

#1

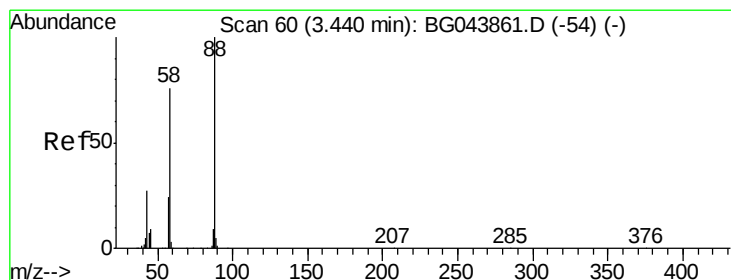
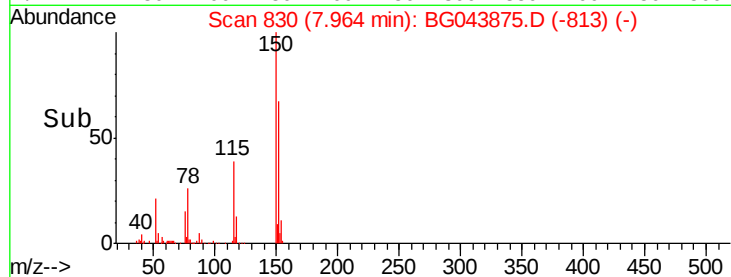
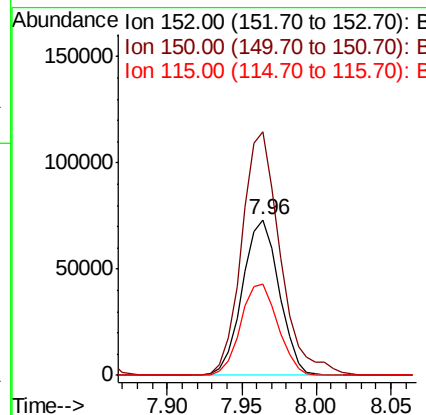
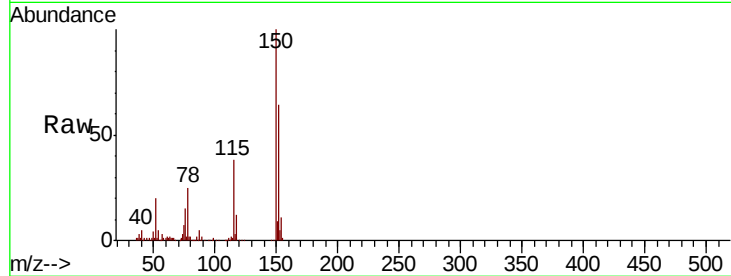
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	127.0	190.4
115	58.7	47.8	71.8

