

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\
 Data File : BG045990.D
 Acq On : 9 Jul 2020 11:05
 Operator : CG/JU
 Sample : L3216-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Manual Integrations
 APPROVED

mohammad
 7/10/2020 11:47:00 AM

Quant Time: Jul 09 12:08:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	146239	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	605234	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	361512	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	740704	20.00	ng	0.00
76) Chrysene-d12	21.63	240	655647	20.00	ng	0.00
86) Perylene-d12	24.78	264	648550	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	837723	92.90	ng	0.00
7) Phenol-d6	7.17	99	1237452	95.31	ng	0.00
23) Nitrobenzene-d5	9.16	82	880918	83.78	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	313931	93.57	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1705213	73.58	ng	0.00
79) Terphenyl-d14	19.98	244	1751322	59.45	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	33863	8.139	ng	99
3) Pyridine	3.90	79	75288	5.985	ng	93
4) n-Nitrosodimethylamine	3.82	42	31782	7.471	ng	# 98
6) Aniline	7.33	93	119174	7.175	ng	99
8) 2-Chlorophenol	7.57	128	69454	7.155	ng	99
9) Benzaldehyde	7.14	77	81130	9.863	ng	96
10) Phenol	7.19	94	94452	7.252	ng	98
11) bis(2-Chloroethyl)ether	7.42	93	76832	7.134	ng	99
12) 1,3-Dichlorobenzene	7.90	146	80484	7.193	ng	98
13) 1,4-Dichlorobenzene	8.04	146	78802	7.159	ng	98
14) 1,2-Dichlorobenzene	8.36	146	73745	6.961	ng	95
15) Benzyl Alcohol	8.23	79	68314	6.711	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.53	45	99224	7.062	ng	94
17) 2-Methylphenol	8.44	107	62678	6.414	ng	97
18) Hexachloroethane	9.09	117	30173	7.124	ng	94
19) n-Nitroso-di-n-propylamine	8.80	70	65905	7.226	ng	95
20) 3+4-Methylphenols	8.76	107	84658	6.356	ng	94
22) Acetophenone	8.82	105	120170	7.432	ng	# 94
24) Nitrobenzene	9.20	77	89987	7.754	ng	98
25) Isophorone	9.72	82	173096	6.743	ng	# 98
26) 2-Nitrophenol	9.91	139	25255	6.676	ng	# 89
27) 2,4-Dimethylphenol	9.97	122	66333	7.260	ng	97
28) bis(2-Chloroethoxy)methane	10.21	93	102581	7.116	ng	98
29) 2,4-Dichlorophenol	10.45	162	60684	6.416	ng	98
30) 1,2,4-Trichlorobenzene	10.67	180	71243	6.798	ng	97
31) Naphthalene	10.85	128	229438	7.071	ng	99
32) Benzoic acid	10.03	122	22009m	4.448	ng	
33) 4-Chloroaniline	10.95	127	96772	6.675	ng	93
34) Hexachlorobutadiene	11.15	225	38889	6.355	ng	94
35) Caprolactam	11.69	113	22290	6.207	ng	91
36) 4-Chloro-3-methylphenol	12.06	107	70407	6.535	ng	99
37) 2-Methylnaphthalene	12.46	142	167106	7.245	ng	97
38) 1-Methylnaphthalene	12.68	142	158700m	7.291	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	75151	7.374	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	39579	6.545	ng	97
43) 2,4,6-Trichlorophenol	13.06	196	43902	6.370	ng	95
44) 2,4,5-Trichlorophenol	13.13	196	47802	6.134	ng	92
46) 1,1'-Biphenyl	13.46	154	213425	7.848	ng	98
47) 2-Chloronaphthalene	13.50	162	150094	6.995	ng	97
48) 2-Nitroaniline	13.69	65	39638	7.893	ng	94
49) Acenaphthylene	14.34	152	253510	7.323	ng	97
50) Dimethylphthalate	14.08	163	187664	6.917	ng	# 97
51) 2,6-Dinitrotoluene	14.19	165	33148	7.874	ng	90
52) Acenaphthene	14.69	154	147950	6.775	ng	97
53) 3-Nitroaniline	14.51	138	37862	7.258	ng	# 92
54) 2,4-Dinitrophenol	14.72	184	6720	4.525	ng	90
55) Dibenzofuran	15.03	168	233060	7.281	ng	94
56) 4-Nitrophenol	14.81	139	28503	6.448	ng	93
57) 2,4-Dinitrotoluene	14.97	165	40844	7.852	ng	96
58) Fluorene	15.67	166	189658	7.223	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.25	232	41301m	6.865	ng	
60) Diethylphthalate	15.45	149	193935	6.816	ng	96
61) 4-Chlorophenyl-phenylether	15.67	204	87401	6.690	ng	98
62) 4-Nitroaniline	15.67	138	40311	7.189	ng	93
63) Azobenzene	15.96	77	221442	7.251	ng	98
65) 4,6-Dinitro-2-methylphenol	15.74	198	11257	5.189	ng	93
66) n-Nitrosodiphenylamine	15.88	169	161417	7.032	ng	99
67) 4-Bromophenyl-phenylether	16.56	248	52097	6.298	ng	98
68) Hexachlorobenzene	16.68	284	55934	6.738	ng	96
69) Atrazine	16.82	200	52320	7.710	ng	95
70) Pentachlorophenol	17.02	266	22945	4.971	ng	93
71) Phenanthrene	17.41	178	286117	7.307	ng	98
72) Anthracene	17.50	178	295129	7.427	ng	95
73) Carbazole	17.76	167	276050	6.930	ng	# 93
74) Di-n-butylphthalate	18.34	149	328207	6.818	ng	# 95
75) Fluoranthene	19.42	202	329187	7.272	ng	94
77) Benzidine	19.59	184	155711	8.306	ng	98
78) Pyrene	19.78	202	335783	7.503	ng	94
80) Butylbenzylphthalate	20.68	149	130382	6.165	ng	99
81) Benzo(a)anthracene	21.60	228	305757	7.092	ng	95
82) 3,3'-Dichlorobenzidine	21.52	252	110531	6.938	ng	99
83) Chrysene	21.67	228	285848	6.960	ng	97
84) Bis(2-ethylhexyl)phthalate	21.55	149	197134	6.421	ng	94
85) Di-n-octyl phthalate	22.75	149	324151	6.084	ng	99
87) Indeno(1,2,3-cd)pyrene	28.34	276	329731	6.950	ng	96
88) Benzo(b)fluoranthene	23.78	252	290958	7.067	ng	100
89) Benzo(k)fluoranthene	23.85	252	291178	7.480	ng	97
90) Benzo(a)pyrene	24.62	252	262781	6.788	ng	96
91) Dibenzo(a,h)anthracene	28.41	278	269346	7.038	ng	99
92) Benzo(g,h,i)perylene	29.45	276	272195	7.068	ng	99

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

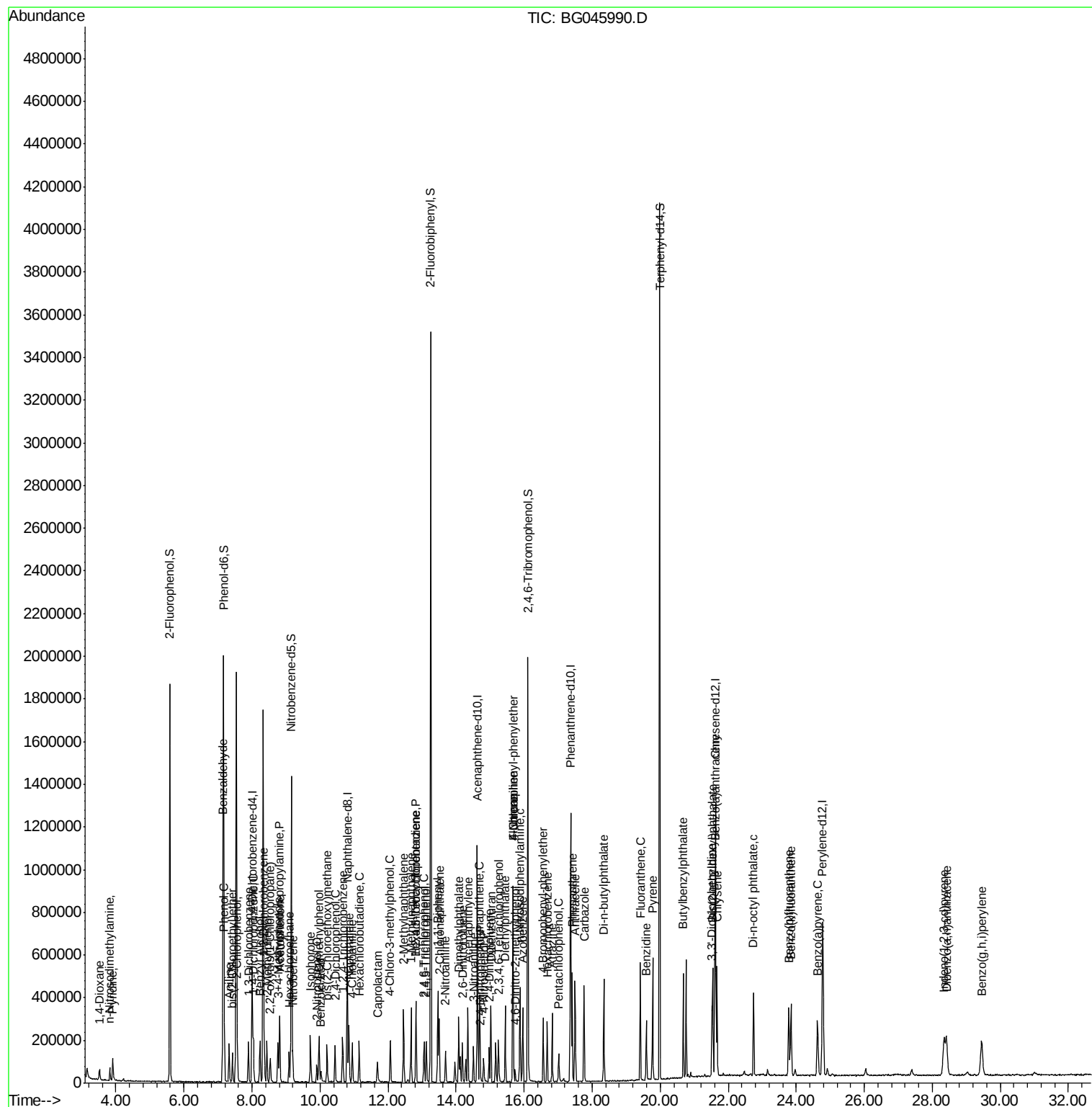
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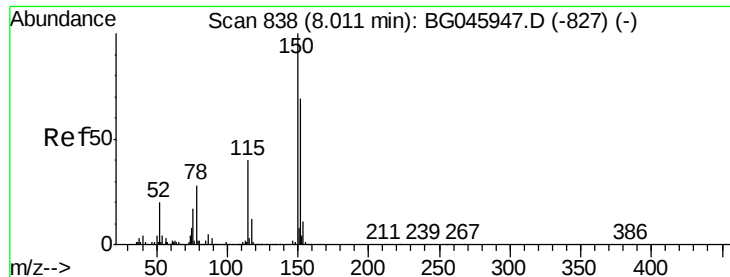
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

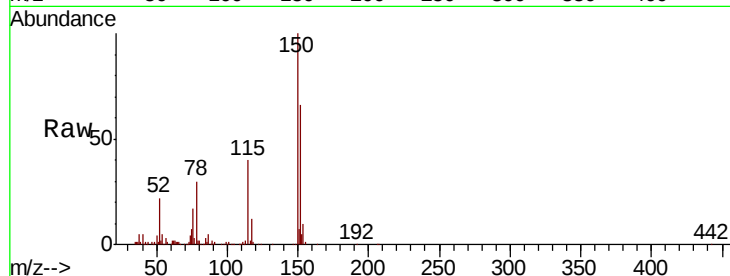
ClientSampleId :

MDL-SOIL-03-QT3-2020

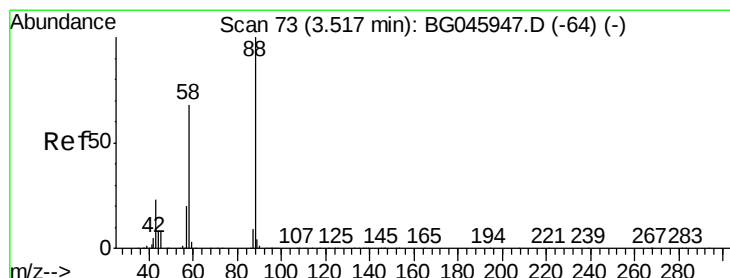
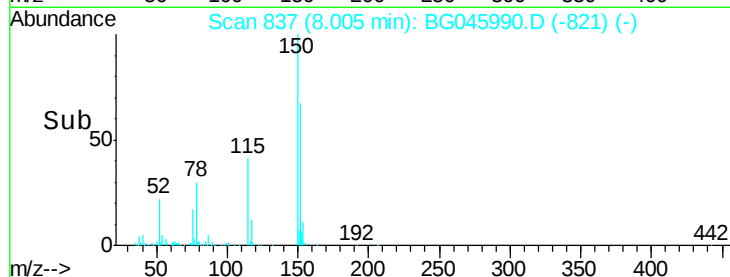
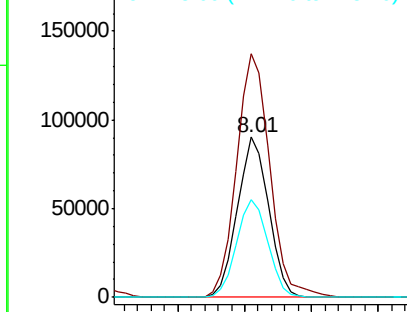
Tot Ion:	152	Resp:	146239
Ion Ratio	Lower	Upper	
152	100		
150	151.9	116.7	175.1
115	60.8	47.4	71.0

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



#2

1,4-Dioxane

Concen: 8.139 ng

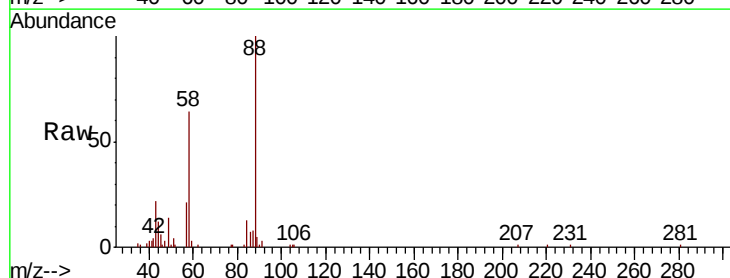
RT: 3.52 min Scan# 73

Delta R.T. -0.00 min

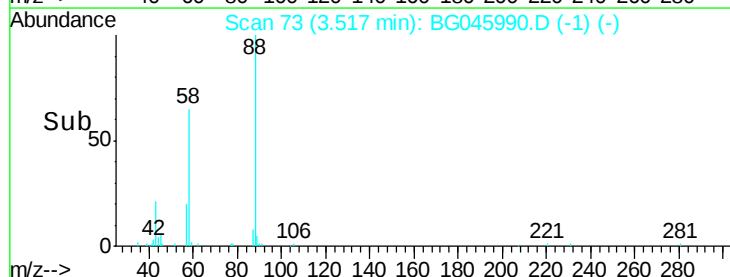
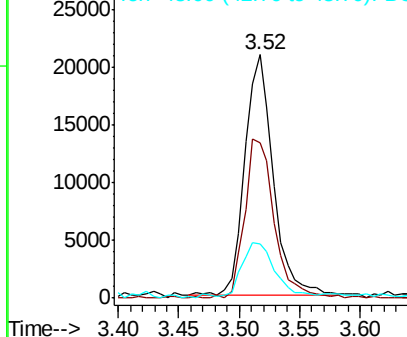
Lab File: BG045990.D

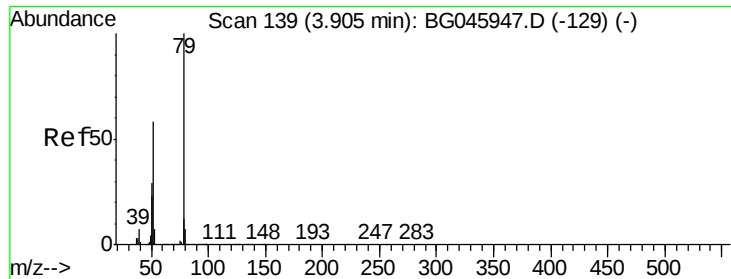
Acq: 9 Jul 2020 11:05

Tgt Ion:	88	Resp:	33863
Ion Ratio	Lower	Upper	
88	100		
58	69.7	55.2	82.8
43	25.3	19.4	29.0



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 5.985 ng

RT: 3.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

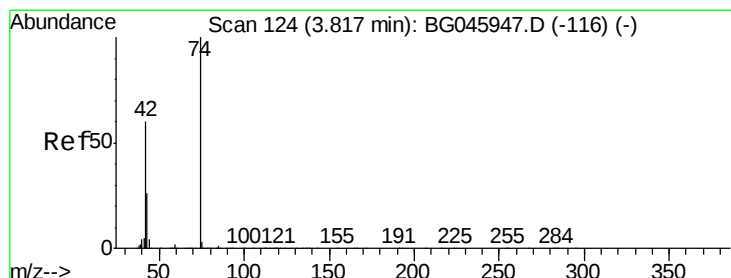
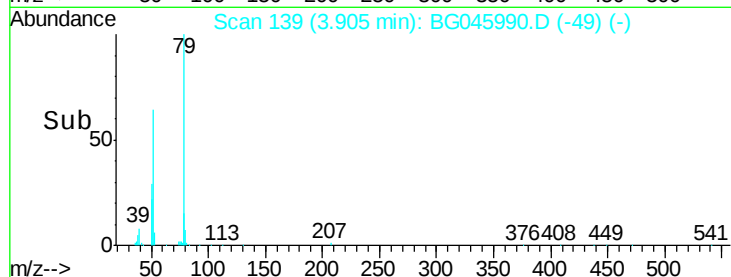
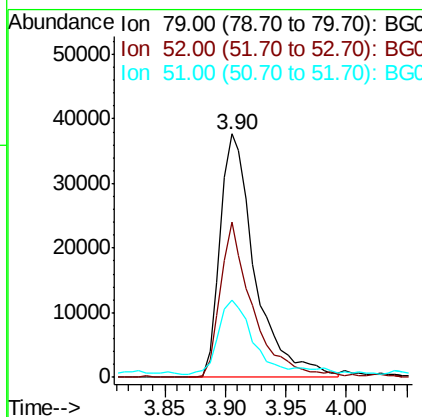
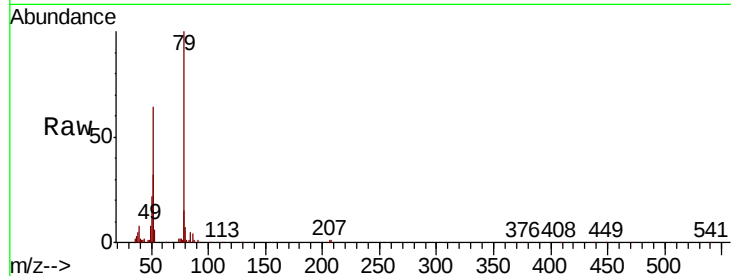
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	79	Resp:	75288
Ion	Ratio	Lower	Upper
79	100		
52	63.7	46.5	69.7
51	31.9	23.5	35.3

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#4

n-Nitrosodimethylamine

Concen: 7.471 ng

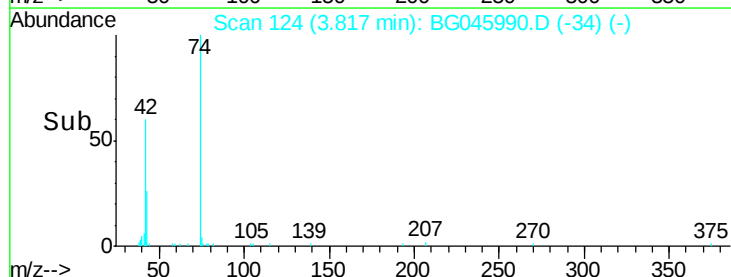
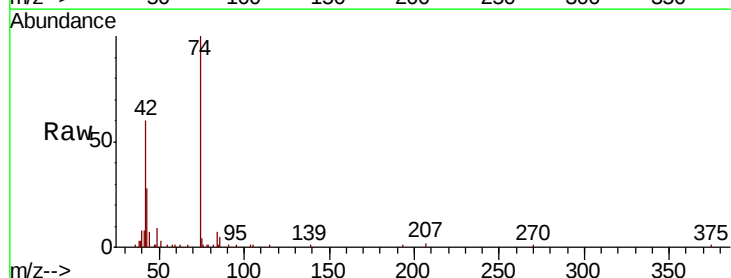
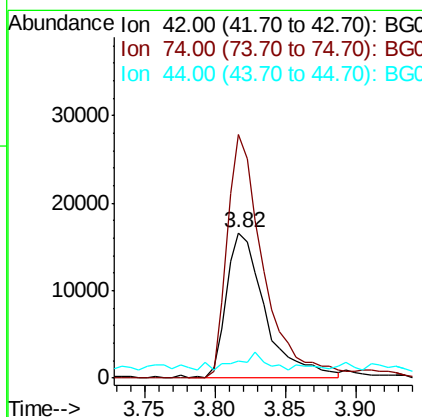
RT: 3.82 min Scan# 124

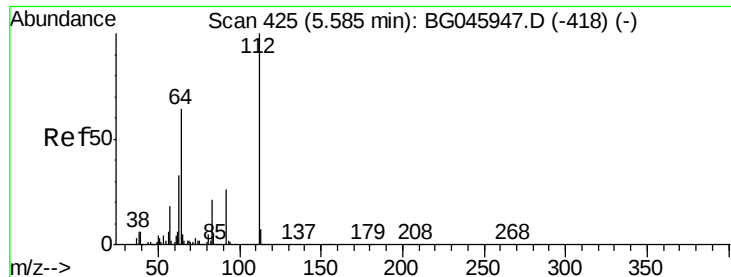
Delta R.T. -0.00 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion:	42	Resp:	31782
Ion	Ratio	Lower	Upper
42	100		
74	167.7	131.9	197.9
44	11.9	7.7	11.5#





#5

2-Fluorophenol

Concen: 92.896 ng

RT: 5.58 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

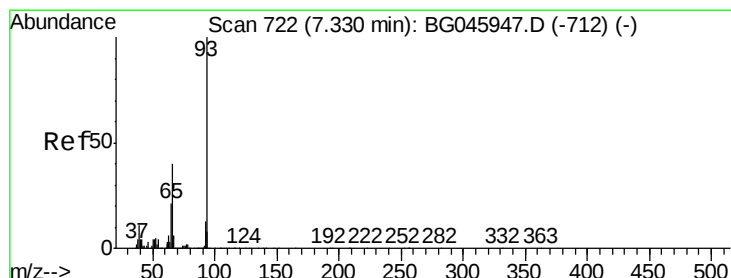
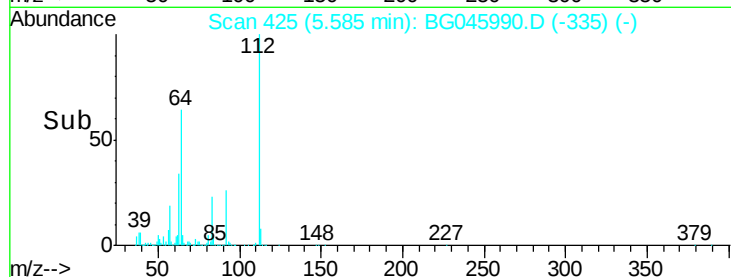
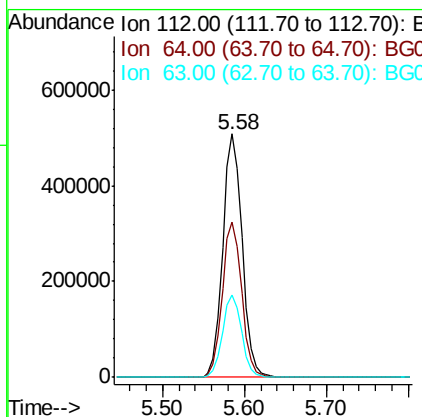
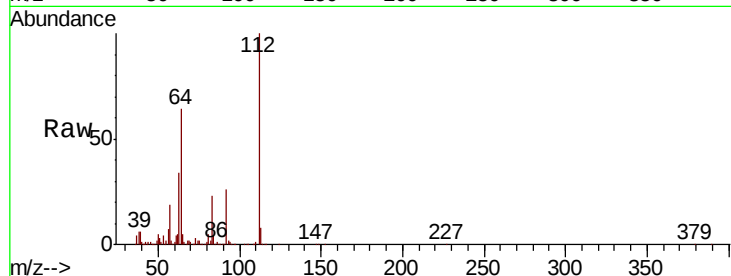
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	112	Resp:	837723
Ion Ratio	Lower	Upper	
112	100		
64	64.0	51.4	77.2
63	33.7	26.6	40.0

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#6

Aniline

Concen: 7.175 ng

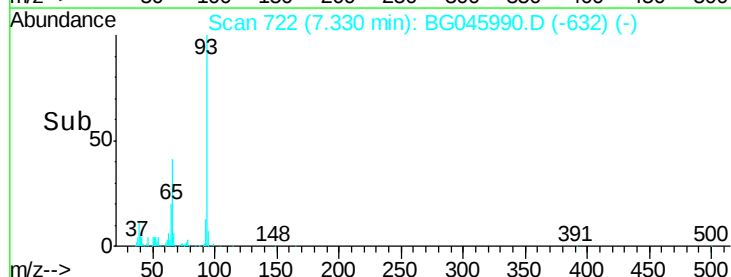
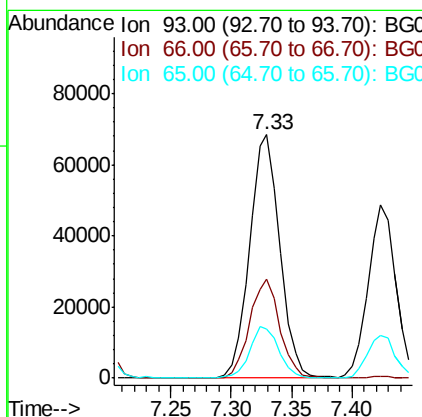
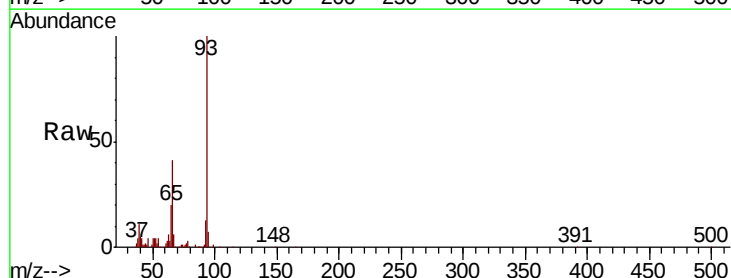
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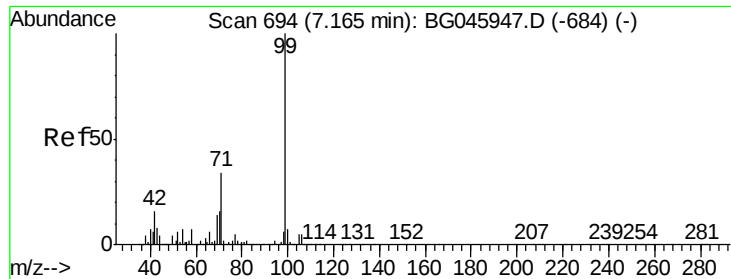
Delta R.T. -0.00 min

Lab File: BG045990.D

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Tgt Ion:	93	Resp:	119174
Ion Ratio	Lower	Upper	
93	100		
66	40.6	32.3	48.5
65	20.3	16.6	25.0





#7

Phenol-d6

Concen: 95.313 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

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Instrument :

BNA_G

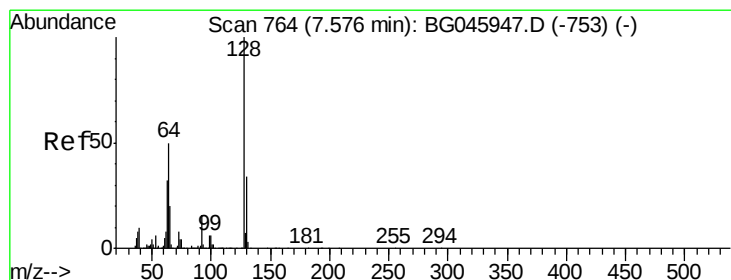
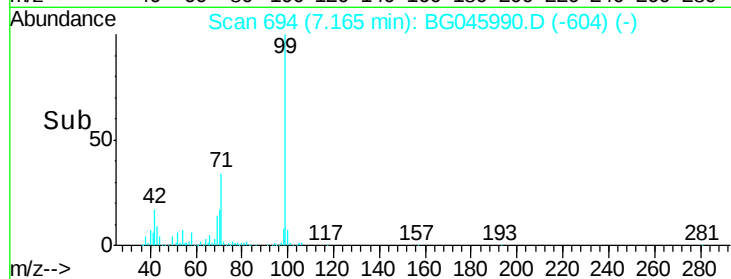
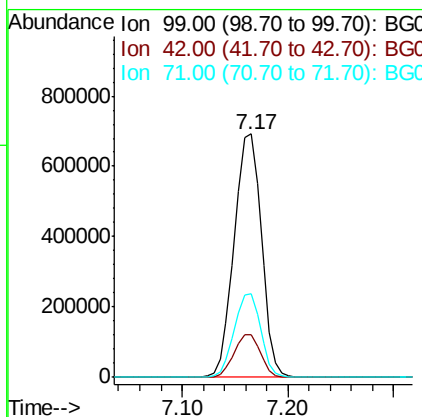
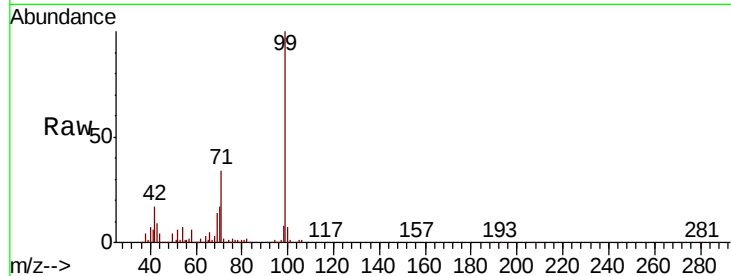
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	99	Resp:	1237452
Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.0	19.4
71	34.3	27.5	41.3

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#8

2-Chlorophenol

Concen: 7.155 ng

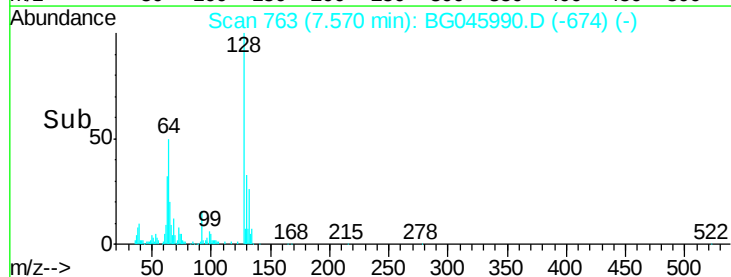
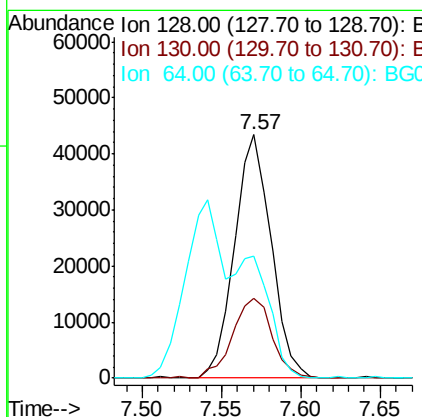
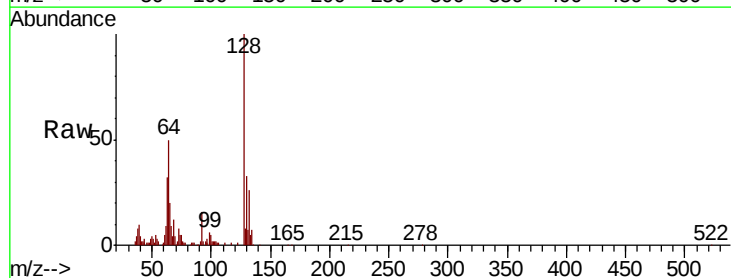
RT: 7.57 min Scan# 763

