

#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.96 min Scan# 830

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

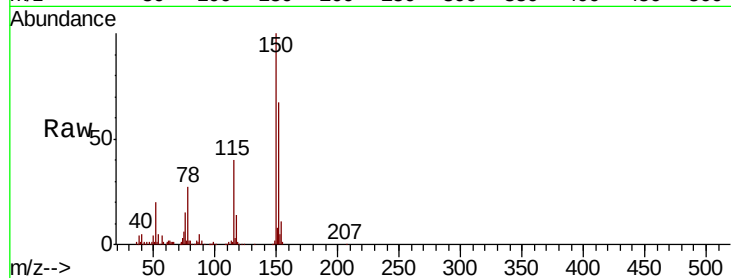
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	152	Resp:	123213
Ion	Ratio	Lower	Upper
152	100		
150	148.2	127.0	190.4
115	58.8	47.8	71.8

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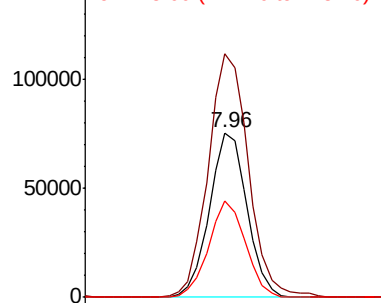


Abundance

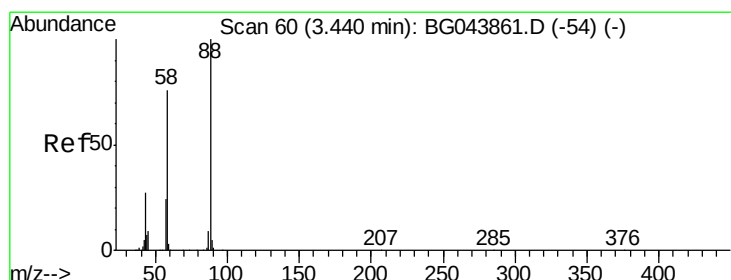
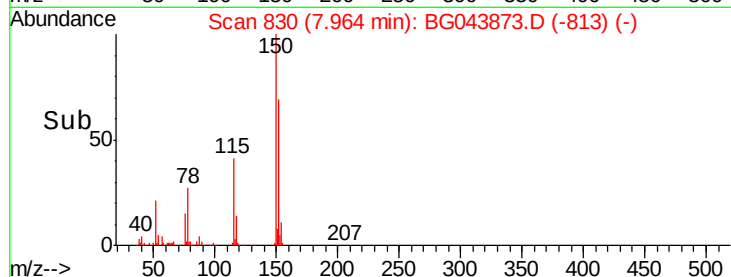
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#2

1,4-Dioxane

Concen: 6.056 ng

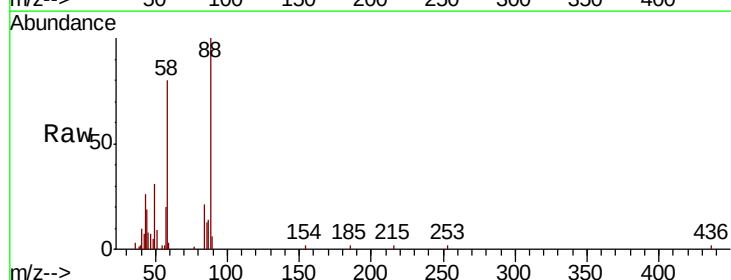
RT: 3.44 min Scan# 60

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Tgt Ion:	88	Resp:	17720
Ion	Ratio	Lower	Upper
88	100		
58	64.8	59.8	89.8
43	23.7	22.9	34.3

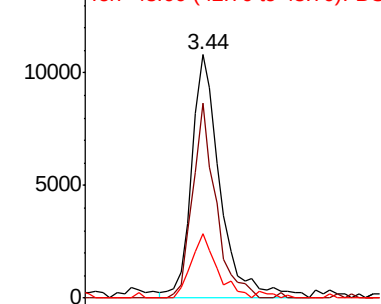


Abundance

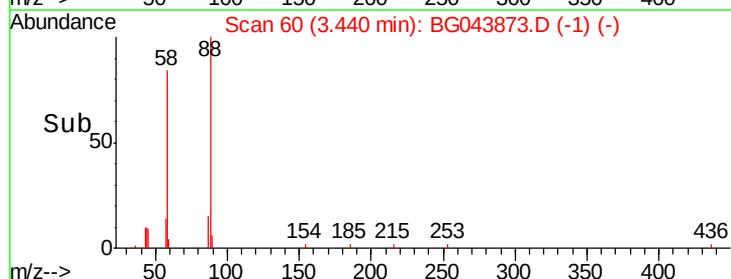
Ion 88.00 (87.70 to 88.70): BGC

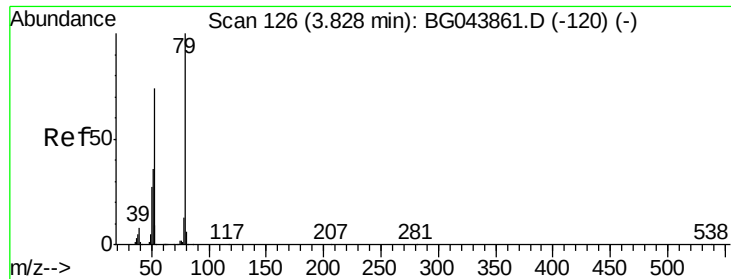
Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC



Time-->





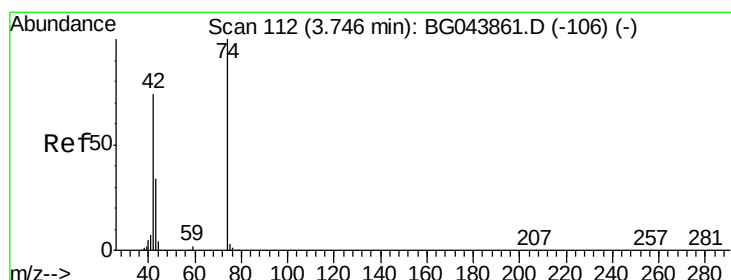
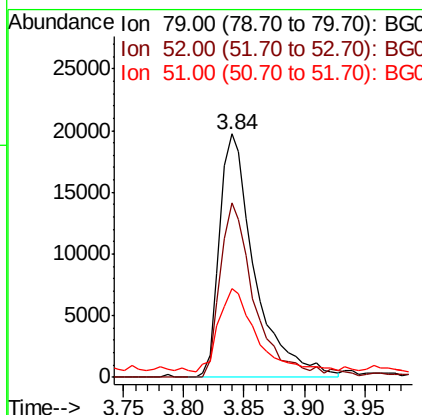
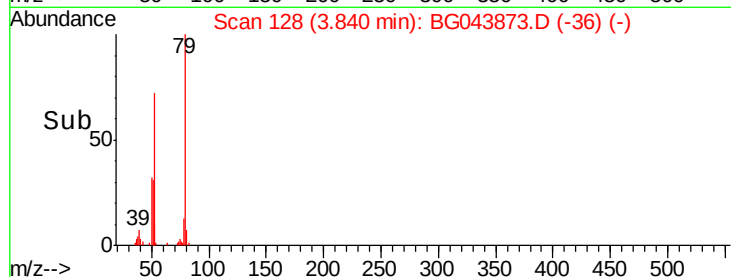
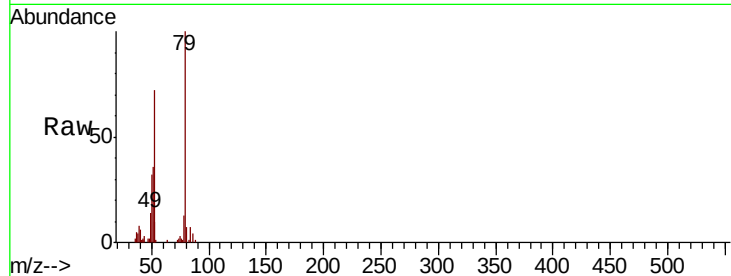
#3
 Pvridine
 Concen: 4.609 ng
 RT: 3.84 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: BG043873.D
 Acq: 2 Jan 2020 13:42

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		39836		
52	71.8	58.9	88.3		
51	36.3	28.6	43.0		

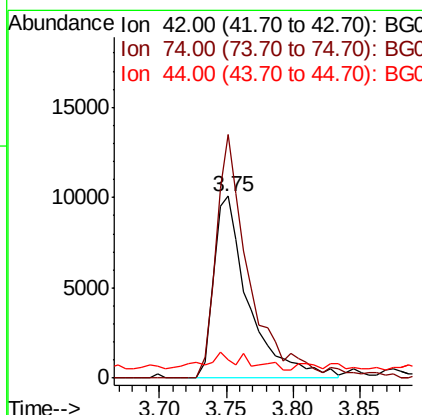
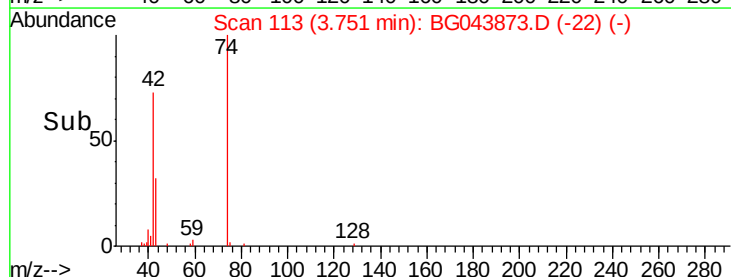
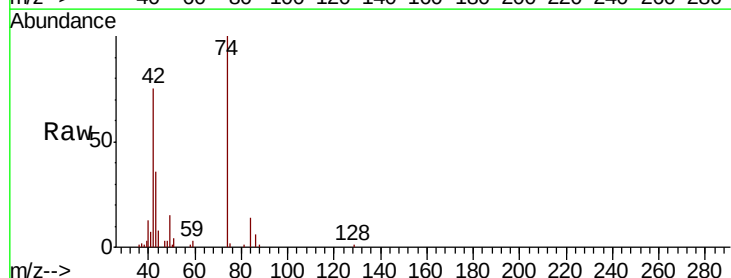
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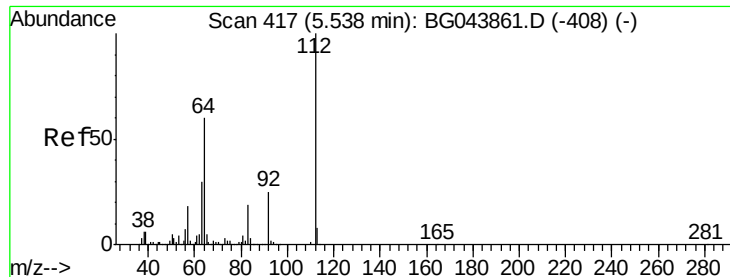
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#4
 n-Nitrosodimethylamine
 Concen: 4.801 ng
 RT: 3.75 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: BG043873.D
 Acq: 2 Jan 2020 13:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		18476		
74	134.0	108.6	162.8		
44	10.2	5.0	7.6#		





#5

2-Fluorophenol

Concen: 145.427 ng

RT: 5.54 min Scan# 417

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

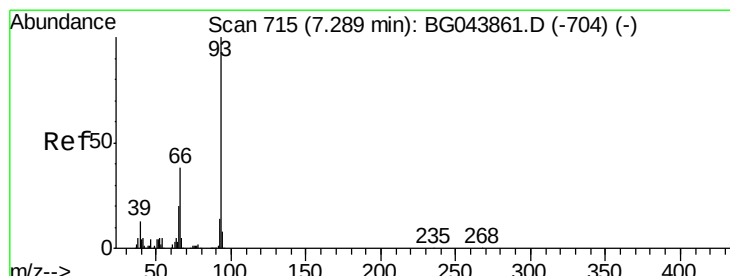
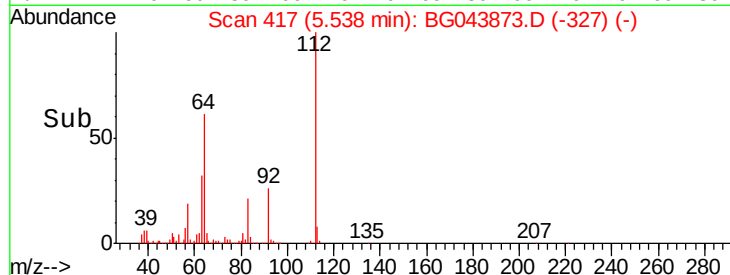
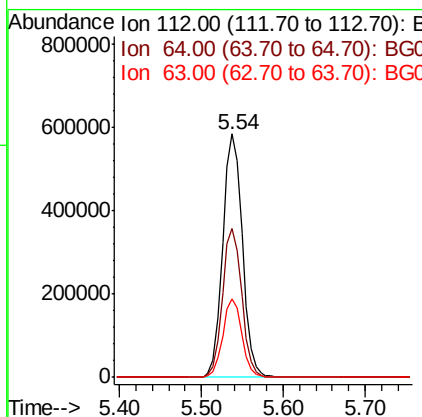
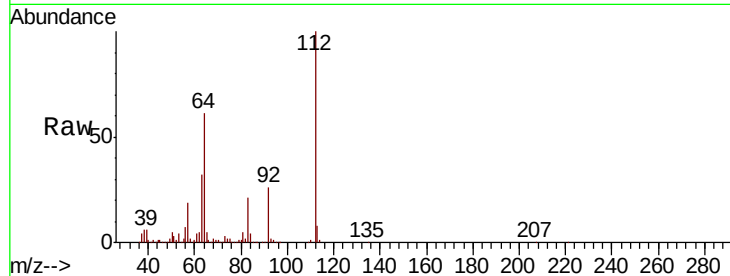
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	112	Resp:	975890
Ion Ratio	Lower	Upper	
112	100		
64	61.4	47.8	71.6
63	32.0	24.3	36.5

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#6

Aniline

Concen: 5.056 ng

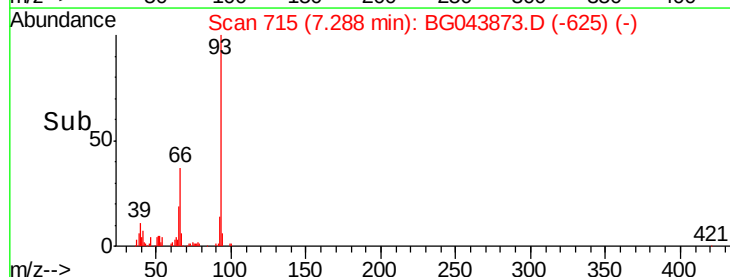
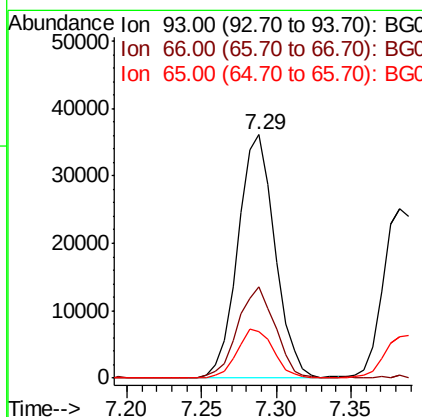
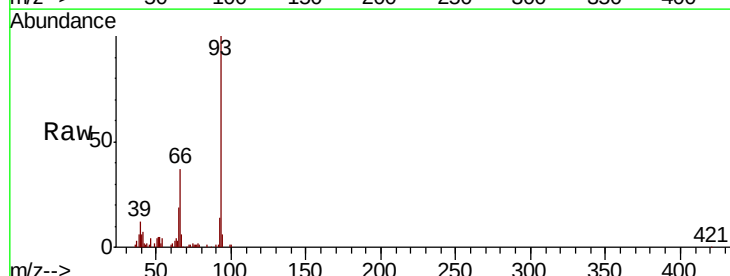
RT: 7.29 min Scan# 715

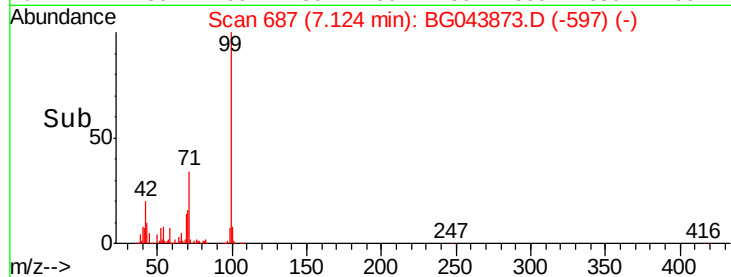
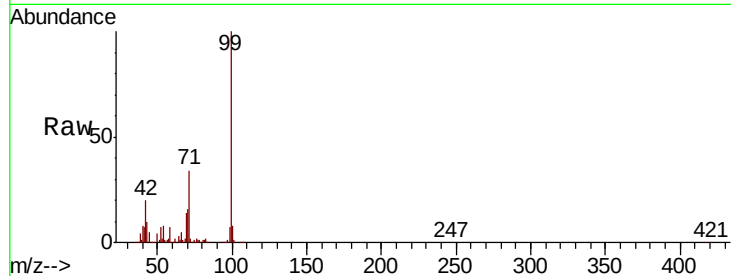
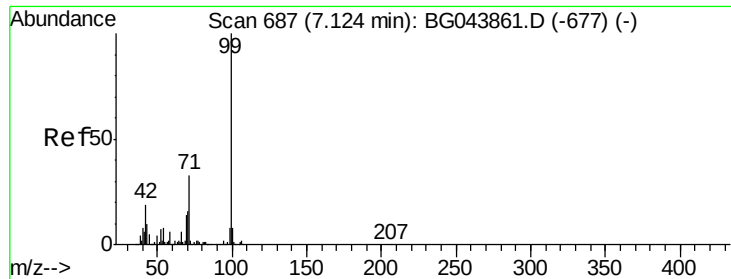
Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Tgt Ion:	93	Resp:	62287
Ion Ratio	Lower	Upper	
93	100		
66	37.5	30.8	46.2
65	19.0	16.0	24.0





#7

Phenol-d6

Concen: 141.224 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Tot Ion:	99	Resp:	1324689
Ion	Ratio	Lower	Upper
99	100		
42	19.9	14.9	22.3
71	34.2	26.4	39.6

Instrument :

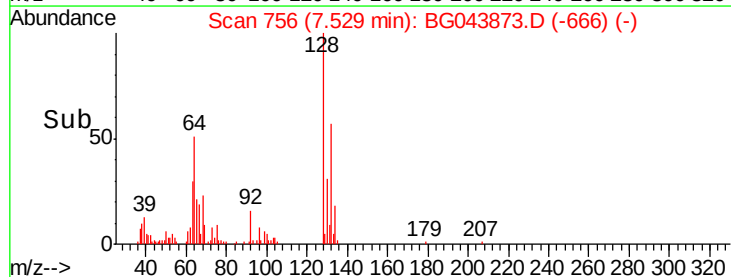
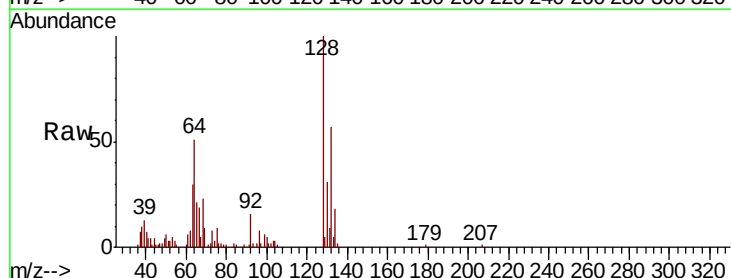
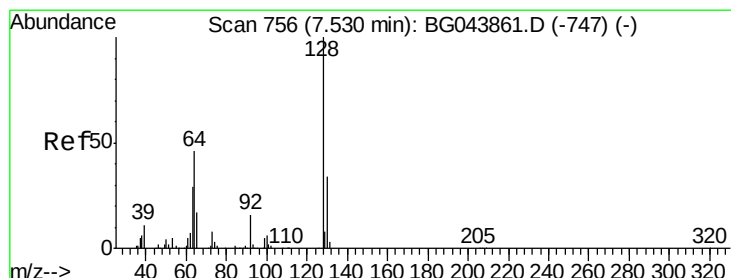
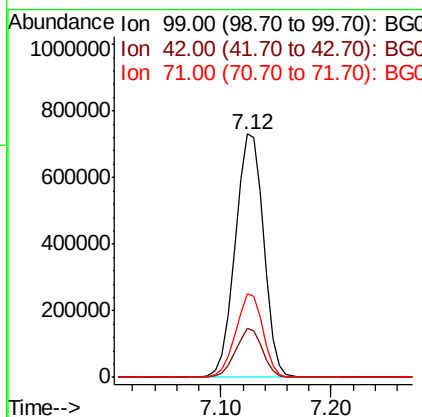
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

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#8

2-Chlorophenol

Concen: 5.073 ng

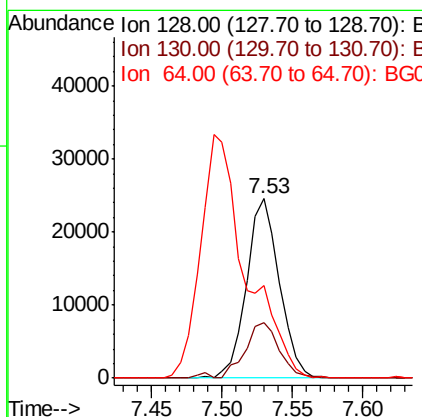
RT: 7.53 min Scan# 756

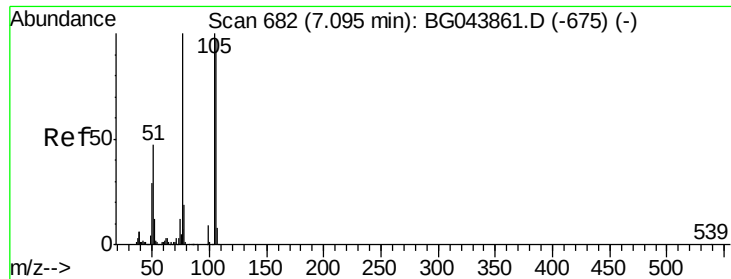
Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Tgt Ion:	128	Resp:	39964
Ion	Ratio	Lower	Upper
128	100		
130	30.7	13.8	53.8
64	51.4	27.6	67.6





#9

Benzaldehyde

Concen: 6.593 ng

RT: 7.10 min Scan# 683

Delta R.T. 0.01 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

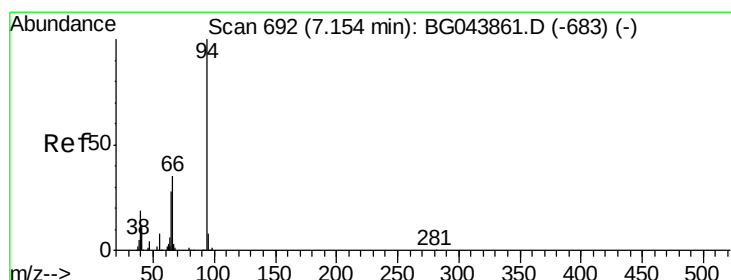
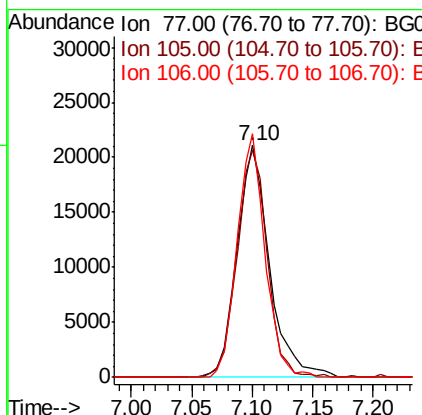
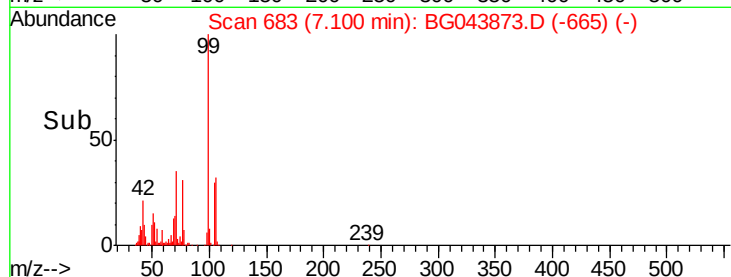
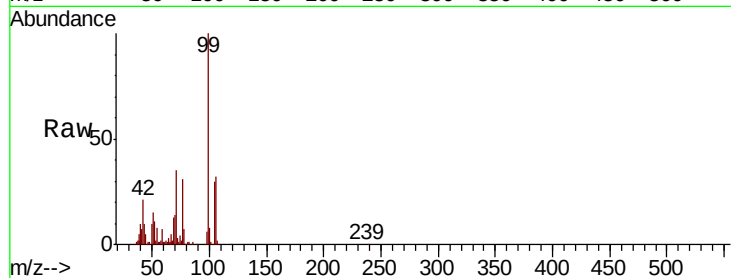
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	77	Resp:	39580
Ion	Ratio	Lower	Upper
77	100		
105	98.2	80.2	120.2
106	105.1	77.2	117.2

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#10

Phenol

Concen: 5.199 ng

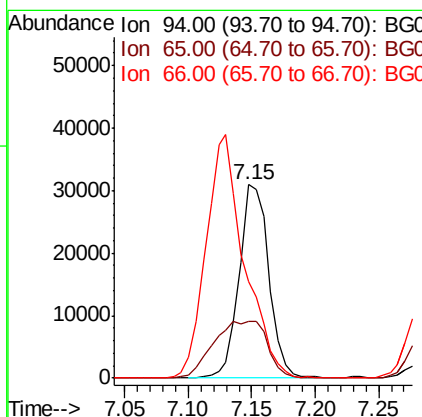
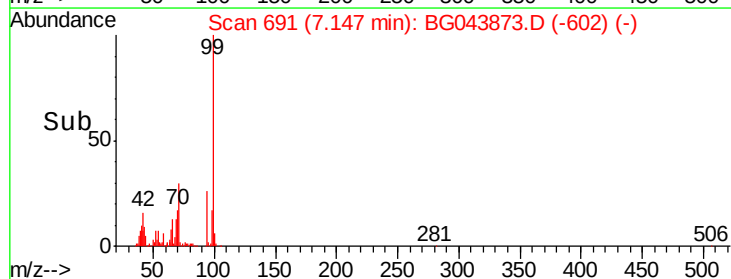
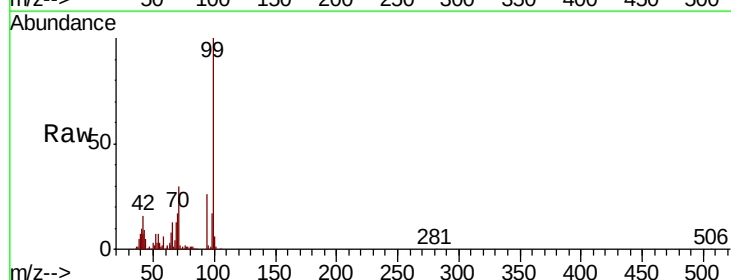
RT: 7.15 min Scan# 691

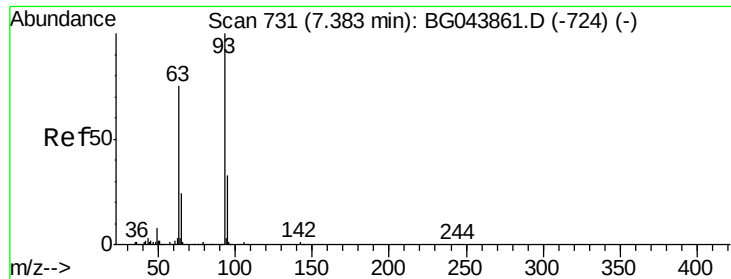
Delta R.T. -0.01 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Tgt Ion:	94	Resp:	50245
Ion	Ratio	Lower	Upper
94	100		
65	29.0	8.1	48.1
66	49.6	15.6	55.6





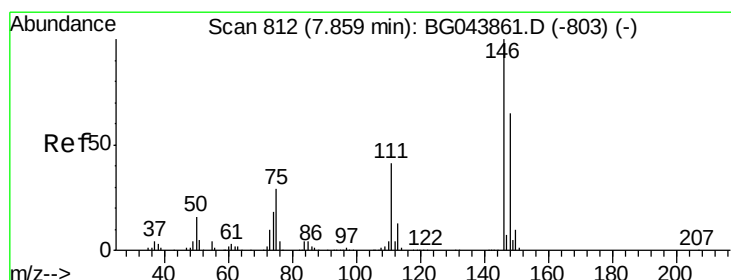
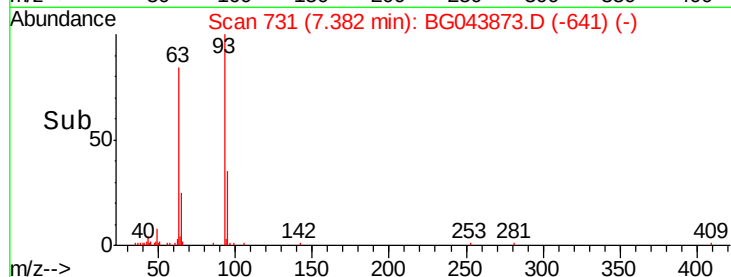
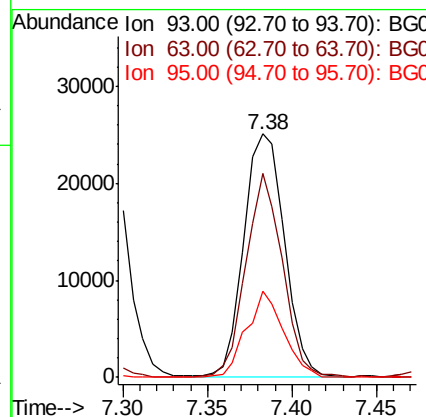
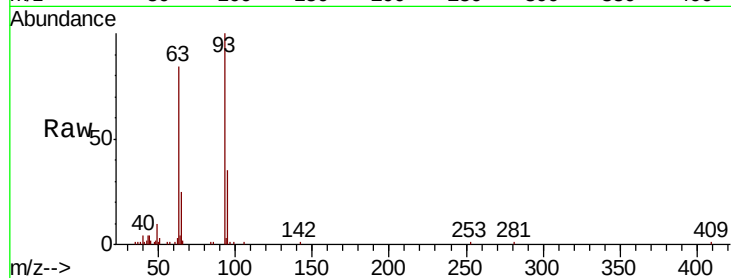
#11
bis(2-Chloroethyl)ether
Concen: 5.057 ng
RT: 7.38 min Scan# 731
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	83.8	55.0	95.0
95	35.4	13.3	53.3

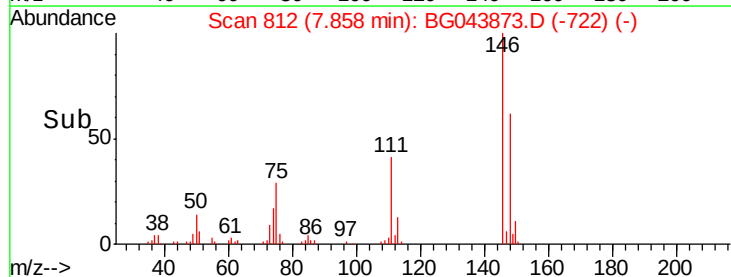
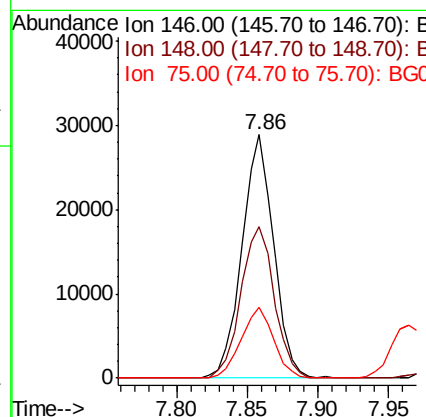
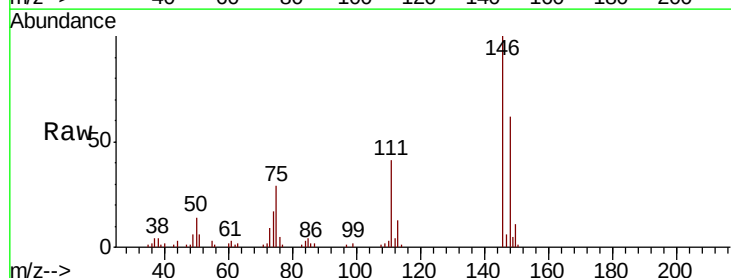
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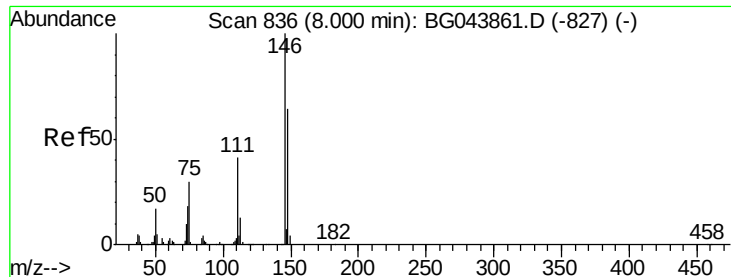
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#12
1,3-Dichlorobenzene
Concen: 4.900 ng
RT: 7.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.0	52.1	78.1
75	29.0	23.0	34.4





