

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037428.D
 Acq On : 18 Oct 2018 20:34
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 2 PPM
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 10/19/2018 3:57:50 PM

Quant Time: Oct 19 08:15:46 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	50942	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	231202	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	158012	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	386058	20.00	ng	0.00
76) Chrysene-d12	21.77	240	367754	20.00	ng	0.00
87) Perylene-d12	25.10	264	357967	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	411188	134.95	ng	0.00
7) Phenol-d6	7.25	99	595397	129.22	ng	0.00
23) Nitrobenzene-d5	9.29	82	338920	82.12	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	233809	135.67	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	852122	81.32	ng	0.00
79) Terphenyl-d14	20.09	244	1322360	76.83	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.94	88	611	0.395	ng	98
3) Pyridine	3.96	79	7129	1.830	ng	# 90
4) n-Nitrosodimethylamine	3.87	42	3193	2.302	ng	# 90
6) Aniline	7.44	93	6803	1.210	ng	# 89
8) 2-Chlorophenol	7.66	128	6888	1.932	ng	91
9) Benzaldehyde	7.25	77	5916	2.053	ng	# 75
10) Phenol	7.27	94	10163	2.091	ng	# 78
11) bis(2-Chloroethyl)ether	7.53	93	6871	1.861	ng	88
12) 1,3-Dichlorobenzene	7.99	146	8040	2.026	ng	96
13) 1,4-Dichlorobenzene	8.15	146	7739m	1.907	ng	
14) 1,2-Dichlorobenzene	8.46	146	7864	2.014	ng	92
15) Benzyl Alcohol	8.35	79	6072	1.784	ng	# 83
16) 2,2'-oxybis(1-Chloropropan	8.63	45	13206	1.999	ng	97
17) 2-Methylphenol	8.53	107	5648	1.757	ng	95
18) Hexachloroethane	9.20	117	2791	2.017	ng	# 79
19) n-Nitroso-di-n-propylamine	8.91	70	6015	1.896	ng	# 75
20) 3+4-Methylphenols	8.86	107	8237	1.793	ng	88
22) Acetophenone	8.94	105	11841	2.042	ng	# 91
24) Nitrobenzene	9.33	77	8676	2.024	ng	97
25) Isophorone	9.84	82	15698	2.082	ng	# 96
26) 2-Nitrophenol	10.04	139	3112	1.611	ng	# 82
27) 2,4-Dimethylphenol	10.08	122	7090	2.056	ng	93
28) bis(2-Chloroethoxy)methane	10.33	93	9594	1.942	ng	98
29) 2,4-Dichlorophenol	10.56	162	7074	1.842	ng	81
30) 1,2,4-Trichlorobenzene	10.79	180	8276	1.982	ng	88
31) Naphthalene	10.98	128	25327	2.230	ng	97
33) 4-Chloroaniline	11.10	127	5939	1.113	ng	# 91
34) Hexachlorobutadiene	11.24	225	4756	1.922	ng	93
35) Caprolactam	11.85	113	1895	1.231	ng	# 78
36) 4-Chloro-3-methylphenol	12.19	107	7521	1.737	ng	94
37) 2-Methylnaphthalene	12.58	142	18712	2.260	ng	91
38) 1-Methylnaphthalene	12.79	142	18637	2.318	ng	96
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	10176	1.997	ng	95
41) Hexachlorocyclopentadiene	12.91	237	4120	1.692	ng	94

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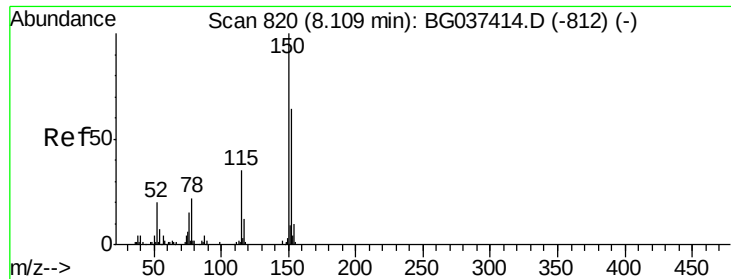
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	13.17	196	5199	1.527	ng	95
44) 2,4,5-Trichlorophenol	13.24	196	6261	1.689	ng	91
46) 1,1'-Biphenyl	13.58	154	26870	2.053	ng	95
47) 2-Chloronaphthalene	13.62	162	20378	2.058	ng	95
48) 2-Nitroaniline	13.83	65	4676	1.557	ng	# 80
49) Acenaphthylene	14.47	152	32022	2.150	ng	95
50) Dimethylphthalate	14.19	163	25148	2.057	ng	97
51) 2,6-Dinitrotoluene	14.31	165	4367	1.615	ng	92
52) Acenaphthene	14.80	154	19589	2.136	ng	99
53) 3-Nitroaniline	14.64	138	4133	1.377	ng	# 74
55) Dibenzofuran	15.14	168	32366	2.130	ng	94
56) 4-Nitrophenol	14.94	139	1709	0.769	ng	96
57) 2,4-Dinitrotoluene	15.10	165	5509	1.552	ng	# 87
58) Fluorene	15.78	166	26022	2.287	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.36	232	5127	1.615	ng	# 90
60) Diethylphthalate	15.54	149	24589	1.959	ng	96
61) 4-Chlorophenyl-phenylether	15.77	204	12958	1.954	ng	91
62) 4-Nitroaniline	15.80	138	4568	1.531	ng	88
63) Azobenzene	16.07	77	23515	1.964	ng	94
66) n-Nitrosodiphenylamine	15.99	169	21658	1.865	ng	97
67) 4-Bromophenyl-phenylether	16.67	248	7669	1.809	ng	97
68) Hexachlorobenzene	16.78	284	9167	2.086	ng	93
69) Atrazine	16.92	200	7121	1.696	ng	98
70) Pentachlorophenol	17.12	266	1392	0.473	ng	96
71) Phenanthrene	17.53	178	43788	2.232	ng	97
72) Anthracene	17.62	178	42333	2.199	ng	99
73) Carbazole	17.89	167	35706	1.854	ng	100
74) Di-n-butylphthalate	18.43	149	38911	1.816	ng	# 94
75) Fluoranthene	19.53	202	49119	2.207	ng	99
77) Benzidine	19.72	184	3948	0.316	ng	# 93
78) Pyrene	19.90	202	50922	2.118	ng	95
80) Butylbenzylphthalate	20.77	149	15413	1.567	ng	98
81) Benzo(a)anthracene	21.75	228	44944	2.066	ng	99
82) 3,3'-Dichlorobenzidine	21.67	252	9892	1.173	ng	94
83) Chrysene	21.81	228	46691	2.232	ng	96
84) Bis(2-ethylhexyl)phthalate	21.63	149	22183	1.608	ng	99
85) Di-n-octyl phthalate	22.88	149	33416	1.486	ng	# 97
86) Indeno(1,2,3-cd)pyrene	28.92	276	35687m	1.591	ng	
88) Benzo(b)fluoranthene	24.03	252	40661	2.072	ng	93
89) Benzo(k)fluoranthene	24.10	252	39621	2.061	ng	# 97
90) Benzo(a)pyrene	24.93	252	36908	1.979	ng	# 97
91) Dibenzo(a,h)anthracene	29.00	278	26660	1.550	ng	# 91
92) Benzo(g,h,i)perylene	30.13	276	32605m	1.874	ng	

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



#1

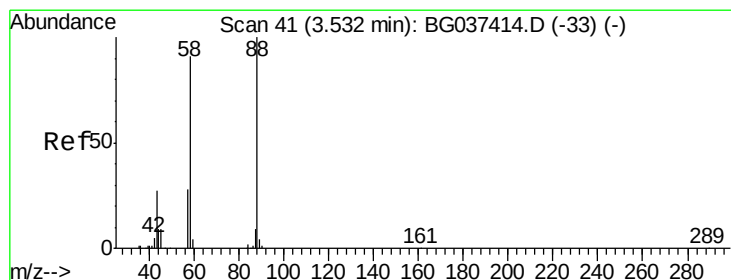
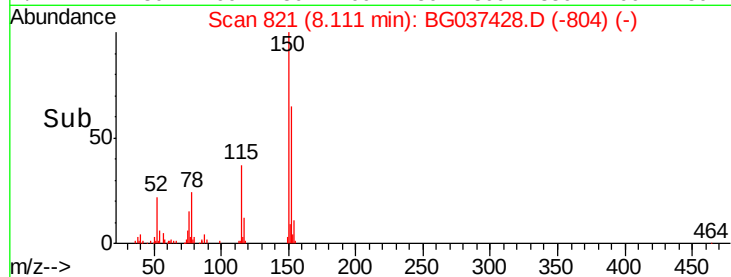
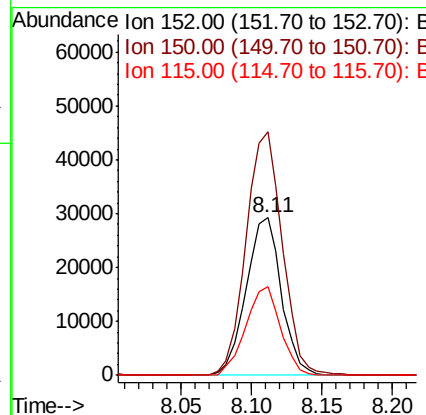
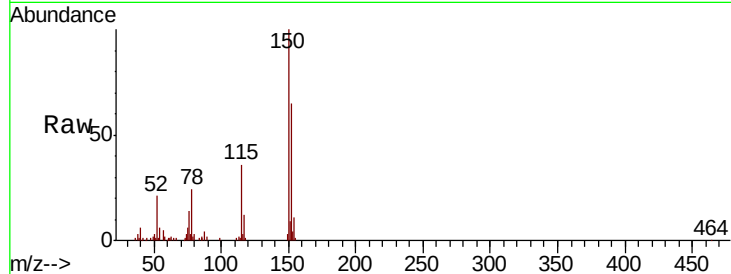
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.0	189.0
115	56.4	45.5	68.3

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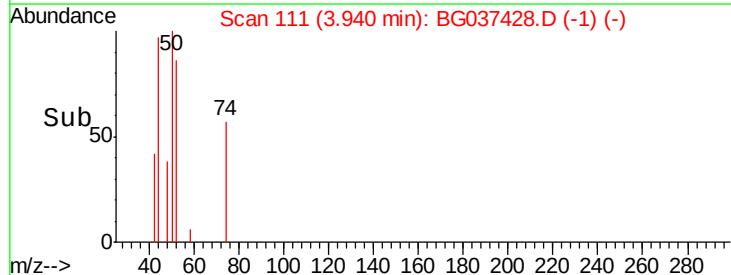
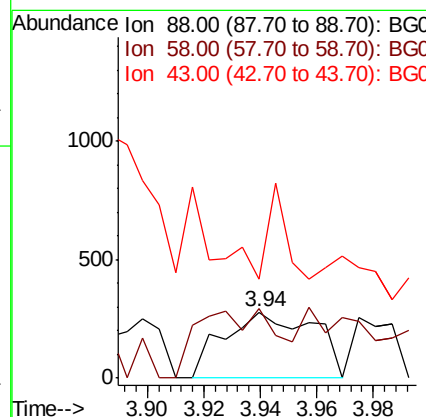
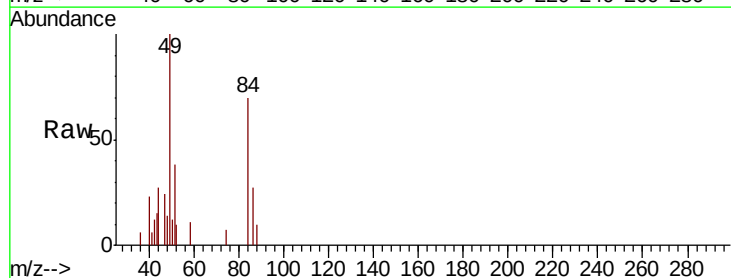
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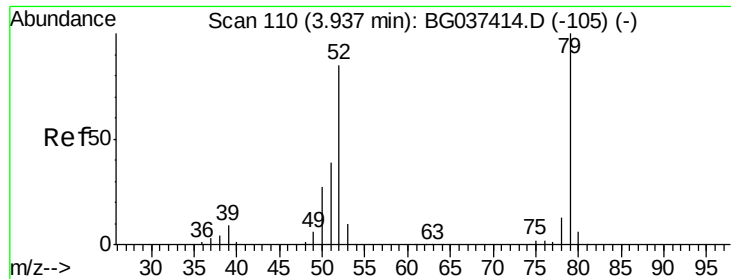


#2

1,4-Dioxane
Concen: 0.395 ng
RT: 3.94 min Scan# 111
Delta R.T. 0.41 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	91.7	74.4	111.6
43	35.2	25.8	38.8





#3

Pvridine

Concen: 1.830 ng

RT: 3.96 min Scan# 114

Delta R.T. 0.02 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

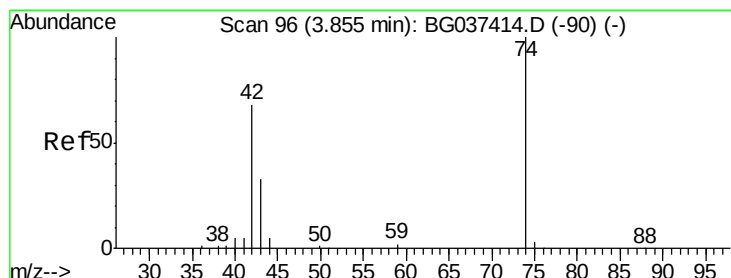
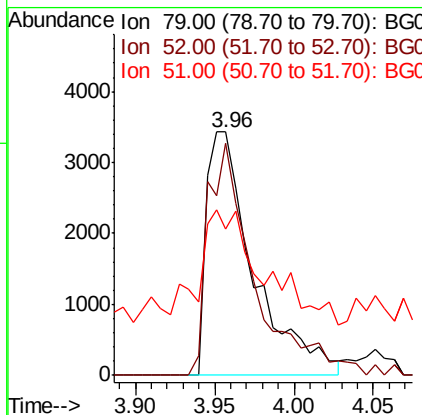
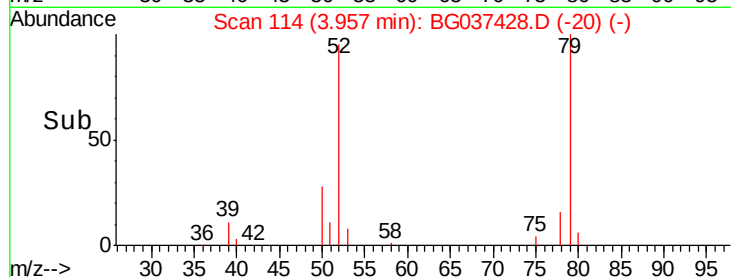
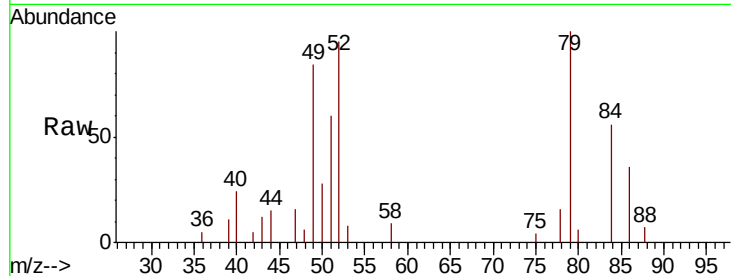
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion:	79	Resp:	7129
Ion	Ratio	Lower	Upper
79	100		
52	95.1	74.2	111.2
51	60.2	34.6	51.8#

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 2.302 ng

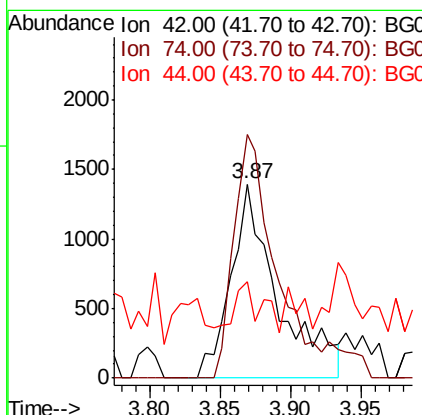
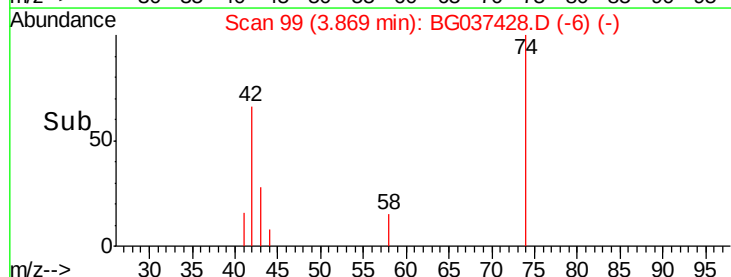
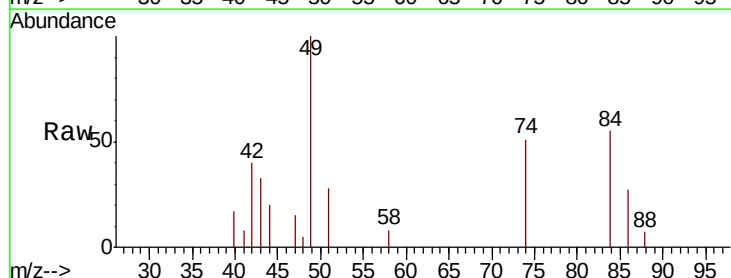
RT: 3.87 min Scan# 99

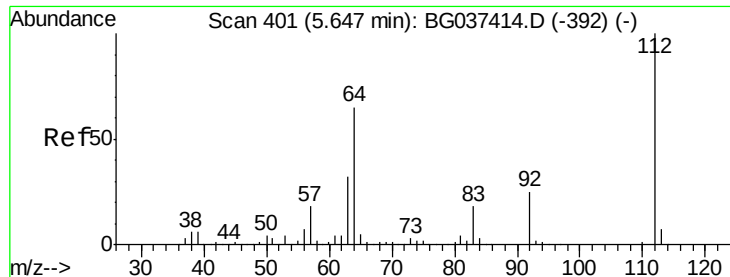
Delta R.T. 0.01 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Tgt Ion:	42	Resp:	3193
Ion	Ratio	Lower	Upper
42	100		
74	125.7	102.0	153.0
44	49.5	9.6	14.4#





#5

2-Fluorophenol

Concen: 134.947 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

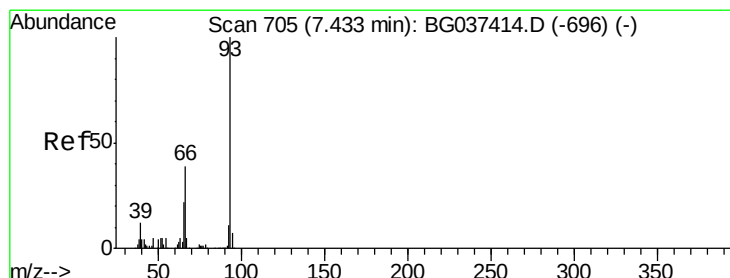
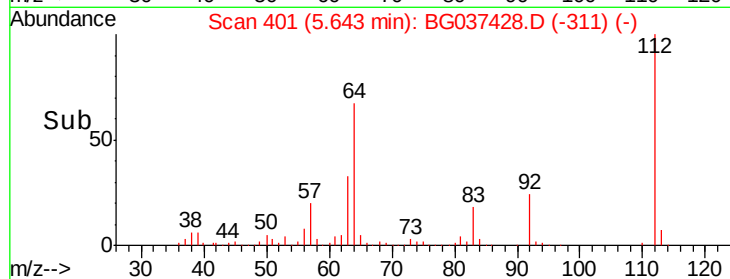
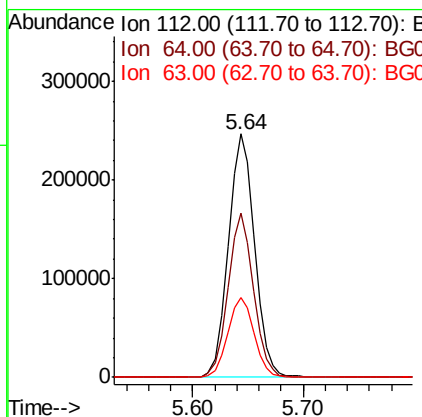
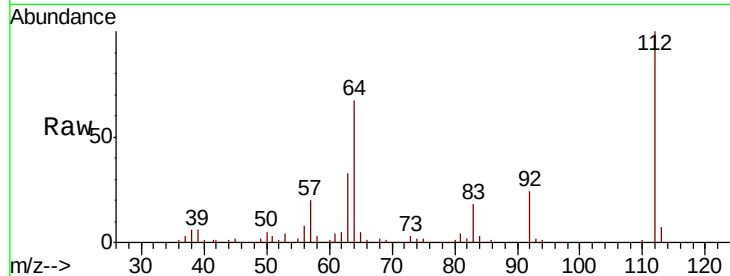
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion:	112	Resp:	411188
Ion Ratio	Lower	Upper	
112	100		
64	67.3	53.1	79.7
63	32.5	27.3	40.9

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#6

Aniline

Concen: 1.210 ng

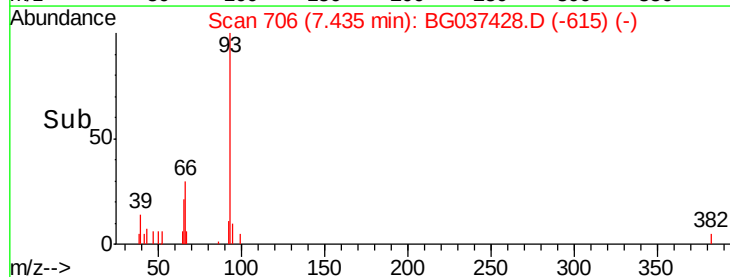
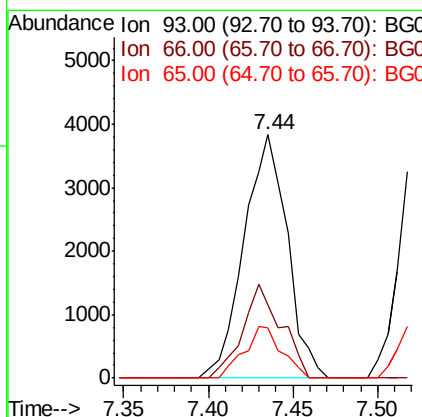
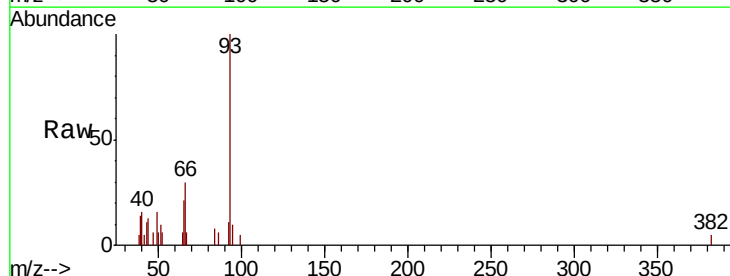
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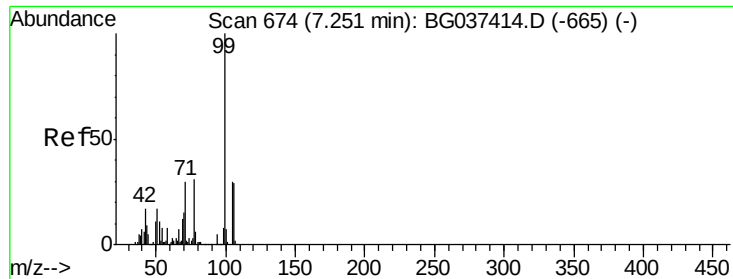
Delta R.T. 0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Tgt Ion:	93	Resp:	6803
Ion Ratio	Lower	Upper	
93	100		
66	30.3	32.8	49.2#
65	20.6	16.4	24.6





#7

Phenol-d6

Concen: 129.223 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

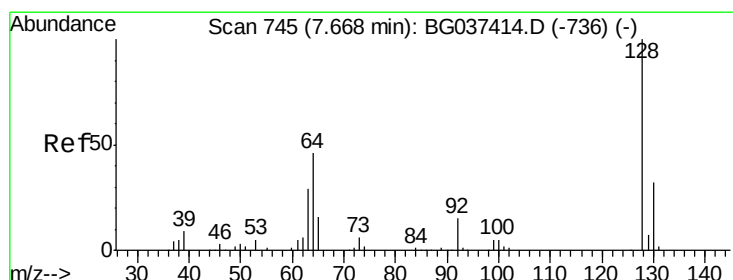
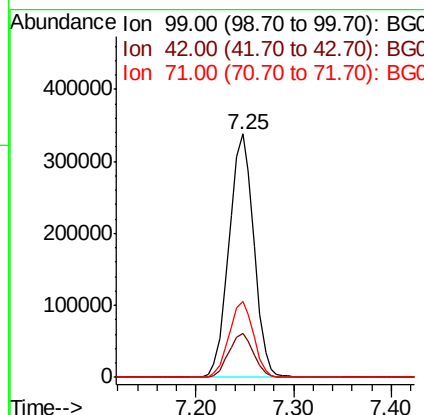
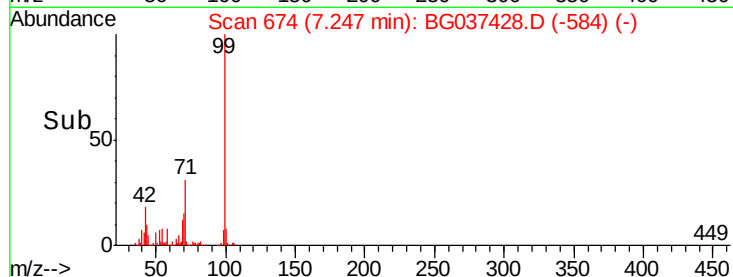
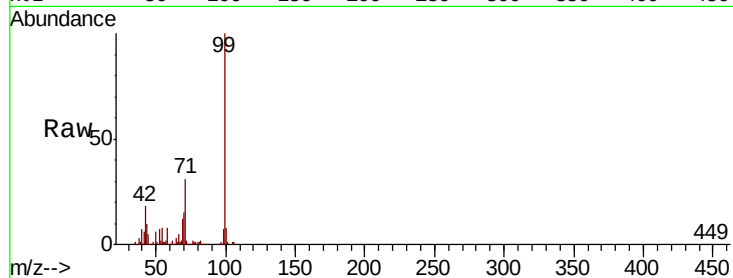
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion:	99	Resp:	595397
Ion Ratio	Lower	Upper	
99	100		
42	18.0	15.0	22.4
71	31.2	25.5	38.3

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#8

2-Chlorophenol

Concen: 1.932 ng

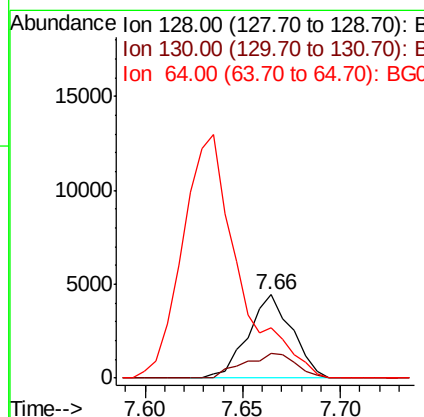
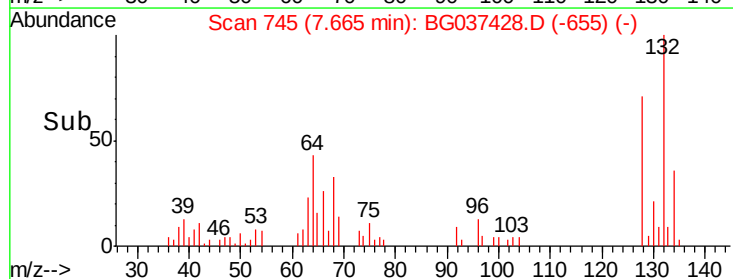
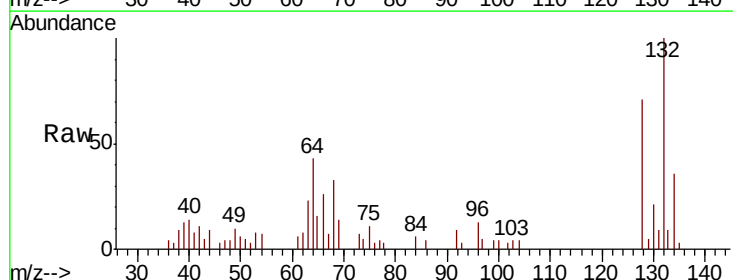
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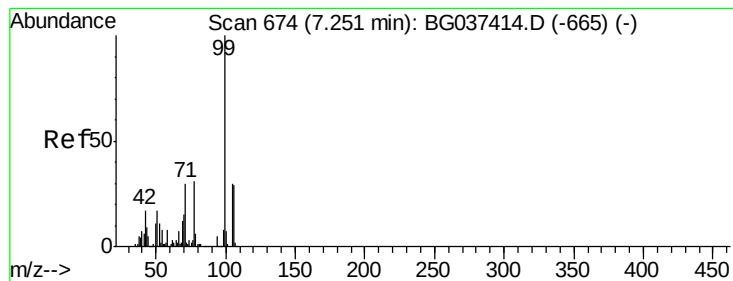
Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Tgt Ion:	128	Resp:	6888
Ion Ratio	Lower	Upper	
128	100		
130	29.8	12.0	52.0
64	61.2	32.9	72.9