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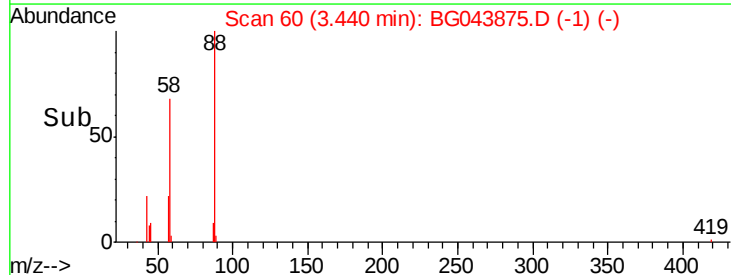
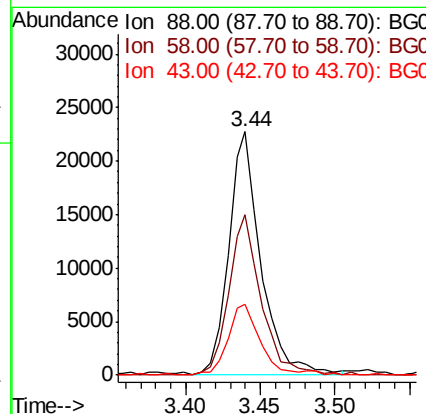
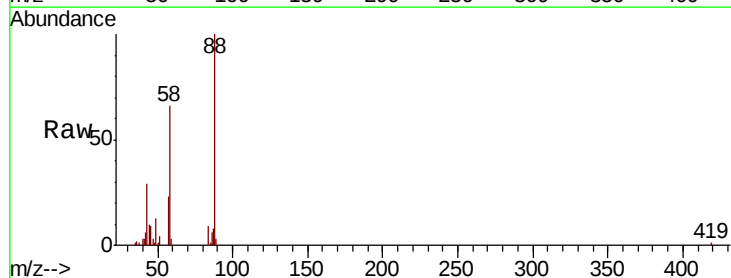
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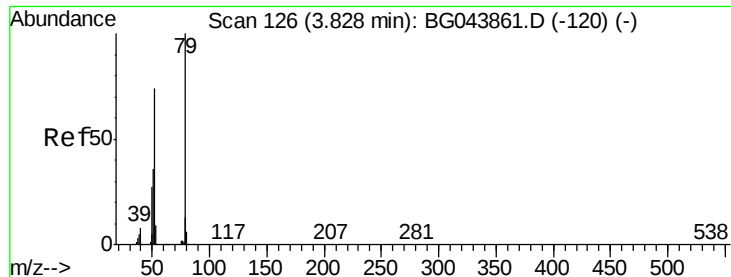


#2

1,4-Dioxane
Concen: 11.565 ng
RT: 3.44 min Scan# 60
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.1	59.8	89.8
43	29.7	22.9	34.3





#3

Pvridine

Concen: 9.959 ng

RT: 3.83 min Scan# 127

Delta R.T. 0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Instrument :

BNA_G

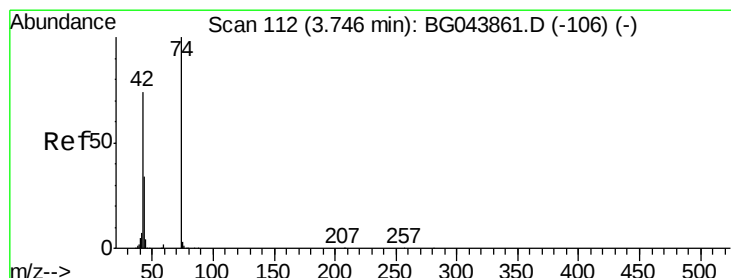
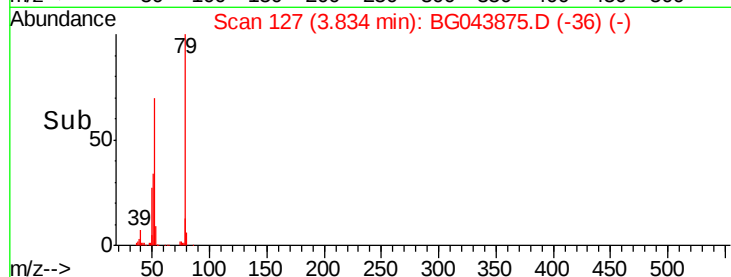
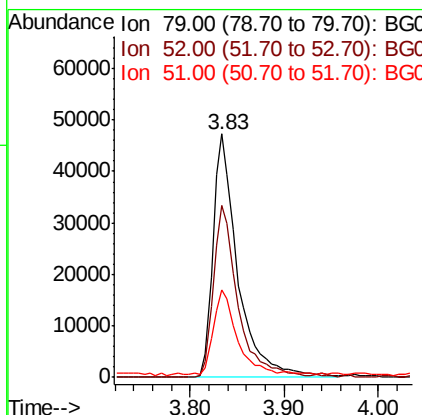
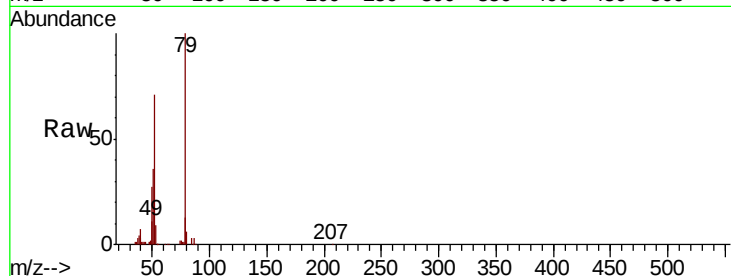
ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:	79	Resp:	87218
Ion Ratio	Lower	Upper	
79	100		
52	70.5	58.9	88.3
51	36.1	28.6	43.0