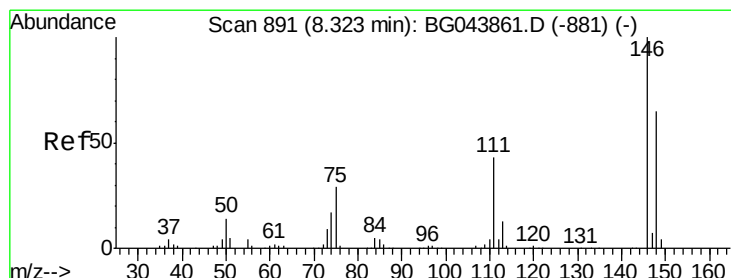
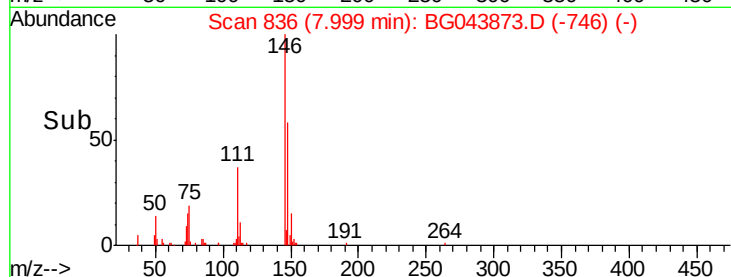
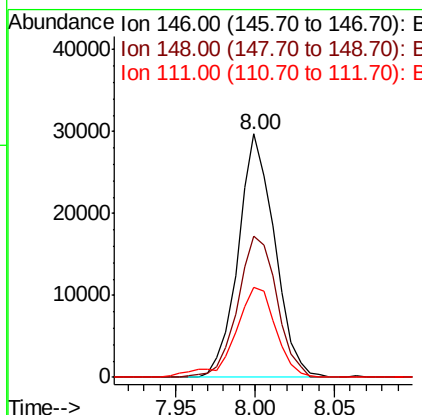
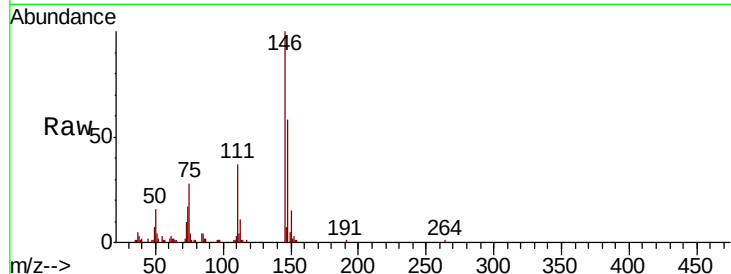
#13
 1,4-Dichlorobenzene
 Concen: 5.191 ng
 RT: 8.00 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BG043873.D
 Acq: 2 Jan 2020 13:42

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	58.2	51.2	76.8
111	37.0	33.1	49.7

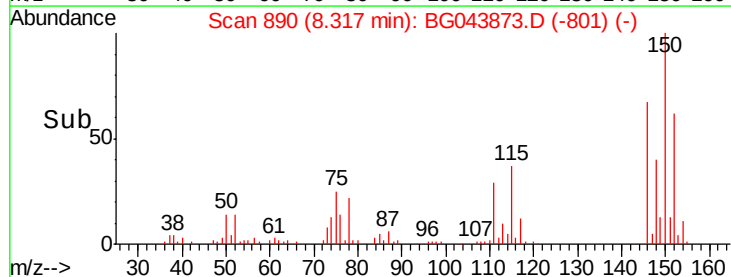
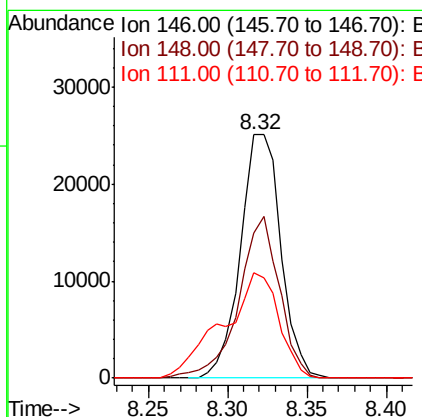
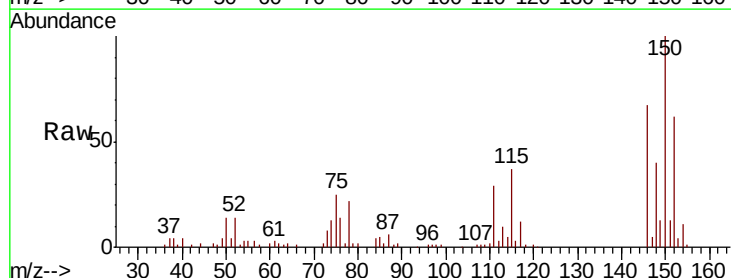
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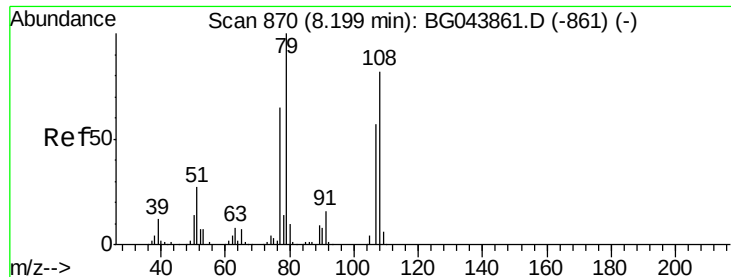
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#14
 1,2-Dichlorobenzene
 Concen: 5.096 ng
 RT: 8.32 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BG043873.D
 Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
146	100		
148	59.3	51.7	77.5
111	43.2	34.4	51.6





#15

Benzyl Alcohol

Concen: 4.805 ng

RT: 8.20 min Scan# 870

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

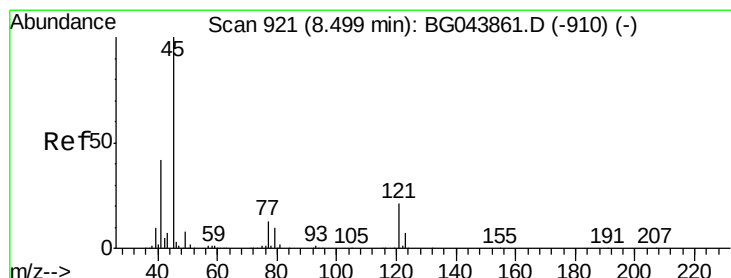
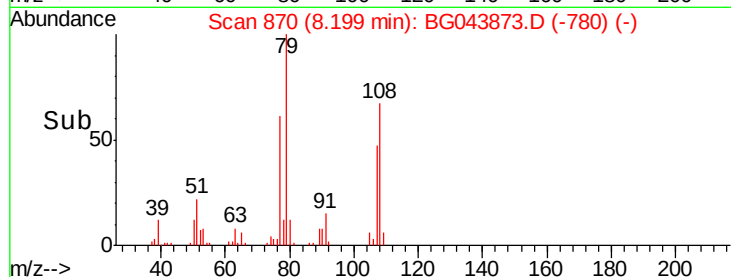
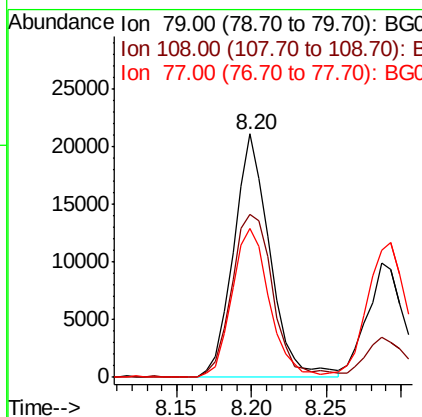
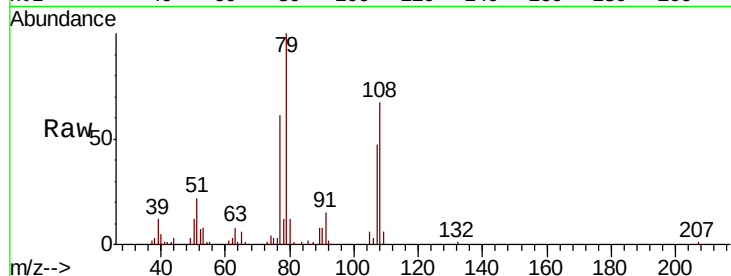
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	79	Resp:	35571
Ion Ratio	Lower	Upper	
79	100		
108	66.8	65.6	98.4
77	61.3	52.0	78.0

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#16

2,2'-oxybis(1-chloropropane)

Concen: 4.746 ng

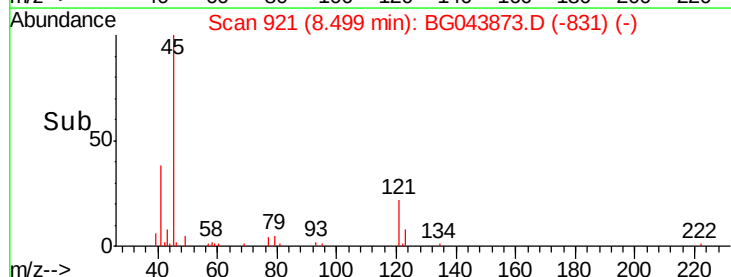
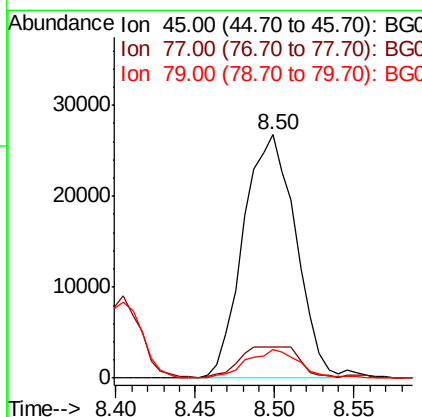
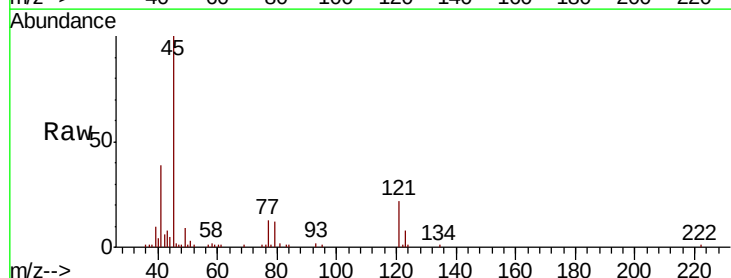
RT: 8.50 min Scan# 921

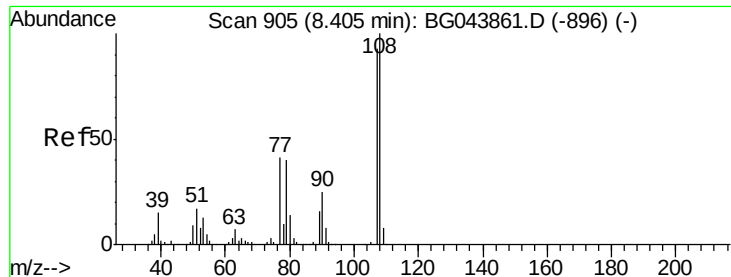
Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Tgt Ion:	45	Resp:	61255
Ion Ratio	Lower	Upper	
45	100		
77	12.8	0.0	33.8
79	11.6	0.0	31.0





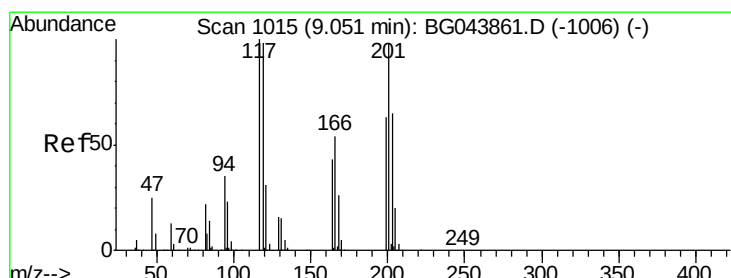
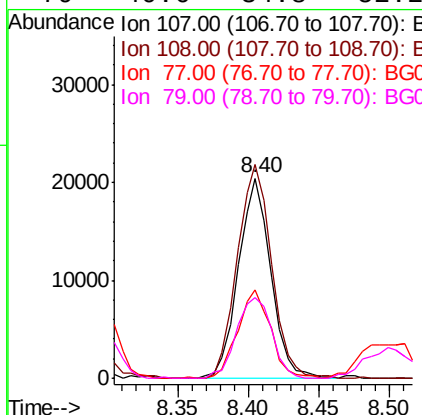
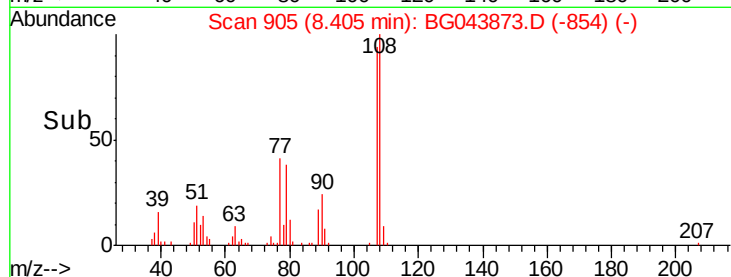
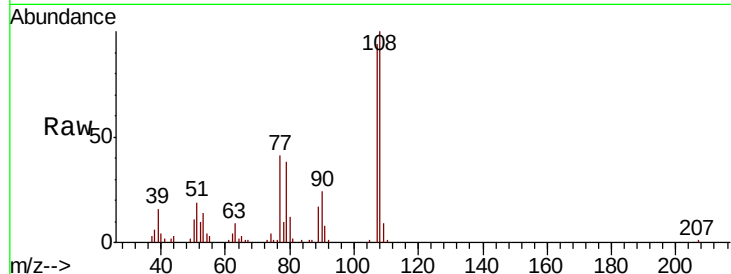
#17
2-Methylphenol
Concen: 4.688 ng
RT: 8.40 min Scan# 905
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	107	Resp:	32785
Ion Ratio	Lower	Upper	
107	100		
108	106.9	86.1	129.1
77	44.4	35.4	53.0
79	40.6	34.8	52.2

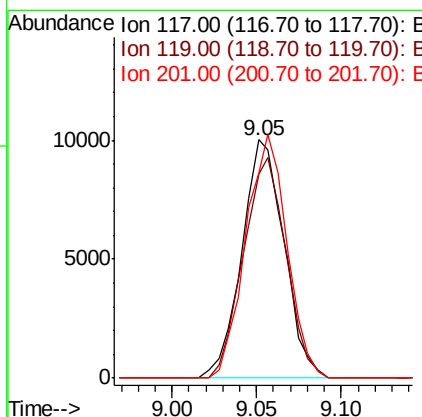
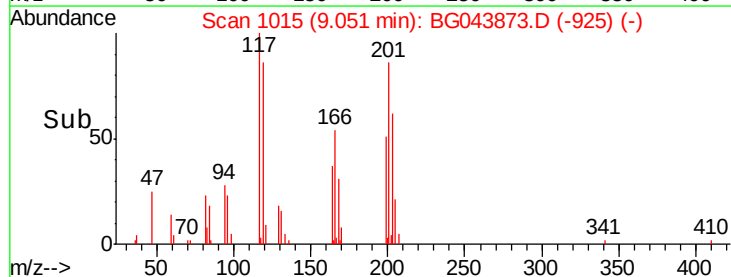
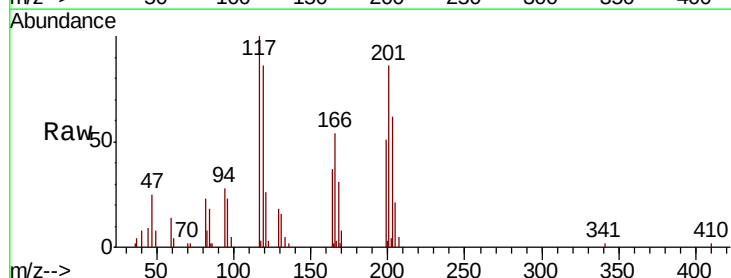
Manual Integrations
APPROVED

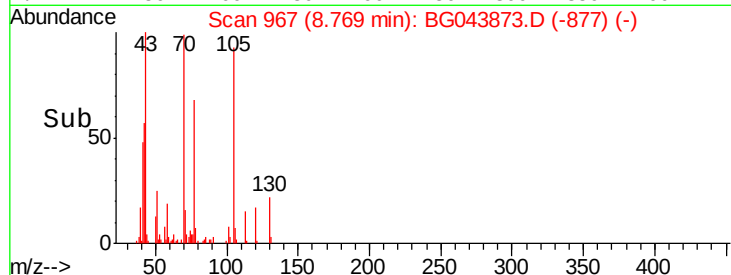
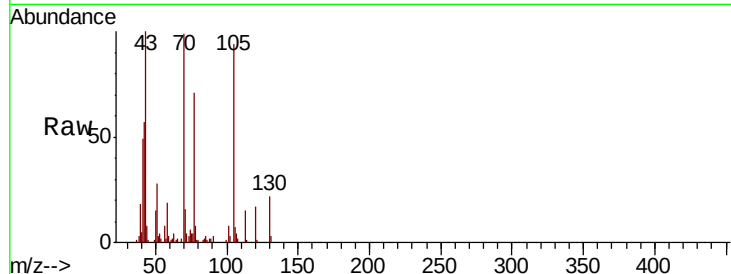
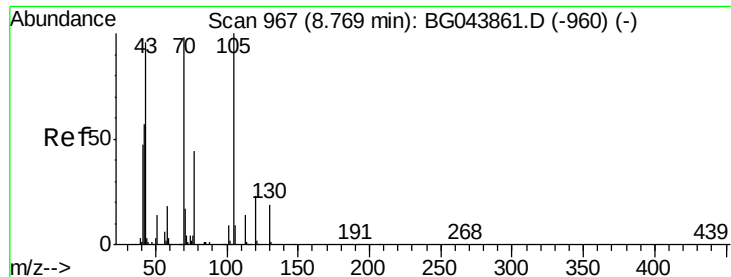
mohammad
1/3/2020 11:05:05 AM



#18
Hexachloroethane
Concen: 4.918 ng
RT: 9.05 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion:	117	Resp:	17407
Ion Ratio	Lower	Upper	
117	100		
119	85.8	78.1	117.1
201	86.1	78.6	117.8





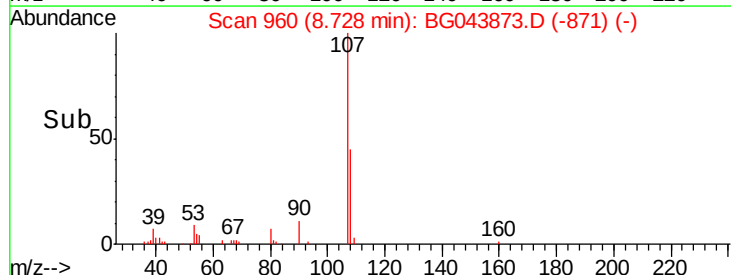
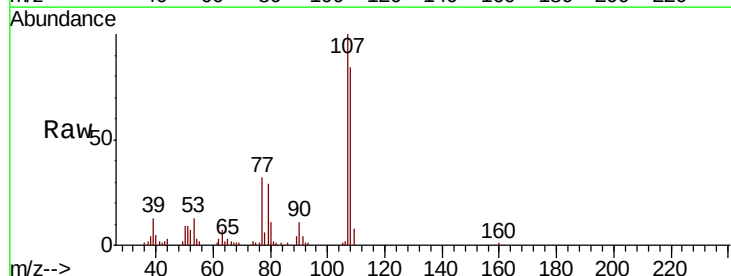
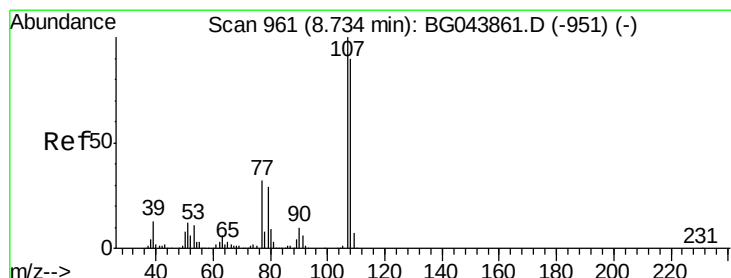
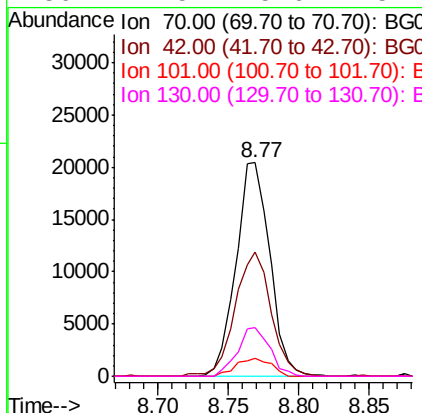
#19
n-Nitroso-di-n-propylamine
Concen: 4.900 ng
RT: 8.77 min Scan# 967
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	57.9	47.0	70.4	
101	8.5	7.2	10.8	
130	22.5	15.6	23.4	

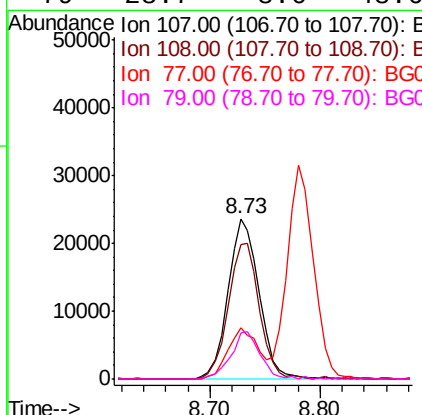
Manual Integrations
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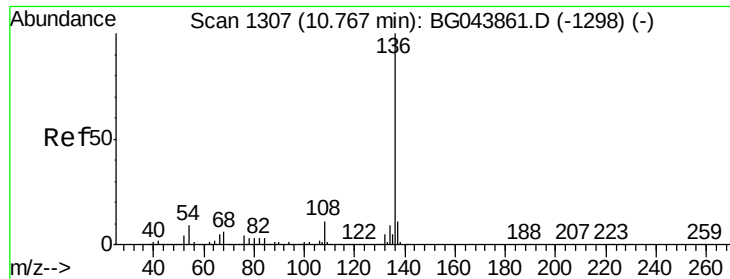
mohammad
1/3/2020 11:05:05 AM



#20
3+4-Methylphenols
Concen: 4.763 ng
RT: 8.73 min Scan# 960
Delta R.T. -0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	84.1	70.3	110.3	
77	32.4	12.4	52.4	
79	28.7	8.6	48.6	





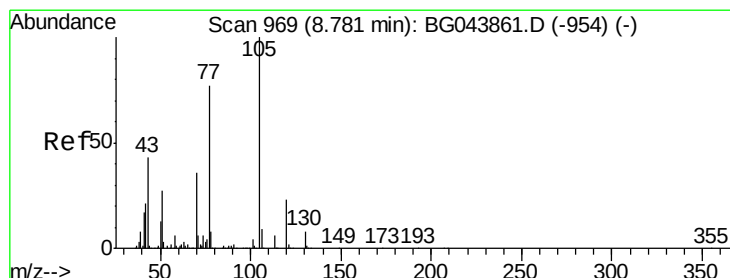
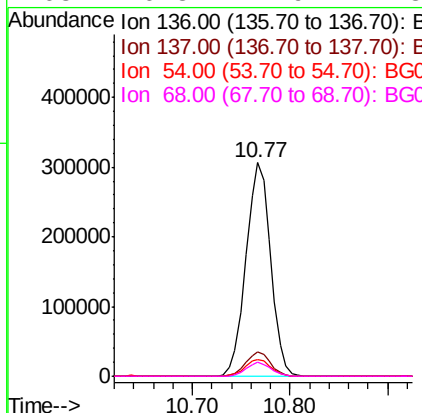
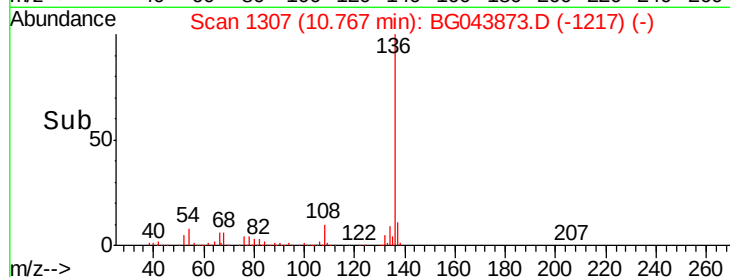
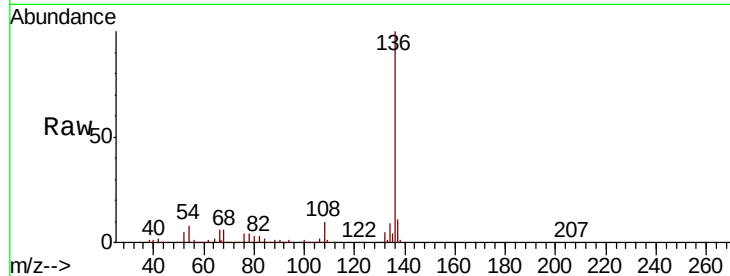
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
136	100	541951		
137	11.2		8.8	13.2
54	7.9		7.0	10.4
68	6.3		4.9	7.3

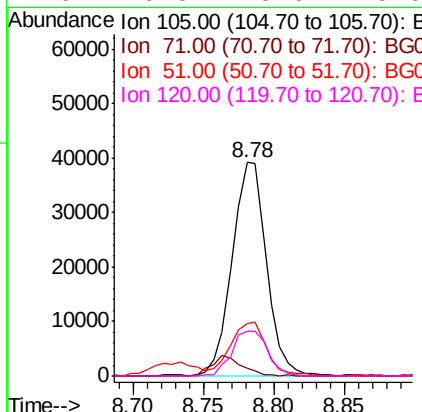
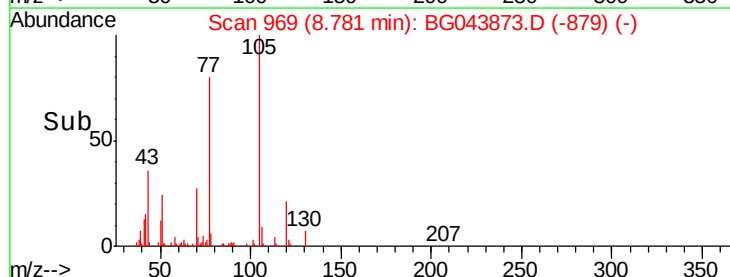
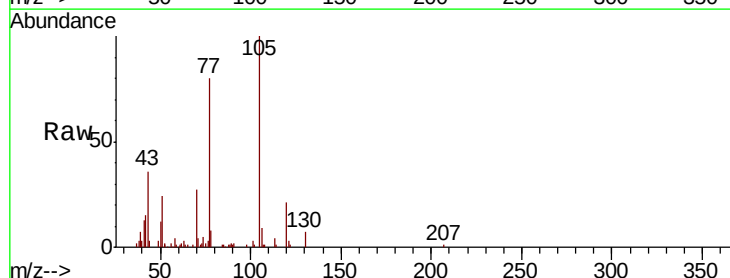
Manual Integrations
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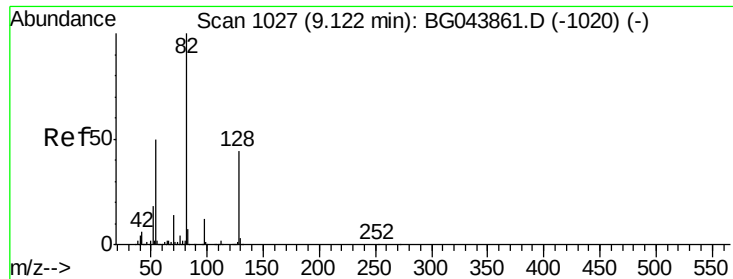
mohammad
1/3/2020 11:05:05 AM



#22
Acetophenone
Concen: 4.940 ng
RT: 8.78 min Scan# 969
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	66557		
71	3.8		4.8	7.2#
51	24.5		21.4	32.0
120	20.8		18.6	28.0





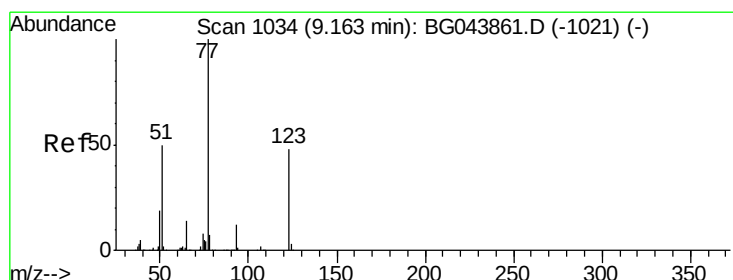
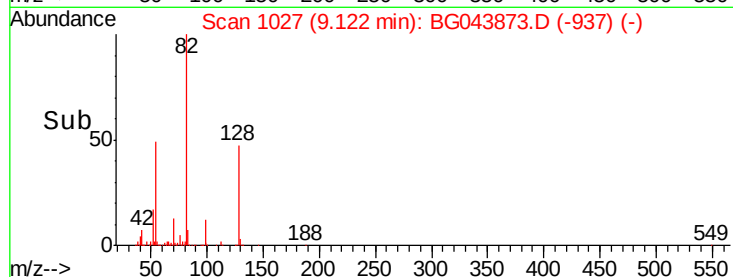
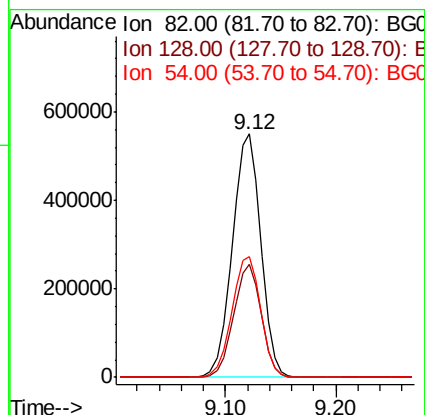
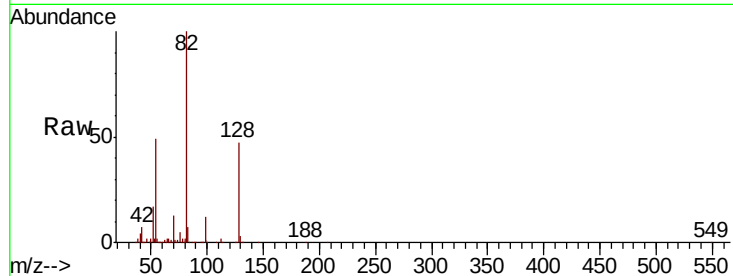
#23
 Nitrobenzene-d5
 Concen: 97.753 ng
 RT: 9.12 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BG043873.D
 Acq: 2 Jan 2020 13:42

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	35.1	52.7
54	49.4	40.1	60.1

