

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037455.D
 Acq On : 19 Oct 2018 15:57
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 5PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 10/22/2018 3:39:15 PM

Quant Time: Oct 20 01:24:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	51820	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	240998	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	162075	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	390386	20.00	ng	0.00
76) Chrysene-d12	21.77	240	355493	20.00	ng	0.00
87) Perylene-d12	25.11	264	357626	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	439632	141.84	ng	0.00
7) Phenol-d6	7.25	99	644306	137.47	ng	0.00
23) Nitrobenzene-d5	9.28	82	362106	84.17	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	238874	135.13	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	869024	80.85	ng	0.00
79) Terphenyl-d14	20.09	244	1302144	78.27	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.54	88	7310	4.651	ng	# 92
3) Pyridine	3.95	79	19790	4.995	ng	# 82
4) n-Nitrosodimethylamine	3.86	42	8219	5.824	ng	# 88
6) Aniline	7.43	93	19232	3.364	ng	94
8) 2-Chlorophenol	7.67	128	18319	5.052	ng	93
9) Benzaldehyde	7.25	77	14170	4.833	ng	95
10) Phenol	7.28	94	25747	5.206	ng	92
11) bis(2-Chloroethyl)ether	7.52	93	18212	4.849	ng	96
12) 1,3-Dichlorobenzene	7.99	146	20801	5.153	ng	96
13) 1,4-Dichlorobenzene	8.14	146	20716	5.017	ng	99
14) 1,2-Dichlorobenzene	8.46	146	20138	5.070	ng	93
15) Benzyl Alcohol	8.34	79	16417	4.740	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.62	45	34944	5.200	ng	97
17) 2-Methylphenol	8.54	107	16384	5.011	ng	# 94
18) Hexachloroethane	9.19	117	7080	5.029	ng	95
19) n-Nitroso-di-n-propylamine	8.91	70	14551	4.508	ng	# 94
20) 3+4-Methylphenols	8.86	107	22287	4.768	ng	97
22) Acetophenone	8.93	105	30331	5.018	ng	# 94
24) Nitrobenzene	9.33	77	23497	5.258	ng	# 93
25) Isophorone	9.85	82	41685	5.303	ng	95
26) 2-Nitrophenol	10.04	139	9161	4.550	ng	89
27) 2,4-Dimethylphenol	10.07	122	19306	5.371	ng	95
28) bis(2-Chloroethoxy)methane	10.33	93	27588	5.357	ng	# 94
29) 2,4-Dichlorophenol	10.56	162	18013	4.500	ng	98
30) 1,2,4-Trichlorobenzene	10.79	180	21811	5.011	ng	99
31) Naphthalene	10.98	128	66136	5.587	ng	99
32) Benzoic acid	10.12	122	4125	1.767	ng	# 83
33) 4-Chloroaniline	11.09	127	18430	3.314	ng	98
34) Hexachlorobutadiene	11.24	225	12382	4.800	ng	89
35) Caprolactam	11.85	113	5939	3.700	ng	# 84
36) 4-Chloro-3-methylphenol	12.18	107	20687	4.583	ng	97
37) 2-Methylnaphthalene	12.58	142	49386	5.723	ng	96
38) 1-Methylnaphthalene	12.79	142	46871	5.593	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	25081	4.798	ng	98

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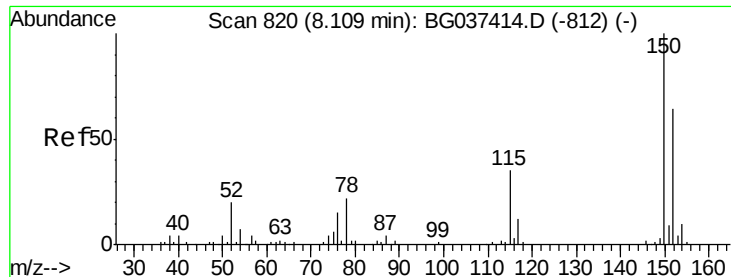
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	12497	5.004	ng	97
43) 2,4,6-Trichlorophenol	13.17	196	14749	4.223	ng	98
44) 2,4,5-Trichlorophenol	13.24	196	17721	4.660	ng	96
46) 1,1'-Biphenyl	13.58	154	64836	4.830	ng	97
47) 2-Chloronaphthalene	13.62	162	50607	4.984	ng	98
48) 2-Nitroaniline	13.83	65	13472	4.375	ng	94
49) Acenaphthylene	14.46	152	83435	5.462	ng	99
50) Dimethylphthalate	14.19	163	66294	5.287	ng	98
51) 2,6-Dinitrotoluene	14.32	165	12388	4.466	ng	94
52) Acenaphthene	14.80	154	48578	5.164	ng	95
53) 3-Nitroaniline	14.65	138	11494	3.733	ng	# 97
54) 2,4-Dinitrophenol	14.85	184	606	7.064	ng	# 58
55) Dibenzofuran	15.14	168	83147	5.334	ng	96
56) 4-Nitrophenol	14.93	139	6584	2.889	ng	92
57) 2,4-Dinitrotoluene	15.10	165	15913	4.370	ng	97
58) Fluorene	15.79	166	65878	5.644	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.35	232	14782	4.540	ng	98
60) Diethylphthalate	15.54	149	67472	5.242	ng	97
61) 4-Chlorophenyl-phenylether	15.77	204	34668	5.096	ng	98
62) 4-Nitroaniline	15.81	138	13113	4.286	ng	89
63) Azobenzene	16.07	77	64808	5.277	ng	95
65) 4,6-Dinitro-2-methylphenol	15.85	198	3125	9.763	ng	95
66) n-Nitrosodiphenylamine	15.99	169	58249	4.960	ng	97
67) 4-Bromophenyl-phenylether	16.67	248	19404	4.526	ng	92
68) Hexachlorobenzene	16.78	284	21227	4.777	ng	99
69) Atrazine	16.93	200	20078	4.729	ng	97
70) Pentachlorophenol	17.12	266	6279	2.110	ng	94
71) Phenanthrene	17.52	178	113496	5.720	ng	96
72) Anthracene	17.62	178	109918	5.645	ng	98
73) Carbazole	17.89	167	95289	4.892	ng	98
74) Di-n-butylphthalate	18.43	149	105443	4.867	ng	# 96
75) Fluoranthene	19.53	202	125788	5.590	ng	97
77) Benzidine	19.72	184	12899	1.067	ng	98
78) Pyrene	19.89	202	127723	5.496	ng	96
80) Butylbenzylphthalate	20.77	149	41113	4.323	ng	92
81) Benzo(a)anthracene	21.75	228	117106	5.569	ng	98
82) 3,3'-Dichlorobenzidine	21.67	252	24693	3.030	ng	# 93
83) Chrysene	21.82	228	110802	5.480	ng	98
84) Bis(2-ethylhexyl)phthalate	21.63	149	59310	4.449	ng	96
85) Di-n-octyl phthalate	22.88	149	93591	4.305	ng	99
86) Indeno(1,2,3-cd)pyrene	28.93	276	91430	4.216	ng	# 76
88) Benzo(b)fluoranthene	24.03	252	103994	5.304	ng	99
89) Benzo(k)fluoranthene	24.10	252	108259m	5.636	ng	
90) Benzo(a)pyrene	24.95	252	96092	5.158	ng	97
91) Dibenzo(a,h)anthracene	28.99	278	70020	4.074	ng	95
92) Benzo(g,h,i)perylene	30.13	276	78808	4.533	ng	98

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



#1

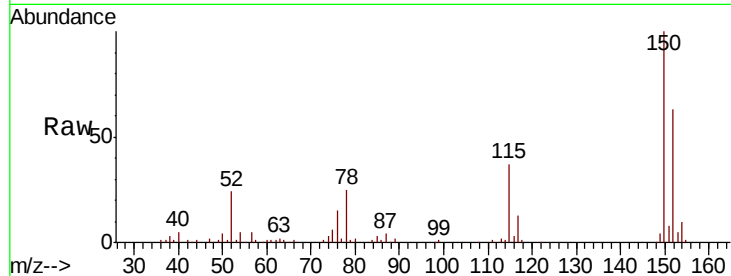
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.5	126.0	189.0
115	59.6	45.5	68.3

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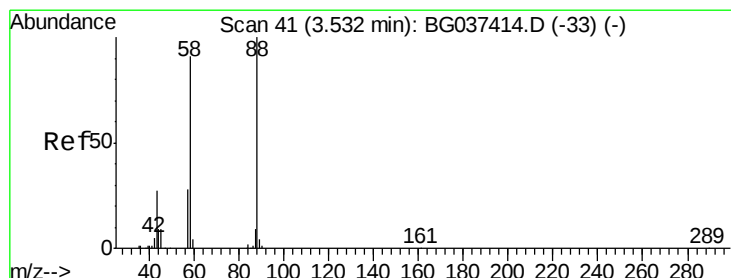
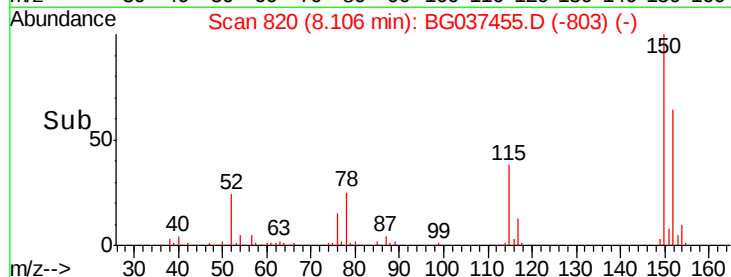
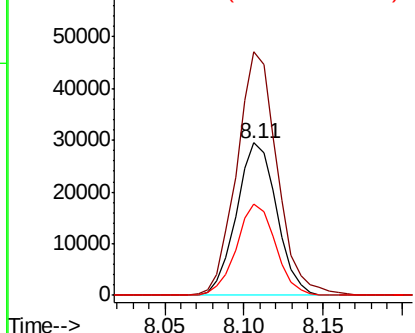


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

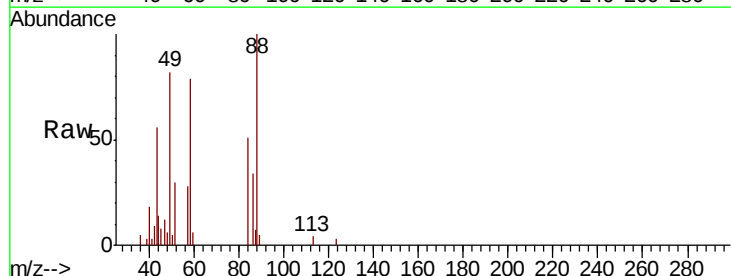
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 4.651 ng
RT: 3.54 min Scan# 42
Delta R.T. 0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	94.2	74.4	111.6
43	47.5	25.8	38.8#

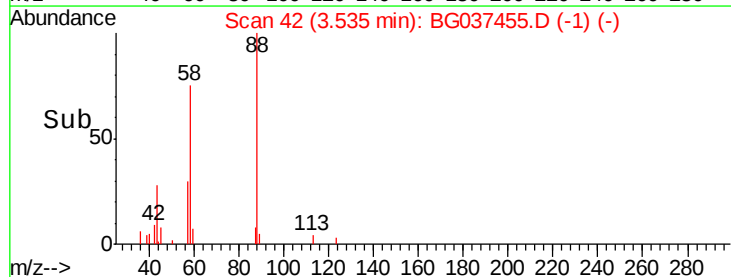
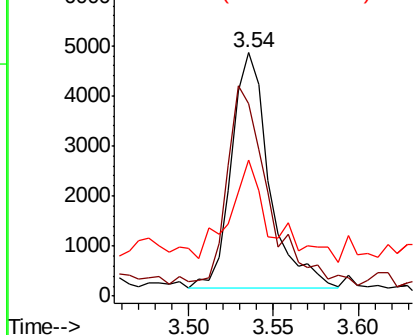


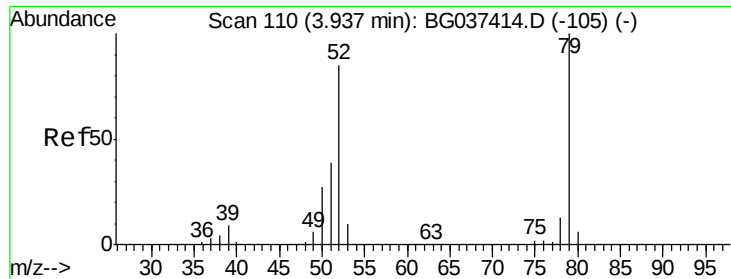
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 4.995 ng

RT: 3.95 min Scan# 112

Delta R.T. 0.01 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

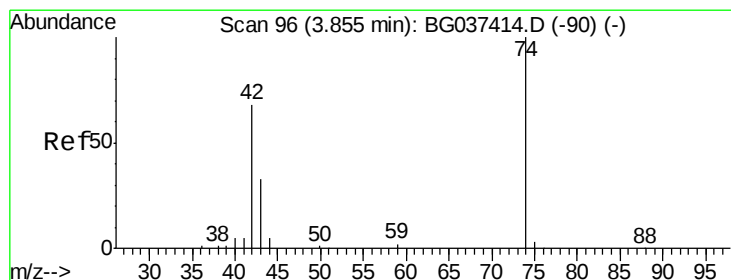
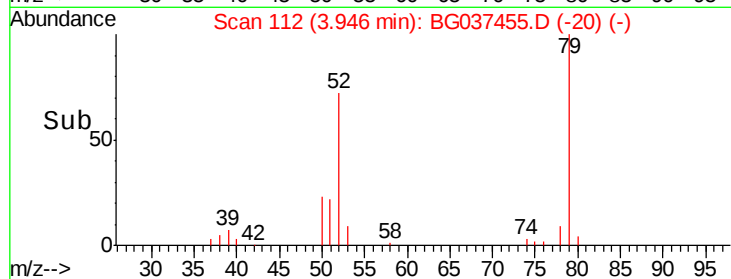
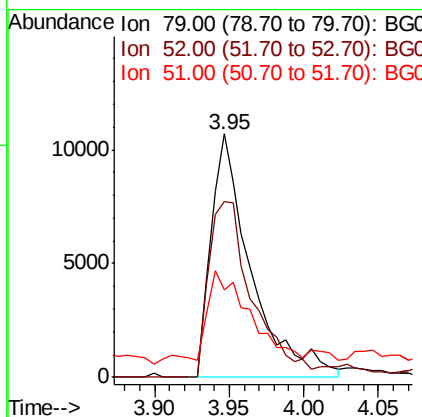
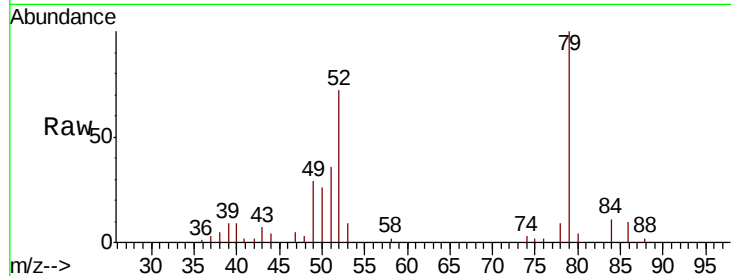
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	79	Resp:	19790
Ion	Ratio	Lower	Upper
79	100		
52	72.4	74.2	111.2#
51	35.9	34.6	51.8

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#4

n-Nitrosodimethylamine

Concen: 5.824 ng

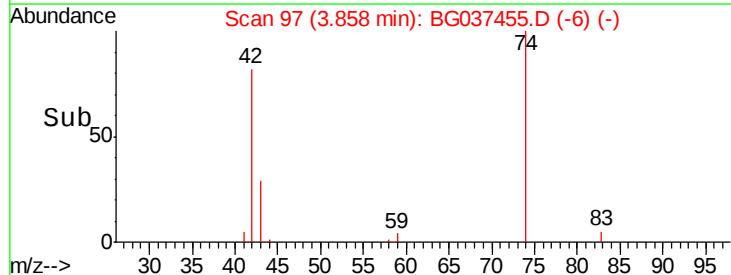
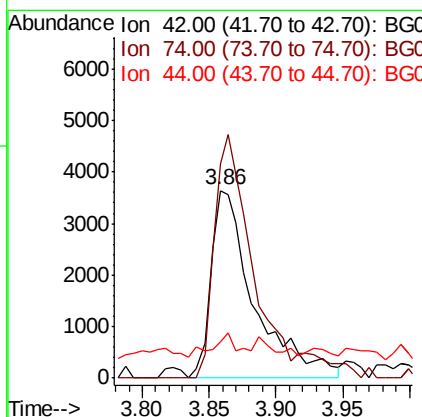
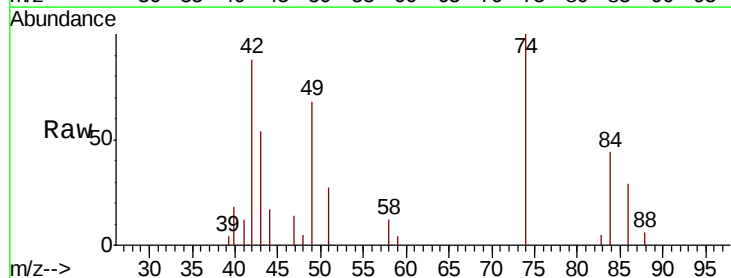
RT: 3.86 min Scan# 97

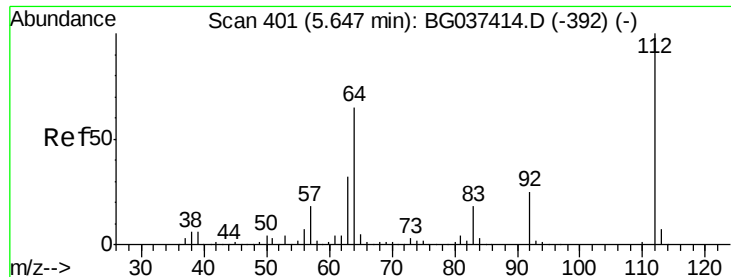
Delta R.T. 0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Tgt Ion:	42	Resp:	8219
Ion	Ratio	Lower	Upper
42	100		
74	114.1	102.0	153.0
44	19.3	9.6	14.4#





#5

2-Fluorophenol

Concen: 141.837 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

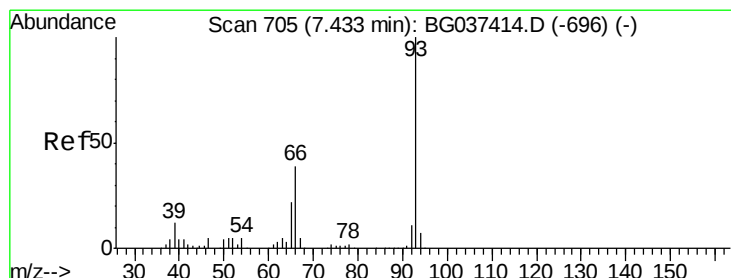
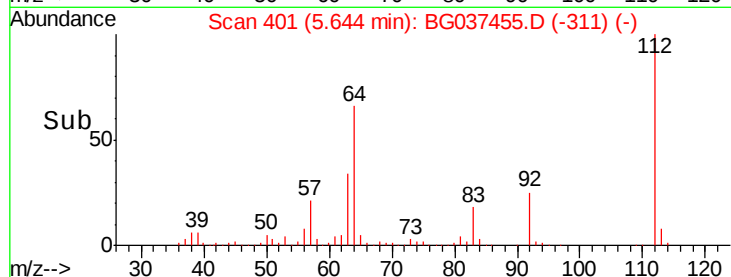
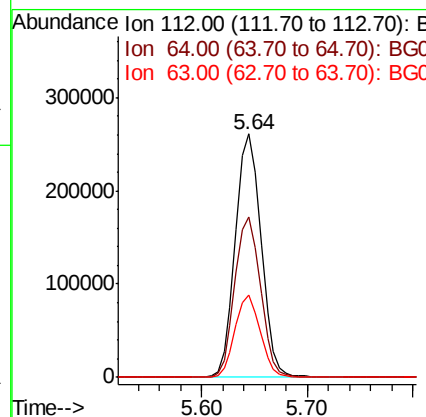
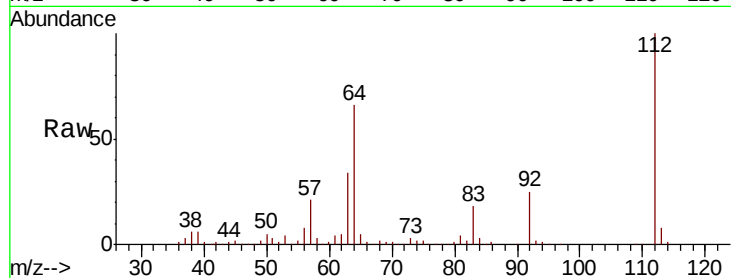
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	112	Resp:	439632
Ion Ratio	Lower	Upper	
112	100		
64	65.8	53.1	79.7
63	33.7	27.3	40.9

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#6

Aniline

Concen: 3.364 ng

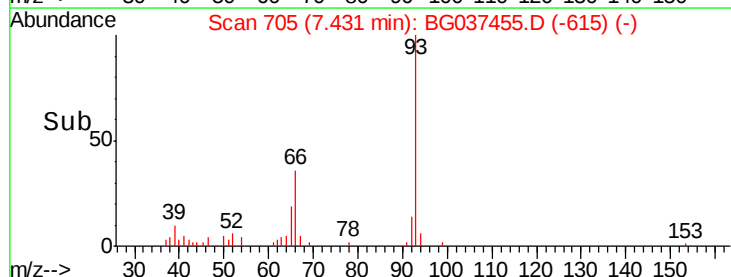
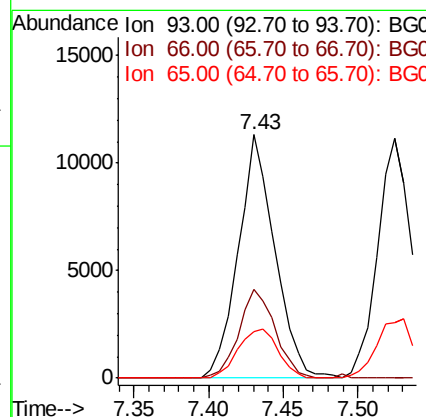
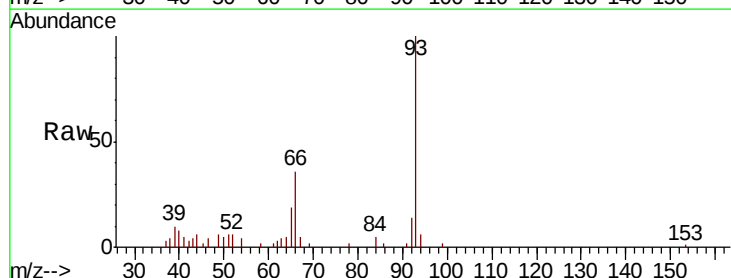
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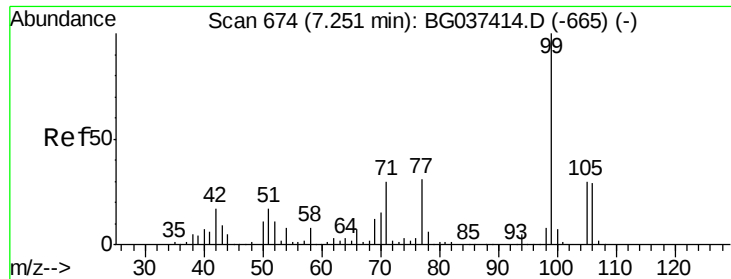
Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Tgt Ion:	93	Resp:	19232
Ion Ratio	Lower	Upper	
93	100		
66	36.2	32.8	49.2
65	19.0	16.4	24.6





#7

Phenol-d6

Concen: 137.469 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

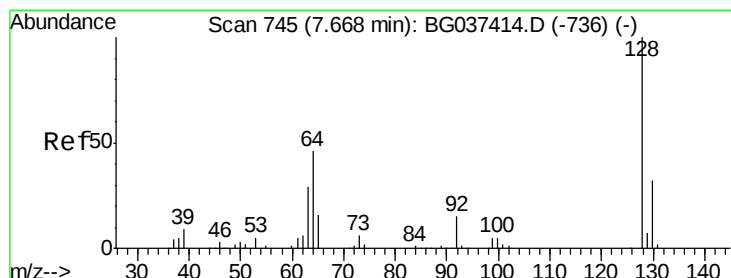
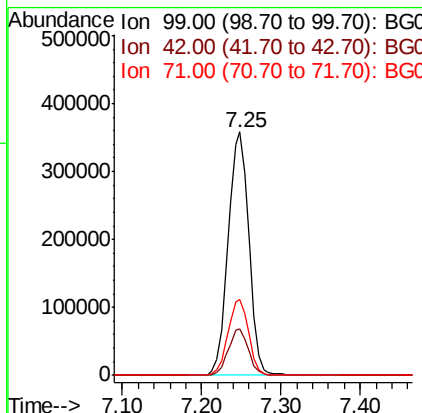
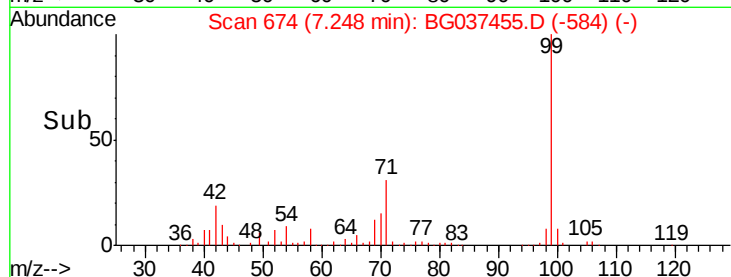
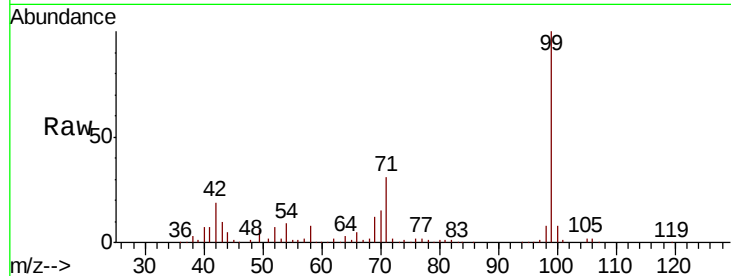
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	99	Resp:	644306
Ion Ratio	Lower	Upper	
99	100		
42	19.0	15.0	22.4
71	31.3	25.5	38.3

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#8

2-Chlorophenol

Concen: 5.052 ng

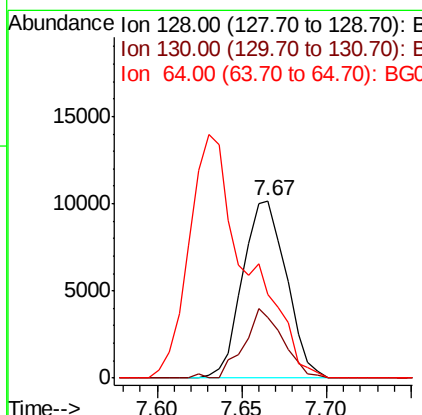
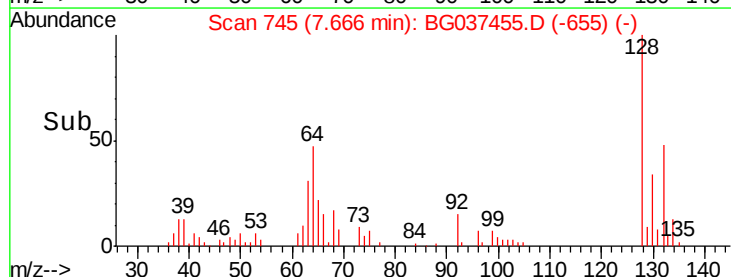
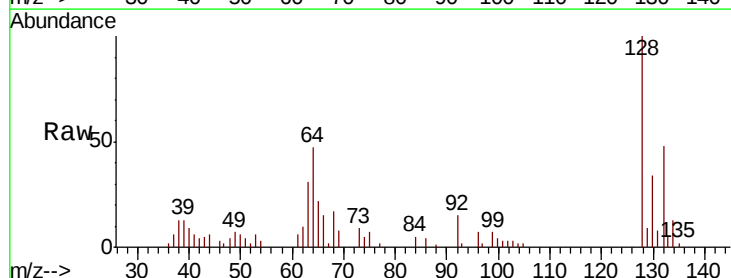
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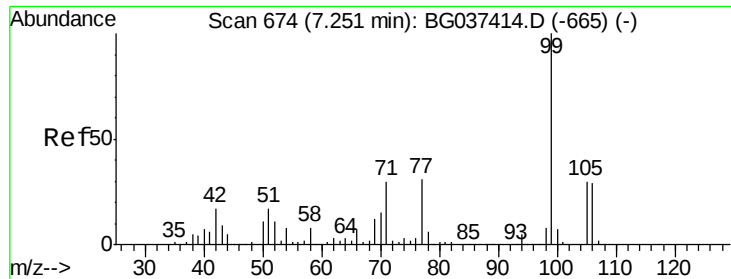
Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Tgt Ion:	128	Resp:	18319
Ion Ratio	Lower	Upper	
128	100		
130	34.4	12.0	52.0
64	47.3	32.9	72.9





#9

Benzaldehyde

Concen: 4.833 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

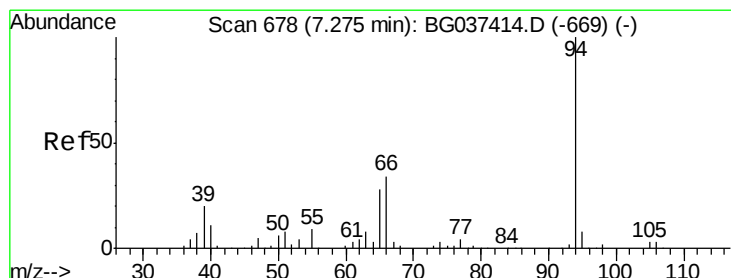
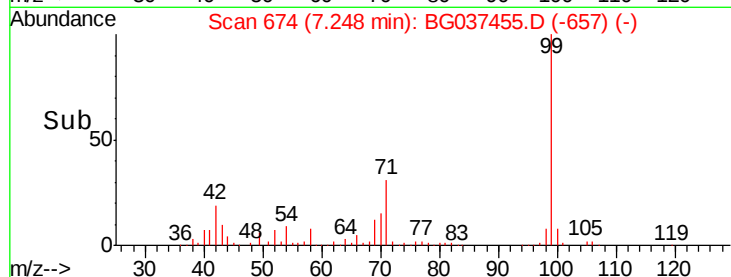
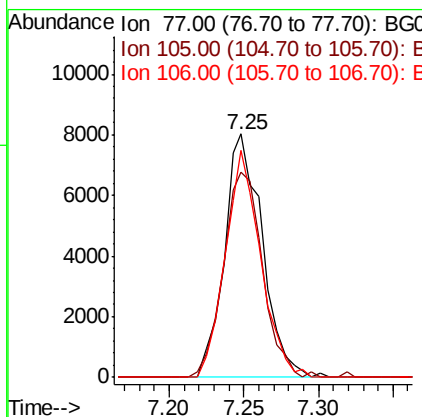
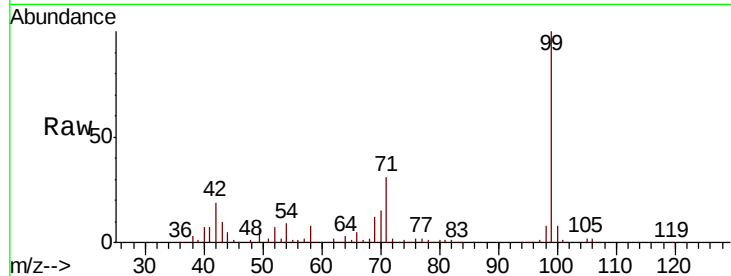
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	77	Resp:	14170
Ion	Ratio	Lower	Upper
77	100		
105	84.4	72.6	112.6
106	93.1	71.3	111.3

