

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060519\
 Data File : BG041073.D
 Acq On : 5 Jun 2019 15:42
 Operator : HP/JU
 Sample : K2241-03
 Misc : MDL-SOIL-8PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Manual Integrations
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 6/6/2019 3:42:18 PM

Quant Time: Jun 06 08:29:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	37526	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	133093	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	91365	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	242284	20.00	ng	-0.02
76) Chrysene-d12	21.77	240	281558	20.00	ng	-0.02
87) Perylene-d12	25.09	264	306242	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	240053	115.35	ng	-0.01
7) Phenol-d6	7.25	99	330385	102.80	ng	-0.01
23) Nitrobenzene-d5	9.29	82	230439	76.86	ng	-0.02
42) 2,4,6-Tribromophenol	16.23	330	174412	128.59	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	508193	80.10	ng	-0.02
79) Terphenyl-d14	20.08	244	1015904	76.58	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.51	88	8519	9.021	ng	90
3) Pyridine	3.93	79	17228	6.165	ng	99
4) n-Nitrosodimethylamine	3.85	42	8609	6.638	ng	# 79
6) Aniline	7.43	93	26853	6.259	ng	98
8) 2-Chlorophenol	7.67	128	17263	6.958	ng	93
9) Benzaldehyde	7.25	77	18939	9.878	ng	83
10) Phenol	7.28	94	21240	6.164	ng	96
11) bis(2-Chloroethyl)ether	7.53	93	15485	6.194	ng	96
12) 1,3-Dichlorobenzene	7.99	146	18893m	6.376	ng	
13) 1,4-Dichlorobenzene	8.15	146	20405	6.803	ng	95
14) 1,2-Dichlorobenzene	8.46	146	19426	6.670	ng	97
15) Benzyl Alcohol	8.35	79	17127	5.761	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.63	45	25739	6.301	ng	95
17) 2-Methylphenol	8.54	107	14441	5.788	ng	94
18) Hexachloroethane	9.19	117	7526	6.510	ng	96
19) n-Nitroso-di-n-propylamine	8.91	70	15451	6.247	ng	98
20) 3+4-Methylphenols	8.87	107	19474	5.635	ng	95
22) Acetophenone	8.93	105	29553	7.916	ng	# 94
24) Nitrobenzene	9.33	77	24894	8.148	ng	# 93
25) Isophorone	9.84	82	39372	6.901	ng	99
26) 2-Nitrophenol	10.04	139	9595	7.618	ng	92
27) 2,4-Dimethylphenol	10.09	122	15044	7.232	ng	95
28) bis(2-Chloroethoxy)methane	10.33	93	21290	6.914	ng	96
29) 2,4-Dichlorophenol	10.57	162	18139	6.867	ng	99
30) 1,2,4-Trichlorobenzene	10.79	180	22293	7.419	ng	# 80
31) Naphthalene	10.99	128	54708	7.656	ng	97
32) Benzoic acid	10.19	122	2659m	9.496	ng	
33) 4-Chloroaniline	11.10	127	23190	6.994	ng	# 87
34) Hexachlorobutadiene	11.24	225	16415	7.139	ng	94
35) Caprolactam	11.84	113	5591	6.409	ng	97
36) 4-Chloro-3-methylphenol	12.20	107	20701	6.862	ng	94
37) 2-Methylnaphthalene	12.58	142	39430	7.164	ng	99
38) 1-Methylnaphthalene	12.79	142	38072	7.341	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	28531	7.748	ng	98

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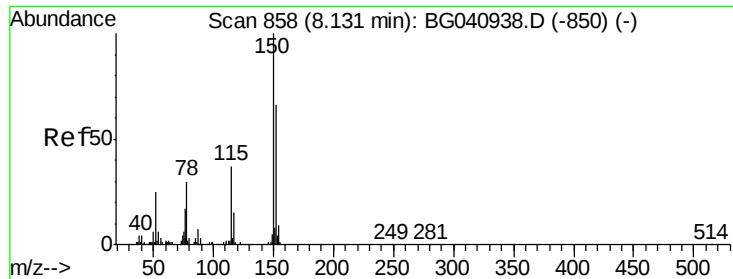
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	9962	12.750	nq	94
43) 2,4,6-Trichlorophenol	13.18	196	16759	7.035	nq	95
44) 2,4,5-Trichlorophenol	13.25	196	18446	7.342	nq	# 89
46) 1,1'-Biphenyl	13.58	154	52235	7.724	nq	98
47) 2-Chloronaphthalene	13.62	162	42521	7.324	nq	97
48) 2-Nitroaniline	13.83	65	14604	7.011	nq	92
49) Acenaphthylene	14.47	152	68586	7.849	nq	95
50) Dimethylphthalate	14.18	163	55769	7.211	nq	99
51) 2,6-Dinitrotoluene	14.32	165	12422	7.449	nq	88
52) Acenaphthene	14.80	154	40327	7.618	nq	99
53) 3-Nitroaniline	14.65	138	11542	6.922	nq	# 96
54) 2,4-Dinitrophenol	14.87	184	1515	10.437	nq	# 83
55) Dibenzofuran	15.14	168	70598	7.926	nq	99
56) 4-Nitrophenol	14.95	139	7325	6.404	nq	85
57) 2,4-Dinitrotoluene	15.10	165	17048	7.237	nq	# 97
58) Fluorene	15.79	166	52955	7.465	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.36	232	19650	7.958	nq	96
60) Diethylphthalate	15.54	149	57181	7.245	nq	99
61) 4-Chlorophenyl-phenylether	15.77	204	32492	7.047	nq	95
62) 4-Nitroaniline	15.81	138	13477	7.634	nq	81
63) Azobenzene	16.07	77	53241	7.422	nq	99
65) 4,6-Dinitro-2-methylphenol	15.86	198	6121	12.460	nq	98
66) n-Nitrosodiphenylamine	15.99	169	49654	7.290	nq	96
67) 4-Bromophenyl-phenylether	16.67	248	21626	6.614	nq	96
68) Hexachlorobenzene	16.78	284	23144	6.647	nq	97
69) Atrazine	16.93	200	21235	8.080	nq	96
70) Pentachlorophenol	17.13	266	7360	7.992	nq	# 81
71) Phenanthrene	17.53	178	96691m	7.662	nq	
72) Anthracene	17.62	178	98281	7.896	nq	97
73) Carbazole	17.89	167	88026	8.242	nq	# 97
74) Di-n-butylphthalate	18.42	149	96318	7.256	nq	99
75) Fluoranthene	19.53	202	132784	8.518	nq	98
77) Benzidine	19.72	184	59911	8.920	nq	95
78) Pyrene	19.89	202	139128m	7.601	nq	
80) Butylbenzylphthalate	20.76	149	49403	6.936	nq	96
81) Benzo(a)anthracene	21.74	228	151600	8.089	nq	97
82) 3,3'-Dichlorobenzidine	21.66	252	53282	8.083	nq	100
83) Chrysene	21.81	228	142012	7.918	nq	99
84) Bis(2-ethylhexyl)phthalate	21.61	149	70884	7.069	nq	93
85) Di-n-octyl phthalate	22.85	149	128049	7.668	nq	98
86) Indeno(1,2,3-cd)pyrene	28.90	276	160644	7.312	nq	# 60
88) Benzo(b)fluoranthene	24.02	252	140755	7.578	nq	99
89) Benzo(k)fluoranthene	24.09	252	136872	7.446	nq	99
90) Benzo(a)pyrene	24.93	252	134205	7.573	nq	# 92
91) Dibenzo(a,h)anthracene	28.97	278	134490	7.595	nq	95
92) Benzo(g,h,i)perylene	30.11	276	134124	7.796	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 855

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

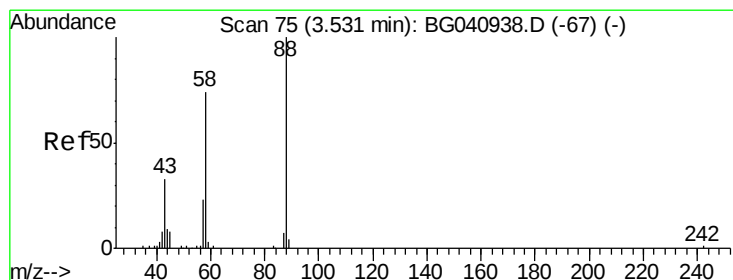
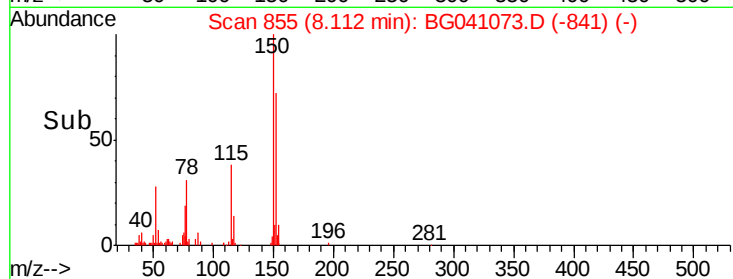
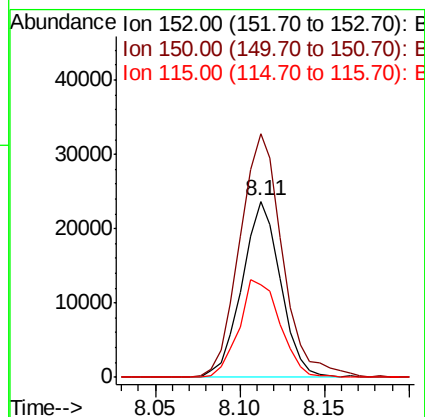
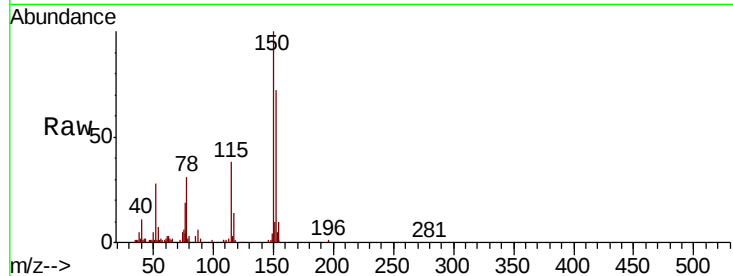
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	152	Resp:	37526
Ion	Ratio	Lower	Upper
152	100		
150	138.5	120.6	180.8
115	52.8	45.1	67.7

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#2

1,4-Dioxane

Concen: 9.021 ng

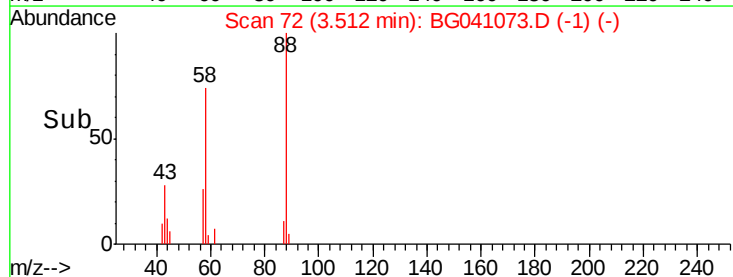
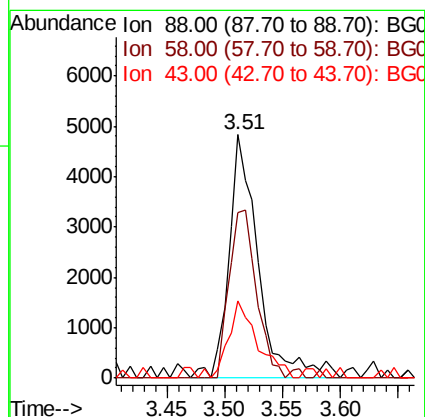
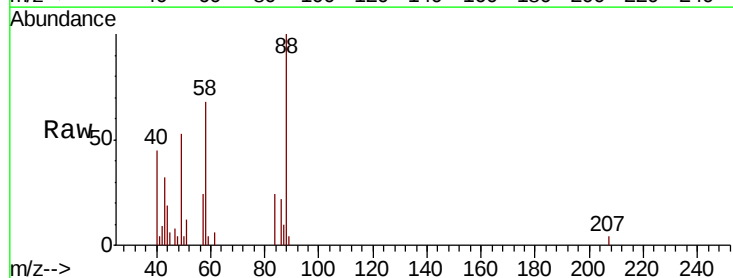
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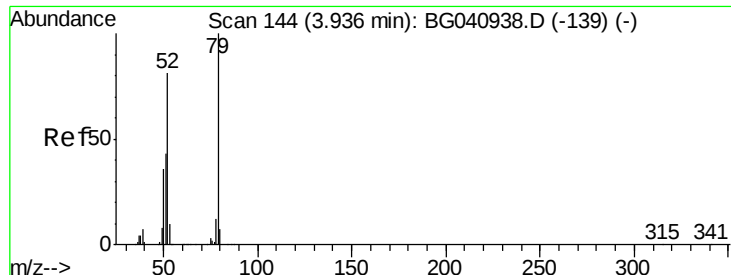
Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:	88	Resp:	8519
Ion	Ratio	Lower	Upper
88	100		
58	63.9	59.0	88.6
43	30.8	27.2	40.8





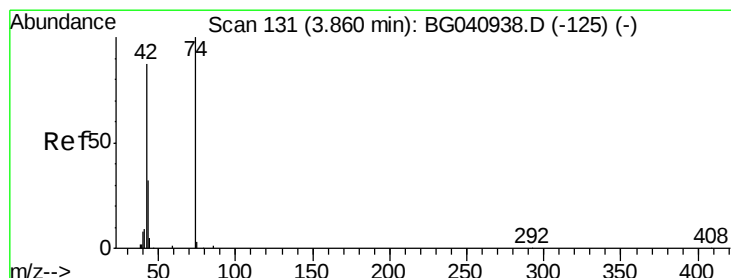
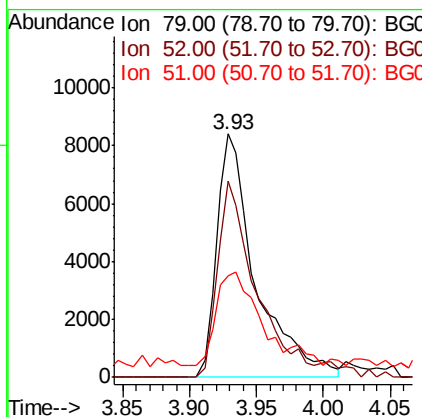
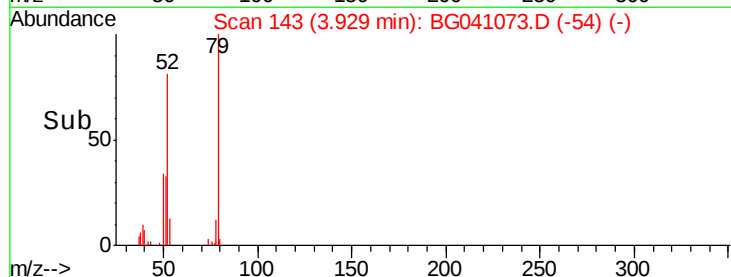
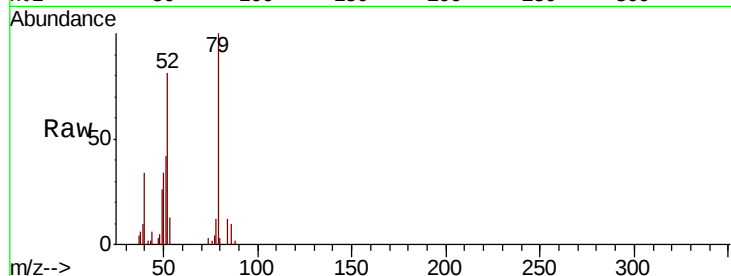
#3
 Pvridine
 Concen: 6.165 ng
 RT: 3.93 min Scan# 143
 Delta R.T. -0.01 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
79	100		
52	80.7	64.8	97.2
51	41.9	35.3	52.9

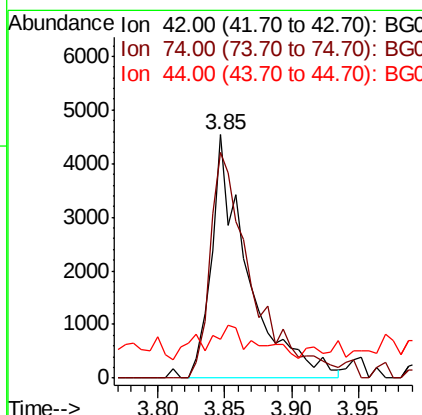
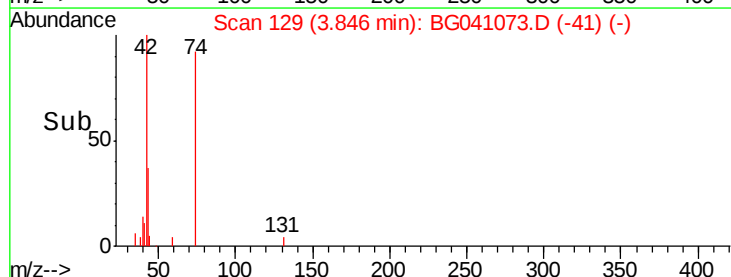
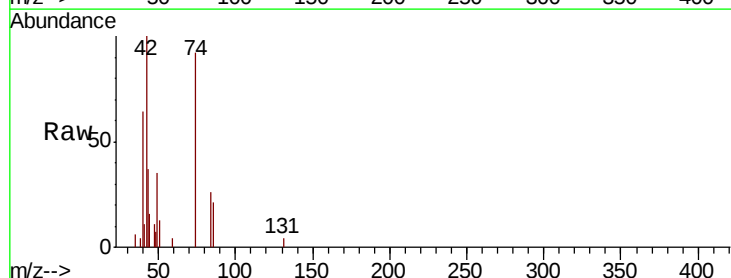
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#4
 n-Nitrosodimethylamine
 Concen: 6.638 ng
 RT: 3.85 min Scan# 129
 Delta R.T. -0.01 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
42	100		
74	92.5	91.8	137.6
44	15.8	6.0	9.0





#5

2-Fluorophenol

Concen: 115.351 ng

RT: 5.64 min Scan# 435

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

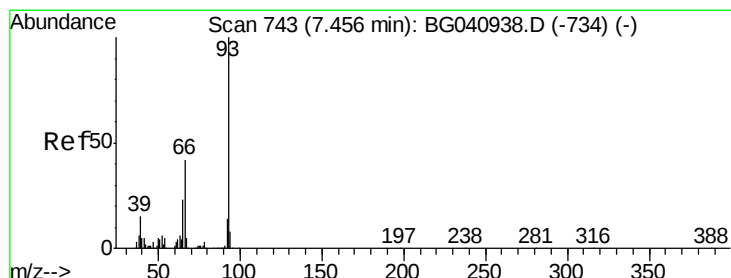
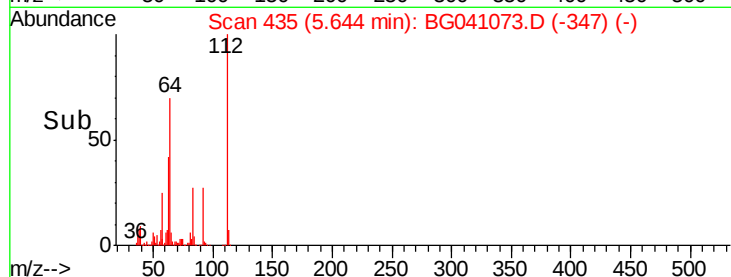
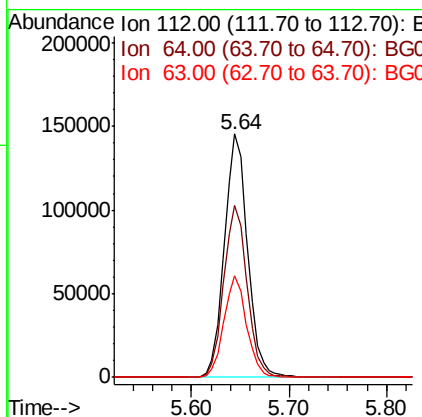
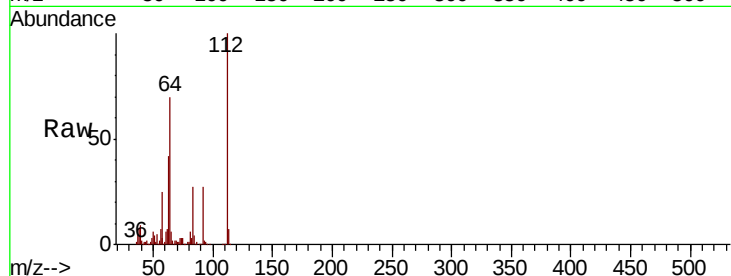
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	112	Resp:	240053
Ion Ratio	Lower	Upper	
112	100		
64	70.5	56.2	84.2
63	41.9	32.8	49.2

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#6

Aniline

Concen: 6.259 ng

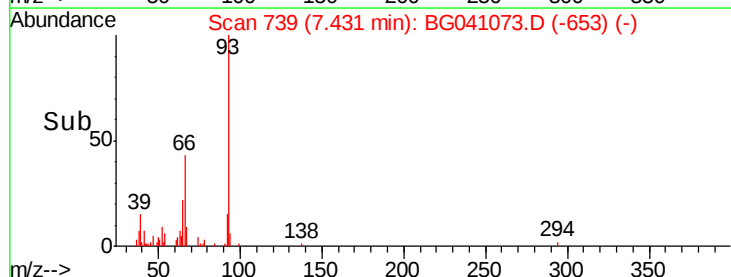
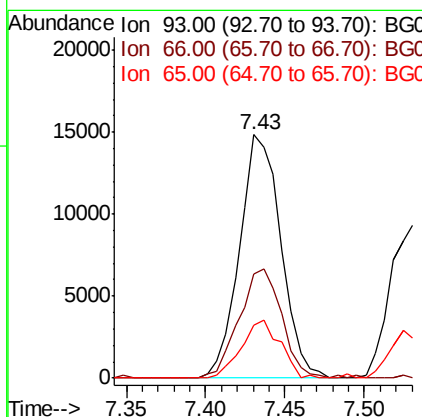
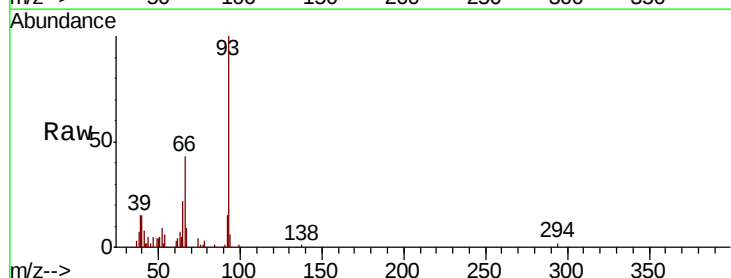
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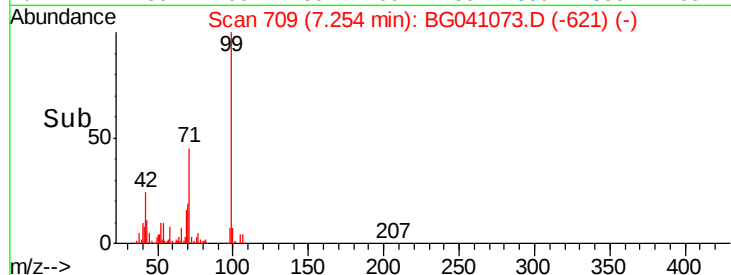
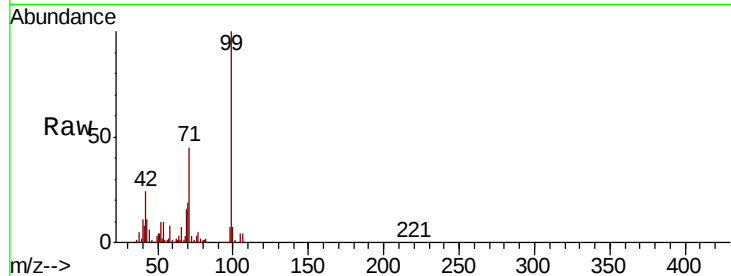
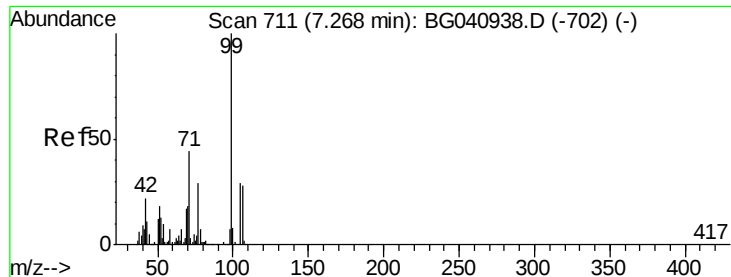
Delta R.T. -0.03 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:	93	Resp:	26853
Ion Ratio	Lower	Upper	
93	100		
66	42.9	33.8	50.8
65	21.6	18.3	27.5





#7

Phenol-d6

Concen: 102.796 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tot Ion:	99	Resp:	330385
Ion Ratio	Lower	Upper	
99	100		
42	23.7	17.9	26.9
71	45.5	35.4	53.0

Instrument :

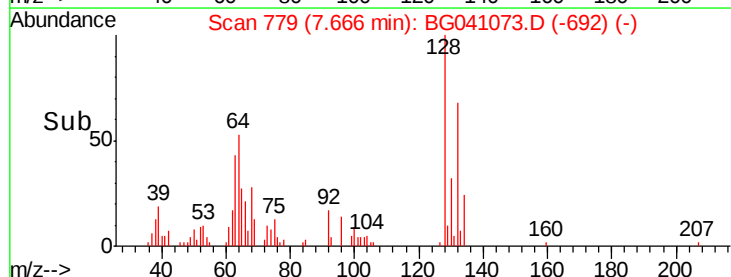
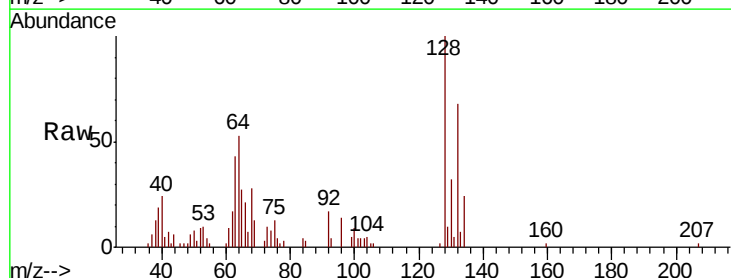
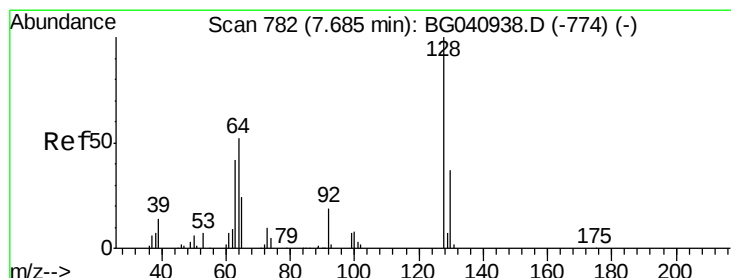
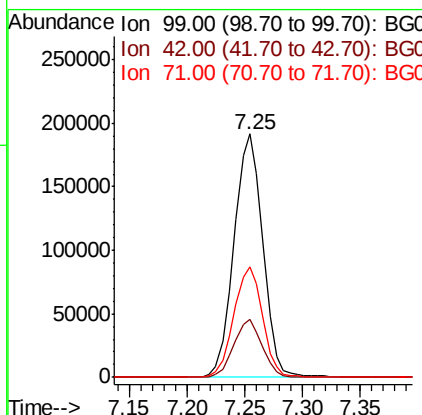
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#8

2-Chlorophenol

Concen: 6.958 ng

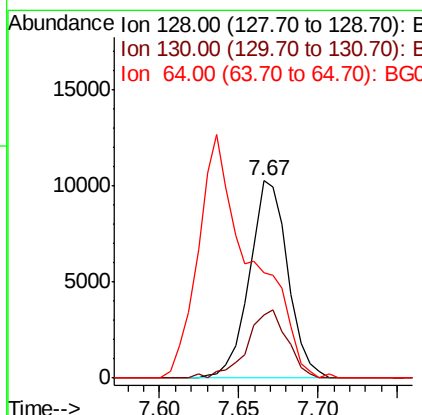
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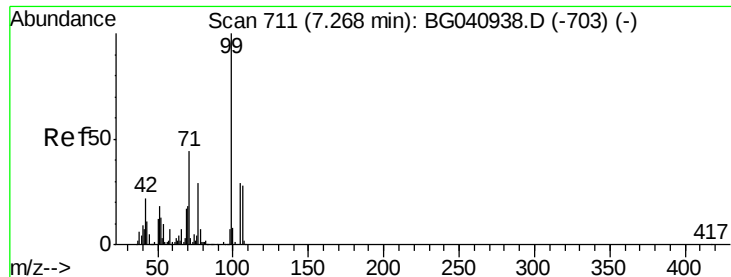
Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:	128	Resp:	17263
Ion Ratio	Lower	Upper	
128	100		
130	31.8	16.6	56.6
64	53.3	37.8	77.8





#9

Benzaldehyde

Concen: 9.878 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

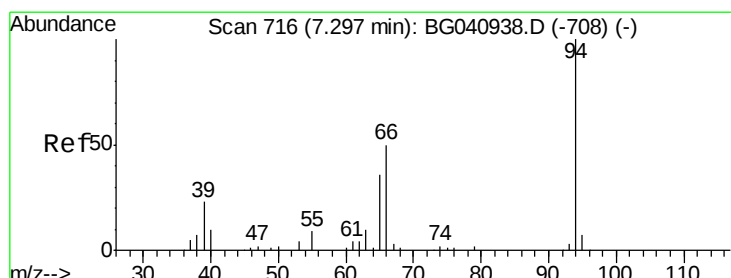
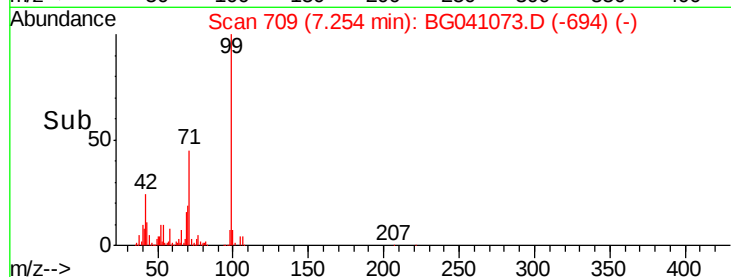
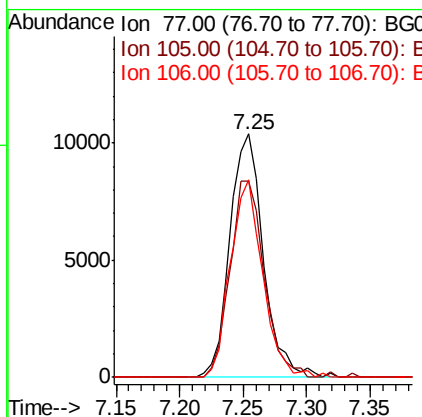
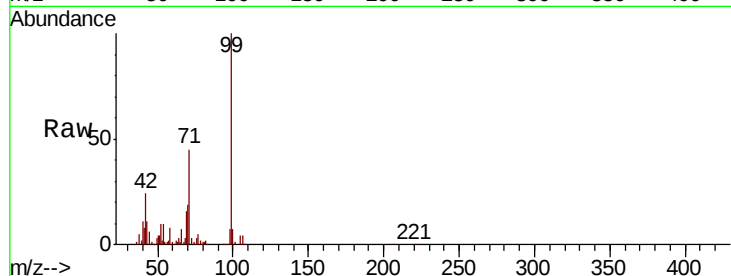
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	77	Resp:	18939
Ion	Ratio	Lower	Upper
77	100		
105	80.8	78.9	118.9
106	81.0	76.7	116.7