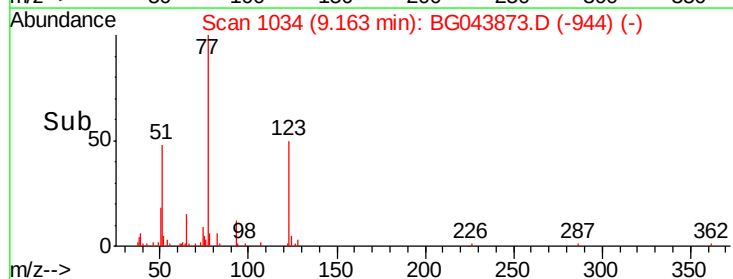
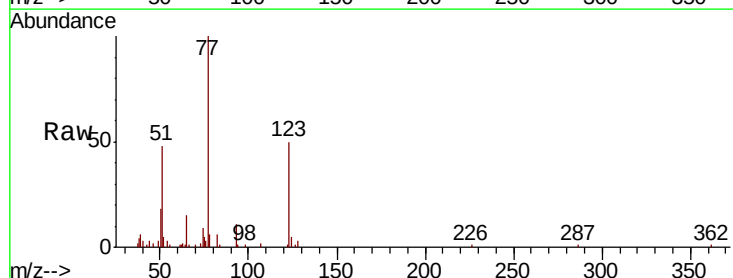
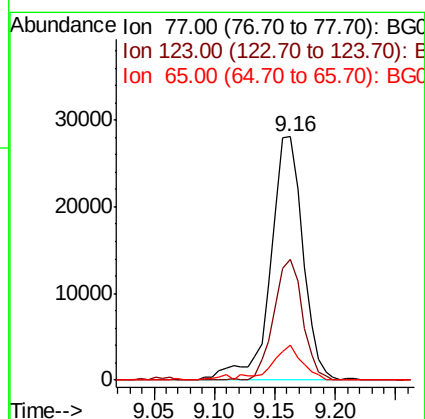
Manual Integrations
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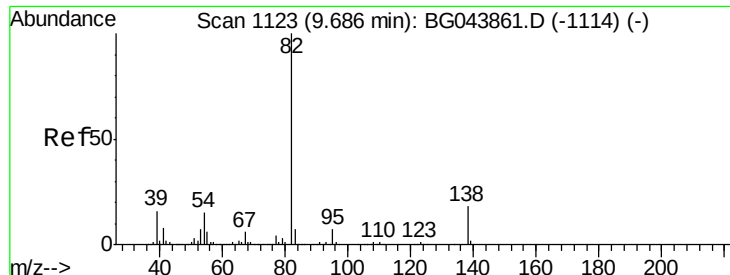
mohammad
 1/3/2020 11:05:05 AM



#24
 Nitrobenzene
 Concen: 5.179 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BG043873.D
 Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.7	38.7	58.1
65	14.5	11.1	16.7





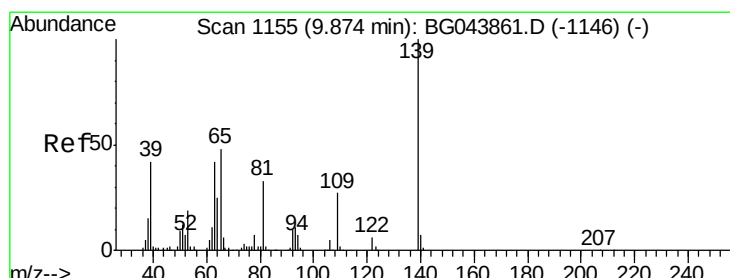
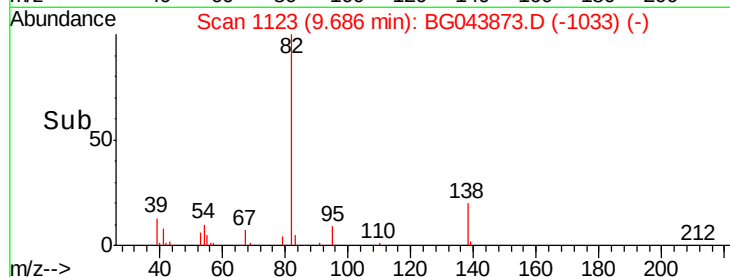
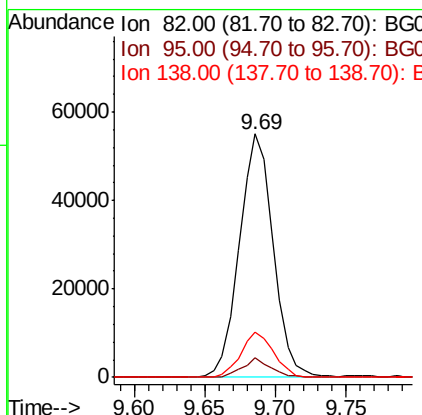
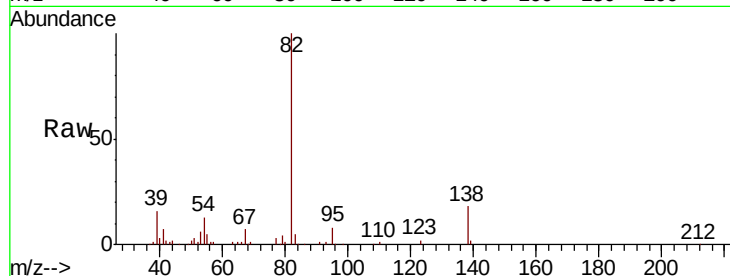
#25
Isophorone
Concen: 4.866 ng
RT: 9.69 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
82	100		
95	8.1	5.8	8.6
138	18.4	14.6	22.0

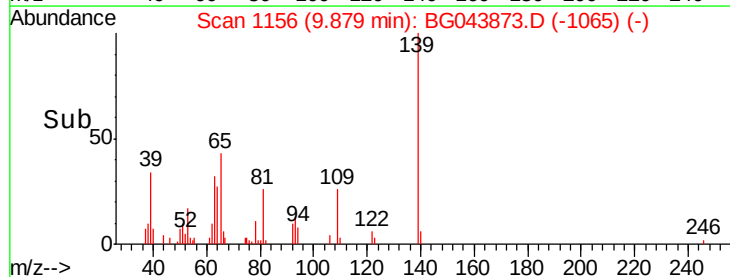
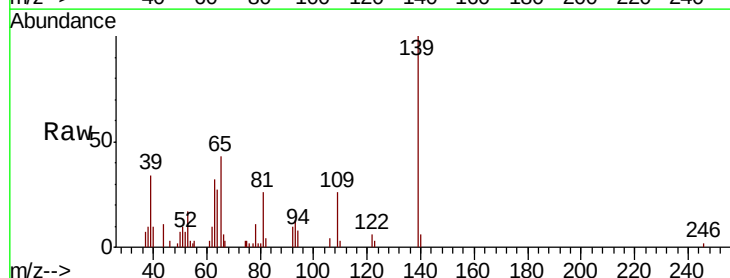
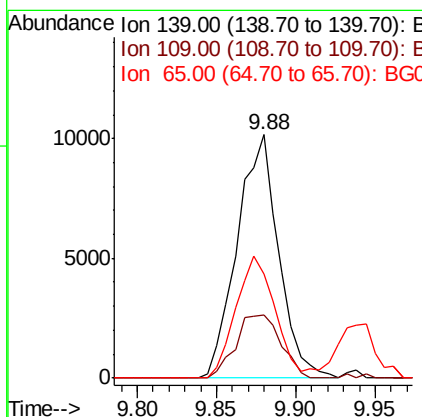
Manual Integrations
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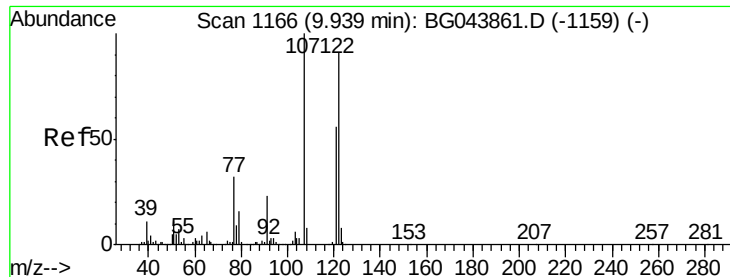
mohammad
1/3/2020 11:05:05 AM



#26
2-Nitrophenol
Concen: 3.877 ng
RT: 9.88 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
139	100		
109	26.1	21.3	31.9
65	42.9	38.6	57.8





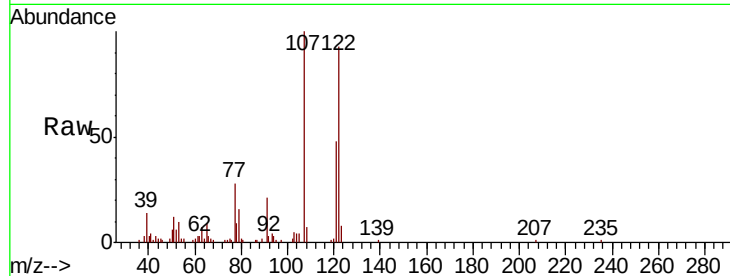
#27
2,4-Dimethylphenol
Concen: 5.151 ng
RT: 9.94 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
122	100		
107	107.9	88.0	132.0
121	52.0	49.0	73.4

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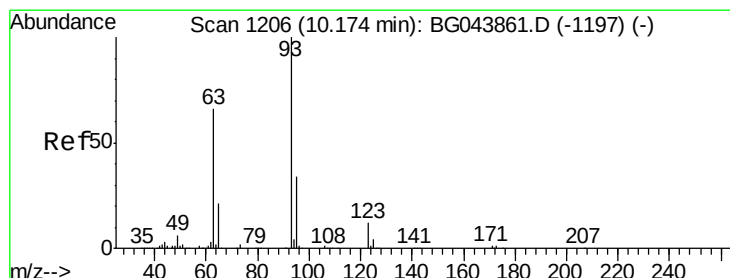
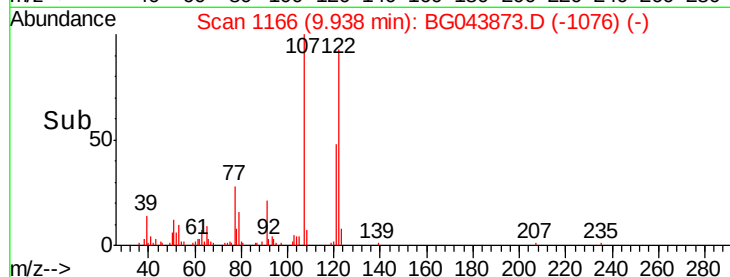
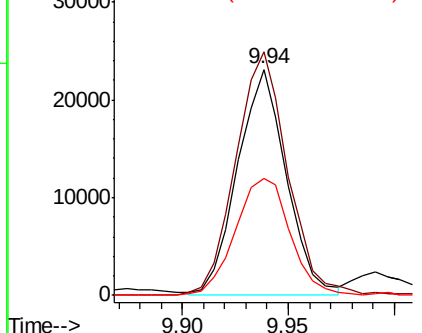


Abundance

Ion 122.00 (121.70 to 122.70): E

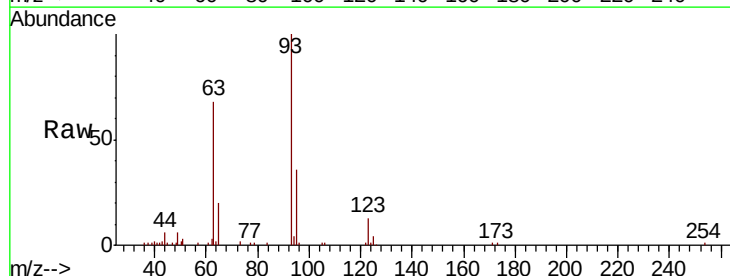
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 4.803 ng
RT: 10.17 min Scan# 1206
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	35.7	27.2	40.8
123	12.5	9.7	14.5

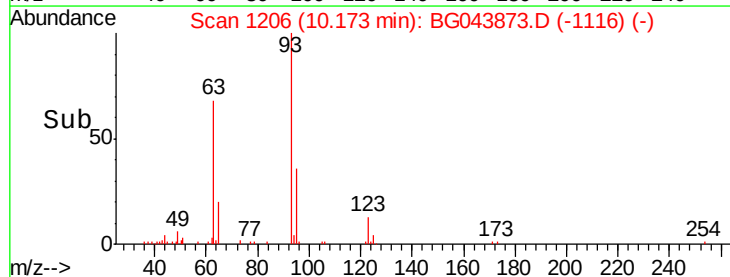
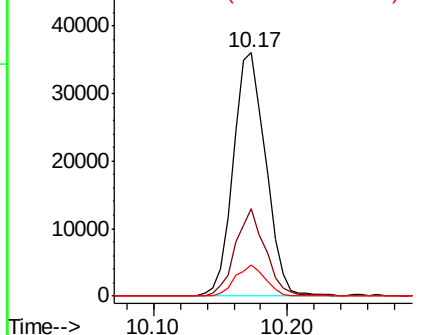


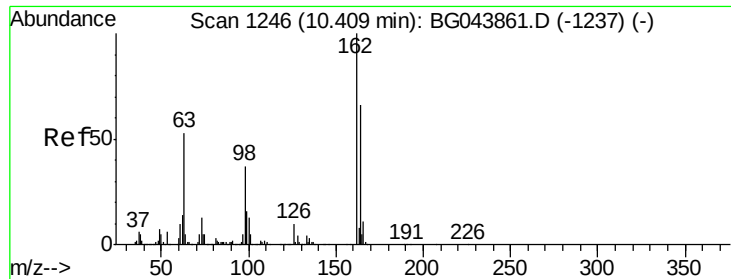
Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E





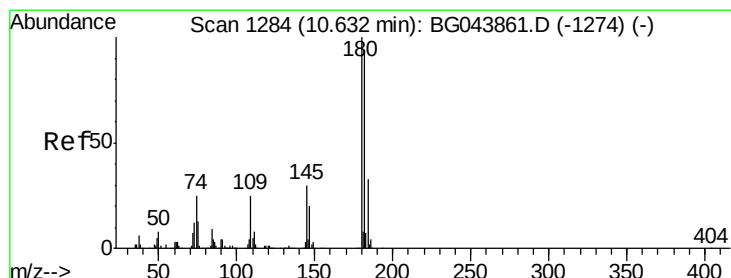
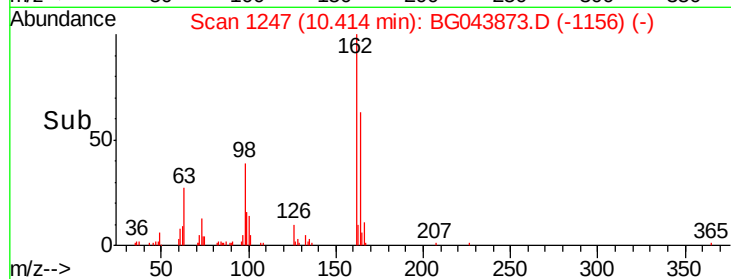
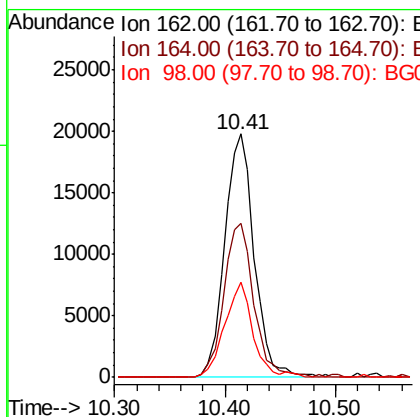
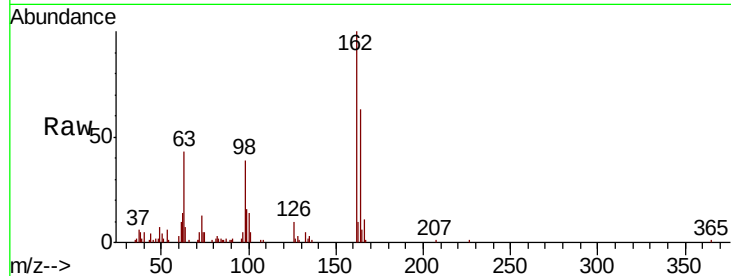
#29
2,4-Dichlorophenol
Concen: 4.330 ng
RT: 10.41 min Scan# 1247
Delta R.T. 0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
162	100	36905		
164	63.1	46.3	86.3	
98	39.3	17.3	57.3	

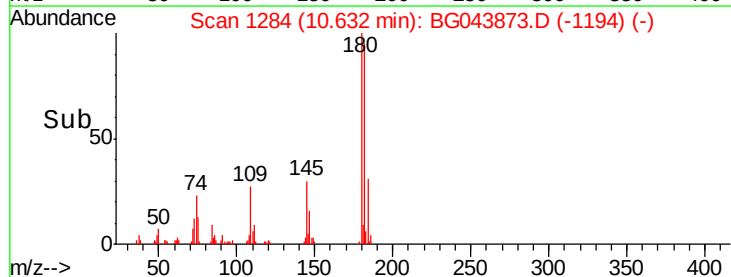
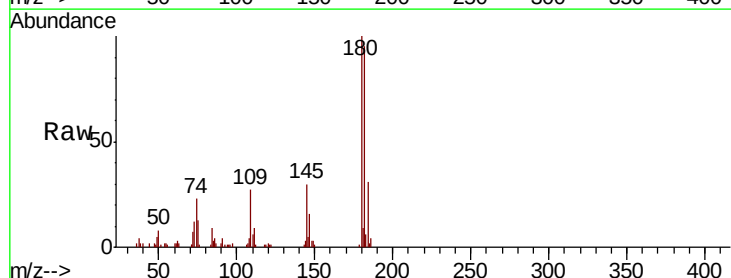
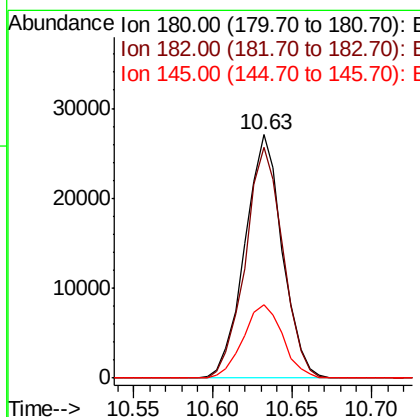
Manual Integrations
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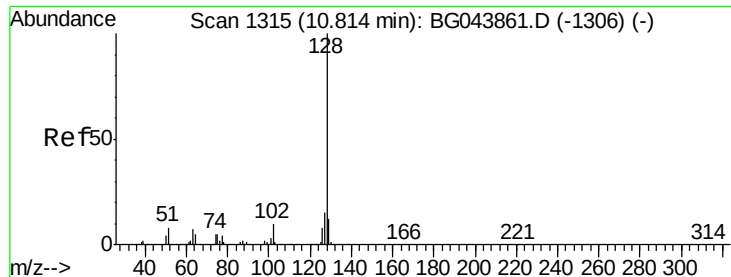
mohammad
1/3/2020 11:05:05 AM



#30
1,2,4-Trichlorobenzene
Concen: 4.642 ng
RT: 10.63 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	44364		
182	94.9	75.0	112.4	
145	30.2	24.2	36.4	





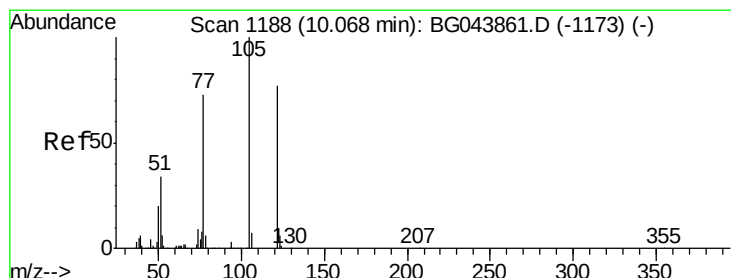
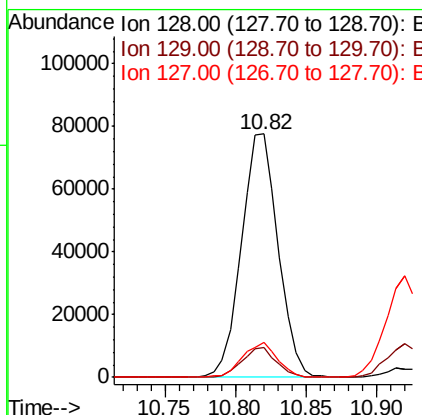
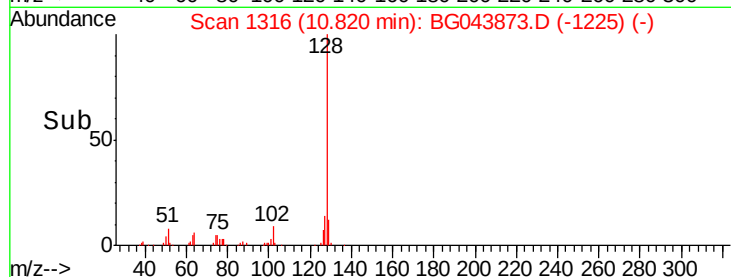
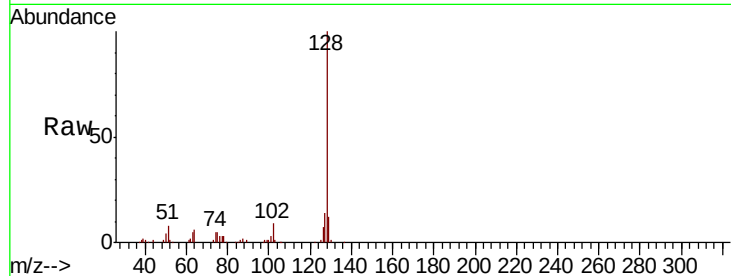
#31
Naphthalene
Concen: 5.374 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.8	14.6
127	14.2	12.0	18.0

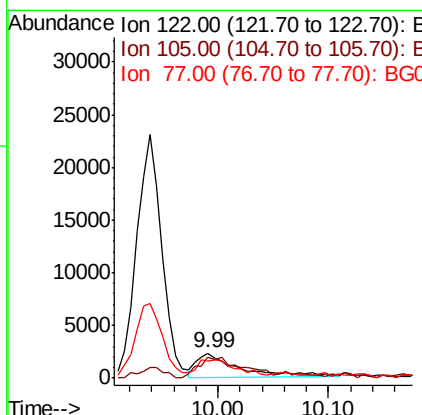
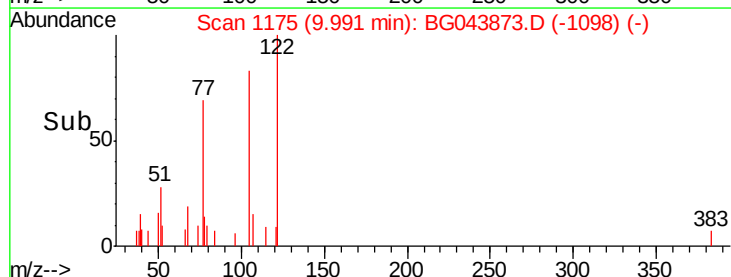
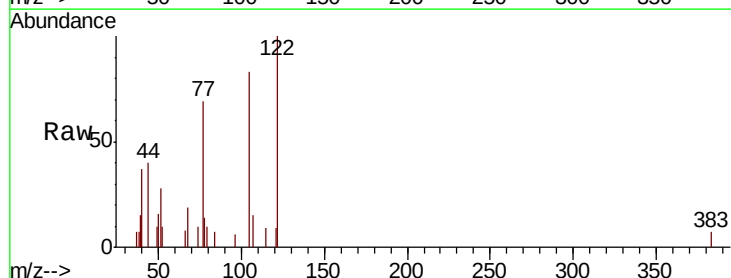
Manual Integrations
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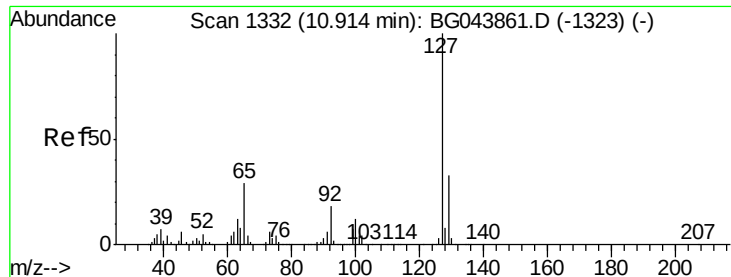
mohammad
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#32
Benzoic acid
Concen: 1.085 ng
RT: 9.99 min Scan# 1175
Delta R.T. -0.08 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
122	100		
105	82.5	106.4	146.4#
77	69.0	74.6	114.6#





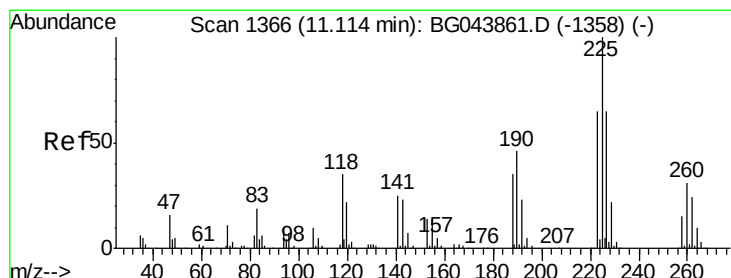
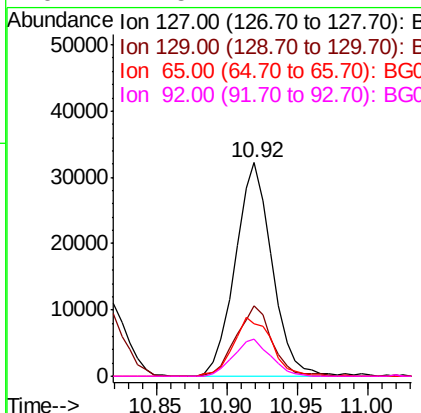
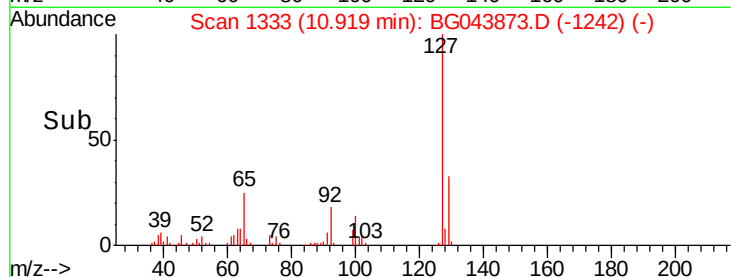
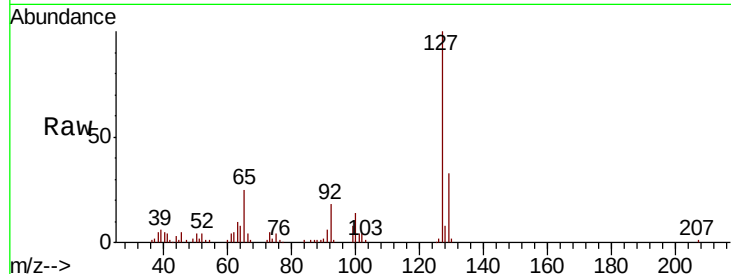
#33
4-Chloroaniline
Concen: 4.686 ng
RT: 10.92 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.6	40.0
65	24.6	23.3	34.9
92	17.5	14.7	22.1

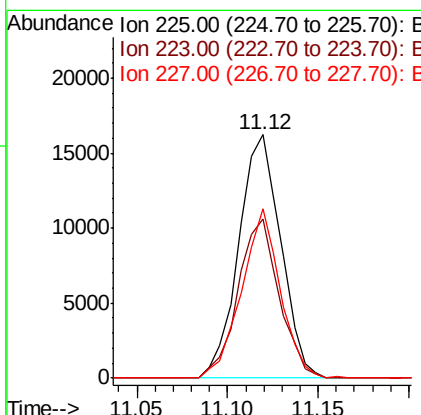
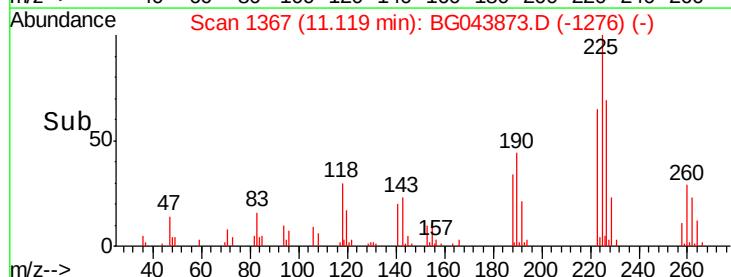
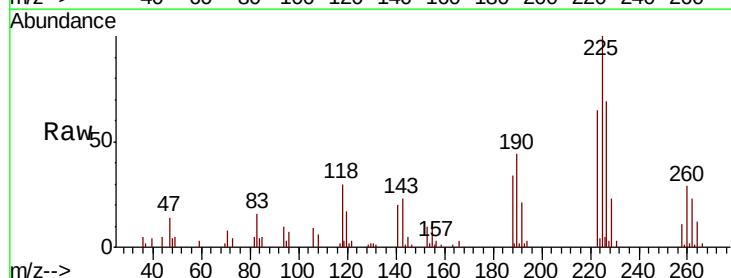
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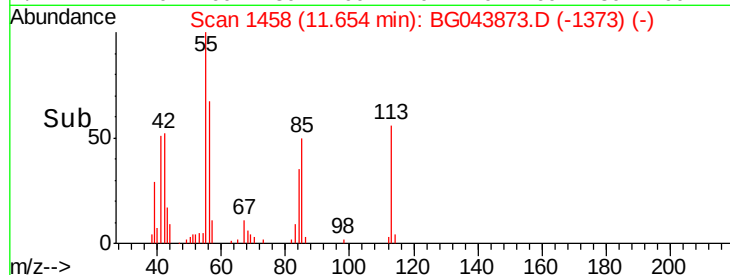
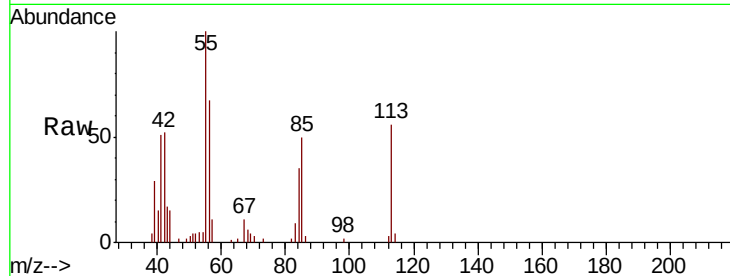
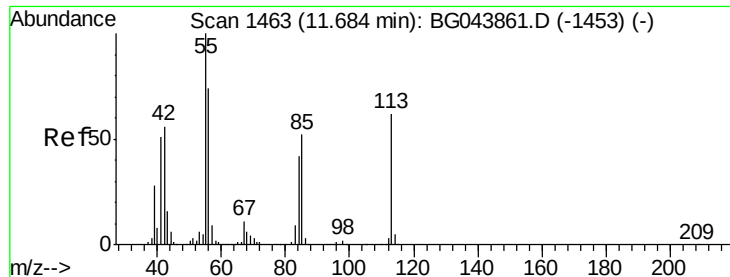
mohammad
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#34
Hexachlorobutadiene
Concen: 4.480 ng
RT: 11.12 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	52.2	78.4
227	72.7	52.1	78.1





#35

Caprolactam

Concen: 4.350 ng

RT: 11.65 min Scan# 1458

Delta R.T. -0.03 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

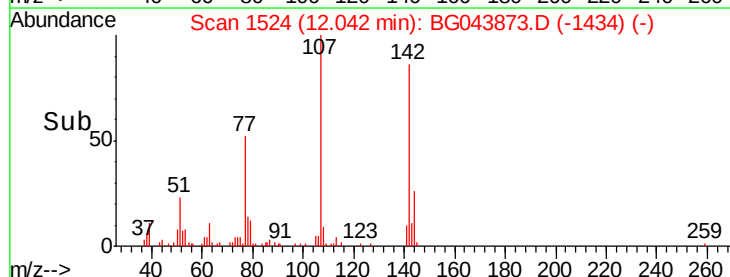
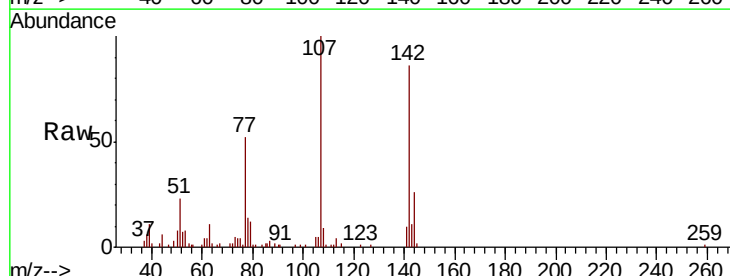
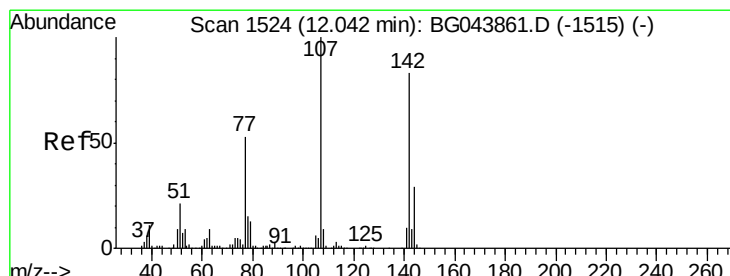
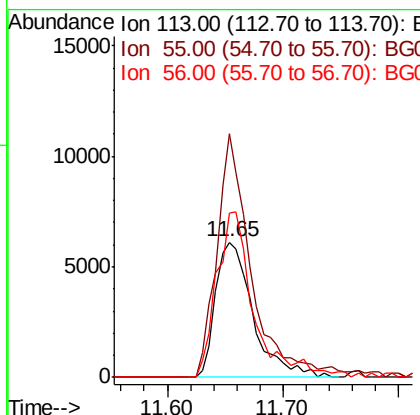
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
113	100		
55	180.1	142.5	182.5
56	121.2	101.4	141.4

