

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043884.D
 Acq On : 3 Jan 2020 12:12
 Operator : JU
 Sample : K5111-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Manual Integrations
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mohammad
 1/6/2020 11:41:40 AM

Quant Time: Jan 03 13:17:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 03 12:50:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	116177	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	536653	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	365814	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	810679	20.00	ng	0.00
76) Chrysene-d12	21.58	240	697195	20.00	ng	0.00
87) Perylene-d12	24.71	264	774862	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	904476	142.95	ng	0.00
7) Phenol-d6	7.12	99	1254433	141.83	ng	0.00
23) Nitrobenzene-d5	9.12	82	965188	96.21	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	560240	146.35	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	2111820	104.59	ng	0.00
79) Terphenyl-d14	19.96	244	2828415	97.94	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.44	88	22345	8.099	ng	95
3) Pyridine	3.84	79	55825	6.850	ng	94
4) n-Nitrosodimethylamine	3.75	42	26124	7.200	ng	# 94
6) Aniline	7.28	93	92481	7.961	ng	97
8) 2-Chlorophenol	7.53	128	57599	7.754	ng	94
9) Benzaldehyde	7.09	77	56485	9.979	ng	97
10) Phenol	7.15	94	71424	7.838	ng	90
11) bis(2-Chloroethyl)ether	7.38	93	63295	8.047	ng	97
12) 1,3-Dichlorobenzene	7.86	146	66328	7.631	ng	98
13) 1,4-Dichlorobenzene	8.00	146	66606	7.766	ng	93
14) 1,2-Dichlorobenzene	8.32	146	63230	7.681	ng	94
15) Benzyl Alcohol	8.19	79	50408	7.222	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.49	45	87811	7.216	ng	99
17) 2-Methylphenol	8.40	107	48737	7.391	ng	96
18) Hexachloroethane	9.05	117	25057	7.508	ng	98
19) n-Nitroso-di-n-propylamine	8.76	70	51108	7.759	ng	100
20) 3+4-Methylphenols	8.73	107	68255	7.420	ng	94
22) Acetophenone	8.77	105	98236	7.363	ng	98
24) Nitrobenzene	9.16	77	74136	7.462	ng	98
25) Isophorone	9.68	82	141331	7.509	ng	98
26) 2-Nitrophenol	9.87	139	28500	6.063	ng	99
27) 2,4-Dimethylphenol	9.93	122	40185	5.679	ng	99
28) bis(2-Chloroethoxy)methane	10.17	93	89352	7.121	ng	99
29) 2,4-Dichlorophenol	10.41	162	56313	6.672	ng	95
30) 1,2,4-Trichlorobenzene	10.63	180	66558	7.033	ng	98
31) Naphthalene	10.81	128	205380	7.909	ng	98
32) Benzoic acid	10.00	122	12014m	2.275	ng	
33) 4-Chloroaniline	10.91	127	88138	7.116	ng	97
34) Hexachlorobutadiene	11.11	225	39202	6.785	ng	95
35) Caprolactam	11.65	113	21257	6.765	ng	# 80
36) 4-Chloro-3-methylphenol	12.04	107	63266	7.041	ng	98
37) 2-Methylnaphthalene	12.42	142	156849	8.022	ng	95
38) 1-Methylnaphthalene	12.64	142	149397	8.062	ng	95
40) 1,2,4,5-Tetrachlorobenzene	12.79	216	76227	7.109	ng	100

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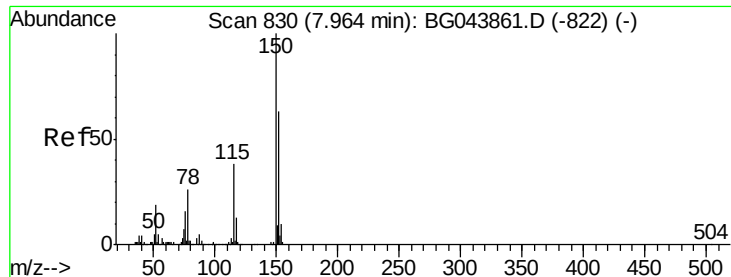
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 QLast Update : Fri Jan 03 12:50:48 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.78	237	38476	6.922	ng	100
43) 2,4,6-Trichlorophenol	13.03	196	44420	6.021	ng	88
44) 2,4,5-Trichlorophenol	13.09	196	49999	6.571	ng	97
46) 1,1'-Biphenyl	13.43	154	209928	8.004	ng	95
47) 2-Chloronaphthalene	13.47	162	157465	7.430	ng	96
48) 2-Nitroaniline	13.66	65	39427	5.783	ng	90
49) Acenaphthylene	14.32	152	257863	8.465	ng	93
50) Dimethylphthalate	14.05	163	215747	8.306	ng	96
51) 2,6-Dinitrotoluene	14.16	165	42446	7.230	ng	98
52) Acenaphthene	14.66	154	158598	7.424	ng	96
53) 3-Nitroaniline	14.48	138	43175	6.476	ng	# 95
54) 2,4-Dinitrophenol	14.69	184	8826	3.335	ng	# 79
55) Dibenzofuran	14.99	168	260597	8.861	ng	94
56) 4-Nitrophenol	14.79	139	31989	6.262	ng	96
57) 2,4-Dinitrotoluene	14.94	165	55863	6.993	ng	98
58) Fluorene	15.64	166	204039	8.754	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.21	232	48698	7.443	ng	99
60) Diethylphthalate	15.41	149	216761	8.344	ng	97
61) 4-Chlorophenyl-phenylether	15.64	204	103202	8.154	ng	96
62) 4-Nitroaniline	15.64	138	46305	7.033	ng	96
63) Azobenzene	15.93	77	203856	8.461	ng	96
65) 4,6-Dinitro-2-methylphenol	15.71	198	20260	5.139	ng	96
66) n-Nitrosodiphenylamine	15.84	169	178756	7.488	ng	99
67) 4-Bromophenyl-phenylether	16.53	248	63161	6.927	ng	97
68) Hexachlorobenzene	16.65	284	68478	6.970	ng	96
69) Atrazine	16.79	200	55212	7.115	ng	95
70) Pentachlorophenol	16.99	266	25346	4.680	ng	97
71) Phenanthrene	17.38	178	327496	8.422	ng	94
72) Anthracene	17.46	178	330006	8.587	ng	94
73) Carbazole	17.73	167	290225	8.176	ng	94
74) Di-n-butylphthalate	18.30	149	350062	7.724	ng	# 95
75) Fluoranthene	19.39	202	370402	8.329	ng	92
77) Benzidine	19.56	184	122864	7.011	ng	98
78) Pyrene	19.74	202	380848	8.369	ng	92
80) Butylbenzylphthalate	20.64	149	137823	6.361	ng	94
81) Benzo(a)anthracene	21.57	228	353431	8.175	ng	92
82) 3,3'-Dichlorobenzidine	21.48	252	124722	7.302	ng	99
83) Chrysene	21.63	228	334837	8.151	ng	91
84) Bis(2-ethylhexyl)phthalate	21.50	149	216890	7.255	ng	93
85) Di-n-octyl phthalate	22.68	149	346530	6.895	ng	97
86) Indeno(1,2,3-cd)pyrene	28.25	276	382452	6.851	ng	# 90
88) Benzo(b)fluoranthene	23.72	252	349506	7.630	ng	96
89) Benzo(k)fluoranthene	23.79	252	343108	7.877	ng	95
90) Benzo(a)pyrene	24.56	252	313973	7.262	ng	95
91) Dibenzo(a,h)anthracene	28.32	278	326224	7.513	ng	96
92) Benzo(g,h,i)perylene	29.34	276	320840	7.439	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.96 min Scan# 830

Delta R.T. -0.00 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Instrument :

BNA_G

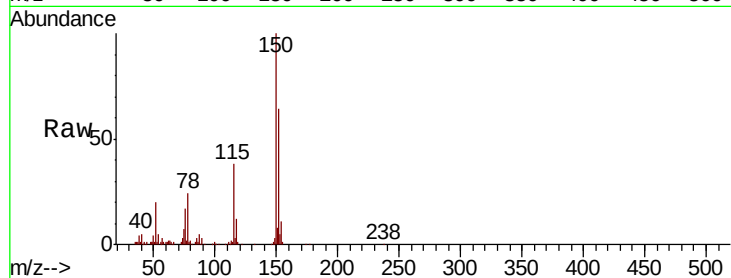
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	152	Resp:	116177
Ion	Ratio	Lower	Upper
152	100		
150	157.2	127.0	190.4
115	60.1	47.8	71.8

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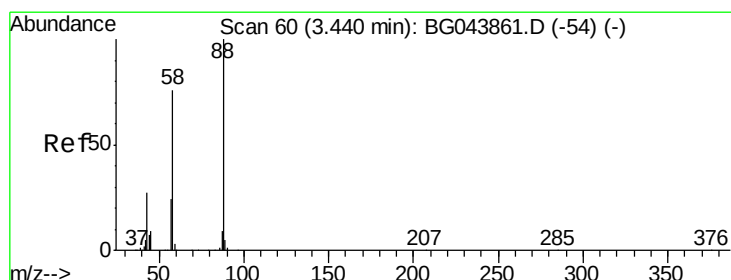
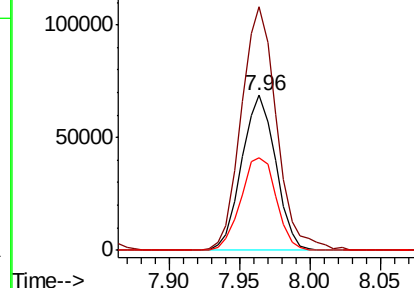
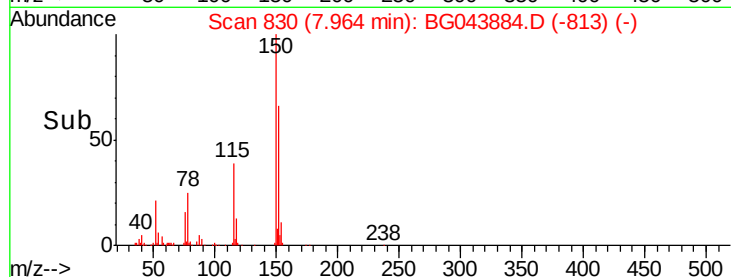


Abundance

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: 8.099 ng

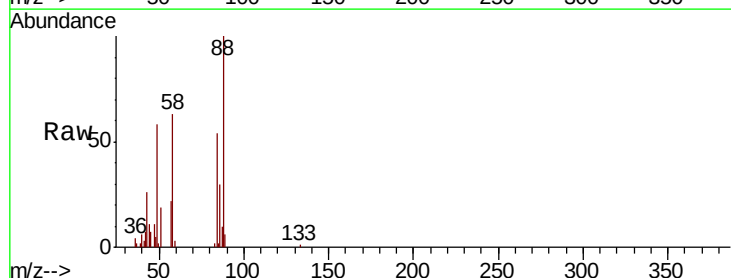
RT: 3.44 min Scan# 60

Delta R.T. -0.00 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Tgt Ion:	88	Resp:	22345
Ion	Ratio	Lower	Upper
88	100		
58	70.3	59.8	89.8
43	30.5	22.9	34.3

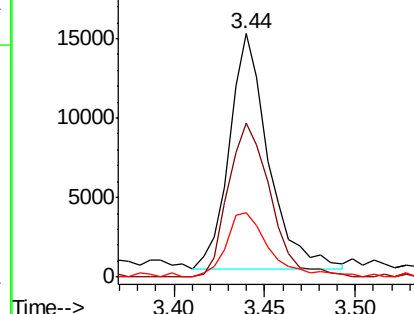
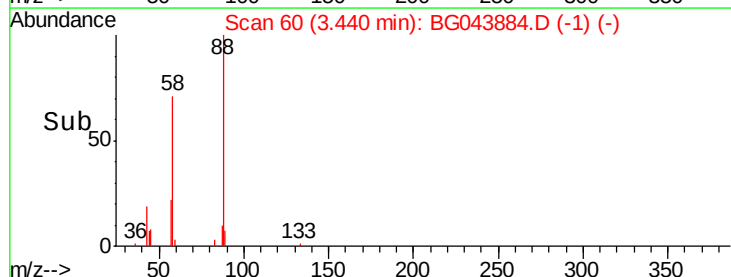


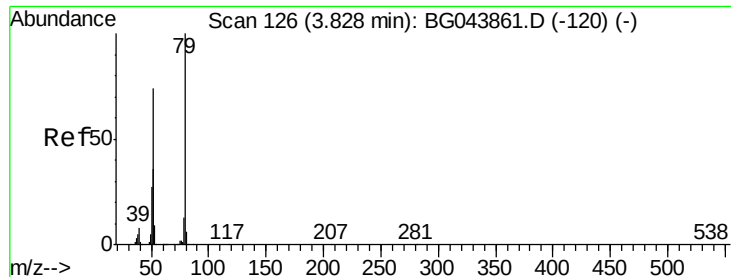
Abundance

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: 6.850 ng

RT: 3.84 min Scan# 128

Delta R.T. 0.01 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Instrument :

BNA_G

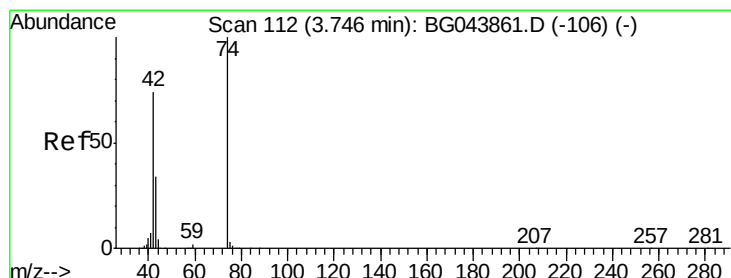
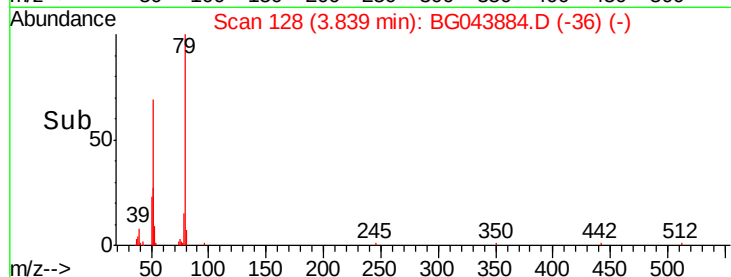
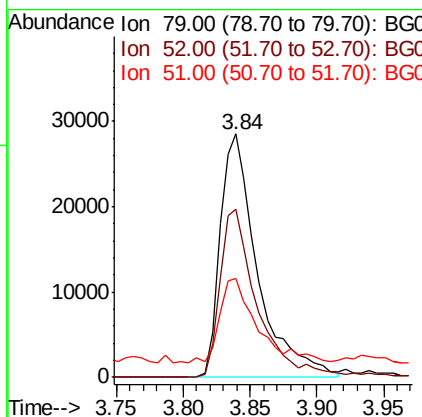
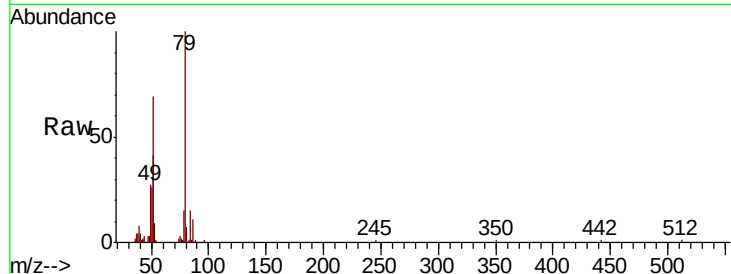
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion	79	Resp	55825
Ion	Ratio	Lower	Upper
79	100		
52	69.0	58.9	88.3
51	40.7	28.6	43.0

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#4

n-Nitrosodimethylamine

Concen: 7.200 ng

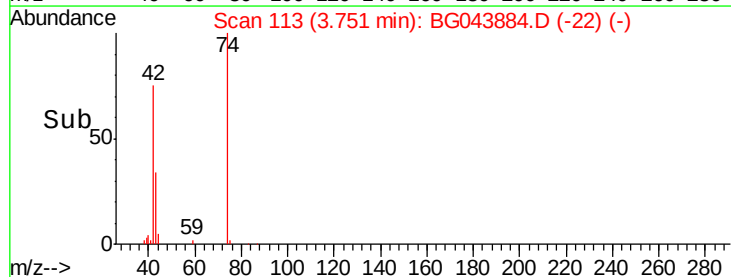
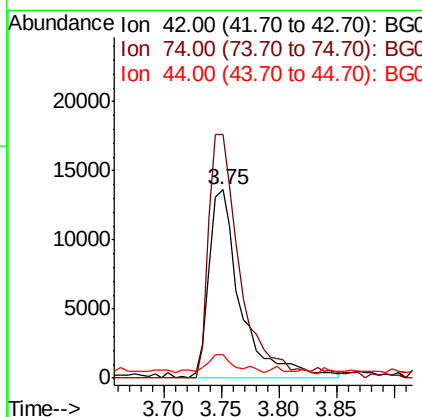
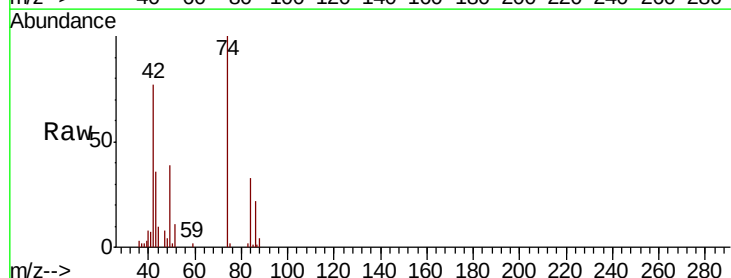
RT: 3.75 min Scan# 113

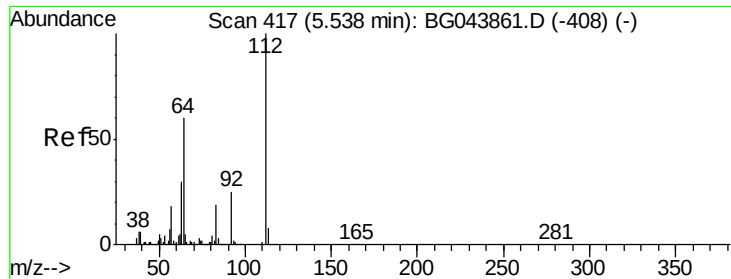
Delta R.T. 0.01 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Tgt Ion	42	Resp	26124
Ion	Ratio	Lower	Upper
42	100		
74	129.3	108.6	162.8
44	12.4	5.0	7.6#





#5

2-Fluorophenol

Concen: 142.948 ng

RT: 5.54 min Scan# 417

Delta R.T. -0.00 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Instrument :

BNA_G

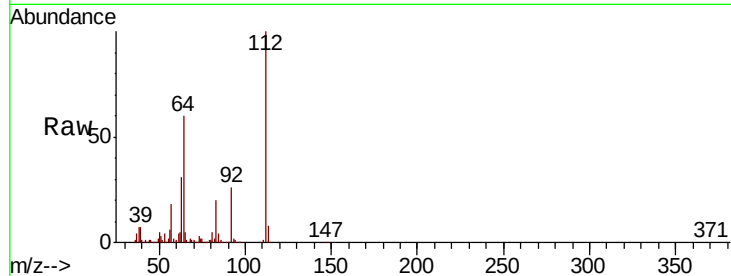
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

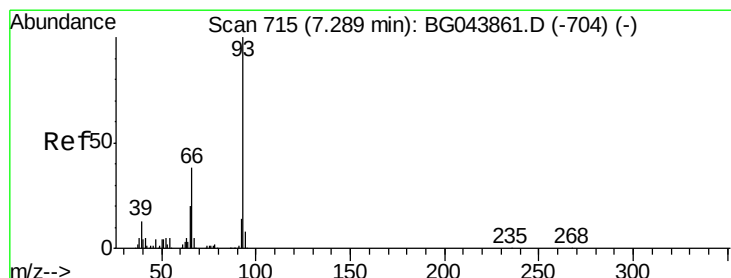
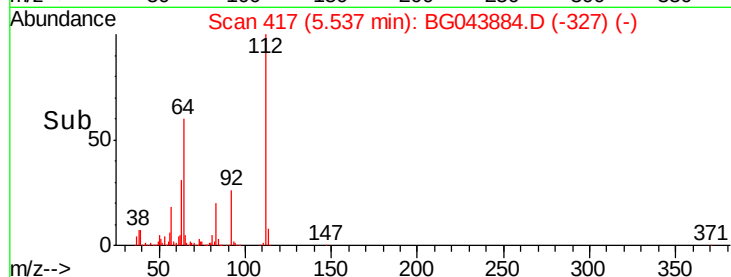
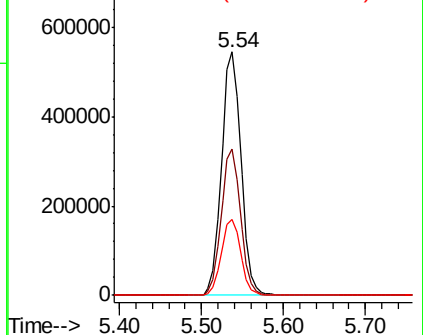
Tot Ion:	112	Resp:	904476
Ion Ratio	Lower	Upper	
112	100		
64	60.0	47.8	71.6
63	31.4	24.3	36.5

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Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 7.961 ng

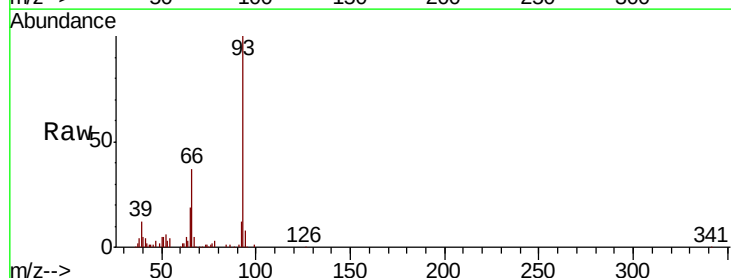
RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

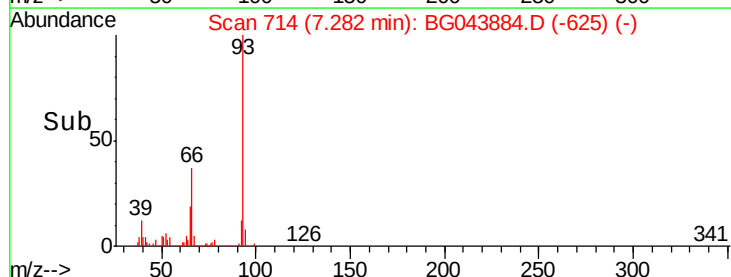
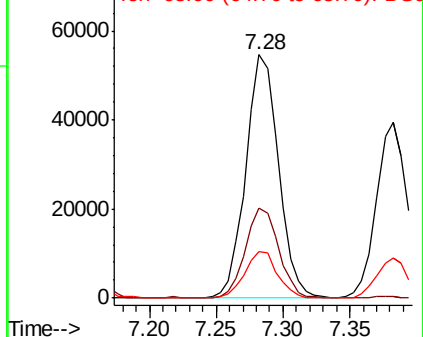
Lab File: BG043884.D

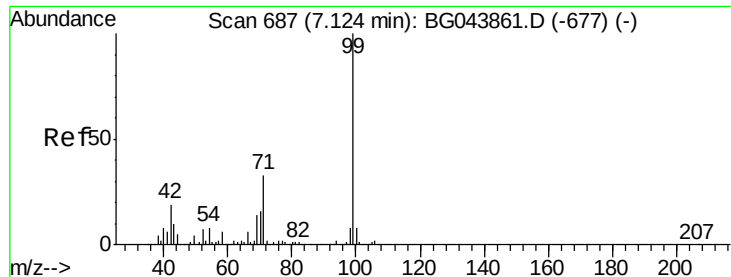
Acq: 3 Jan 2020 12:12

Tgt Ion:	93	Resp:	92481
Ion Ratio	Lower	Upper	
93	100		
66	36.8	30.8	46.2
65	19.1	16.0	24.0



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





#7

Phenol-d6

Concen: 141.833 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.00 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion: 99 Resp: 1254433

Ion Ratio Lower Upper

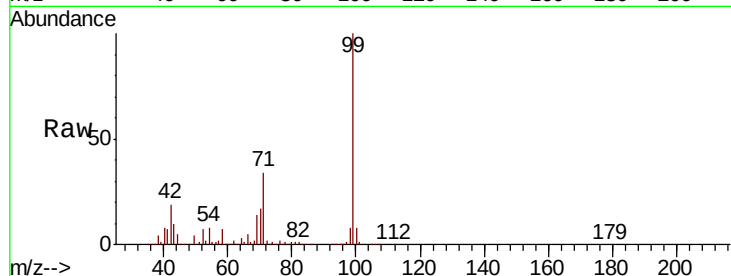
99 100

42 19.4 14.9 22.3

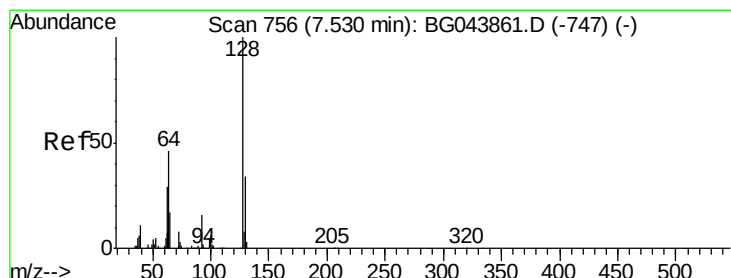
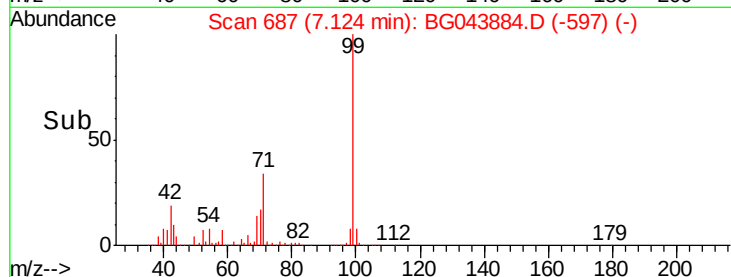
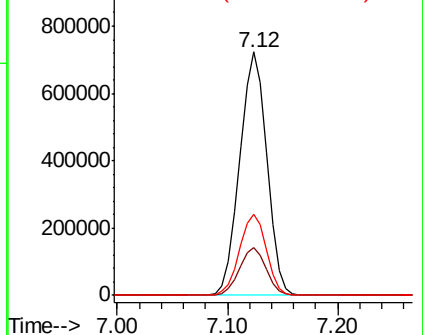
71 33.5 26.4 39.6

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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 7.754 ng

RT: 7.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

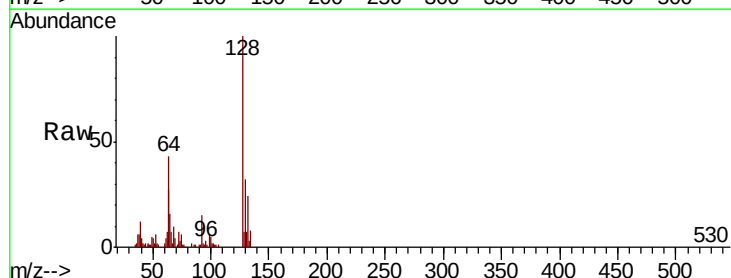
Tgt Ion:128 Resp: 57599

Ion Ratio Lower Upper

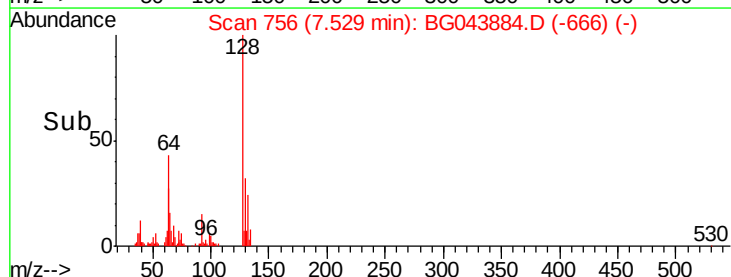
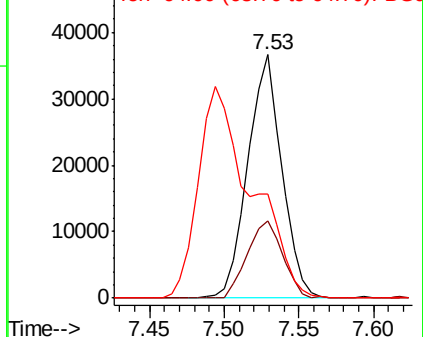
128 100

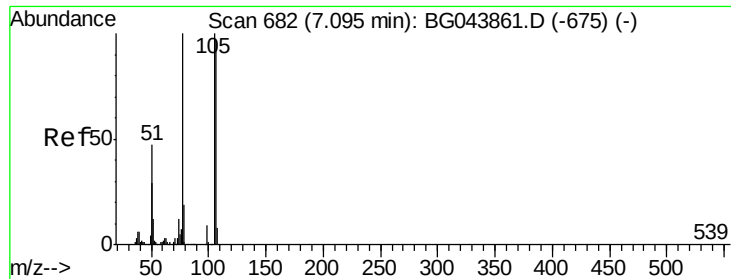
130 31.7 13.8 53.8

64 42.8 27.6 67.6



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





#9

Benzaldehyde

Concen: 9.979 ng

RT: 7.09 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Instrument :

BNA_G

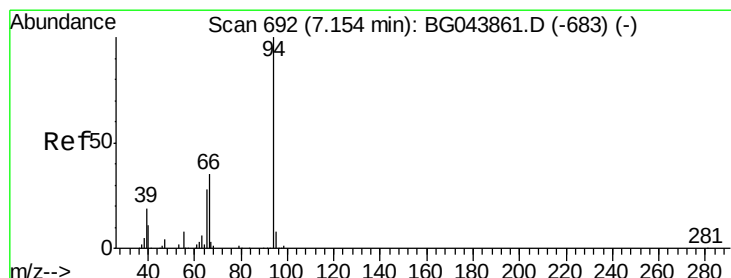
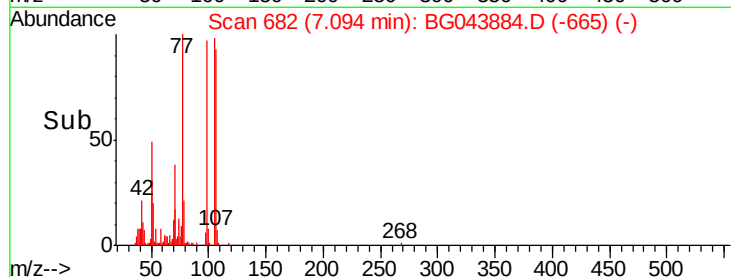
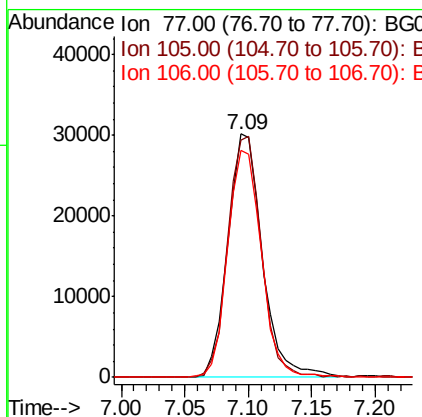
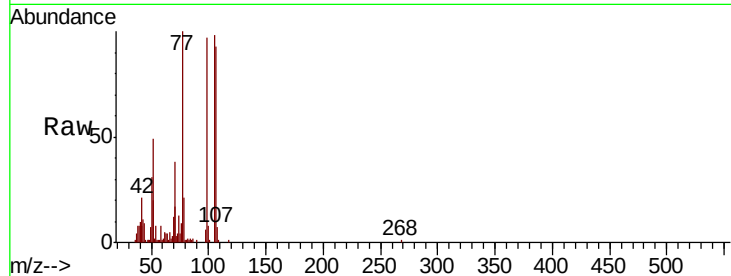
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
77	100		
105	97.5	80.2	120.2
106	93.2	77.2	117.2