#9

Benzaldehyde

Concen: 2.053 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

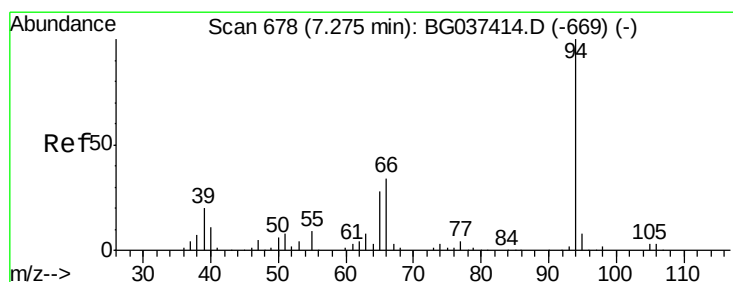
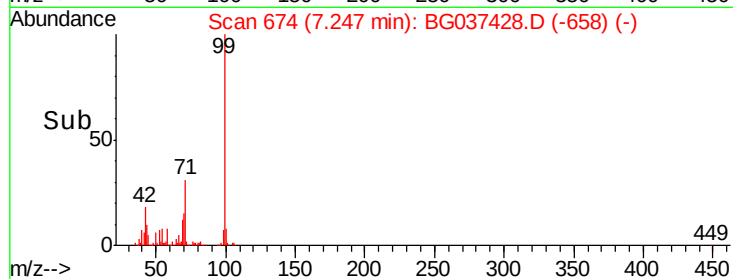
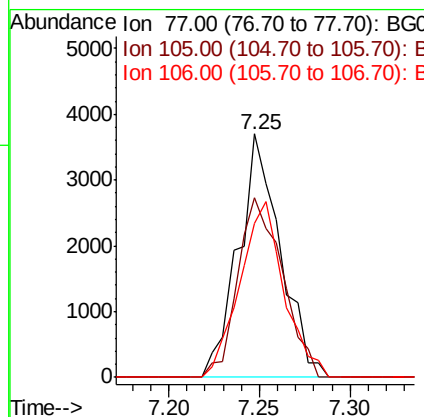
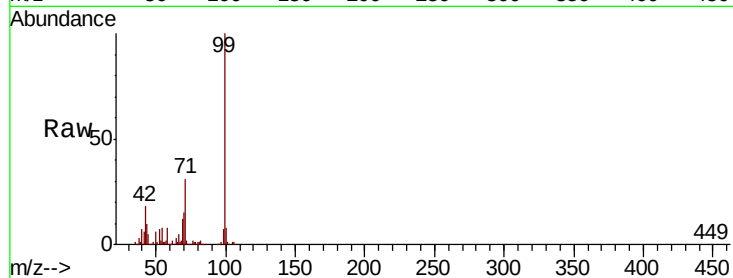
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
77	100		
105	73.8	72.6	112.6
106	63.2	71.3	111.3

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#10

Phenol

Concen: 2.091 ng

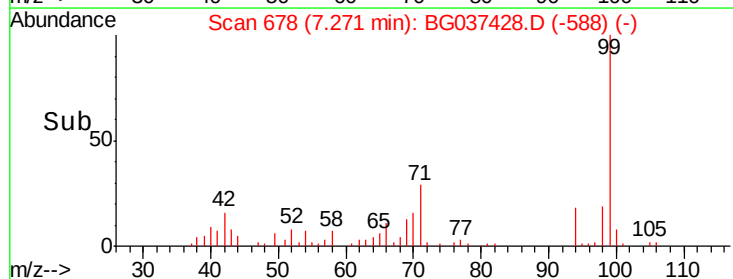
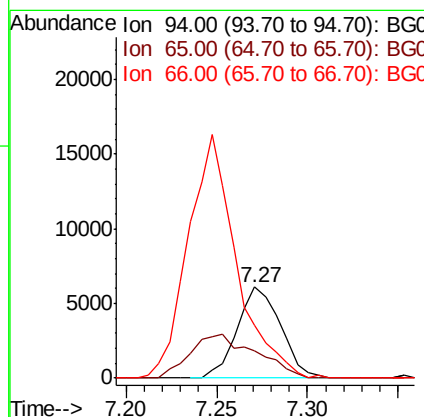
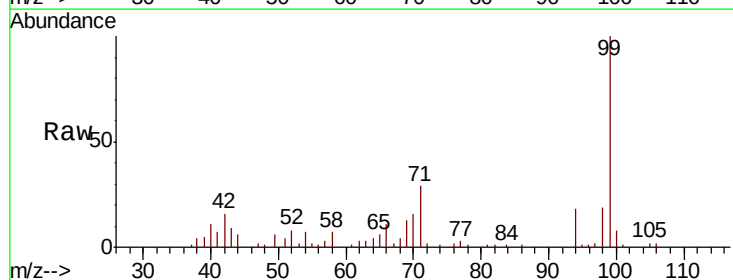
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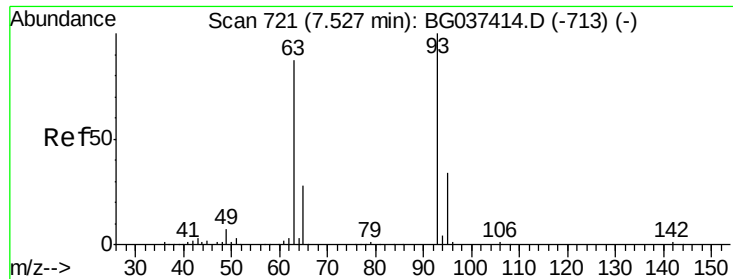
Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.5	9.7	49.7
66	58.5	15.9	55.9





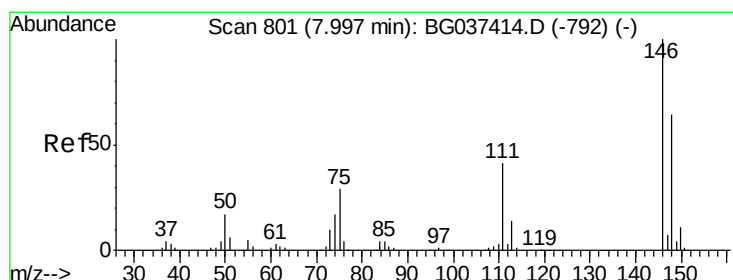
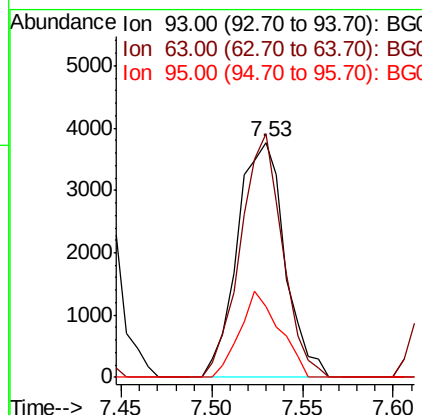
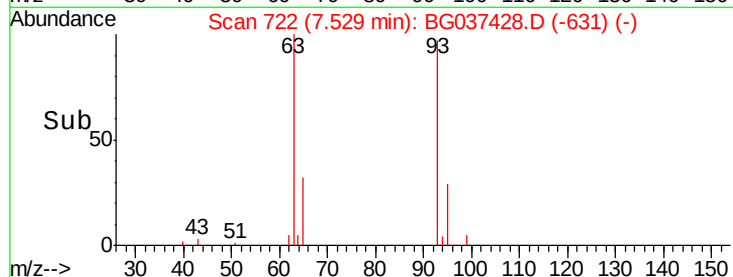
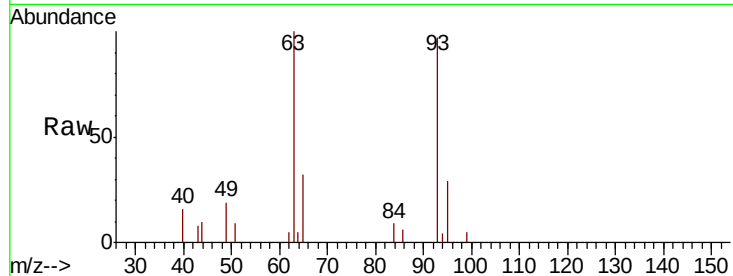
#11
bis(2-Chloroethyl)ether
Concen: 1.861 ng
RT: 7.53 min Scan# 722
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
93	100		
63	103.5	69.5	109.5
95	29.9	12.6	52.6

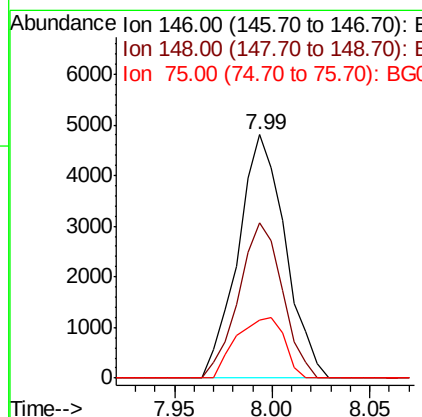
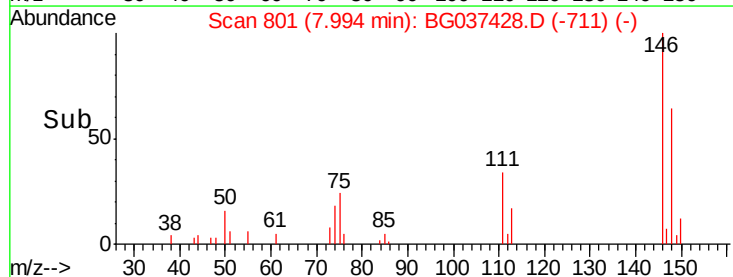
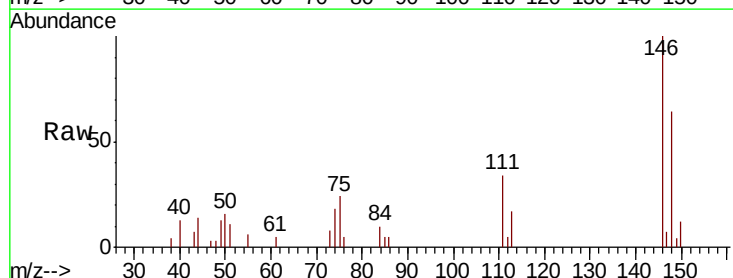
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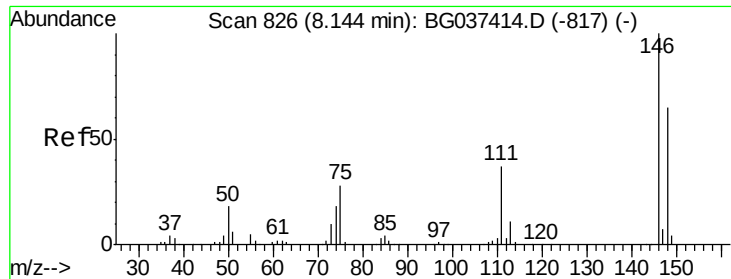
Sohil
10/19/2018 3:57:50 PM



#12
1,3-Dichlorobenzene
Concen: 2.026 ng
RT: 7.99 min Scan# 801
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	49.8	74.8
75	24.1	23.2	34.8





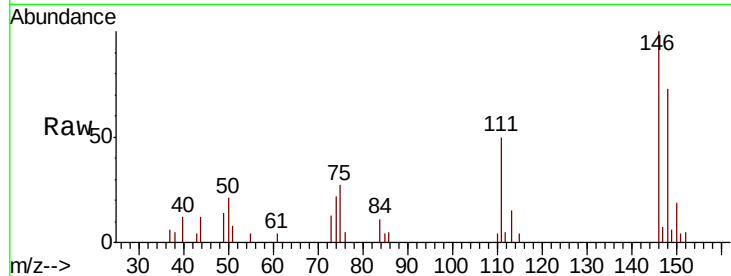
#13
 1,4-Dichlorobenzene
 Concen: 1.907 ng m
 RT: 8.15 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	72.7	51.0	76.6
111	50.2	32.4	48.6

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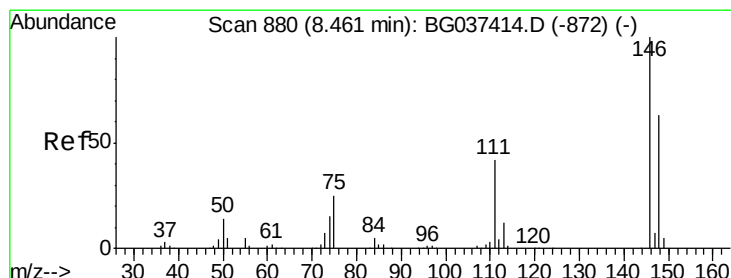
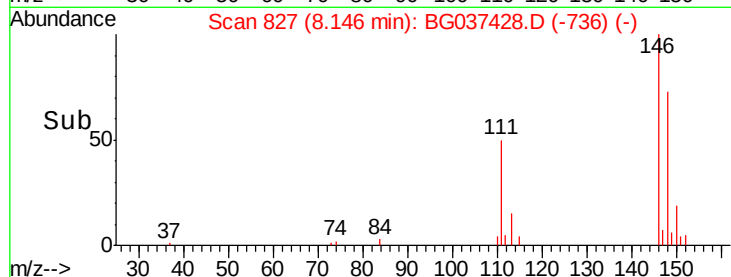
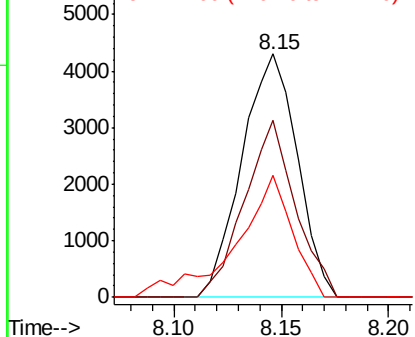


Abundance

Ion 146.00 (145.70 to 146.70): E

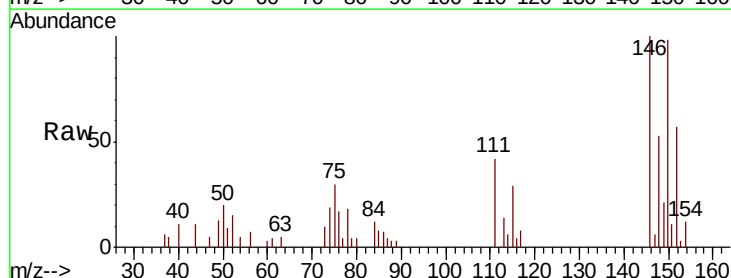
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 2.014 ng
 RT: 8.46 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
146	100		
148	53.4	50.4	75.6
111	41.8	34.6	51.8

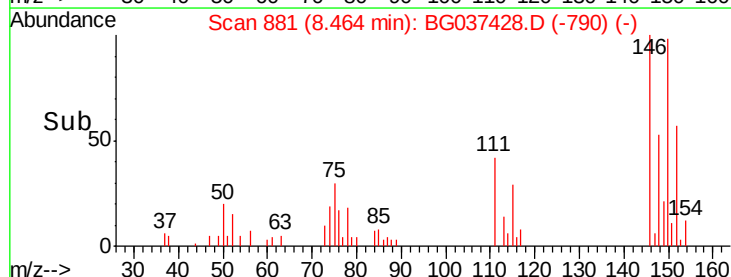
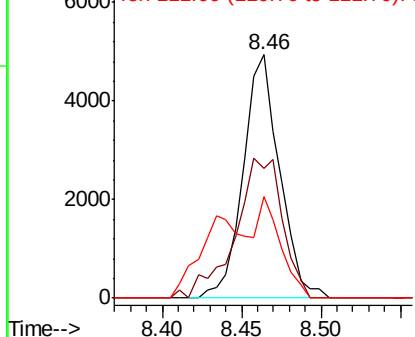


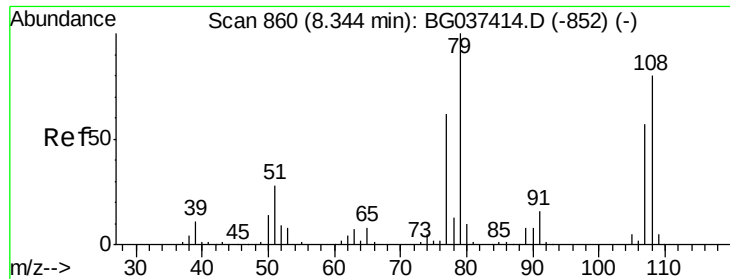
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.784 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

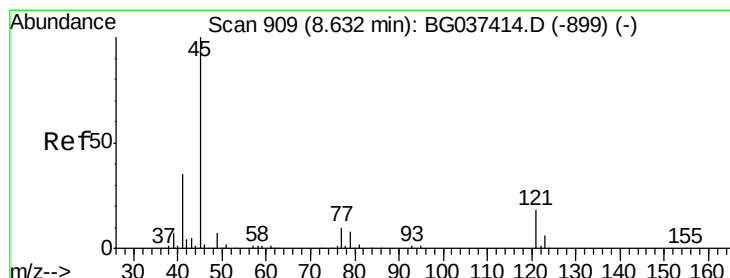
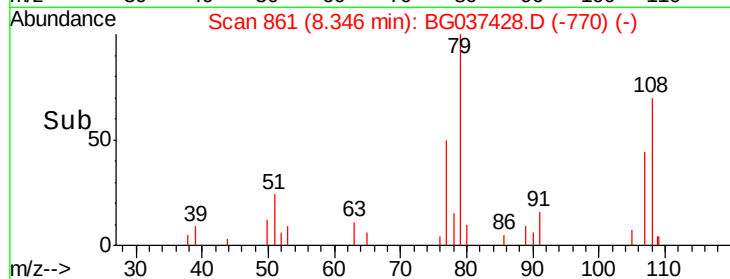
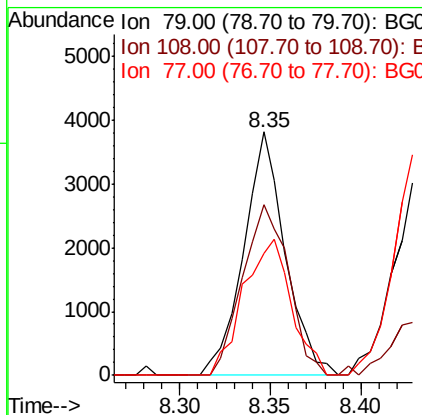
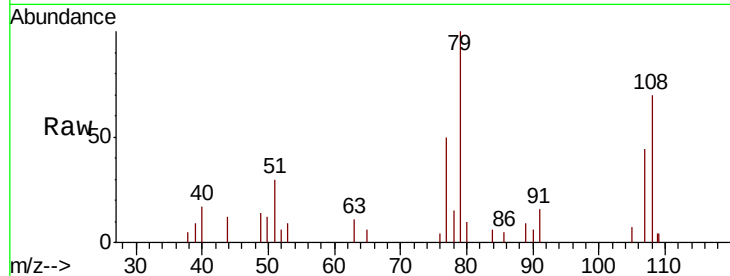
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
79	100		
108	70.2	65.8	98.8
77	49.9	52.9	79.3#

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#16

2,2'-oxybis(1-chloropropane)

Concen: 1.999 ng

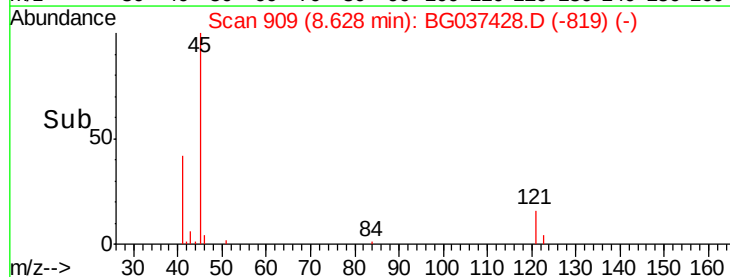
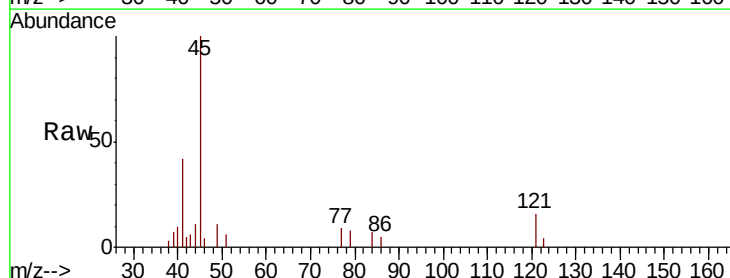
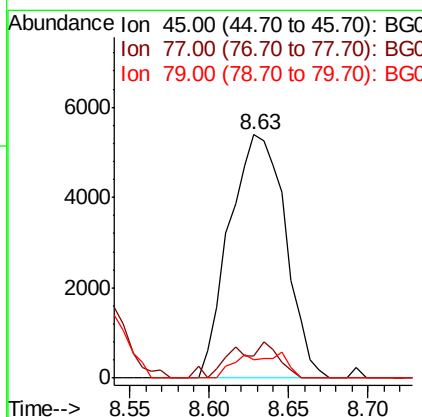
RT: 8.63 min Scan# 909

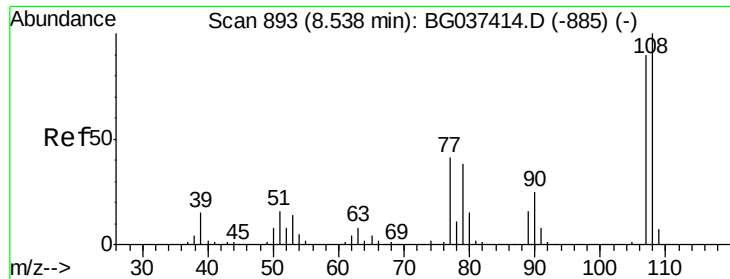
Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
45	100		
77	8.9	0.0	30.0
79	7.7	0.0	29.0





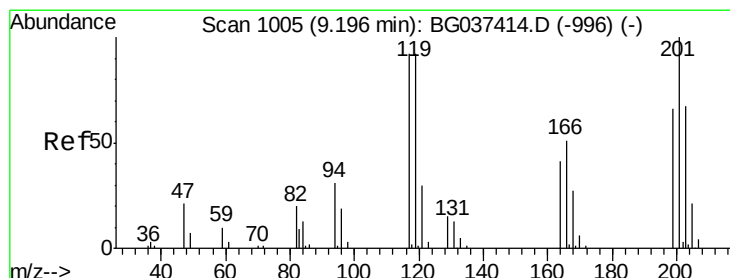
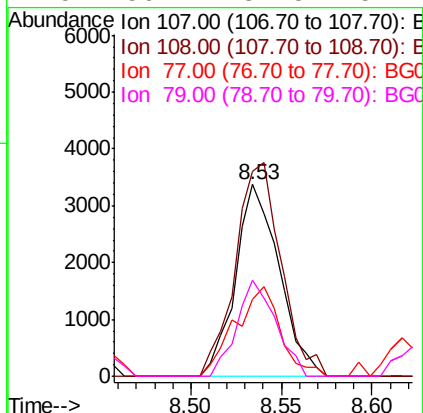
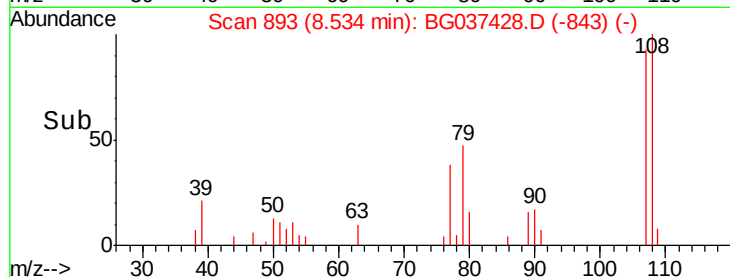
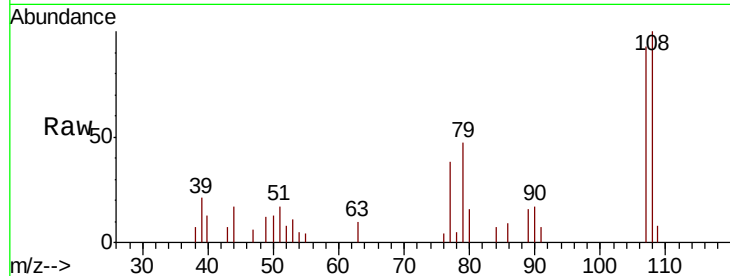
#17
2-Methylphenol
Concen: 1.757 ng
RT: 8.53 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
107	100		
108	107.2	87.9	131.9
77	40.3	35.1	52.7
79	50.2	34.5	51.7

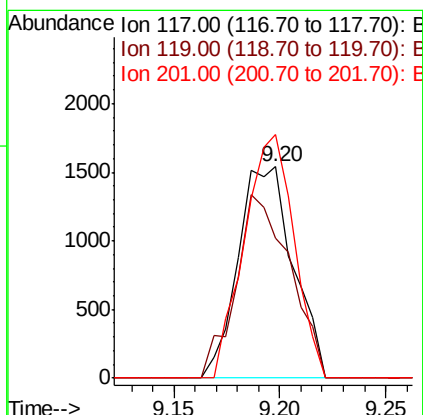
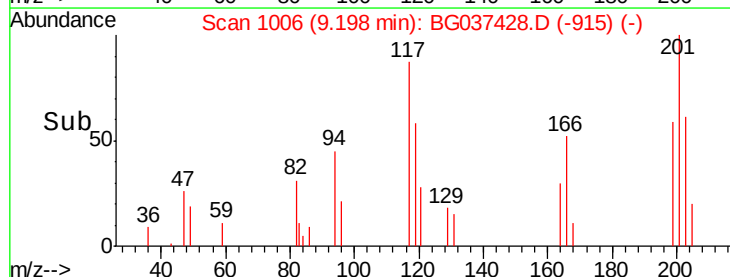
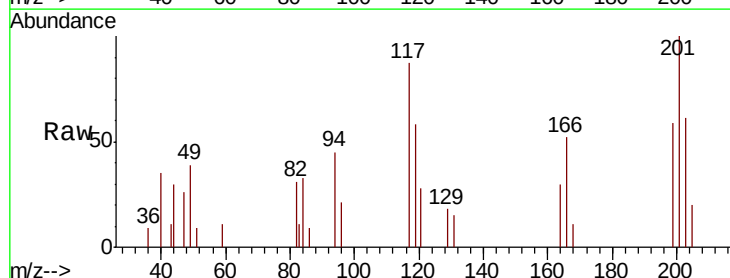
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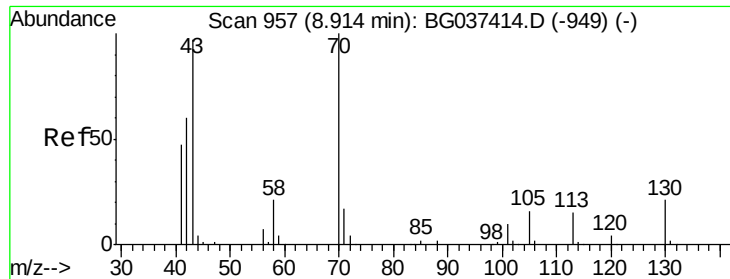
Sohil
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#18
Hexachloroethane
Concen: 2.017 ng
RT: 9.20 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	66.3	74.6	111.8#
201	115.2	80.8	121.2





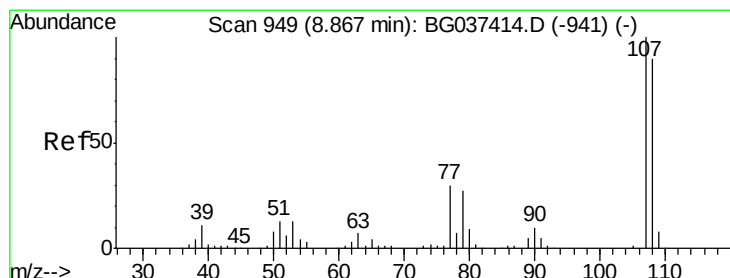
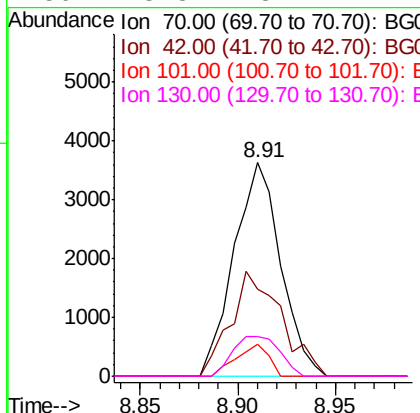
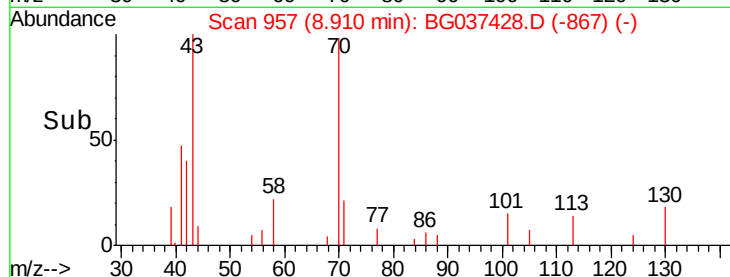
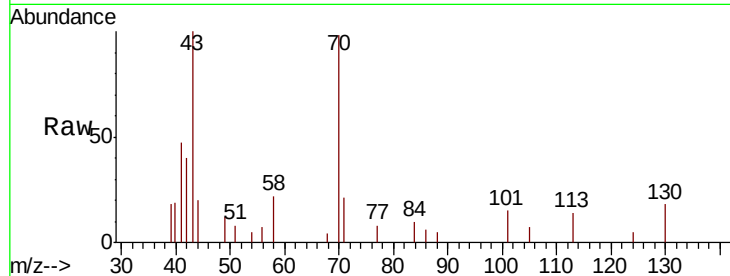
#19
n-Nitroso-di-n-propylamine
Concen: 1.896 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	40.9	53.9	80.9#	
101	15.0	8.2	12.2#	
130	18.8	18.2	27.4	

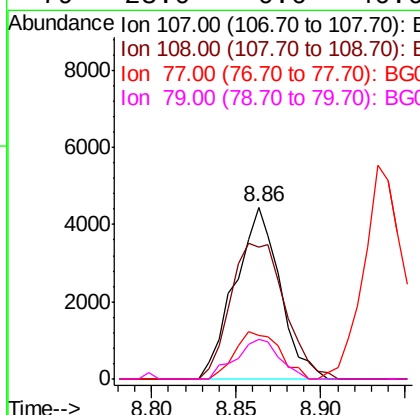
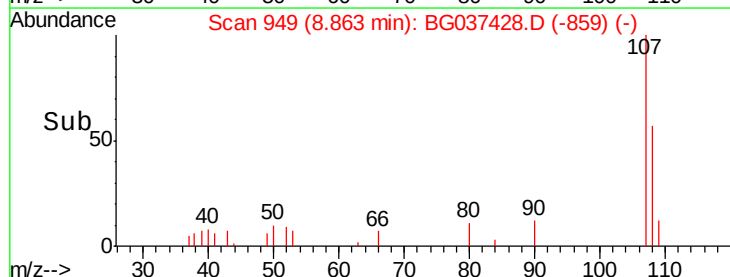
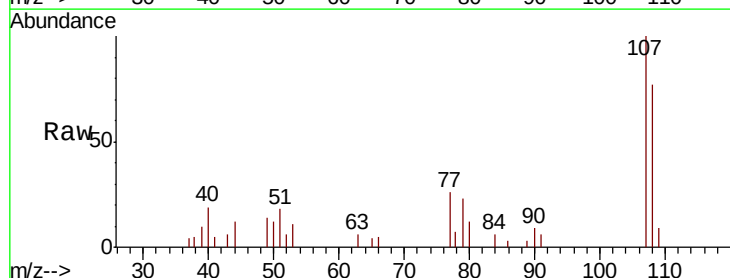
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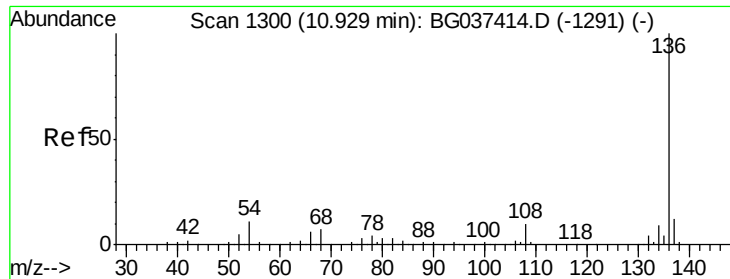
Sohil
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#20
3+4-Methylphenols
Concen: 1.793 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	76.8	69.9	109.9	
77	25.7	11.2	51.2	
79	23.0	6.6	46.6	