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#10

Phenol

Concen: 6.164 ng

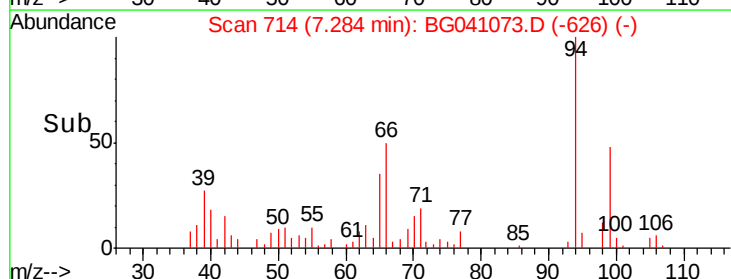
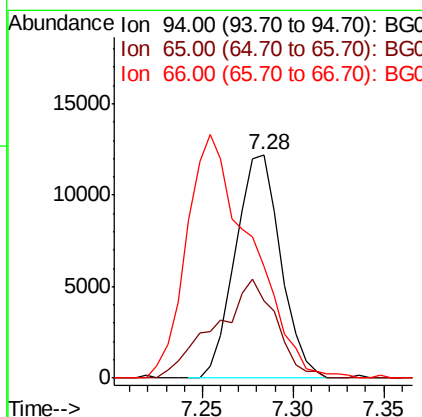
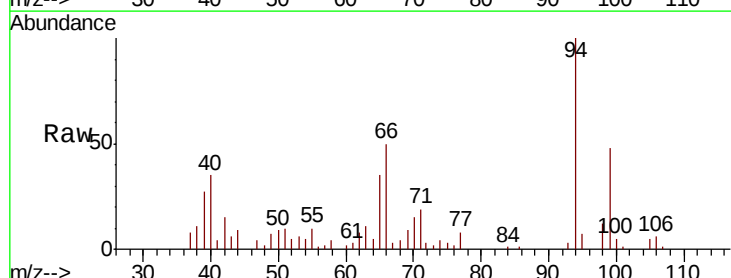
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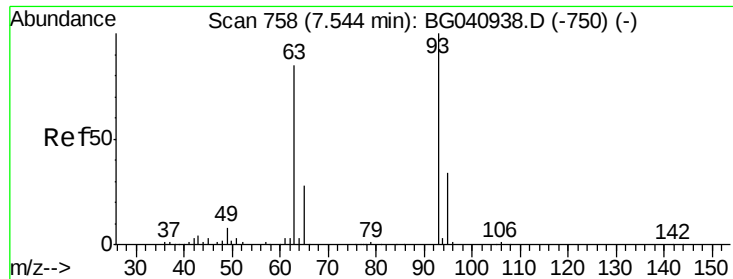
Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:	94	Resp:	21240
Ion	Ratio	Lower	Upper
94	100		
65	34.5	17.0	57.0
66	50.0	32.4	72.4





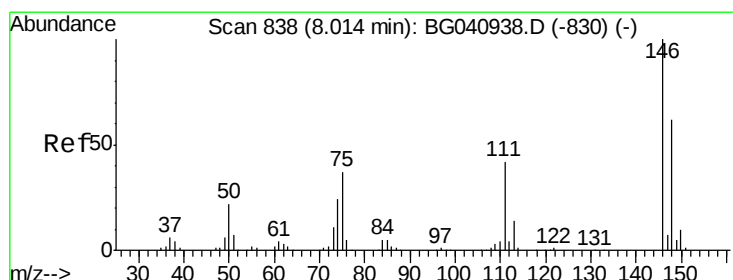
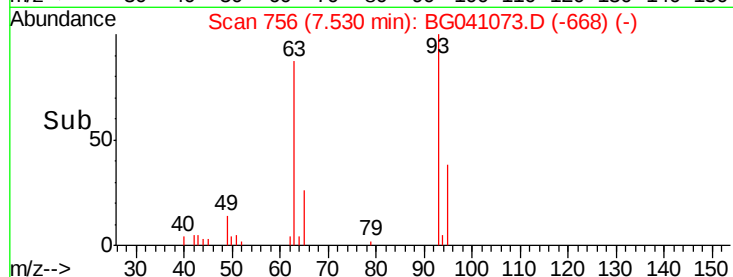
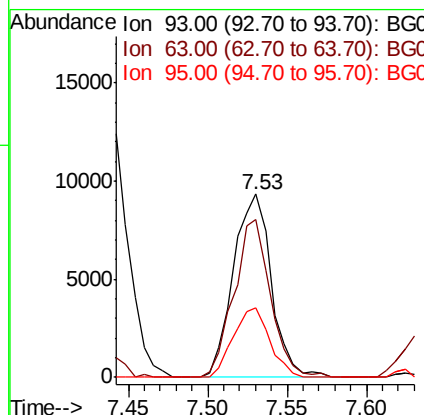
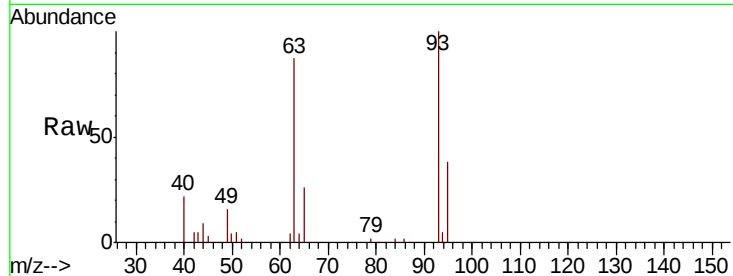
#11
bis(2-Chloroethyl)ether
Concen: 6.194 ng
RT: 7.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	86.7	64.5	104.5
95	38.3	13.3	53.3

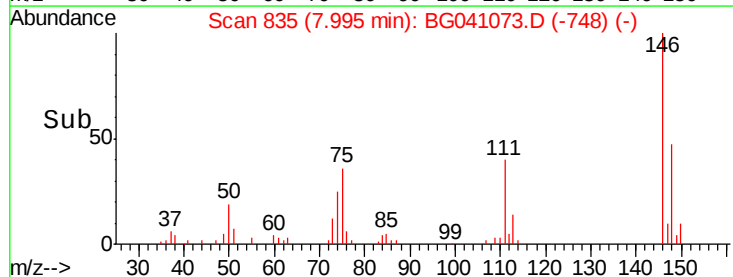
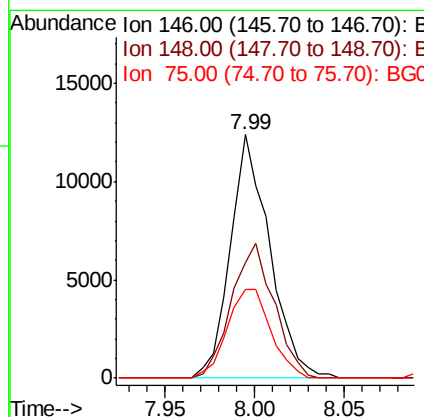
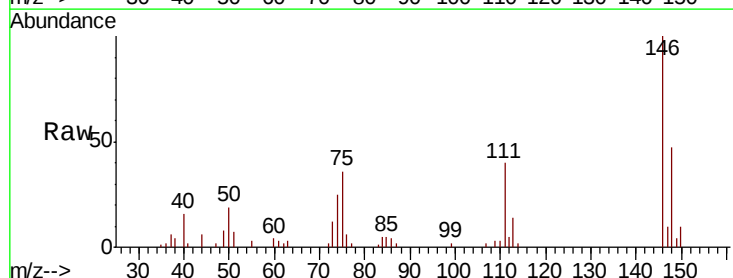
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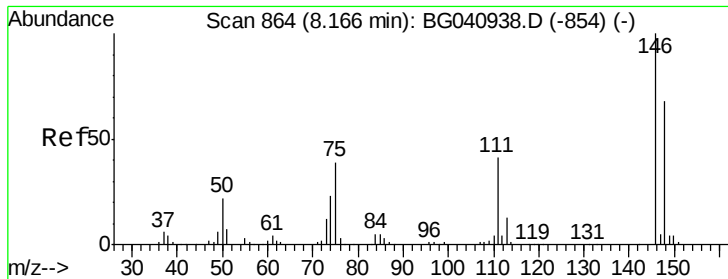
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#12
1,3-Dichlorobenzene
Concen: 6.376 ng m
RT: 7.99 min Scan# 835
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
146	100		
148	47.2	49.2	73.8#
75	36.5	29.4	44.0





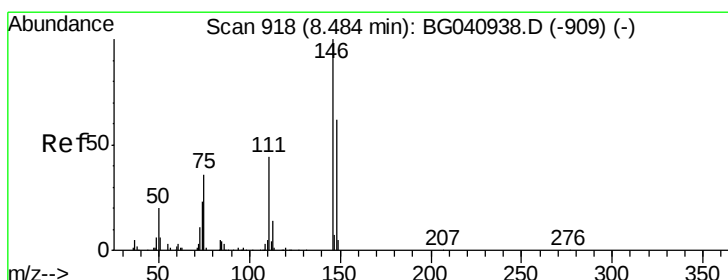
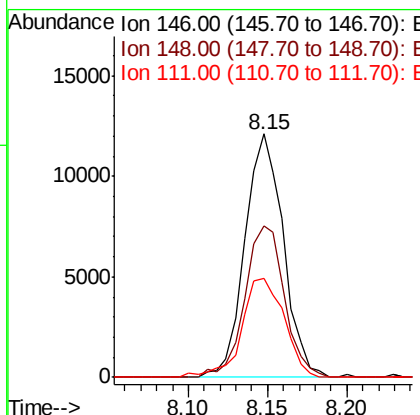
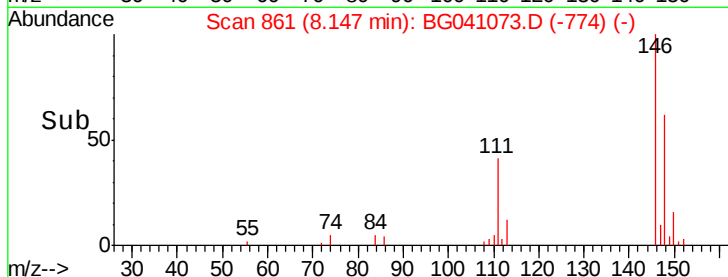
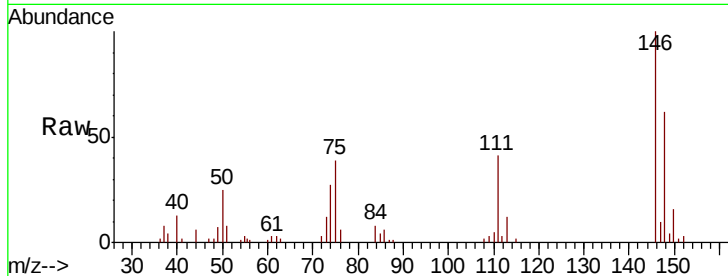
#13
 1,4-Dichlorobenzene
 Concen: 6.803 ng
 RT: 8.15 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.3	54.2	81.4
111	40.7	32.9	49.3

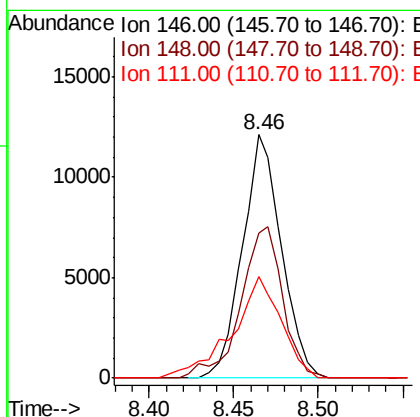
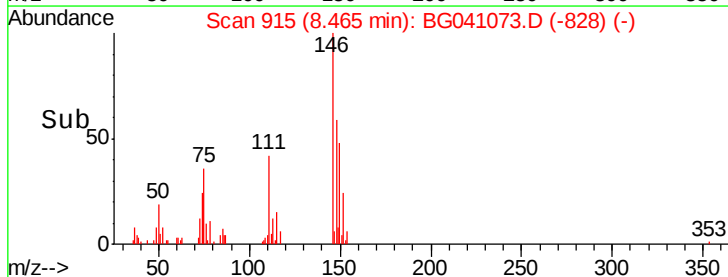
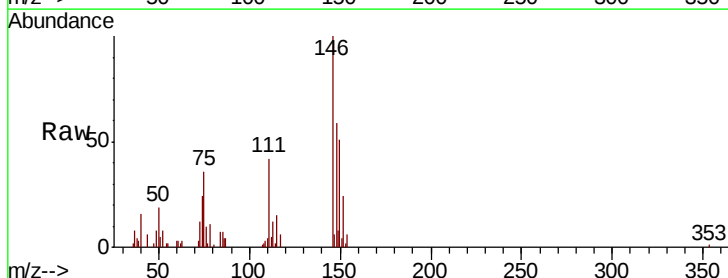
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#14
 1,2-Dichlorobenzene
 Concen: 6.670 ng
 RT: 8.46 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
146	100		
148	59.4	49.8	74.6
111	41.7	35.0	52.4





#15

Benzyl Alcohol

Concen: 5.761 ng

RT: 8.35 min Scan# 895

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

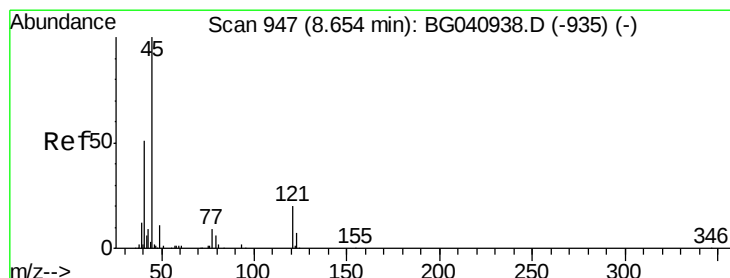
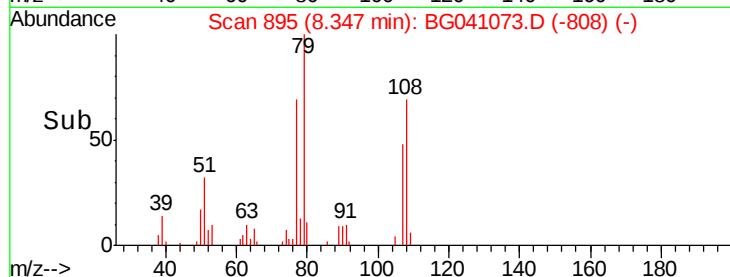
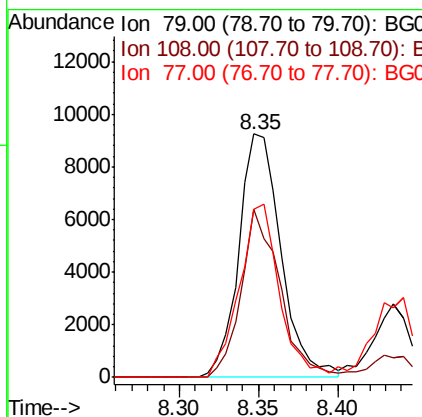
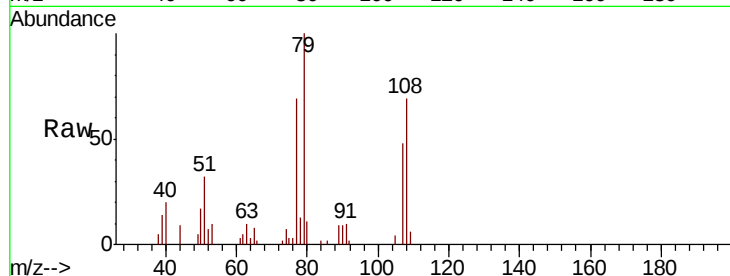
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	79	Resp:	17127
Ion	Ratio	Lower	Upper
79	100		
108	68.9	48.3	72.5
77	69.1	52.3	78.5

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#16

2,2'-oxybis(1-chloropropane)

Concen: 6.301 ng

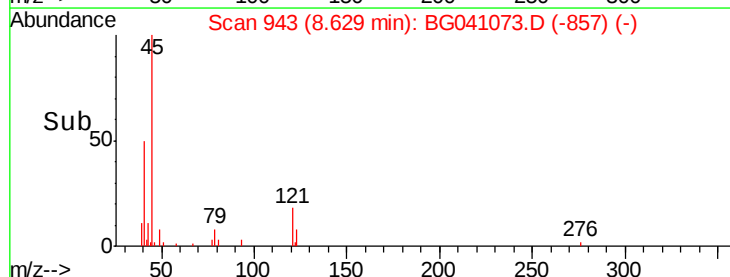
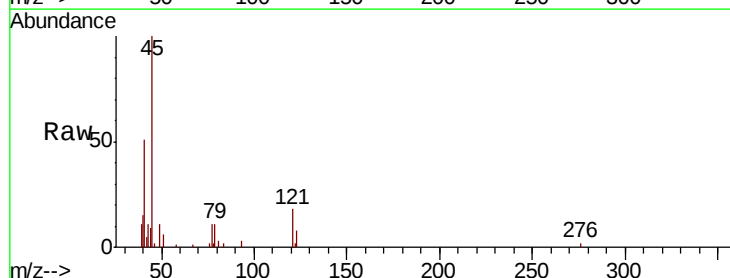
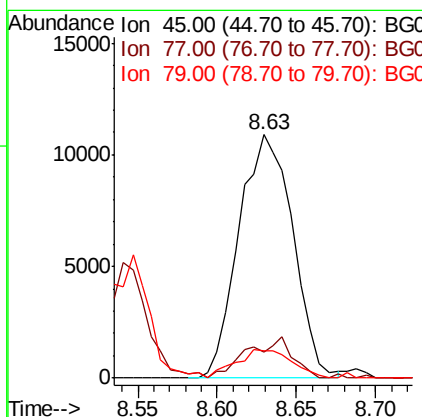
RT: 8.63 min Scan# 943

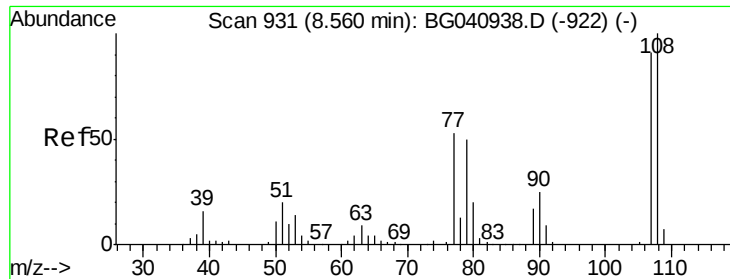
Delta R.T. -0.03 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:	45	Resp:	25739
Ion	Ratio	Lower	Upper
45	100		
77	10.9	0.0	33.7
79	11.4	0.0	30.2





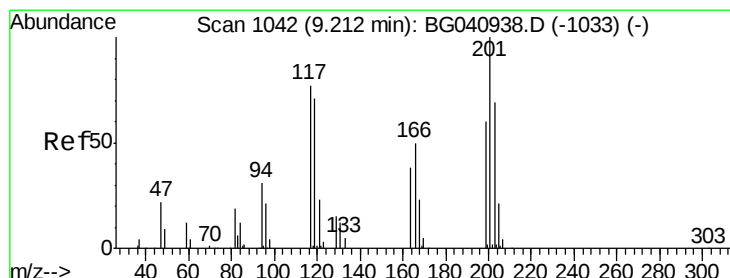
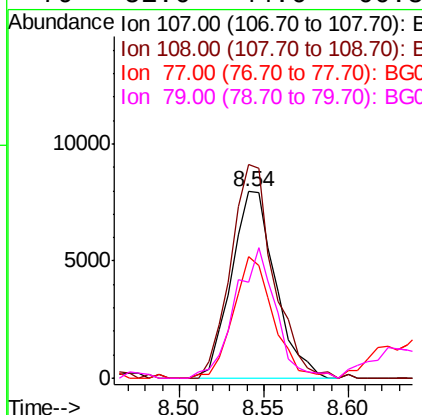
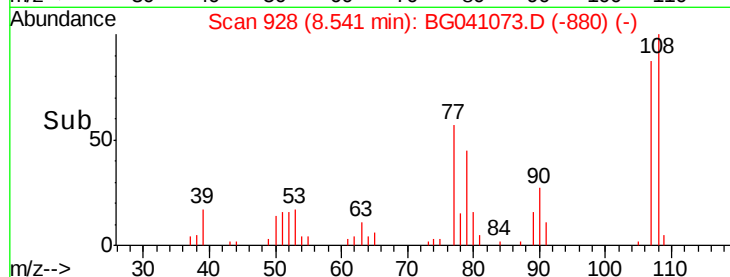
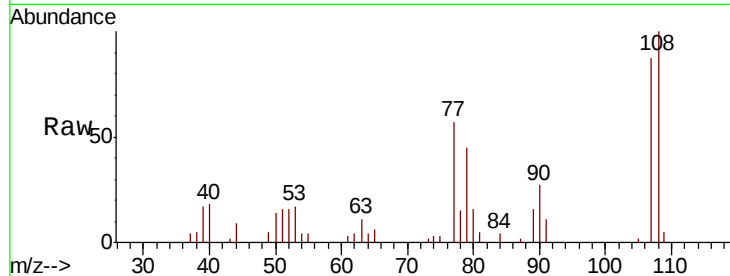
#17
2-Methylphenol
Concen: 5.788 ng
RT: 8.54 min Scan# 928
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	107	Resp:	14441
Ion Ratio	Lower	Upper	
107	100		
108	114.5	87.7	131.5
77	65.1	46.6	70.0
79	51.6	44.6	66.8

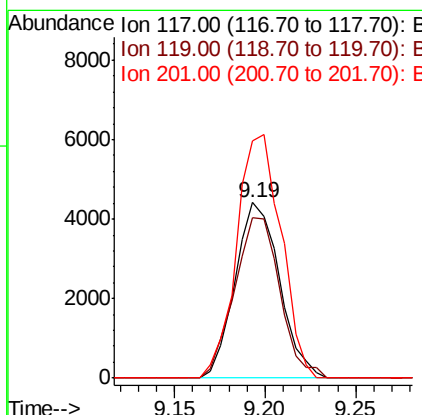
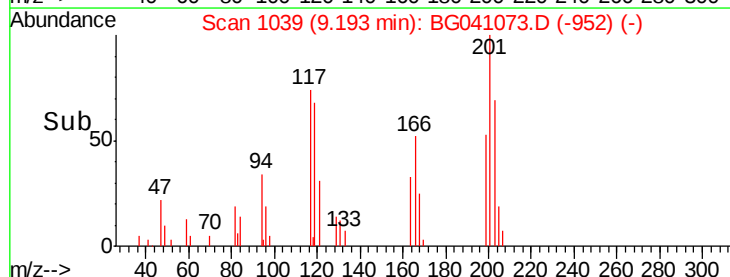
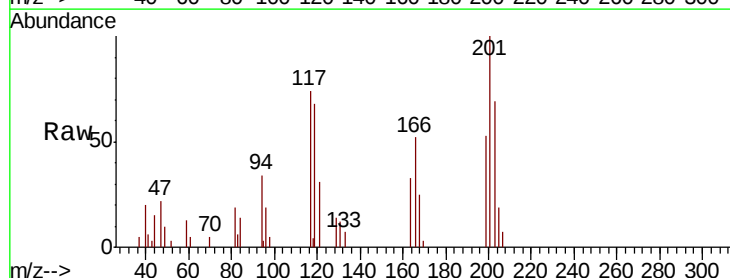
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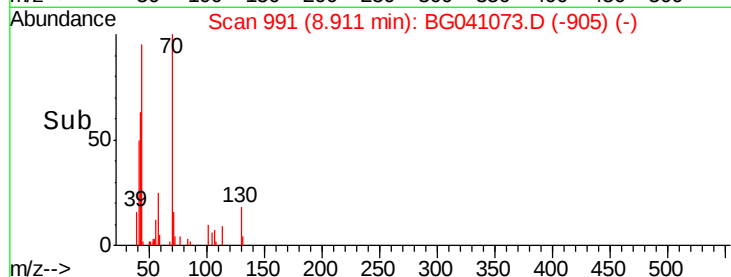
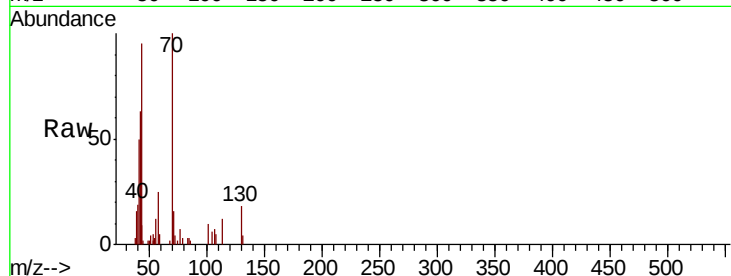
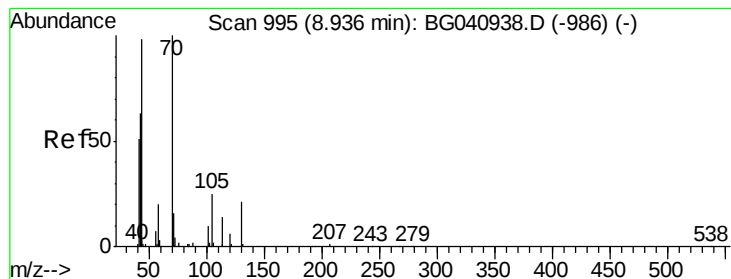
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#18
Hexachloroethane
Concen: 6.510 ng
RT: 9.19 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion:	117	Resp:	7526
Ion Ratio	Lower	Upper	
117	100		
119	91.6	75.0	112.6
201	135.5	103.5	155.3





#19

n-Nitroso-di-n-propylamine

Concen: 6.247 ng

RT: 8.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	63.4	51.5	77.3	
101	9.6	8.1	12.1	
130	17.5	16.6	24.8	

Instrument :

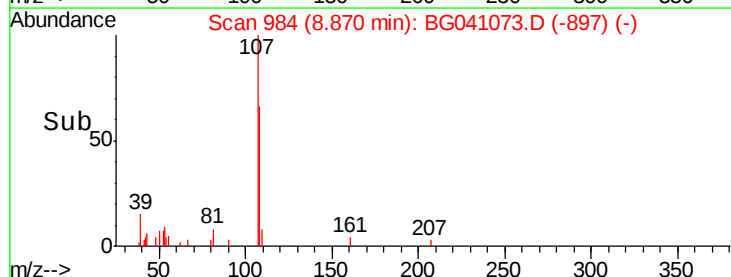
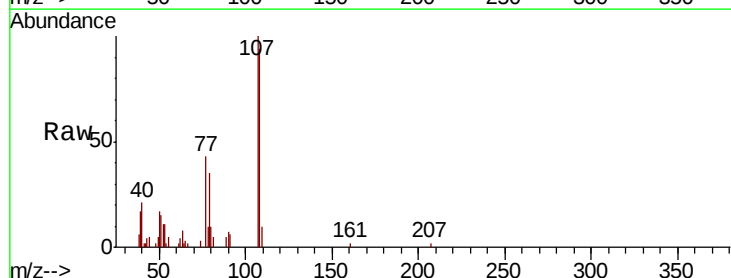
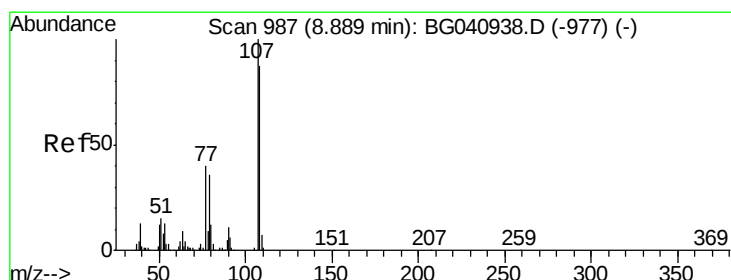
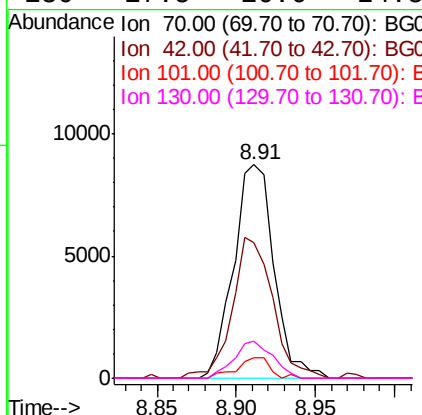
BNA_G

ClientSampleId :

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#20

3+4-Methylphenols

Concen: 5.635 ng

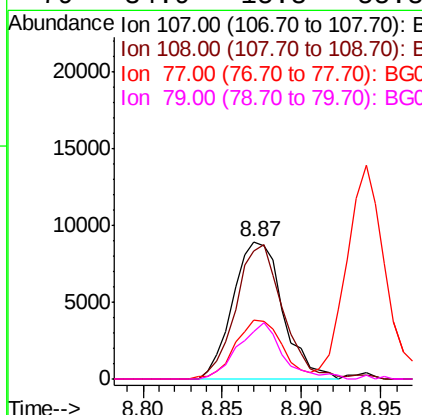
RT: 8.87 min Scan# 984

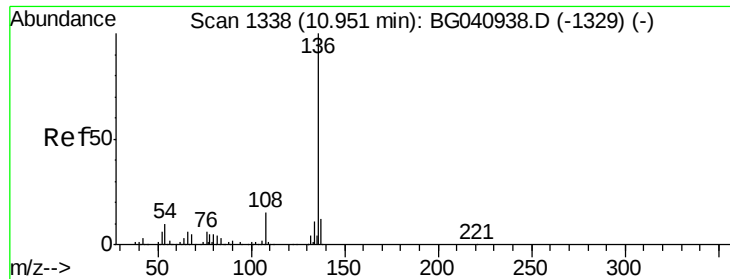
Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	93.6	66.8	106.8	
77	43.1	20.5	60.5	
79	34.9	15.8	55.8	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BG041073.D

