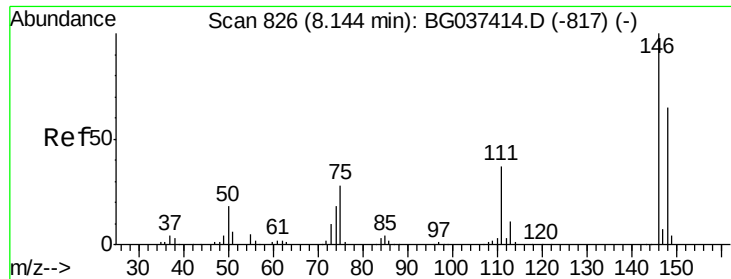
Tot Ion: 93 Resp: 18709
 Ion Ratio Lower Upper
 93 100
 63 79.0 69.5 109.5
 95 35.7 12.6 52.6



#12
 1,3-Dichlorobenzene
 Concen: 5.177 ng
 RT: 7.99 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

Tgt Ion: 146 Resp: 20643
 Ion Ratio Lower Upper
 146 100
 148 65.3 49.8 74.8
 75 25.4 23.2 34.8

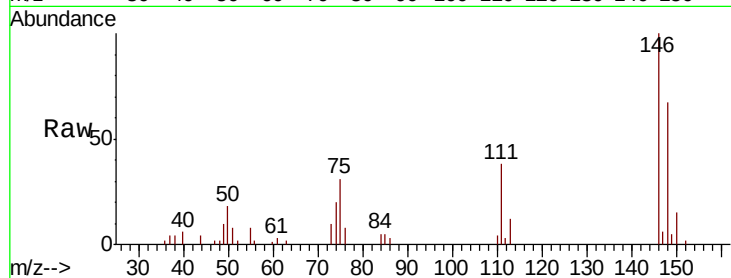




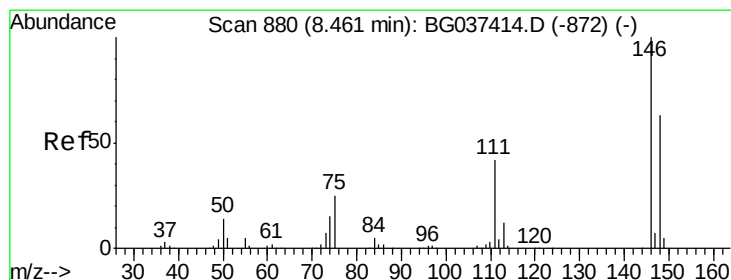
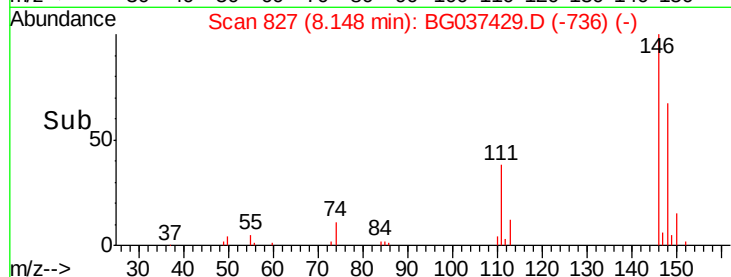
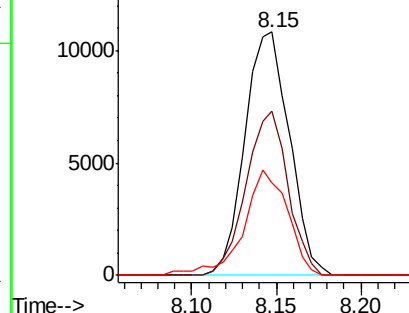
#13
 1,4-Dichlorobenzene
 Concen: 4.856 ng
 RT: 8.15 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tot Ion:146 Resp: 19806
 Ion Ratio Lower Upper
 146 100
 148 67.5 51.0 76.6
 111 38.1 32.4 48.6

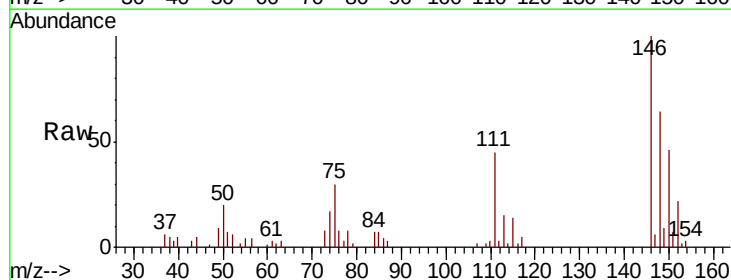


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

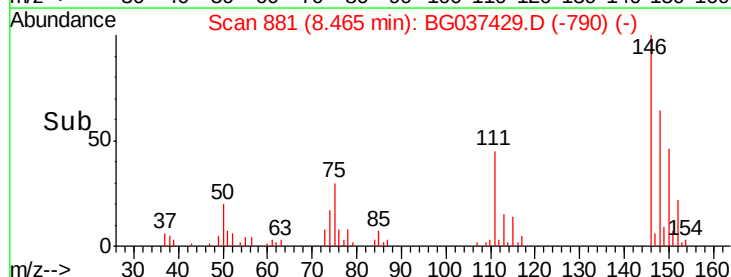
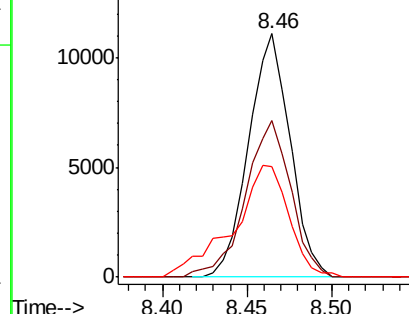


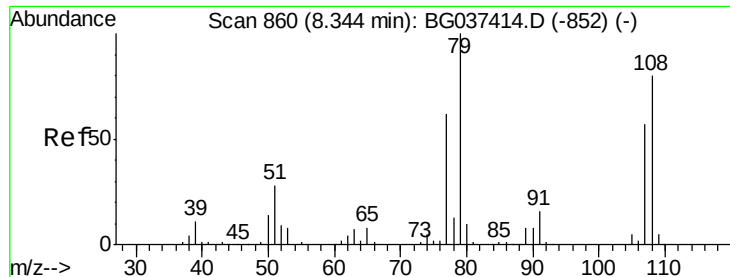
#14
 1,2-Dichlorobenzene
 Concen: 4.828 ng
 RT: 8.46 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

Tgt Ion:146 Resp: 18944
 Ion Ratio Lower Upper
 146 100
 148 64.1 50.4 75.6
 111 45.2 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: 4.550 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

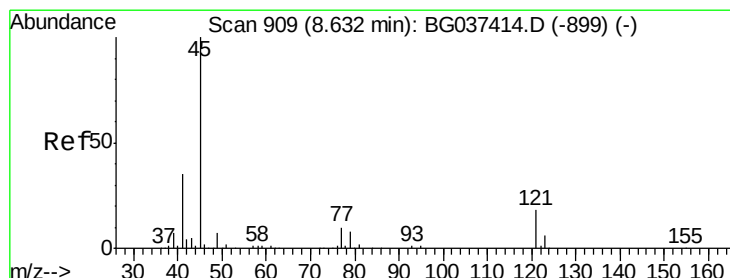
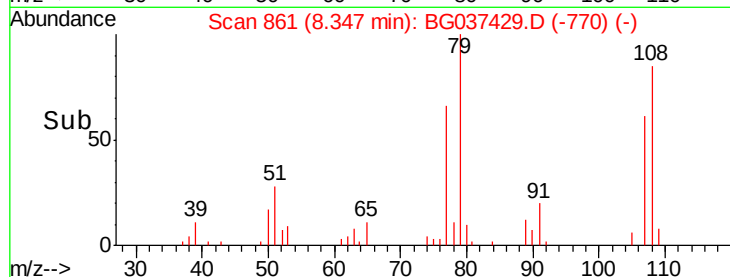
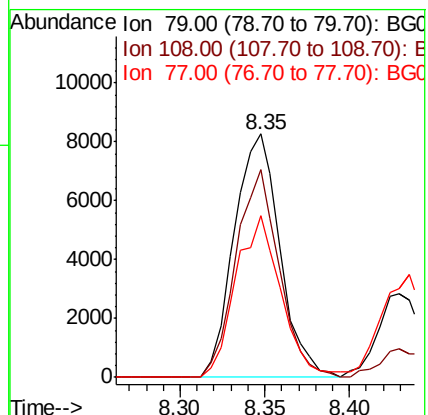
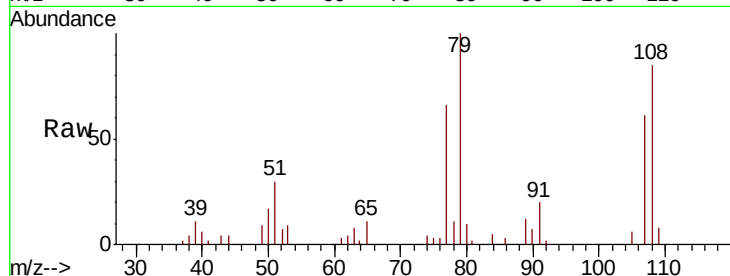
Tot Ion: 79 Resp: 15566

Ion Ratio Lower Upper

79 100

108 85.3 65.8 98.8

77 66.4 52.9 79.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.132 ng

RT: 8.62 min Scan# 908

Delta R.T. -0.01 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

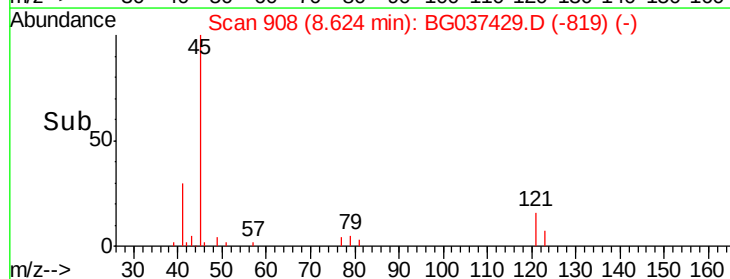
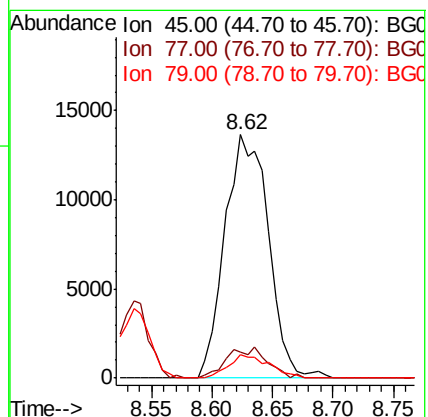
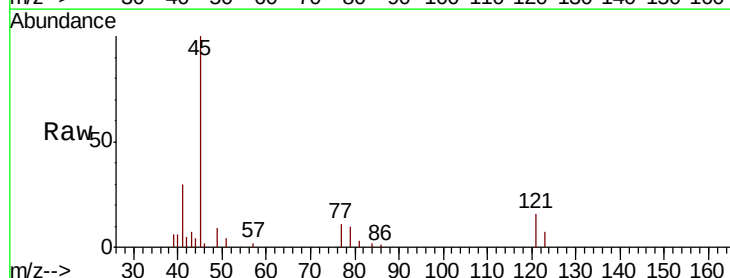
Tgt Ion: 45 Resp: 34066

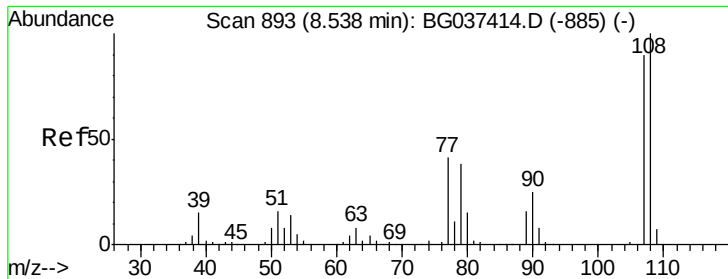
Ion Ratio Lower Upper

45 100

77 10.5 0.0 30.0

79 9.8 0.0 29.0

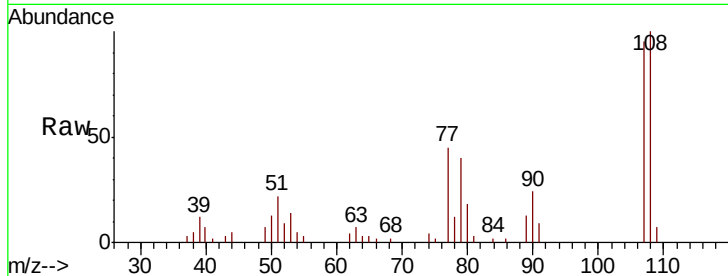




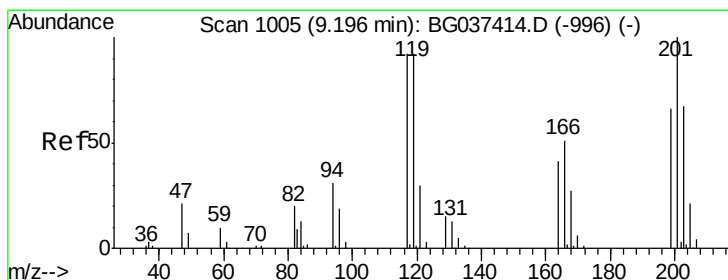
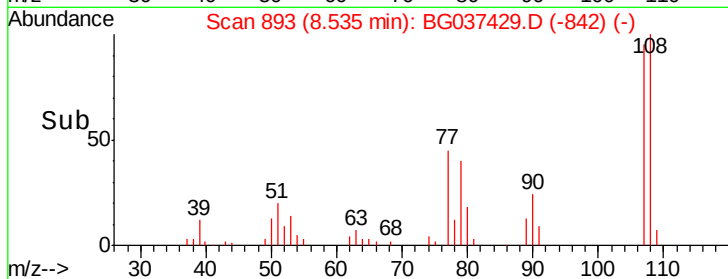
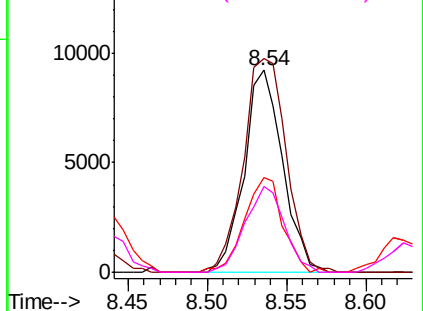
#17
2-Methylphenol
Concen: 4.805 ng
RT: 8.54 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:	107	Resp:	15516
Ion	Ratio	Lower	Upper
107	100		
108	105.8	87.9	131.9
77	47.3	35.1	52.7
79	42.5	34.5	51.7

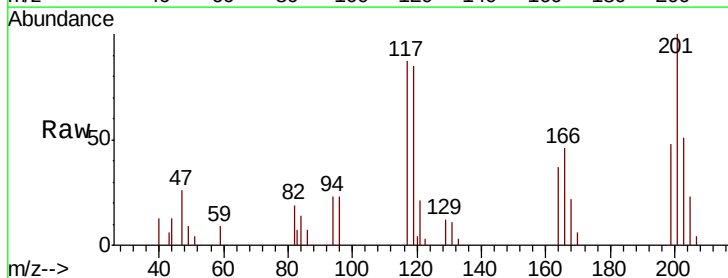


Abundance Ion 107.00 (106.70 to 107.70): E
15000 Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

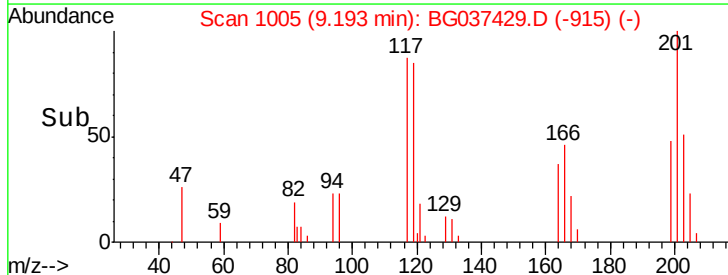
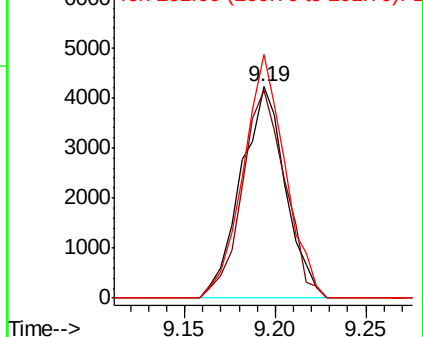


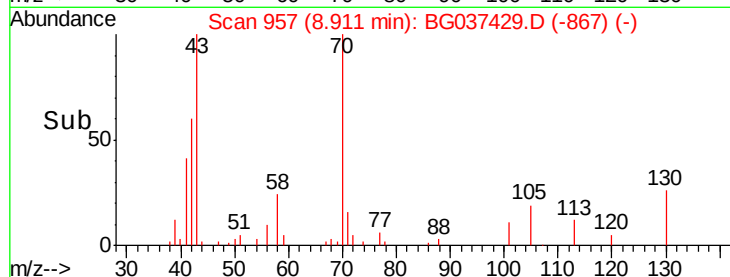
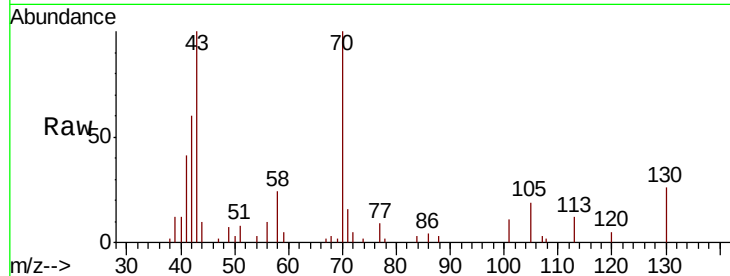
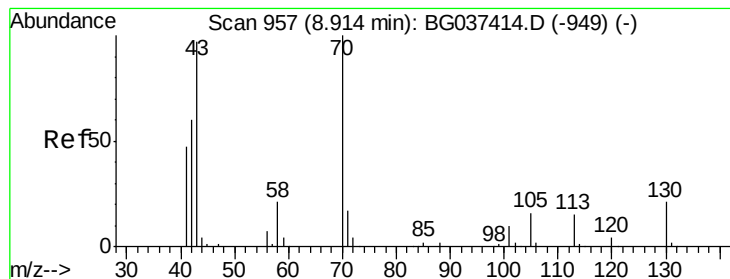
#18
Hexachloroethane
Concen: 5.179 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion:	117	Resp:	7202
Ion	Ratio	Lower	Upper
117	100		
119	98.2	74.6	111.8
201	115.1	80.8	121.2



Abundance Ion 117.00 (116.70 to 117.70): E
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: 4.669 ng

RT: 8.91 min Scan# 957

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion: 70 Resp: 14886

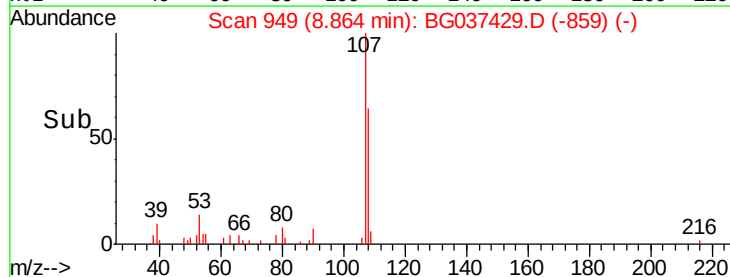
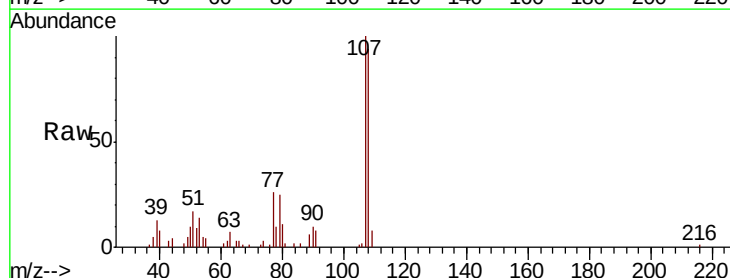
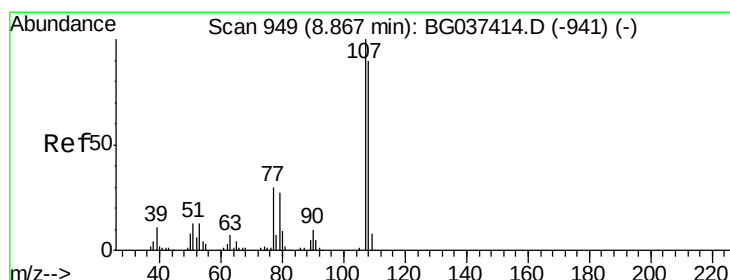
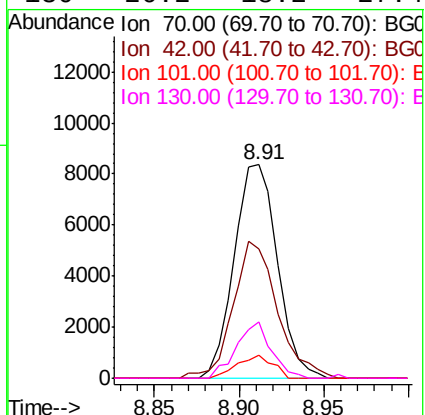
Ion Ratio Lower Upper

70 100

42 60.5 53.9 80.9

101 11.0 8.2 12.2

130 26.2 18.2 27.4



#20

3+4-Methylphenols

Concen: 4.720 ng

RT: 8.86 min Scan# 949

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Tgt Ion:107 Resp: 21791

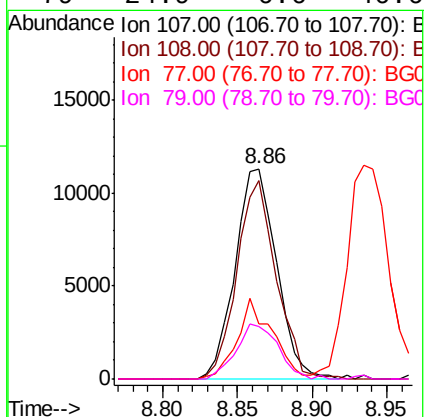
Ion Ratio Lower Upper

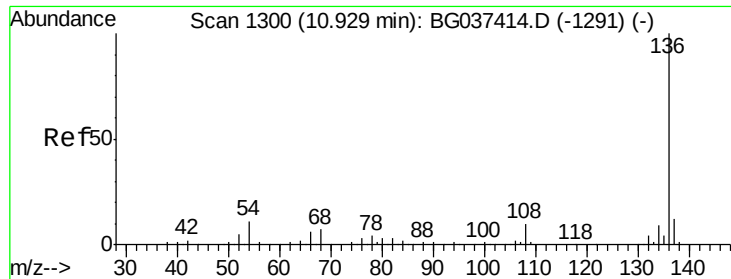
107 100

108 94.1 69.9 109.9

77 26.1 11.2 51.2

79 24.9 6.6 46.6

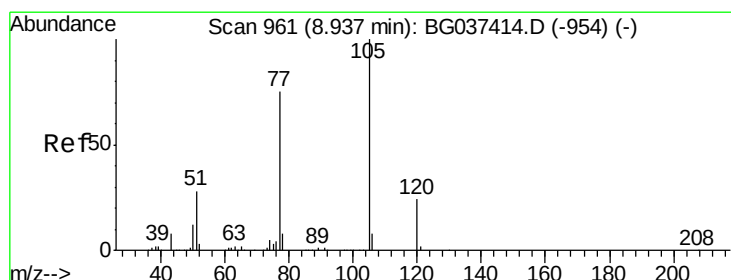
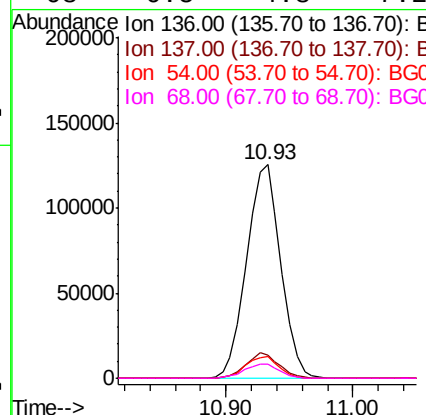
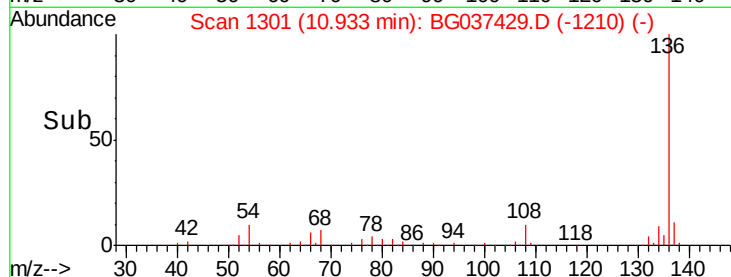
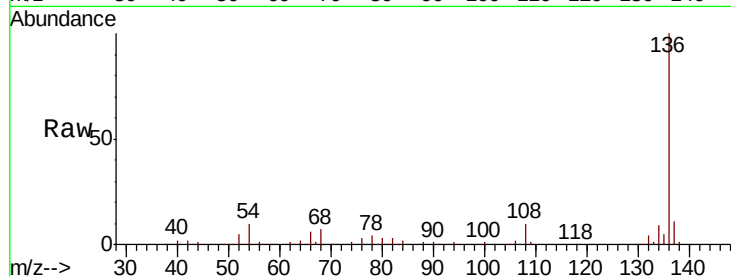




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

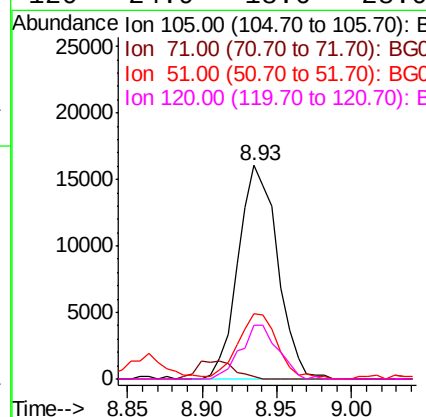
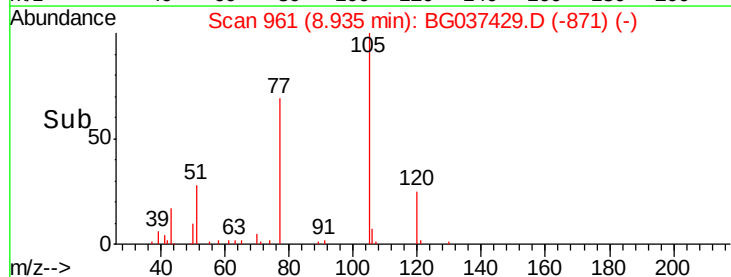
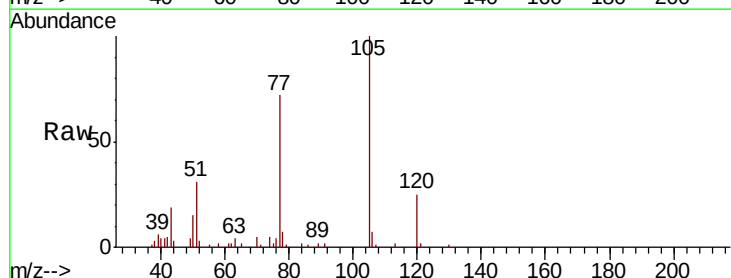
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