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#10

Phenol

Concen: 5.206 ng

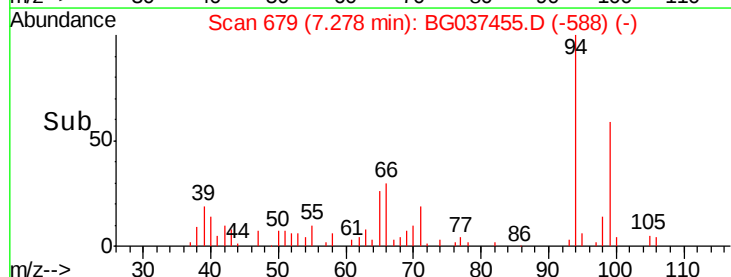
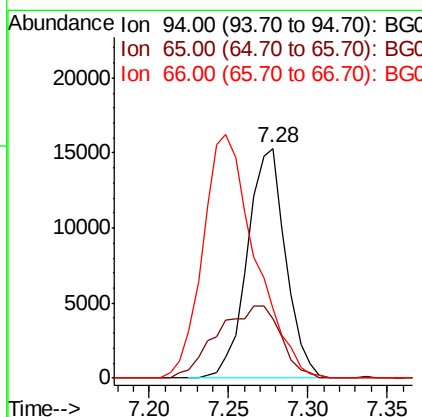
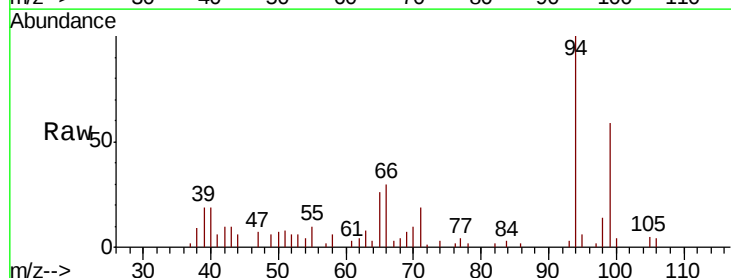
RT: 7.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Tgt Ion:	94	Resp:	25747
Ion	Ratio	Lower	Upper
94	100		
65	25.9	9.7	49.7
66	30.4	15.9	55.9





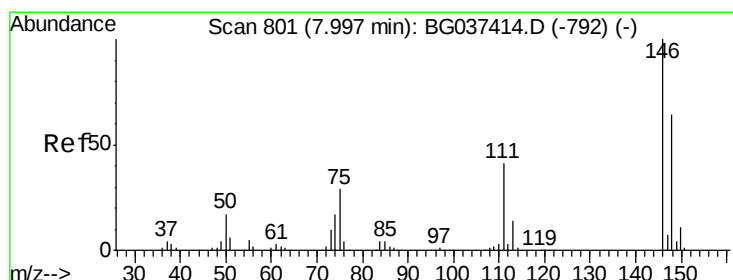
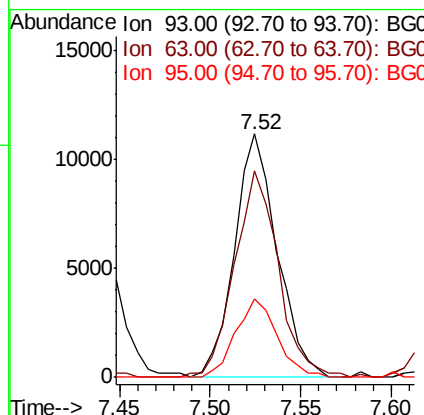
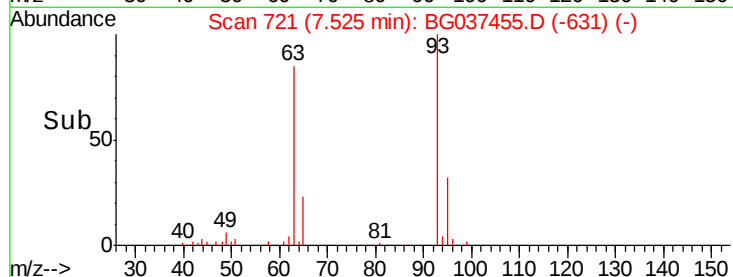
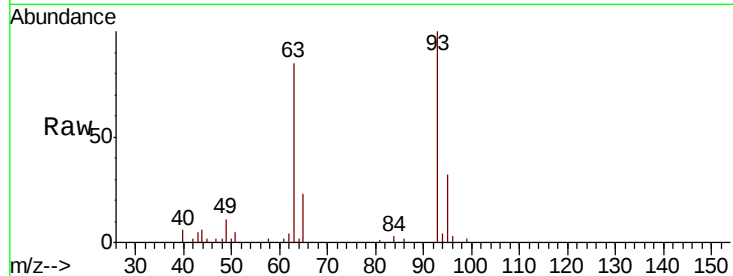
#11
bis(2-Chloroethyl)ether
Concen: 4.849 ng
RT: 7.52 min Scan# 721
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
93	100		
63	84.8	69.5	109.5
95	32.3	12.6	52.6

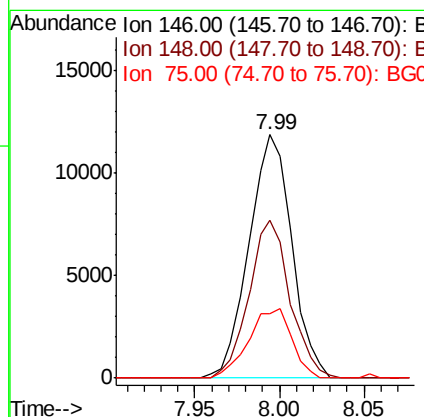
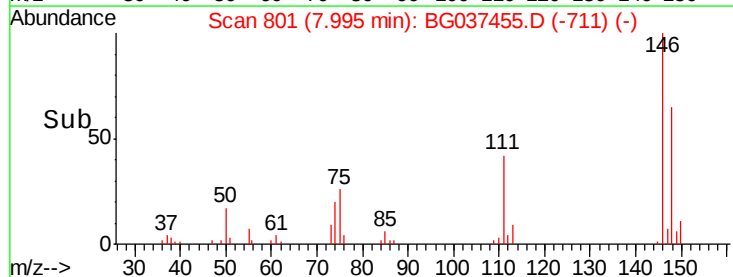
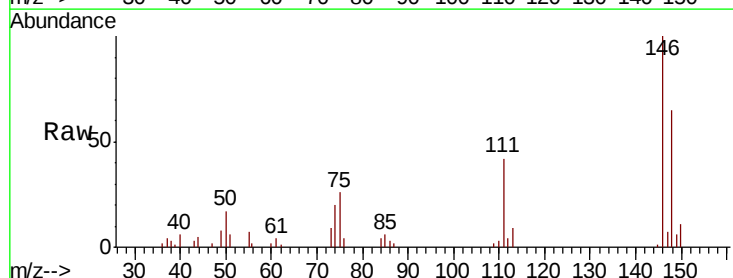
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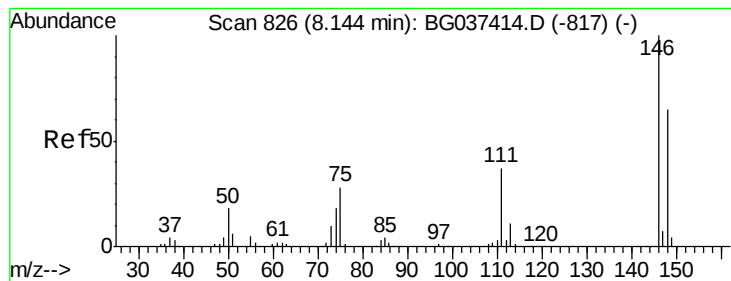
Sohil
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#12
1,3-Dichlorobenzene
Concen: 5.153 ng
RT: 7.99 min Scan# 801
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	49.8	74.8
75	26.2	23.2	34.8





#13

1,4-Dichlorobenzene

Concen: 5.017 ng

RT: 8.14 min Scan# 826

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

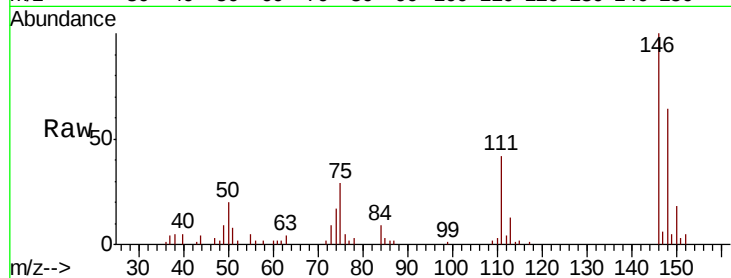
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

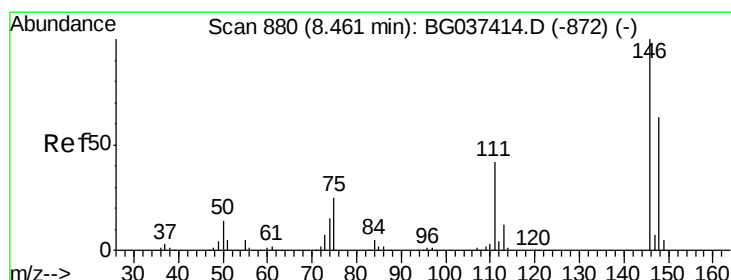
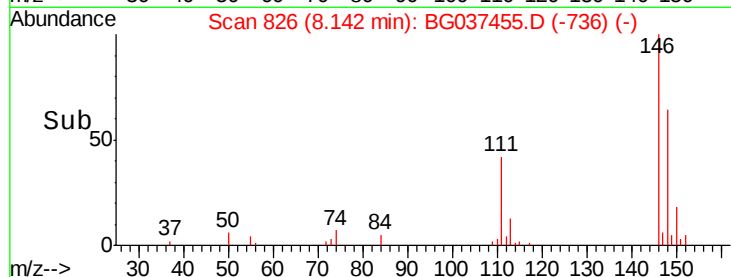
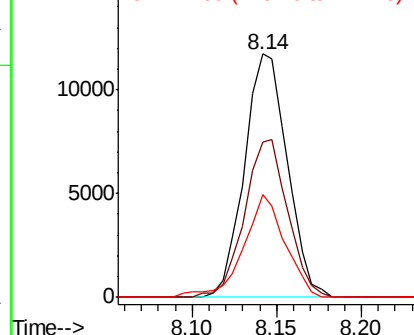
Tgt Ion:	146	Resp:	20716
Ion Ratio	Lower	Upper	
146	100		
148	64.0	51.0	76.6
111	42.4	32.4	48.6

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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: 5.070 ng

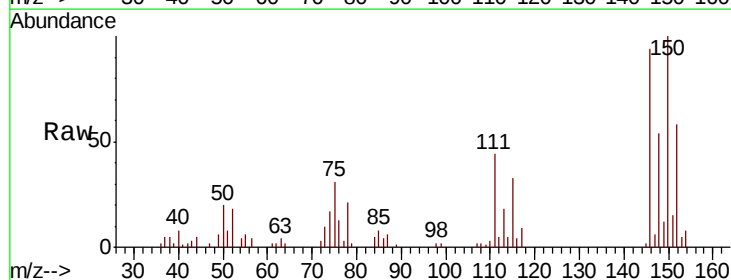
RT: 8.46 min Scan# 880

Delta R.T. -0.00 min

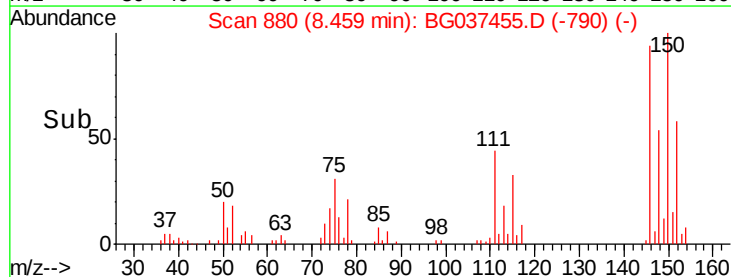
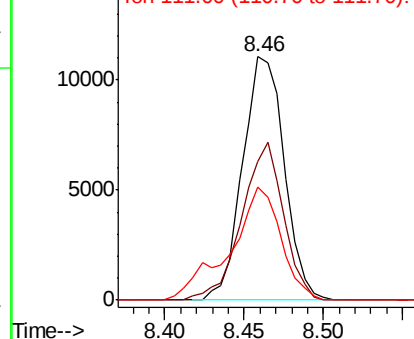
Lab File: BG037455.D

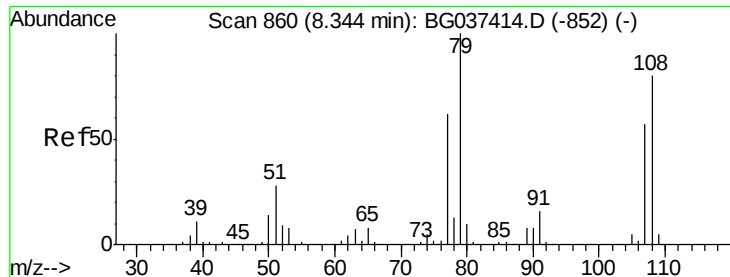
Acq: 19 Oct 2018 15:57

Tgt Ion:	146	Resp:	20138
Ion Ratio	Lower	Upper	
146	100		
148	57.2	50.4	75.6
111	46.6	34.6	51.8



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





#15

Benzyl Alcohol

Concen: 4.740 ng

RT: 8.34 min Scan# 860

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

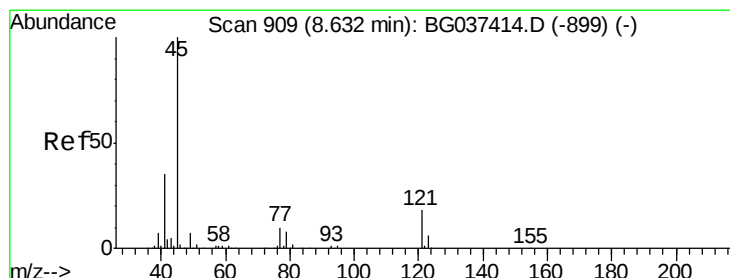
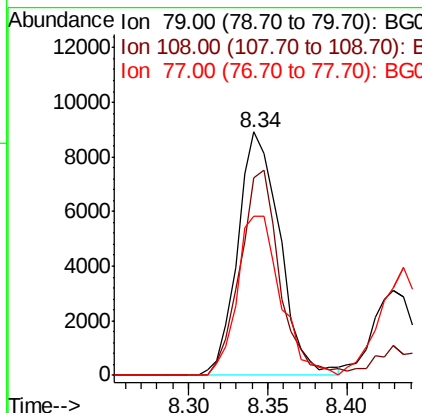
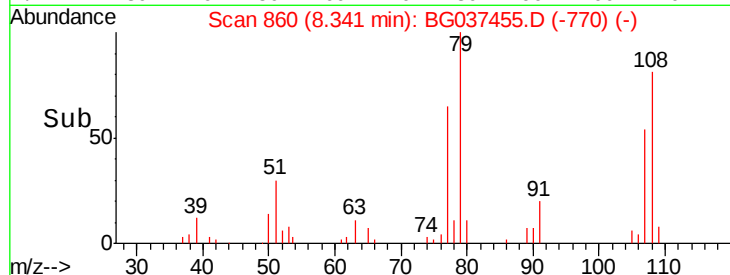
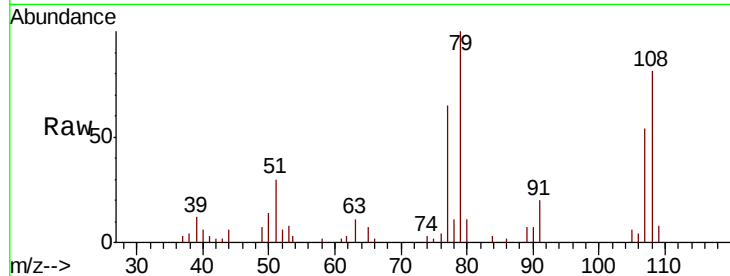
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	79	Resp:	16417
Ion	Ratio	Lower	Upper
79	100		
108	80.9	65.8	98.8
77	65.1	52.9	79.3

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.200 ng

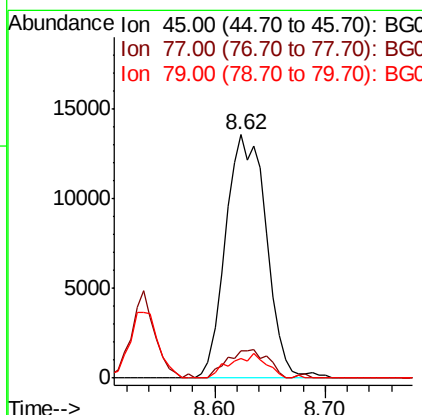
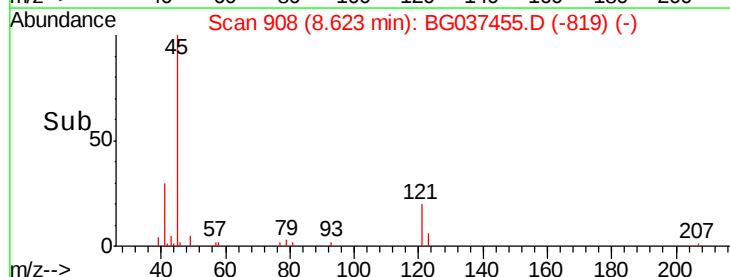
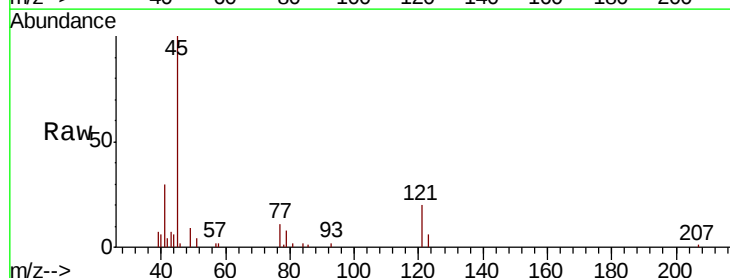
RT: 8.62 min Scan# 908

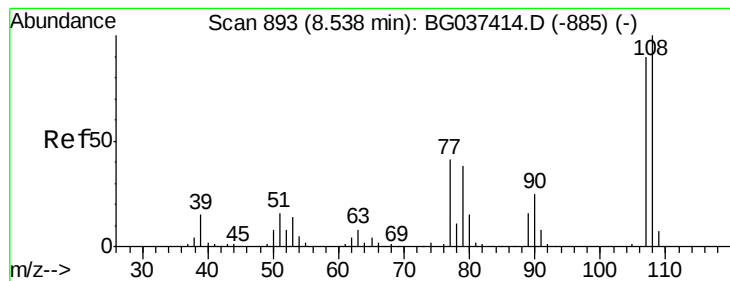
Delta R.T. -0.01 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Tgt Ion:	45	Resp:	34944
Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	30.0
79	8.0	0.0	29.0





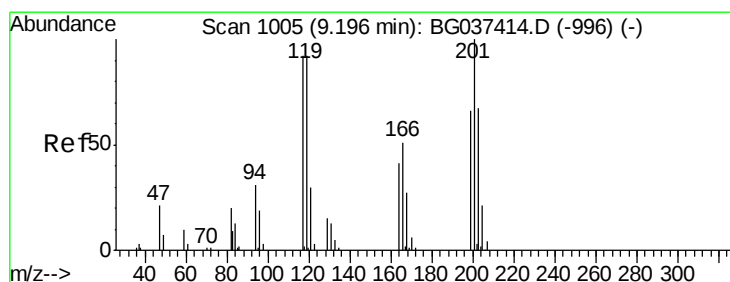
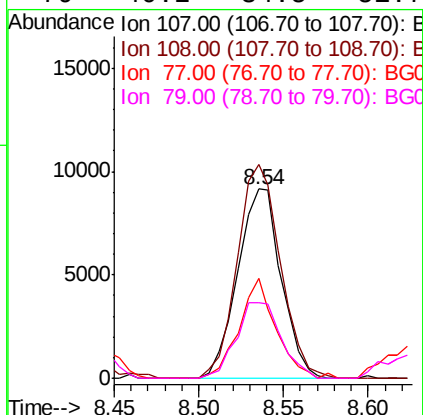
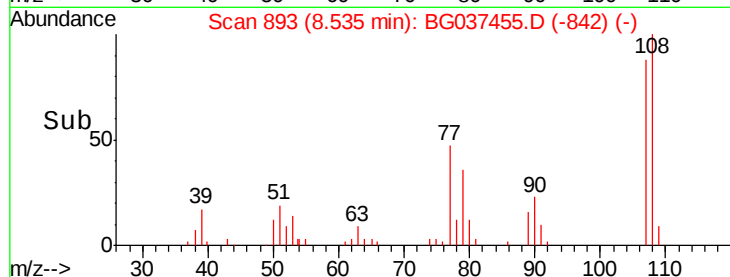
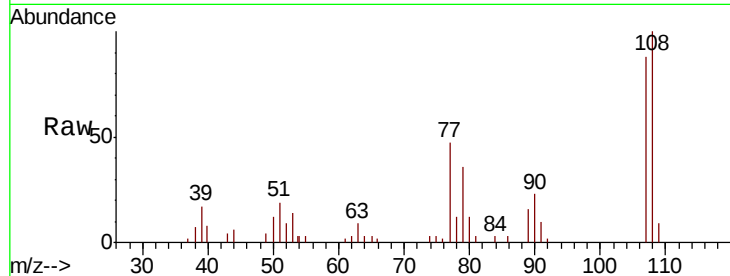
#17
2-Methylphenol
Concen: 5.011 ng
RT: 8.54 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.1	16384	87.9	131.9
77	53.0		35.1	52.7#
79	40.2		34.5	51.7

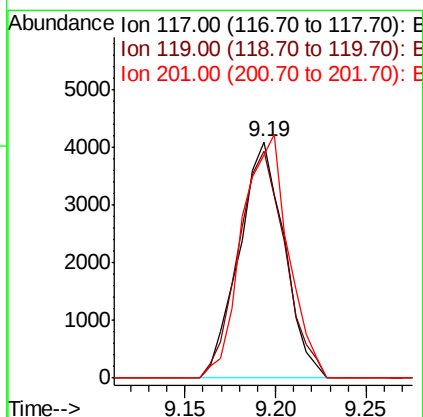
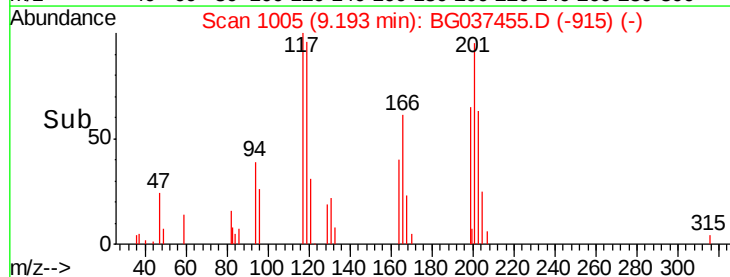
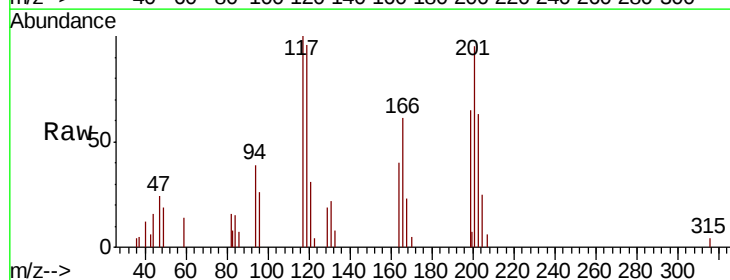
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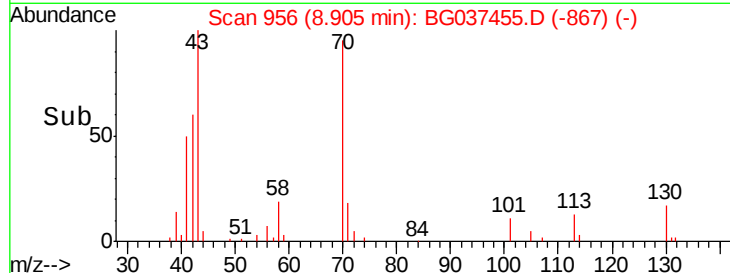
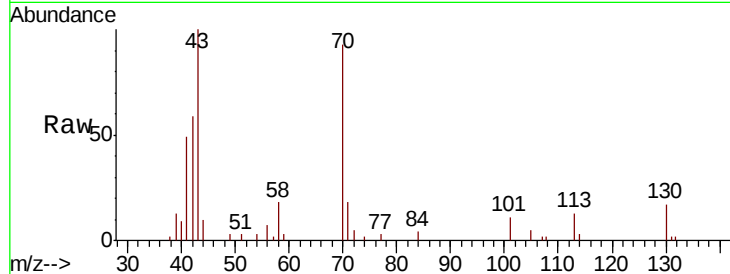
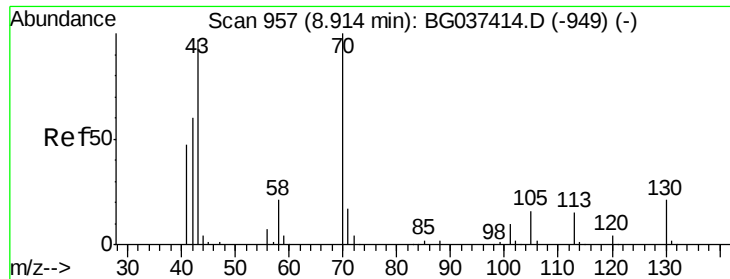
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#18
Hexachloroethane
Concen: 5.029 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	7080		
119	96.0		74.6	111.8
201	94.7		80.8	121.2





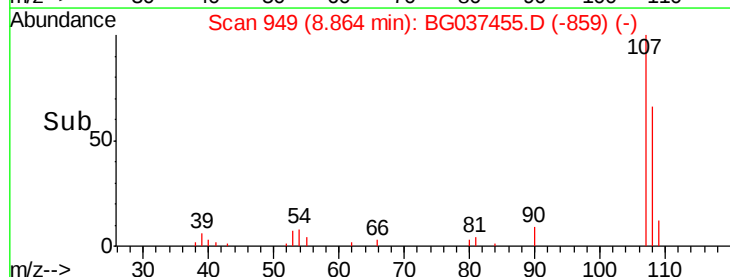
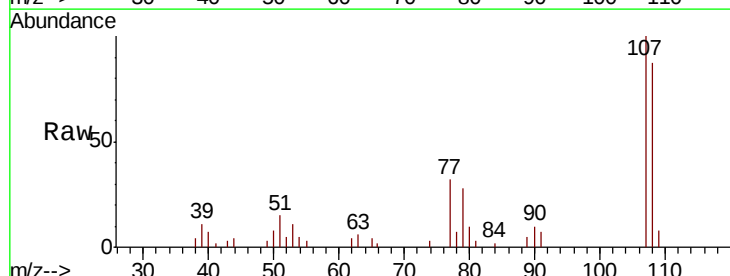
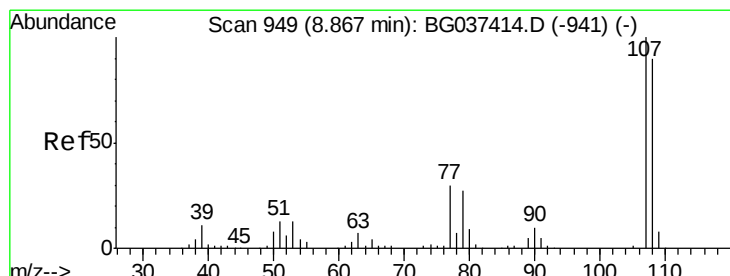
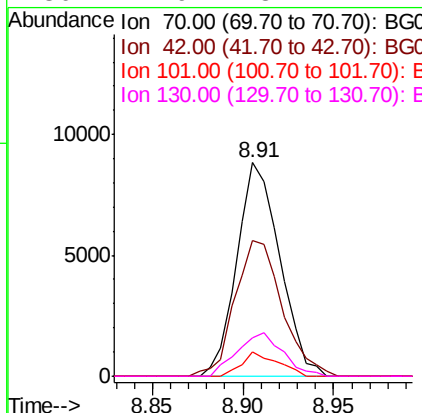
#19
n-Nitroso-di-n-propylamine
Concen: 4.508 ng
RT: 8.91 min Scan# 956
Delta R.T. -0.01 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
70	100		
42	63.4	53.9	80.9
101	11.6	8.2	12.2
130	17.9	18.2	27.4#

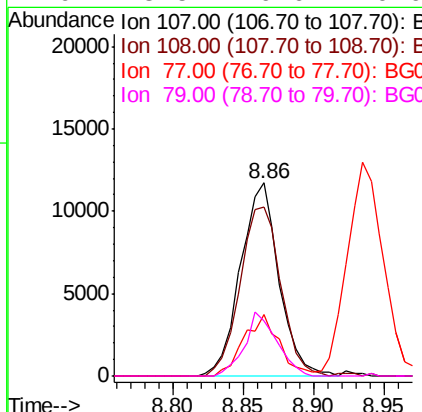
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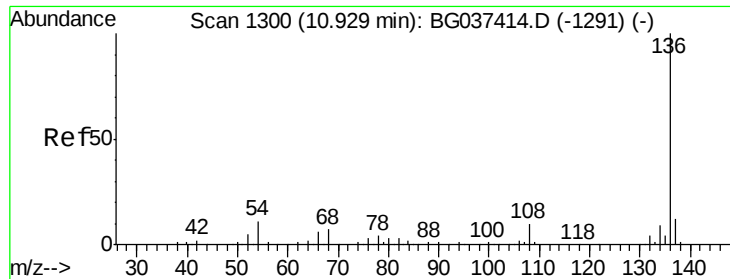
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#20
3+4-Methylphenols
Concen: 4.768 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.3	69.9	109.9
77	32.1	11.2	51.2
79	28.5	6.6	46.6





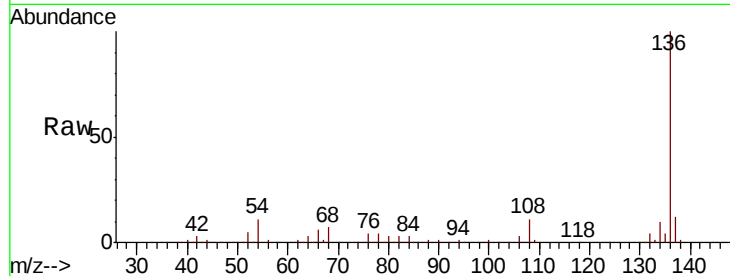
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	240998		
137	11.6	9.6	14.4	
54	10.6	7.9	11.9	
68	7.0	4.8	7.2	