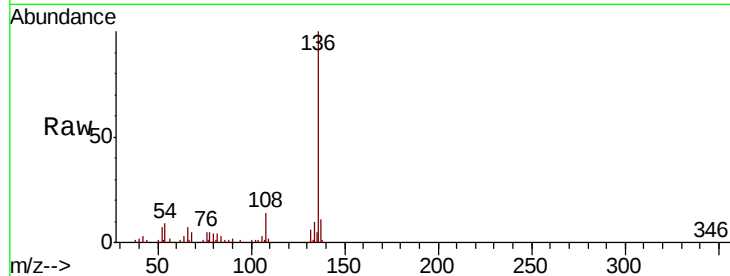
Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

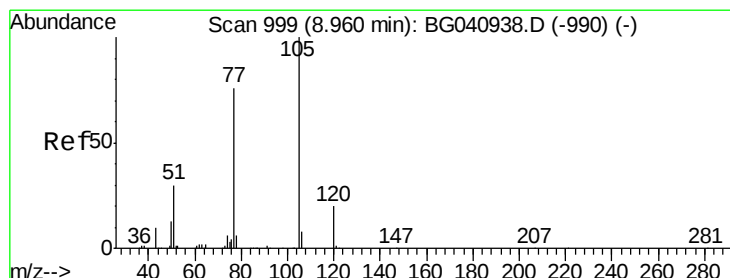
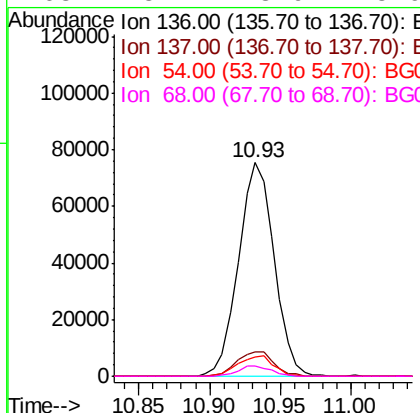
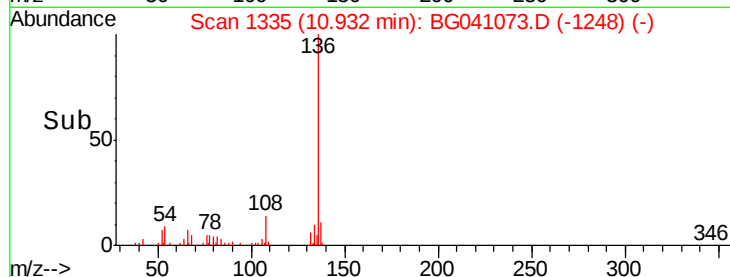
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Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	9.5	14.3	
54	8.9	7.6	11.4	
68	5.1	3.9	5.9	

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#22

Acetophenone

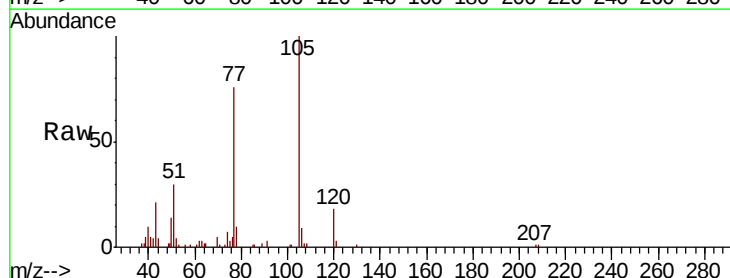
Concen: 7.916 ng

RT: 8.93 min Scan# 995

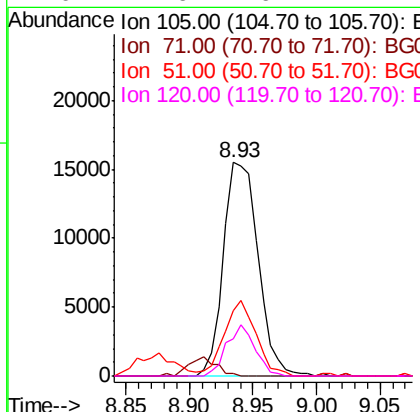
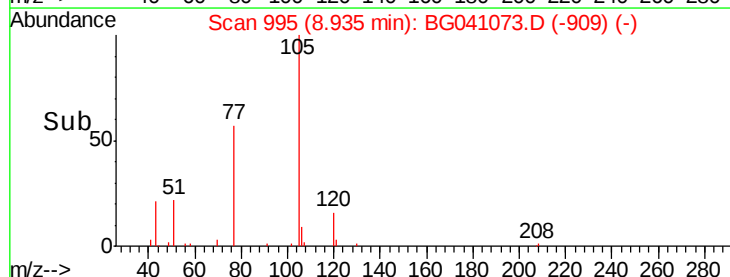
Delta R.T. -0.03 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42



Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	1.0	0.4	0.6#	
51	30.4	27.0	40.6	
120	17.6	16.2	24.4	





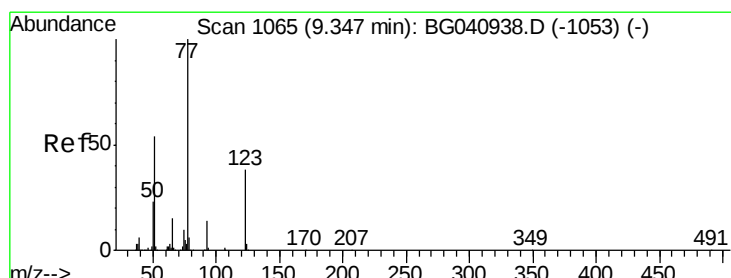
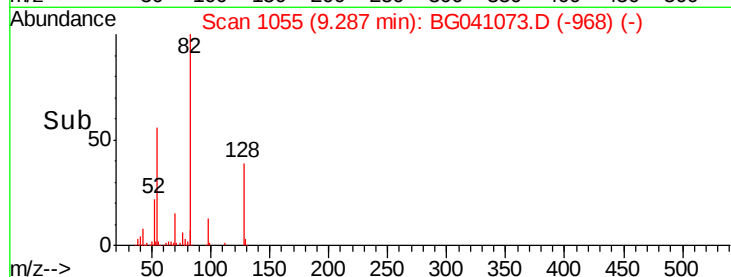
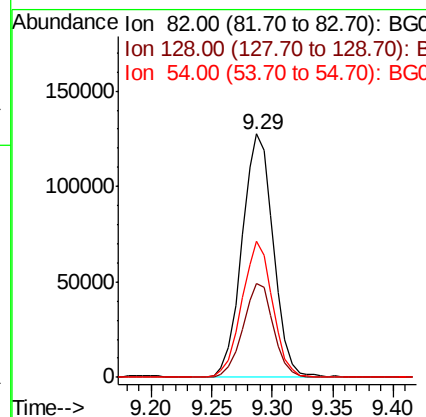
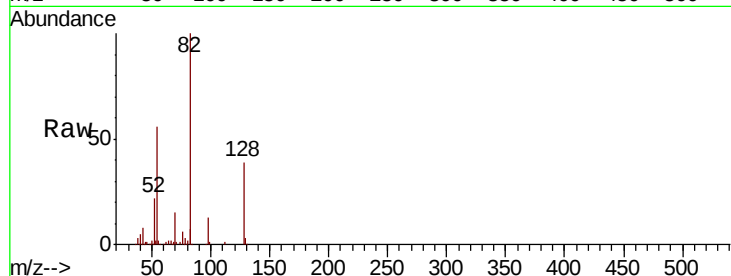
#23
 Nitrobenzene-d5
 Concen: 76.864 ng
 RT: 9.29 min Scan# 1055
 Delta R.T. -0.02 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.6	30.5	45.7
54	55.8	44.6	66.8

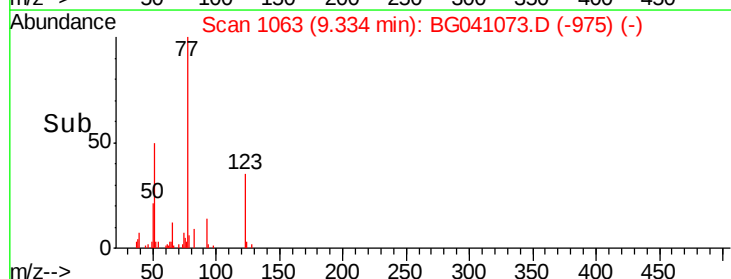
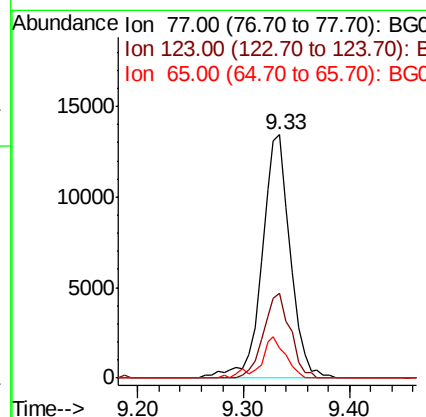
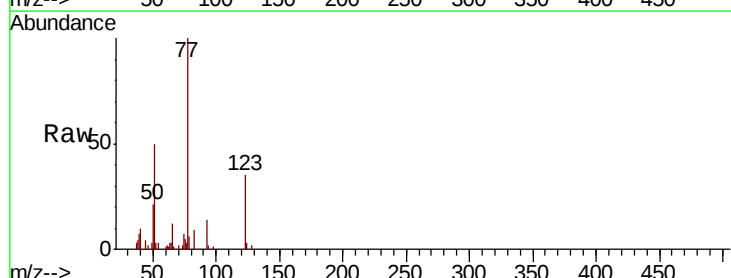
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#24
 Nitrobenzene
 Concen: 8.148 ng
 RT: 9.33 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
77	100		
123	34.7	30.6	46.0
65	12.1	12.3	18.5#





#25

Isophorone

Concen: 6.901 ng

RT: 9.84 min Scan# 1149

Delta R.T. -0.03 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

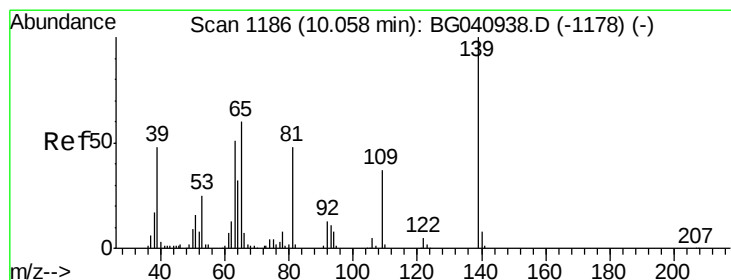
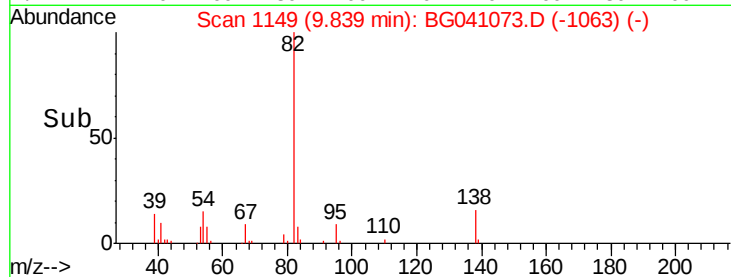
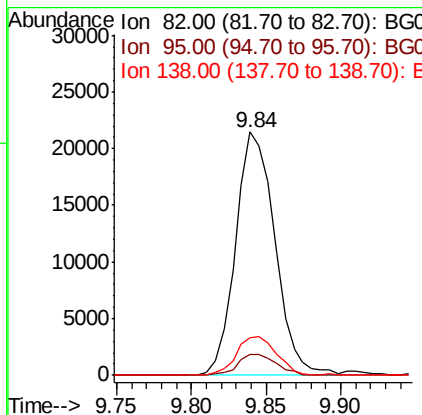
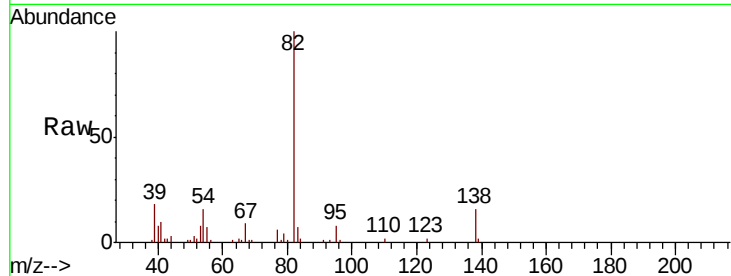
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	82	Resp:	39372
Ion Ratio	Lower	Upper	
82	100		
95	8.3	7.0	10.4
138	15.5	12.6	19.0

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#26

2-Nitrophenol

Concen: 7.618 ng

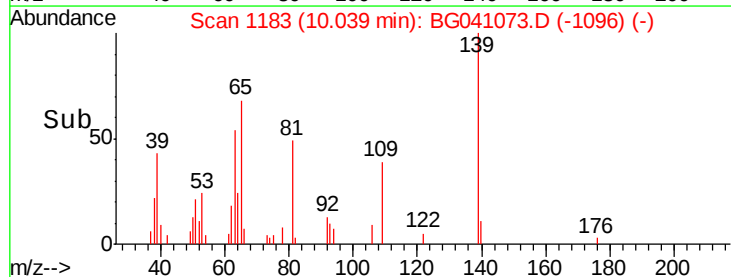
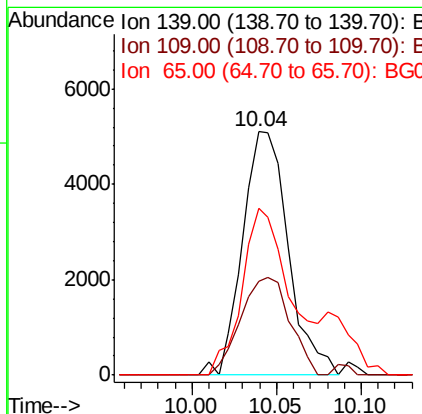
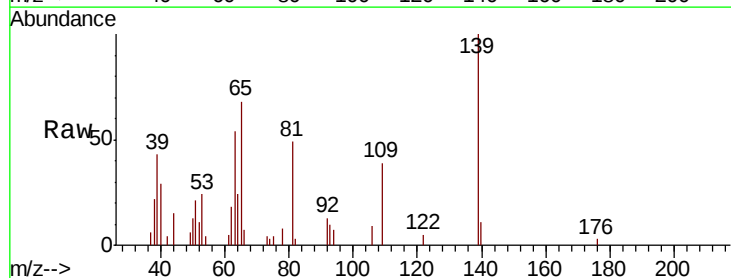
RT: 10.04 min Scan# 1183

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:	139	Resp:	9595
Ion Ratio	Lower	Upper	
139	100		
109	38.6	29.8	44.6
65	68.3	47.8	71.6





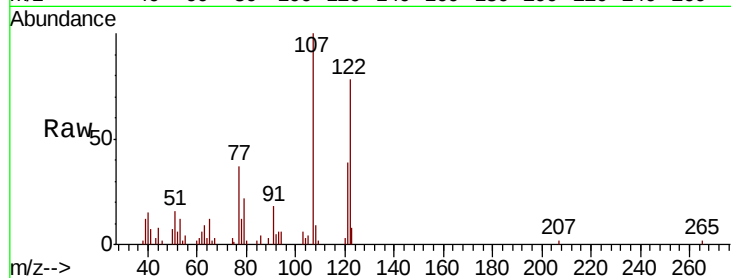
#27
 2,4-Dimethylphenol
 Concen: 7.232 ng
 RT: 10.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

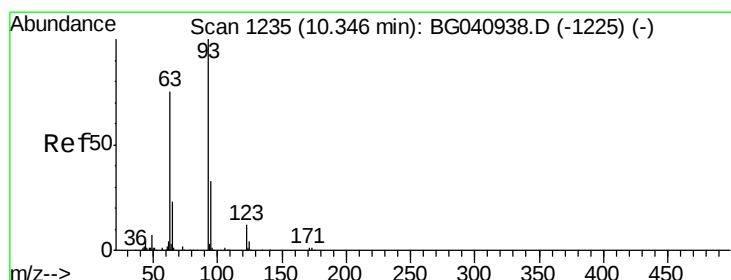
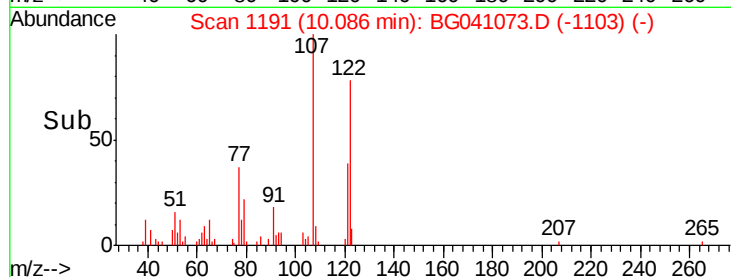
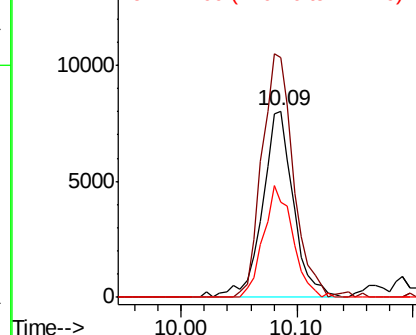
Tot Ion	Ratio	Lower	Upper
122	100		
107	128.6	105.9	158.9
121	50.8	46.2	69.4

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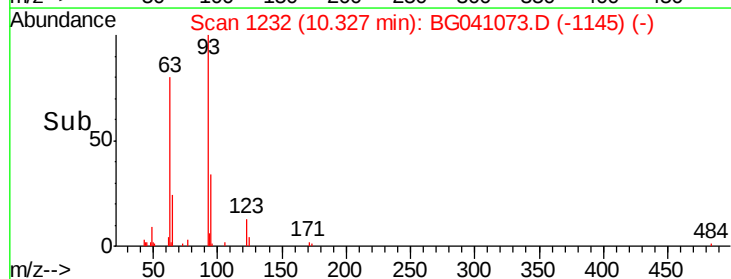
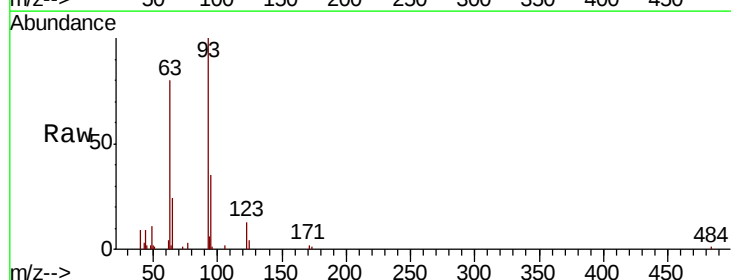
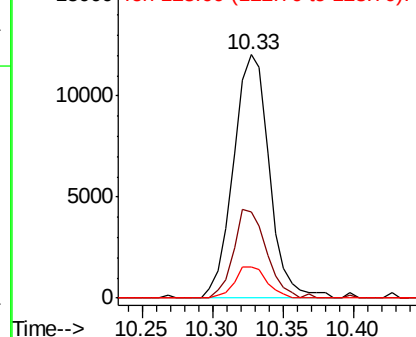
Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

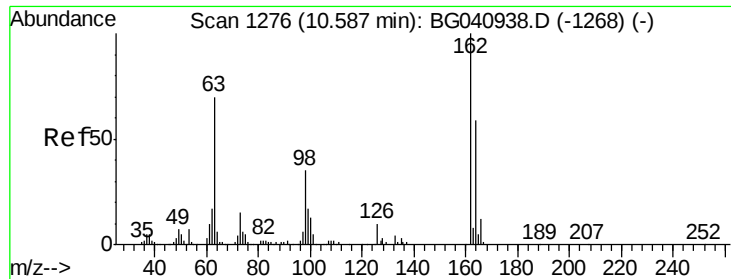


#28
 bis(2-Chloroethoxy)methane
 Concen: 6.914 ng
 RT: 10.33 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	35.3	26.2	39.2
123	12.7	9.5	14.3

Abundance Ion 93.00 (92.70 to 93.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC
 Ion 123.00 (122.70 to 123.70): E





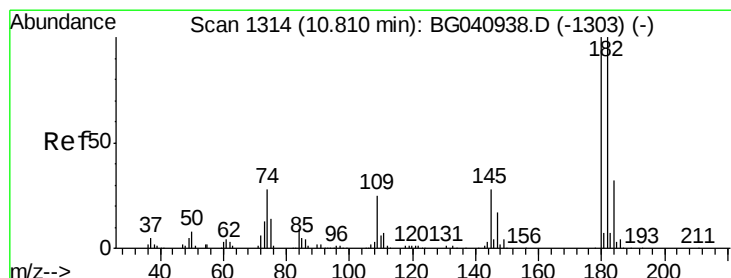
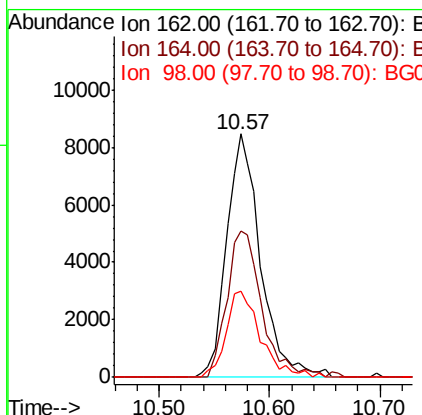
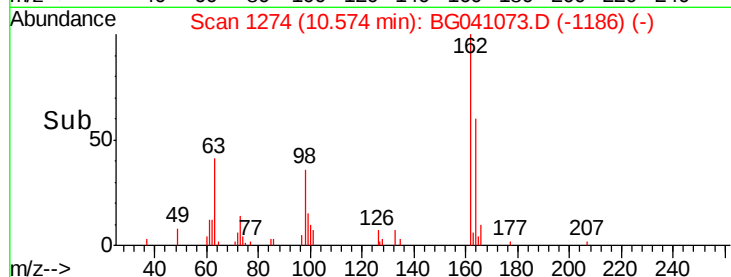
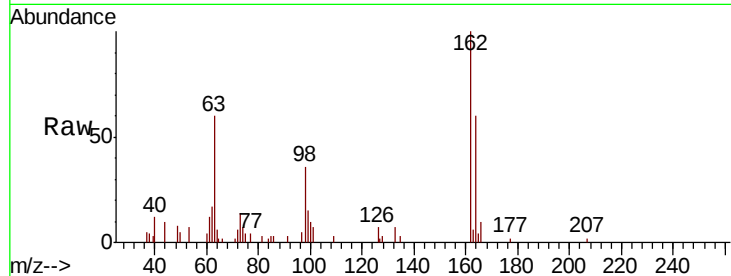
#29
2,4-Dichlorophenol
Concen: 6.867 ng
RT: 10.57 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
162	100		
164	60.4	39.4	79.4
98	35.5	15.3	55.3

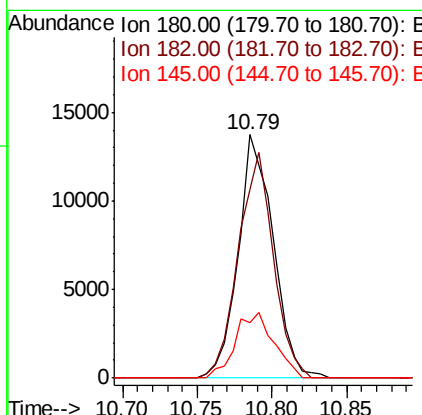
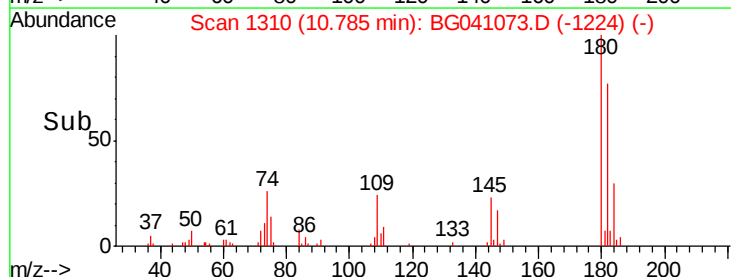
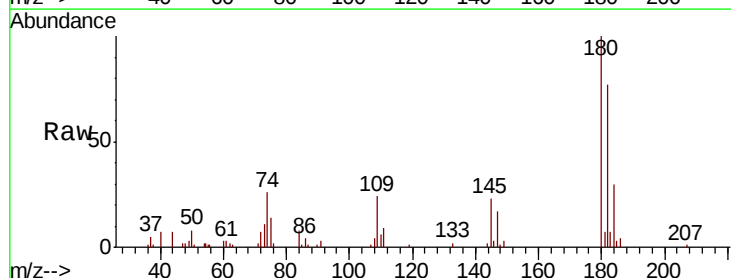
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#30
1,2,4-Trichlorobenzene
Concen: 7.419 ng
RT: 10.79 min Scan# 1310
Delta R.T. -0.03 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	77.3	79.7	119.5#
145	22.9	22.6	34.0





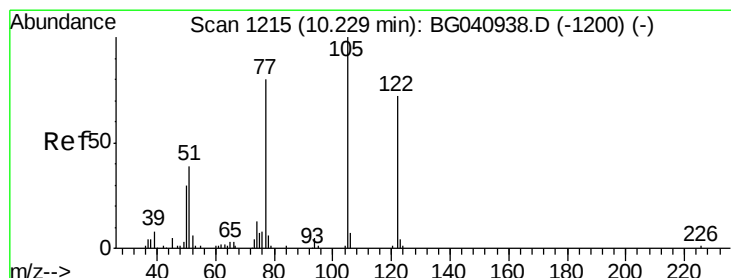
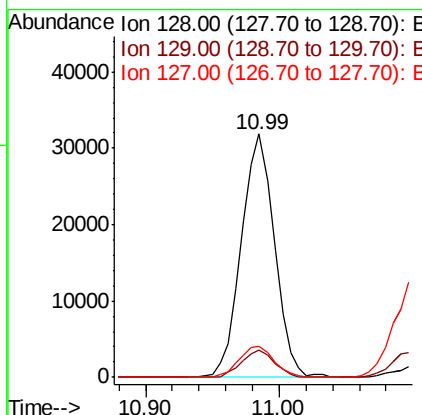
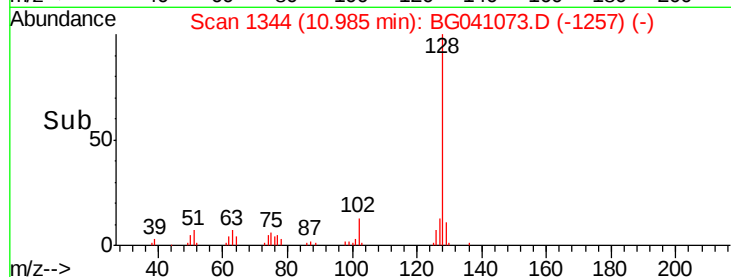
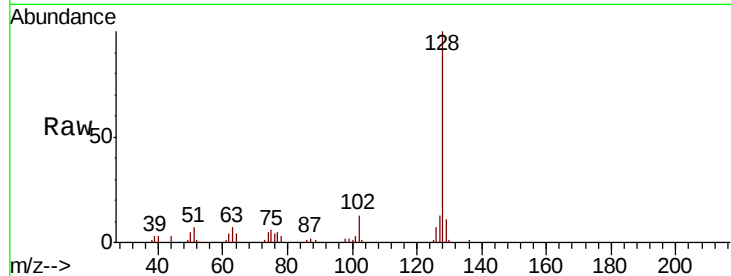
#31
Naphthalene
Concen: 7.656 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.5	12.7
127	12.9	11.4	17.2

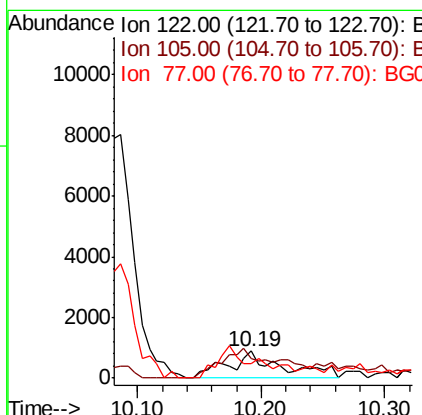
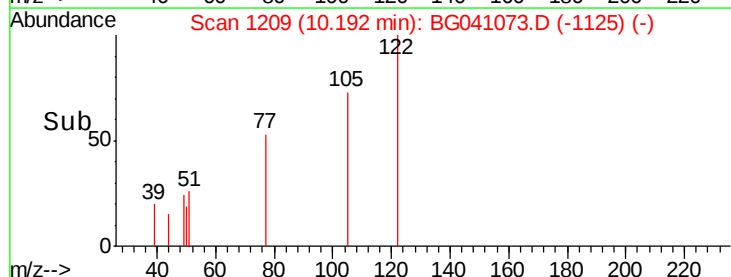
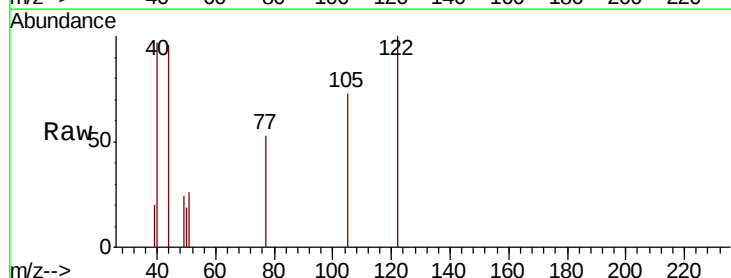
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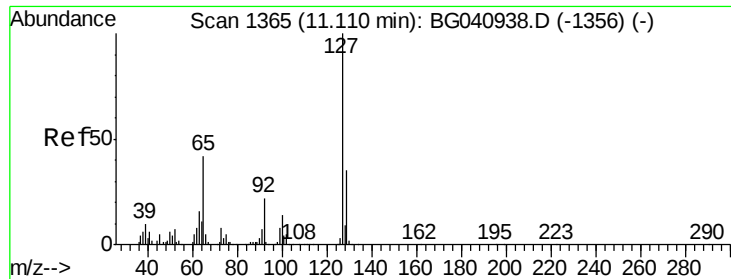
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#32
Benzoic acid
Concen: 9.496 ng m
RT: 10.19 min Scan# 1209
Delta R.T. -0.04 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
122	100		
105	72.6	114.8	154.8#
77	52.5	89.9	129.9#