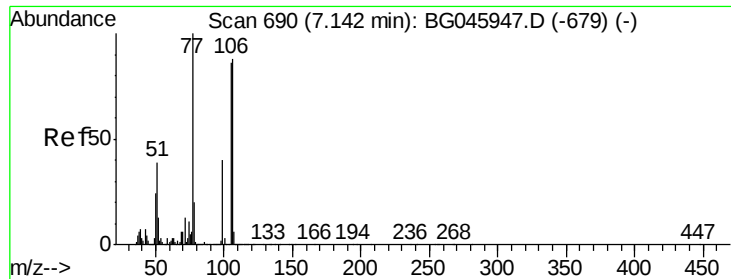
Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion:	128	Resp:	69454
Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.6	53.6
64	50.3	30.6	70.6





#9

Benzaldehyde

Concen: 9.863 ng

RT: 7.14 min Scan# 690

Delta R.T. 0.00 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

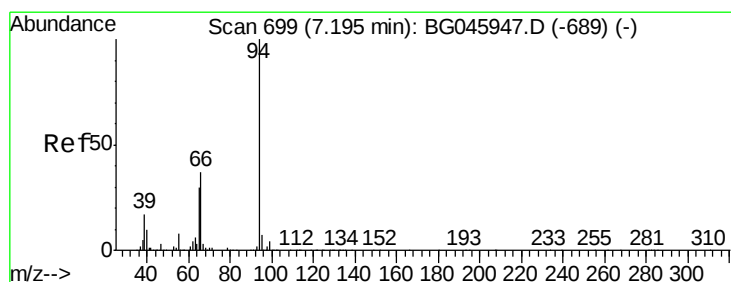
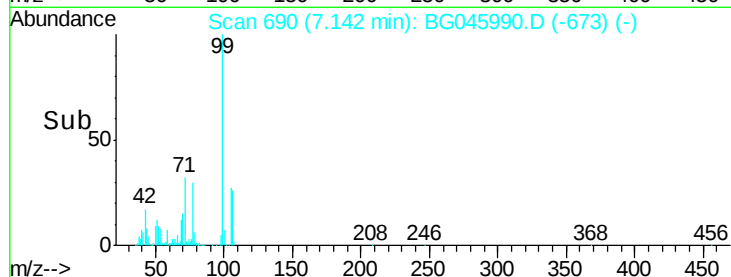
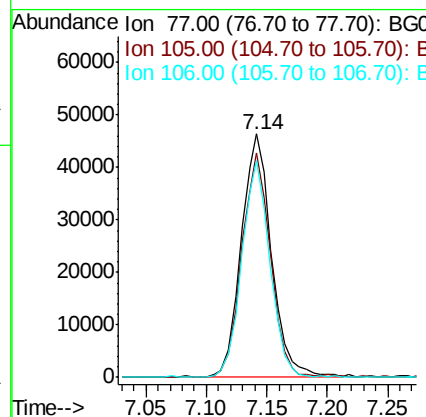
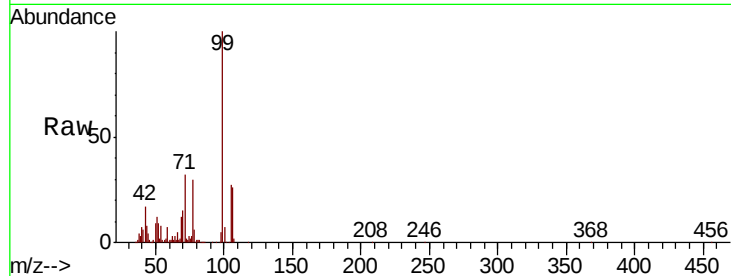
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
105	92.1	66.0	106.0	
106	88.8	67.7	107.7	

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#10

Phenol

Concen: 7.252 ng

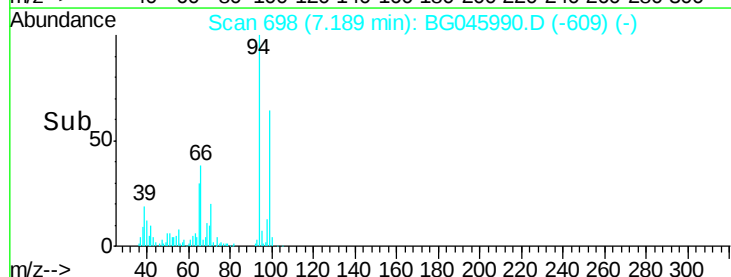
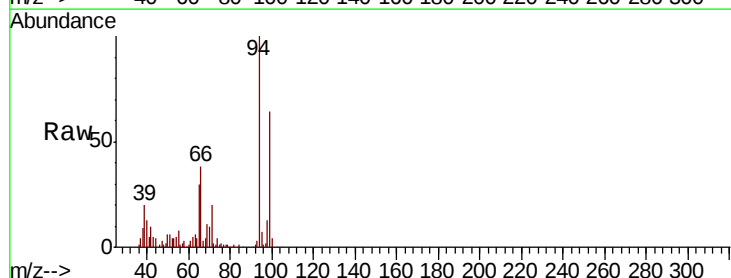
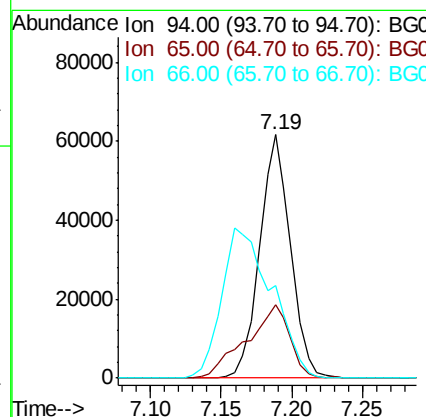
RT: 7.19 min Scan# 698

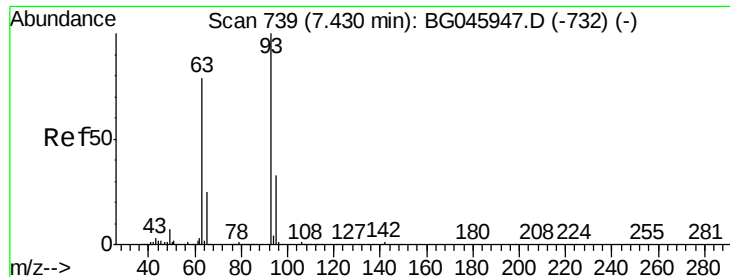
Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion	Ion	Ratio	Lower	Upper
94	100			
65	30.0	10.6	50.6	
66	38.3	17.1	57.1	





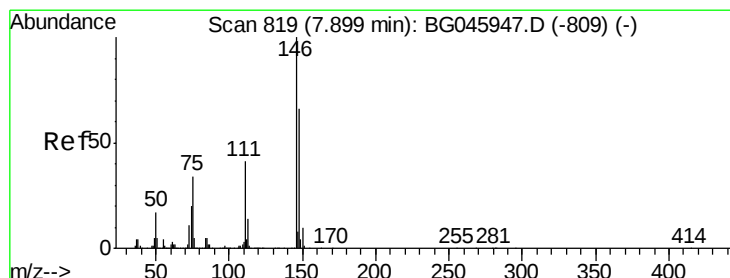
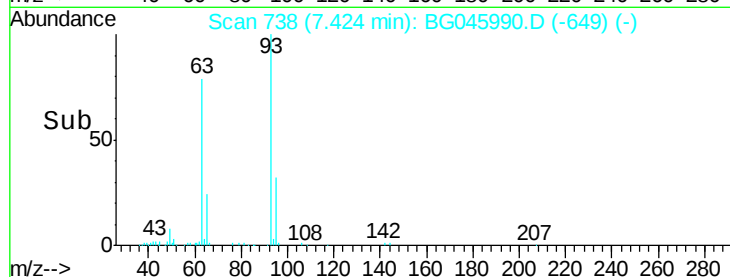
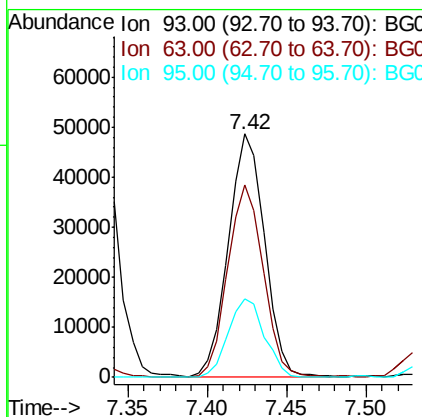
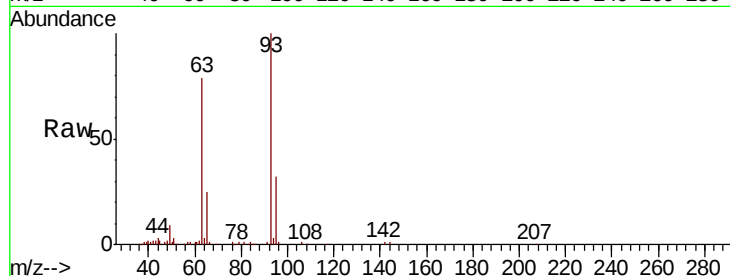
#11
bis(2-Chloroethyl)ether
Concen: 7.134 ng
RT: 7.42 min Scan# 738
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
93	100		
63	79.1	58.6	98.6
95	32.4	13.3	53.3

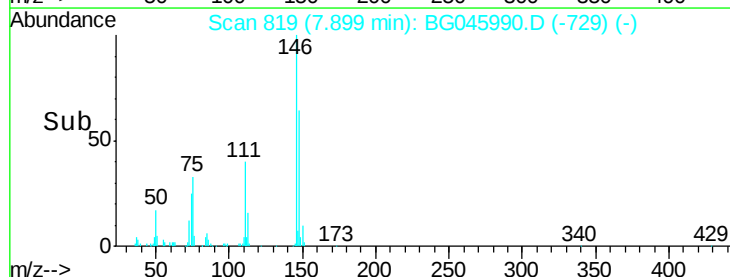
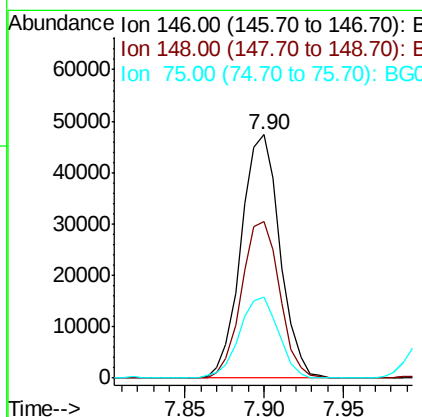
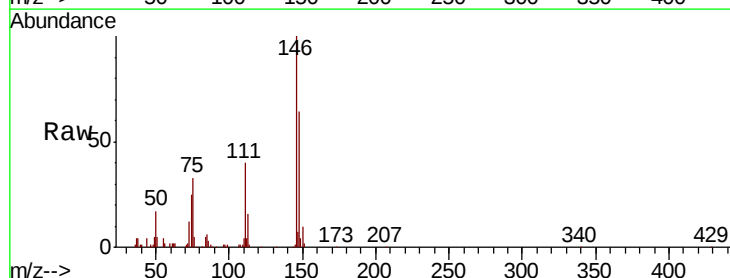
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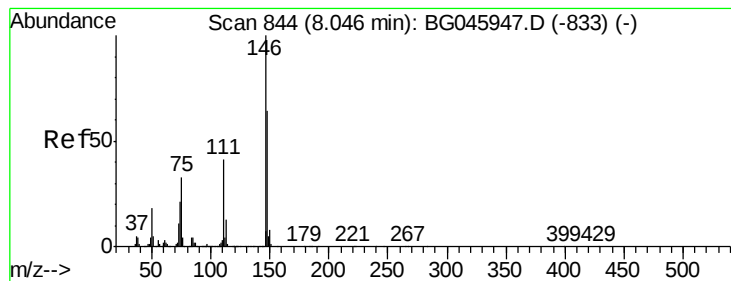
mohammad
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#12
1,3-Dichlorobenzene
Concen: 7.193 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.8	79.2
75	33.1	27.2	40.8





#13

1,4-Dichlorobenzene

Concen: 7.159 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

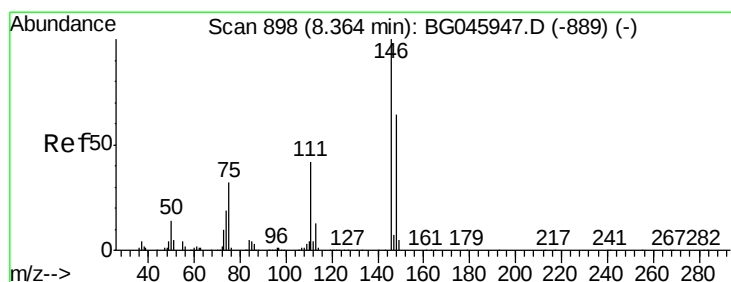
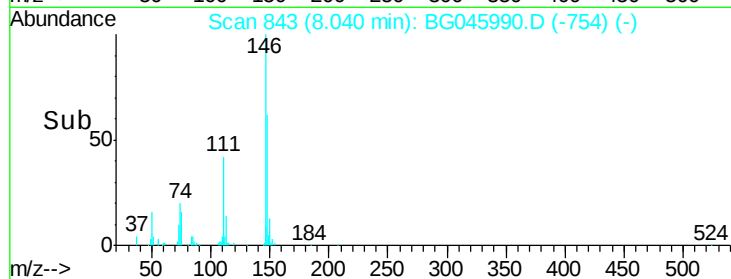
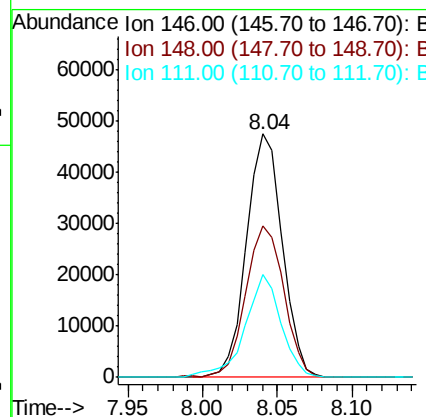
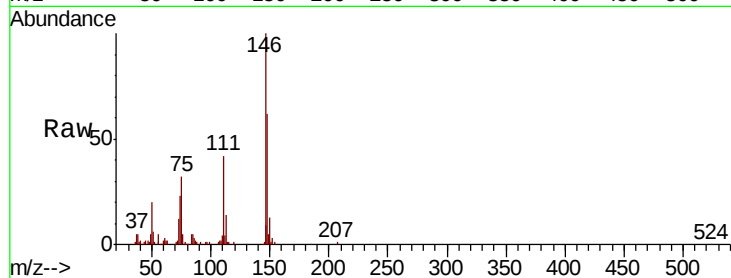
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	146	Resp:	78802
Ion Ratio	Lower	Upper	
146	100		
148	62.0	51.7	77.5
111	42.1	33.3	49.9

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#14

1,2-Dichlorobenzene

Concen: 6.961 ng

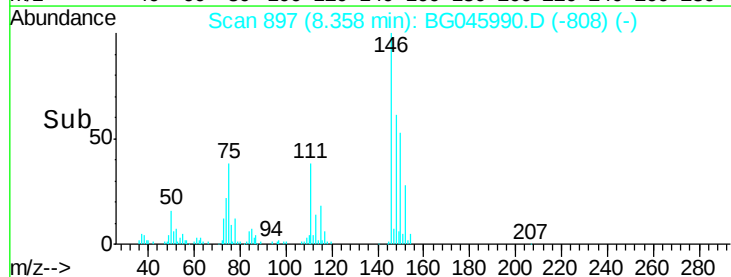
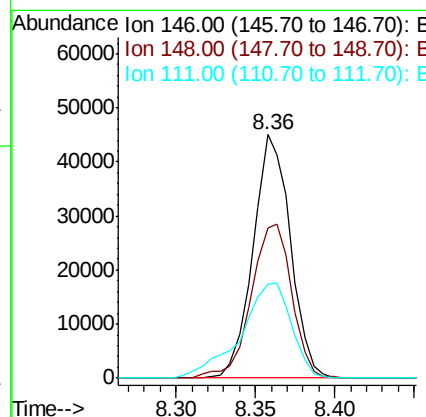
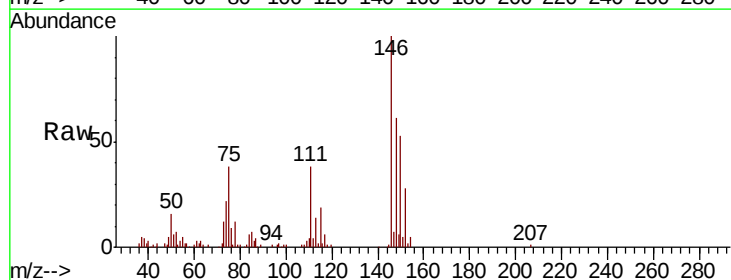
RT: 8.36 min Scan# 897

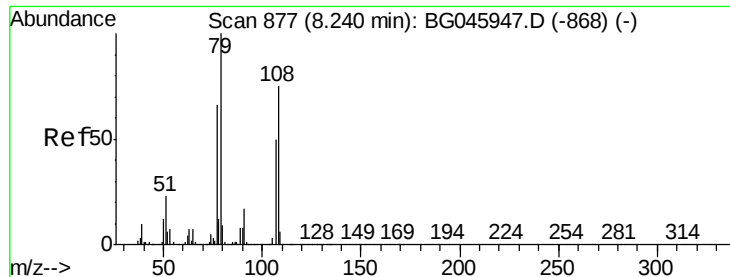
Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion:	146	Resp:	73745
Ion Ratio	Lower	Upper	
146	100		
148	61.4	51.6	77.4
111	38.5	34.0	51.0





#15

Benzyl Alcohol

Concen: 6.711 ng

RT: 8.23 min Scan# 876

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

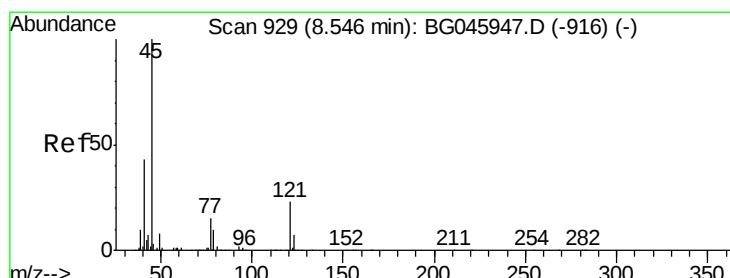
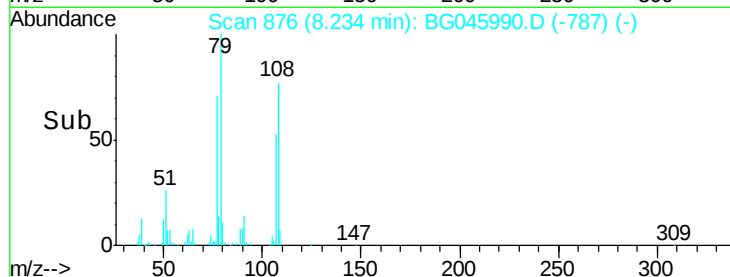
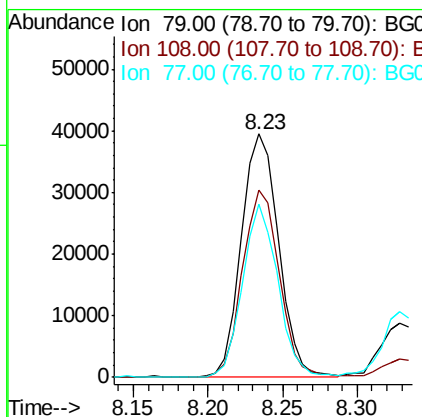
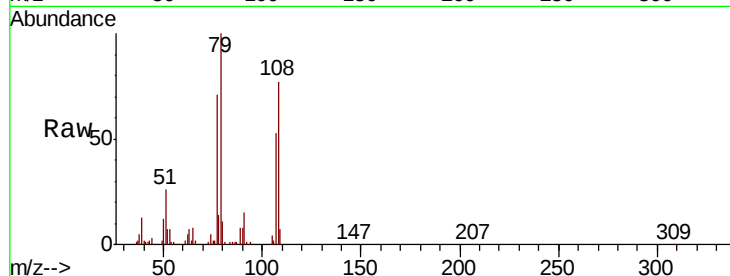
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	79	Resp:	68314
Ion Ratio	Lower	Upper	
79	100		
108	77.1	60.2	90.4
77	70.9	52.9	79.3

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#16

2,2'-oxybis(1-chloropropane)

Concen: 7.062 ng

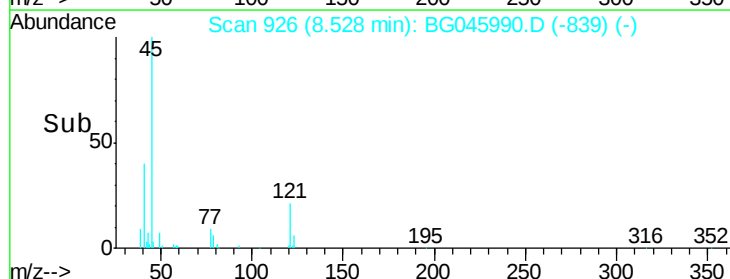
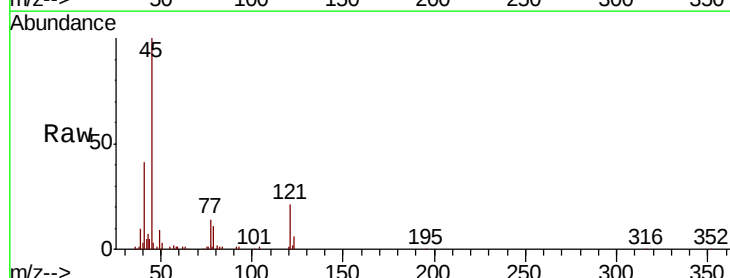
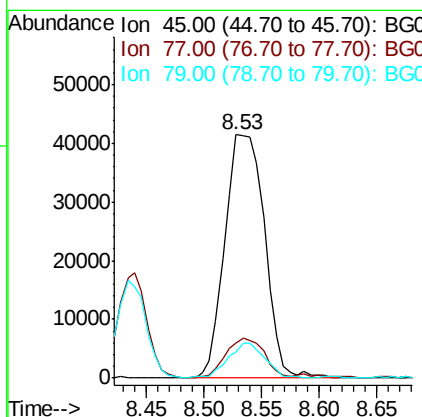
RT: 8.53 min Scan# 926

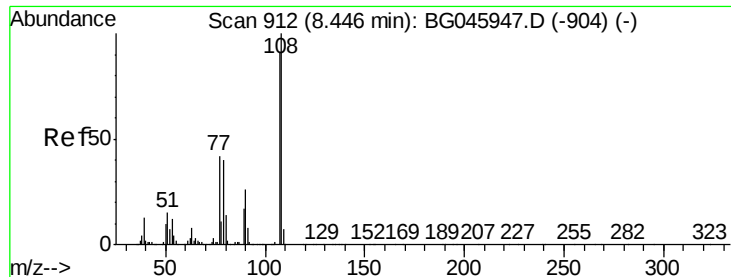
Delta R.T. -0.02 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion:	45	Resp:	99224
Ion Ratio	Lower	Upper	
45	100		
77	14.5	0.0	37.6
79	10.7	0.0	32.6





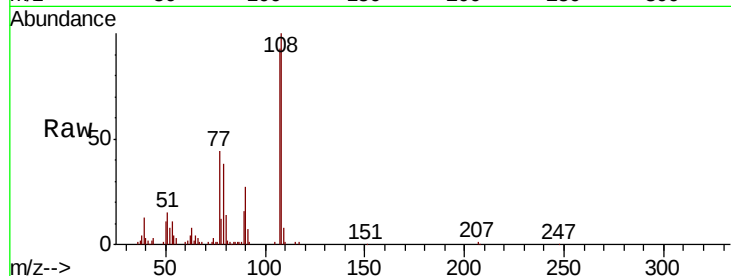
#17
2-Methylphenol
Concen: 6.414 ng
RT: 8.44 min Scan# 911
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	107.9	88.2	132.4	
77	47.7	37.0	55.4	
79	41.2	35.4	53.0	

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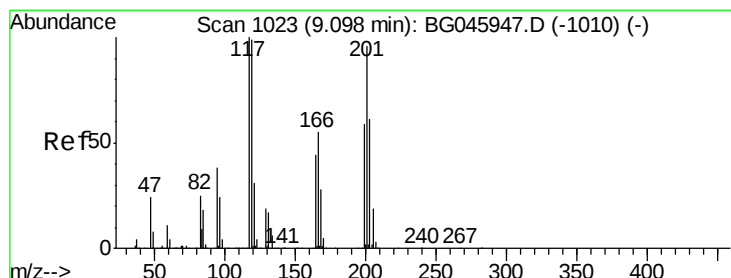
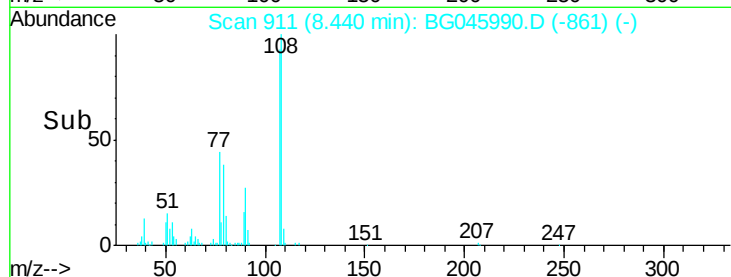
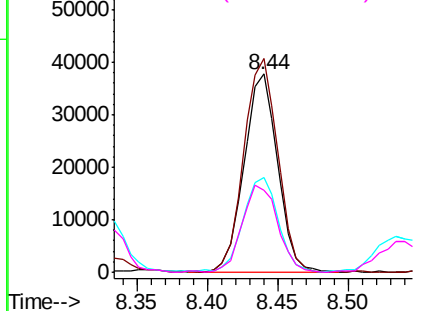
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

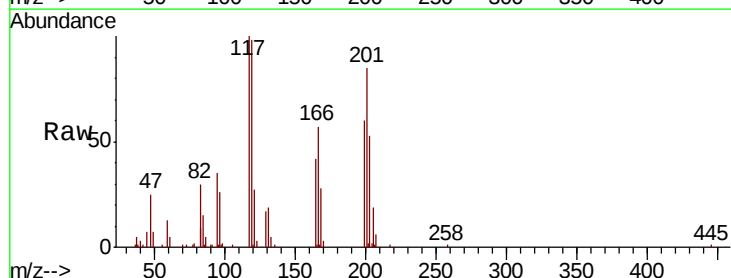
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 7.124 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.7	79.5	119.3	
201	86.8	77.0	115.4	

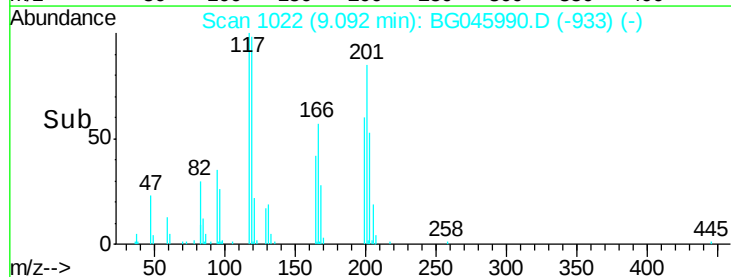
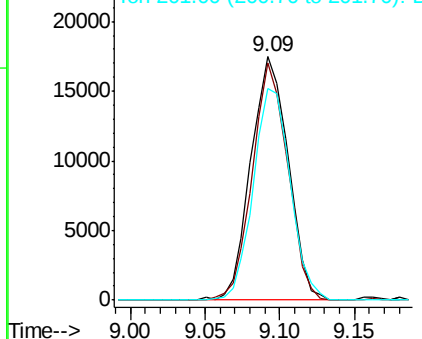


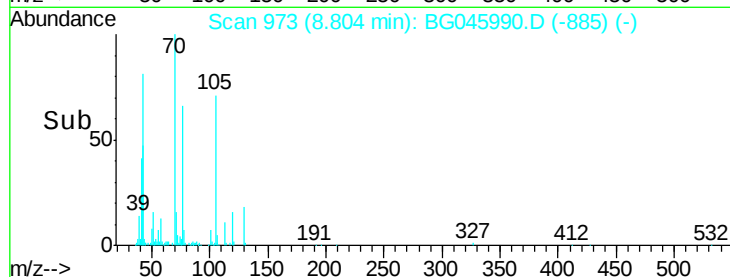
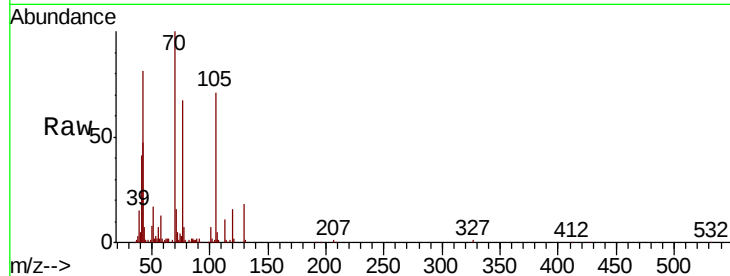
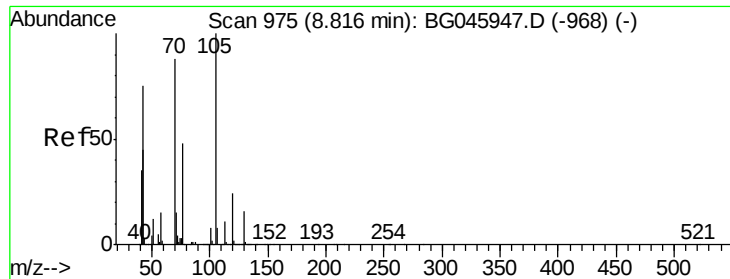
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





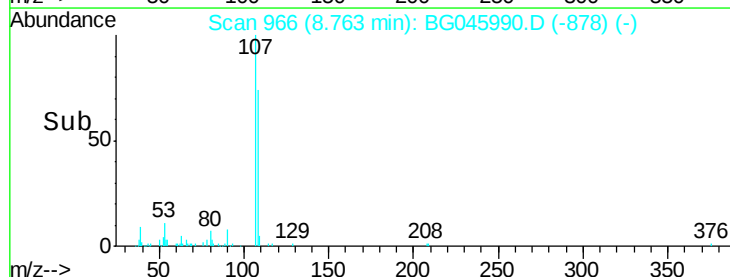
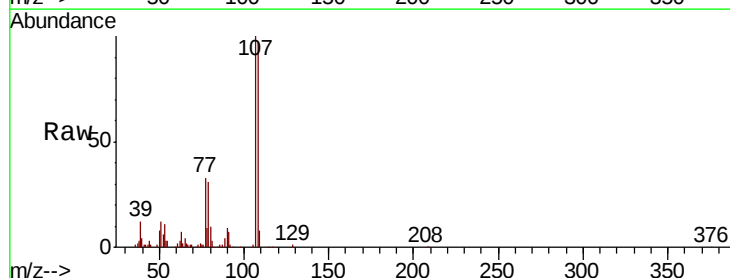
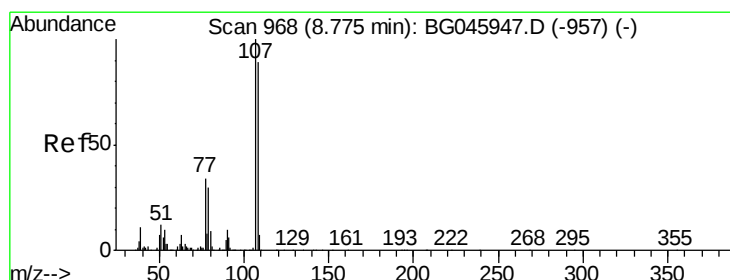
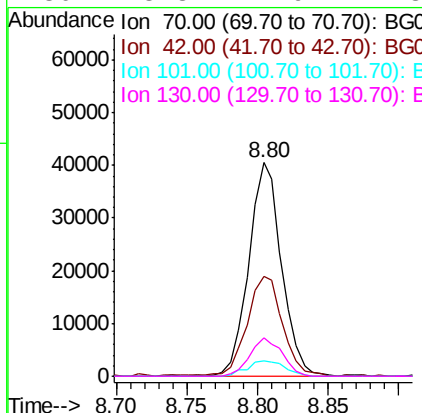
#19
n-Nitroso-di-n-propylamine
Concen: 7.226 ng
RT: 8.80 min Scan# 973
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	46.9	41.4	62.0	
101	7.5	7.1	10.7	
130	18.3	14.9	22.3	