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#4

n-Nitrosodimethylamine

Concen: 10.226 ng

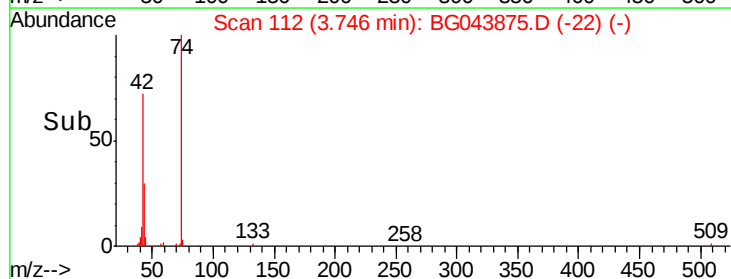
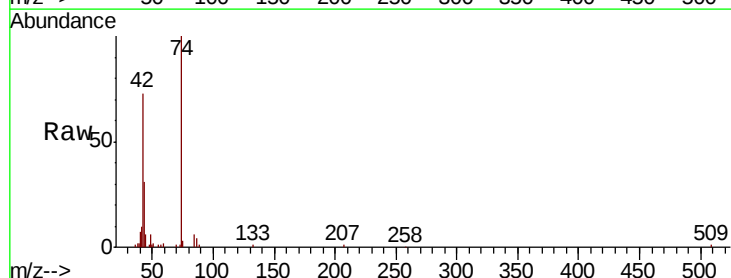
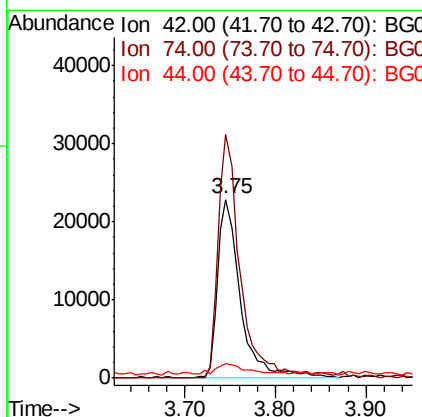
RT: 3.75 min Scan# 112

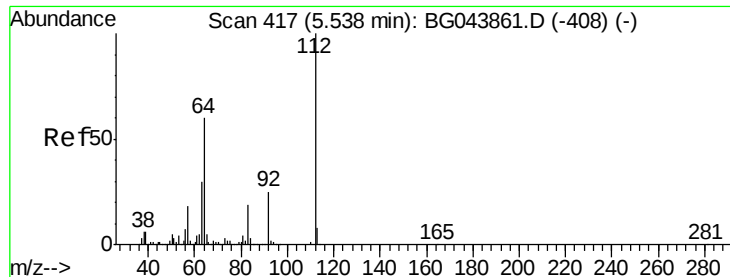
Delta R.T. -0.00 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Tgt Ion:	42	Resp:	39873
Ion Ratio	Lower	Upper	
42	100		
74	136.4	108.6	162.8
44	7.8	5.0	7.6#





#5

2-Fluorophenol

Concen: 142.767 ng

RT: 5.53 min Scan# 416

Delta R.T. -0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Instrument :