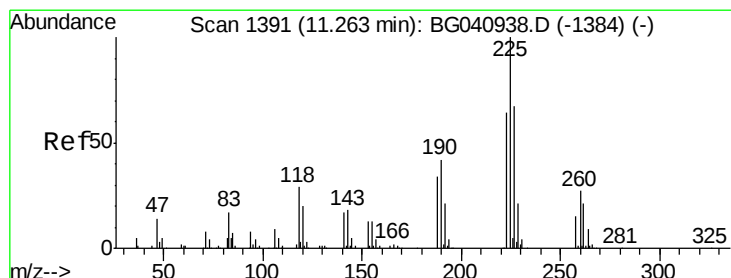
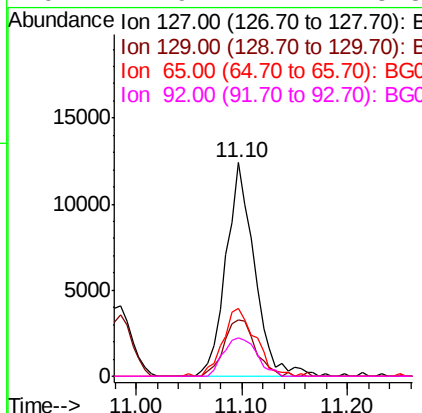
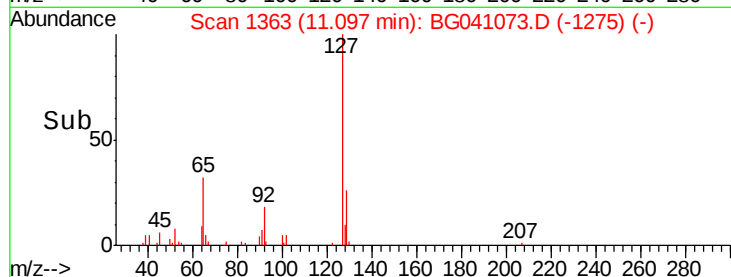
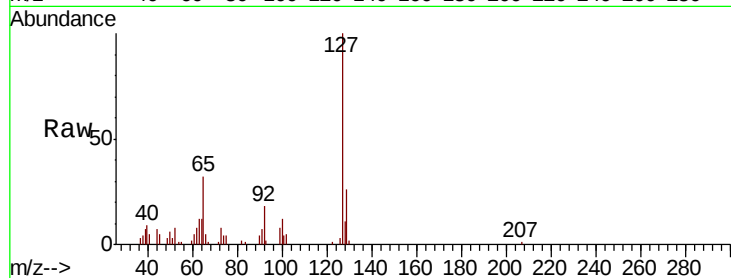
#33
4-Chloroaniline
Concen: 6.994 ng
RT: 11.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
127	100		
129	26.1	27.7	41.5#
65	31.8	33.2	49.8#
92	17.9	17.2	25.8

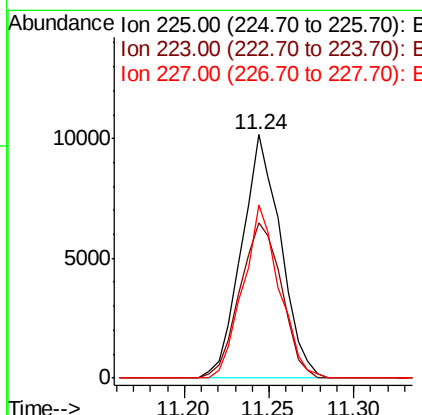
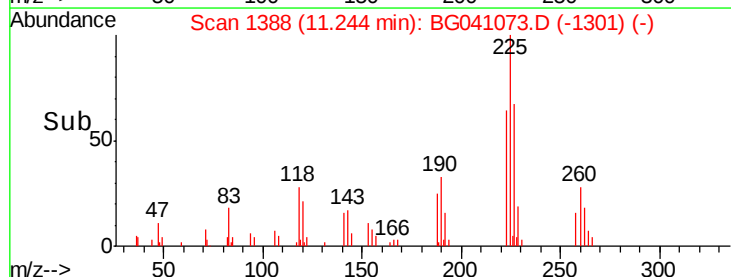
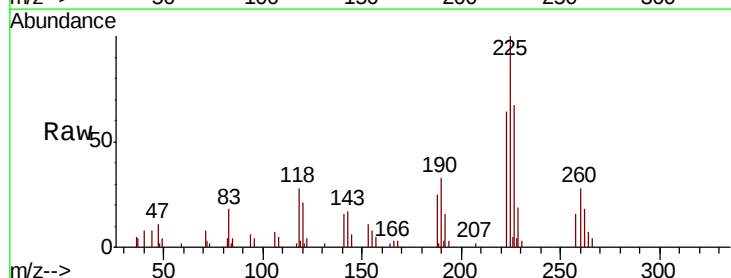
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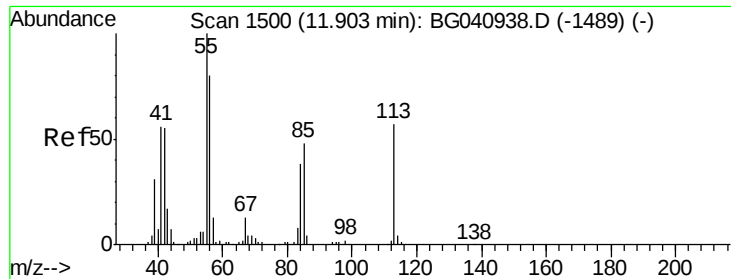
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#34
Hexachlorobutadiene
Concen: 7.139 ng
RT: 11.24 min Scan# 1388
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	48.8	73.2
227	71.1	51.4	77.0





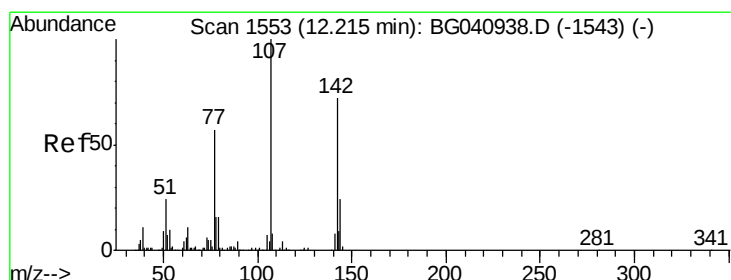
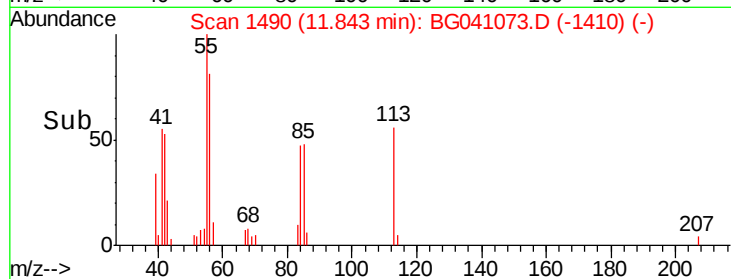
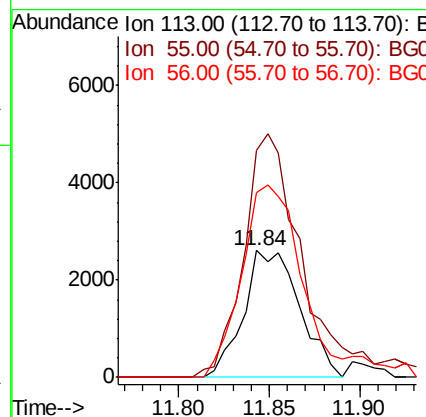
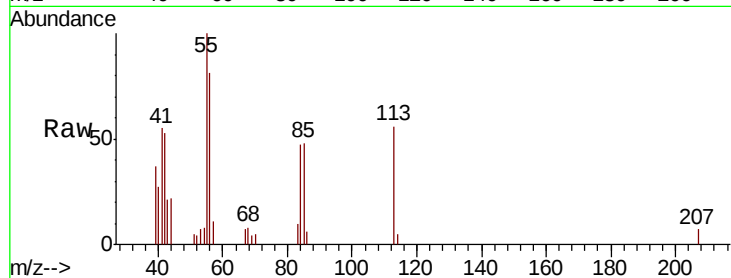
#35
 Caprolactam
 Concen: 6.409 ng
 RT: 11.84 min Scan# 1490
 Delta R.T. -0.06 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
113	100		
55	179.0	155.9	195.9
56	145.2	119.9	159.9

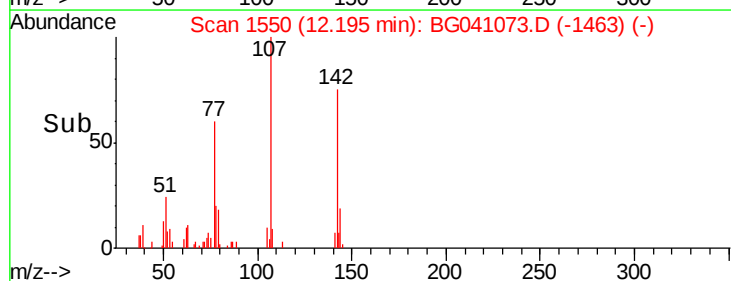
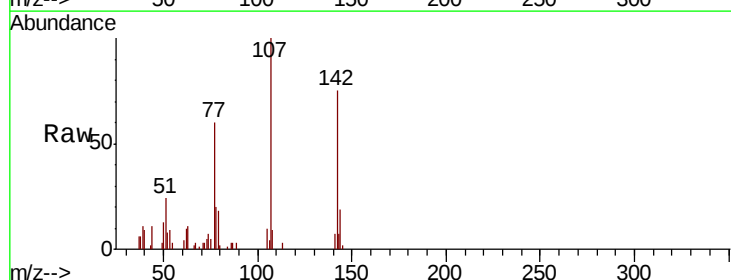
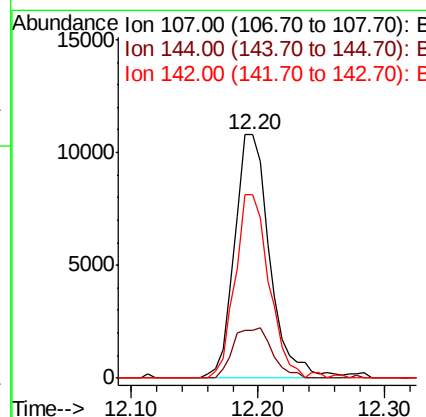
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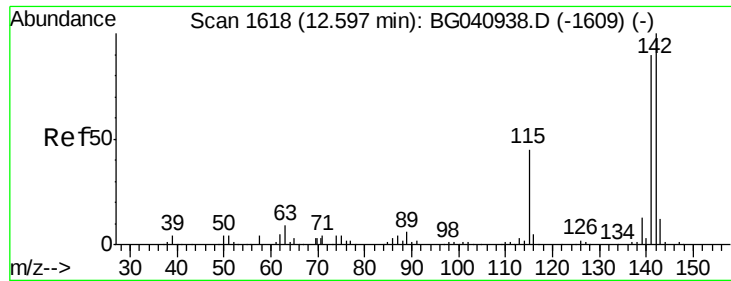
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#36
 4-Chloro-3-methylphenol
 Concen: 6.862 ng
 RT: 12.20 min Scan# 1550
 Delta R.T. -0.02 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
107	100		
144	19.4	19.4	29.0
142	75.1	57.3	85.9





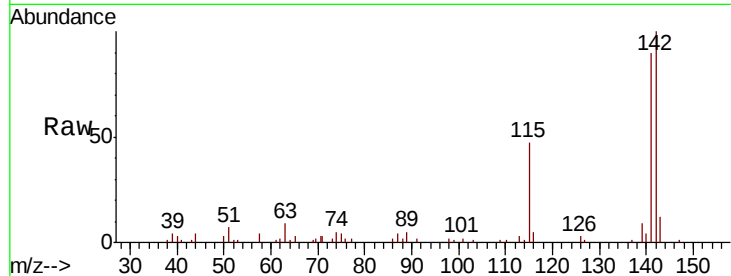
#37
2-Methylnaphthalene
Concen: 7.164 ng
RT: 12.58 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.2	108.4
115	47.3	36.2	54.4

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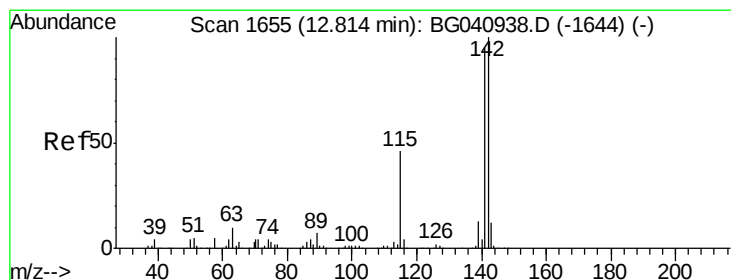
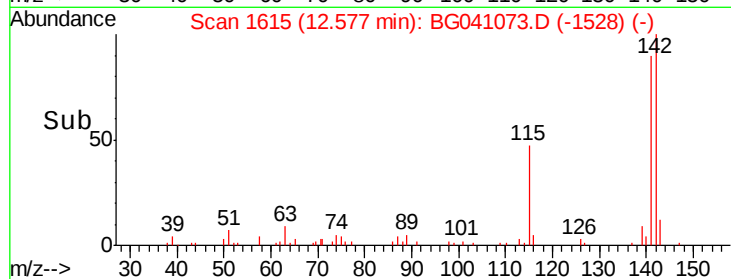
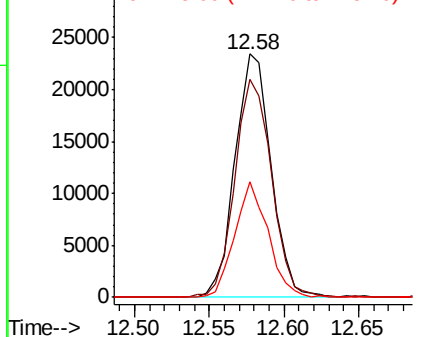


Abundance

Ion 142.00 (141.70 to 142.70): E

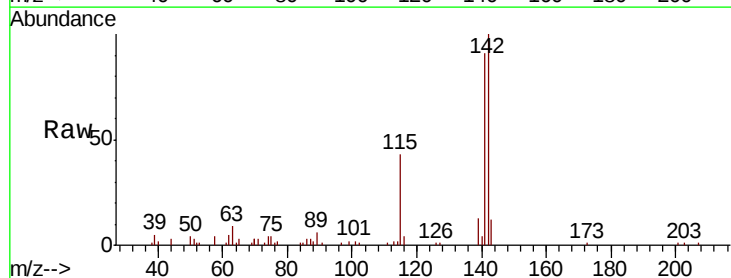
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 7.341 ng
RT: 12.79 min Scan# 1652
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	75.7	113.5
116	4.0	3.4	5.2

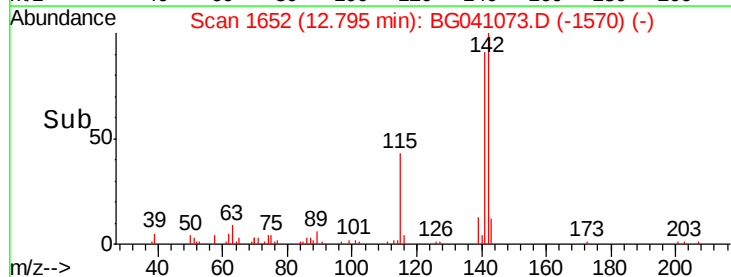
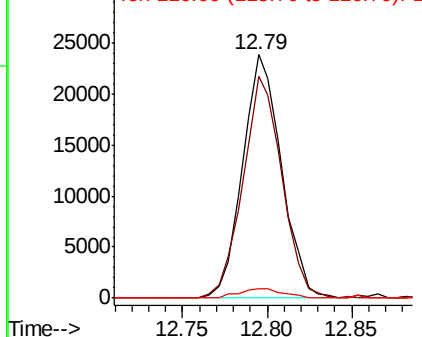


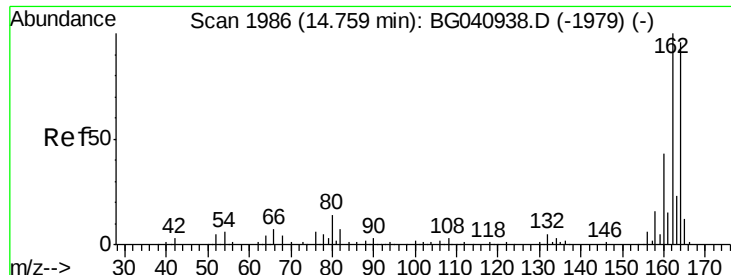
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

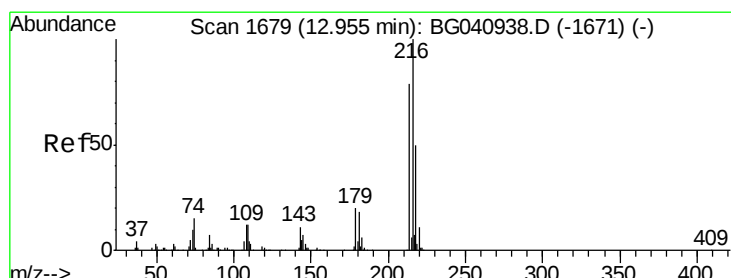
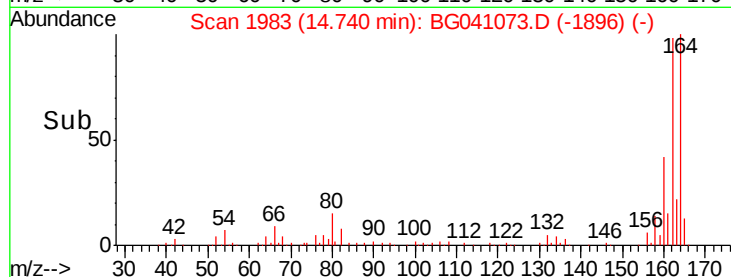
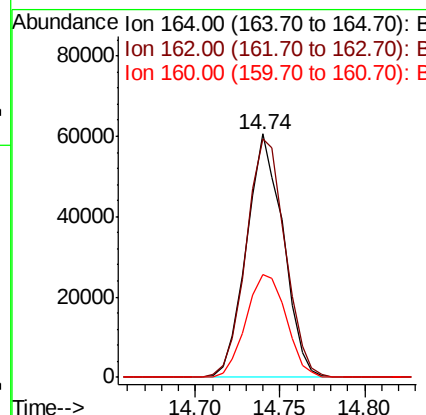
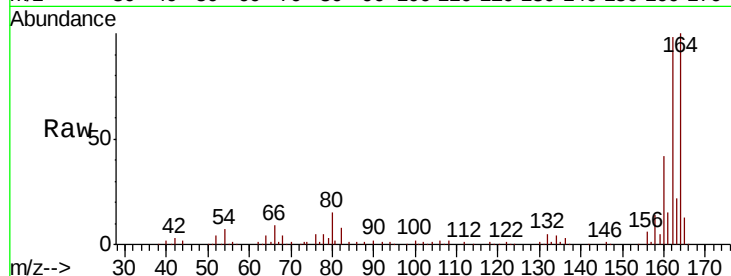
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	164	Resp:	91365
Ion Ratio	Lower	Upper	
164	100		
162	97.7	83.0	124.4
160	42.1	35.6	53.4

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.748 ng

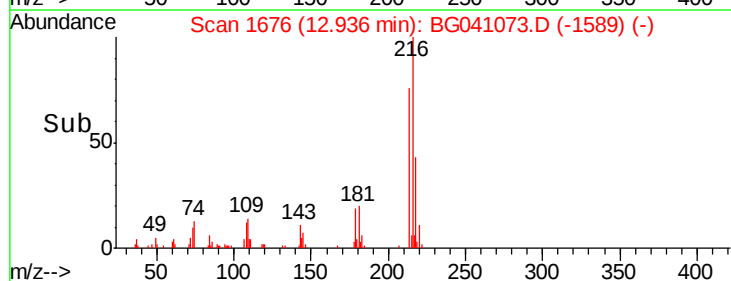
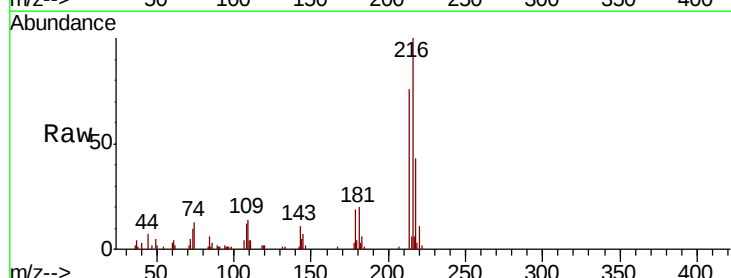
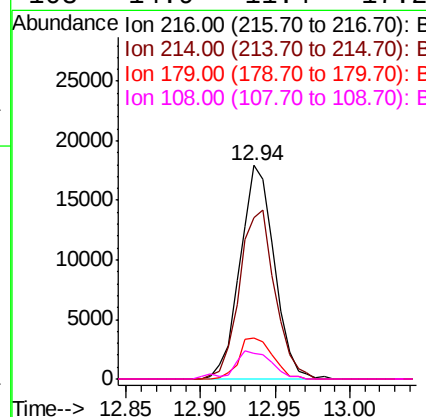
RT: 12.94 min Scan# 1676

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:	216	Resp:	28531
Ion Ratio	Lower	Upper	
216	100		
214	82.0	63.4	95.2
179	19.0	15.2	22.8
108	14.9	11.4	17.2





#41

Hexachlorocyclopentadiene

Concen: 12.750 ng

RT: 12.91 min Scan# 1671

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

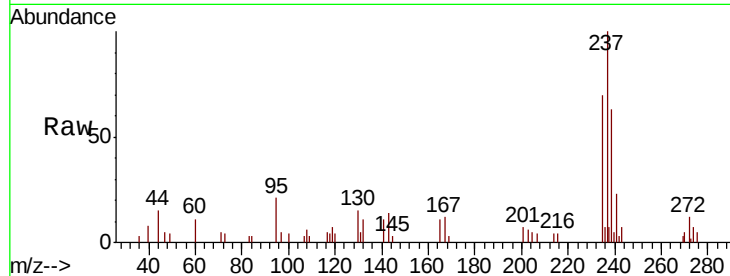
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

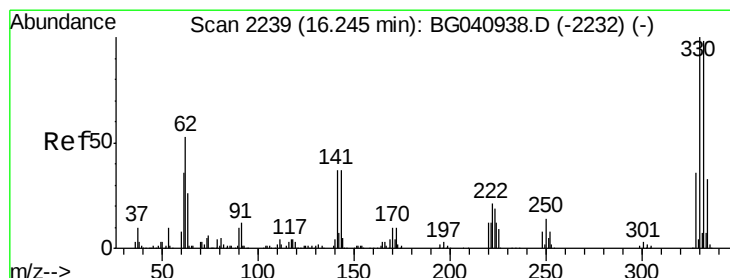
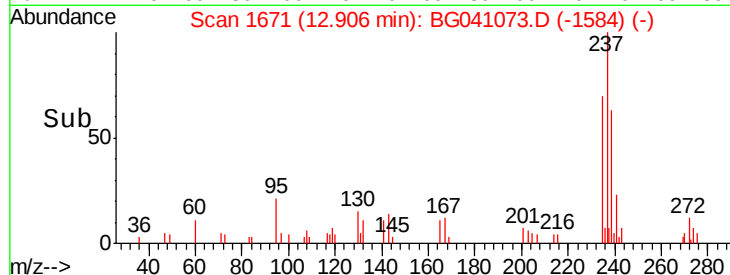
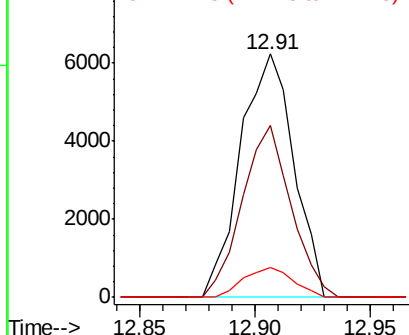
Tot Ion:	237	Resp:	9962
Ion Ratio	Lower	Upper	
237	100		
235	70.5	45.5	85.5
272	12.1	0.0	32.9

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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: 128.587 ng

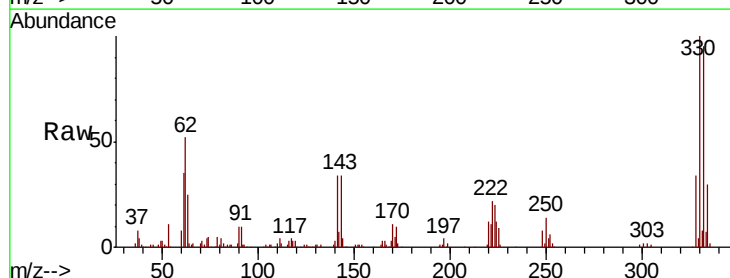
RT: 16.23 min Scan# 2236

Delta R.T. -0.02 min

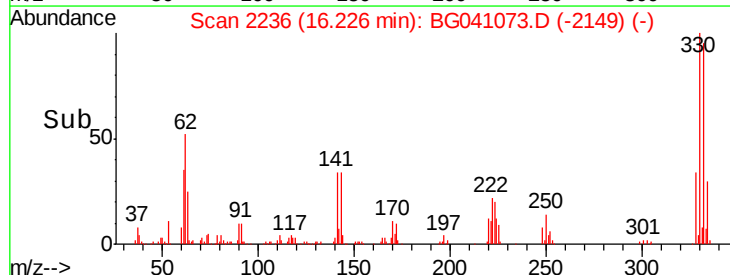
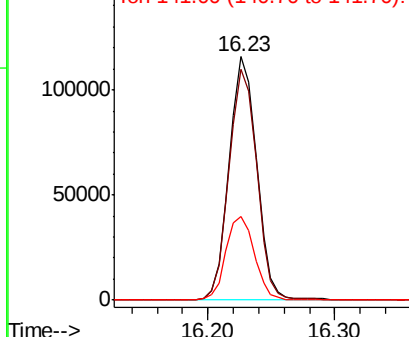
Lab File: BG041073.D

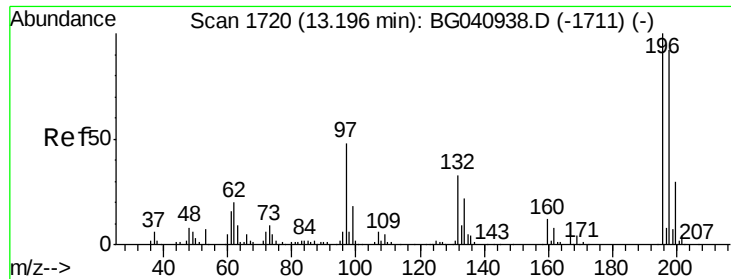
Acq: 5 Jun 2019 15:42

Tgt Ion:	330	Resp:	174412
Ion Ratio	Lower	Upper	
330	100		
332	95.9	78.5	117.7
141	35.5	28.7	43.1



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





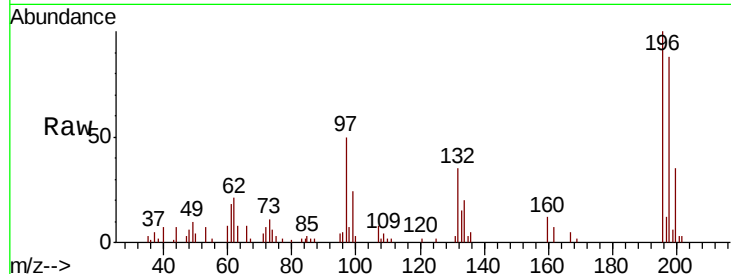
#43
 2,4,6-Trichlorophenol
 Concen: 7.035 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. -0.02 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
196	100	16759		
198	87.9	73.8	110.6	
200	34.6	24.1	36.1	

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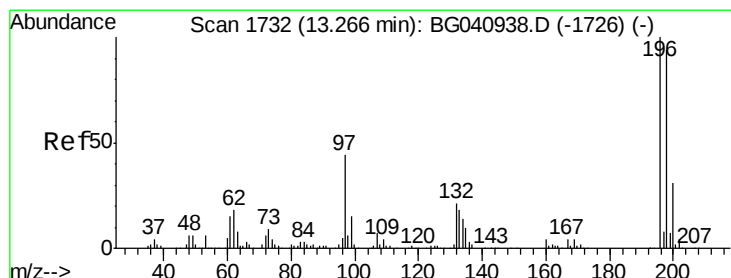
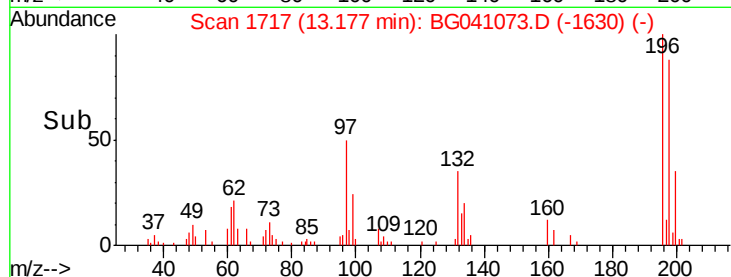
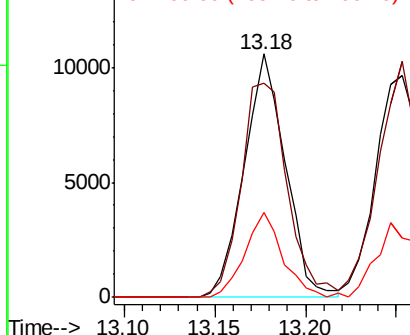


Abundance

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: 7.342 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	18446		
198	106.4	75.1	112.7	
97	48.5	35.6	53.4	
132	26.7	16.7	25.1	

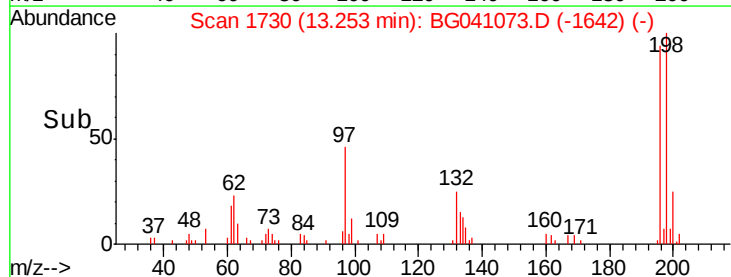
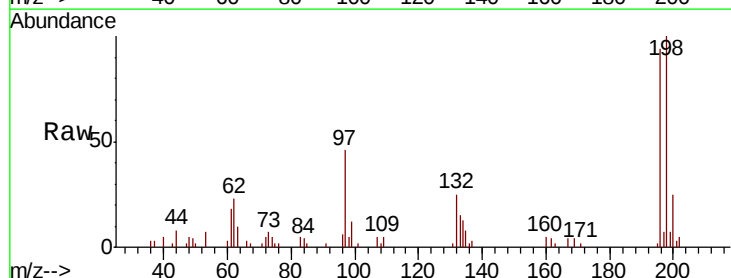
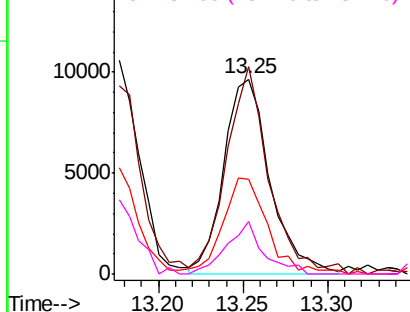
Abundance