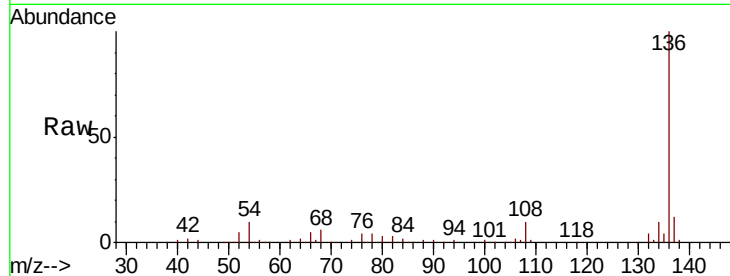
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	231202		
137	11.9		9.6	14.4
54	10.3		7.9	11.9
68	6.0		4.8	7.2

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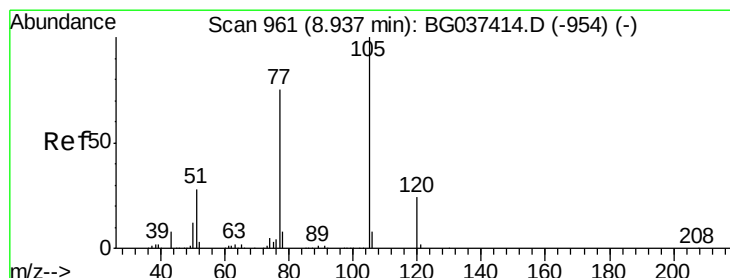
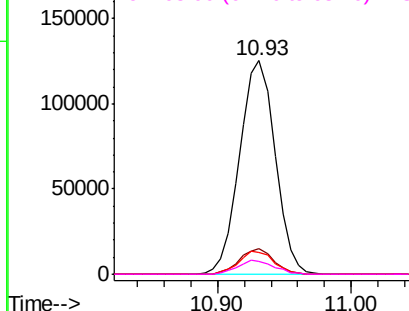
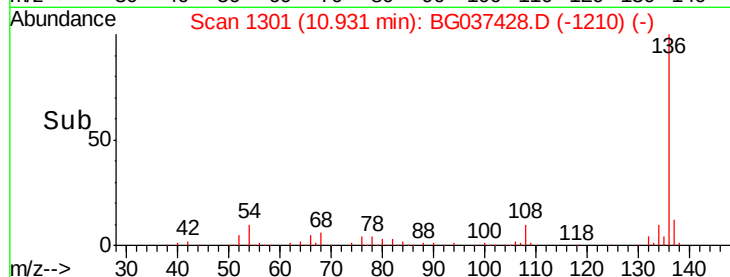
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 2.042 ng
RT: 8.94 min Scan# 962
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	11841		
71	0.0		1.2	1.8#
51	25.3		25.0	37.6
120	26.9		18.6	28.0

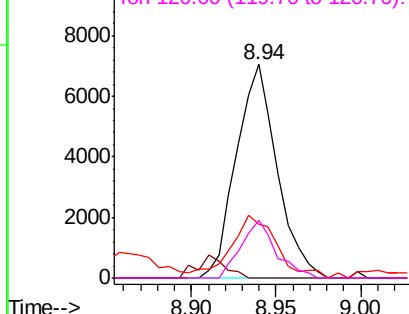
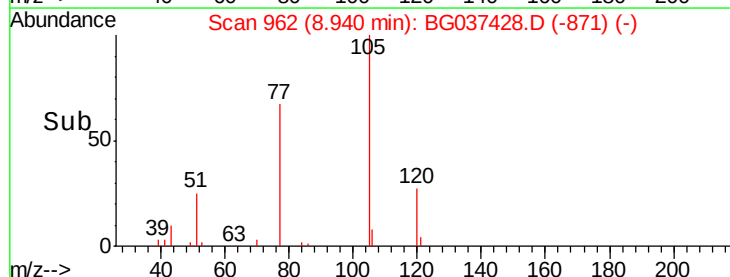
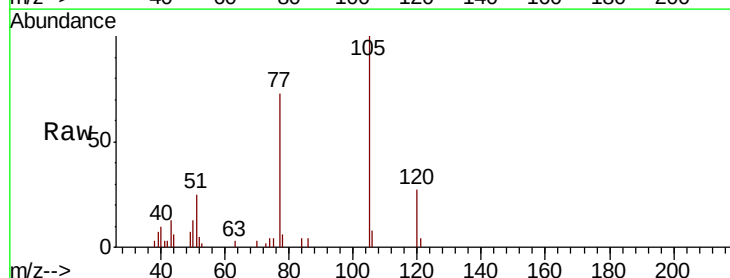
Abundance

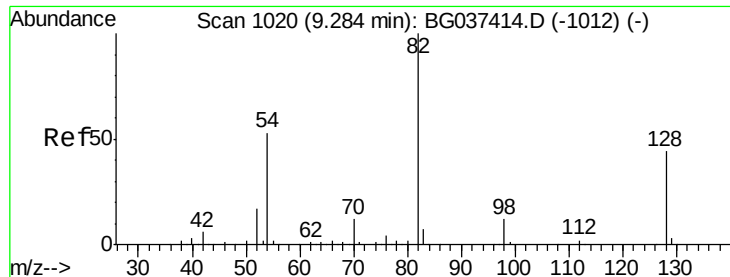
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





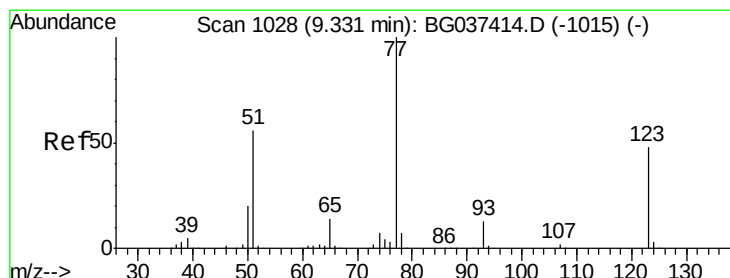
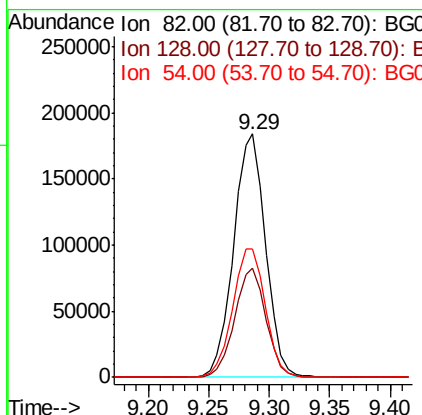
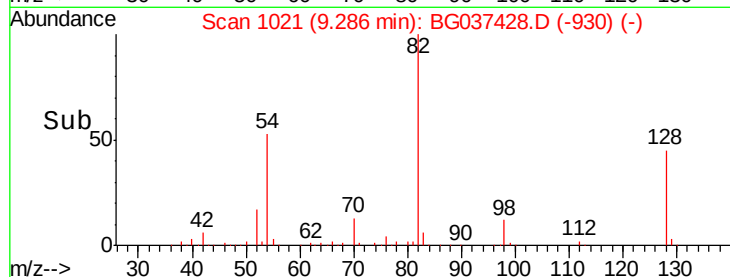
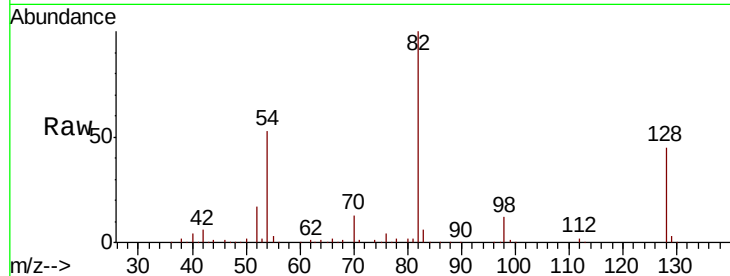
#23
 Nitrobenzene-d5
 Concen: 82.118 ng
 RT: 9.29 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

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

Tot Ion:	82	Resp:	338920
Ion Ratio	Lower	Upper	
82	100		
128	44.9	34.6	51.8
54	52.5	45.3	67.9

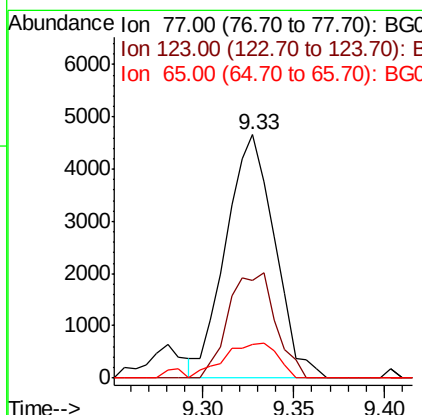
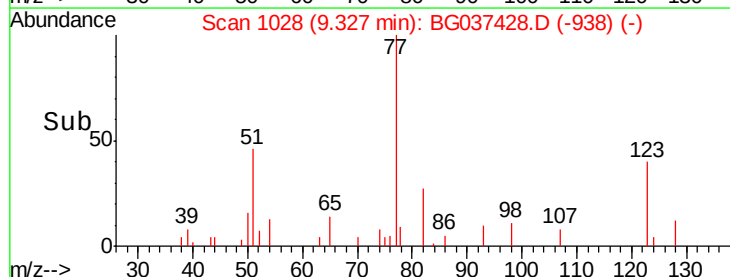
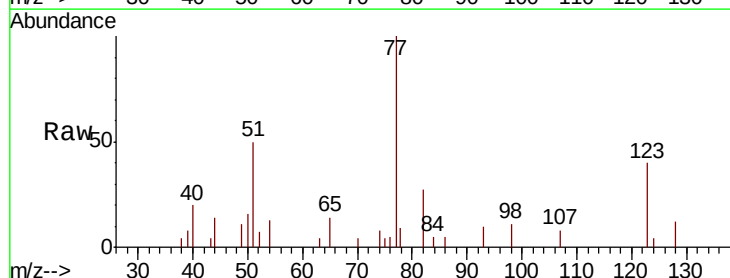
Manual Integrations
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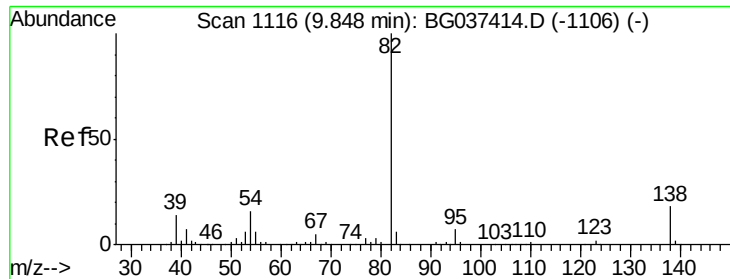
Sohil
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#24
 Nitrobenzene
 Concen: 2.024 ng
 RT: 9.33 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Tgt Ion:	77	Resp:	8676
Ion Ratio	Lower	Upper	
77	100		
123	39.9	33.6	50.4
65	13.7	11.3	16.9





#25

Isophorone

Concen: 2.082 ng

RT: 9.84 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

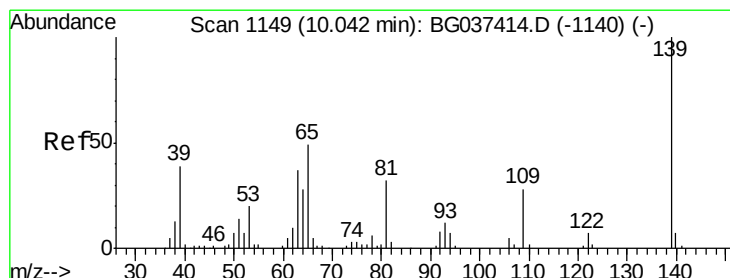
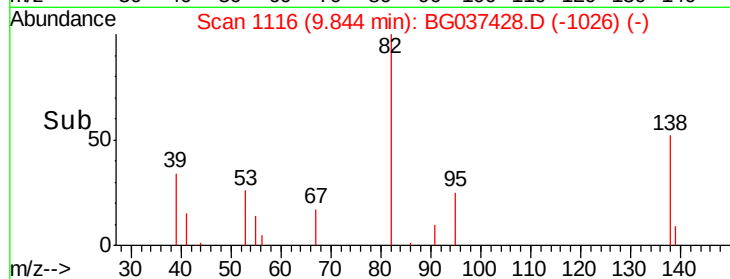
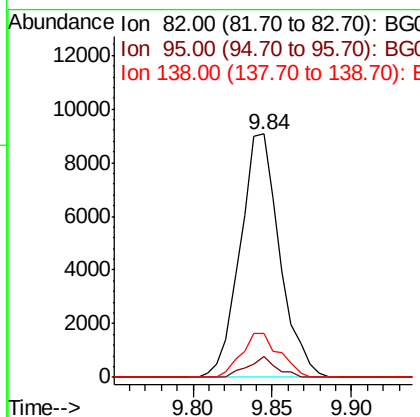
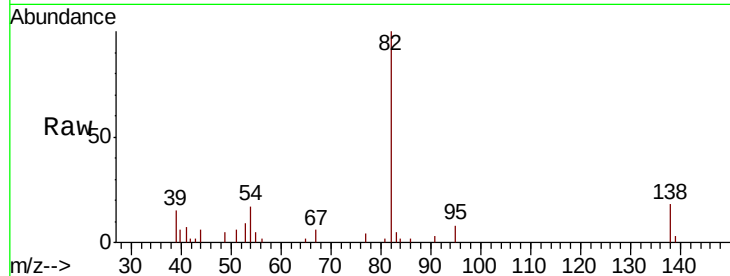
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion	82	Resp	15698
Ion Ratio	Lower	Upper	
82	100		
95	8.5	5.3	7.9#
138	17.9	13.3	19.9

Manual Integrations
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#26

2-Nitrophenol

Concen: 1.611 ng

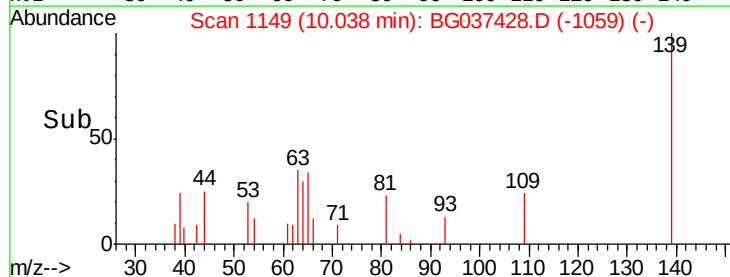
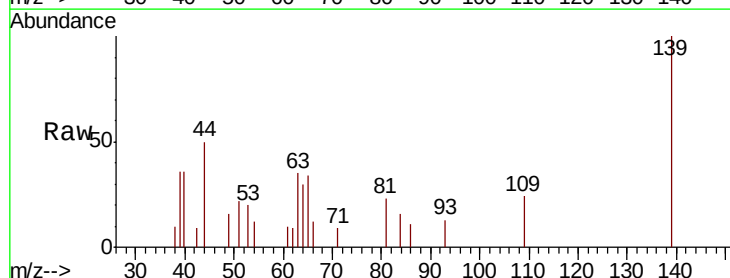
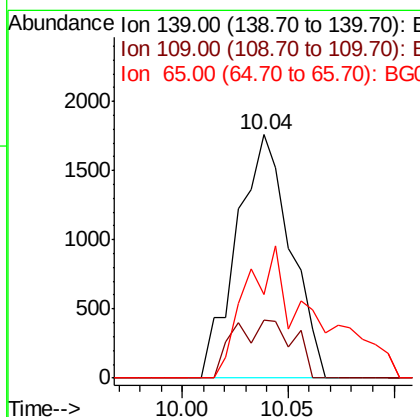
RT: 10.04 min Scan# 1149

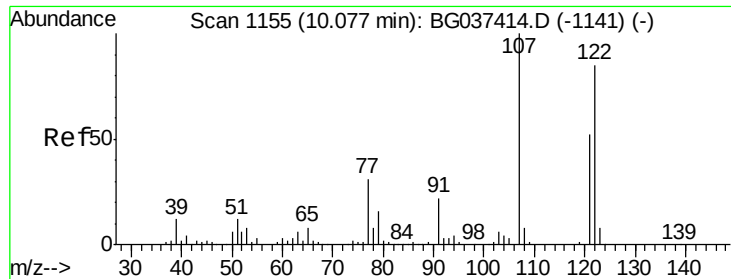
Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Tgt Ion	139	Resp	3112
Ion Ratio	Lower	Upper	
139	100		
109	24.0	23.3	34.9
65	34.2	39.8	59.8#





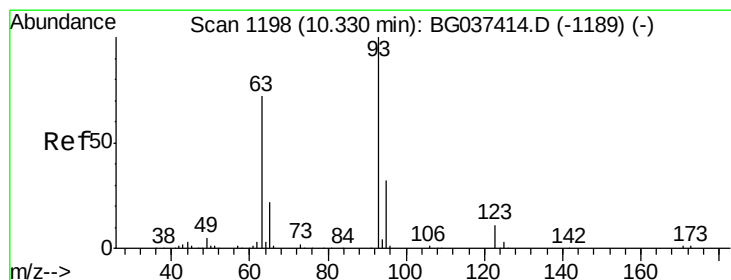
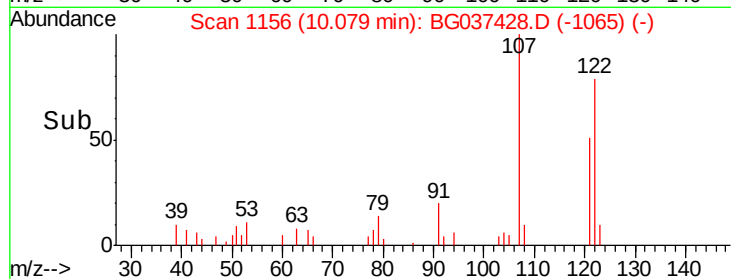
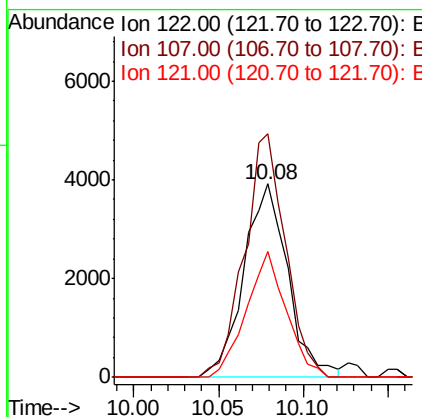
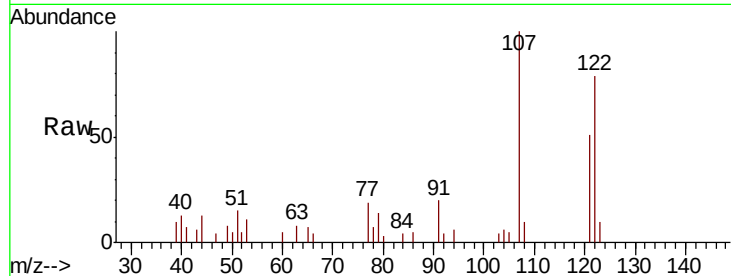
#27
2,4-Dimethylphenol
Concen: 2.056 ng
RT: 10.08 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	125.8	94.2	141.2
121	64.8	47.3	70.9

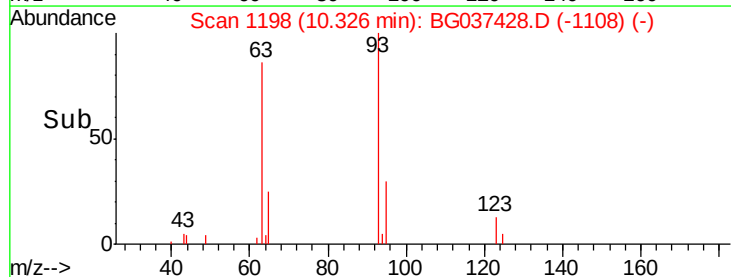
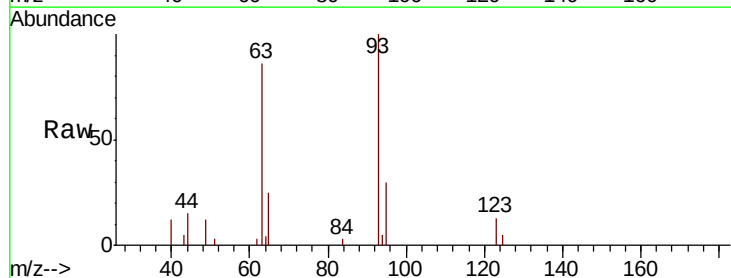
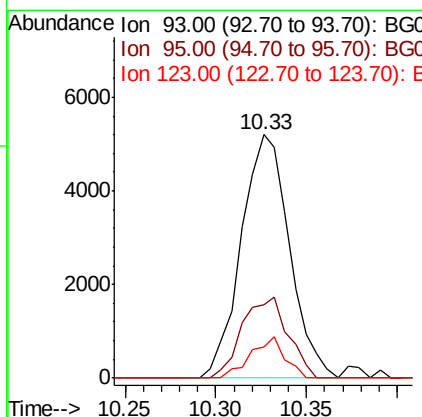
Manual Integrations
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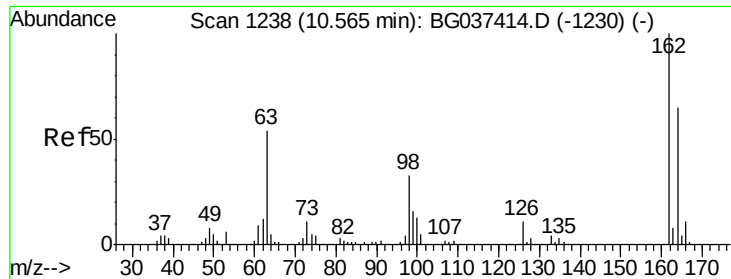
Sohil
10/19/2018 3:57:50 PM



#28
bis(2-Chloroethoxy)methane
Concen: 1.942 ng
RT: 10.33 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	30.0	24.6	37.0
123	12.8	9.1	13.7





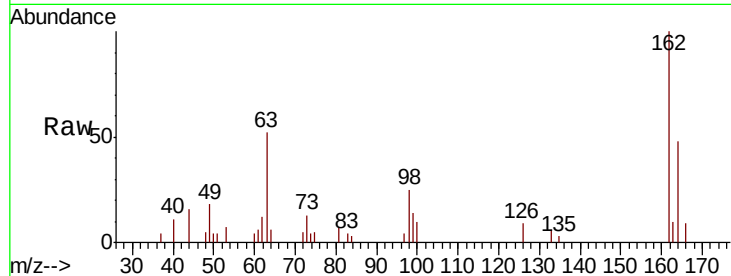
#29
2,4-Dichlorophenol
Concen: 1.842 ng
RT: 10.56 min Scan# 1238
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
162	100		
164	48.3	43.2	83.2
98	25.1	16.0	56.0

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10/19/2018 3:57:50 PM

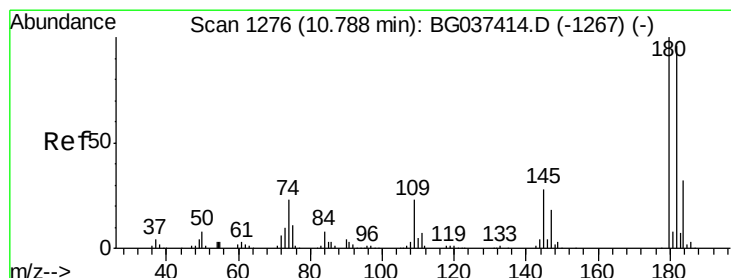
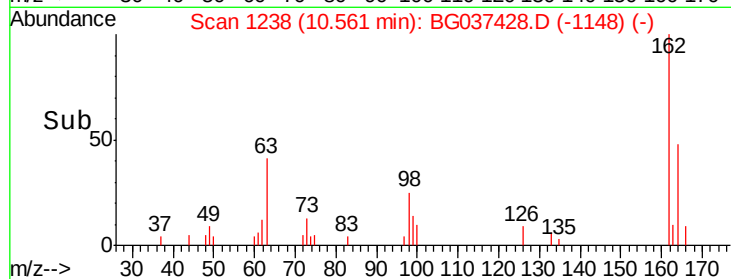
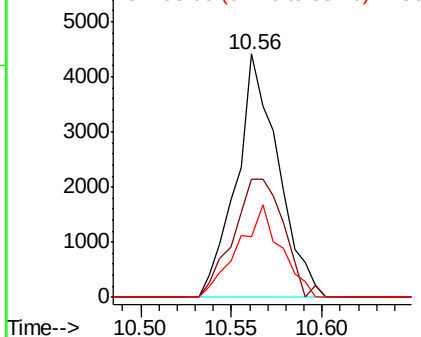


Abundance

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: 1.982 ng
RT: 10.79 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

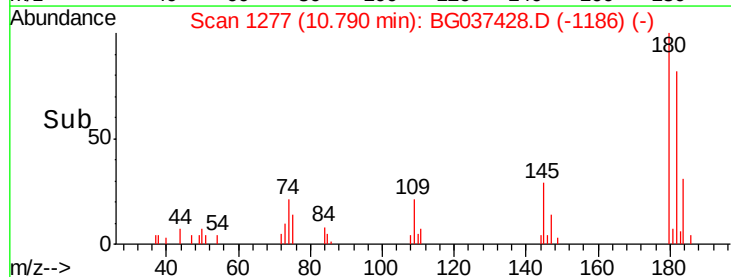
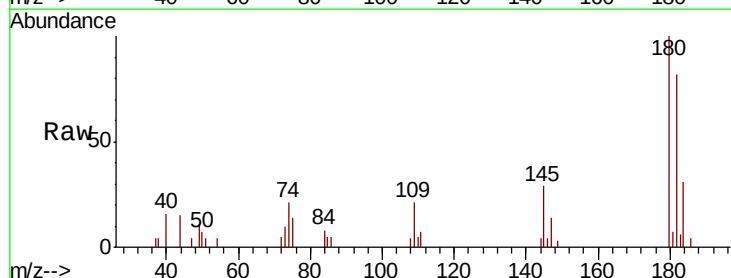
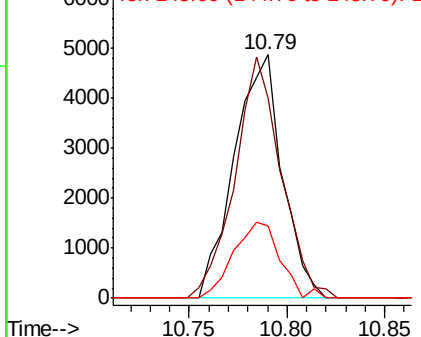
Tgt Ion	Ratio	Lower	Upper
180	100		
182	82.2	77.7	116.5
145	29.4	23.3	34.9

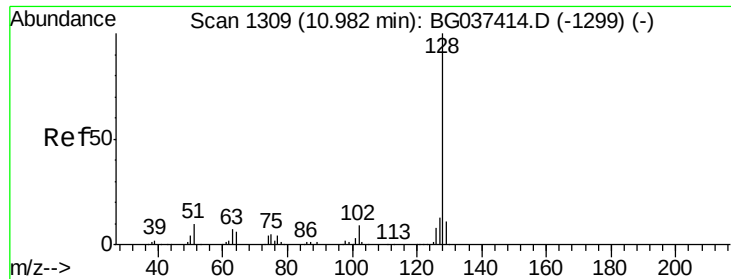
Abundance

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





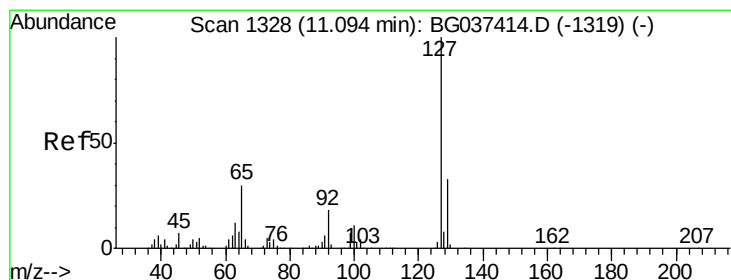
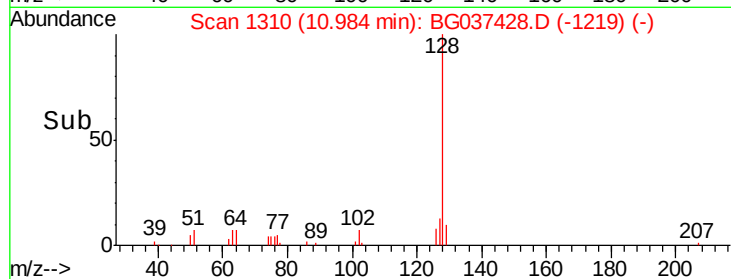
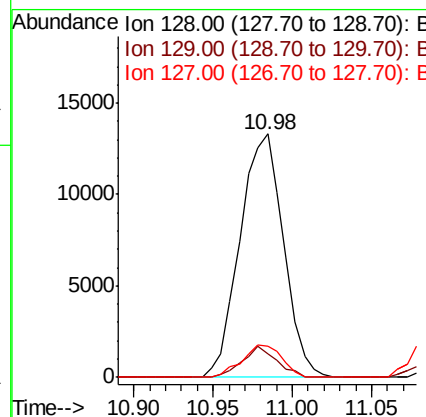
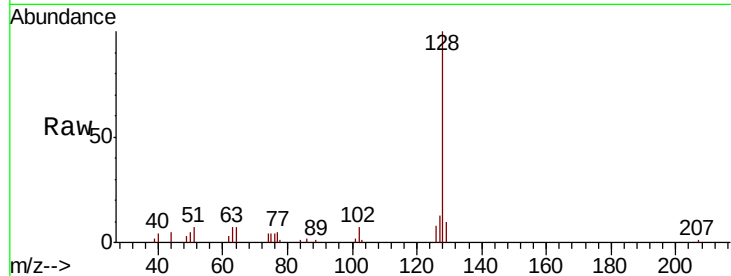
#31
Naphthalene
Concen: 2.230 ng
RT: 10.98 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.7	9.0	13.6
127	12.8	11.1	16.7