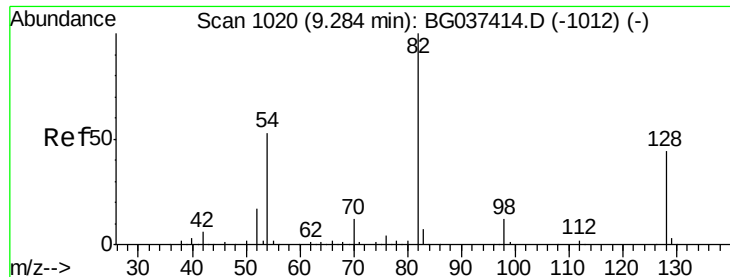
Tot Ion:136	Resp:	233896	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	9.6	14.4	
54 10.3	7.9	11.9	
68 6.5	4.8	7.2	



#22
Acetophenone
Concen: 4.999 ng
RT: 8.93 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion	Ion:105	Resp:	29326
105	Ratio 100	Lower	Upper
71	1.4	1.2	1.8
51	30.7	25.0	37.6
120	24.9	18.6	28.0

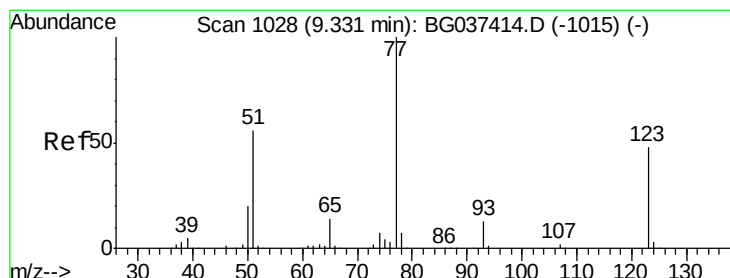
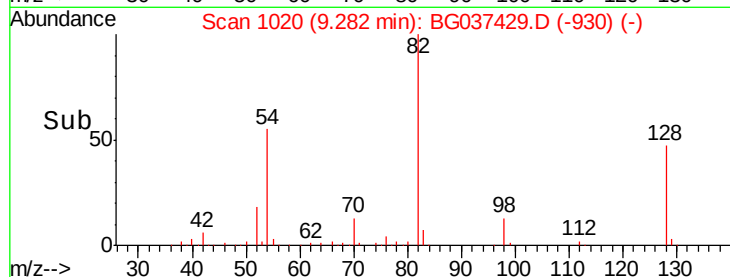
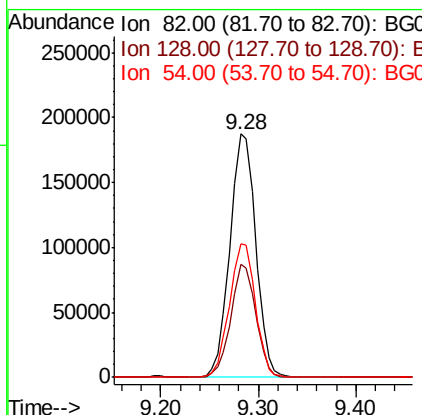
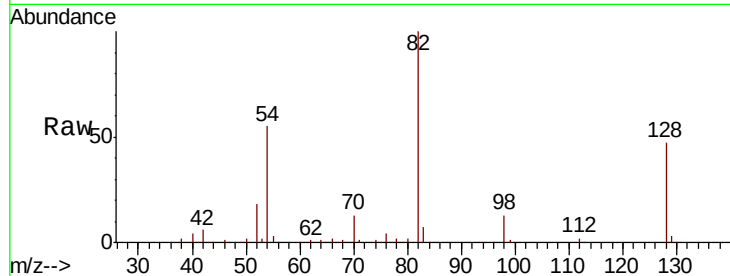




#23
 Nitrobenzene-d5
 Concen: 82.995 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

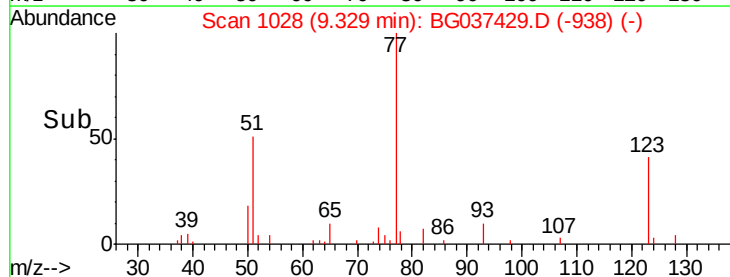
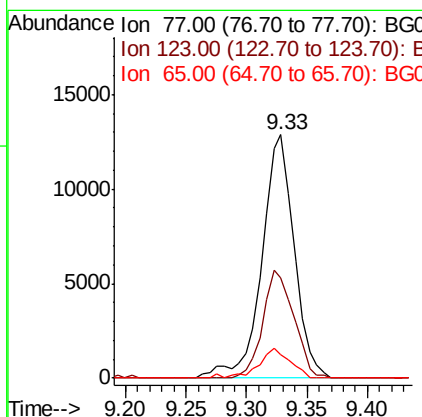
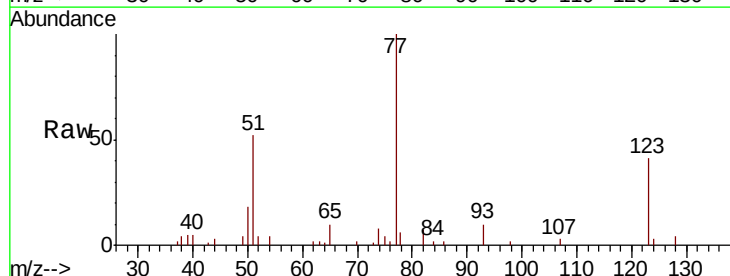
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

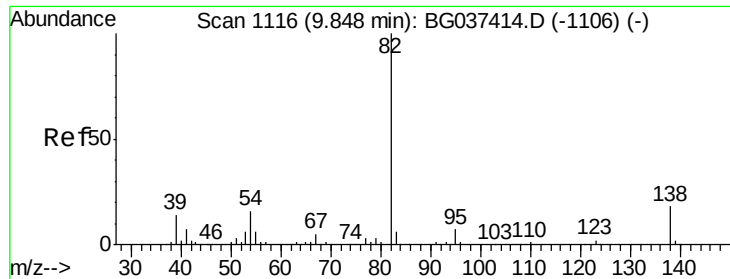
Tot Ion	82	Resp	346527
Ion Ratio	100	Lower	Upper
128	46.6	34.6	51.8
54	55.1	45.3	67.9



#24
 Nitrobenzene
 Concen: 5.471 ng
 RT: 9.33 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

Tgt Ion	77	Resp	23731
Ion Ratio	100	Lower	Upper
123	41.2	33.6	50.4
65	9.7	11.3	16.9





#25

Isophorone

Concen: 5.216 ng

RT: 9.84 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

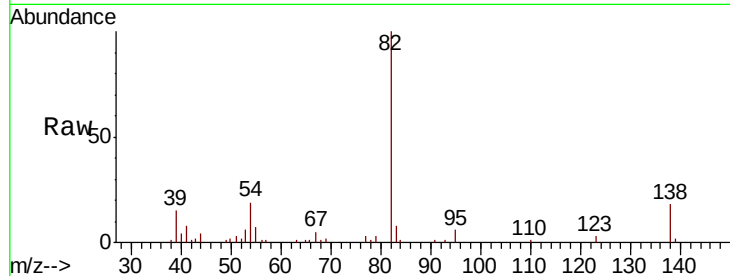
Tot Ion: 82 Resp: 39793

Ion Ratio Lower Upper

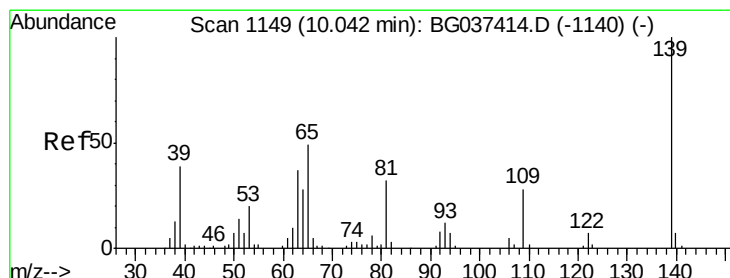
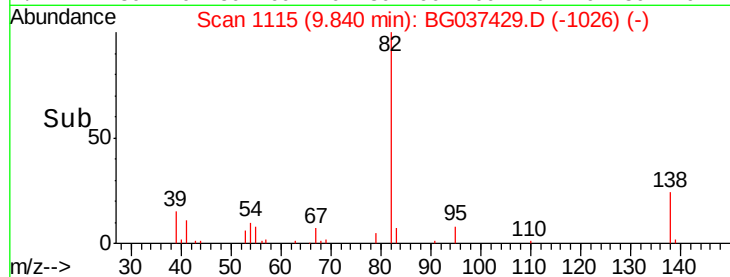
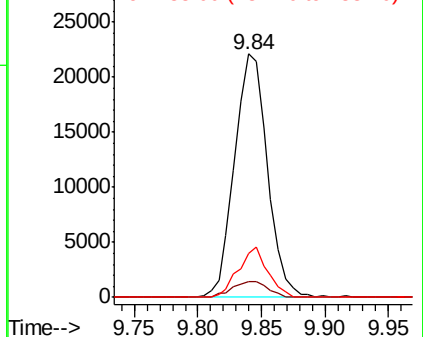
82 100

95 6.4 5.3 7.9

138 18.1 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: 3.982 ng

RT: 10.03 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

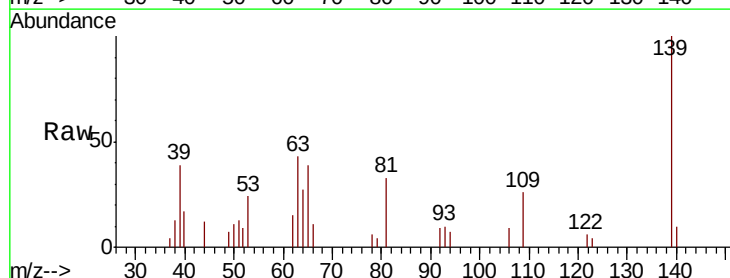
Tgt Ion: 139 Resp: 7780

Ion Ratio Lower Upper

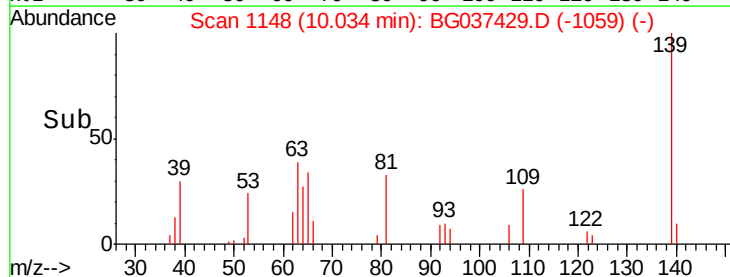
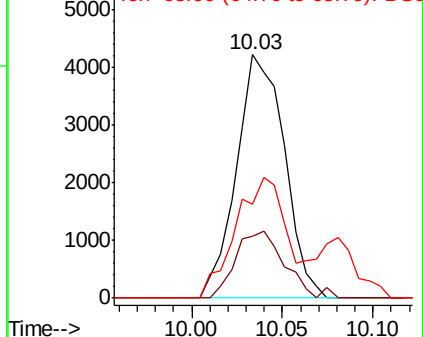
139 100

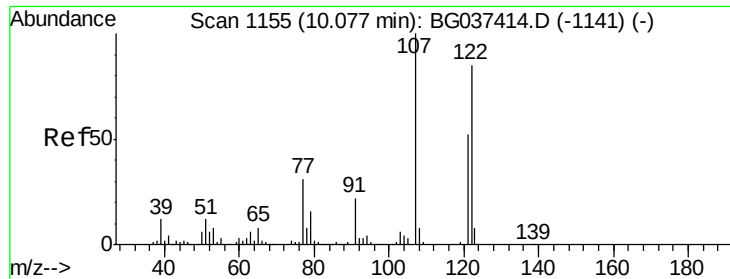
109 25.5 23.3 34.9

65 38.6 39.8 59.8#



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

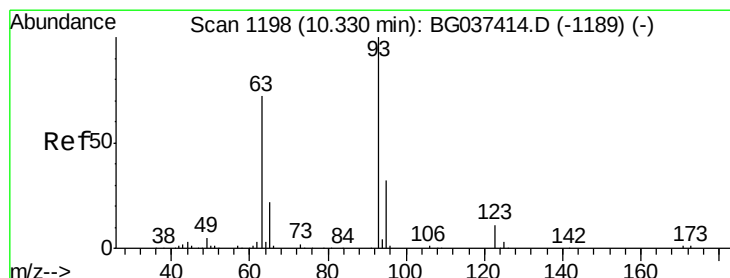
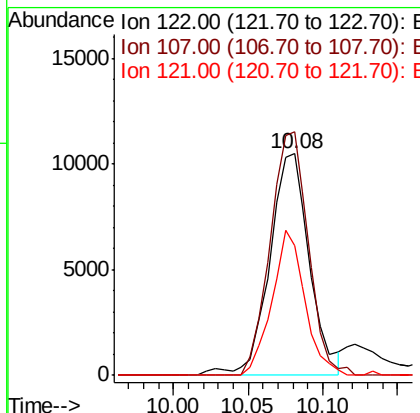
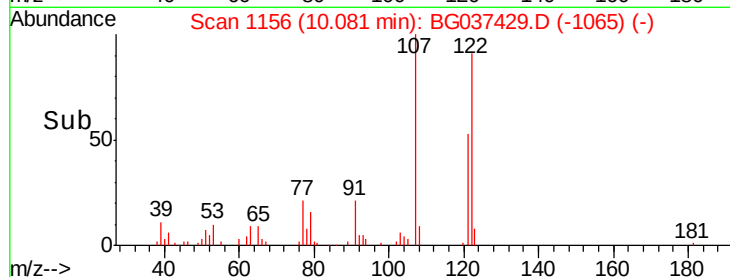
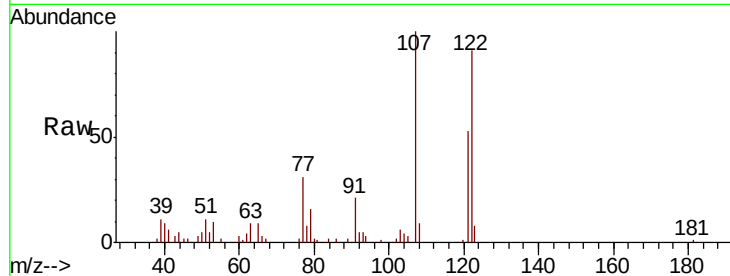




#27
 2,4-Dimethylphenol
 Concen: 5.600 ng
 RT: 10.08 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

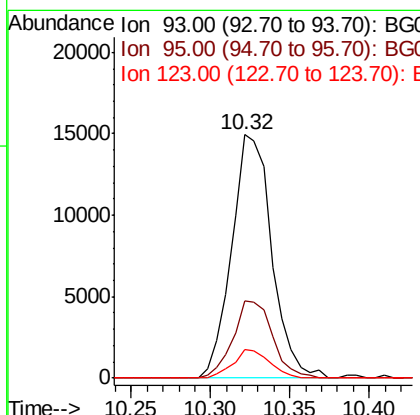
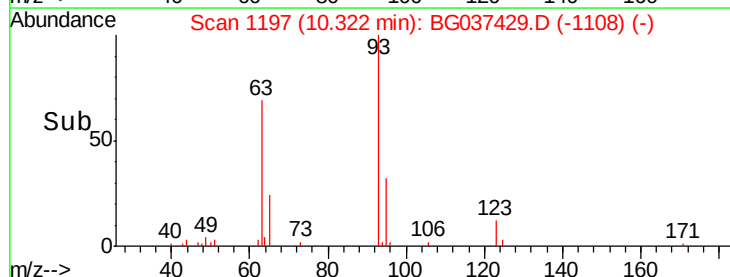
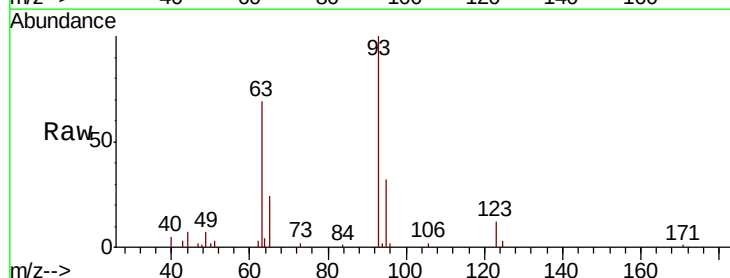
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

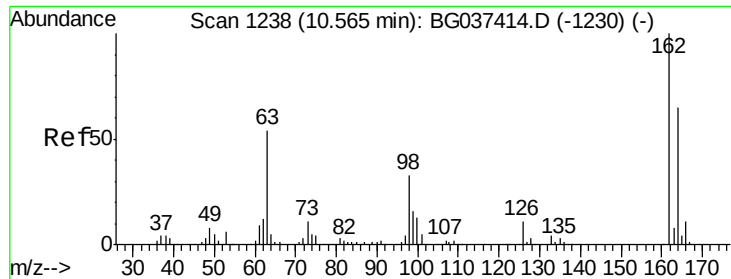
Tot Ion:122 Resp: 19539
 Ion Ratio Lower Upper
 122 100
 107 110.0 94.2 141.2
 121 58.6 47.3 70.9



#28
 bis(2-Chloroethoxy)methane
 Concen: 5.236 ng
 RT: 10.32 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

Tgt Ion: 93 Resp: 26173
 Ion Ratio Lower Upper
 93 100
 95 31.8 24.6 37.0
 123 11.8 9.1 13.7

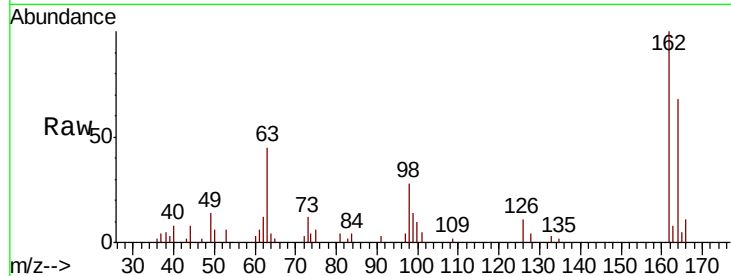




#29
 2,4-Dichlorophenol
 Concen: 4.793 ng
 RT: 10.57 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
162	100		
164	67.8	43.2	83.2
98	27.6	16.0	56.0

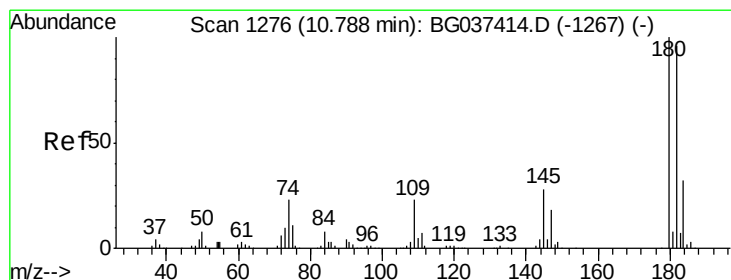
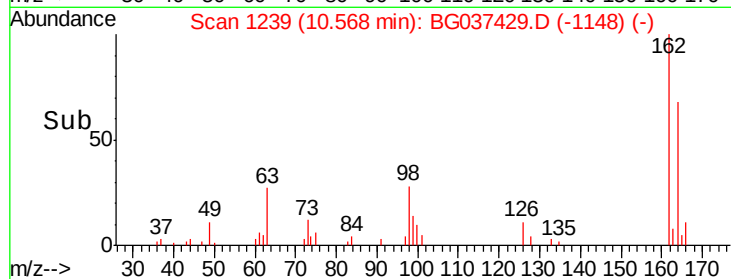
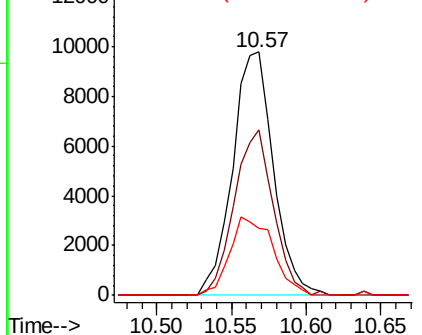


Abundance

Ion 162.00 (161.70 to 162.70): E

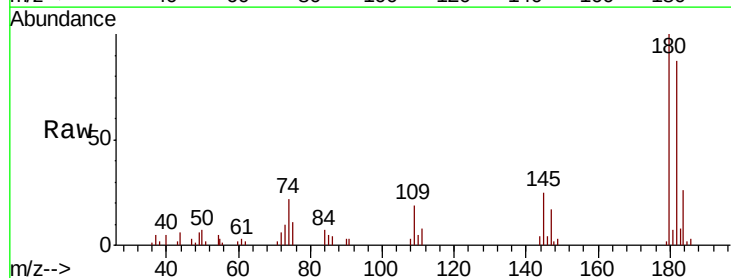
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30
 1,2,4-Trichlorobenzene
 Concen: 4.922 ng
 RT: 10.79 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.5	77.7	116.5
145	25.4	23.3	34.9

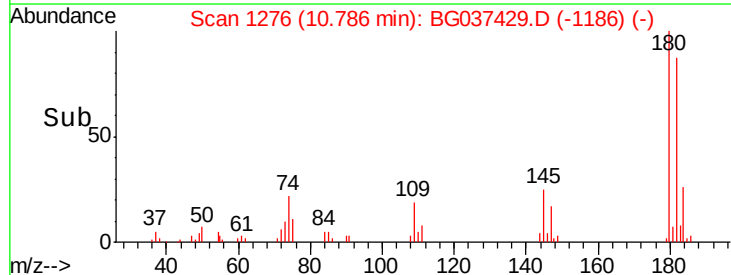
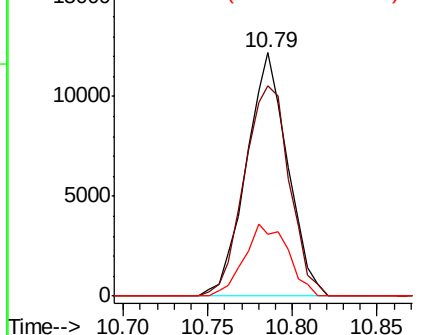


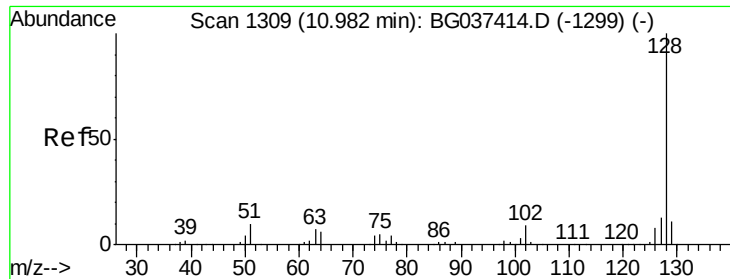
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

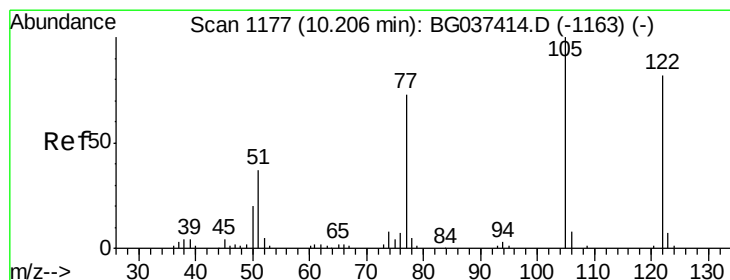
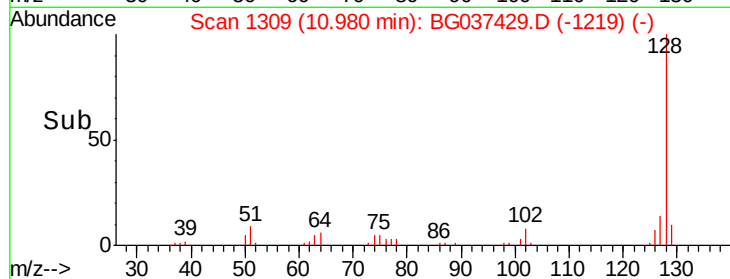
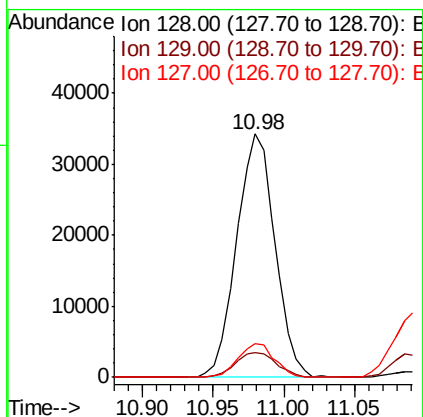
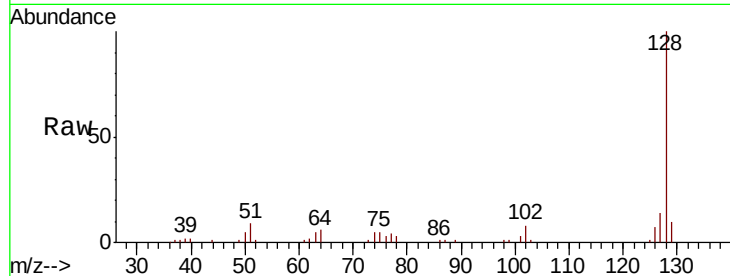




#31
Naphthalene
Concen: 5.657 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

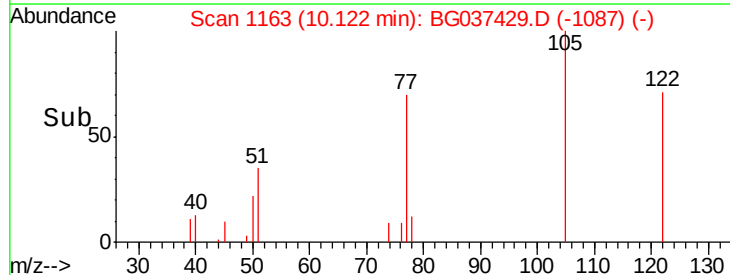
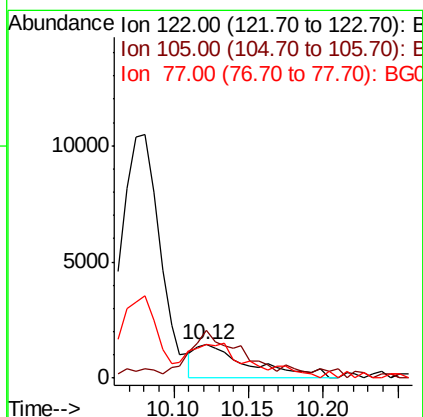
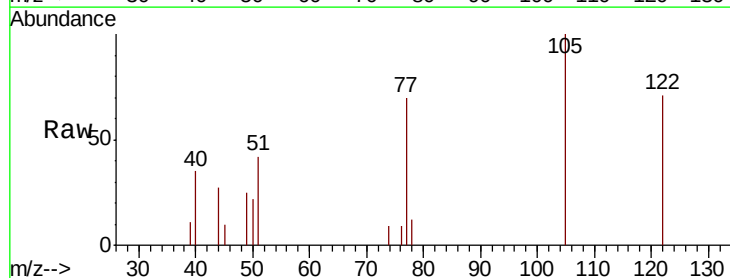
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