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





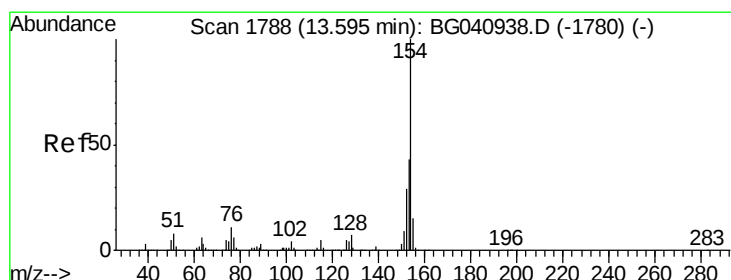
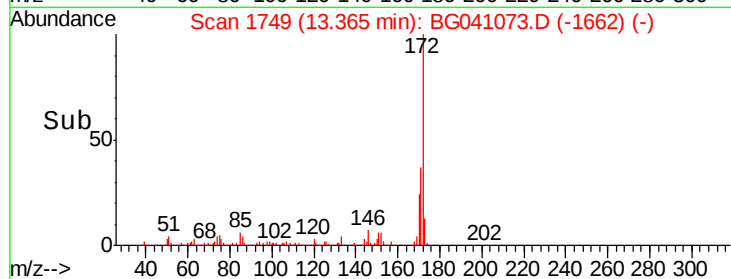
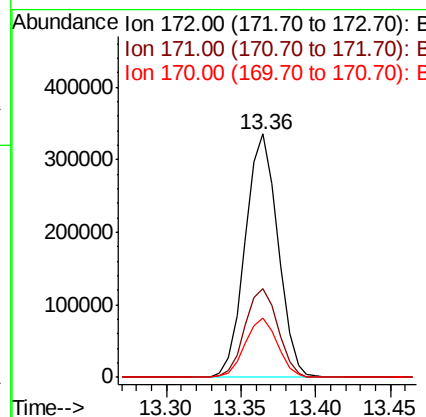
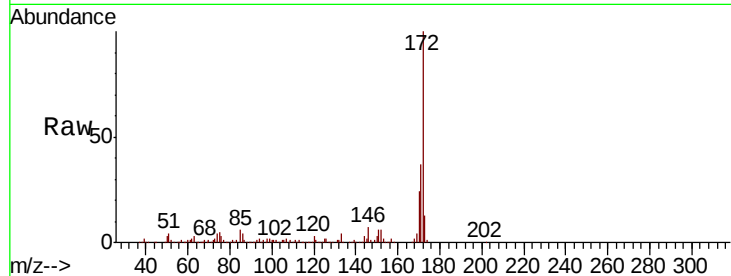
#45
2-Fluorobiphenyl
Concen: 80.102 ng
RT: 13.36 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.7	31.1	46.7
170	24.4	20.5	30.7

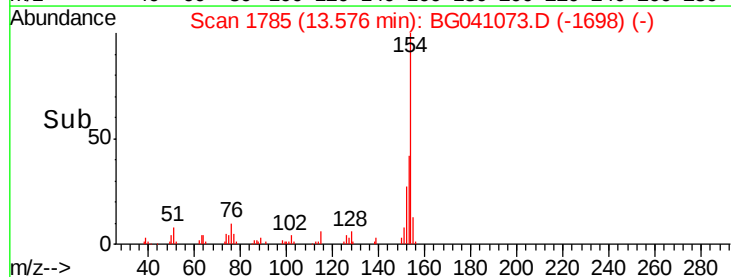
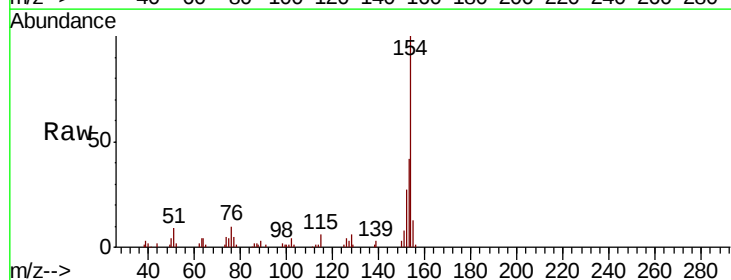
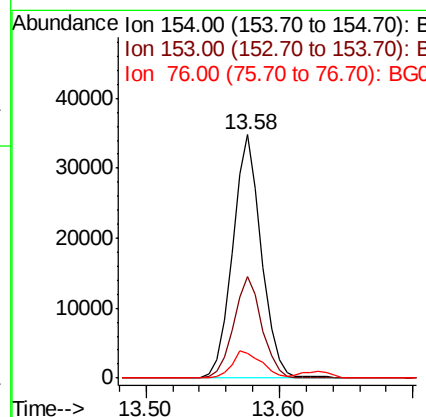
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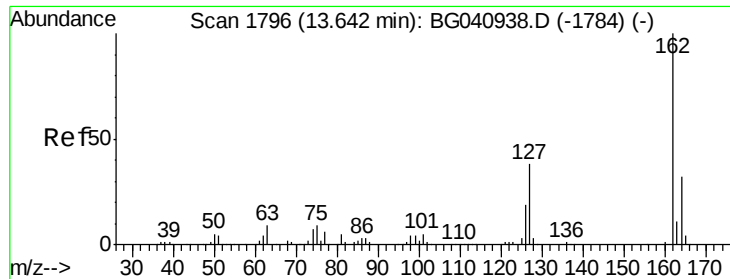
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#46
1,1'-Biphenyl
Concen: 7.724 ng
RT: 13.58 min Scan# 1785
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	41.7	23.3	63.3
76	10.4	0.0	31.1





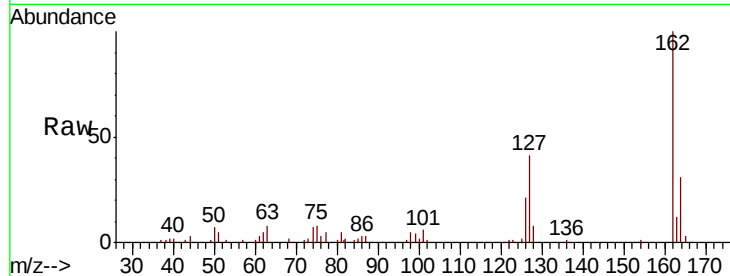
#47
2-Chloronaphthalene
Concen: 7.324 ng
RT: 13.62 min Scan# 1793
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

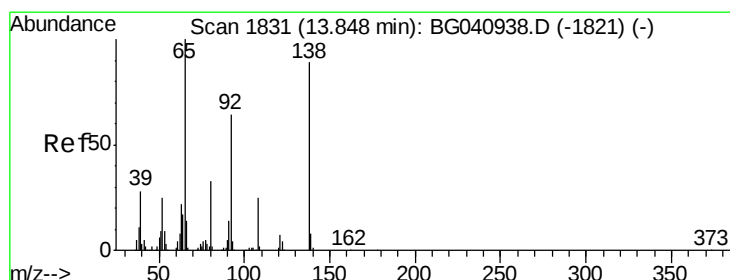
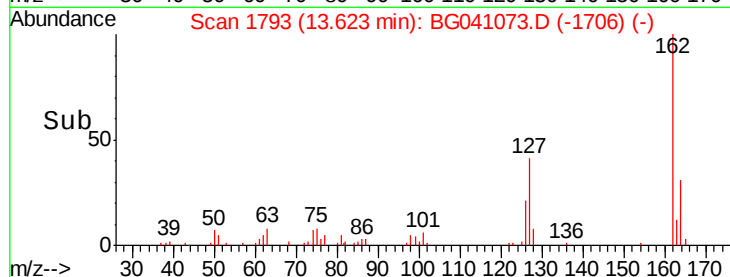
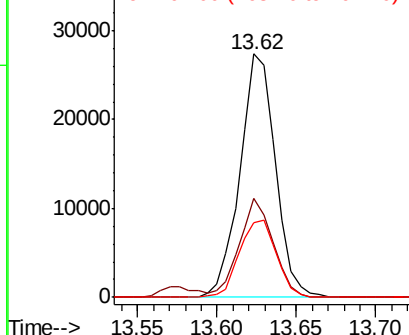
Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		42521		
127	40.6	30.5	45.7		
164	30.7	25.8	38.6		

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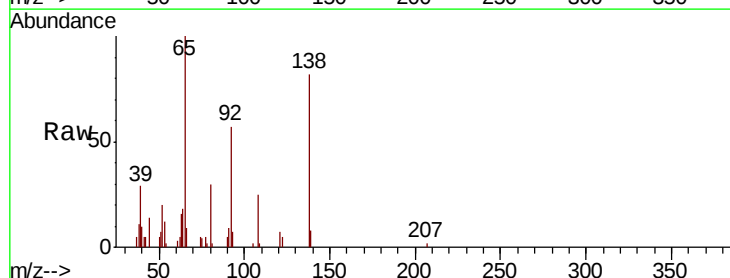


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

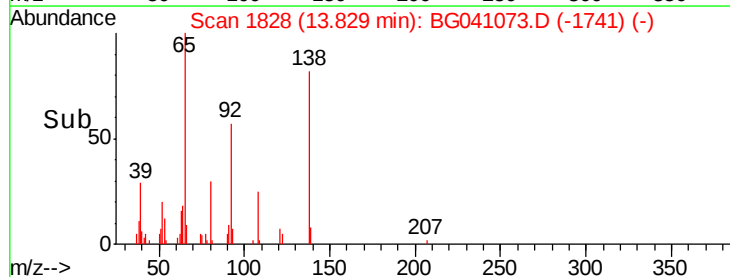
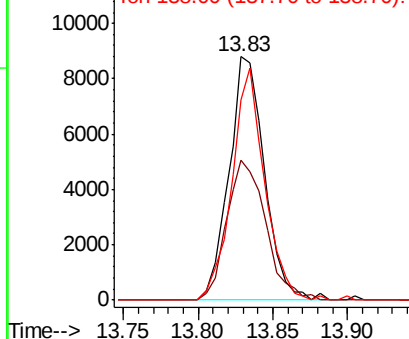


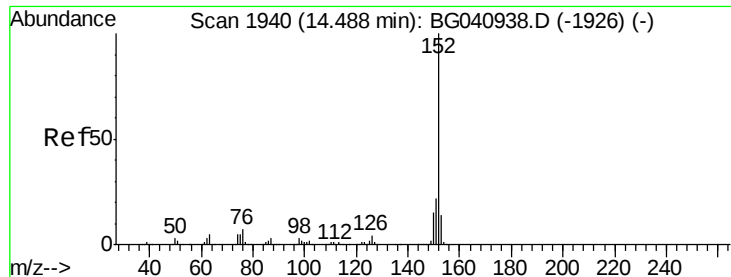
#48
2-Nitroaniline
Concen: 7.011 ng
RT: 13.83 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100		14604		
92	57.4	51.0	76.6		
138	82.2	71.2	106.8		



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 7.849 ng

RT: 14.47 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

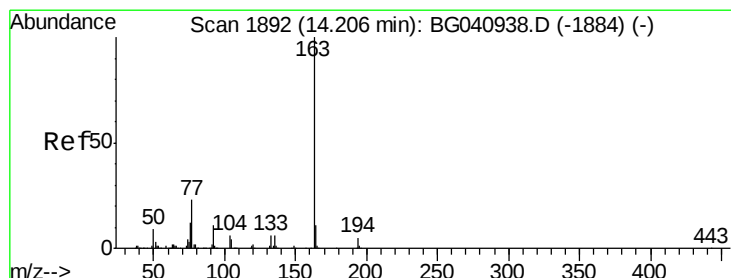
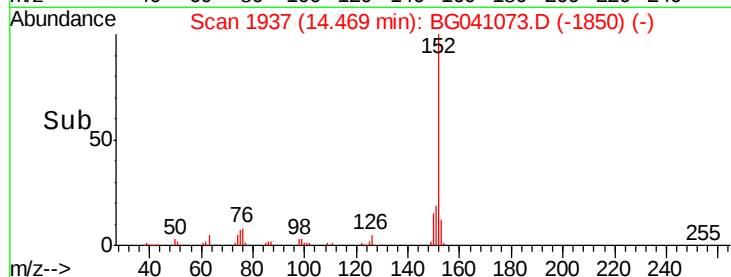
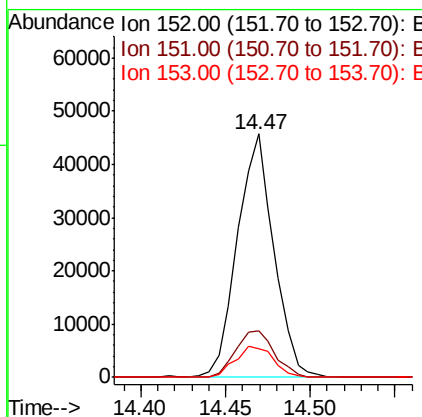
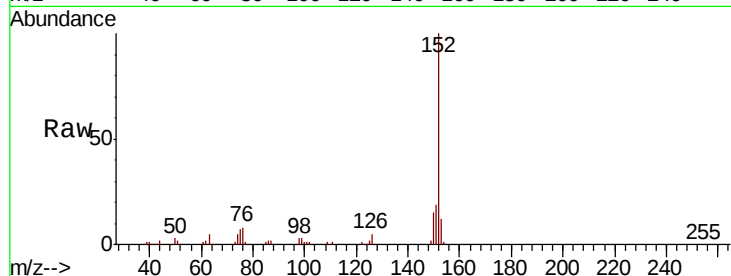
ClientSampleId :

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Tot Ion:	152	Resp:	68586
Ion Ratio	Lower	Upper	
152	100		
151	19.3	17.4	26.0
153	11.7	11.0	16.4

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#50

Dimethylphthalate

Concen: 7.211 ng

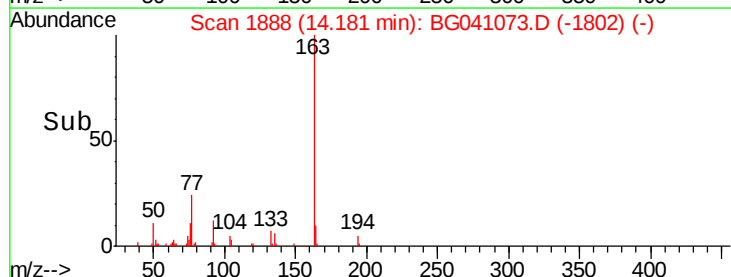
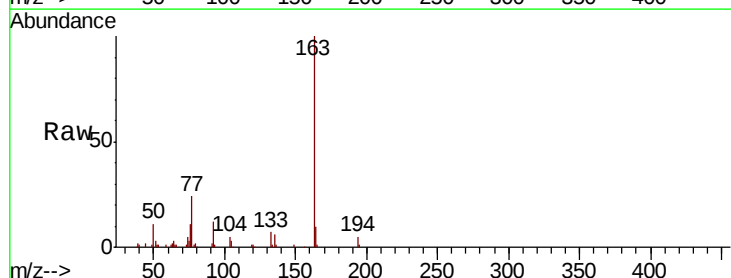
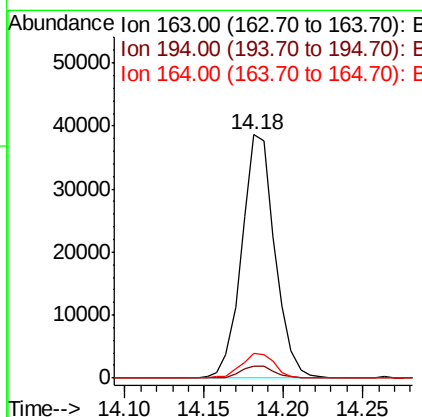
RT: 14.18 min Scan# 1888

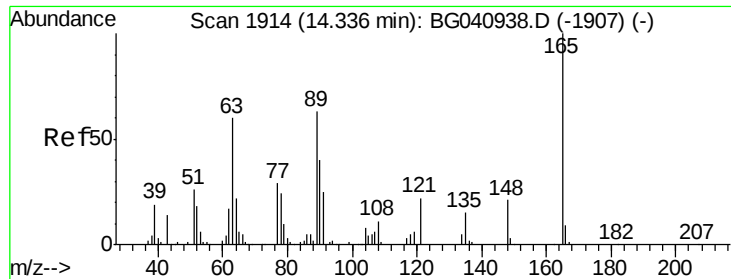
Delta R.T. -0.03 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:	163	Resp:	55769
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.8	5.8
164	10.2	8.7	13.1





#51

2,6-Dinitrotoluene

Concen: 7.449 ng

RT: 14.32 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

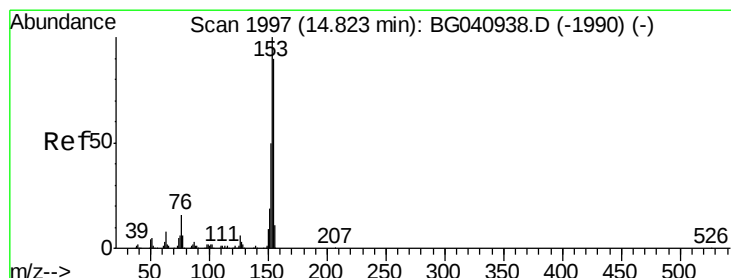
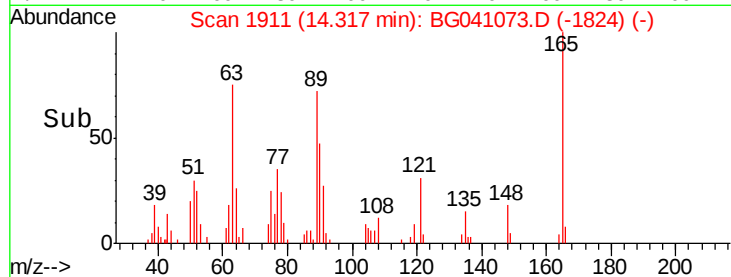
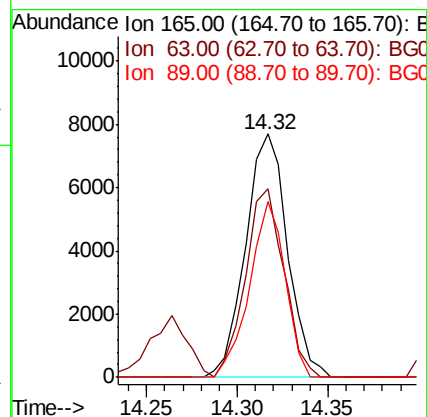
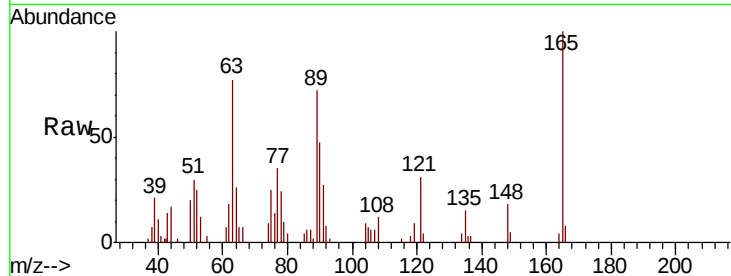
ClientSampleId :

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Tot Ion:	165	Resp:	12422
Ion Ratio	Lower	Upper	
165	100		
63	77.3	53.6	80.4
89	72.0	50.4	75.6

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#52

Acenaphthene

Concen: 7.618 ng

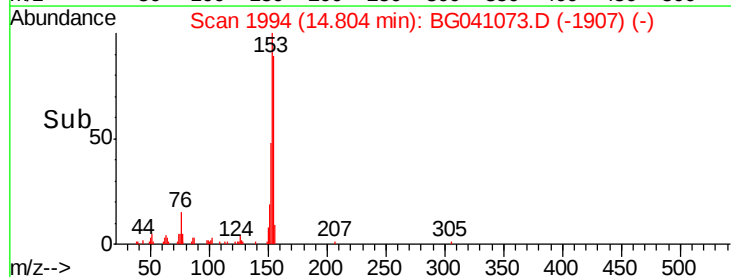
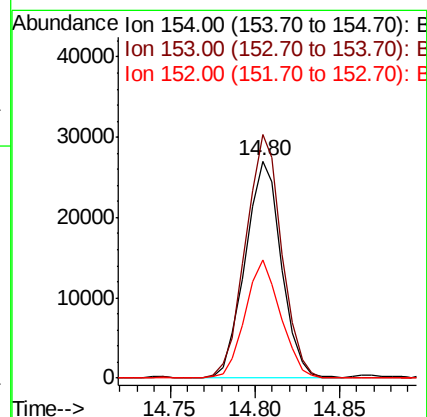
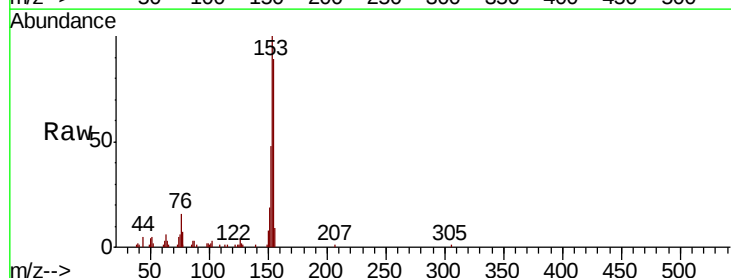
RT: 14.80 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:	154	Resp:	40327
Ion Ratio	Lower	Upper	
154	100		
153	112.0	88.6	133.0
152	54.2	44.2	66.4





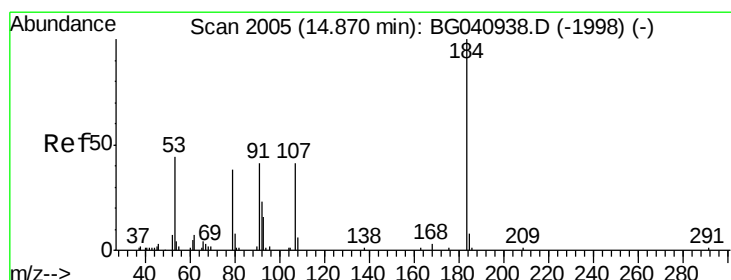
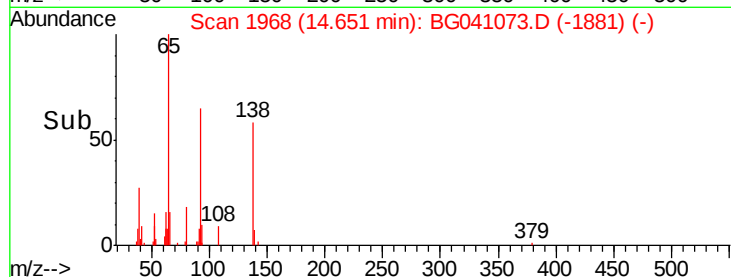
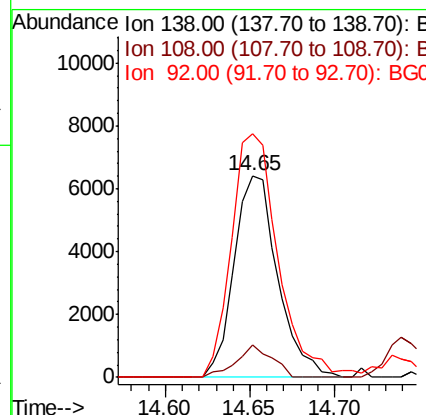
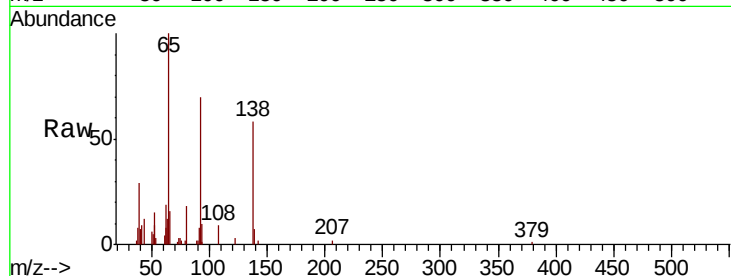
#53
3-Nitroaniline
Concen: 6.922 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	16.4	8.5	12.7#
92	120.9	99.0	148.6

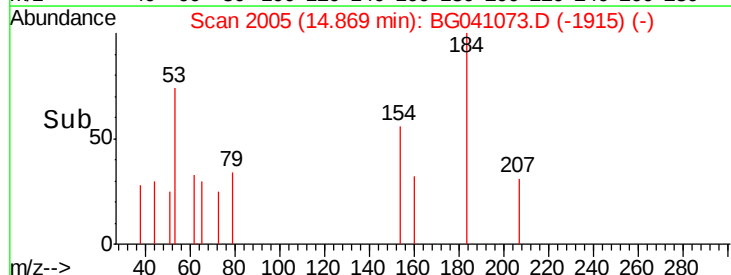
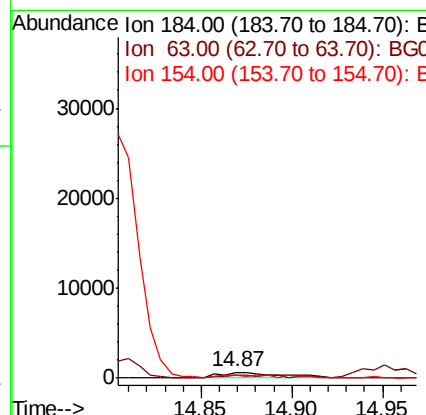
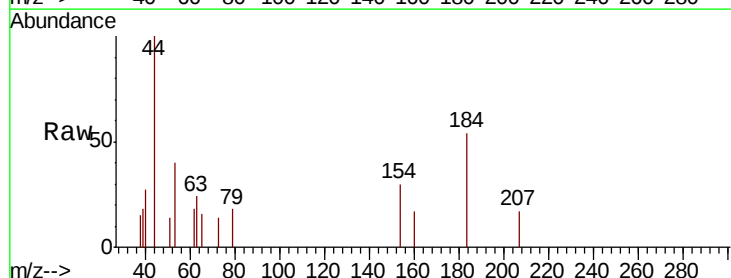
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#54
2,4-Dinitrophenol
Concen: 10.437 ng
RT: 14.87 min Scan# 2005
Delta R.T. -0.00 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
184	100		
63	44.8	49.8	74.6#
154	55.7	52.2	78.4





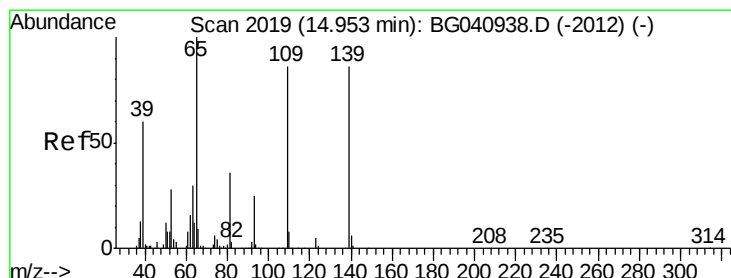
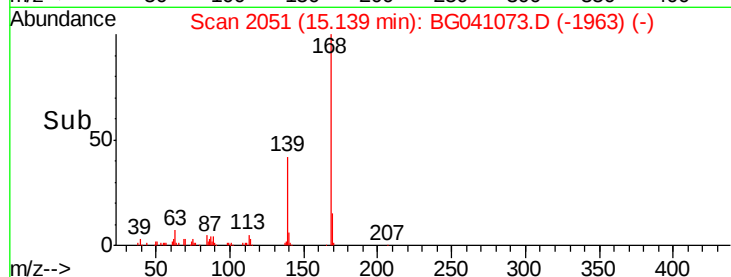
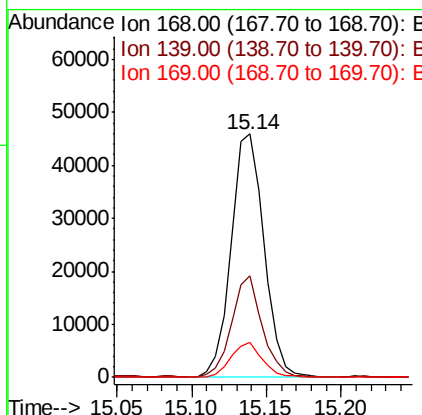
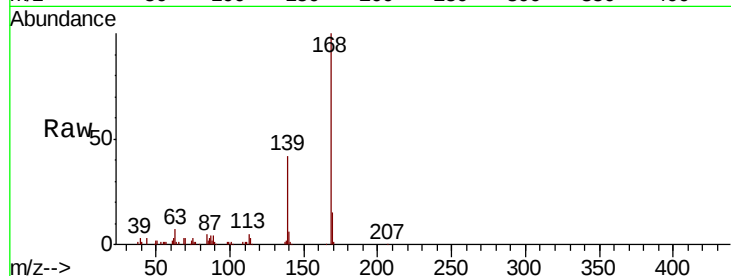
#55
Dibenzofuran
Concen: 7.926 ng
RT: 15.14 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.9	32.8	49.2
169	14.6	11.3	16.9

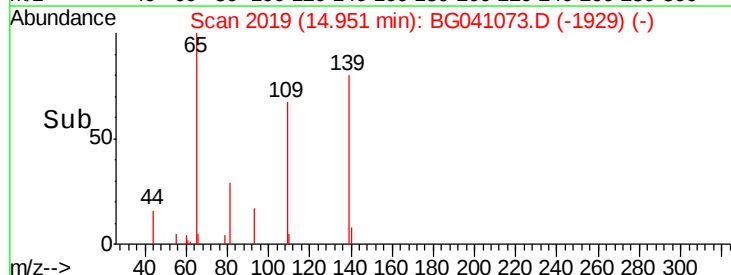
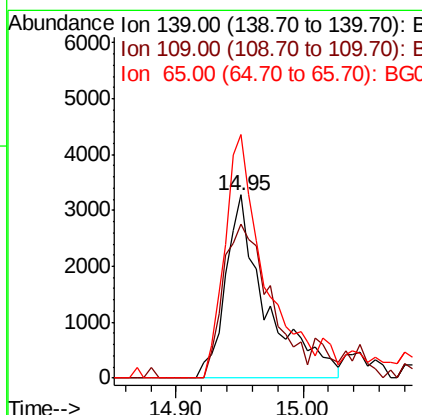
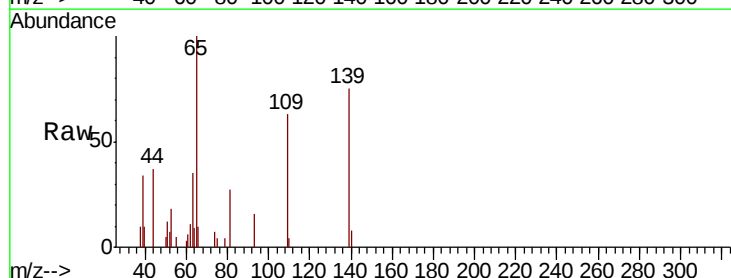
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#56
4-Nitrophenol
Concen: 6.404 ng
RT: 14.95 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
139	100		
109	84.0	79.6	119.6
65	133.0	96.9	136.9