BNA_G

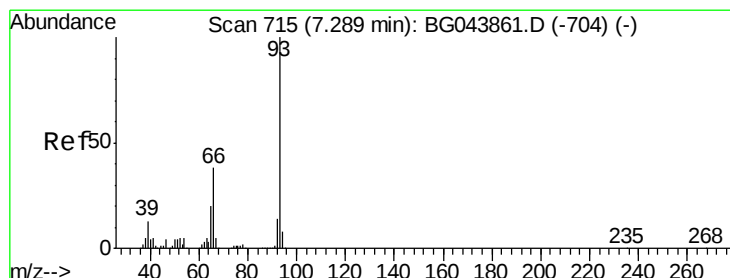
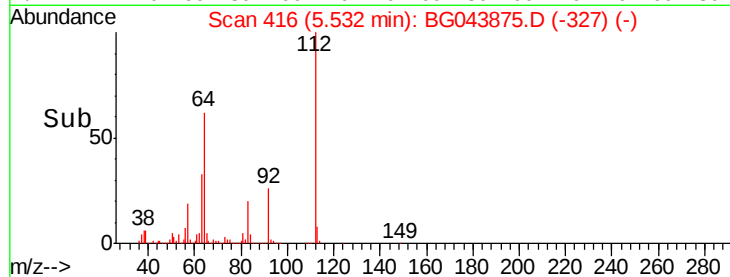
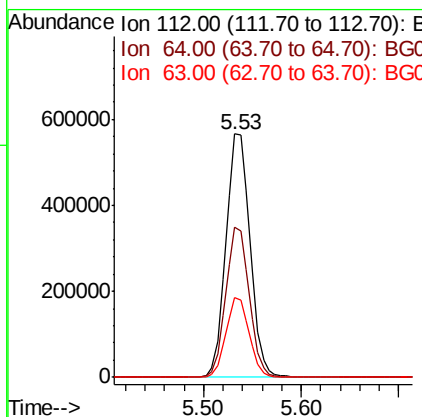
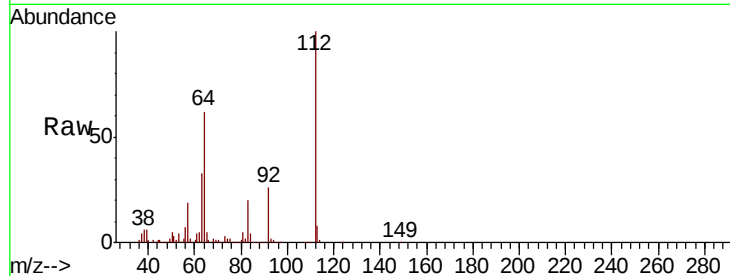
ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:	112	Resp:	970720
Ion Ratio	Lower	Upper	
112	100		
64	61.8	47.8	71.6
63	32.7	24.3	36.5