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

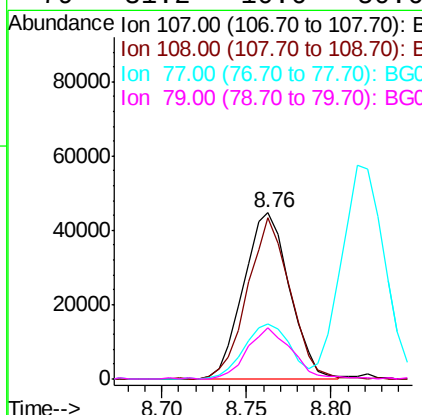
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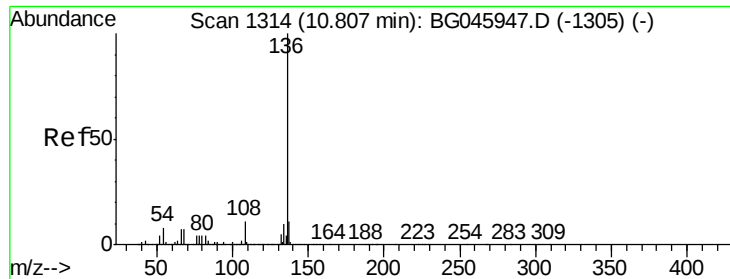
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#20
3+4-Methylphenols
Concen: 6.356 ng
RT: 8.76 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	97.0	68.7	108.7	
77	32.9	14.6	54.6	
79	31.2	10.6	50.6	





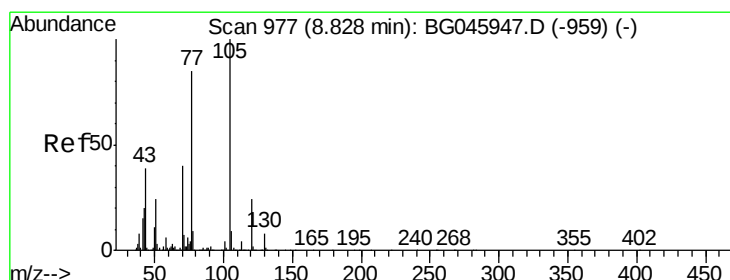
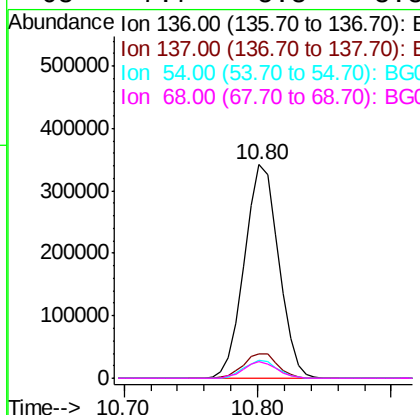
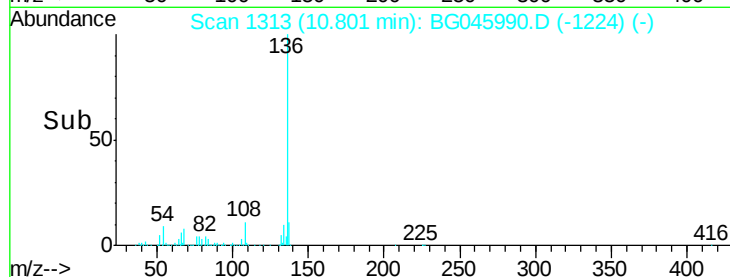
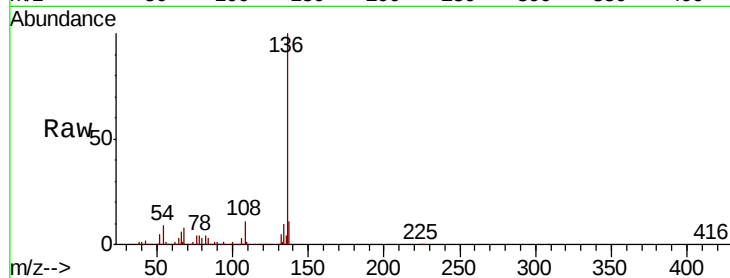
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100	605234		
137	11.4		9.2	13.8
54	8.6		6.2	9.4
68	7.7		5.8	8.8

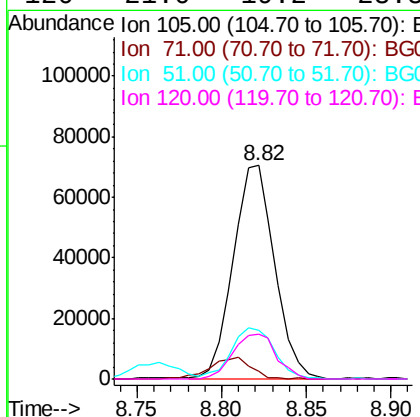
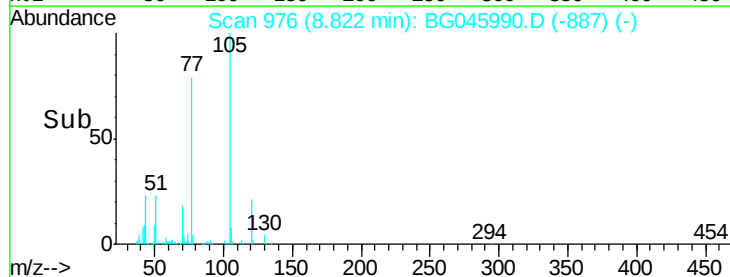
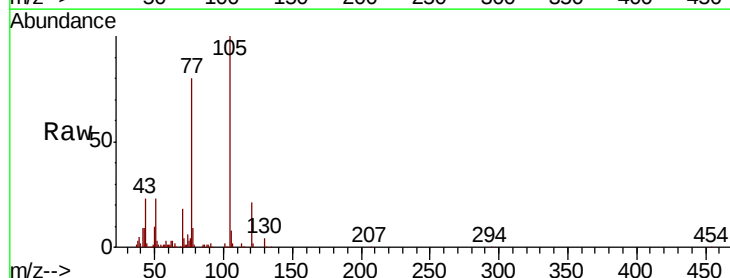
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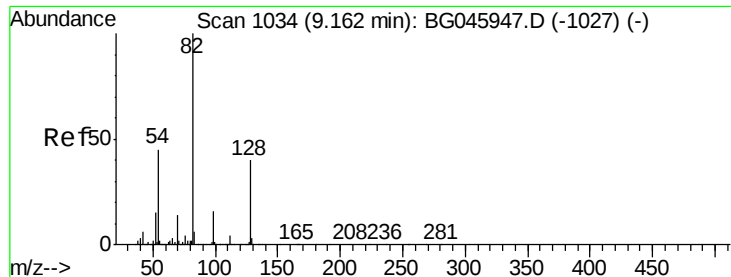
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#22
Acetophenone
Concen: 7.432 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	120170		
71	3.8		6.2	9.2#
51	22.7		19.7	29.5
120	21.0		19.2	28.8





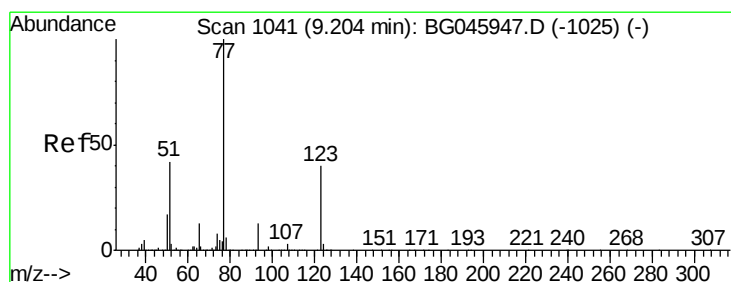
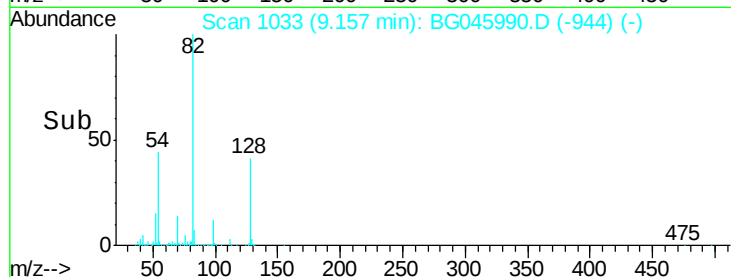
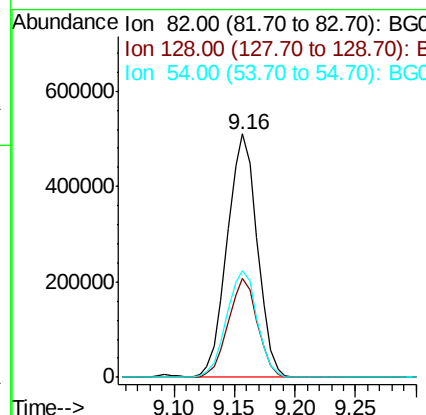
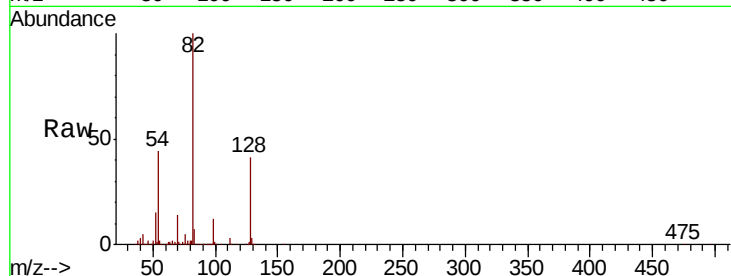
#23
Nitrobenzene-d5
Concen: 83.776 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	32.2	48.4
54	43.9	35.8	53.6

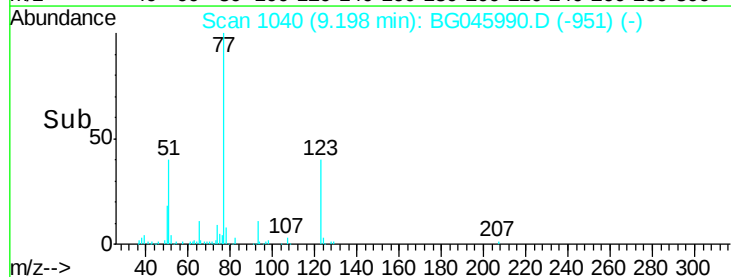
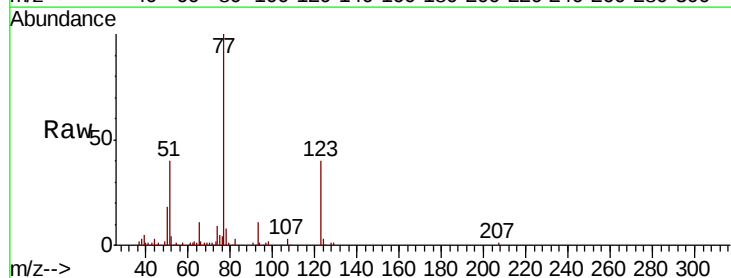
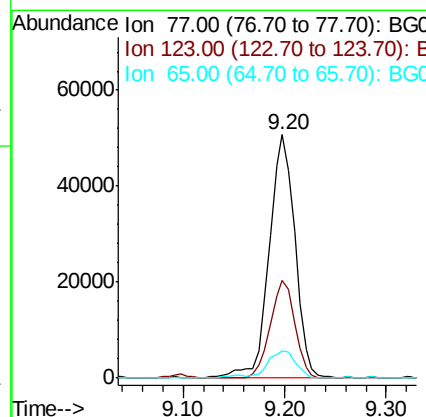
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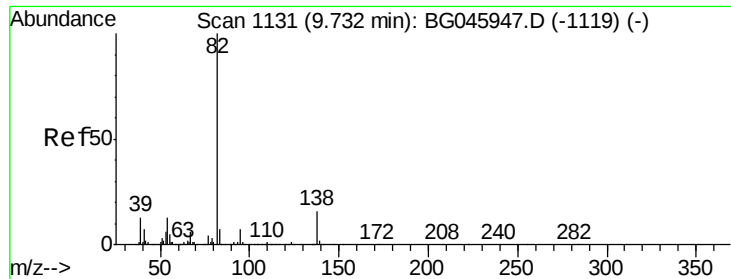
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#24
Nitrobenzene
Concen: 7.754 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
77	100		
123	40.0	32.7	49.1
65	11.2	10.2	15.4





#25

Isophorone

Concen: 6.743 ng

RT: 9.72 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

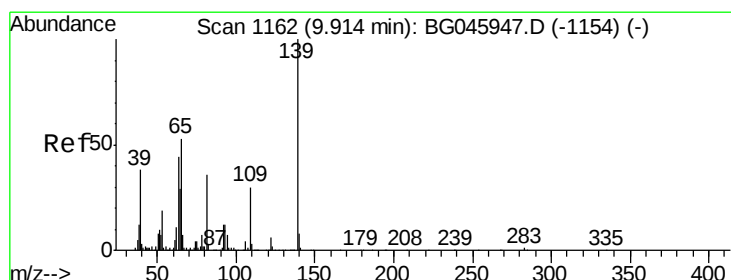
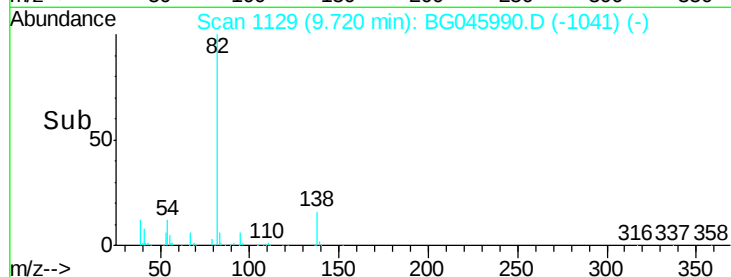
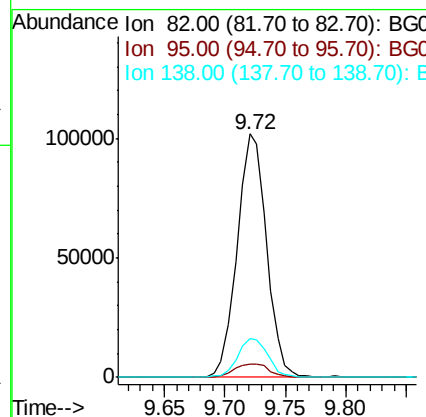
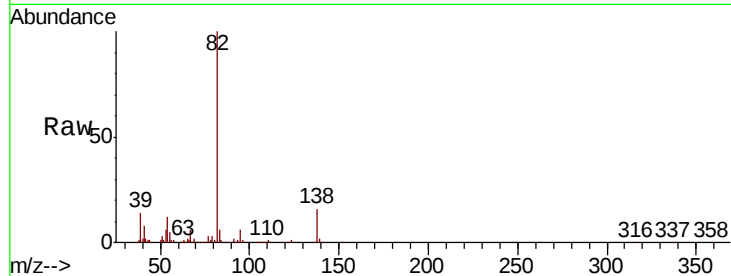
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
82	100		
95	5.6	5.8	8.6#
138	16.2	12.9	19.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 6.676 ng

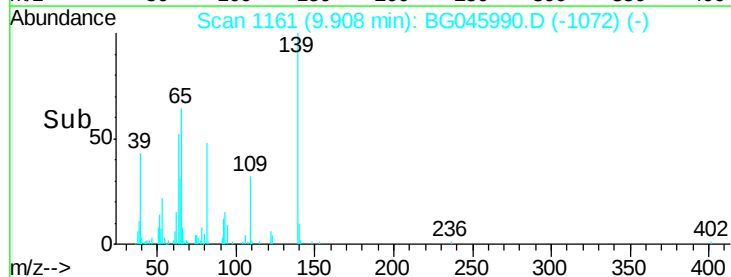
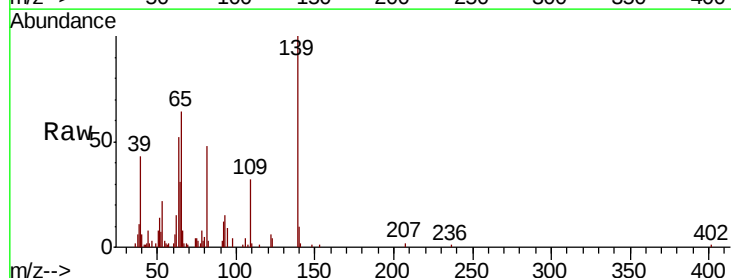
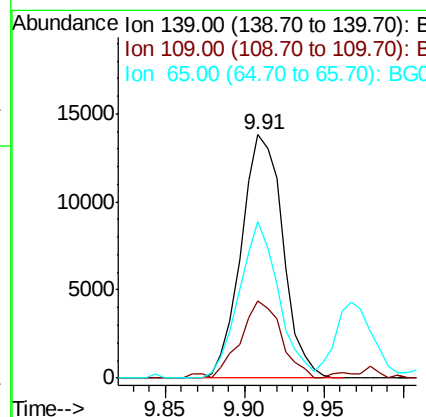
RT: 9.91 min Scan# 1161

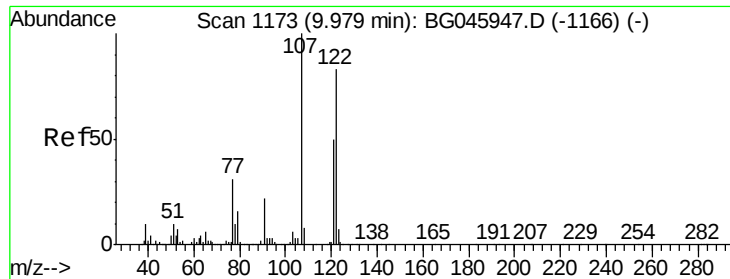
Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
139	100		
109	31.9	24.6	37.0
65	64.4	42.6	64.0#





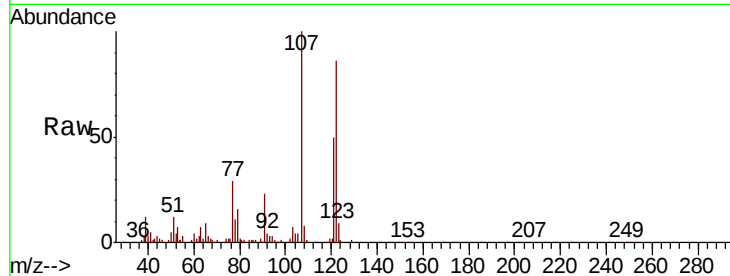
#27
 2,4-Dimethylphenol
 Concen: 7.260 ng
 RT: 9.97 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	116.2	95.6	143.4
121	57.8	47.7	71.5

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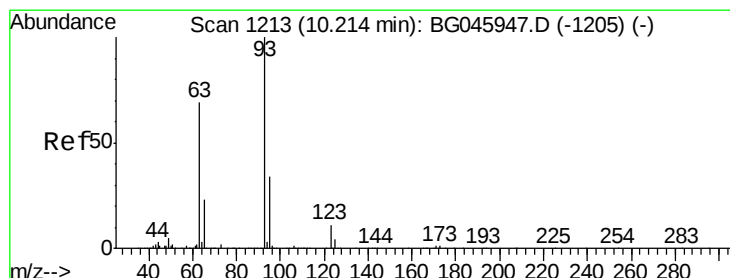
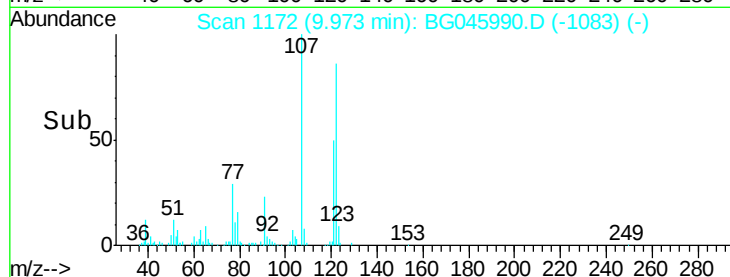
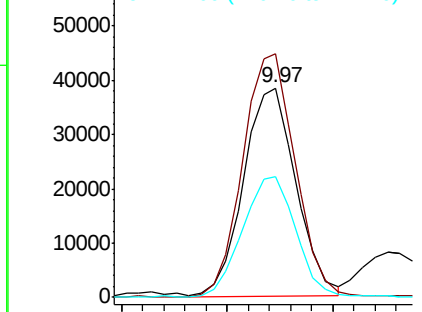


Abundance

Ion 122.00 (121.70 to 122.70): E

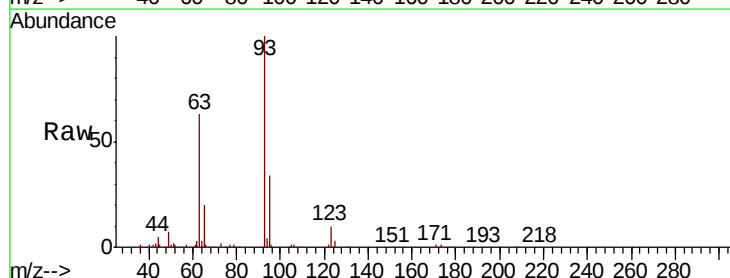
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 7.116 ng
 RT: 10.21 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.6	27.5	41.3
123	9.7	9.2	13.8

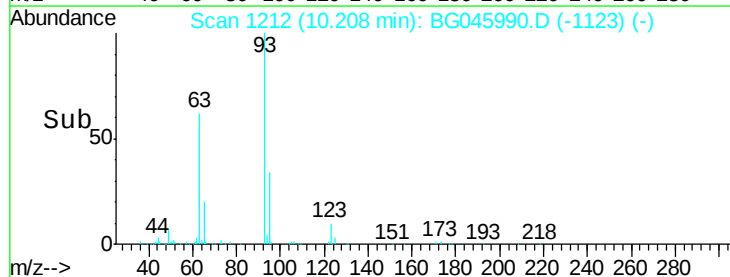
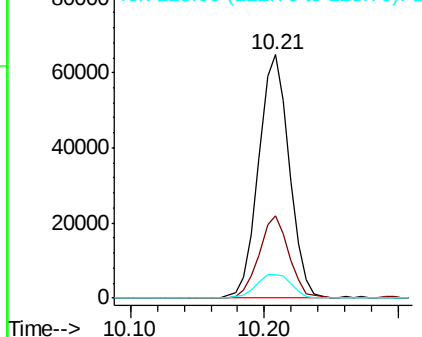


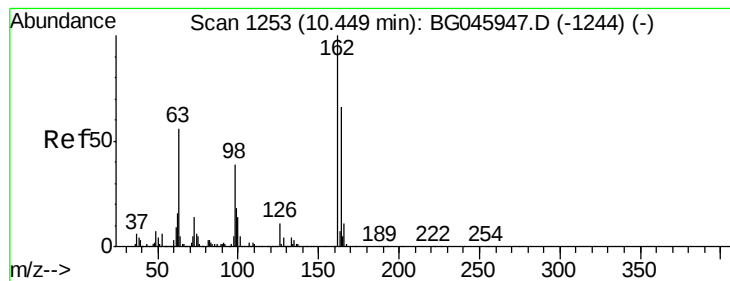
Abundance

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): BGC





#29

2,4-Dichlorophenol

Concen: 6.416 ng

RT: 10.45 min Scan# 1253

Delta R.T. -0.00 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

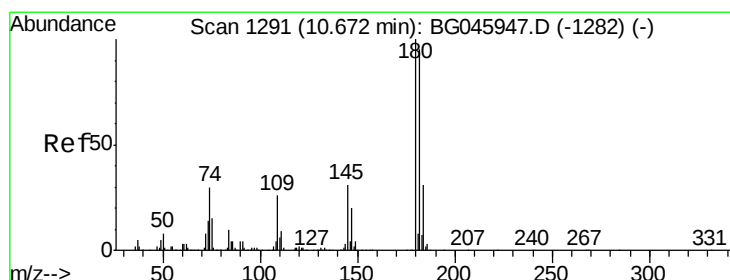
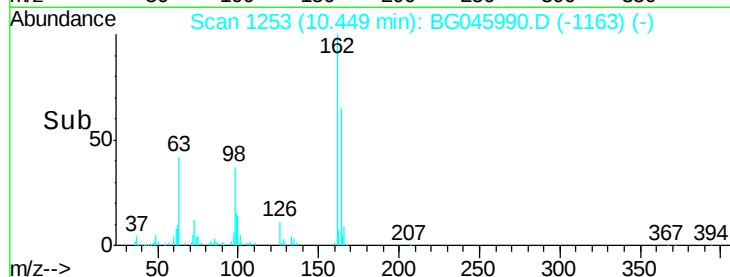
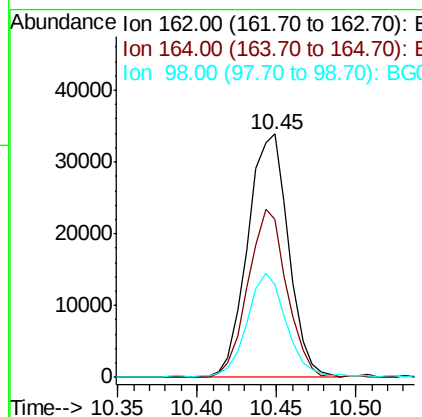
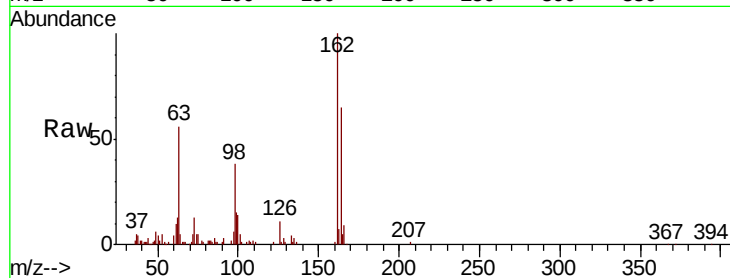
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	162	Resp:	60684
Ion Ratio	Lower	Upper	
162	100		
164	64.7	46.0	86.0
98	37.9	19.2	59.2

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#30

1,2,4-Trichlorobenzene

Concen: 6.798 ng

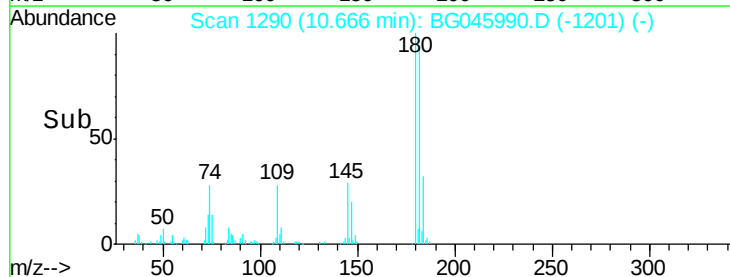
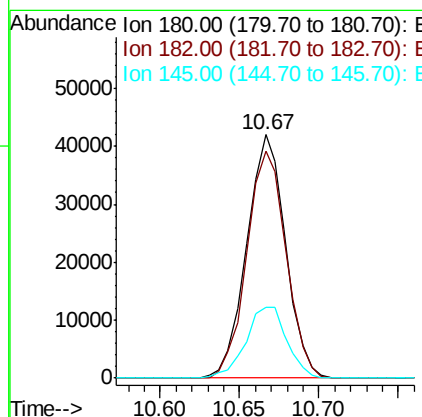
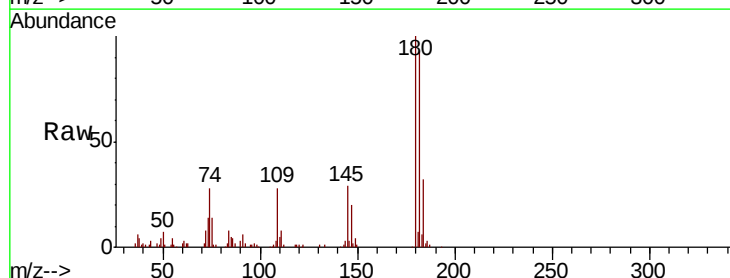
RT: 10.67 min Scan# 1290

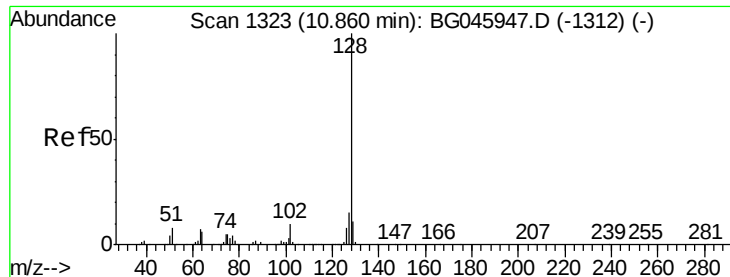
Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion:	180	Resp:	71243
Ion Ratio	Lower	Upper	
180	100		
182	93.1	76.3	114.5
145	28.9	24.8	37.2





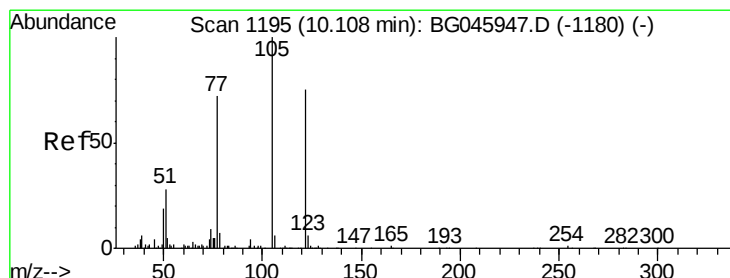
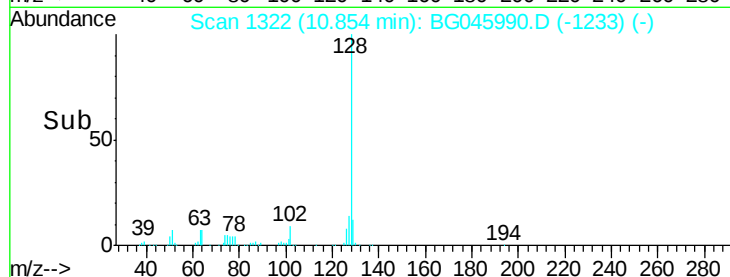
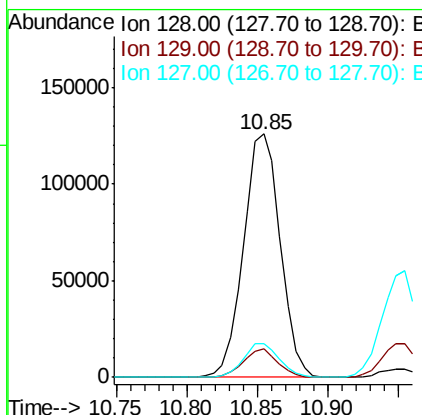
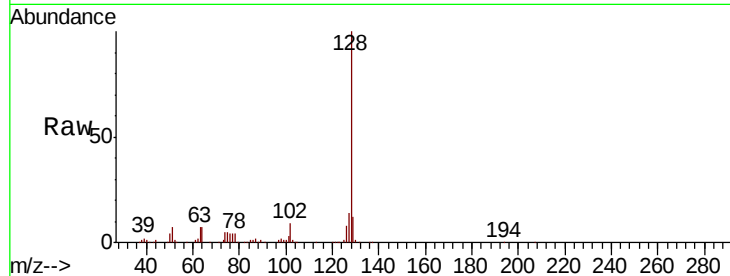
#31
Naphthalene
Concen: 7.071 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.9	11.8	17.6

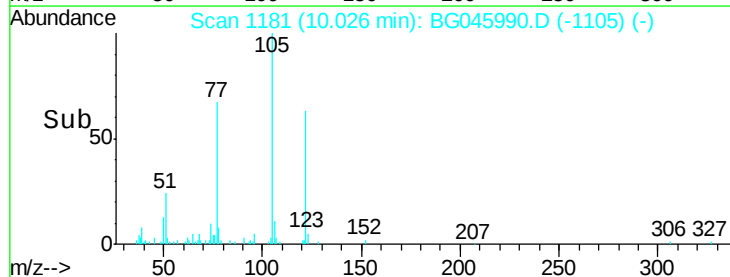
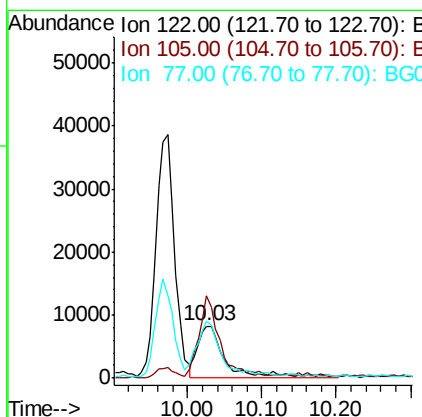
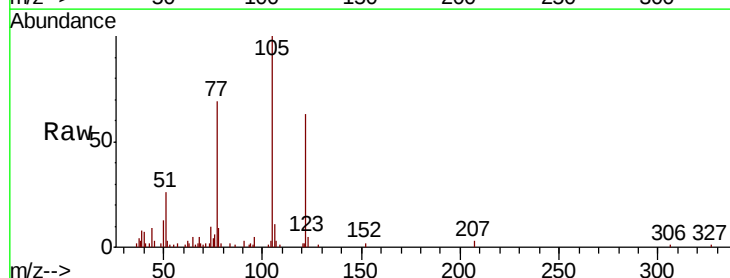
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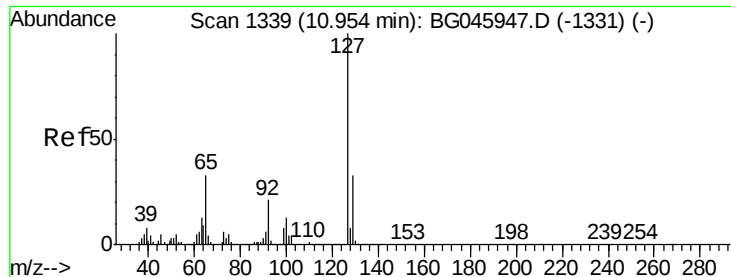
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#32
Benzoic acid
Concen: 4.448 ng m
RT: 10.03 min Scan# 1181
Delta R.T. -0.08 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
122	100		
105	159.5	110.8	150.8#
77	110.3	76.4	116.4