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#10

Phenol

Concen: 7.838 ng

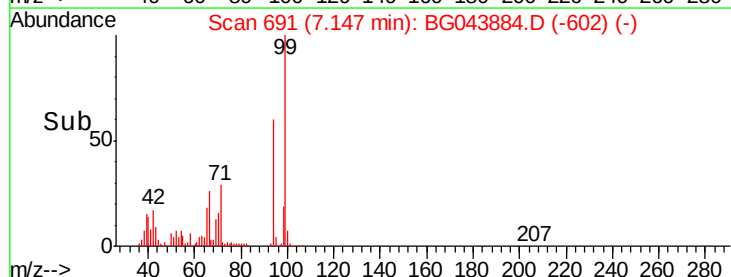
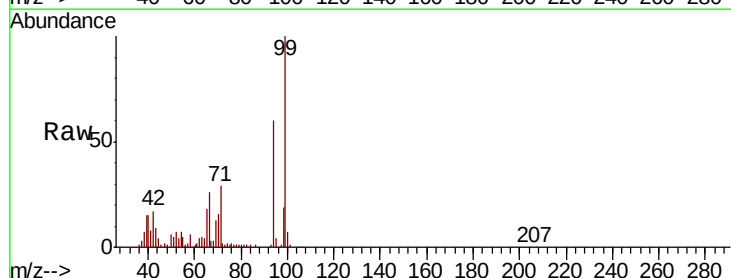
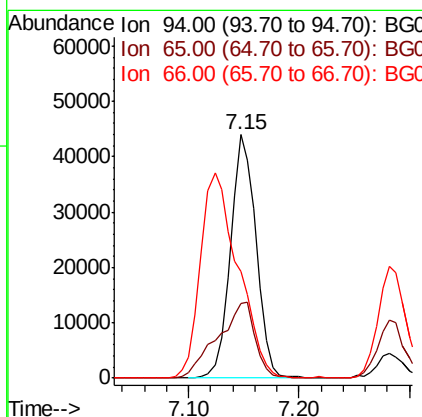
RT: 7.15 min Scan# 691

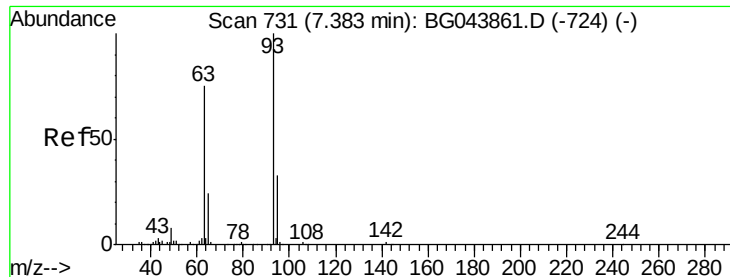
Delta R.T. -0.01 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.5	8.1	48.1
66	43.7	15.6	55.6





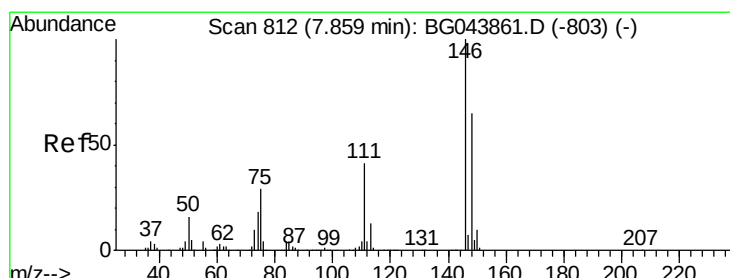
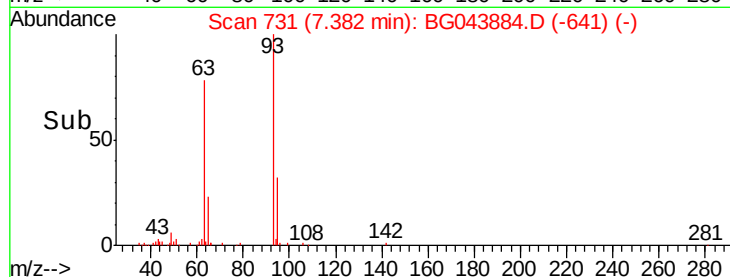
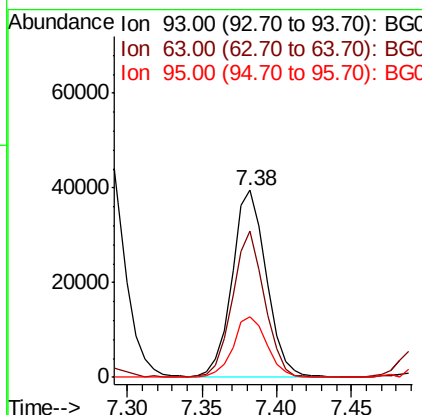
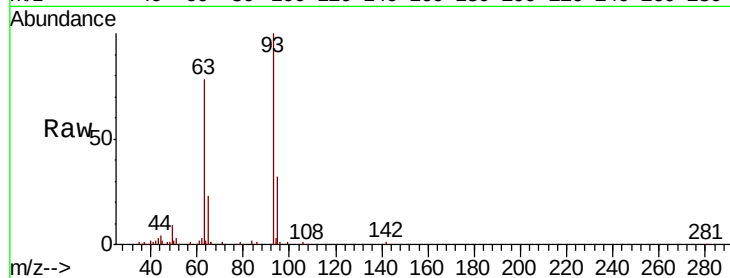
#11
bis(2-Chloroethyl)ether
Concen: 8.047 ng
RT: 7.38 min Scan# 731
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	78.3	55.0	95.0
95	32.2	13.3	53.3

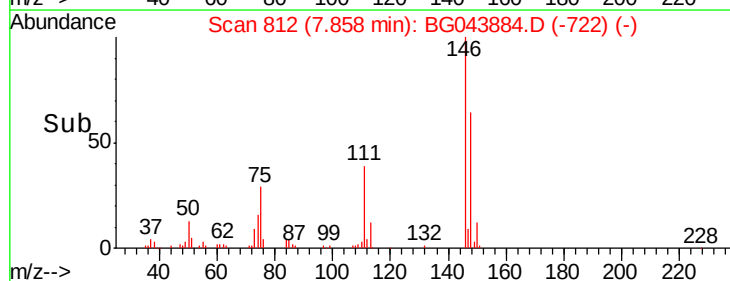
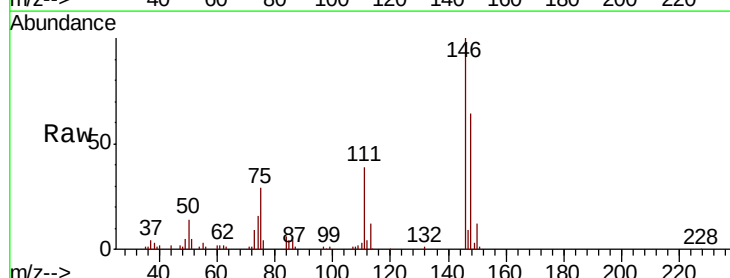
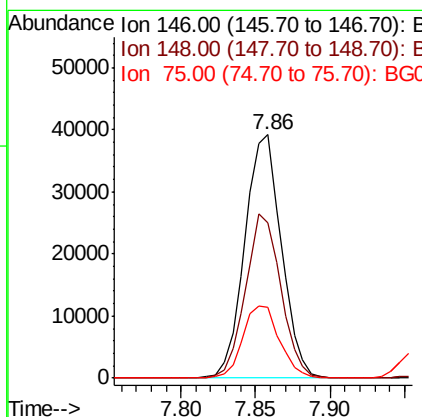
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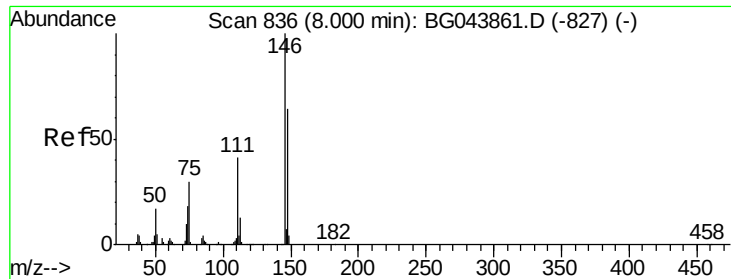
mohammad
1/6/2020 11:41:40 AM



#12
1,3-Dichlorobenzene
Concen: 7.631 ng
RT: 7.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.1	78.1
75	29.3	23.0	34.4





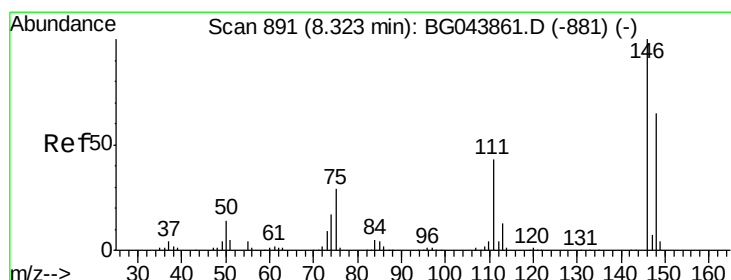
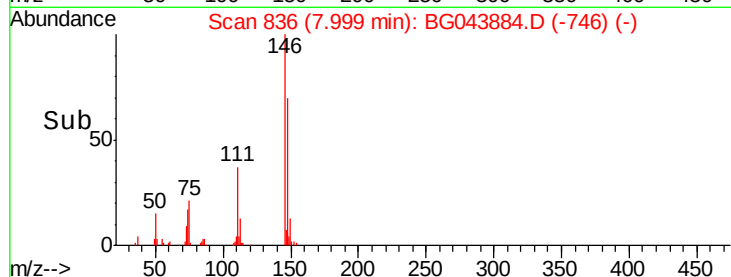
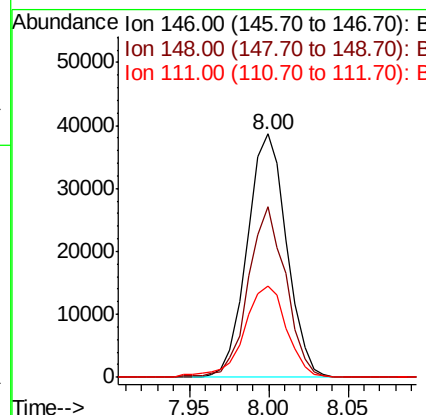
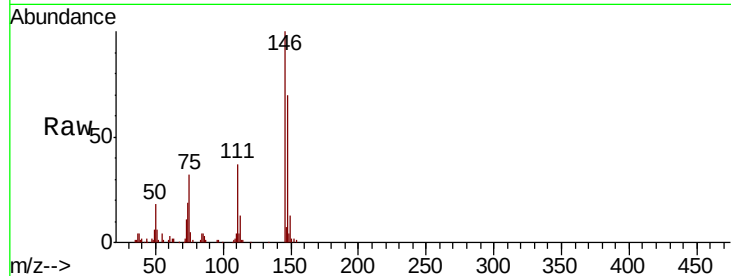
#13
1,4-Dichlorobenzene
Concen: 7.766 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	70.0	51.2	76.8
111	37.3	33.1	49.7

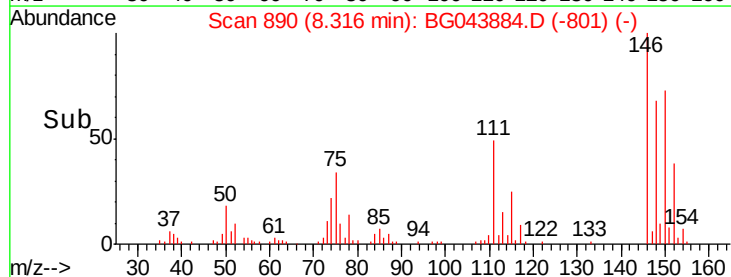
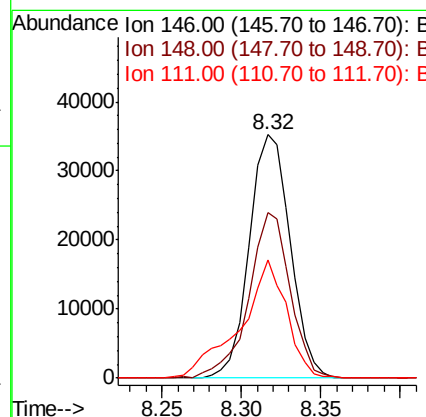
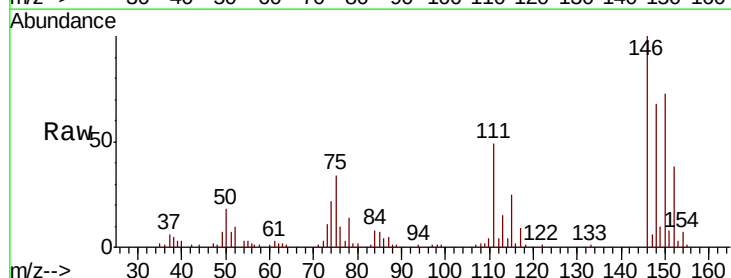
Manual Integrations
APPROVED

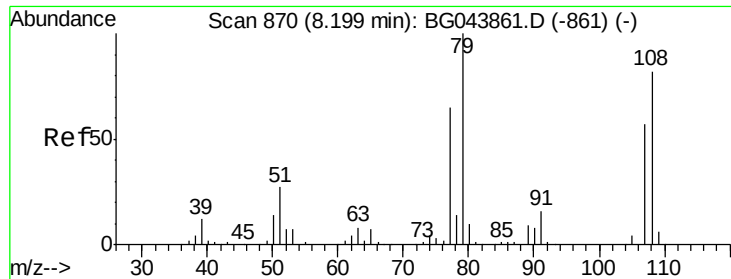
mohammad
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#14
1,2-Dichlorobenzene
Concen: 7.681 ng
RT: 8.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.8	51.7	77.5
111	48.7	34.4	51.6





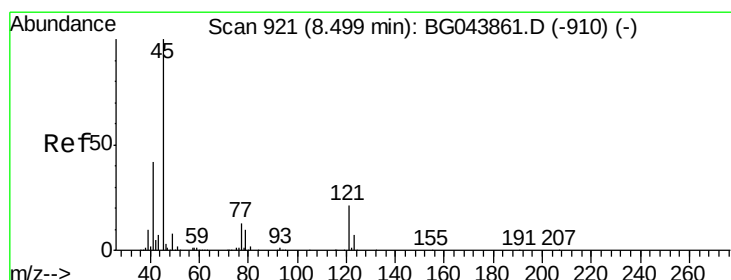
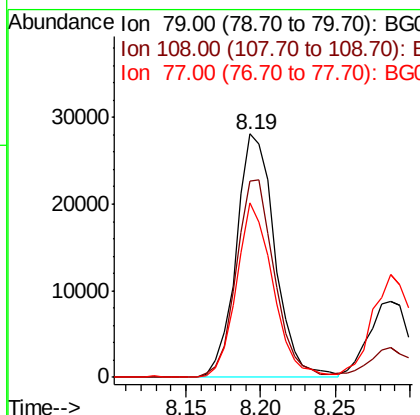
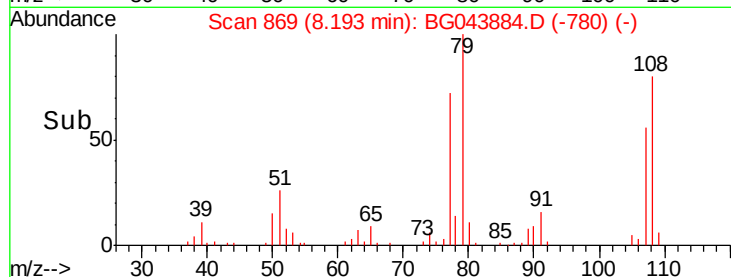
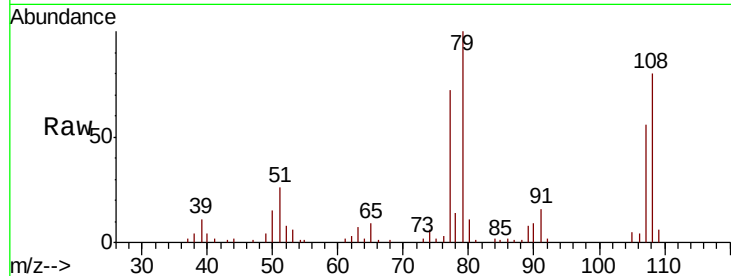
#15
Benzyl Alcohol
Concen: 7.222 ng
RT: 8.19 min Scan# 869
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
79	100		
108	80.4	65.6	98.4
77	71.8	52.0	78.0

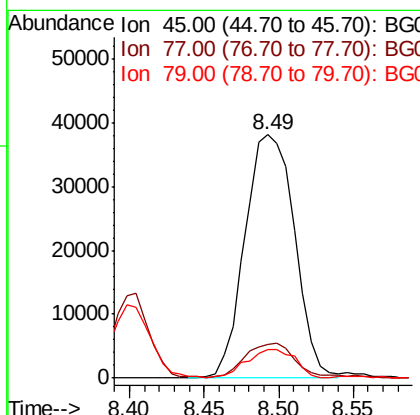
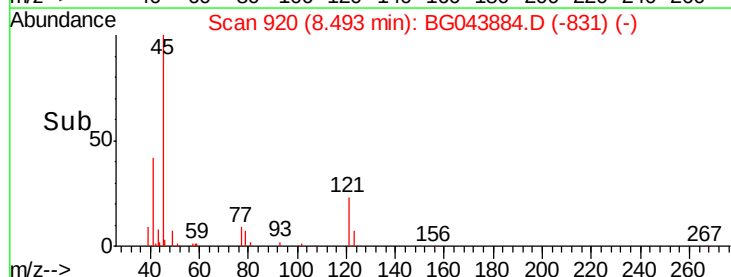
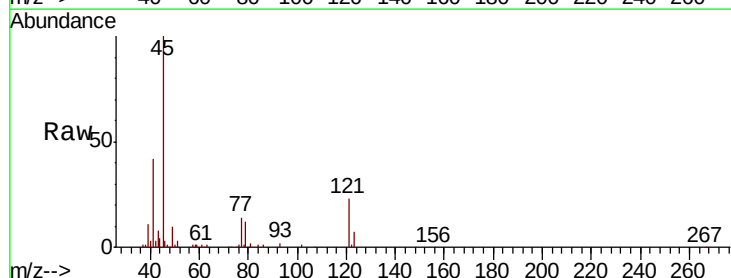
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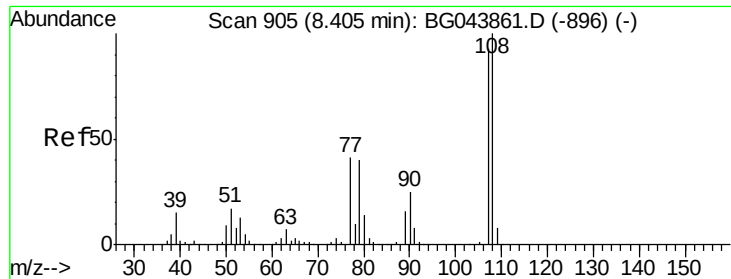
mohammad
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#16
2,2'-oxybis(1-chloropropane)
Concen: 7.216 ng
RT: 8.49 min Scan# 920
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.8
79	11.7	0.0	31.0





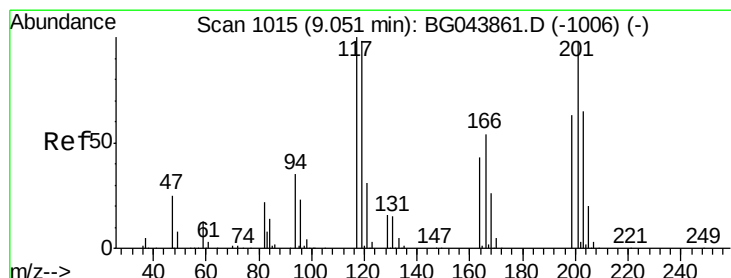
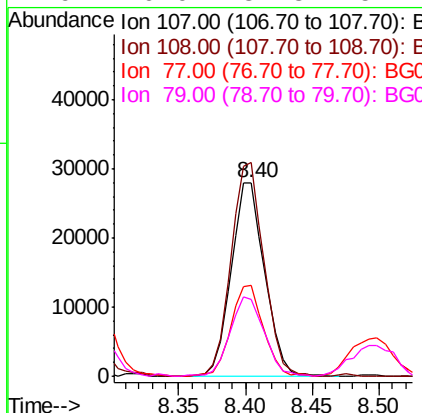
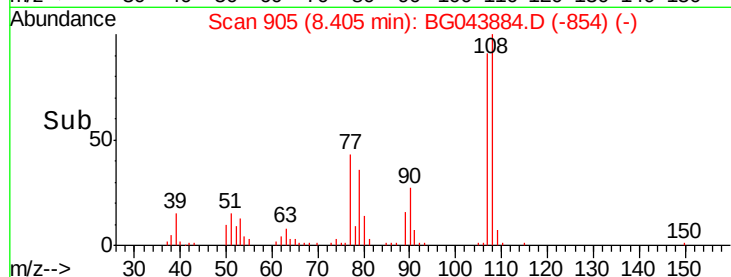
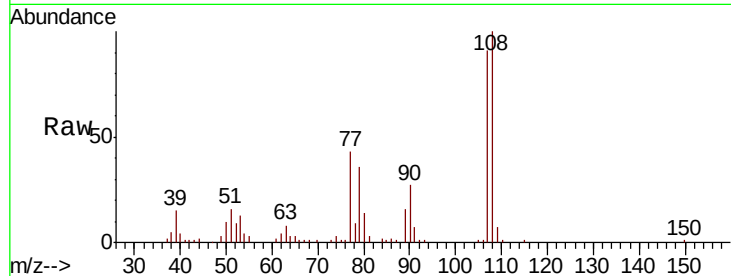
#17
2-Methylphenol
Concen: 7.391 ng
RT: 8.40 min Scan# 905
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	107	Resp:	48737
Ion Ratio	Lower	Upper	
107	100		
108	110.5	86.1	129.1
77	47.2	35.4	53.0
79	40.0	34.8	52.2

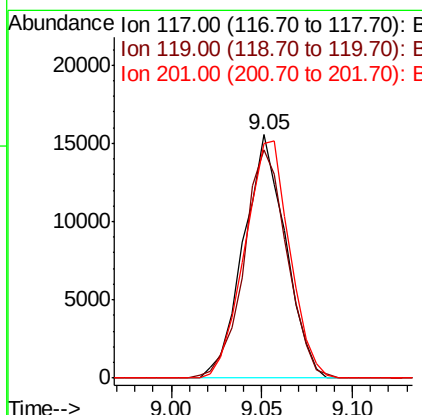
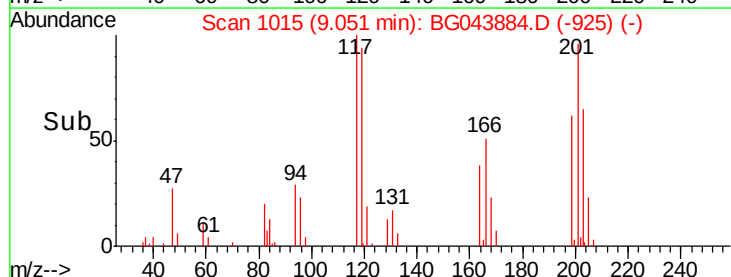
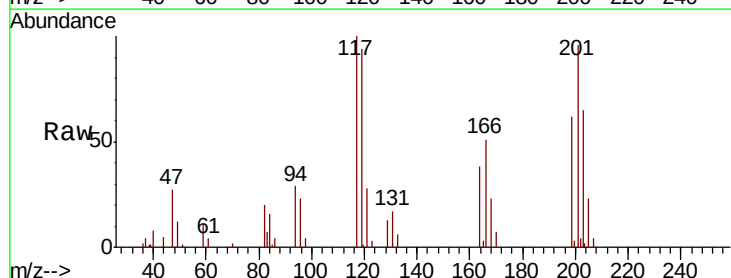
Manual Integrations
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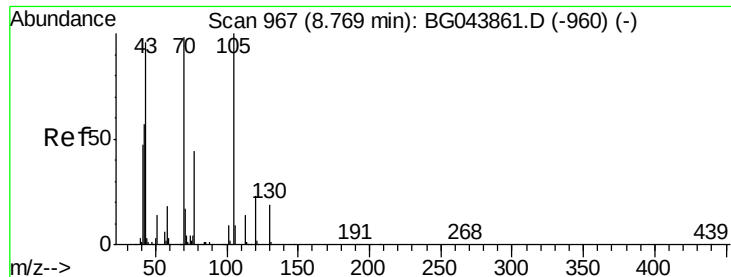
mohammad
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#18
Hexachloroethane
Concen: 7.508 ng
RT: 9.05 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion:	117	Resp:	25057
Ion Ratio	Lower	Upper	
117	100		
119	95.3	78.1	117.1
201	96.4	78.6	117.8





#19

n-Nitroso-di-n-propylamine

Concen: 7.759 ng

RT: 8.76 min Scan# 966

Delta R.T. -0.01 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Instrument :

BNA_G

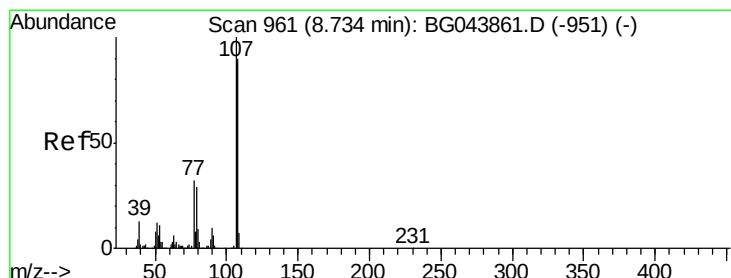
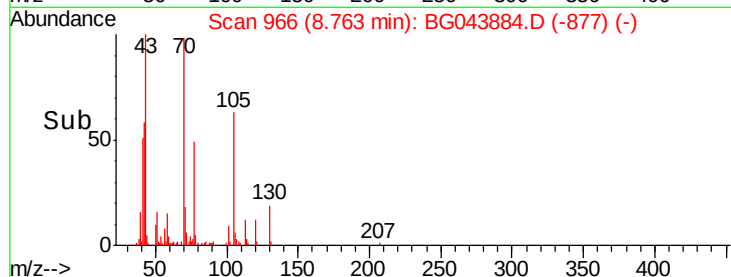
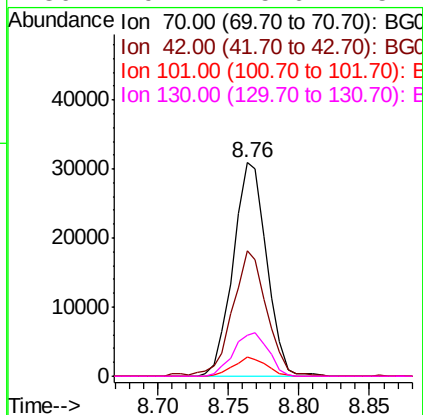
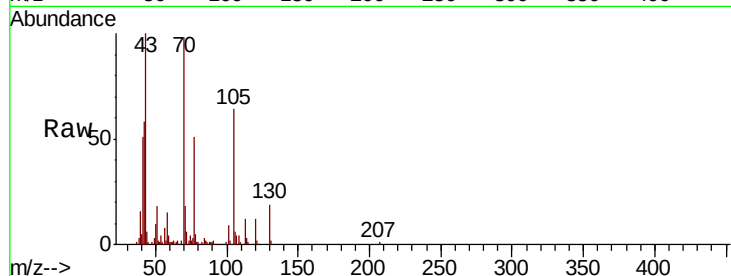
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	70	Resp:	51108
Ion Ratio	Lower	Upper	
70	100		
42	59.0	47.0	70.4
101	9.2	7.2	10.8
130	19.4	15.6	23.4

Manual Integrations
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#20

3+4-Methylphenols

Concen: 7.420 ng

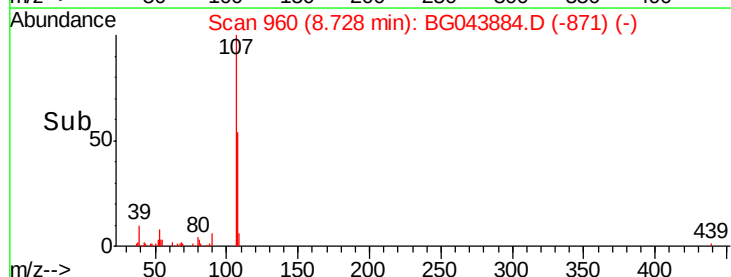
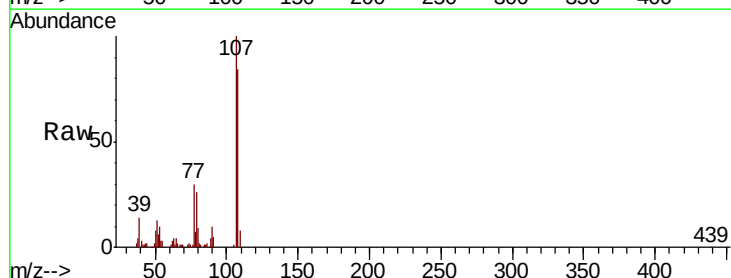
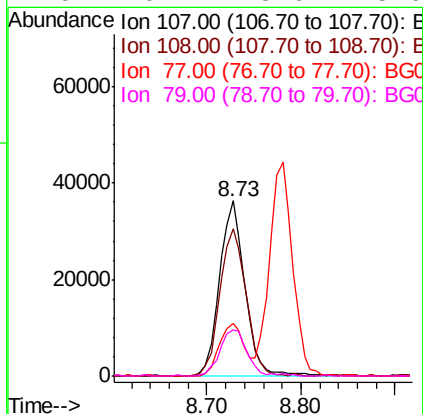
RT: 8.73 min Scan# 960

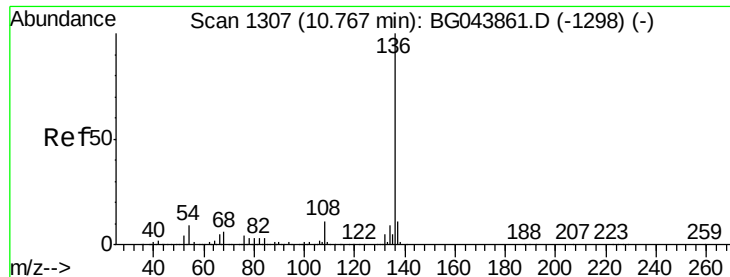
Delta R.T. -0.01 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Tgt Ion:	107	Resp:	68255
Ion Ratio	Lower	Upper	
107	100		
108	84.1	70.3	110.3
77	30.3	12.4	52.4
79	26.1	8.6	48.6