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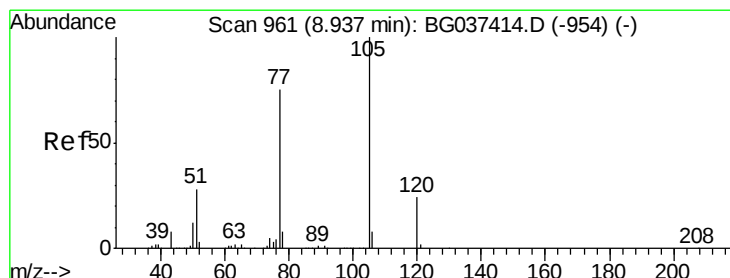
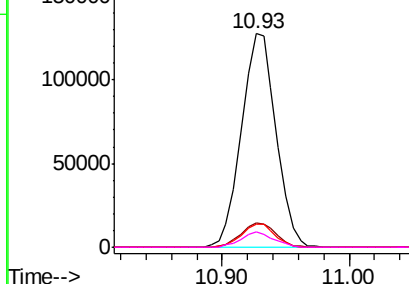
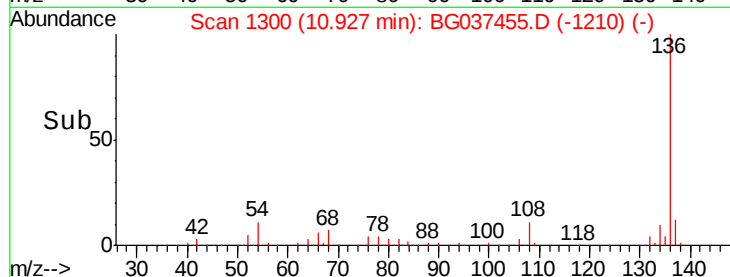
Abundance

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): BG

Ion 68.00 (67.70 to 68.70): BG



#22
Acetophenone
Concen: 5.018 ng
RT: 8.93 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	30331		
71	0.0	1.2	1.8#	
51	27.3	25.0	37.6	
120	21.3	18.6	28.0	

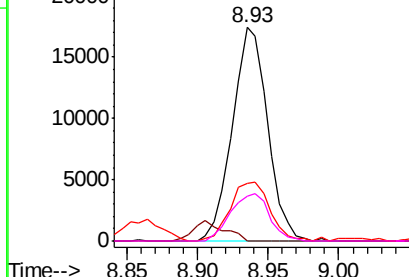
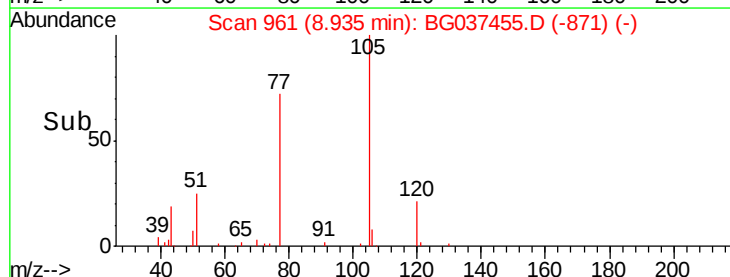
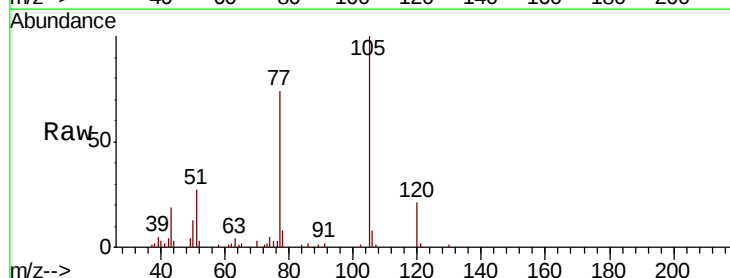
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BG

Ion 51.00 (50.70 to 51.70): BG

Ion 120.00 (119.70 to 120.70): E





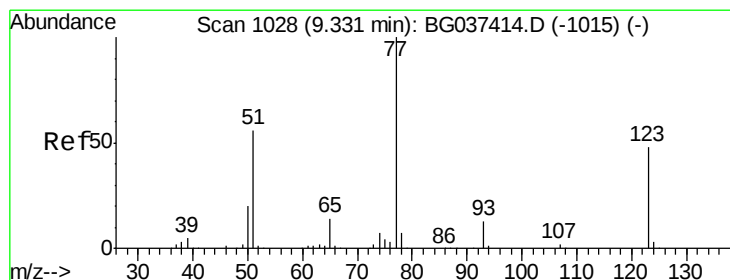
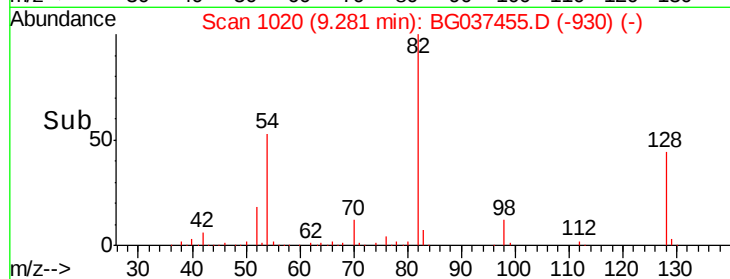
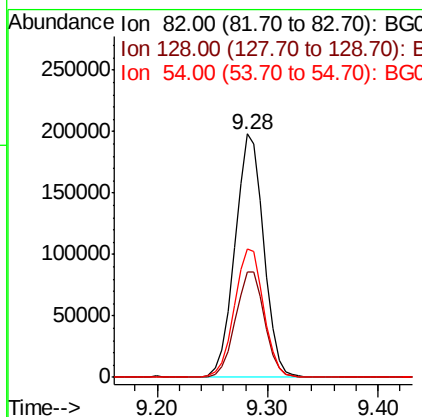
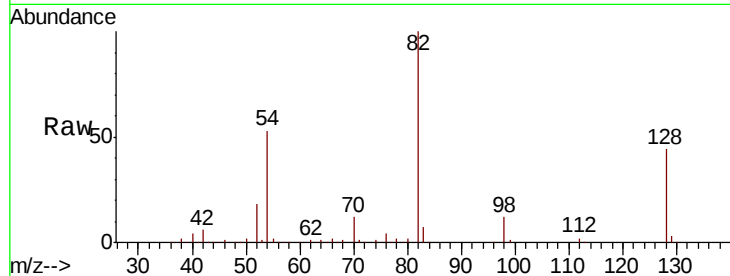
#23
 Nitrobenzene-d5
 Concen: 84.170 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	362106		
128	43.5	34.6	51.8	
54	52.8	45.3	67.9	

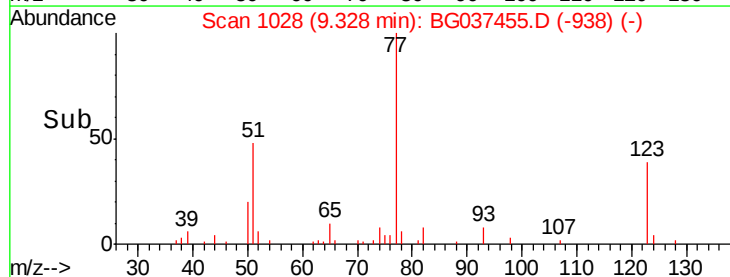
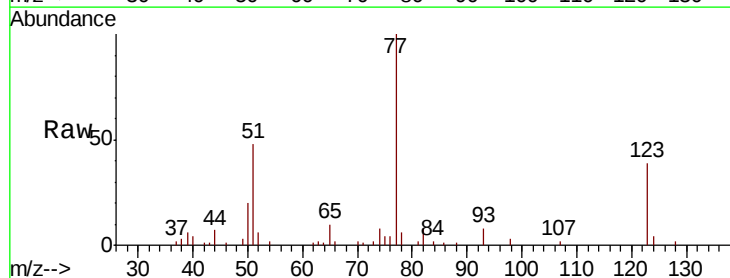
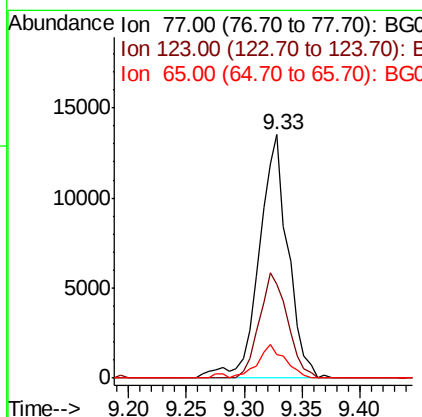
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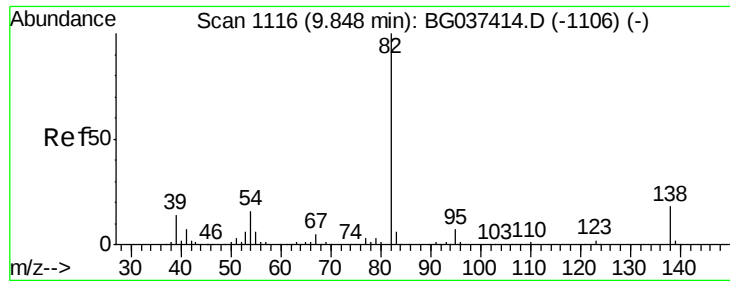
Sohil
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#24
 Nitrobenzene
 Concen: 5.258 ng
 RT: 9.33 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	23497		
123	38.7	33.6	50.4	
65	9.7	11.3	16.9	





#25

Isophorone

Concen: 5.303 ng

RT: 9.85 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

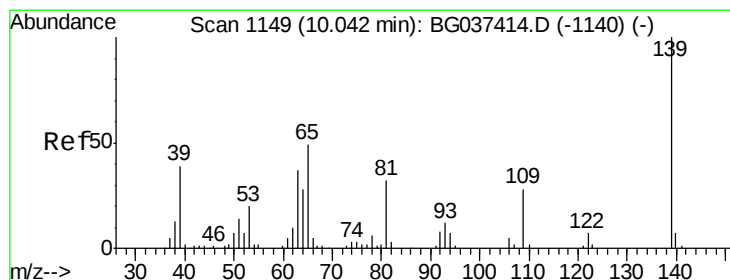
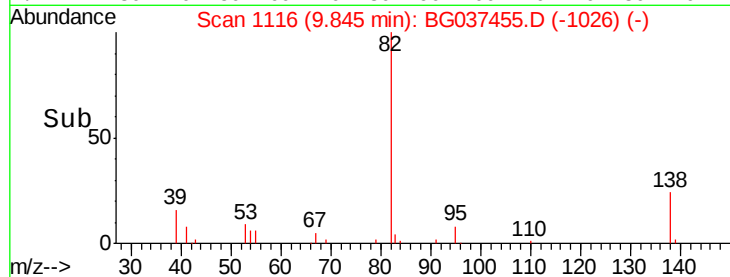
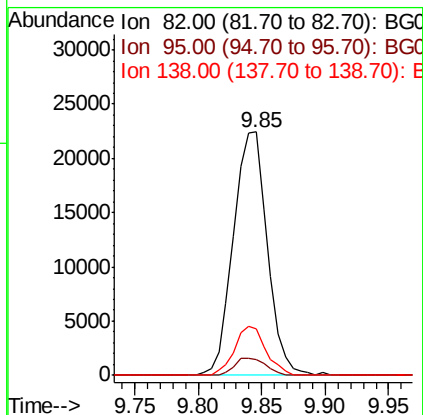
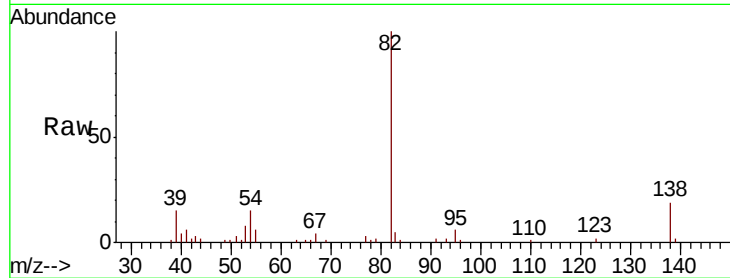
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	82	Resp:	41685
Ion Ratio	Lower	Upper	
82	100		
95	6.3	5.3	7.9
138	19.2	13.3	19.9

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#26

2-Nitrophenol

Concen: 4.550 ng

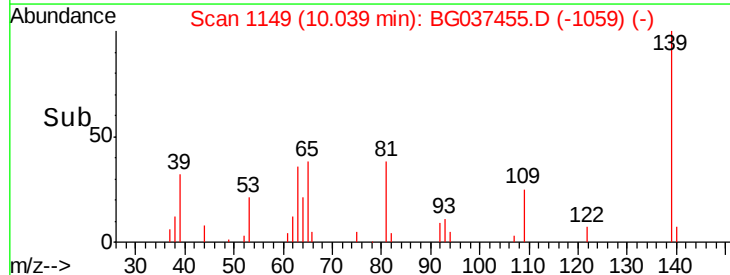
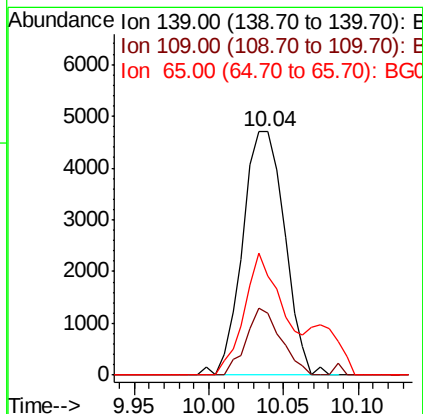
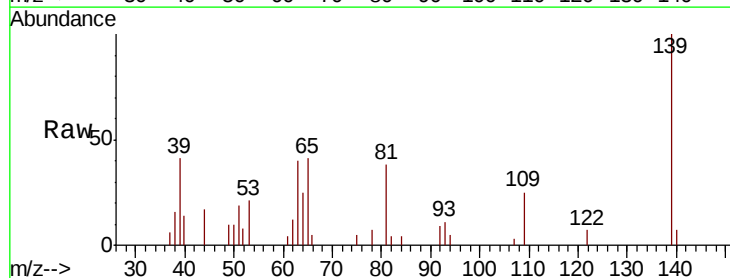
RT: 10.04 min Scan# 1149

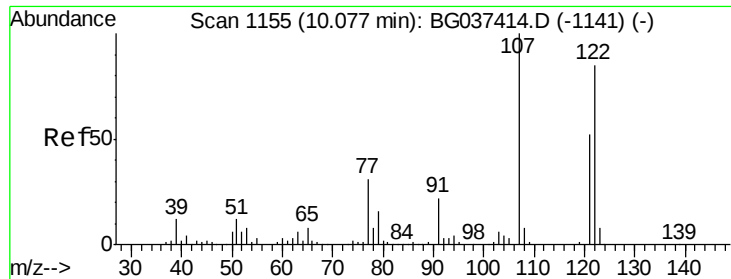
Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Tgt Ion:	139	Resp:	9161
Ion Ratio	Lower	Upper	
139	100		
109	25.2	23.3	34.9
65	40.8	39.8	59.8





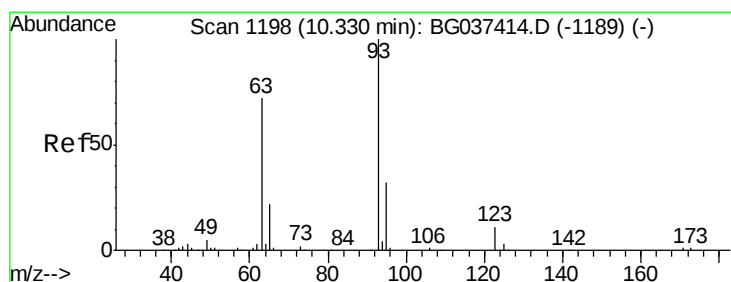
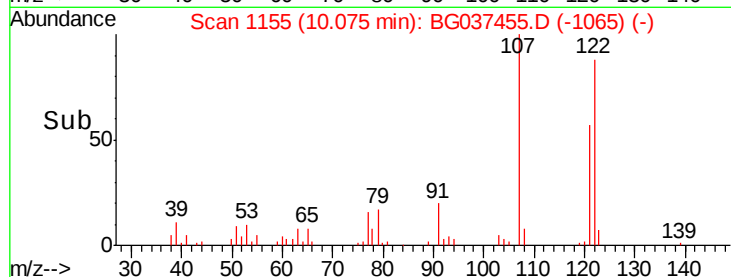
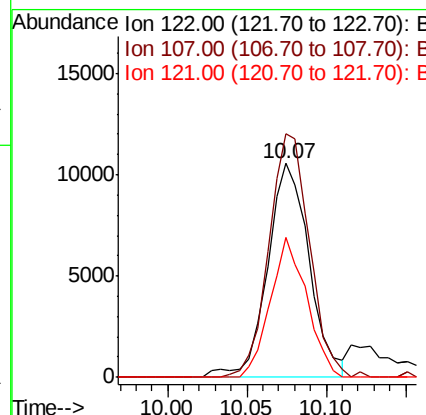
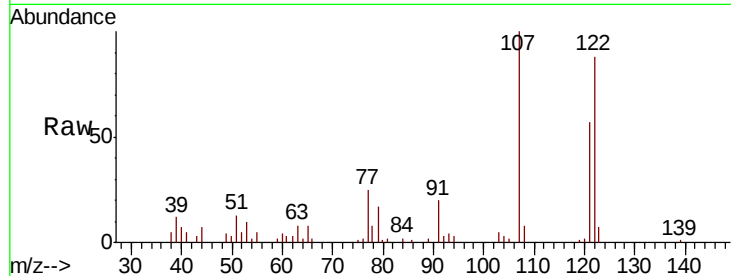
#27
 2,4-Dimethylphenol
 Concen: 5.371 ng
 RT: 10.07 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
122	100		
107	113.7	94.2	141.2
121	65.2	47.3	70.9

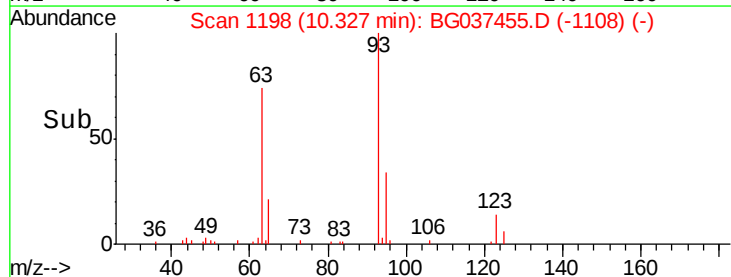
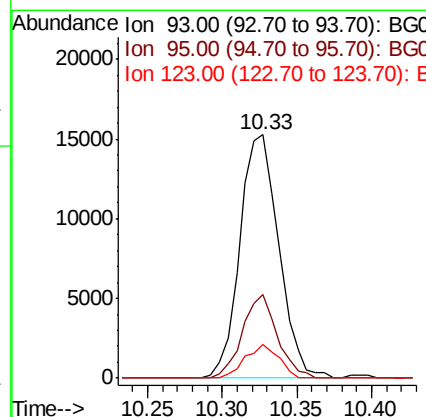
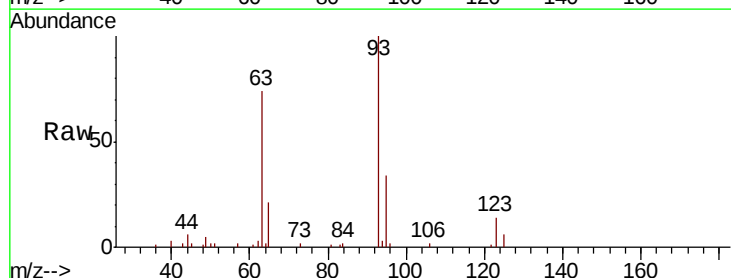
Manual Integrations
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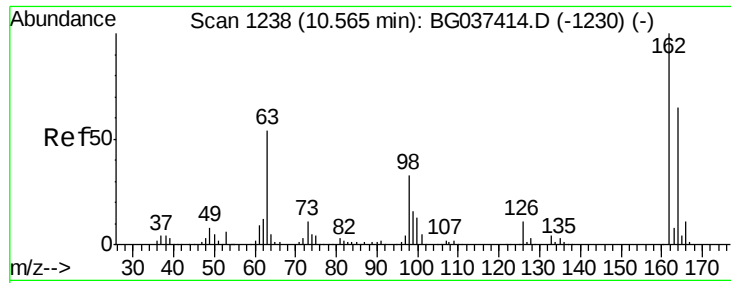
Sohil
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#28
 bis(2-Chloroethoxy)methane
 Concen: 5.357 ng
 RT: 10.33 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	34.2	24.6	37.0
123	13.8	9.1	13.7#





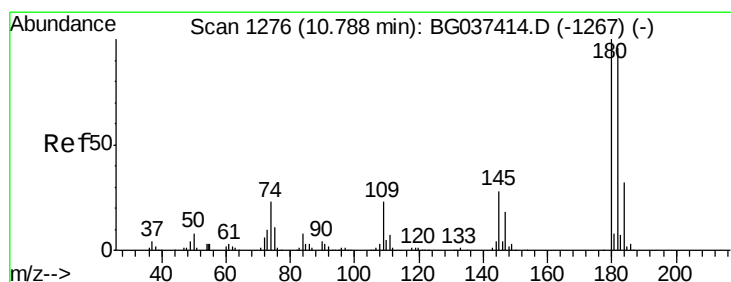
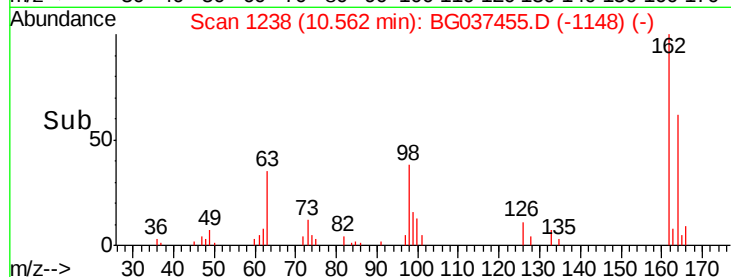
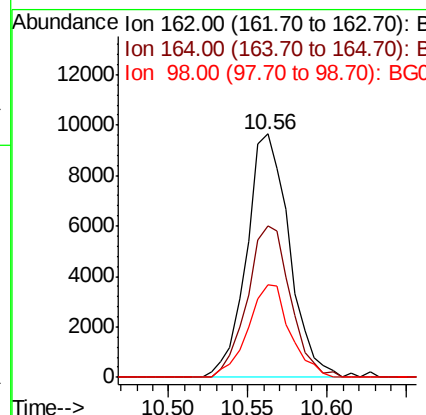
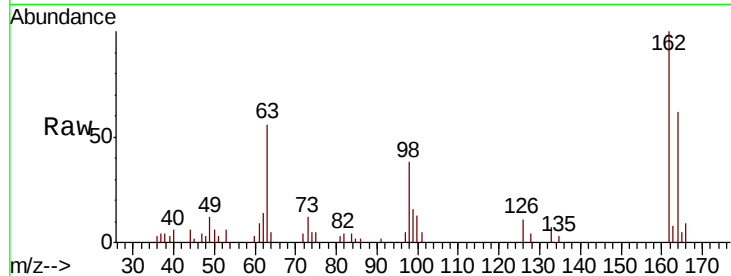
#29
 2,4-Dichlorophenol
 Concen: 4.500 ng
 RT: 10.56 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	18013		
164	61.9	43.2	83.2	
98	38.0	16.0	56.0	

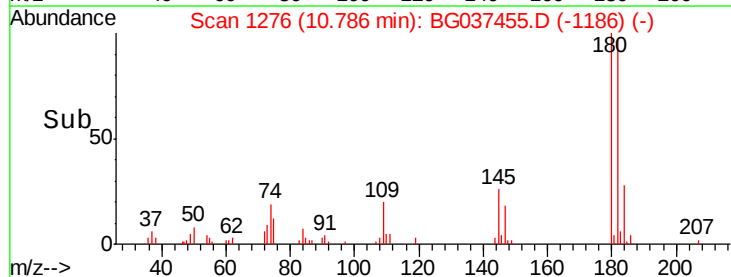
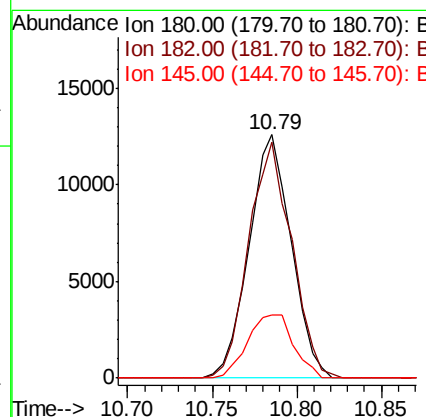
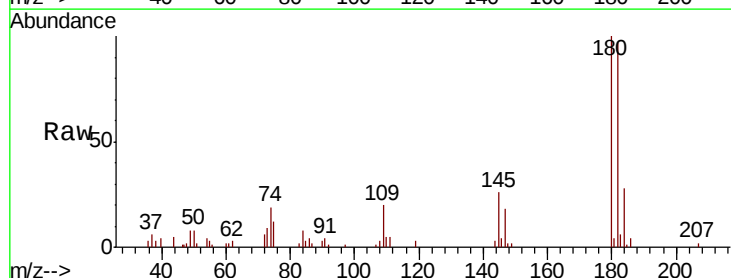
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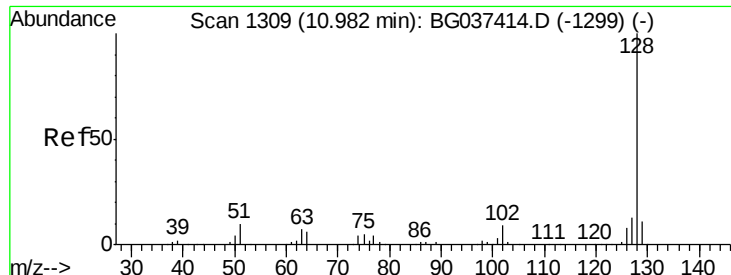
Sohil
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#30
 1,2,4-Trichlorobenzene
 Concen: 5.011 ng
 RT: 10.79 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	21811		
182	96.9	77.7	116.5	
145	26.1	23.3	34.9	





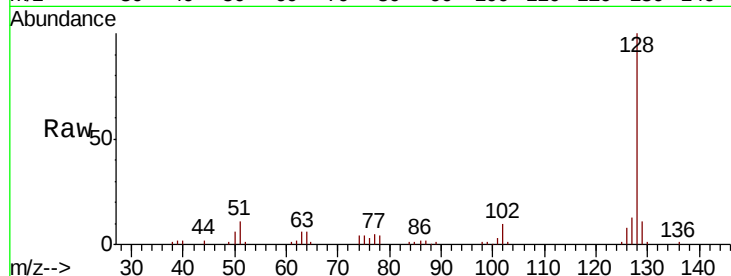
#31
Naphthalene
Concen: 5.587 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	12.9	11.1	16.7

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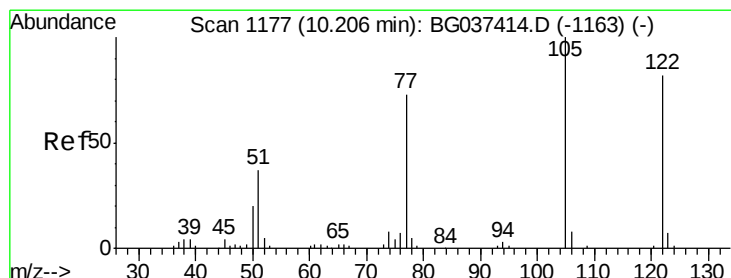
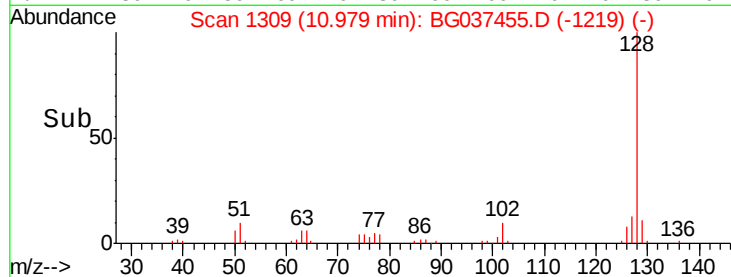
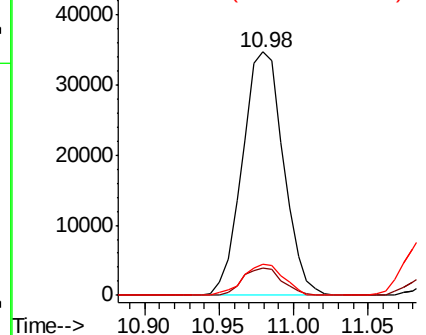


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 1.767 ng
RT: 10.12 min Scan# 1162
Delta R.T. -0.09 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

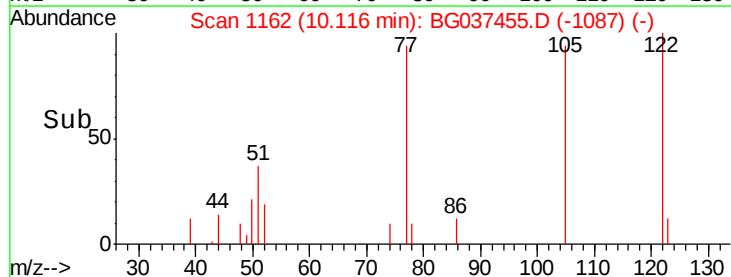
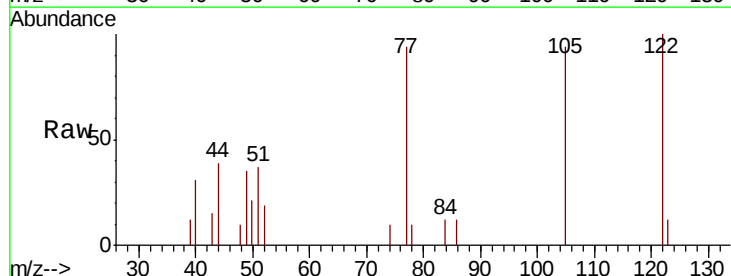
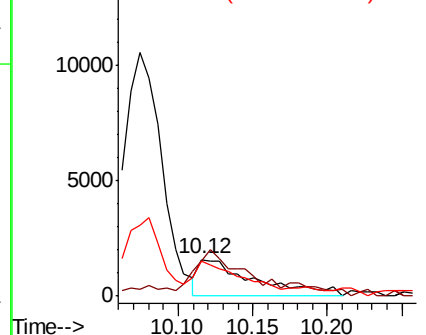
Tgt Ion	Ratio	Lower	Upper
122	100		
105	94.3	106.7	146.7#
77	94.4	72.2	112.2

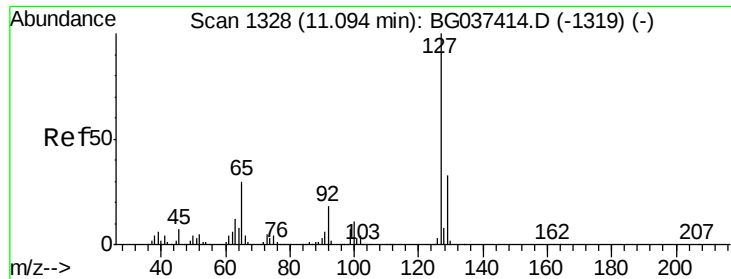
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC