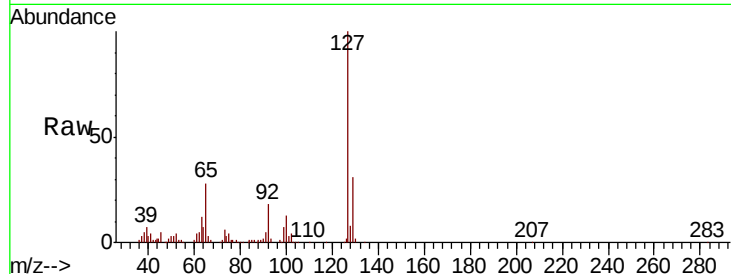
#33
4-Chloroaniline
Concen: 6.675 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.1	26.6	39.8
65	28.1	26.8	40.2
92	18.1	17.0	25.4

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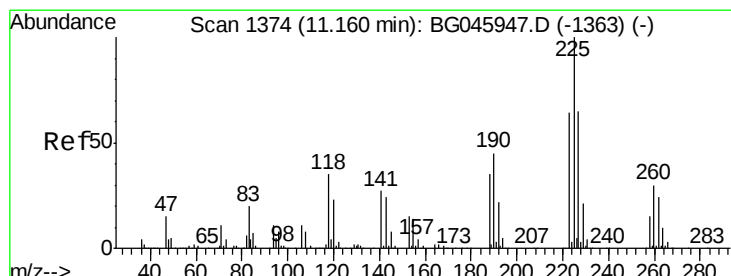
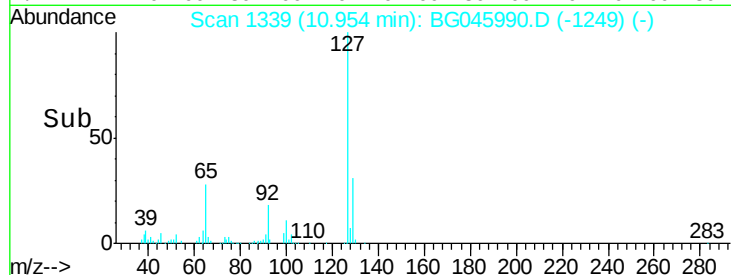
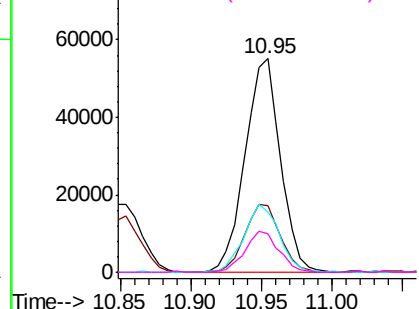
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

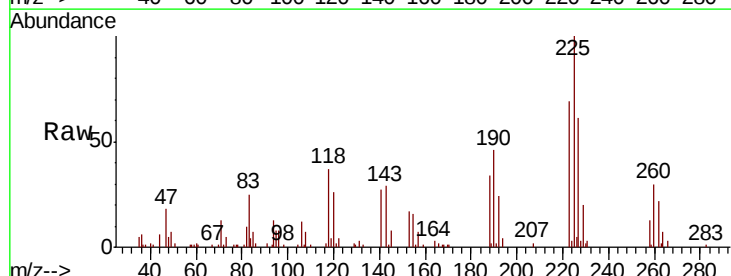
Ion 65.00 (64.70 to 65.70): BG

Ion 92.00 (91.70 to 92.70): BG



#34
Hexachlorobutadiene
Concen: 6.355 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.8	51.2	76.8
227	61.0	52.3	78.5

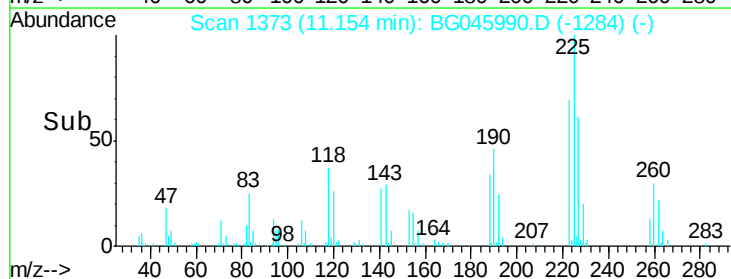
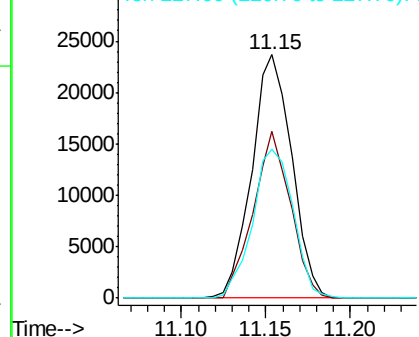


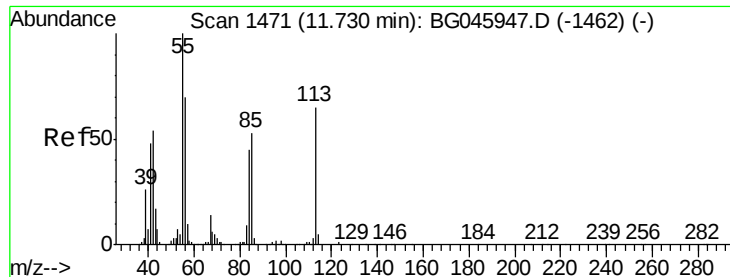
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 6.207 ng

RT: 11.69 min Scan# 1464

Delta R.T. -0.04 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

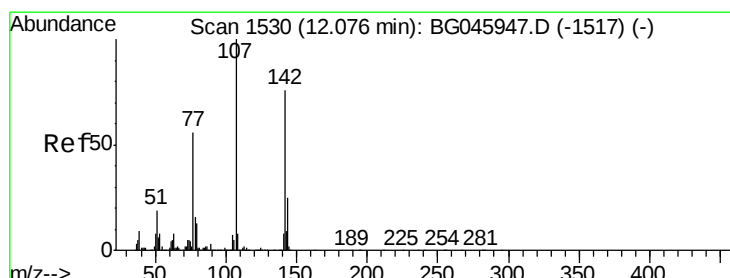
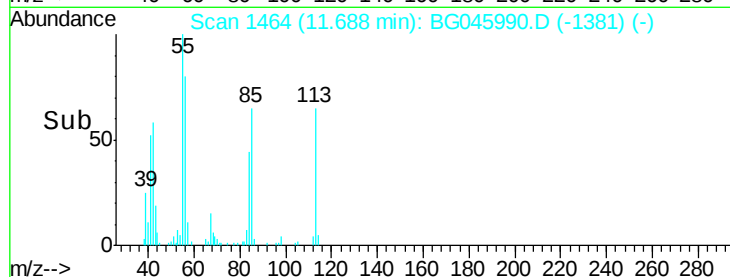
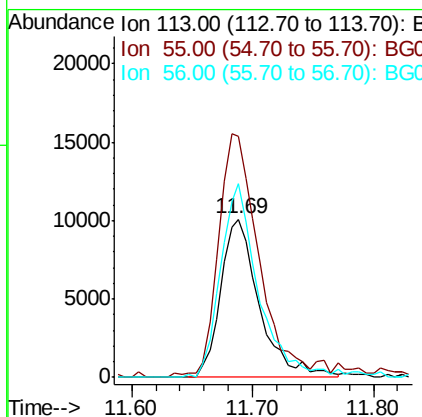
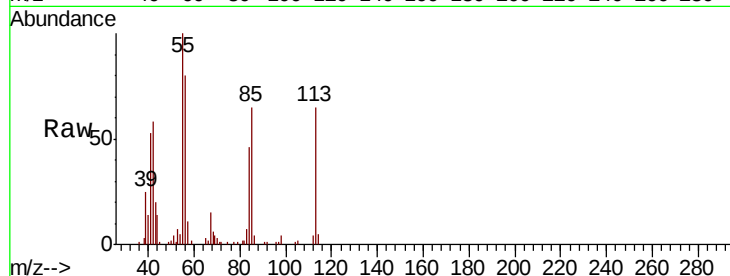
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	113	Resp:	22290
Ion	Ratio	Lower	Upper
113	100		
55	152.8	141.6	181.6
56	122.1	89.6	129.6

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#36

4-Chloro-3-methylphenol

Concen: 6.535 ng

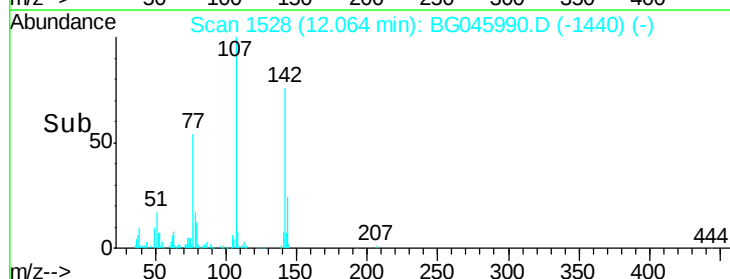
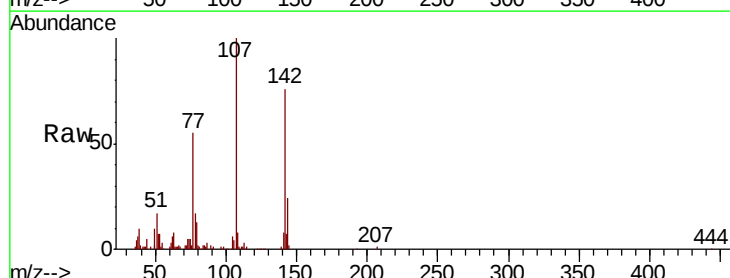
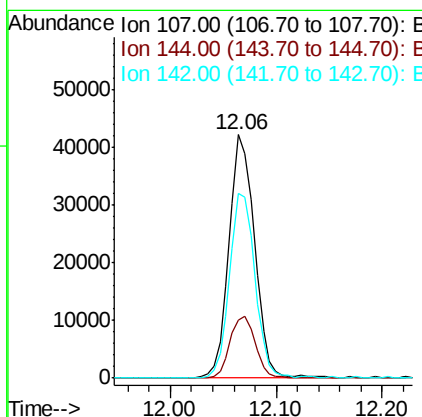
RT: 12.06 min Scan# 1528

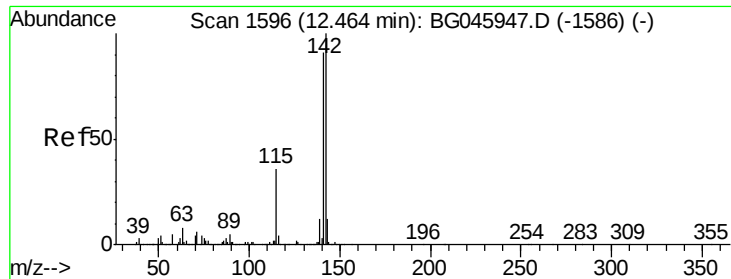
Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion:	107	Resp:	70407
Ion	Ratio	Lower	Upper
107	100		
144	23.6	20.0	30.0
142	75.6	61.1	91.7





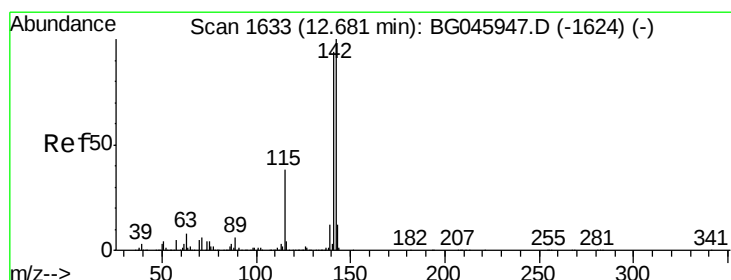
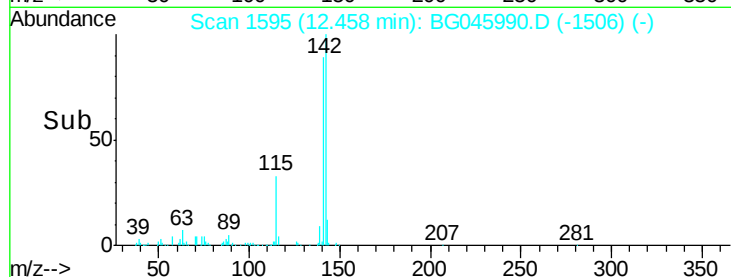
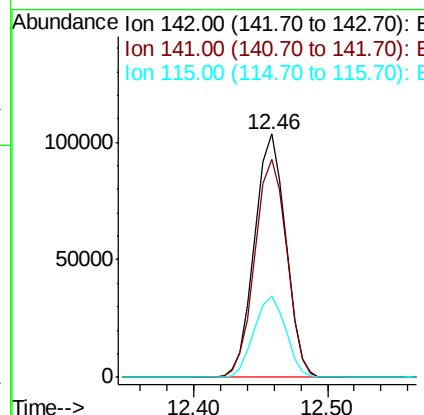
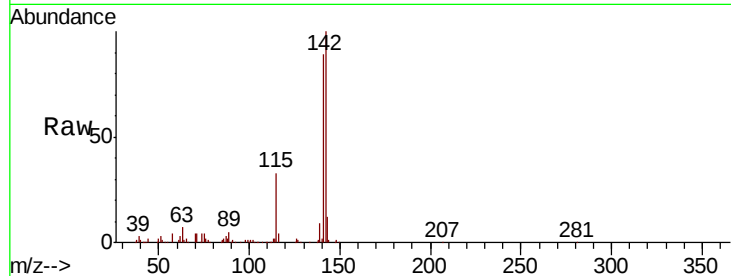
#37
2-Methylnaphthalene
Concen: 7.245 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	73.0	109.6
115	33.1	28.8	43.2

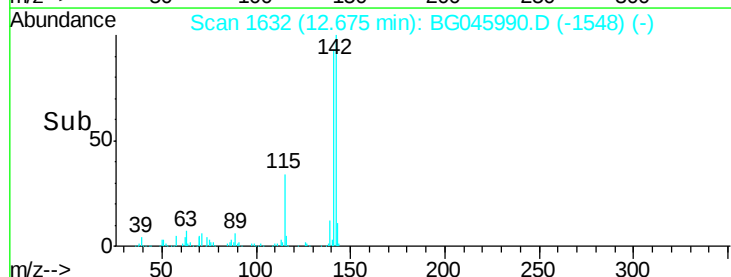
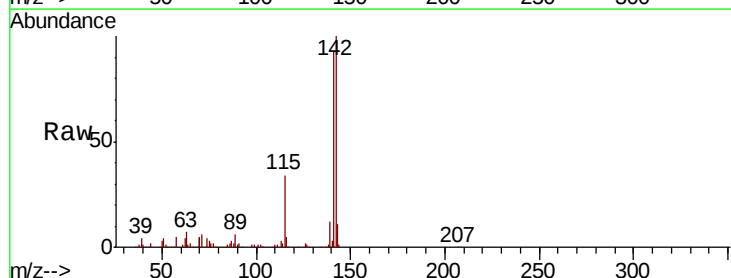
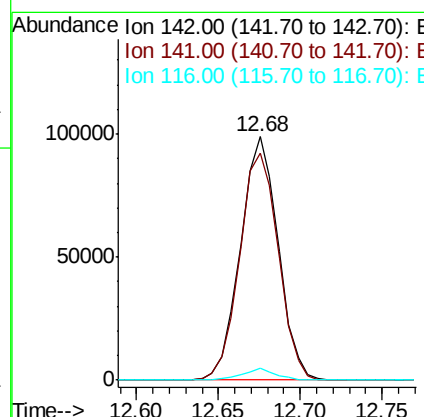
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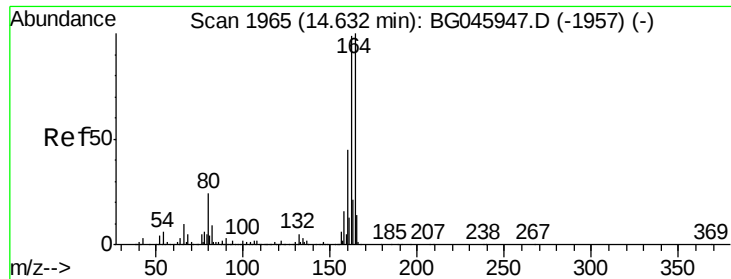
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#38
1-Methylnaphthalene
Concen: 7.291 ng m
RT: 12.68 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	75.2	112.8
116	4.9	3.1	4.7#





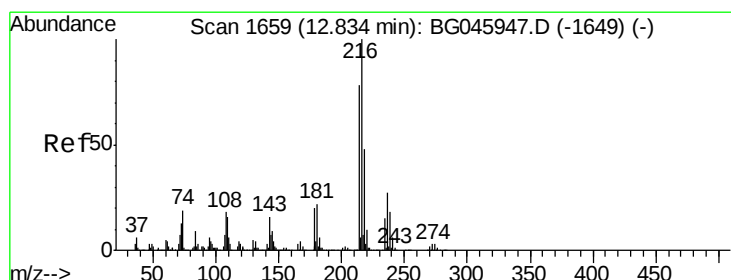
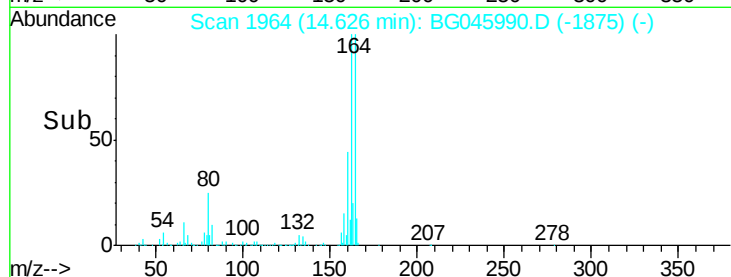
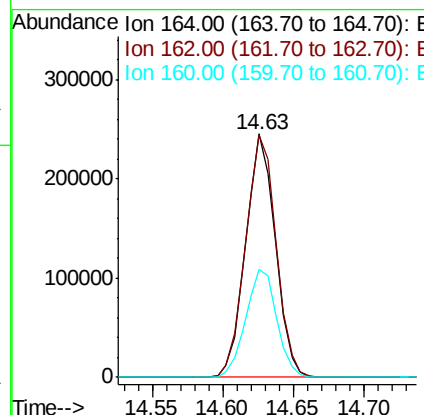
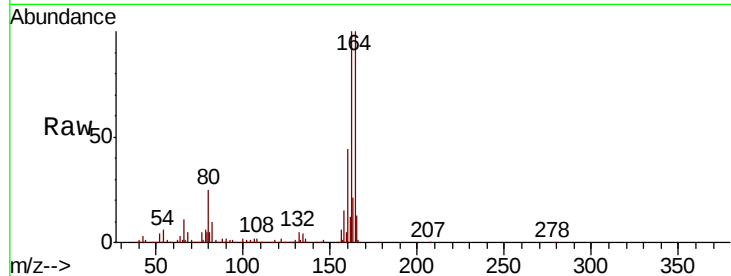
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.5	79.3	118.9	
160	44.2	35.7	53.5	

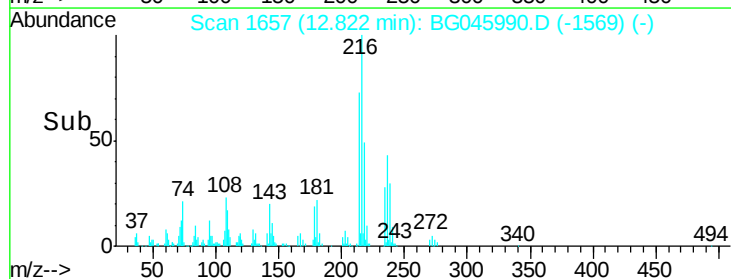
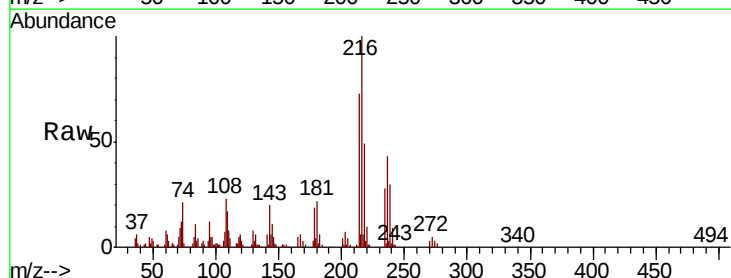
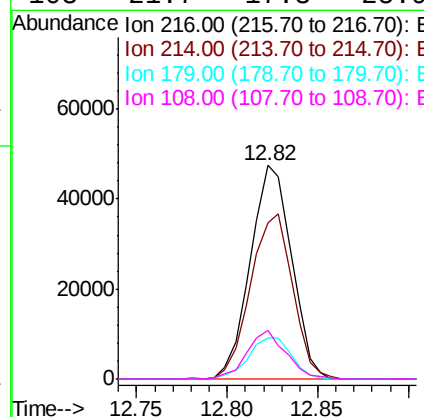
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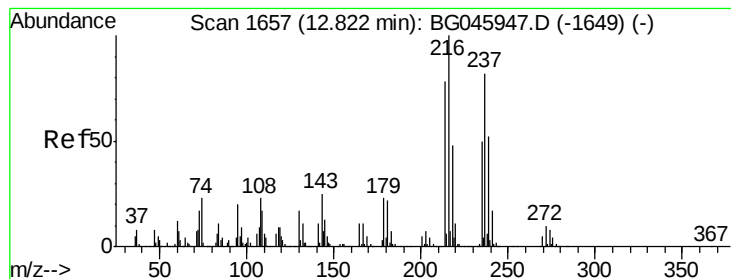
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.374 ng
RT: 12.82 min Scan# 1657
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.8	63.0	94.4	
179	20.2	17.0	25.6	
108	21.7	17.3	25.9	





#41

Hexachlorocyclopentadiene

Concen: 6.545 ng

RT: 12.82 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

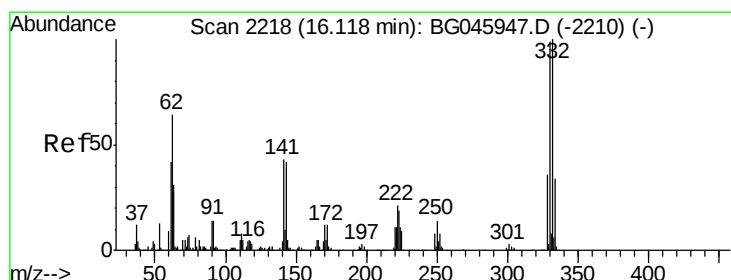
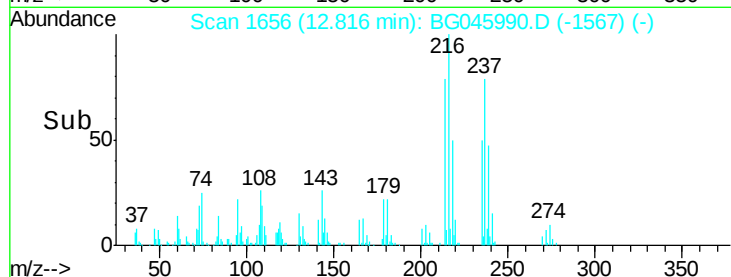
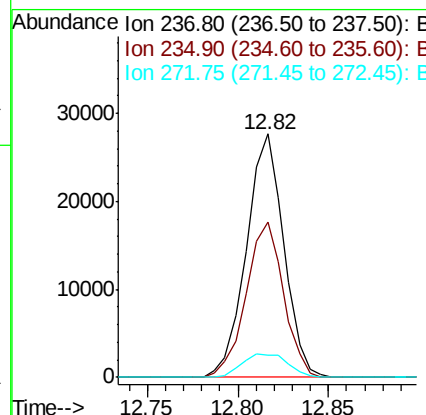
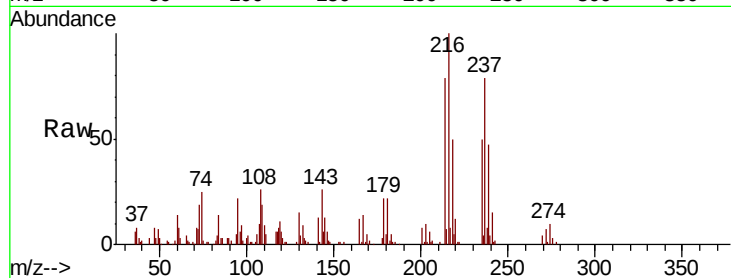
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	237	Resp:	39579
Ion Ratio	Lower	Upper	
237	100		
235	63.6	41.5	81.5
272	9.2	0.0	31.7

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#42

2,4,6-Tribromophenol

Concen: 93.565 ng

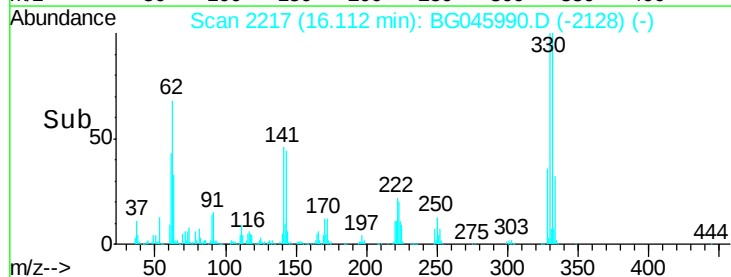
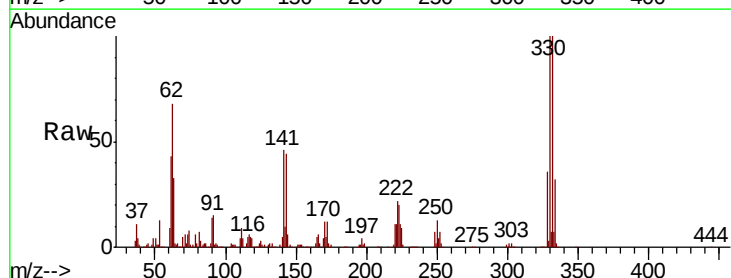
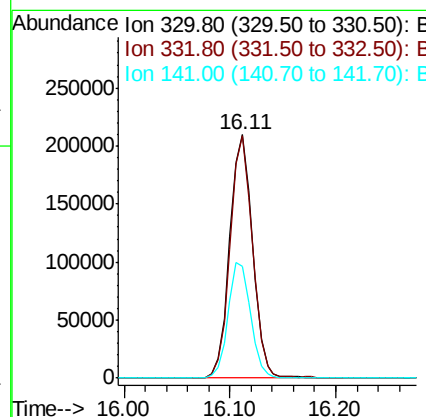
RT: 16.11 min Scan# 2217

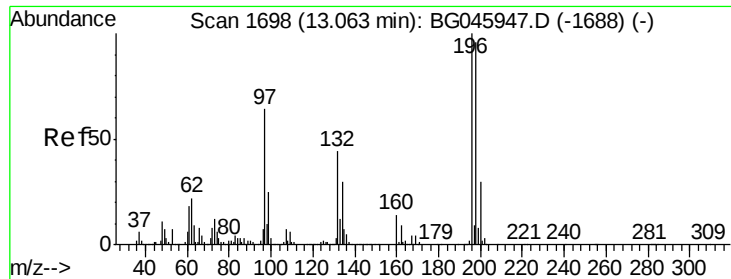
Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion:	330	Resp:	313931
Ion Ratio	Lower	Upper	
330	100		
332	97.5	78.3	117.5
141	47.0	36.6	54.8





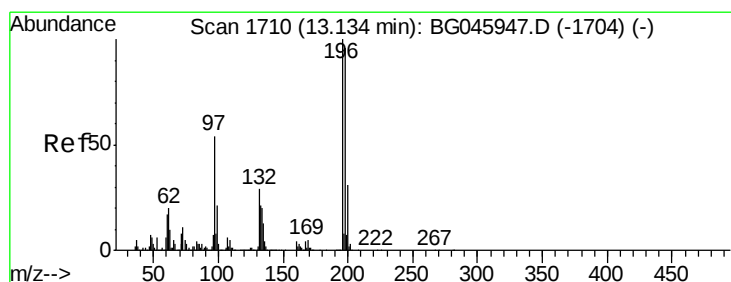
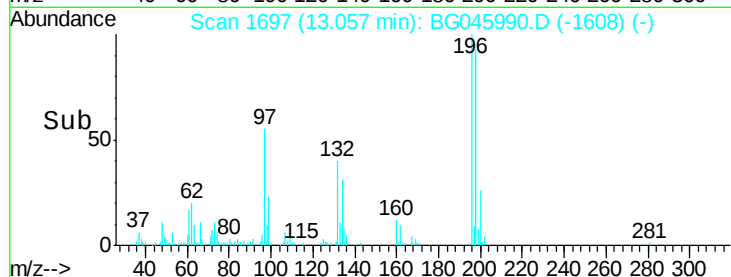
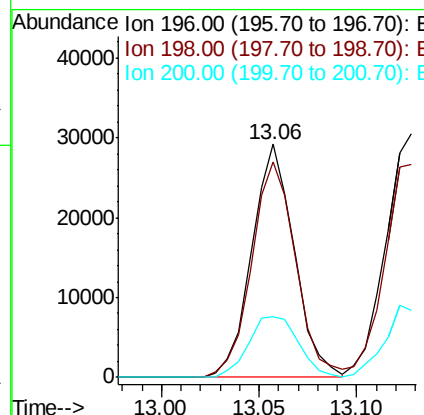
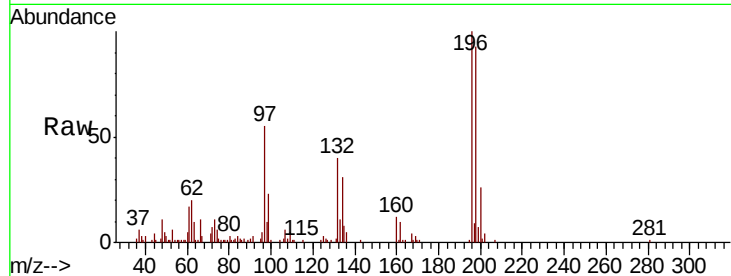
#43
 2,4,6-Trichlorophenol
 Concen: 6.370 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
196	100	43902		
198	92.6	76.7	115.1	
200	25.8	24.3	36.5	

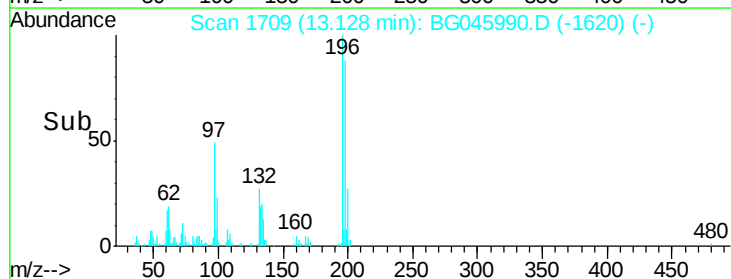
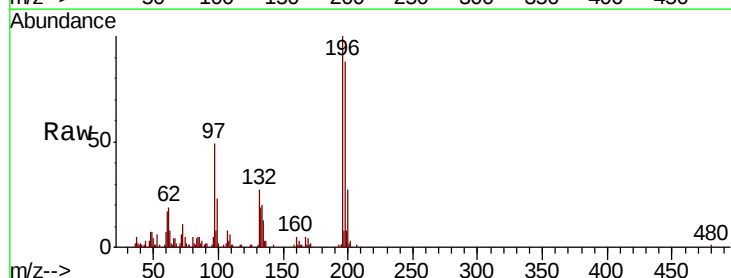
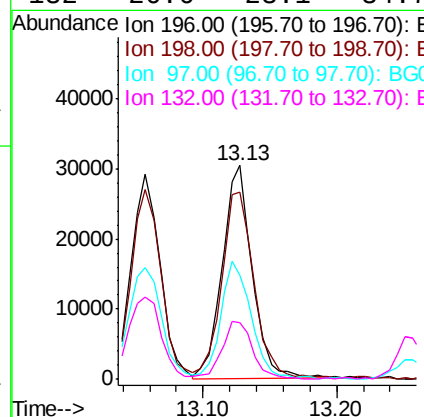
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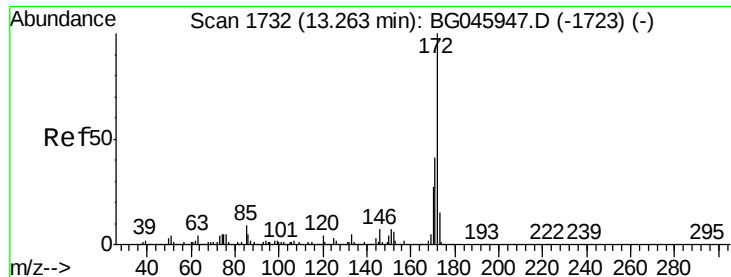
mohammad
 7/10/2020 11:47:00 AM