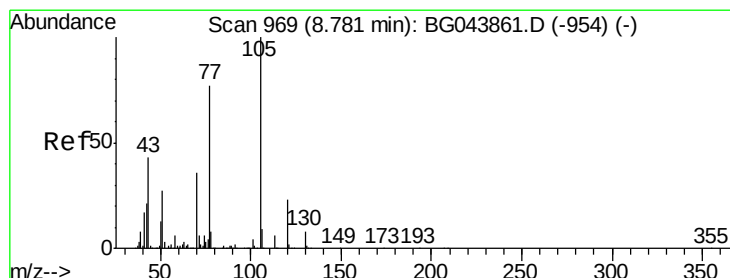
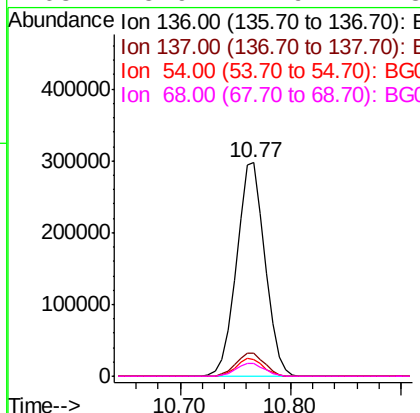
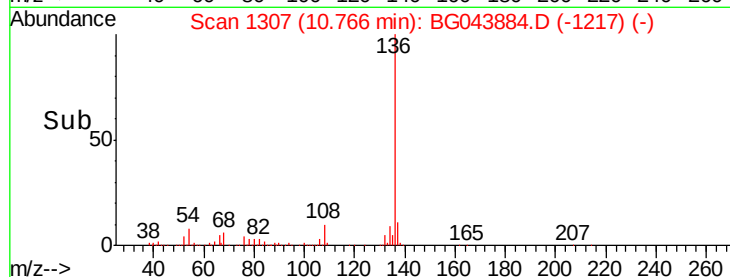
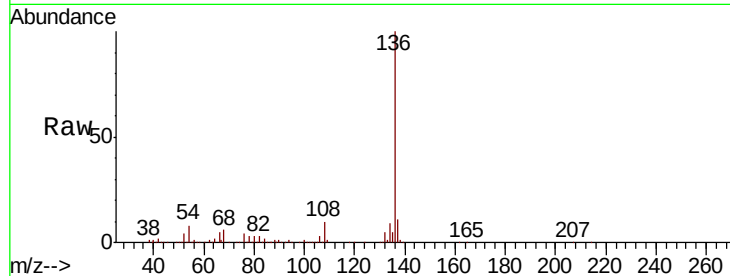
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		536653		
137	11.0	8.8	13.2		
54	8.1	7.0	10.4		
68	5.9	4.9	7.3		

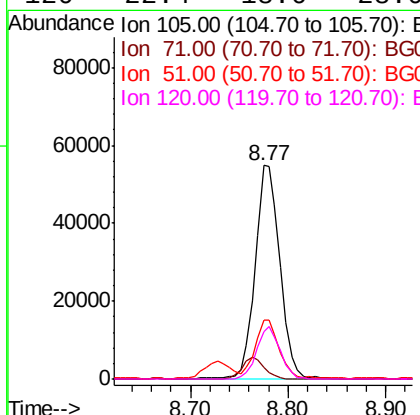
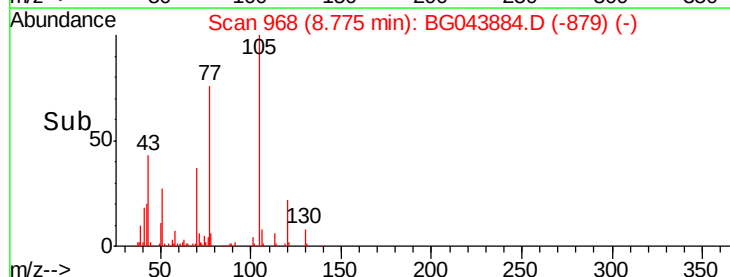
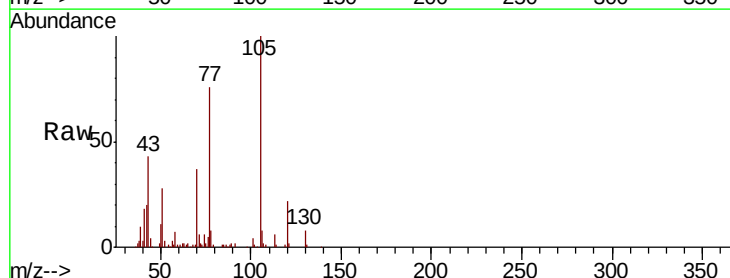
Manual Integrations
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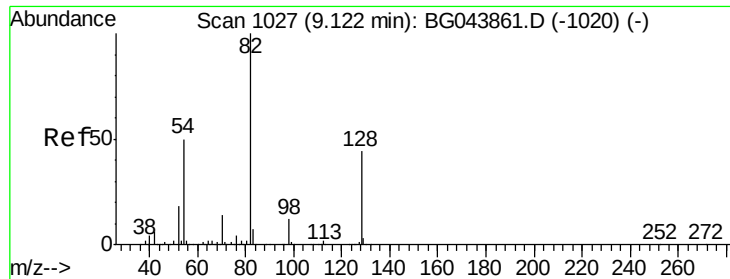
mohammad
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#22
Acetophenone
Concen: 7.363 ng
RT: 8.77 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		98236		
71	5.7	4.8	7.2		
51	27.7	21.4	32.0		
120	22.4	18.6	28.0		





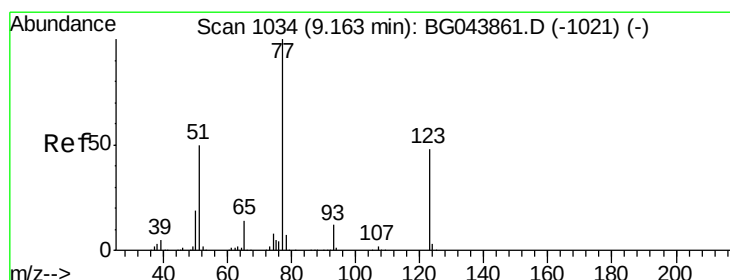
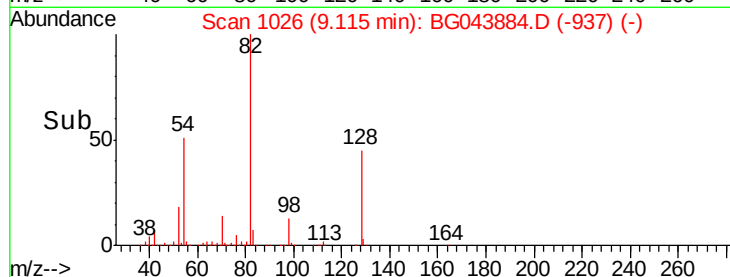
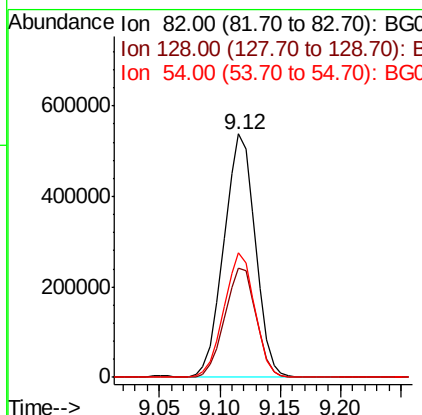
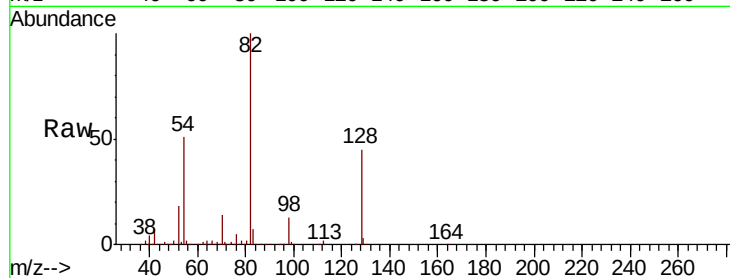
#23
Nitrobenzene-d5
Concen: 96.214 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	35.1	52.7
54	51.0	40.1	60.1

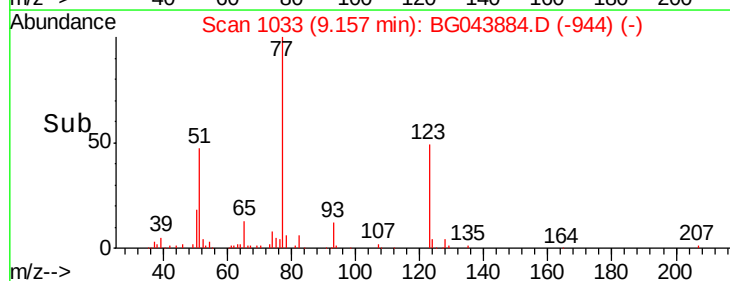
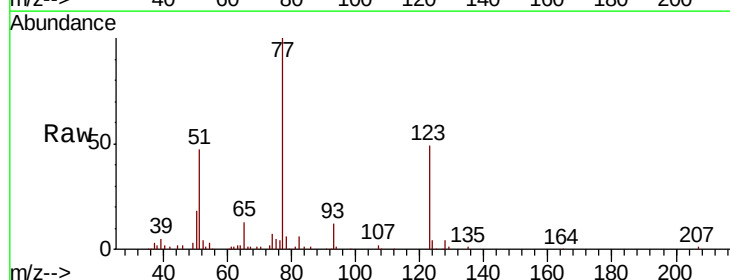
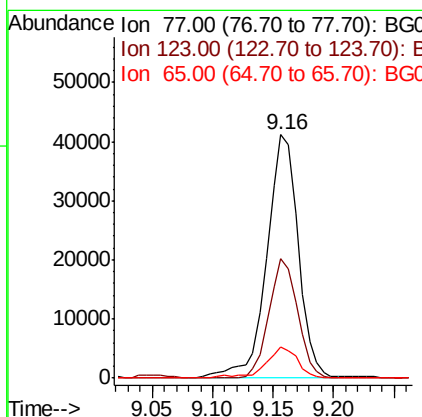
Manual Integrations
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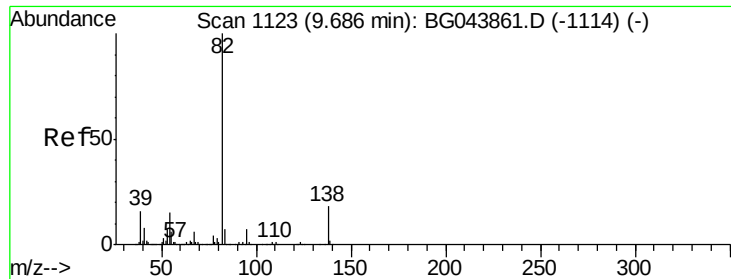
mohammad
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#24
Nitrobenzene
Concen: 7.462 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.2	38.7	58.1
65	12.6	11.1	16.7





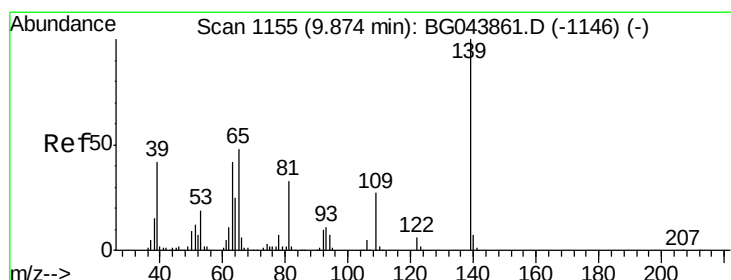
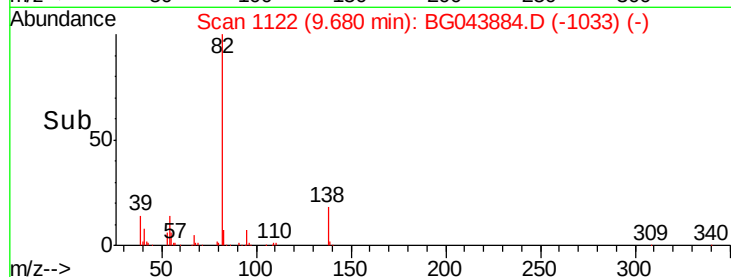
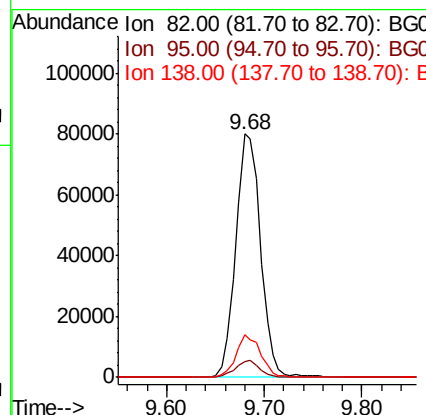
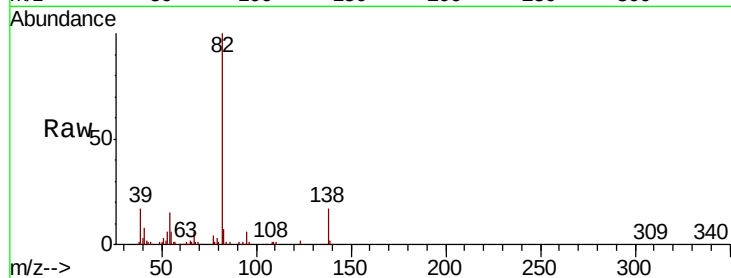
#25
Isophorone
Concen: 7.509 ng
RT: 9.68 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	6.5	5.8	8.6	
138	17.5	14.6	22.0	

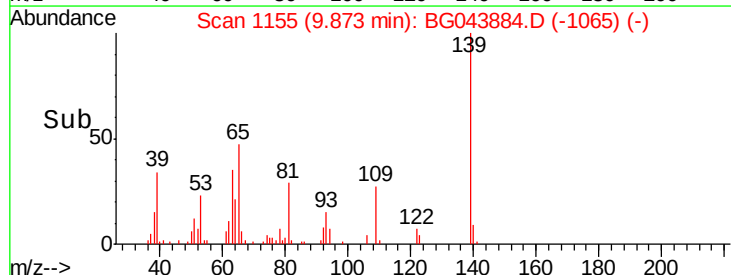
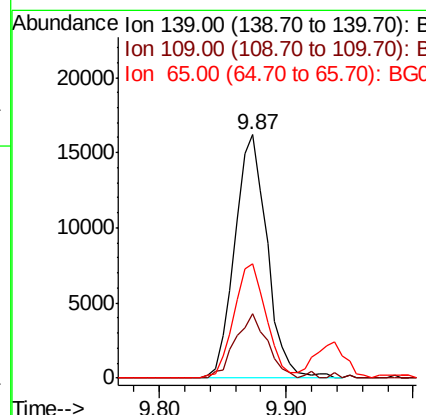
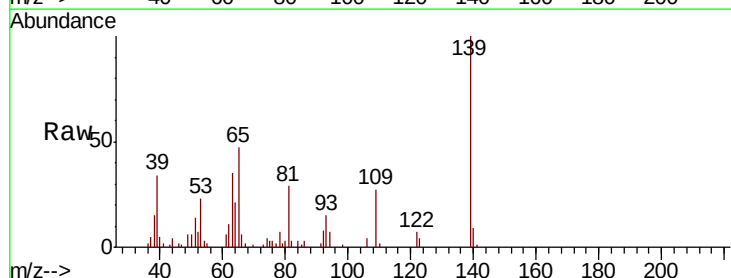
Manual Integrations
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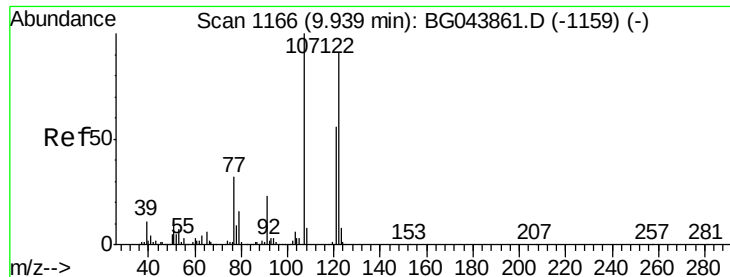
mohammad
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#26
2-Nitrophenol
Concen: 6.063 ng
RT: 9.87 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	26.6	21.3	31.9	
65	47.2	38.6	57.8	





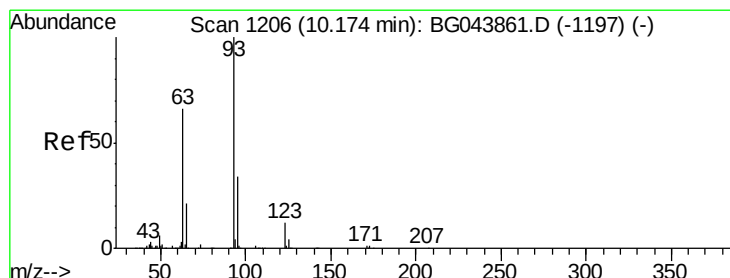
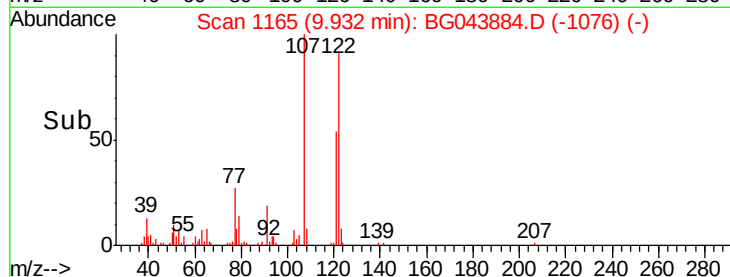
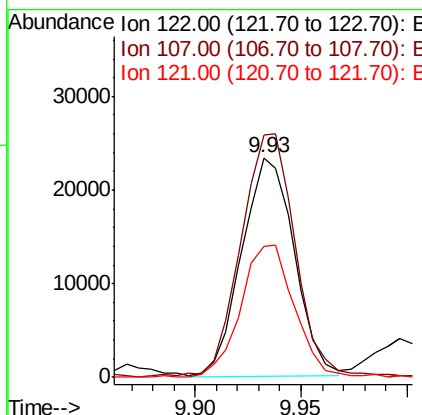
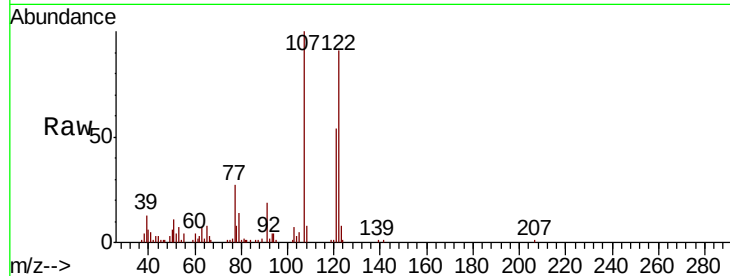
#27
2,4-Dimethylphenol
Concen: 5.679 ng
RT: 9.93 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
122	100	40185		
107	110.1	88.0	132.0	
121	59.8	49.0	73.4	

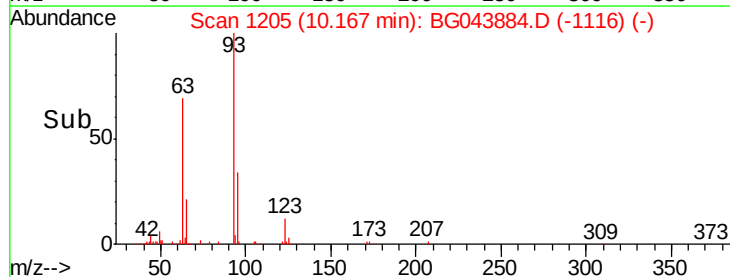
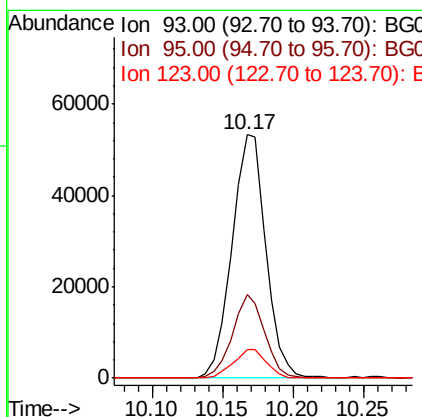
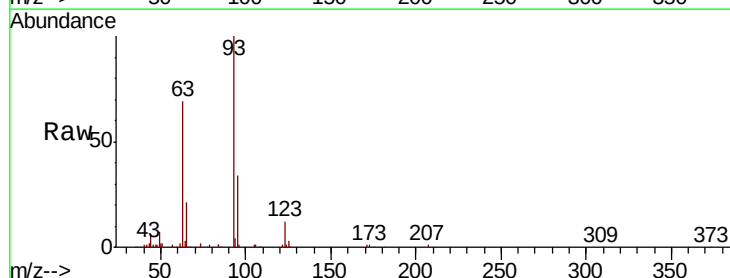
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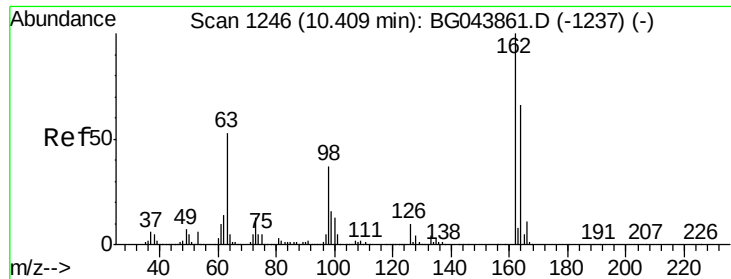
mohammad
1/6/2020 11:41:40 AM



#28
bis(2-Chloroethoxy)methane
Concen: 7.121 ng
RT: 10.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	89352		
95	34.2	27.2	40.8	
123	11.6	9.7	14.5	





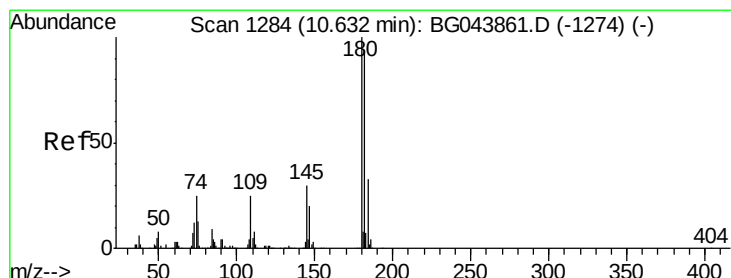
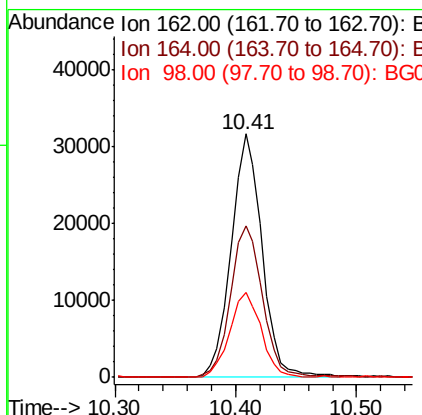
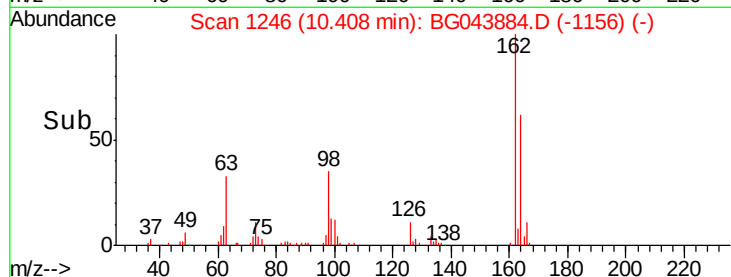
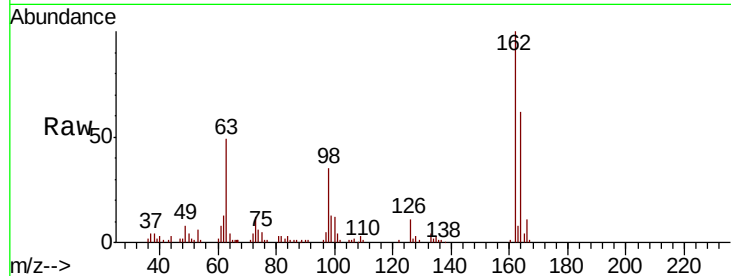
#29
 2,4-Dichlorophenol
 Concen: 6.672 ng
 RT: 10.41 min Scan# 1246
 Delta R.T. -0.00 min
 Lab File: BG043884.D
 Acq: 3 Jan 2020 12:12

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
162	100		
164	62.2	46.3	86.3
98	35.0	17.3	57.3

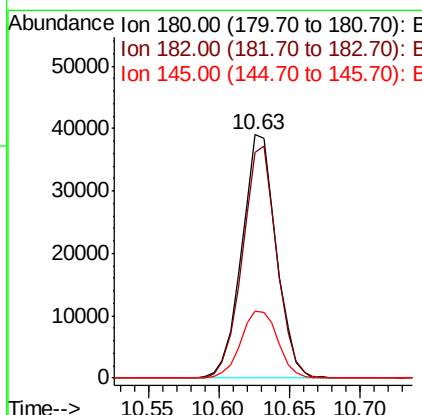
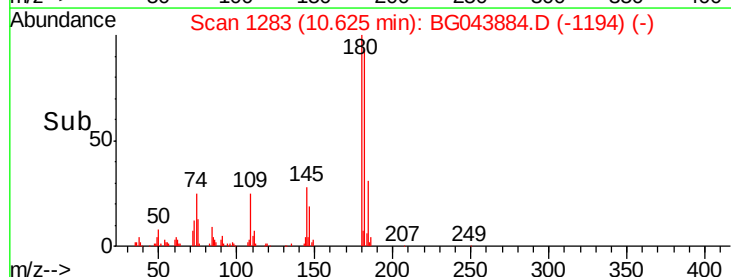
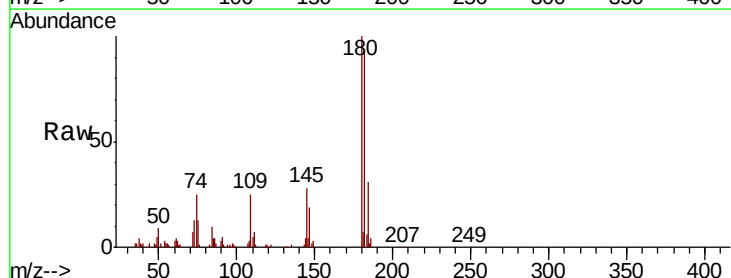
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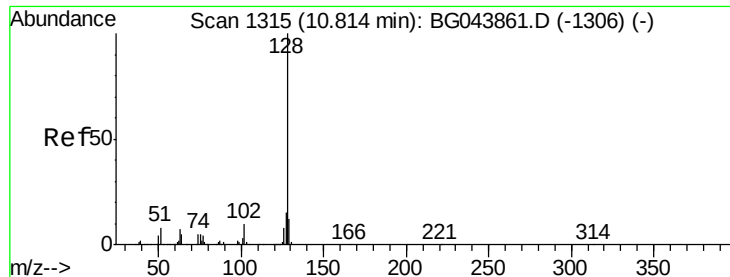
mohammad
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#30
 1,2,4-Trichlorobenzene
 Concen: 7.033 ng
 RT: 10.63 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BG043884.D
 Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	75.0	112.4
145	27.5	24.2	36.4





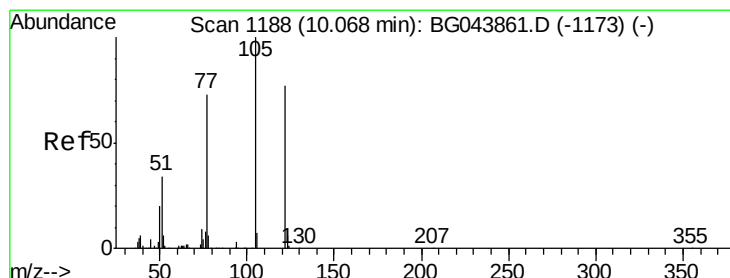
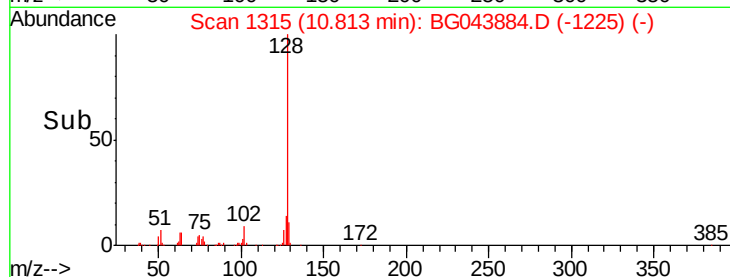
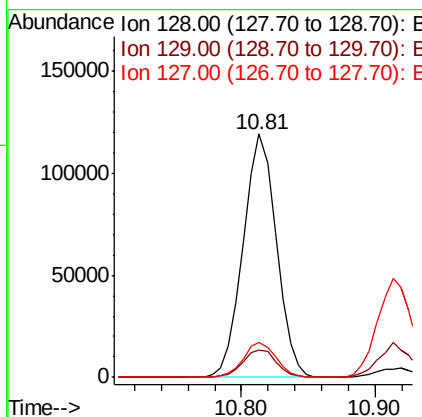
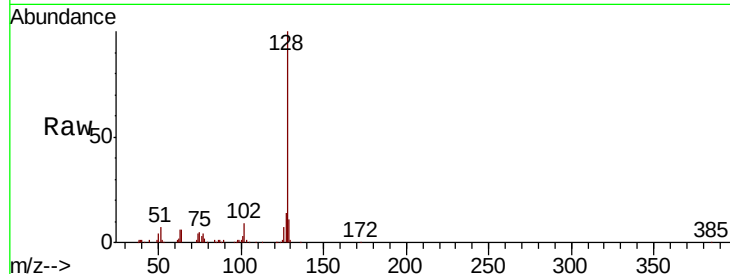
#31
Naphthalene
Concen: 7.909 ng
RT: 10.81 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.8	14.6
127	14.2	12.0	18.0

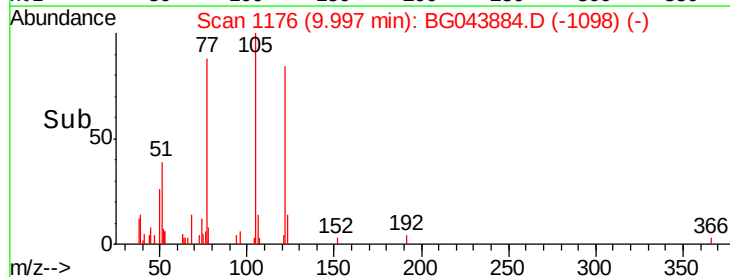
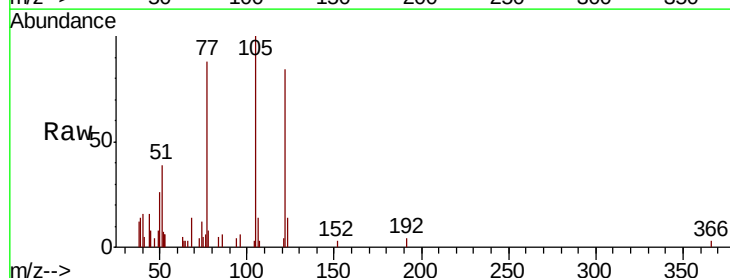
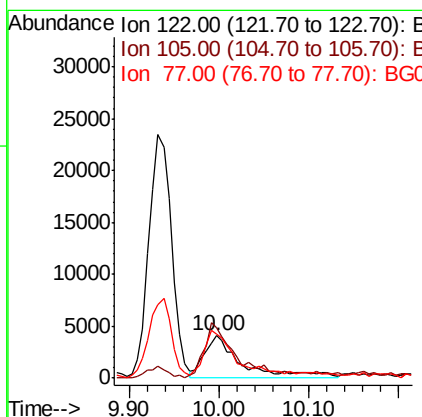
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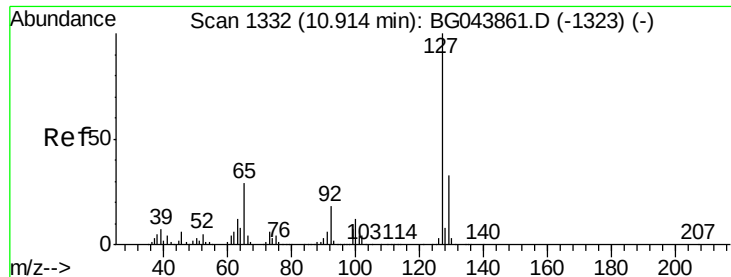
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#32
Benzoic acid
Concen: 2.275 ng m
RT: 10.00 min Scan# 1176
Delta R.T. -0.07 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
122	100		
105	118.8	106.4	146.4
77	104.2	74.6	114.6