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#36

4-Chloro-3-methylphenol

Concen: 4.568 ng

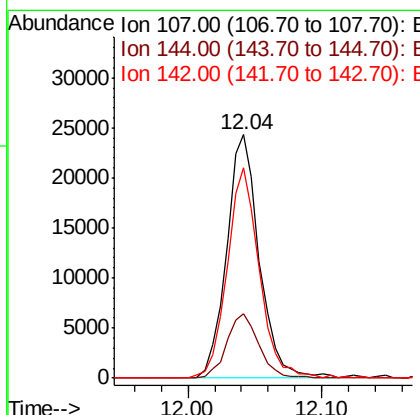
RT: 12.04 min Scan# 1524

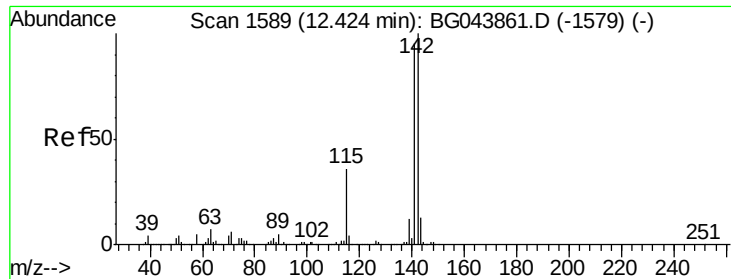
Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.5	23.4	35.2
142	86.3	66.3	99.5





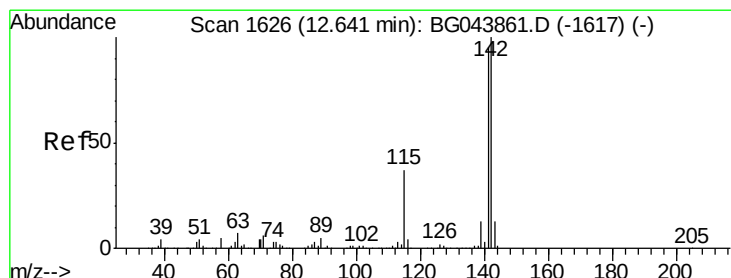
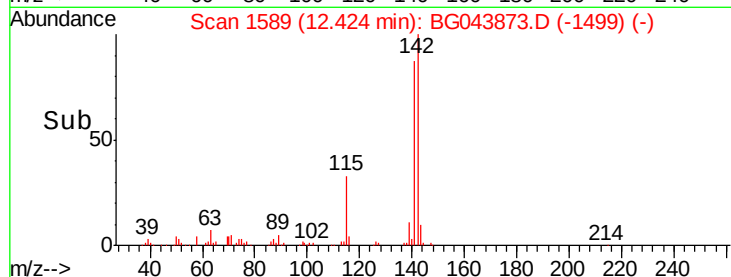
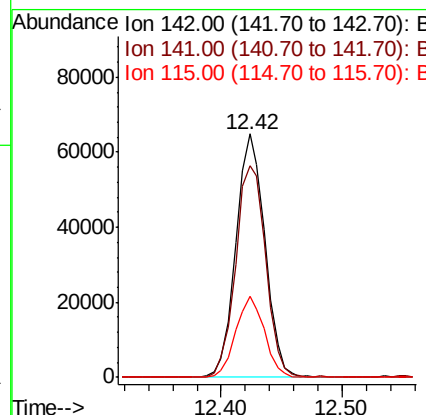
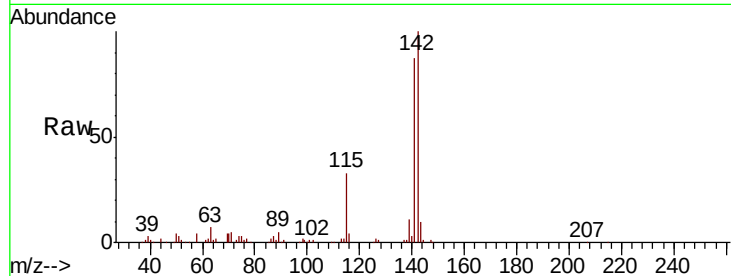
#37
2-Methylnaphthalene
Concen: 5.476 ng
RT: 12.42 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.1	75.8	113.8
115	33.3	28.6	42.8

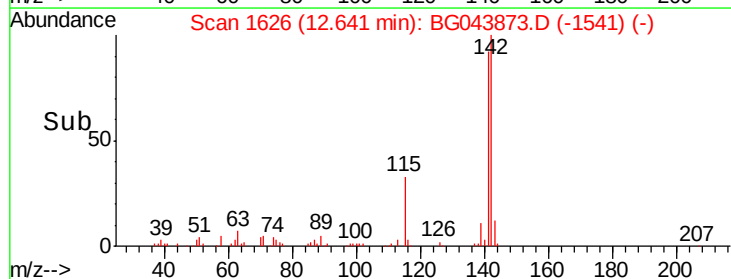
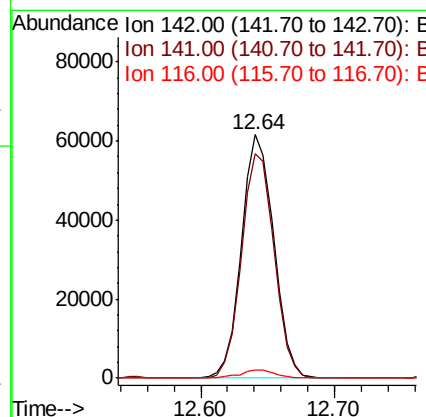
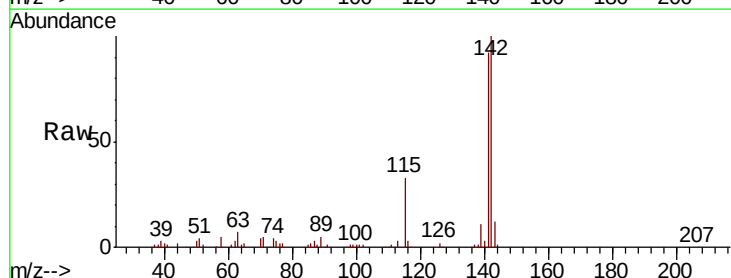
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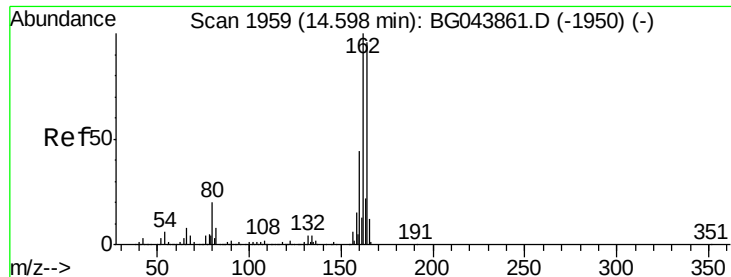
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#38
1-Methylnaphthalene
Concen: 5.499 ng
RT: 12.64 min Scan# 1626
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	76.0	114.0
116	3.2	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

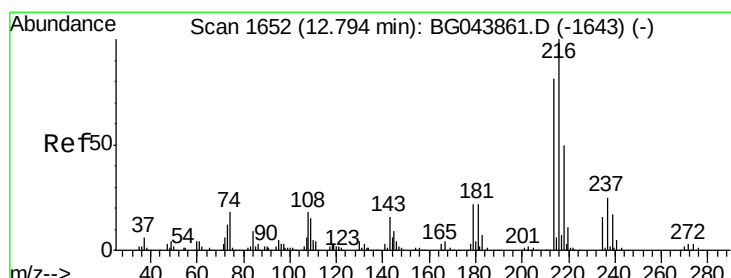
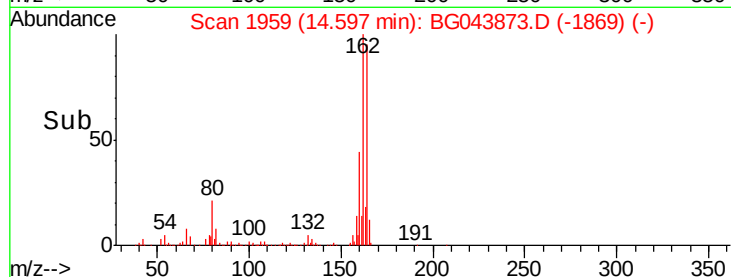
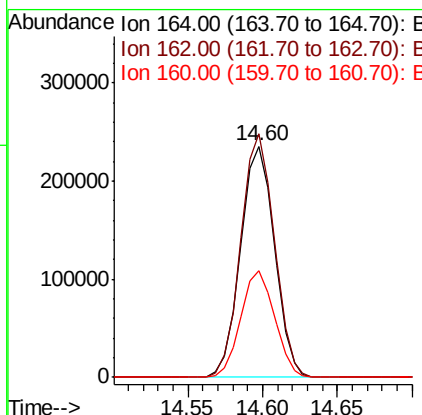
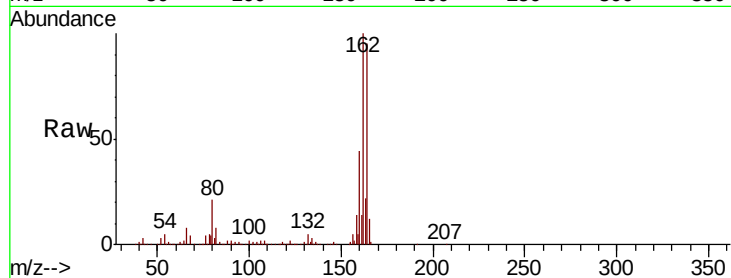
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	164	Resp:	369773
Ion Ratio	Lower	Upper	
164	100		
162	105.4	83.0	124.4
160	46.1	36.1	54.1

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.758 ng

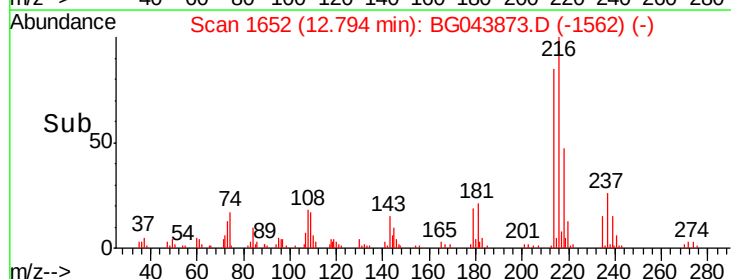
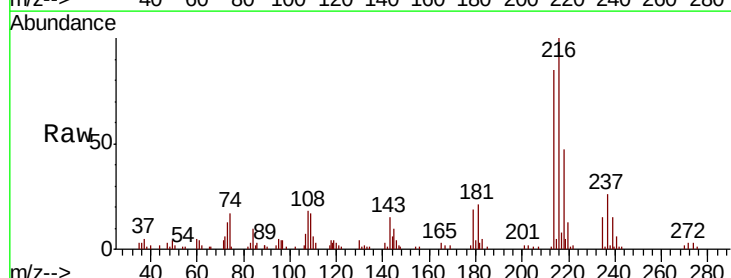
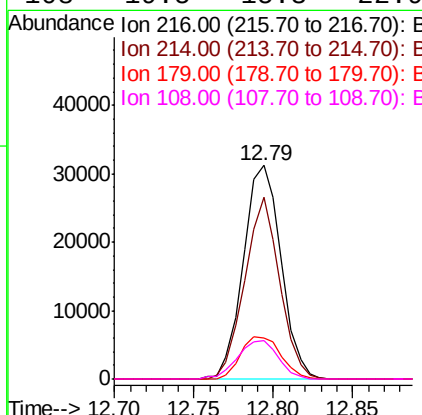
RT: 12.79 min Scan# 1652

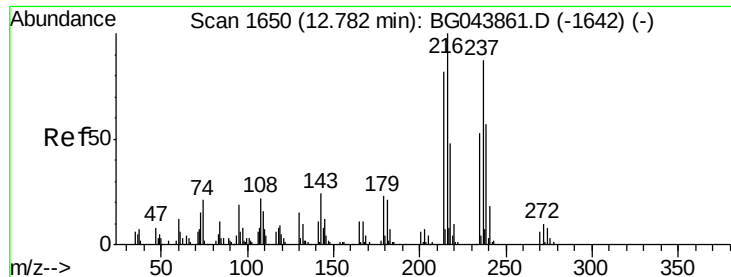
Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Tgt Ion:	216	Resp:	51568
Ion Ratio	Lower	Upper	
216	100		
214	78.7	63.8	95.8
179	21.3	17.3	25.9
108	19.5	15.3	22.9





#41

Hexachlorocyclopentadiene

Concen: 4.234 ng

RT: 12.78 min Scan# 1650

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

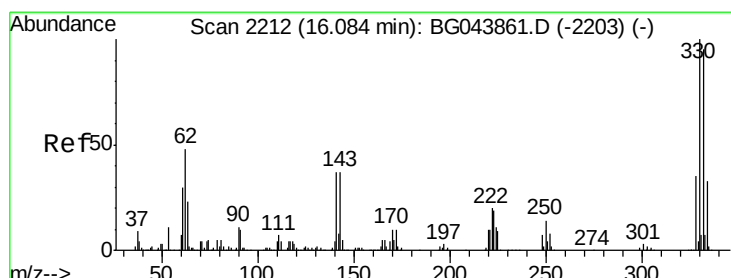
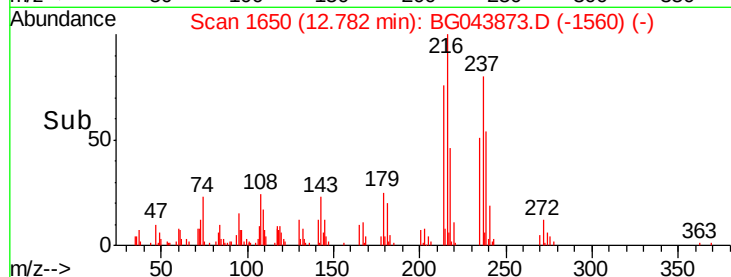
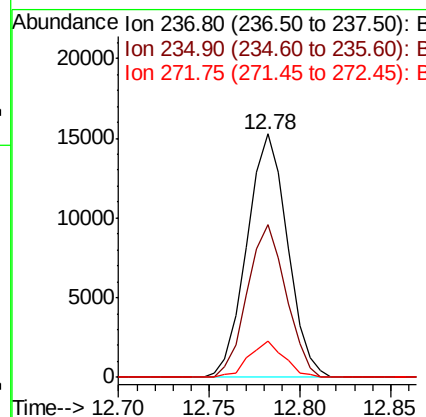
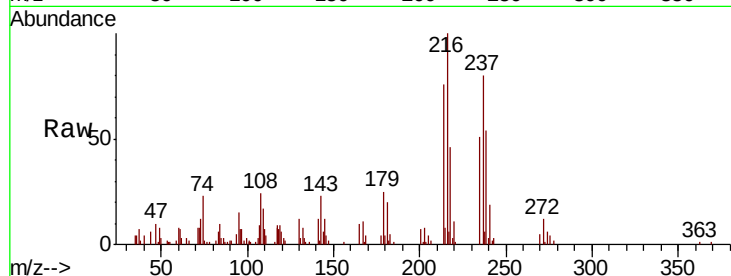
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	237	Resp:	23790
Ion Ratio	Lower	Upper	
237	100		
235	62.9	41.1	81.1
272	15.0	0.0	31.7

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#42

2,4,6-Tribromophenol

Concen: 144.685 ng

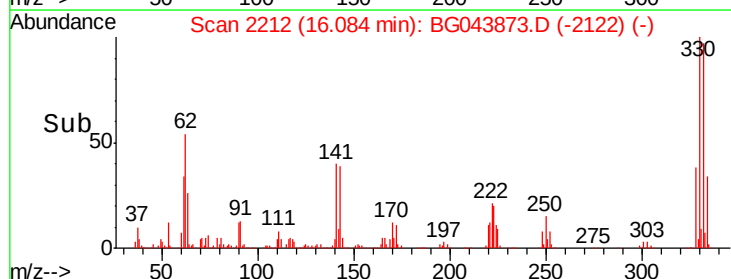
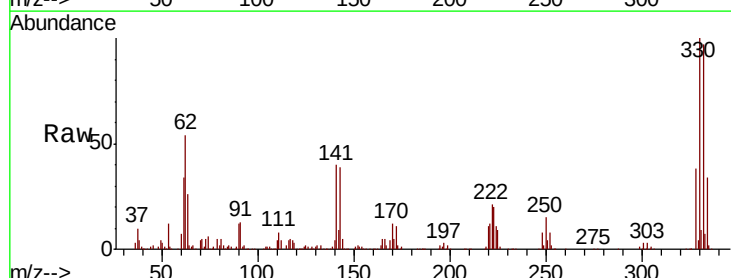
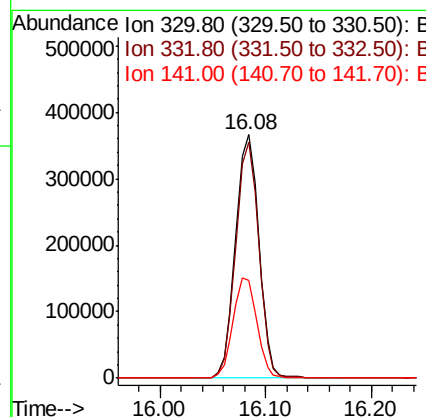
RT: 16.08 min Scan# 2212

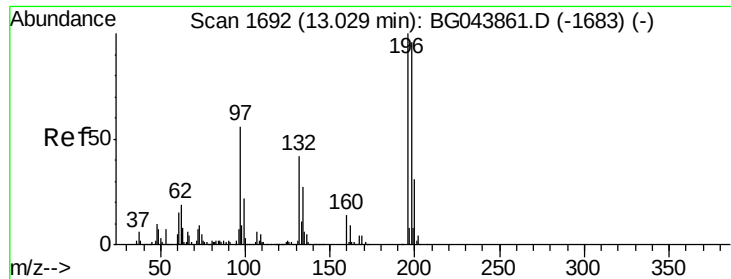
Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Tgt Ion:	330	Resp:	559872
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.2	115.8
141	42.2	33.1	49.7





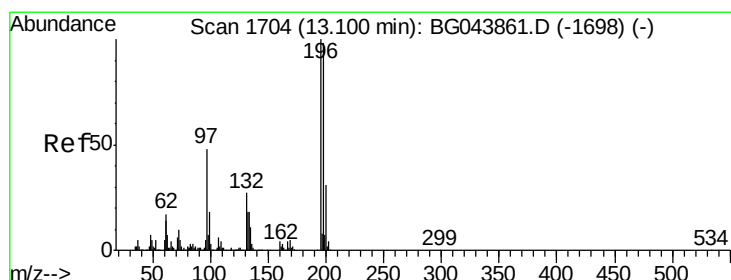
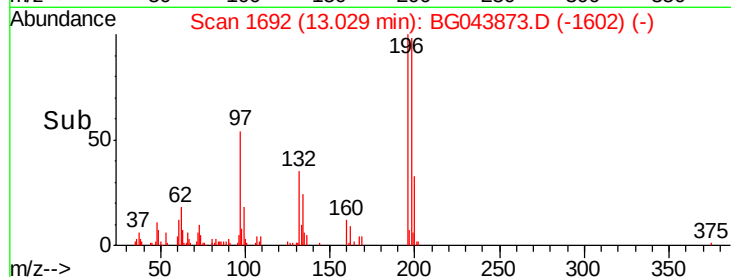
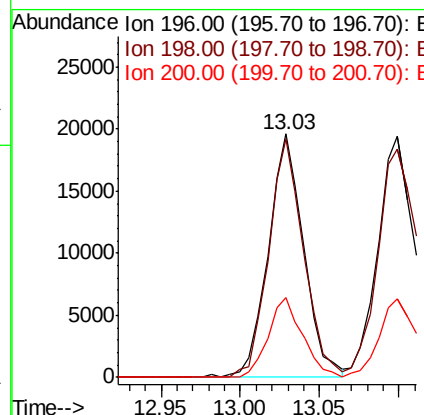
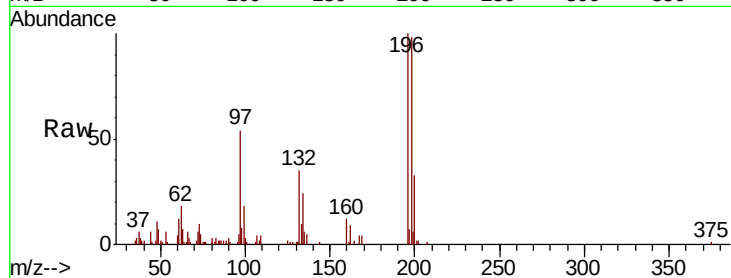
#43
 2,4,6-Trichlorophenol
 Concen: 4.087 ng
 RT: 13.03 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: BG043873.D
 Acq: 2 Jan 2020 13:42

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
196	100		
198	98.1	76.6	115.0
200	32.9	24.6	37.0

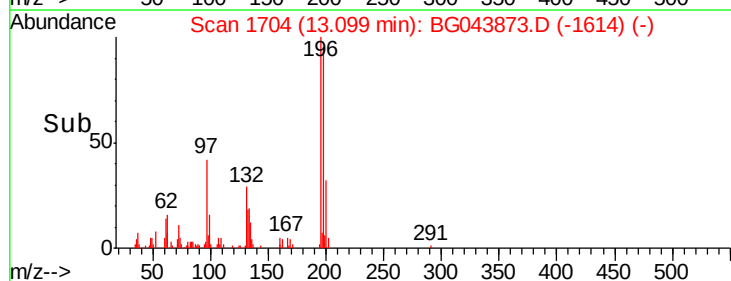
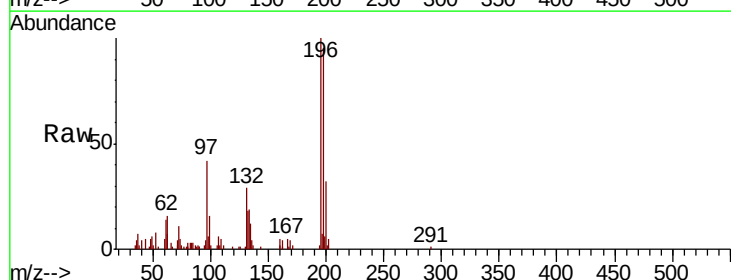
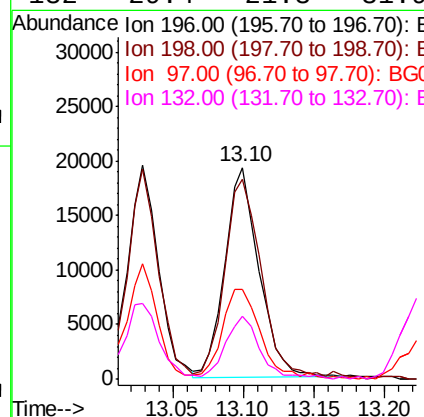
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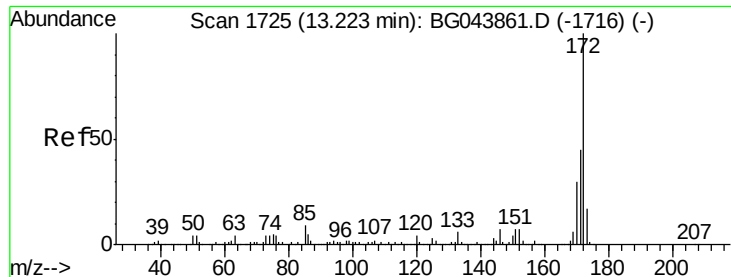
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#44
 2,4,5-Trichlorophenol
 Concen: 4.255 ng
 RT: 13.10 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: BG043873.D
 Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.6	78.3	117.5
97	42.4	38.8	58.2
132	29.4	21.3	31.9





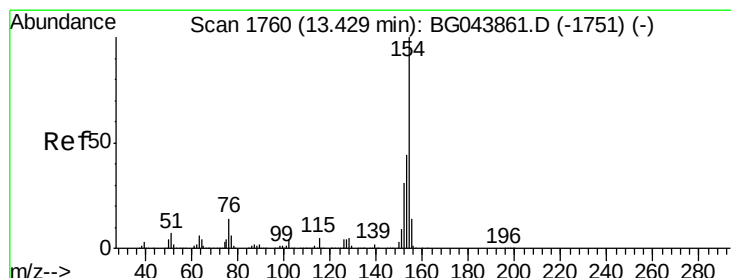
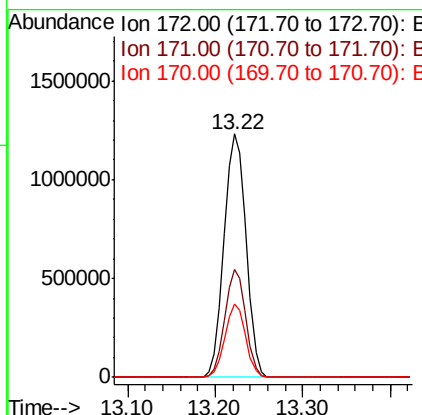
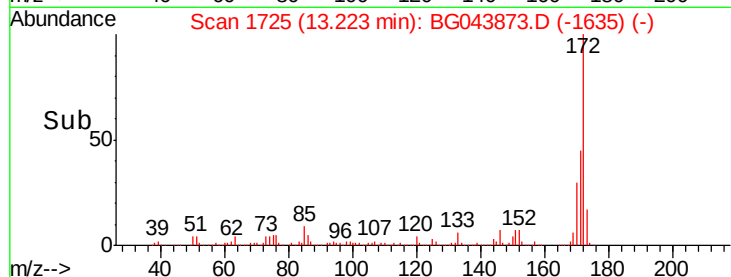
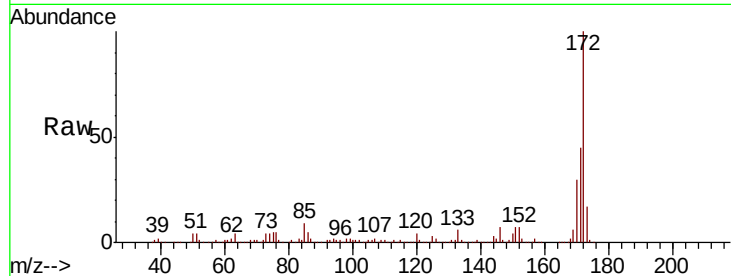
#45
2-Fluorobiphenyl
Concen: 104.289 ng
RT: 13.22 min Scan# 1725
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	44.6	35.8	53.8
170	29.9	24.2	36.4

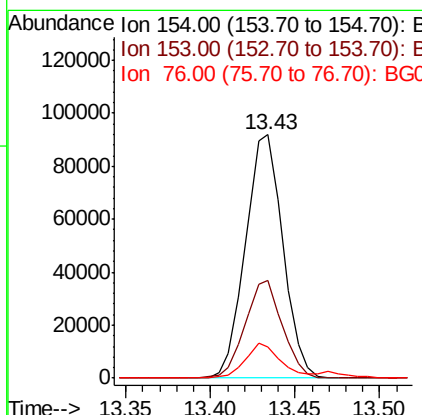
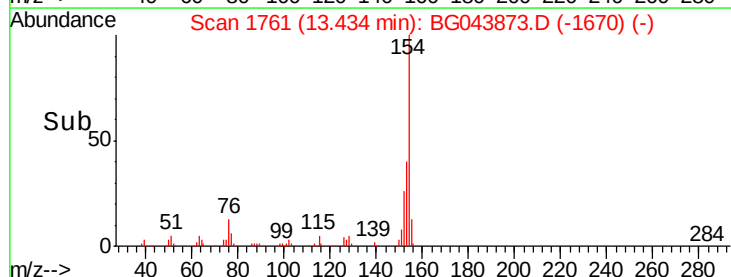
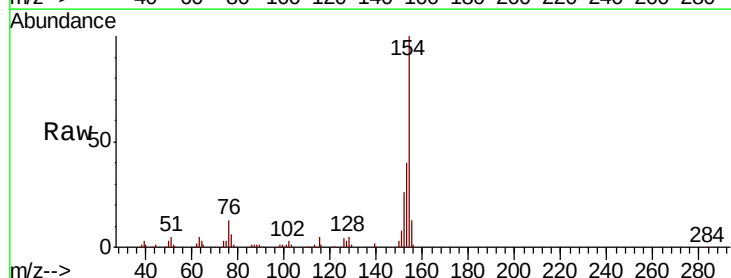
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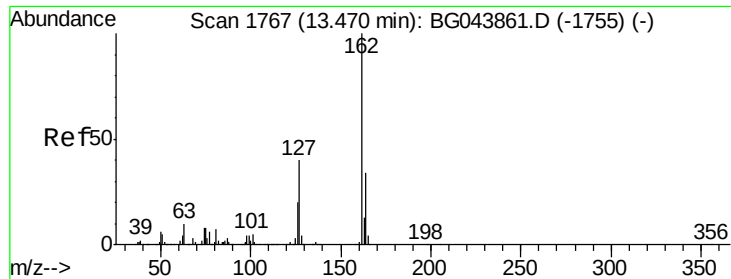
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#46
1,1'-Biphenyl
Concen: 5.345 ng
RT: 13.43 min Scan# 1761
Delta R.T. 0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.4	23.6	63.6
76	13.0	0.0	34.4





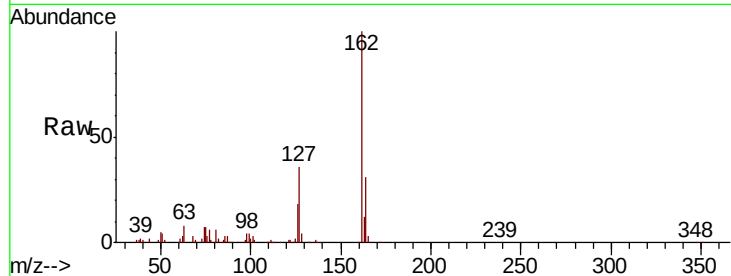
#47
2-Chloronaphthalene
Concen: 4.835 ng
RT: 13.48 min Scan# 1768
Delta R.T. 0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

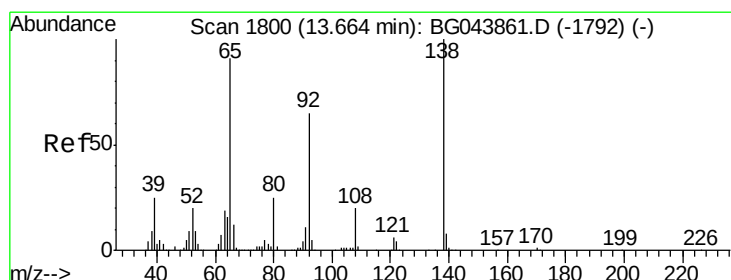
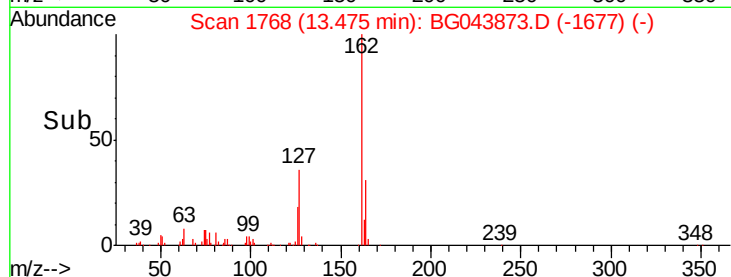
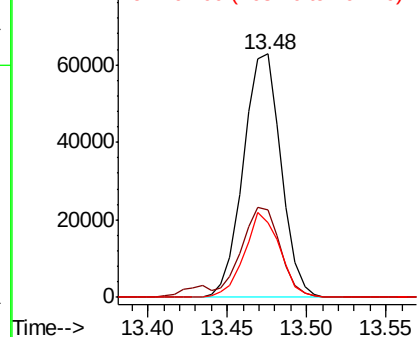
Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	35.8	32.1	48.1	
164	30.7	27.5	41.3	