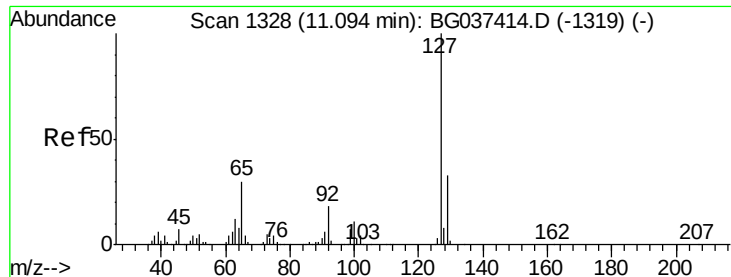
Tot Ion:128 Resp: 64984
Ion Ratio Lower Upper
128 100
129 10.2 9.0 13.6
127 13.7 11.1 16.7



#32
Benzoic acid
Concen: 1.590 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.08 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion:122 Resp: 3603
Ion Ratio Lower Upper
122 100
105 141.4 106.7 146.7
77 99.4 72.2 112.2

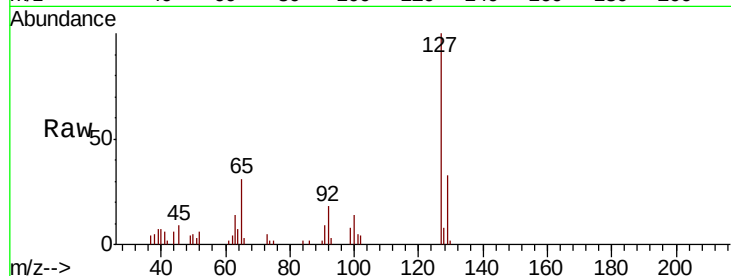




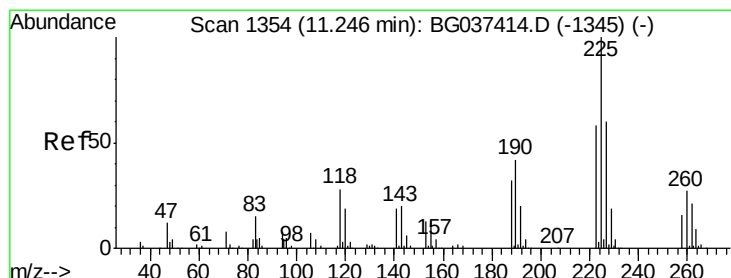
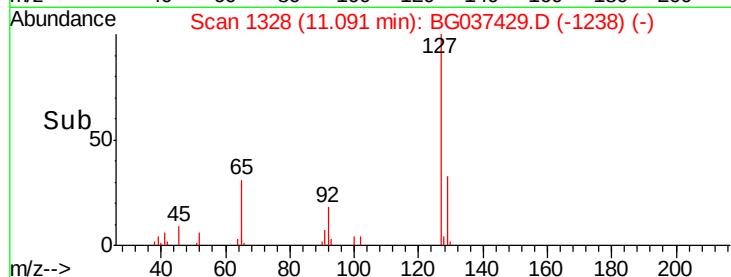
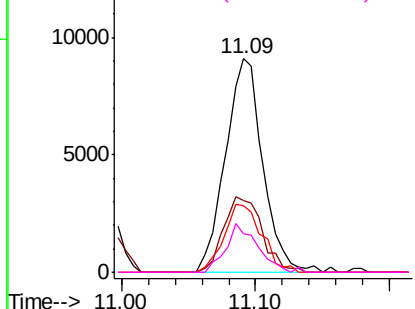
#33
4-Chloroaniline
Concen: 3.299 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:127	Resp:	17808
Ion Ratio	Lower	Upper
127	100	
129	33.5	27.1 40.7
65	31.3	26.6 39.8
92	18.1	16.4 24.6

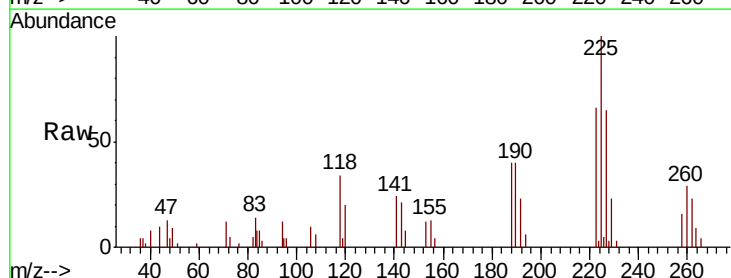


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGO
Ion 92.00 (91.70 to 92.70): BGO

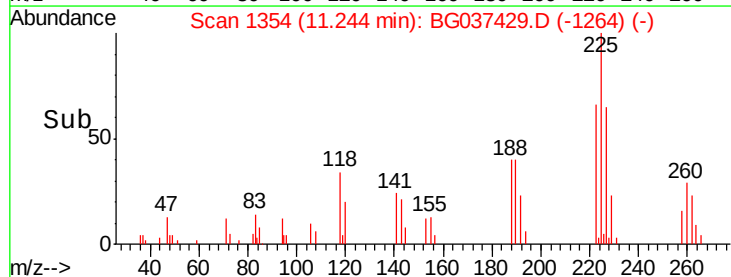
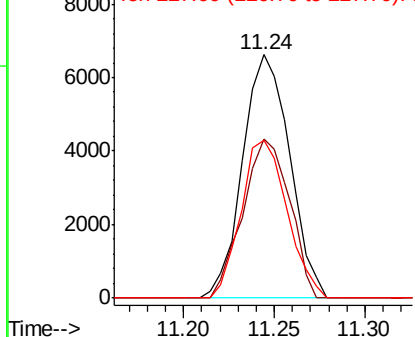


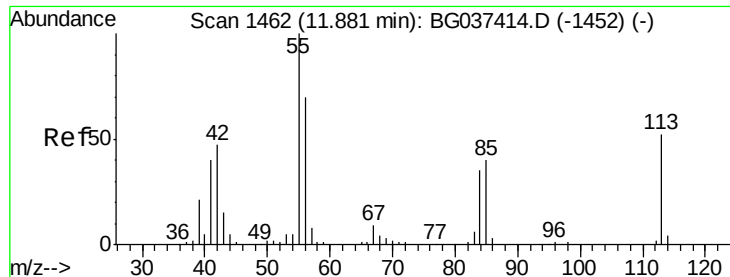
#34
Hexachlorobutadiene
Concen: 4.777 ng
RT: 11.24 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion:225	Resp:	11960
Ion Ratio	Lower	Upper
225	100	
223	68.5	48.2 72.4
227	68.4	51.6 77.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 0.189 ng

RT: 11.90 min Scan# 1466

Delta R.T. 0.02 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

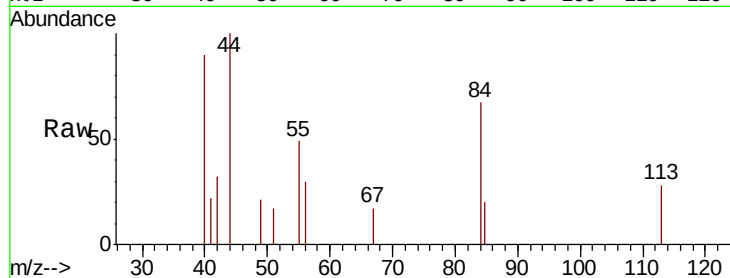
Tot Ion:113 Resp: 294

Ion Ratio Lower Upper

113 100

55 172.0 176.6 216.6#

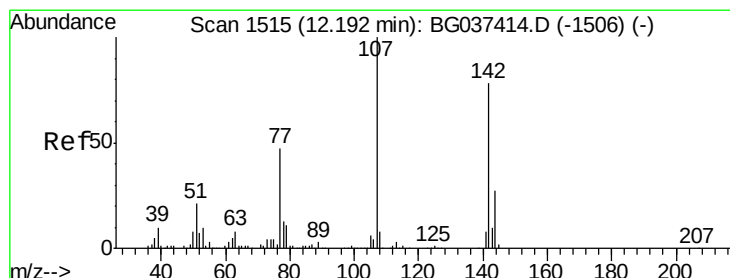
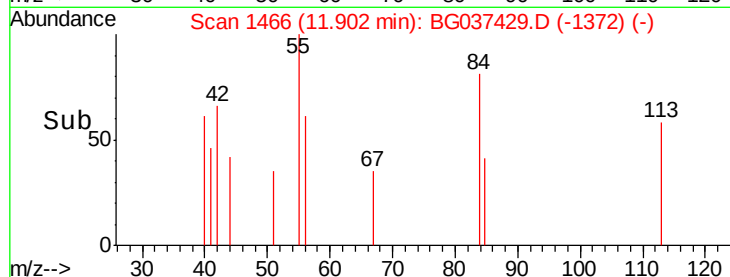
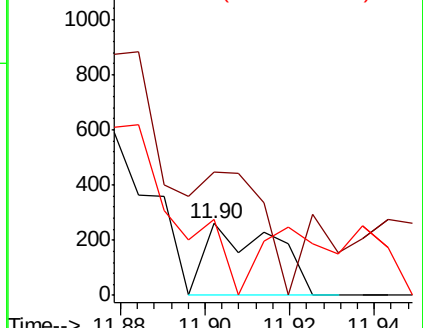
56 105.7 128.3 168.3#



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: 4.732 ng

RT: 12.18 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

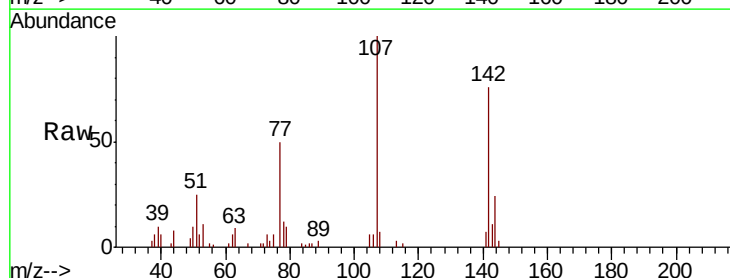
Tgt Ion:107 Resp: 20732

Ion Ratio Lower Upper

107 100

144 24.1 20.7 31.1

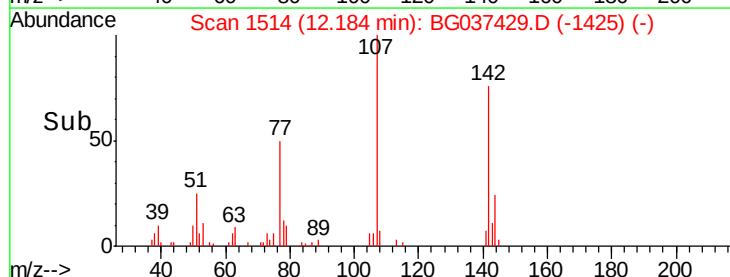
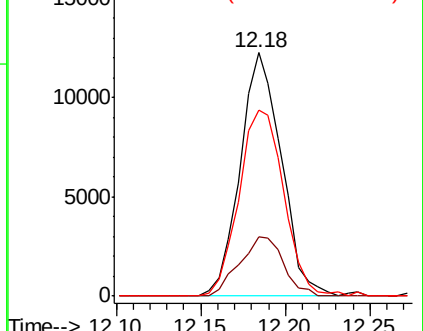
142 76.3 64.4 96.6

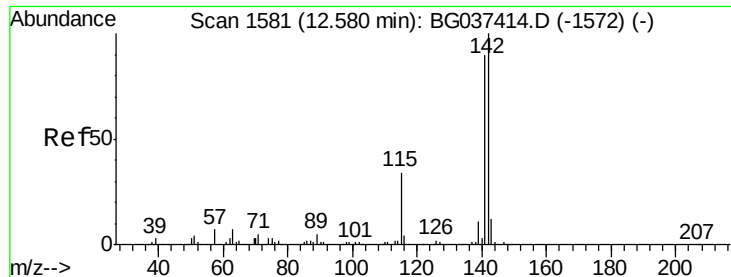


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

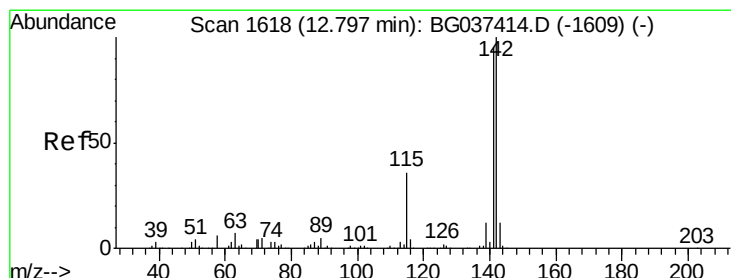
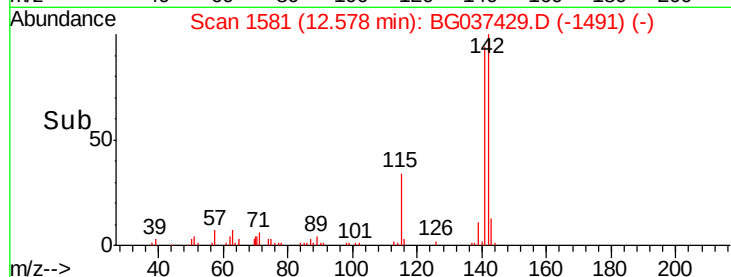
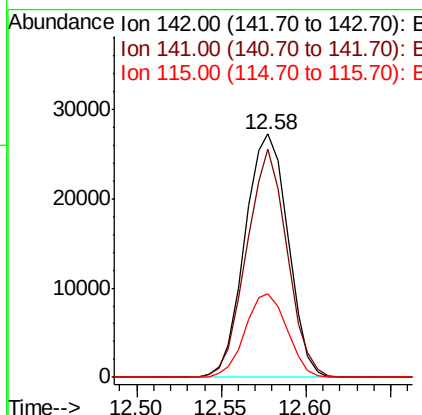
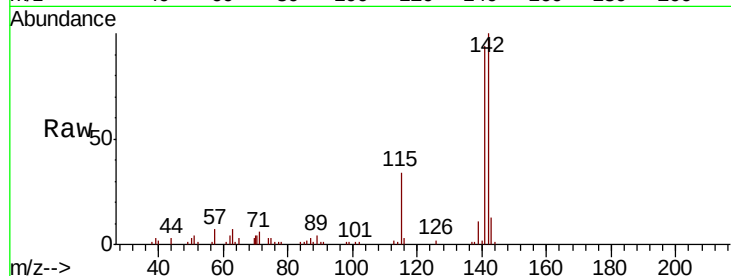




#37
2-Methylnaphthalene
Concen: 5.756 ng
RT: 12.58 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

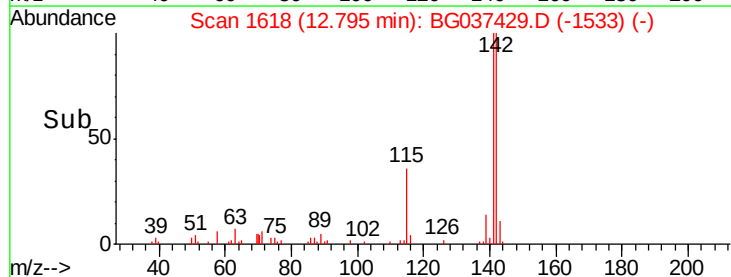
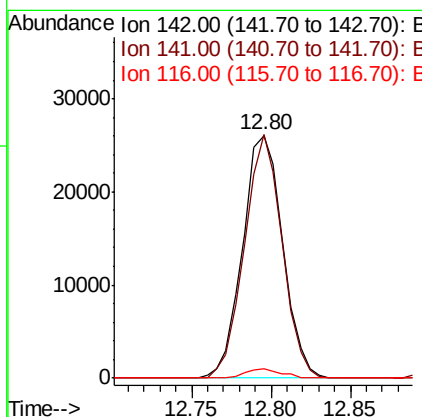
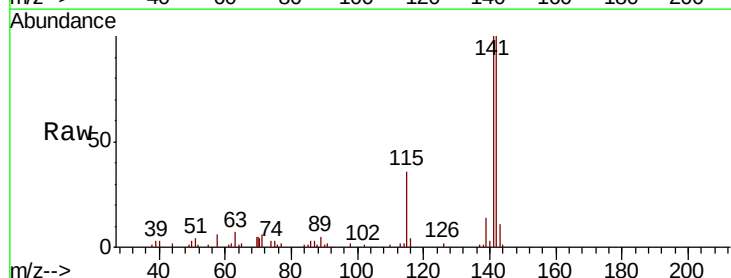
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

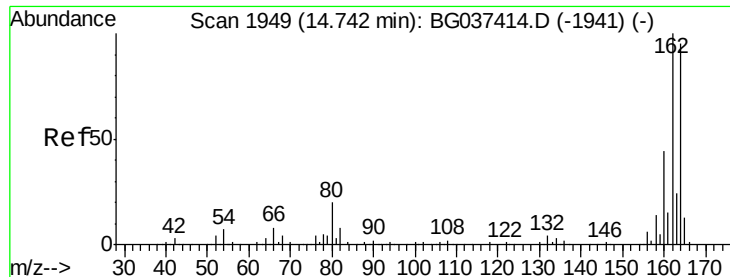
Tot Ion:142 Resp: 48202
Ion Ratio Lower Upper
142 100
141 93.8 71.9 107.9
115 34.2 27.8 41.8



#38
1-Methylnaphthalene
Concen: 5.632 ng
RT: 12.80 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion:142 Resp: 45808
Ion Ratio Lower Upper
142 100
141 100.3 75.2 112.8
116 3.8 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

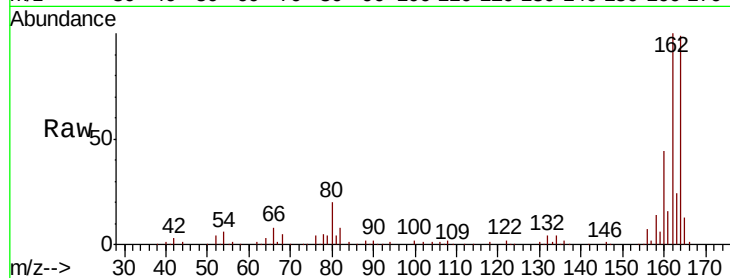
Tot Ion:164 Resp: 157985

Ion Ratio Lower Upper

164 100

162 100.5 81.3 121.9

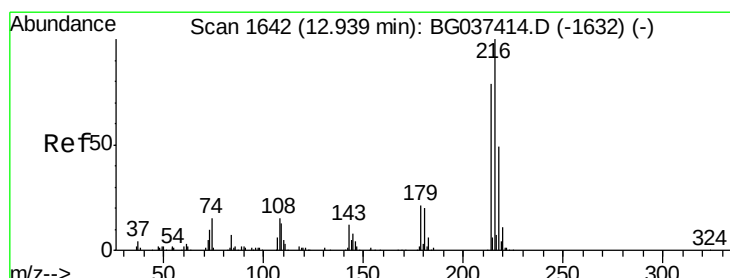
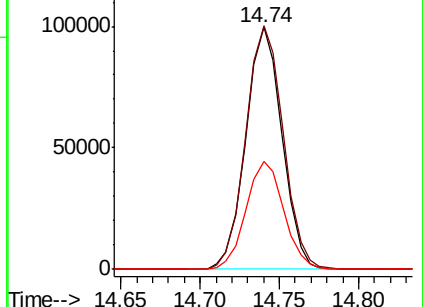
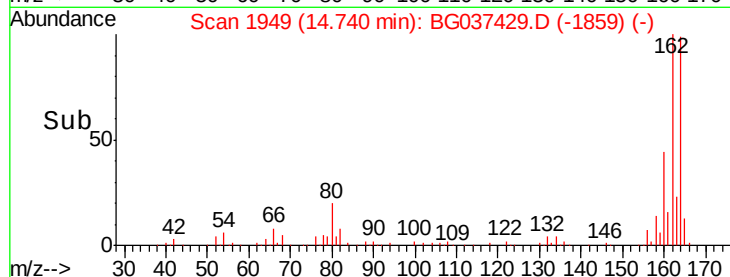
160 44.4 36.3 54.5



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: 4.829 ng

RT: 12.94 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Tgt Ion:216 Resp: 24607

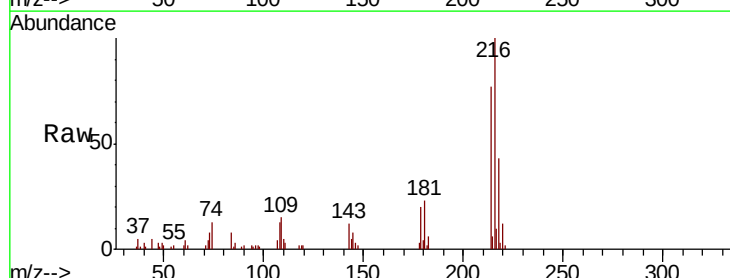
Ion Ratio Lower Upper

216 100

214 80.4 63.8 95.6

179 20.9 17.4 26.0

108 15.4 13.9 20.9

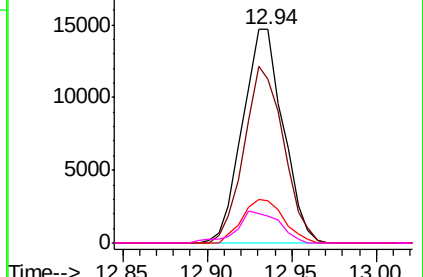
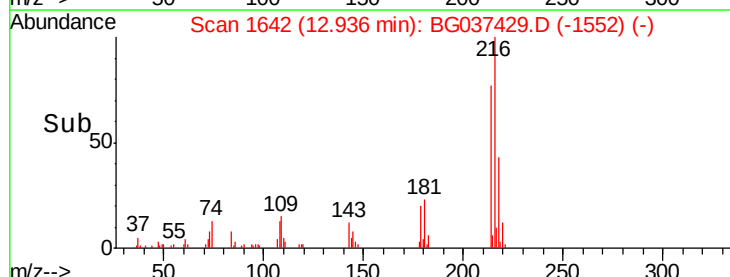


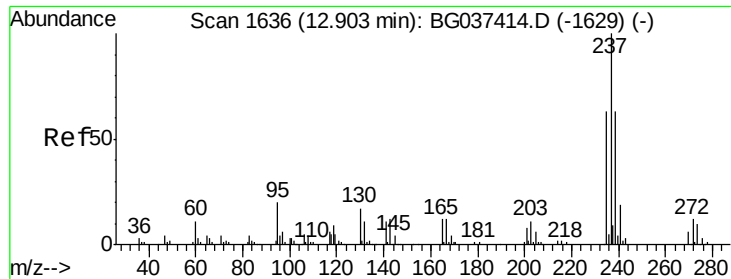
Abundance Ion 216.00 (215.70 to 216.70): E

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

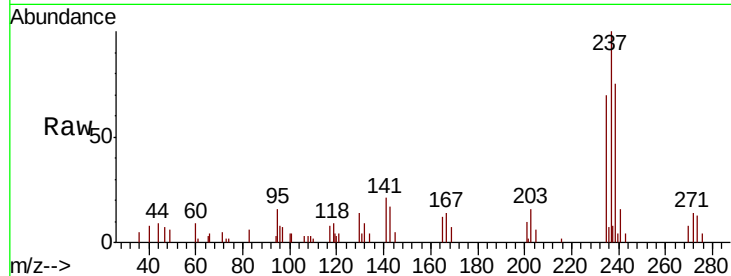




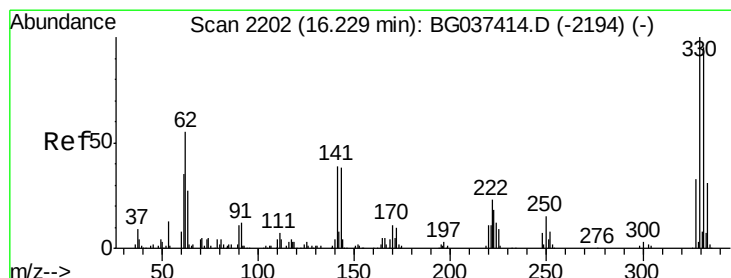
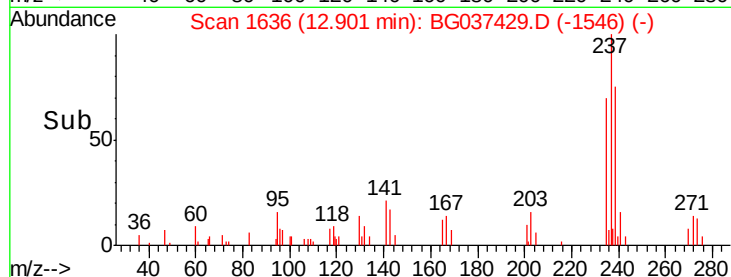
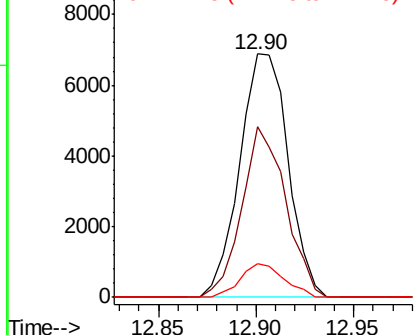
#41
Hexachlorocyclopentadiene
Concen: 4.838 ng
RT: 12.90 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:237 Resp: 11777
Ion Ratio Lower Upper
237 100
235 70.2 42.5 82.5
272 13.9 0.0 31.6

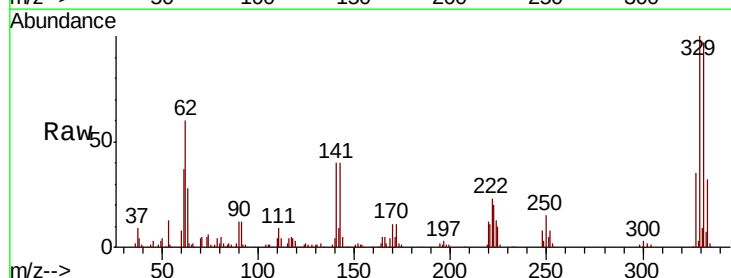


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

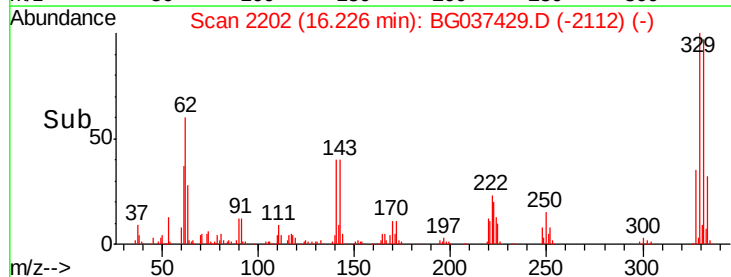
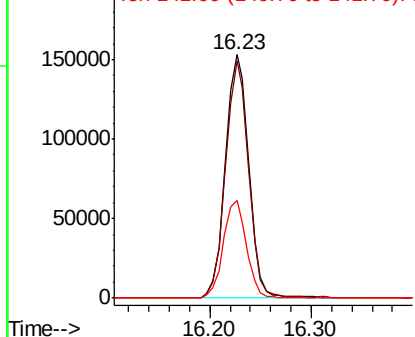