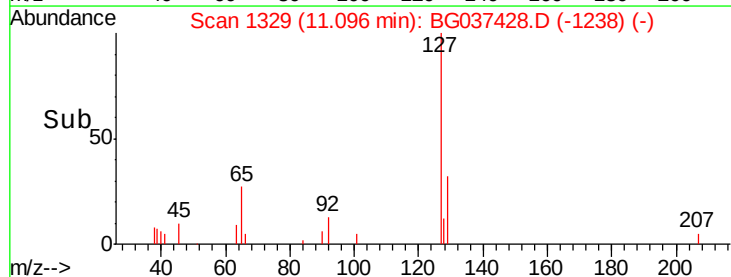
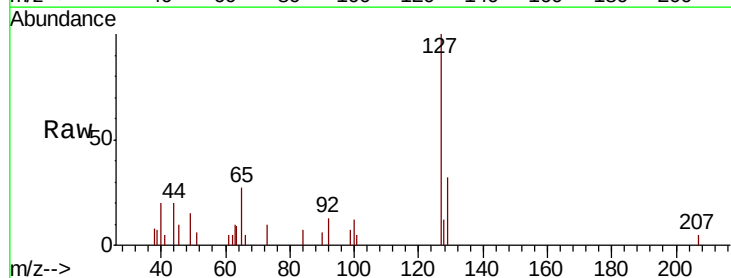
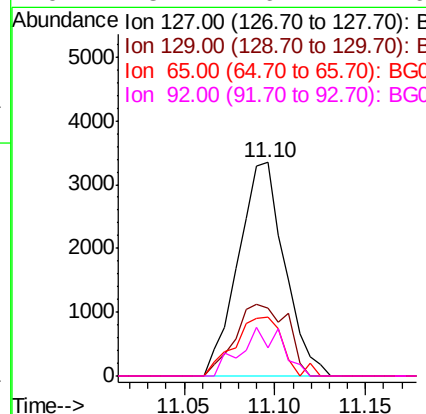
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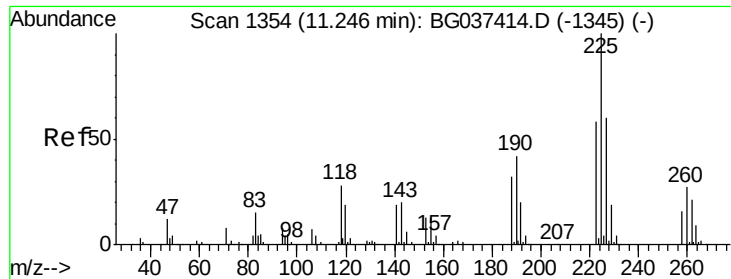
Sohil
10/19/2018 3:57:50 PM



#33
4-Chloroaniline
Concen: 1.113 ng
RT: 11.10 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.7	27.1	40.7
65	27.4	26.6	39.8
92	13.2	16.4	24.6#





#34

Hexachlorobutadiene

Concen: 1.922 ng

RT: 11.24 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

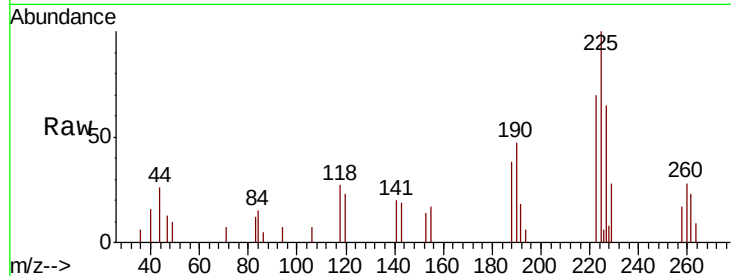
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion:	225	Resp:	4756
Ion Ratio	Lower	Upper	
225	100		
223	65.8	48.2	72.4
227	69.2	51.6	77.4

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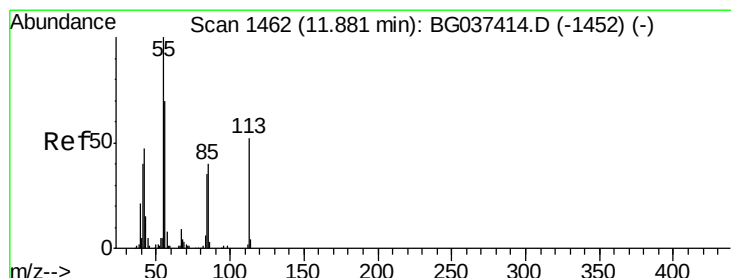
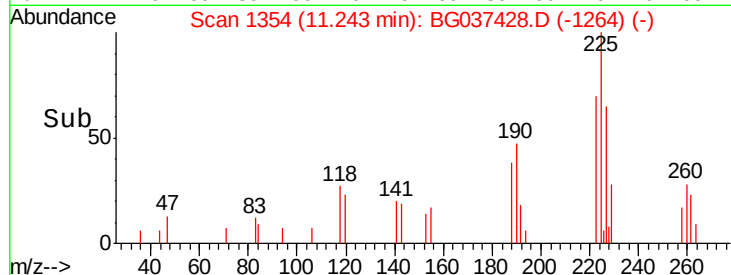
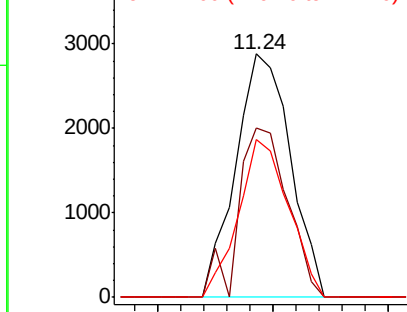


Abundance

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: 1.231 ng

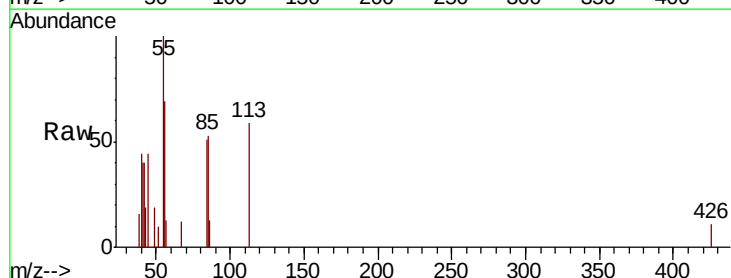
RT: 11.85 min Scan# 1458

Delta R.T. -0.03 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Tgt Ion:	113	Resp:	1895
Ion Ratio	Lower	Upper	
113	100		
55	168.1	176.6	216.6#
56	115.3	128.3	168.3#

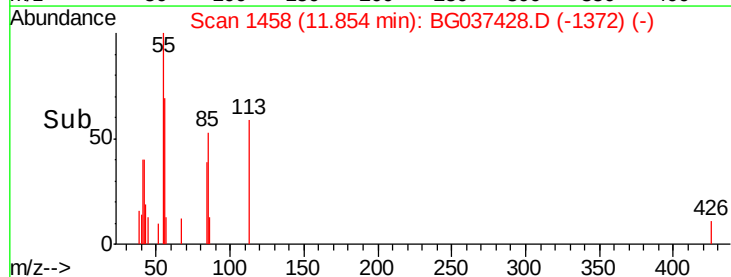
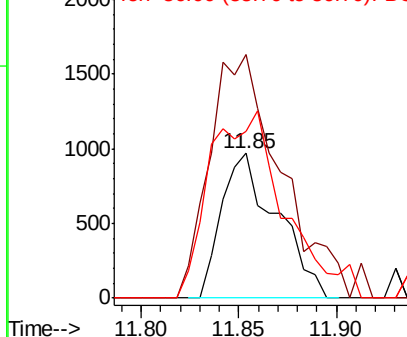


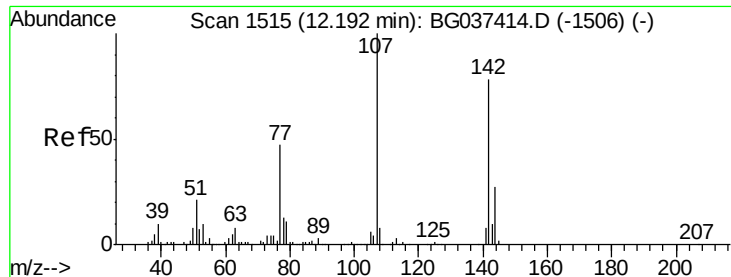
Abundance

Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG





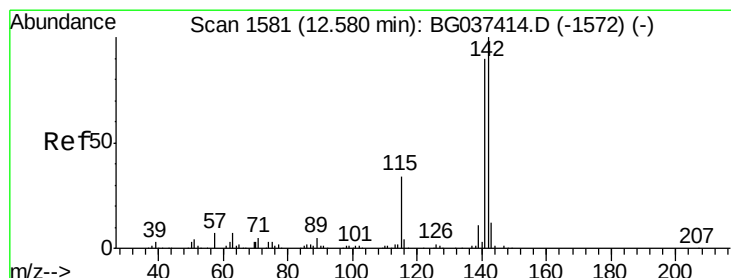
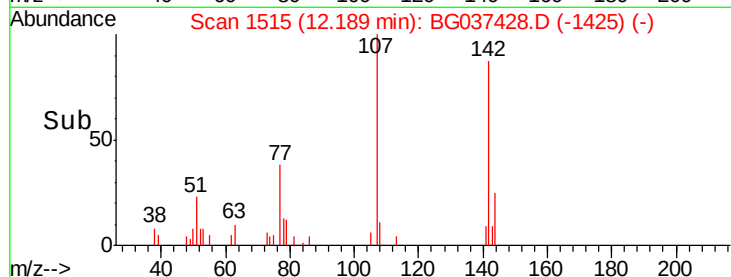
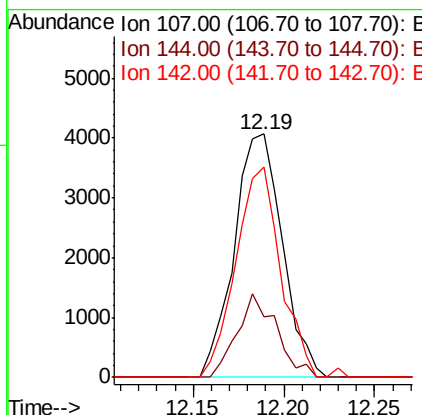
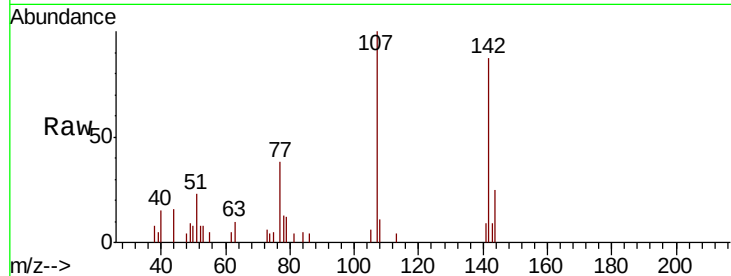
#36
4-Chloro-3-methylphenol
Concen: 1.737 ng
RT: 12.19 min Scan# 1515
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.7	31.1
142	86.6	64.4	96.6

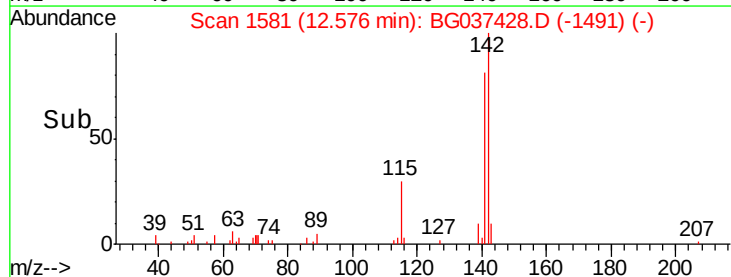
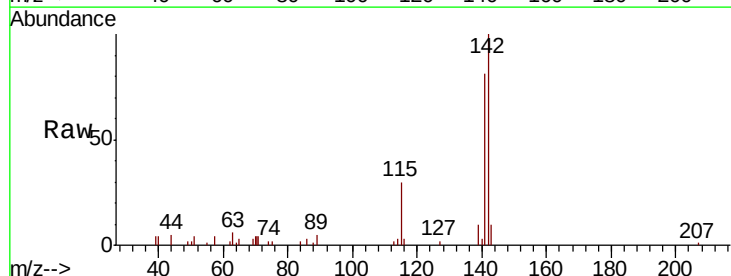
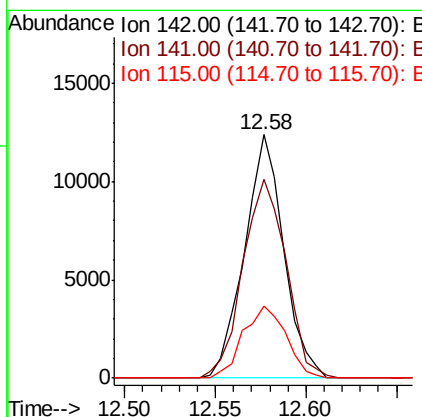
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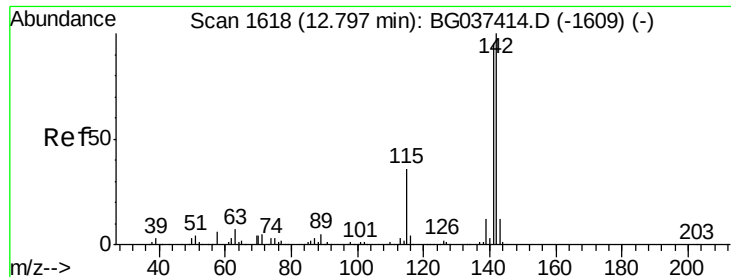
Sohil
10/19/2018 3:57:50 PM



#37
2-Methylnaphthalene
Concen: 2.260 ng
RT: 12.58 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.4	71.9	107.9
115	29.9	27.8	41.8





#38

1-Methylnaphthalene

Concen: 2.318 ng

RT: 12.79 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

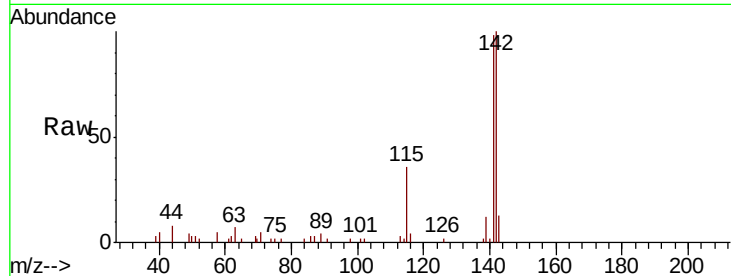
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

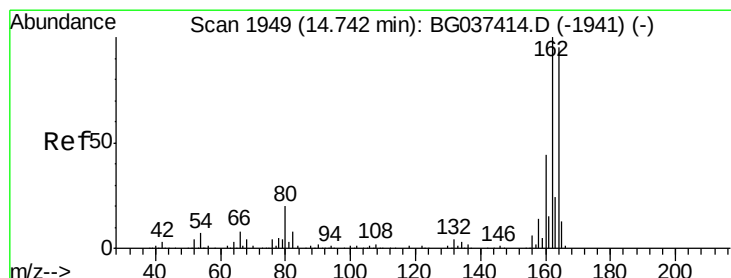
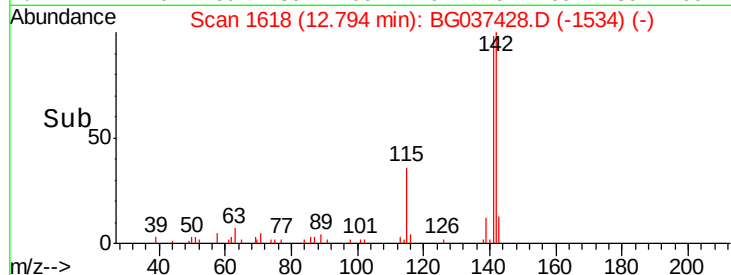
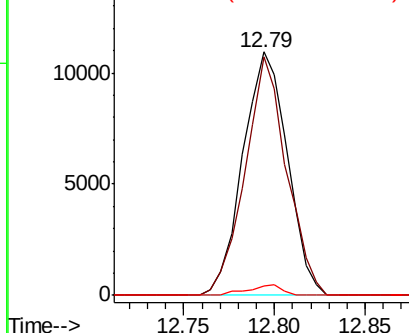
Tot Ion:	142	Resp:	18637
Ion Ratio	Lower	Upper	
142	100		
141	97.9	75.2	112.8
116	3.7	3.3	4.9

Manual Integrations
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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

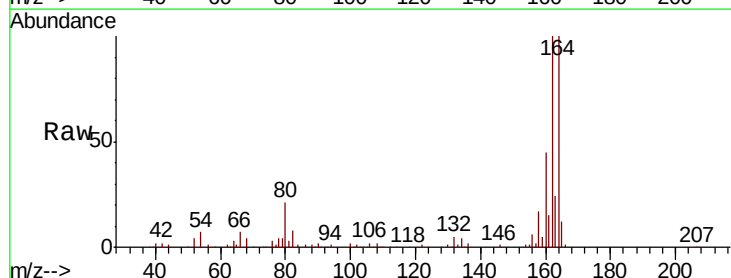
RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

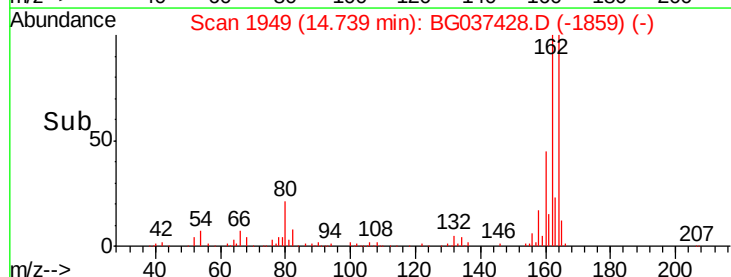
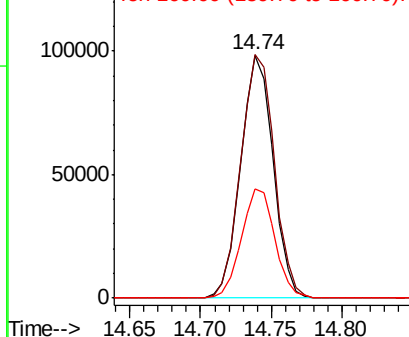
Lab File: BG037428.D

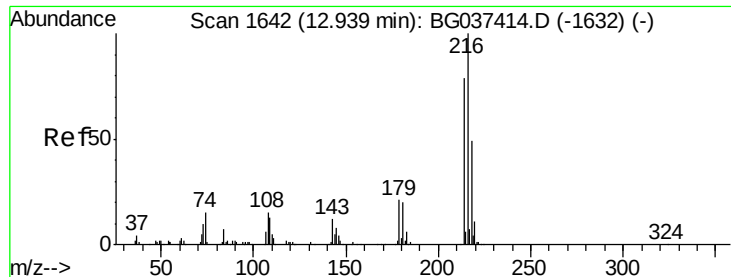
Acq: 18 Oct 2018 20:34

Tgt Ion:	164	Resp:	158012
Ion Ratio	Lower	Upper	
164	100		
162	100.2	81.3	121.9
160	44.7	36.3	54.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





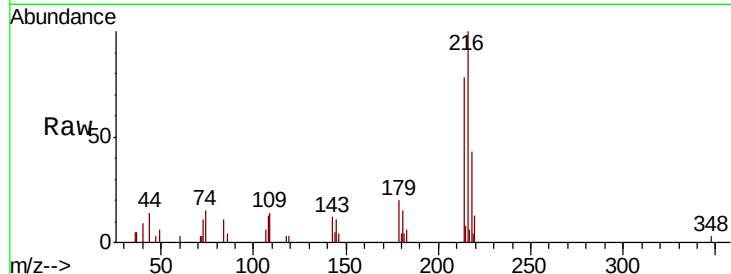
#40
1,2,4,5-Tetrachlorobenzene
Concen: 1.997 ng
RT: 12.93 min Scan# 1642
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

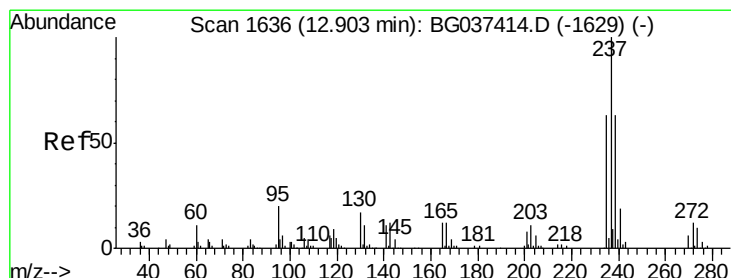
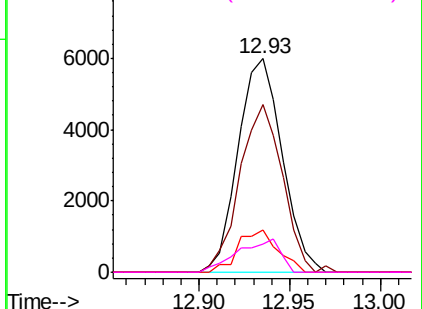
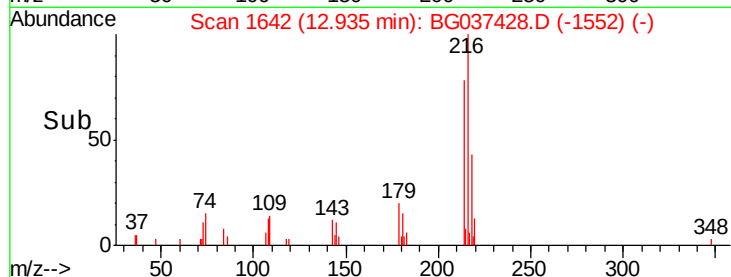
Tot Ion	Ratio	Lower	Upper
216	100		
214	76.1	63.8	95.6
179	18.0	17.4	26.0
108	15.3	13.9	20.9

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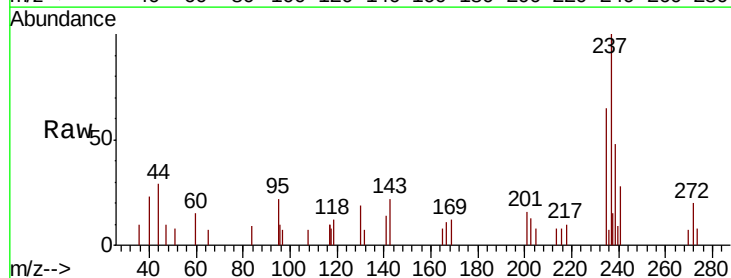


Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E

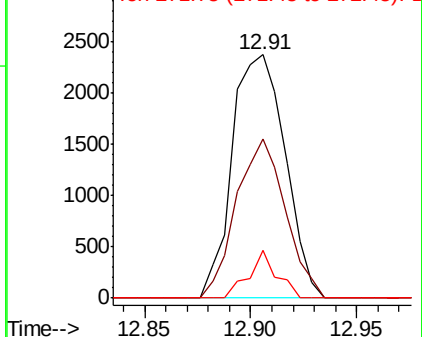
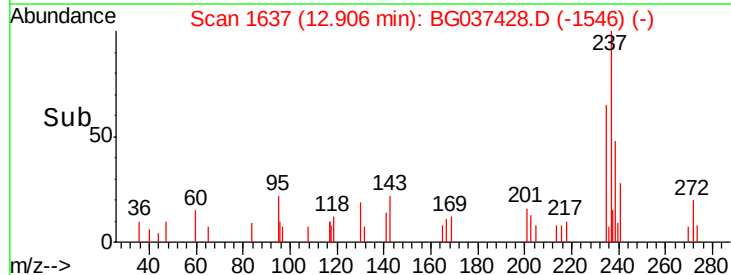


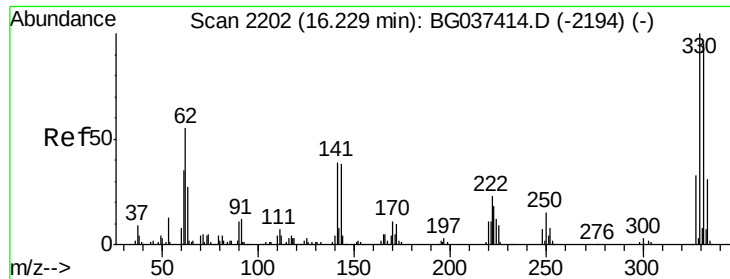
#41
Hexachlorocyclopentadiene
Concen: 1.692 ng
RT: 12.91 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
237	100		
235	65.3	42.5	82.5
272	19.9	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





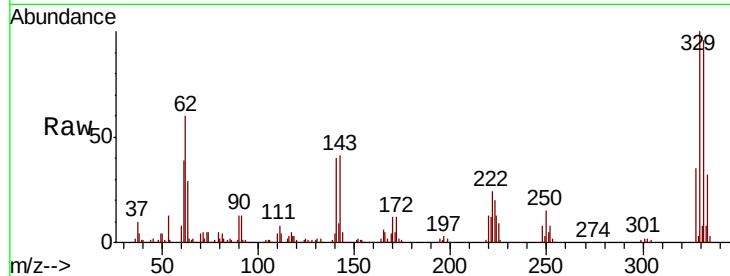
#42
 2,4,6-Tribromophenol
 Concen: 135.666 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	233809		
332	95.3	78.4	117.6	
141	39.2	32.2	48.2	

Manual Integrations
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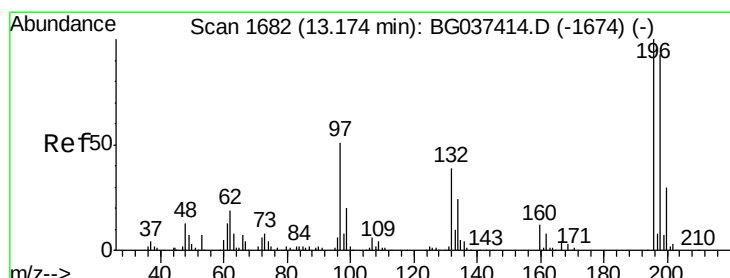
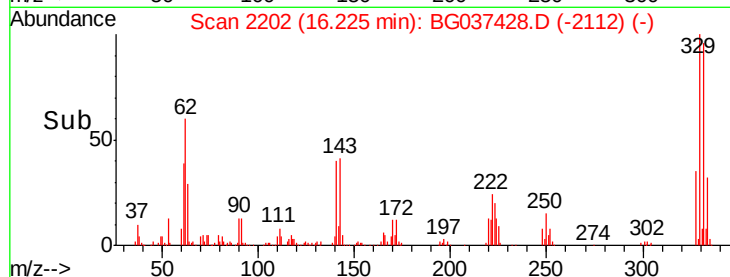
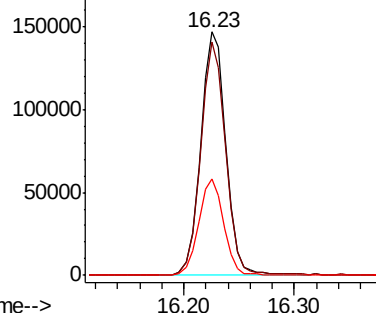


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#43
 2,4,6-Trichlorophenol
 Concen: 1.527 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

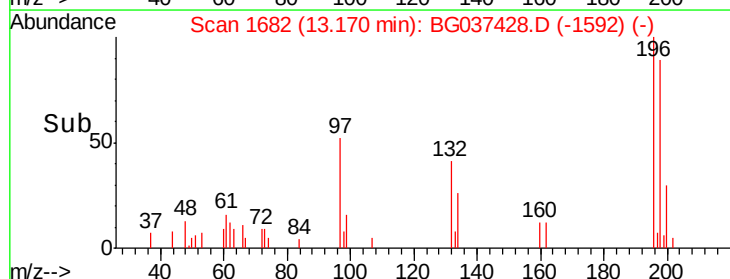
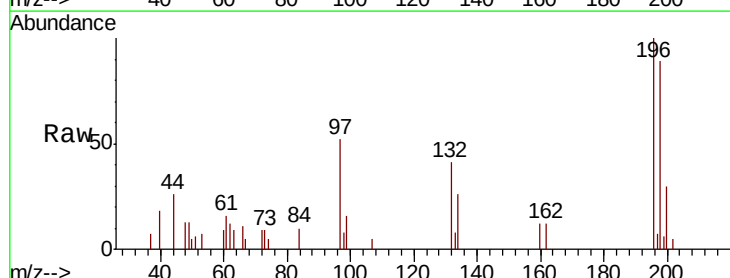
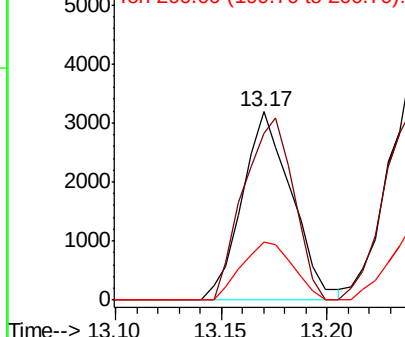
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	5199		
198	88.9	76.4	114.6	
200	30.5	24.9	37.3	

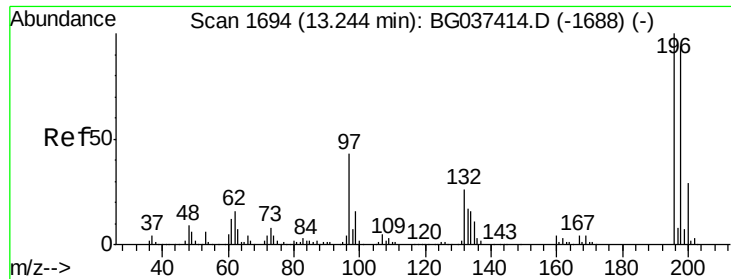
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