#44
 2,4,5-Trichlorophenol
 Concen: 6.134 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	47802		
198	87.7	77.0	115.6	
97	48.6	44.3	66.5	
132	26.6	23.1	34.7	





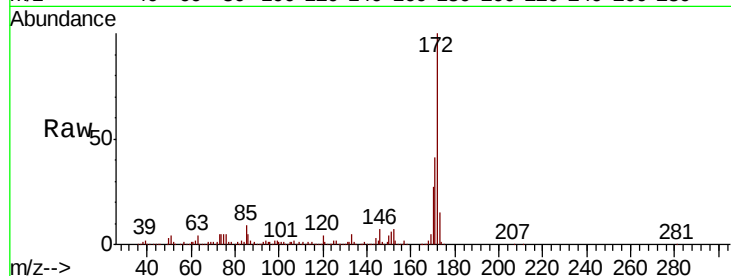
#45
2-Fluorobiphenyl
Concen: 73.575 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.6	32.9	49.3
170	27.3	21.8	32.6

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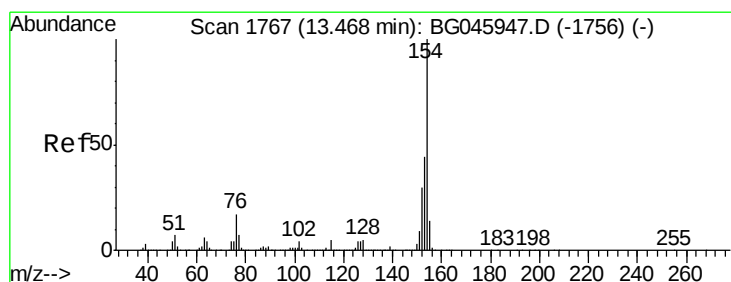
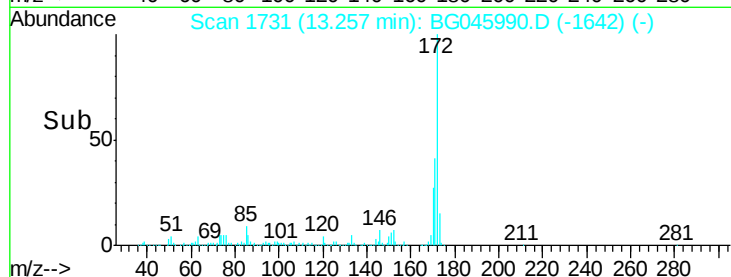
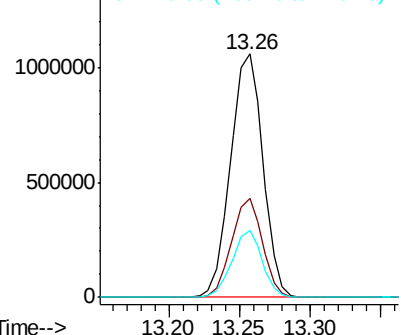


Abundance

Ion 172.00 (171.70 to 172.70): E

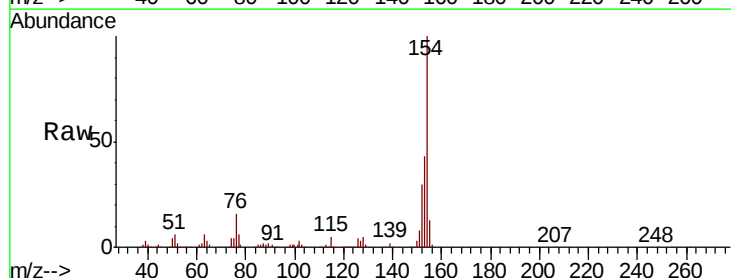
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 7.848 ng
RT: 13.46 min Scan# 1766
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.8	23.6	63.6
76	15.5	0.0	36.9

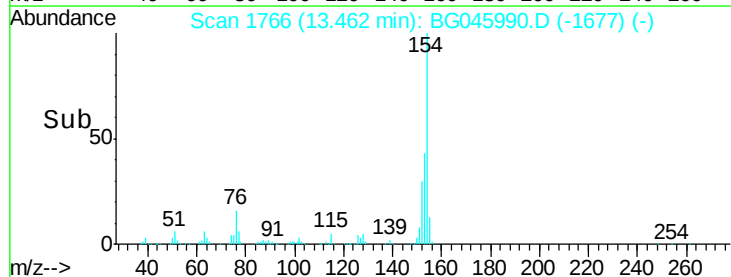
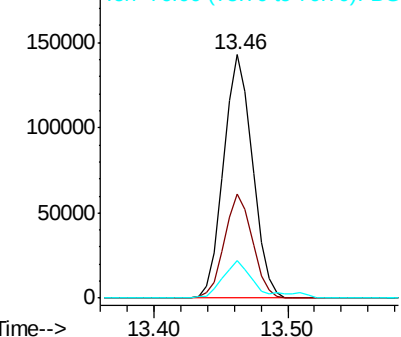


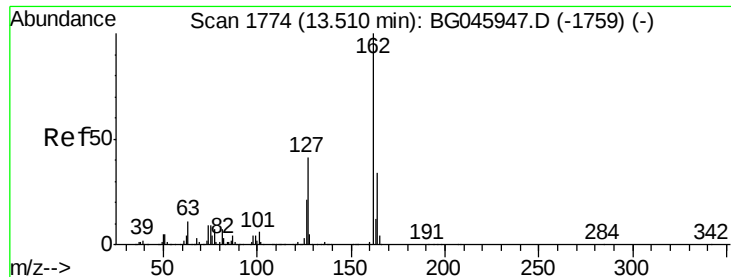
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG





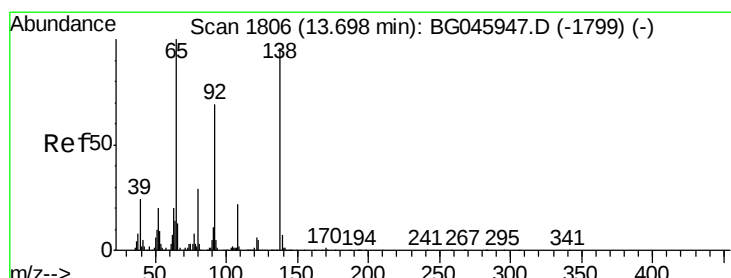
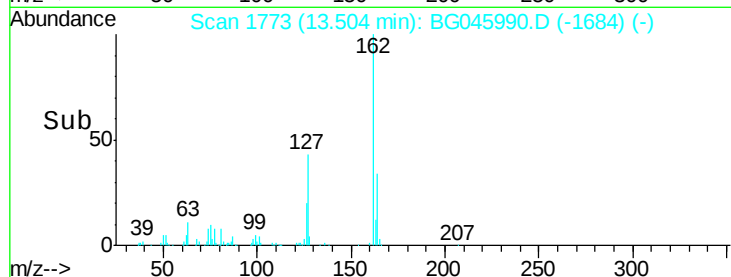
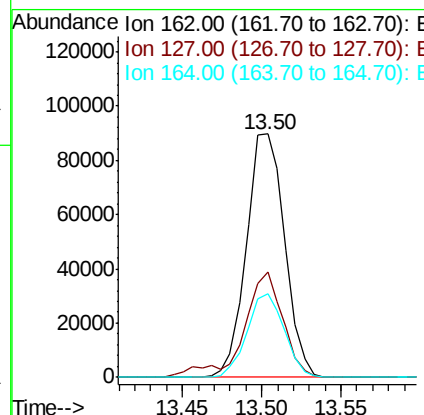
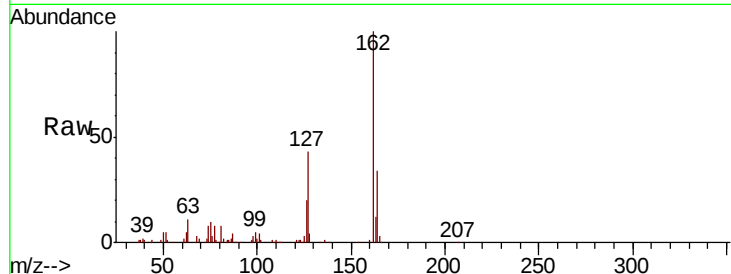
#47
2-Chloronaphthalene
Concen: 6.995 ng
RT: 13.50 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	43.3	32.5	48.7
164	34.2	27.2	40.8

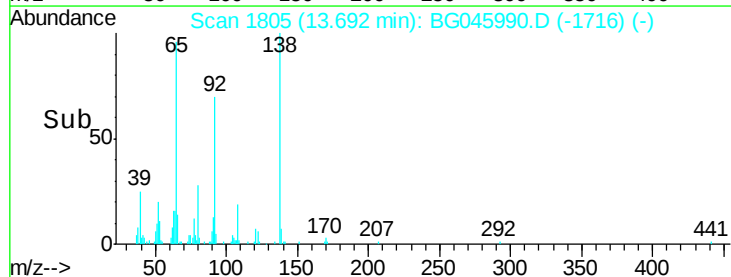
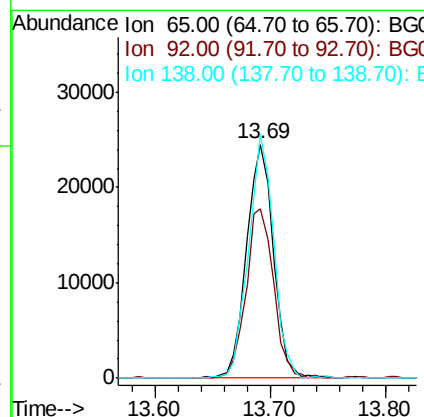
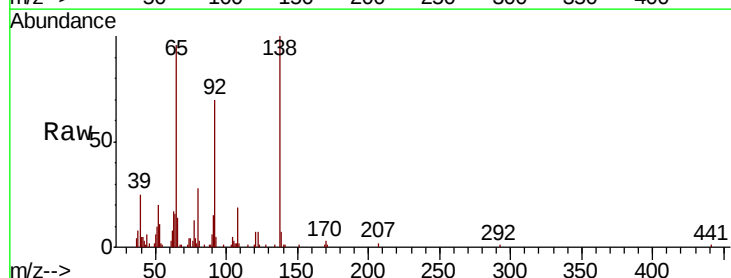
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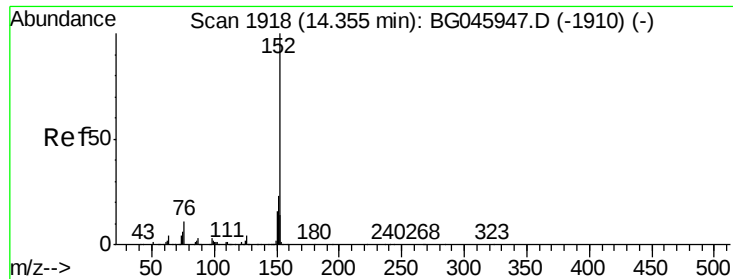
mohammad
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#48
2-Nitroaniline
Concen: 7.893 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.5	55.4	83.0
138	104.1	77.0	115.4





#49

Acenaphthylene

Concen: 7.323 ng

RT: 14.34 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

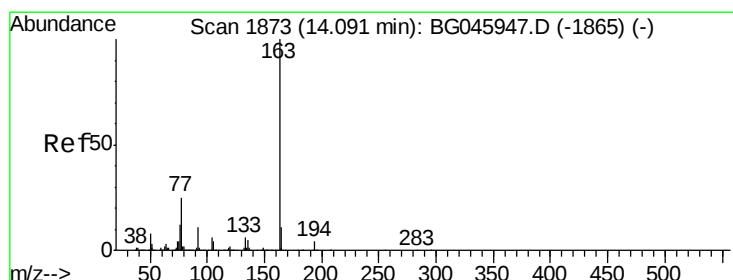
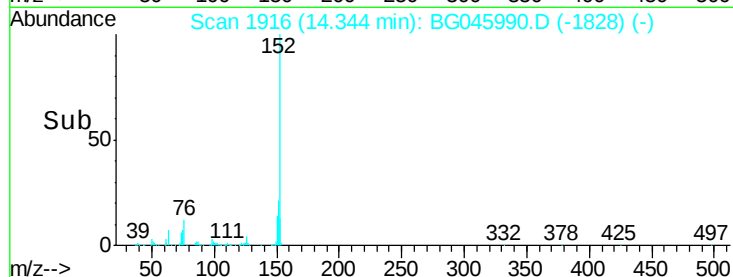
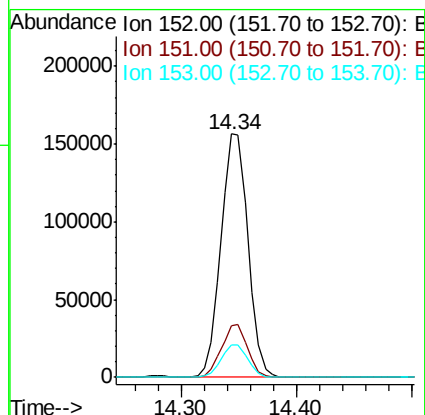
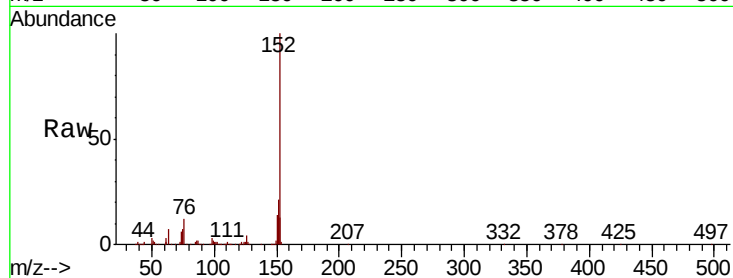
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	152	Resp:	253510
Ion Ratio	Lower	Upper	
152	100		
151	21.2	18.1	27.1
153	13.2	11.5	17.3

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#50

Dimethylphthalate

Concen: 6.917 ng

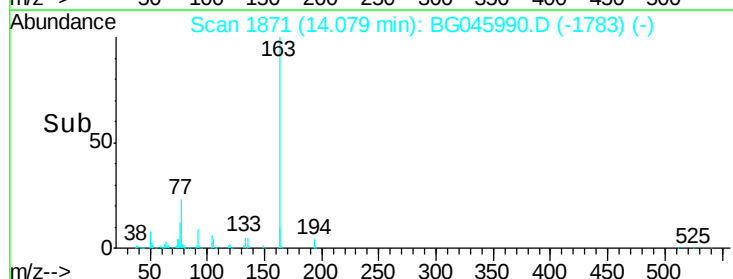
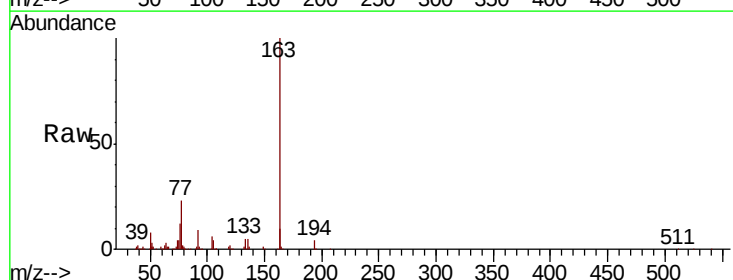
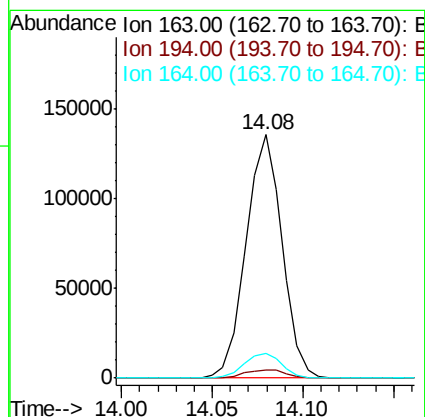
RT: 14.08 min Scan# 1871

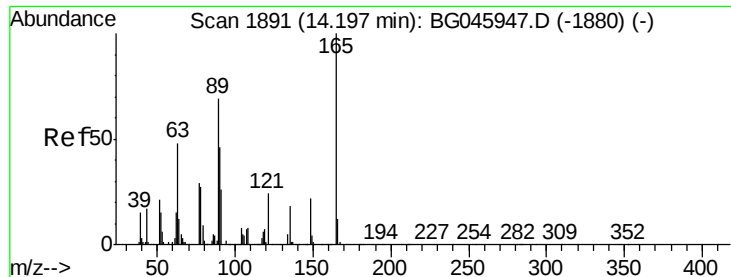
Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion:	163	Resp:	187664
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.6	5.4#
164	10.2	8.9	13.3





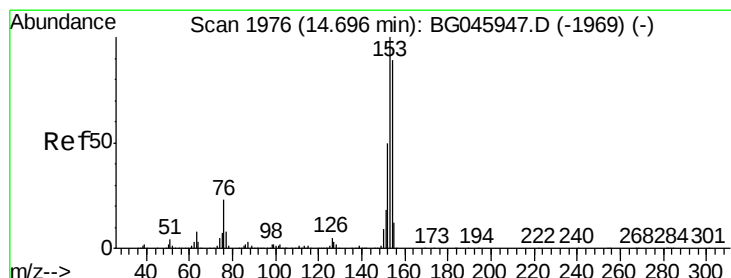
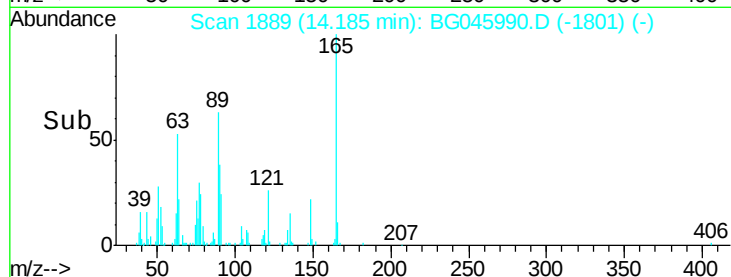
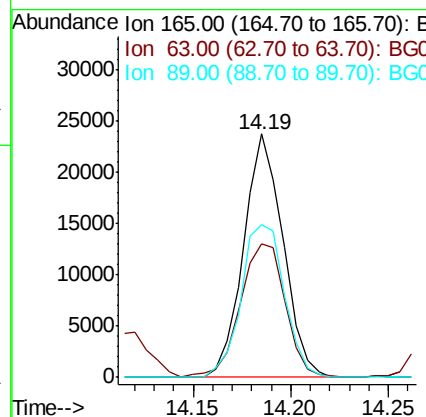
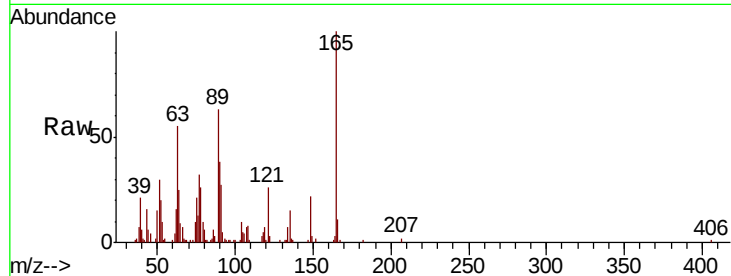
#51
2,6-Dinitrotoluene
Concen: 7.874 ng
RT: 14.19 min Scan# 1889
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	54.9	51.0	76.4
89	62.8	55.7	83.5

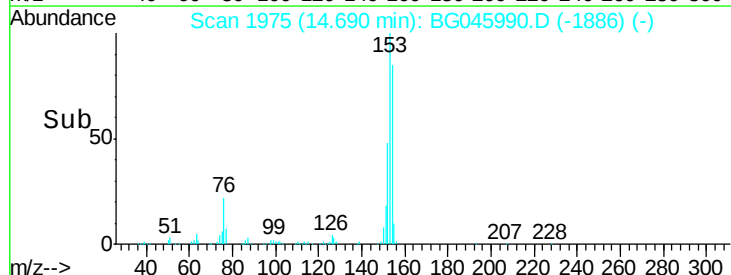
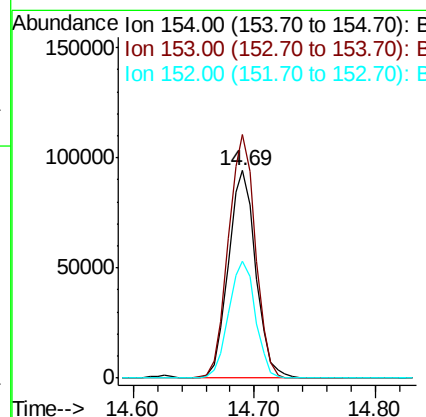
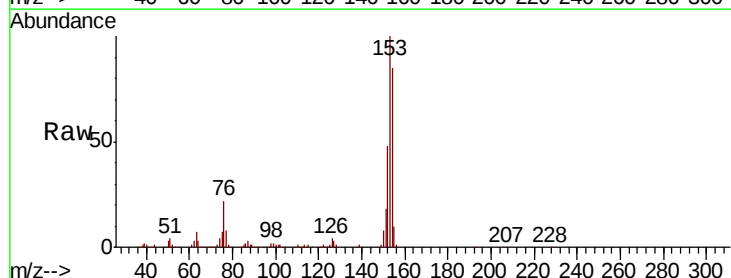
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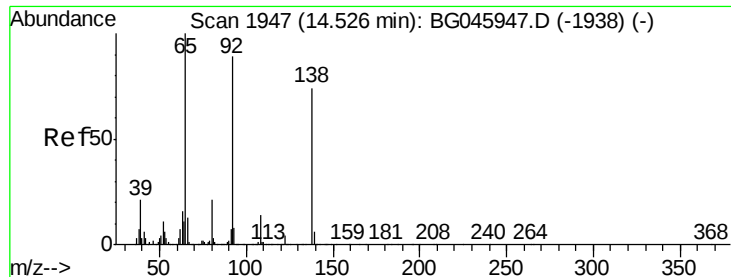
mohammad
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#52
Acenaphthene
Concen: 6.775 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.3	89.7	134.5
152	56.1	44.7	67.1





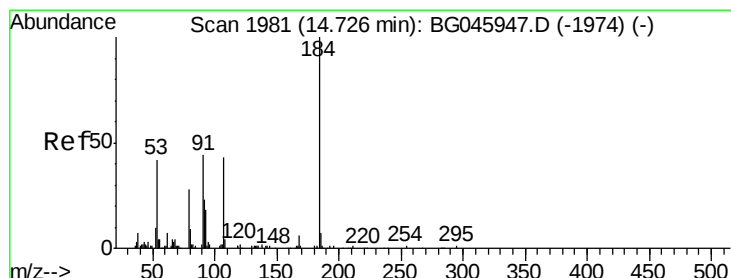
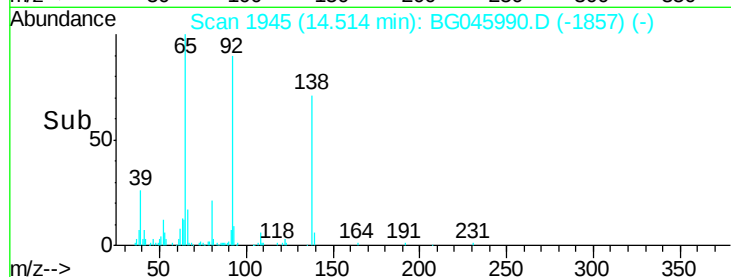
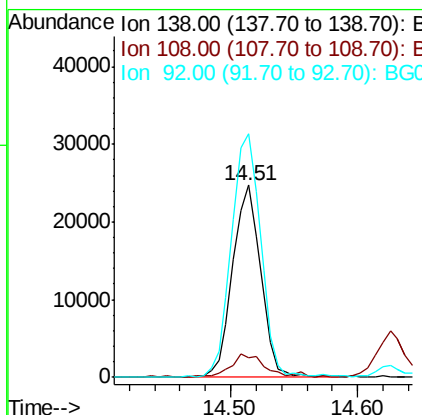
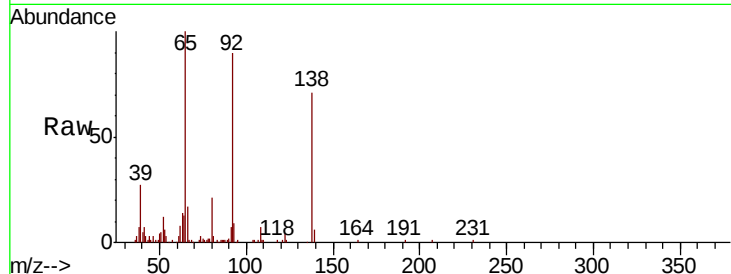
#53
3-Nitroaniline
Concen: 7.258 ng
RT: 14.51 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.1	15.4	23.2#
92	126.7	95.9	143.9

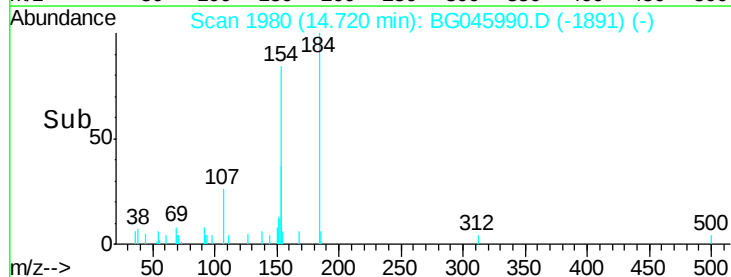
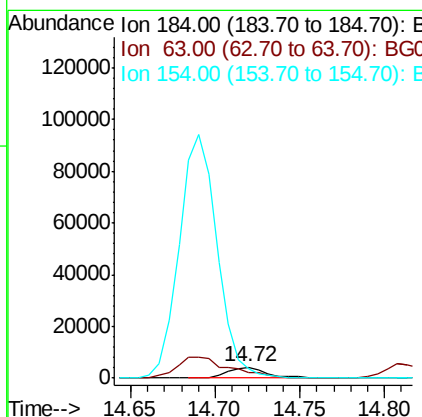
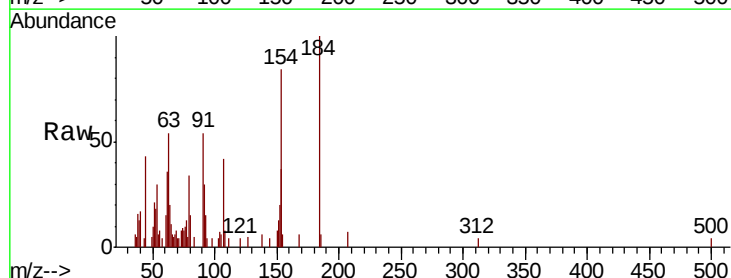
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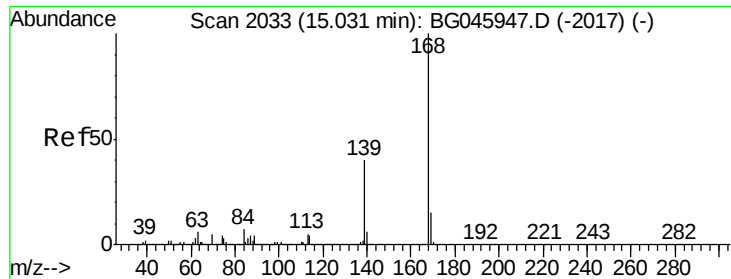
mohammad
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#54
2,4-Dinitrophenol
Concen: 4.525 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
184	100		
63	54.0	46.0	69.0
154	83.9	58.2	87.2





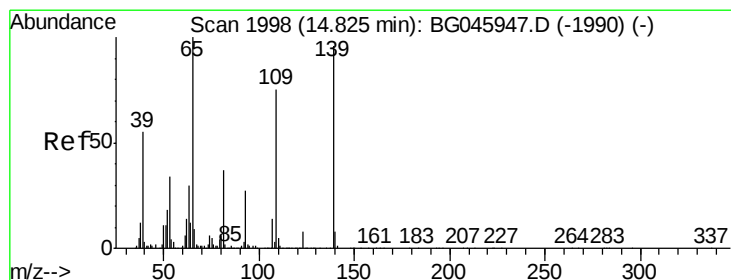
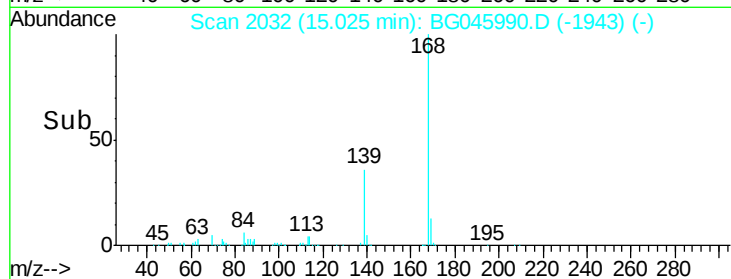
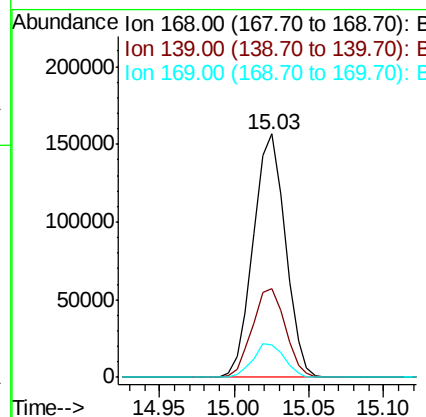
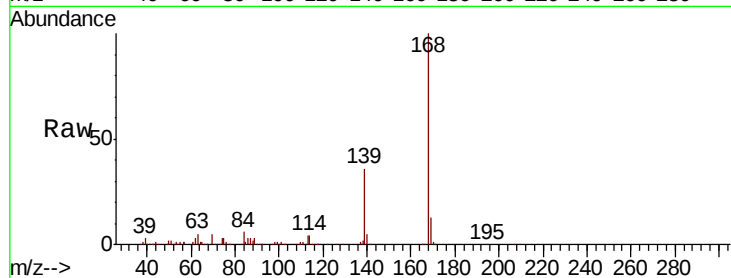
#55
Dibenzofuran
Concen: 7.281 ng
RT: 15.03 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.4	32.2	48.2
169	13.2	11.8	17.8

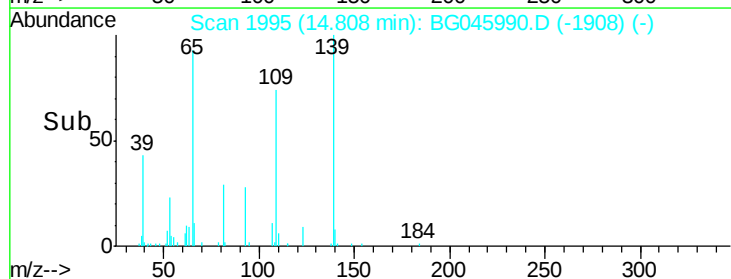
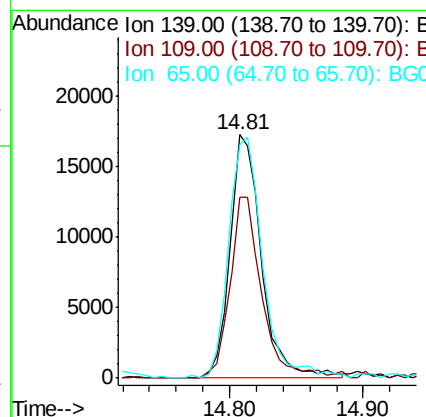
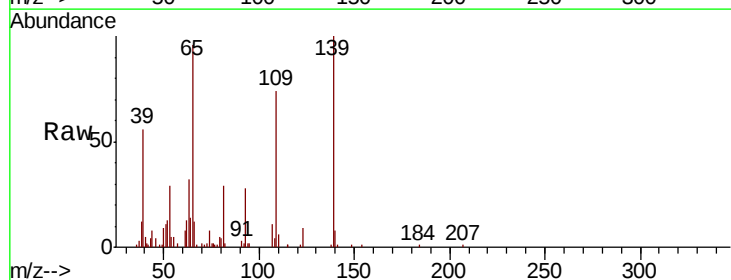
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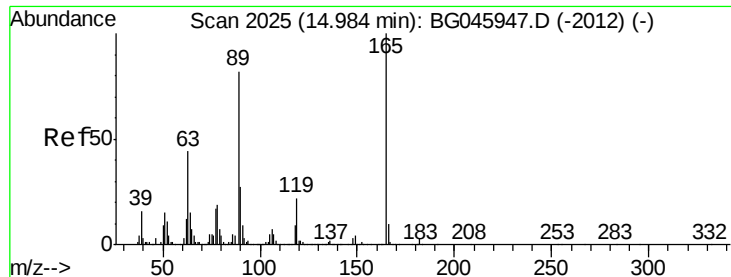
mohammad
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#56
4-Nitrophenol
Concen: 6.448 ng
RT: 14.81 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
139	100		
109	74.0	58.5	98.5
65	95.6	84.7	124.7