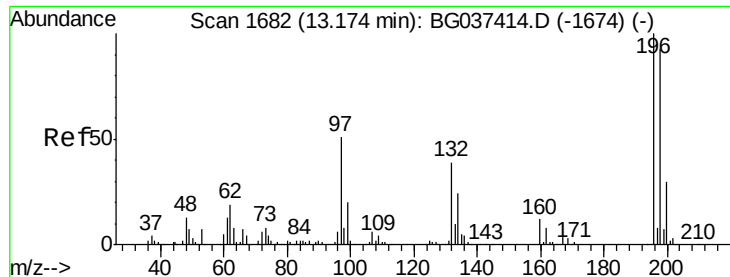
#42
2,4,6-Tribromophenol
Concen: 141.838 ng
RT: 16.23 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion:330 Resp: 244404
Ion Ratio Lower Upper
330 100
332 95.6 78.4 117.6
141 39.9 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

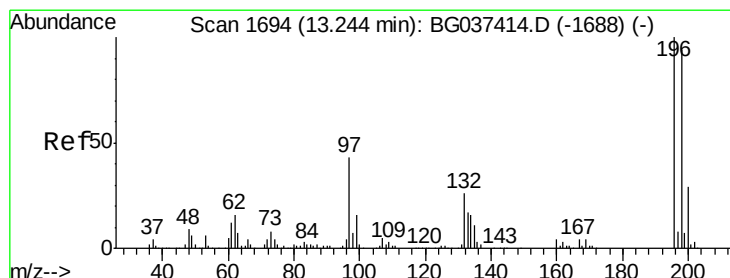
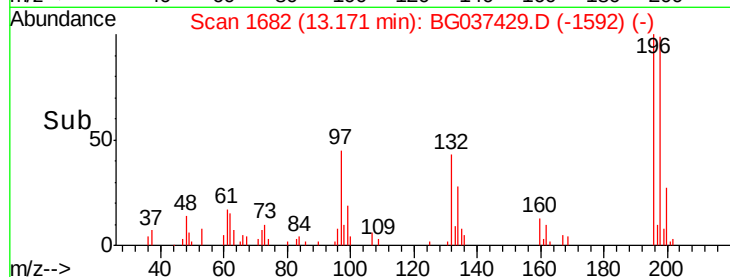
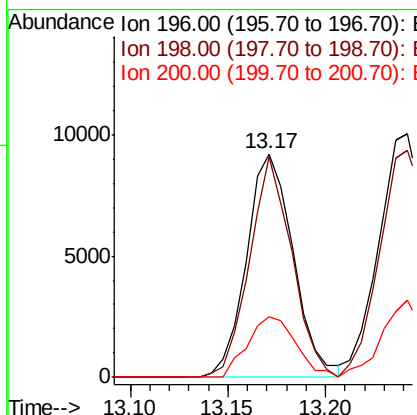
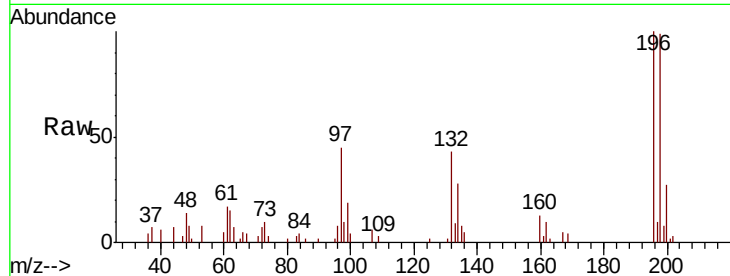




#43
 2,4,6-Trichlorophenol
 Concen: 4.482 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

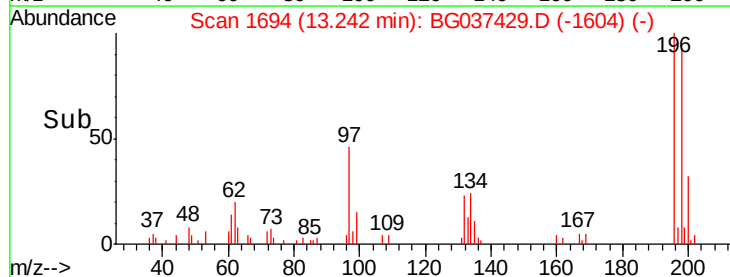
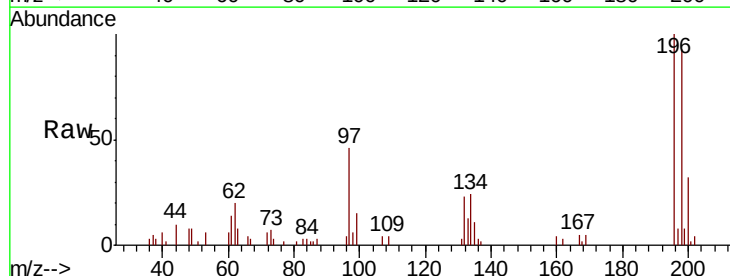
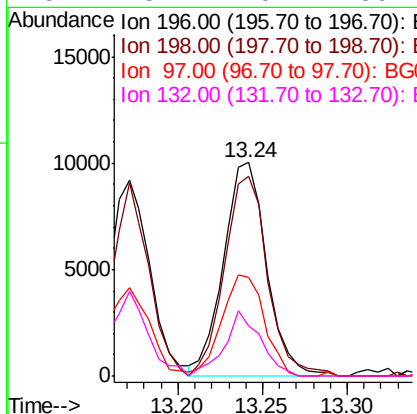
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

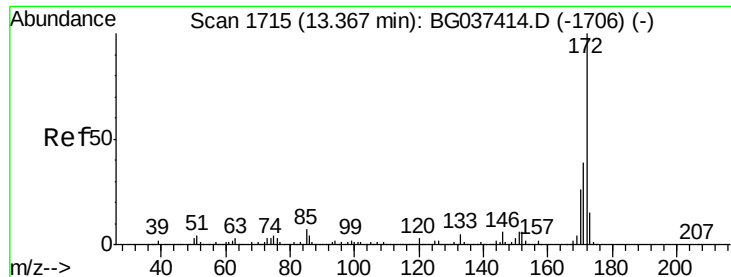
Tot Ion:196 Resp: 15260
 Ion Ratio Lower Upper
 196 100
 198 98.7 76.4 114.6
 200 27.2 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 4.800 ng
 RT: 13.24 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

Tgt Ion:196 Resp: 17792
 Ion Ratio Lower Upper
 196 100
 198 93.5 74.2 111.2
 97 46.2 34.1 51.1
 132 23.2 20.2 30.4

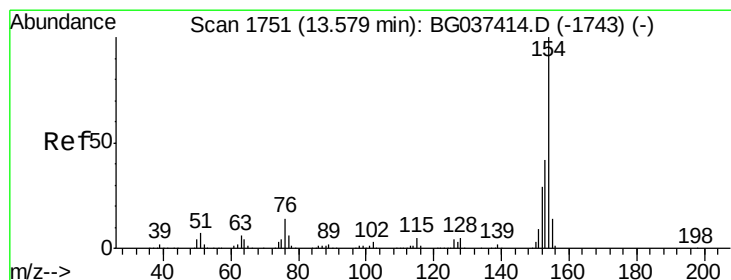
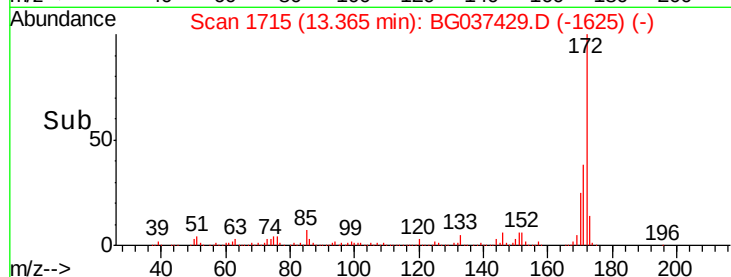
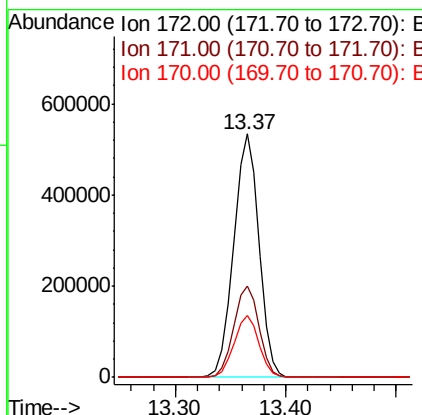
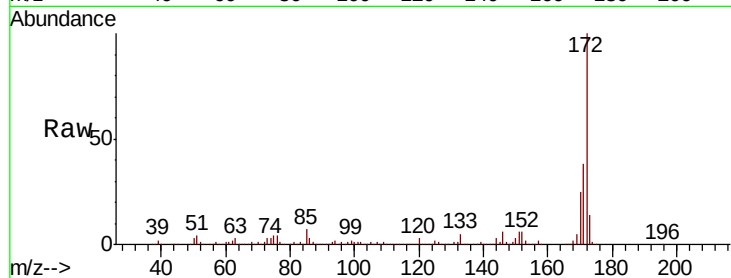




#45
2-Fluorobiphenyl
Concen: 81.659 ng
RT: 13.37 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

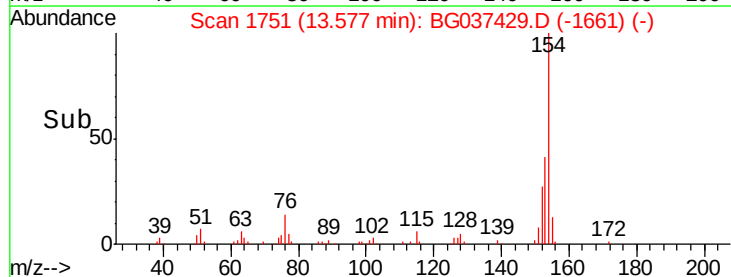
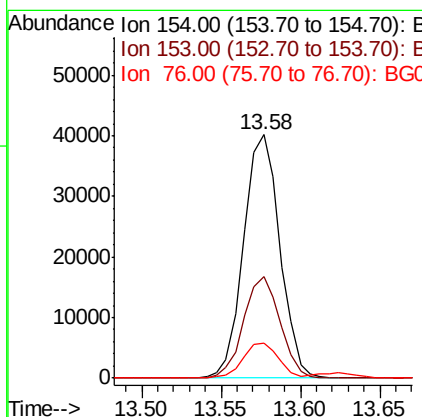
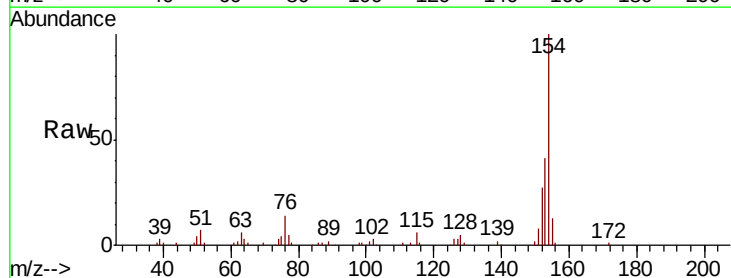
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

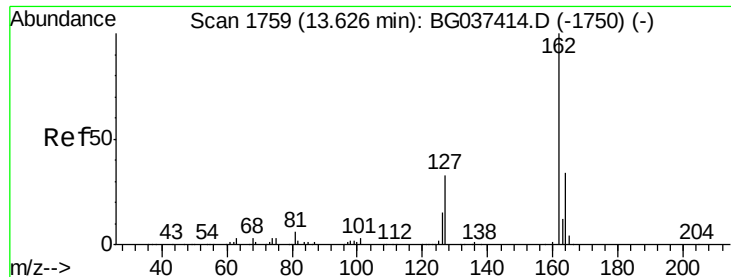
Tot Ion:172 Resp: 855529
Ion Ratio Lower Upper
172 100
171 37.5 31.0 46.4
170 25.2 20.2 30.2



#46
1,1'-Biphenyl
Concen: 4.870 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion:154 Resp: 63716
Ion Ratio Lower Upper
154 100
153 41.5 22.1 62.1
76 14.4 0.0 33.2

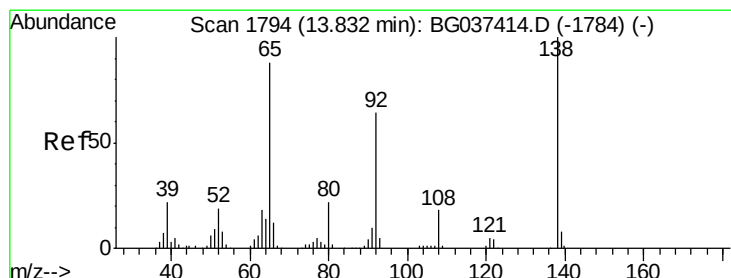
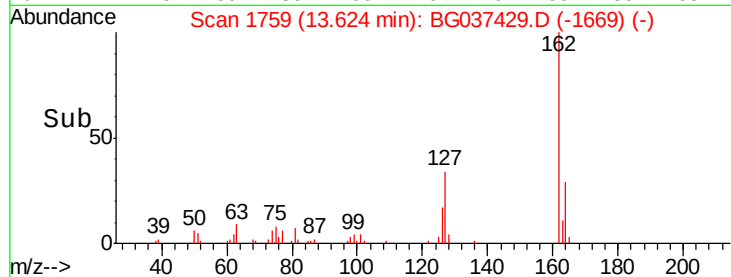
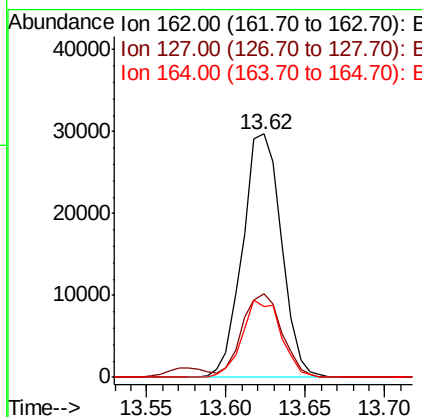
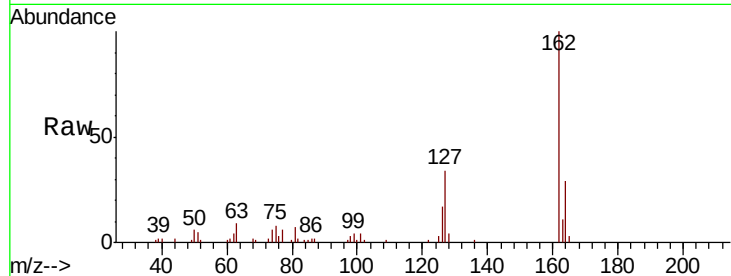




#47
2-Chloronaphthalene
Concen: 5.119 ng
RT: 13.62 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

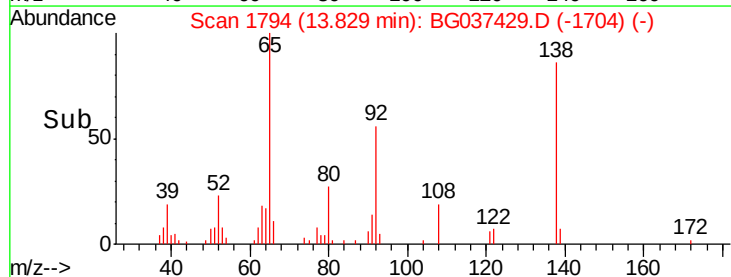
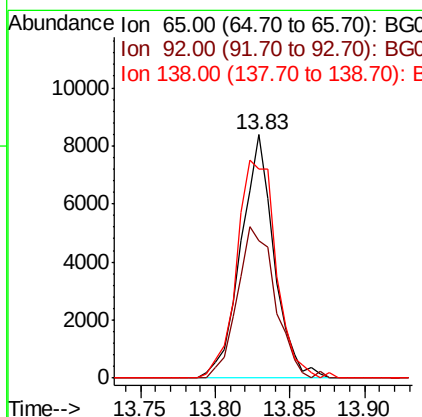
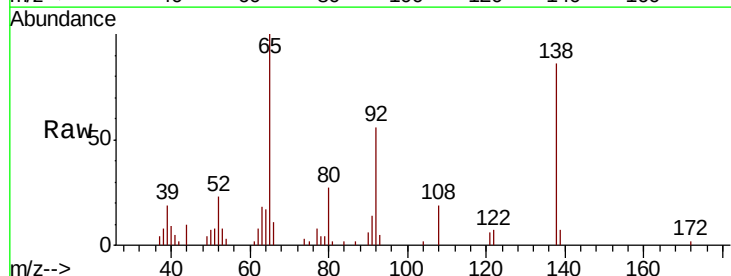
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

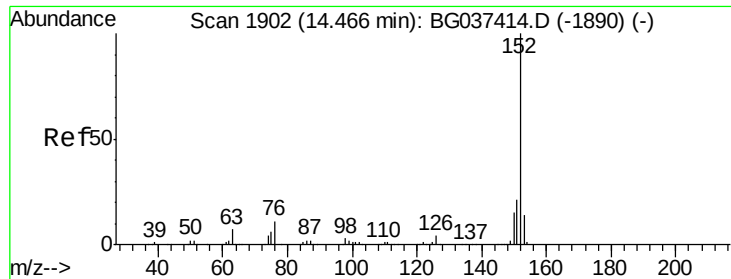
Tot Ion	Ratio	Lower	Upper
162	100		
127	34.2	30.5	45.7
164	28.9	26.4	39.6



#48
2-Nitroaniline
Concen: 4.292 ng
RT: 13.83 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion	Ratio	Lower	Upper
65	100		
92	56.4	53.2	79.8
138	85.8	79.3	118.9





#49

Acenaphthylene

Concen: 5.457 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

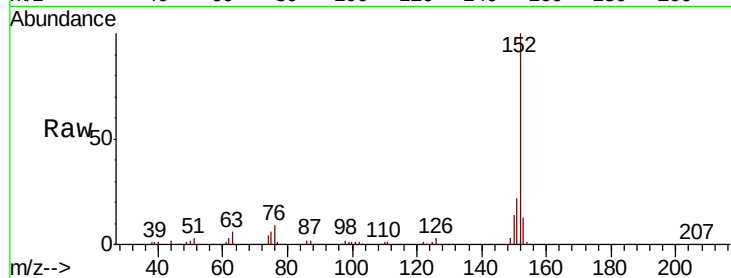
Tot Ion:152 Resp: 81261

Ion Ratio Lower Upper

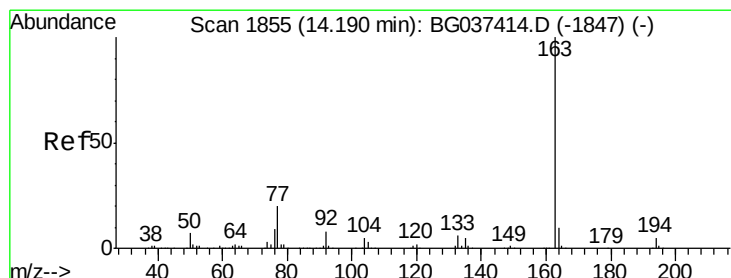
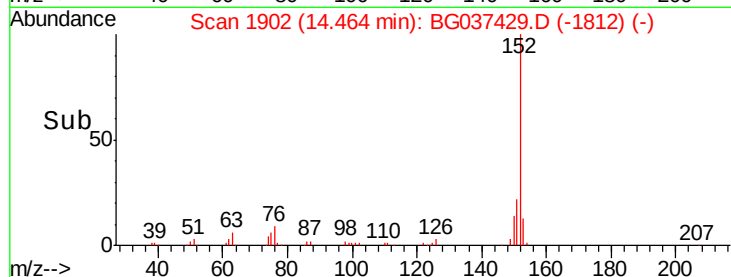
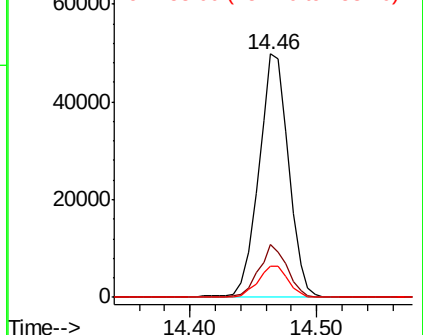
152 100

151 21.6 17.1 25.7

153 13.0 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: 5.282 ng

RT: 14.19 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

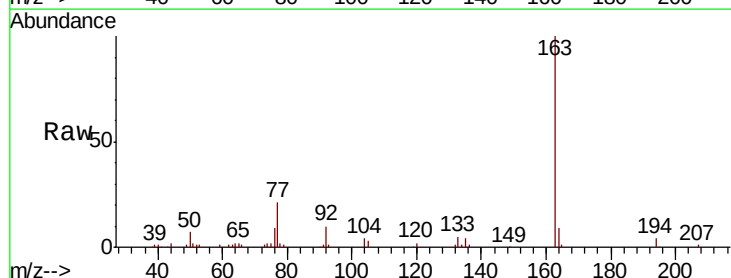
Tgt Ion:163 Resp: 64552

Ion Ratio Lower Upper

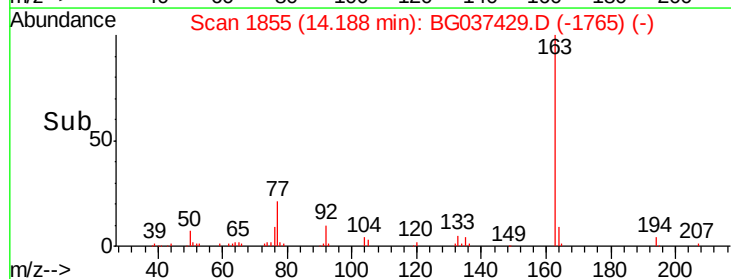
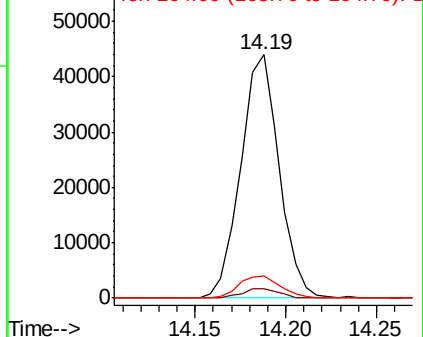
163 100

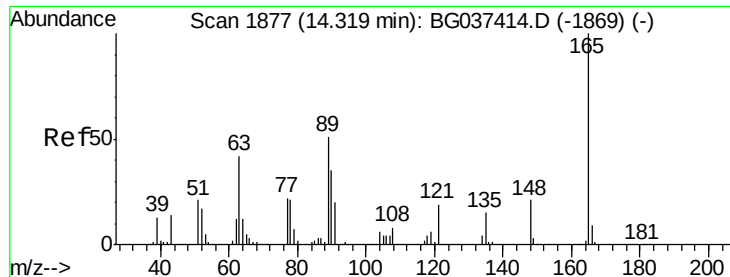
194 4.0 3.5 5.3

164 9.0 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: 4.584 ng

RT: 14.31 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

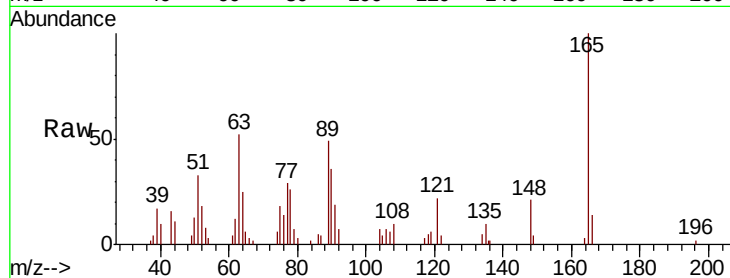
Tot Ion:165 Resp: 12394

Ion Ratio Lower Upper

165 100

63 52.0 43.4 65.2

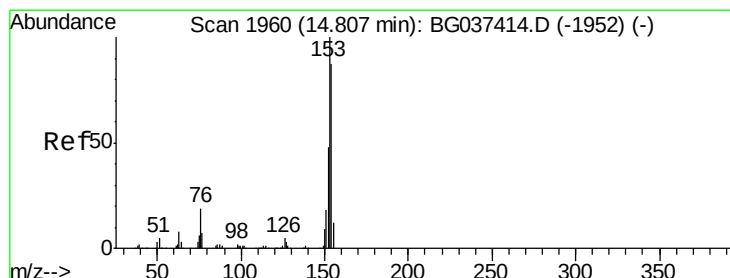
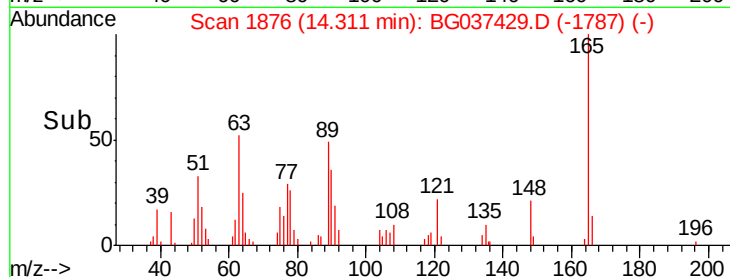
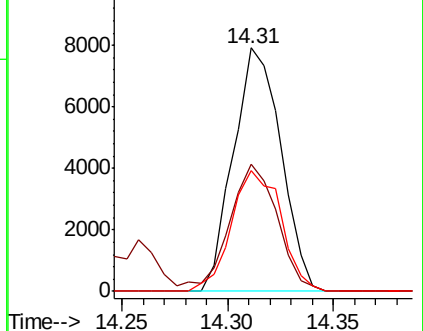
89 49.3 45.8 68.6