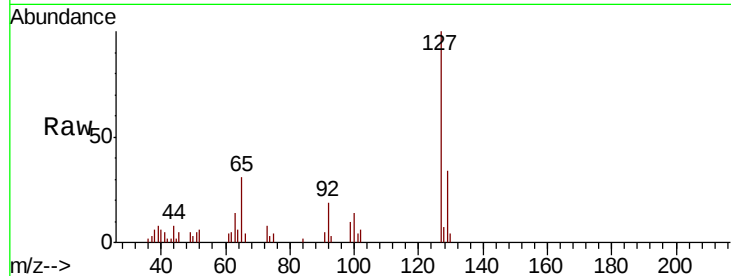
#33
4-Chloroaniline
Concen: 3.314 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
127	100		
129	34.4	27.1	40.7
65	31.3	26.6	39.8
92	19.0	16.4	24.6

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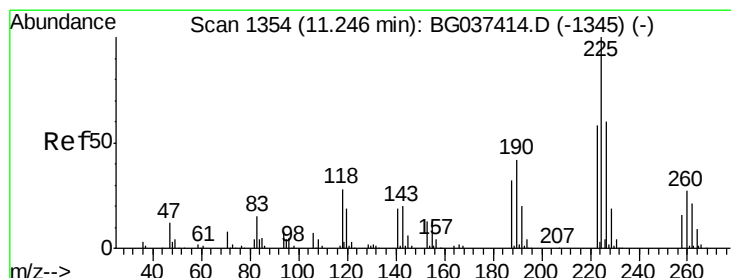
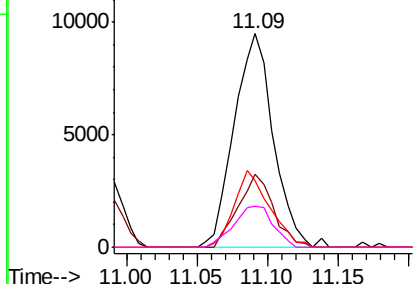
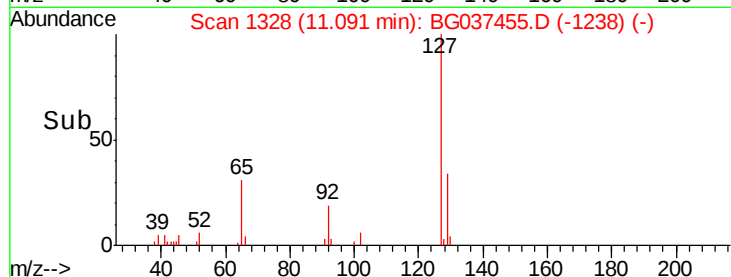
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

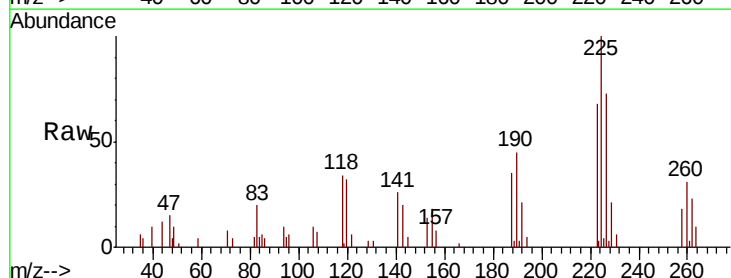
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 4.800 ng
RT: 11.24 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	68.8	48.2	72.4
227	73.0	51.6	77.4

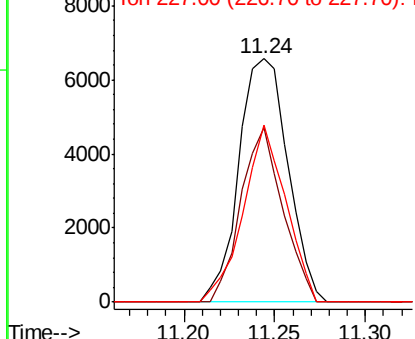
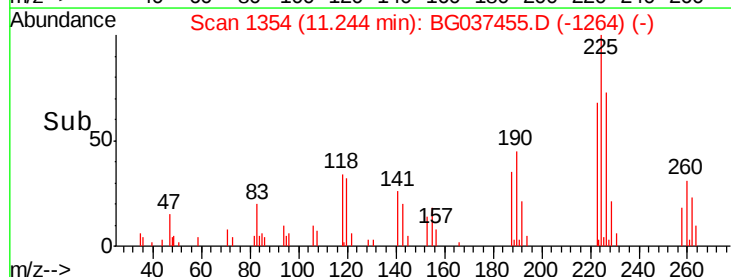


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





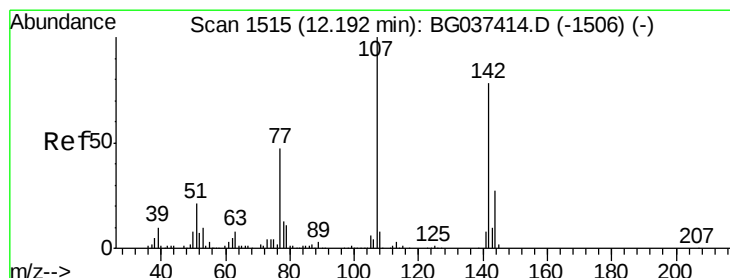
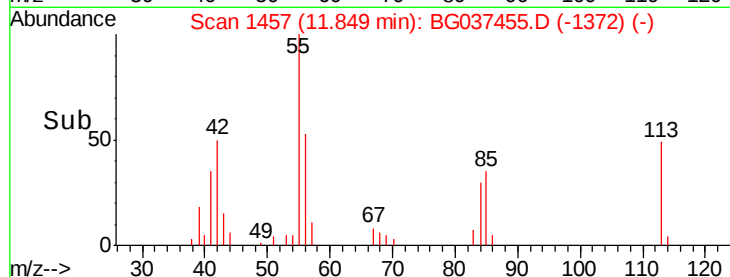
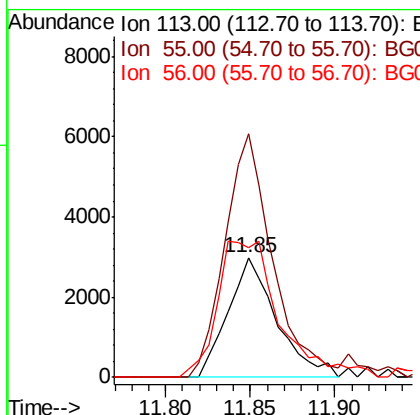
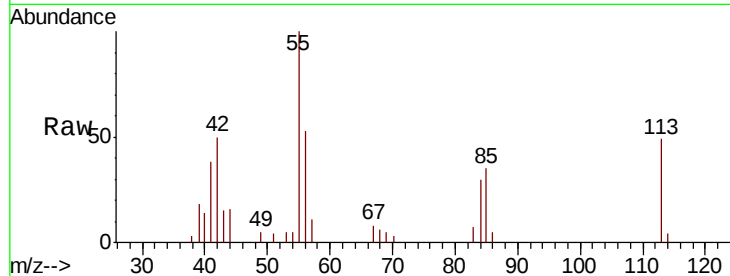
#35
 Caprolactam
 Concen: 3.700 ng
 RT: 11.85 min Scan# 1457
 Delta R.T. -0.03 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
113	100		
55	203.7	176.6	216.6
56	108.4	128.3	168.3

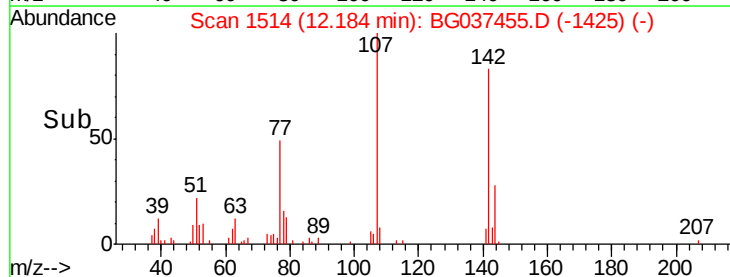
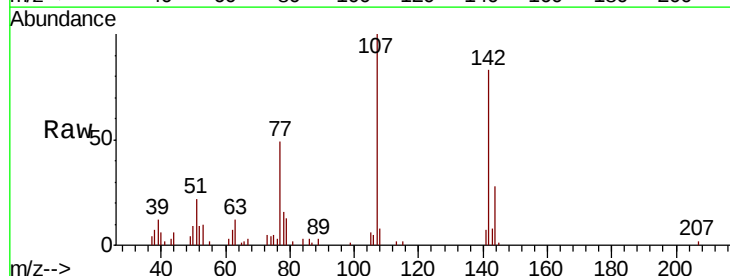
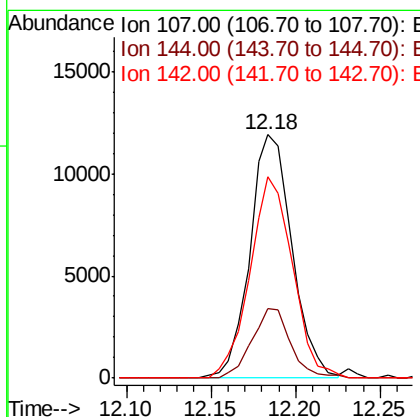
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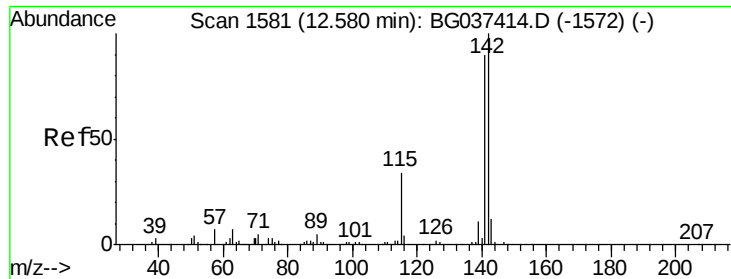
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#36
 4-Chloro-3-methylphenol
 Concen: 4.583 ng
 RT: 12.18 min Scan# 1514
 Delta R.T. -0.01 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
107	100		
144	28.4	20.7	31.1
142	82.7	64.4	96.6





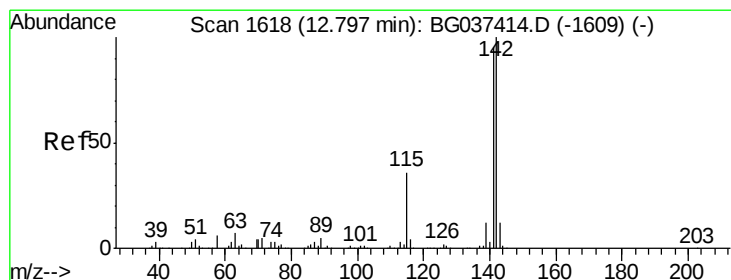
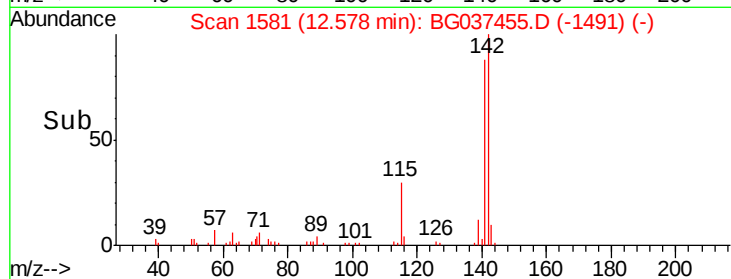
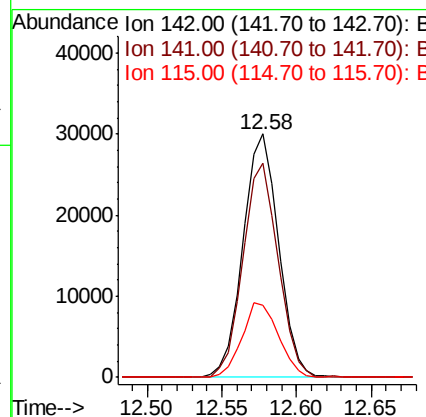
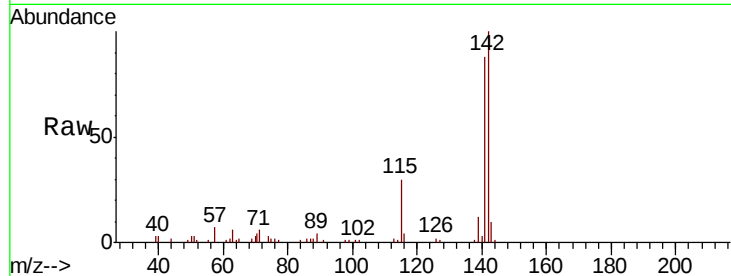
#37
 2-Methylnaphthalene
 Concen: 5.723 ng
 RT: 12.58 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.9	107.9
115	29.8	27.8	41.8

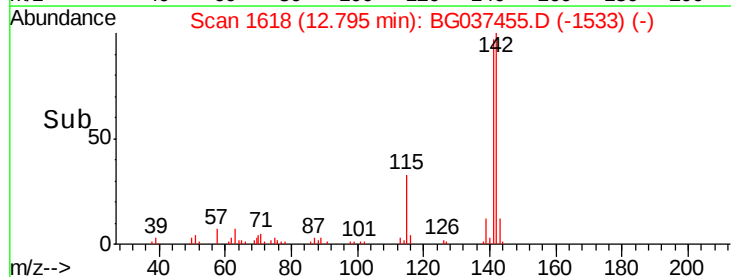
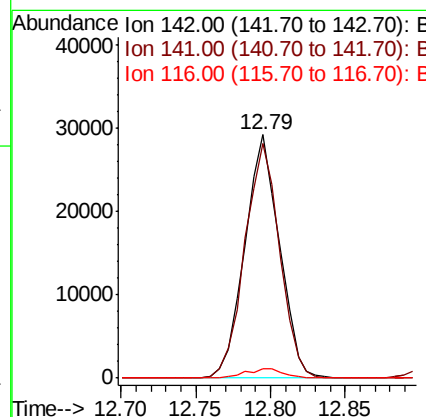
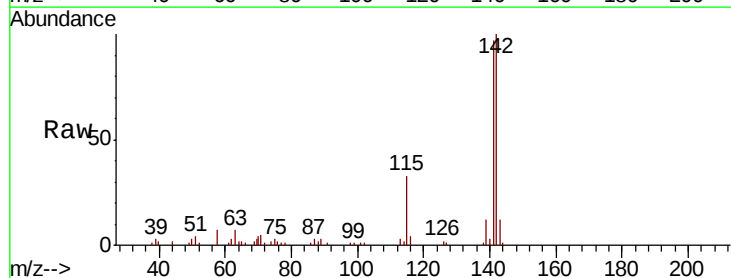
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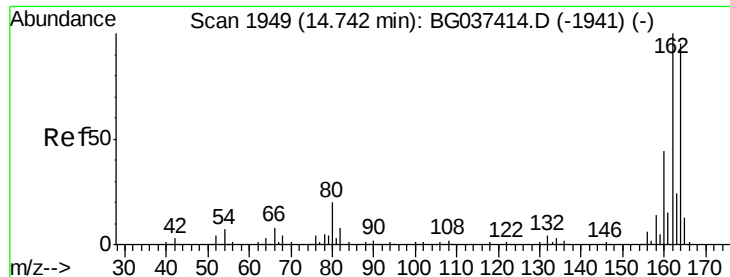
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#38
 1-Methylnaphthalene
 Concen: 5.593 ng
 RT: 12.79 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.6	75.2	112.8
116	3.7	3.3	4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

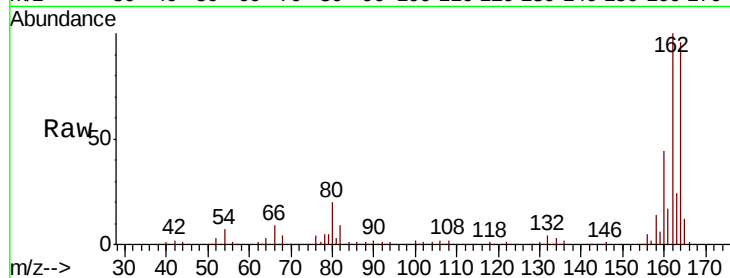
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

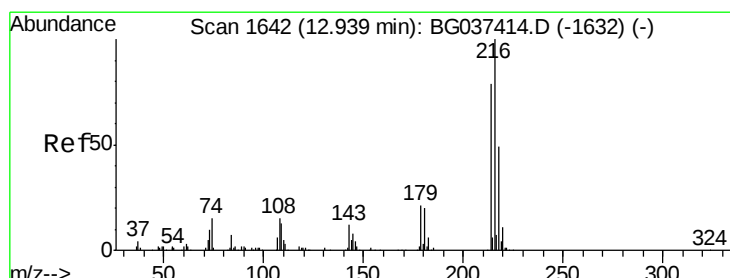
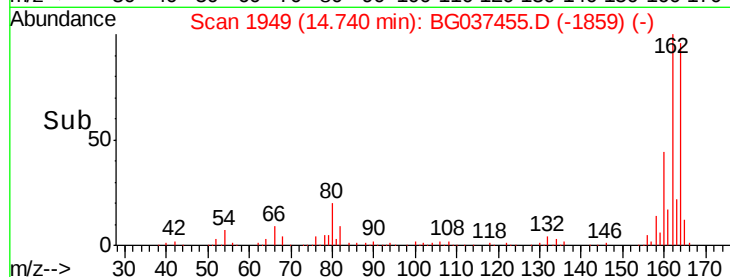
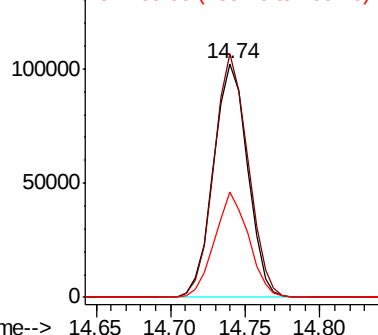
Tgt Ion:	164	Resp:	162075
Ion Ratio	Lower	Upper	
164	100		
162	104.1	81.3	121.9
160	45.3	36.3	54.5

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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.798 ng

RT: 12.94 min Scan# 1642

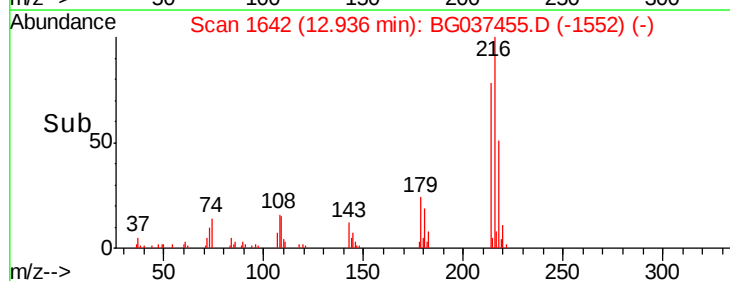
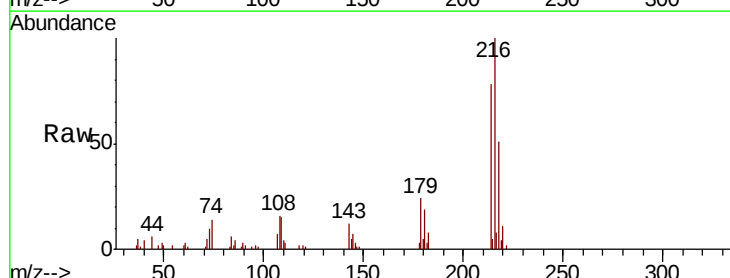
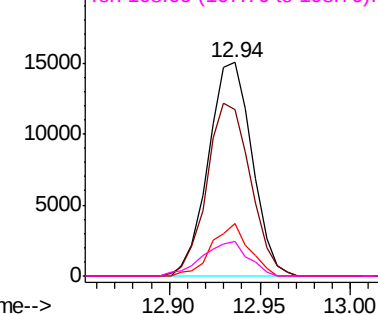
Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Tgt Ion:	216	Resp:	25081
Ion Ratio	Lower	Upper	
216	100		
214	81.4	63.8	95.6
179	20.8	17.4	26.0
108	16.8	13.9	20.9

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





#41

Hexachlorocyclopentadiene

Concen: 5.004 ng

RT: 12.91 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

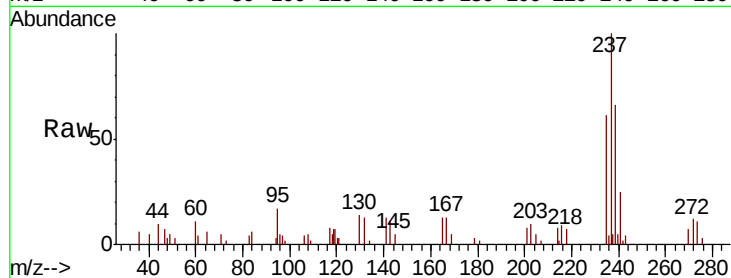
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

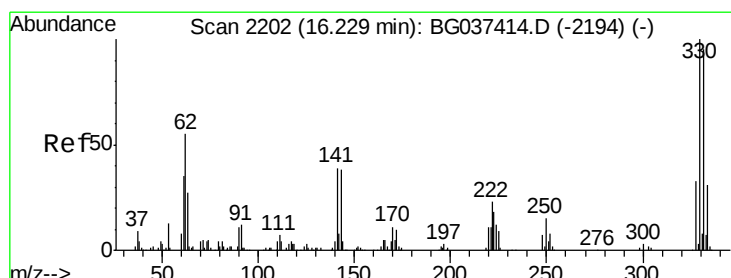
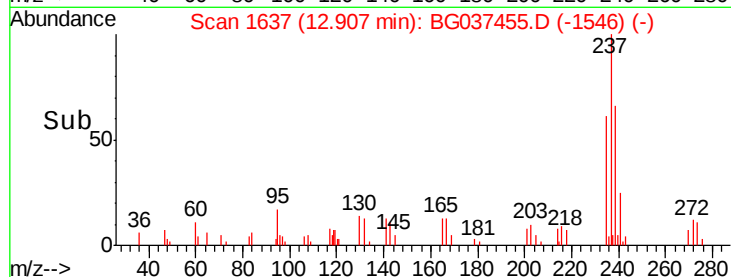
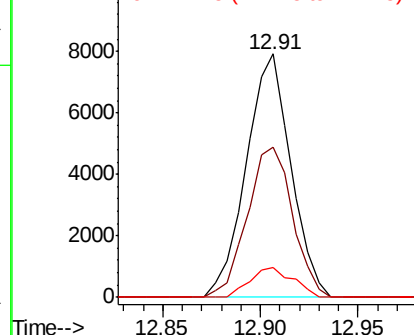
Tgt Ion:	237	Resp:	12497
Ion Ratio	Lower	Upper	
237	100		
235	65.1	42.5	82.5
272	12.3	0.0	31.6

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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: 135.130 ng

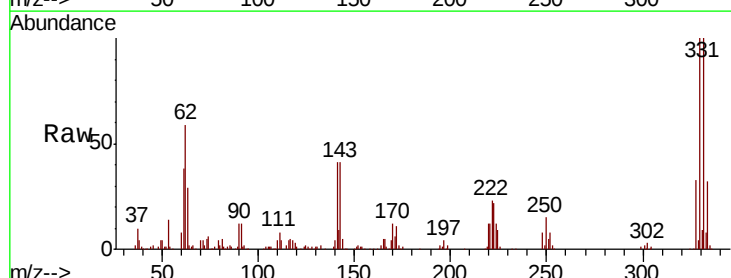
RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

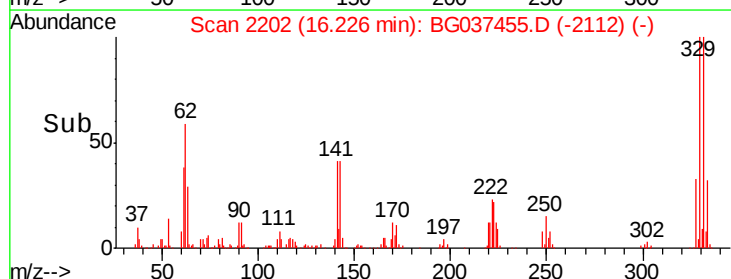
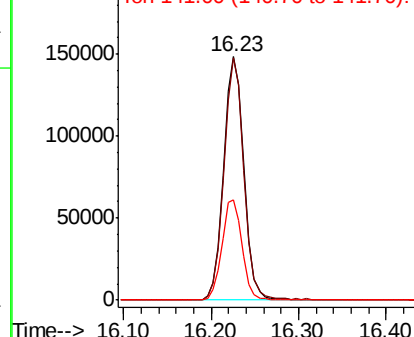
Lab File: BG037455.D

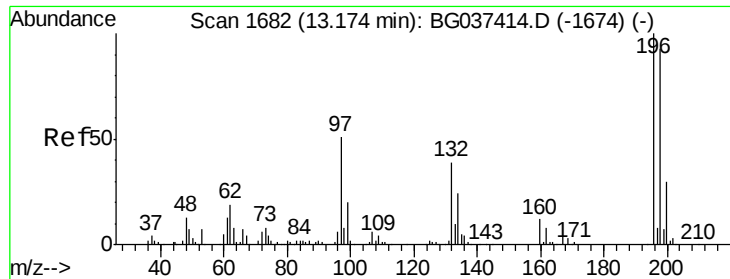
Acq: 19 Oct 2018 15:57

Tgt Ion:	330	Resp:	238874
Ion Ratio	Lower	Upper	
330	100		
332	96.9	78.4	117.6
141	41.1	32.2	48.2



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





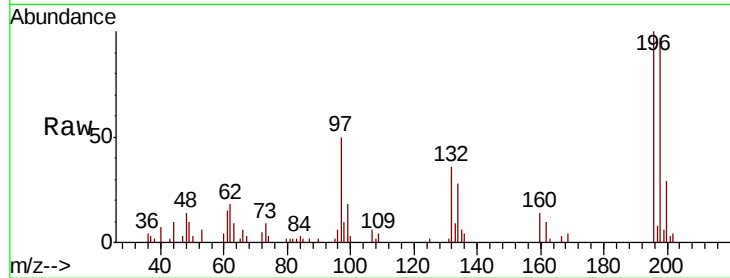
#43
 2,4,6-Trichlorophenol
 Concen: 4.223 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	14749		
198	97.1	76.4	114.6	
200	29.2	24.9	37.3	

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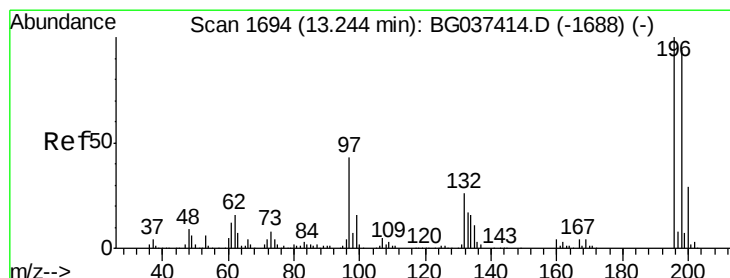
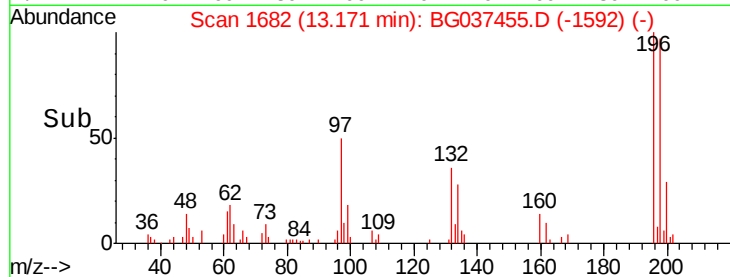
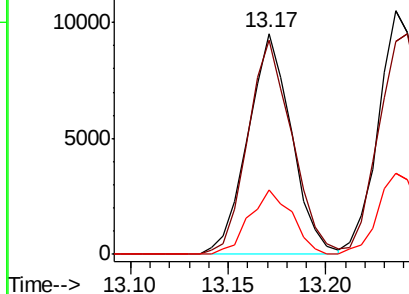


Abundance

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: 4.660 ng
 RT: 13.24 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	17721		
198	87.3	74.2	111.2	
97	41.8	34.1	51.1	
132	23.5	20.2	30.4	

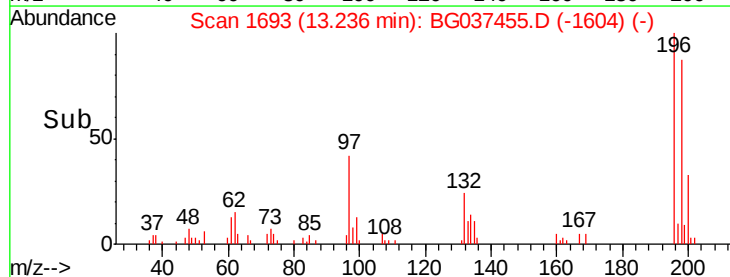
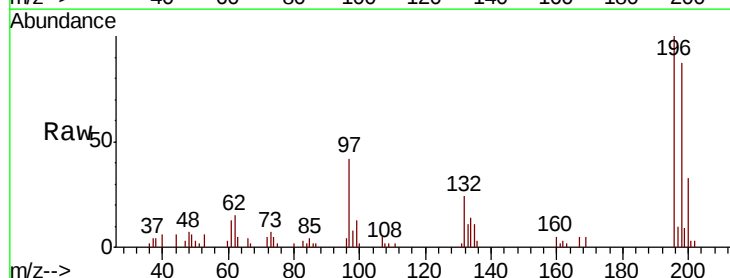
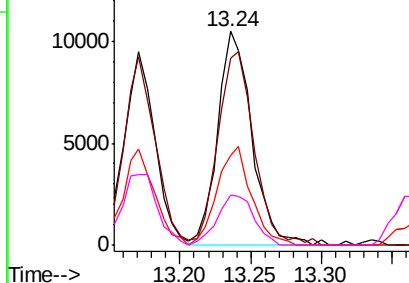
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E