#57

2,4-Dinitrotoluene

Concen: 7.237 ng

RT: 15.10 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

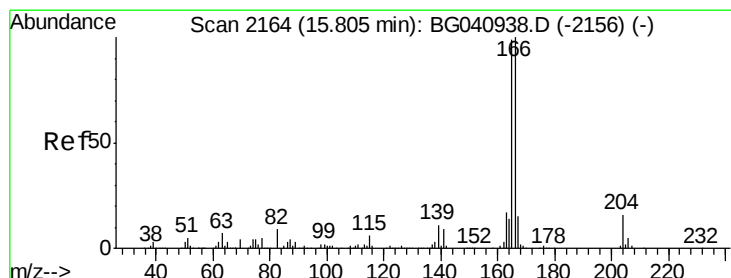
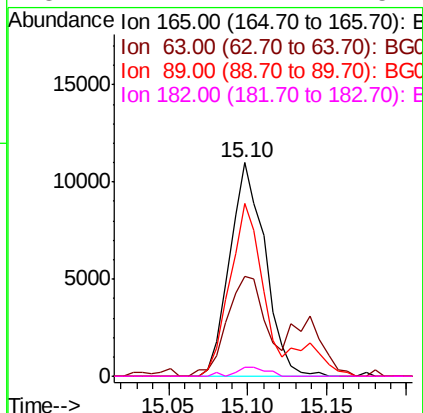
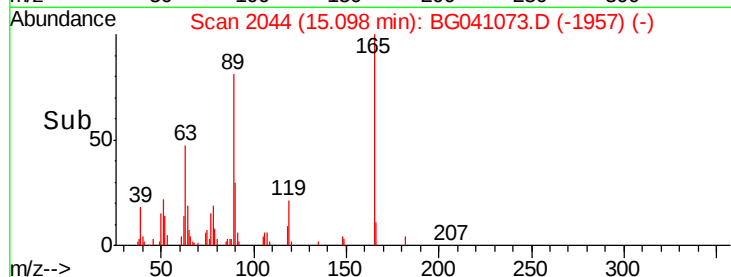
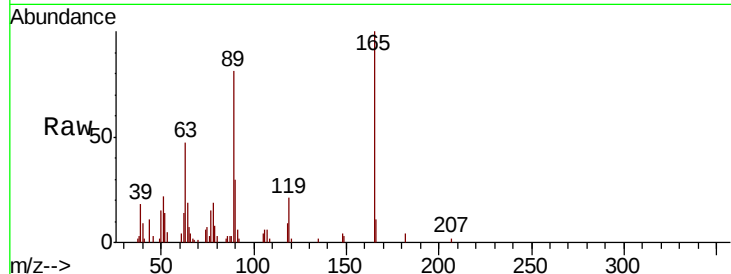
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	165	Resp:	17048
Ion Ratio	Lower	Upper	
165	100		
63	46.6	37.3	55.9
89	80.7	61.0	91.6
182	4.1	2.2	3.2#

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#58

Fluorene

Concen: 7.465 ng

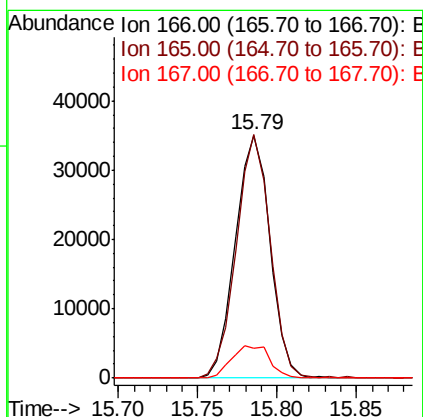
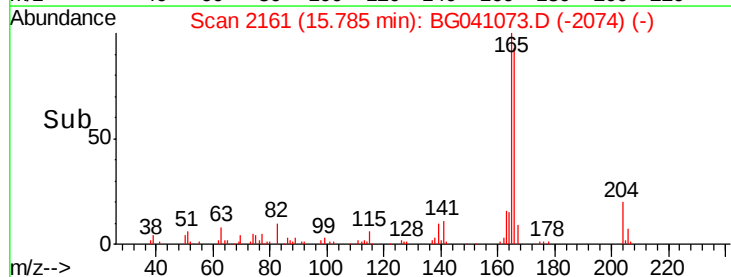
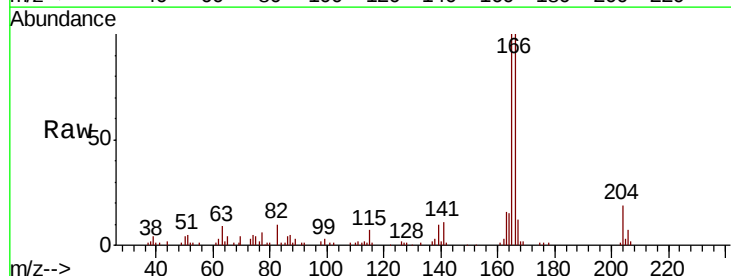
RT: 15.79 min Scan# 2161

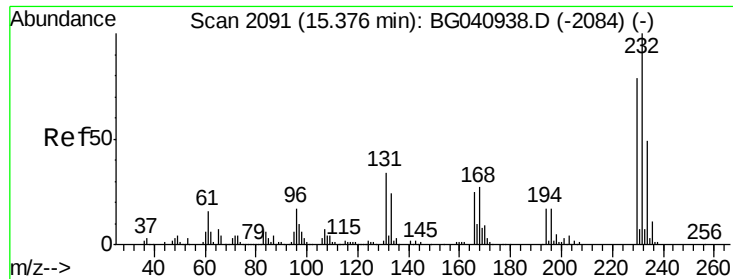
Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:	166	Resp:	52955
Ion Ratio	Lower	Upper	
166	100		
165	100.5	79.2	118.8
167	12.5	11.8	17.6





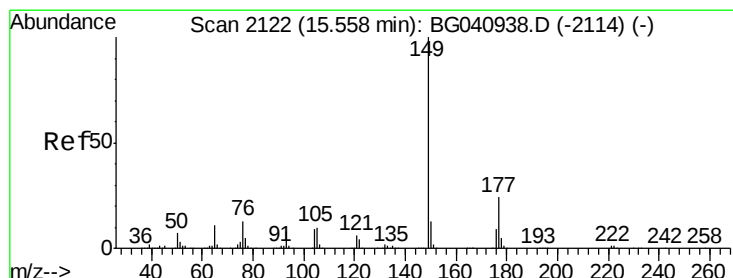
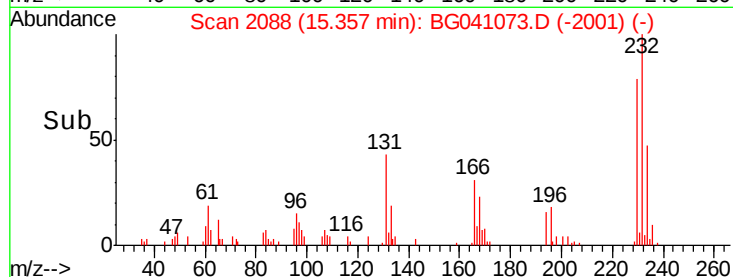
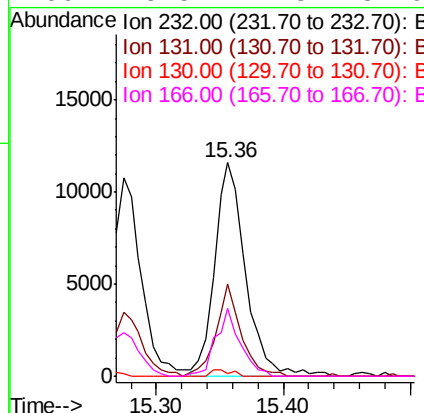
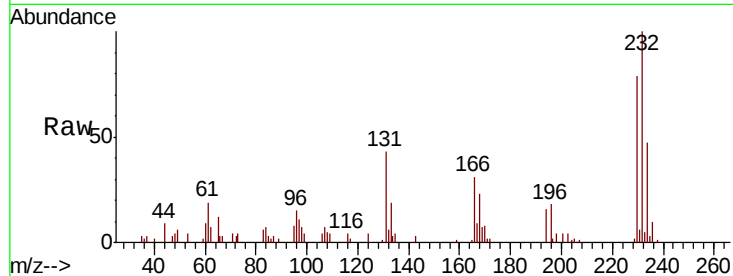
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.958 ng
 RT: 15.36 min Scan# 2088
 Delta R.T. -0.02 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	232	Resp:	19650
Ion Ratio		Lower	Upper
232	100		
131	35.0	30.3	45.5
130	2.0	1.8	2.8
166	25.5	21.3	31.9

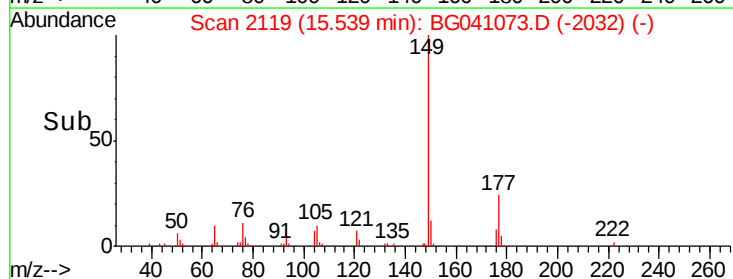
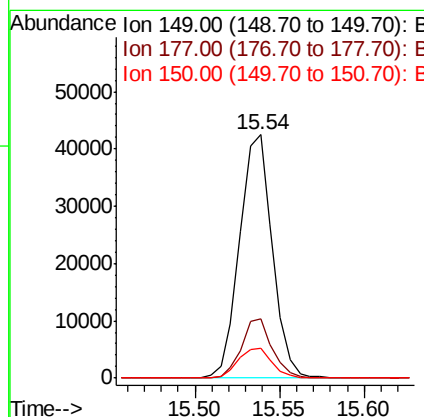
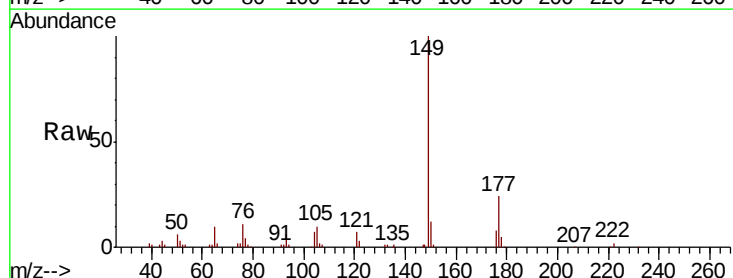
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#60
 Diethylphthalate
 Concen: 7.245 ng
 RT: 15.54 min Scan# 2119
 Delta R.T. -0.02 min
 Lab File: BG041073.D
 Acq: 5 Jun 2019 15:42

Tgt Ion:	149	Resp:	57181
Ion Ratio		Lower	Upper
149	100		
177	24.3	19.4	29.0
150	12.1	10.3	15.5





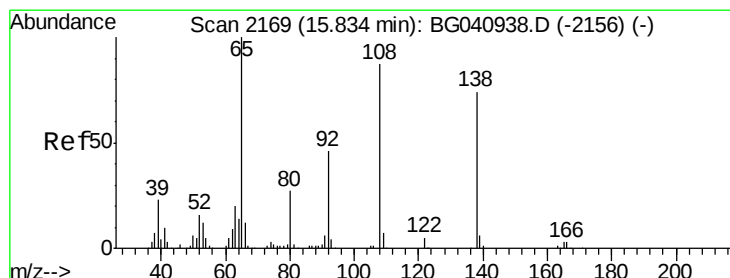
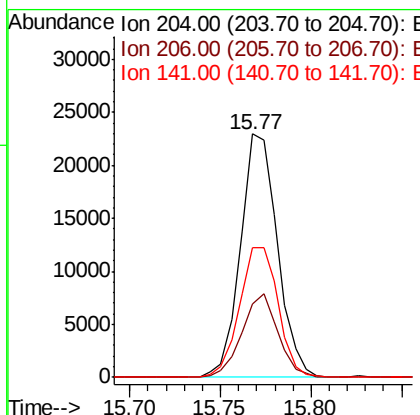
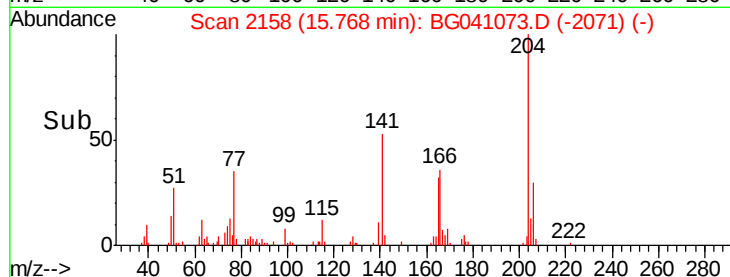
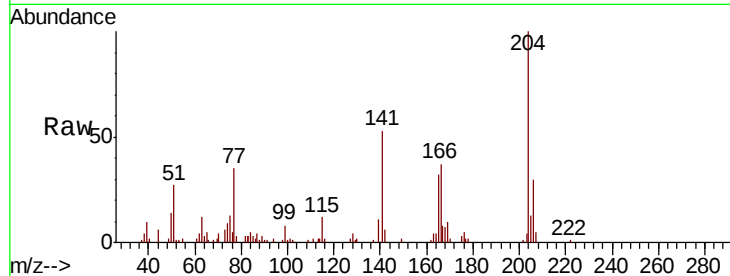
#61
4-Chlorophenyl-phenylether
Concen: 7.047 ng
RT: 15.77 min Scan# 2158
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
204	100		
206	30.3	27.6	41.4
141	53.4	45.1	67.7

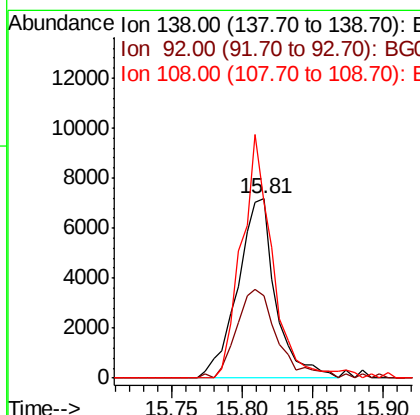
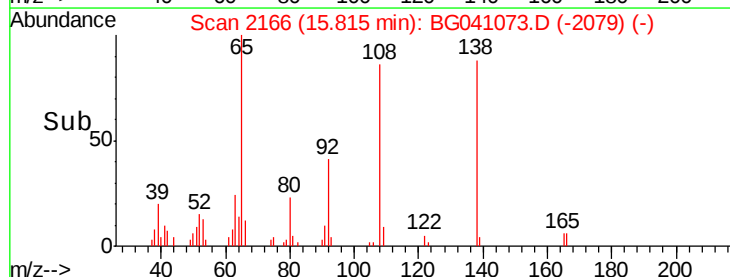
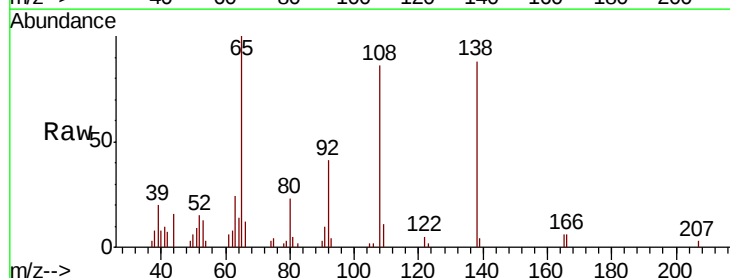
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#62
4-Nitroaniline
Concen: 7.634 ng
RT: 15.81 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.2	42.4	82.4
108	97.6	96.9	136.9





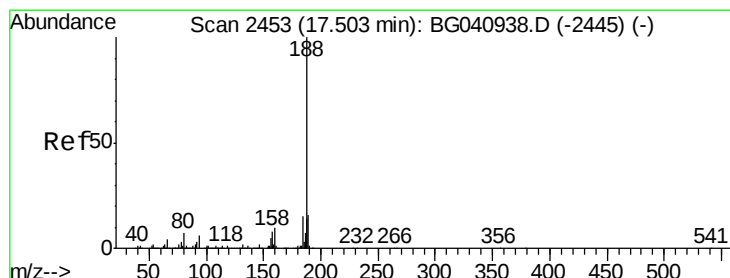
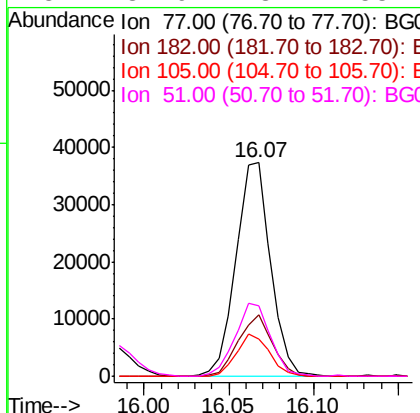
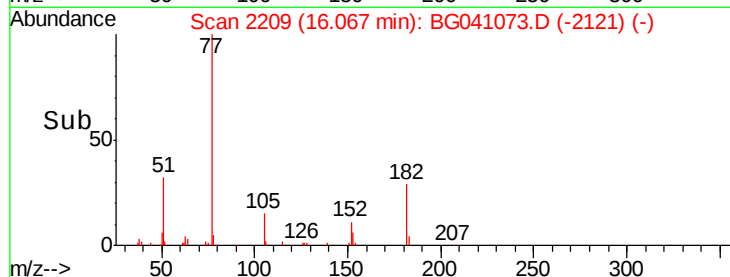
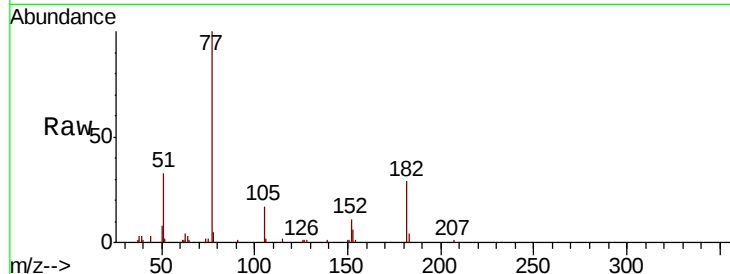
#63
Azobenzene
Concen: 7.422 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
77	100		
182	28.8	9.6	49.6
105	17.2	0.0	37.5
51	32.9	13.7	53.7

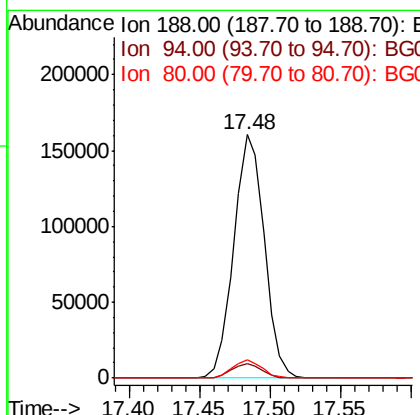
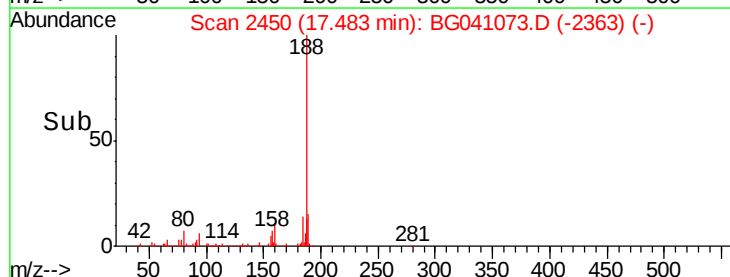
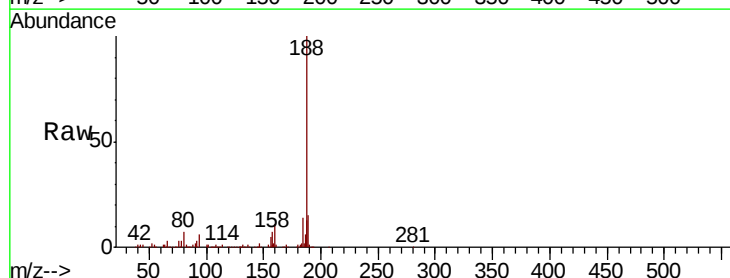
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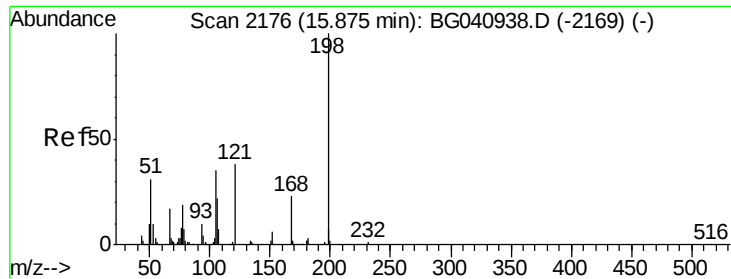
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2450
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	4.7	7.1
80	7.3	5.8	8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 12.460 ng

RT: 15.86 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

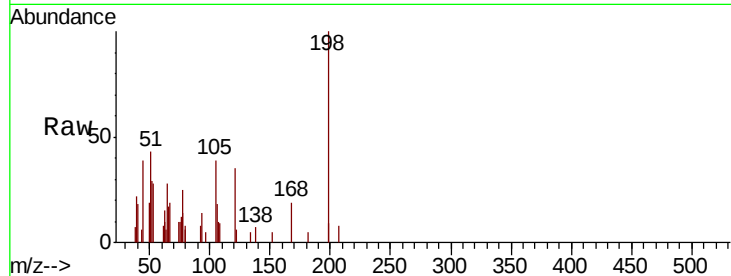
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

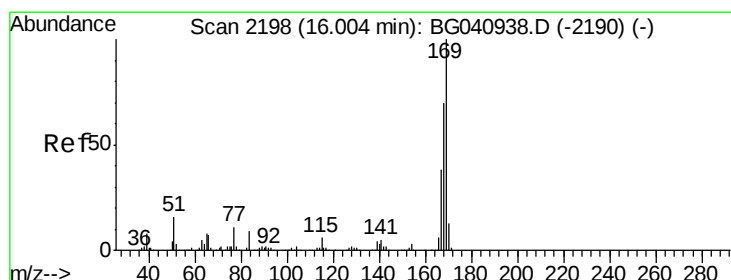
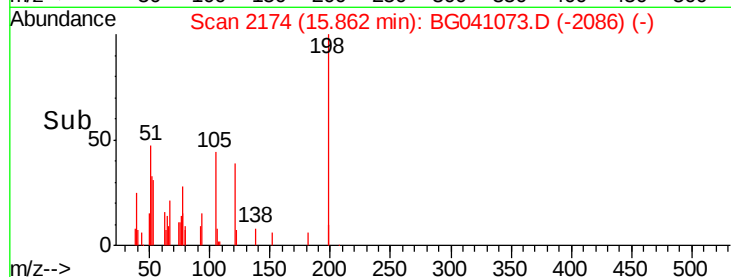
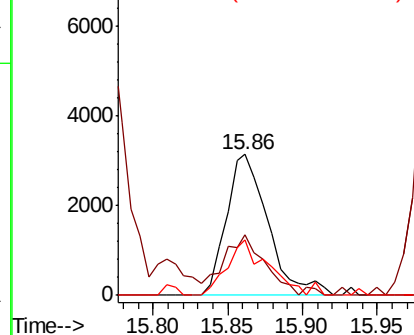
Tot Ion:	198	Resp:	6121
Ion Ratio	Lower	Upper	
198	100		
51	42.5	21.6	61.6
105	39.4	17.5	57.5

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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: 7.290 ng

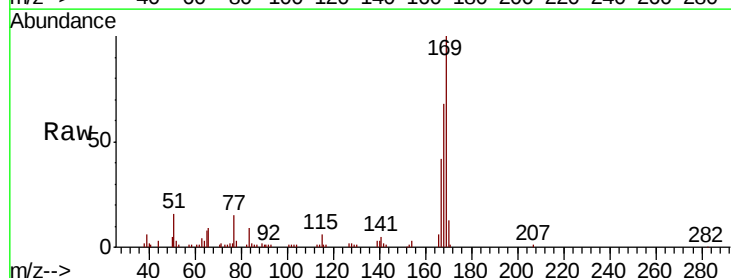
RT: 15.99 min Scan# 2195

Delta R.T. -0.02 min

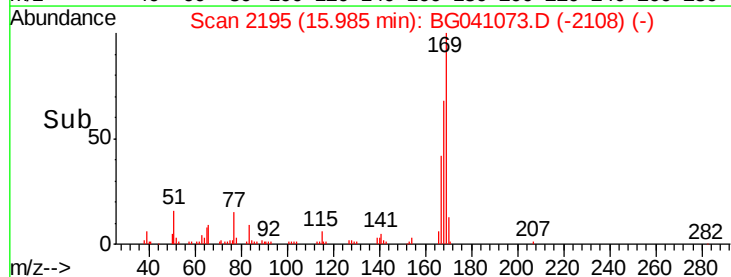
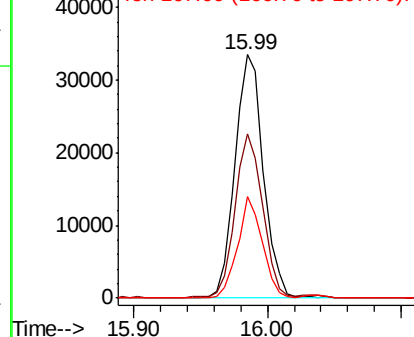
Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:	169	Resp:	49654
Ion Ratio	Lower	Upper	
169	100		
168	67.6	55.7	83.5
167	41.6	30.2	45.2



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





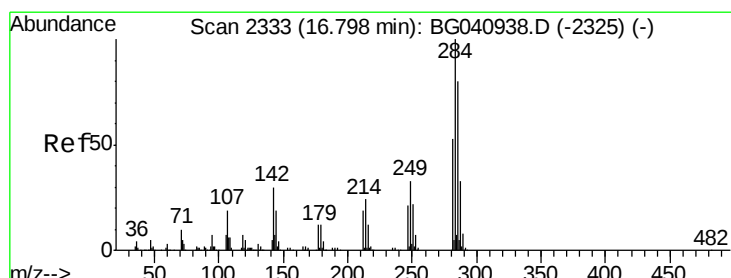
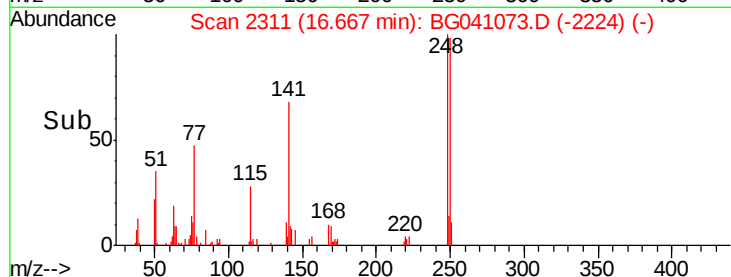
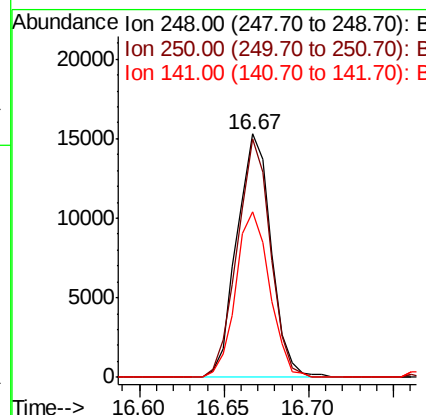
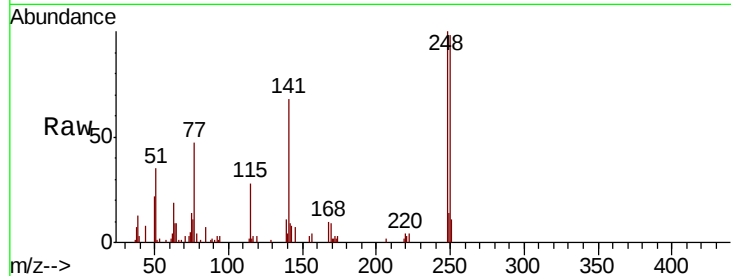
#67
4-Bromophenyl-phenylether
Concen: 6.614 ng
RT: 16.67 min Scan# 2311
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.9	75.0	112.4
141	68.2	52.4	78.6

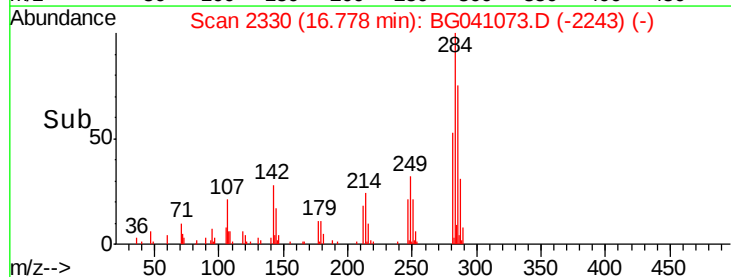
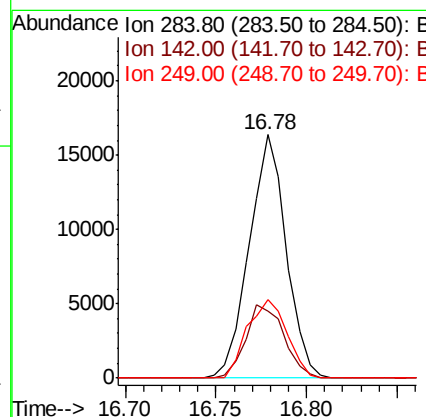
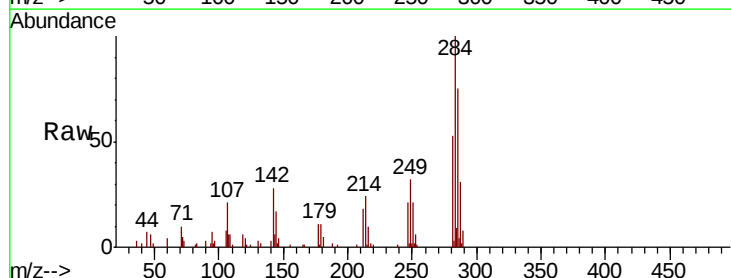
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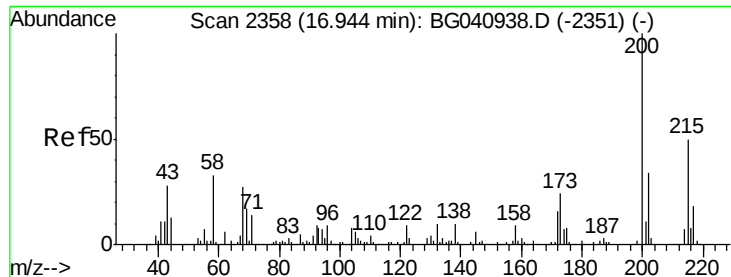
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#68
Hexachlorobenzene
Concen: 6.647 ng
RT: 16.78 min Scan# 2330
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.6	23.9	35.9
249	32.2	26.8	40.2