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52

Acenaphthene

Concen: 5.327 ng

RT: 14.80 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

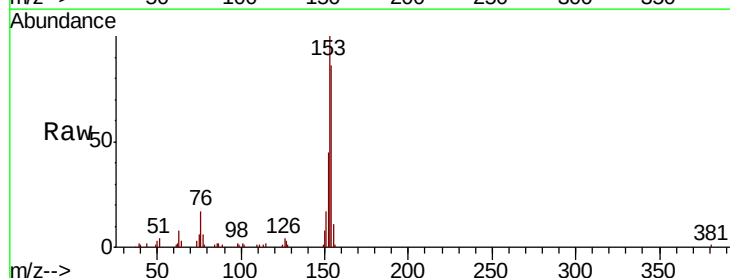
Tgt Ion:154 Resp: 48854

Ion Ratio Lower Upper

154 100

153 116.8 93.4 140.0

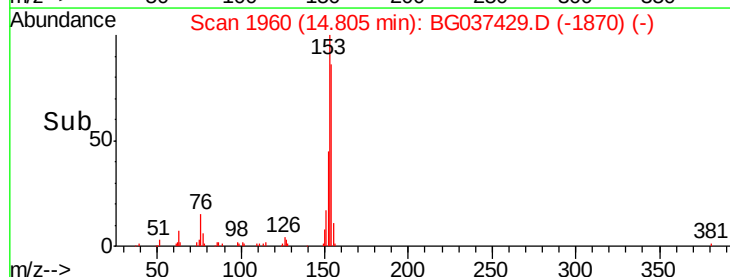
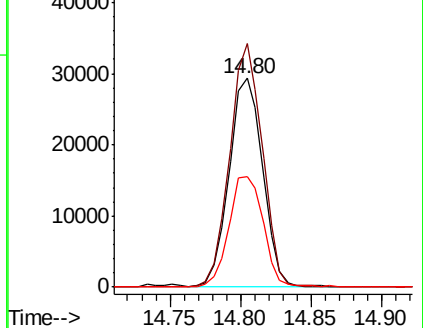
152 52.8 44.7 67.1

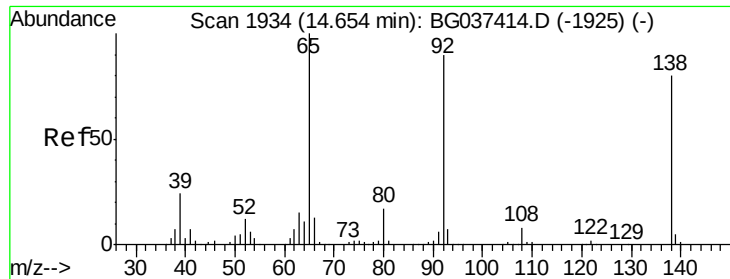


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

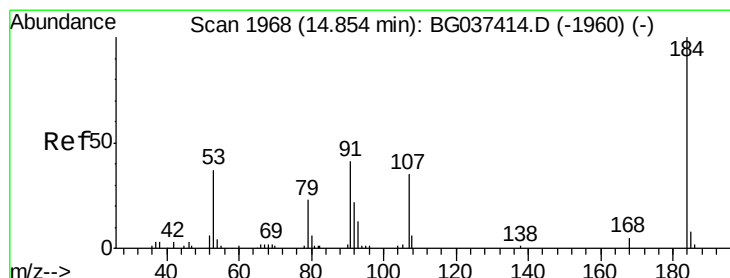
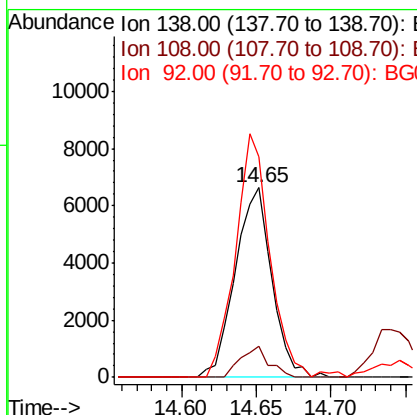
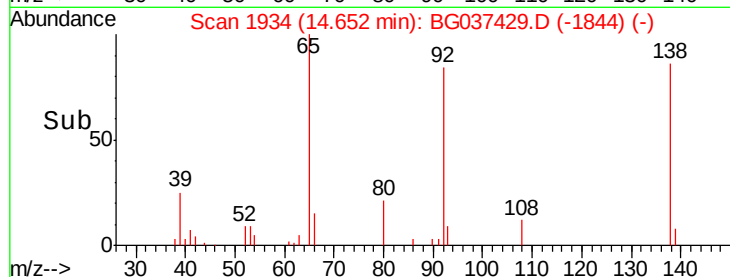
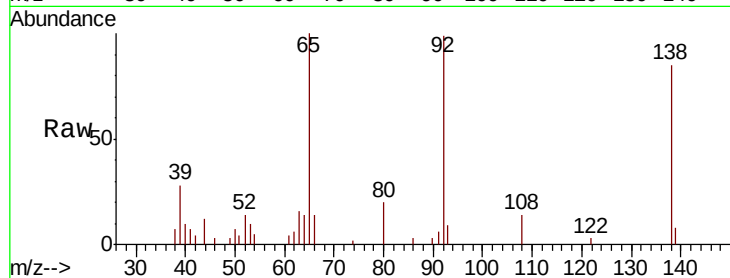




#53
 3-Nitroaniline
 Concen: 3.757 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. -0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

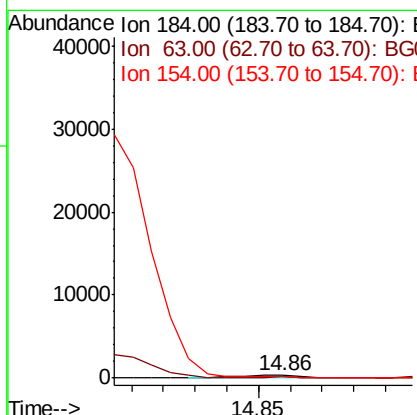
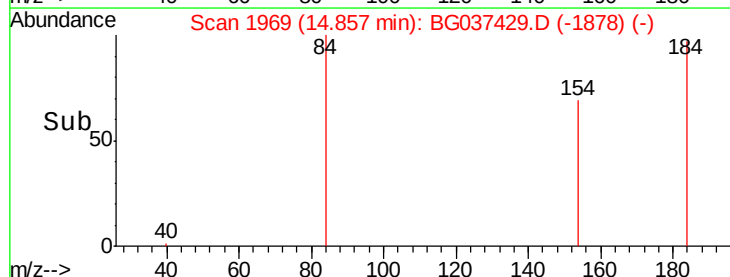
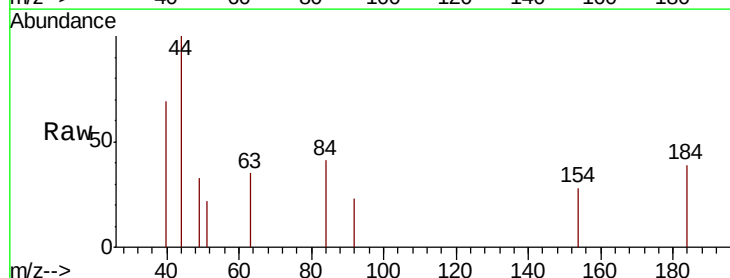
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

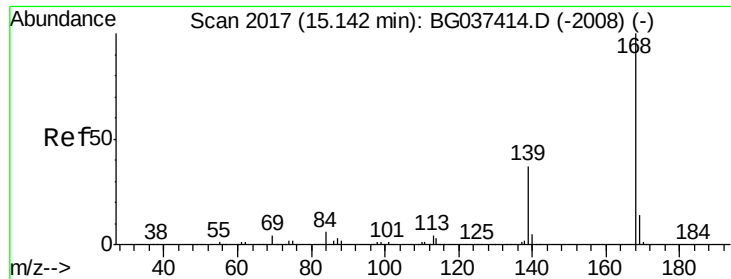
Tot Ion:138 Resp: 11278
 Ion Ratio Lower Upper
 138 100
 108 16.7 11.0 16.6#
 92 116.8 95.2 142.8



#54
 2,4-Dinitrophenol
 Concen: 6.846 ng
 RT: 14.86 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

Tgt Ion:184 Resp: 455
 Ion Ratio Lower Upper
 184 100
 63 89.5 42.6 63.8#
 154 71.2 41.8 62.6#

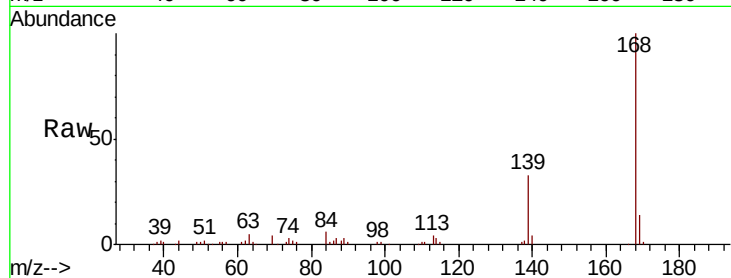




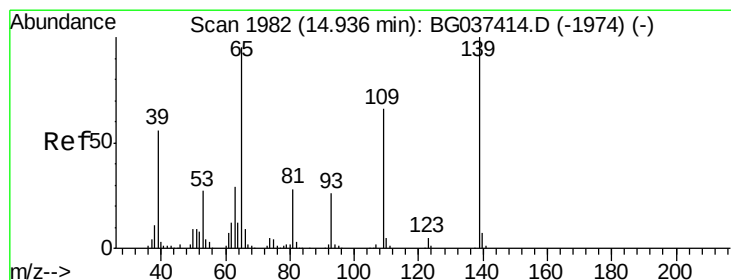
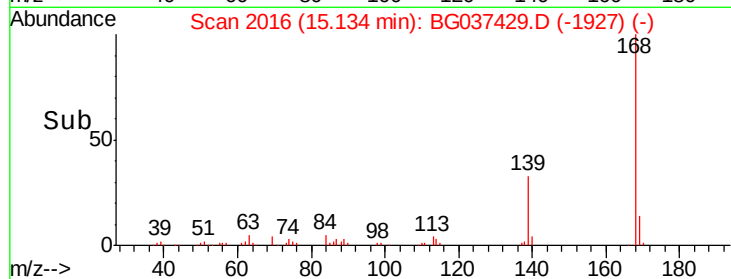
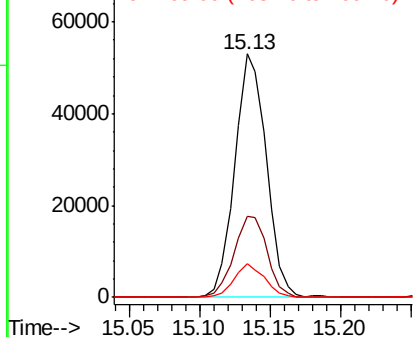
#55
Dibenzofuran
Concen: 5.433 ng
RT: 15.13 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:168 Resp: 82546
Ion Ratio Lower Upper
168 100
139 33.2 29.4 44.0
169 14.0 11.0 16.6

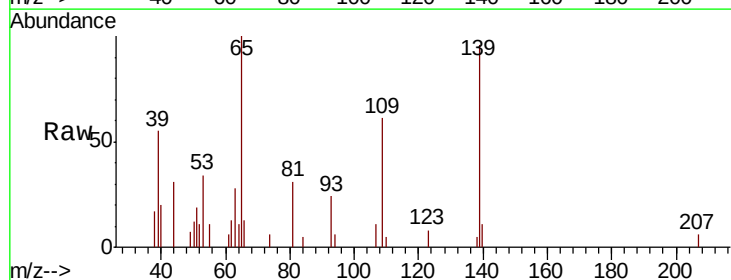


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

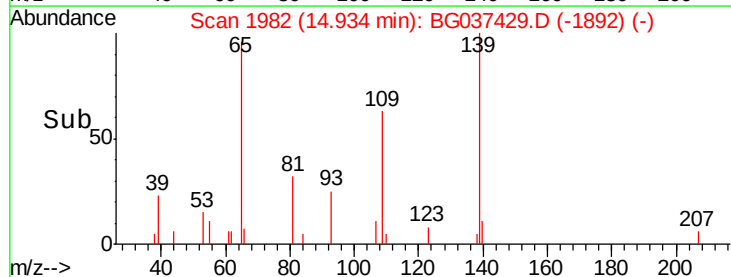
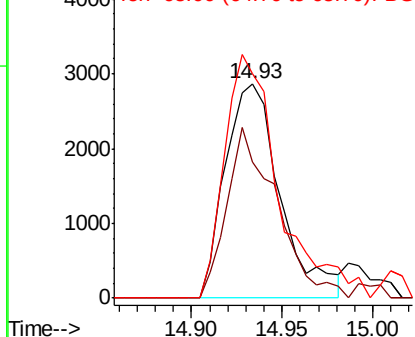


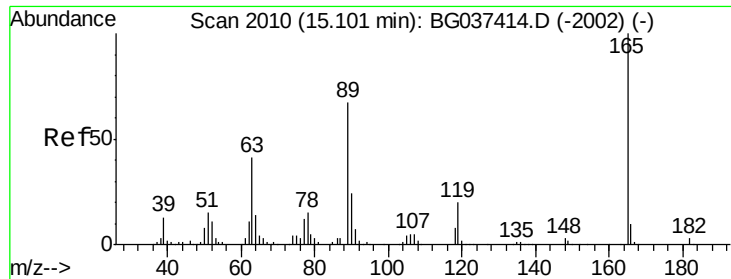
#56
4-Nitrophenol
Concen: 2.719 ng
RT: 14.93 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion:139 Resp: 6041
Ion Ratio Lower Upper
139 100
109 63.2 49.5 89.5
65 104.4 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): BG

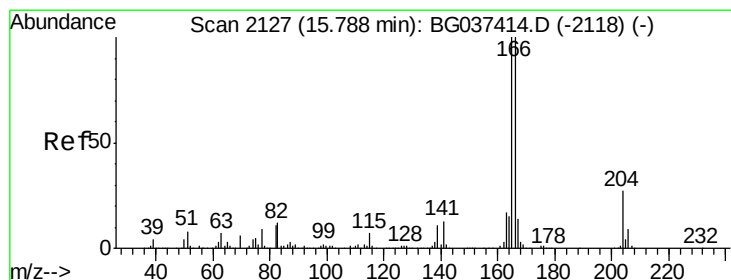
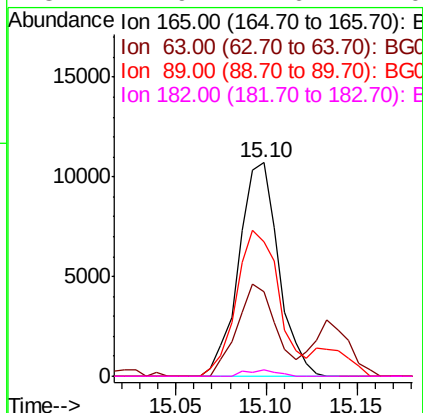
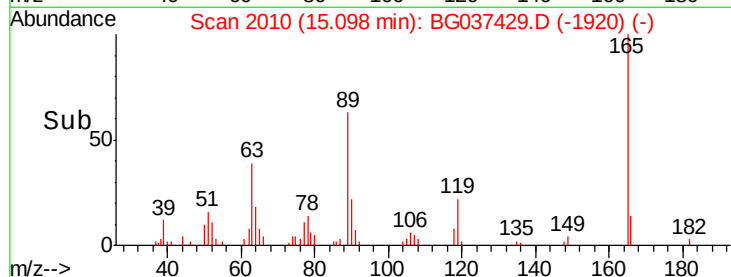
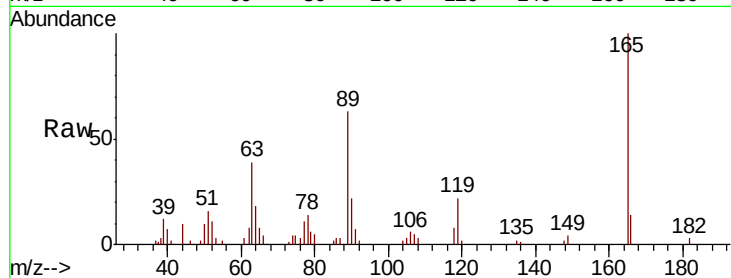




#57
2,4-Dinitrotoluene
Concen: 4.612 ng
RT: 15.10 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

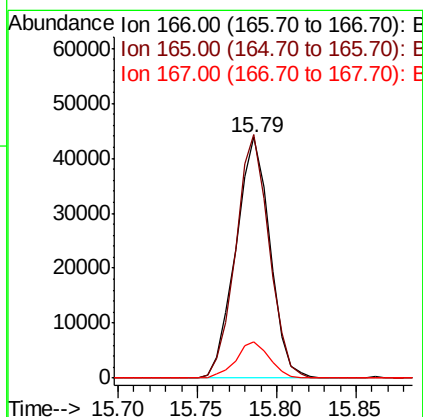
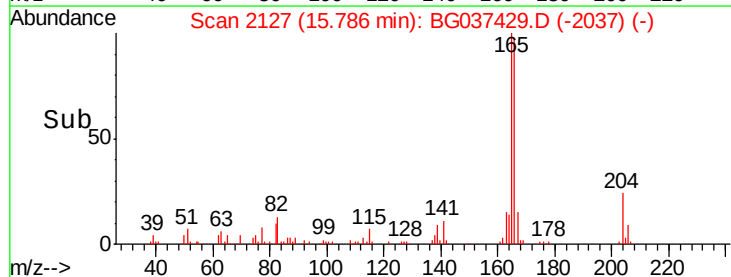
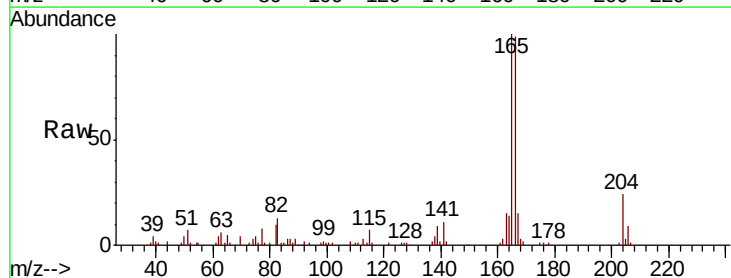
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

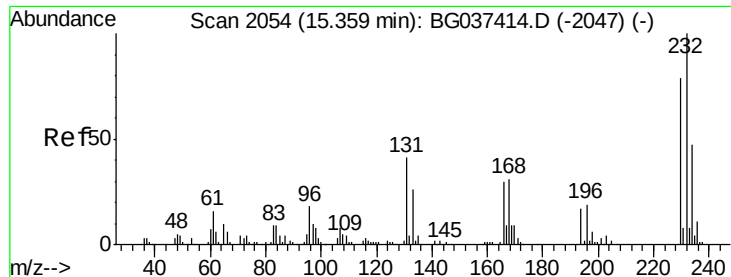
Tot Ion:165	Resp:	16368
Ion Ratio	Lower	Upper
165	100	
63	39.4	33.4 50.0
89	62.6	57.2 85.8
182	2.9	2.6 4.0



#58
Fluorene
Concen: 5.752 ng
RT: 15.79 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion:166	Resp:	65445
Ion Ratio	Lower	Upper
166	100	
165	101.1	79.0 118.6
167	14.8	11.3 16.9

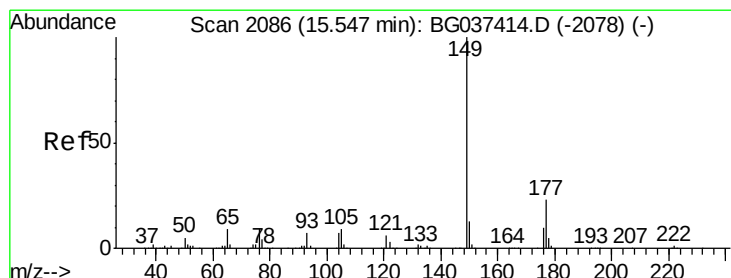
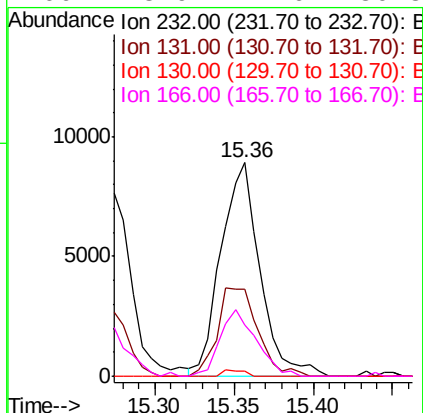
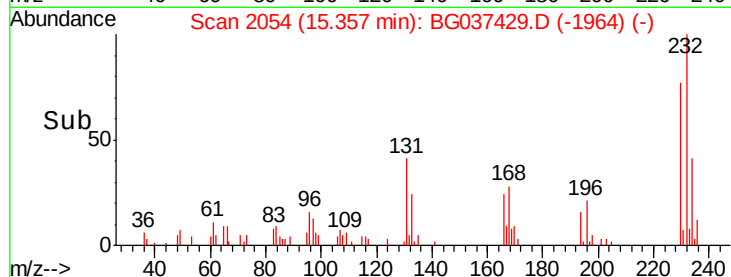
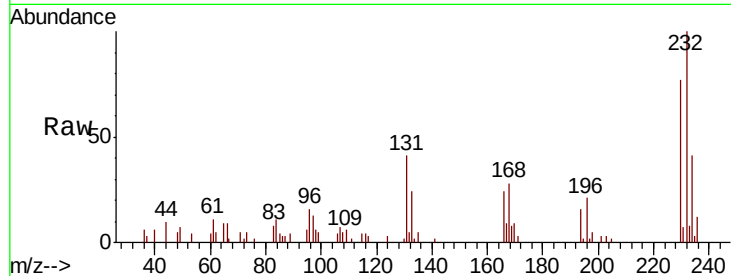




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.796 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

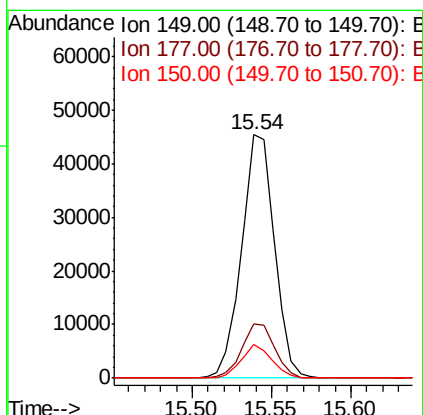
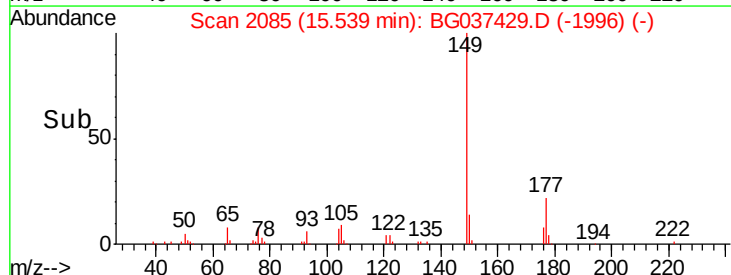
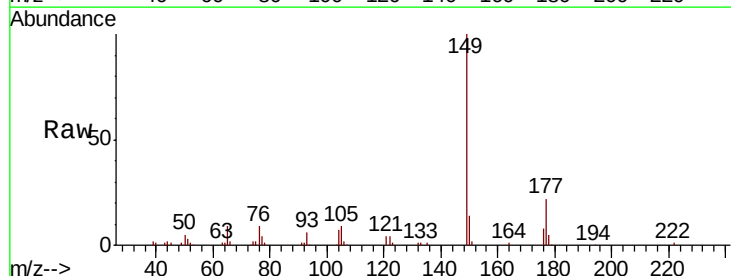
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

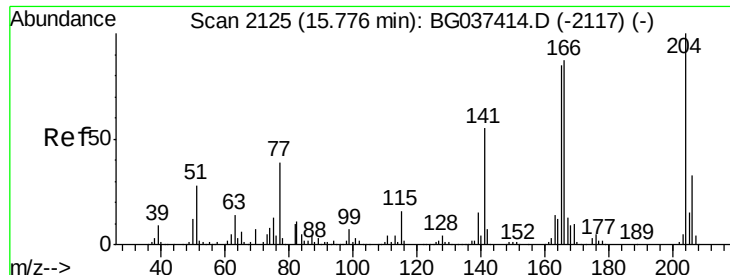
Tot Ion:232 Resp: 15221
 Ion Ratio Lower Upper
 232 100
 131 43.0 33.7 50.5
 130 1.6 2.1 3.1#
 166 28.9 24.6 36.8



#60
 Diethylphthalate
 Concen: 5.203 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

Tgt Ion:149 Resp: 65288
 Ion Ratio Lower Upper
 149 100
 177 22.0 18.3 27.5
 150 13.6 10.0 15.0

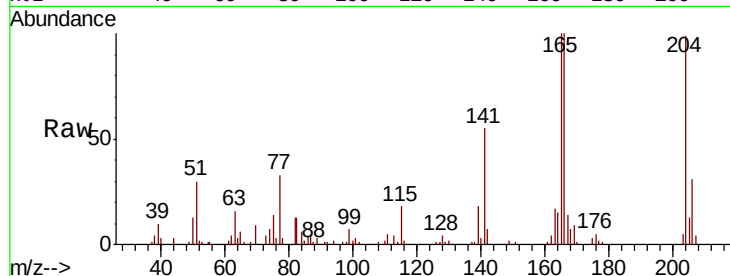




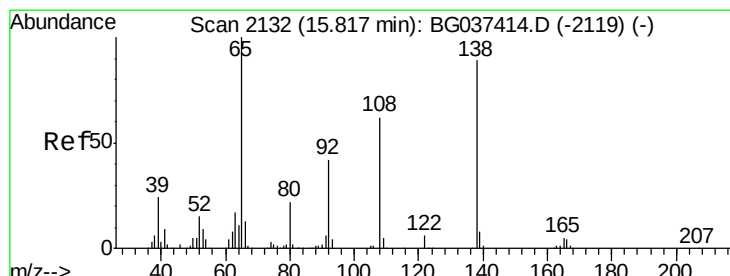
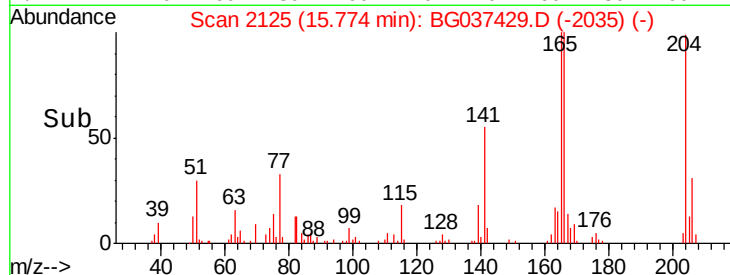
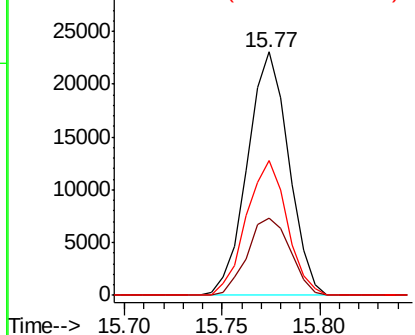
#61
 4-Chlorophenyl-phenylether
 Concen: 5.084 ng
 RT: 15.77 min Scan# 2125
 Delta R.T. -0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tot Ion:204 Resp: 33713
 Ion Ratio Lower Upper
 204 100
 206 31.7 26.6 39.8
 141 55.5 45.4 68.2