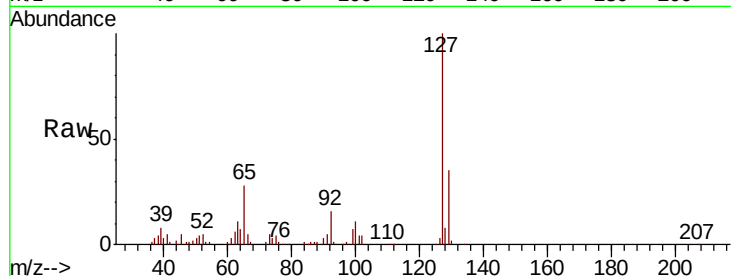
#33
4-Chloroaniline
Concen: 7.116 ng
RT: 10.91 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

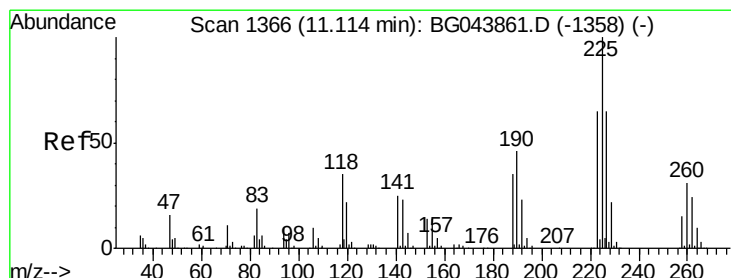
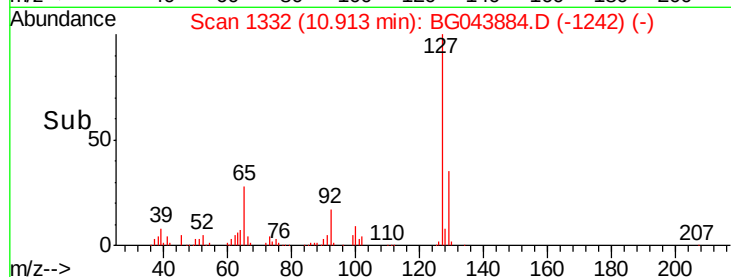
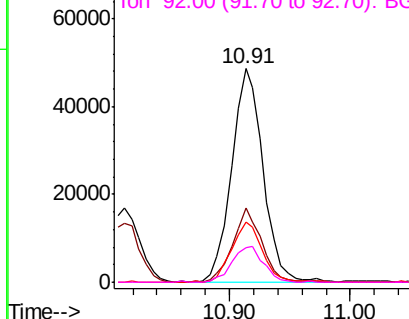
Tot Ion	Ratio	Lower	Upper
127	100		
129	35.0	26.6	40.0
65	28.4	23.3	34.9
92	16.5	14.7	22.1

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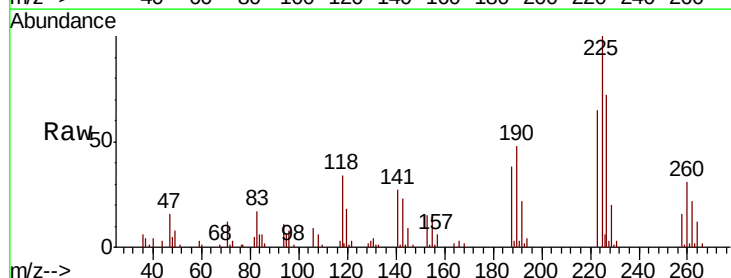


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

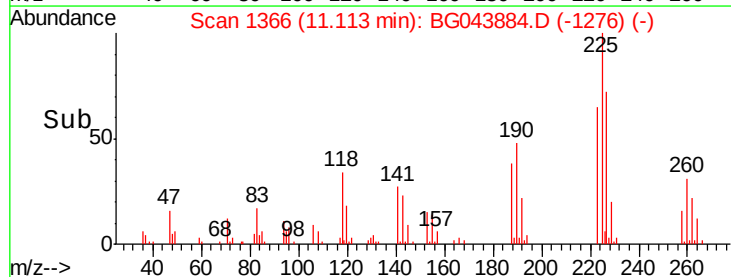
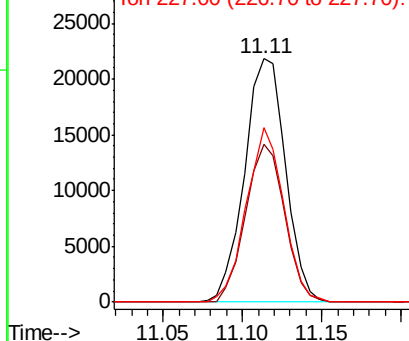


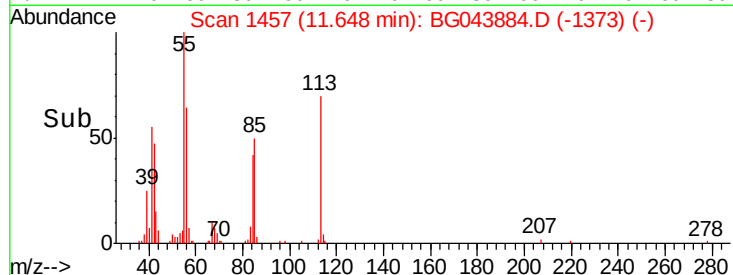
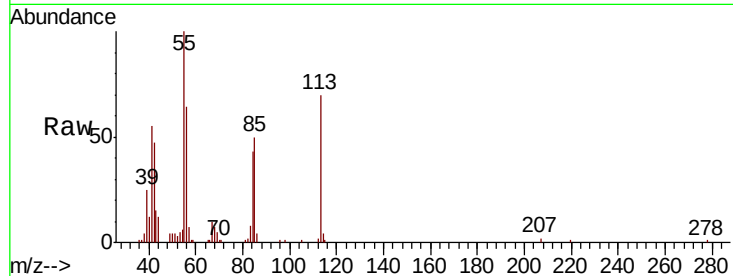
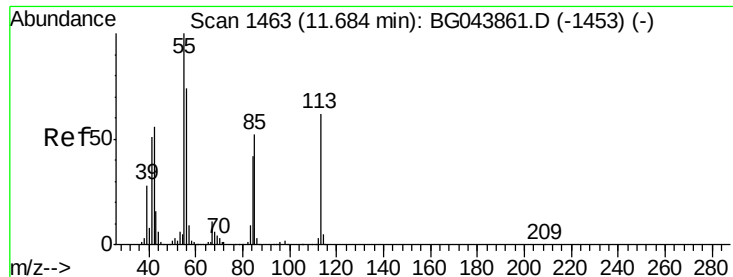
#34
Hexachlorobutadiene
Concen: 6.785 ng
RT: 11.11 min Scan# 1366
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	52.2	78.4
227	71.9	52.1	78.1



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





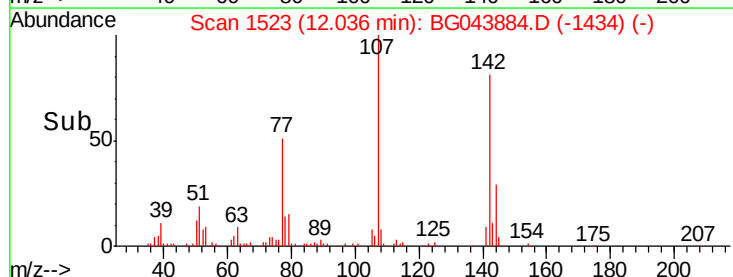
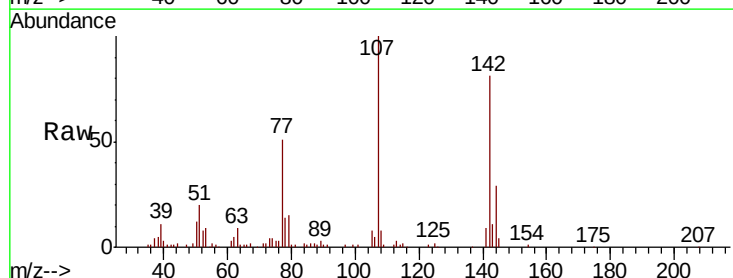
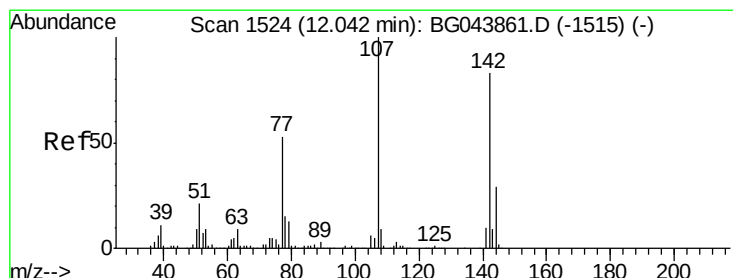
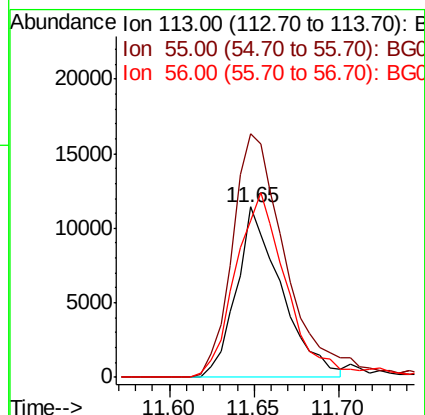
#35
Caprolactam
Concen: 6.765 ng
RT: 11.65 min Scan# 1457
Delta R.T. -0.04 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
113	100		
55	143.0	142.5	182.5
56	91.7	101.4	141.4#

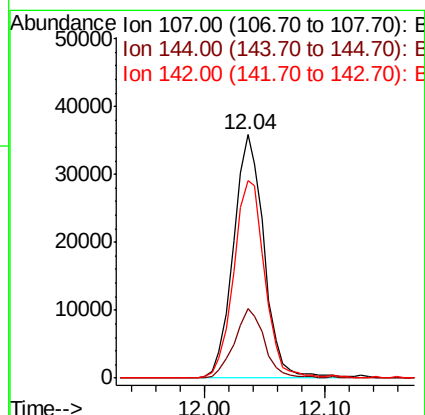
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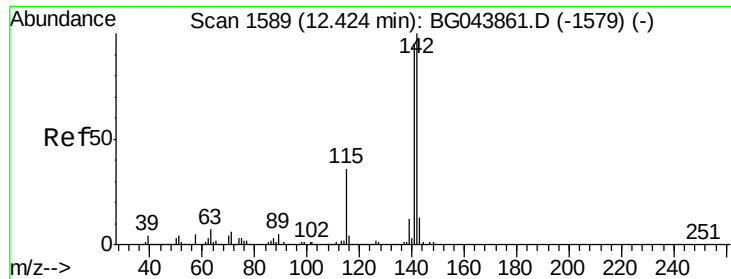
mohammad
1/6/2020 11:41:40 AM



#36
4-Chloro-3-methylphenol
Concen: 7.041 ng
RT: 12.04 min Scan# 1523
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
107	100		
144	28.6	23.4	35.2
142	81.0	66.3	99.5





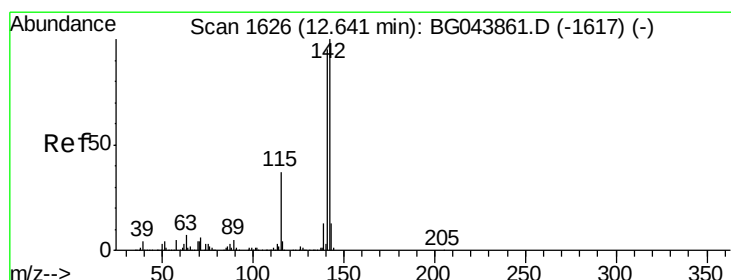
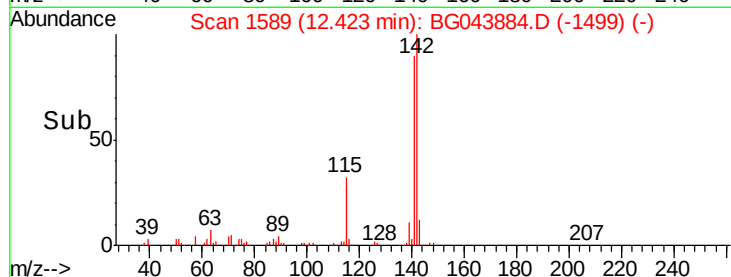
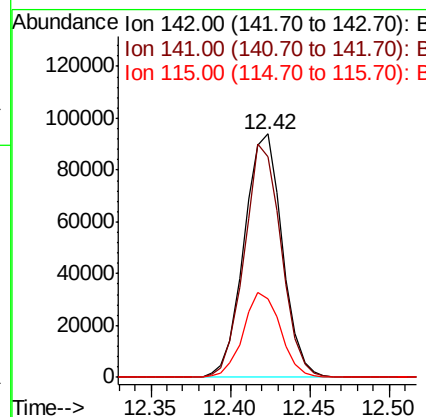
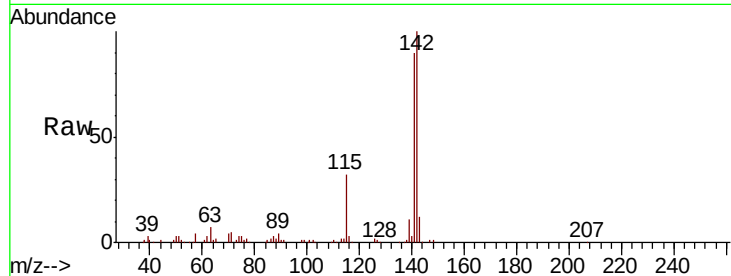
#37
2-Methylnaphthalene
Concen: 8.022 ng
RT: 12.42 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	75.8	113.8
115	32.5	28.6	42.8

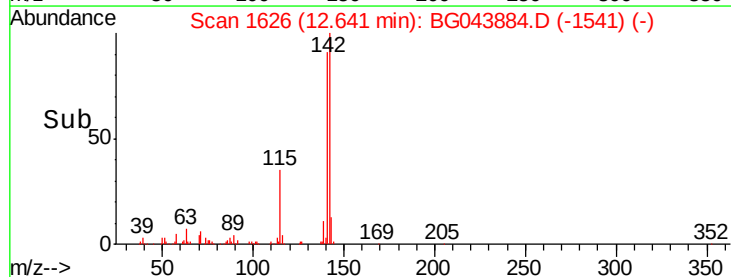
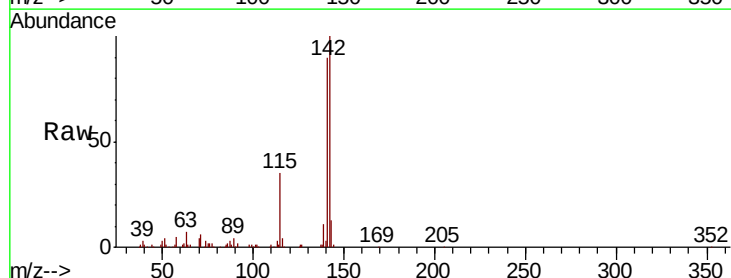
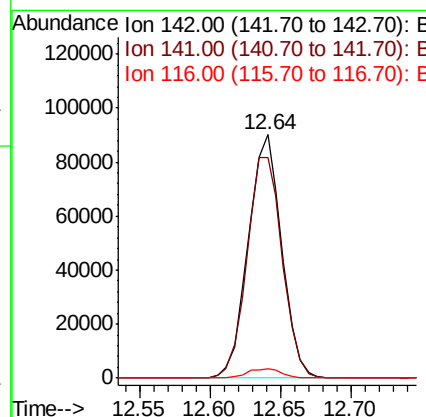
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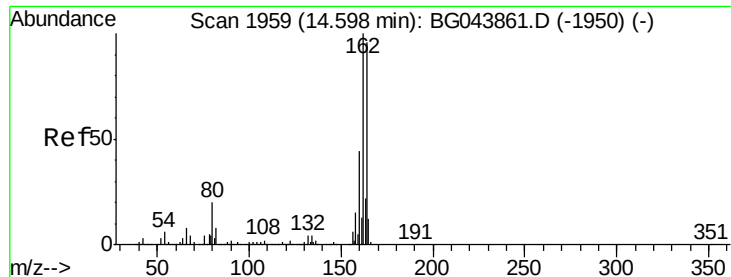
mohammad
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#38
1-Methylnaphthalene
Concen: 8.062 ng
RT: 12.64 min Scan# 1626
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	76.0	114.0
116	4.1	3.1	4.7





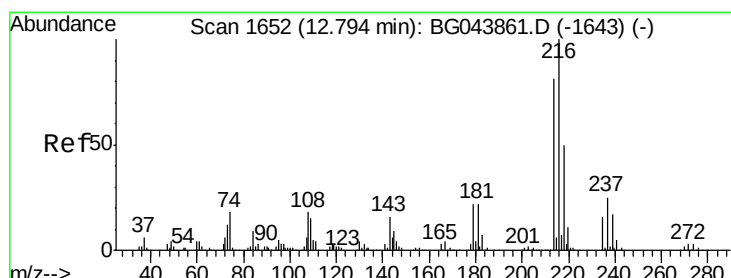
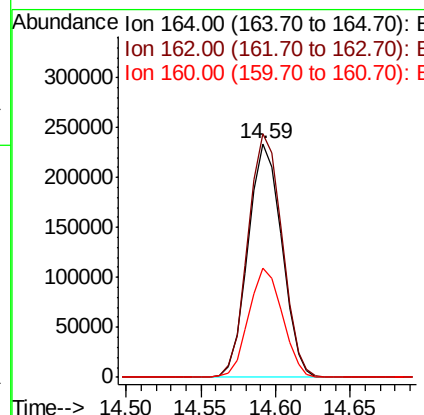
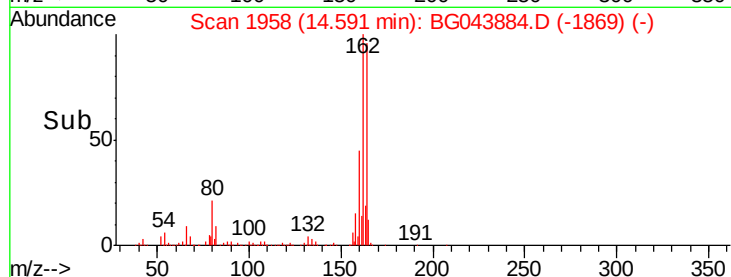
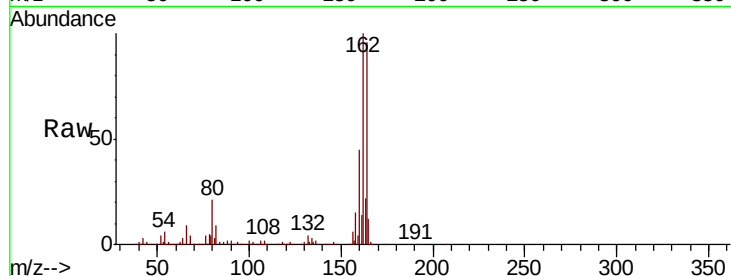
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.1	83.0	124.4	
160	46.6	36.1	54.1	

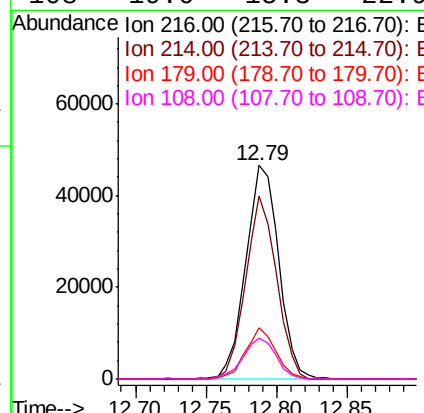
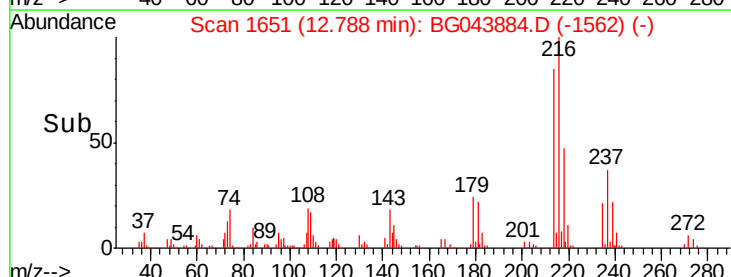
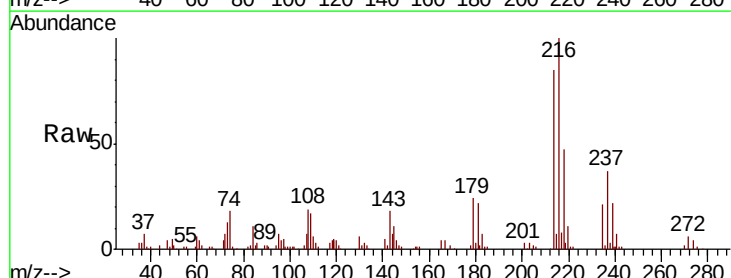
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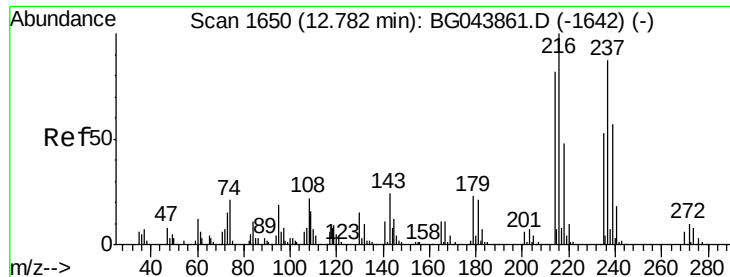
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.109 ng
RT: 12.79 min Scan# 1651
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	80.1	63.8	95.8	
179	21.8	17.3	25.9	
108	19.0	15.3	22.9	





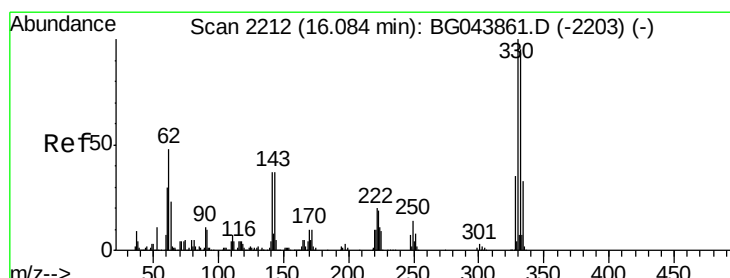
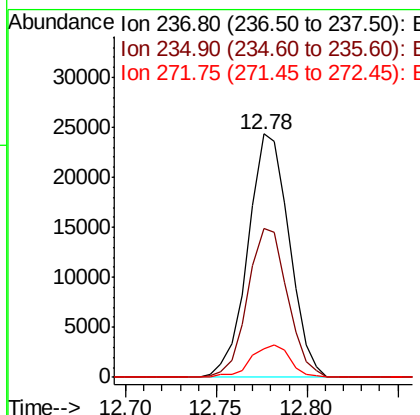
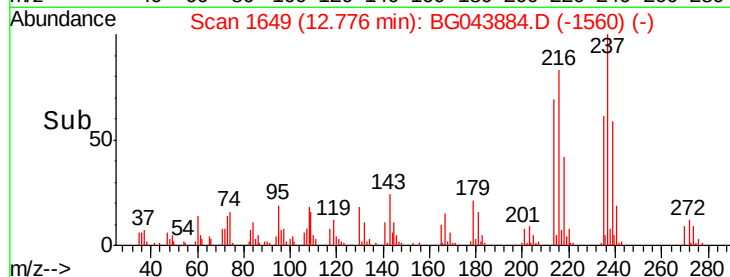
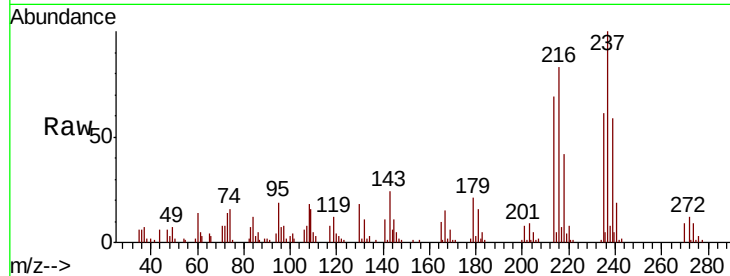
#41
Hexachlorocyclopentadiene
Concen: 6.922 ng
RT: 12.78 min Scan# 1649
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	61.1	41.1	81.1
272	11.7	0.0	31.7

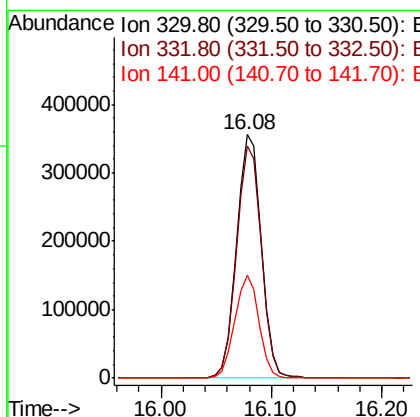
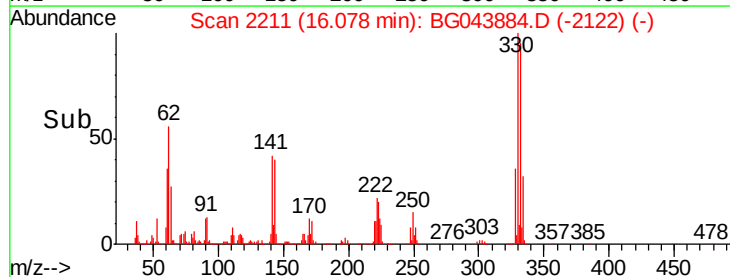
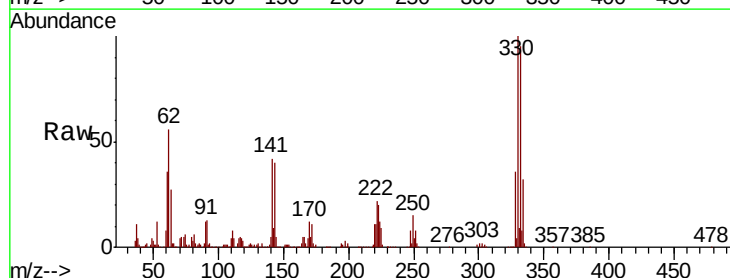
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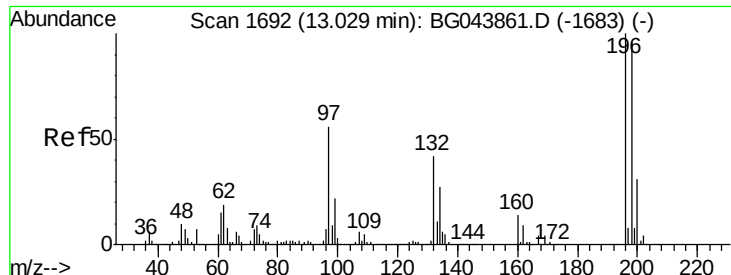
mohammad
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#42
2,4,6-Tribromophenol
Concen: 146.347 ng
RT: 16.08 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	96.1	77.2	115.8
141	41.4	33.1	49.7





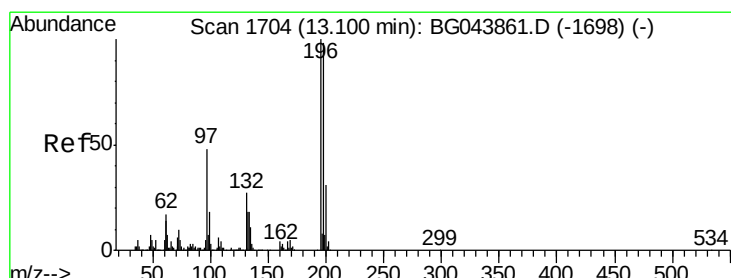
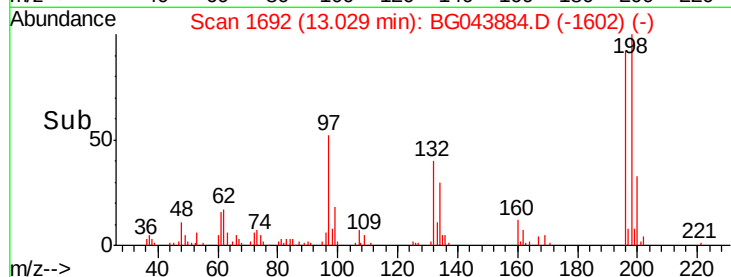
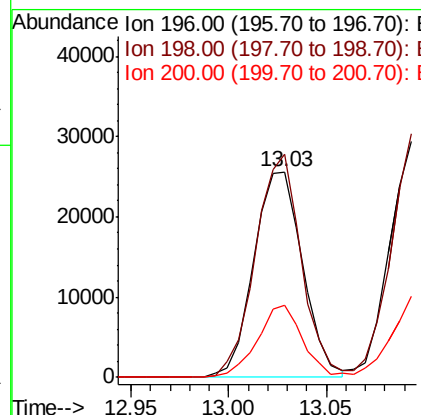
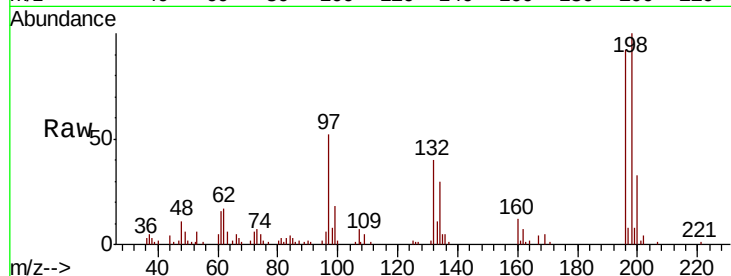
#43
2,4,6-Trichlorophenol
Concen: 6.021 ng
RT: 13.03 min Scan# 1692
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
196	100		
198	108.4	76.6	115.0
200	35.4	24.6	37.0

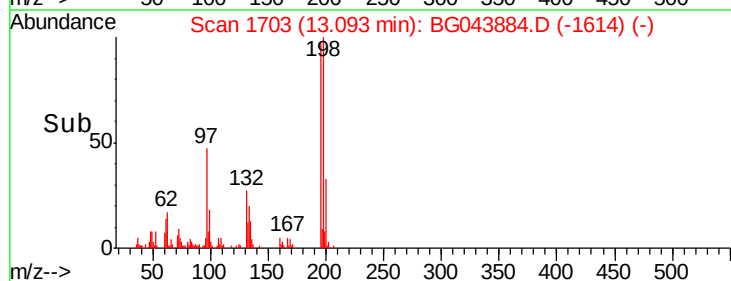
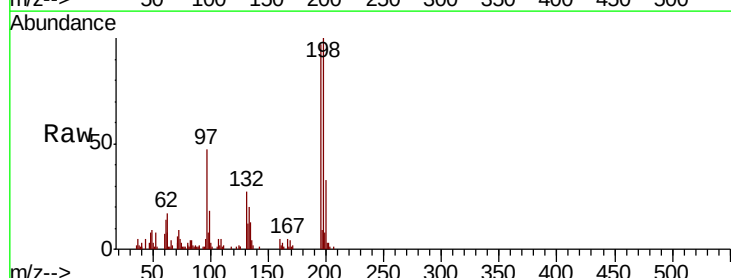
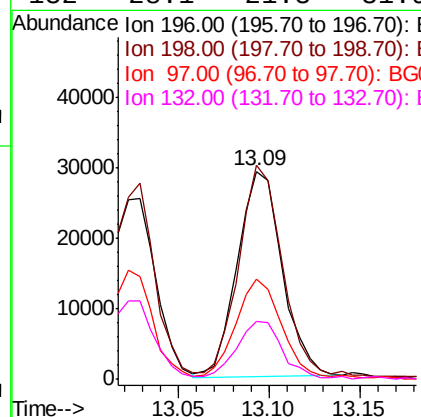
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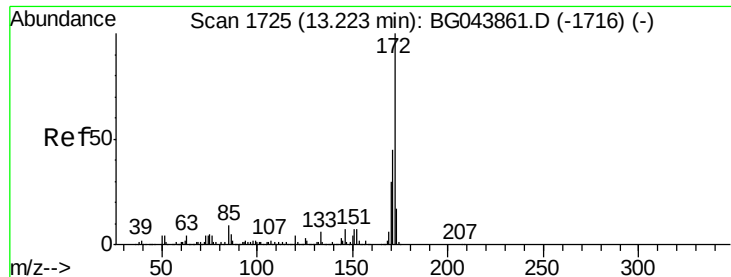
mohammad
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#44
2,4,5-Trichlorophenol
Concen: 6.571 ng
RT: 13.09 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
196	100		
198	103.0	78.3	117.5
97	48.2	38.8	58.2
132	28.1	21.3	31.9