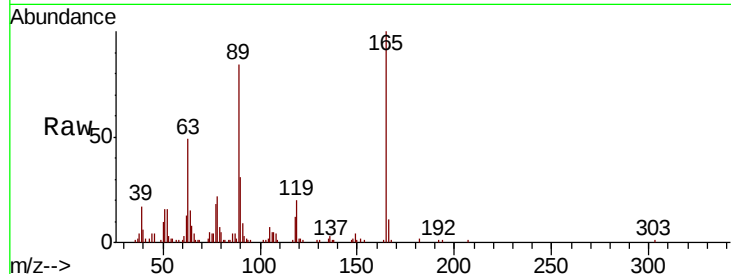
#57
2,4-Dinitrotoluene
Concen: 7.852 ng
RT: 14.97 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

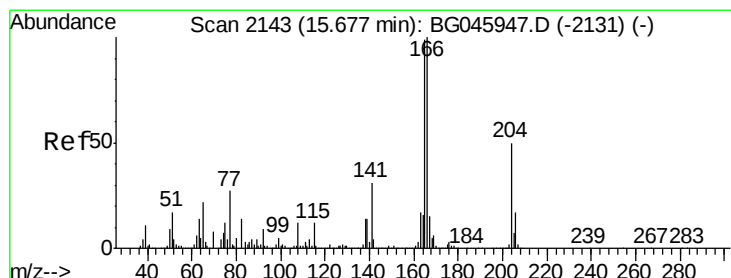
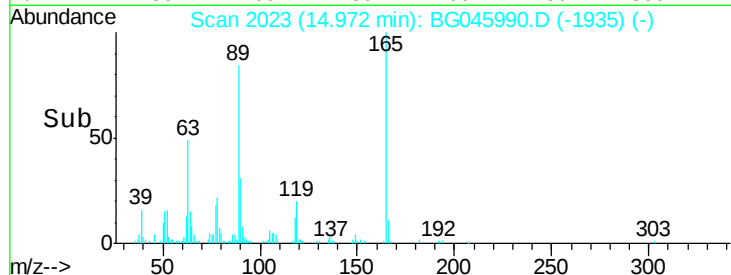
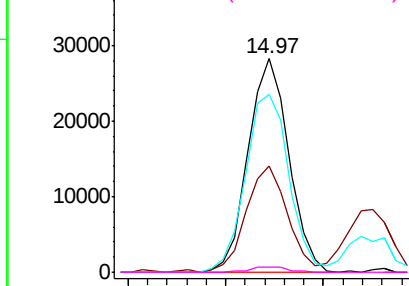
Tot Ion	Ratio	Lower	Upper
165	100		
63	49.5	35.4	53.0
89	83.6	65.4	98.2
182	2.2	2.0	3.0

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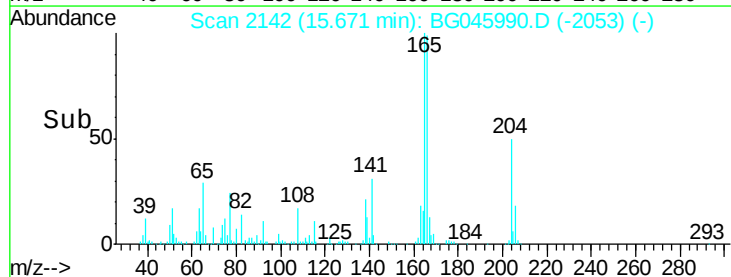
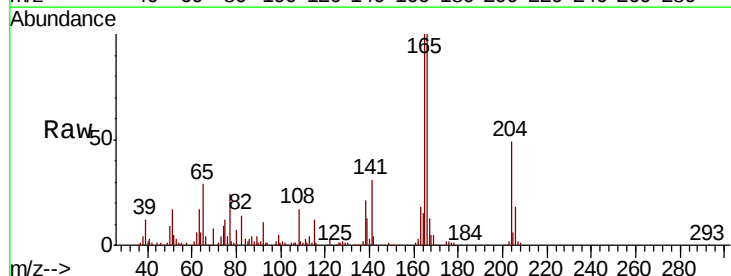
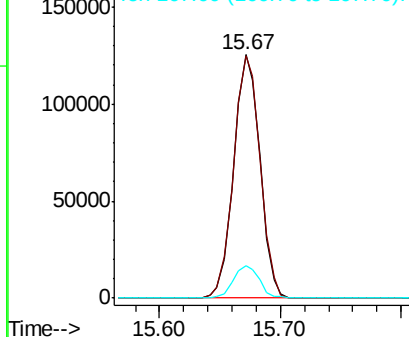
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

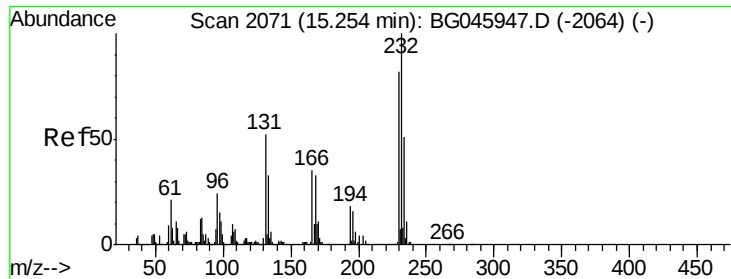


#58
Fluorene
Concen: 7.223 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.9	118.3
167	13.2	12.1	18.1

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





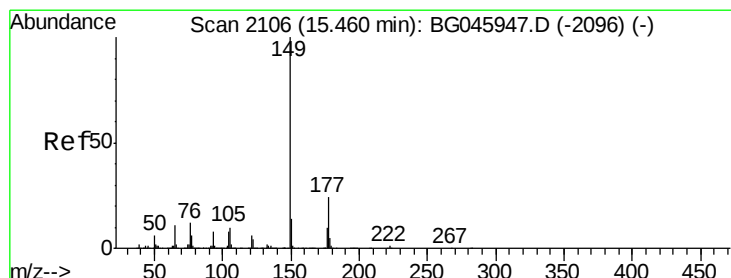
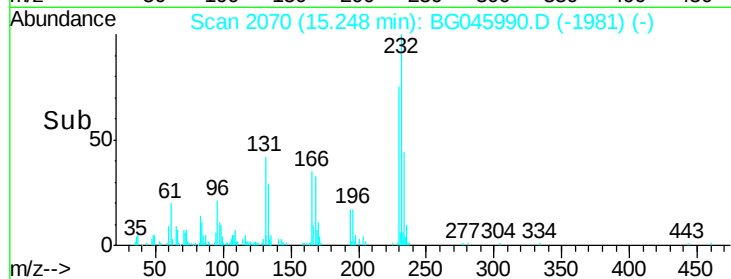
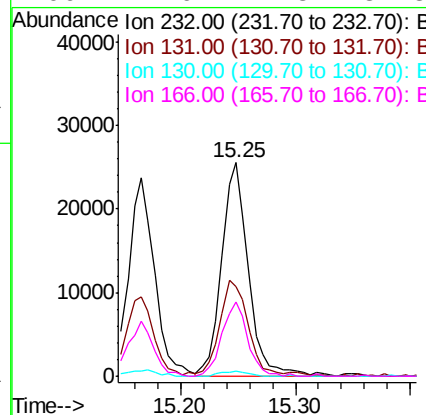
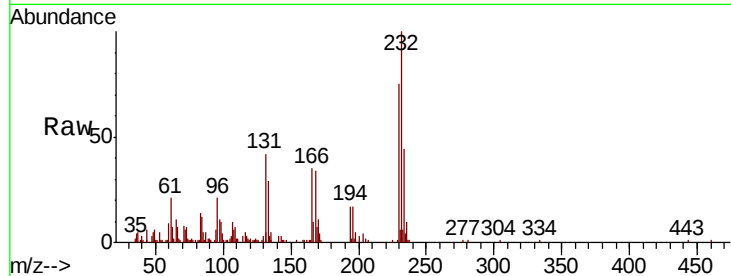
#59
2,3,4,6-Tetrachlorophenol
Concen: 6.865 ng
RT: 15.25 min Scan# 2070
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
232	100		
131	37.5	35.8	53.6
130	3.0	2.5	3.7
166	24.6	21.8	32.8

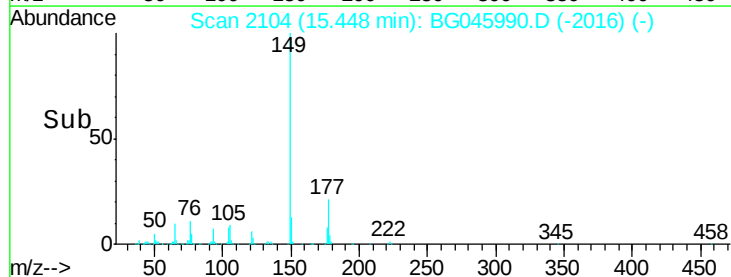
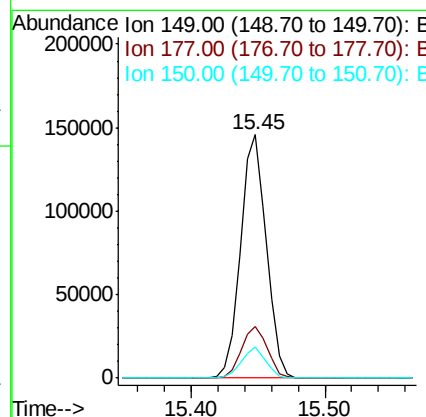
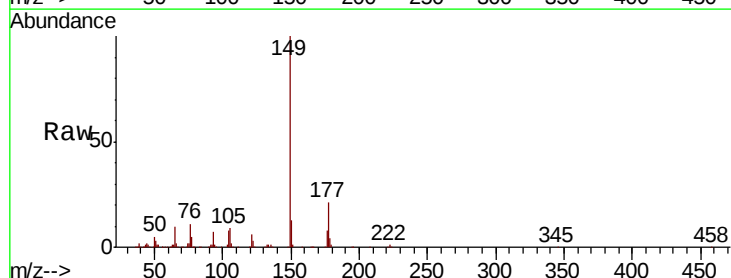
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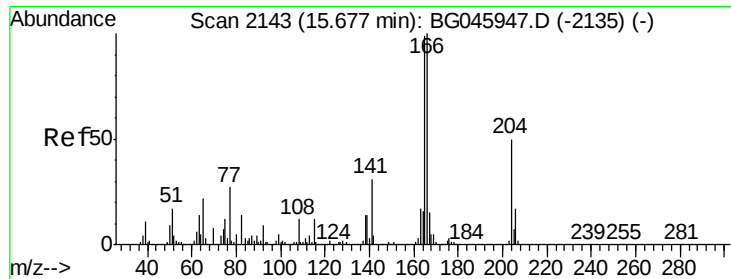
mohammad
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#60
Diethylphthalate
Concen: 6.816 ng
RT: 15.45 min Scan# 2104
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.5	19.0	28.4
150	12.7	11.0	16.4





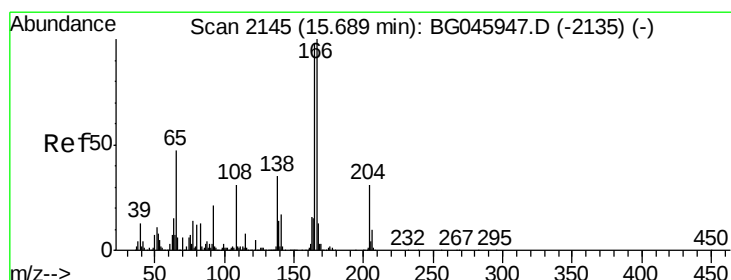
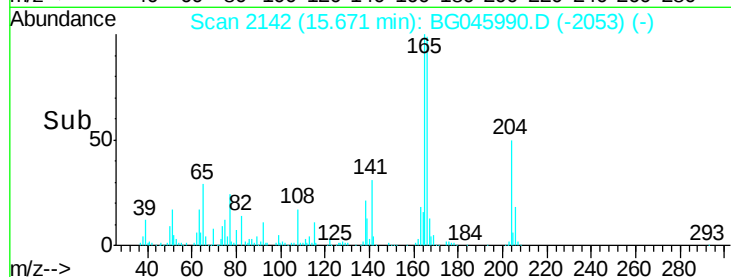
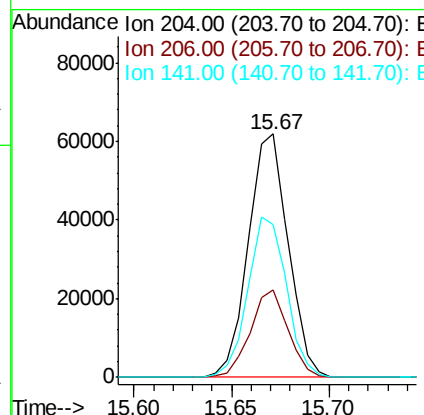
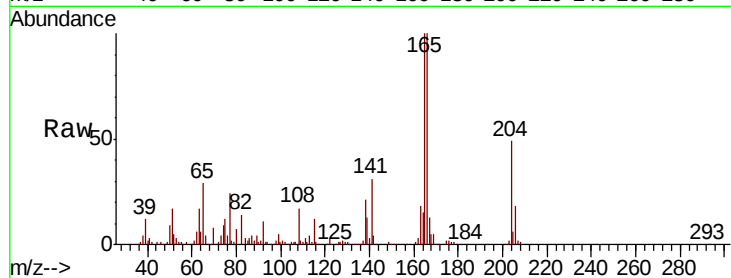
#61
4-Chlorophenyl-phenylether
Concen: 6.690 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	35.9	27.1	40.7
141	62.9	49.8	74.8

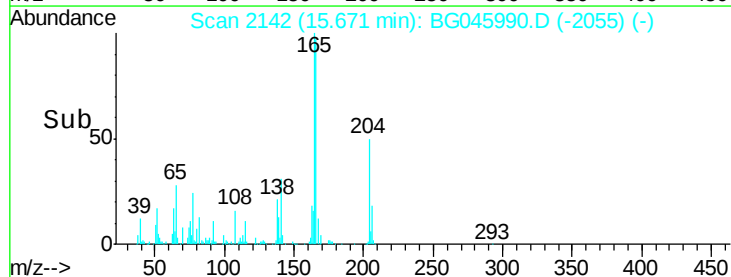
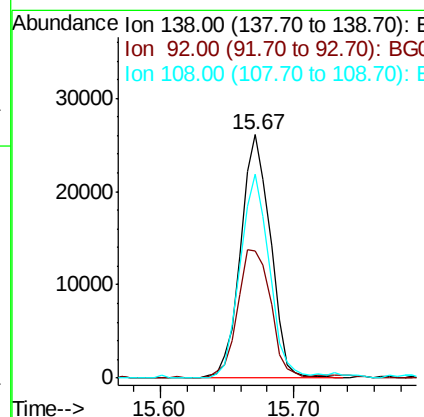
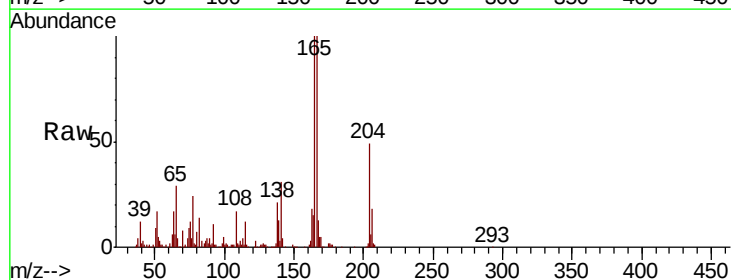
Manual Integrations
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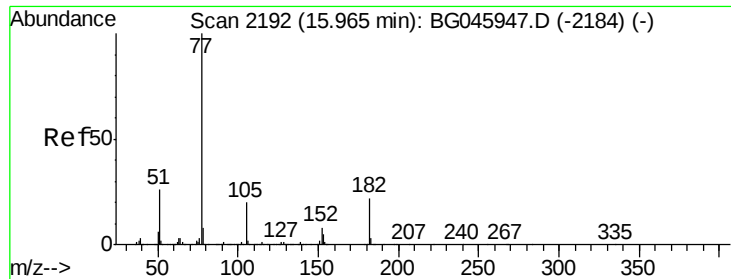
mohammad
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#62
4-Nitroaniline
Concen: 7.189 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.5	40.3	80.3
108	83.6	68.0	108.0





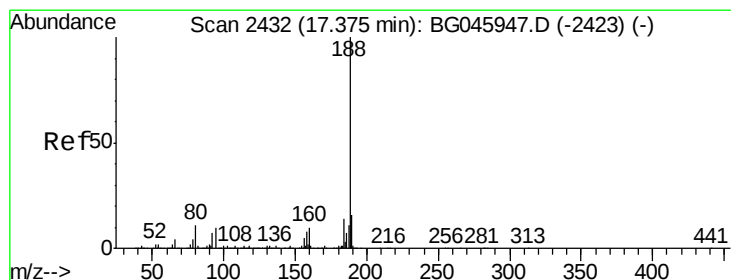
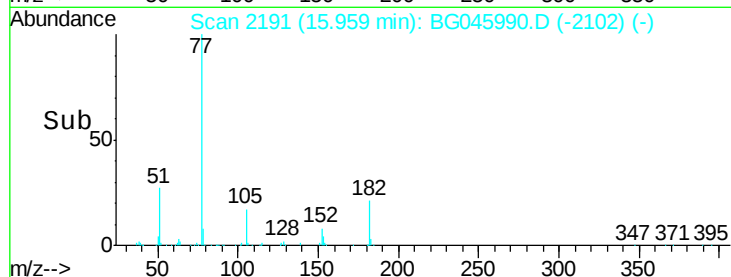
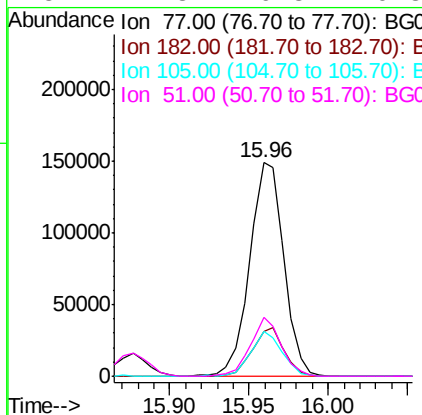
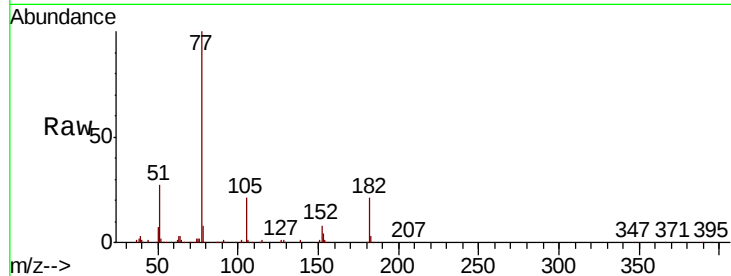
#63
Azobenzene
Concen: 7.251 ng
RT: 15.96 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	20.8		2.4	42.4	
105	21.2		0.3	40.3	
51	27.3		6.3	46.3	

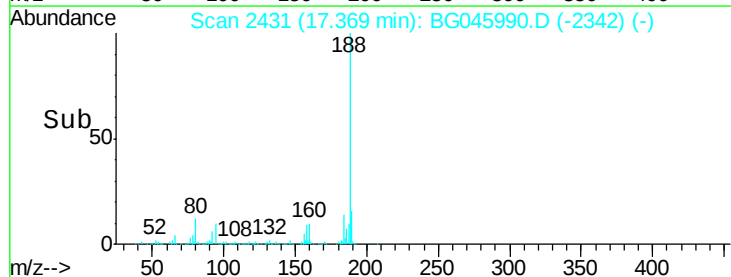
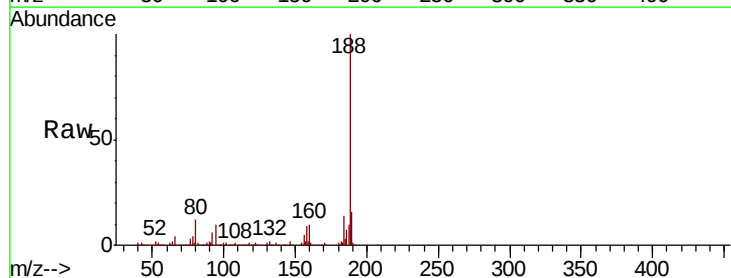
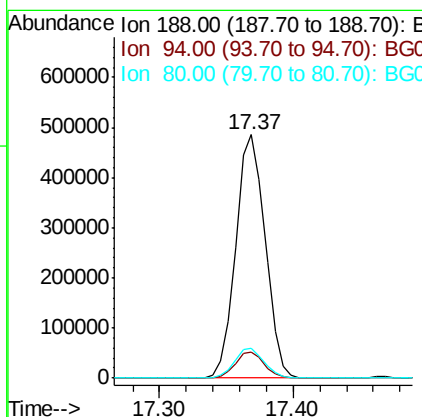
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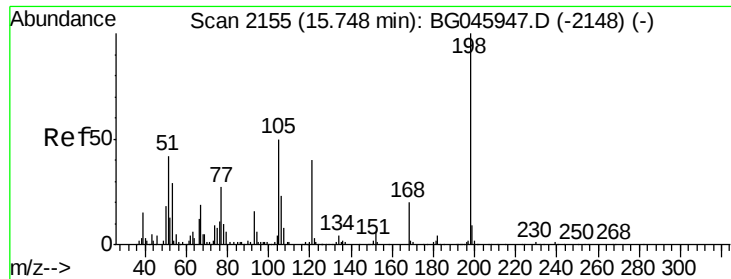
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	10.4		8.2	12.4	
80	12.0		9.0	13.6	





#65

4,6-Dinitro-2-methylphenol

Concen: 5.189 ng

RT: 15.74 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

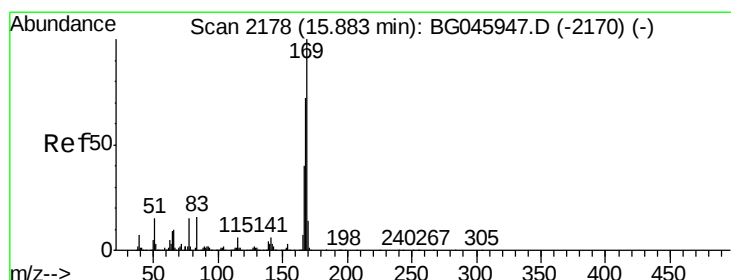
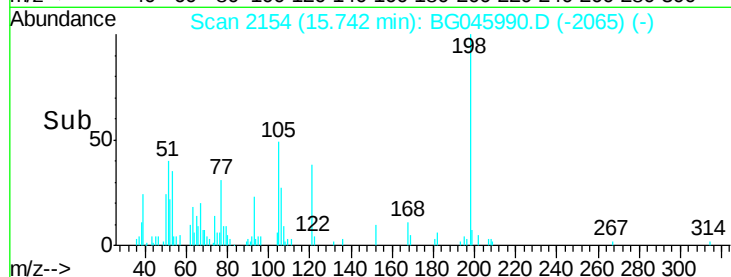
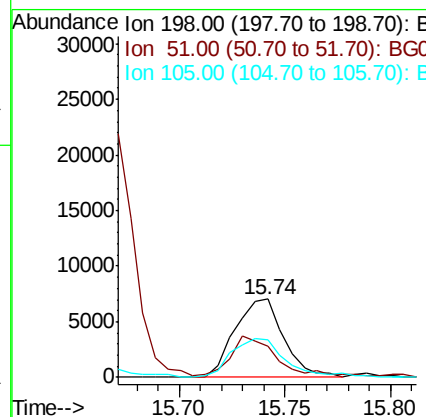
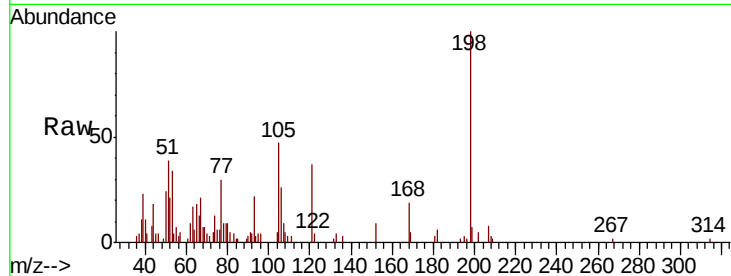
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	198	Resp:	11257
Ion Ratio	Lower	Upper	
198	100		
51	39.2	24.5	64.5
105	47.2	30.9	70.9

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#66

n-Nitrosodiphenylamine

Concen: 7.032 ng

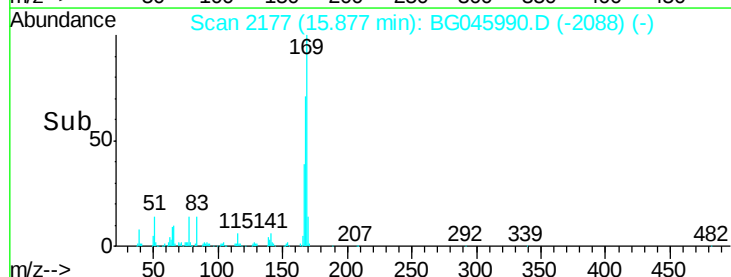
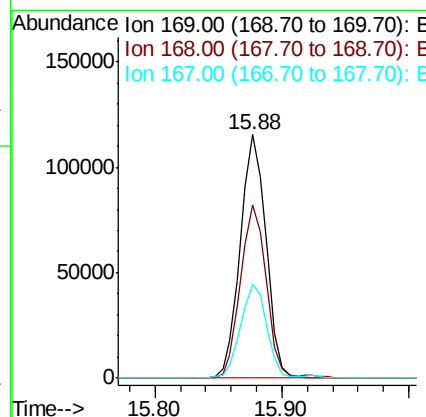
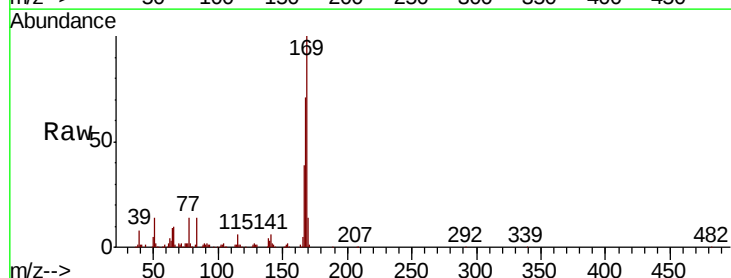
RT: 15.88 min Scan# 2177

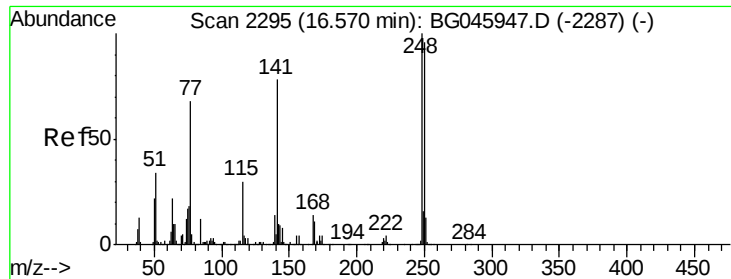
Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion:	169	Resp:	161417
Ion Ratio	Lower	Upper	
169	100		
168	70.9	57.3	85.9
167	38.6	32.1	48.1





#67

4-Bromophenyl-phenylether

Concen: 6.298 ng

RT: 16.56 min Scan# 2293

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

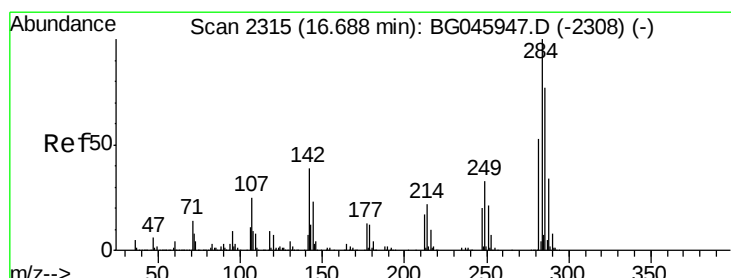
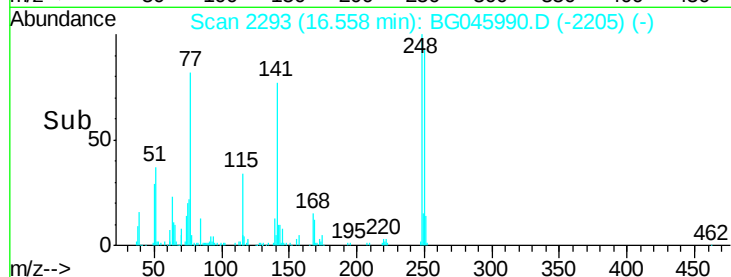
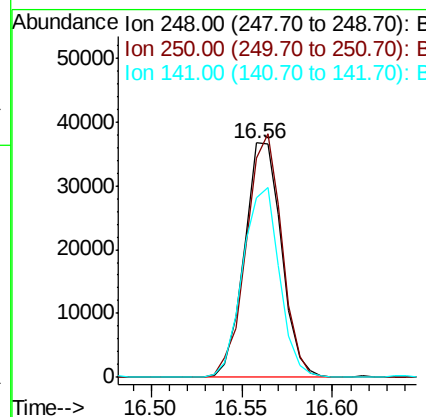
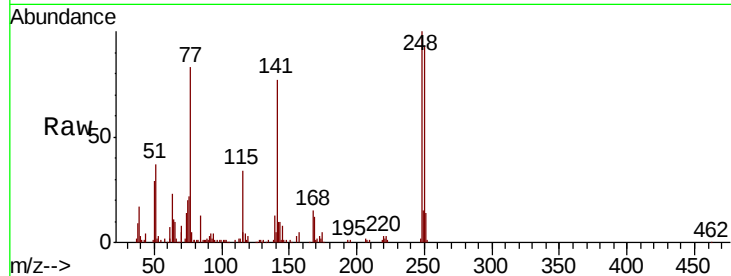
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	248	Resp:	52097
Ion Ratio	Lower	Upper	
248	100		
250	93.4	76.6	114.8
141	76.5	62.7	94.1

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#68

Hexachlorobenzene

Concen: 6.738 ng

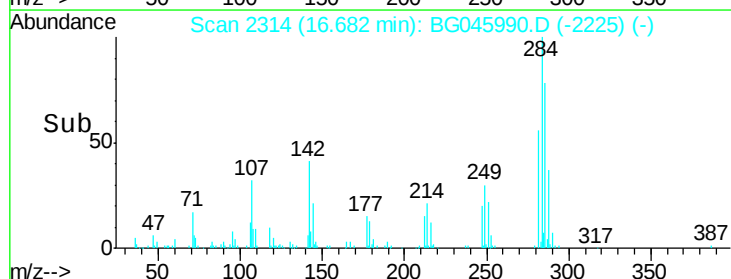
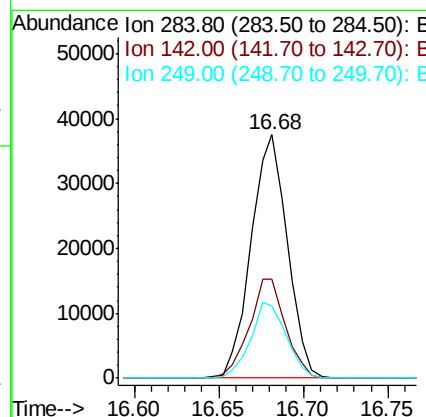
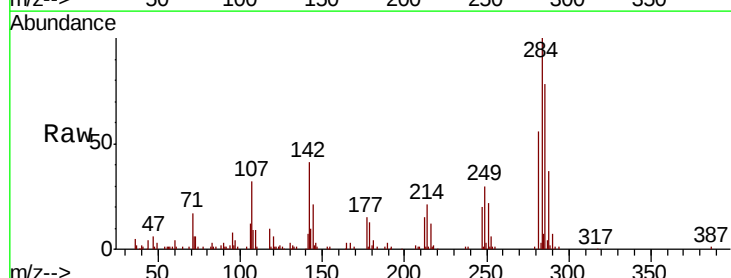
RT: 16.68 min Scan# 2314