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#6

Aniline

Concen: 11.001 ng

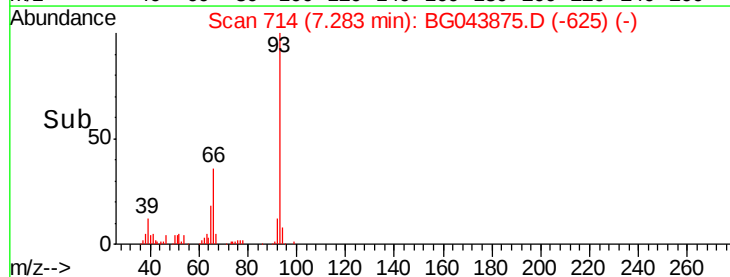
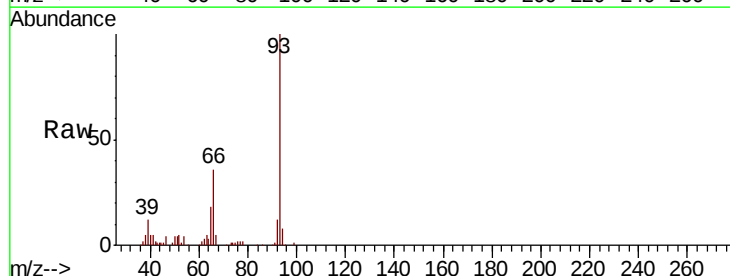
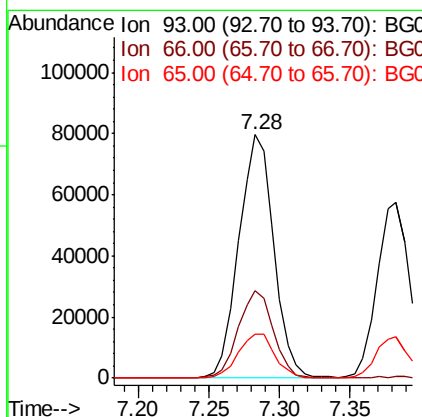
RT: 7.28 min Scan# 714

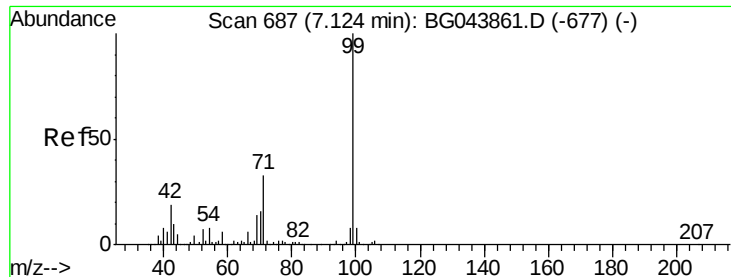
Delta R.T. -0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Tgt Ion:	93	Resp:	137336
Ion Ratio	Lower	Upper	
93	100		
66	36.0	30.8	46.2
65	18.3	16.0	24.0





#7

Phenol-d6

Concen: 140.853 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.00 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion: 99 Resp: 1338700

Ion Ratio Lower Upper

99 100

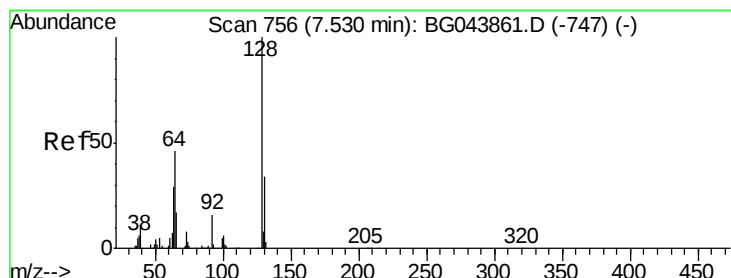
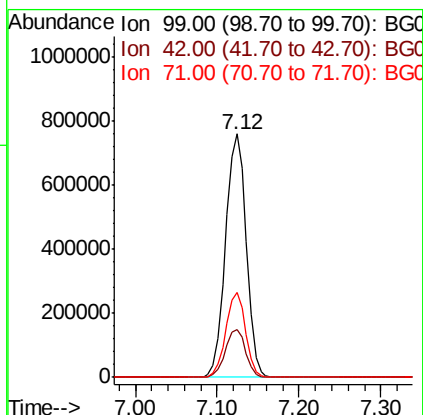
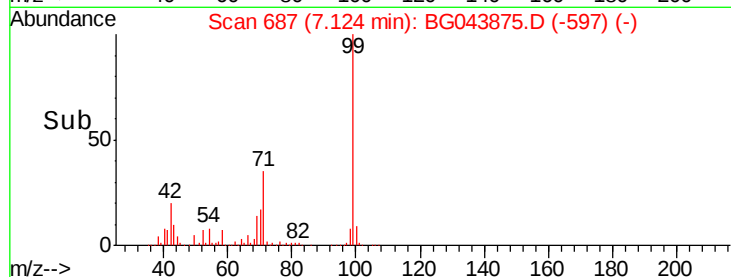
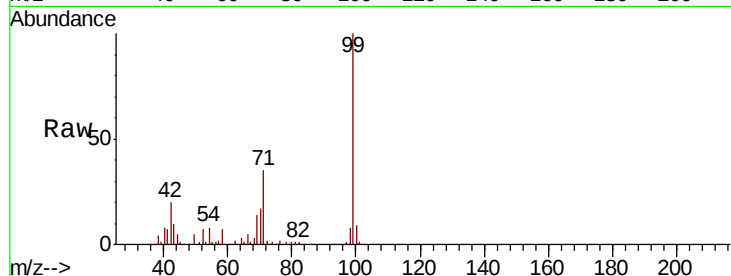
42 19.7 14.9 22.3