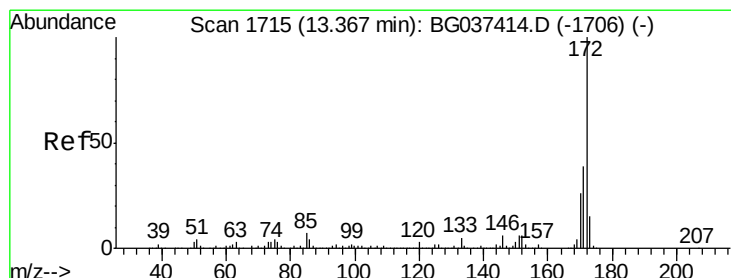
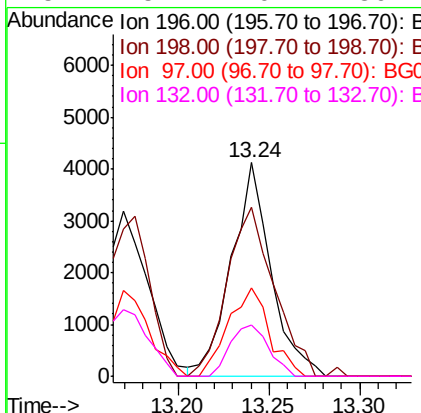
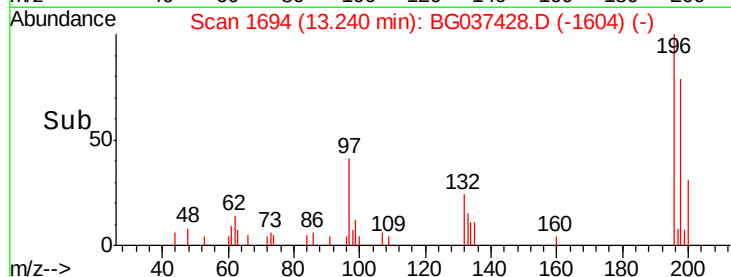
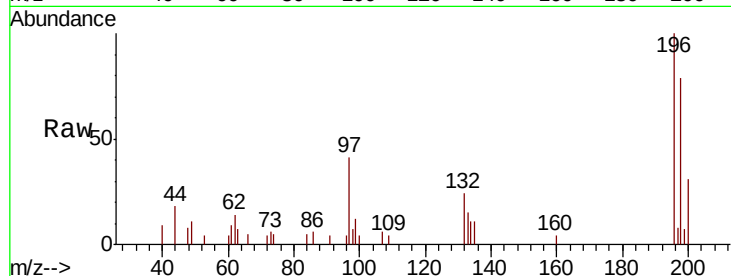
#44
2,4,5-Trichlorophenol
Concen: 1.689 ng
RT: 13.24 min Scan# 1694
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion:	196	Resp:	6261
Ion Ratio	Lower	Upper	
196	100		
198	79.0	74.2	111.2
97	41.1	34.1	51.1
132	23.7	20.2	30.4

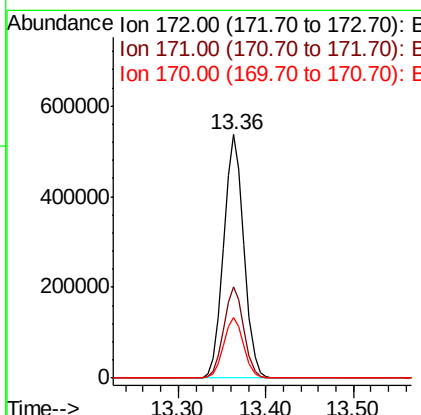
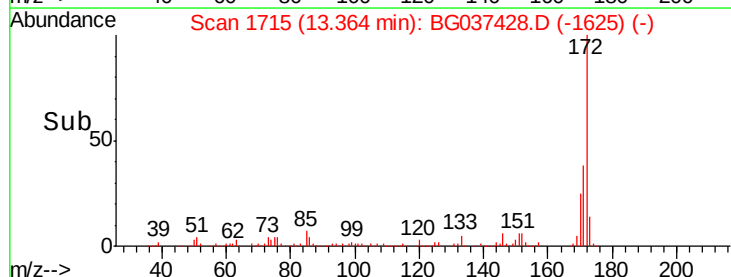
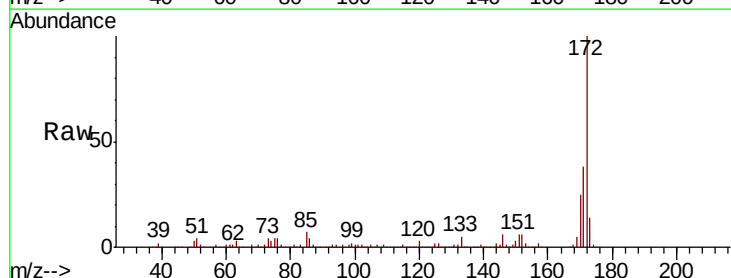
Manual Integrations
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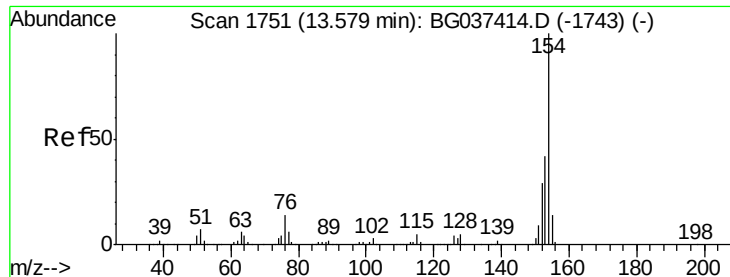
Sohil
10/19/2018 3:57:50 PM



#45
2-Fluorobiphenyl
Concen: 81.320 ng
RT: 13.36 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion:	172	Resp:	852122
Ion Ratio	Lower	Upper	
172	100		
171	37.8	31.0	46.4
170	24.7	20.2	30.2





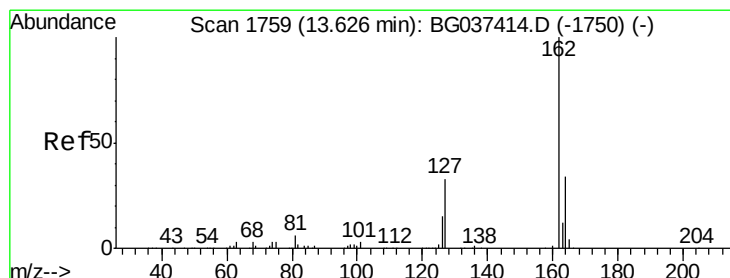
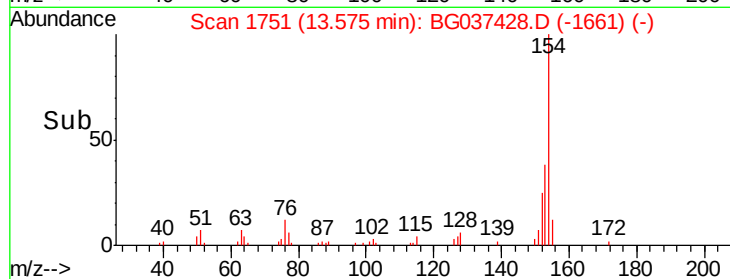
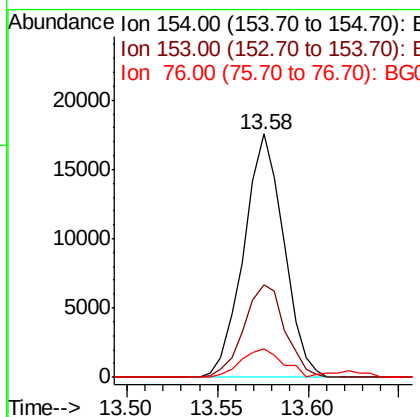
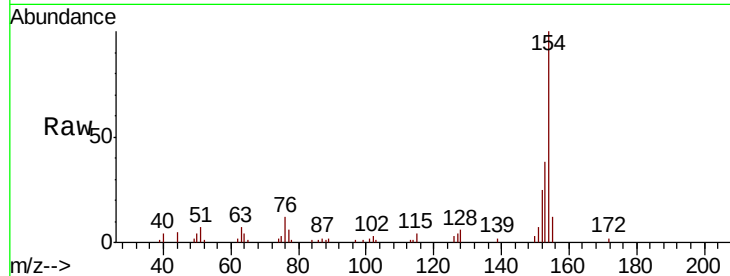
#46
1,1'-Biphenyl
Concen: 2.053 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	38.2	22.1	62.1
76	11.9	0.0	33.2

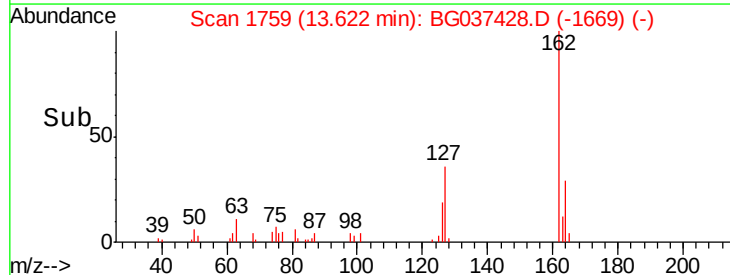
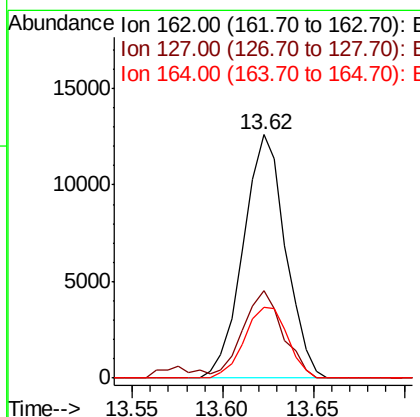
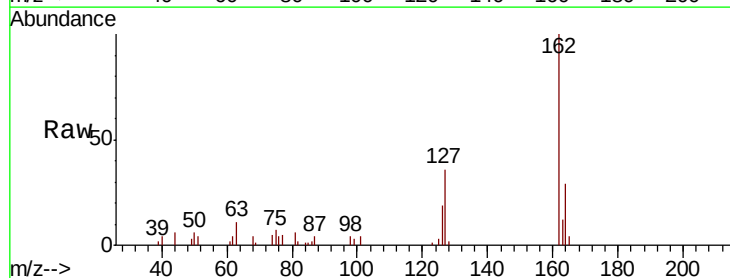
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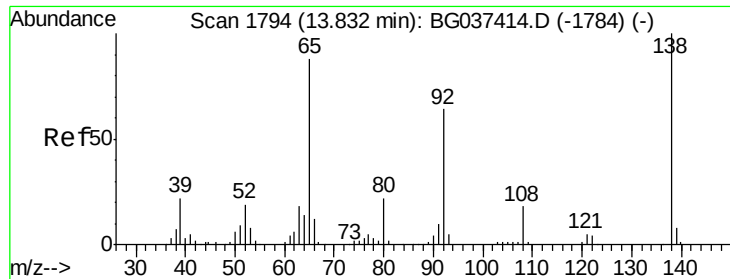
Sohil
10/19/2018 3:57:50 PM



#47
2-Chloronaphthalene
Concen: 2.058 ng
RT: 13.62 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
162	100		
127	35.7	30.5	45.7
164	29.0	26.4	39.6





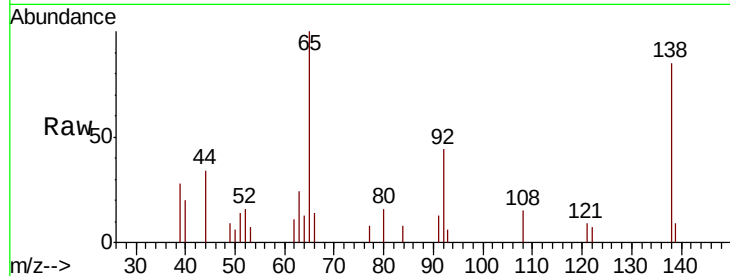
#48
2-Nitroaniline
Concen: 1.557 ng
RT: 13.83 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
65	100		
92	44.1	53.2	79.8#
138	85.4	79.3	118.9

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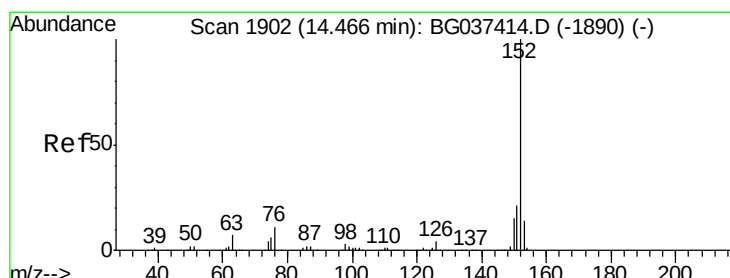
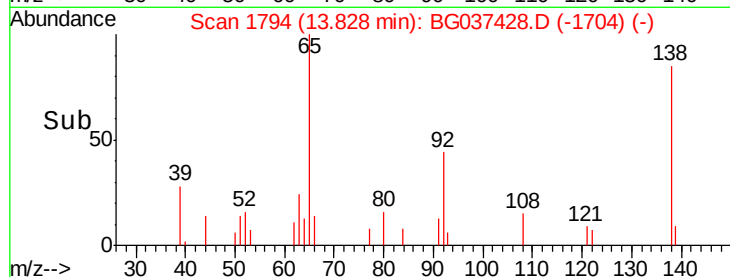
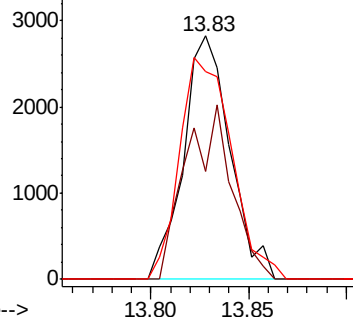


Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#49
Acenaphthylene
Concen: 2.150 ng
RT: 14.47 min Scan# 1903
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

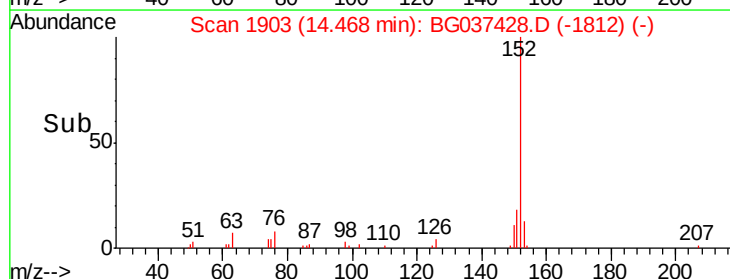
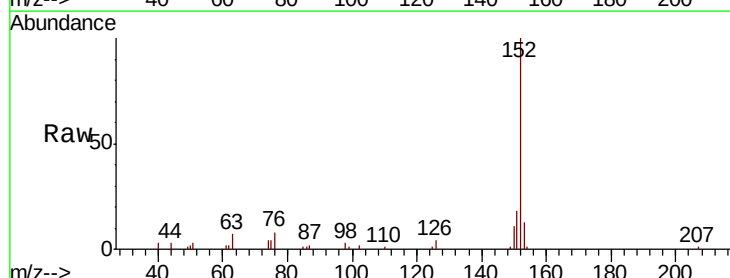
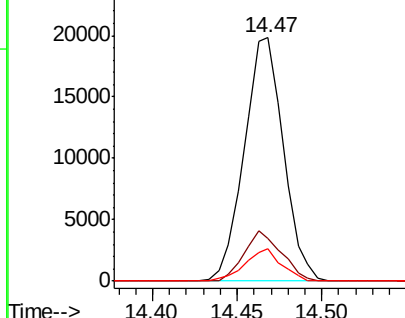
Tgt Ion	Ratio	Lower	Upper
152	100		
151	17.7	17.1	25.7
153	13.5	11.1	16.7

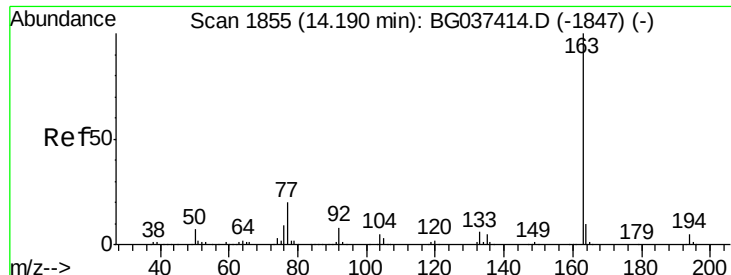
Abundance

Ion 152.00 (151.70 to 152.70): BGC

Ion 151.00 (150.70 to 151.70): BGC

Ion 153.00 (152.70 to 153.70): BGC





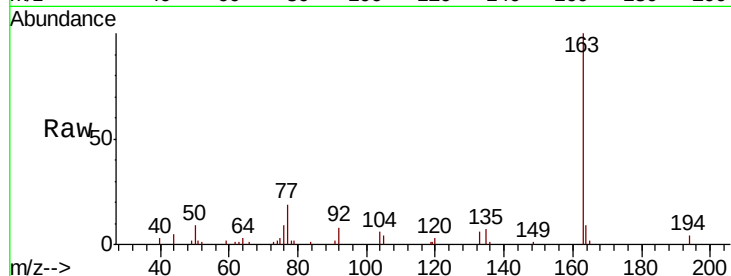
#50
Dimethylphthalate
Concen: 2.057 ng
RT: 14.19 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.5	5.3
164	9.5	8.5	12.7

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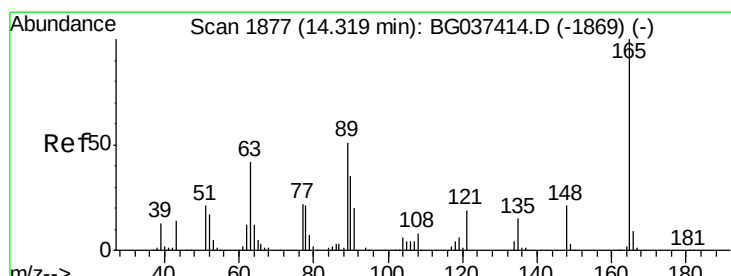
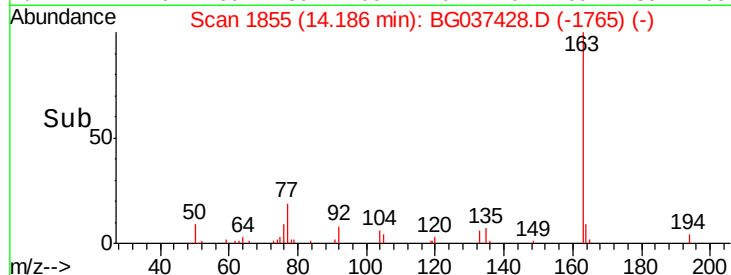
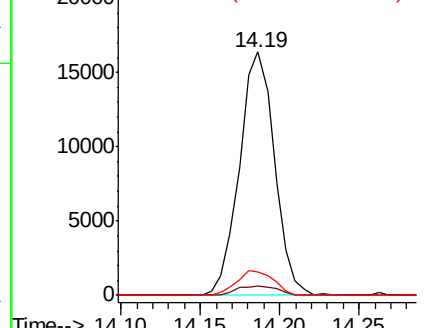


Abundance

Ion 163.00 (162.70 to 163.70): E

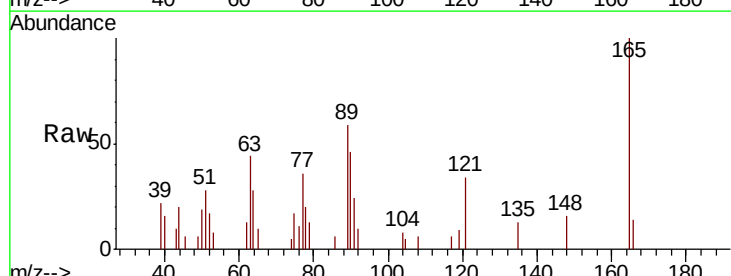
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 1.615 ng
RT: 14.31 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	43.7	43.4	65.2
89	58.7	45.8	68.6

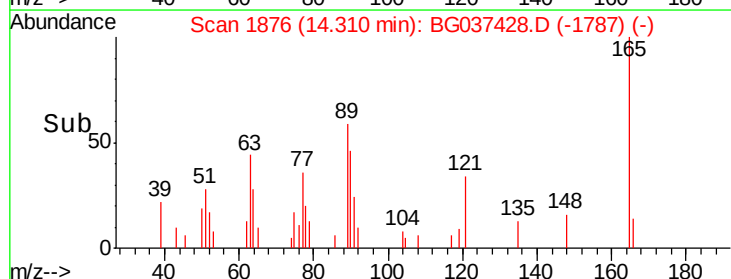
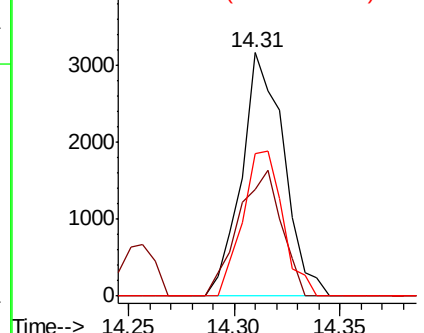


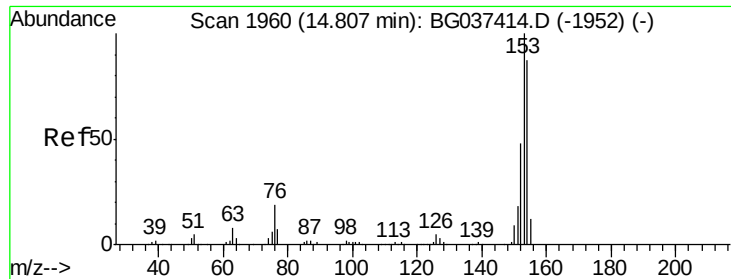
Abundance

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: 2.136 ng

RT: 14.80 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

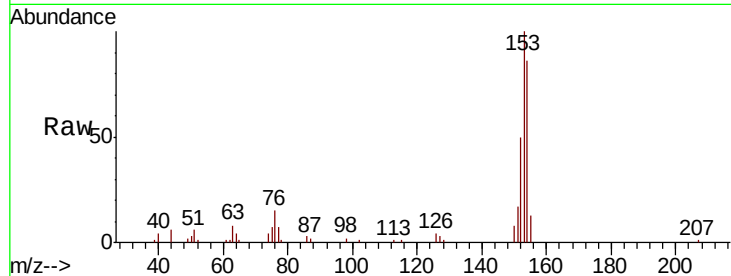
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion:	154	Resp:	19589
Ion Ratio	Lower	Upper	
154	100		
153	115.9	93.4	140.0
152	57.9	44.7	67.1

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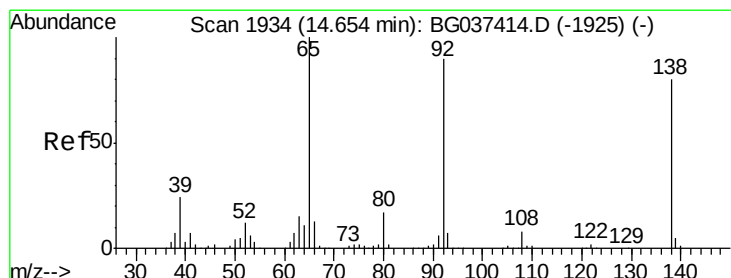
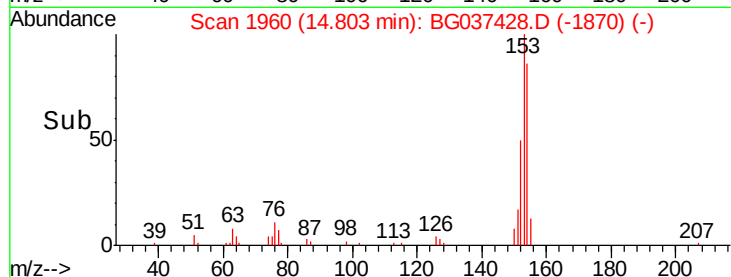
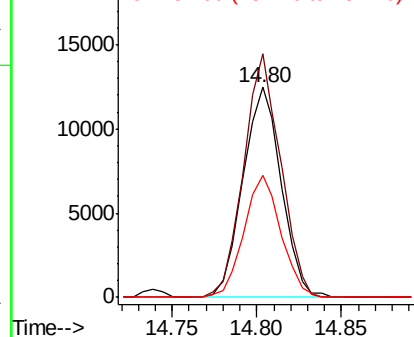


Abundance

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: 1.377 ng

RT: 14.64 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

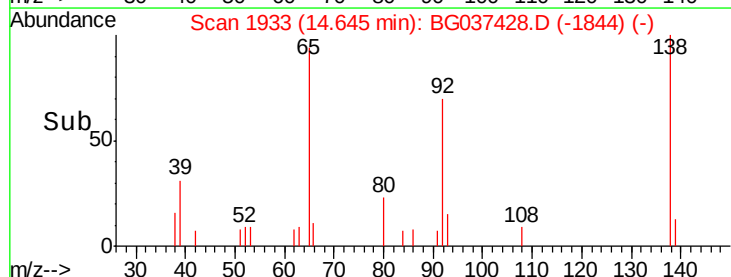
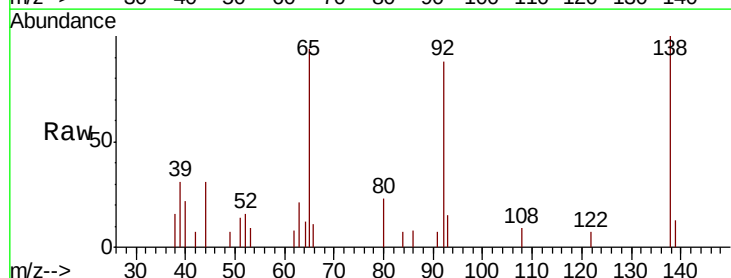
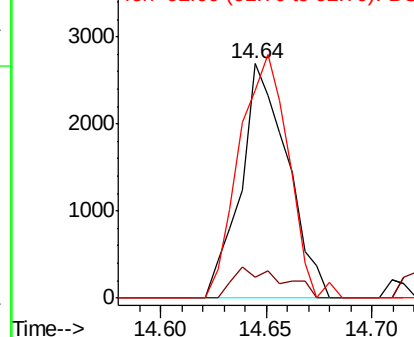
Tgt Ion:	138	Resp:	4133
Ion Ratio	Lower	Upper	
138	100		
108	9.0	11.0	16.6#
92	88.4	95.2	142.8#

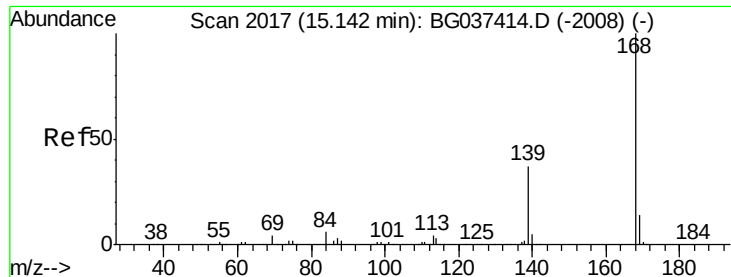
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





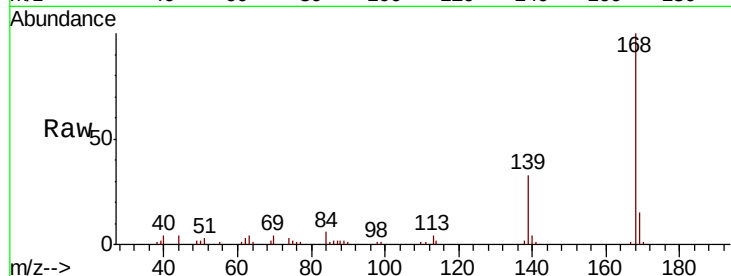
#55
Dibenzenofuran
Concen: 2.130 ng
RT: 15.14 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
168	100		
139	32.6	29.4	44.0
169	14.9	11.0	16.6

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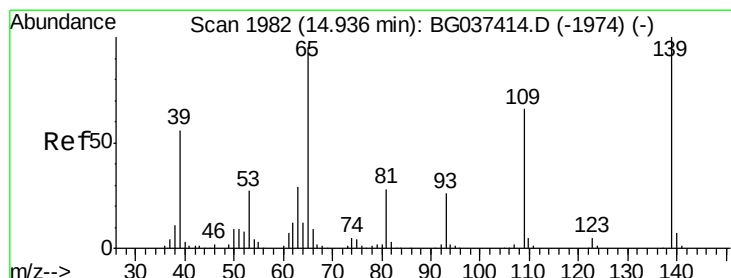
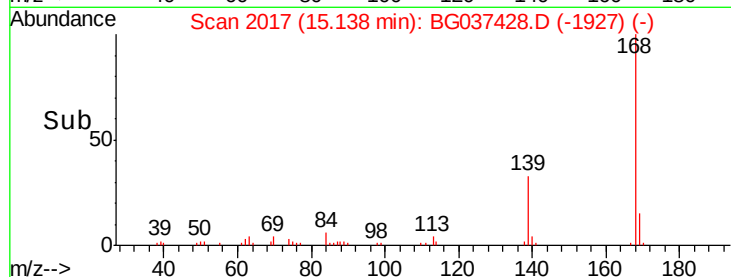
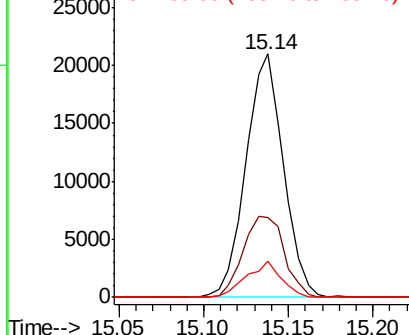


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 0.769 ng
RT: 14.94 min Scan# 1983
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

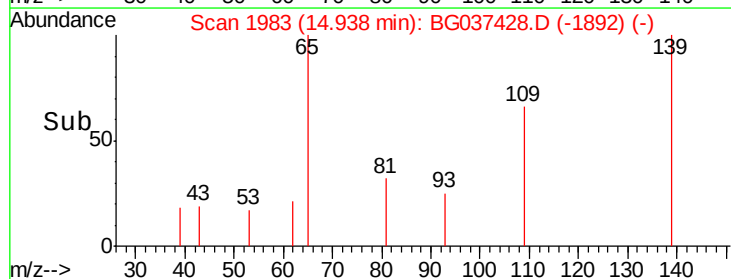
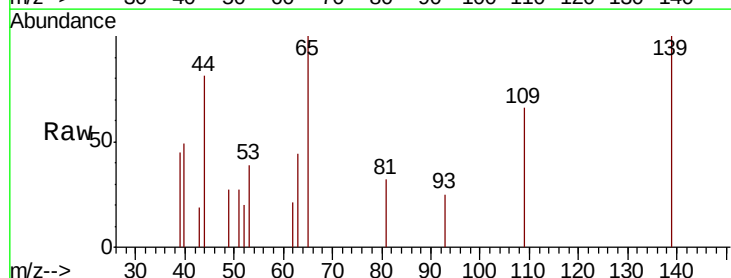
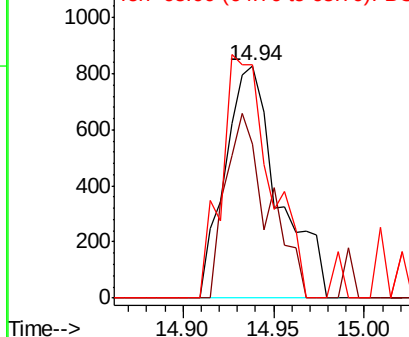
Tgt Ion	Ratio	Lower	Upper
139	100		
109	66.5	49.5	89.5
65	100.5	76.8	116.8

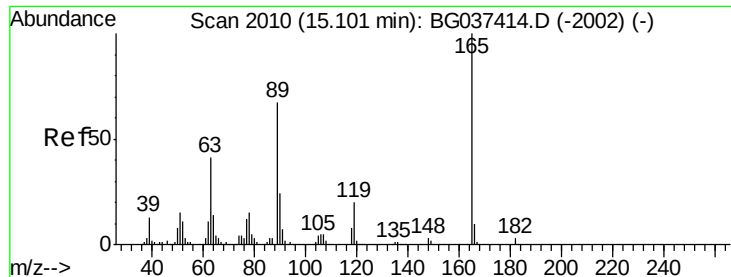
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