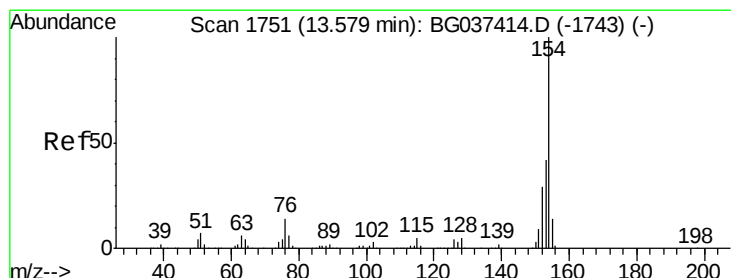
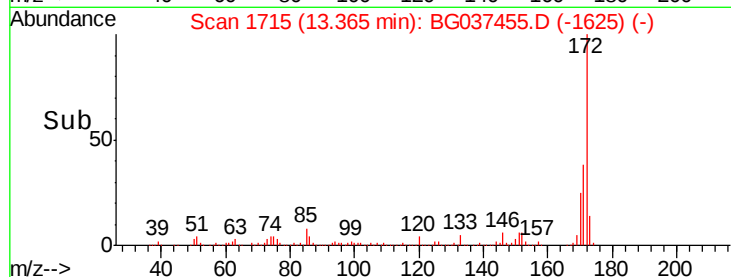
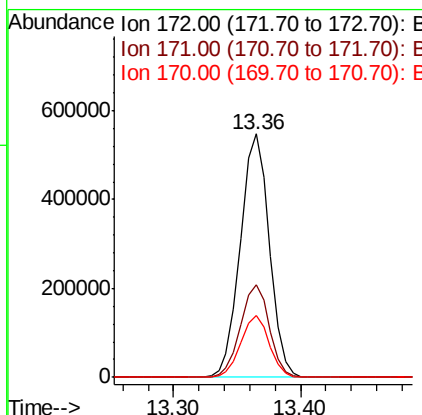
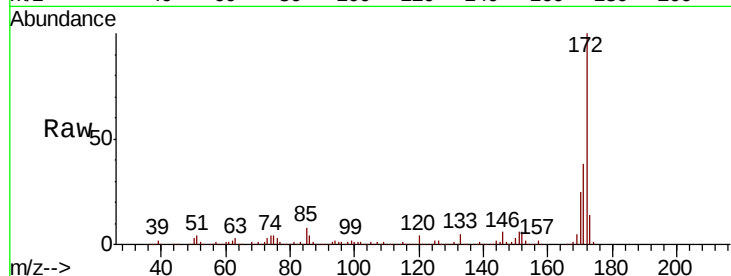
#45
2-Fluorobiphenyl
Concen: 80.854 ng
RT: 13.36 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.0	46.4
170	25.4	20.2	30.2

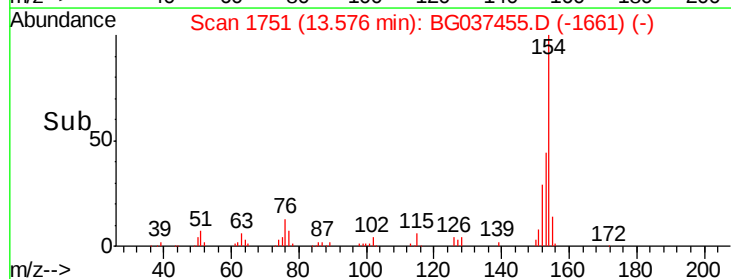
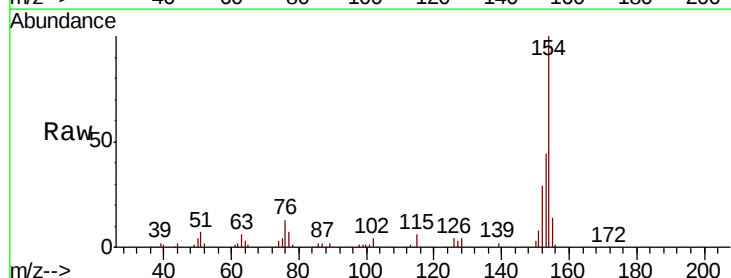
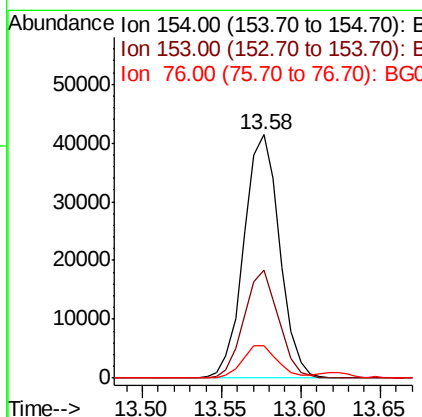
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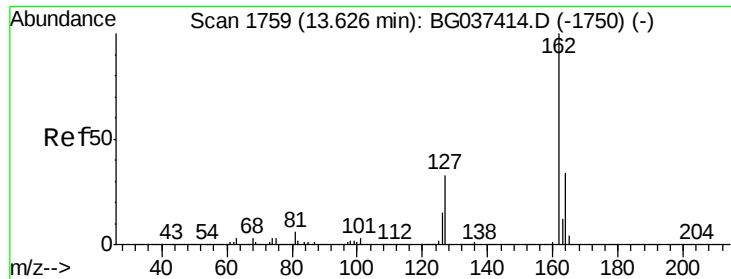
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#46
1,1'-Biphenyl
Concen: 4.830 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
154	100		
153	44.5	22.1	62.1
76	13.3	0.0	33.2





#47

2-Chloronaphthalene

Concen: 4.984 ng

RT: 13.62 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

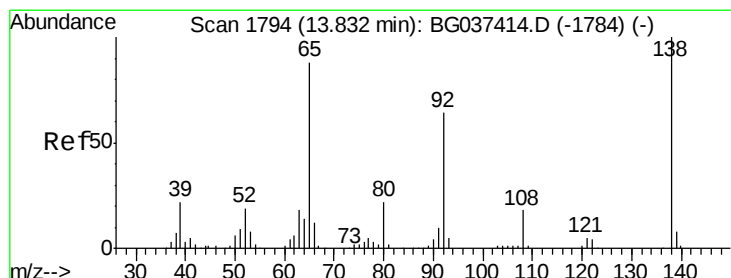
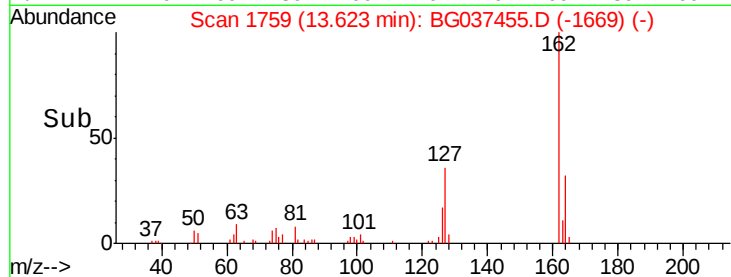
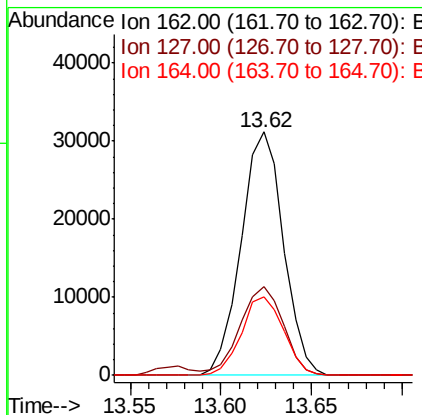
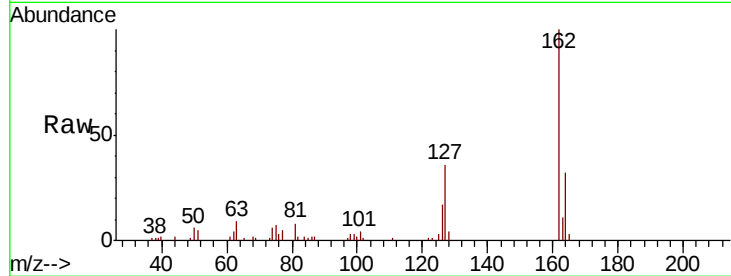
ClientSampleId :

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Tgt Ion:	162	Resp:	50607
Ion Ratio		Lower	Upper
162	100		
127	36.3	30.5	45.7
164	32.3	26.4	39.6

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#48

2-Nitroaniline

Concen: 4.375 ng

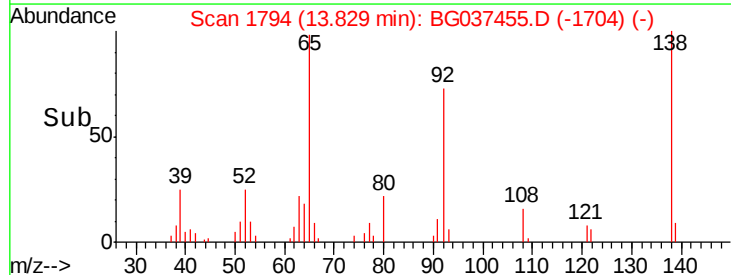
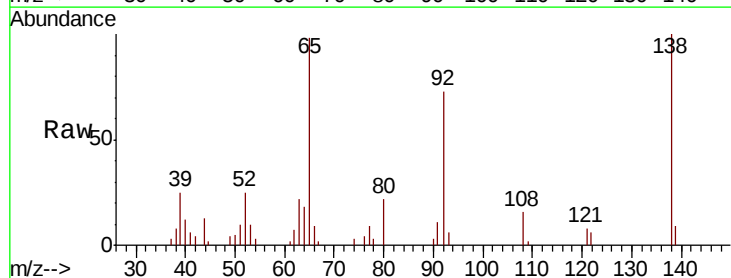
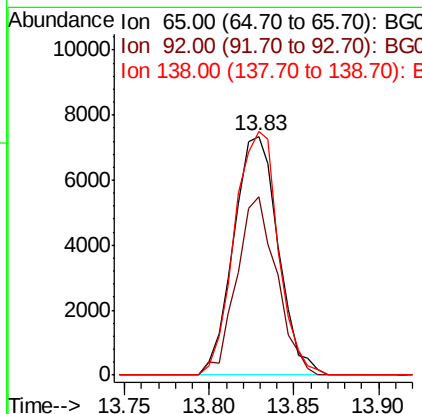
RT: 13.83 min Scan# 1794

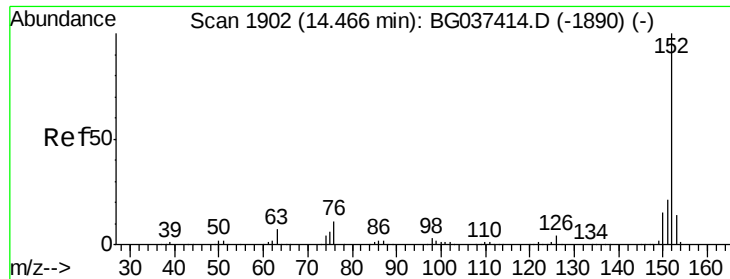
Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Tgt Ion:	65	Resp:	13472
Ion Ratio		Lower	Upper
65	100		
92	74.4	53.2	79.8
138	101.9	79.3	118.9





#49

Acenaphthylene

Concen: 5.462 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

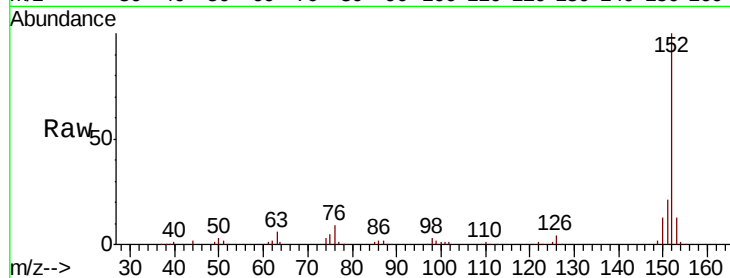
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

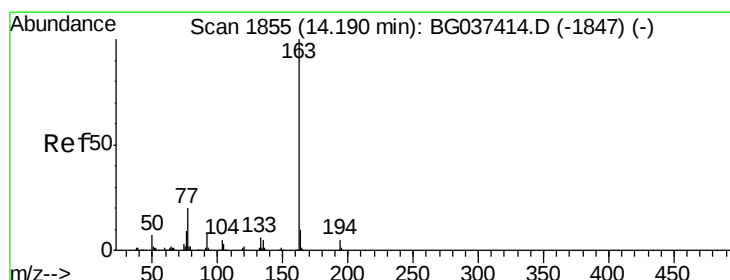
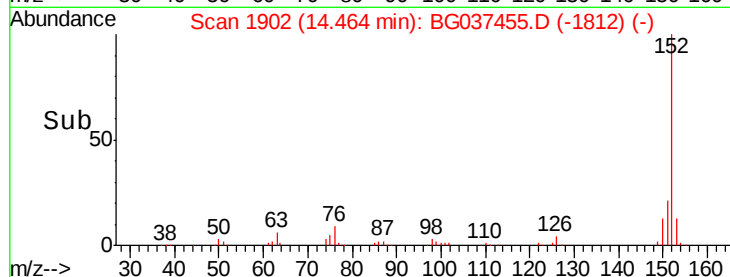
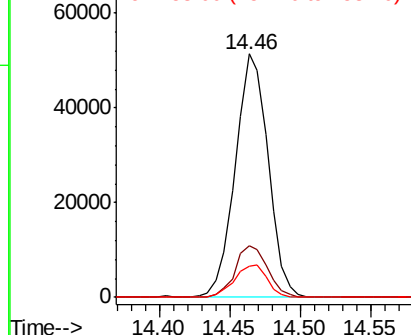
Tgt Ion:	152	Resp:	83435
Ion Ratio	Lower	Upper	
152	100		
151	21.1	17.1	25.7
153	13.0	11.1	16.7

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.287 ng

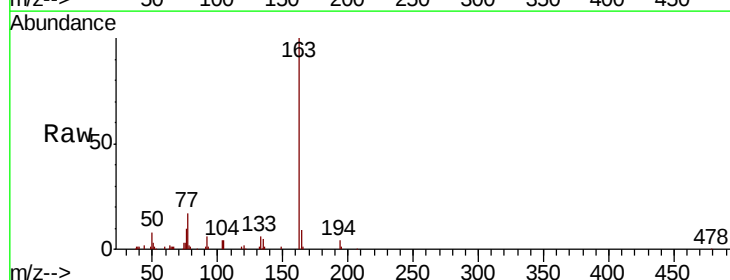
RT: 14.19 min Scan# 1855

Delta R.T. -0.00 min

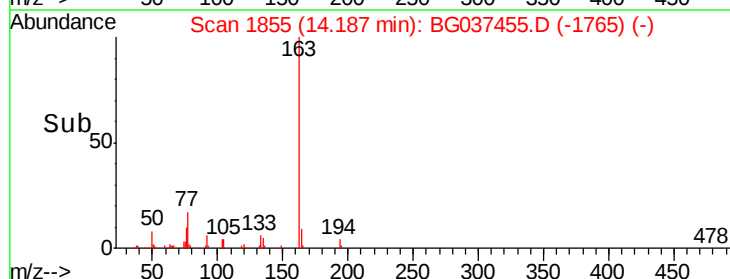
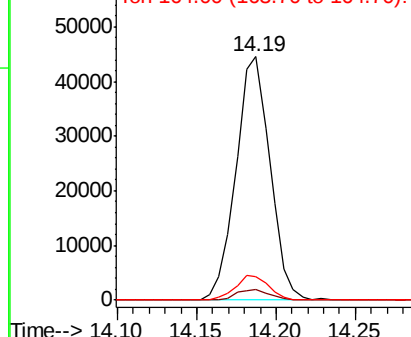
Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Tgt Ion:	163	Resp:	66294
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.5	5.3
164	9.4	8.5	12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 4.466 ng

RT: 14.32 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

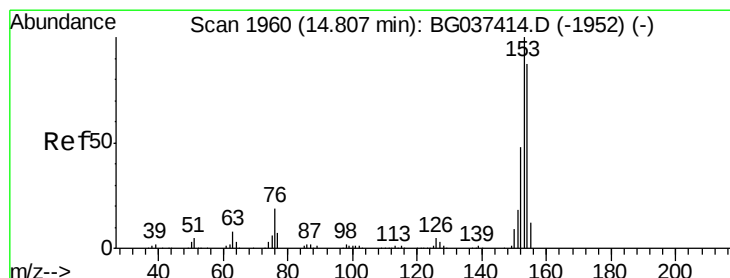
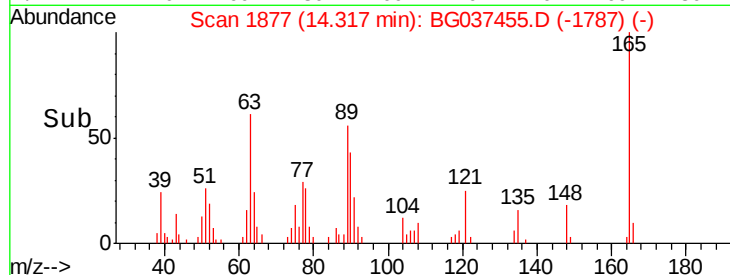
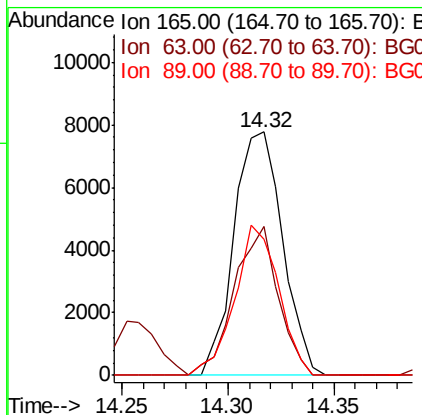
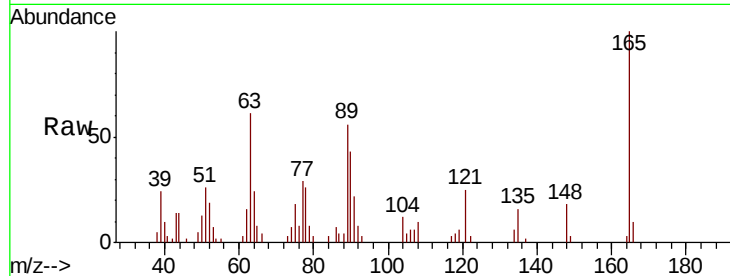
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	165	Resp:	12388
Ion Ratio	Lower	Upper	
165	100		
63	61.4	43.4	65.2
89	55.7	45.8	68.6

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#52

Acenaphthene

Concen: 5.164 ng

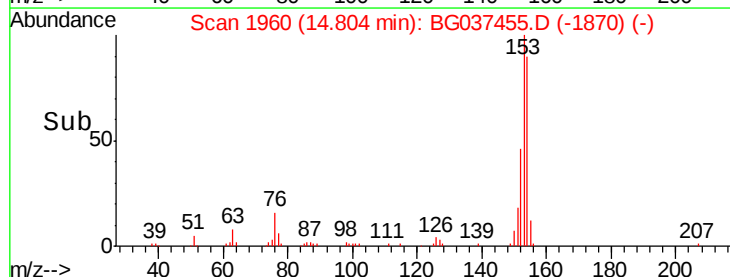
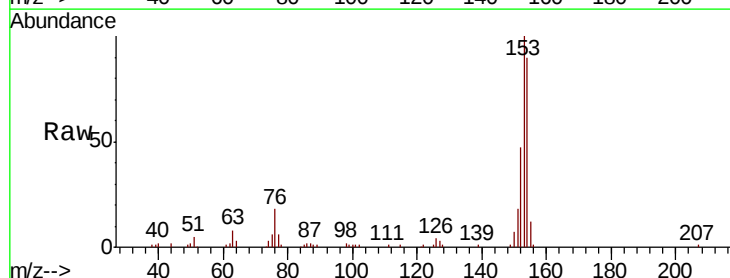
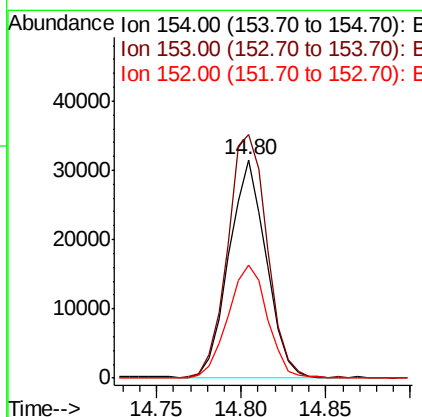
RT: 14.80 min Scan# 1960

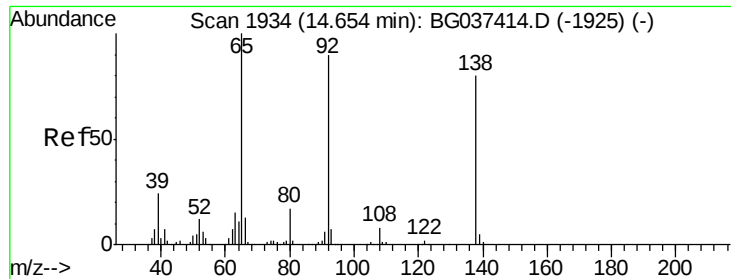
Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Tgt Ion:	154	Resp:	48578
Ion Ratio	Lower	Upper	
154	100		
153	111.5	93.4	140.0
152	51.9	44.7	67.1





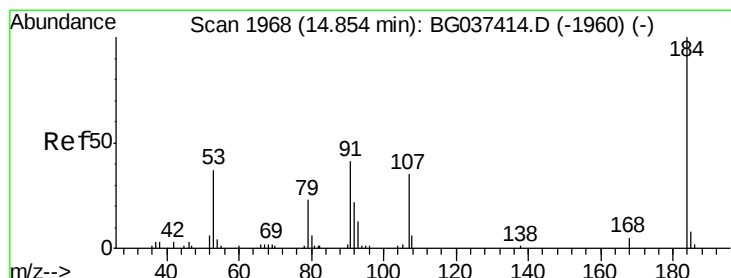
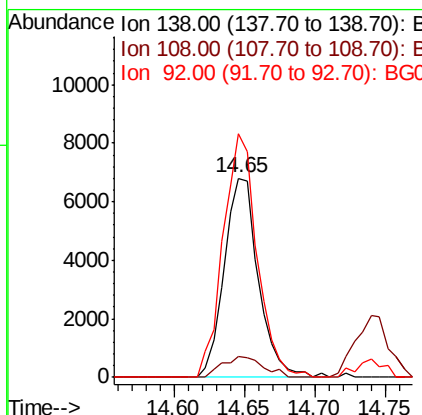
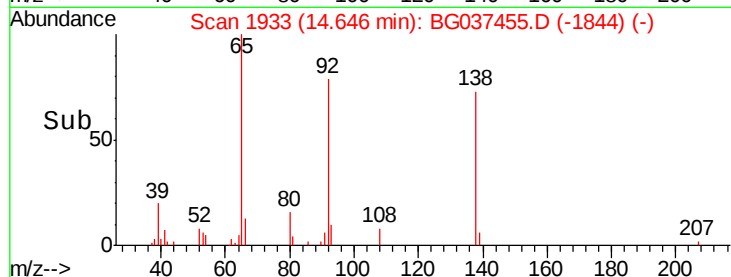
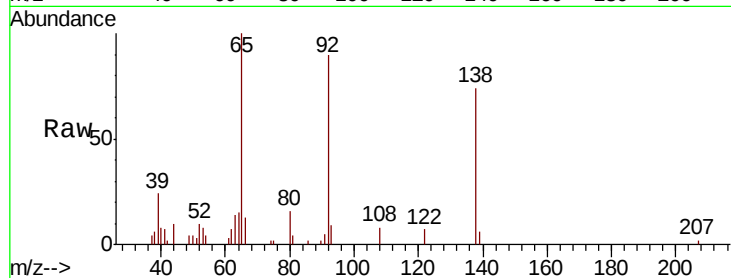
#53
3-Nitroaniline
Concen: 3.733 ng
RT: 14.65 min Scan# 1933
Delta R.T. -0.01 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion:138 Resp: 11494
Ion Ratio Lower Upper
138 100
108 10.5 11.0 16.6#
92 122.2 95.2 142.8

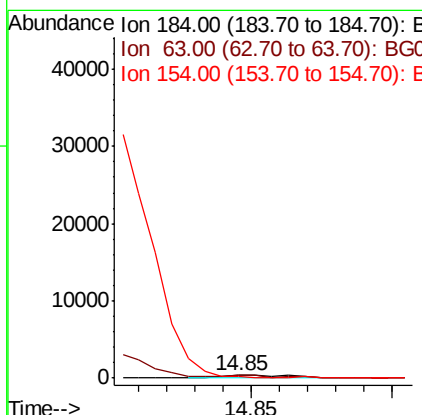
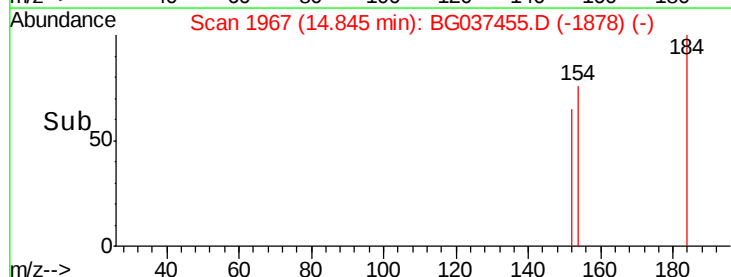
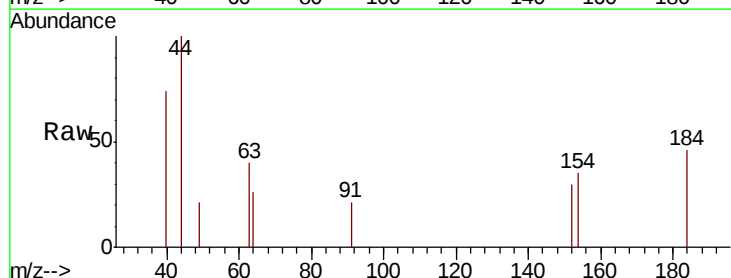
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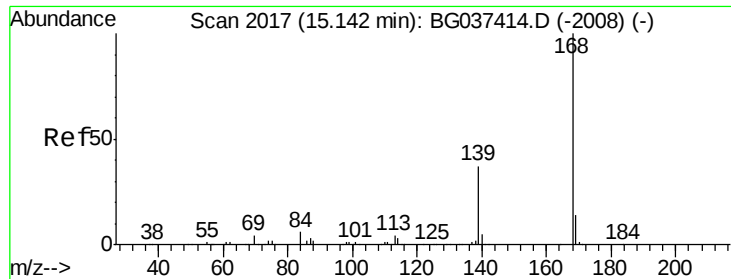
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#54
2,4-Dinitrophenol
Concen: 7.064 ng
RT: 14.85 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion:184 Resp: 606
Ion Ratio Lower Upper
184 100
63 88.0 42.6 63.8#
154 76.0 41.8 62.6#





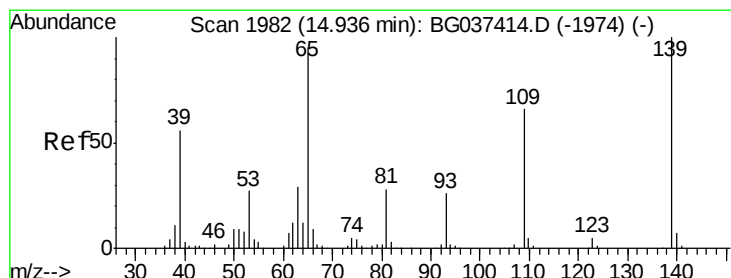
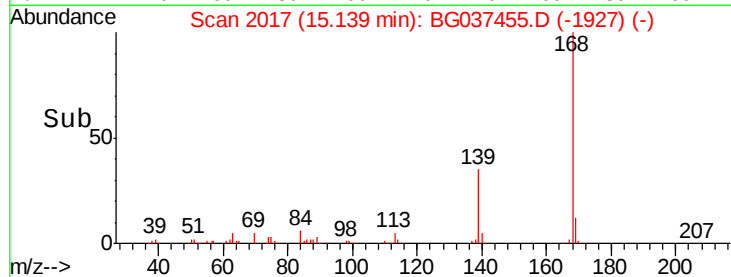
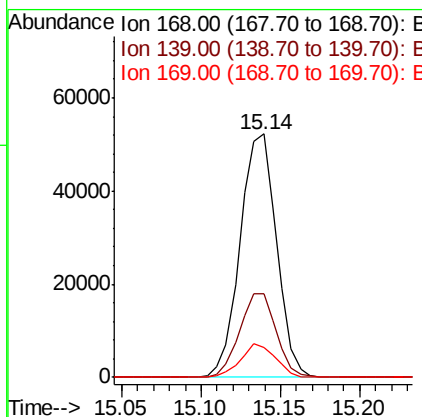
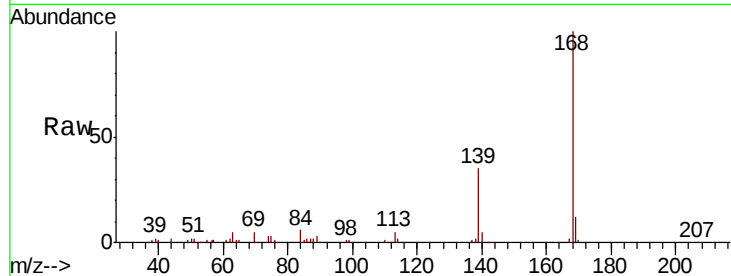
#55
Dibenzenofuran
Concen: 5.334 ng
RT: 15.14 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.6	29.4	44.0
169	12.3	11.0	16.6

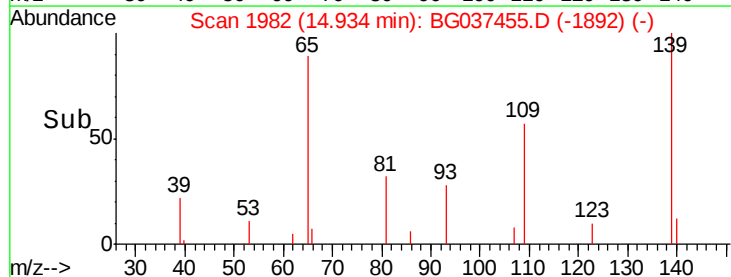
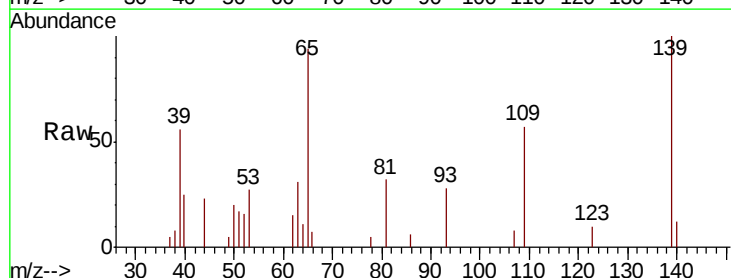
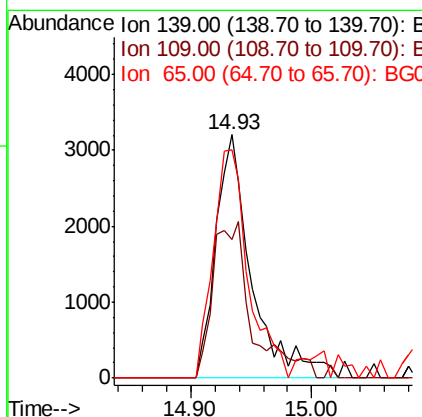
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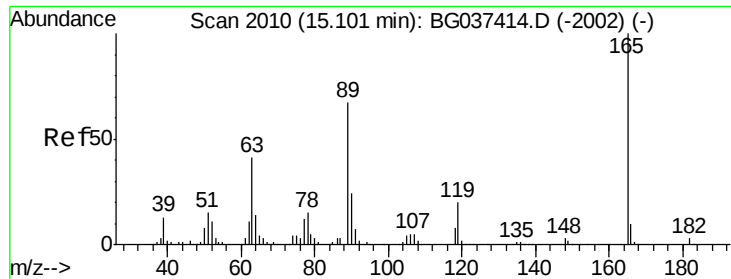
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#56
4-Nitrophenol
Concen: 2.889 ng
RT: 14.93 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
139	100		
109	57.2	49.5	89.5
65	93.9	76.8	116.8