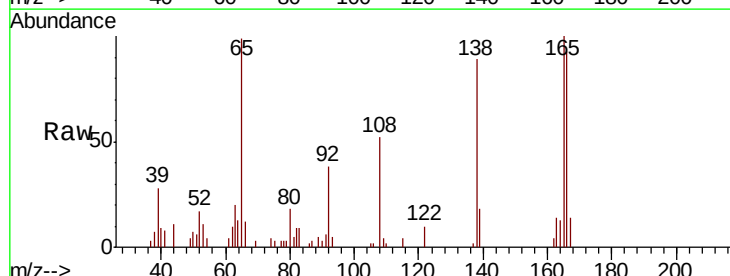


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

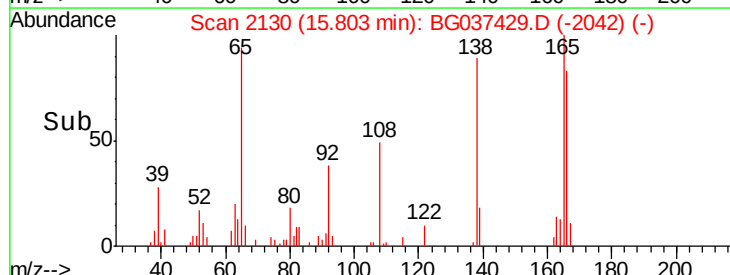
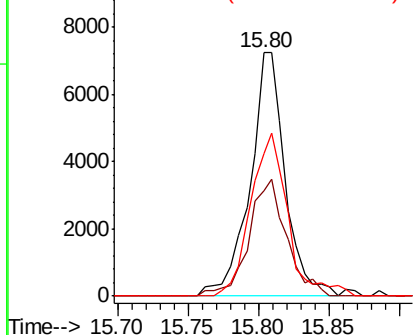


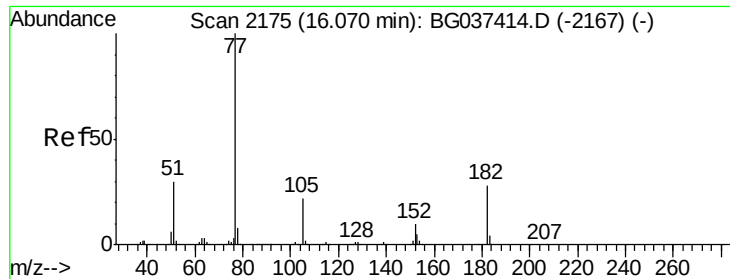
#62
 4-Nitroaniline
 Concen: 4.237 ng
 RT: 15.80 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

Tgt Ion:138 Resp: 12638
 Ion Ratio Lower Upper
 138 100
 92 43.2 36.4 76.4
 108 58.4 60.1 100.1#



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





#63

Azobenzene

Concen: 5.480 ng

RT: 16.07 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion: 77 Resp: 65606

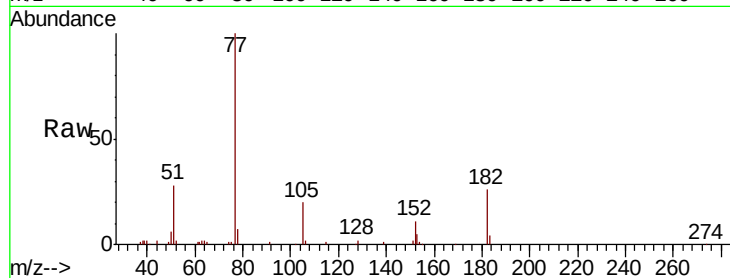
Ion Ratio Lower Upper

77 100

182 25.7 8.0 48.0

105 20.3 1.3 41.3

51 28.0 10.7 50.7

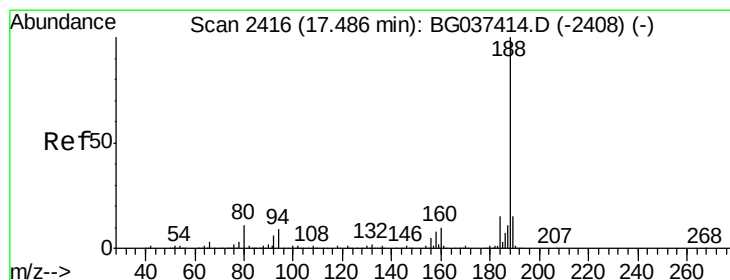
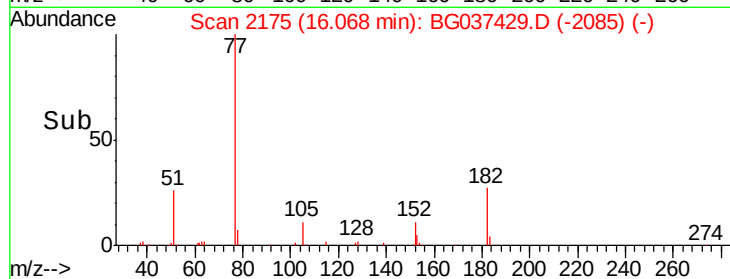
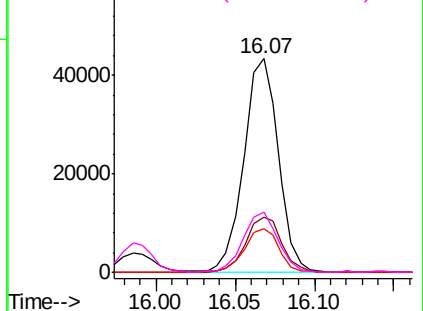


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

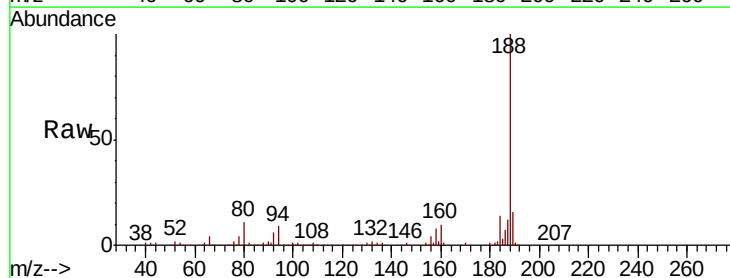
Tgt Ion: 188 Resp: 389590

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

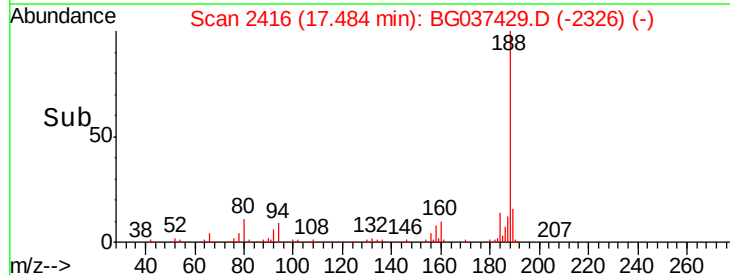
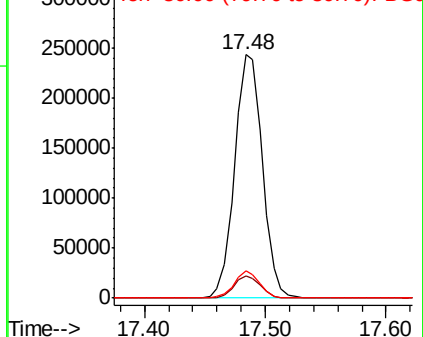
80 11.0 7.7 11.5

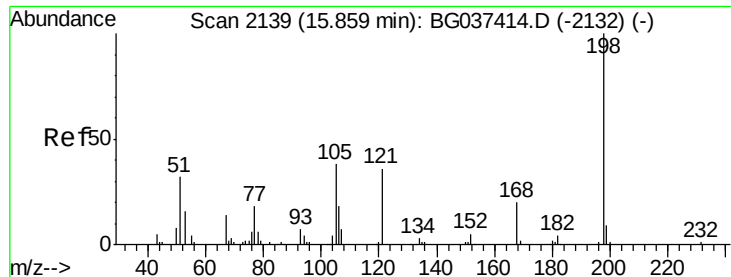


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 9.446 ng

RT: 15.85 min Scan# 2138

Delta R.T. -0.01 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

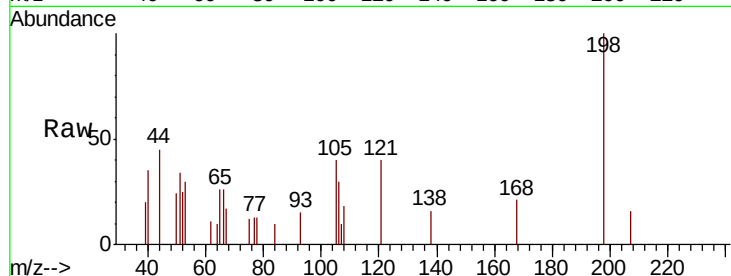
Tot Ion:198 Resp: 2333

Ion	Ratio	Lower	Upper
198	100		
51	34.1	22.7	62.7
105	39.9	19.7	59.7

198 100

51 34.1 22.7 62.7

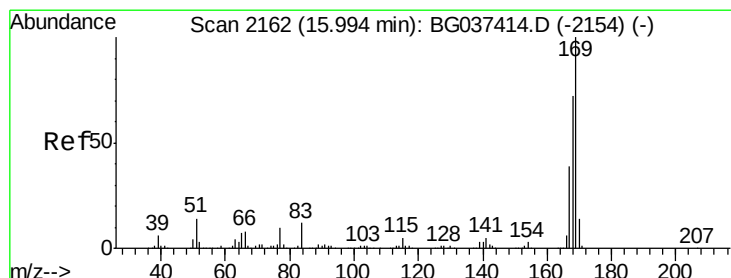
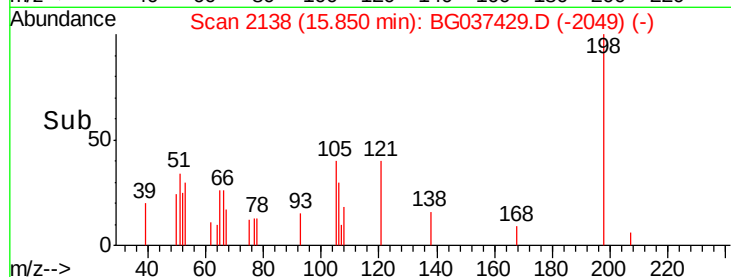
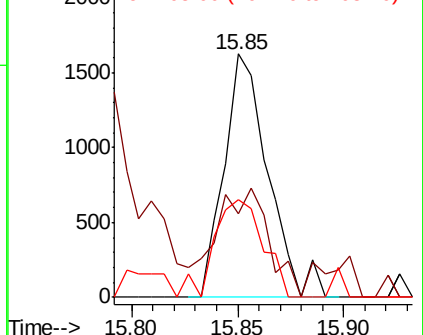
105 39.9 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 4.860 ng

RT: 15.99 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

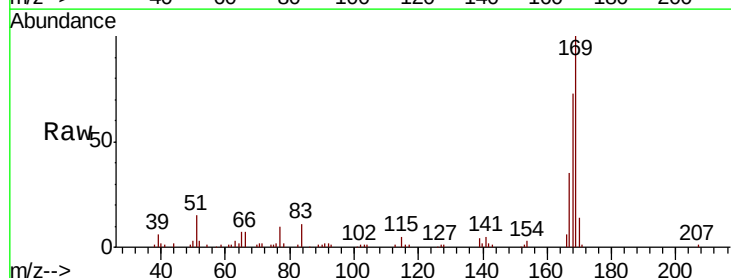
Tgt Ion:169 Resp: 56959

Ion	Ratio	Lower	Upper
169	100		
168	72.5	55.7	83.5
167	34.8	31.3	46.9

169 100

168 72.5 55.7 83.5

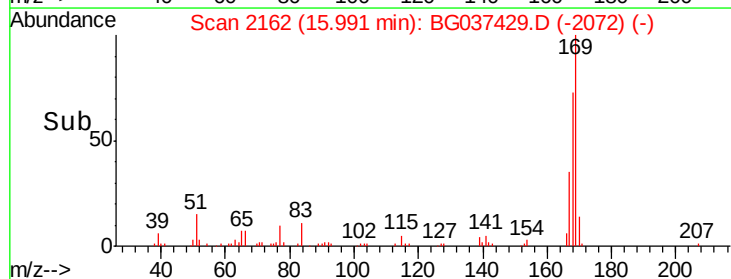
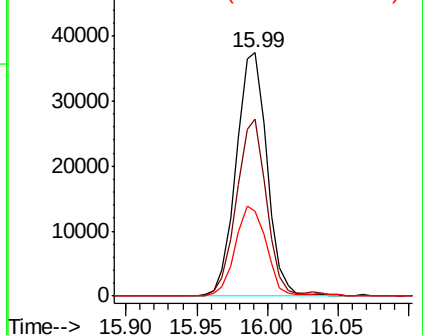
167 34.8 31.3 46.9

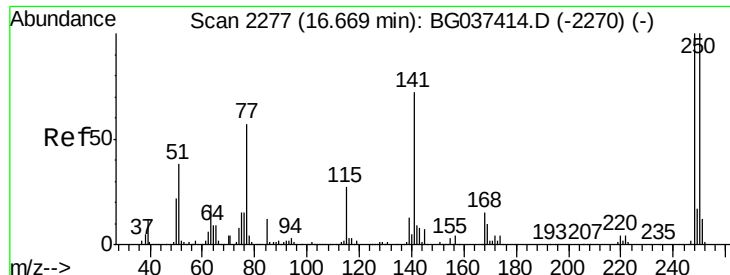


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

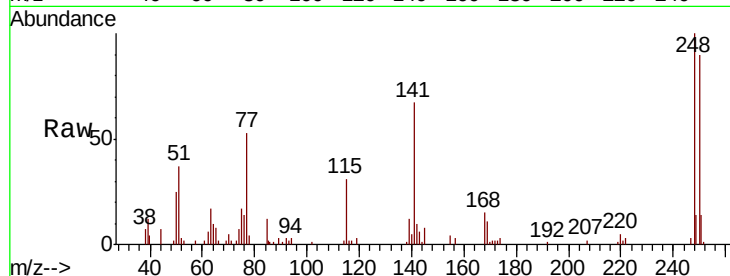




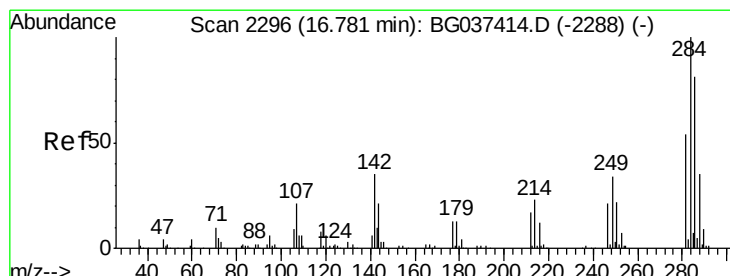
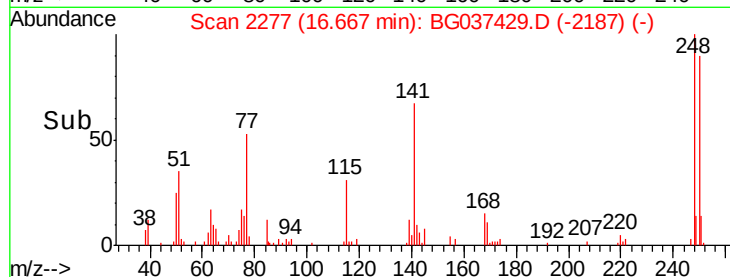
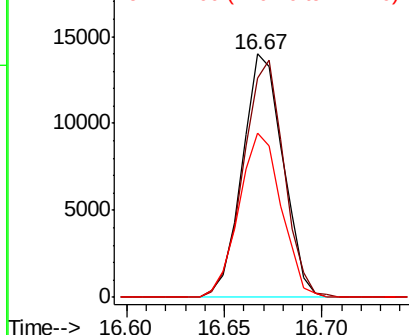
#67
 4-Bromophenyl-phenylether
 Concen: 4.733 ng
 RT: 16.67 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tot Ion:248 Resp: 20250
 Ion Ratio Lower Upper
 248 100
 250 90.2 77.0 115.6
 141 67.3 55.5 83.3

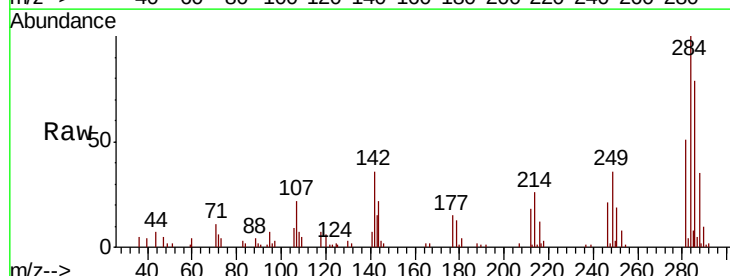


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

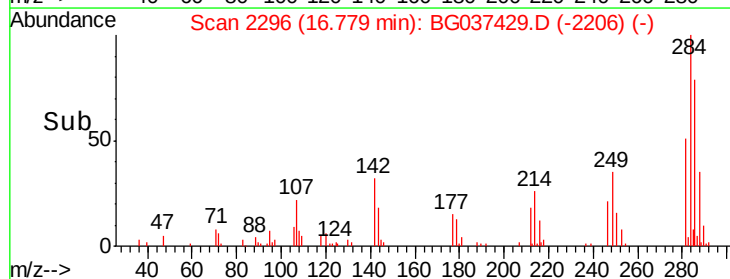
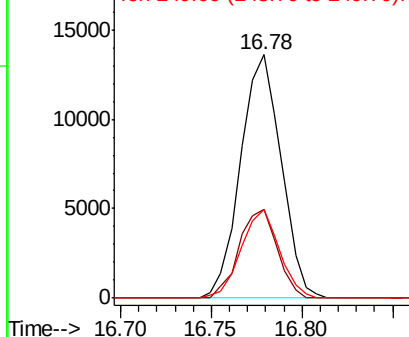


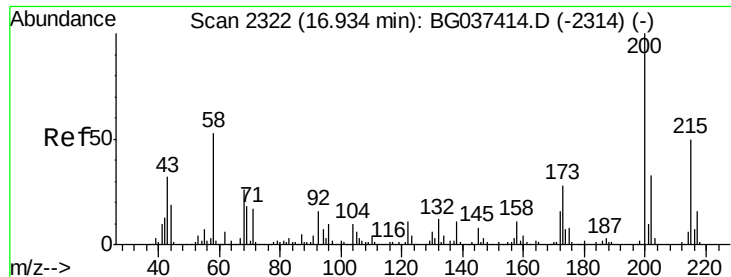
#68
 Hexachlorobenzene
 Concen: 4.774 ng
 RT: 16.78 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

Tgt Ion:284 Resp: 21169
 Ion Ratio Lower Upper
 284 100
 142 36.3 28.1 42.1
 249 39.0 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

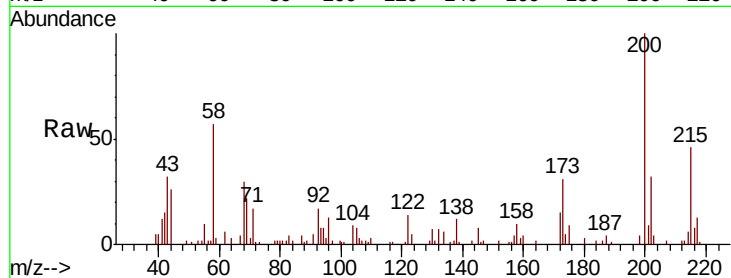




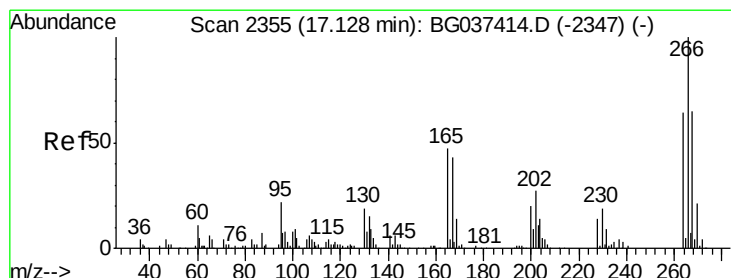
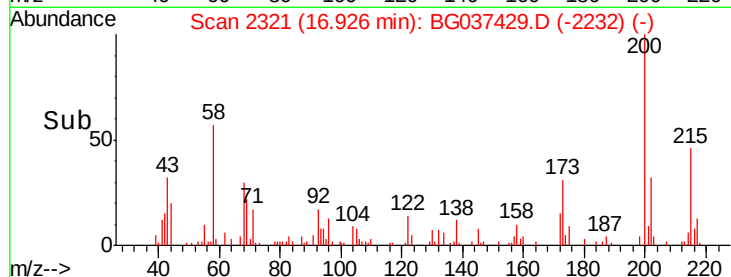
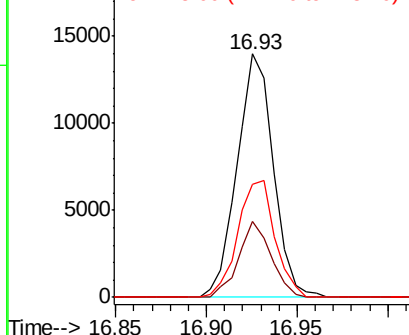
#69
Atrazine
Concen: 4.572 ng
RT: 16.93 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:200 Resp: 19373
Ion Ratio Lower Upper
200 100
173 31.4 6.1 46.1
215 46.5 30.8 70.8

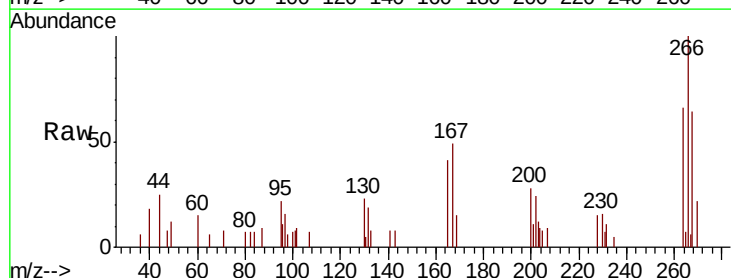


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

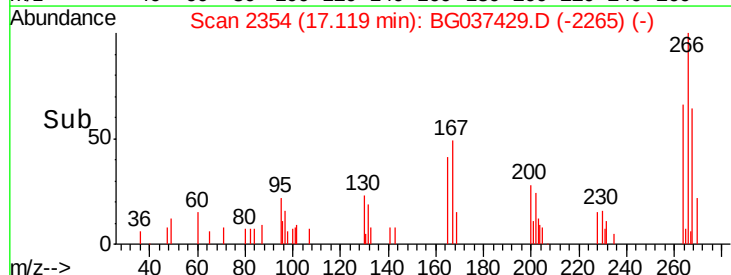
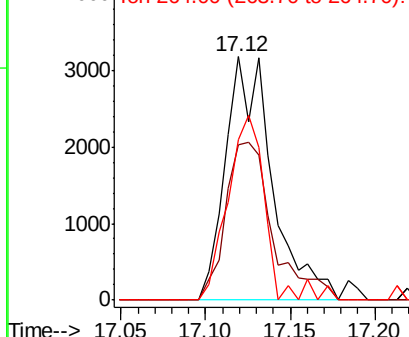


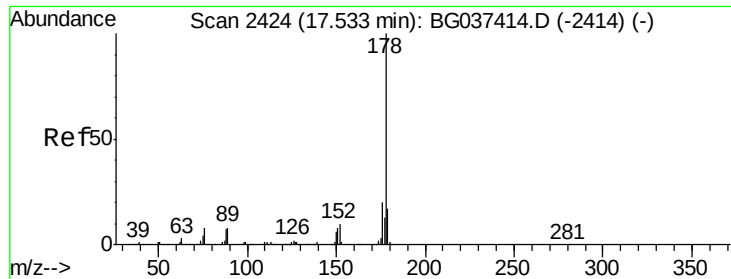
#70
Pentachlorophenol
Concen: 2.055 ng
RT: 17.12 min Scan# 2354
Delta R.T. -0.01 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion:266 Resp: 6103
Ion Ratio Lower Upper
266 100
268 63.7 55.0 82.6
264 72.3 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

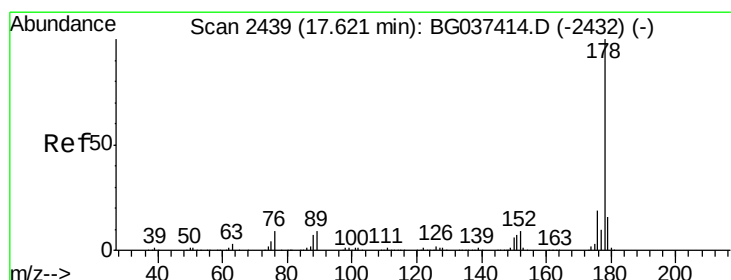
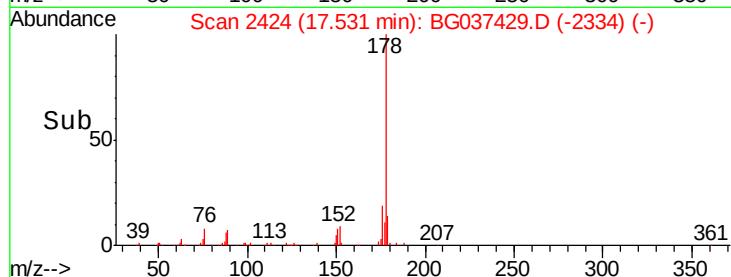
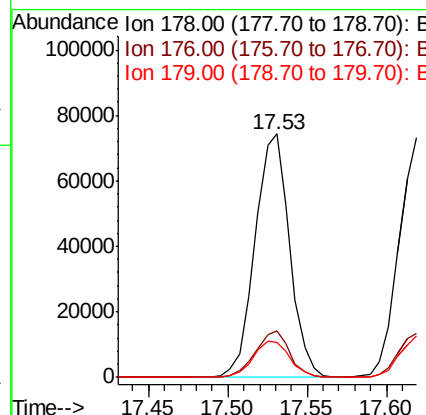
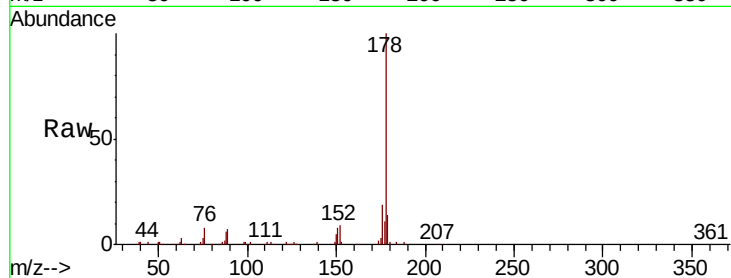




#71
Phenanthrene
Concen: 5.697 ng
RT: 17.53 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