71 34.8 26.4 39.6

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#8

2-Chlorophenol

Concen: 10.621 ng

RT: 7.52 min Scan# 755

Delta R.T. -0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

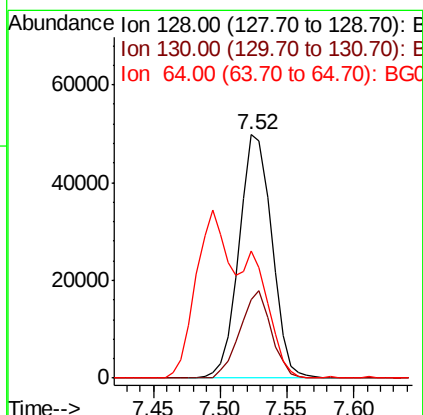
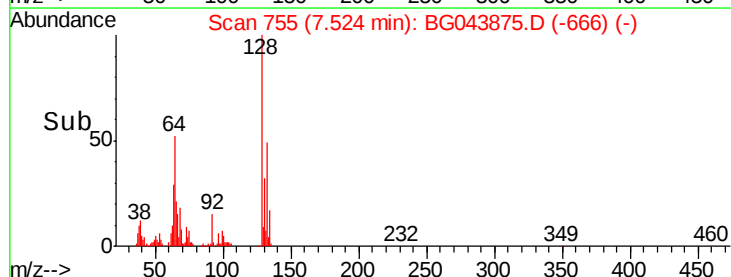
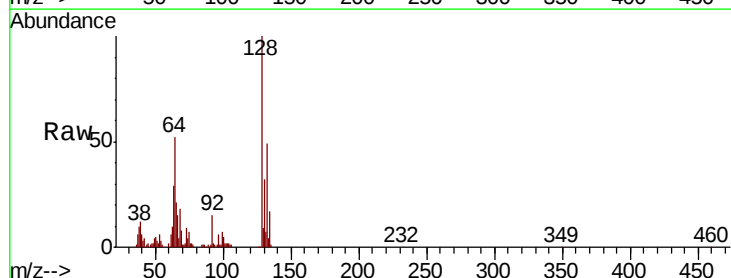
Tgt Ion:128 Resp: 84777

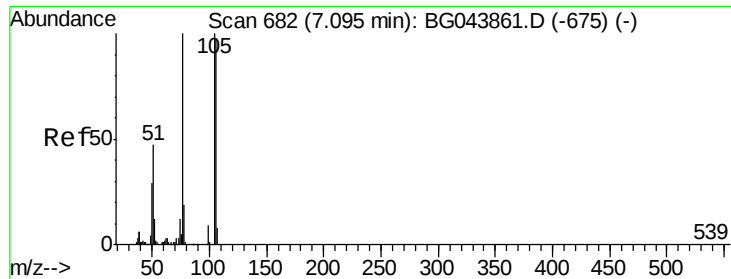
Ion Ratio Lower Upper

128 100

130 32.2 13.8 53.8

64 52.1 27.6 67.6





#9

Benzaldehyde

Concen: 13.586 ng

RT: 7.09 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Instrument :