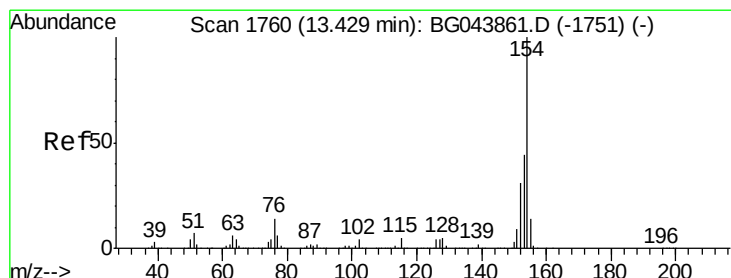
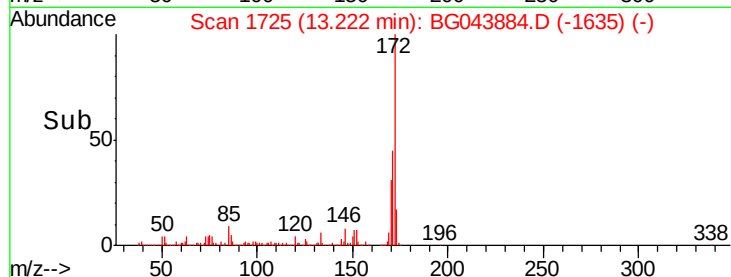
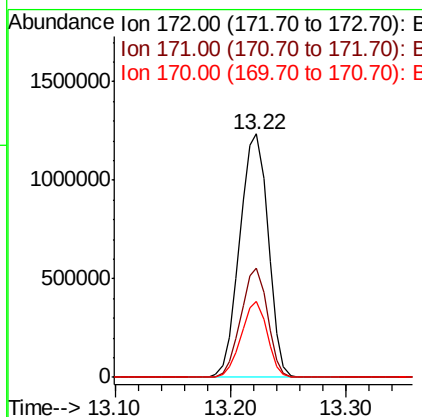
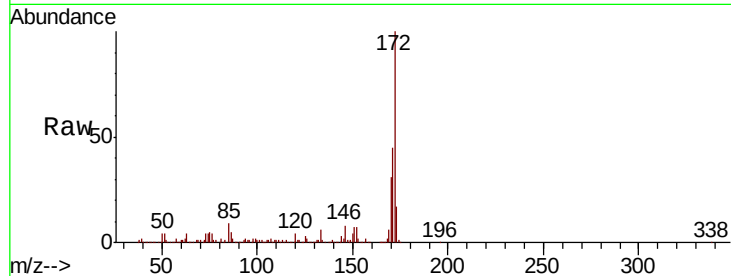
#45
2-Fluorobiphenyl
Concen: 104.592 ng
RT: 13.22 min Scan# 1725
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	44.9	35.8	53.8
170	31.1	24.2	36.4

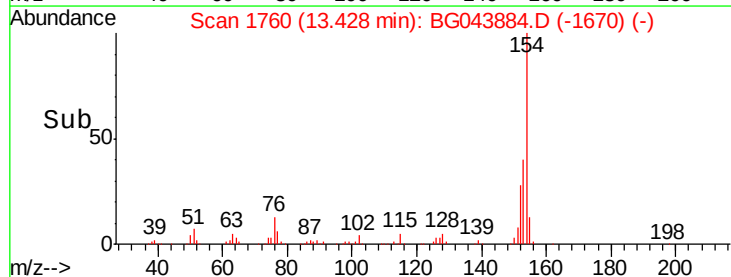
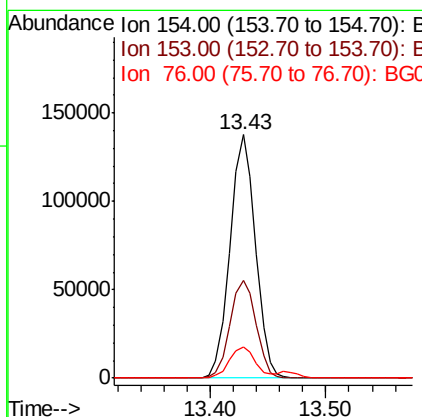
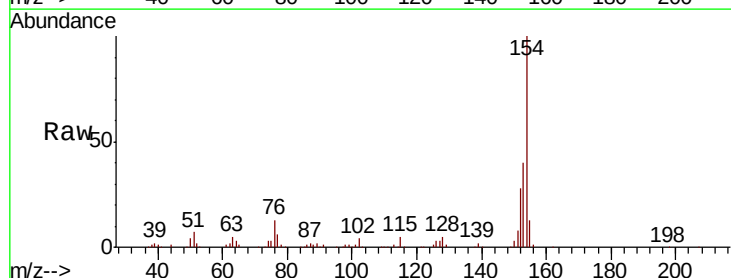
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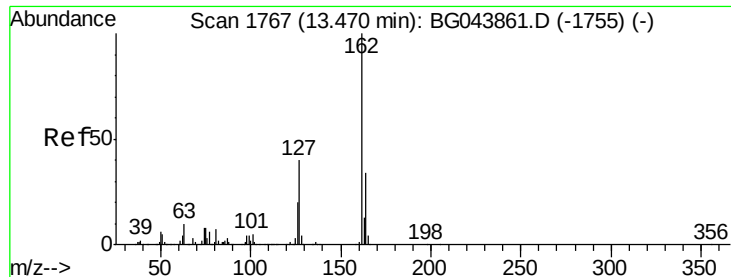
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#46
1,1'-Biphenyl
Concen: 8.004 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.2	23.6	63.6
76	12.7	0.0	34.4





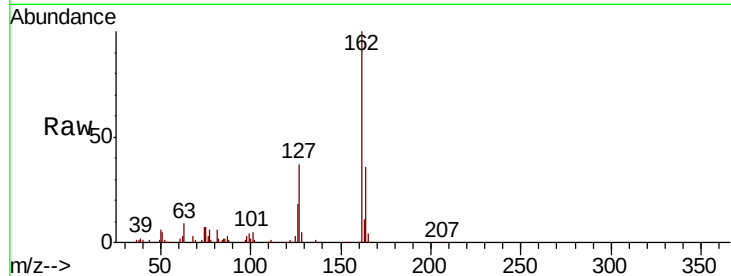
#47
2-Chloronaphthalene
Concen: 7.430 ng
RT: 13.47 min Scan# 1767
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
162	100	157465		
127	37.3		32.1	48.1
164	35.9		27.5	41.3

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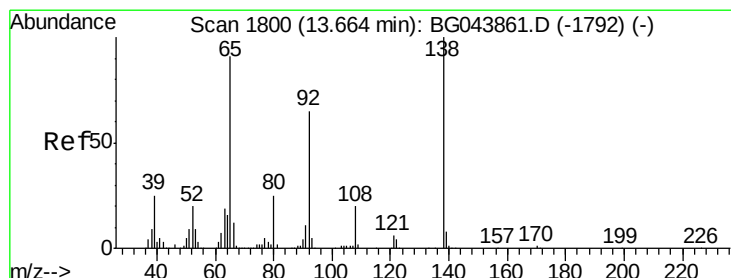
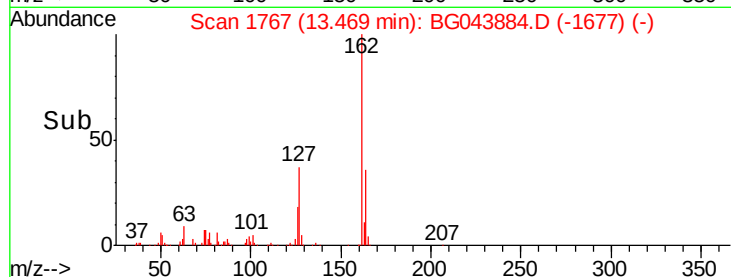
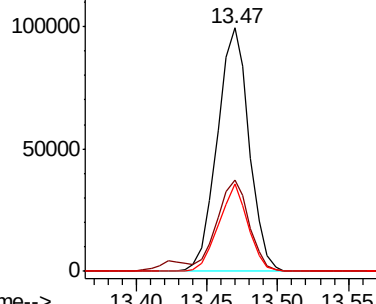


Abundance

Ion 162.00 (161.70 to 162.70): E

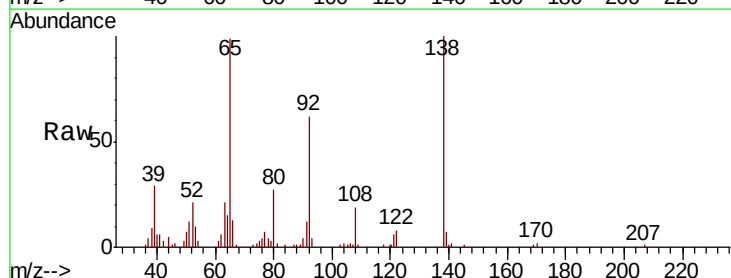
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 5.783 ng
RT: 13.66 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	39427		
92	62.4		57.4	86.2
138	101.4		88.2	132.4

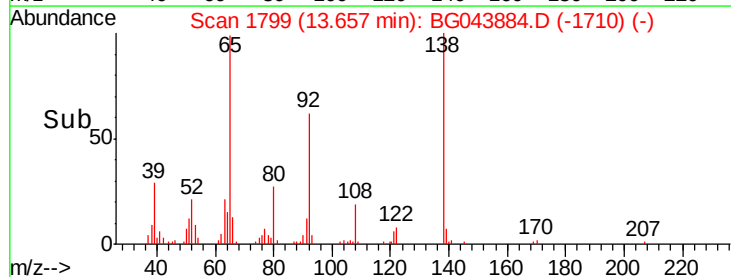
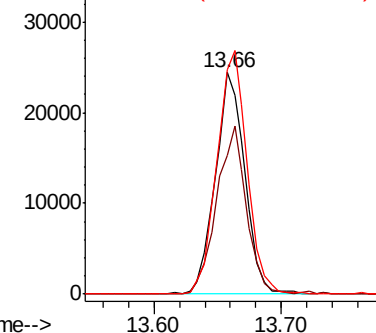


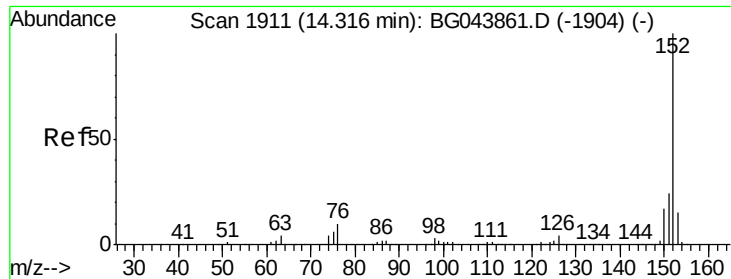
Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 8.465 ng

RT: 14.32 min Scan# 1911

Delta R.T. -0.00 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Instrument :

BNA_G

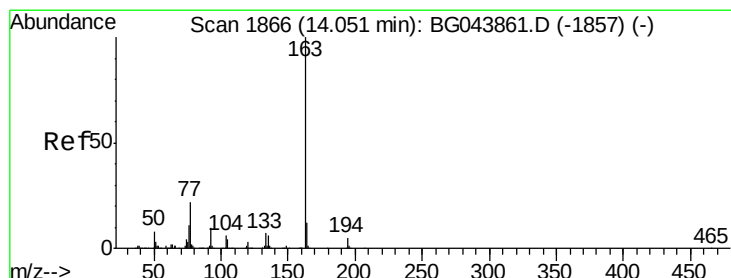
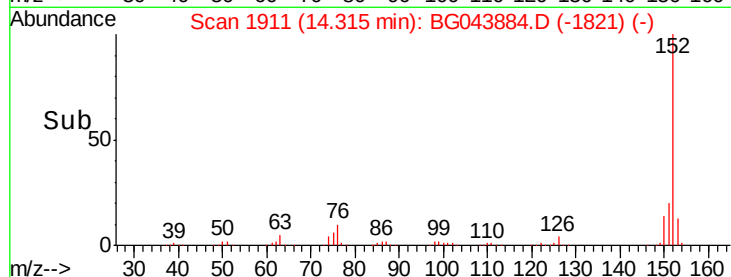
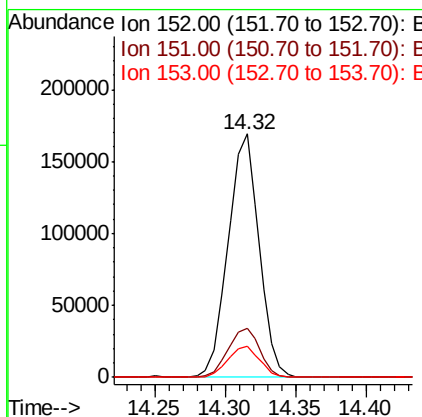
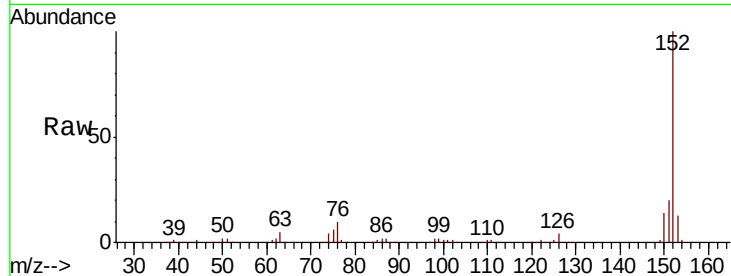
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	152	Resp:	257863
Ion Ratio	Lower	Upper	
152	100		
151	20.1	19.4	29.2
153	12.6	12.0	18.0

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#50

Dimethylphthalate

Concen: 8.306 ng

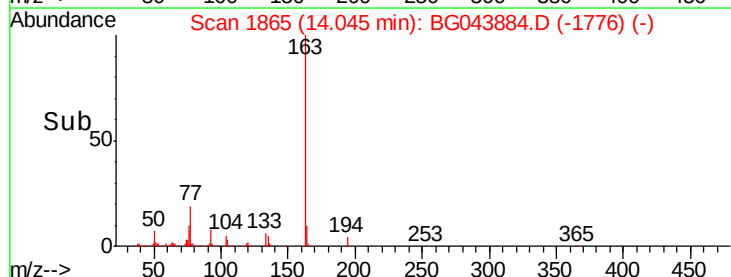
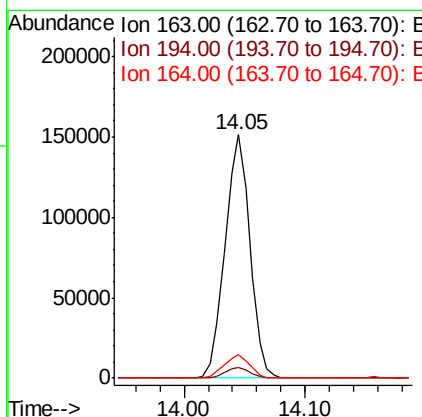
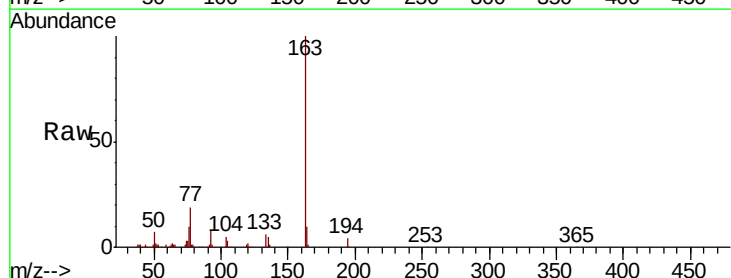
RT: 14.05 min Scan# 1865

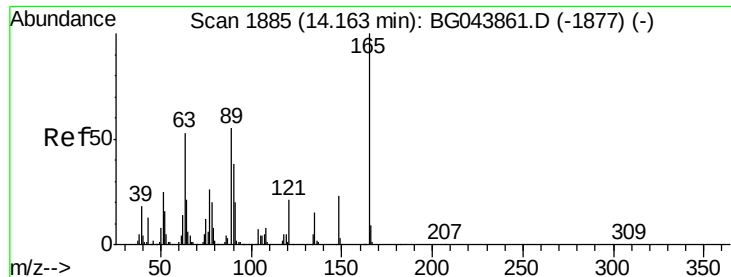
Delta R.T. -0.01 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Tgt Ion:	163	Resp:	215747
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.7	5.5
164	9.8	9.3	13.9





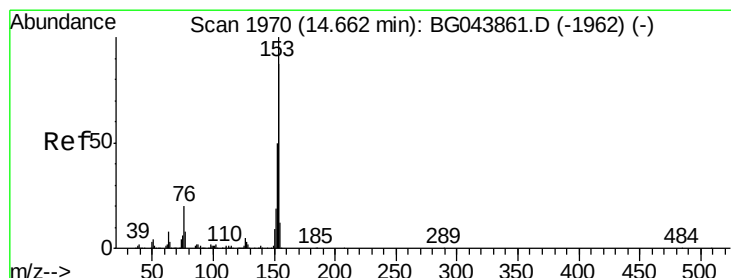
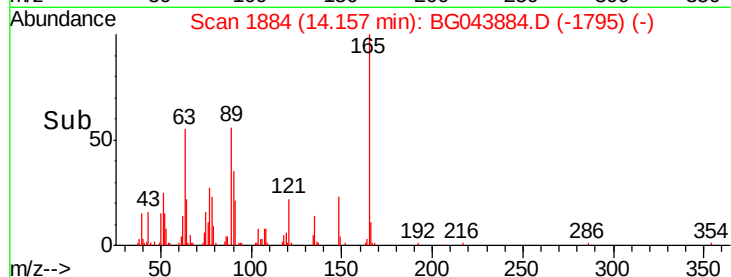
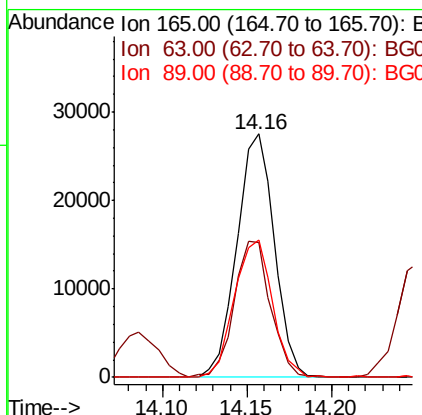
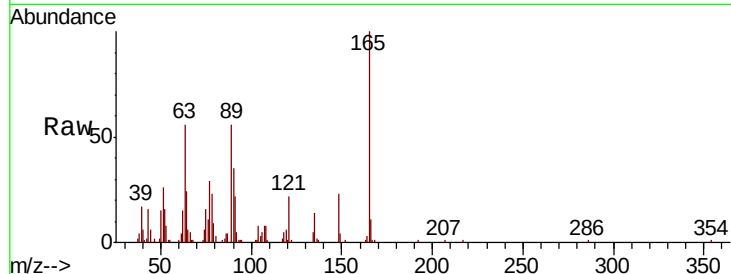
#51
2,6-Dinitrotoluene
Concen: 7.230 ng
RT: 14.16 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
165	100		
63	55.6	43.1	64.7
89	56.3	43.8	65.6

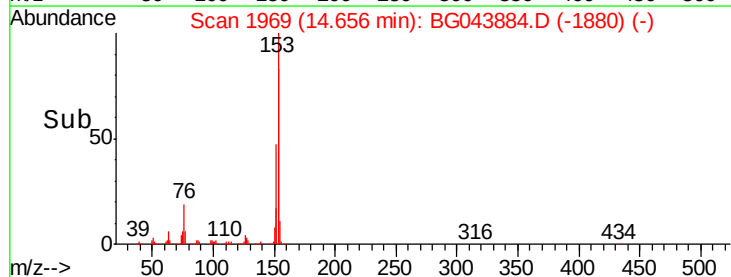
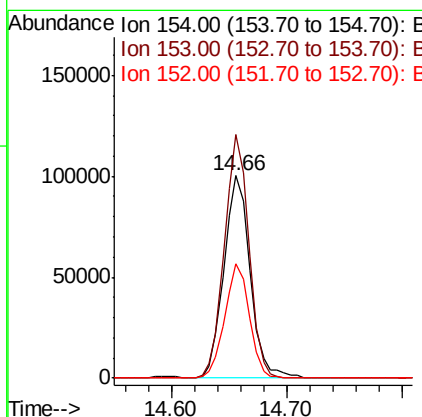
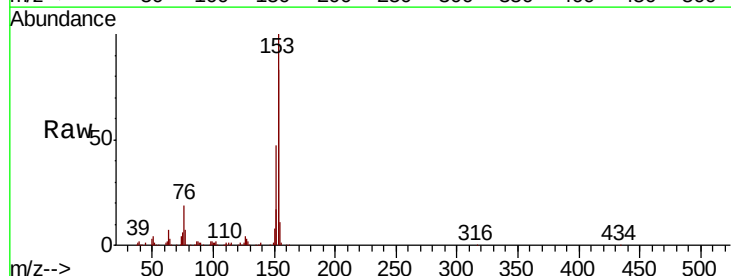
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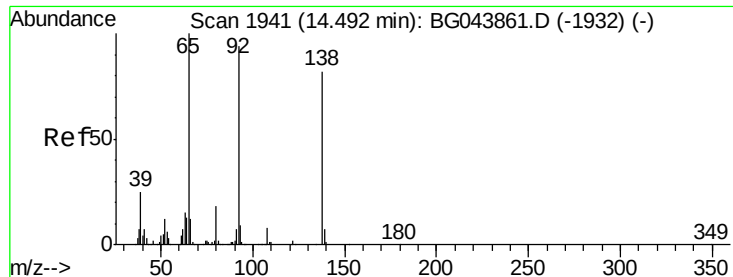
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#52
Acenaphthene
Concen: 7.424 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	120.3	91.6	137.4
152	56.4	45.4	68.0





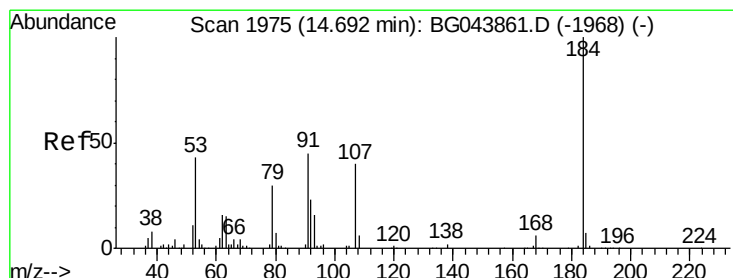
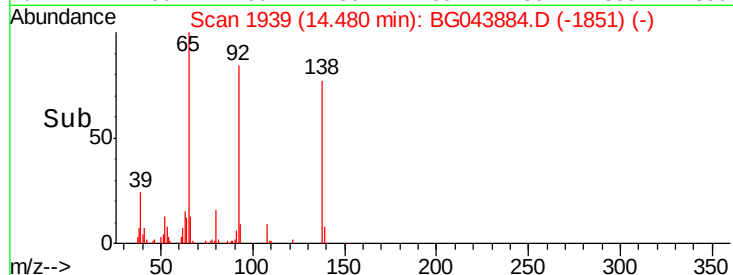
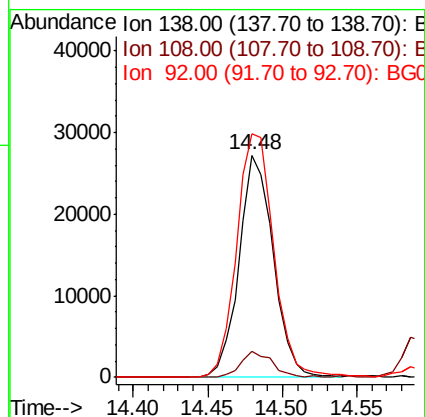
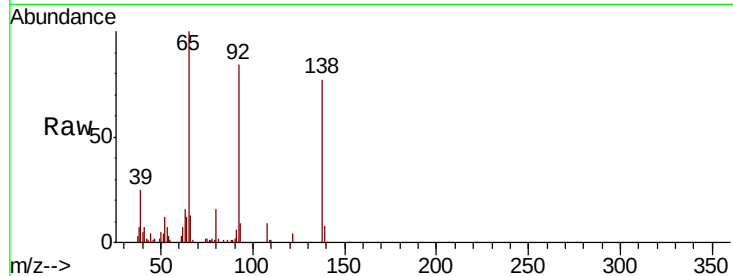
#53
3-Nitroaniline
Concen: 6.476 ng
RT: 14.48 min Scan# 1939
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:138 Resp: 43175
Ion Ratio Lower Upper
138 100
108 11.7 7.4 11.2#
92 109.7 92.1 138.1

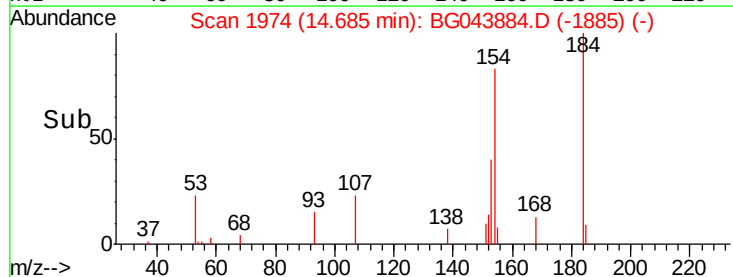
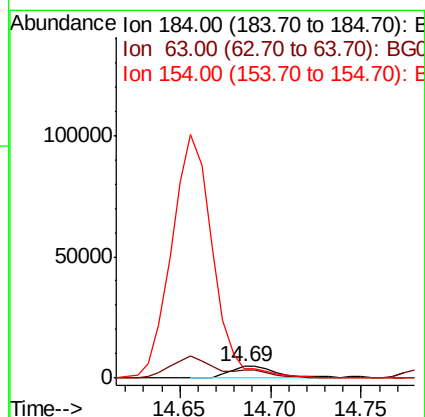
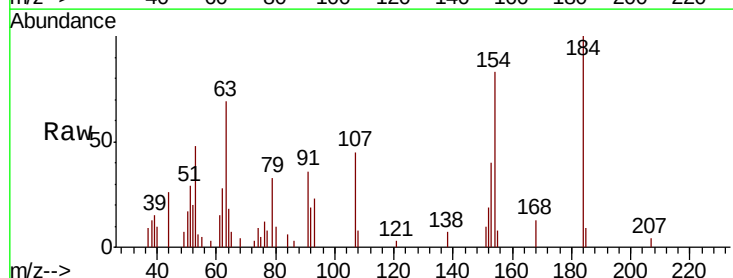
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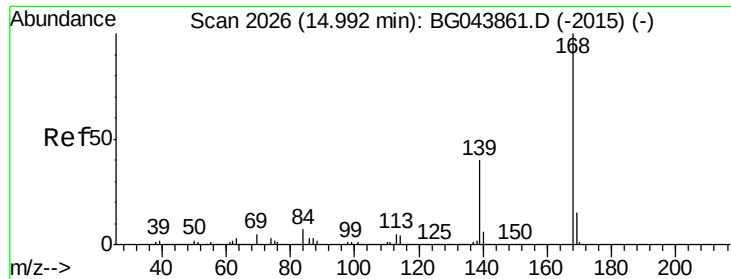
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#54
2,4-Dinitrophenol
Concen: 3.335 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion:184 Resp: 8826
Ion Ratio Lower Upper
184 100
63 69.2 46.6 70.0
154 83.1 50.2 75.4#





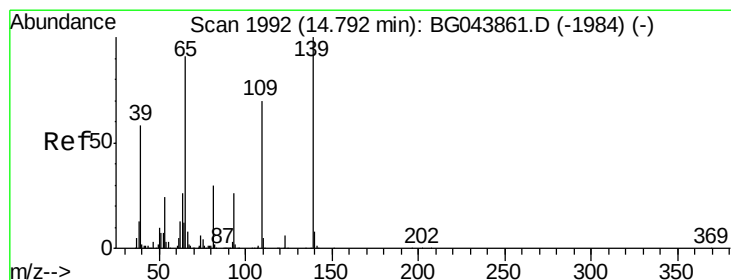
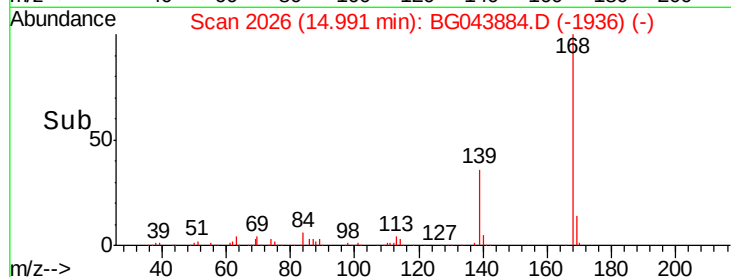
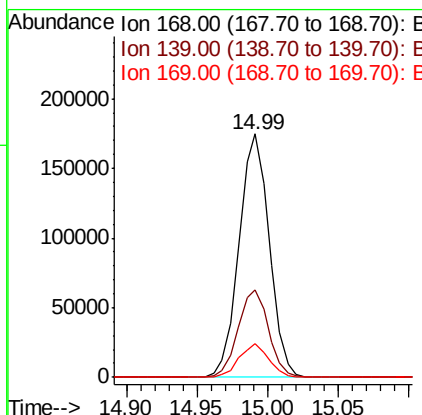
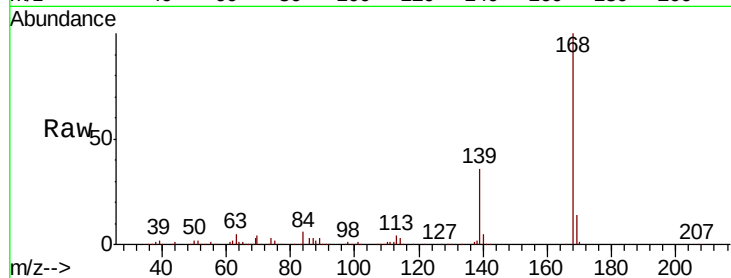
#55
Dibenzenofuran
Concen: 8.861 ng
RT: 14.99 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	32.2	48.2
169	13.8	12.2	18.2

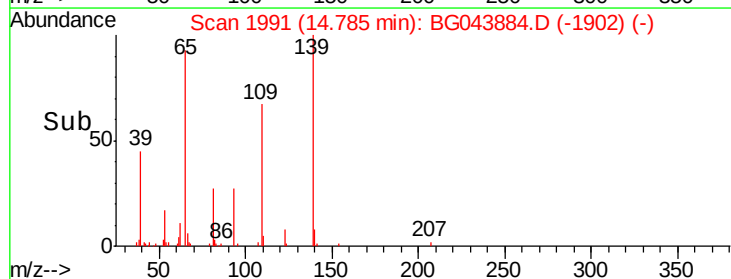
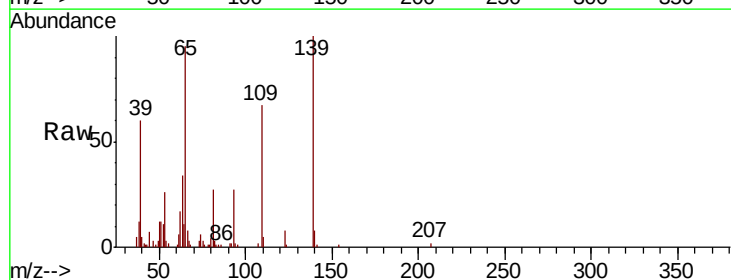
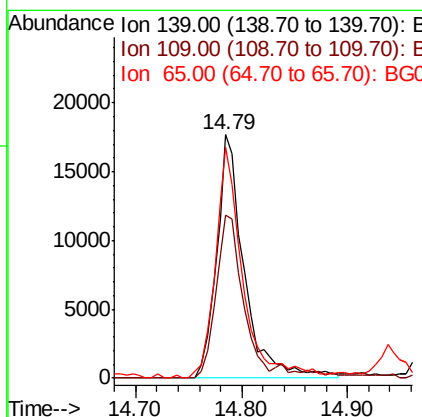
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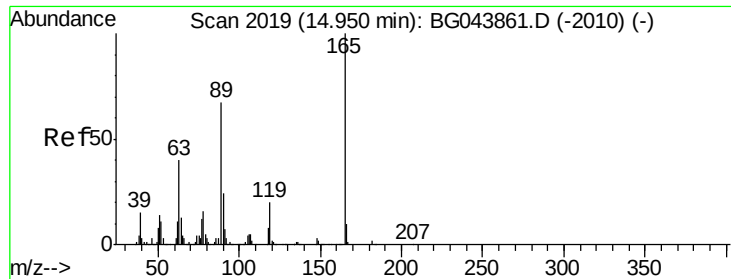
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#56
4-Nitrophenol
Concen: 6.262 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
139	100		
109	67.1	50.4	90.4
65	95.0	71.4	111.4