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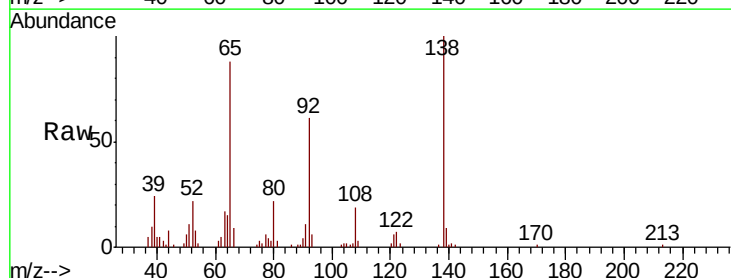


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

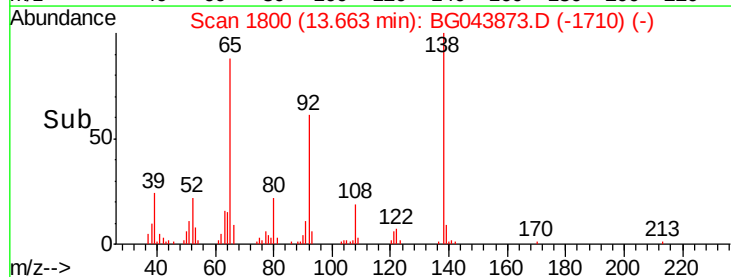
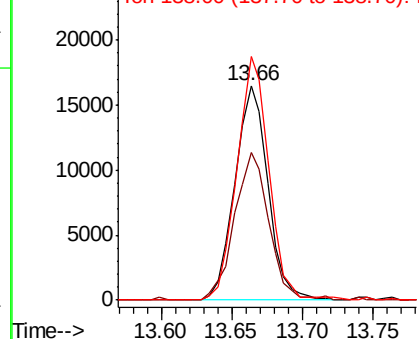


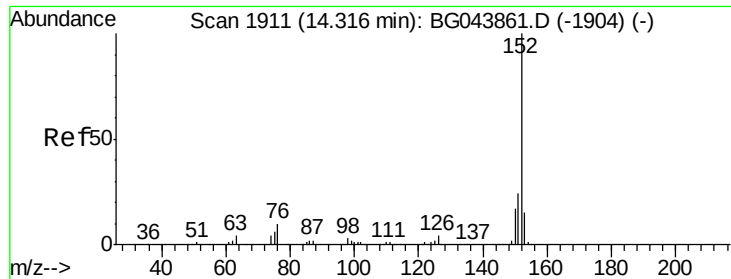
#48
2-Nitroaniline
Concen: 3.898 ng
RT: 13.66 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	69.0	57.4	86.2	
138	113.5	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





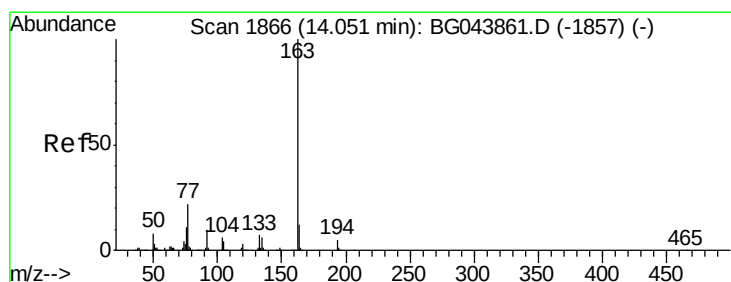
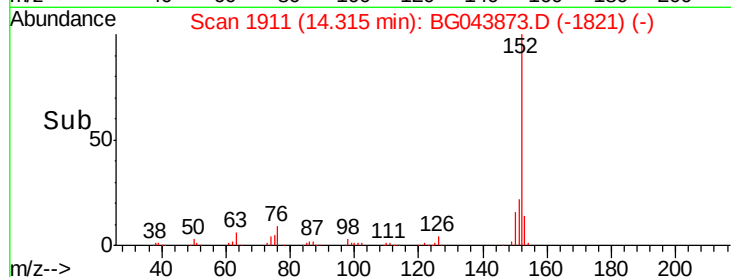
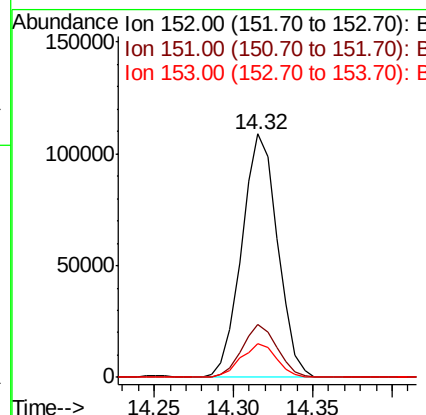
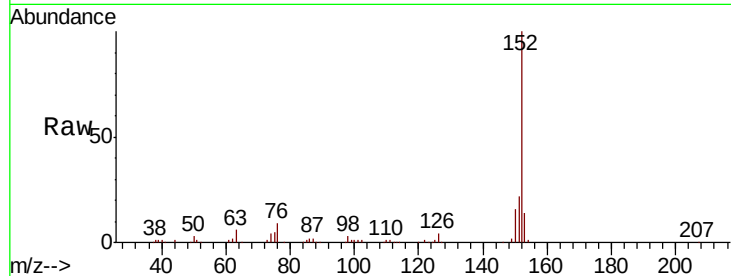
#49
Acenaphthylene
Concen: 5.561 ng
RT: 14.32 min Scan# 1911
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.7	19.4	29.2
153	13.8	12.0	18.0

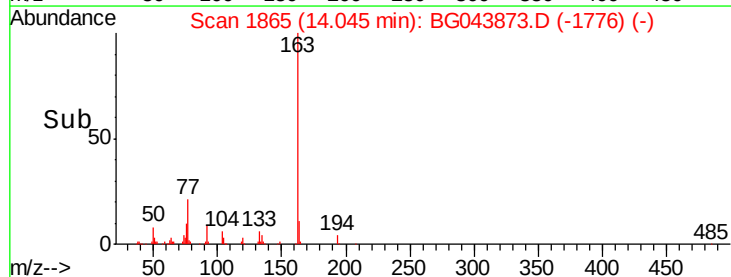
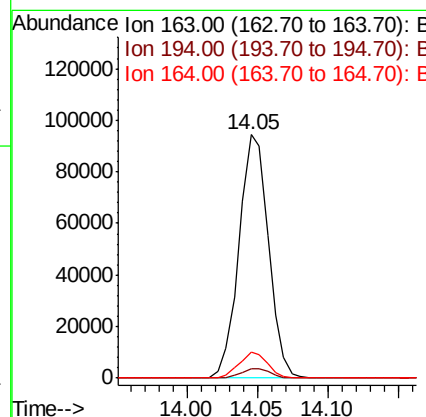
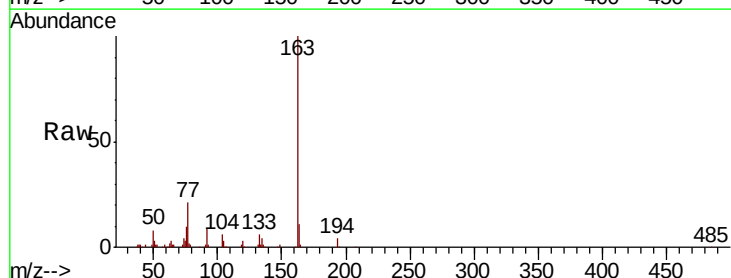
Manual Integrations
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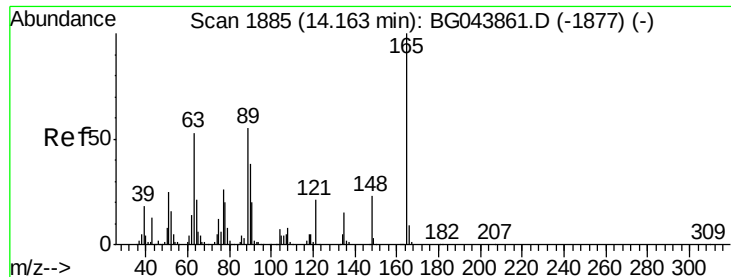
mohammad
1/3/2020 11:05:05 AM



#50
Dimethylphthalate
Concen: 5.233 ng
RT: 14.05 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.7	5.5
164	10.5	9.3	13.9





#51

2,6-Dinitrotoluene

Concen: 4.454 ng

RT: 14.16 min Scan# 1884

Delta R.T. -0.01 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

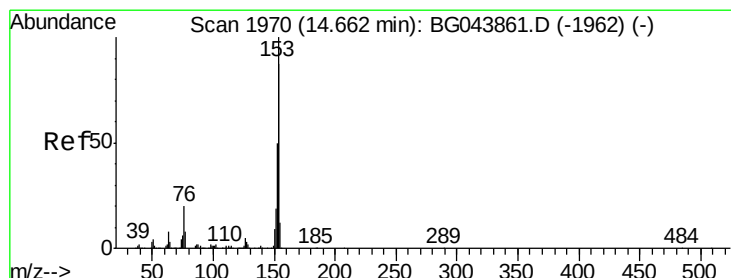
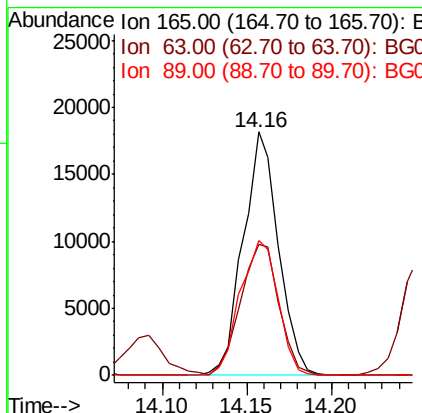
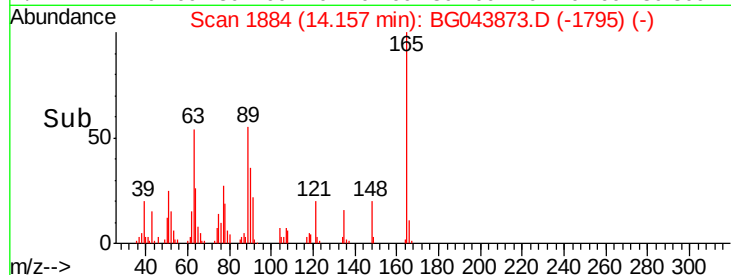
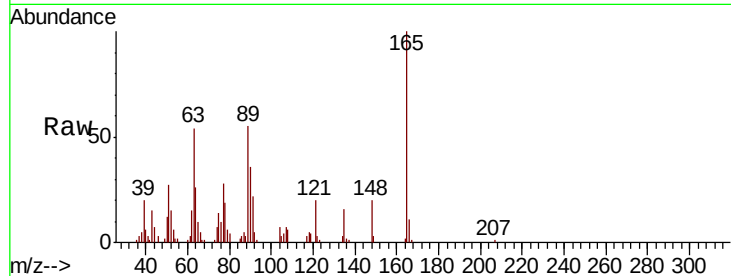
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	165	Resp:	26432
Ion Ratio	Lower	Upper	
165	100		
63	54.0	43.1	64.7
89	55.4	43.8	65.6

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#52

Acenaphthene

Concen: 4.922 ng

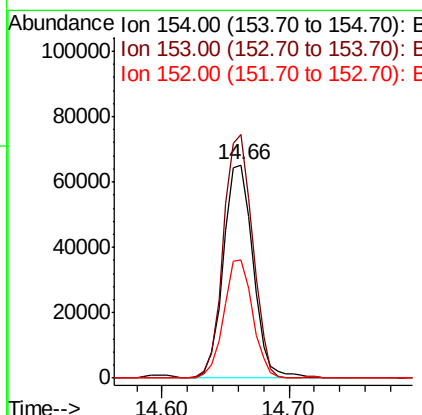
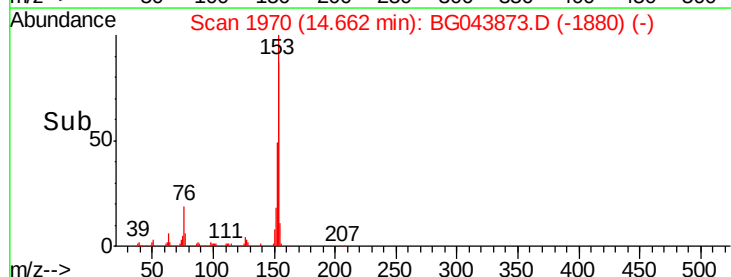
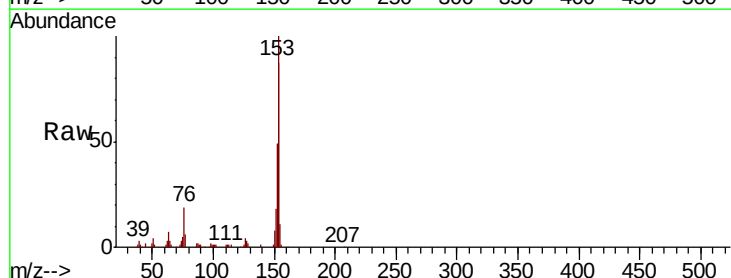
RT: 14.66 min Scan# 1970

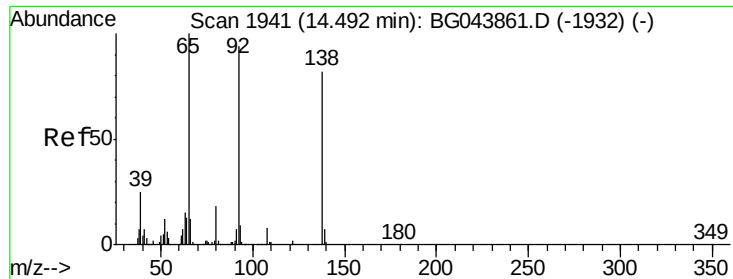
Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Tgt Ion:	154	Resp:	106284
Ion Ratio	Lower	Upper	
154	100		
153	114.4	91.6	137.4
152	55.7	45.4	68.0





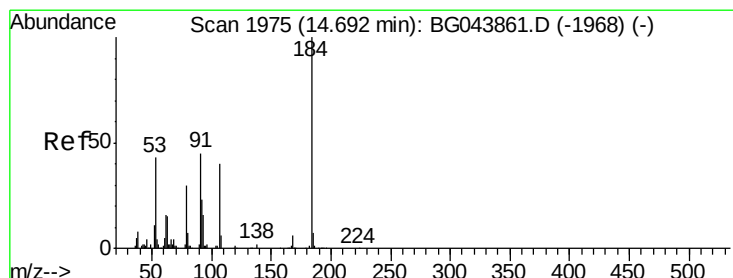
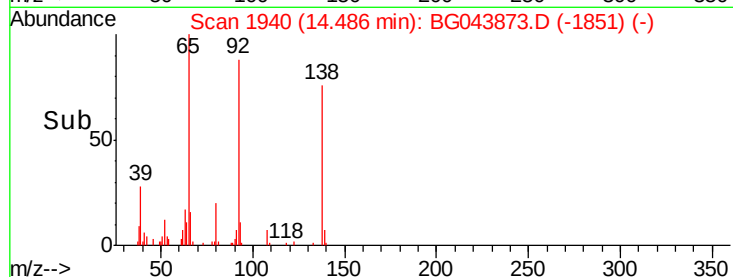
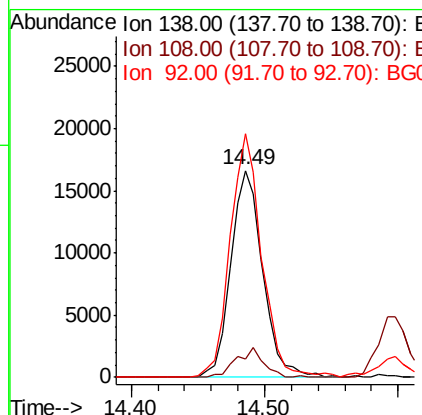
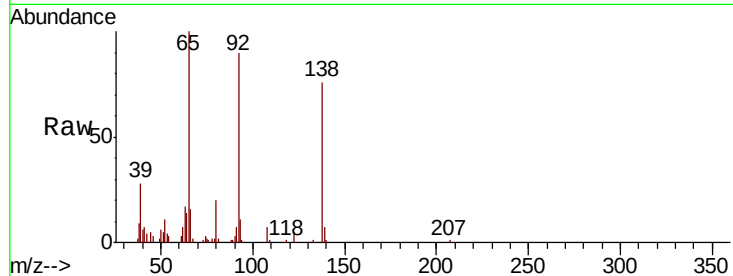
#53
3-Nitroaniline
Concen: 4.103 ng
RT: 14.49 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.0	7.4	11.2
92	117.8	92.1	138.1

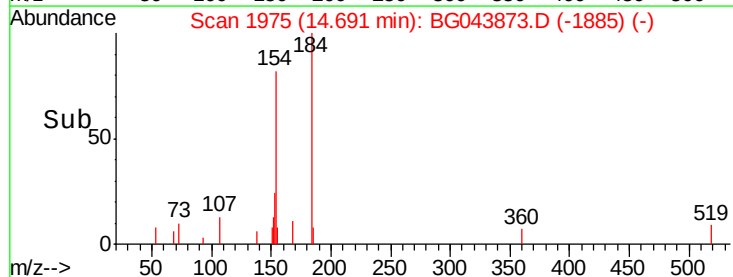
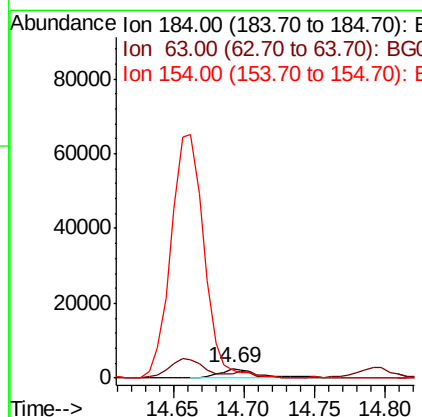
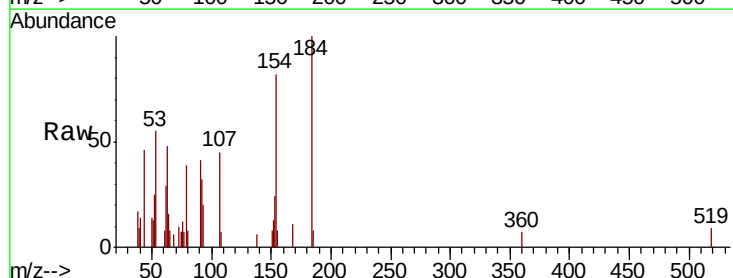
Manual Integrations
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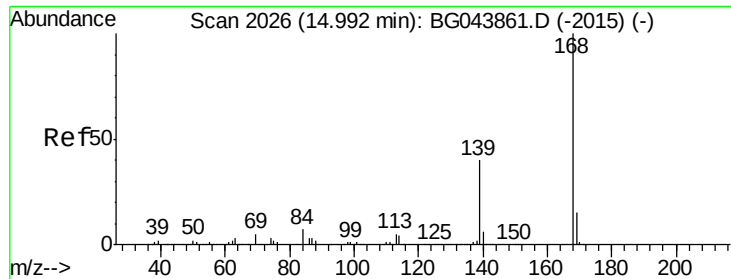
mohammad
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#54
2,4-Dinitrophenol
Concen: 1.790 ng
RT: 14.69 min Scan# 1975
Delta R.T. 0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
184	100		
63	48.1	46.6	70.0
154	81.8	50.2	75.4





#55

Dibenzofuran

Concen: 5.816 ng

RT: 14.99 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

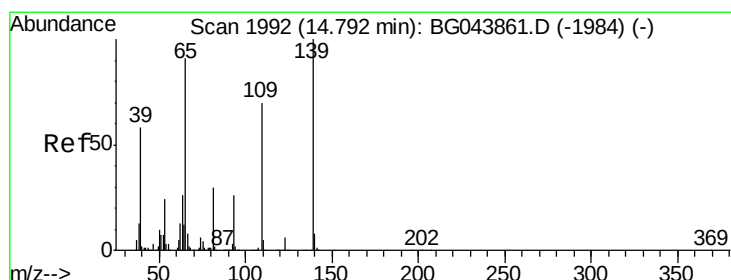
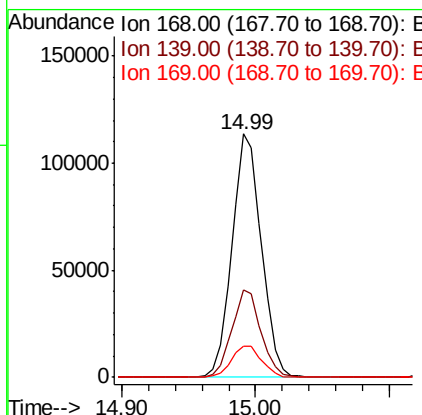
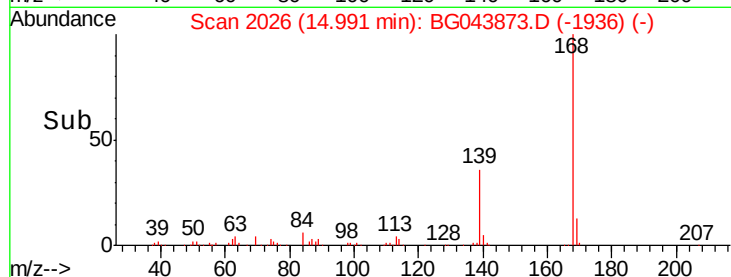
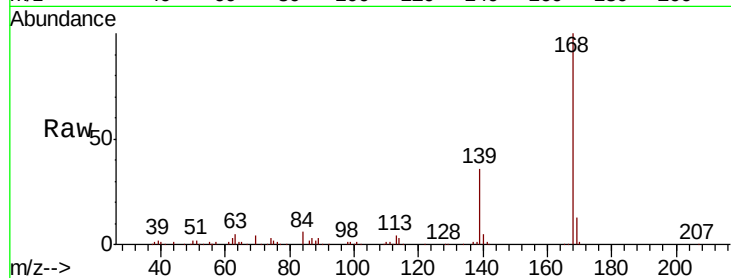
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	168	Resp:	172904
Ion Ratio	Lower	Upper	
168	100		
139	35.8	32.2	48.2
169	12.7	12.2	18.2

Manual Integrations
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#56

4-Nitrophenol

Concen: 3.434 ng

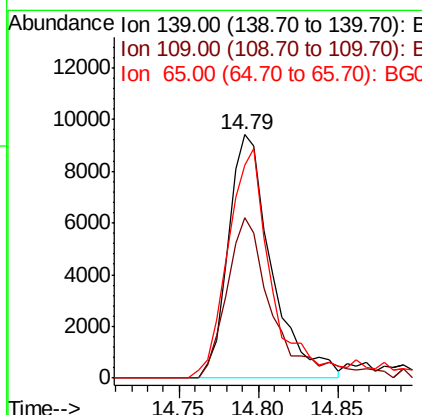
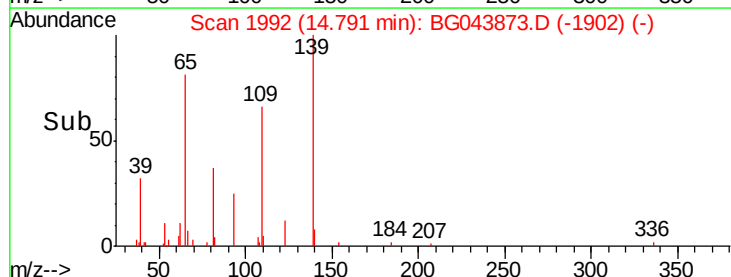
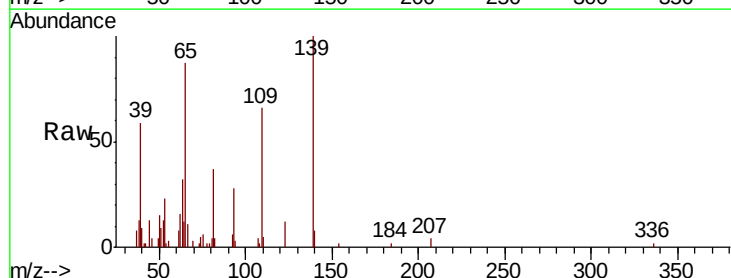
RT: 14.79 min Scan# 1992

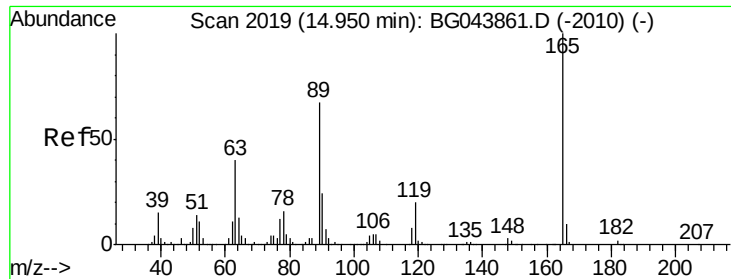
Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Tgt Ion:	139	Resp:	17731
Ion Ratio	Lower	Upper	
139	100		
109	65.8	50.4	90.4
65	87.2	71.4	111.4





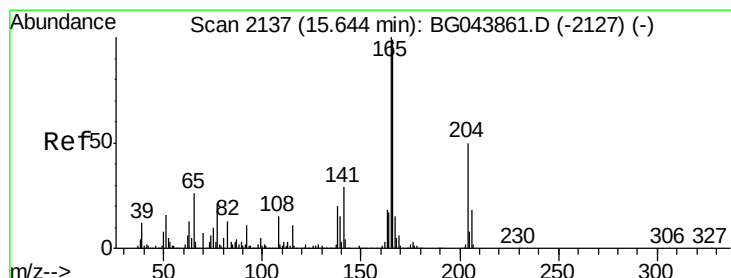
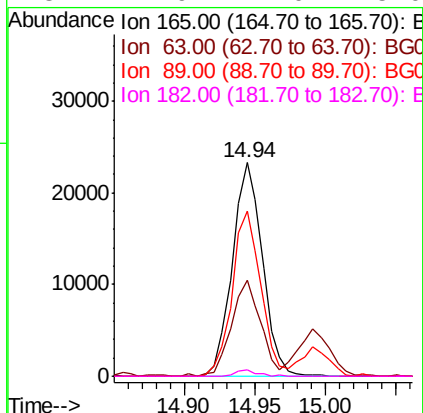
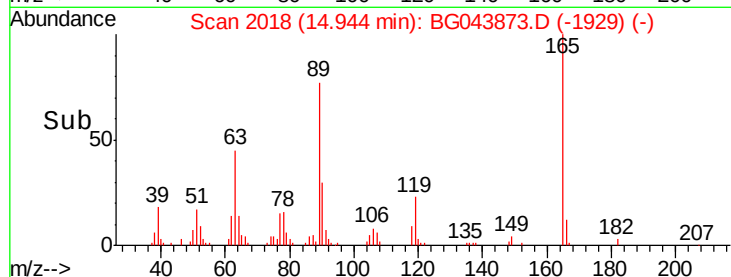
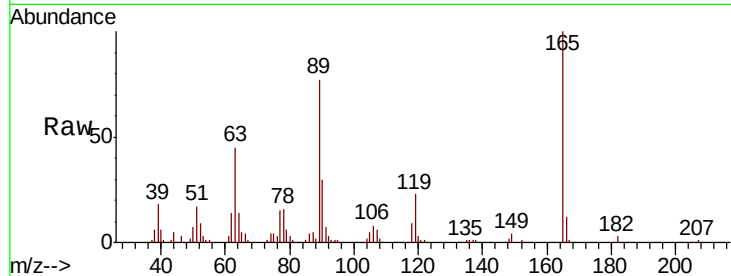
#57
2,4-Dinitrotoluene
Concen: 4.275 ng
RT: 14.94 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
165	100		
63	44.7	31.9	47.9
89	77.2	53.8	80.6
182	2.9	2.0	3.0

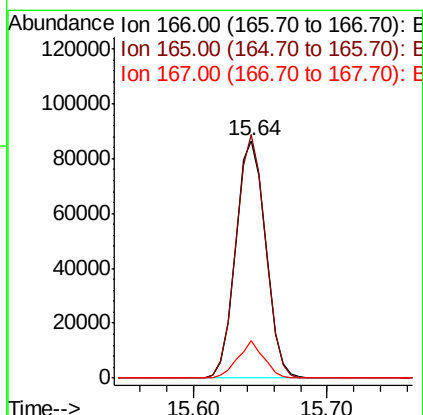
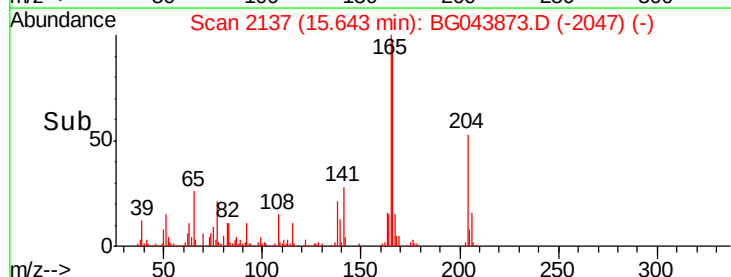
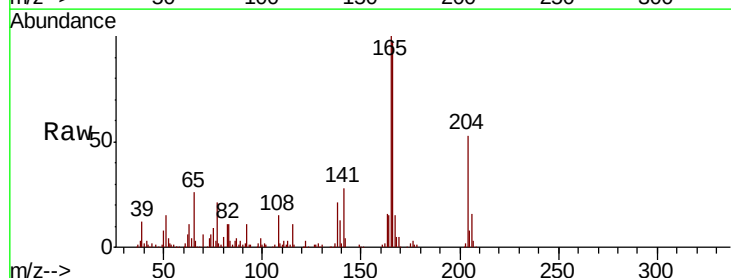
Manual Integrations
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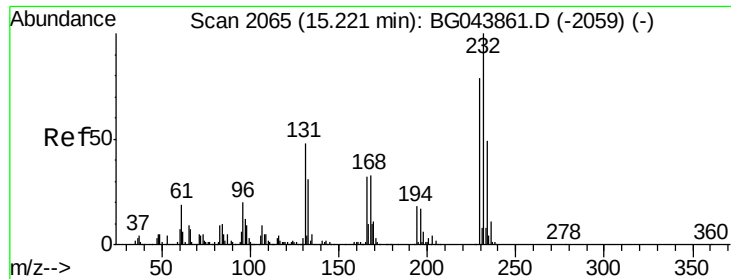
mohammad
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#58
Fluorene
Concen: 5.729 ng
RT: 15.64 min Scan# 2137
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.6	80.8	121.2
167	15.7	12.1	18.1





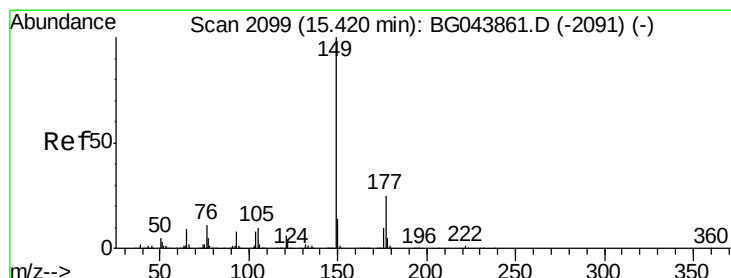
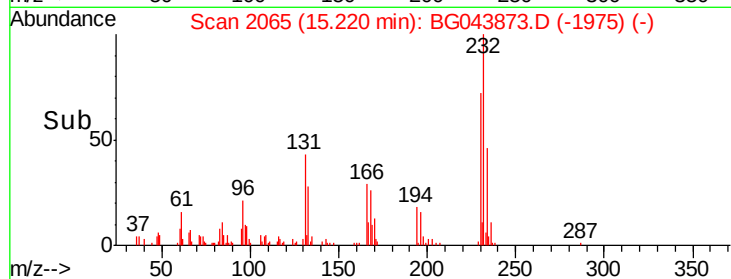
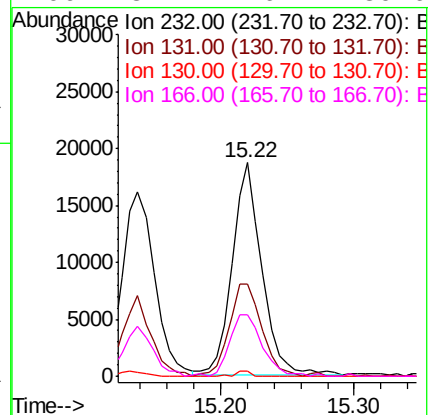
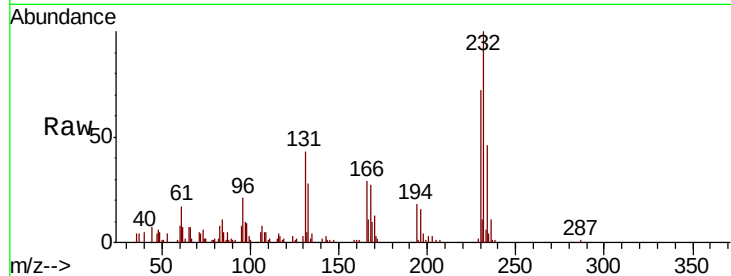
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.383 ng
RT: 15.22 min Scan# 2065
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
232	100	28990		
131	48.0		38.2	57.2
130	1.3		2.2	3.2
166	32.2		26.4	39.6