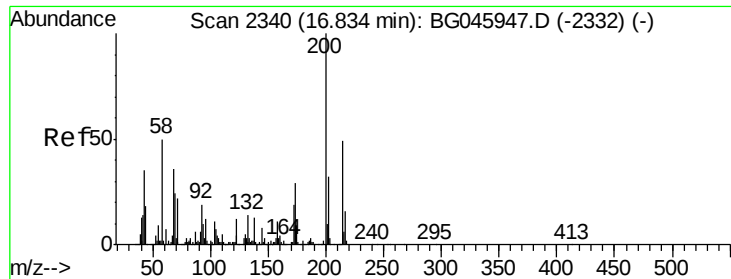
Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion:	284	Resp:	55934
Ion Ratio	Lower	Upper	
284	100		
142	40.6	31.3	46.9
249	29.7	26.8	40.2





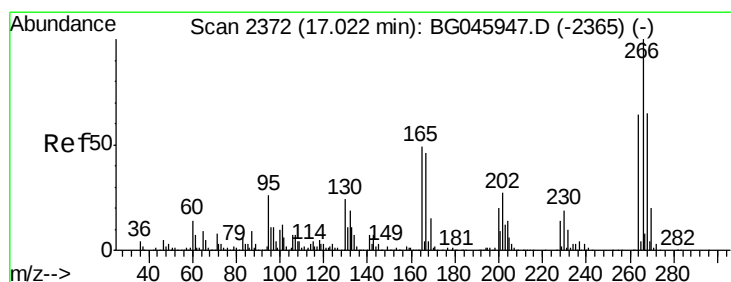
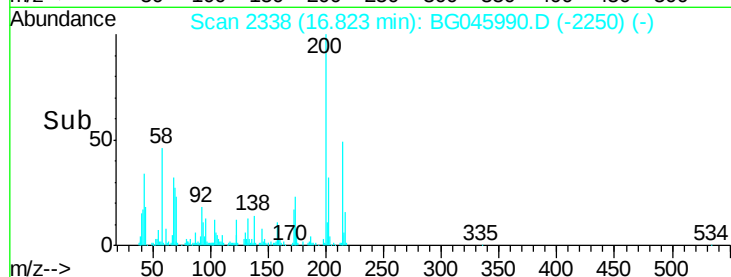
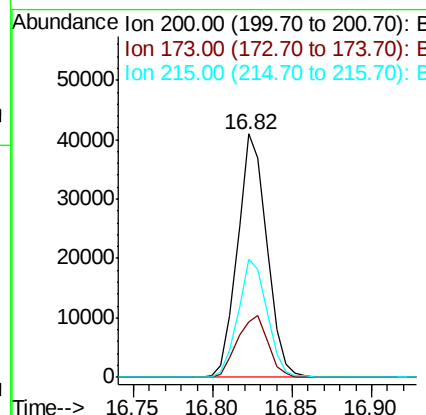
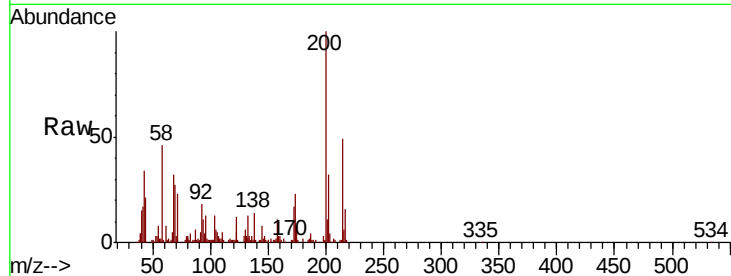
#69
Atrazine
Concen: 7.710 ng
RT: 16.82 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	22.8	9.1	49.1
215	48.7	28.8	68.8

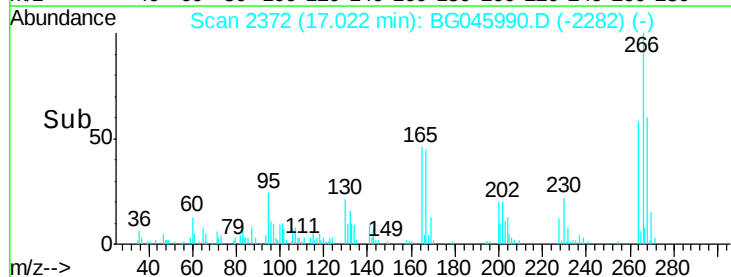
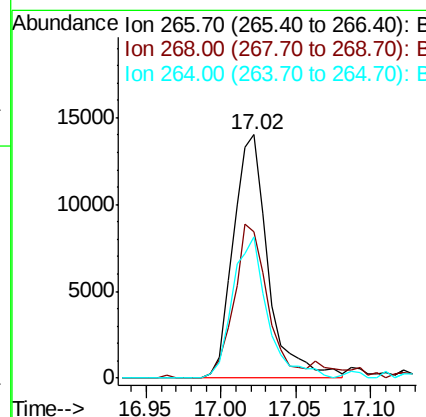
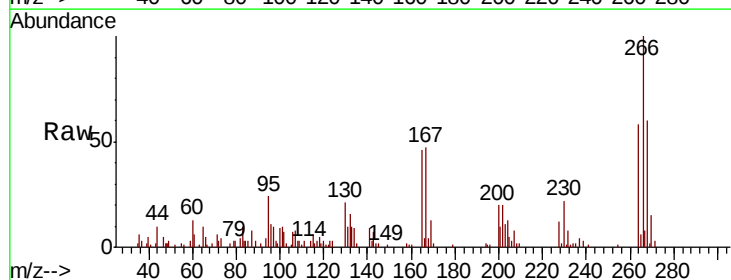
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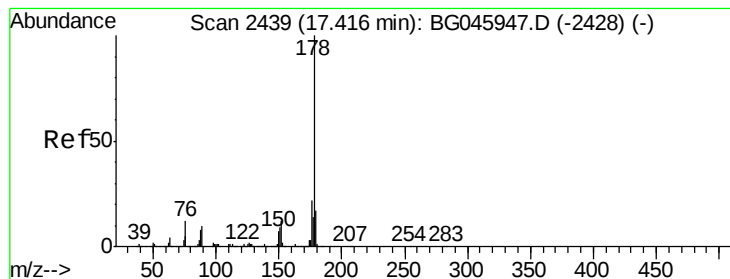
mohammad
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#70
Pentachlorophenol
Concen: 4.971 ng
RT: 17.02 min Scan# 2372
Delta R.T. -0.00 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
266	100		
268	59.9	51.8	77.8
264	58.0	51.4	77.0





#71

Phenanthrene

Concen: 7.307 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

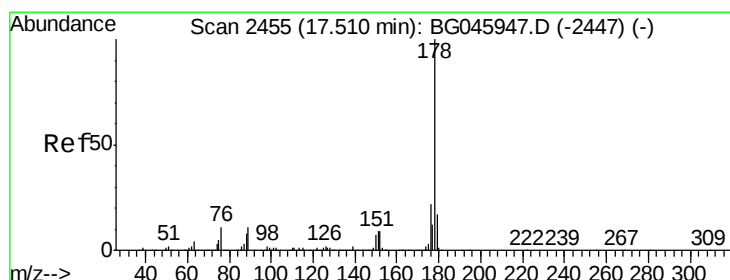
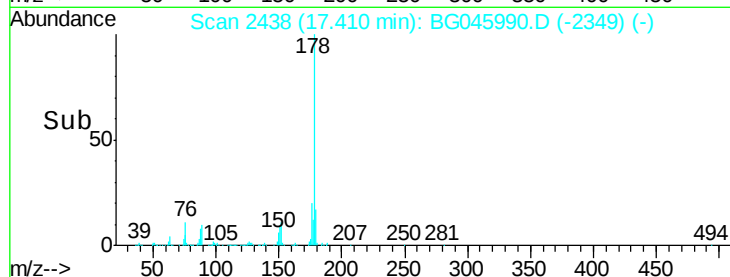
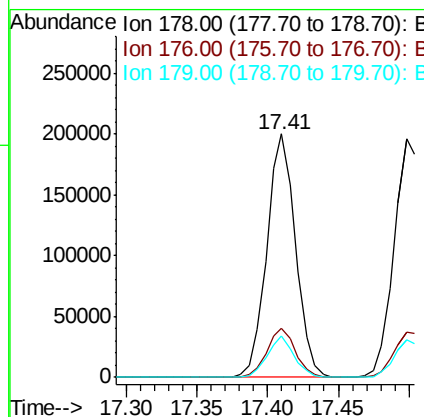
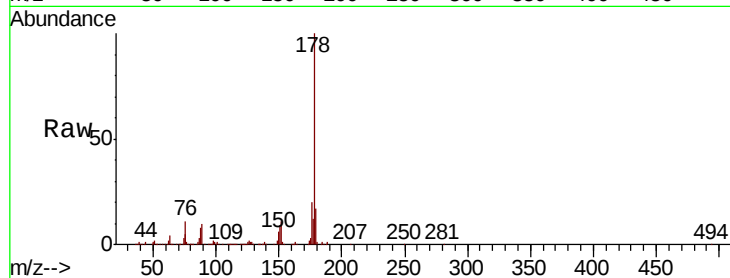
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	178	Resp:	286117
Ion Ratio	Lower	Upper	
178	100		
176	20.0	17.4	26.2
179	16.9	13.4	20.2

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#72

Anthracene

Concen: 7.427 ng

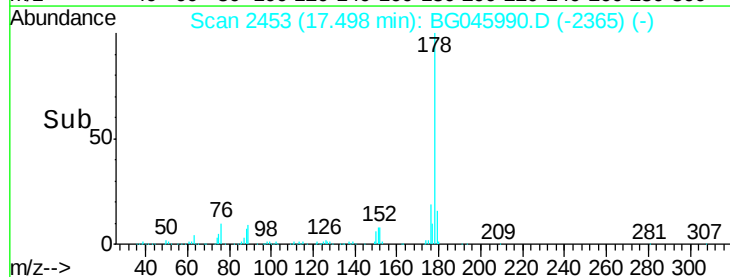
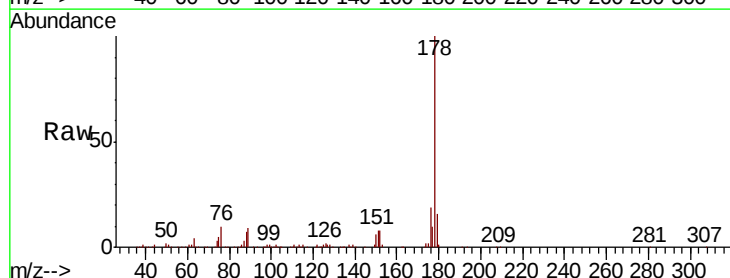
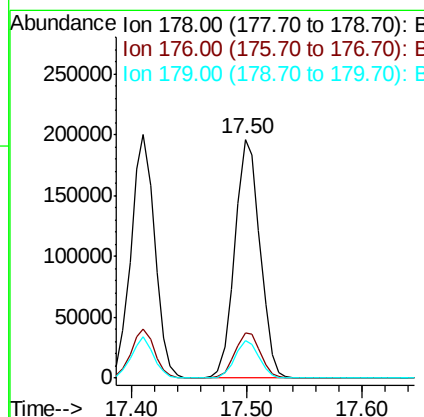
RT: 17.50 min Scan# 2453

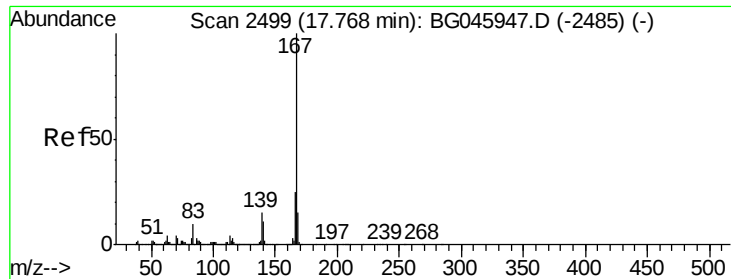
Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion:	178	Resp:	295129
Ion Ratio	Lower	Upper	
178	100		
176	19.1	17.2	25.8
179	15.7	14.0	21.0





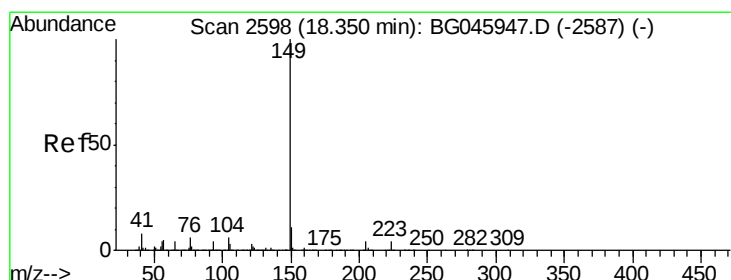
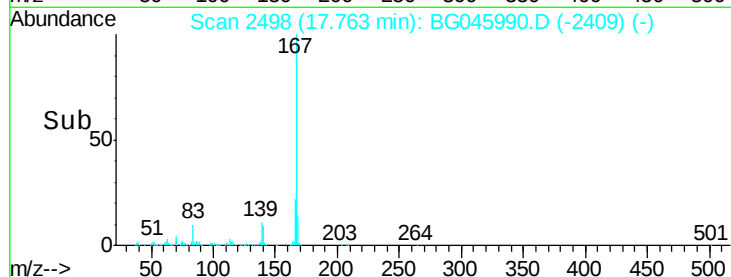
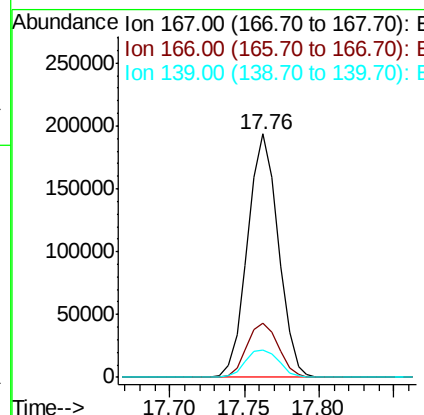
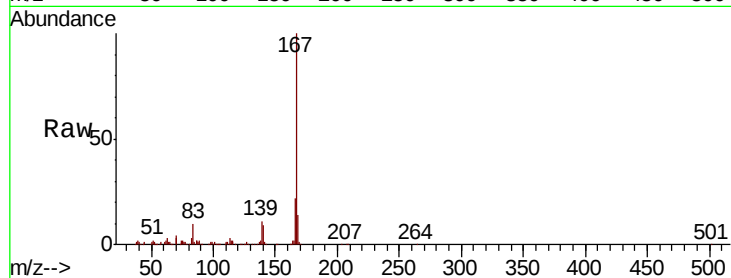
#73
 Carbazole
 Concen: 6.930 ng
 RT: 17.76 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	20.4	30.6
139	11.4	11.8	17.8

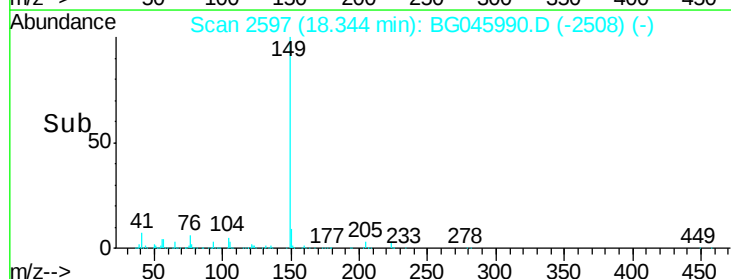
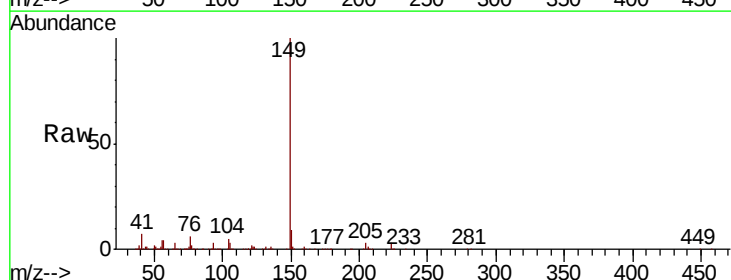
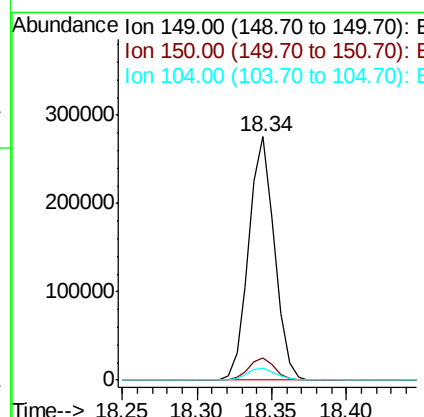
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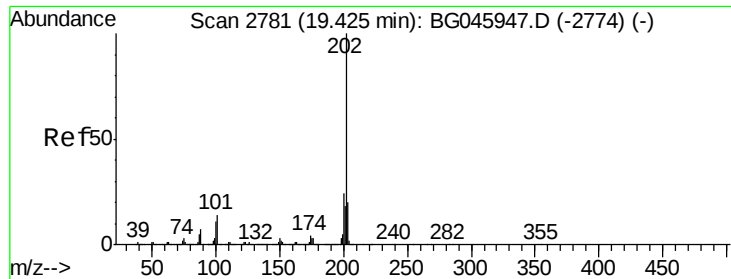
mohammad
 7/10/2020 11:47:00 AM



#74
 Di-n-butylphthalate
 Concen: 6.818 ng
 RT: 18.34 min Scan# 2597
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	9.0	13.4
104	5.0	5.2	7.8





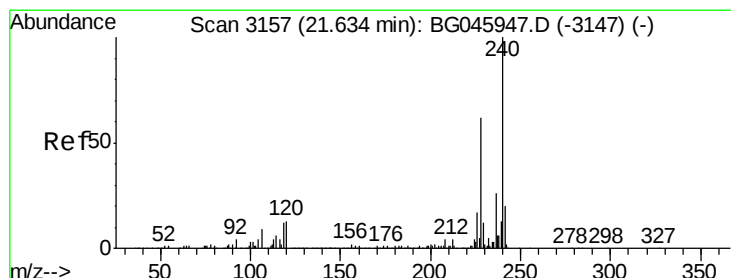
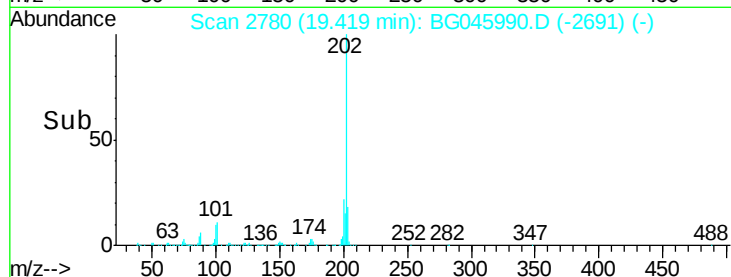
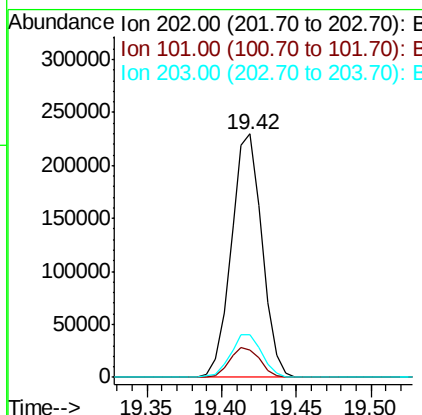
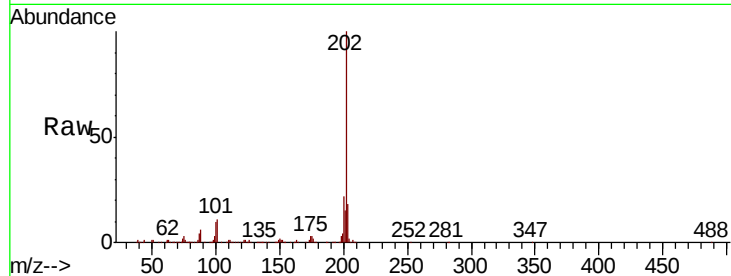
#75
Fluoranthene
 Concen: 7.272 ng
 RT: 19.42 min Scan# 2780
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	0.0	33.8
203	17.6	0.4	40.4

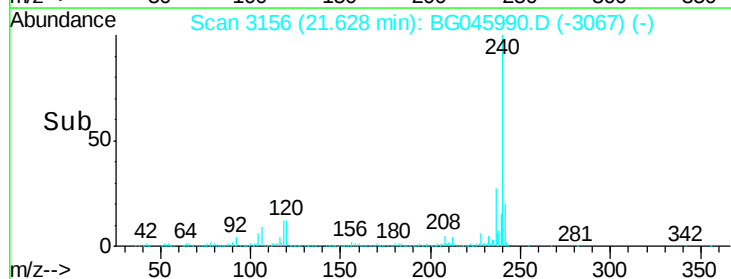
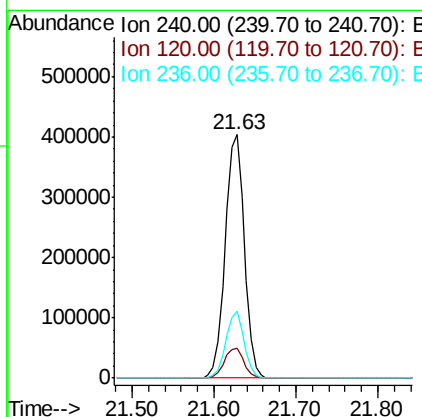
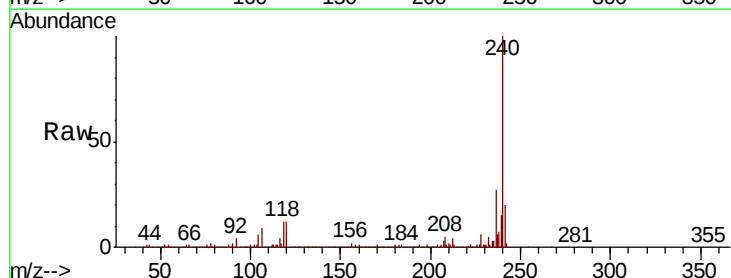
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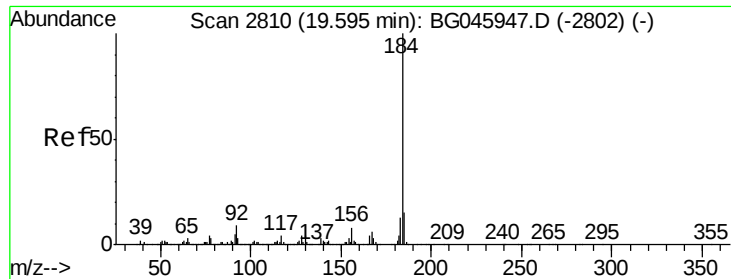
mohammad
 7/10/2020 11:47:00 AM



#76
Chrysene-d12
 Concen: 20.000 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.1	10.6	16.0
236	27.3	20.4	30.6





#77

Benzidine

Concen: 8.306 ng

RT: 19.59 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

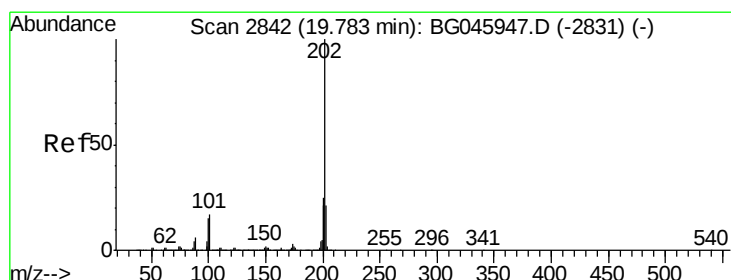
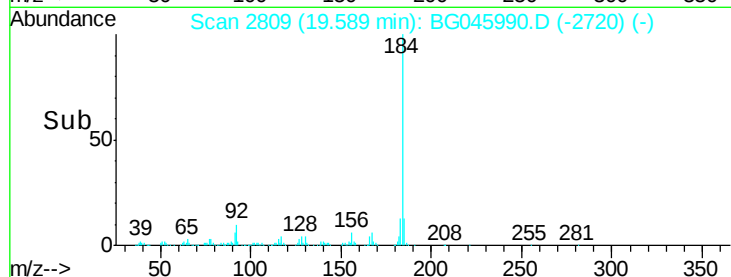
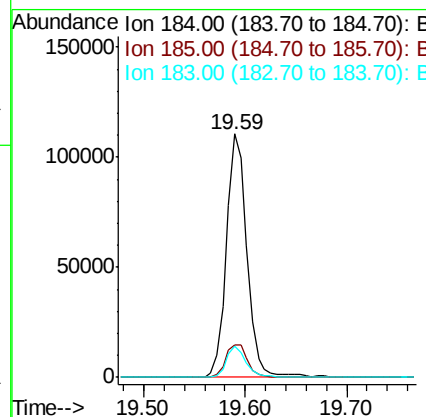
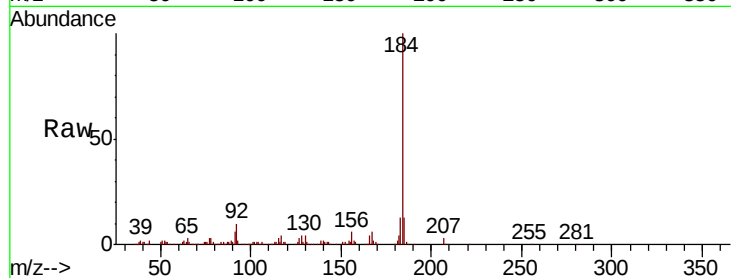
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	184	Resp:	155711
Ion Ratio		Lower	Upper
184	100		
185	13.1	11.6	17.4
183	12.8	10.4	15.6

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#78

Pyrene

Concen: 7.503 ng

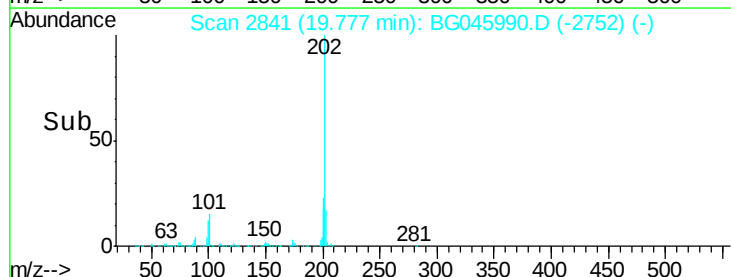
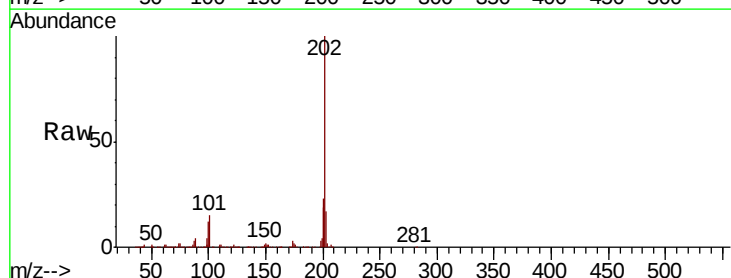
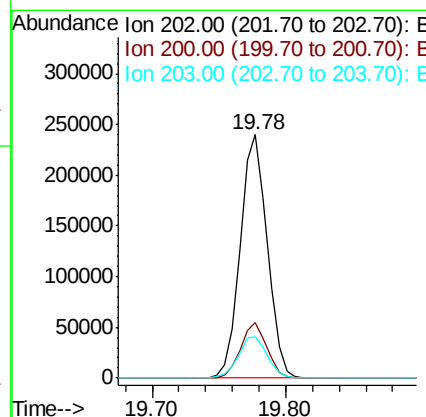
RT: 19.78 min Scan# 2841

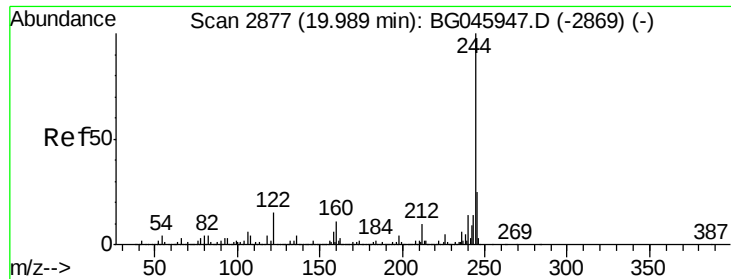
Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion:	202	Resp:	335783
Ion Ratio		Lower	Upper
202	100		
200	22.6	20.1	30.1
203	16.8	16.5	24.7





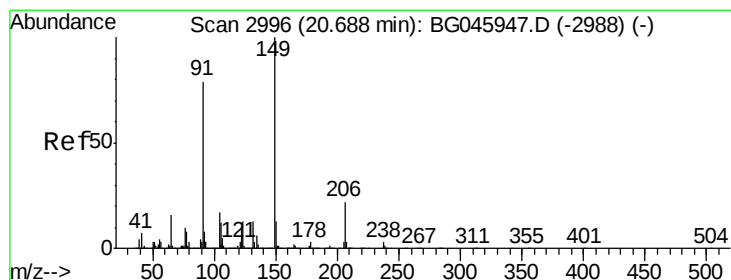
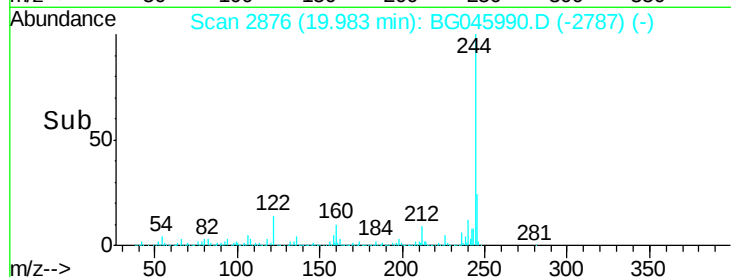
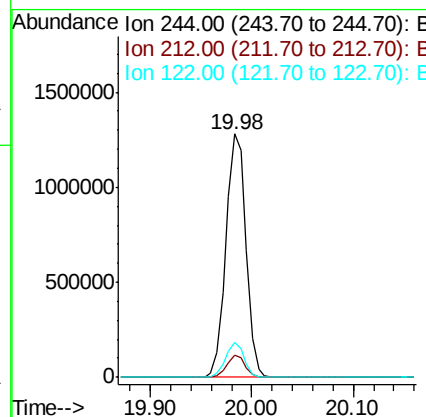
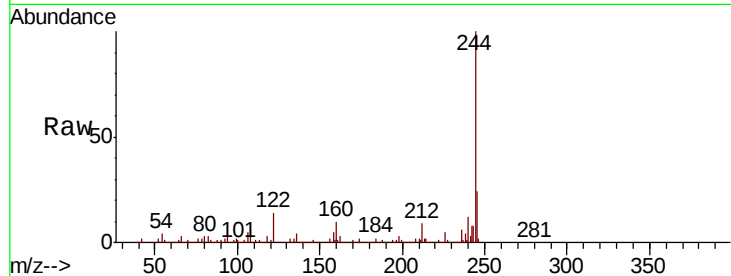
#79
 Terphenyl-d14
 Concen: 59.446 ng
 RT: 19.98 min Scan# 2876
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.3	12.5
122	14.4	12.1	18.1