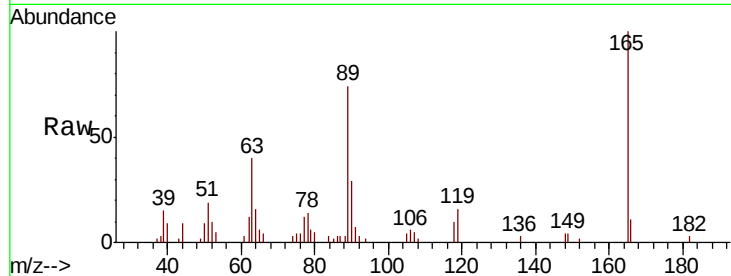
#57
2,4-Dinitrotoluene
Concen: 4.370 ng
RT: 15.10 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	15913		
63	40.1	33.4	50.0	
89	74.3	57.2	85.8	
182	3.0	2.6	4.0	

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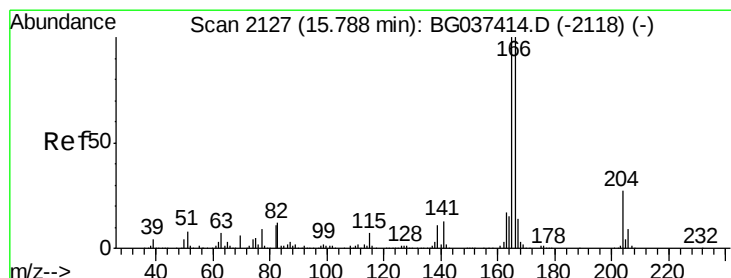
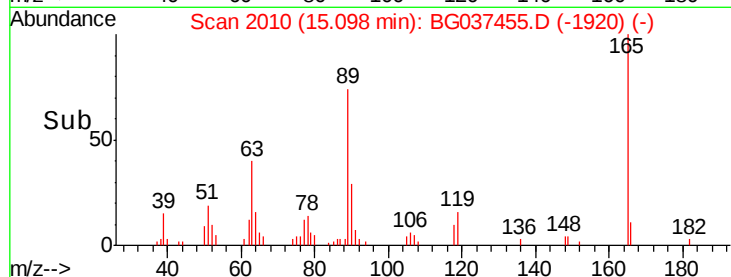
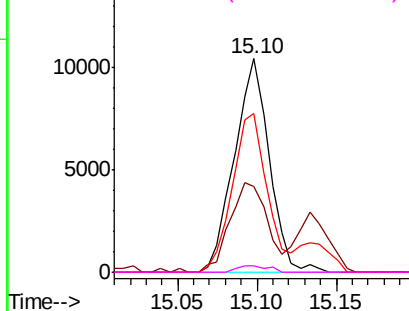
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

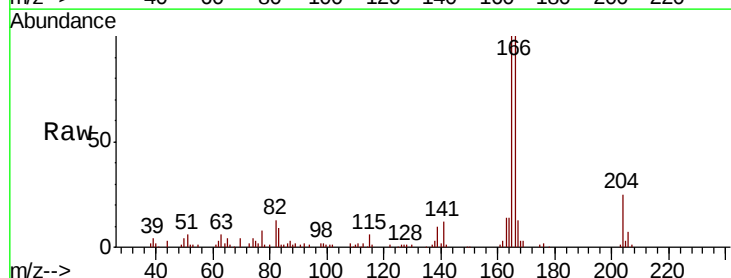
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 5.644 ng
RT: 15.79 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	65878		
165	100.5	79.0	118.6	
167	13.5	11.3	16.9	

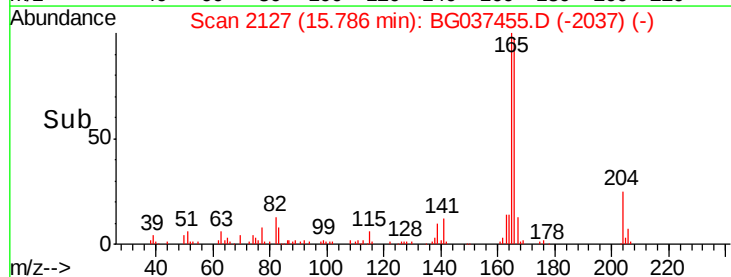
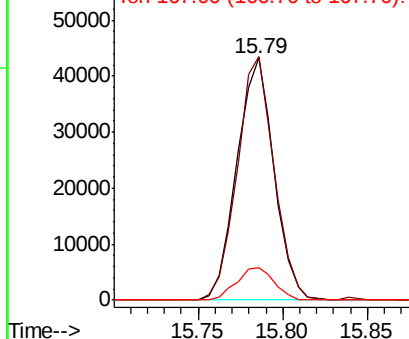


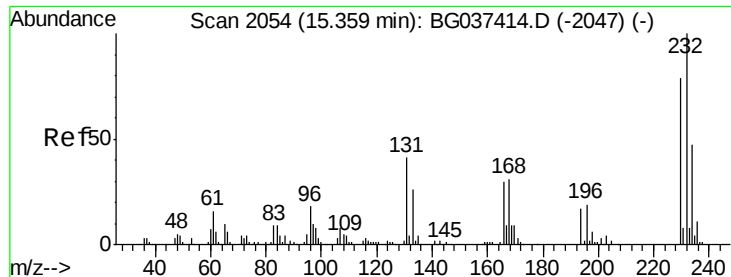
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





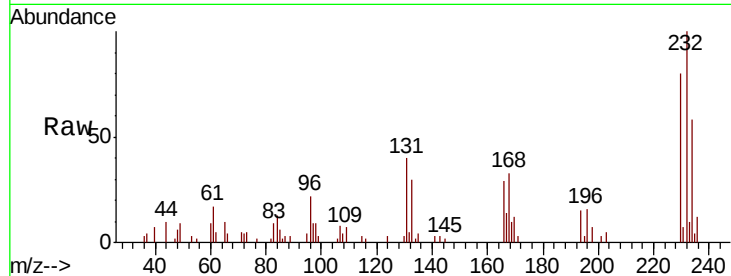
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.540 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.01 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

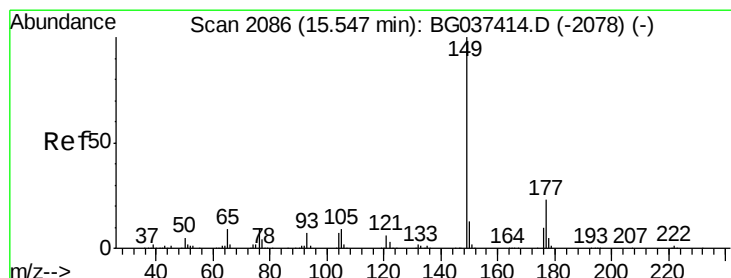
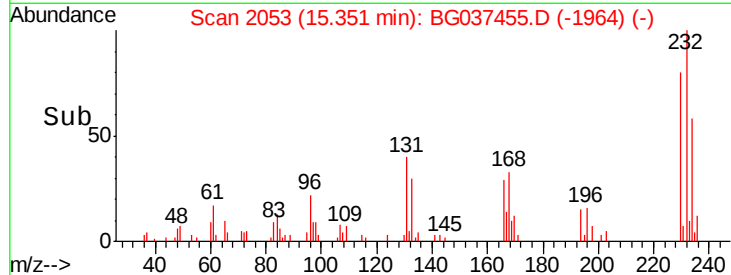
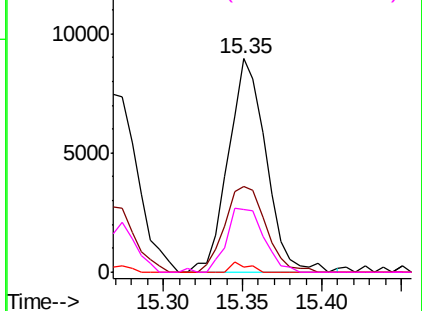
Tgt Ion	Ratio	Lower	Upper
232	100		
131	43.7	33.7	50.5
130	2.2	2.1	3.1
166	29.8	24.6	36.8

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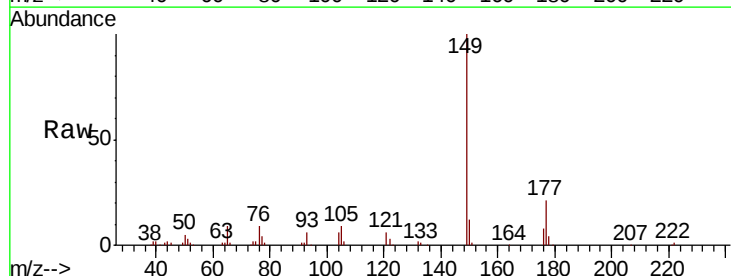


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

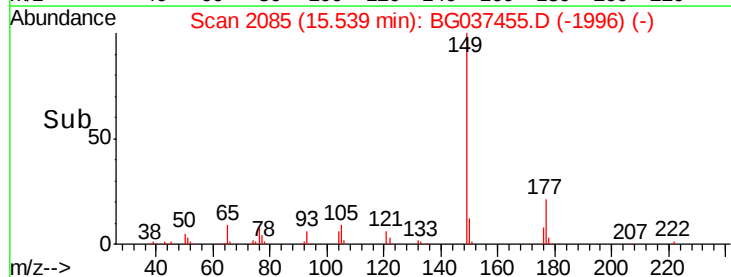
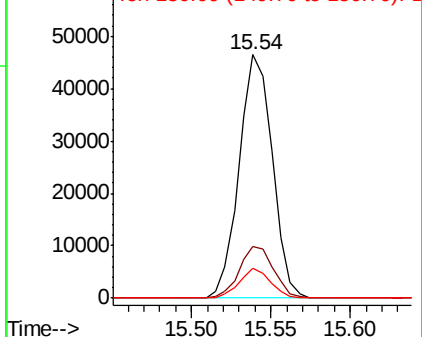


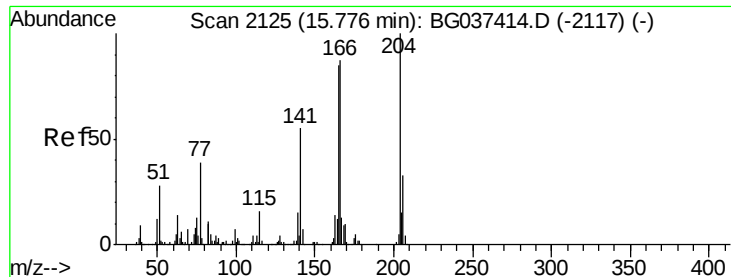
#60
 Diethylphthalate
 Concen: 5.242 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.0	18.3	27.5
150	12.5	10.0	15.0



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





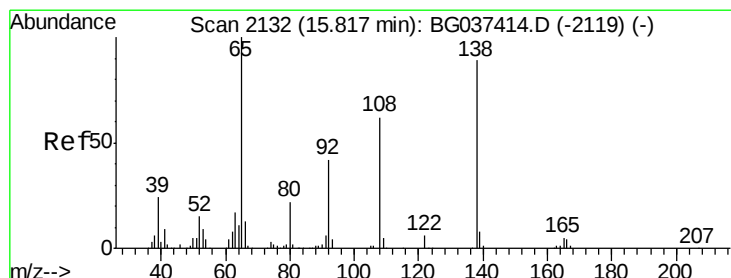
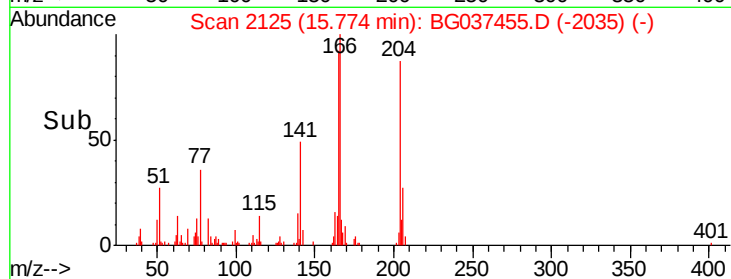
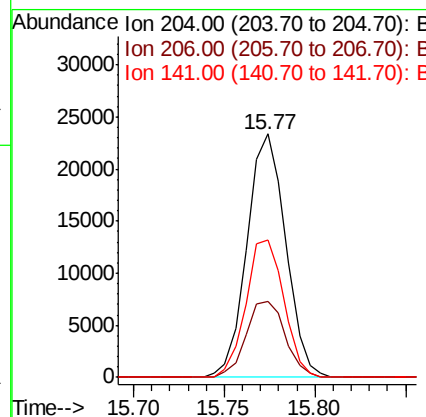
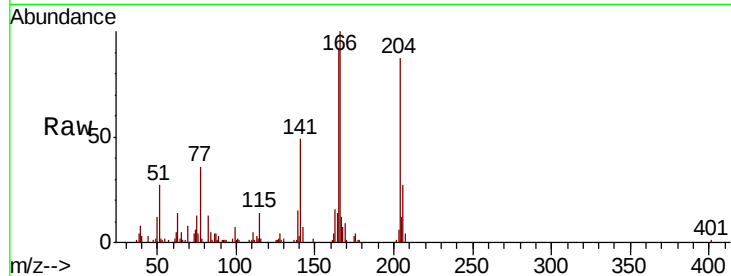
#61
4-Chlorophenyl-phenylether
Concen: 5.096 ng
RT: 15.77 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
204	100		
206	31.4	26.6	39.8
141	56.2	45.4	68.2

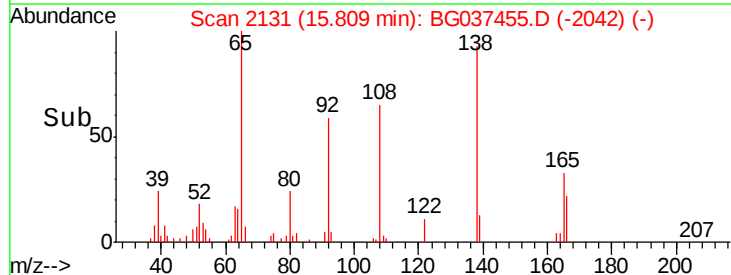
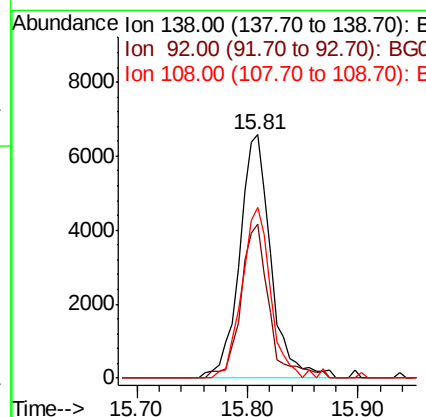
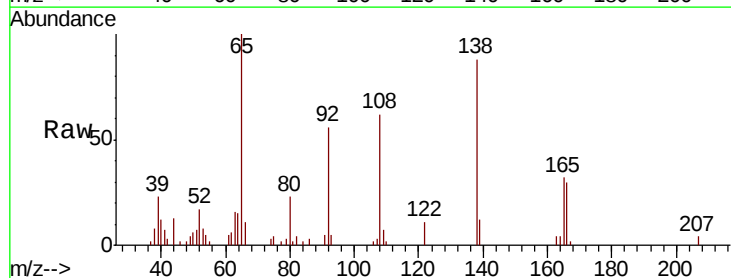
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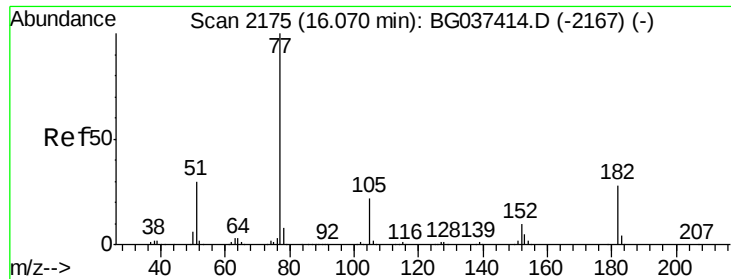
Sohil
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#62
4-Nitroaniline
Concen: 4.286 ng
RT: 15.81 min Scan# 2131
Delta R.T. -0.01 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
138	100		
92	63.3	36.4	76.4
108	70.0	60.1	100.1





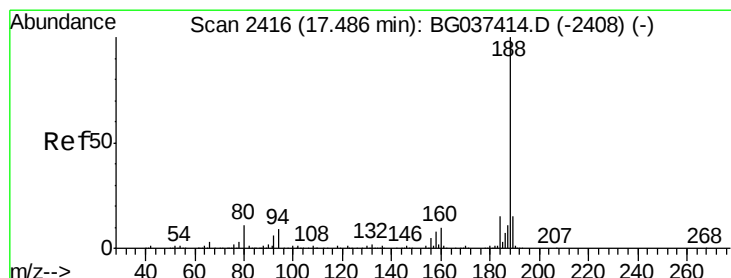
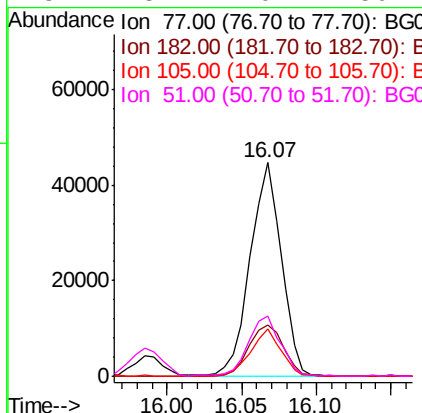
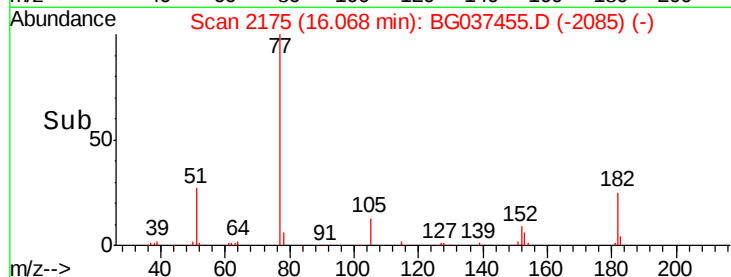
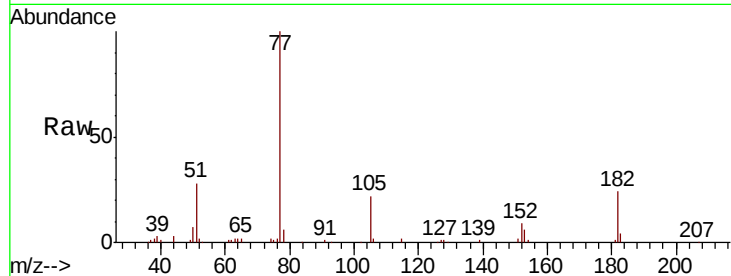
#63
Azobenzene
Concen: 5.277 ng
RT: 16.07 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.0	8.0	48.0
105	21.9	1.3	41.3
51	28.4	10.7	50.7

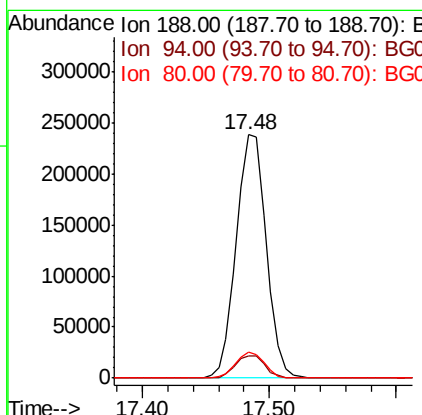
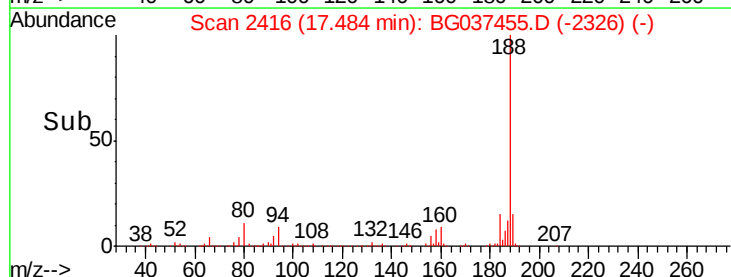
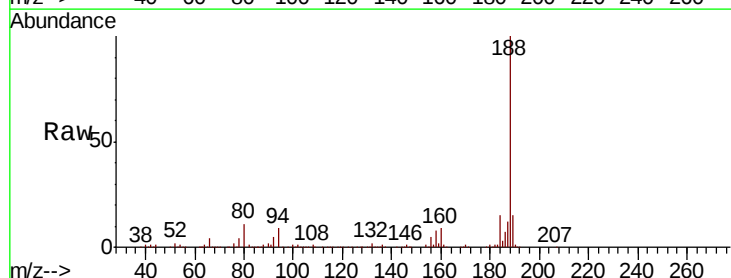
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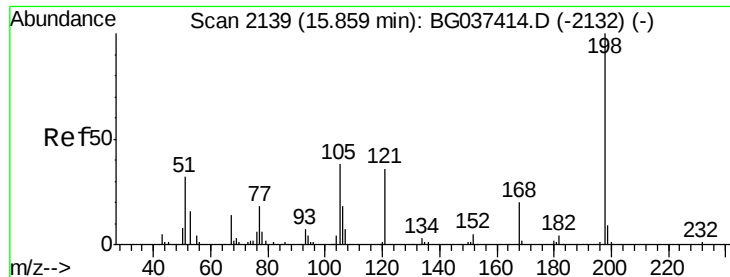
Sohil
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.5	7.7	11.5





#65

4,6-Dinitro-2-methylphenol

Concen: 9.763 ng

RT: 15.85 min Scan# 2138

Delta R.T. -0.01 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

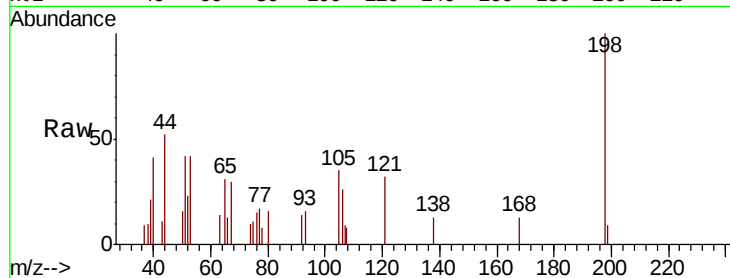
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

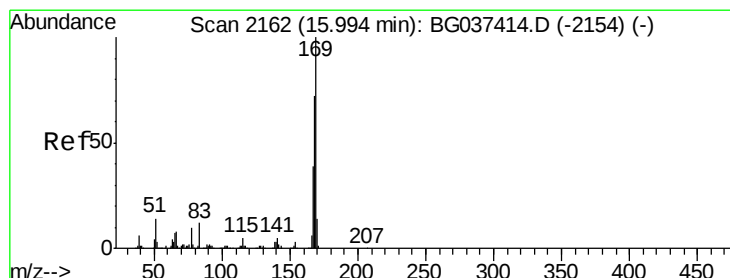
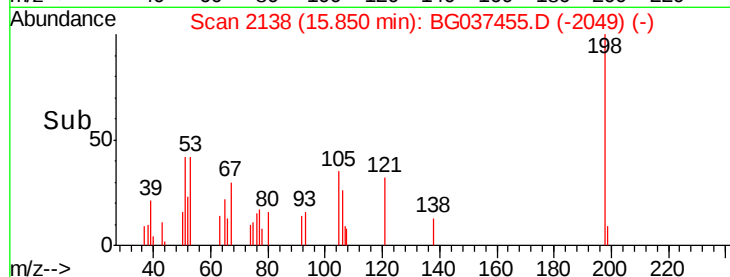
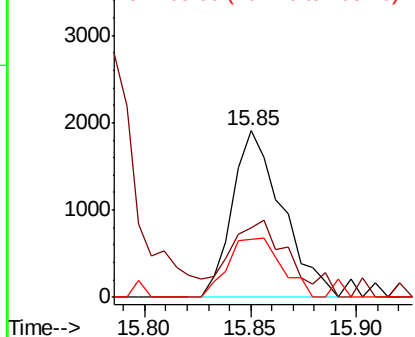
Tgt Ion:	198	Resp:	3125
Ion Ratio	Lower	Upper	
198	100		
51	41.8	22.7	62.7
105	34.8	19.7	59.7

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



#66

n-Nitrosodiphenylamine

Concen: 4.960 ng

RT: 15.99 min Scan# 2161

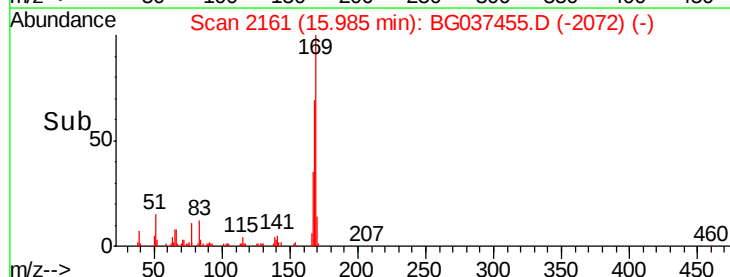
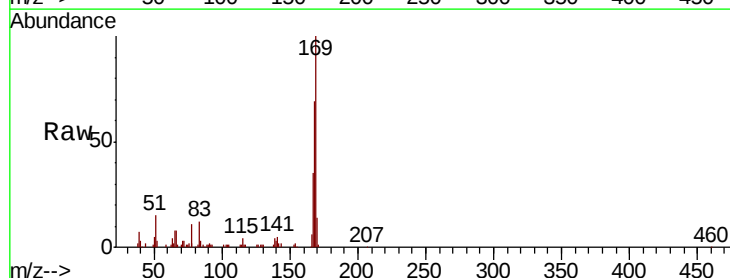
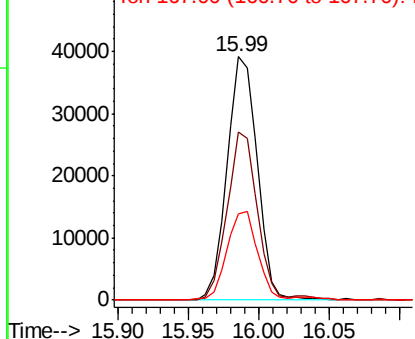
Delta R.T. -0.01 min

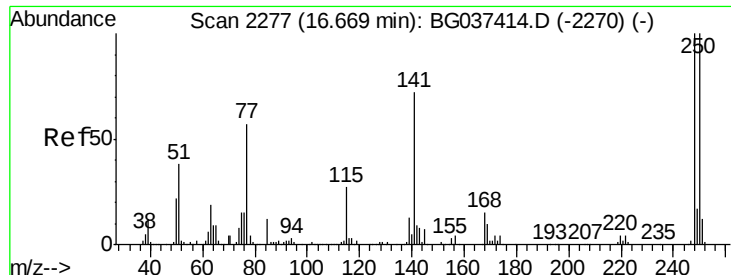
Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Tgt Ion:	169	Resp:	58249
Ion Ratio	Lower	Upper	
169	100		
168	69.1	55.7	83.5
167	35.2	31.3	46.9

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





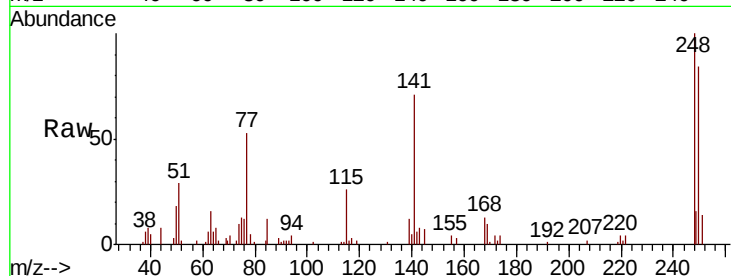
#67
 4-Bromophenyl-phenylether
 Concen: 4.526 ng
 RT: 16.67 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	19404		
250	84.4	77.0	115.6	
141	70.7	55.5	83.3	

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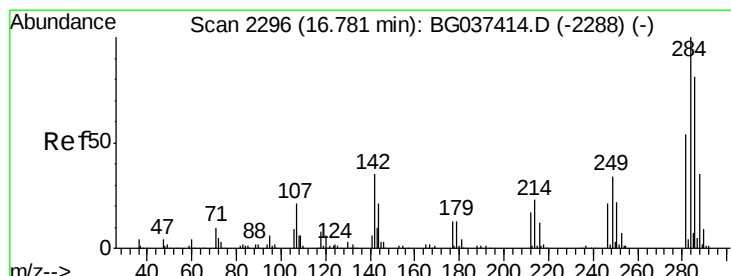
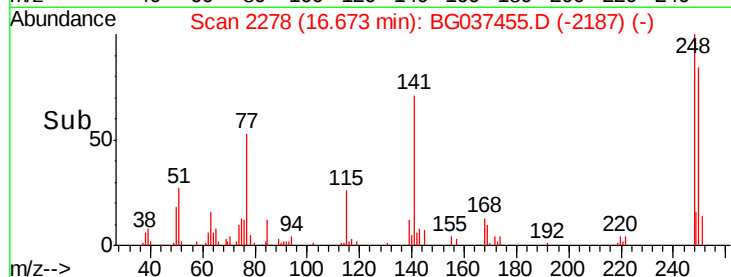
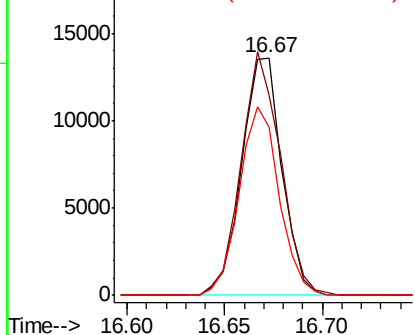


Abundance

Ion 248.00 (247.70 to 248.70): E

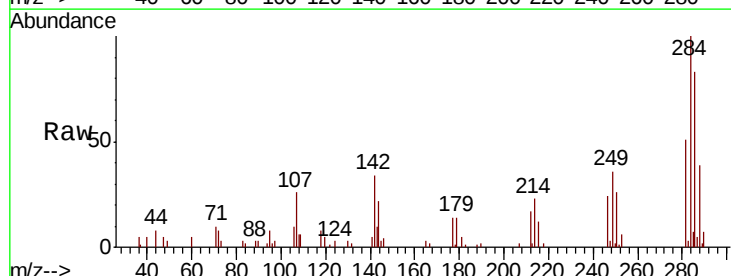
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 4.777 ng
 RT: 16.78 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	21227		
142	34.2	28.1	42.1	
249	37.8	29.8	44.8	

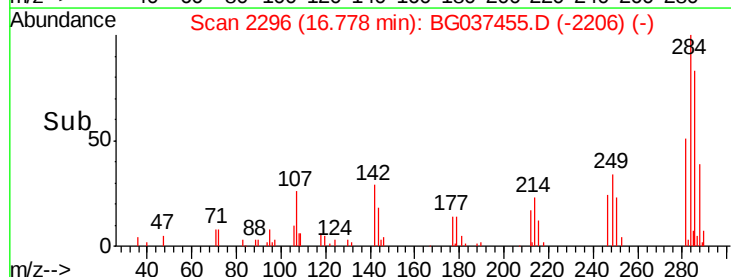
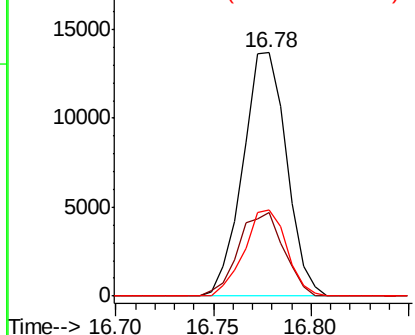