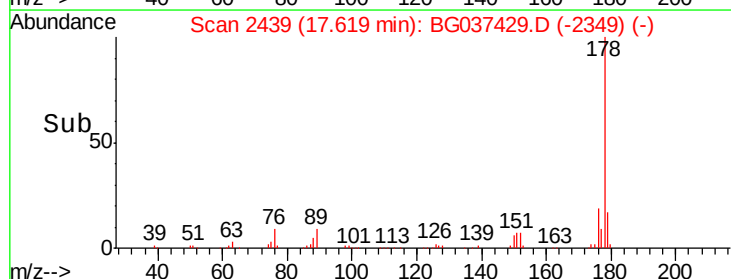
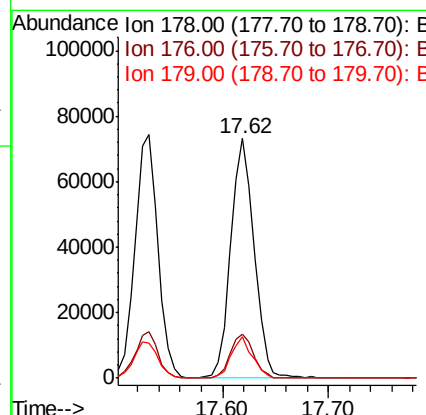
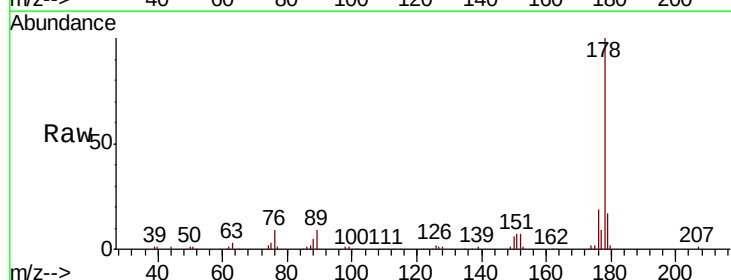
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

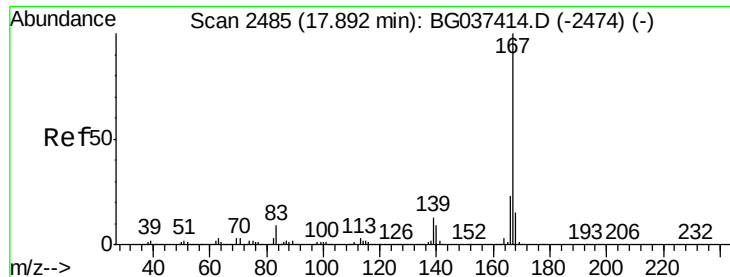
Tot Ion:178 Resp: 112805
Ion Ratio Lower Upper
178 100
176 19.1 16.1 24.1
179 14.3 13.0 19.4



#72
Anthracene
Concen: 5.750 ng
RT: 17.62 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion:178 Resp: 111730
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 17.1 12.8 19.2





#73

Carbazole

Concen: 4.956 ng

RT: 17.89 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

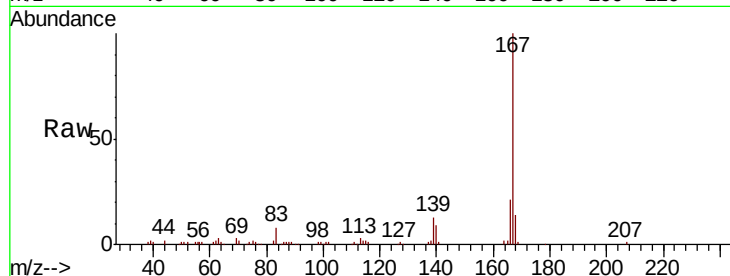
Tot Ion:167 Resp: 96323

Ion Ratio Lower Upper

167 100

166 21.0 18.3 27.5

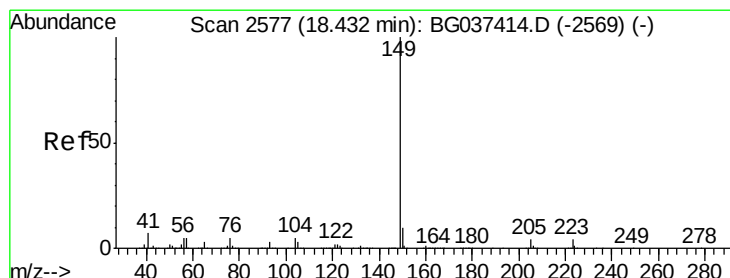
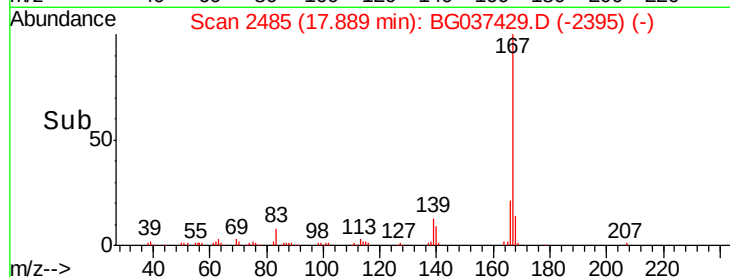
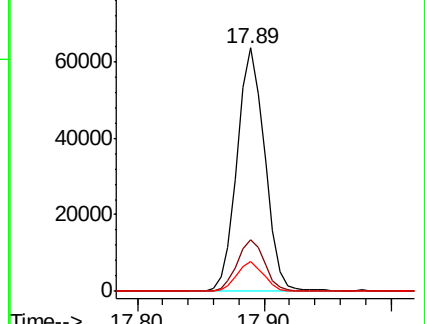
139 12.5 10.5 15.7



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 4.915 ng

RT: 18.43 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

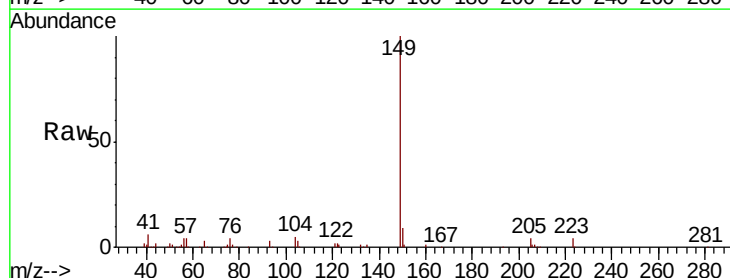
Tgt Ion:149 Resp: 106263

Ion Ratio Lower Upper

149 100

150 9.3 8.2 12.2

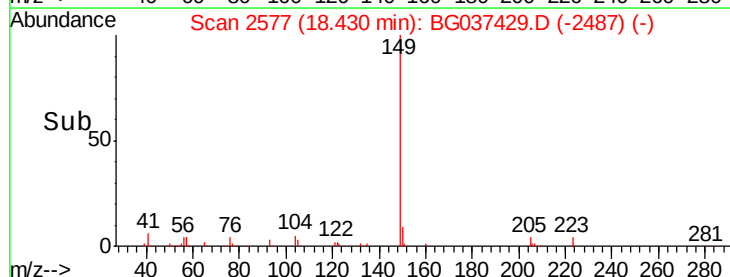
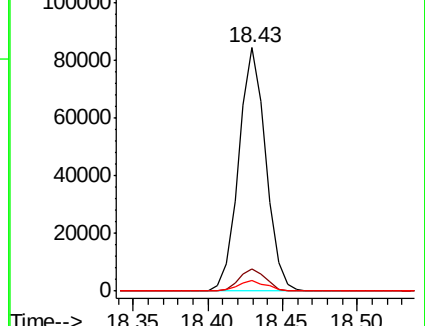
104 4.6 4.0 6.0

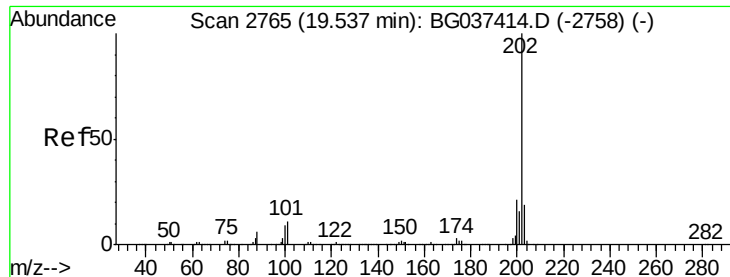


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 5.587 ng

RT: 19.53 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

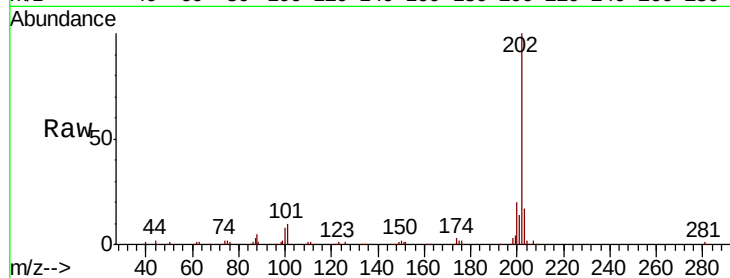
Tot Ion:202 Resp: 125457

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.7

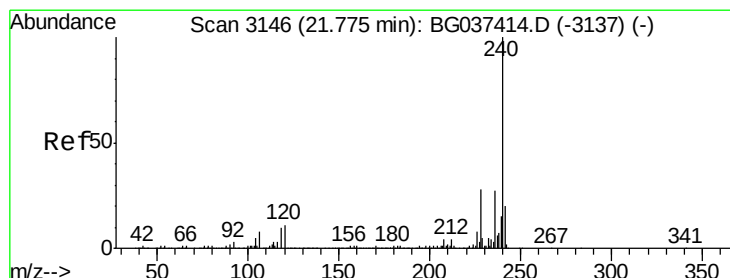
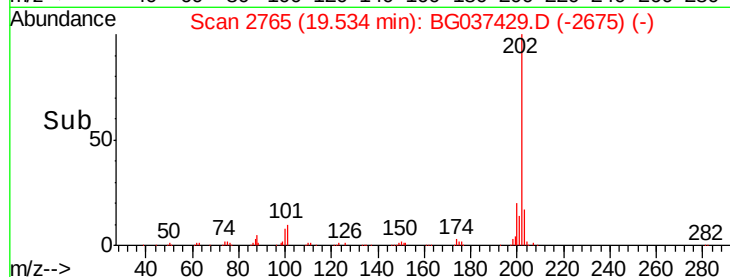
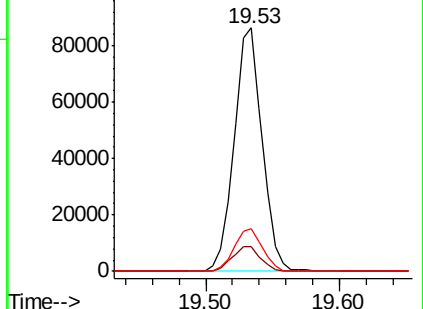
203 17.5 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

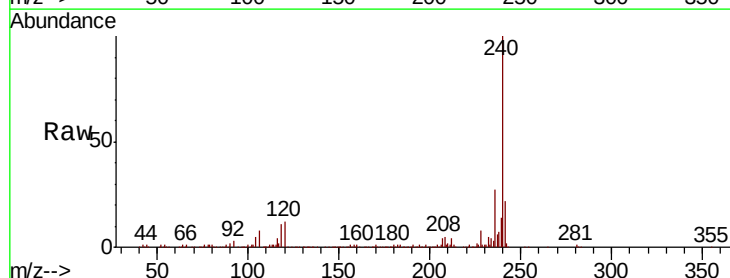
Tgt Ion:240 Resp: 358350

Ion Ratio Lower Upper

240 100

120 12.0 8.1 12.1

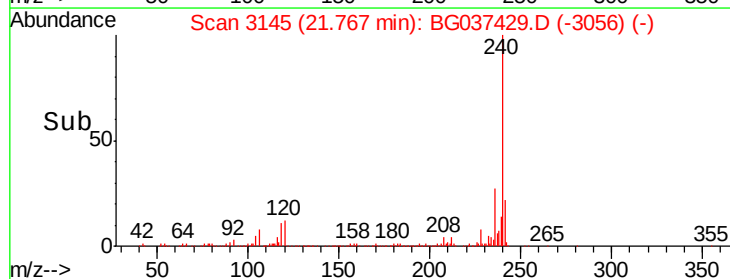
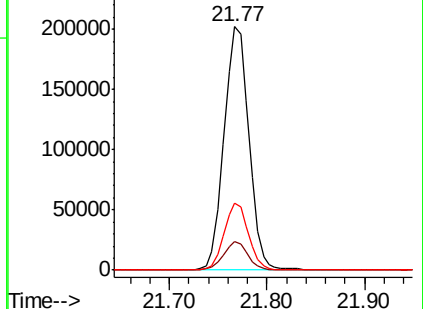
236 27.3 21.4 32.0

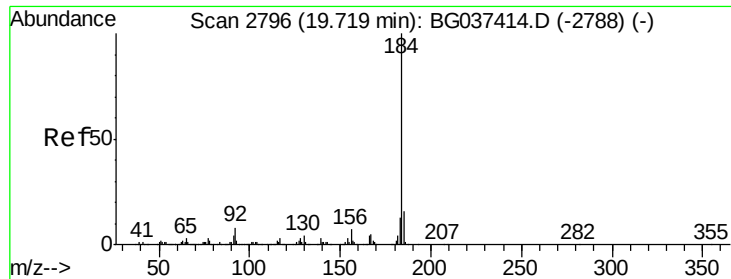


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.044 ng

RT: 19.72 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

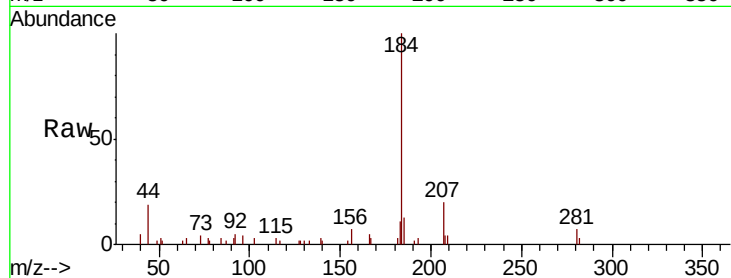
Tot Ion:184 Resp: 12723

Ion Ratio Lower Upper

184 100

185 13.3 12.6 18.8

183 11.3 10.2 15.2

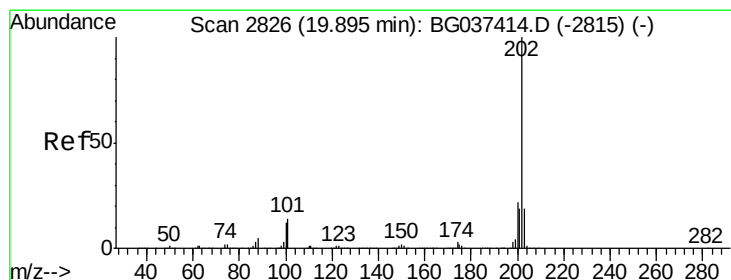
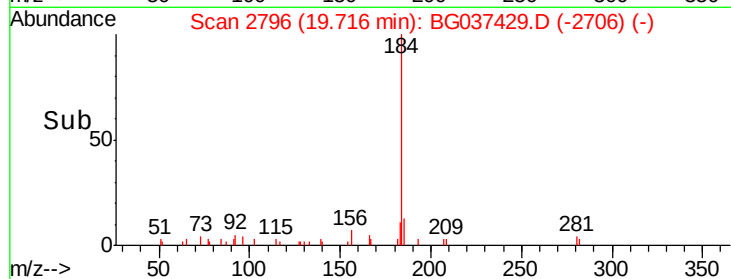
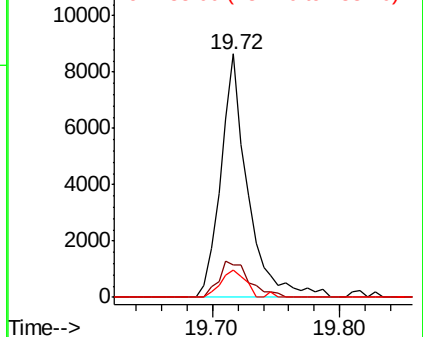


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 5.431 ng

RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

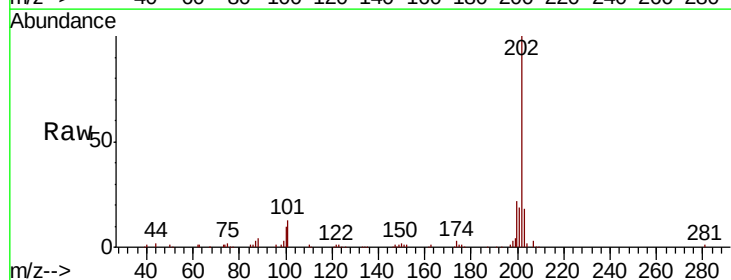
Tgt Ion:202 Resp: 127232

Ion Ratio Lower Upper

202 100

200 21.6 17.8 26.6

203 18.2 15.2 22.8

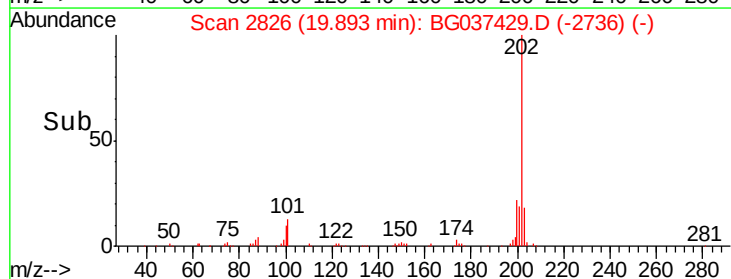
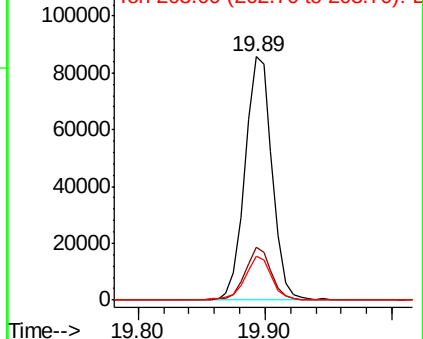


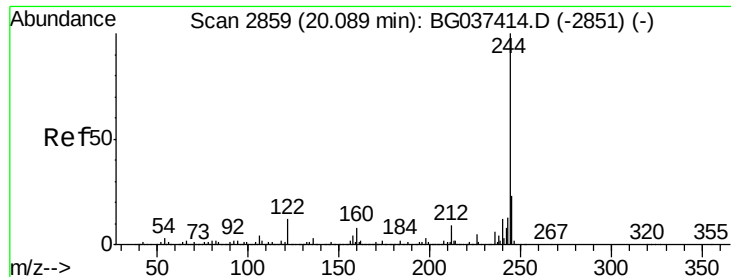
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 77.910 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

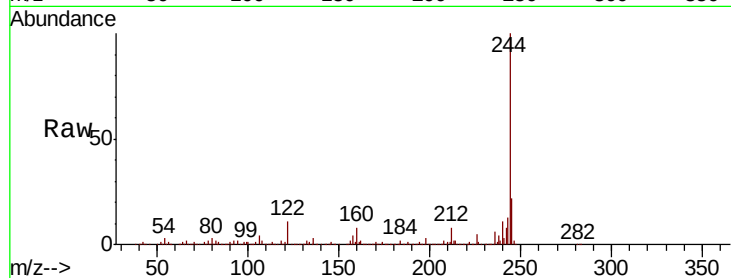
BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion:244 Resp: 1306607

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	11.3	9.0	13.4

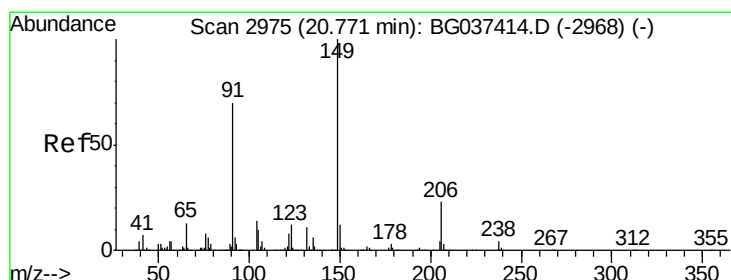
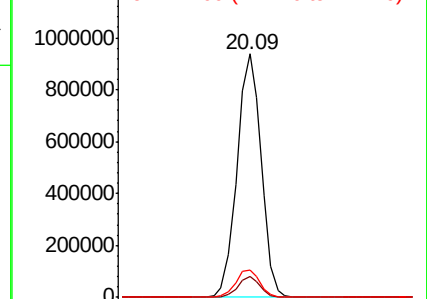
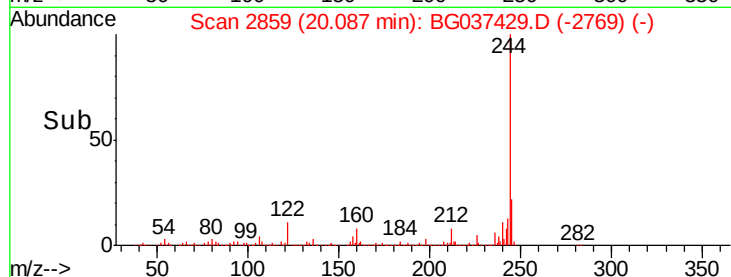


Abundance

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: 4.449 ng

RT: 20.77 min Scan# 2975

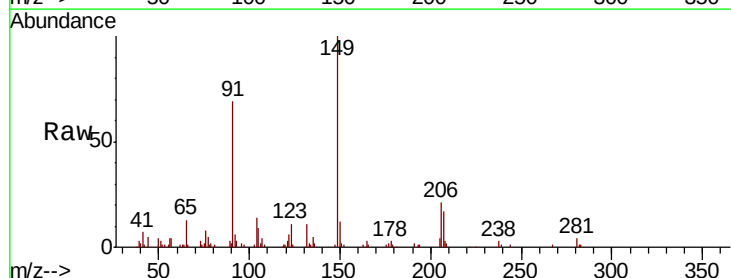
Delta R.T. -0.00 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Tgt Ion:149 Resp: 42657

Ion	Ratio	Lower	Upper
149	100		
91	68.8	57.0	85.4
206	20.6	17.8	26.6

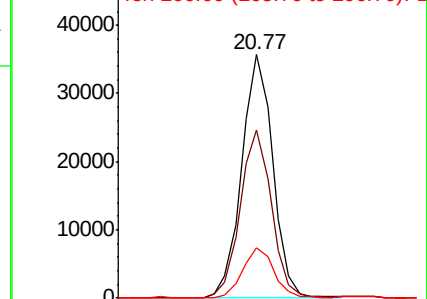
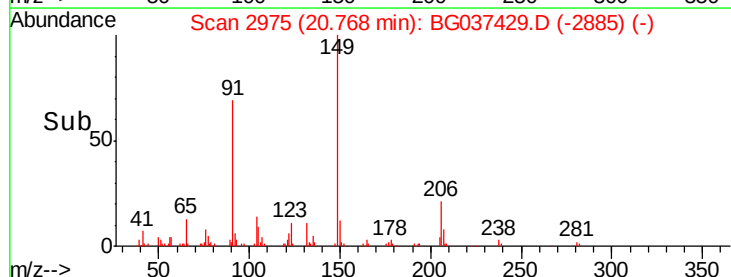


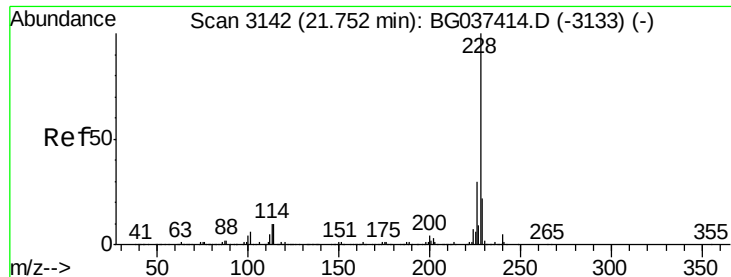
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

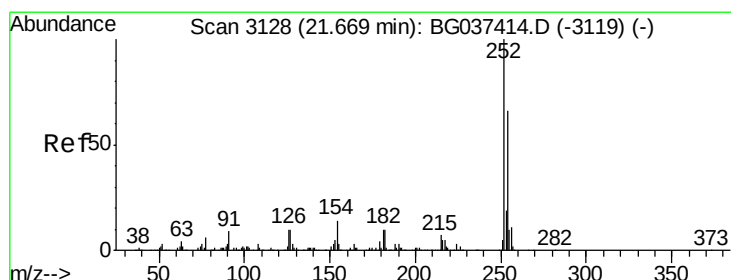
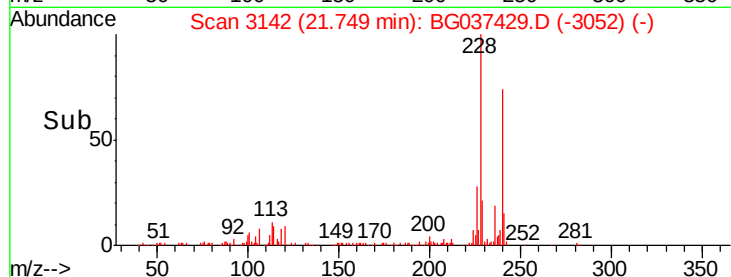
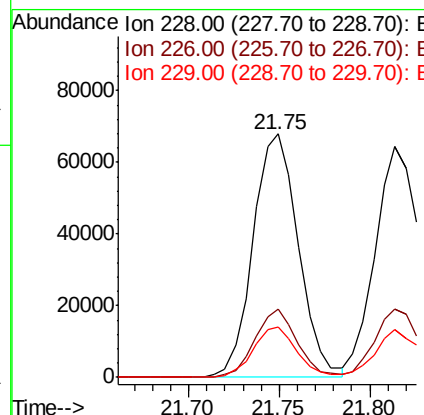
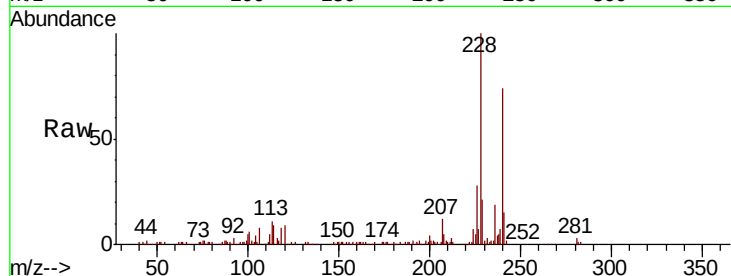




#81
Benzo(a)anthracene
Concen: 5.594 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

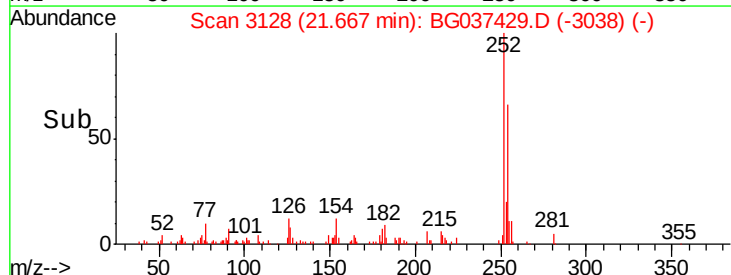
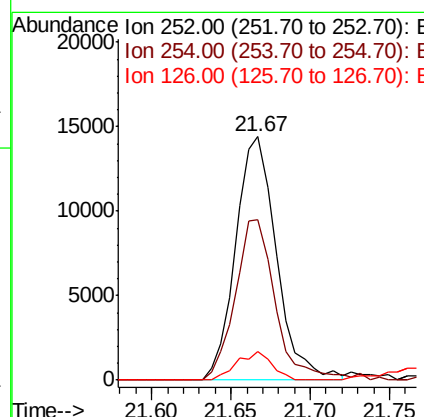
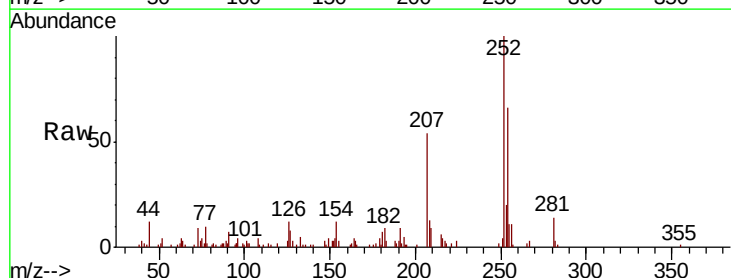
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