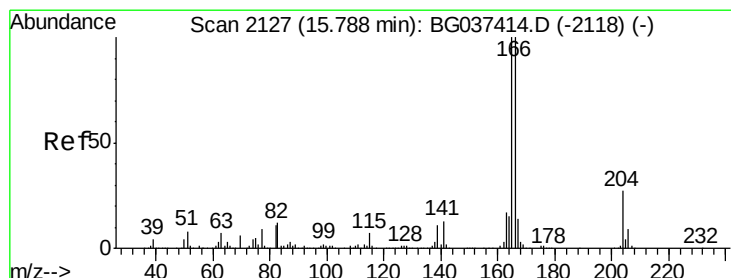
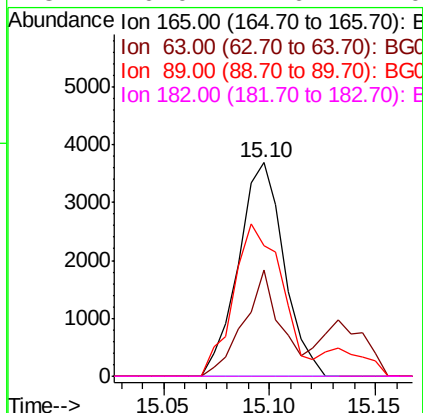
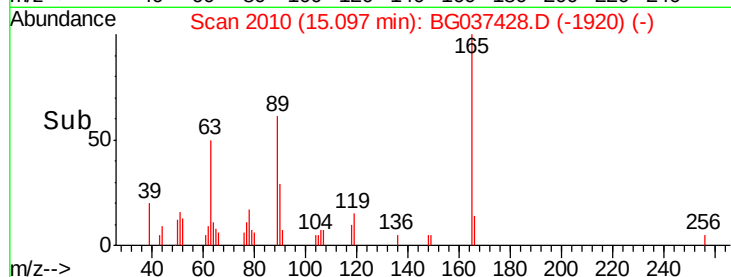
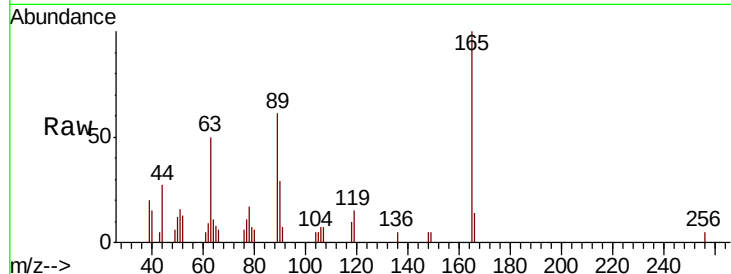
#57
2,4-Dinitrotoluene
Concen: 1.552 ng
RT: 15.10 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	49.7	33.4	50.0
89	60.9	57.2	85.8
182	0.0	2.6	4.0#

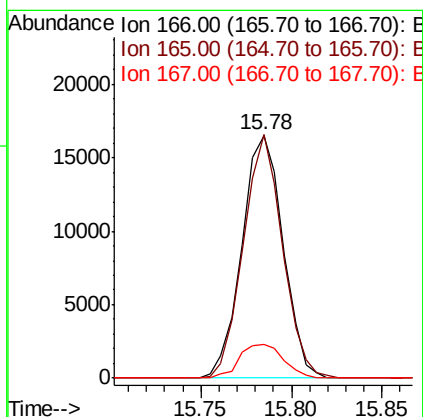
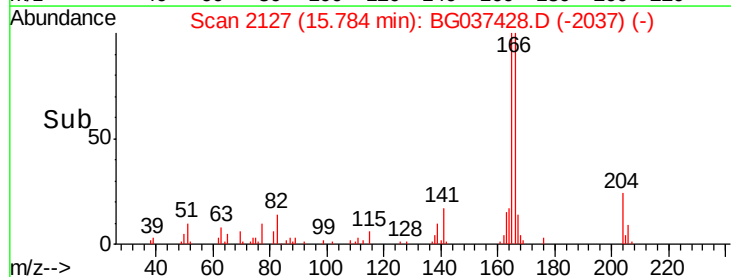
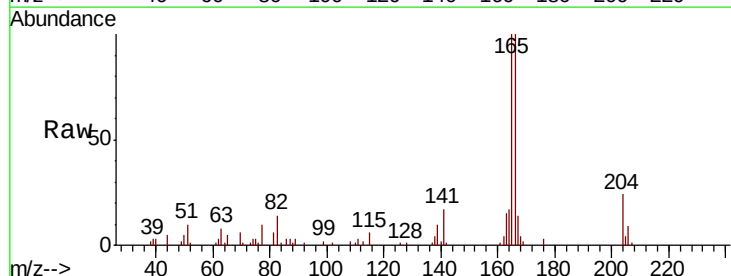
Manual Integrations
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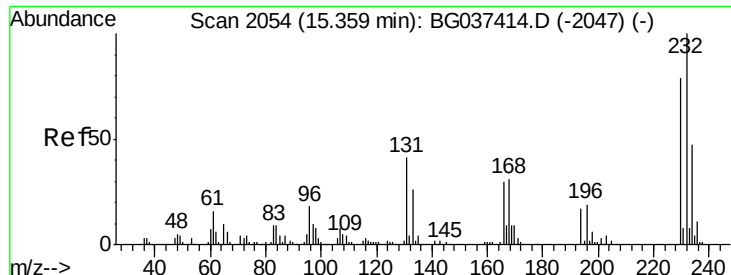
Sohil
10/19/2018 3:57:50 PM



#58
Fluorene
Concen: 2.287 ng
RT: 15.78 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.0	118.6
167	14.1	11.3	16.9





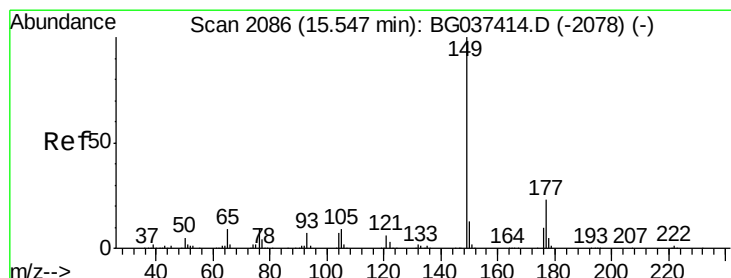
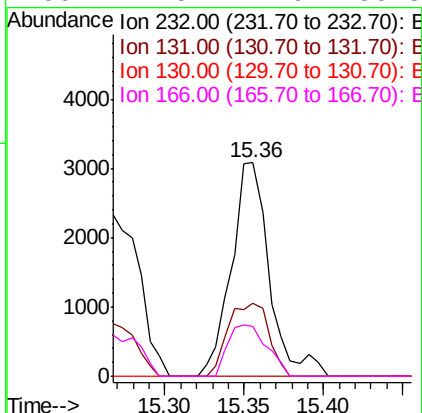
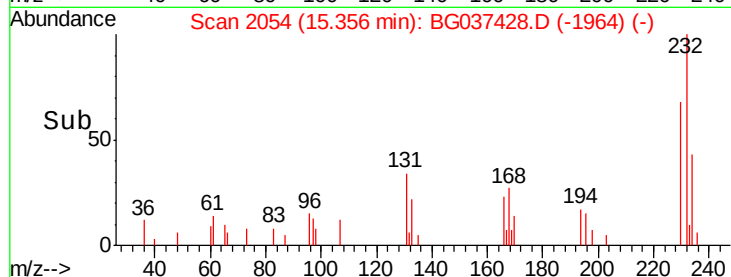
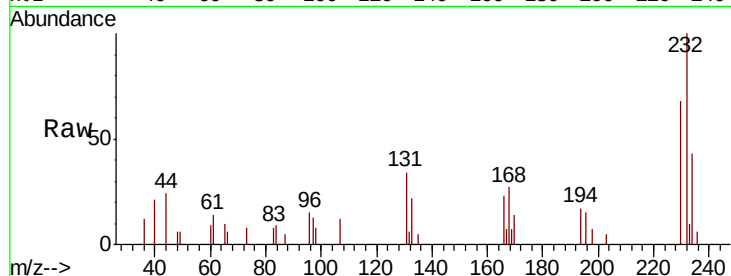
#59
2,3,4,6-Tetrachlorophenol
Concen: 1.615 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	36.5	33.7	50.5
130	0.0	2.1	3.1#
166	24.5	24.6	36.8#

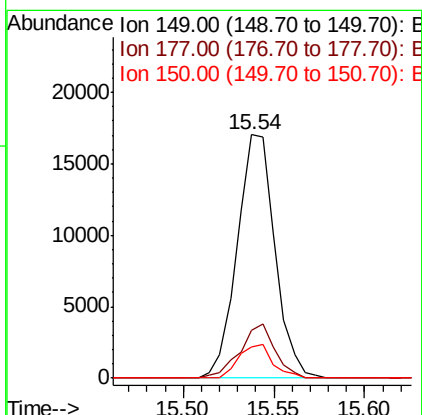
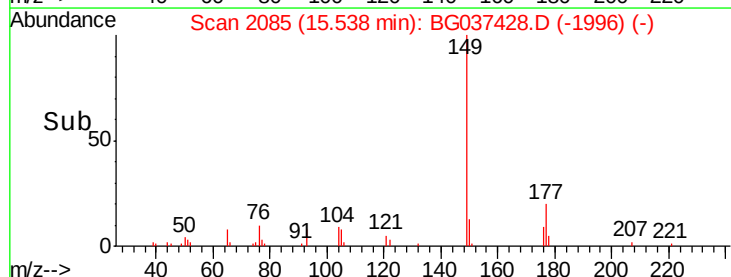
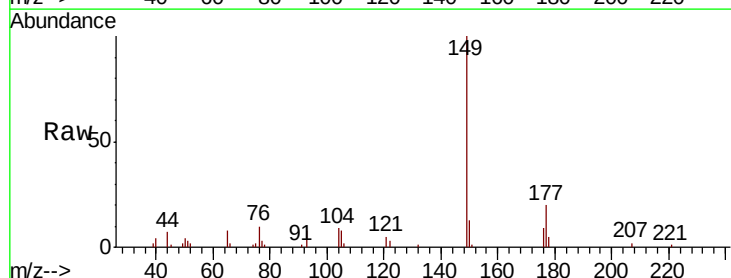
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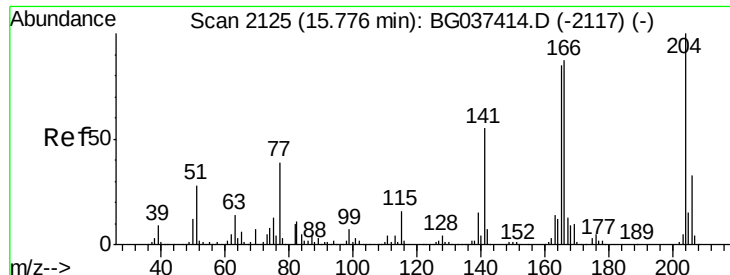
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#60
Diethylphthalate
Concen: 1.959 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.9	18.3	27.5
150	12.8	10.0	15.0





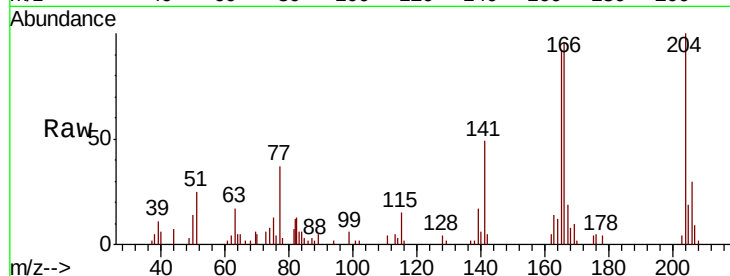
#61
4-Chlorophenyl-phenylether
Concen: 1.954 ng
RT: 15.77 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	29.7	26.6	39.8
141	49.2	45.4	68.2

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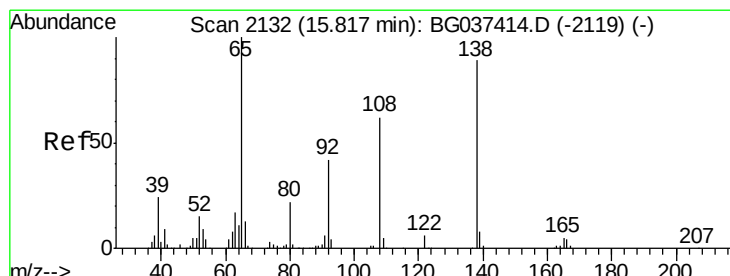
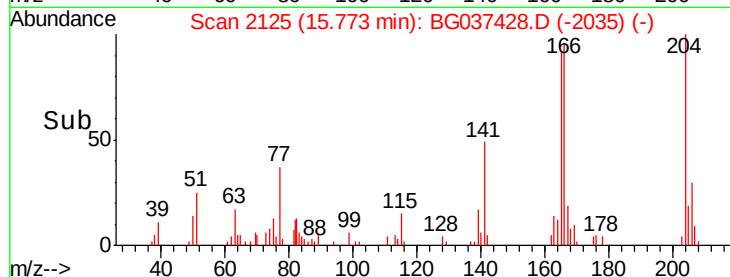
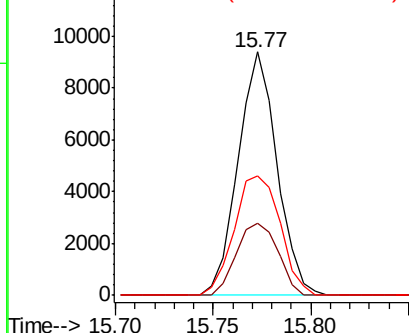


Abundance

Ion 204.00 (203.70 to 204.70): E

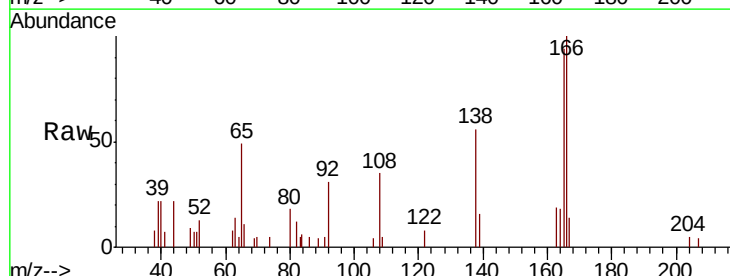
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 1.531 ng
RT: 15.80 min Scan# 2130
Delta R.T. -0.02 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
138	100		
92	55.9	36.4	76.4
108	63.2	60.1	100.1

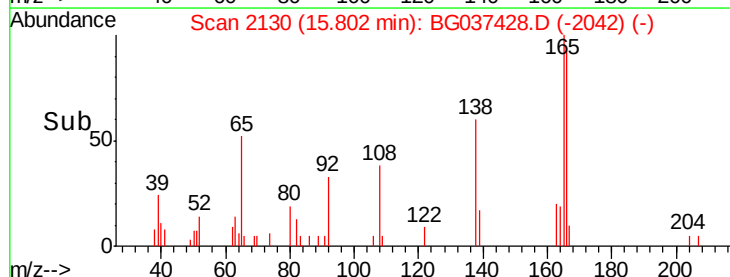
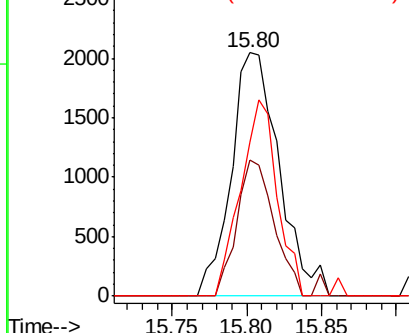


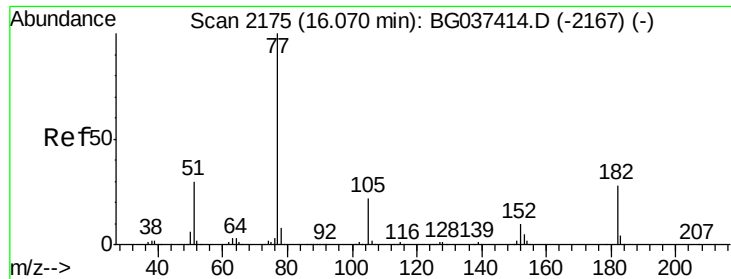
Abundance

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: 1.964 ng

RT: 16.07 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

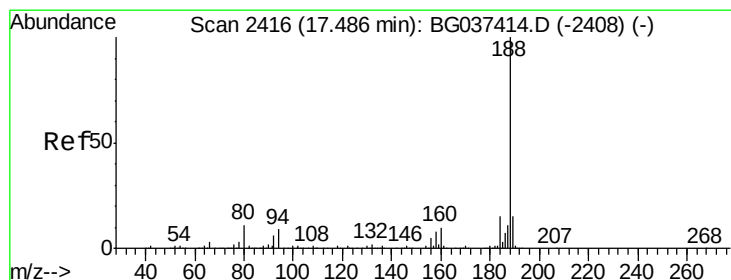
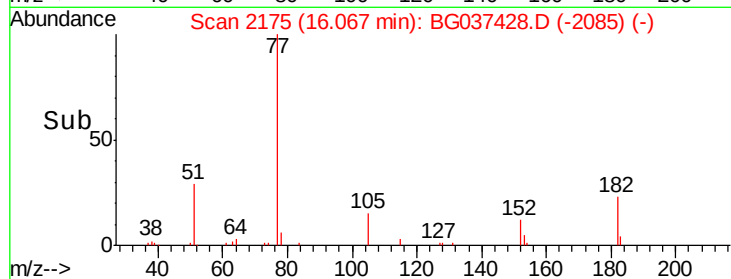
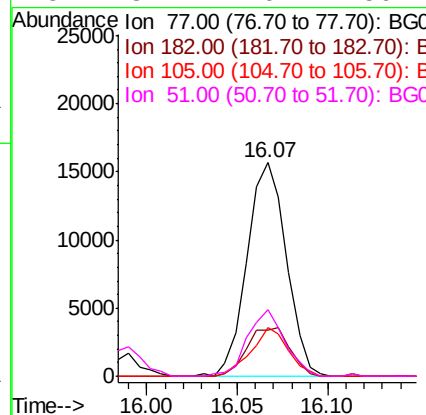
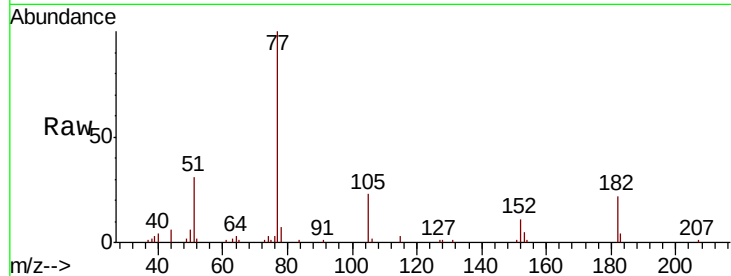
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
77	100		
182	21.8	8.0	48.0
105	23.0	1.3	41.3
51	31.4	10.7	50.7

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#64

Phenanthrene-d10

Concen: 20.000 ng

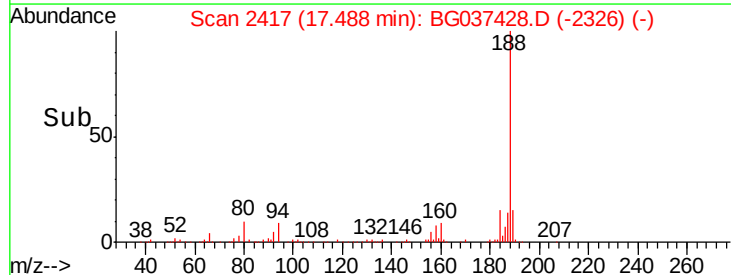
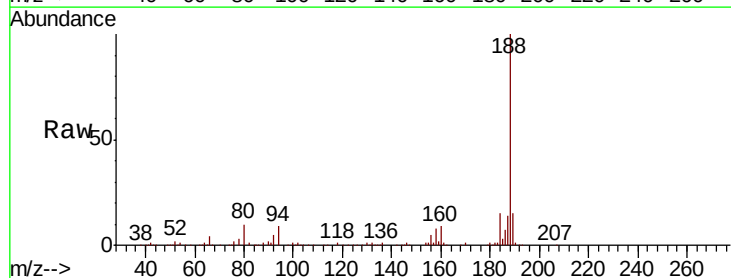
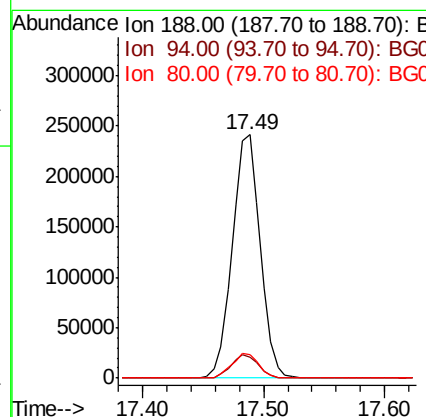
RT: 17.49 min Scan# 2417

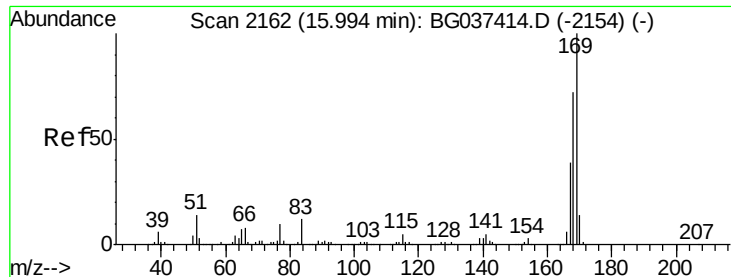
Delta R.T. 0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.2	10.8
80	9.7	7.7	11.5





#66

n-Nitrosodiphenylamine

Concen: 1.865 ng

RT: 15.99 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

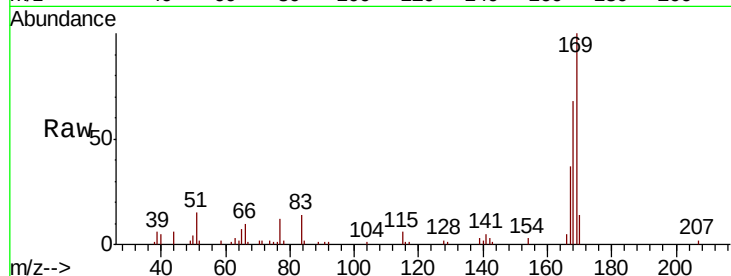
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

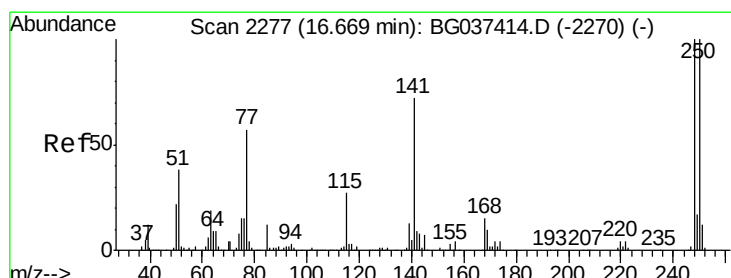
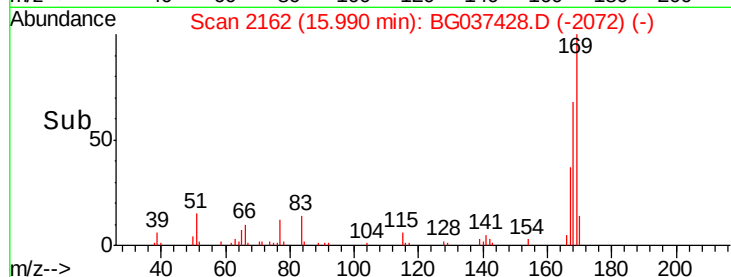
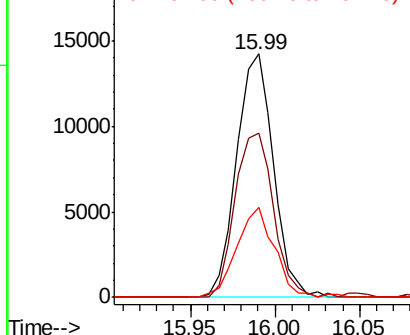
Tot Ion:	169	Resp:	21658
Ion Ratio	Lower	Upper	
169	100		
168	67.5	55.7	83.5
167	36.7	31.3	46.9

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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#67

4-Bromophenyl-phenylether

Concen: 1.809 ng

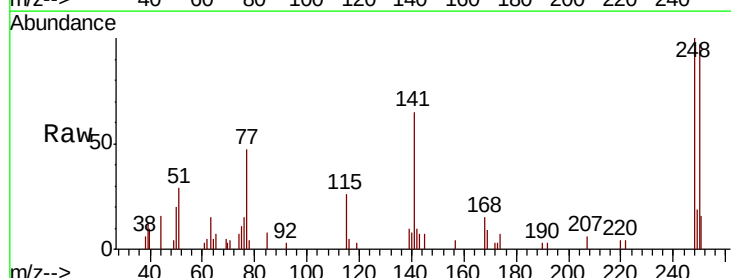
RT: 16.67 min Scan# 2278

Delta R.T. 0.00 min

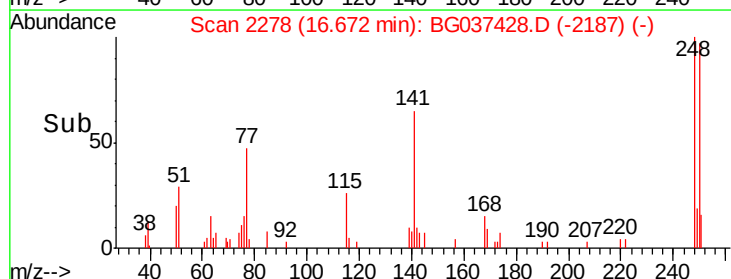
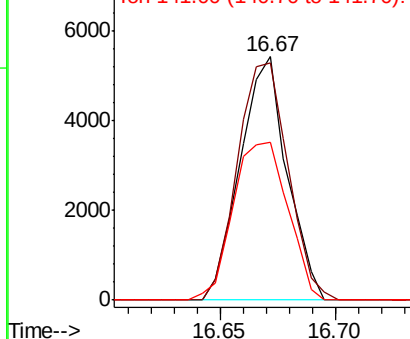
Lab File: BG037428.D

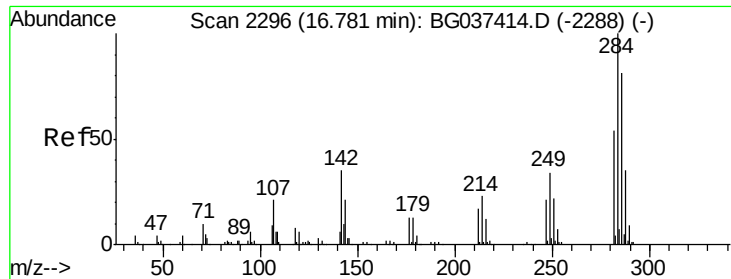
Acq: 18 Oct 2018 20:34

Tgt Ion:	248	Resp:	7669
Ion Ratio	Lower	Upper	
248	100		
250	97.3	77.0	115.6
141	64.7	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





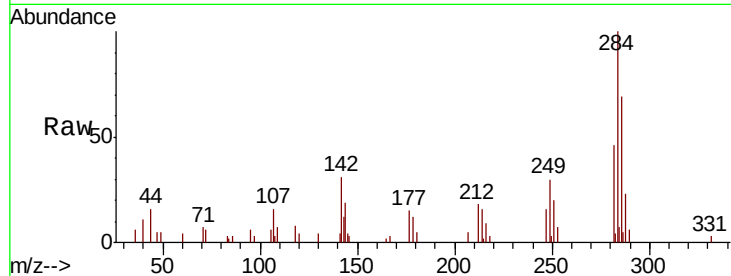
#68
Hexachlorobenzene
Concen: 2.086 ng
RT: 16.78 min Scan# 2296
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

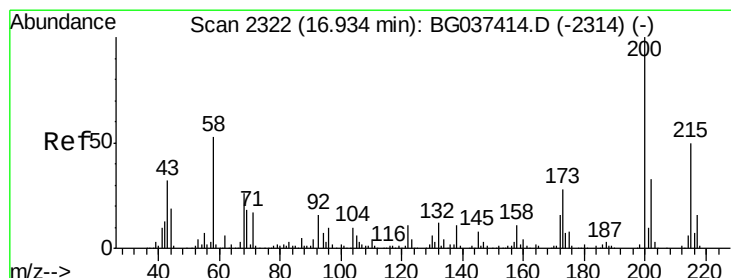
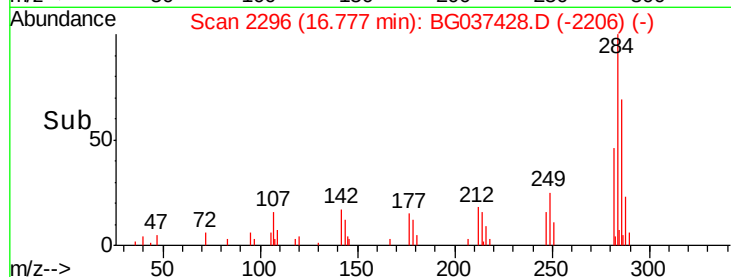
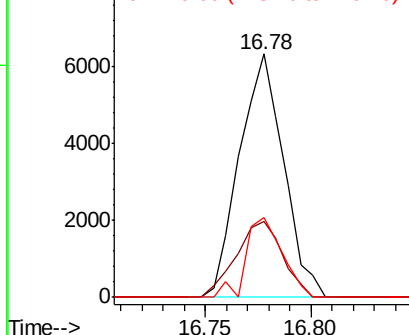
Tot Ion	Ratio	Lower	Upper
284	100		
142	31.1	28.1	42.1
249	32.5	29.8	44.8

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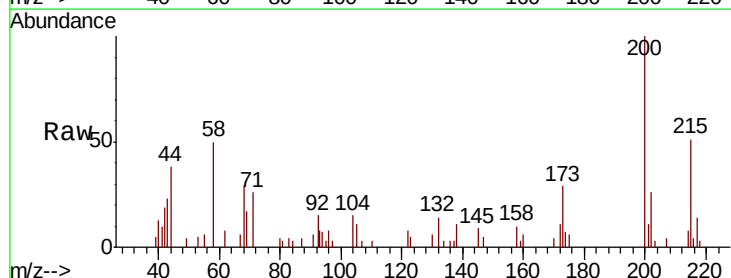