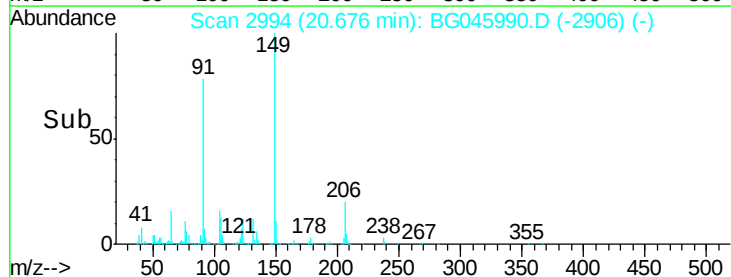
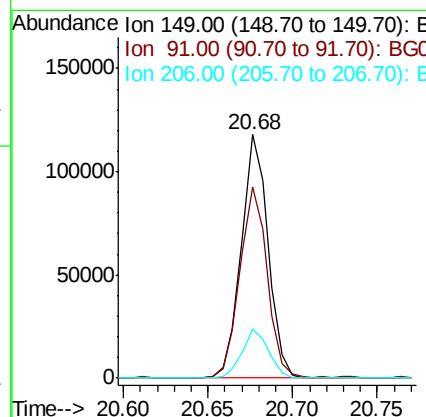
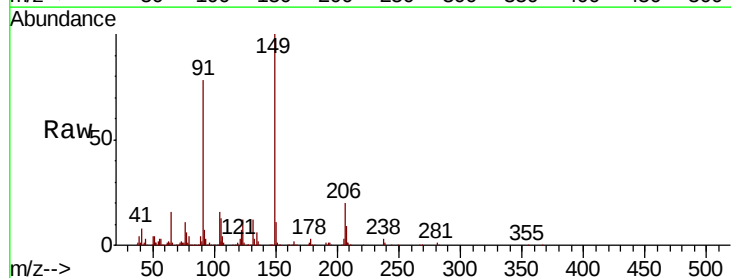
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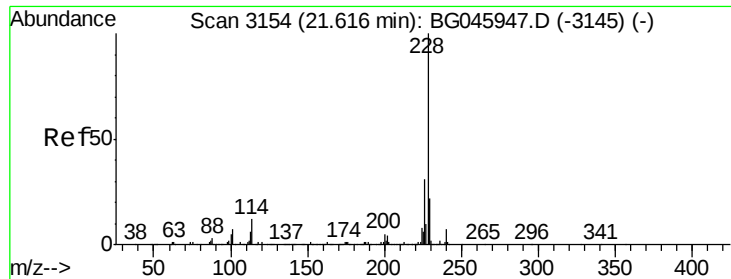
mohammad
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#80
 Butylbenzylphthalate
 Concen: 6.165 ng
 RT: 20.68 min Scan# 2994
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
149	100		
91	78.3	63.1	94.7
206	20.4	17.4	26.0





#81

Benzo(a)anthracene

Concen: 7.092 ng

RT: 21.60 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

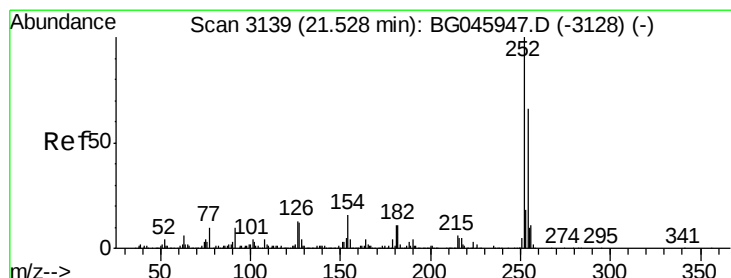
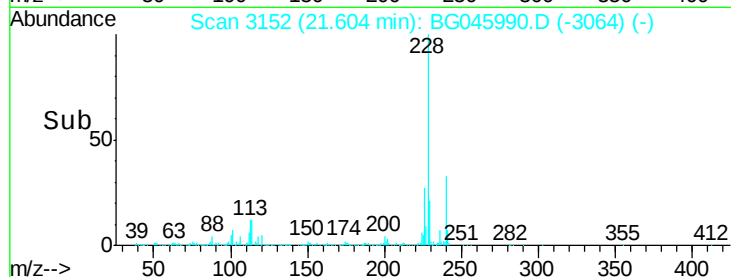
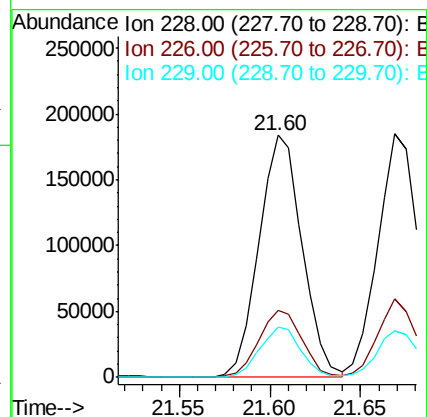
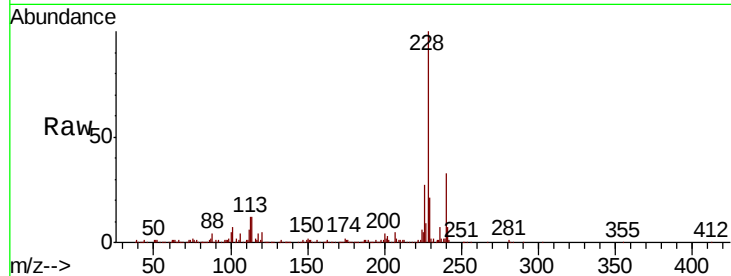
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	27.5		24.8	37.2	
229	20.8		17.8	26.8	

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#82

3,3'-Dichlorobenzidine

Concen: 6.938 ng

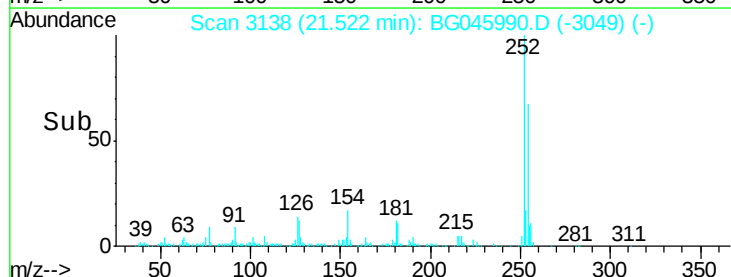
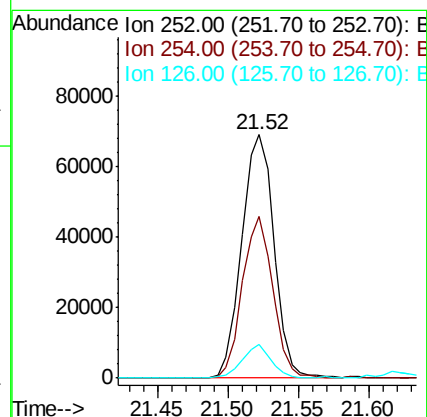
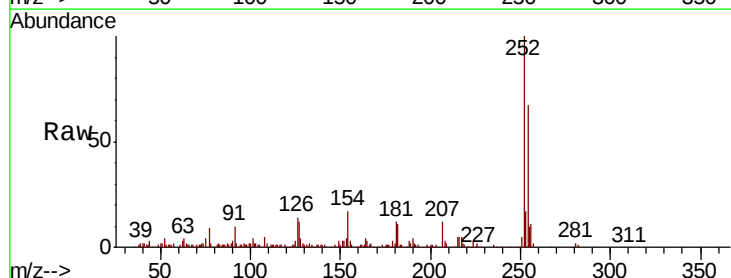
RT: 21.52 min Scan# 3138

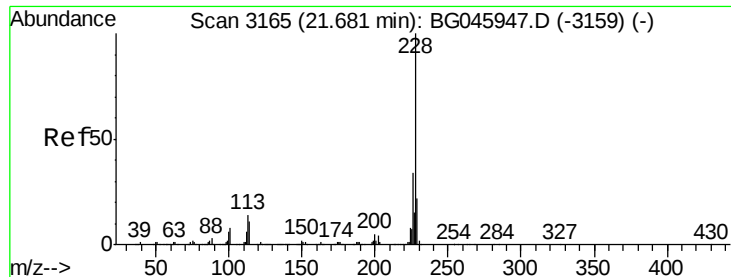
Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
254	66.6		52.9	79.3	
126	14.0		10.4	15.6	





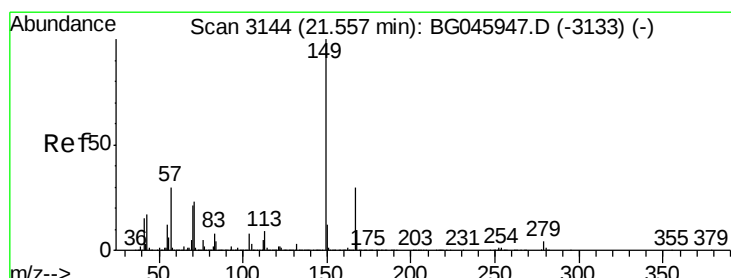
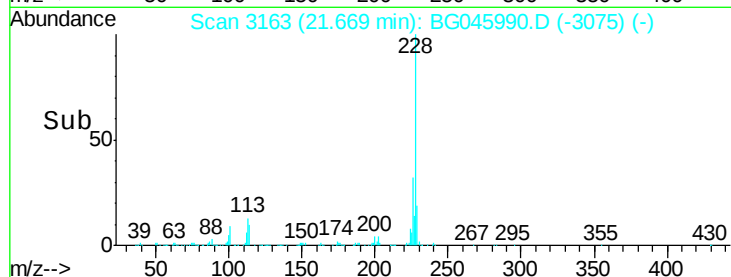
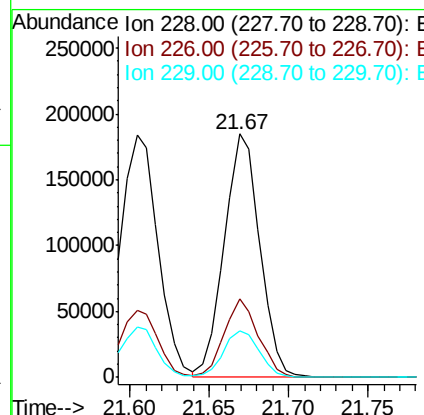
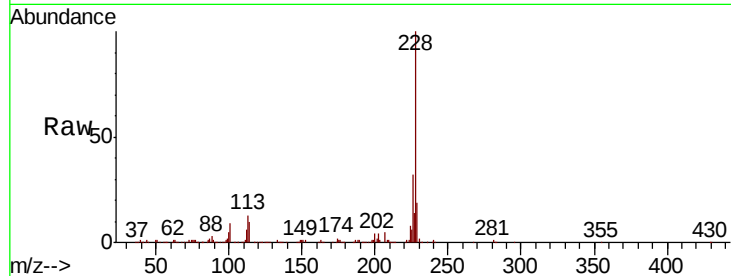
#83
Chrysene
Concen: 6.960 ng
RT: 21.67 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	26.7	40.1
229	19.3	17.3	25.9

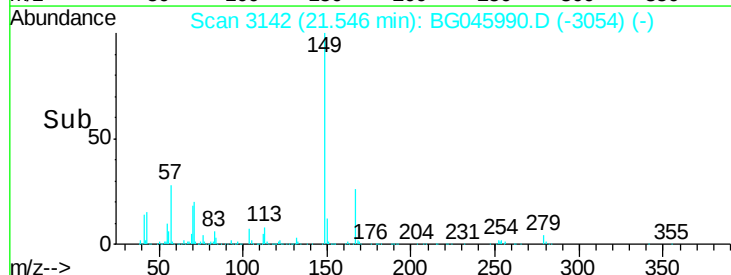
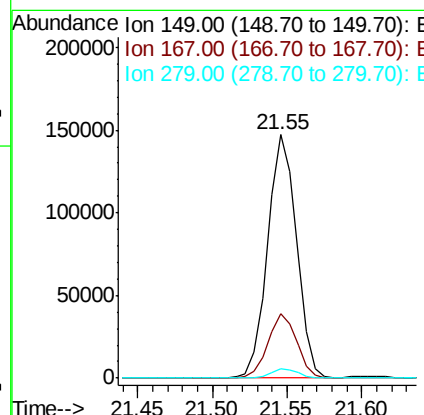
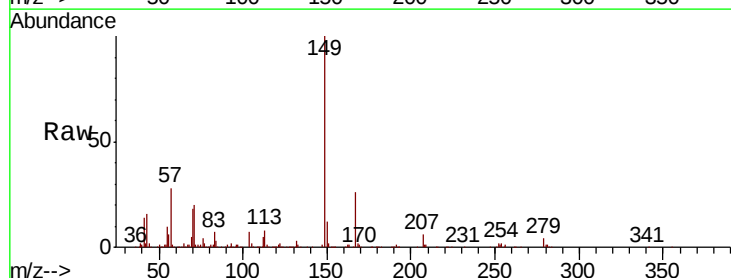
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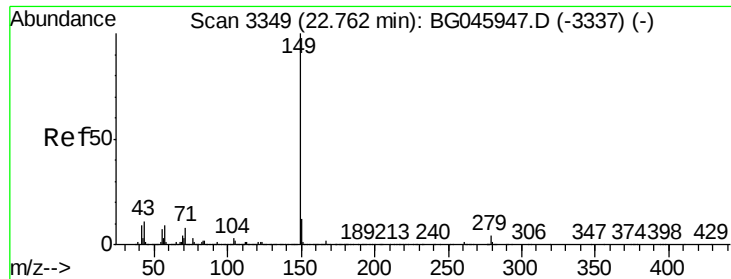
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 6.421 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	23.8	35.8
279	3.8	3.5	5.3





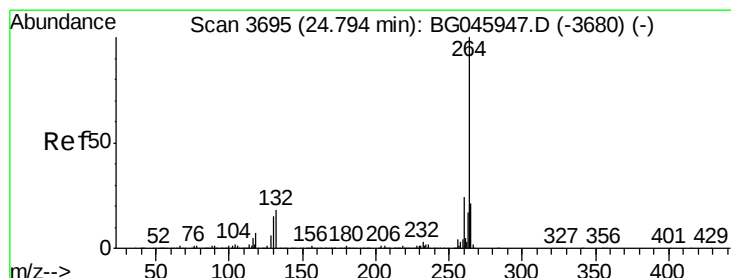
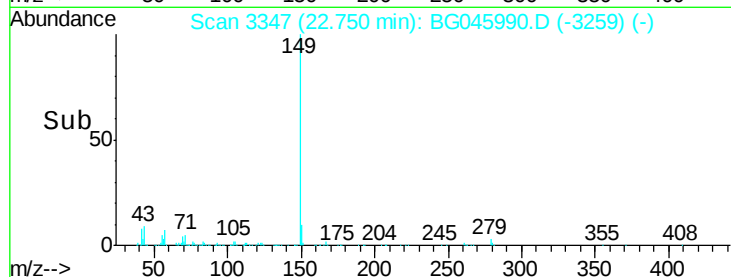
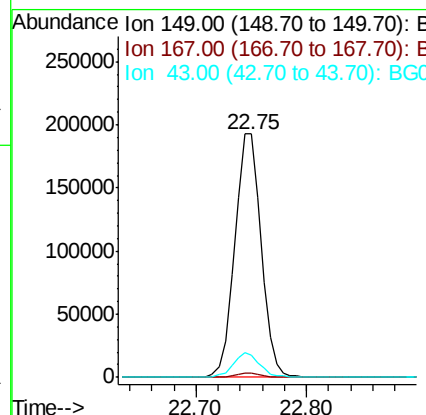
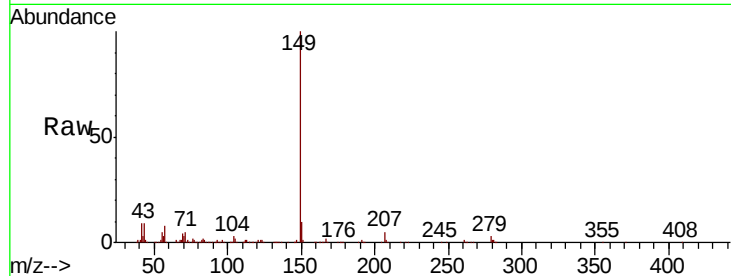
#85
Di-n-octyl phthalate
Concen: 6.084 ng
RT: 22.75 min Scan# 3347
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
149	100	324151		
167	1.5		1.4	2.0
43	10.4		8.6	12.8

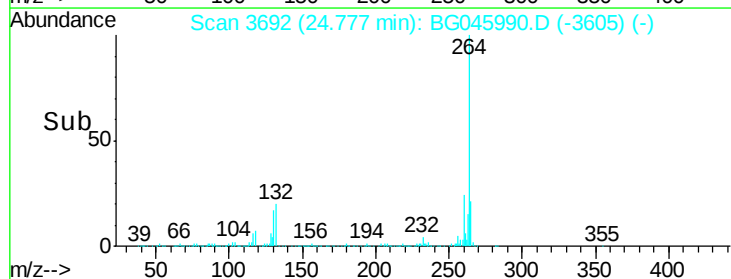
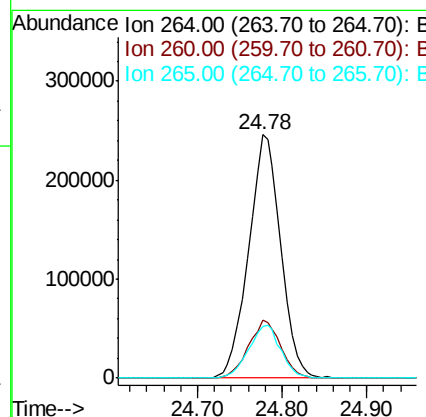
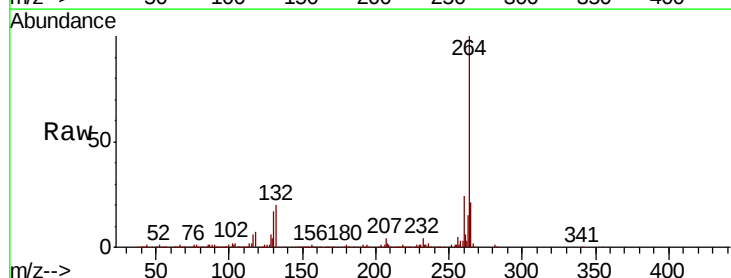
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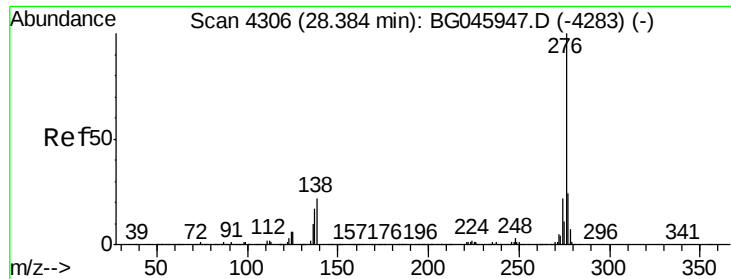
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3692
Delta R.T. -0.02 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	648550		
260	23.9		19.0	28.6
265	21.3		16.9	25.3





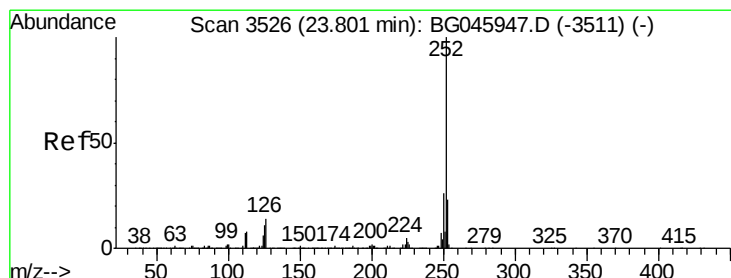
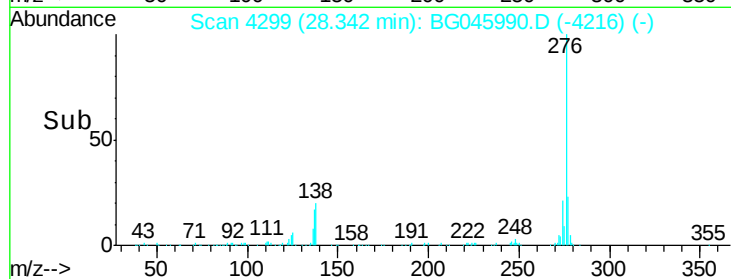
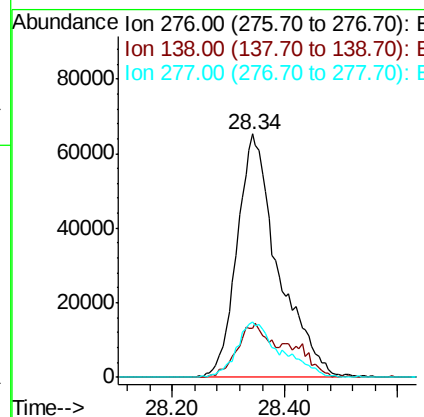
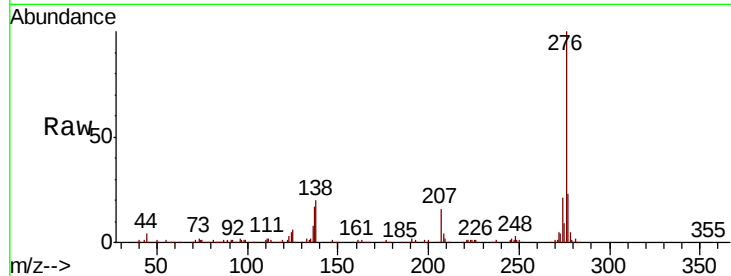
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.950 ng
 RT: 28.34 min Scan# 4299
 Delta R.T. -0.04 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	18.1	16.4	24.6	
277	24.4	20.6	31.0	

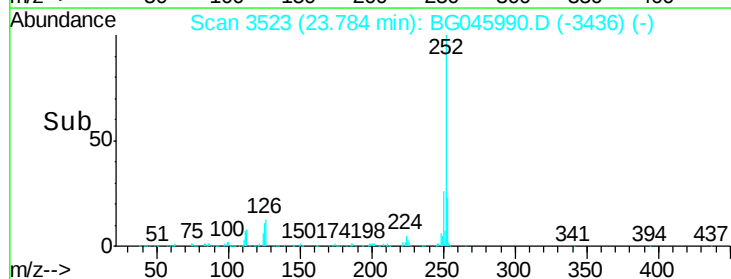
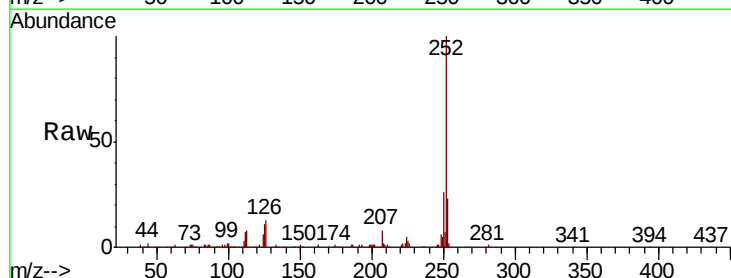
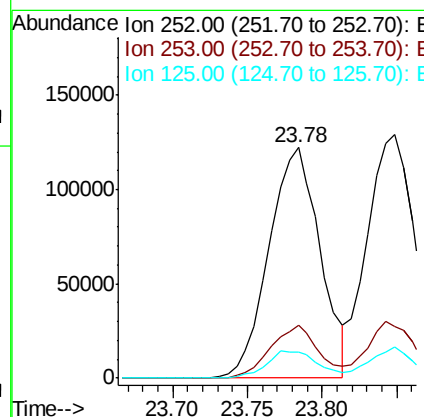
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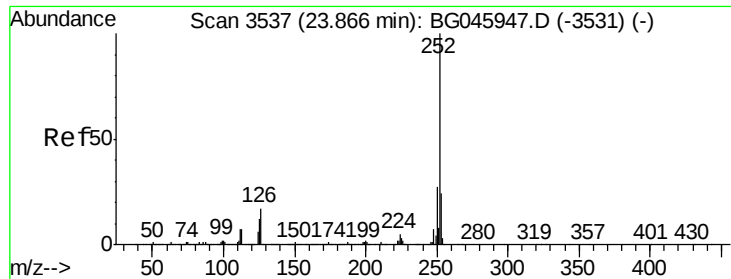
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 7.067 ng
 RT: 23.78 min Scan# 3523
 Delta R.T. -0.02 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
253	23.0	18.5	27.7	
125	11.4	9.2	13.8	





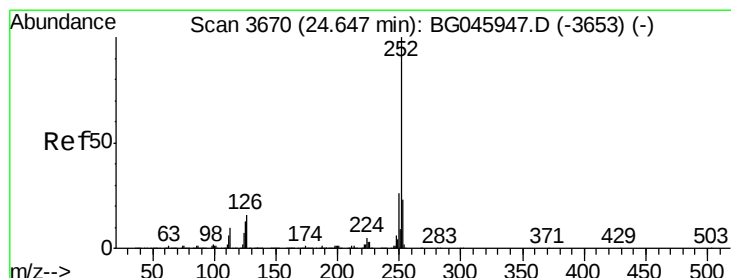
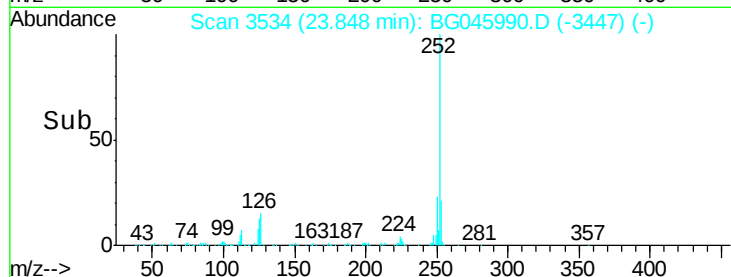
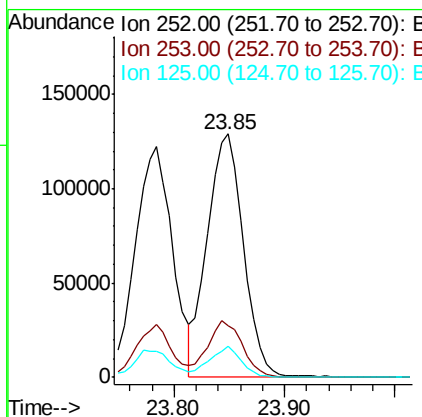
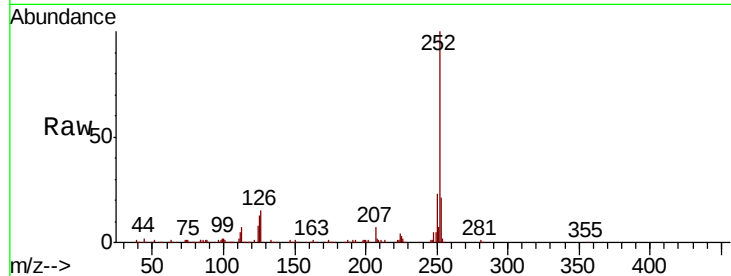
#89
Benzo(k)fluoranthene
Concen: 7.480 ng
RT: 23.85 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.9	28.3
125	12.6	9.6	14.4

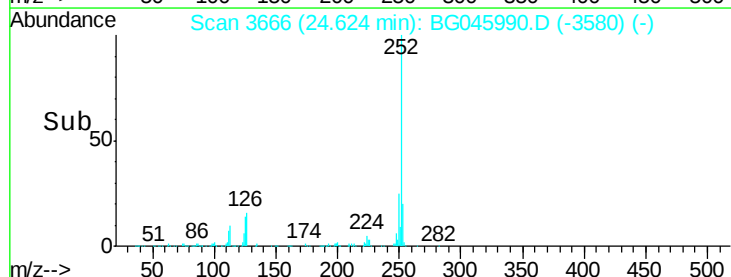
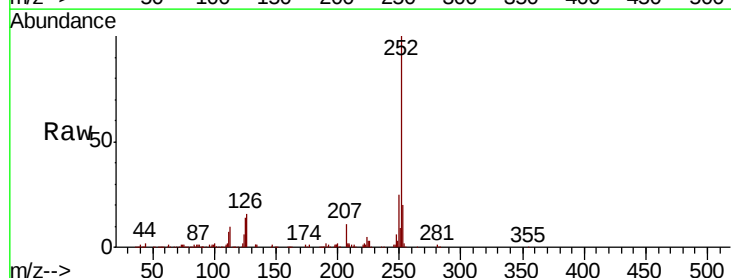
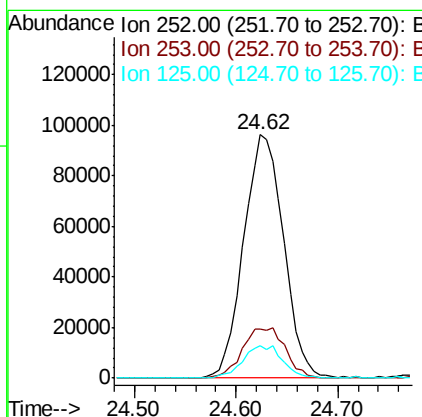
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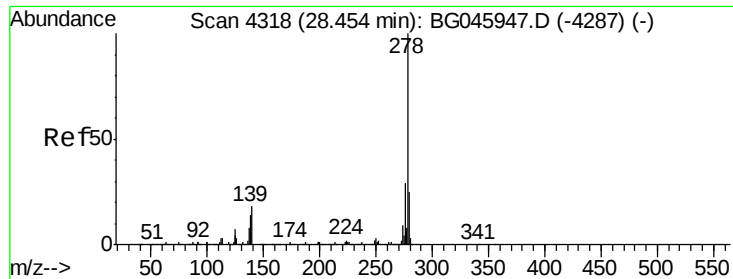
mohammad
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#90
Benzo(a)pyrene
Concen: 6.788 ng
RT: 24.62 min Scan# 3666
Delta R.T. -0.02 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.4	18.6	28.0
125	13.6	10.5	15.7





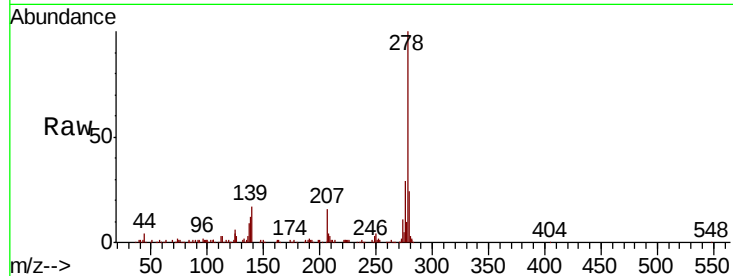
#91
Dibenzo(a,h)anthracene
Concen: 7.038 ng
RT: 28.41 min Scan# 4311
Delta R.T. -0.04 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.4	14.3	21.5
279	24.1	19.8	29.6

Manual Integrations
APPROVED

mohammad
7/10/2020 11:47:00 AM

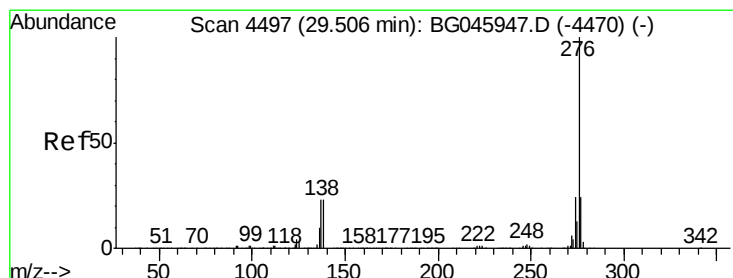
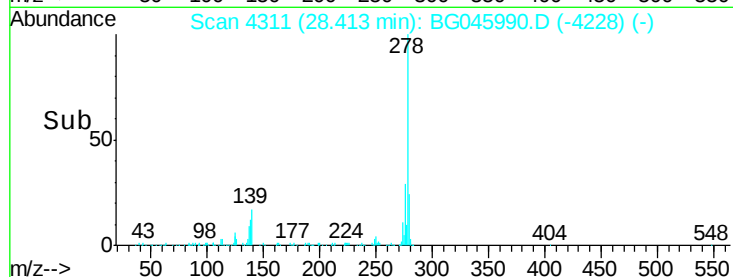
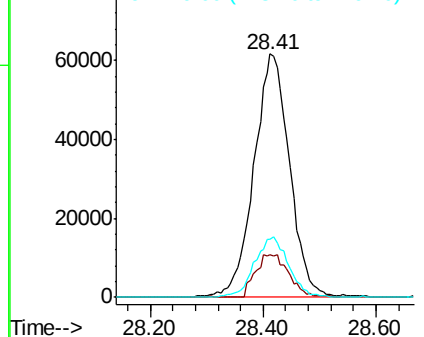


Abundance

Ion 278.00 (277.70 to 278.70): E

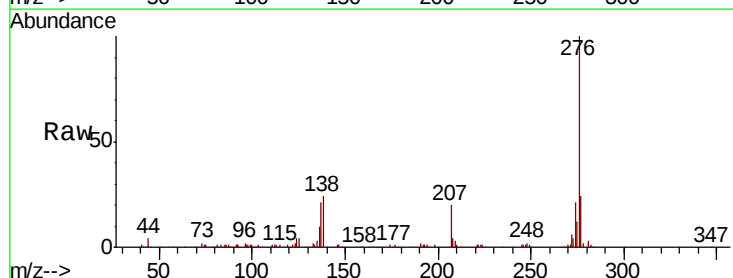
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.068 ng
RT: 29.45 min Scan# 4488
Delta R.T. -0.05 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	23.8	18.6	28.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