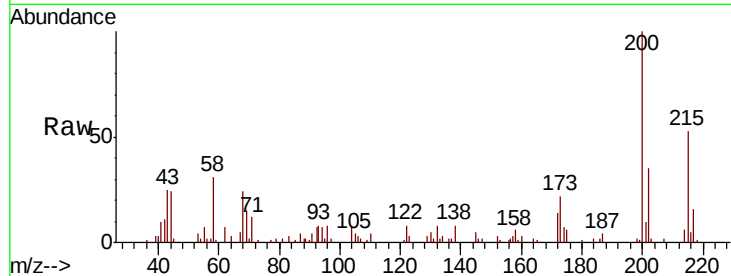
#69
Atrazine
Concen: 8.080 ng
RT: 16.93 min Scan# 2355
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
200	100		
173	22.2	3.6	43.6
215	52.6	29.6	69.6

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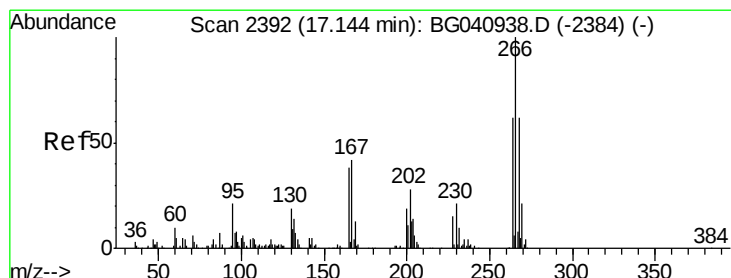
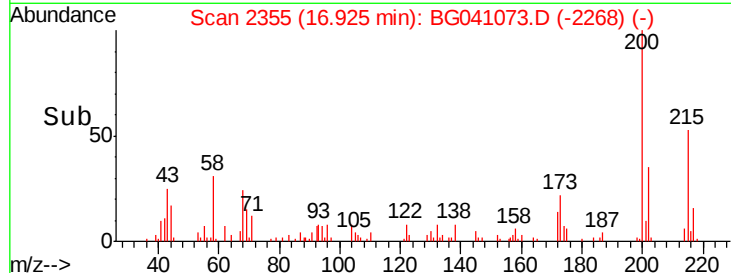
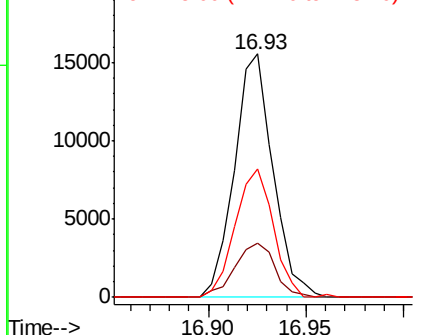


Abundance

Ion 200.00 (199.70 to 200.70): E

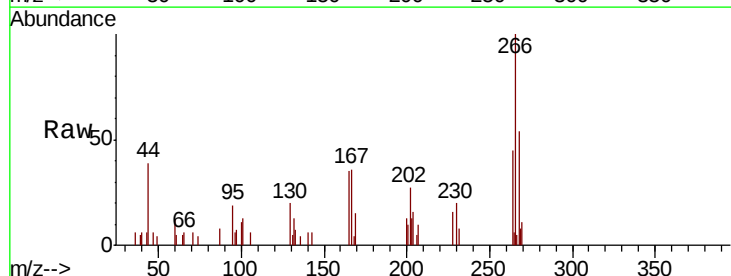
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 7.992 ng
RT: 17.13 min Scan# 2389
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
266	100		
268	53.6	53.1	79.7
264	45.3	49.9	74.9

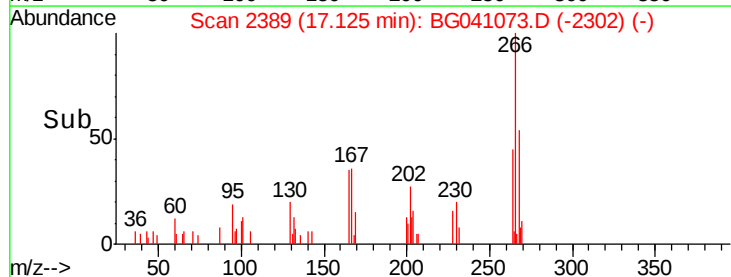
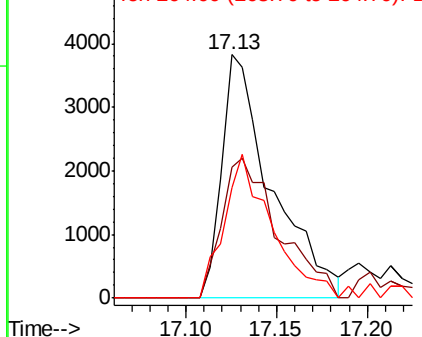


Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





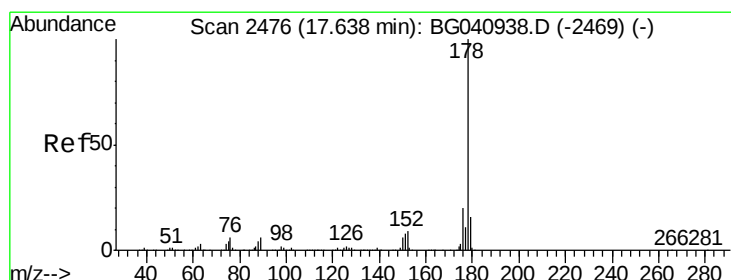
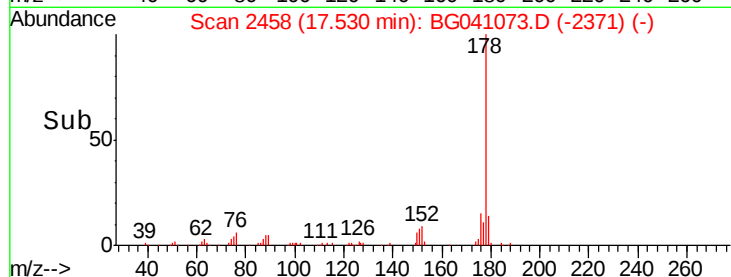
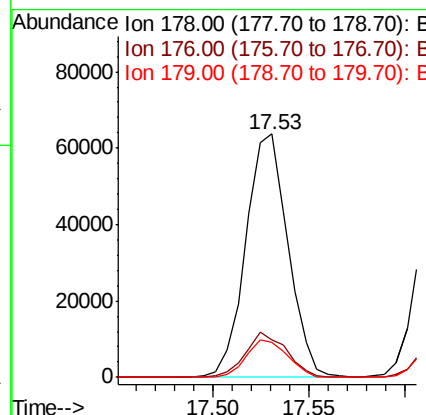
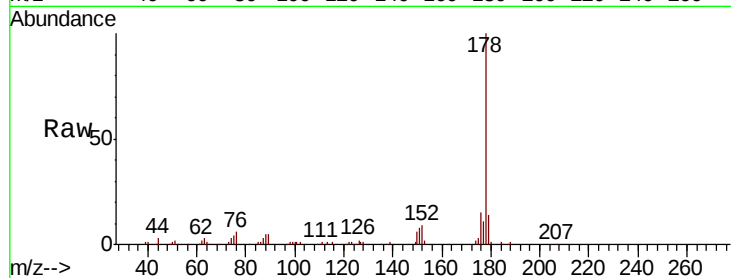
#71
Phenanthrene
Concen: 7.662 ng m
RT: 17.53 min Scan# 2458
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
178	100		
176	15.4	15.5	23.3#
179	14.3	12.7	19.1

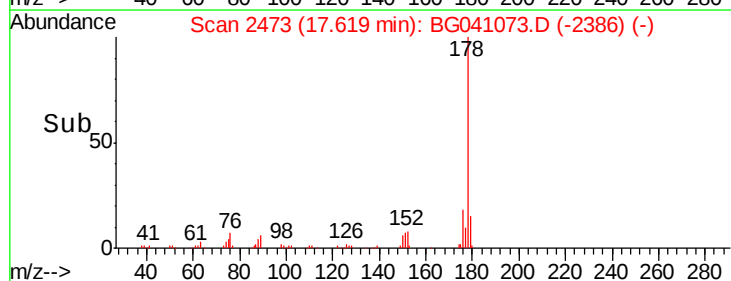
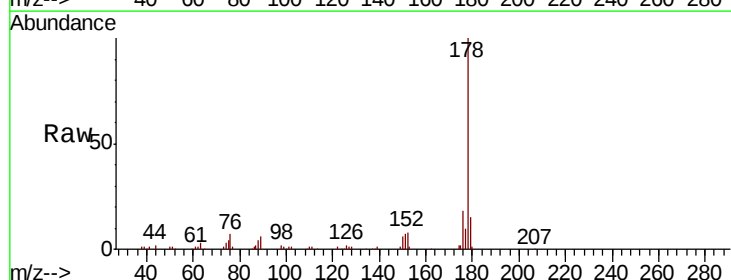
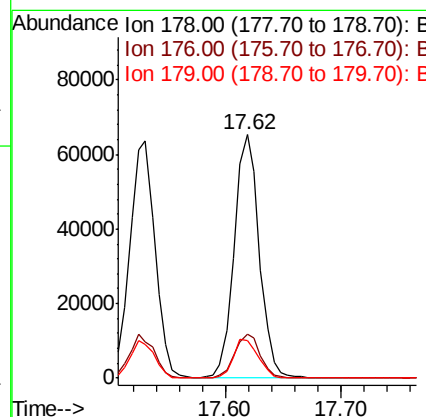
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#72
Anthracene
Concen: 7.896 ng
RT: 17.62 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.6	23.4
179	15.4	13.0	19.4





#73

Carbazole

Concen: 8.242 ng

RT: 17.89 min Scan# 2519

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

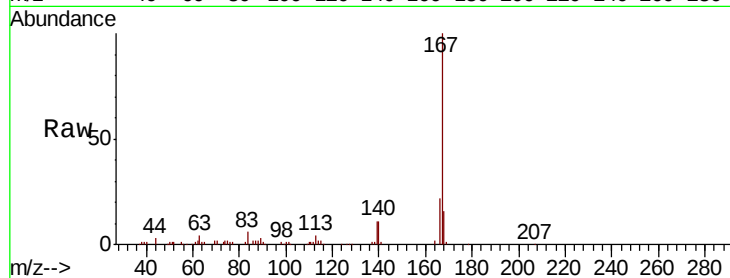
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

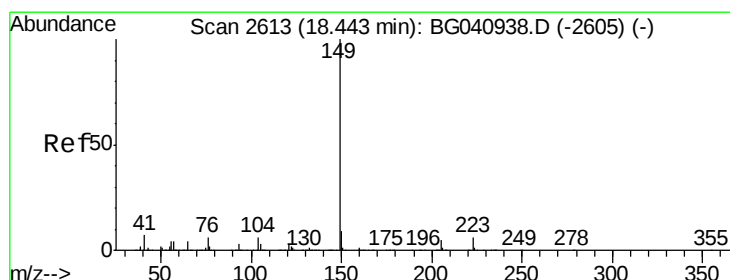
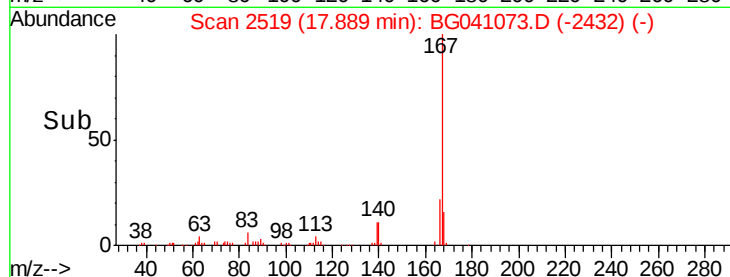
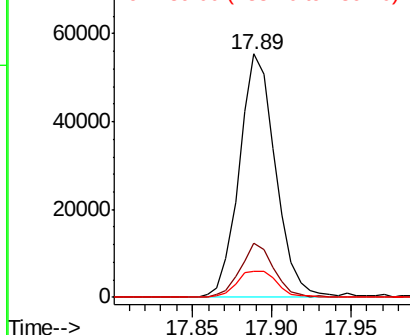
Tot Ion:	167	Resp:	88026
Ion Ratio	Lower	Upper	
167	100		
166	22.3	18.2	27.4
139	10.7	10.8	16.2

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 7.256 ng

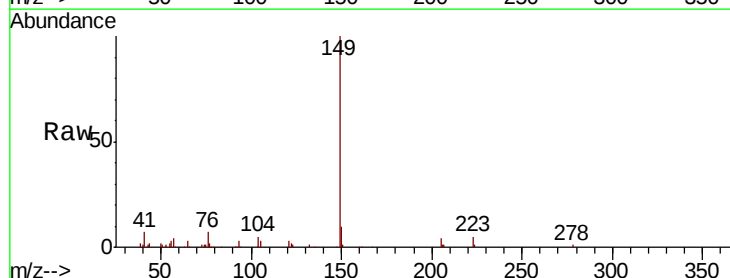
RT: 18.42 min Scan# 2610

Delta R.T. -0.02 min

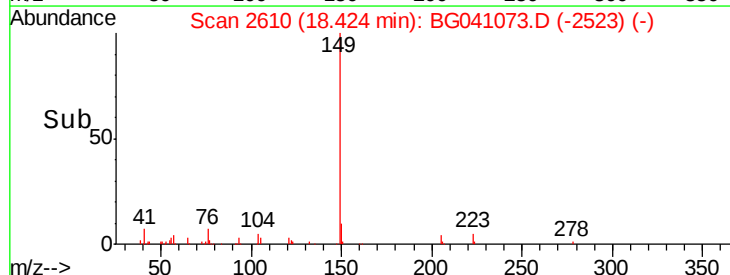
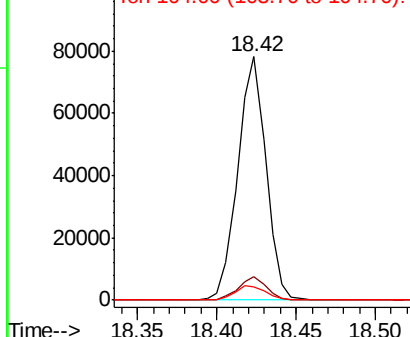
Lab File: BG041073.D

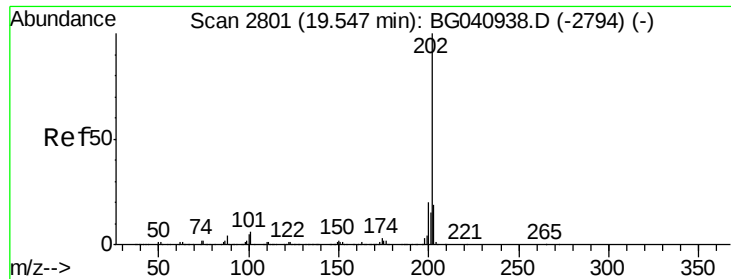
Acq: 5 Jun 2019 15:42

Tgt Ion:	149	Resp:	96318
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.4	11.2
104	5.4	5.0	7.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 8.518 ng

RT: 19.53 min Scan# 2798

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

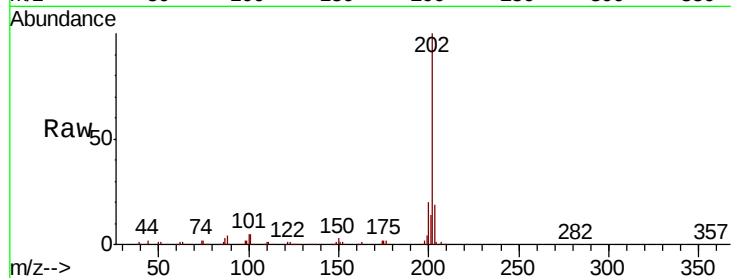
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		132784		
101	5.2	0.0	26.2		
203	19.2	0.0	38.7		

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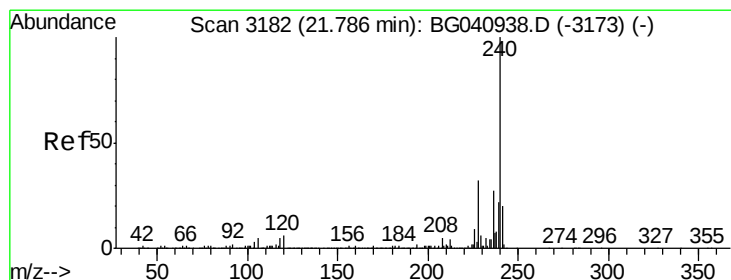
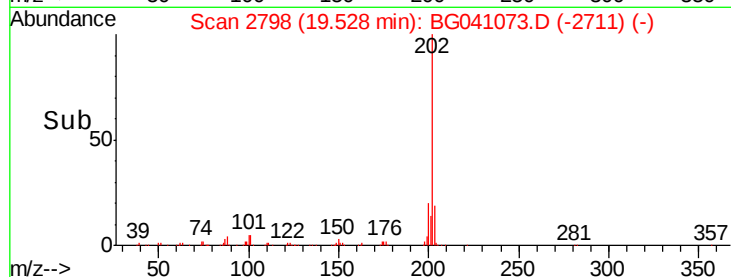
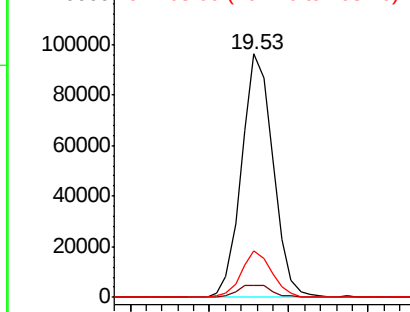


Abundance

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

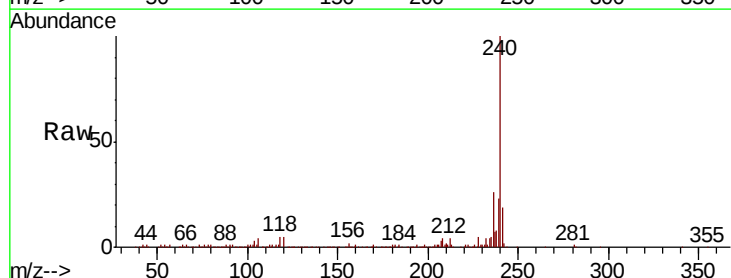
RT: 21.77 min Scan# 3179

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		281558		
120	5.4	4.5	6.7		
236	26.4	21.3	31.9		

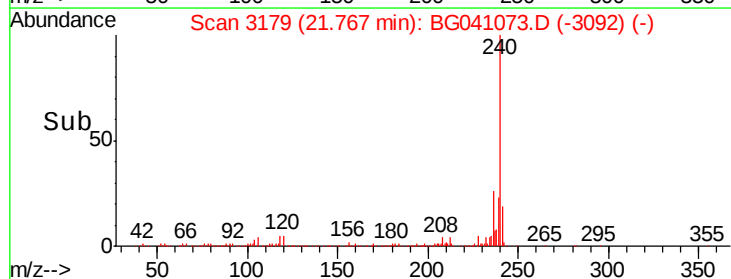
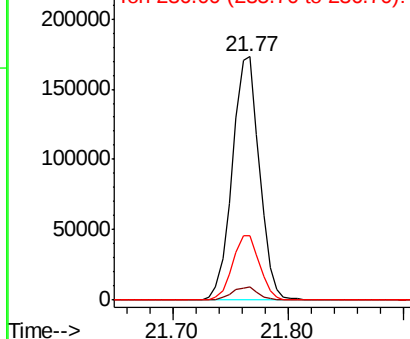


Abundance

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: 8.920 ng

RT: 19.72 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

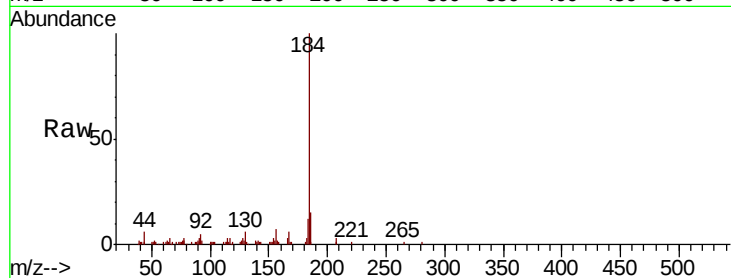
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

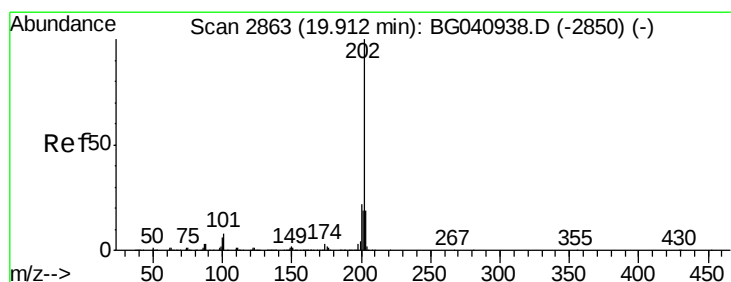
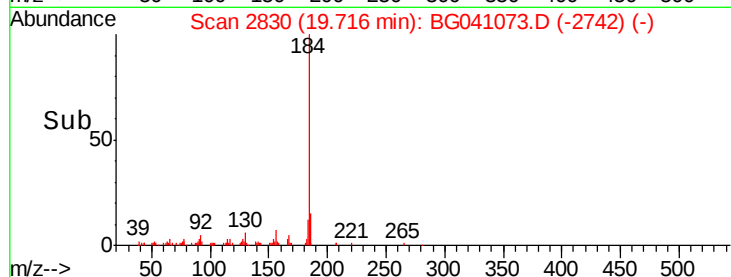
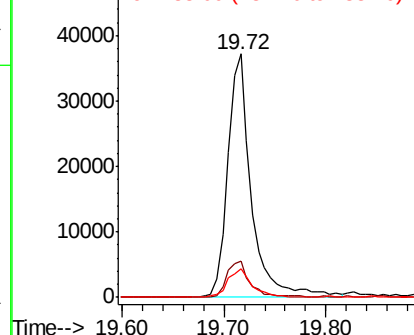
Tot Ion:	184	Resp:	59911
Ion Ratio	Lower	Upper	
184	100		
185	14.6	13.3	19.9
183	11.6	10.7	16.1

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 7.601 ng m

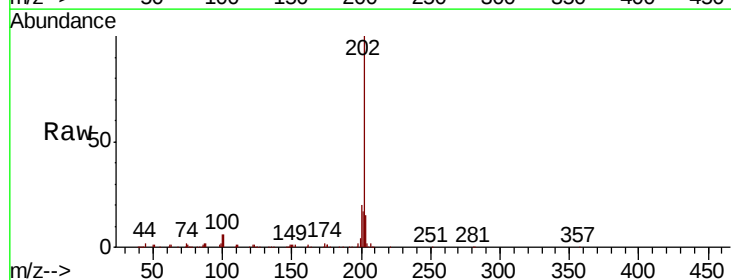
RT: 19.89 min Scan# 2860

Delta R.T. -0.02 min

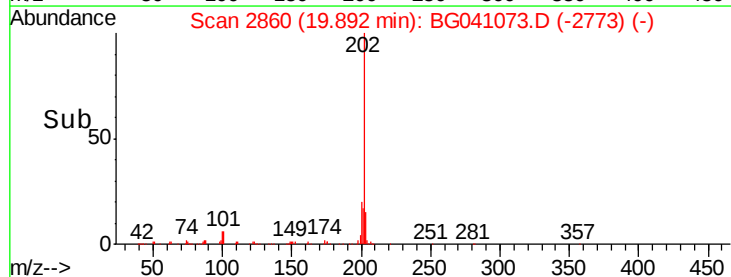
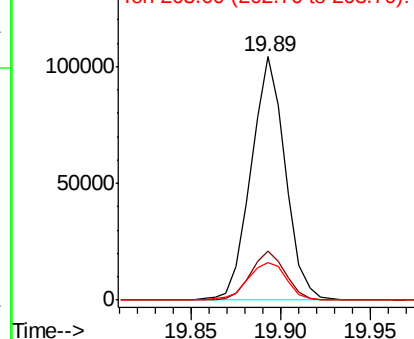
Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:	202	Resp:	139128
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.5	26.3
203	15.3	15.6	23.4#



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





#79

Terphenyl-d14

Concen: 76.577 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:244 Resp: 1015904

Ion Ratio Lower Upper

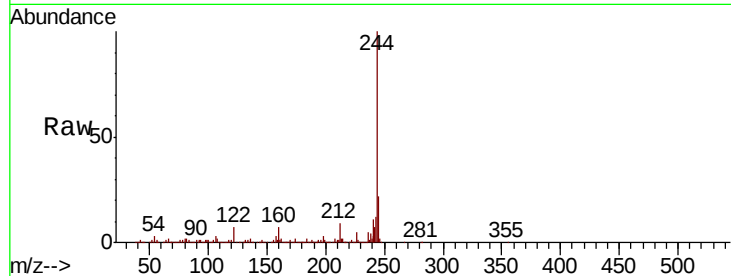
244 100

212 8.6 7.0 10.4

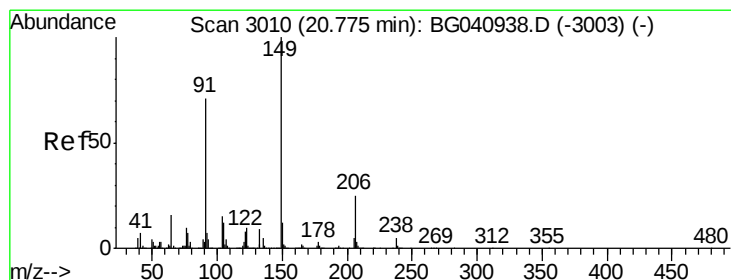
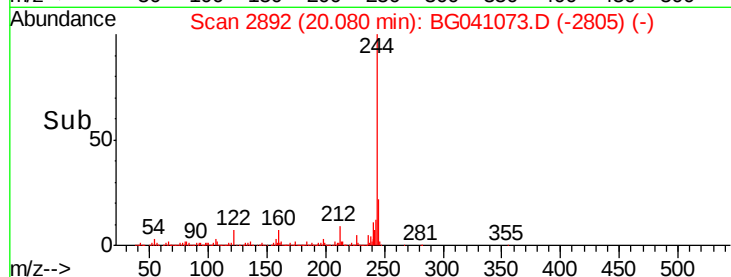
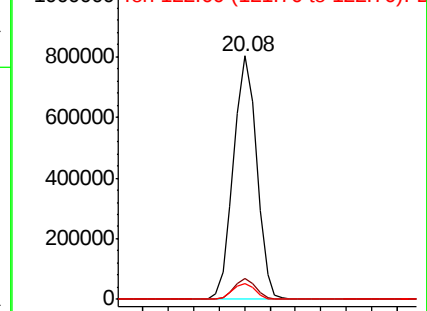
122 6.5 5.4 8.0

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 6.936 ng

RT: 20.76 min Scan# 3007

Delta R.T. -0.02 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

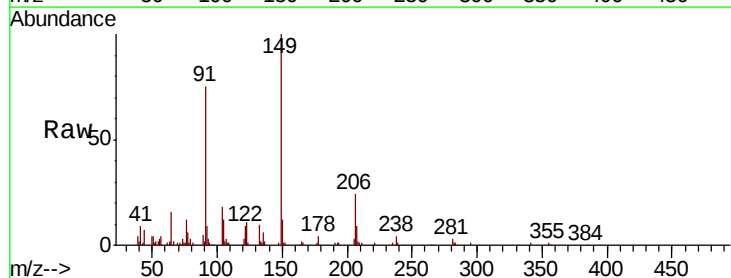
Tgt Ion:149 Resp: 49403

Ion Ratio Lower Upper

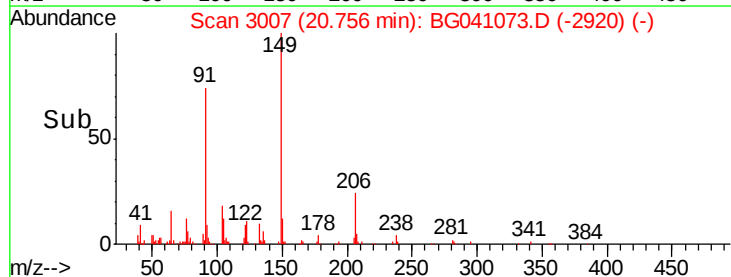
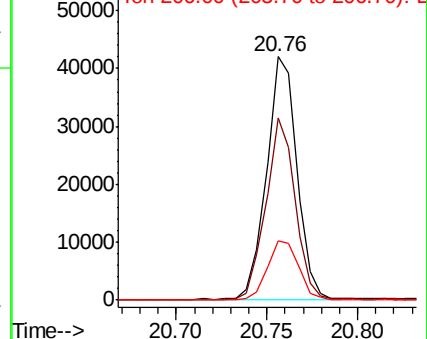
149 100