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

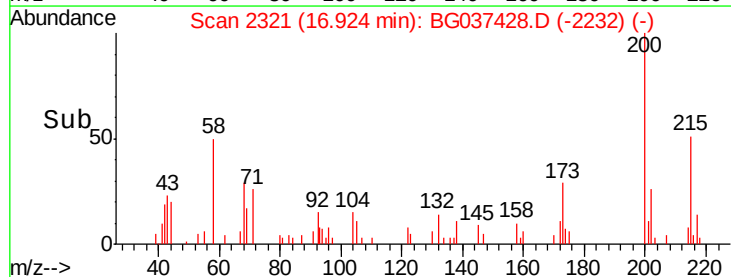
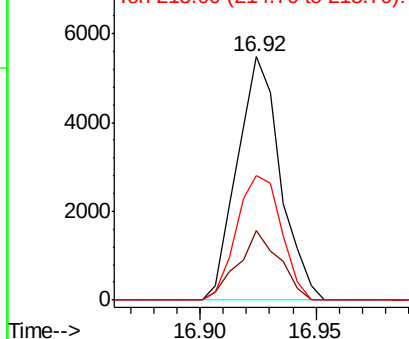


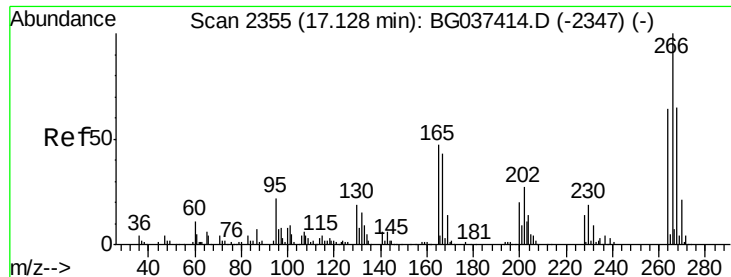
#69
Atrazine
Concen: 1.696 ng
RT: 16.92 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.6	6.1	46.1
215	51.2	30.8	70.8



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





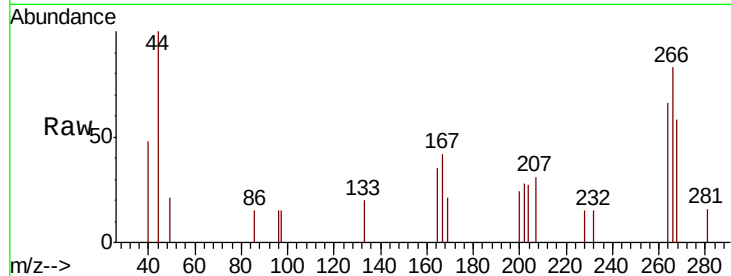
#70
 Pentachlorophenol
 Concen: 0.473 ng
 RT: 17.12 min Scan# 2355
 Delta R.T. -0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

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

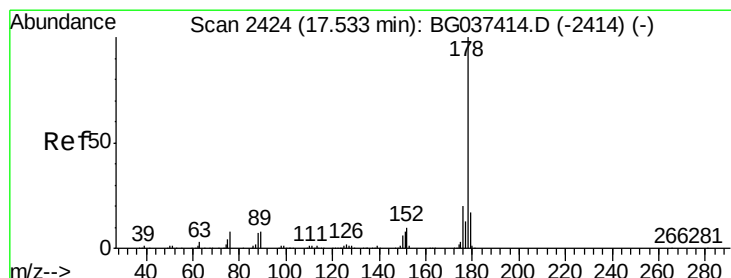
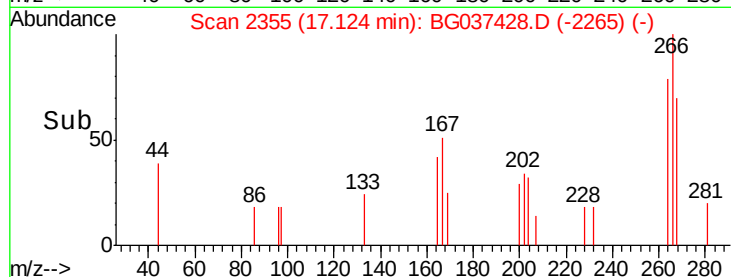
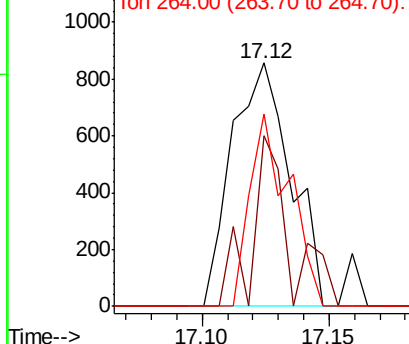
Tot Ion	Ratio	Lower	Upper
266	100		
268	70.1	55.0	82.6
264	79.2	58.9	88.3

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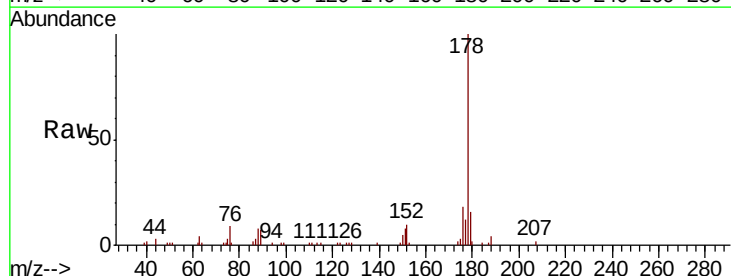


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

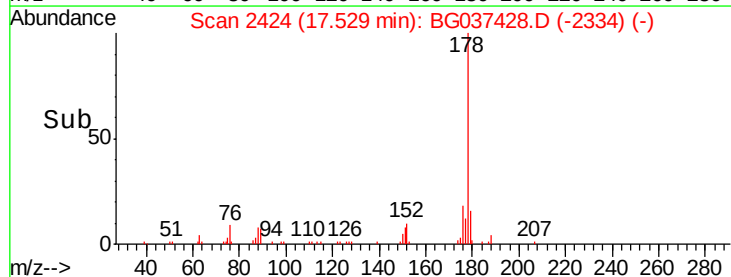
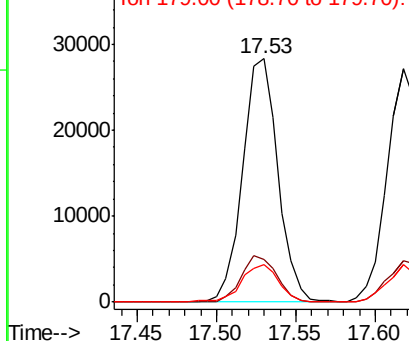


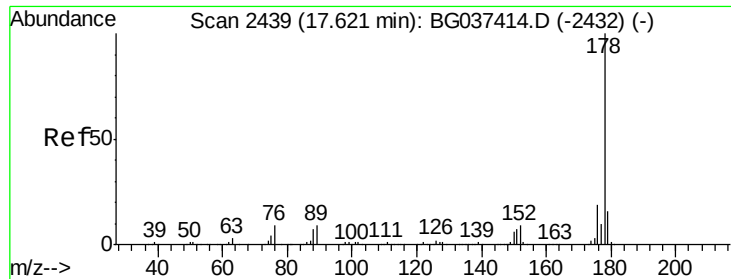
#71
 Phenanthrene
 Concen: 2.232 ng
 RT: 17.53 min Scan# 2424
 Delta R.T. -0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	16.1	24.1
179	15.7	13.0	19.4



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





#72

Anthracene

Concen: 2.199 ng

RT: 17.62 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

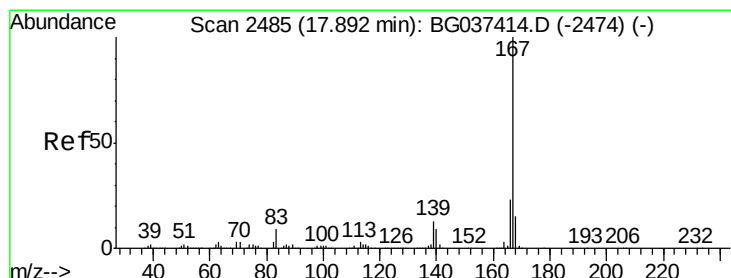
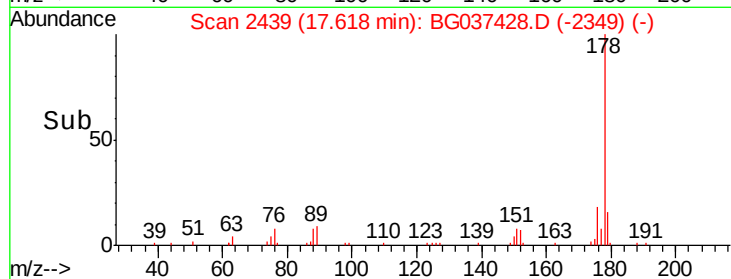
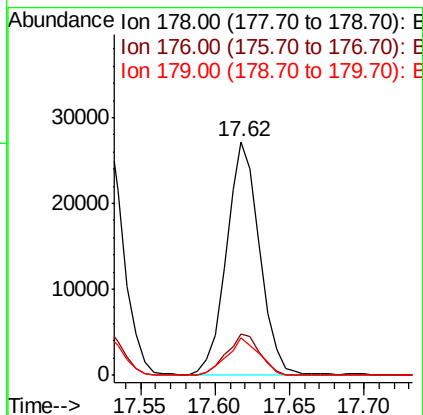
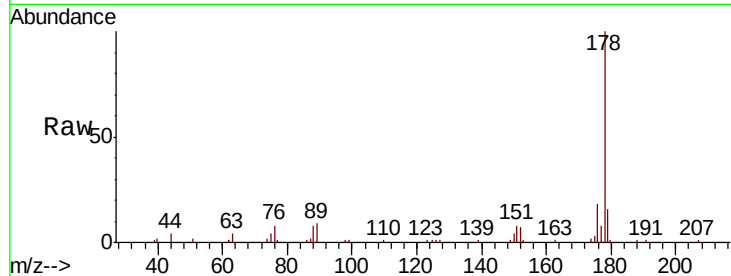
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.0	22.4
179	16.0	12.8	19.2

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#73

Carbazole

Concen: 1.854 ng

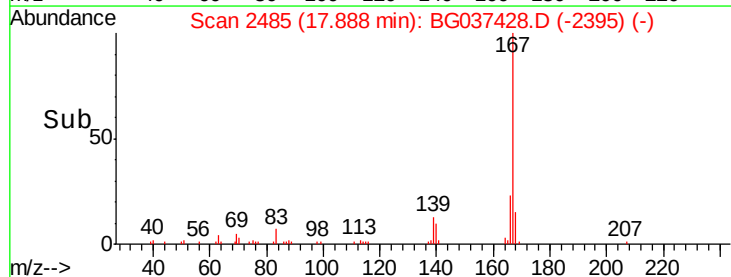
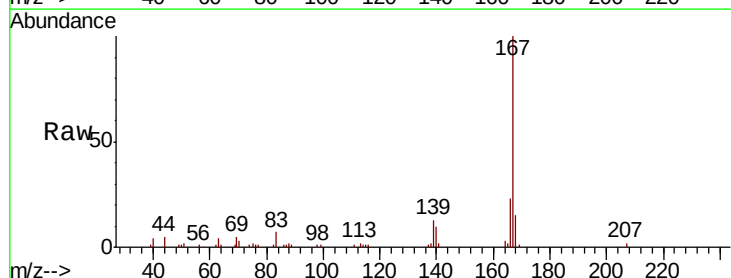
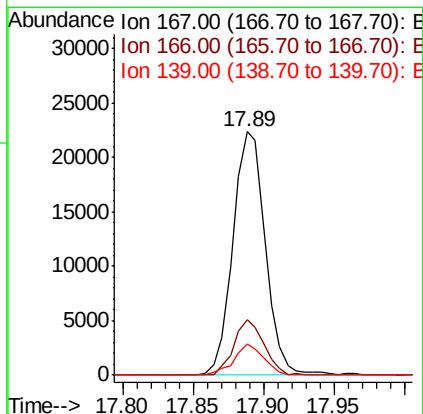
RT: 17.89 min Scan# 2485

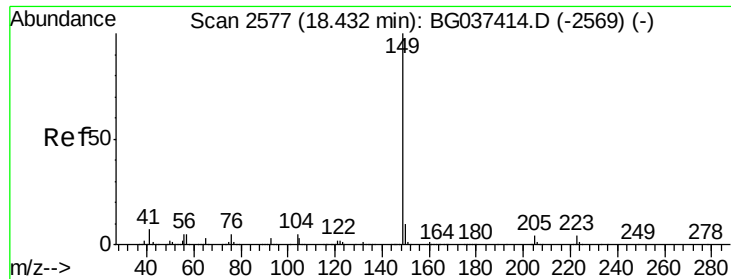
Delta R.T. -0.00 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.3	27.5
139	13.0	10.5	15.7





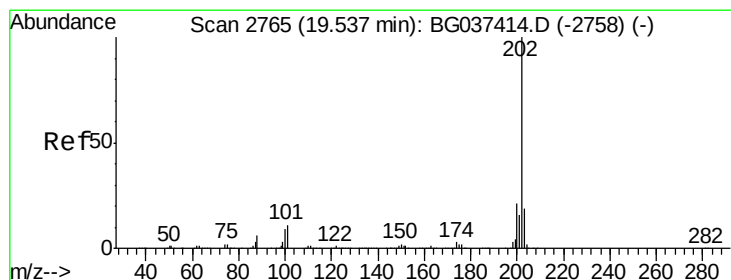
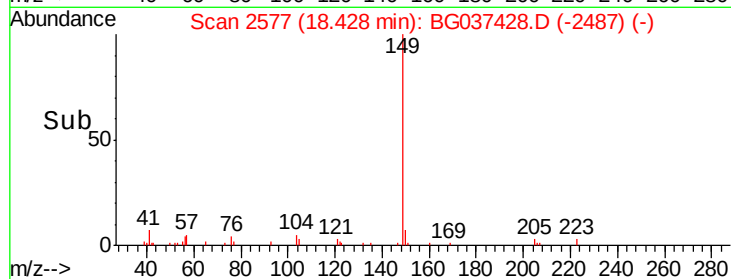
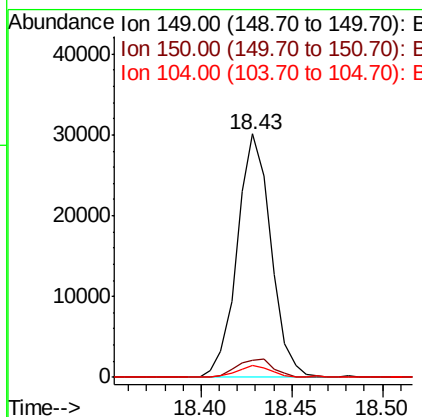
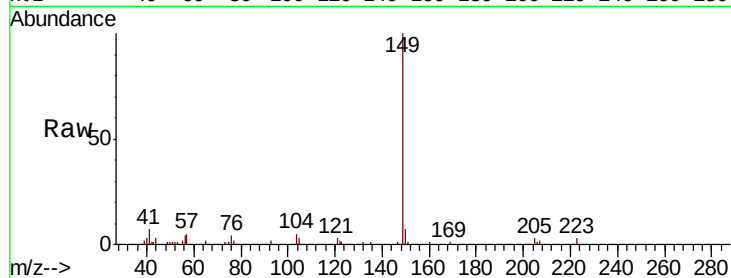
#74
Di-n-butylphthalate
Concen: 1.816 ng
RT: 18.43 min Scan# 2577
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
149	100		
150	7.1	8.2	12.2#
104	4.9	4.0	6.0

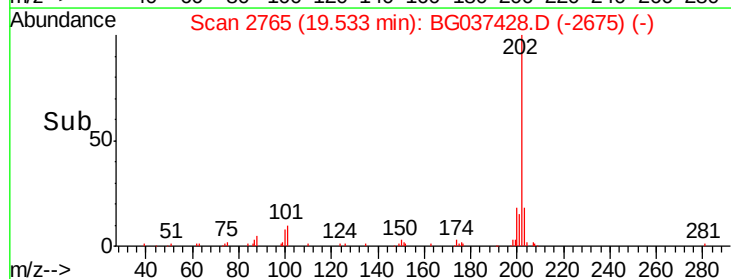
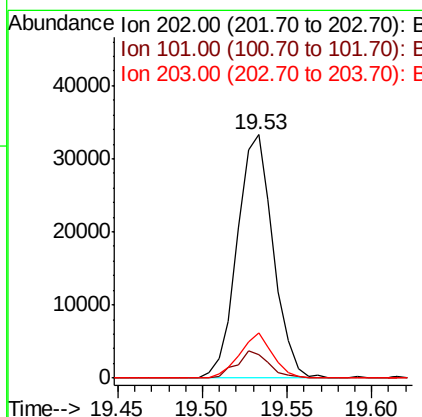
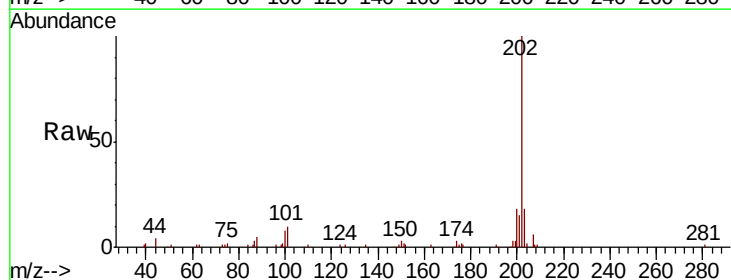
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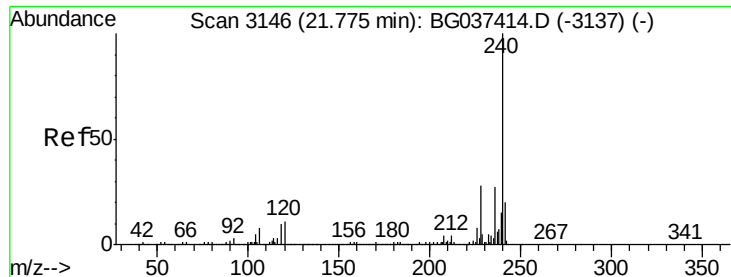
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#75
Fluoranthene
Concen: 2.207 ng
RT: 19.53 min Scan# 2765
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	30.7
203	18.4	0.0	38.5





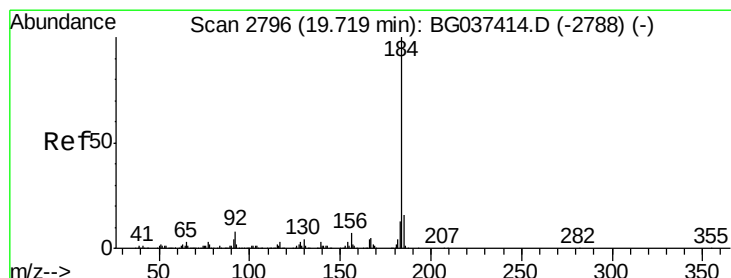
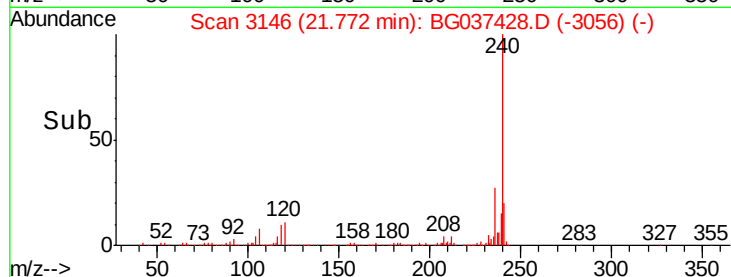
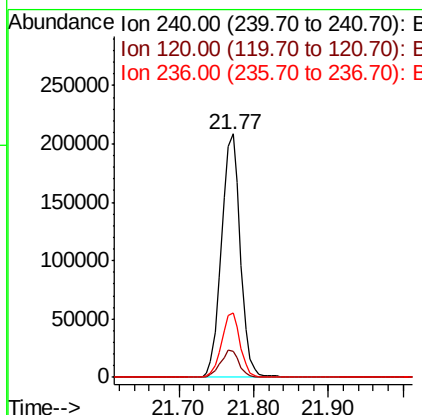
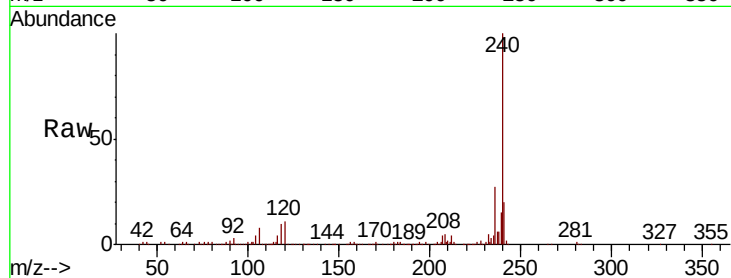
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3146
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.1	12.1
236	26.6	21.4	32.0

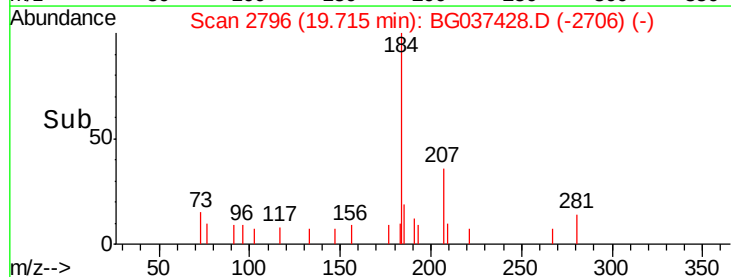
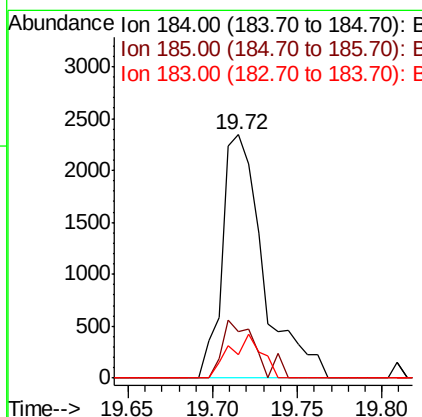
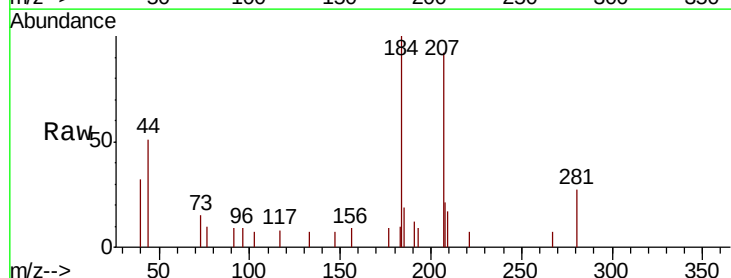
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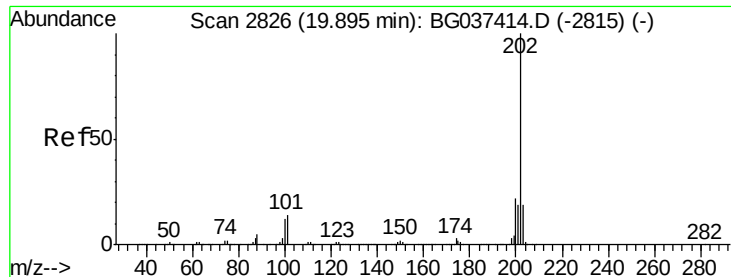
Sohil
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#77
Benzidine
Concen: 0.316 ng
RT: 19.72 min Scan# 2796
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.8	12.6	18.8#
183	9.8	10.2	15.2#





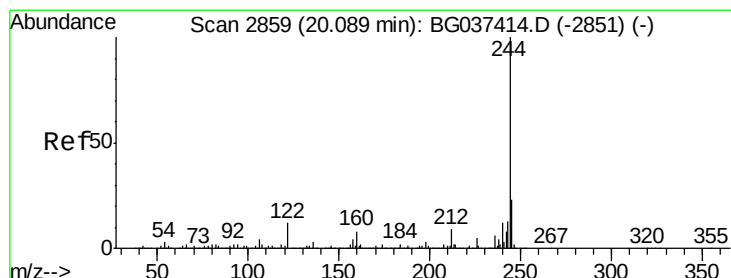
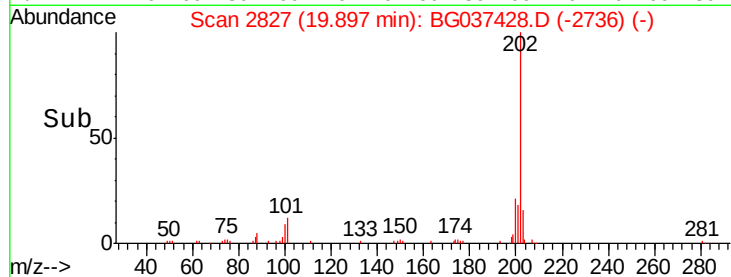
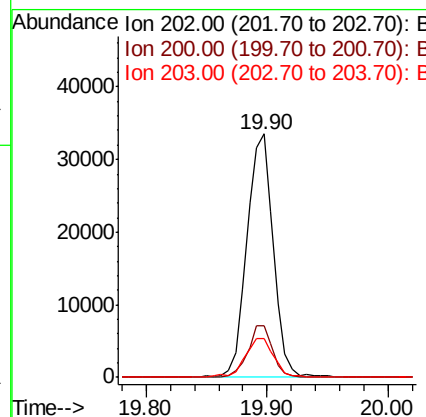
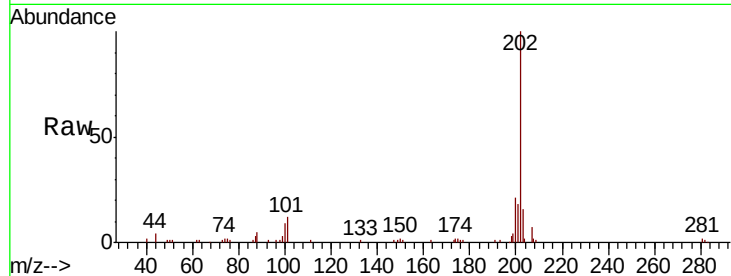
#78
Pvrene
Concen: 2.118 ng
RT: 19.90 min Scan# 2827
Delta R.T. 0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	15.7	15.2	22.8

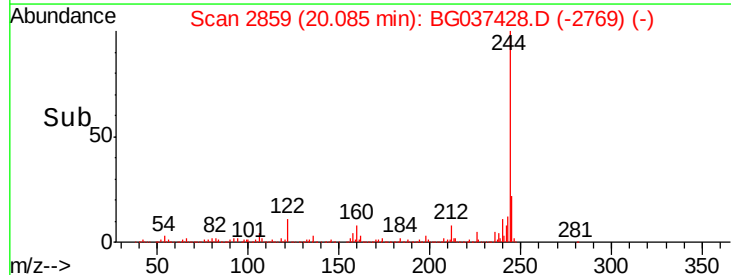
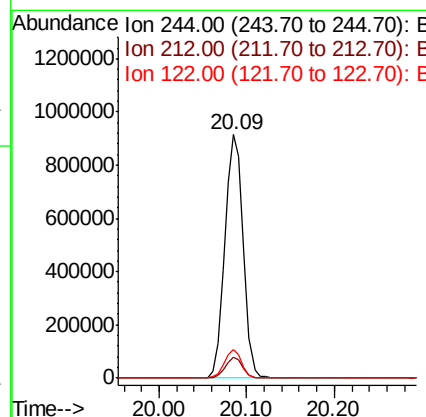
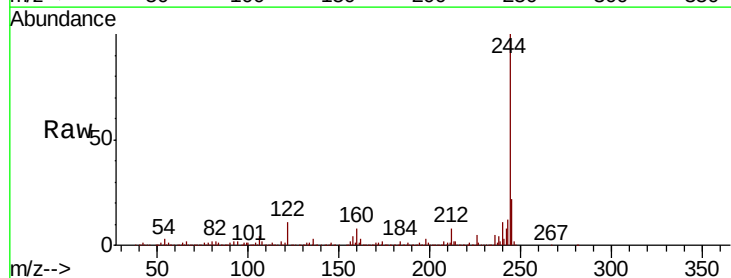
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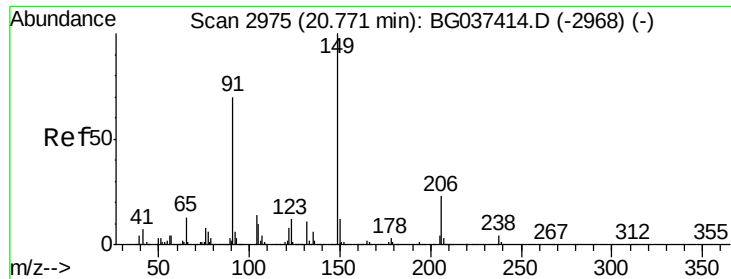
Sohil
10/19/2018 3:57:50 PM



#79
Terphenyl-d14
Concen: 76.833 ng
RT: 20.09 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	11.5	9.0	13.4





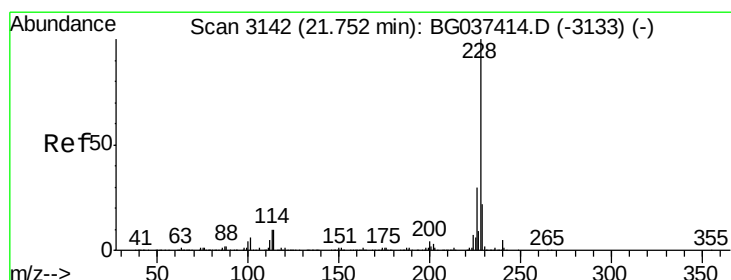
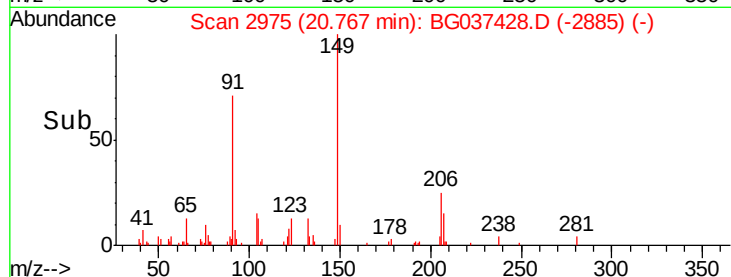
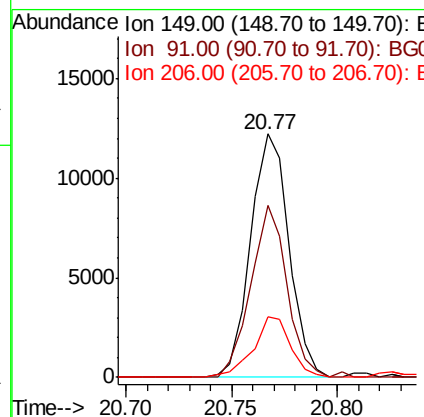
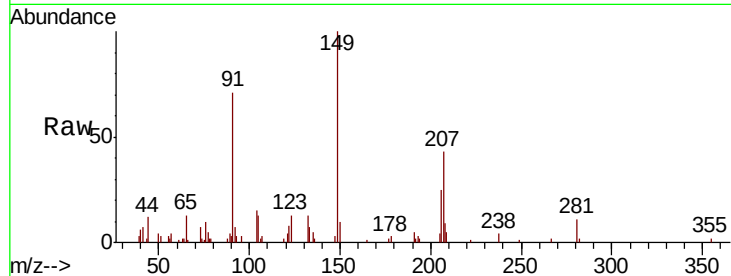
#80
Butylbenzylphthalate
Concen: 1.567 ng
RT: 20.77 min Scan# 2975
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
149	100		
91	70.9	57.0	85.4
206	25.0	17.8	26.6