BNA_G

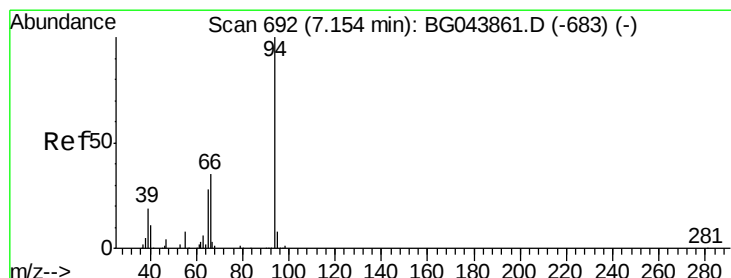
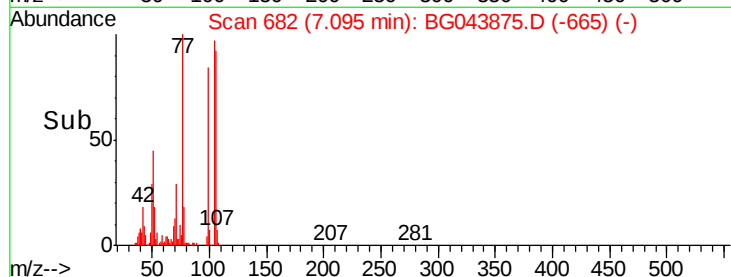
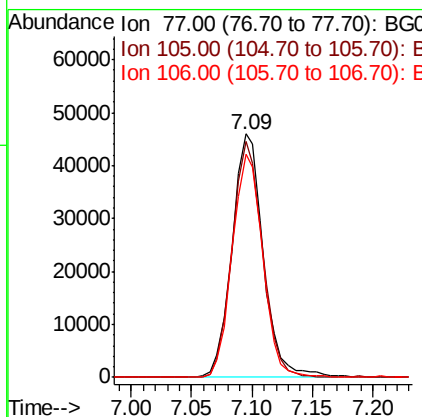
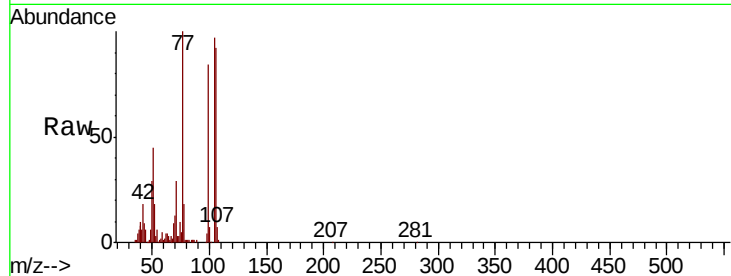
ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
77	100		
105	97.1	80.2	120.2
106	91.7	77.2	117.2