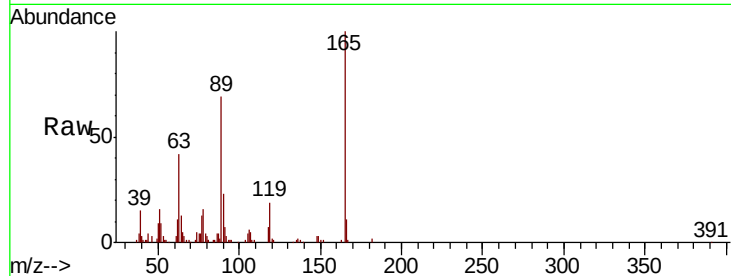
#57
2,4-Dinitrotoluene
Concen: 6.993 ng
RT: 14.94 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	41.9		31.9	47.9
89	68.8		53.8	80.6
182	2.4		2.0	3.0

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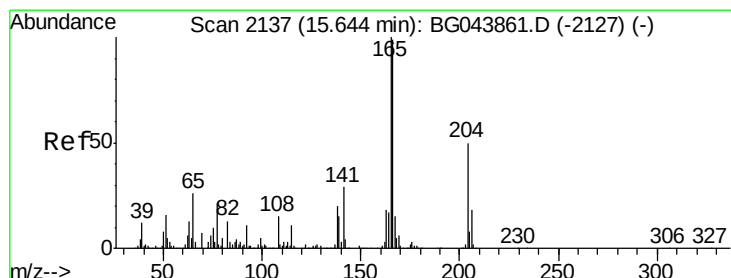
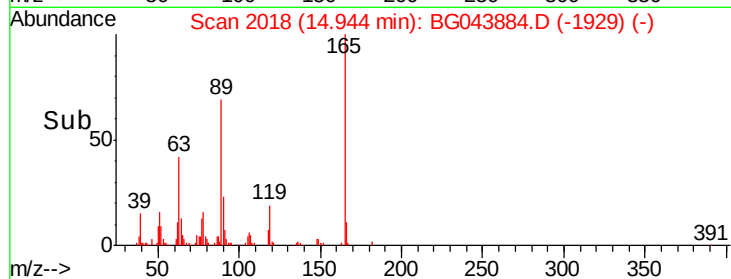
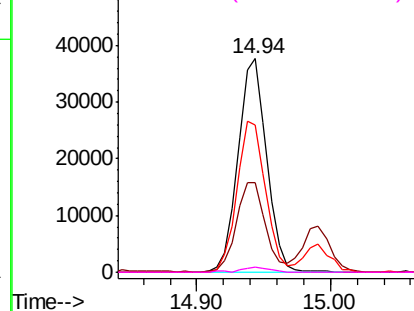
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 8.754 ng
RT: 15.64 min Scan# 2137
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

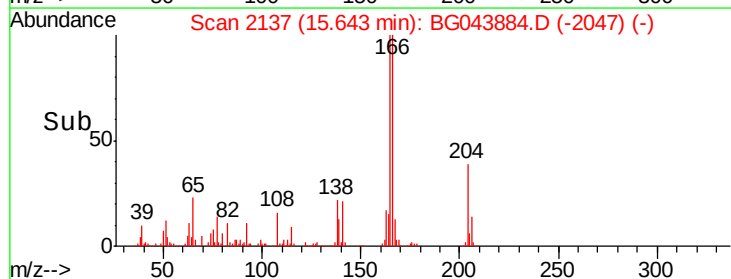
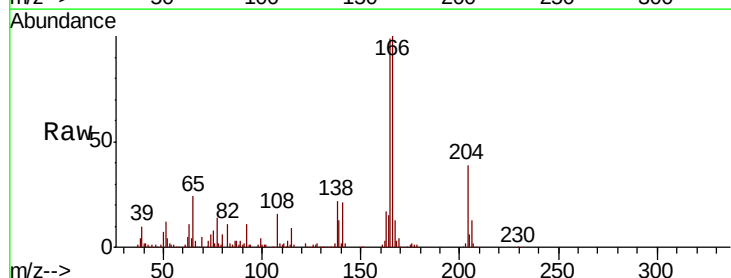
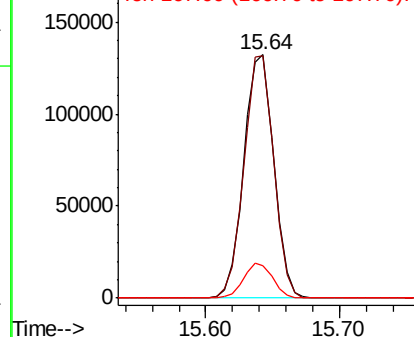
Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.3		80.8	121.2
167	13.3		12.1	18.1

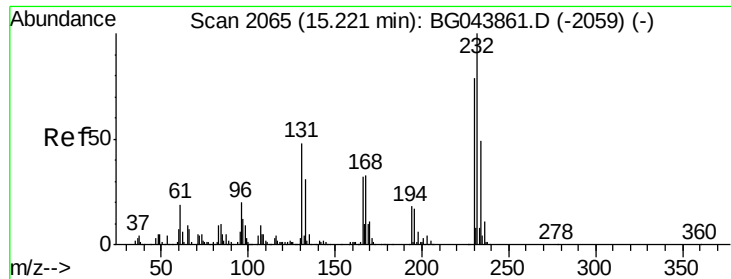
Abundance

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





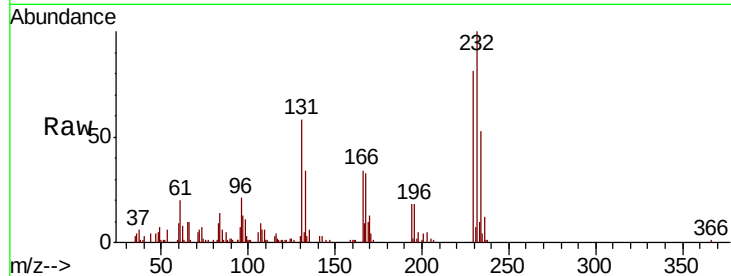
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.443 ng
 RT: 15.21 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: BG043884.D
 Acq: 3 Jan 2020 12:12

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		48698		
131	47.9	38.2	57.2		
130	2.6	2.2	3.2		
166	32.1	26.4	39.6		

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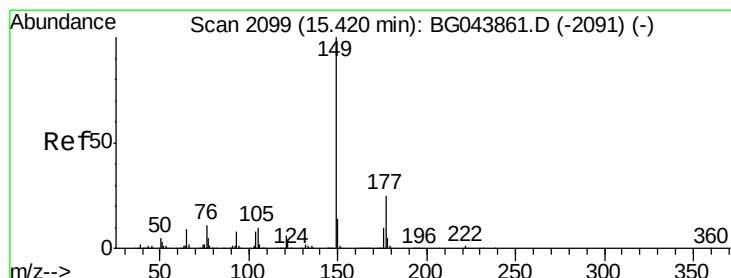
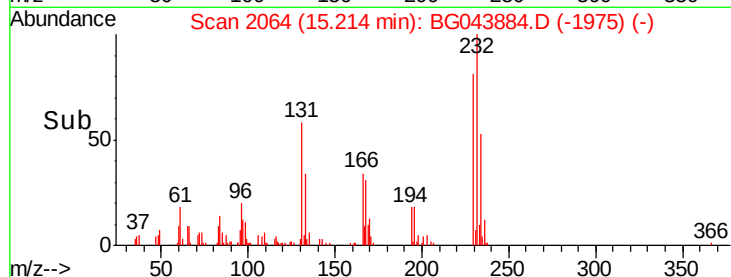
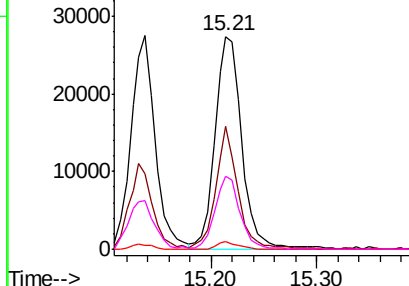
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 8.344 ng
 RT: 15.41 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BG043884.D
 Acq: 3 Jan 2020 12:12

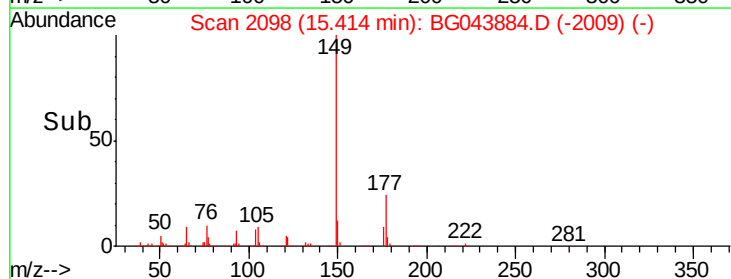
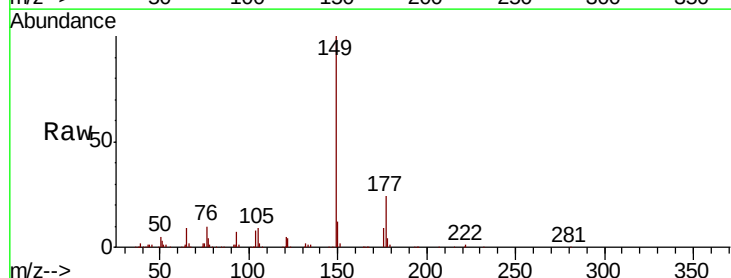
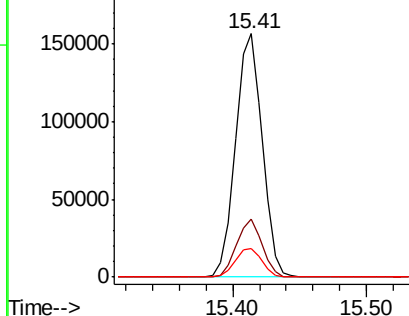
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		216761		
177	23.9	20.0	30.0		
150	11.9	11.1	16.7		

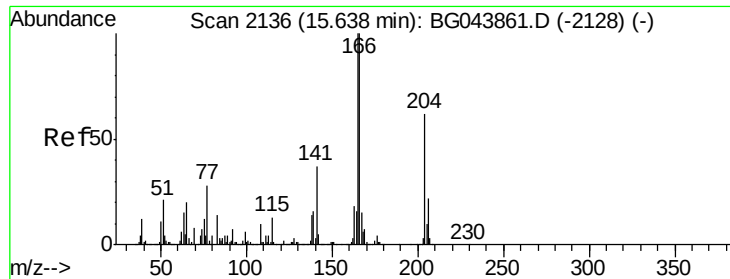
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





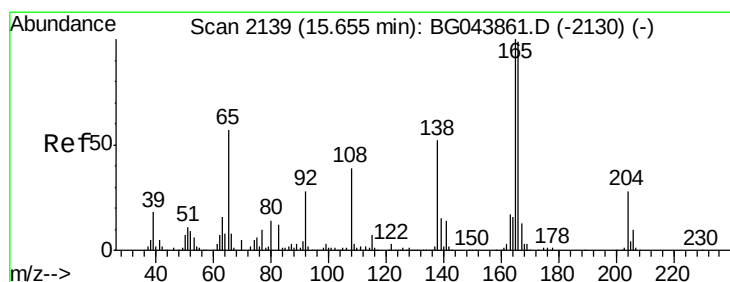
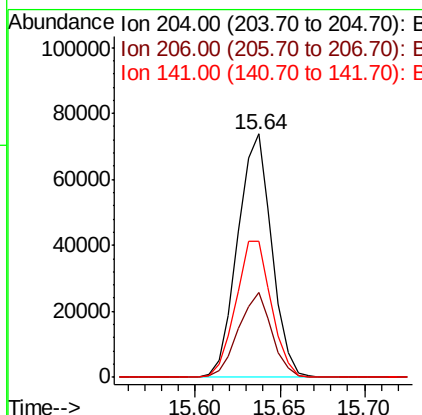
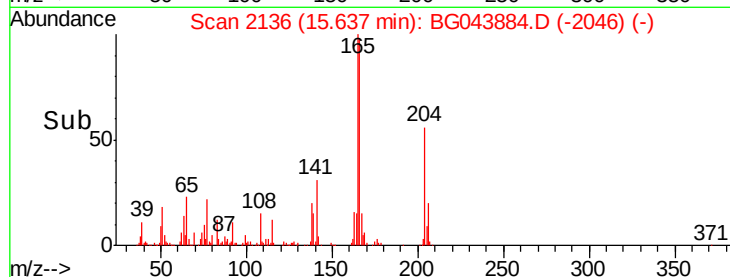
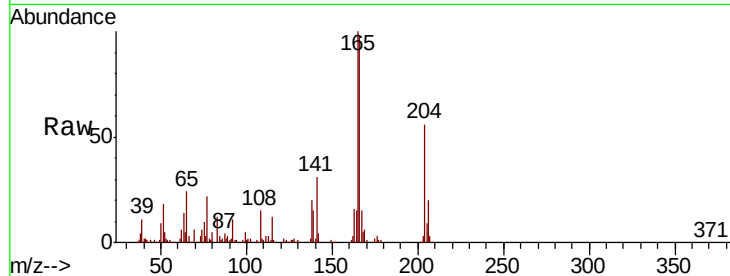
#61
4-Chlorophenyl-phenylether
Concen: 8.154 ng
RT: 15.64 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.9	28.2	42.2
141	55.8	48.2	72.2

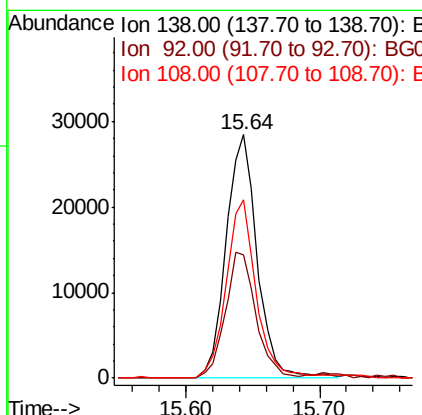
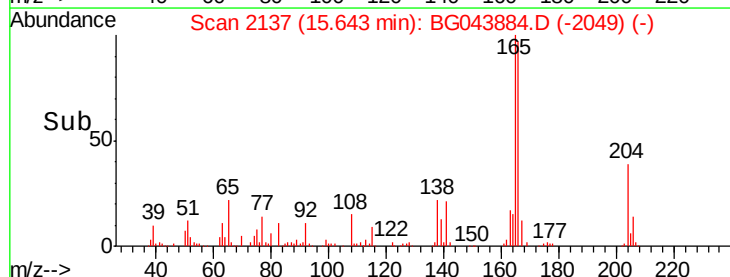
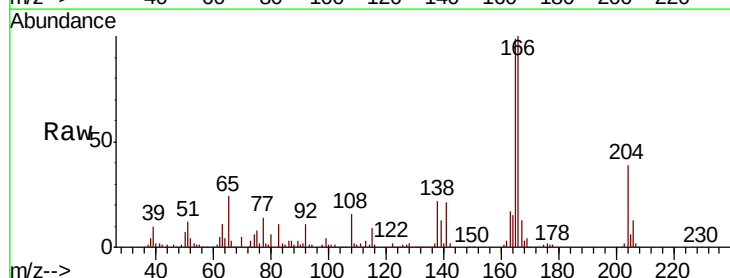
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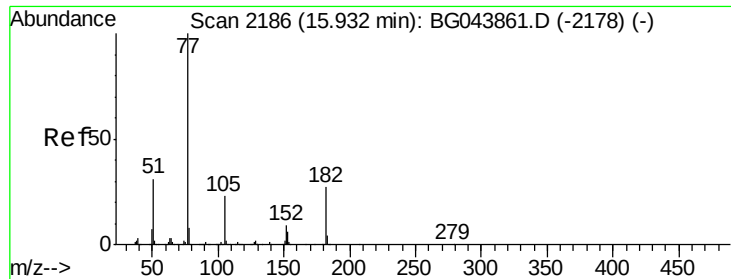
mohammad
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#62
4-Nitroaniline
Concen: 7.033 ng
RT: 15.64 min Scan# 2137
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.4	34.3	74.3
108	73.1	55.0	95.0





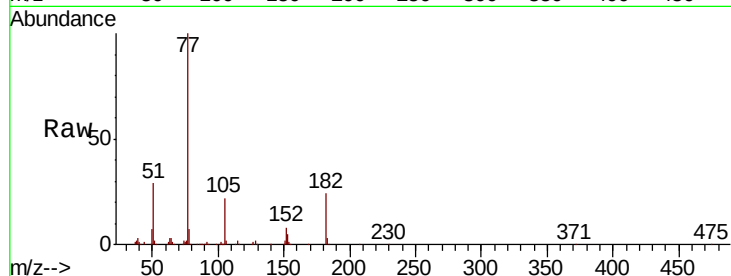
#63
Azobenzene
Concen: 8.461 ng
RT: 15.93 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

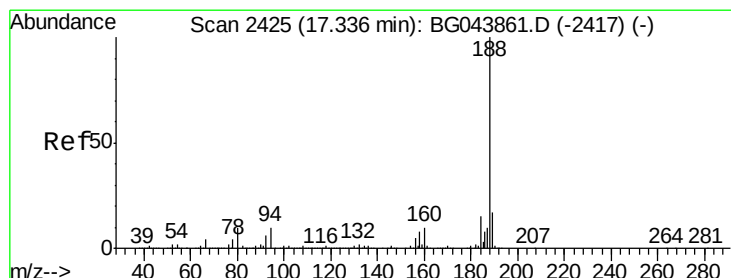
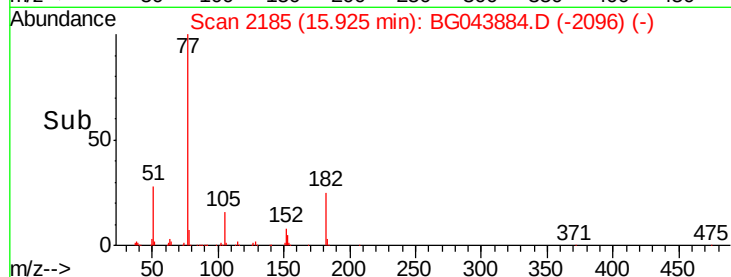
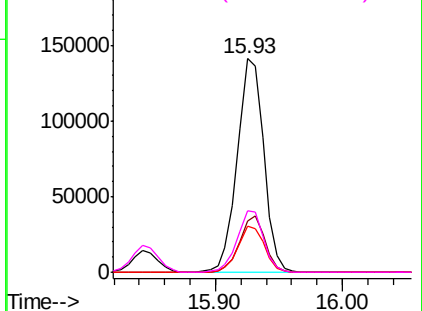
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	24.1	7.3	47.3		
105	21.8	3.2	43.2		
51	29.0	10.6	50.6		

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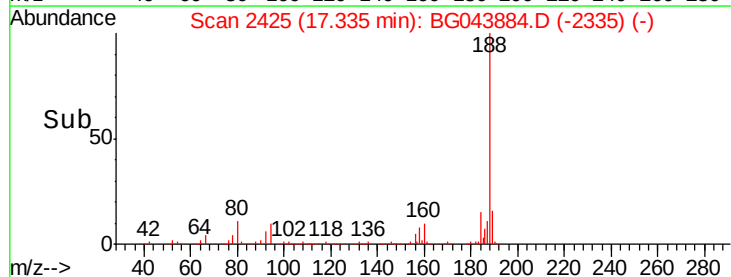
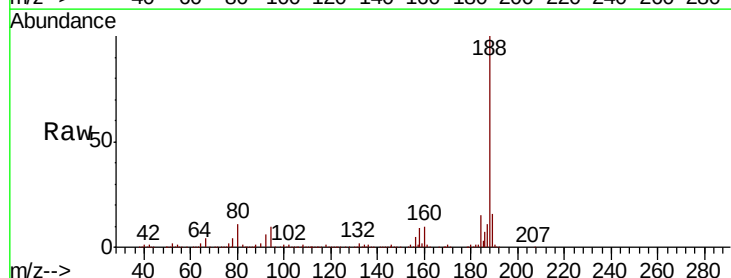
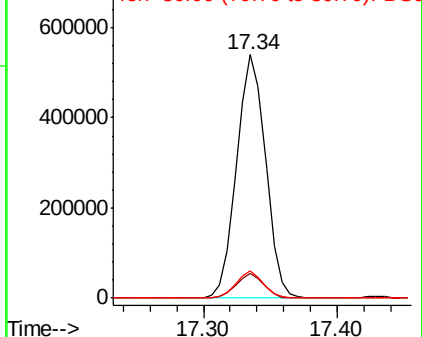
Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

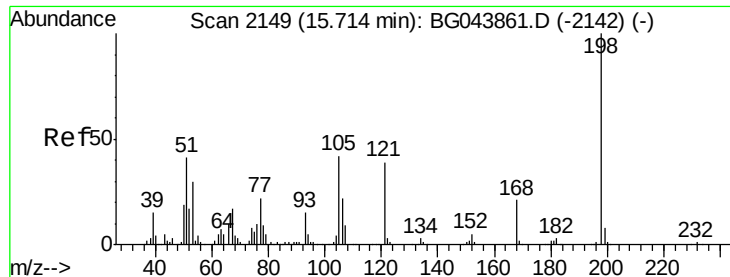


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.9	7.9	11.9		
80	11.2	8.2	12.4		

Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





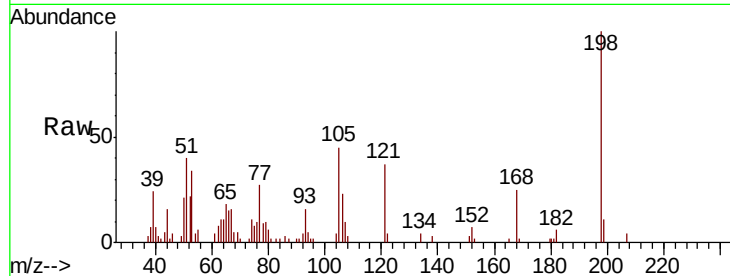
#65
4,6-Dinitro-2-methylphenol
Concen: 5.139 ng
RT: 15.71 min Scan# 2148
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
198	100		
51	40.3	22.5	62.5
105	45.1	22.3	62.3

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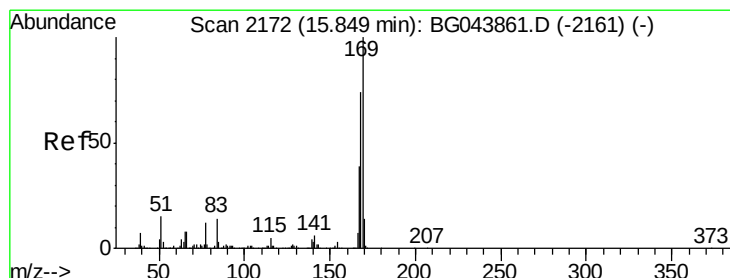
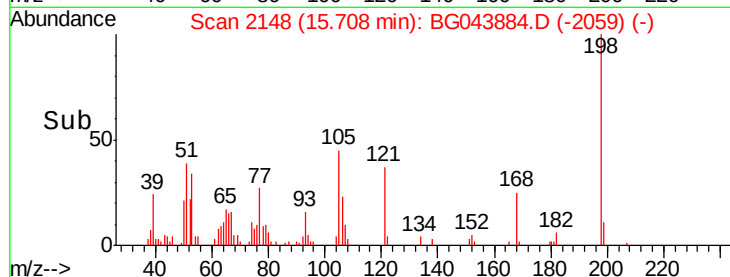
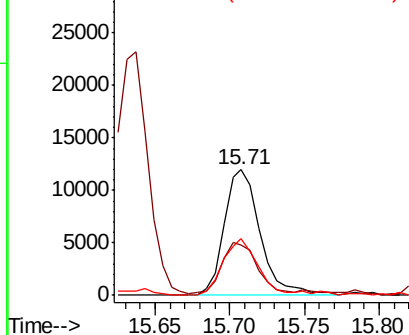


Abundance

Ion 198.00 (197.70 to 198.70): E

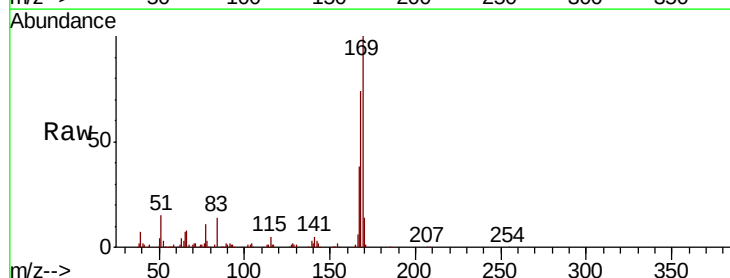
Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66
n-Nitrosodiphenylamine
Concen: 7.488 ng
RT: 15.84 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
169	100		
168	73.7	59.0	88.6
167	38.0	31.4	47.0

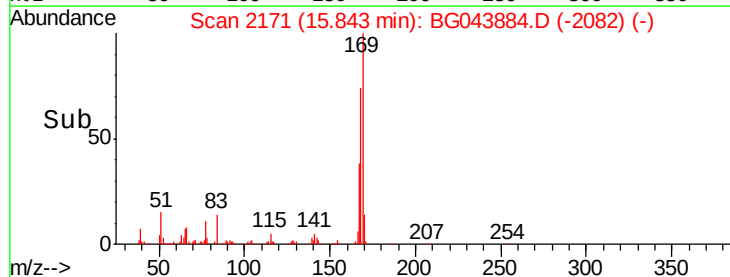
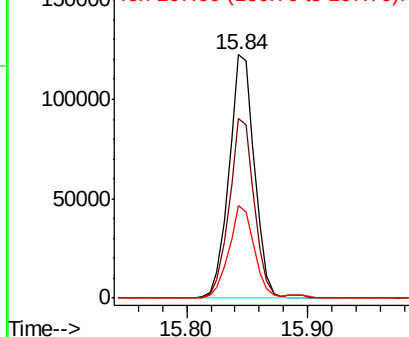


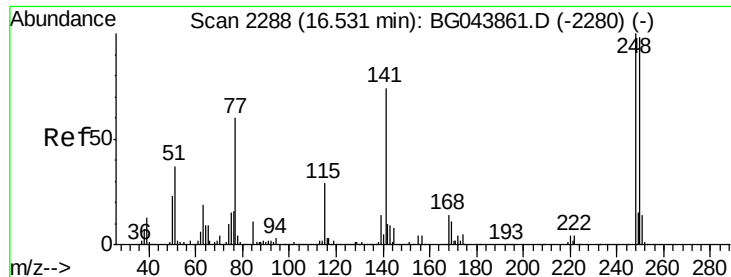
Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





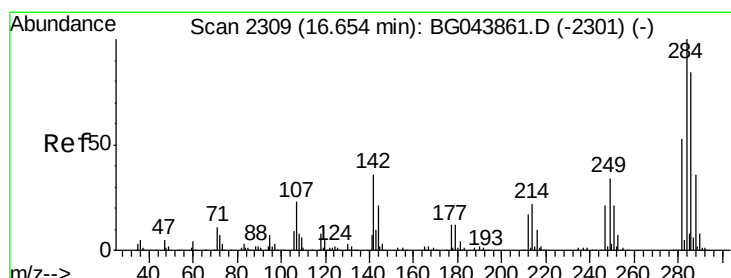
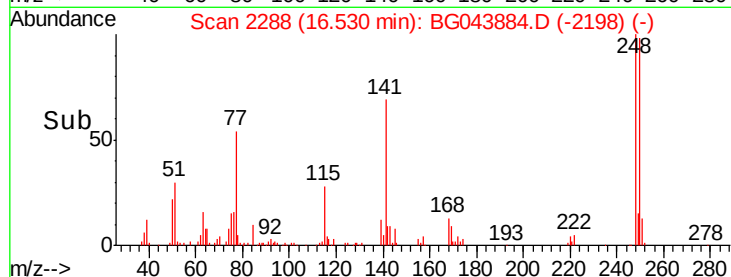
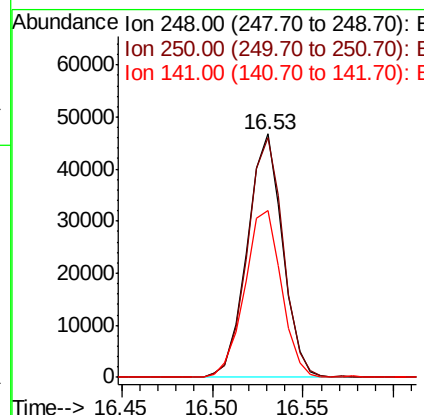
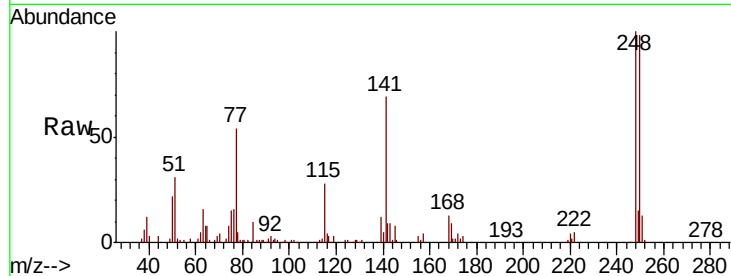
#67
4-Bromophenyl-phenylether
Concen: 6.927 ng
RT: 16.53 min Scan# 2288
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.2	117.2
141	68.8	59.3	88.9

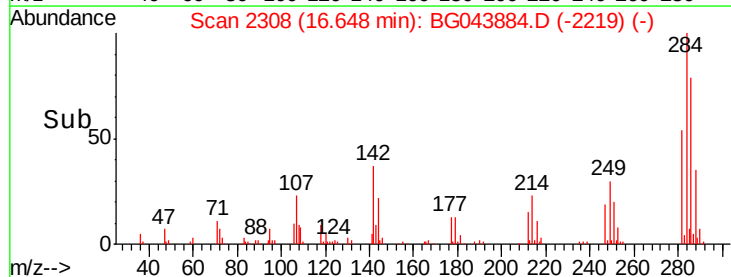
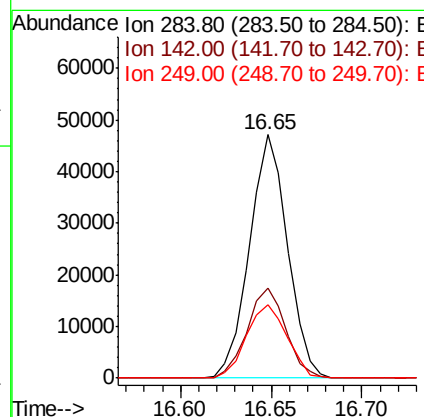
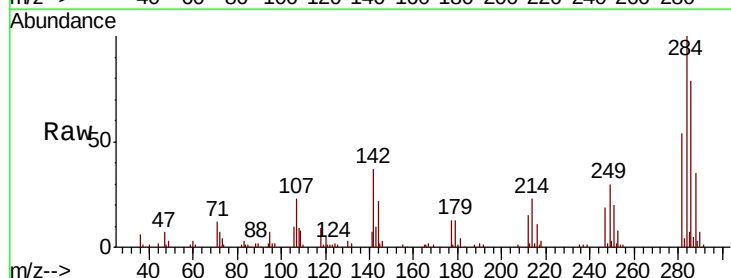
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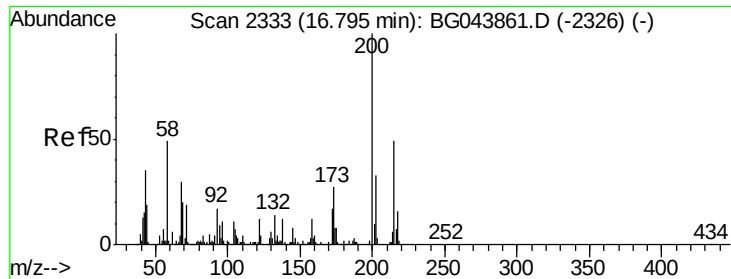
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#68
Hexachlorobenzene
Concen: 6.970 ng
RT: 16.65 min Scan# 2308
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.8	28.6	43.0
249	29.9	27.0	40.6