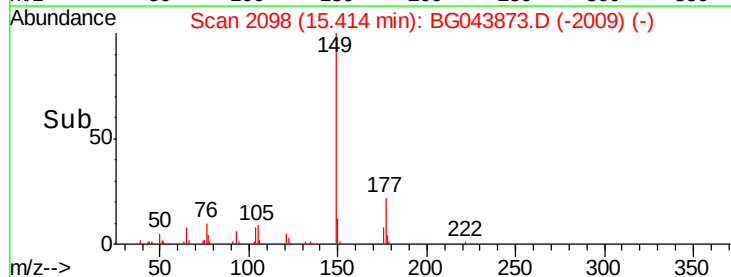
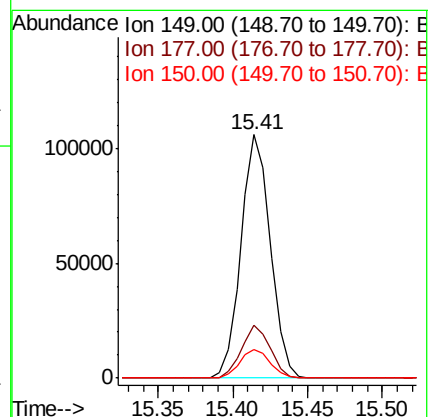
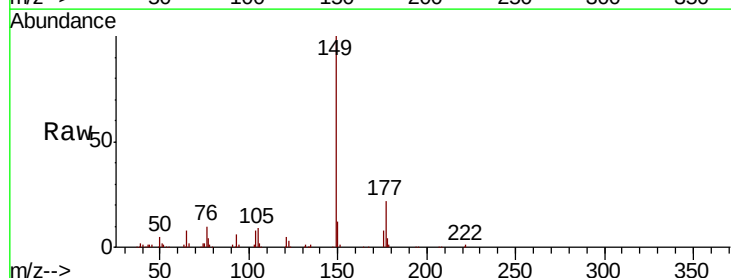
Manual Integrations
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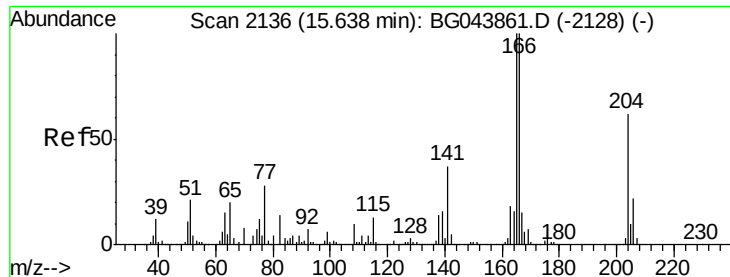
mohammad
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#60
Diethylphthalate
Concen: 5.512 ng
RT: 15.41 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	144751		
177	21.6		20.0	30.0
150	12.0		11.1	16.7





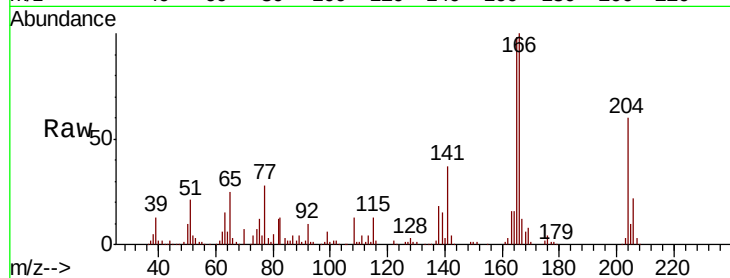
#61
4-Chlorophenyl-phenylether
Concen: 5.318 ng
RT: 15.64 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
204	100		
206	35.9	28.2	42.2
141	61.2	48.2	72.2

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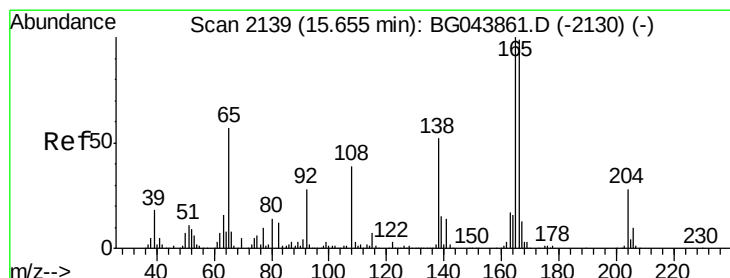
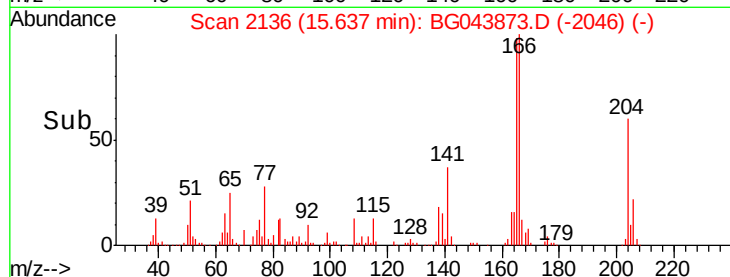
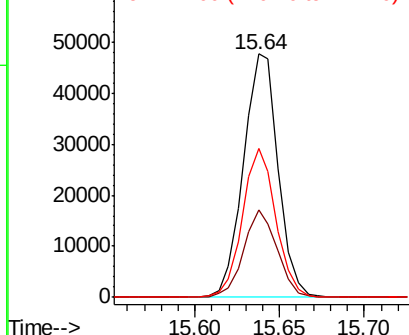


Abundance

Ion 204.00 (203.70 to 204.70): E

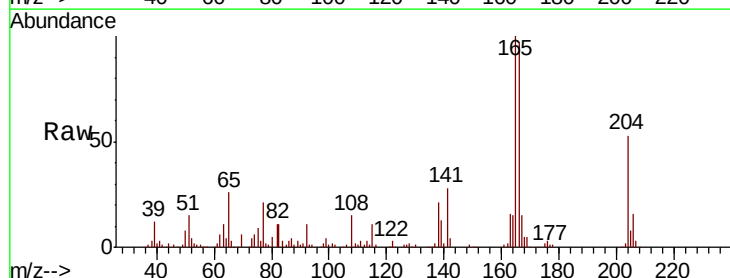
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 4.354 ng
RT: 15.64 min Scan# 2137
Delta R.T. -0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.4	34.3	74.3
108	71.0	55.0	95.0

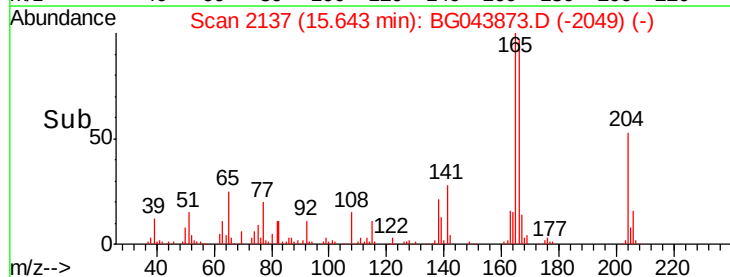
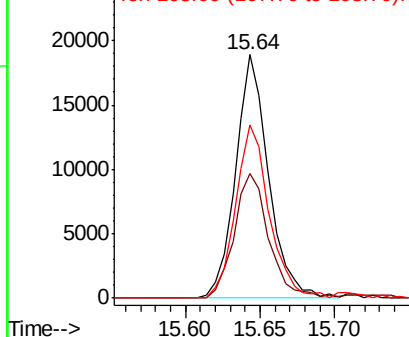


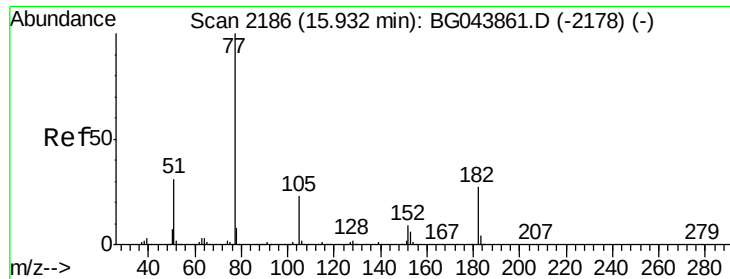
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





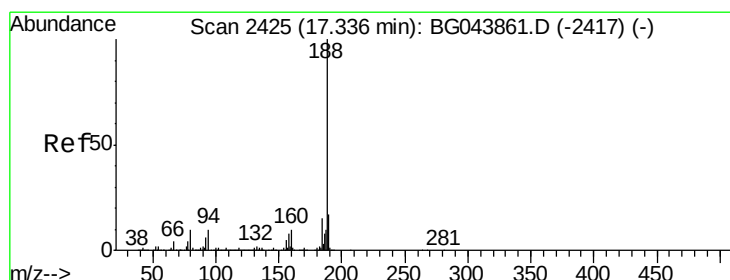
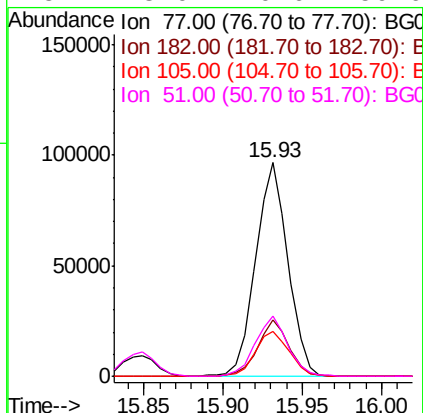
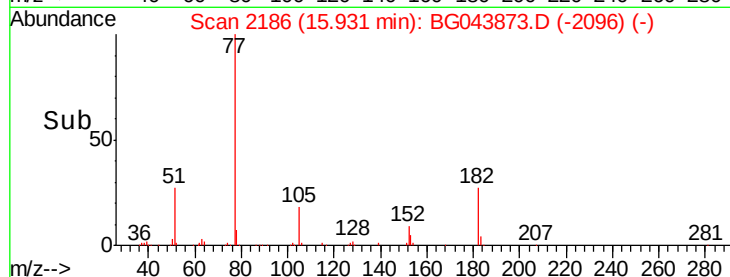
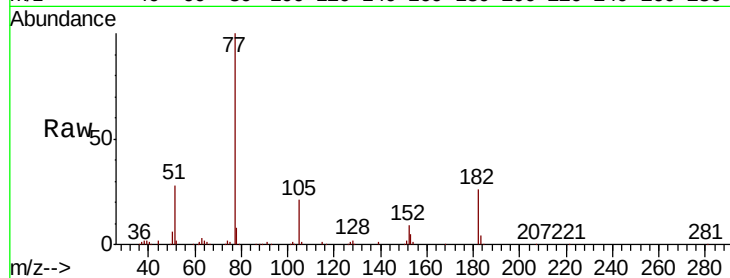
#63
Azobenzene
Concen: 5.622 ng
RT: 15.93 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
77	100		
182	26.2	7.3	47.3
105	20.8	3.2	43.2
51	28.0	10.6	50.6

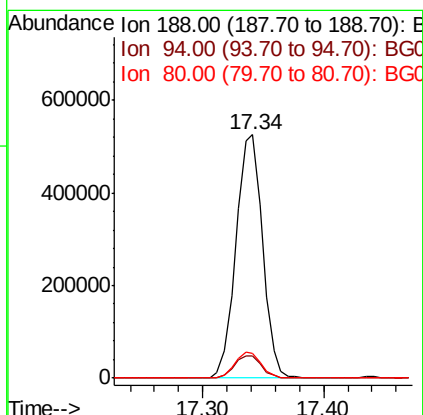
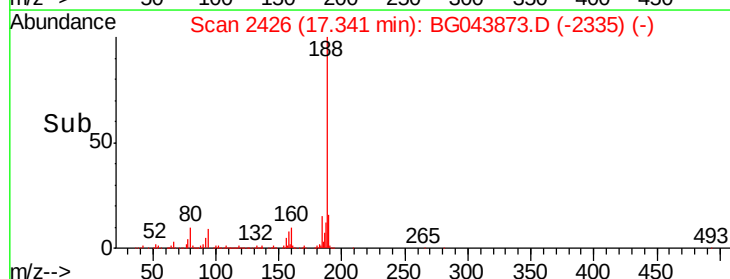
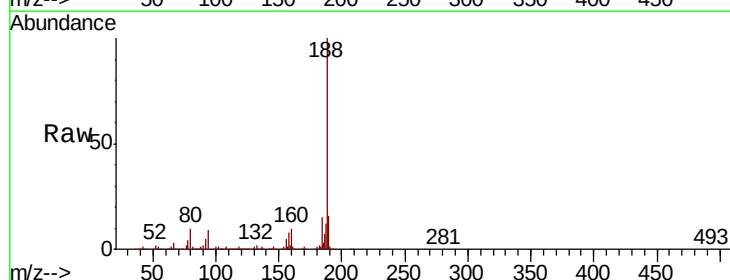
Manual Integrations
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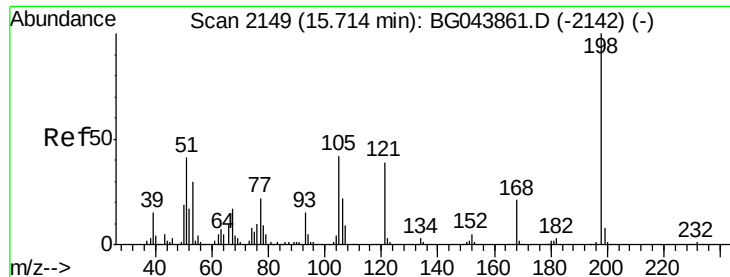
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2426
Delta R.T. 0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.9	11.9
80	10.4	8.2	12.4





#65

4,6-Dinitro-2-methylphenol

Concen: 2.759 ng

RT: 15.71 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:198 Resp: 10830

Ion Ratio Lower Upper

198 100

51 47.3 22.5 62.5

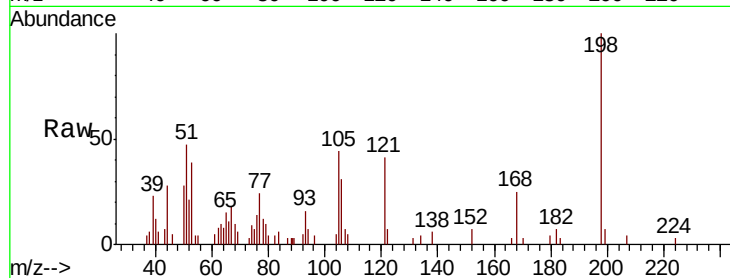
105 43.9 22.3 62.3

Manual Integrations

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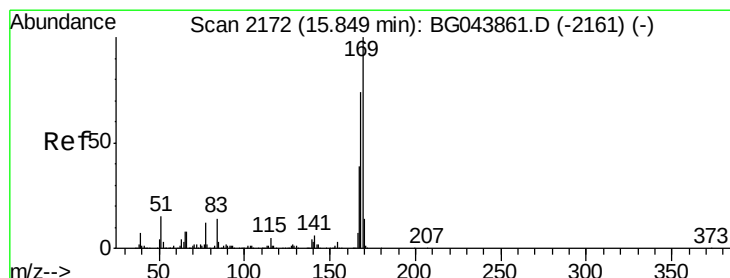
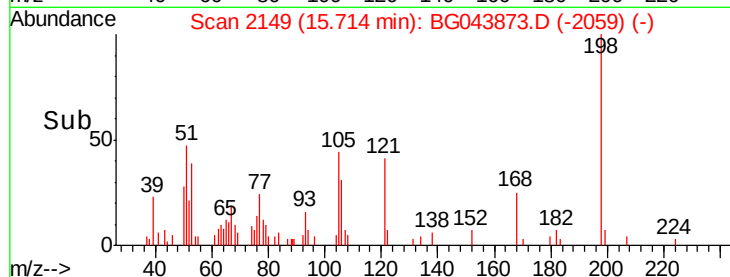
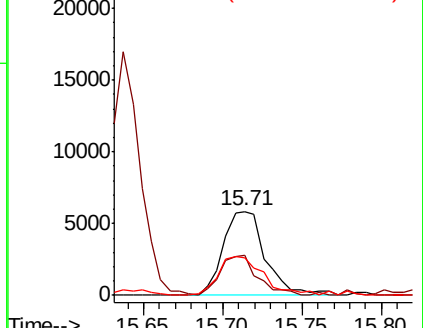
1/3/2020 11:05:05 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG043873.D (-2059) (-)

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 5.055 ng

RT: 15.85 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

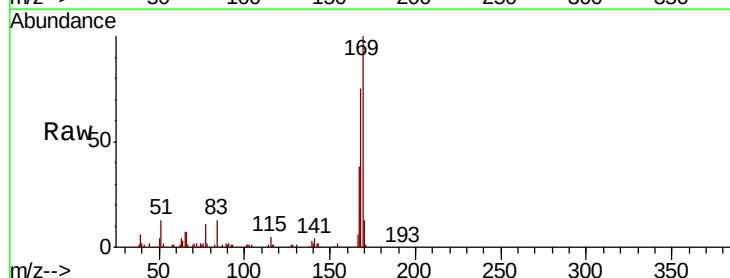
Tgt Ion:169 Resp: 120159

Ion Ratio Lower Upper

169 100

168 74.6 59.0 88.6

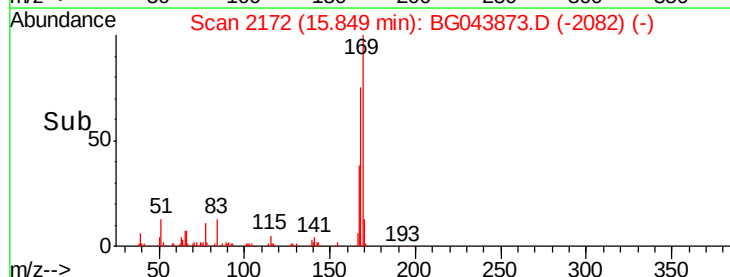
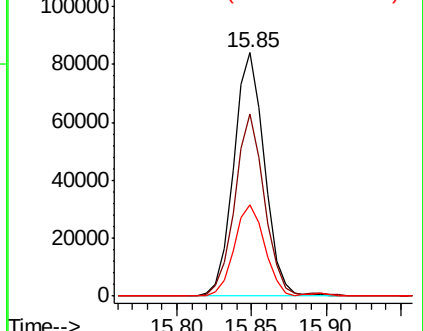
167 37.6 31.4 47.0

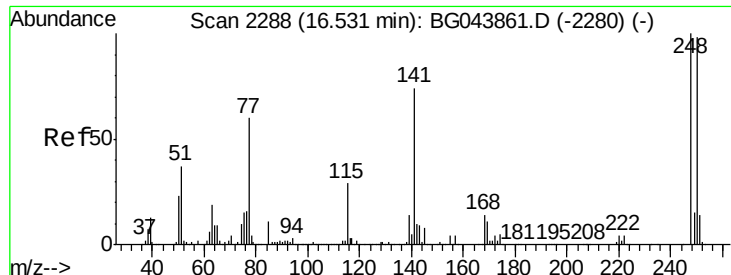


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.455 ng

RT: 16.53 min Scan# 2288

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

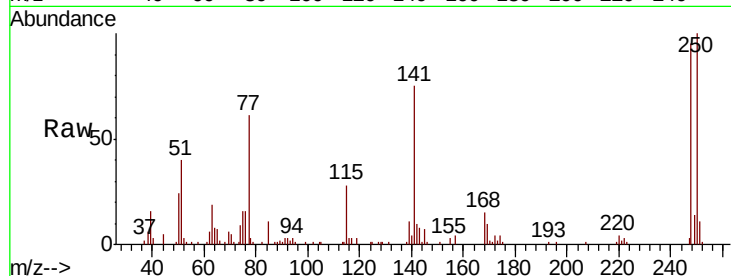
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:	248	Resp:	40447
Ion Ratio	Lower	Upper	
248	100		
250	105.3	78.2	117.2
141	78.9	59.3	88.9

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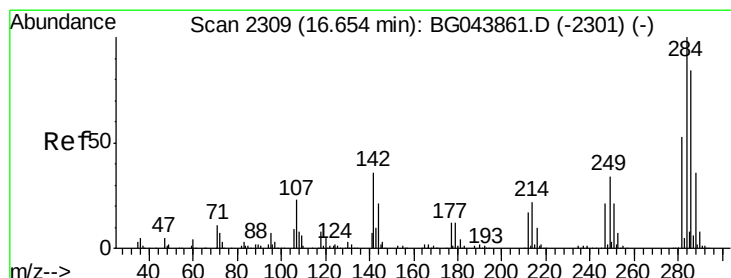
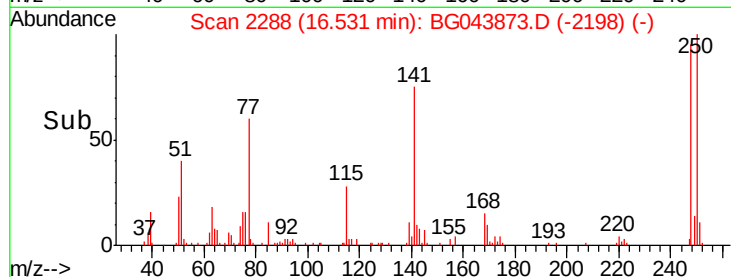
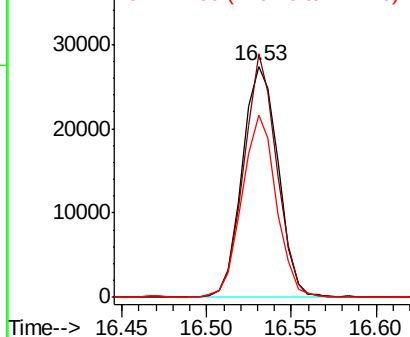


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 4.589 ng

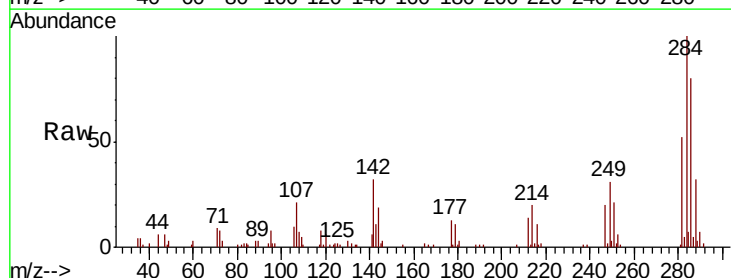
RT: 16.65 min Scan# 2309

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Tgt Ion:	284	Resp:	44887
Ion Ratio	Lower	Upper	
284	100		
142	31.6	28.6	43.0
249	30.9	27.0	40.6

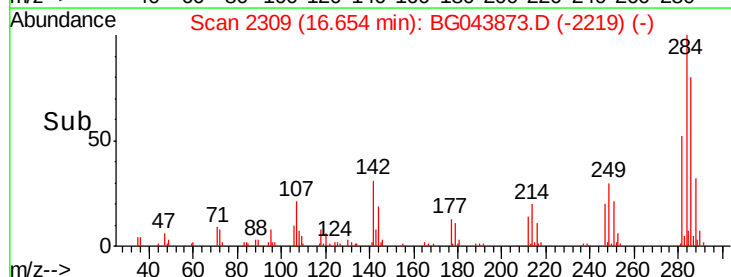
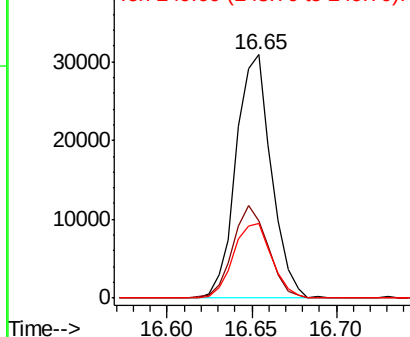


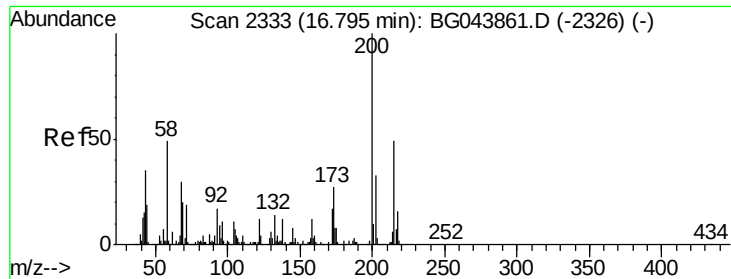
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





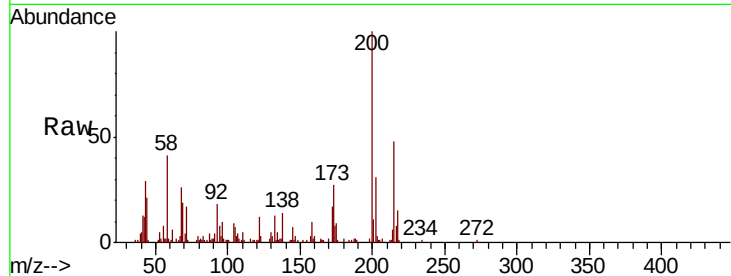
#69
Atrazine
Concen: 4.731 ng
RT: 16.79 min Scan# 2333
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.4	6.6	46.6
215	48.3	28.6	68.6

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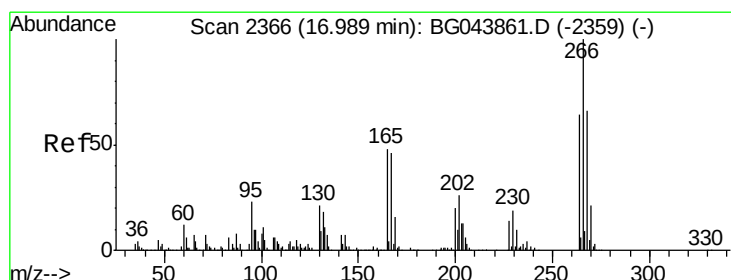
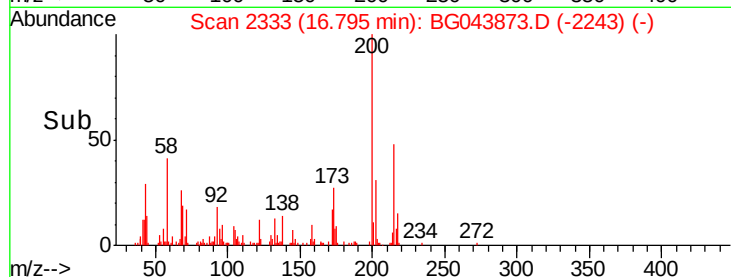
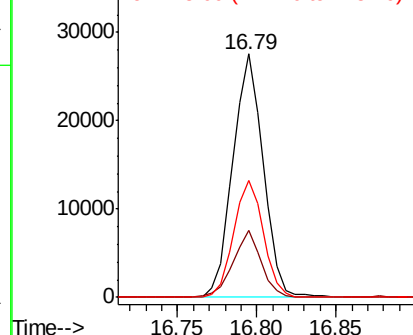


Abundance

Ion 200.00 (199.70 to 200.70): E

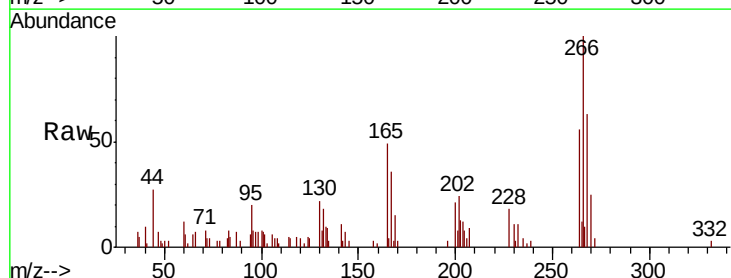
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 2.431 ng
RT: 16.99 min Scan# 2366
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.7	52.6	79.0
264	56.5	50.8	76.2

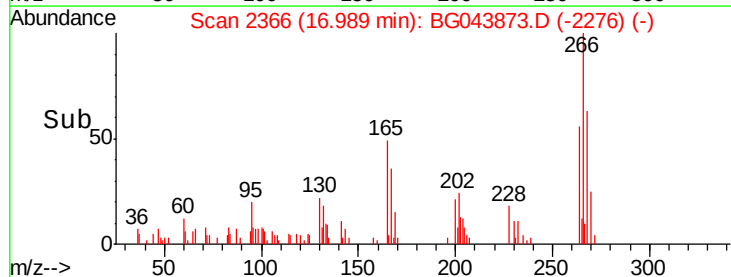
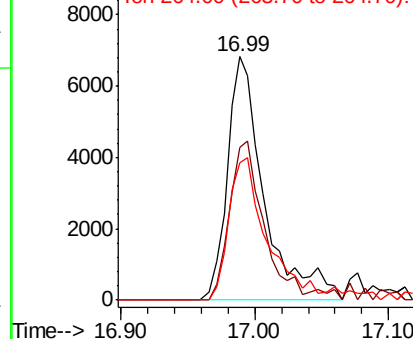


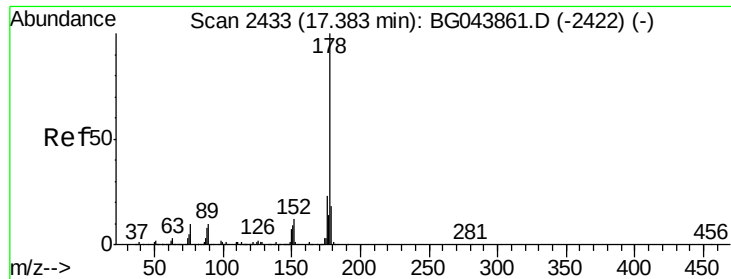
Abundance

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





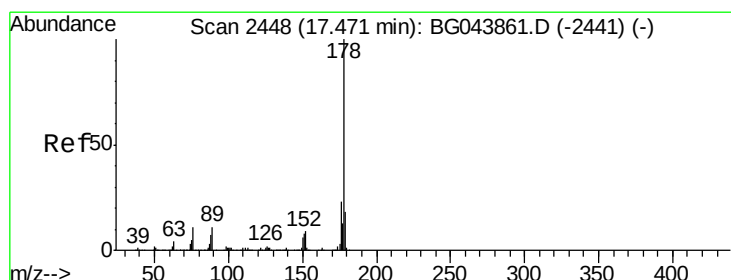
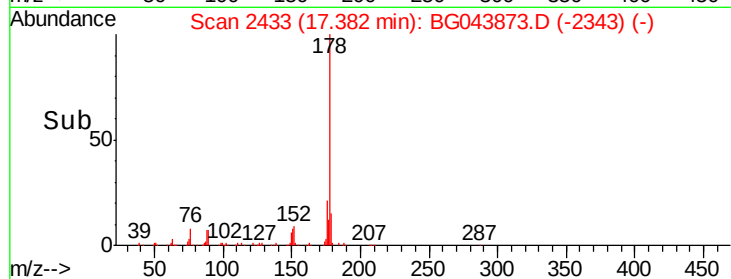
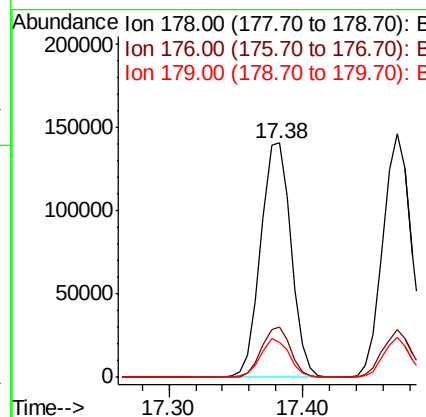
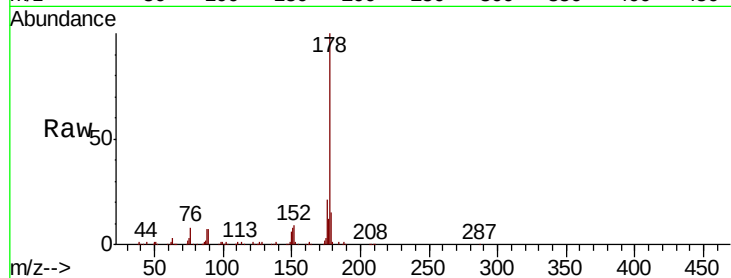
#71
Phenanthrene
Concen: 5.713 ng
RT: 17.38 min Scan# 2433
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.3	18.6	28.0
179	14.8	14.4	21.6