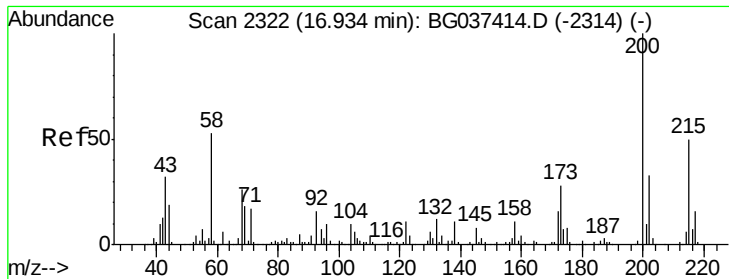
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





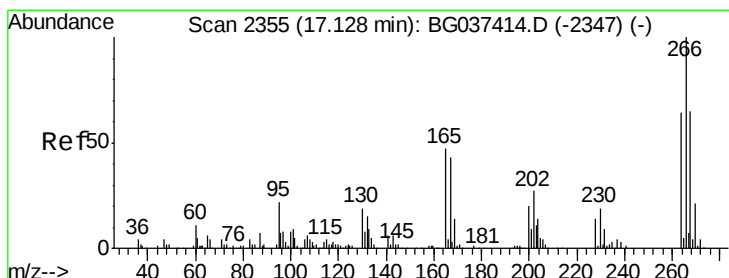
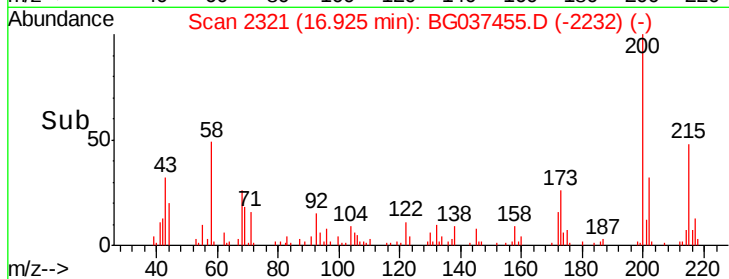
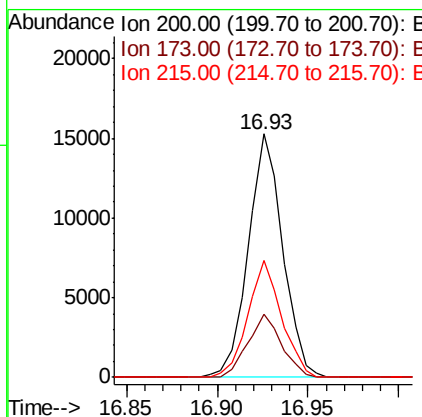
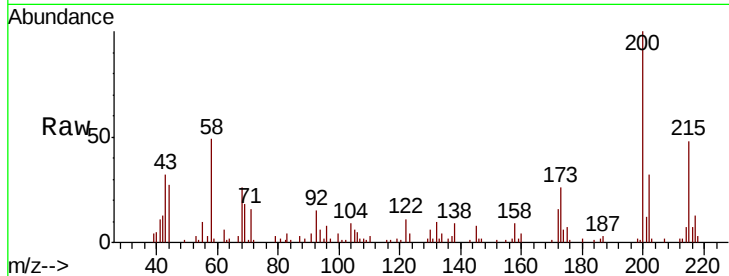
#69
 Atrazine
 Concen: 4.729 ng
 RT: 16.93 min Scan# 2321
 Delta R.T. -0.01 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	25.8	6.1	46.1
215	48.0	30.8	70.8

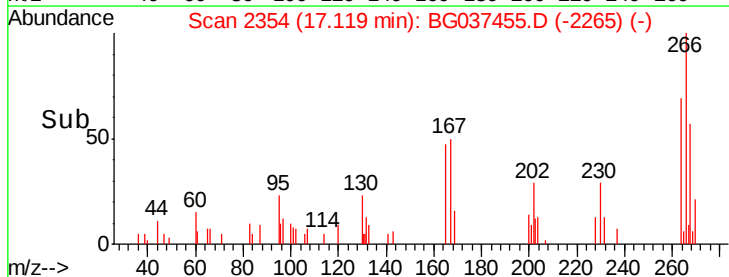
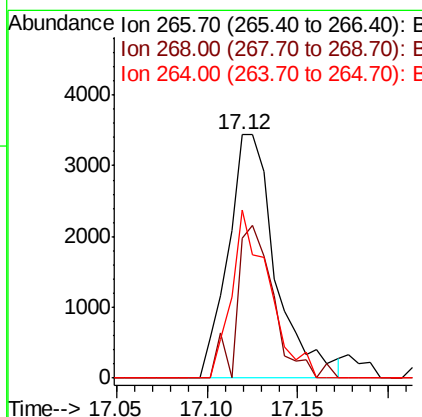
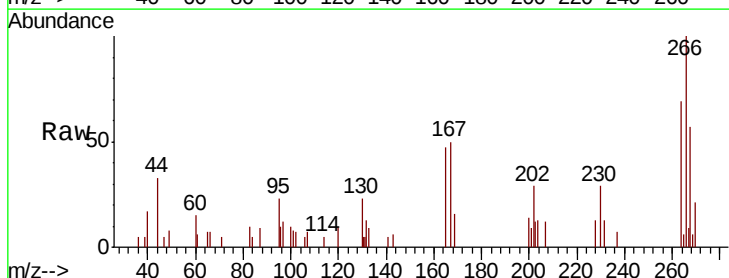
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#70
 Pentachlorophenol
 Concen: 2.110 ng
 RT: 17.12 min Scan# 2354
 Delta R.T. -0.01 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	63.2	55.0	82.6
264	69.0	58.9	88.3





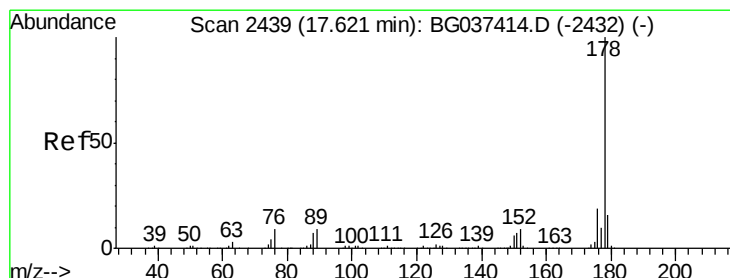
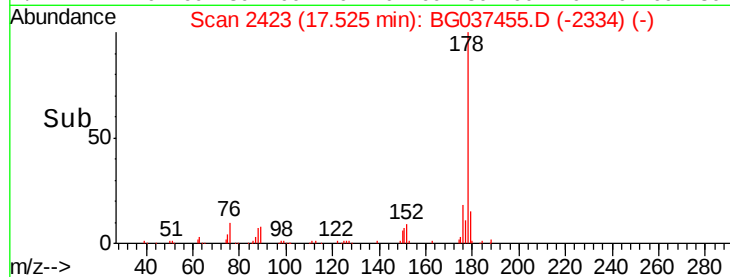
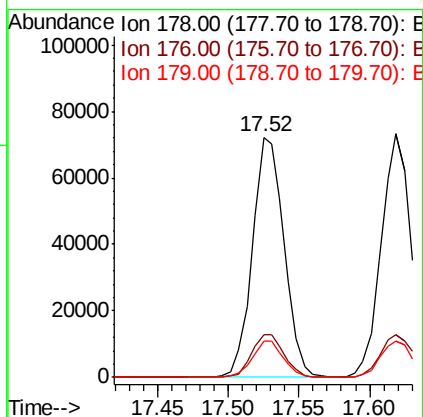
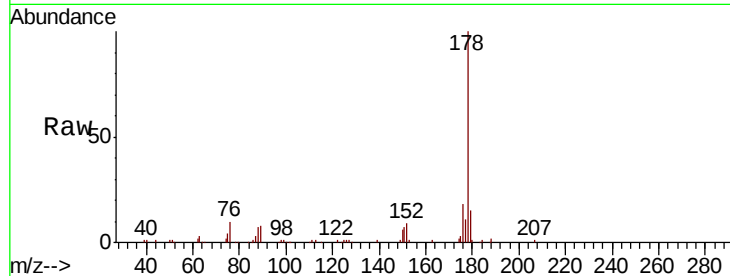
#71
Phenanthrene
Concen: 5.720 ng
RT: 17.52 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	16.1	24.1
179	15.0	13.0	19.4

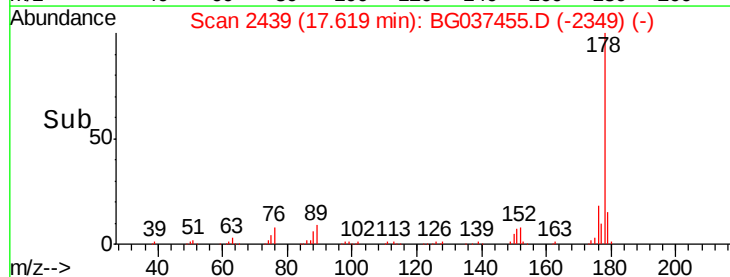
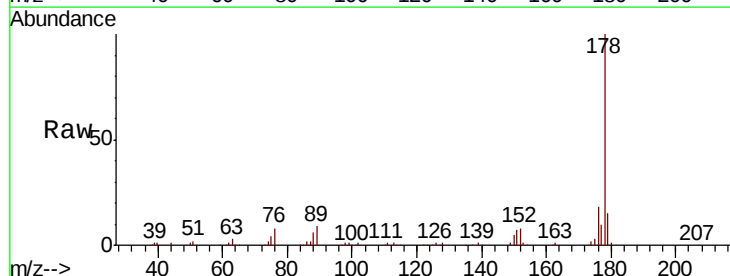
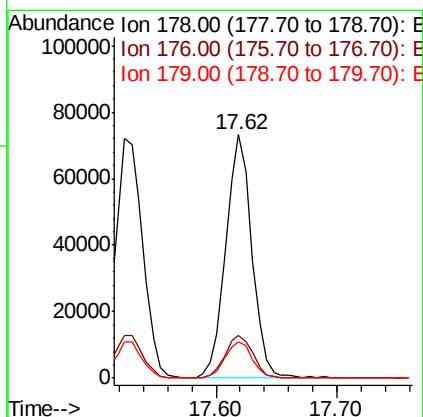
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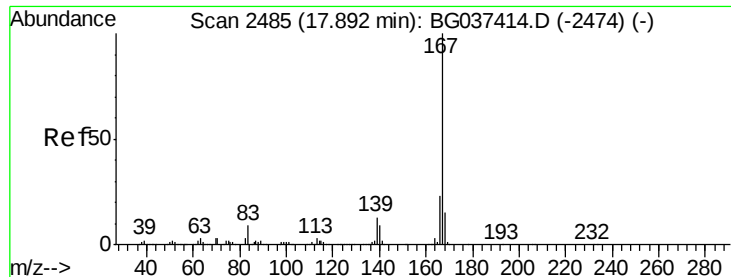
Sohil
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#72
Anthracene
Concen: 5.645 ng
RT: 17.62 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.0	22.4
179	15.1	12.8	19.2





#73

Carbazole

Concen: 4.892 ng

RT: 17.89 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

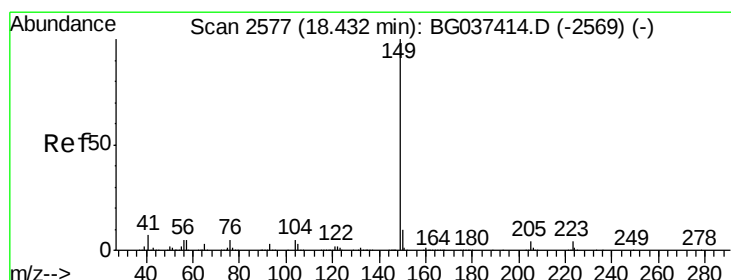
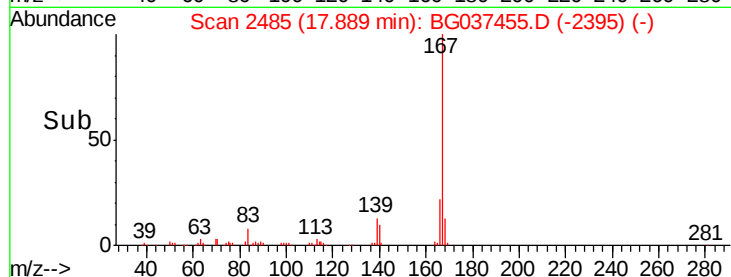
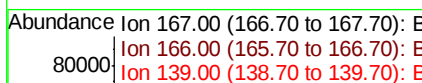
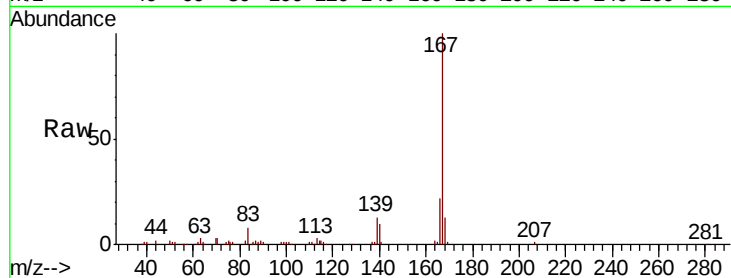
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	167	Resp:	95289
Ion Ratio		Lower	Upper
167	100		
166	22.1	18.3	27.5
139	12.6	10.5	15.7

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#74

Di-n-butylphthalate

Concen: 4.867 ng

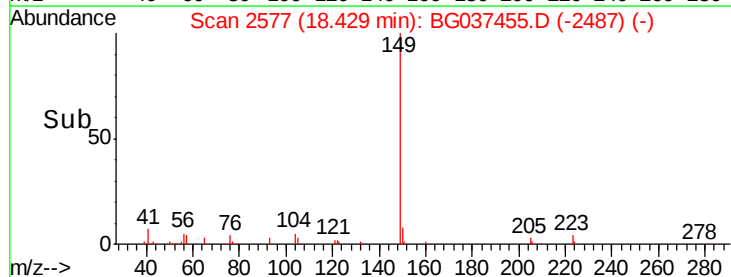
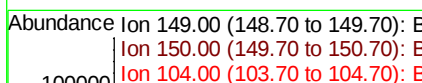
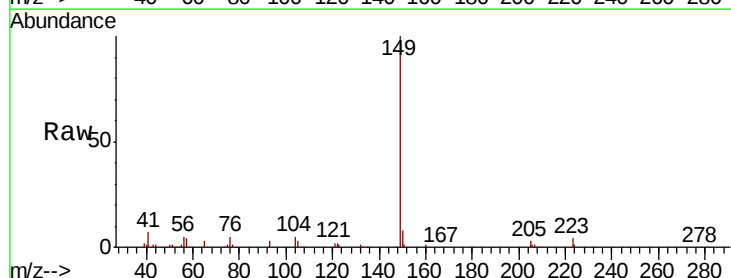
RT: 18.43 min Scan# 2577

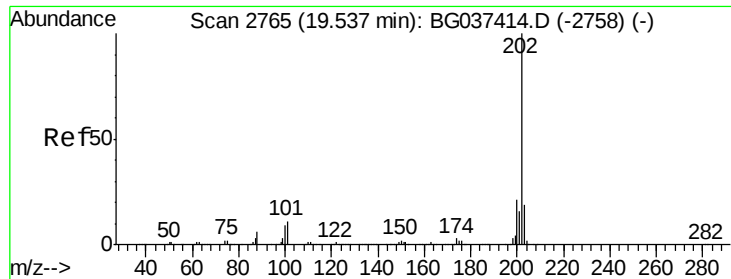
Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Tgt Ion:	149	Resp:	105443
Ion Ratio		Lower	Upper
149	100		
150	8.1	8.2	12.2#
104	5.0	4.0	6.0





#75

Fluoranthene

Concen: 5.590 ng

RT: 19.53 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

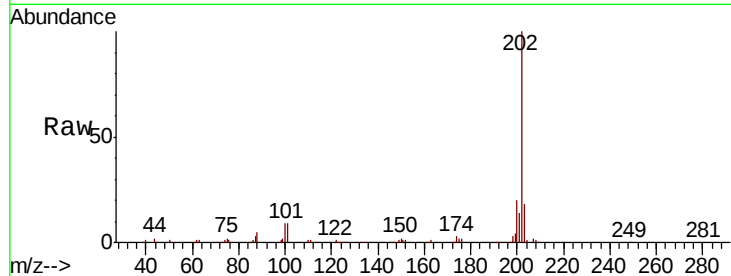
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

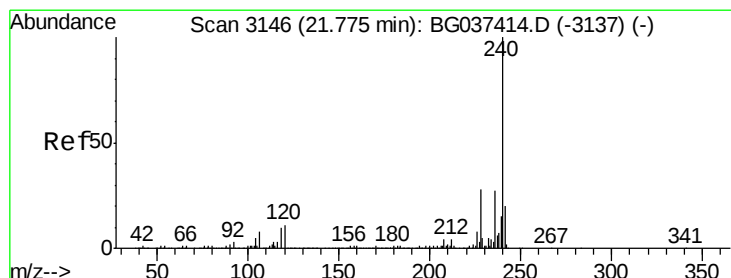
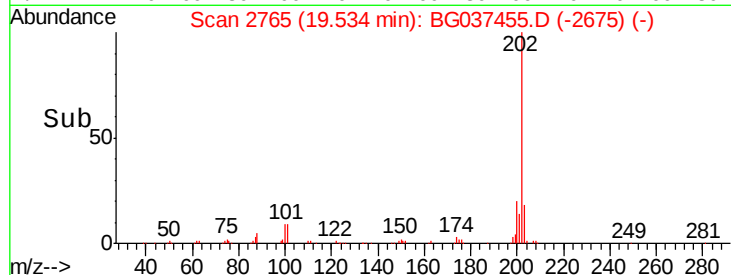
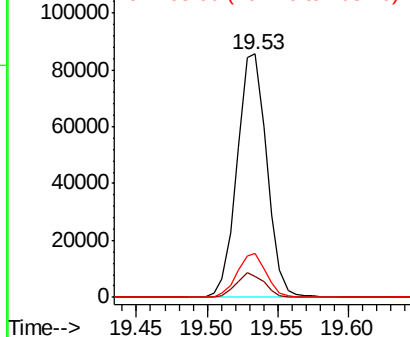
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		125788		
101	8.5	0.0	30.7		
203	18.0	0.0	38.5		

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

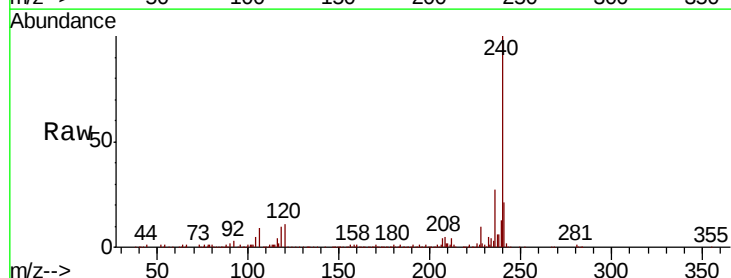
RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

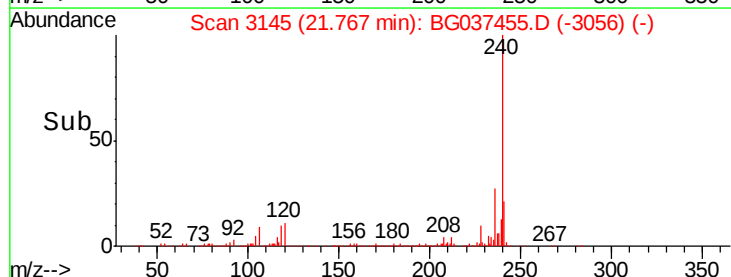
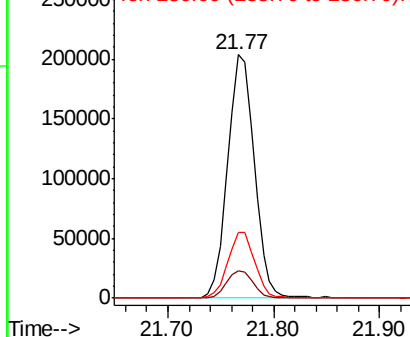
Lab File: BG037455.D

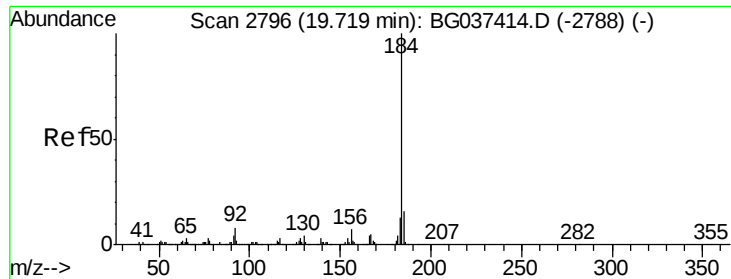
Acq: 19 Oct 2018 15:57

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		355493		
120	11.5	8.1	12.1		
236	27.0	21.4	32.0		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.067 ng

RT: 19.72 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

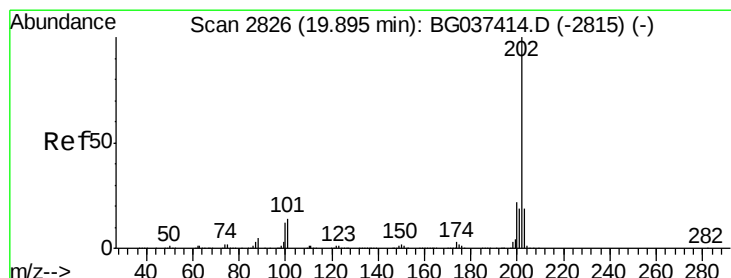
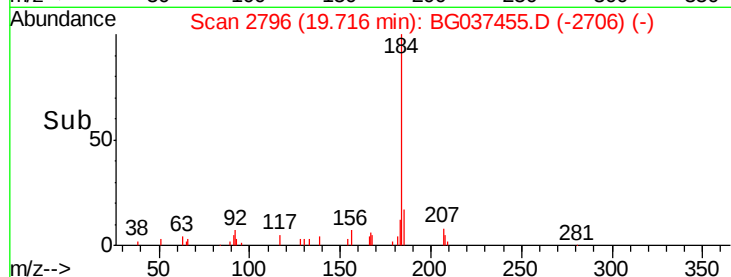
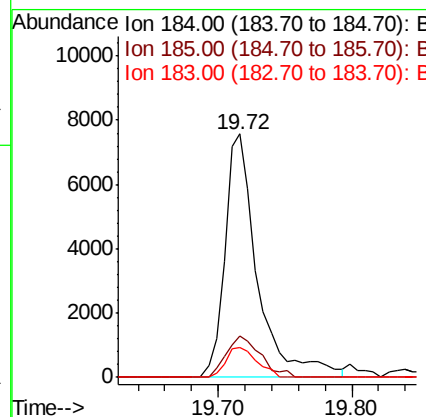
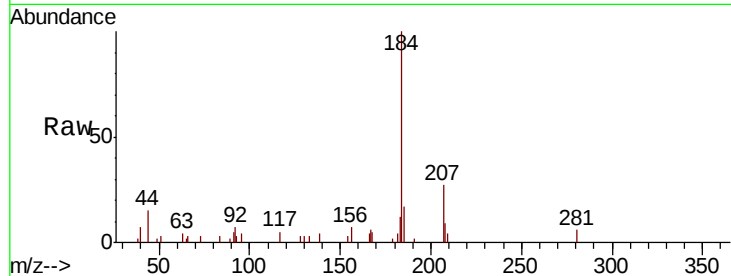
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	184	Resp:	12899
Ion Ratio	Lower	Upper	
184	100		
185	16.8	12.6	18.8
183	12.4	10.2	15.2

Manual Integrations
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#78

Pyrene

Concen: 5.496 ng

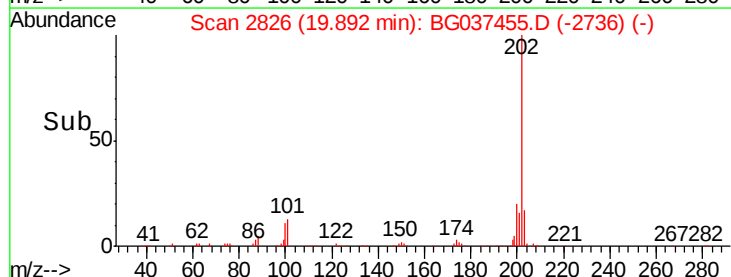
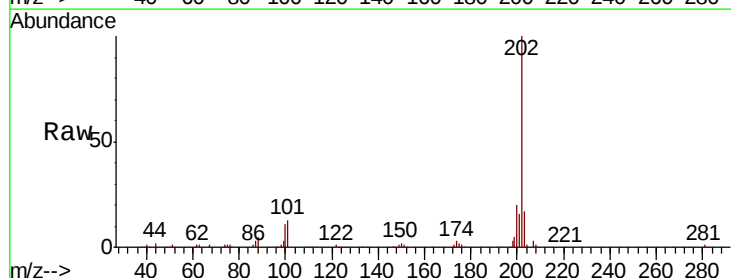
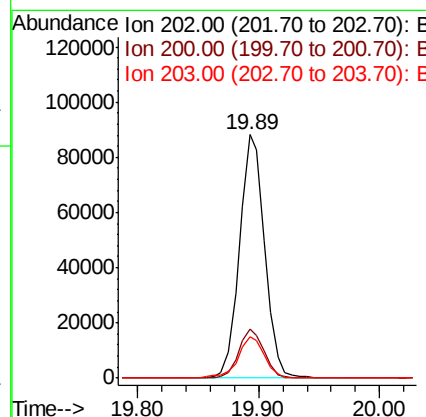
RT: 19.89 min Scan# 2826

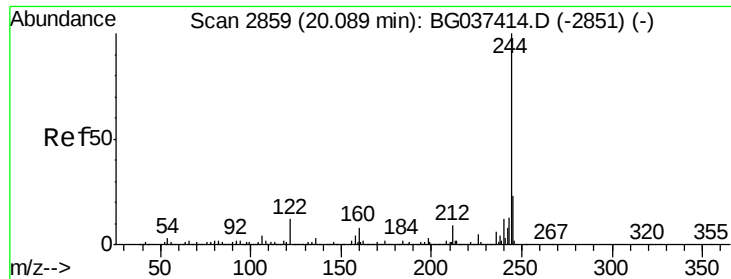
Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Tgt Ion:	202	Resp:	127723
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.8	26.6
203	17.2	15.2	22.8





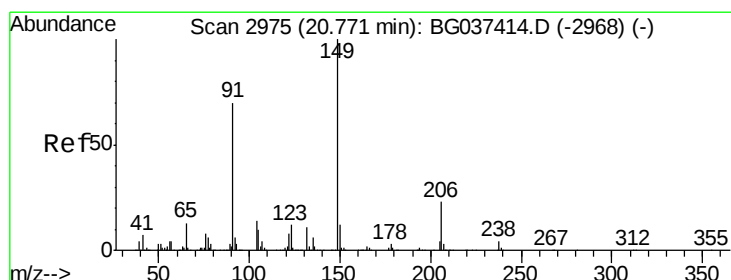
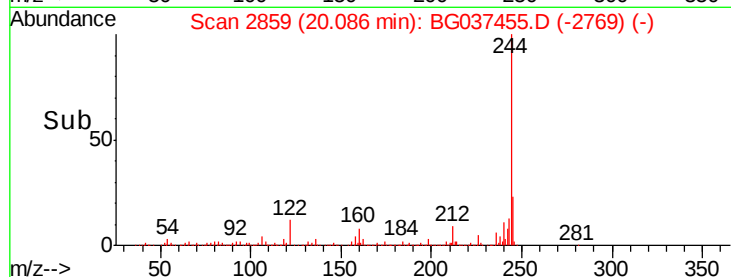
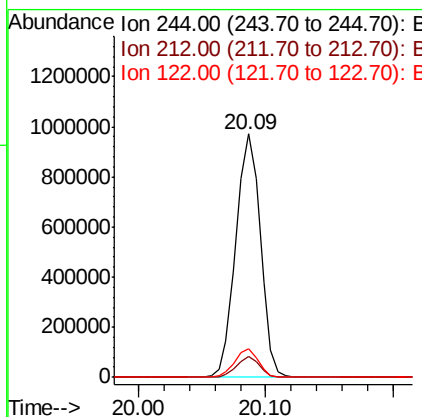
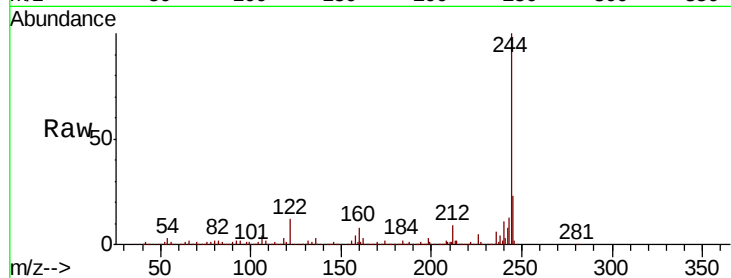
#79
 Terphenyl-d14
 Concen: 78.268 ng
 RT: 20.09 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

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

Tgt Ion:244 Resp: 1302144
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.5 9.7
 122 11.5 9.0 13.4

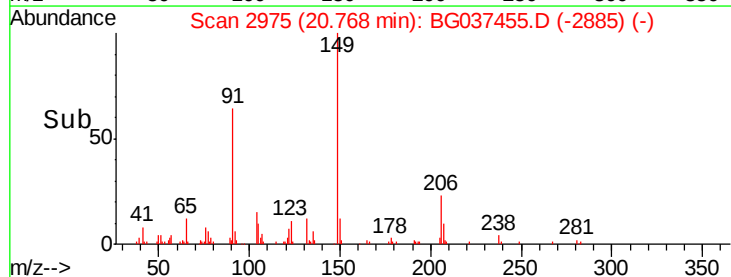
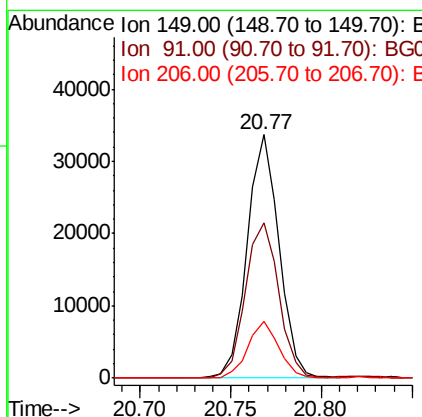
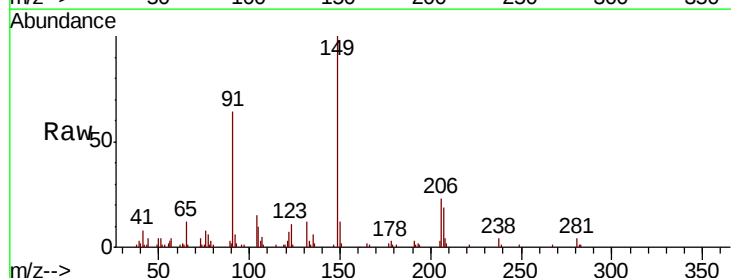
Manual Integrations
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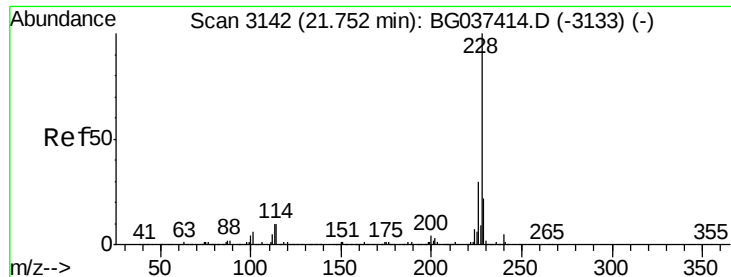
Sohil
 10/22/2018 3:39:15 PM