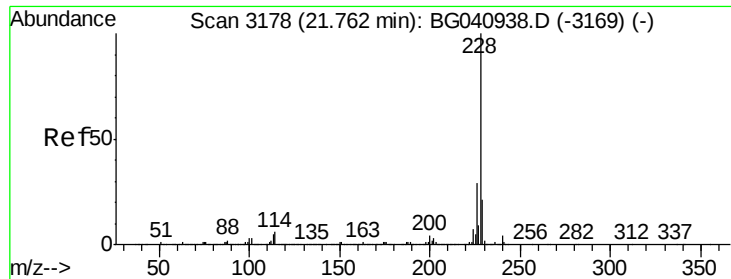
91 74.6 56.5 84.7

206 24.2 20.3 30.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E





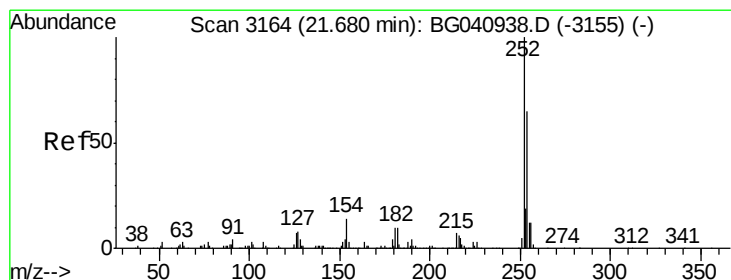
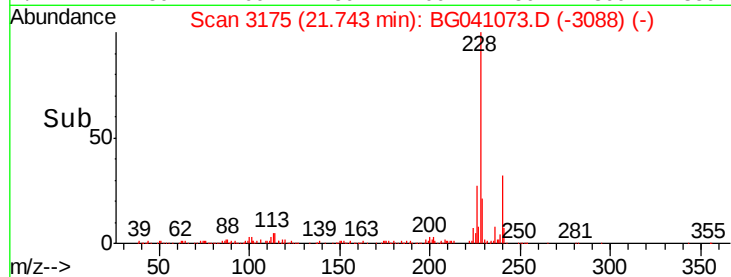
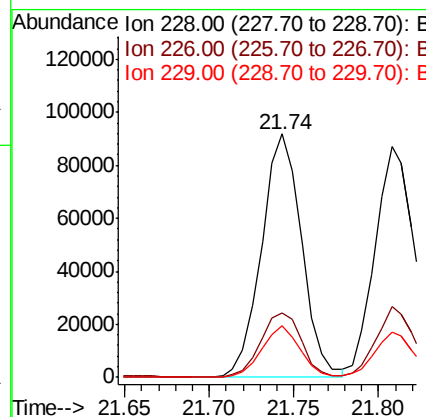
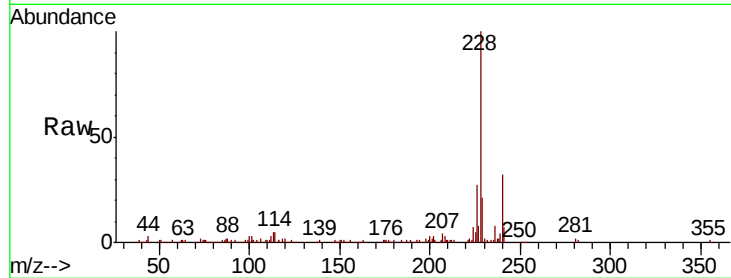
#81
Benzo(a)anthracene
Concen: 8.089 ng
RT: 21.74 min Scan# 3175
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	228	Resp:	151600
Ion Ratio	Lower	Upper	
228	100		
226	26.6	23.5	35.3
229	21.2	16.7	25.1

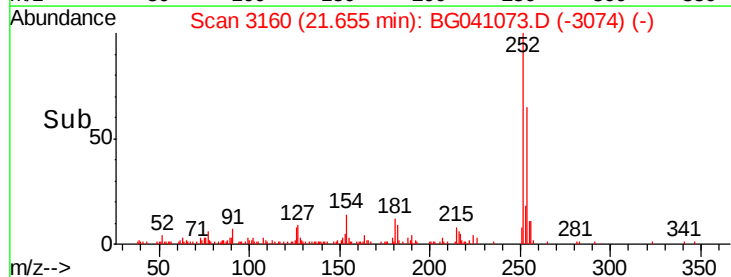
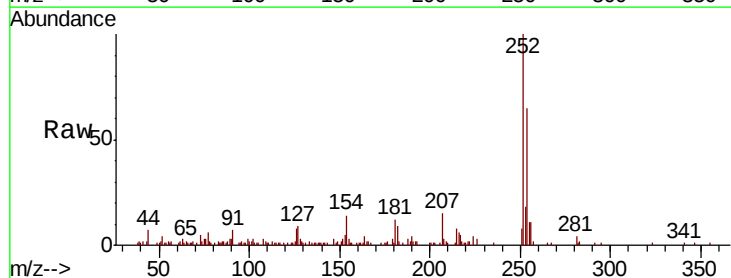
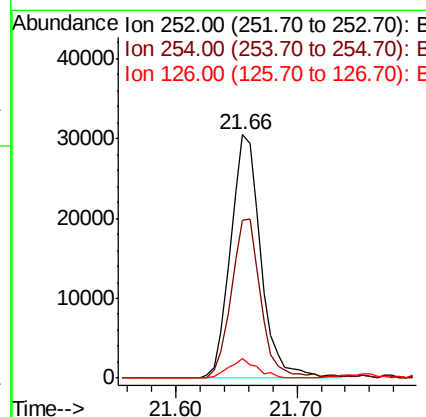
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#82
3,3'-Dichlorobenzidine
Concen: 8.083 ng
RT: 21.66 min Scan# 3160
Delta R.T. -0.03 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion:	252	Resp:	53282
Ion Ratio	Lower	Upper	
252	100		
254	65.1	52.1	78.1
126	8.1	5.5	8.3





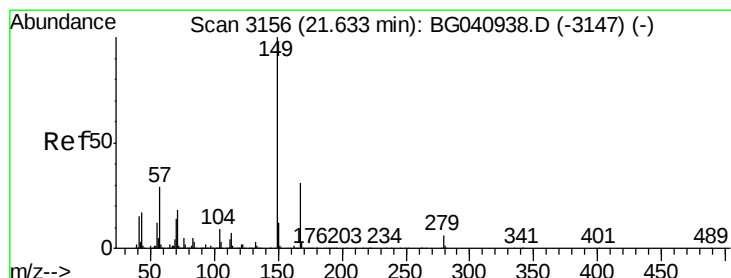
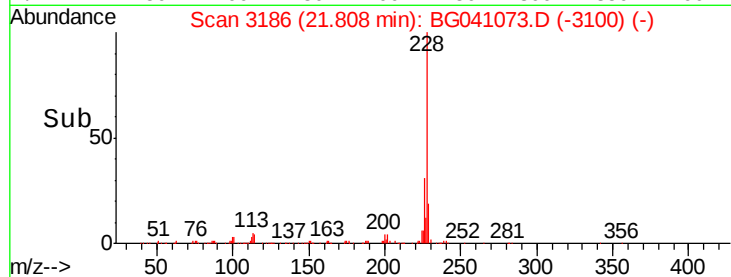
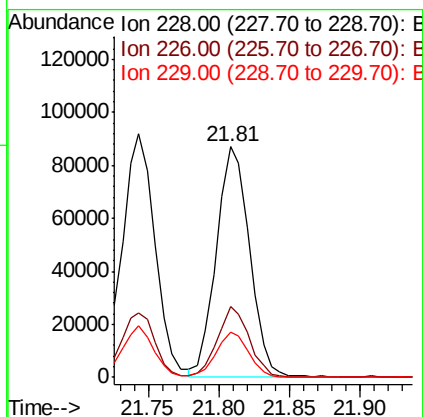
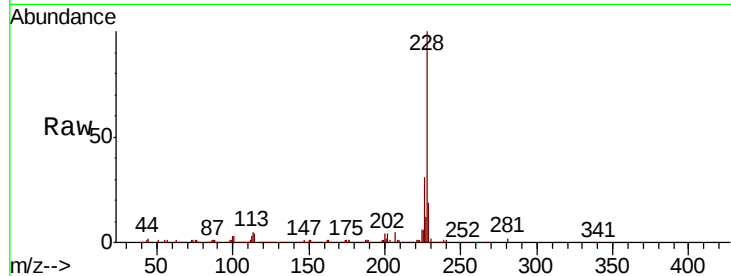
#83
Chrysene
Concen: 7.918 ng
RT: 21.81 min Scan# 3186
Delta R.T. -0.03 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	228	Resp:	142012
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.6	37.0
229	19.5	16.6	24.8

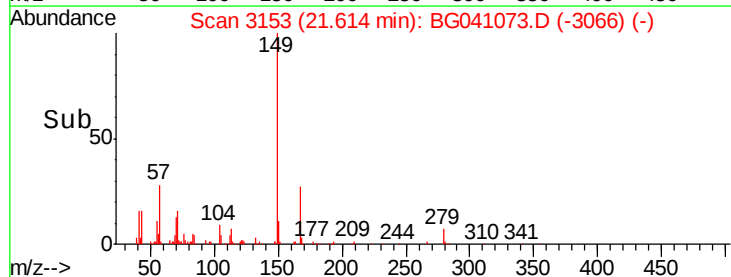
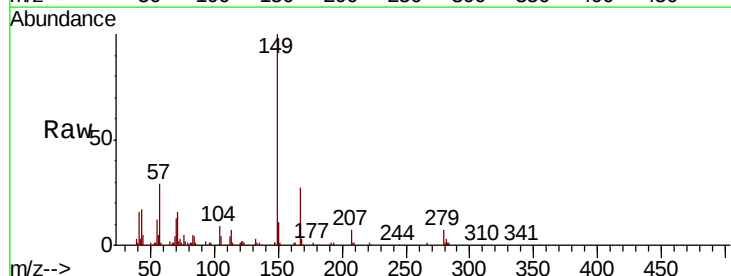
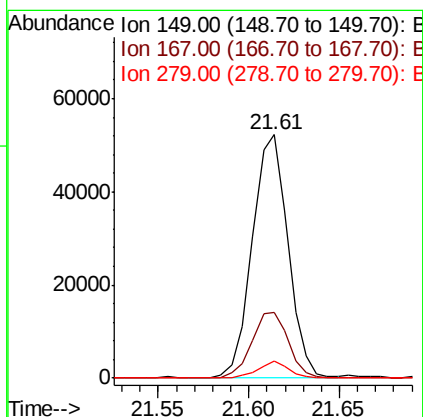
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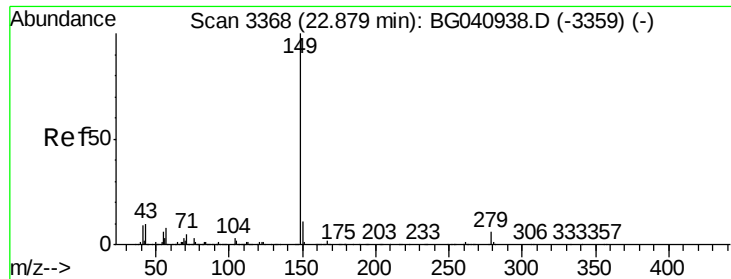
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#84
Bis(2-ethylhexyl)phthalate
Concen: 7.069 ng
RT: 21.61 min Scan# 3153
Delta R.T. -0.02 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion:	149	Resp:	70884
Ion Ratio	Lower	Upper	
149	100		
167	26.7	24.6	37.0
279	7.1	5.0	7.6





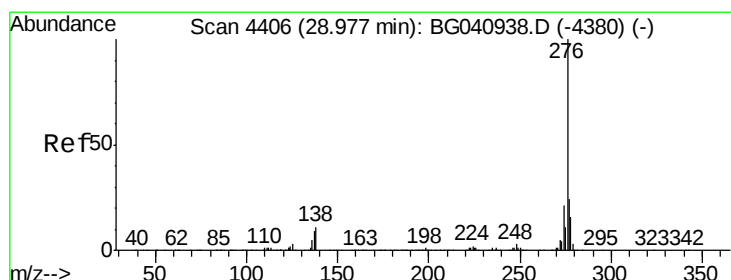
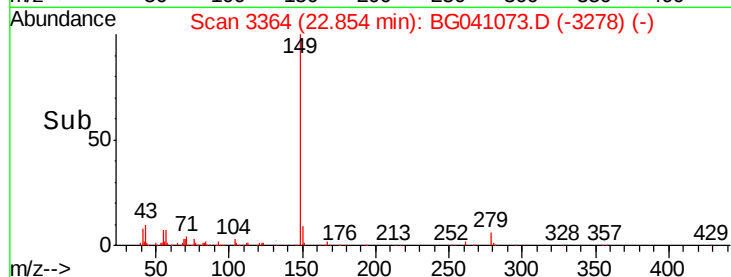
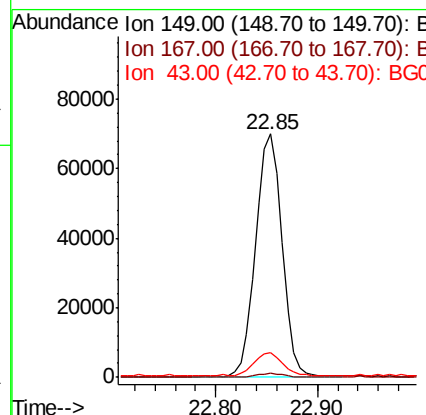
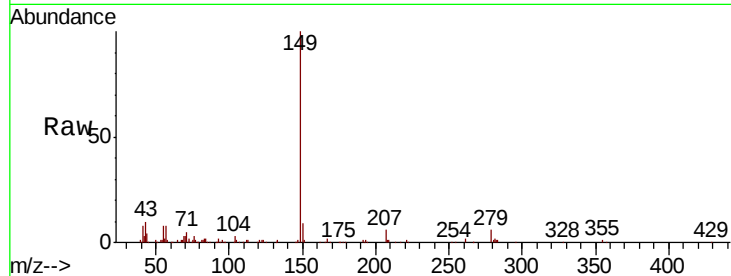
#85
Di-n-octyl phthalate
Concen: 7.668 ng
RT: 22.85 min Scan# 3364
Delta R.T. -0.03 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
149	100	128049		
167	1.8		1.4	2.0
43	11.0		8.1	12.1

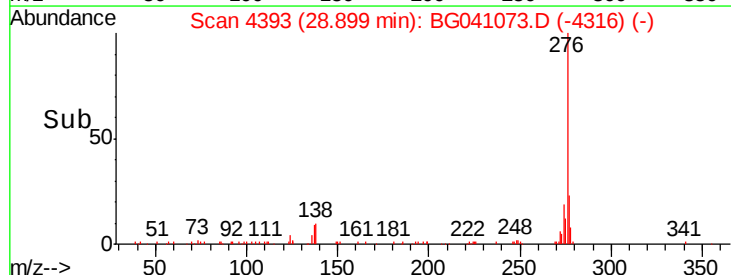
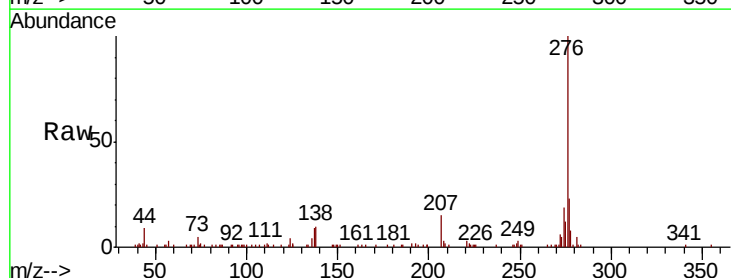
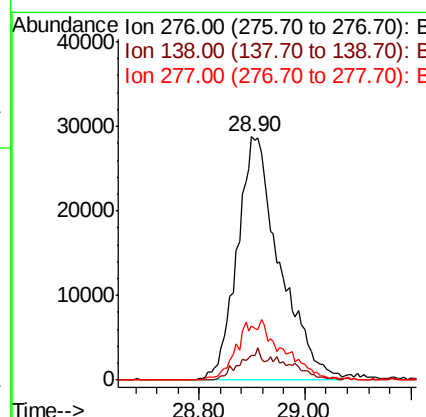
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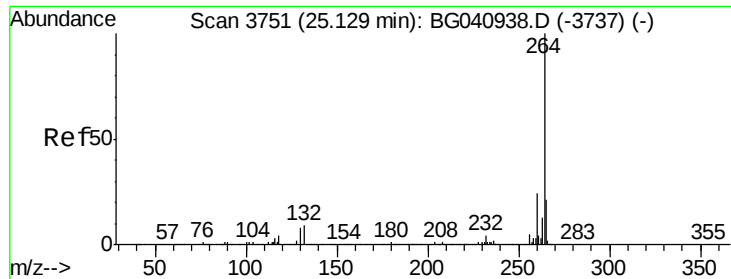
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.312 ng
RT: 28.90 min Scan# 4393
Delta R.T. -0.08 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	160644		
138	6.6		5.7	8.5
277	0.0		20.8	31.2#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3745

Delta R.T. -0.04 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

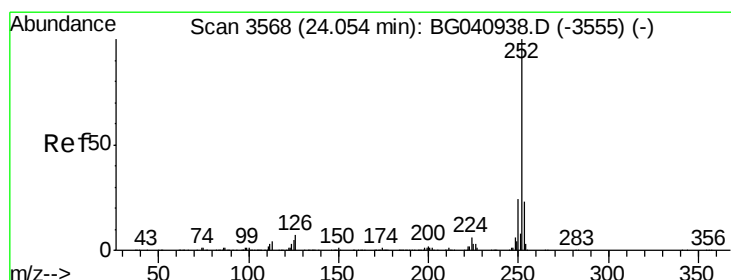
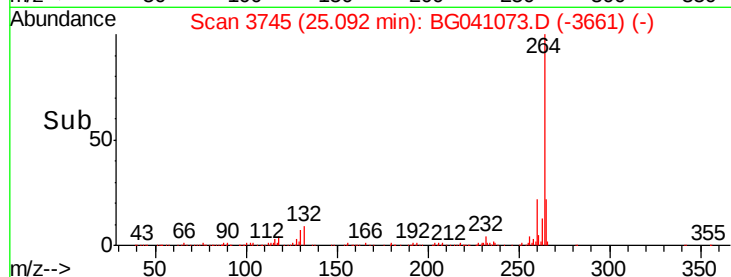
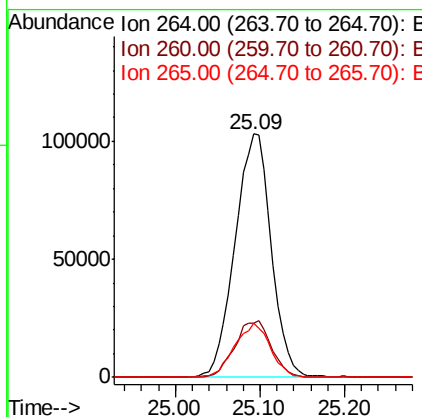
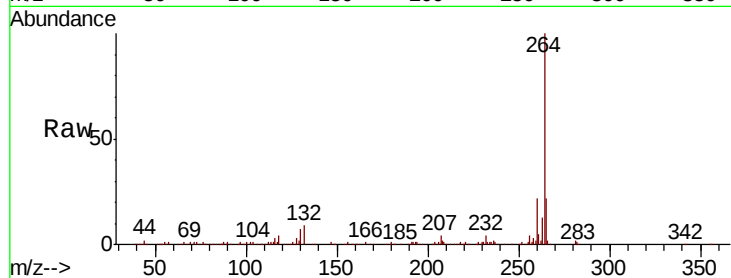
ClientSampleId :

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Tot Ion:	264	Resp:	306242
Ion Ratio		Lower	Upper
264	100		
260	22.4	19.0	28.4
265	22.3	17.0	25.4

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#88

Benzo(b)fluoranthene

Concen: 7.578 ng

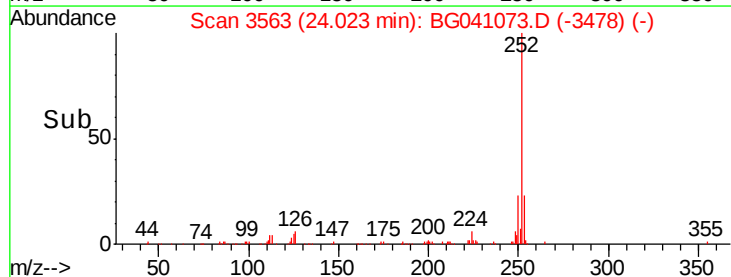
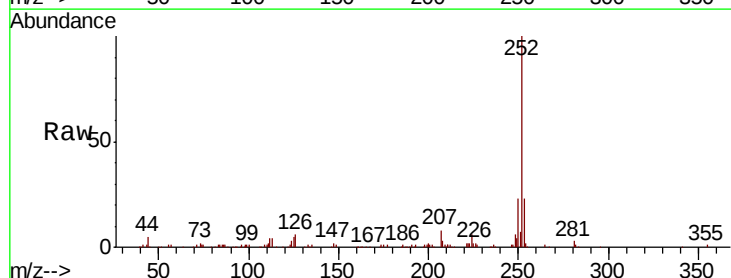
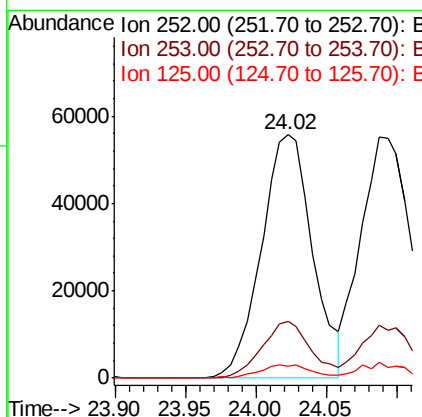
RT: 24.02 min Scan# 3563

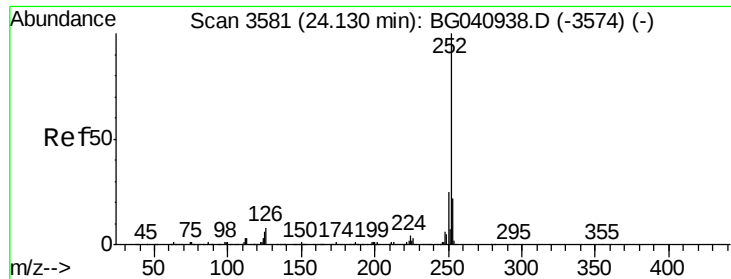
Delta R.T. -0.03 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:	252	Resp:	140755
Ion Ratio		Lower	Upper
252	100		
253	23.5	18.4	27.6
125	5.0	4.3	6.5





#89

Benzo(k)fluoranthene

Concen: 7.446 ng

RT: 24.09 min Scan# 3574

Delta R.T. -0.04 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Instrument :

BNA_G

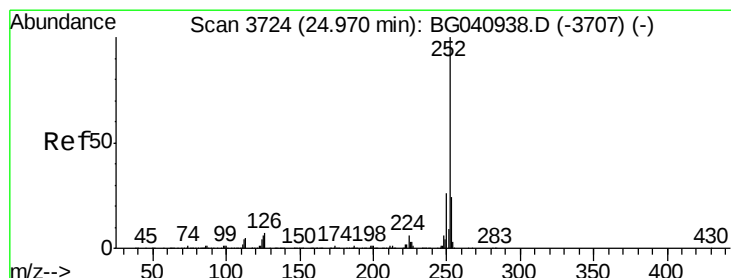
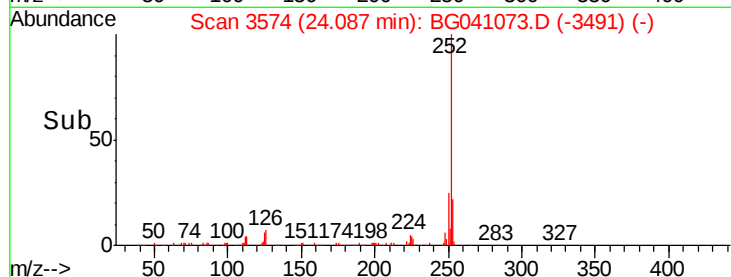
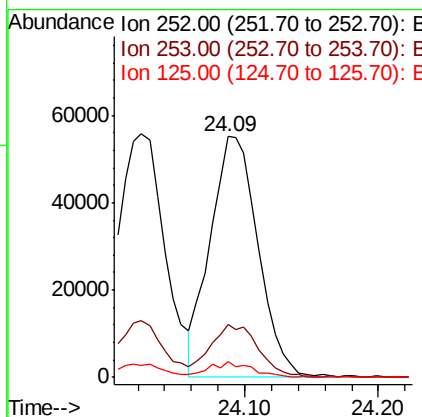
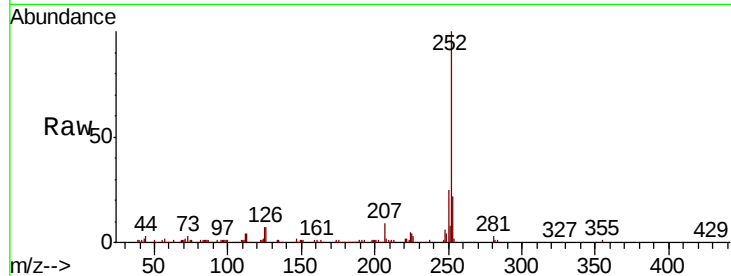
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	252	Resp:	136872
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.8	26.6
125	6.8	4.7	7.1

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#90

Benzo(a)pyrene

Concen: 7.573 ng

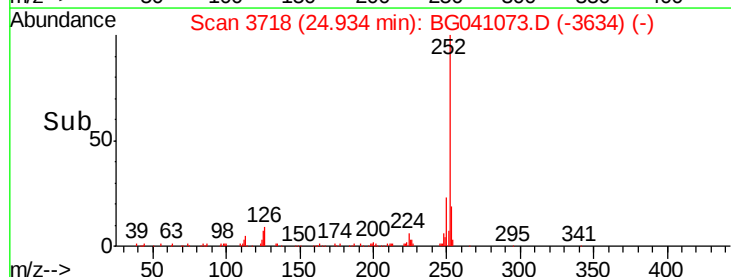
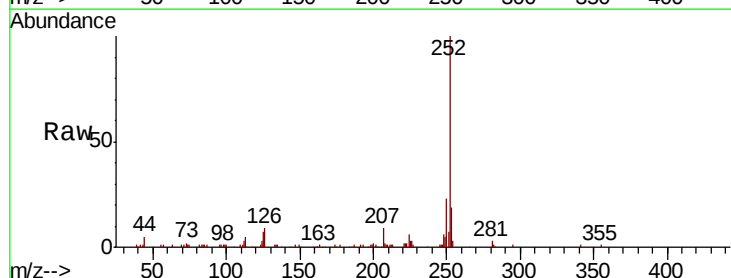
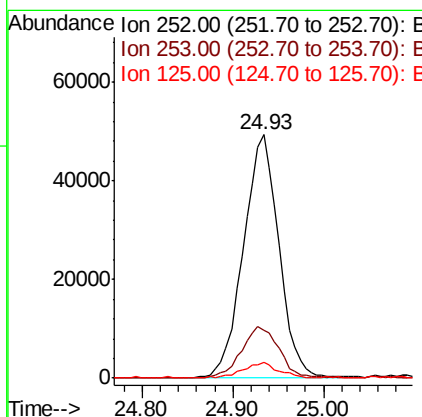
RT: 24.93 min Scan# 3718

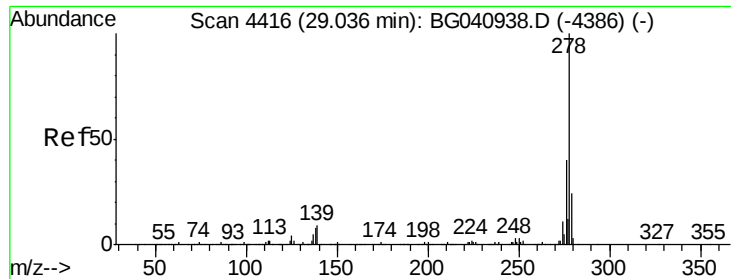
Delta R.T. -0.04 min

Lab File: BG041073.D

Acq: 5 Jun 2019 15:42

Tgt Ion:	252	Resp:	134205
Ion Ratio	Lower	Upper	
252	100		
253	19.4	19.5	29.3#
125	6.6	5.1	7.7





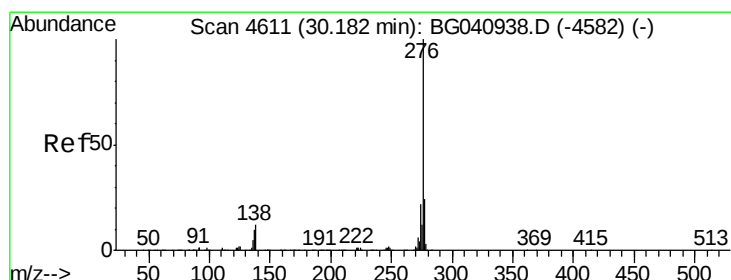
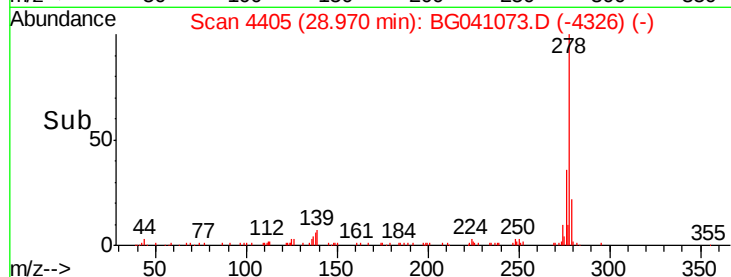
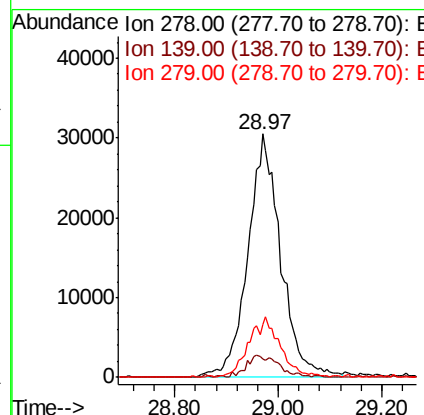
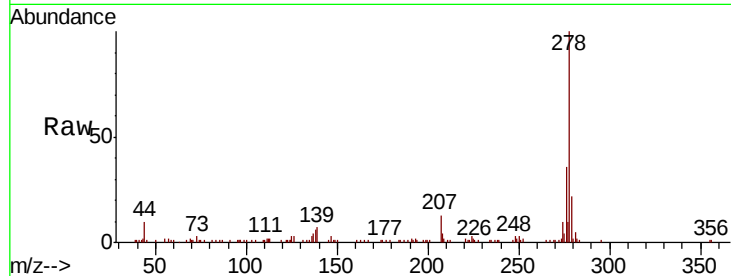
#91
Dibenzo(a,h)anthracene
Concen: 7.595 ng
RT: 28.97 min Scan# 4405
Delta R.T. -0.07 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
278	100		
139	7.4	7.1	10.7
279	21.6	19.4	29.2

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#92
Benzo(g,h,i)perylene
Concen: 7.796 ng
RT: 30.11 min Scan# 4599
Delta R.T. -0.07 min
Lab File: BG041073.D
Acq: 5 Jun 2019 15:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	9.8	9.7	14.5