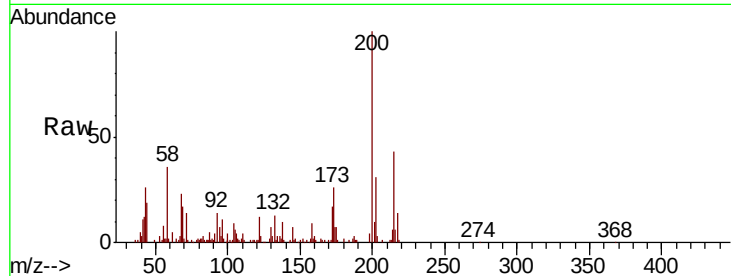
#69
Atrazine
Concen: 7.115 ng
RT: 16.79 min Scan# 2333
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.6	46.6
215	43.3	28.6	68.6

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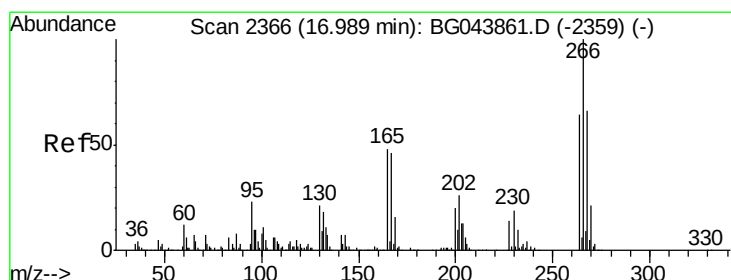
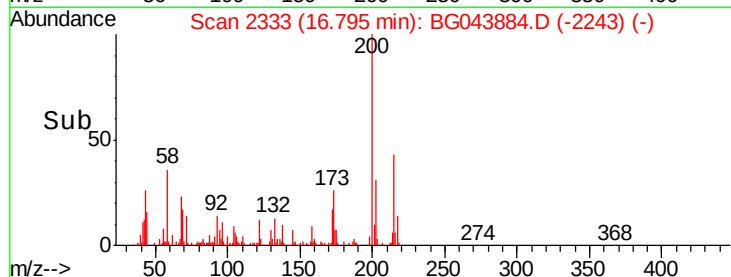
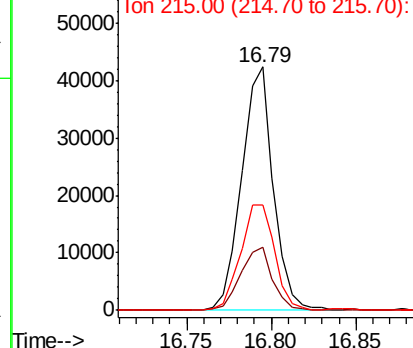


Abundance

Ion 200.00 (199.70 to 200.70): E

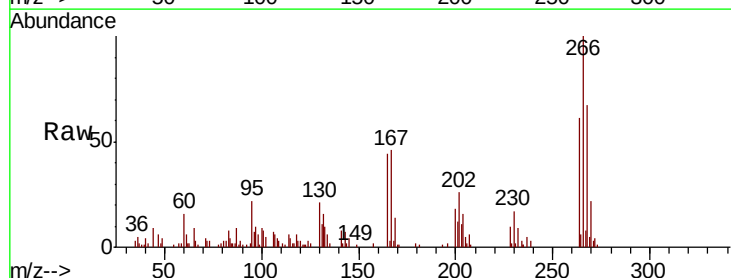
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 4.680 ng
RT: 16.99 min Scan# 2366
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.2	52.6	79.0
264	66.8	50.8	76.2

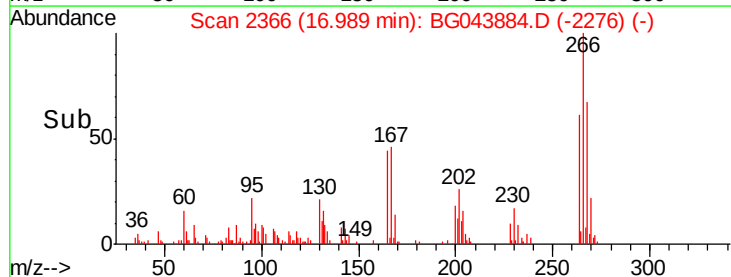
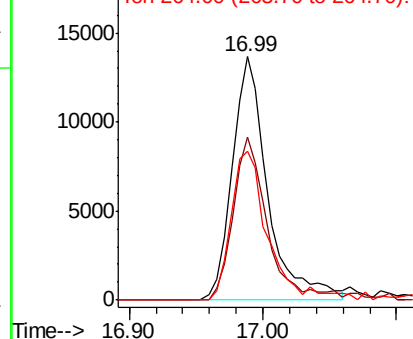


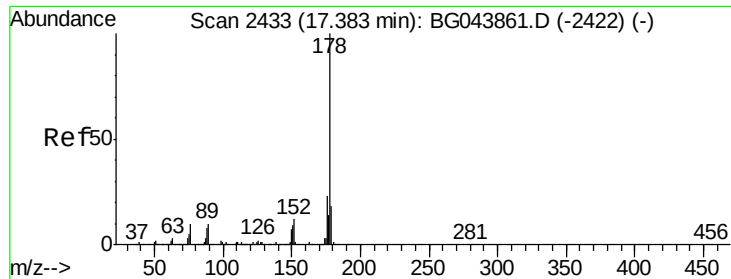
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





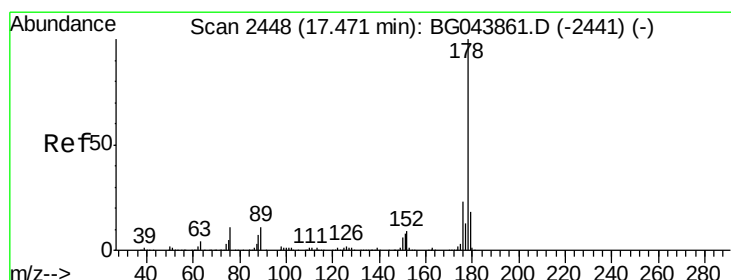
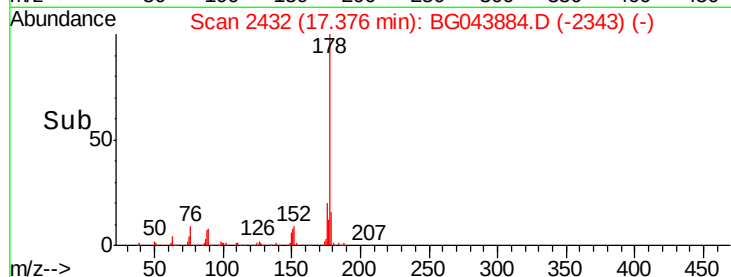
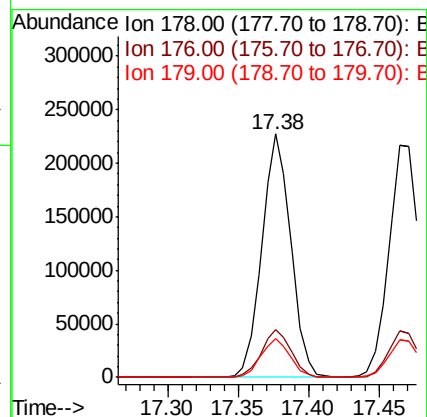
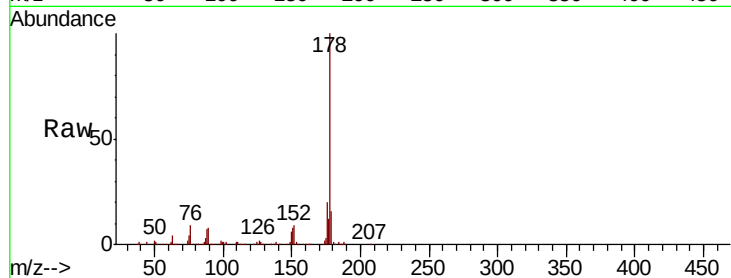
#71
Phenanthrene
Concen: 8.422 ng
RT: 17.38 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	18.6	28.0
179	16.1	14.4	21.6

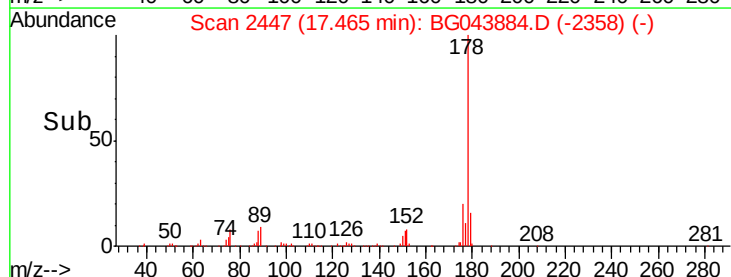
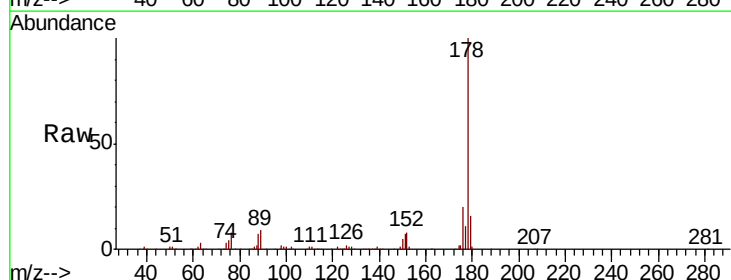
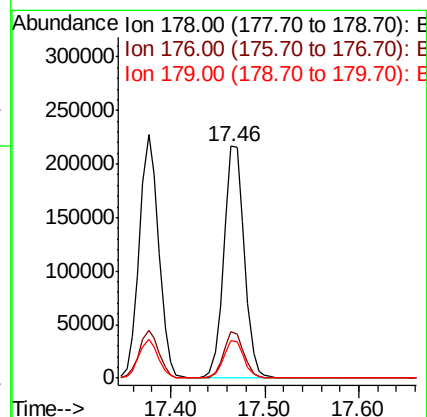
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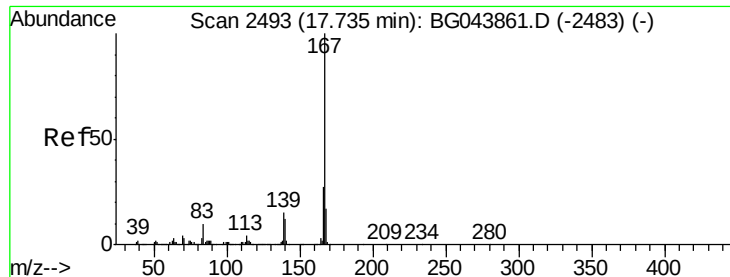
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#72
Anthracene
Concen: 8.587 ng
RT: 17.46 min Scan# 2447
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	18.3	27.5
179	16.0	14.6	22.0





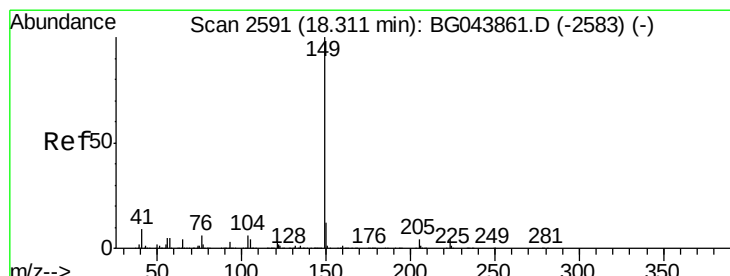
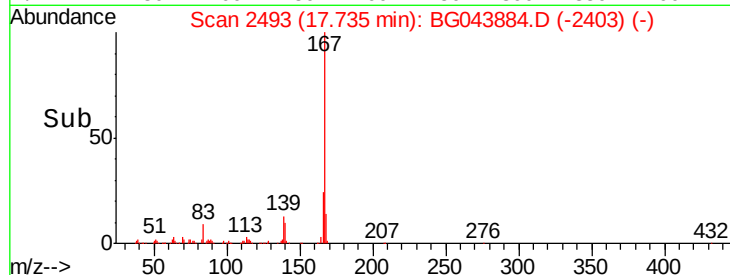
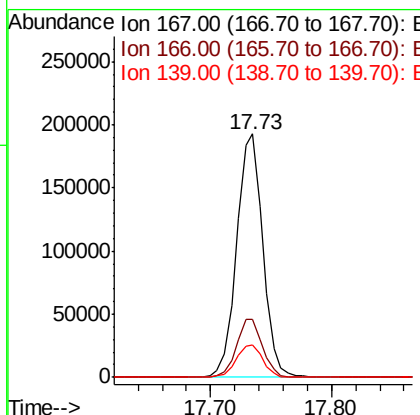
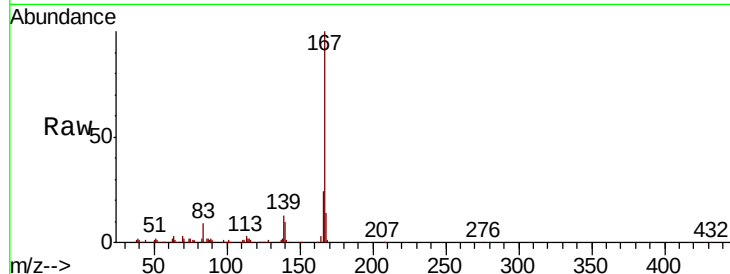
#73
 Carbazole
 Concen: 8.176 ng
 RT: 17.73 min Scan# 2493
 Delta R.T. -0.00 min
 Lab File: BG043884.D
 Acq: 3 Jan 2020 12:12

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
167	100	290225		
166	23.7		21.6	32.4
139	13.3		12.1	18.1

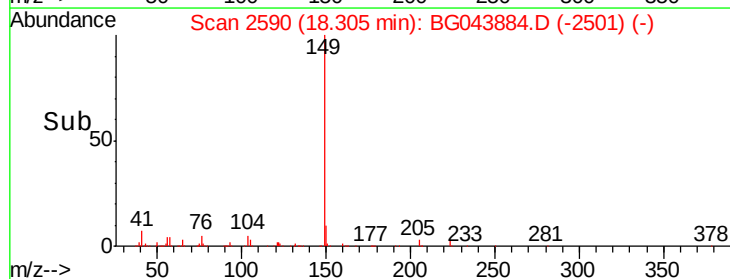
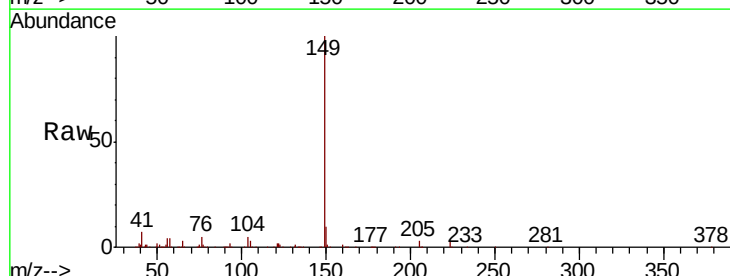
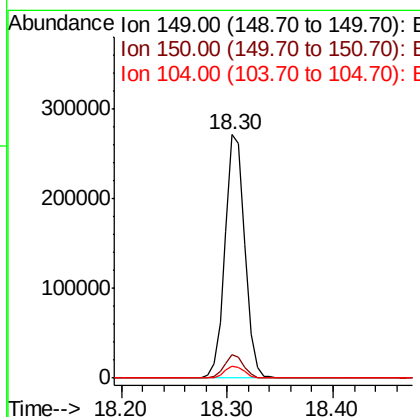
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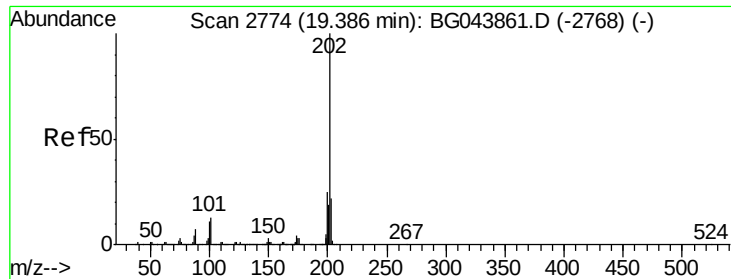
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#74
 Di-n-butylphthalate
 Concen: 7.724 ng
 RT: 18.30 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: BG043884.D
 Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	350062		
150	9.6		9.7	14.5#
104	5.1		5.0	7.4





#75

Fluoranthene

Concen: 8.329 ng

RT: 19.39 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Instrument :

BNA_G

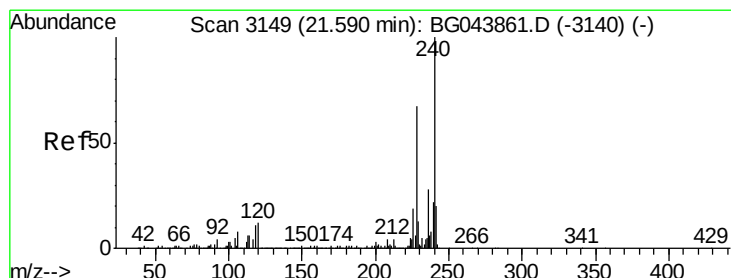
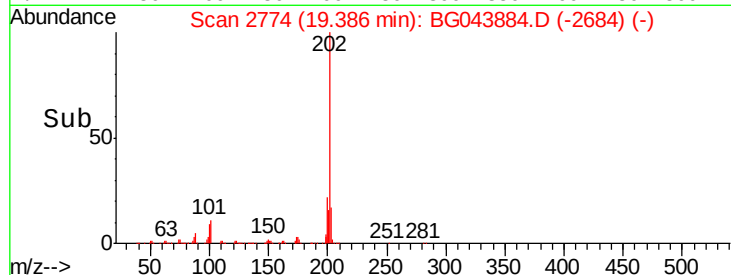
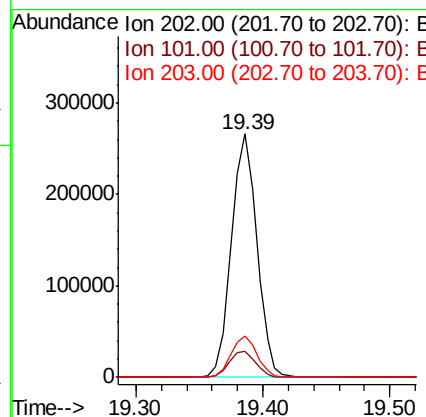
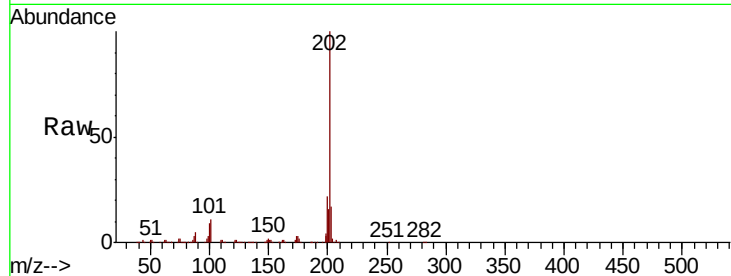
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
202	100	370402		
101	10.7	0.0	33.3	
203	17.2	1.6	41.6	

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#76

Chrysene-d12

Concen: 20.000 ng

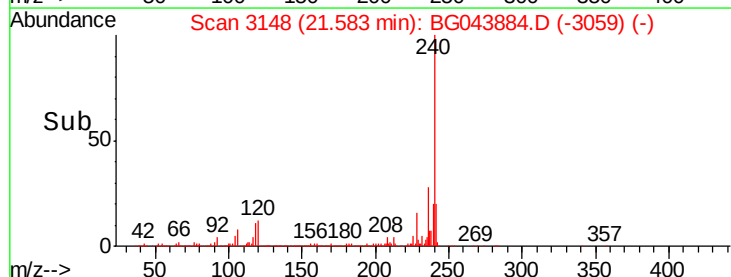
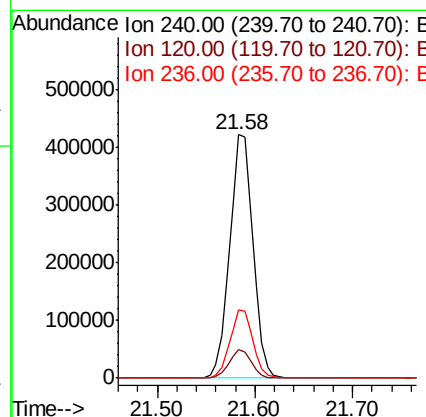
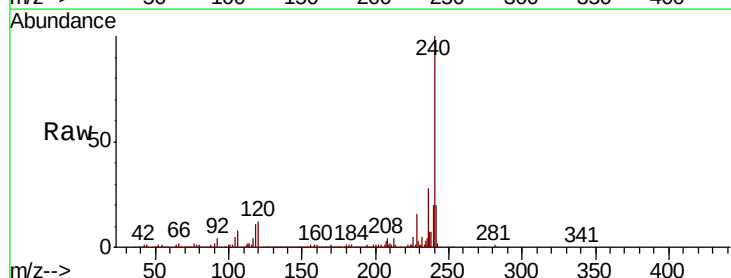
RT: 21.58 min Scan# 3148

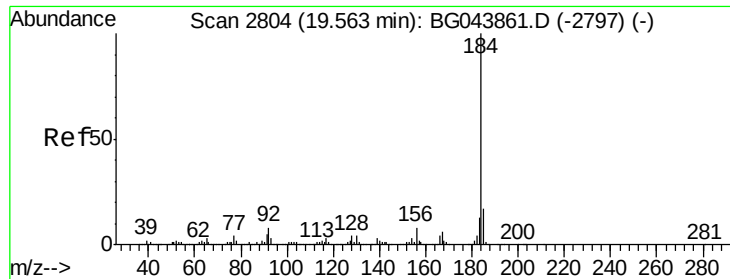
Delta R.T. -0.01 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	697195		
120	11.8	9.6	14.4	
236	28.0	22.2	33.2	





#77

Benzidine

Concen: 7.011 ng

RT: 19.56 min Scan# 2804

Delta R.T. -0.00 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Instrument :

BNA_G

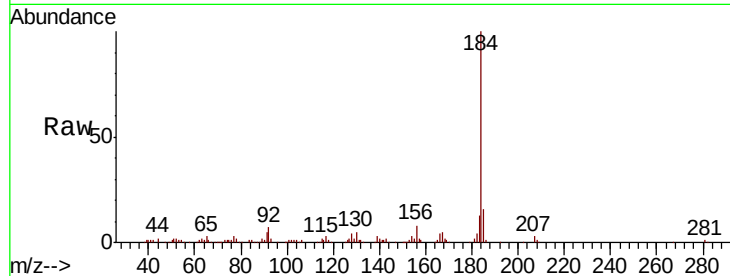
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

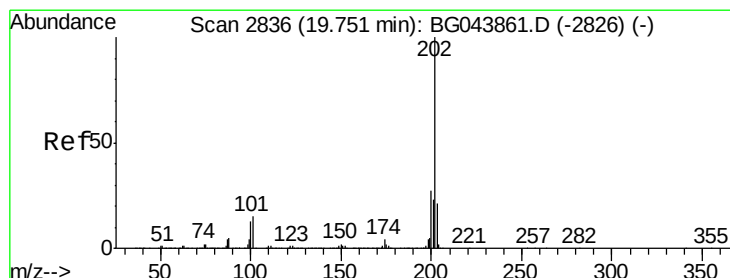
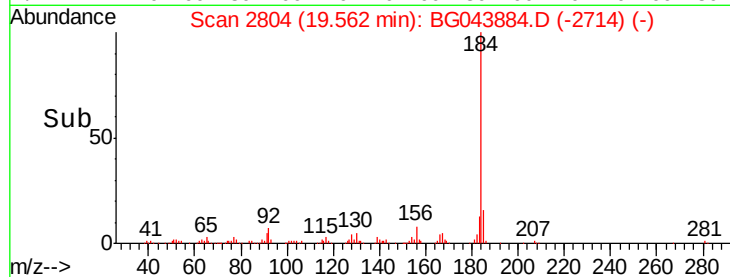
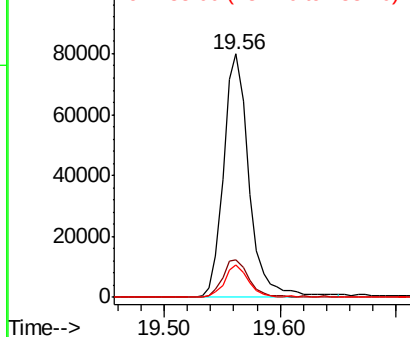
Tot Ion:	184	Resp:	122864
Ion Ratio	Lower	Upper	
184	100		
185	15.5	13.4	20.0
183	13.2	10.6	15.8

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



#78

Pyrene

Concen: 8.369 ng

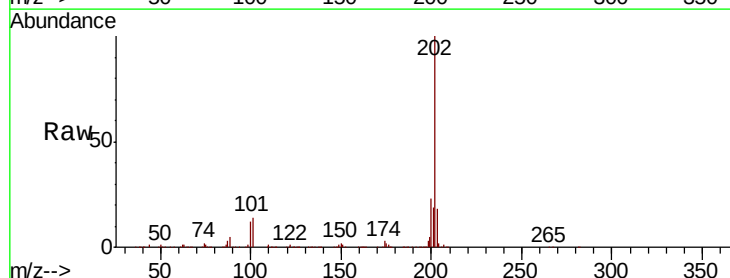
RT: 19.74 min Scan# 2835

Delta R.T. -0.01 min

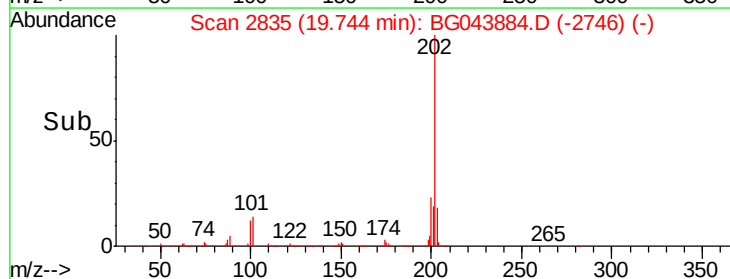
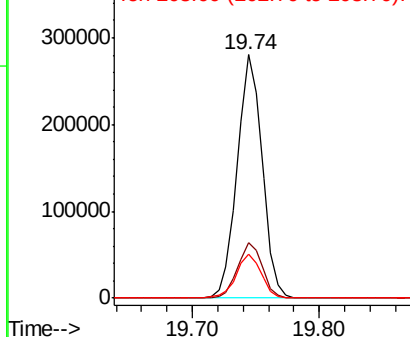
Lab File: BG043884.D

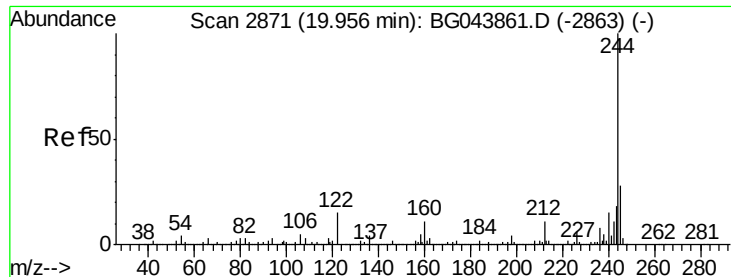
Acq: 3 Jan 2020 12:12

Tgt Ion:	202	Resp:	380848
Ion Ratio	Lower	Upper	
202	100		
200	22.8	21.7	32.5
203	17.9	17.0	25.6



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





#79

Terphenyl-d14

Concen: 97.939 ng

RT: 19.96 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:244 Resp: 2828415

Ion Ratio Lower Upper

244 100

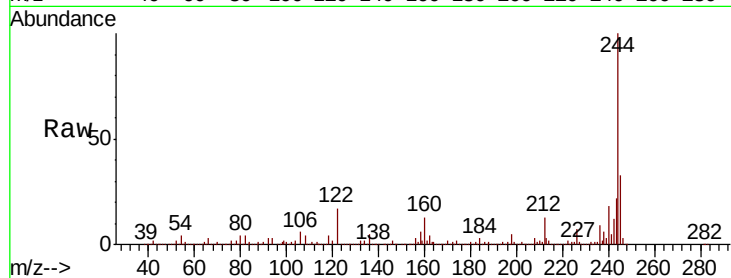
212 13.1 8.6 13.0#

122 17.3 11.9 17.9

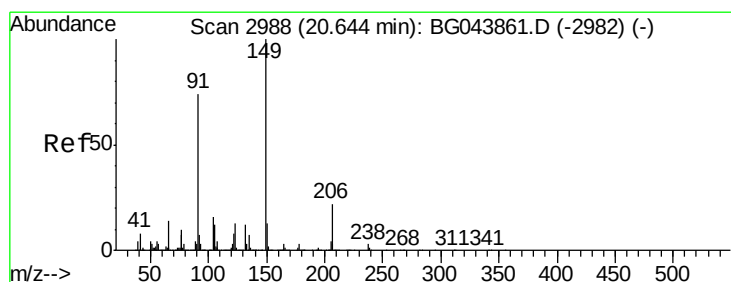
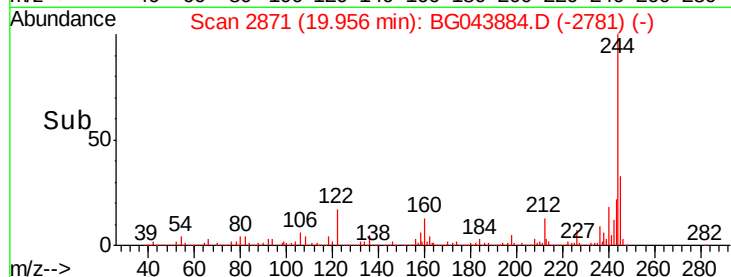
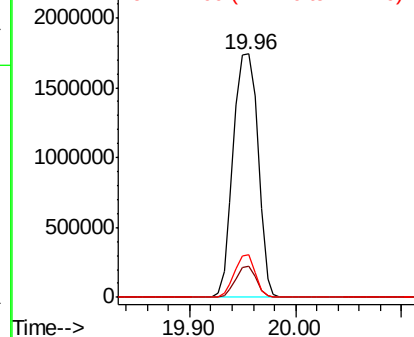
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 6.361 ng

RT: 20.64 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

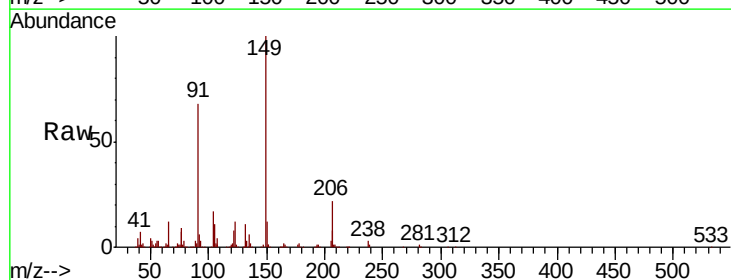
Tgt Ion:149 Resp: 137823

Ion Ratio Lower Upper

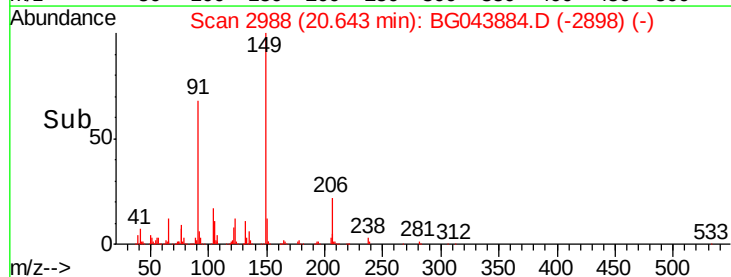
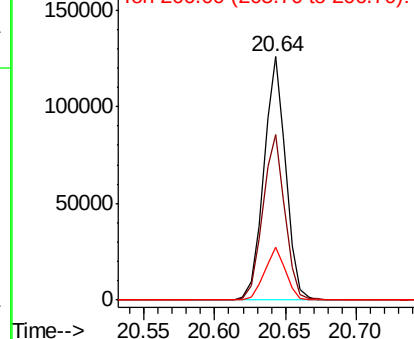
149 100