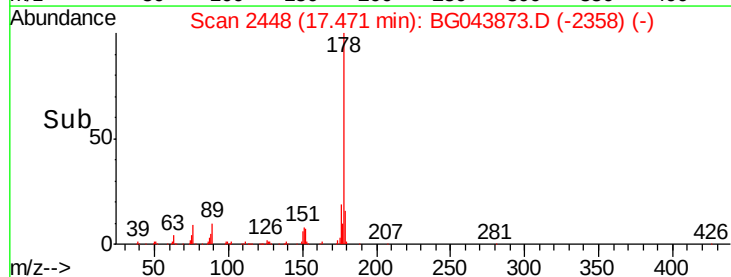
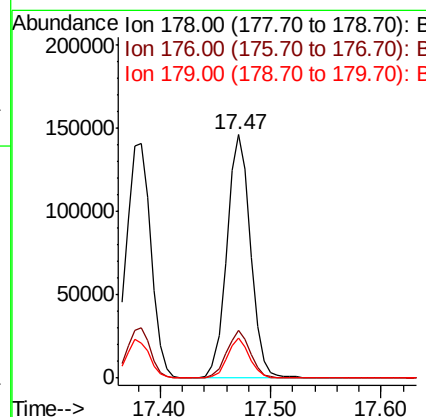
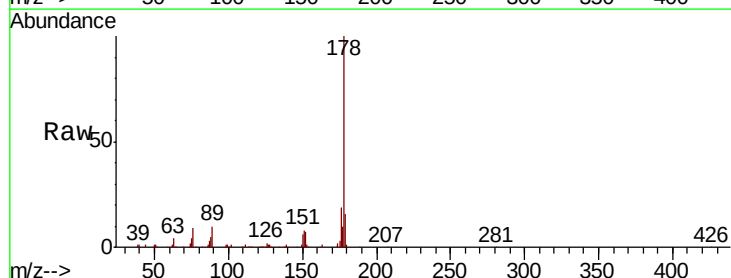
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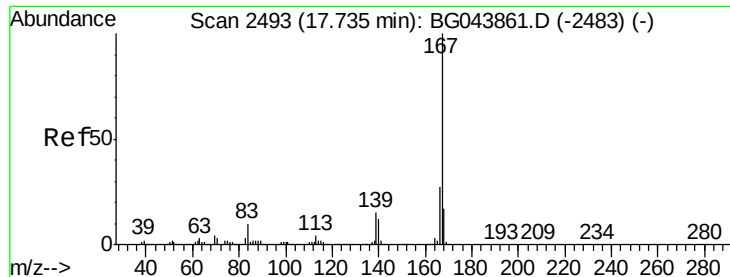
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#72
Anthracene
Concen: 5.695 ng
RT: 17.47 min Scan# 2448
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	18.3	27.5
179	16.2	14.6	22.0





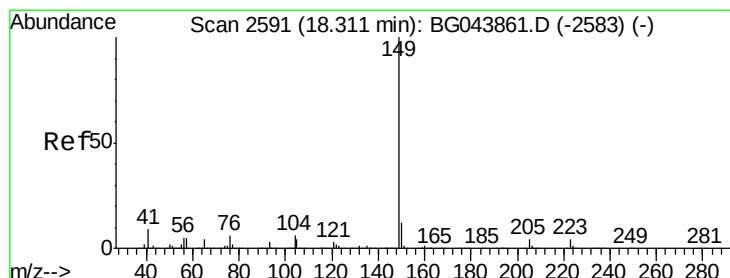
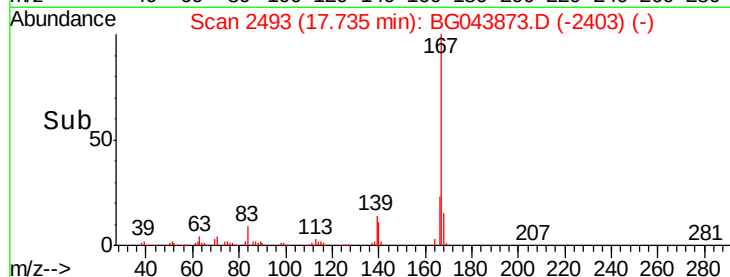
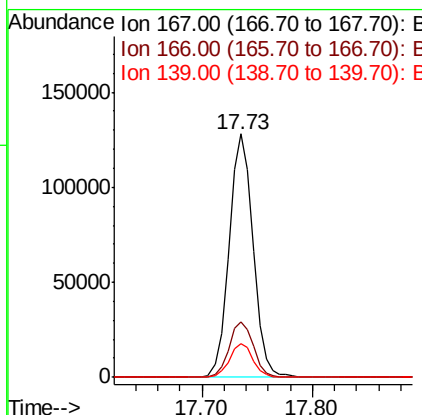
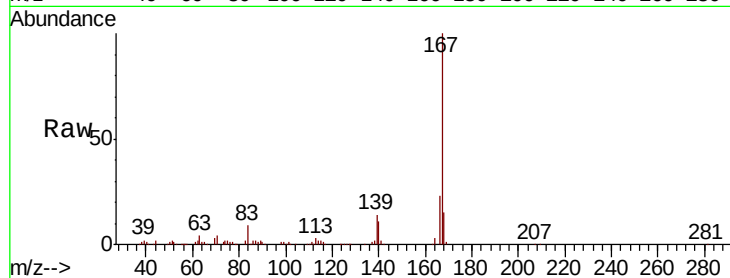
#73
 Carbazole
 Concen: 5.516 ng
 RT: 17.73 min Scan# 2493
 Delta R.T. -0.00 min
 Lab File: BG043873.D
 Acq: 2 Jan 2020 13:42

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.7	21.6	32.4
139	14.1	12.1	18.1

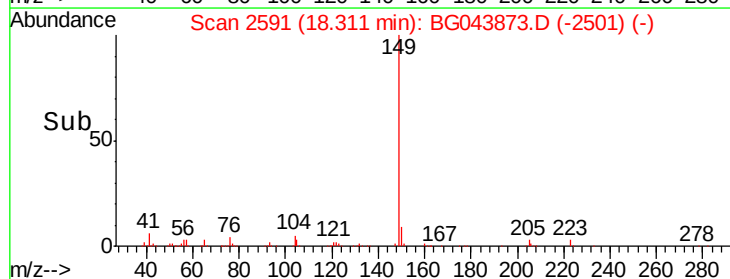
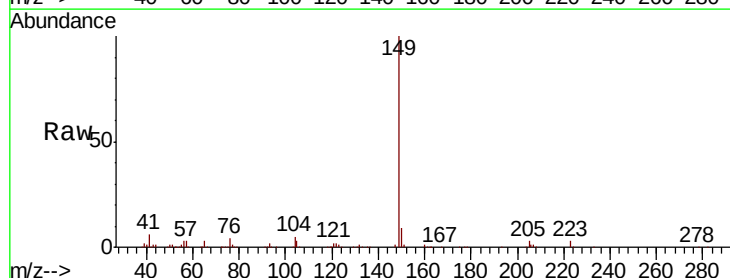
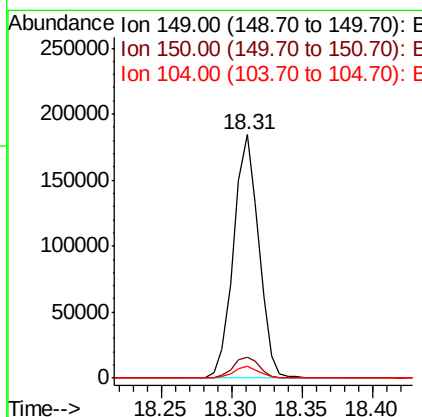
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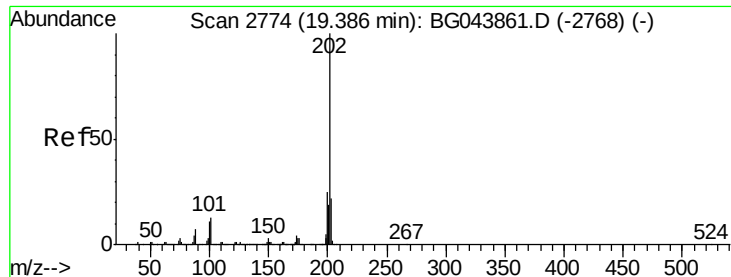
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#74
 Di-n-butylphthalate
 Concen: 5.083 ng
 RT: 18.31 min Scan# 2591
 Delta R.T. -0.00 min
 Lab File: BG043873.D
 Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.6	9.7	14.5#
104	4.7	5.0	7.4#





#75

Fluoranthene

Concen: 5.568 ng

RT: 19.39 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

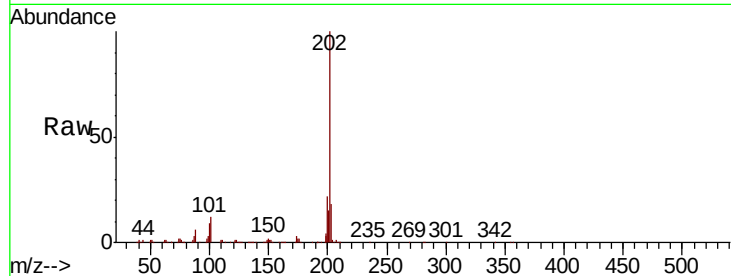
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

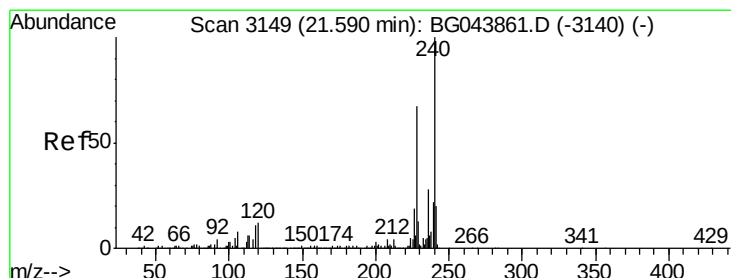
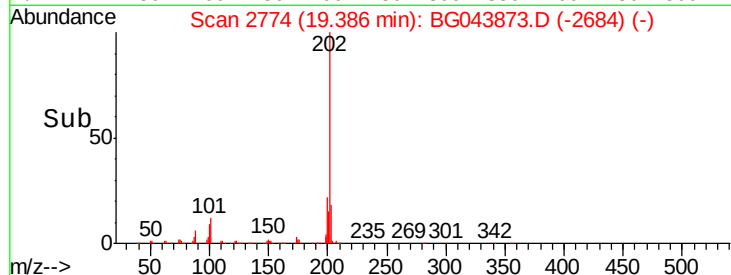
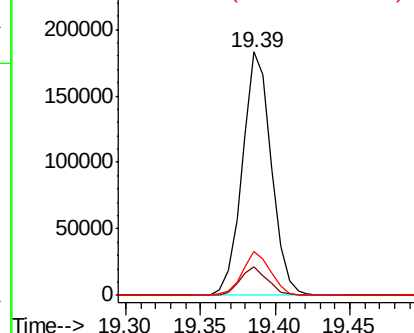
Tot Ion:	202	Resp:	246567
Ion Ratio		Lower	Upper
202	100		
101	11.7	0.0	33.3
203	17.8	1.6	41.6

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



#76

Chrysene-d12

Concen: 20.000 ng

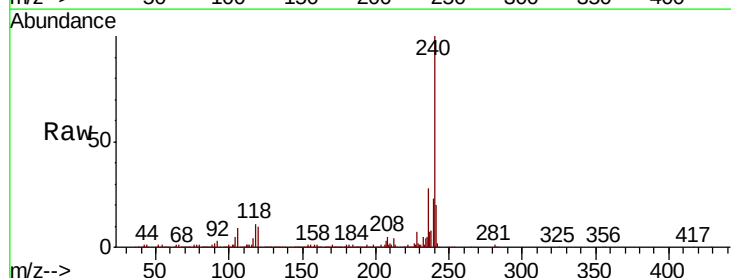
RT: 21.59 min Scan# 3149

Delta R.T. -0.00 min

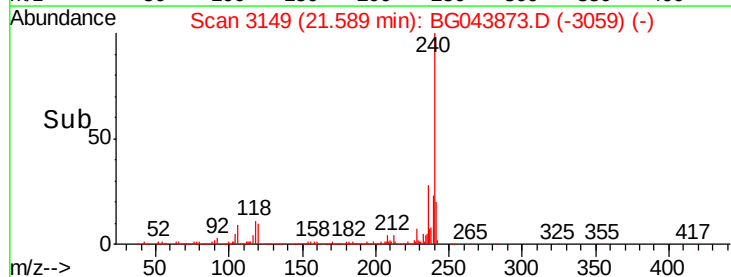
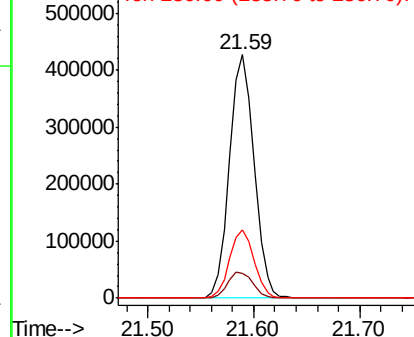
Lab File: BG043873.D

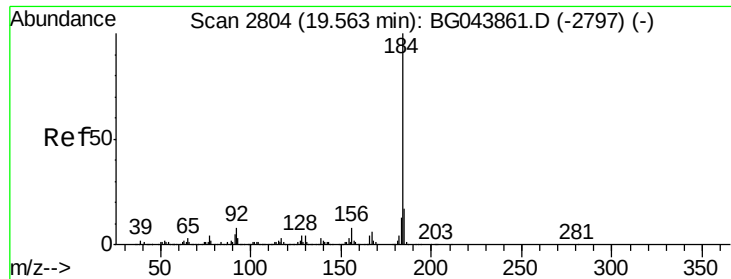
Acq: 2 Jan 2020 13:42

Tgt Ion:	240	Resp:	688317
Ion Ratio		Lower	Upper
240	100		
120	10.4	9.6	14.4
236	28.2	22.2	33.2



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





#77

Benzidine

Concen: 4.509 ng

RT: 19.56 min Scan# 2804

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

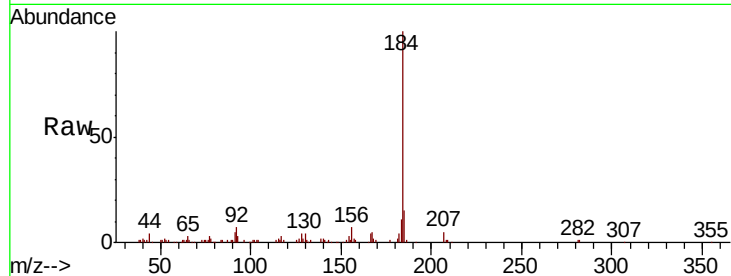
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

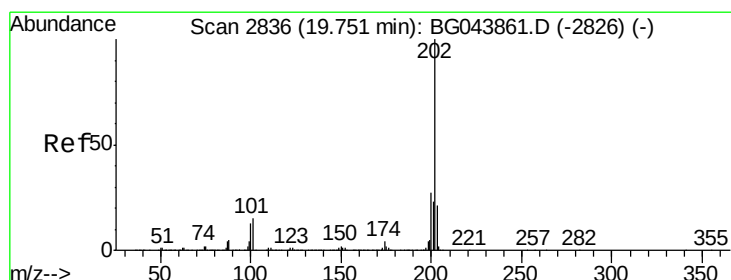
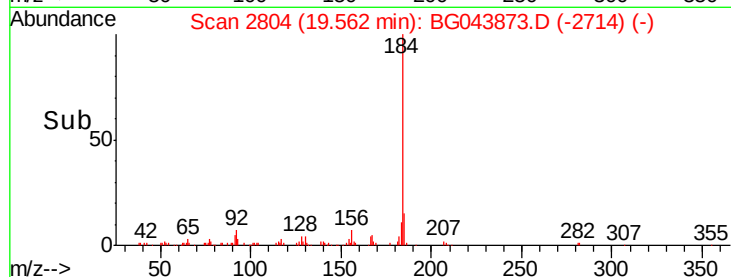
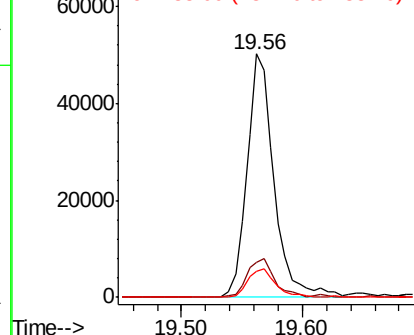
Tot Ion:	184	Resp:	78006
Ion Ratio	Lower	Upper	
184	100		
185	14.6	13.4	20.0
183	10.9	10.6	15.8

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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: 5.766 ng m

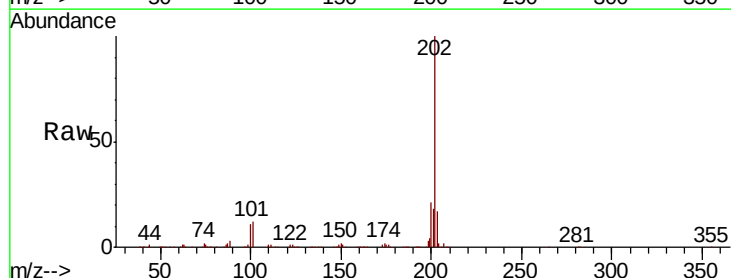
RT: 19.75 min Scan# 2836

Delta R.T. -0.00 min

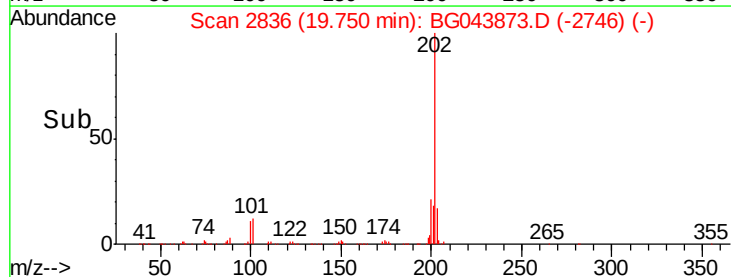
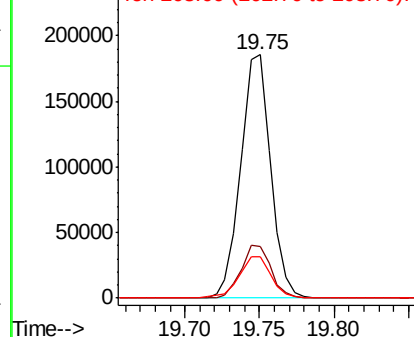
Lab File: BG043873.D

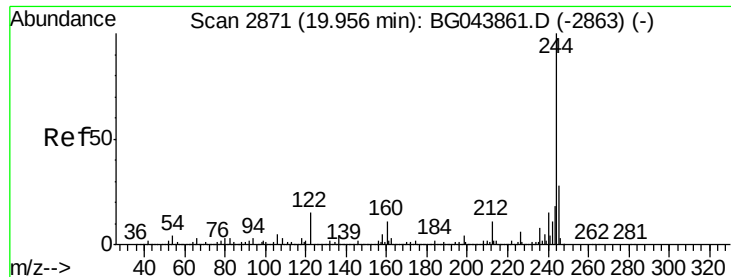
Acq: 2 Jan 2020 13:42

Tgt Ion:	202	Resp:	259053
Ion Ratio	Lower	Upper	
202	100		
200	21.1	21.7	32.5#
203	16.9	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: 98.588 ng

RT: 19.96 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:244 Resp: 2810903

Ion Ratio Lower Upper

244 100

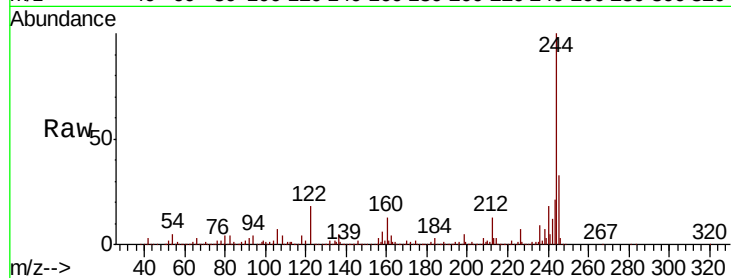
212 13.1 8.6 13.0#

122 17.8 11.9 17.9

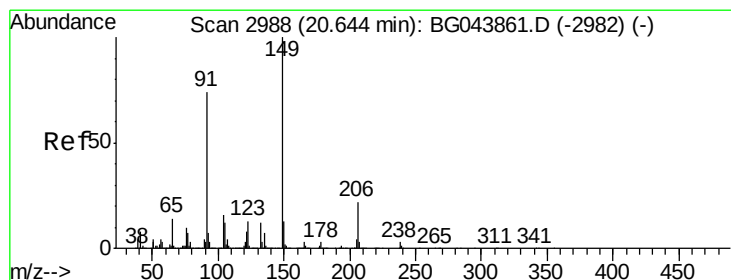
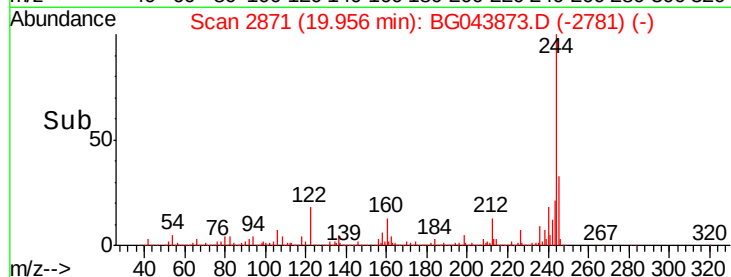
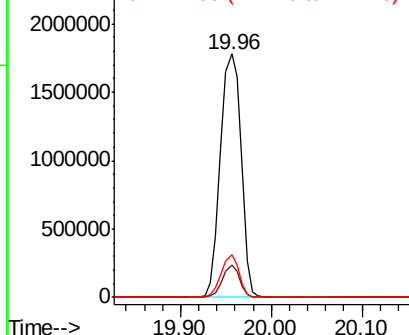
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 4.073 ng

RT: 20.64 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

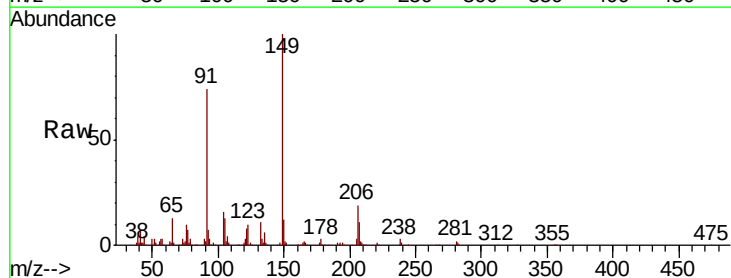
Tgt Ion:149 Resp: 87123

Ion Ratio Lower Upper

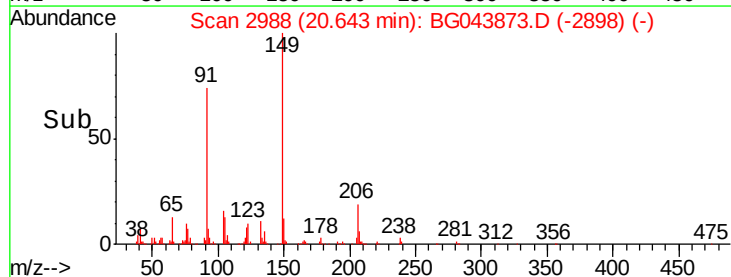
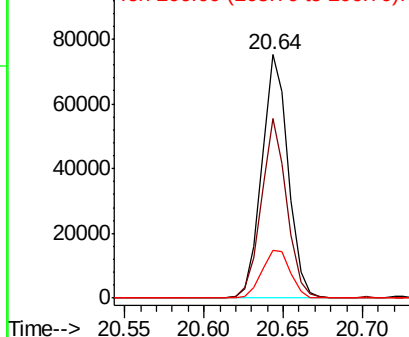
149 100

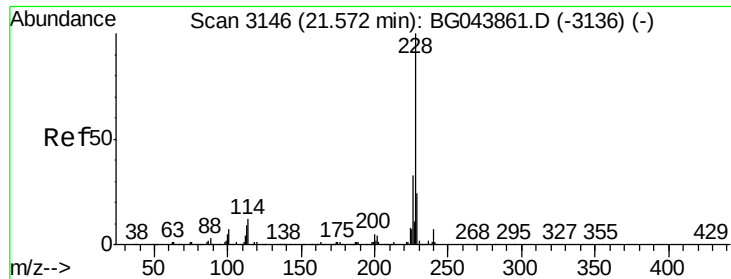
91 73.6 59.5 89.3

206 19.4 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: 5.555 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

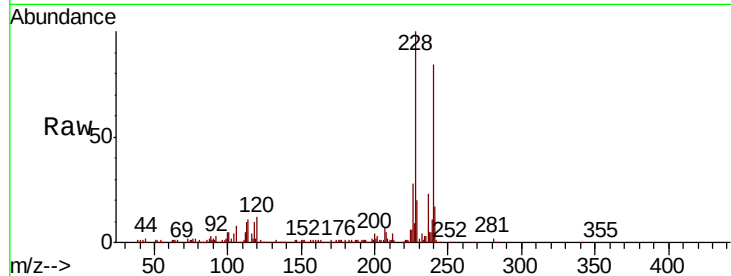
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

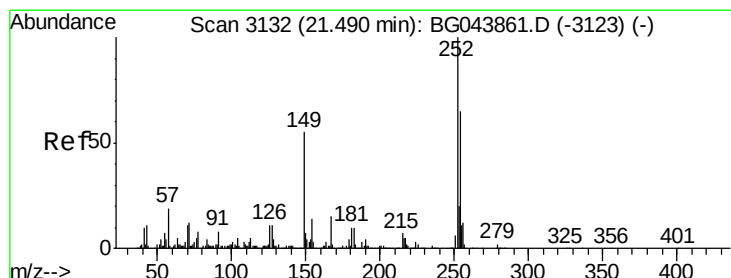
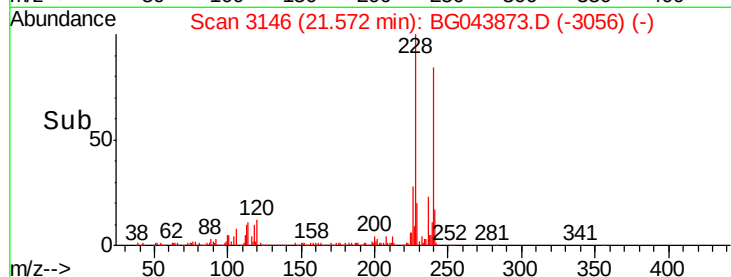
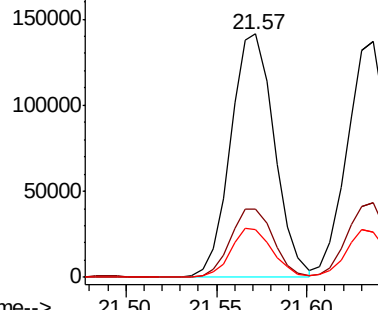
Tot Ion:	228	Resp:	237087
Ion Ratio	Lower	Upper	
228	100		
226	28.2	26.2	39.4
229	19.8	18.9	28.3

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 4.877 ng

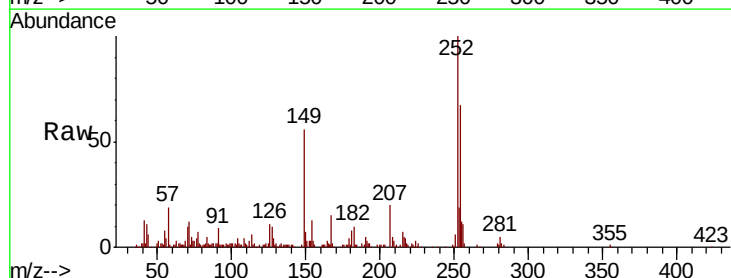
RT: 21.49 min Scan# 3132

Delta R.T. -0.00 min

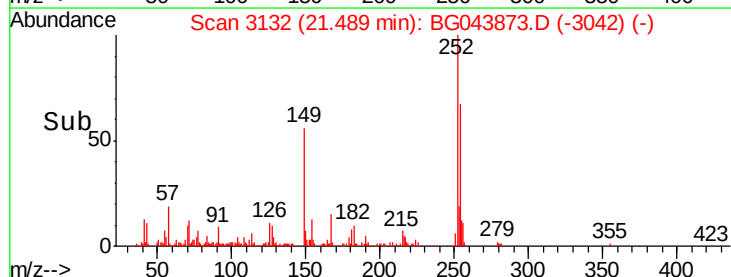
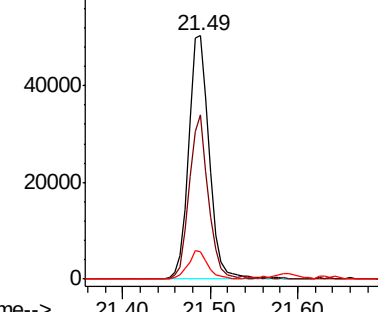
Lab File: BG043873.D

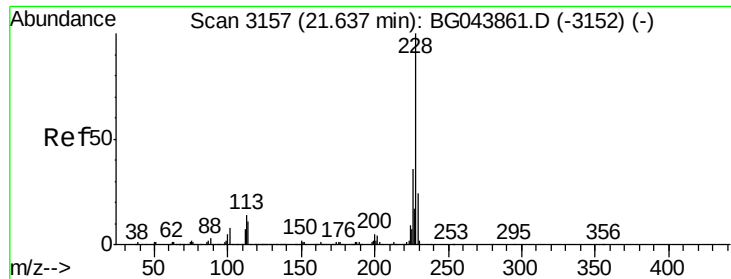
Acq: 2 Jan 2020 13:42

Tgt Ion:	252	Resp:	82236
Ion Ratio	Lower	Upper	
252	100		
254	67.4	52.1	78.1
126	11.0	9.1	13.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





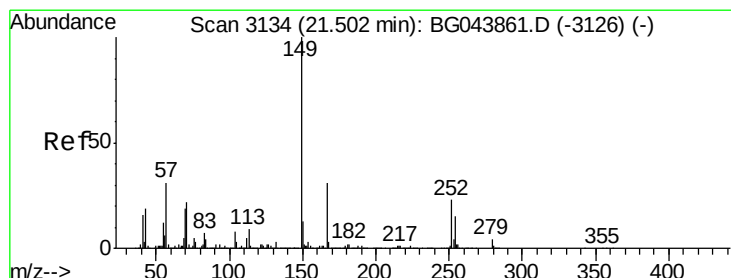
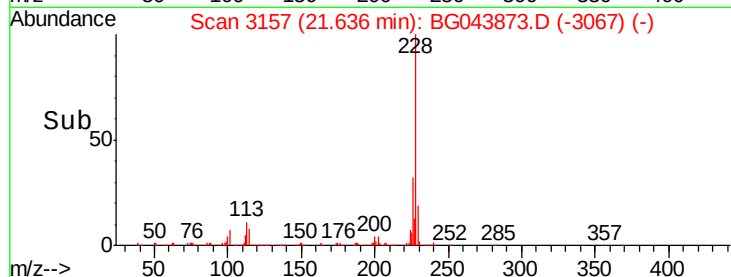
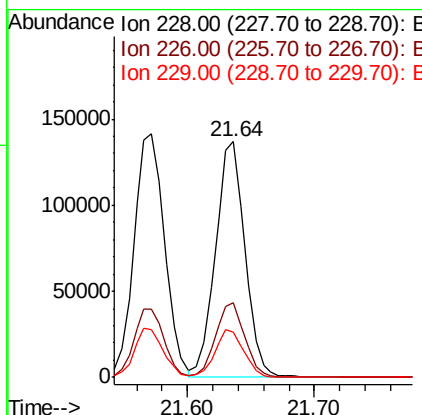
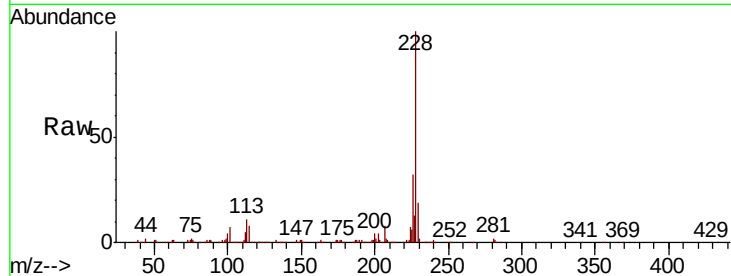
#83
Chrysene
Concen: 5.442 ng
RT: 21.64 min Scan# 3157
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	28.8	43.2
229	19.4	19.0	28.6