#80
 Butylbenzylphthalate
 Concen: 4.323 ng
 RT: 20.77 min Scan# 2975
 Delta R.T. -0.00 min
 Lab File: BG037455.D
 Acq: 19 Oct 2018 15:57

Tgt Ion:149 Resp: 41113
 Ion Ratio Lower Upper
 149 100
 91 63.6 57.0 85.4
 206 23.4 17.8 26.6





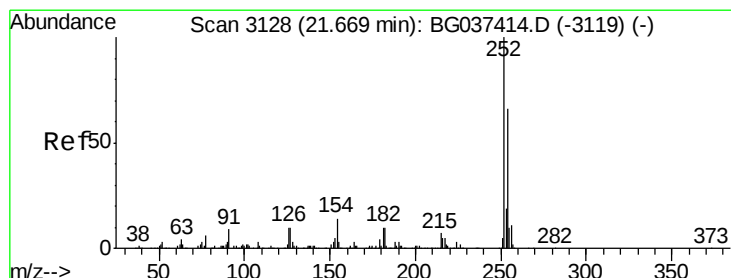
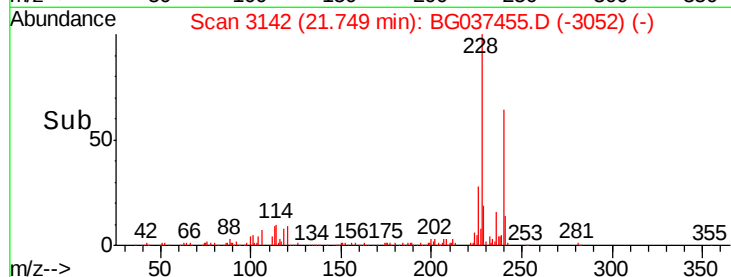
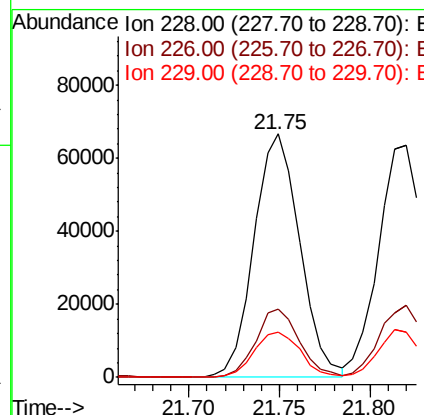
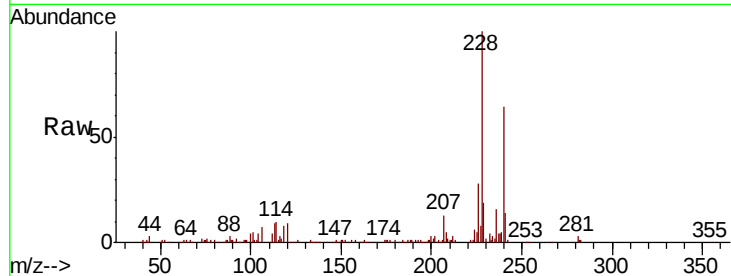
#81
Benzo(a)anthracene
Concen: 5.569 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	117106		
226	28.0		22.6	33.8
229	18.8		16.3	24.5

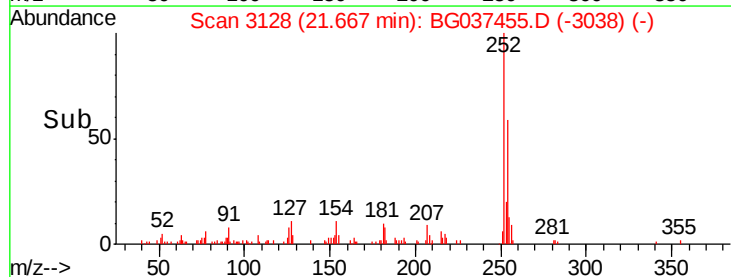
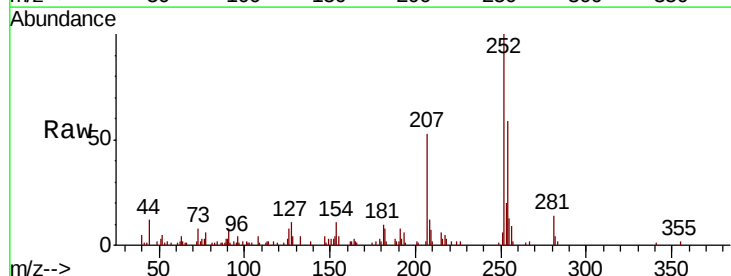
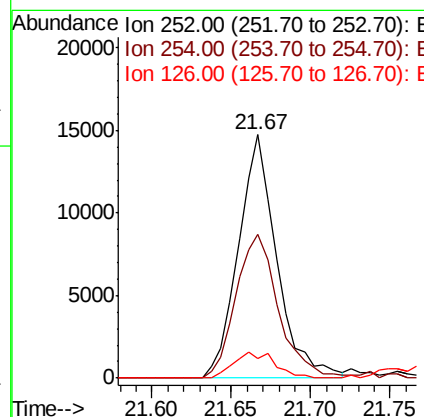
Manual Integrations
APPROVED

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#82
3,3'-Dichlorobenzidine
Concen: 3.030 ng
RT: 21.67 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	24693		
254	59.0		52.0	78.0
126	7.9		8.2	12.4#





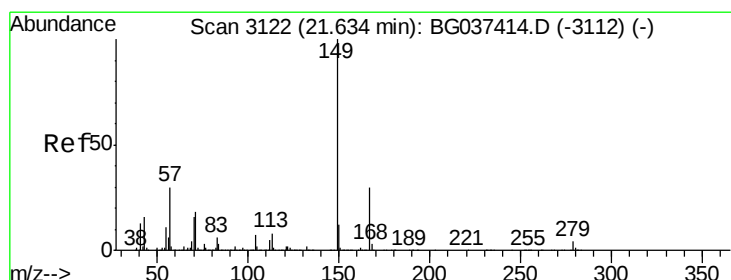
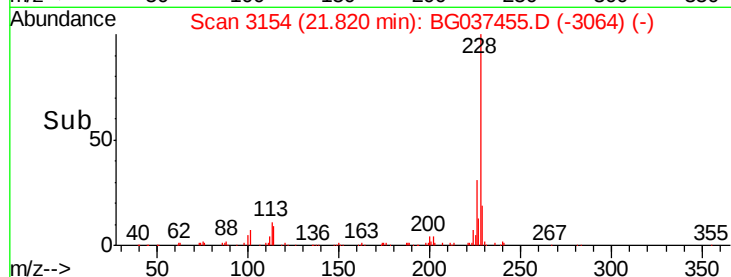
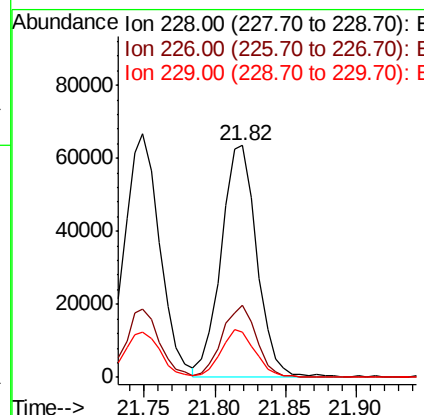
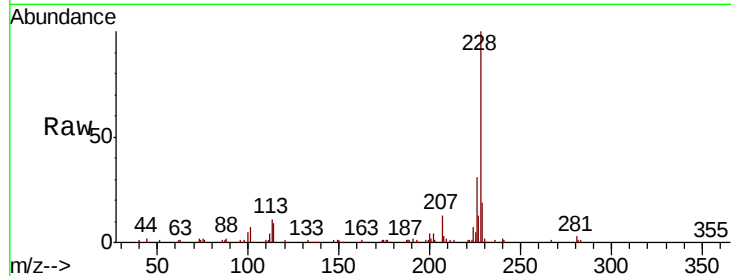
#83
Chrysene
Concen: 5.480 ng
RT: 21.82 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.7	38.5
229	19.2	16.5	24.7

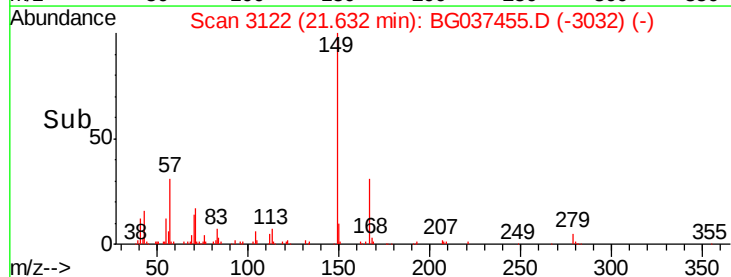
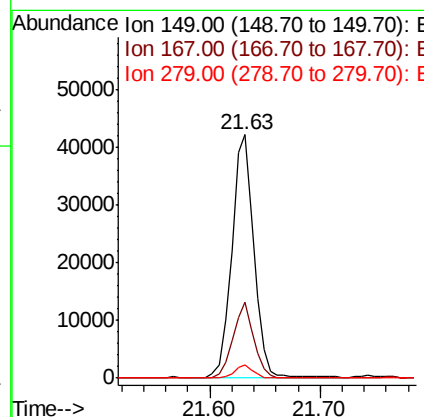
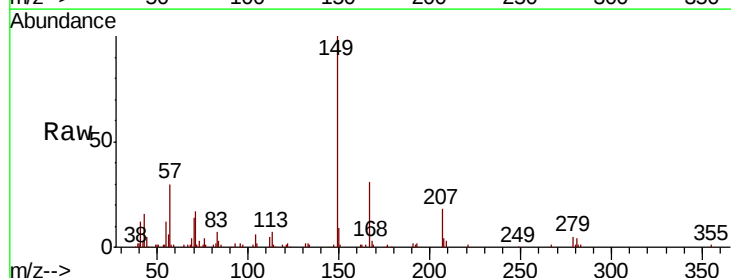
Manual Integrations
APPROVED

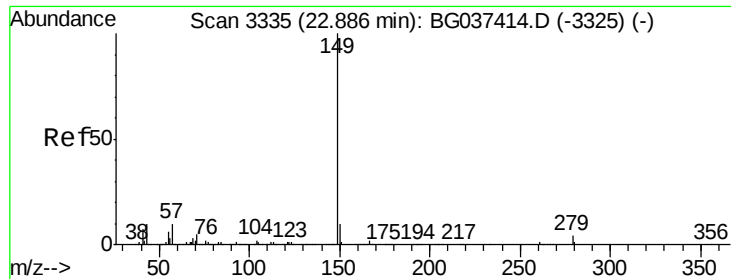
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#84
Bis(2-ethylhexyl)phthalate
Concen: 4.449 ng
RT: 21.63 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
149	100		
167	31.0	23.0	34.4
279	5.3	3.6	5.4





#85

Di-n-octyl phthalate

Concen: 4.305 ng

RT: 22.88 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

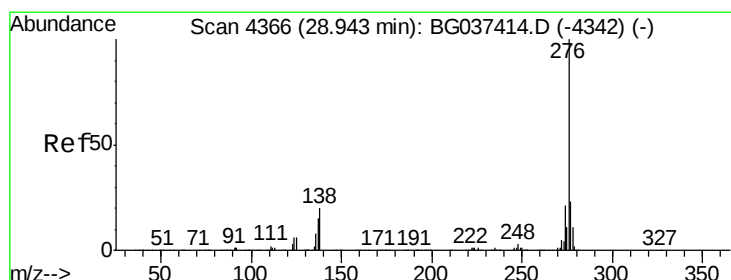
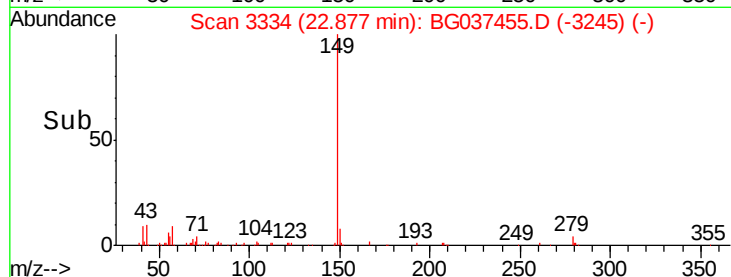
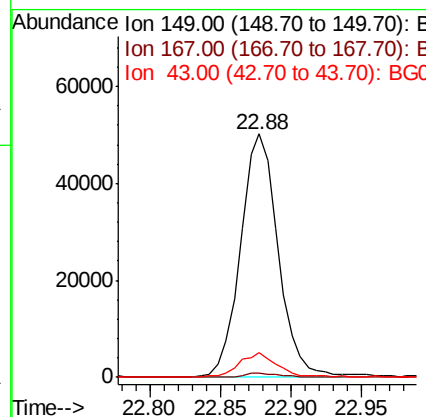
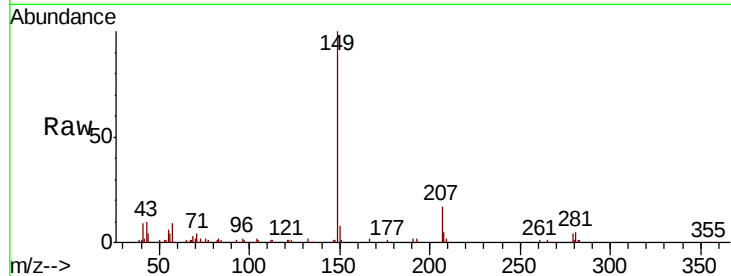
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	149	Resp:	93591
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.3	1.9
43	10.5	8.7	13.1

Manual Integrations
APPROVED

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#86

Indeno(1,2,3-cd)pyrene

Concen: 4.216 ng

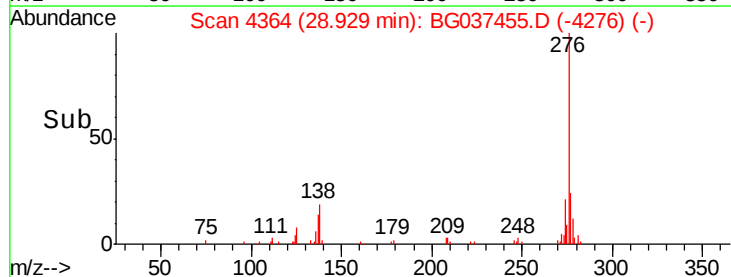
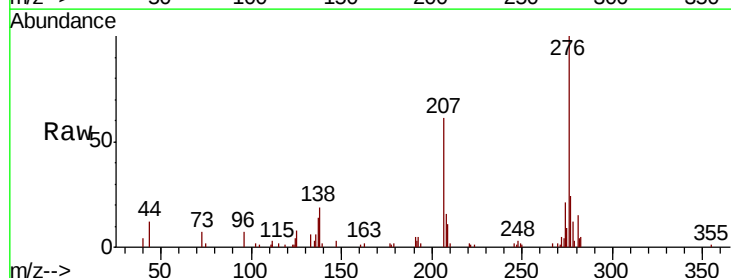
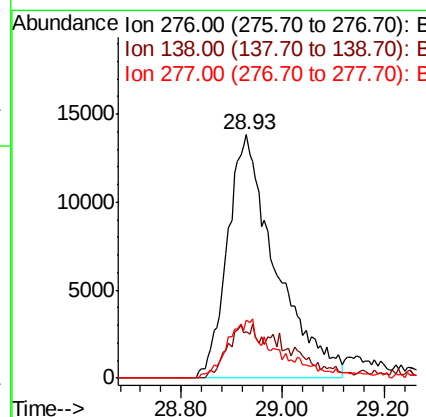
RT: 28.93 min Scan# 4364

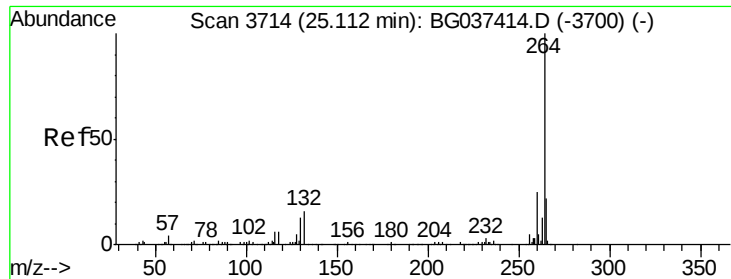
Delta R.T. -0.01 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Tgt Ion:	276	Resp:	91430
Ion Ratio	Lower	Upper	
276	100		
138	0.0	12.0	18.0#
277	17.0	20.6	30.8#





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3714

Delta R.T. -0.00 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

Instrument :

BNA_G

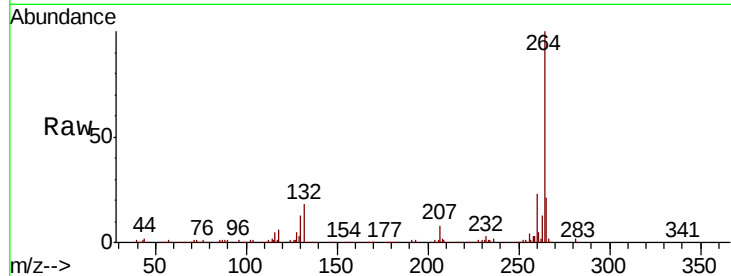
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	264	Resp:	357626
Ion Ratio		Lower	Upper
264	100		
260	23.3	18.2	27.4
265	21.5	17.9	26.9

Manual Integrations
APPROVED

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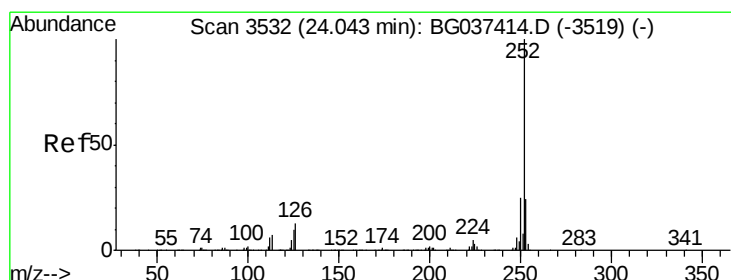
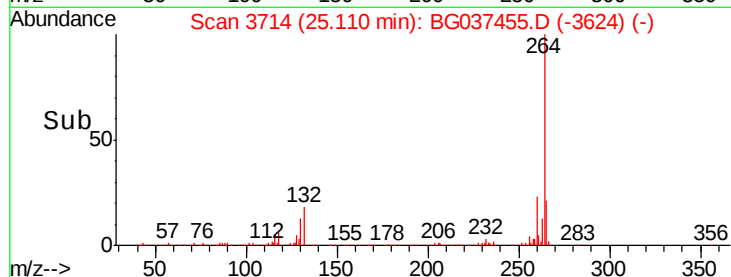
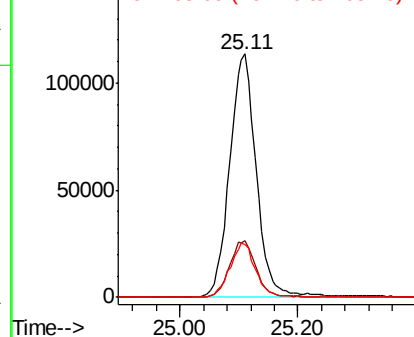


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.304 ng

RT: 24.03 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BG037455.D

Acq: 19 Oct 2018 15:57

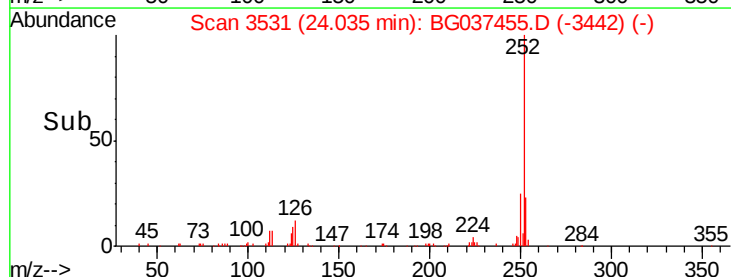
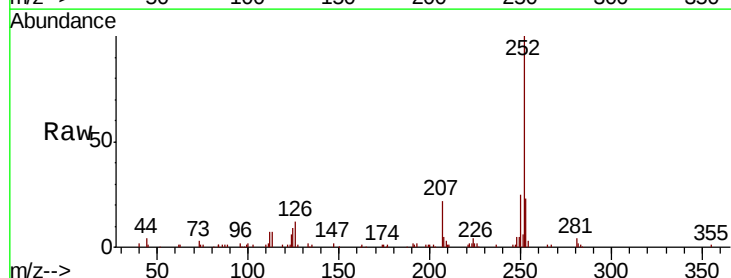
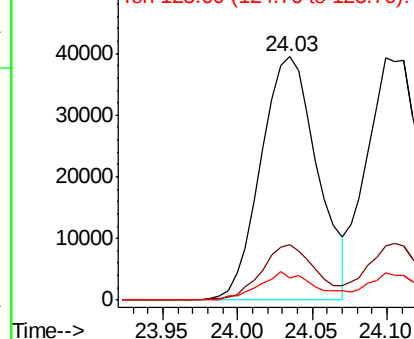
Tgt Ion:	252	Resp:	103994
Ion Ratio		Lower	Upper
252	100		
253	22.6	18.2	27.2
125	9.3	7.8	11.6

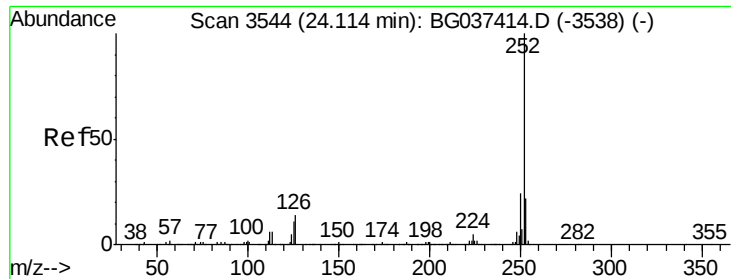
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





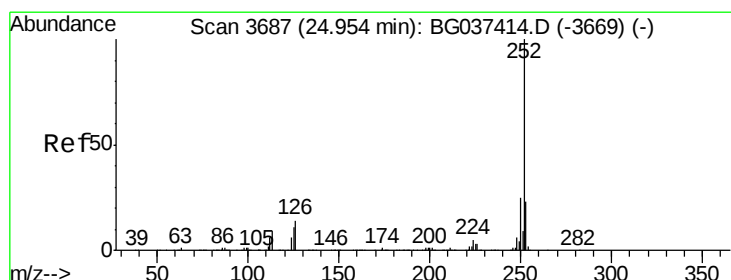
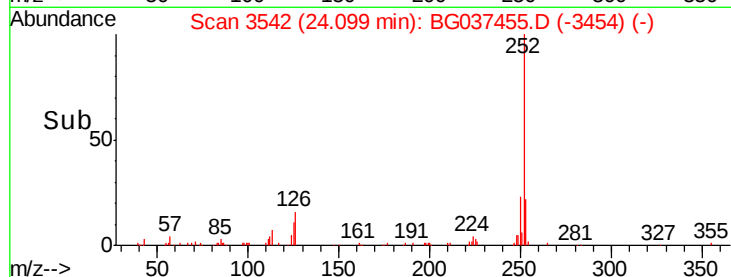
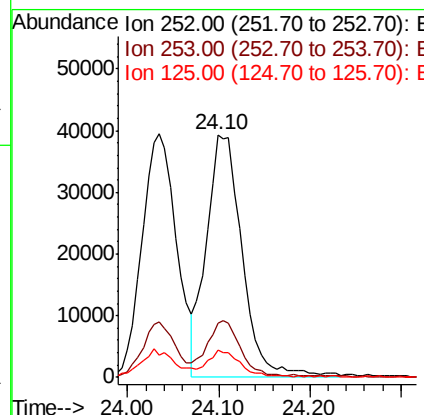
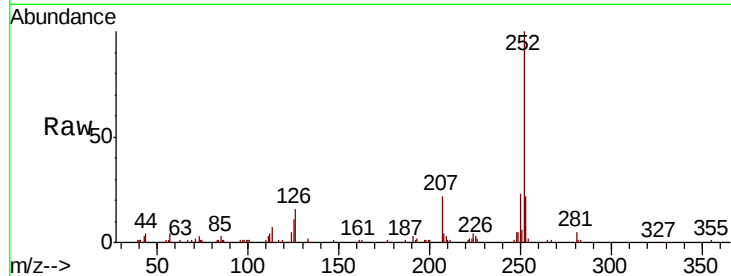
#89
Benzo(k)fluoranthene
Concen: 5.636 ng m
RT: 24.10 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	11.4	7.4	11.0

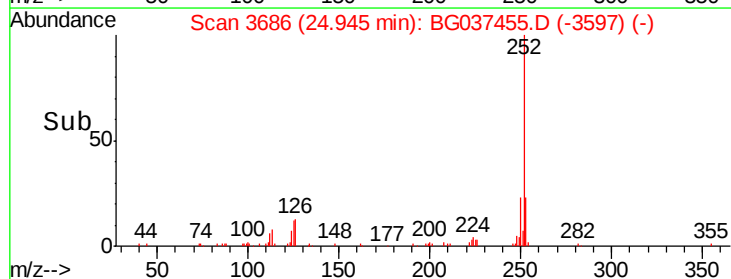
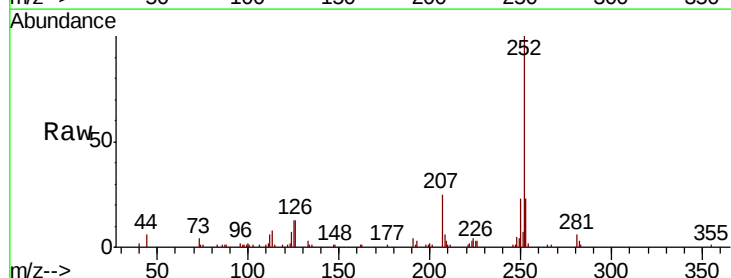
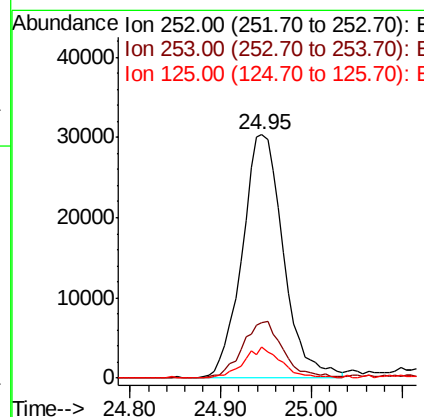
Manual Integrations
APPROVED

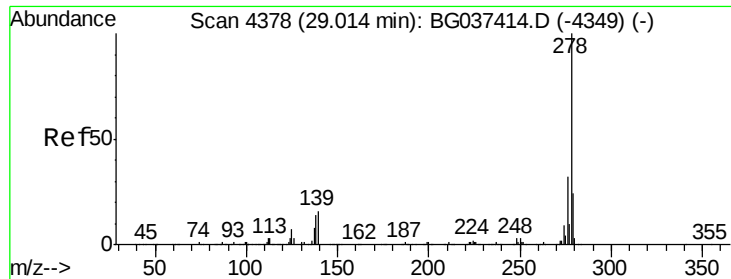
Sohil
10/22/2018 3:39:15 PM



#90
Benzo(a)pyrene
Concen: 5.158 ng
RT: 24.95 min Scan# 3686
Delta R.T. -0.01 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	12.8	9.0	13.6





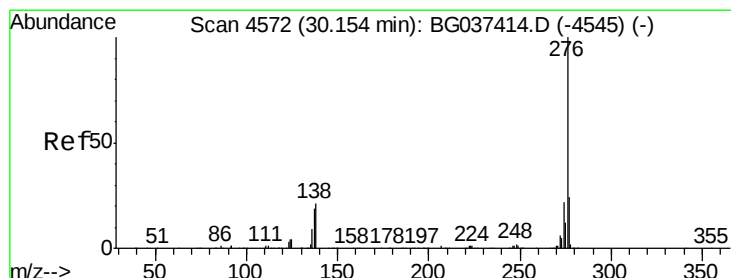
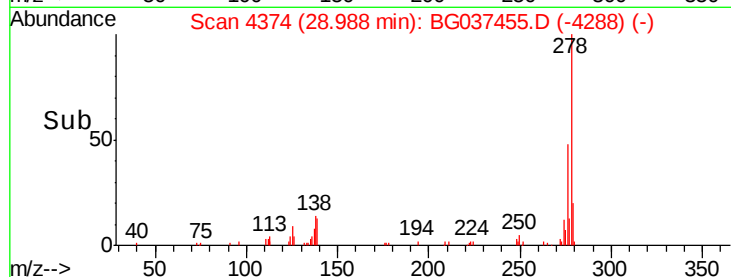
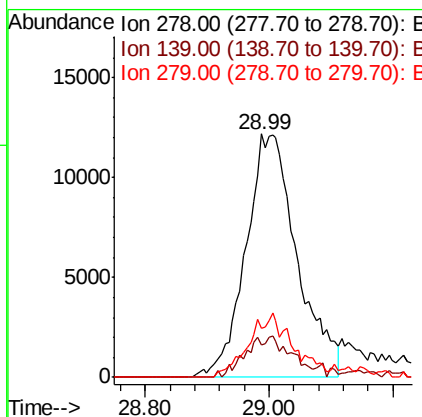
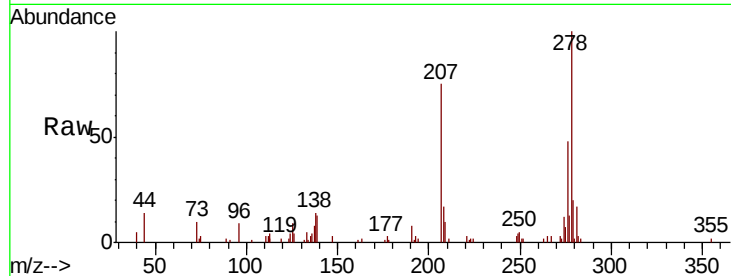
#91
Dibenzo(a,h)anthracene
Concen: 4.074 ng
RT: 28.99 min Scan# 4374
Delta R.T. -0.03 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

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

Tgt Ion:	278	Resp:	70020
Ion Ratio	Lower	Upper	
278	100		
139	13.2	11.5	17.3
279	20.1	18.6	27.8

Manual Integrations
APPROVED

Sohil
10/22/2018 3:39:15 PM



#92
Benzo(g,h,i)perylene
Concen: 4.533 ng
RT: 30.13 min Scan# 4568
Delta R.T. -0.03 min
Lab File: BG037455.D
Acq: 19 Oct 2018 15:57

Tgt Ion:	276	Resp:	78808
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.9	28.3
138	21.0	17.2	25.8