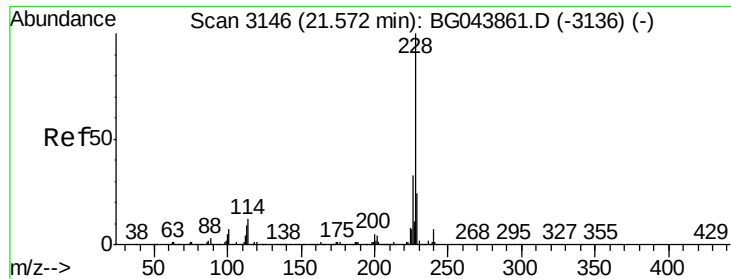
91 68.1 59.5 89.3

206 21.8 17.8 26.6



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





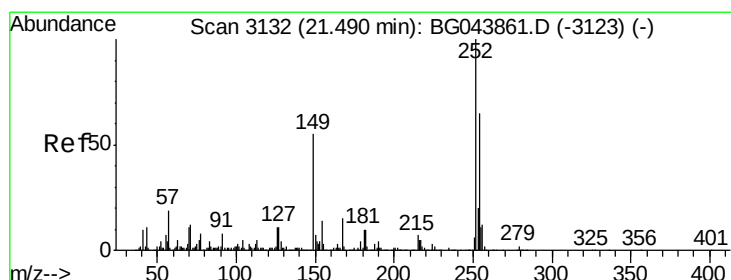
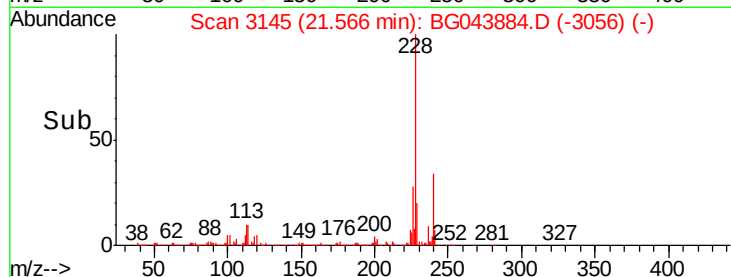
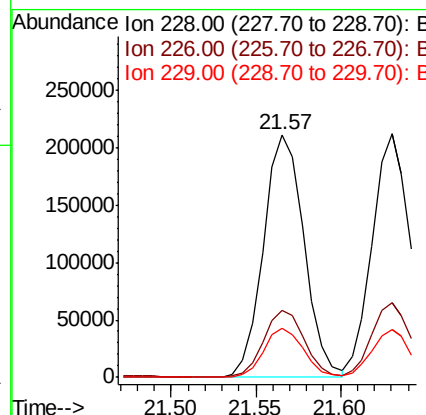
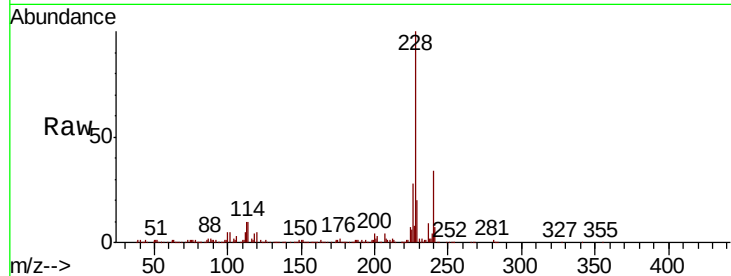
#81
Benzo(a)anthracene
Concen: 8.175 ng
RT: 21.57 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	26.2	39.4
229	20.4	18.9	28.3

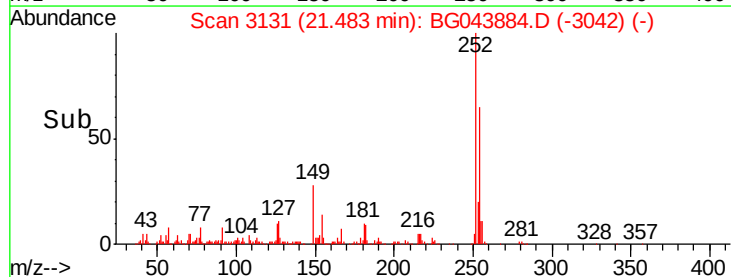
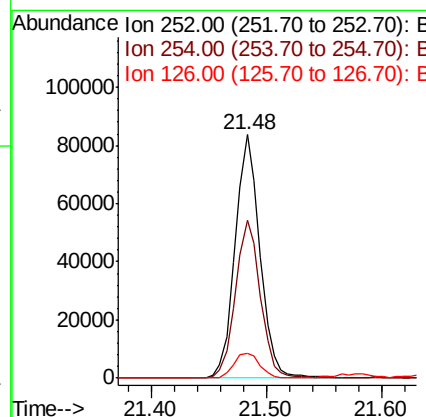
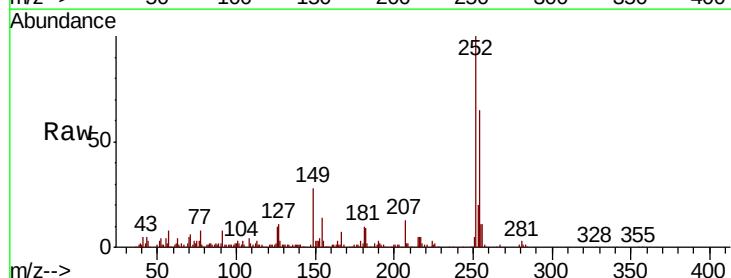
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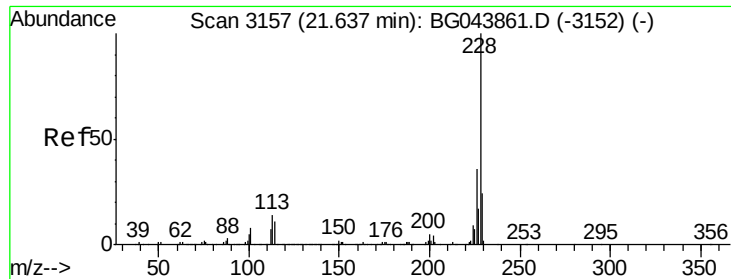
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#82
3,3'-Dichlorobenzidine
Concen: 7.302 ng
RT: 21.48 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.9	52.1	78.1
126	10.2	9.1	13.7





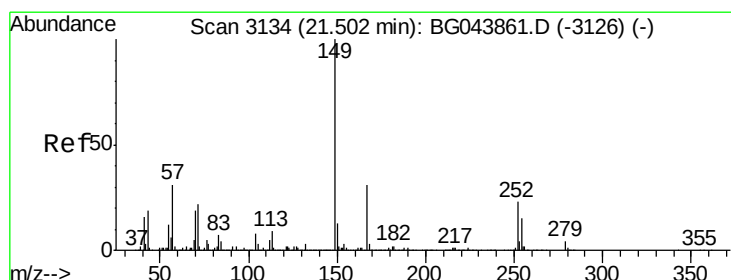
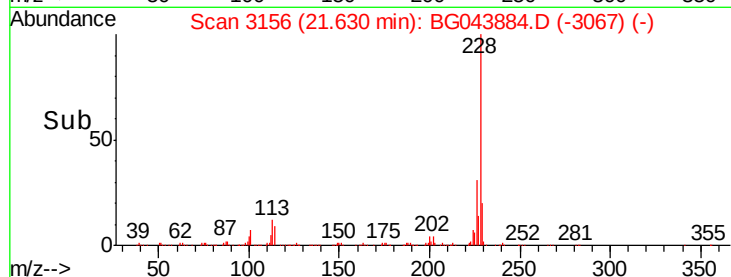
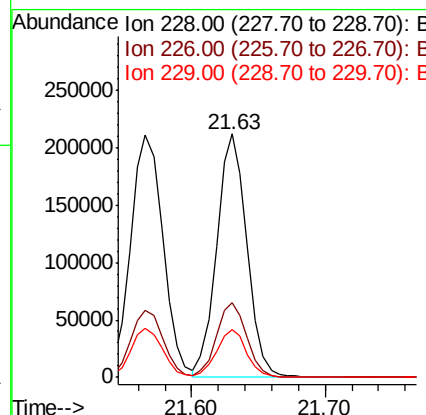
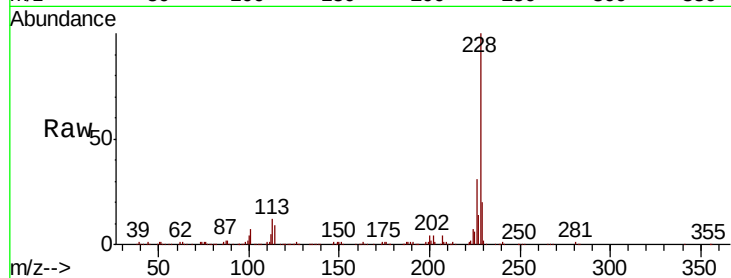
#83
Chrysene
Concen: 8.151 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	28.8	43.2
229	19.6	19.0	28.6

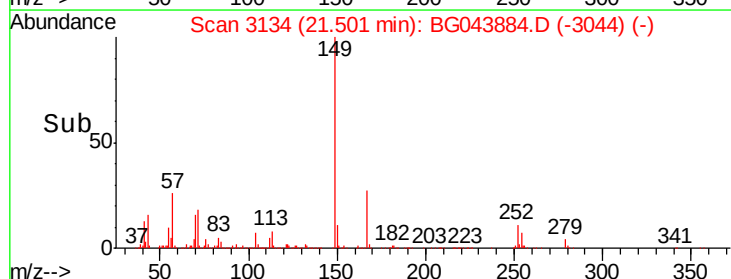
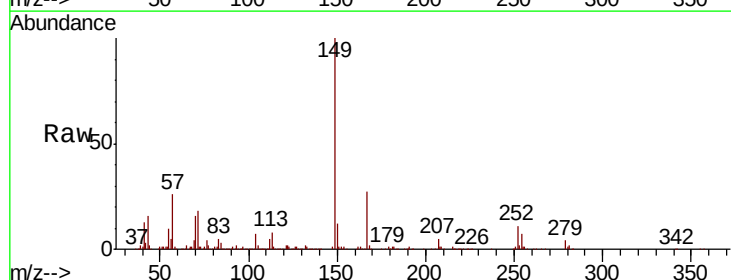
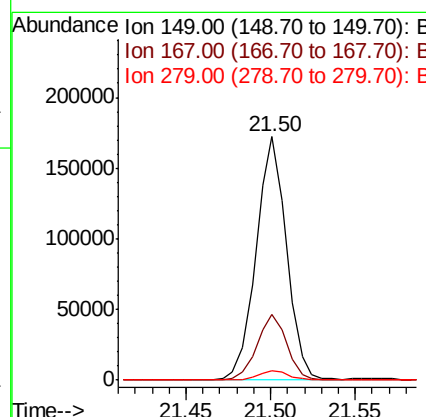
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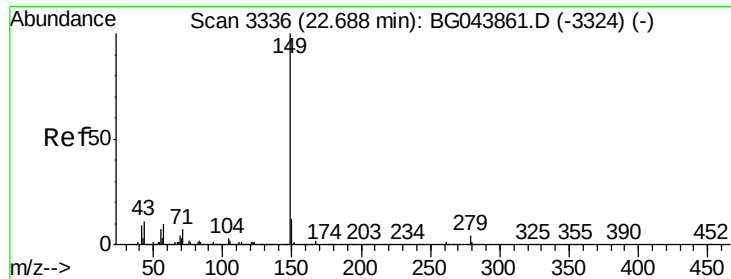
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#84
Bis(2-ethylhexyl)phthalate
Concen: 7.255 ng
RT: 21.50 min Scan# 3134
Delta R.T. -0.00 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.7	24.7	37.1
279	3.7	3.3	4.9





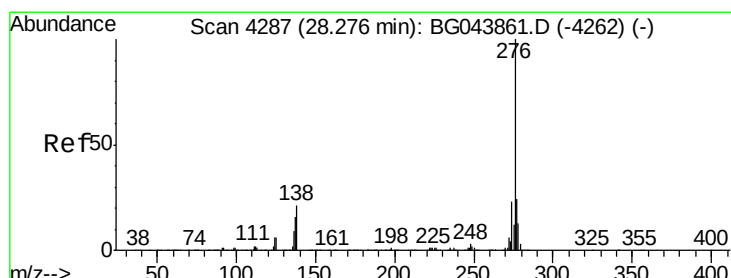
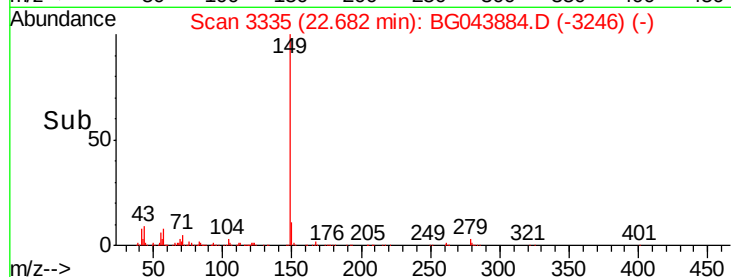
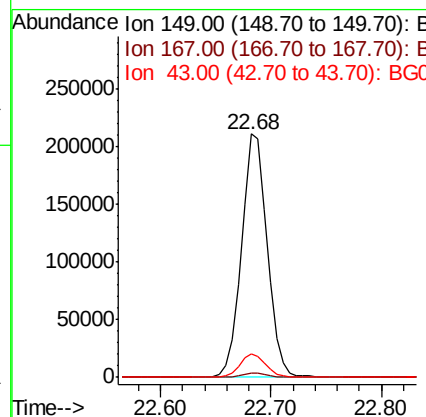
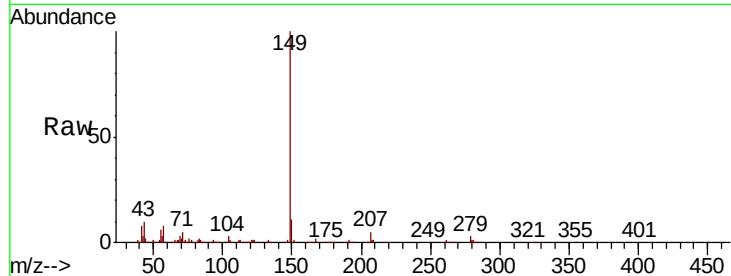
#85
Di-n-octyl phthalate
Concen: 6.895 ng
RT: 22.68 min Scan# 3335
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.6		1.4	2.0
43	9.6		8.8	13.2

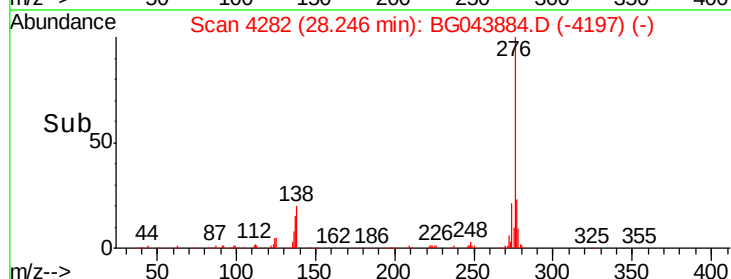
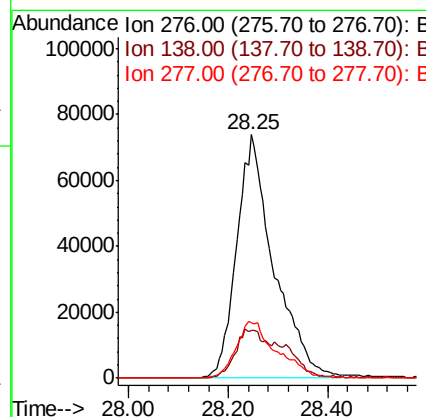
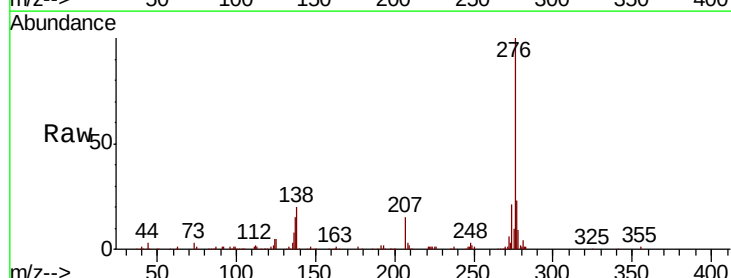
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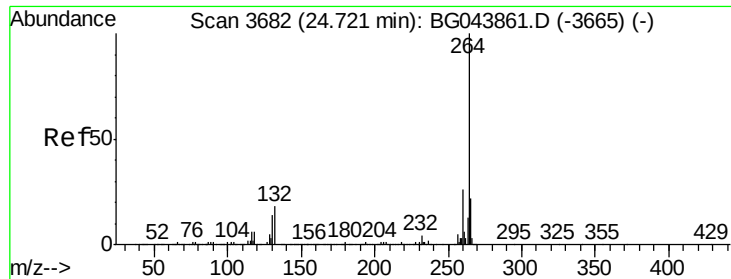
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.851 ng
RT: 28.25 min Scan# 4282
Delta R.T. -0.03 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	16.8		21.0	31.4#
277	25.2		21.1	31.7





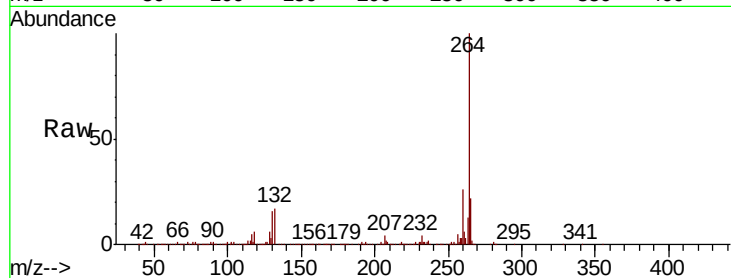
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.71 min Scan# 3681
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

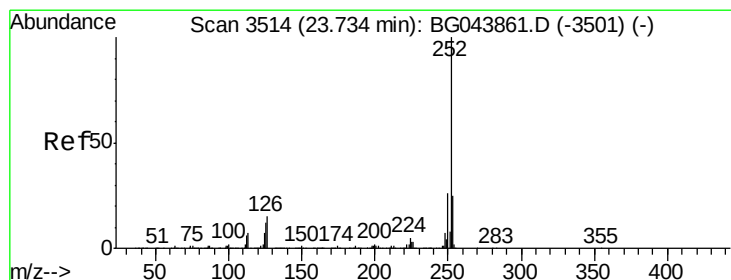
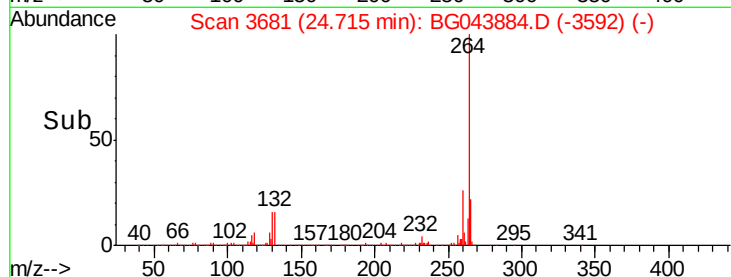
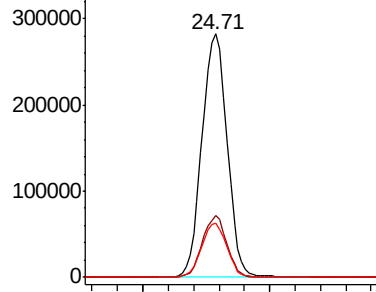
Tot Ion:	264	Resp:	774862
Ion Ratio	Lower	Upper	
264	100		
260	25.6	20.4	30.6
265	22.5	17.4	26.2

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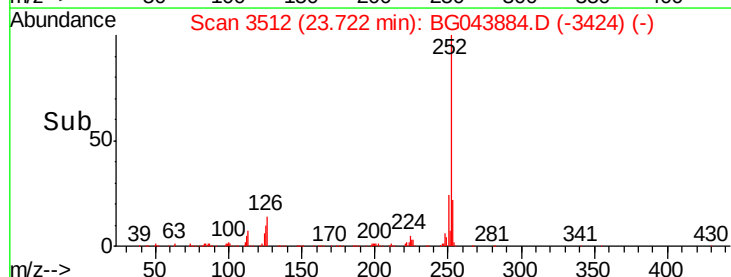
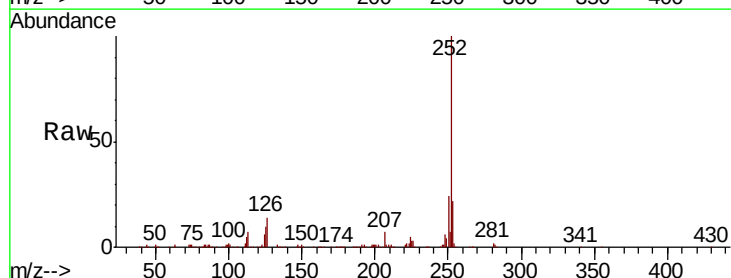
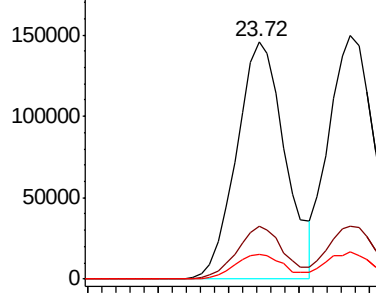
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

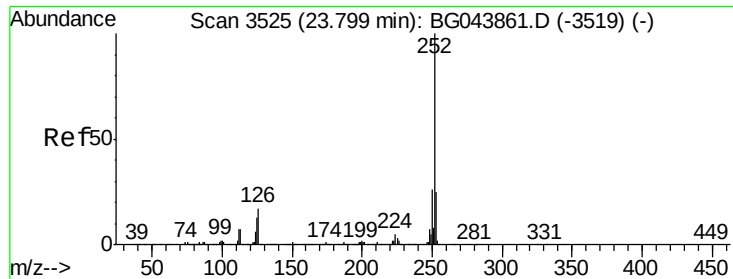


#88
Benzo(b)fluoranthene
Concen: 7.630 ng
RT: 23.72 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion:	252	Resp:	349506
Ion Ratio	Lower	Upper	
252	100		
253	22.5	19.7	29.5
125	10.3	9.4	14.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 7.877 ng

RT: 23.79 min Scan# 3523

Delta R.T. -0.01 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Instrument :

BNA_G

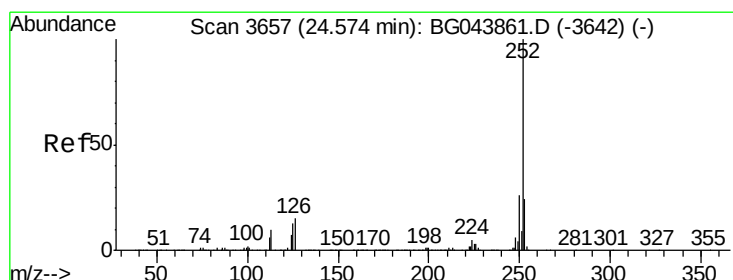
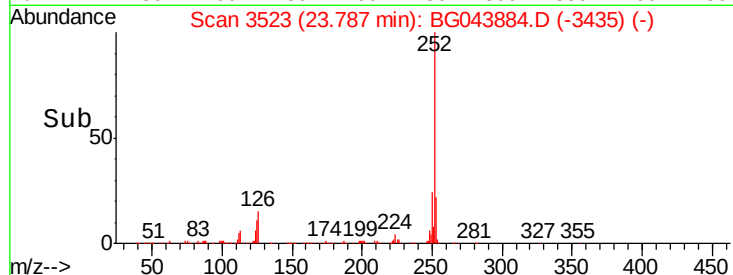
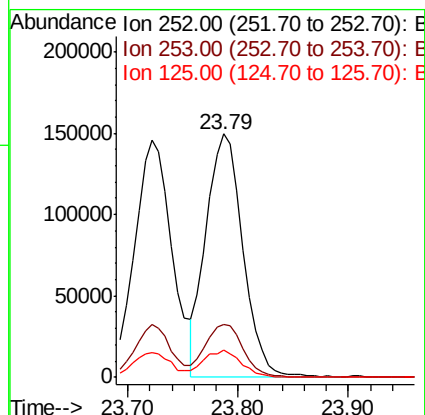
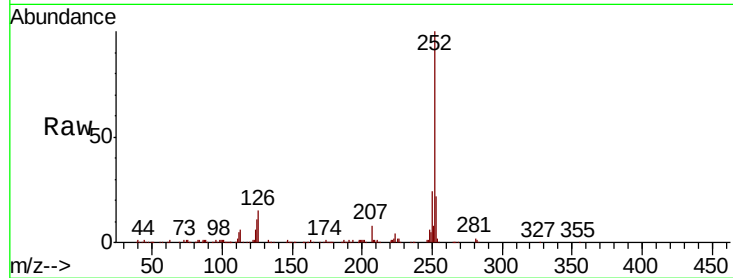
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	252	Resp:	343108
Ion Ratio	Lower	Upper	
252	100		
253	21.5	19.4	29.2
125	11.3	9.9	14.9

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#90

Benzo(a)pyrene

Concen: 7.262 ng

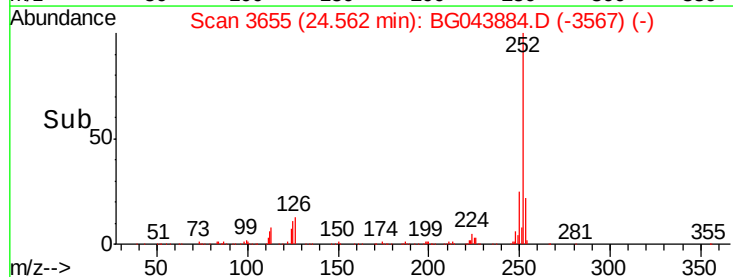
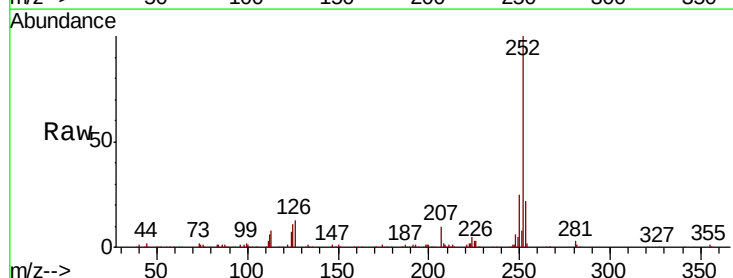
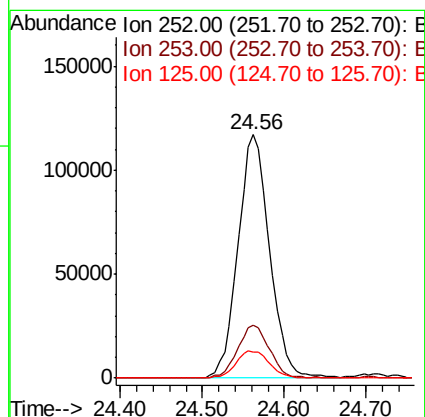
RT: 24.56 min Scan# 3655

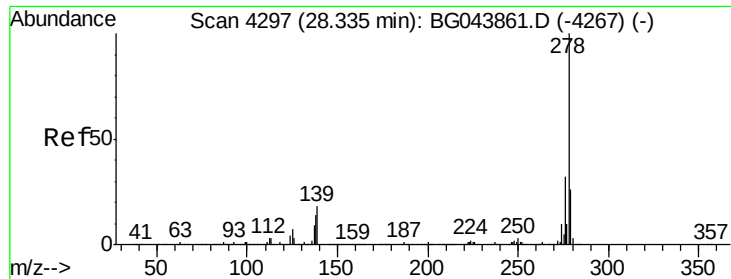
Delta R.T. -0.01 min

Lab File: BG043884.D

Acq: 3 Jan 2020 12:12

Tgt Ion:	252	Resp:	313973
Ion Ratio	Lower	Upper	
252	100		
253	21.9	19.3	28.9
125	10.5	10.4	15.6





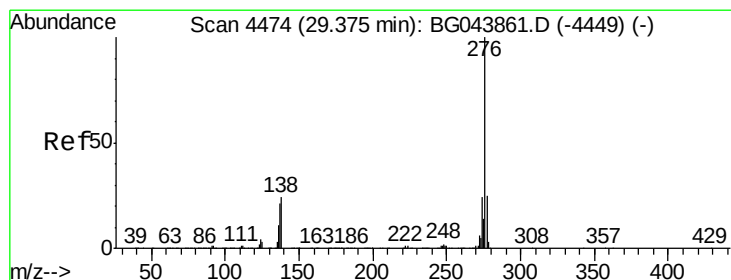
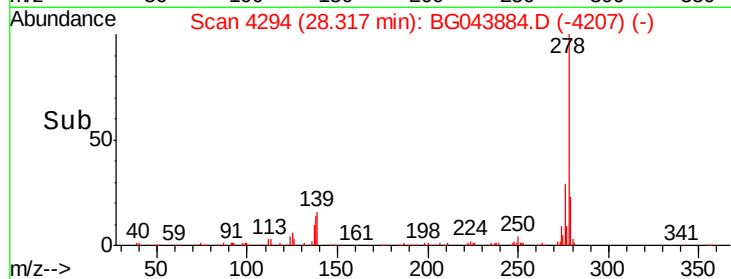
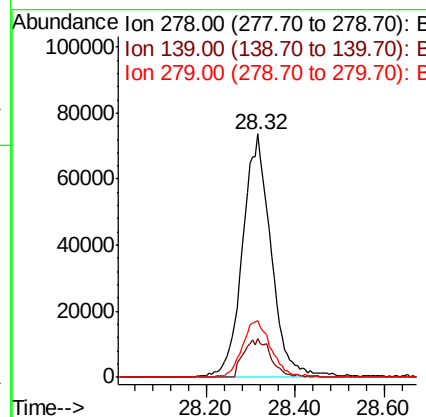
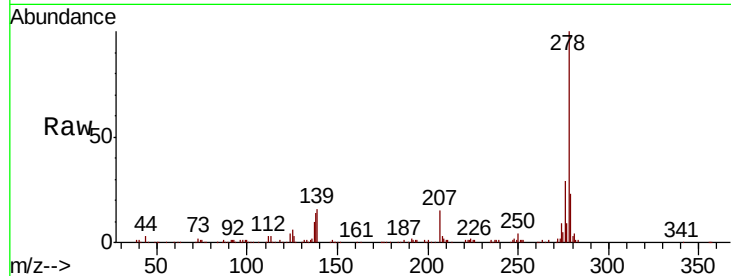
#91
Dibenzo(a,h)anthracene
Concen: 7.513 ng
RT: 28.32 min Scan# 4294
Delta R.T. -0.02 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.1	14.2	21.4
279	23.4	20.6	30.8

Manual Integrations
APPROVED

mohammad
1/6/2020 11:41:40 AM



#92
Benzo(g,h,i)perylene
Concen: 7.439 ng
RT: 29.34 min Scan# 4468
Delta R.T. -0.04 min
Lab File: BG043884.D
Acq: 3 Jan 2020 12:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	20.2	30.4
138	20.6	19.0	28.6