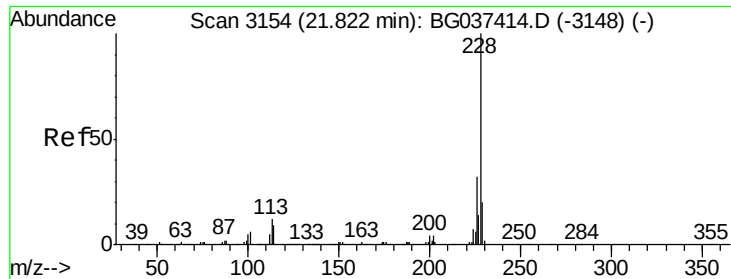
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.7	16.3	24.5



#82
3,3'-Dichlorobenzidine
Concen: 3.132 ng
RT: 21.67 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.0	52.0	78.0
126	11.7	8.2	12.4

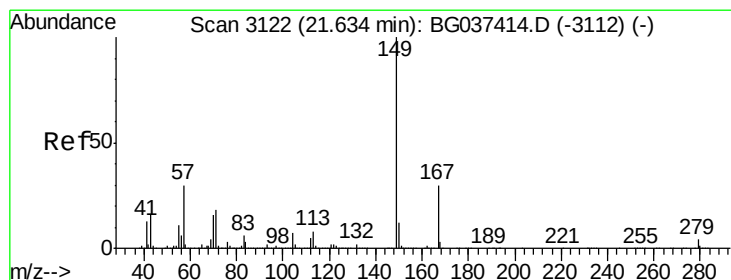
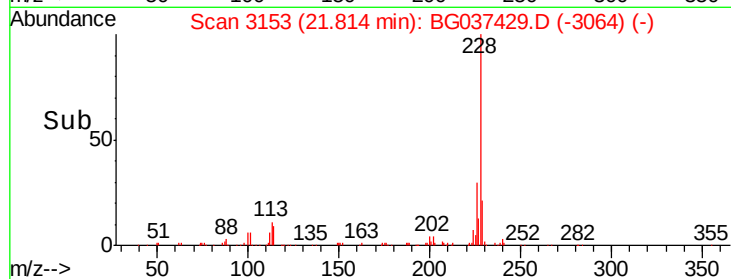
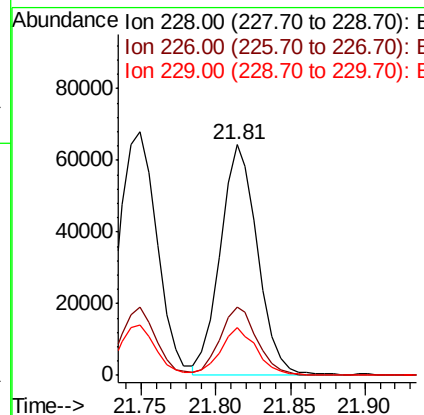
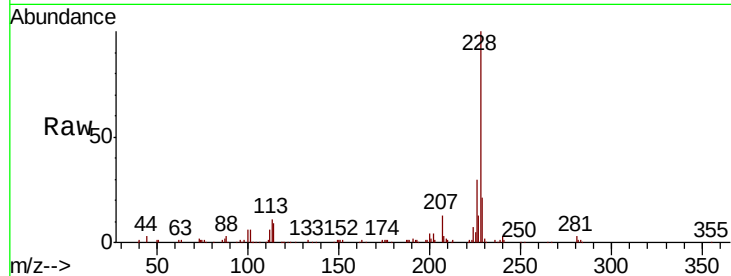




#83
 Chrysene
 Concen: 5.459 ng
 RT: 21.81 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

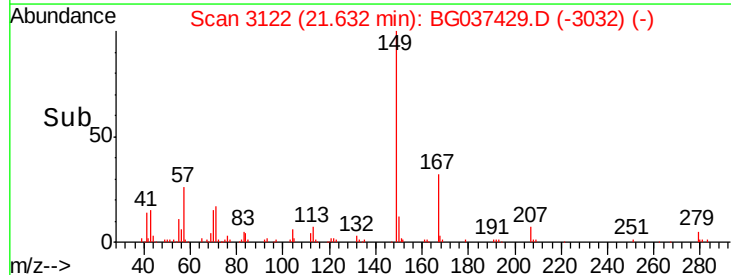
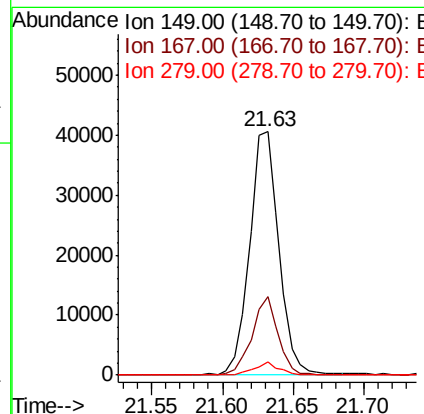
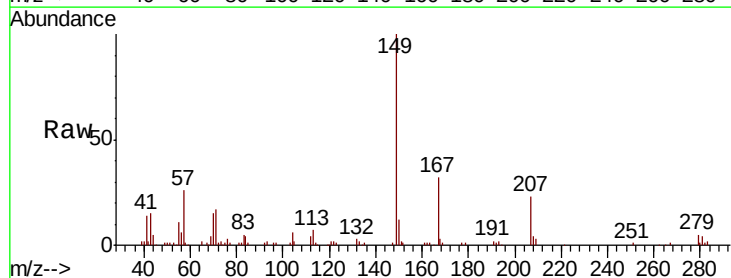
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

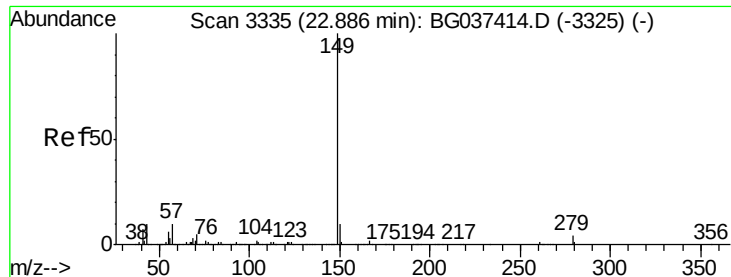
Tot Ion:228 Resp: 111258
 Ion Ratio Lower Upper
 228 100
 226 29.8 25.7 38.5
 229 20.7 16.5 24.7



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.402 ng
 RT: 21.63 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: BG037429.D
 Acq: 18 Oct 2018 21:13

Tgt Ion:149 Resp: 59159
 Ion Ratio Lower Upper
 149 100
 167 32.1 23.0 34.4
 279 5.3 3.6 5.4

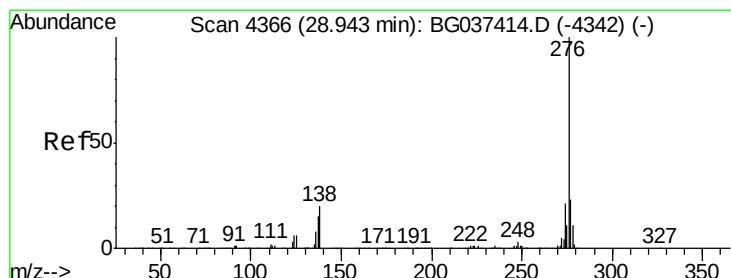
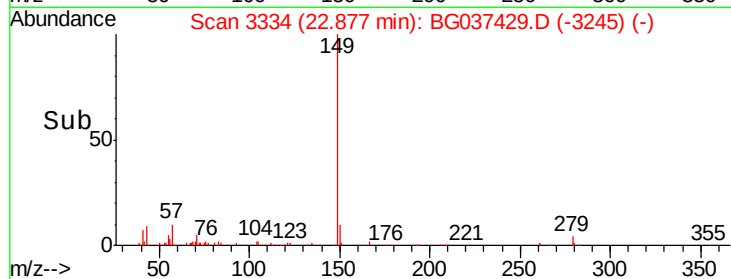
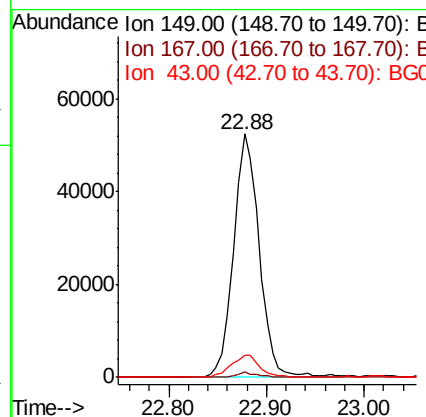
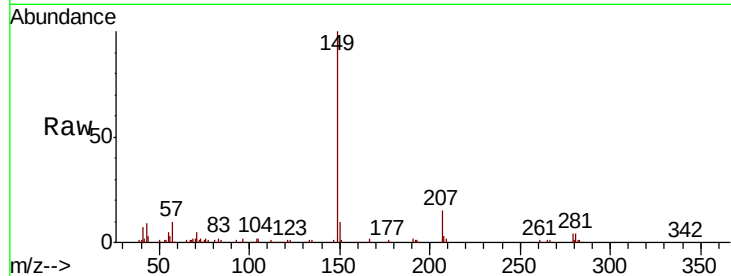




#85
Di-n-octyl phthalate
Concen: 4.379 ng
RT: 22.88 min Scan# 3334
Delta R.T. -0.01 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

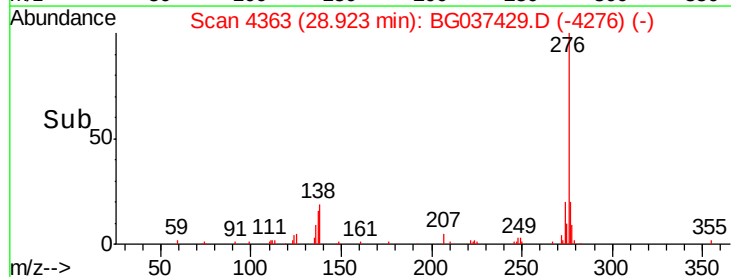
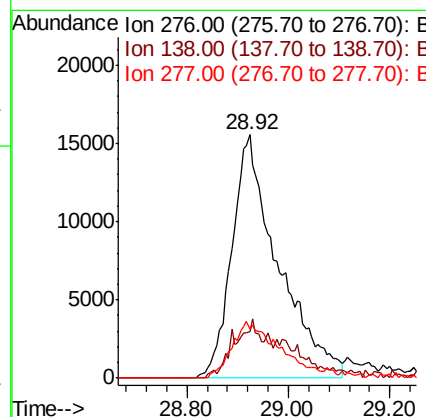
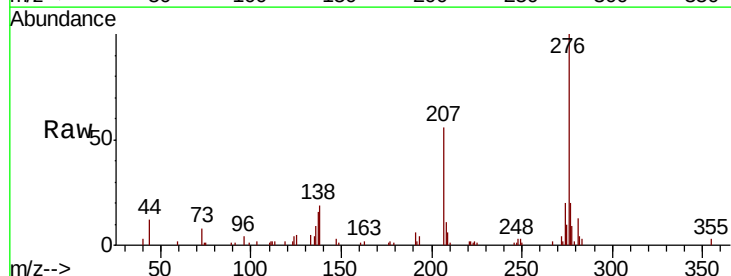
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

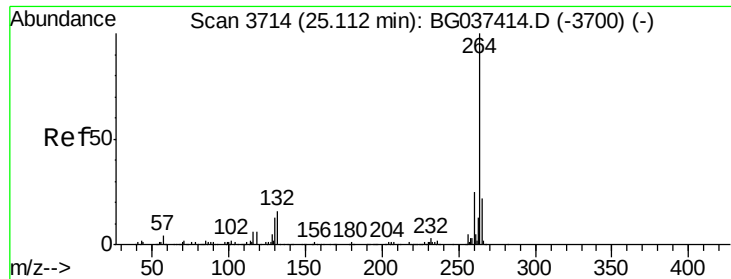
Tot Ion:149 Resp: 95970
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 10.2 8.7 13.1



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.496 ng
RT: 28.92 min Scan# 4363
Delta R.T. -0.02 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion:276 Resp: 98283
Ion Ratio Lower Upper
276 100
138 3.2 12.0 18.0#
277 23.7 20.6 30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

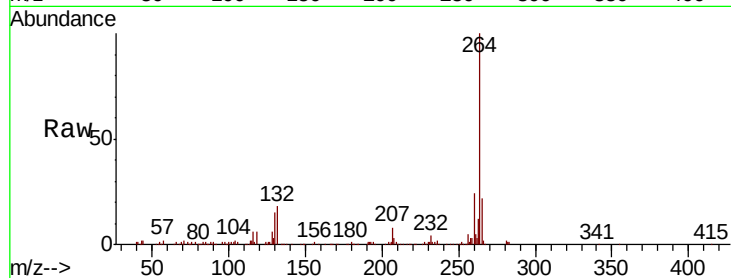
Tot Ion:264 Resp: 360363

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.4

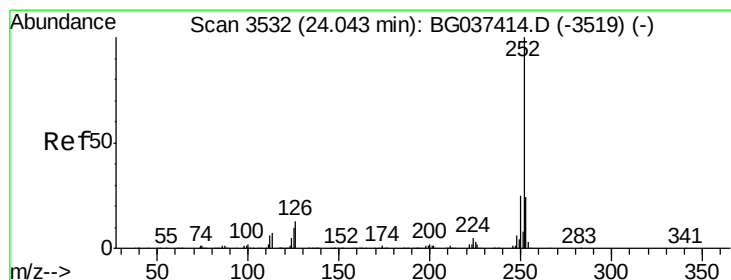
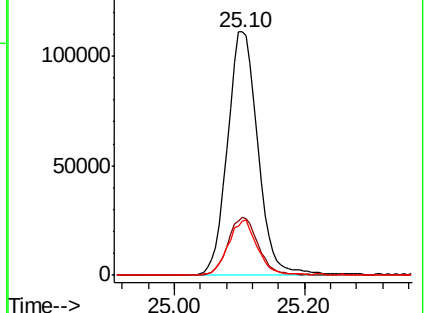
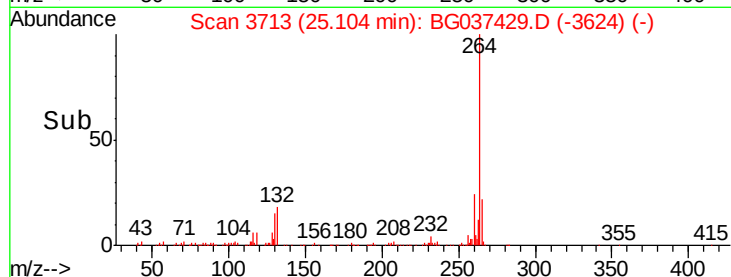
265 22.5 17.9 26.9



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: 5.340 ng

RT: 24.03 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BG037429.D

Acq: 18 Oct 2018 21:13

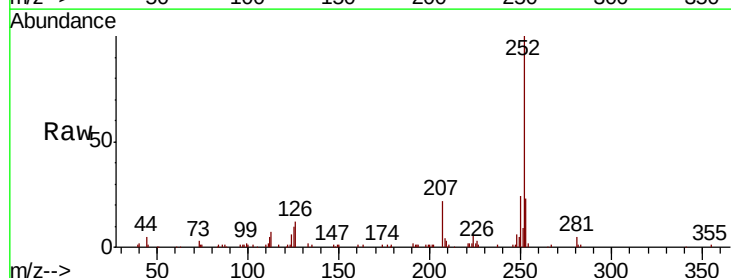
Tgt Ion:252 Resp: 105499

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

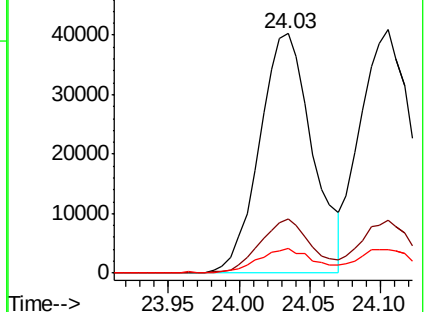
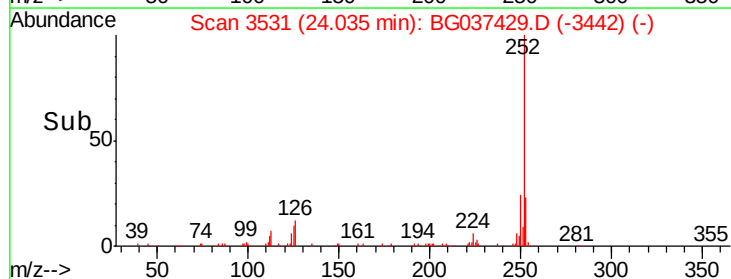
125 10.4 7.8 11.6

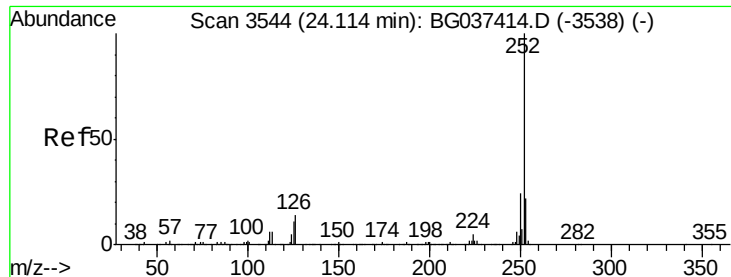


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

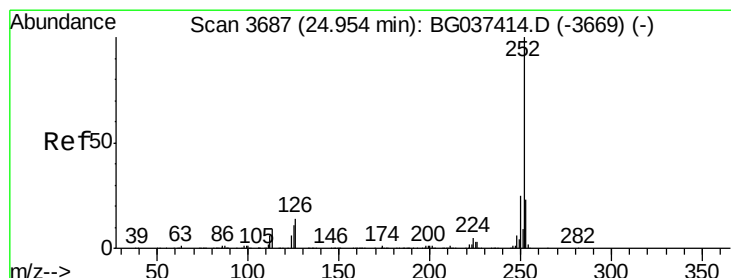
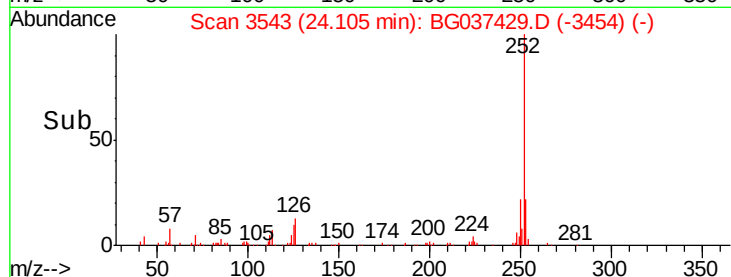
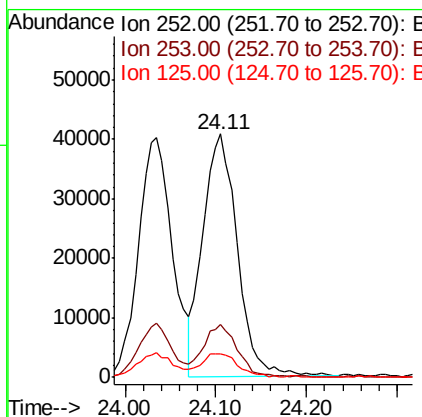
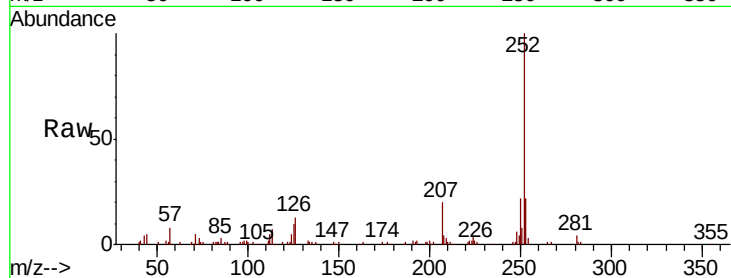




#89
Benzo(k)fluoranthene
Concen: 5.578 ng
RT: 24.11 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

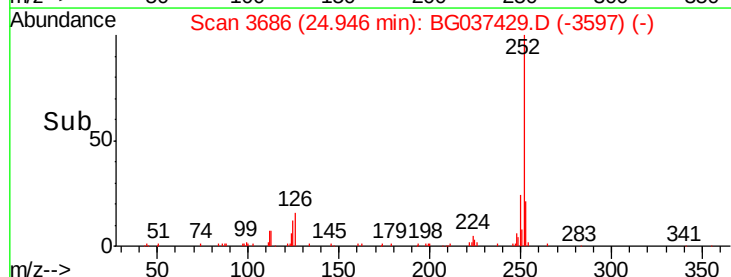
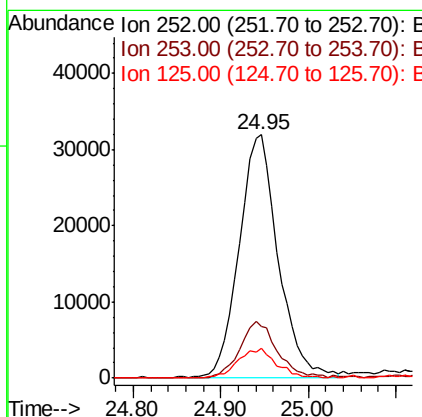
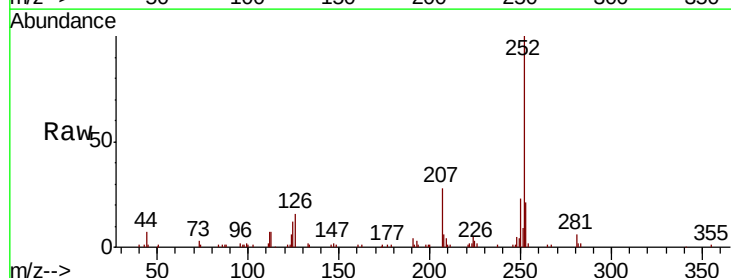
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

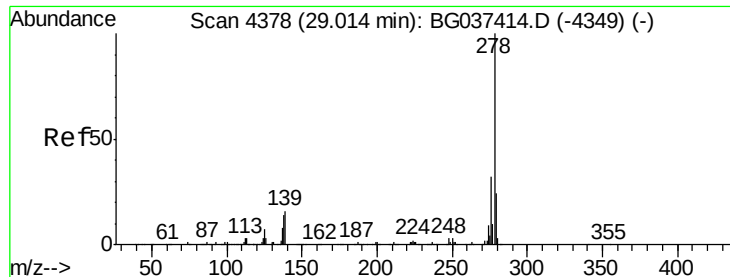
Tot Ion:252 Resp: 107977
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 9.9 7.4 11.0



#90
Benzo(a)pyrene
Concen: 5.175 ng
RT: 24.95 min Scan# 3686
Delta R.T. -0.01 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion:252 Resp: 97146
Ion Ratio Lower Upper
252 100
253 21.3 17.4 26.2
125 12.3 9.0 13.6

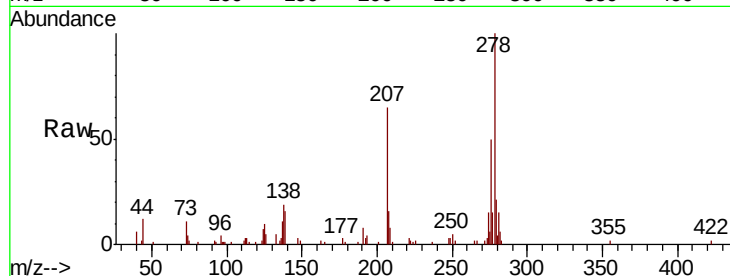




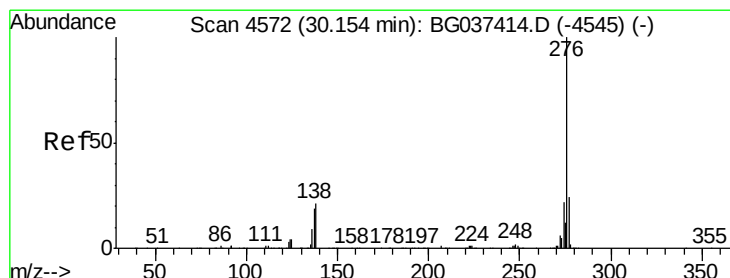
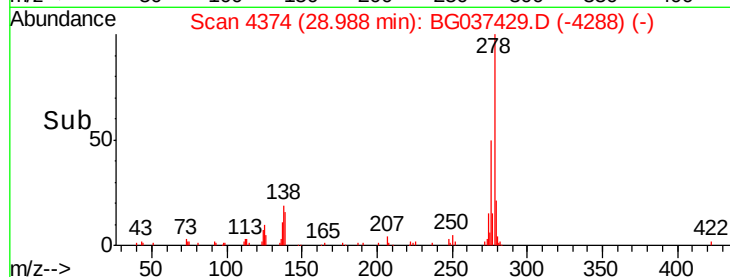
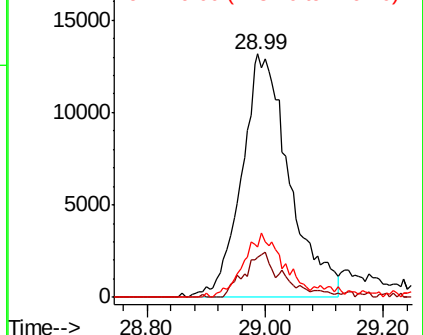
#91
Dibenzo(a,h)anthracene
Concen: 4.266 ng
RT: 28.99 min Scan# 4374
Delta R.T. -0.03 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:278 Resp: 73876
Ion Ratio Lower Upper
278 100
139 16.3 11.5 17.3
279 20.5 18.6 27.8

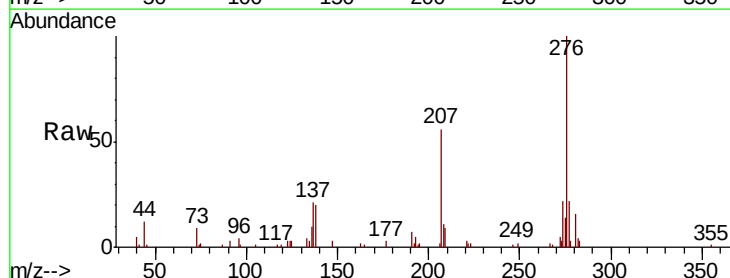


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.676 ng
RT: 30.12 min Scan# 4566
Delta R.T. -0.04 min
Lab File: BG037429.D
Acq: 18 Oct 2018 21:13

Tgt Ion:276 Resp: 81919
Ion Ratio Lower Upper
276 100
277 22.0 18.9 28.3
138 20.3 17.2 25.8



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