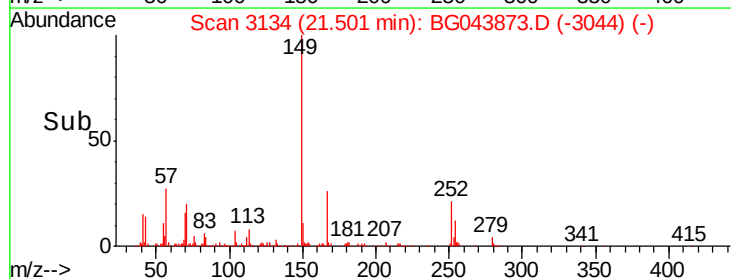
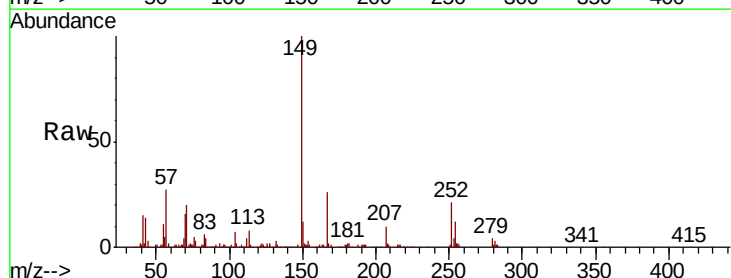
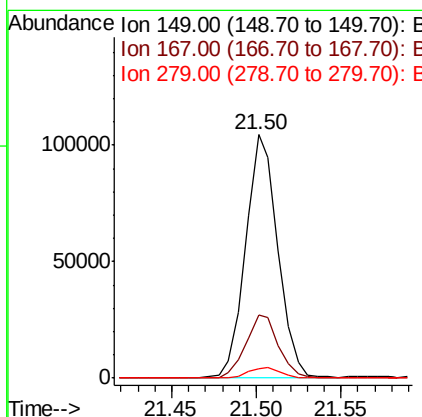
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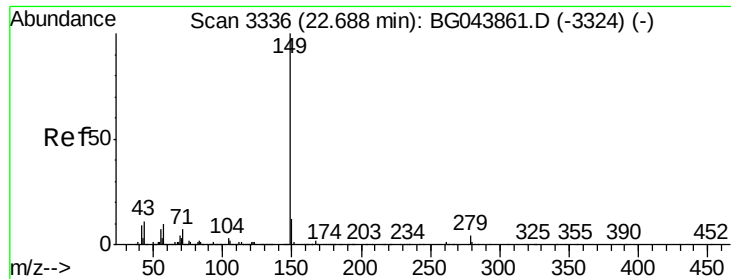
mohammad
1/3/2020 11:05:05 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.710 ng
RT: 21.50 min Scan# 3134
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.8	24.7	37.1
279	3.9	3.3	4.9





#85

Di-n-octyl phthalate

Concen: 4.365 ng

RT: 22.69 min Scan# 3336

Delta R.T. -0.00 min

Lab File: BG043873.D

Acq: 2 Jan 2020 13:42

Instrument :

BNA_G

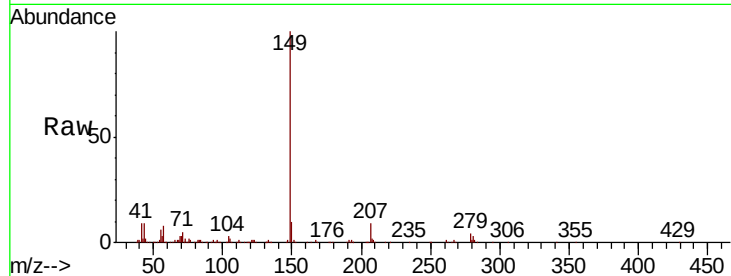
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

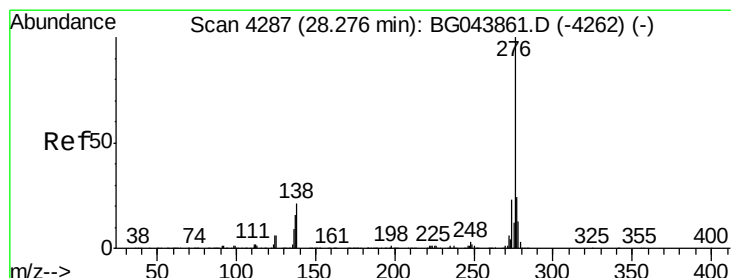
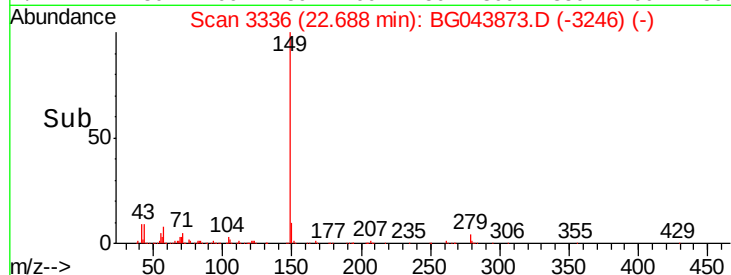
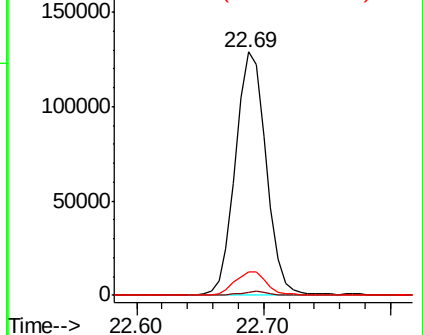
Tot Ion	Ratio	Resp	Lower	Upper
149	100	216564		
167	1.6		1.4	2.0
43	9.6		8.8	13.2

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.447 ng

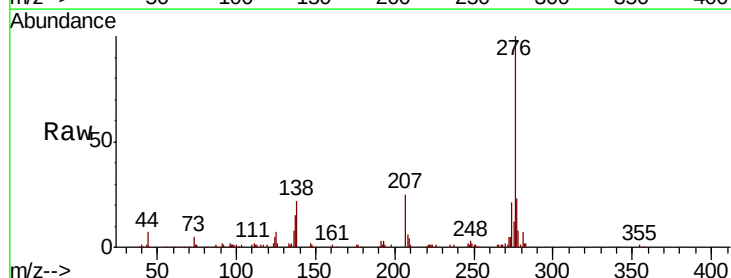
RT: 28.25 min Scan# 4283

Delta R.T. -0.02 min

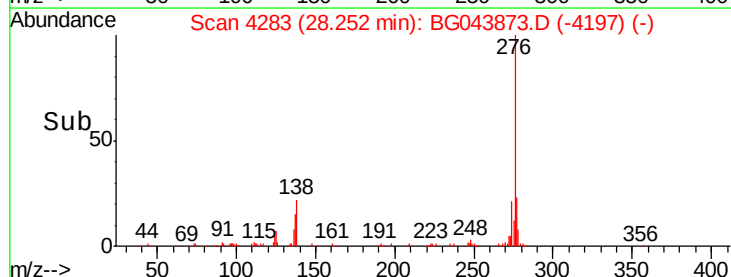
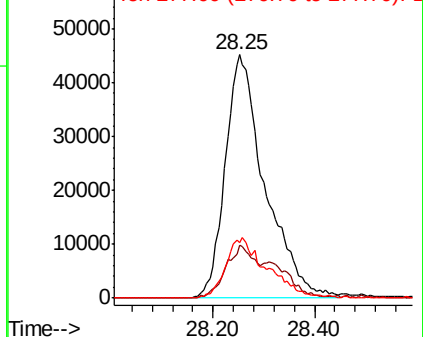
Lab File: BG043873.D

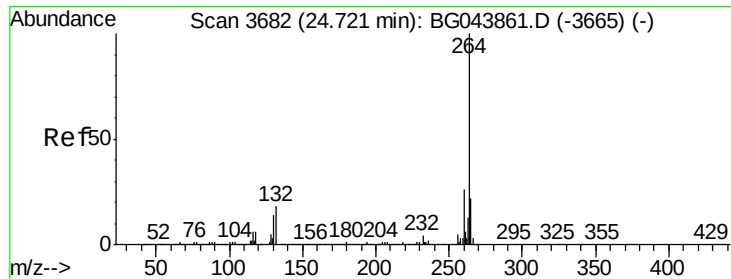
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	245079		
138	16.0		21.0	31.4#
277	25.5		21.1	31.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





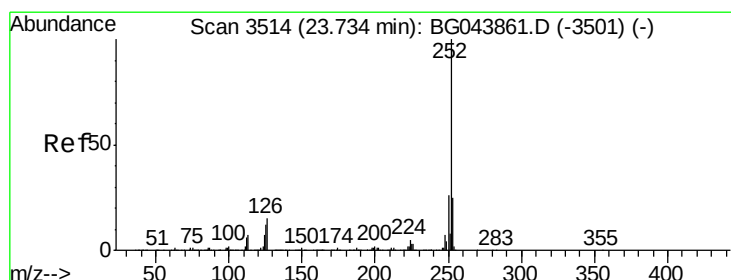
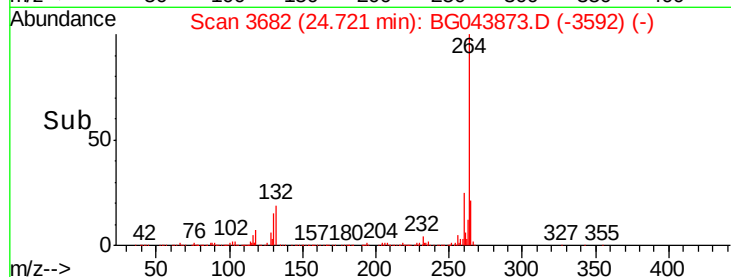
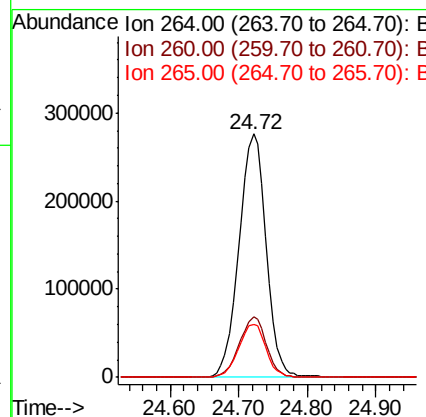
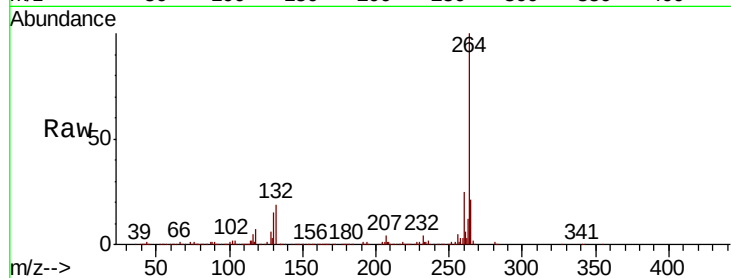
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.72 min Scan# 3682
Delta R.T. -0.00 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.4	30.6
265	21.5	17.4	26.2

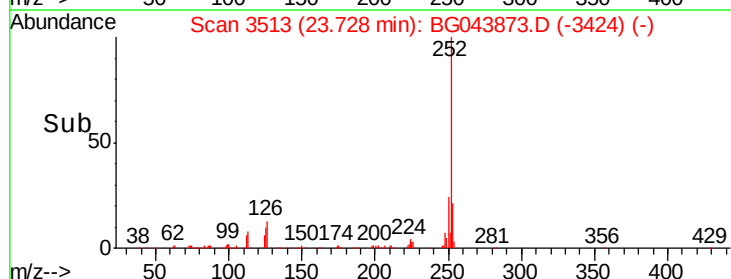
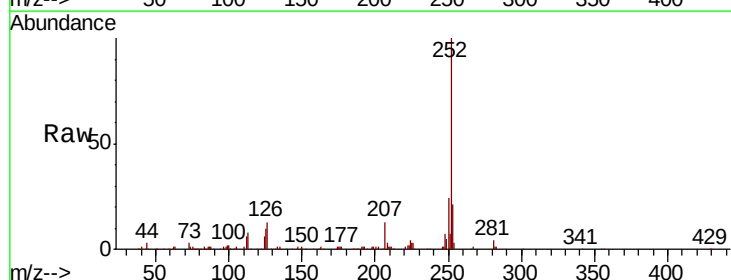
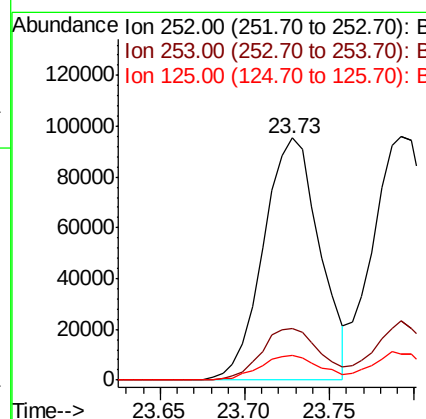
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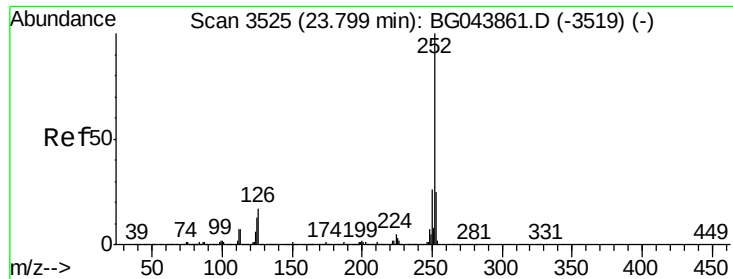
mohammad
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#88
Benzo(b)fluoranthene
Concen: 4.917 ng
RT: 23.73 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	19.7	29.5
125	10.3	9.4	14.2





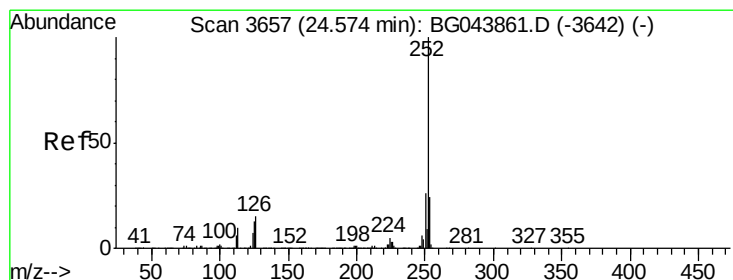
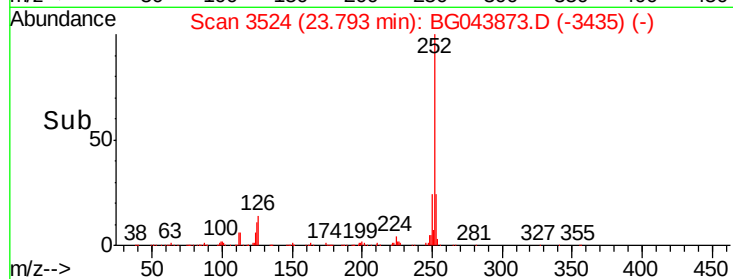
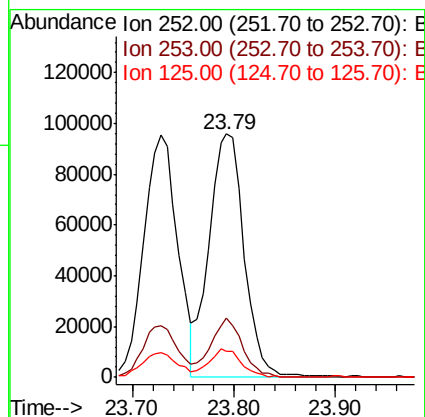
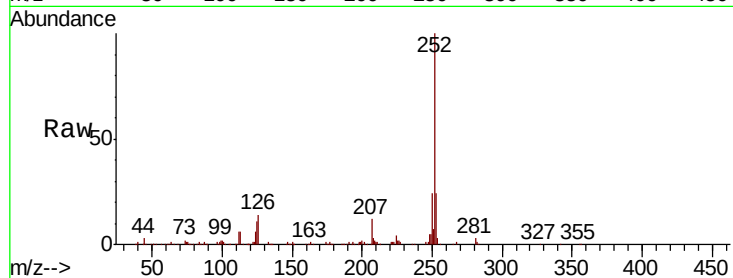
#89
Benzo(k)fluoranthene
Concen: 5.348 ng
RT: 23.79 min Scan# 3524
Delta R.T. -0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.4	29.2
125	10.9	9.9	14.9

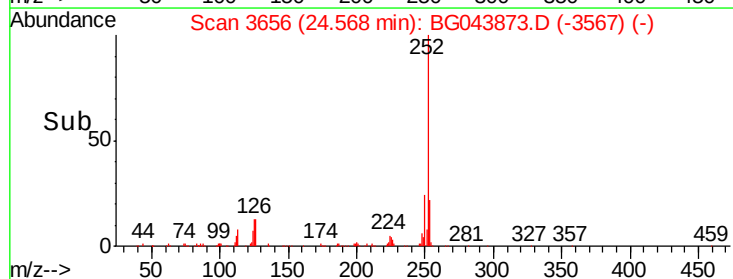
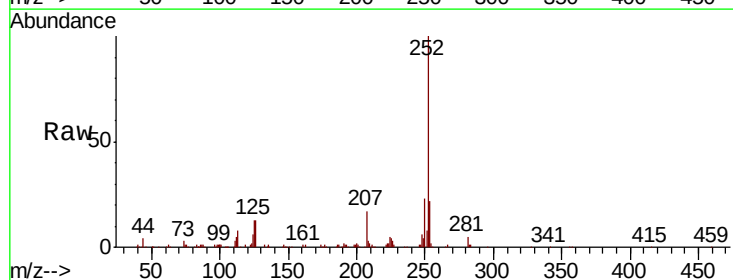
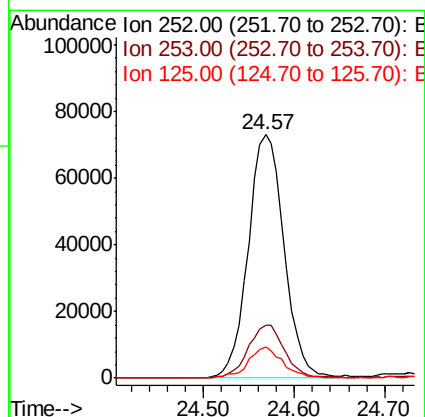
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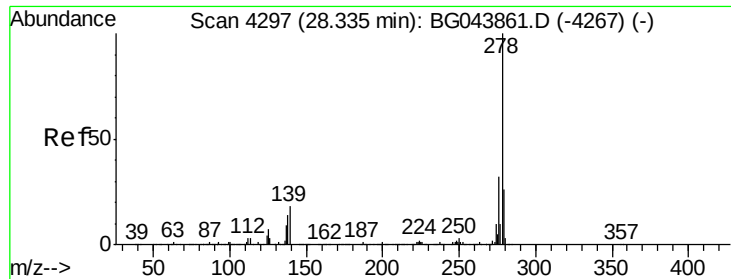
mohammad
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#90
Benzo(a)pyrene
Concen: 4.738 ng
RT: 24.57 min Scan# 3656
Delta R.T. -0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.3	28.9
125	12.8	10.4	15.6





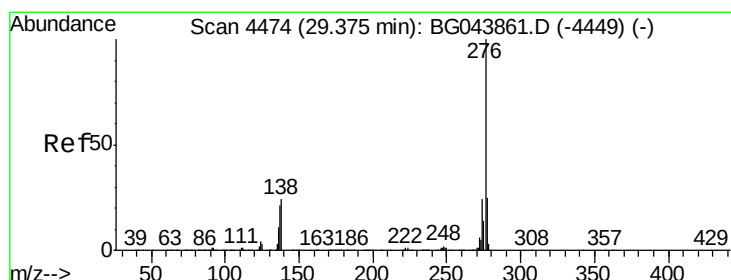
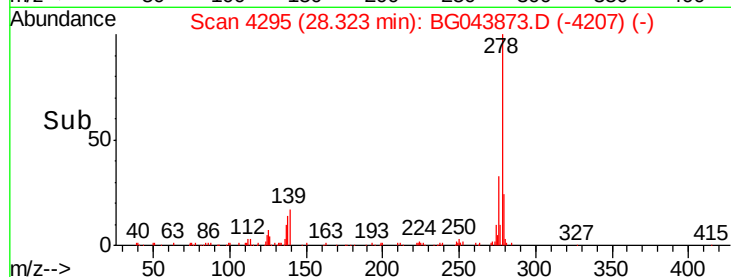
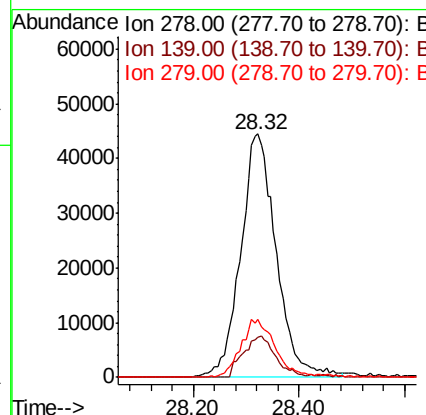
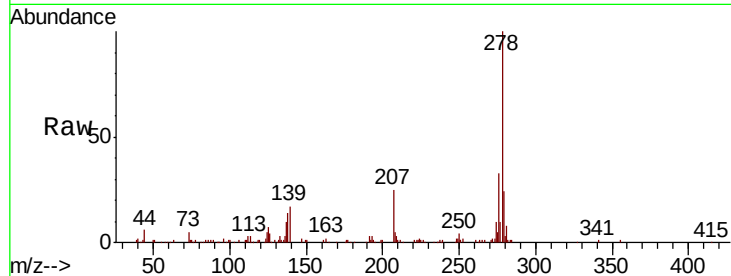
#91
Dibenzo(a,h)anthracene
Concen: 4.882 ng
RT: 28.32 min Scan# 4295
Delta R.T. -0.01 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.2	21.4
279	23.6	20.6	30.8

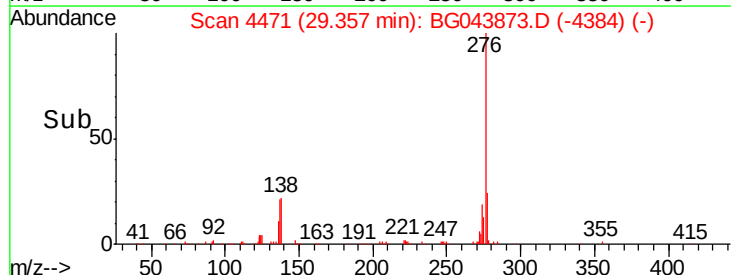
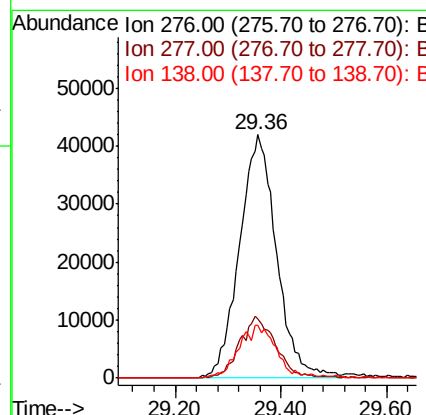
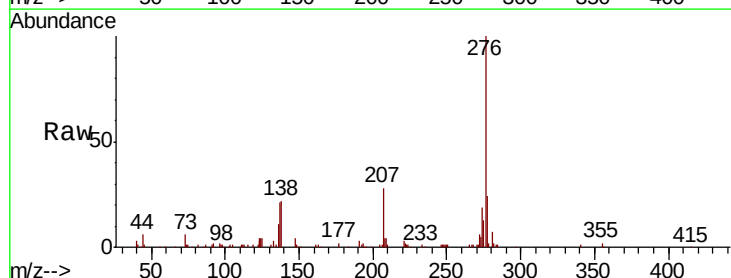
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#92
Benzo(g,h,i)perylene
Concen: 4.840 ng
RT: 29.36 min Scan# 4471
Delta R.T. -0.02 min
Lab File: BG043873.D
Acq: 2 Jan 2020 13:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	20.2	30.4
138	21.8	19.0	28.6



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010220\
 Data File : BG043873.D
 Acq On : 2 Jan 2020 13:42
 Operator : JU
 Sample : K5111-01
 Misc : LOD-MDL SOIL 5PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Manual Integrations
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mohammad
 1/3/2020 11:05:05 AM

Quant Time: Jan 02 16:29:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 02 16:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	123213	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	541951	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	369773	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	807208	20.00	ng	0.00
76) Chrysene-d12	21.59	240	688317	20.00	ng	0.00
87) Perylene-d12	24.72	264	759246	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	975890	145.43	ng	0.00
7) Phenol-d6	7.12	99	1324689	141.22	ng	0.00
23) Nitrobenzene-d5	9.12	82	990305	97.75	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	559872	144.68	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	2128489	104.29	ng	0.00
79) Terphenyl-d14	19.96	244	2810903	98.59	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.44	88	17720	6.056	ng	89
3) Pyridine	3.84	79	39836	4.609	ng	98
4) n-Nitrosodimethylamine	3.75	42	18476	4.801	ng	# 98
6) Aniline	7.29	93	62287	5.056	ng	98
8) 2-Chlorophenol	7.53	128	39964	5.073	ng	94
9) Benzaldehyde	7.10	77	39580	6.593	ng	95
10) Phenol	7.15	94	50245	5.199	ng	86
11) bis(2-Chloroethyl)ether	7.38	93	42191	5.057	ng	92
12) 1,3-Dichlorobenzene	7.86	146	45172	4.900	ng	97
13) 1,4-Dichlorobenzene	8.00	146	47217	5.191	ng	93
14) 1,2-Dichlorobenzene	8.32	146	44494	5.096	ng	96
15) Benzyl Alcohol	8.20	79	35571	4.805	ng	88
16) 2,2'-oxybis(1-Chloropropan	8.50	45	61255	4.746	ng	98
17) 2-Methylphenol	8.40	107	32785	4.688	ng	99
18) Hexachloroethane	9.05	117	17407	4.918	ng	88
19) n-Nitroso-di-n-propylamine	8.77	70	34232	4.900	ng	98
20) 3+4-Methylphenols	8.73	107	46469	4.763	ng	96
22) Acetophenone	8.78	105	66557	4.940	ng	# 95
24) Nitrobenzene	9.16	77	51961	5.179	ng	98
25) Isophorone	9.69	82	92491	4.866	ng	99
26) 2-Nitrophenol	9.88	139	18404	3.877	ng	95
27) 2,4-Dimethylphenol	9.94	122	36809	5.151	ng	94
28) bis(2-Chloroethoxy)methane	10.17	93	60859	4.803	ng	98
29) 2,4-Dichlorophenol	10.41	162	36905	4.330	ng	96
30) 1,2,4-Trichlorobenzene	10.63	180	44364	4.642	ng	99
31) Naphthalene	10.82	128	140930	5.374	ng	99
32) Benzoic acid	9.99	122	5785	1.085	ng	# 67
33) 4-Chloroaniline	10.92	127	58622	4.686	ng	96
34) Hexachlorobutadiene	11.12	225	26139	4.480	ng	95
35) Caprolactam	11.65	113	13802	4.350	ng	92
36) 4-Chloro-3-methylphenol	12.04	107	41452	4.568	ng	96
37) 2-Methylnaphthalene	12.42	142	108116	5.476	ng	93
38) 1-Methylnaphthalene	12.64	142	102898	5.499	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.79	216	51568	4.758	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010220\
 Data File : BG043873.D
 Acq On : 2 Jan 2020 13:42
 Operator : JU
 Sample : K5111-01
 Misc : LOD-MDL SOIL 5PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

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 1/3/2020 11:05:05 AM

Quant Time: Jan 02 16:29:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 02 16:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.78	237	23790	4.234	ng	97
43) 2,4,6-Trichlorophenol	13.03	196	30479	4.087	ng	97
44) 2,4,5-Trichlorophenol	13.10	196	32725	4.255	ng	95
46) 1,1'-Biphenyl	13.43	154	141720	5.345	ng	95
47) 2-Chloronaphthalene	13.48	162	103585	4.835	ng	93
48) 2-Nitroaniline	13.66	65	26865	3.898	ng	97
49) Acenaphthylene	14.32	152	171245	5.561	ng	96
50) Dimethylphthalate	14.05	163	137399	5.233	ng	97
51) 2,6-Dinitrotoluene	14.16	165	26432	4.454	ng	99
52) Acenaphthene	14.66	154	106284	4.922	ng	99
53) 3-Nitroaniline	14.49	138	27651	4.103	ng	98
54) 2,4-Dinitrophenol	14.69	184	4788	1.790	ng	# 81
55) Dibenzofuran	14.99	168	172904	5.816	ng	93
56) 4-Nitrophenol	14.79	139	17731	3.434	ng	95
57) 2,4-Dinitrotoluene	14.94	165	34519	4.275	ng	89
58) Fluorene	15.64	166	134988	5.729	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.22	232	28990	4.383	ng	# 99
60) Diethylphthalate	15.41	149	144751	5.512	ng	94
61) 4-Chlorophenyl-phenylether	15.64	204	68042	5.318	ng	99
62) 4-Nitroaniline	15.64	138	28974	4.354	ng	96
63) Azobenzene	15.93	77	136911	5.622	ng	96
65) 4,6-Dinitro-2-methylphenol	15.71	198	10830	2.759	ng	95
66) n-Nitrosodiphenylamine	15.85	169	120159	5.055	ng	98
67) 4-Bromophenyl-phenylether	16.53	248	40447	4.455	ng	93
68) Hexachlorobenzene	16.65	284	44887	4.589	ng	94
69) Atrazine	16.79	200	36556	4.731	ng	99
70) Pentachlorophenol	16.99	266	13112	2.431	ng	94
71) Phenanthrene	17.38	178	221190	5.713	ng	95
72) Anthracene	17.47	178	217932	5.695	ng	94
73) Carbazole	17.73	167	194968	5.516	ng	94
74) Di-n-butylphthalate	18.31	149	229372	5.083	ng	# 92
75) Fluoranthene	19.39	202	246567	5.568	ng	94
77) Benzidine	19.56	184	78006	4.509	ng	95
78) Pyrene	19.75	202	259053m	5.766	ng	
80) Butylbenzylphthalate	20.64	149	87123	4.073	ng	98
81) Benzo(a)anthracene	21.57	228	237087	5.555	ng	92
82) 3,3'-Dichlorobenzidine	21.49	252	82236	4.877	ng	97
83) Chrysene	21.64	228	220706	5.442	ng	92
84) Bis(2-ethylhexyl)phthalate	21.50	149	139010	4.710	ng	92
85) Di-n-octyl phthalate	22.69	149	216564	4.365	ng	97
86) Indeno(1,2,3-cd)pyrene	28.25	276	245079	4.447	ng	# 89
88) Benzo(b)fluoranthene	23.73	252	220677	4.917	ng	94
89) Benzo(k)fluoranthene	23.79	252	228287	5.348	ng	98
90) Benzo(a)pyrene	24.57	252	200708	4.738	ng	97
91) Dibenzo(a,h)anthracene	28.32	278	207721	4.882	ng	96
92) Benzo(g,h,i)perylene	29.36	276	204552	4.840	ng	97

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