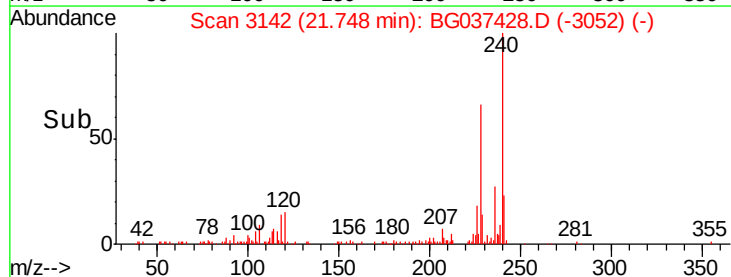
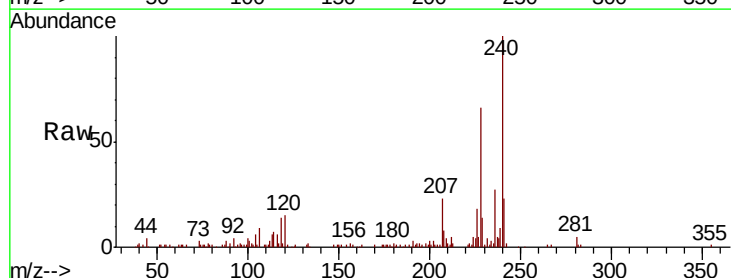
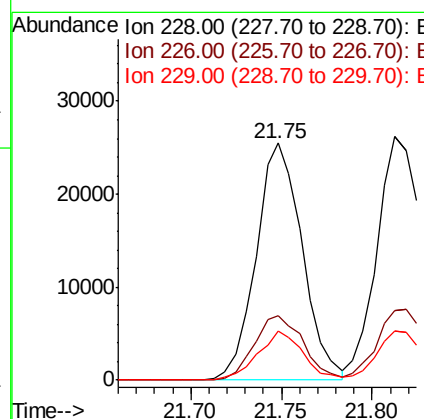
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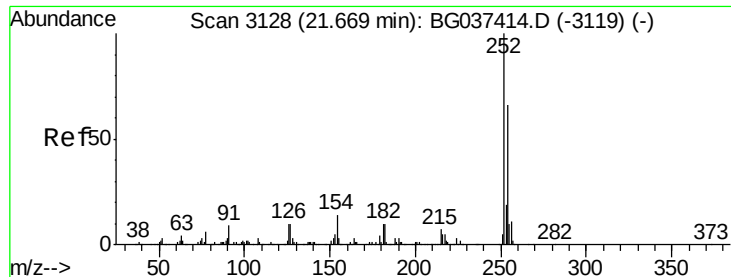
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#81
Benzo(a)anthracene
Concen: 2.066 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	20.8	16.3	24.5





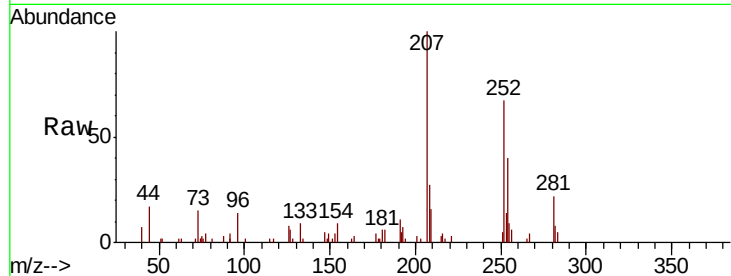
#82
 3,3'-Dichlorobenzidine
 Concen: 1.173 ng
 RT: 21.67 min Scan# 3128
 Delta R.T. -0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
252	100		
254	59.5	52.0	78.0
126	11.5	8.2	12.4

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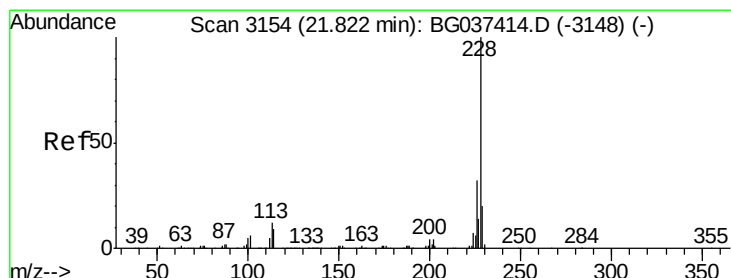
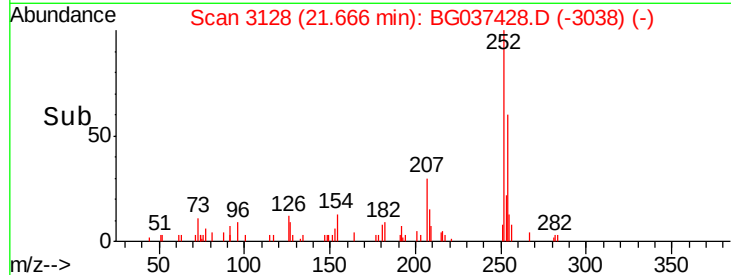
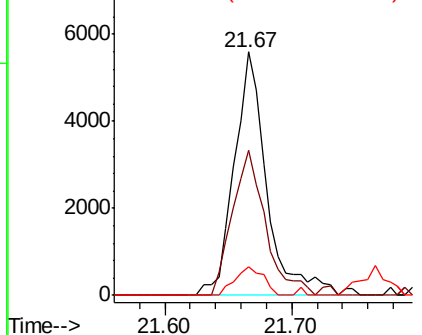


Abundance

Ion 252.00 (251.70 to 252.70): E

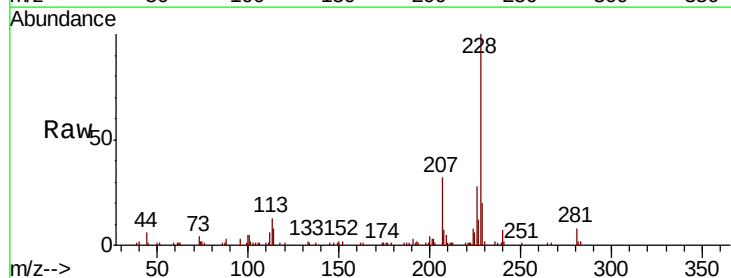
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83
 Chrysene
 Concen: 2.232 ng
 RT: 21.81 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	25.7	38.5
229	20.3	16.5	24.7

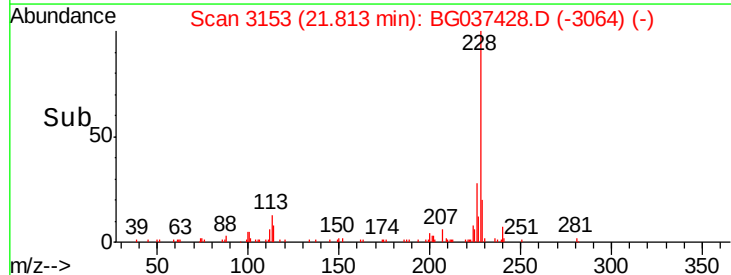
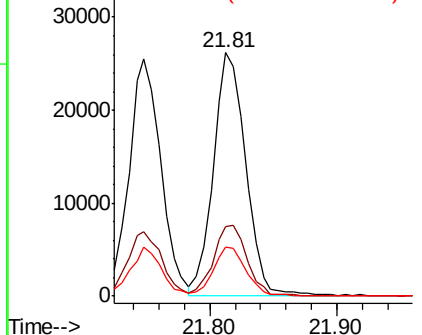


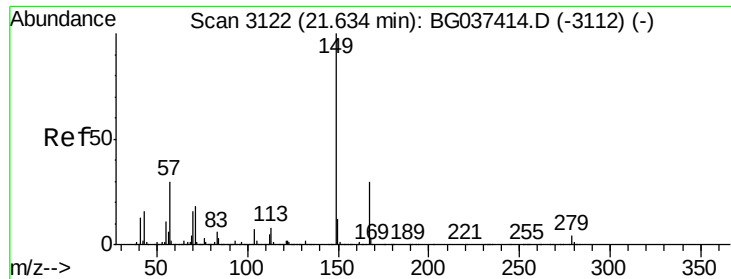
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





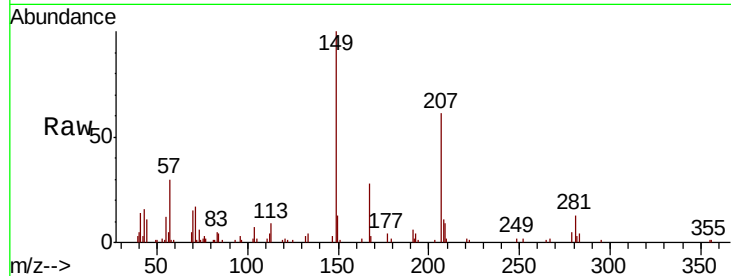
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.608 ng
 RT: 21.63 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.1	23.0	34.4
279	4.8	3.6	5.4

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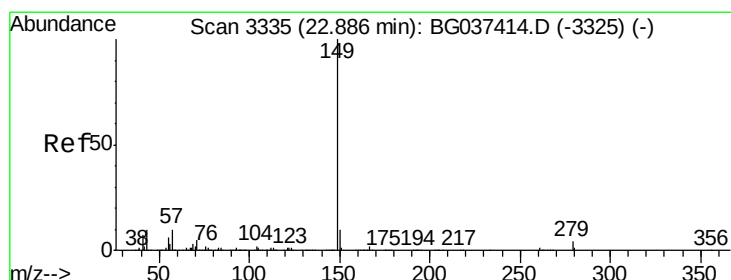
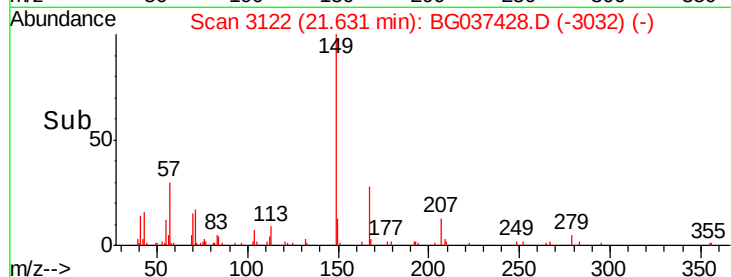
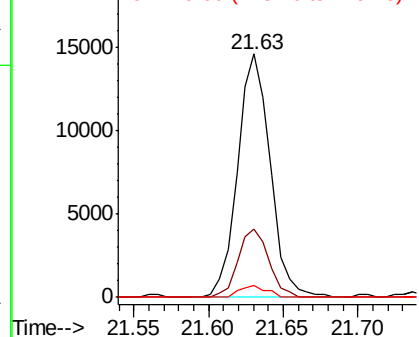


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
 Di-n-octyl phthalate
 Concen: 1.486 ng
 RT: 22.88 min Scan# 3334
 Delta R.T. -0.01 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

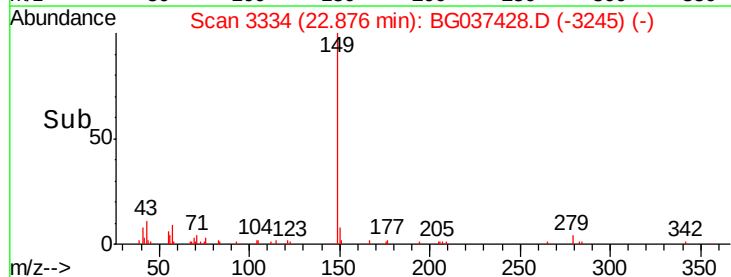
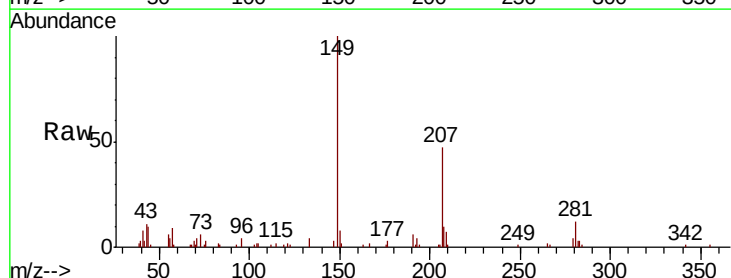
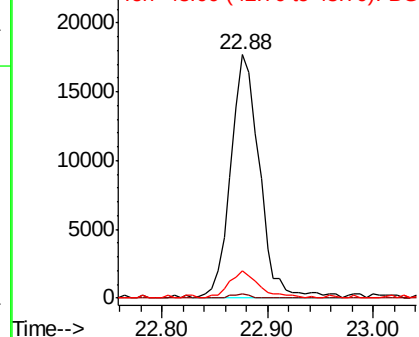
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.0	1.3	1.9#
43	11.9	8.7	13.1

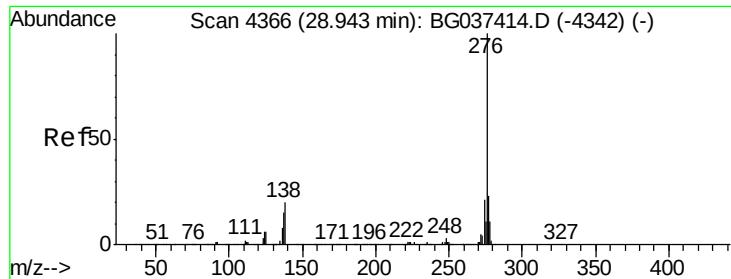
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC





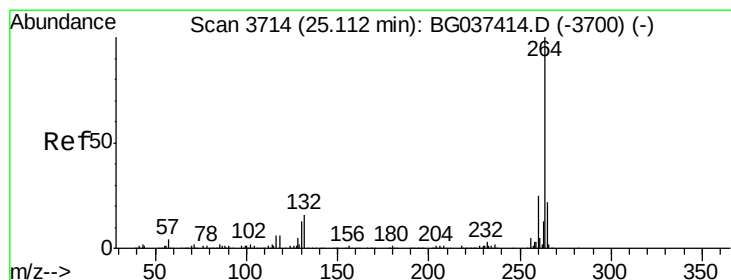
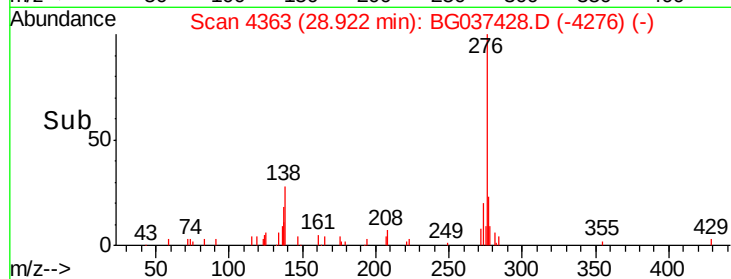
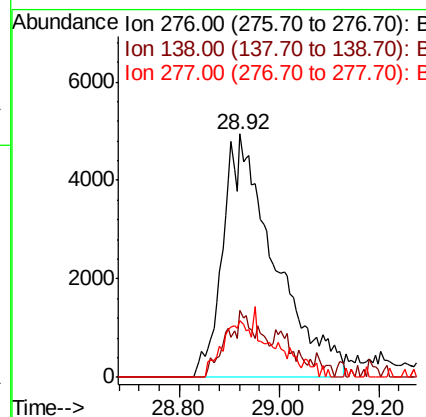
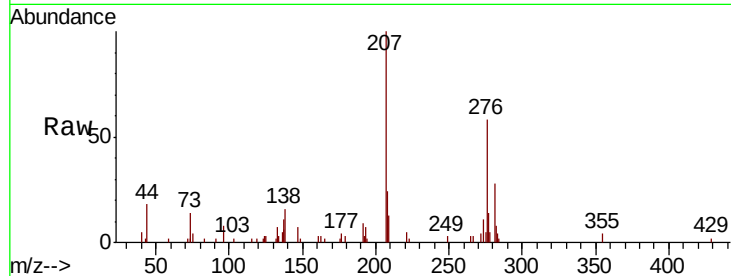
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 1.591 ng
 RT: 28.92 min Scan# 4363
 Delta R.T. -0.02 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.0	12.0	18.0#
277	0.0	20.6	30.8#

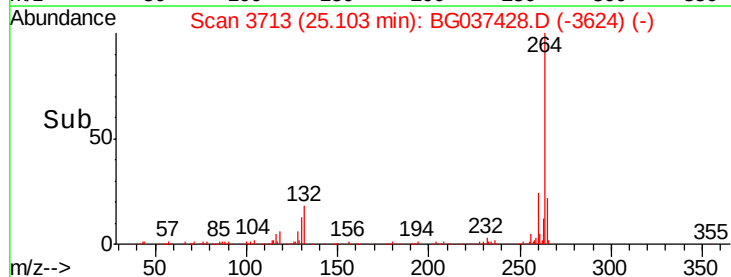
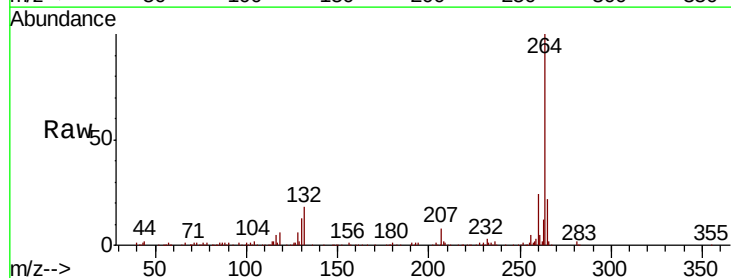
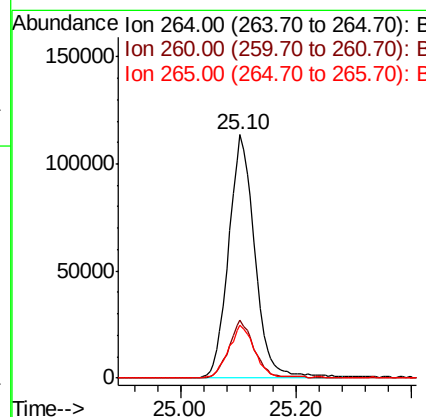
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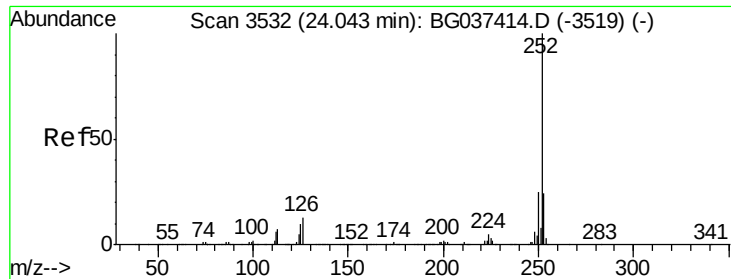
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 10/19/2018 3:57:50 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.10 min Scan# 3713
 Delta R.T. -0.01 min
 Lab File: BG037428.D
 Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.4
265	21.9	17.9	26.9





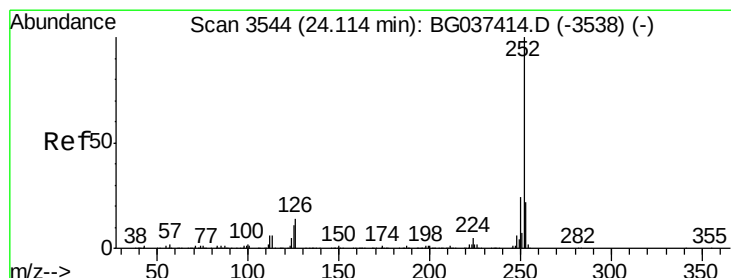
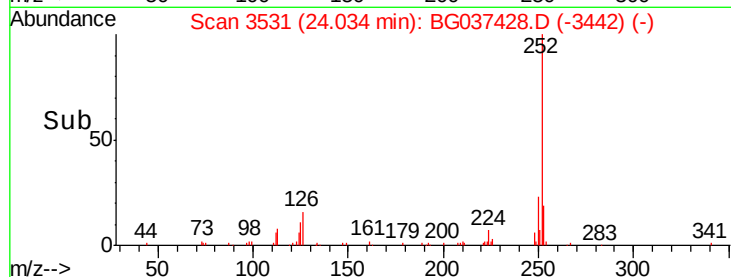
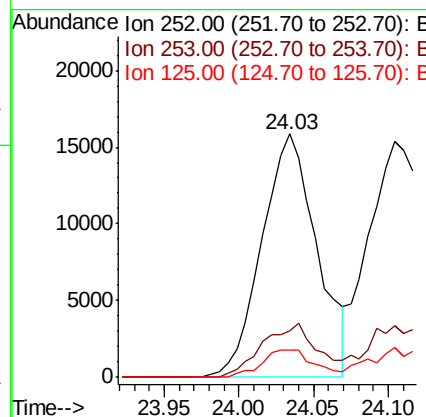
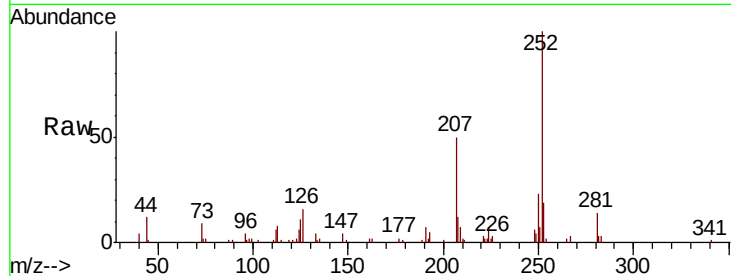
#88
Benzo(b)fluoranthene
Concen: 2.072 ng
RT: 24.03 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	18.9	18.2	27.2
125	11.4	7.8	11.6

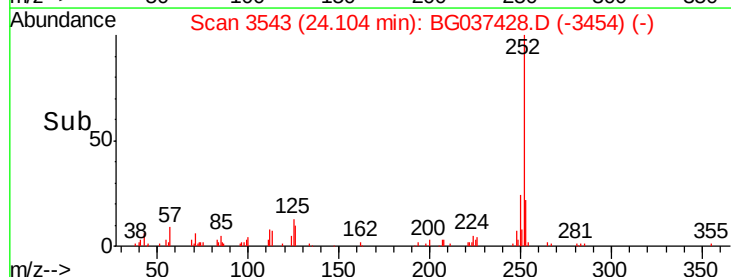
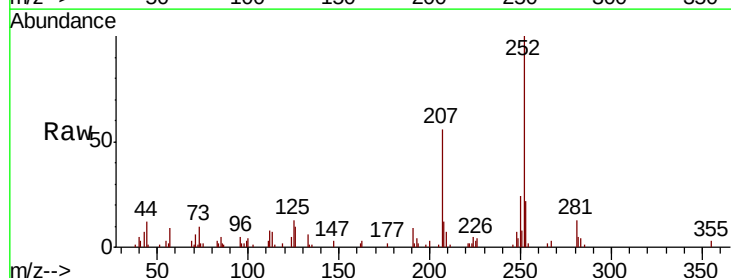
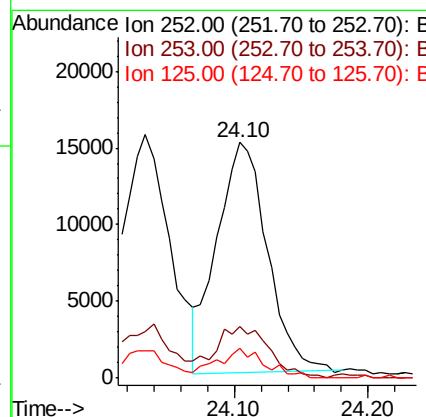
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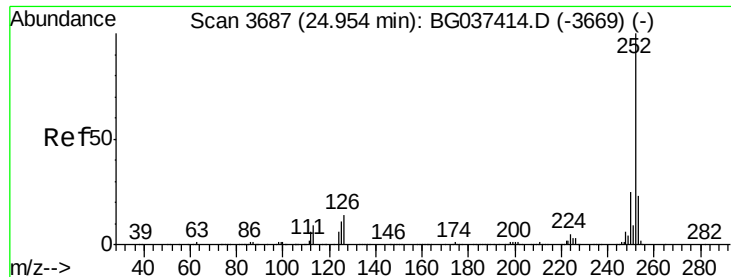
Sohil
10/19/2018 3:57:50 PM



#89
Benzo(k)fluoranthene
Concen: 2.061 ng
RT: 24.10 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	12.8	7.4	11.0#





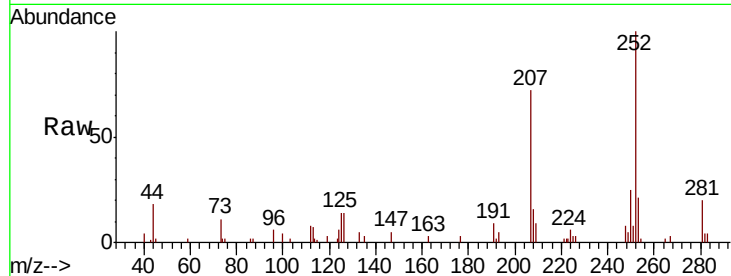
#90
Benzo(a)pyrene
Concen: 1.979 ng
RT: 24.93 min Scan# 3684
Delta R.T. -0.02 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	14.0	9.0	13.6

Manual Integrations
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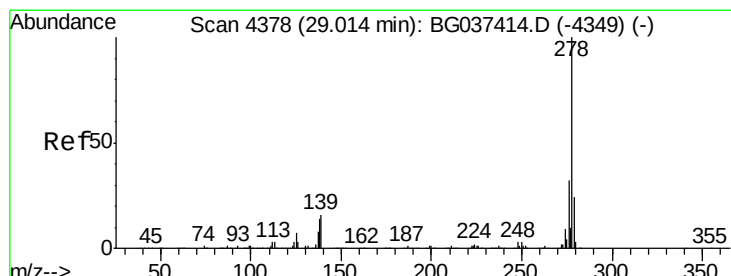
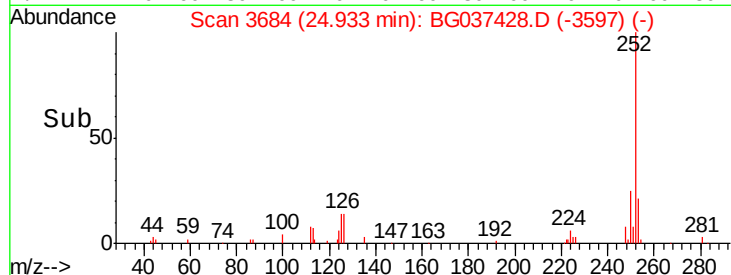
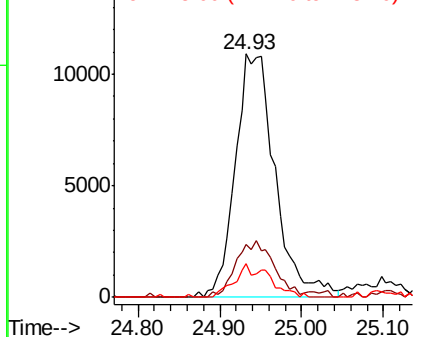


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Dibenzo(a,h)anthracene
Concen: 1.550 ng
RT: 29.00 min Scan# 4377
Delta R.T. -0.01 min
Lab File: BG037428.D
Acq: 18 Oct 2018 20:34

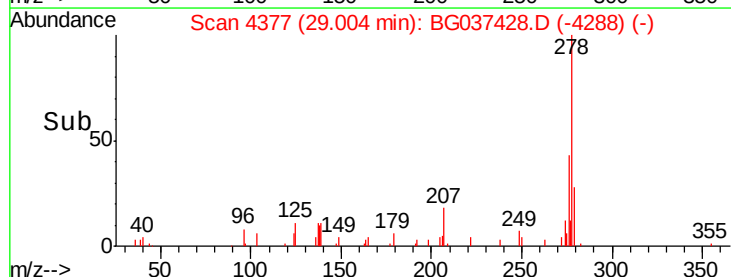
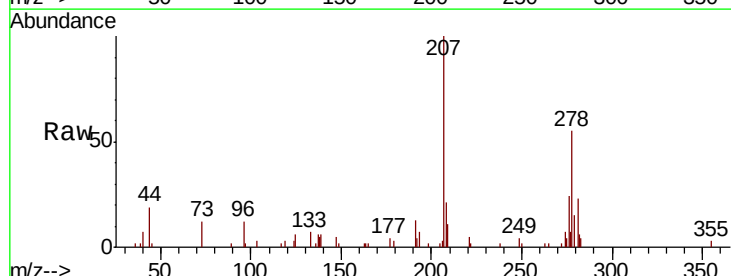
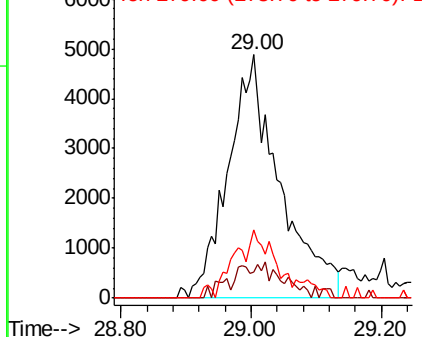
Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.8	11.5	17.3
279	27.9	18.6	27.8

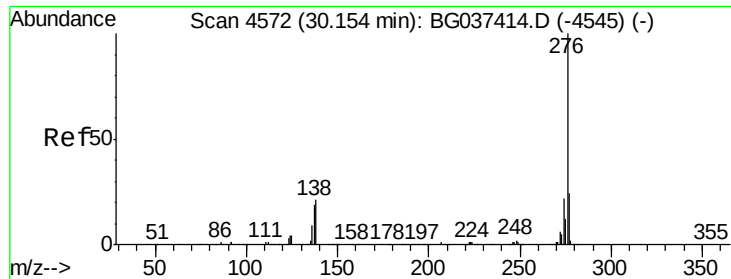
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 1.874 ng m

RT: 30.13 min Scan# 4569

Delta R.T. -0.02 min

Lab File: BG037428.D

Acq: 18 Oct 2018 20:34

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	18.9	28.3
138	34.0	17.2	25.8

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