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#10

Phenol

Concen: 10.694 ng

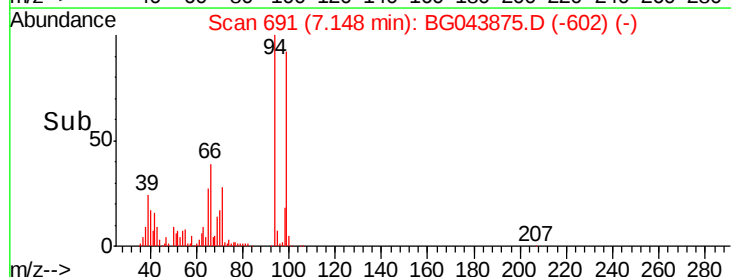
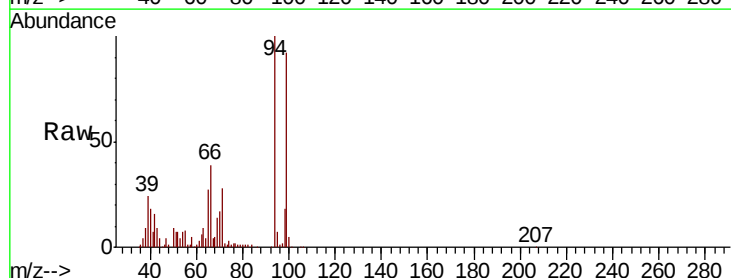
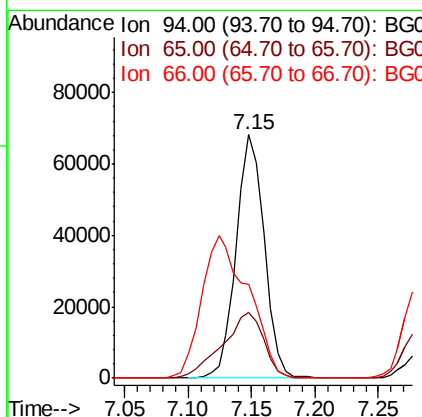
RT: 7.15 min Scan# 691

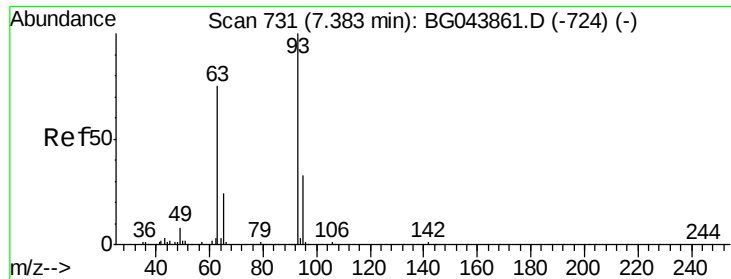
Delta R.T. -0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
94	100		
65	27.0	8.1	48.1
66	38.6	15.6	55.6





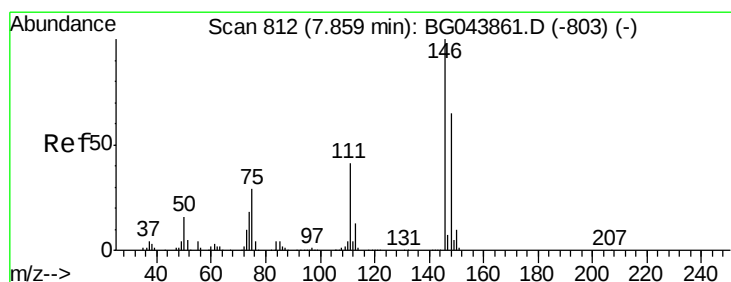
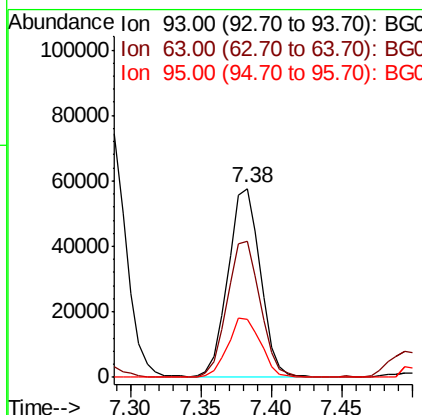
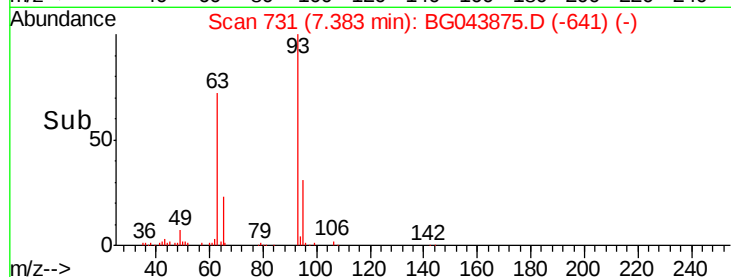
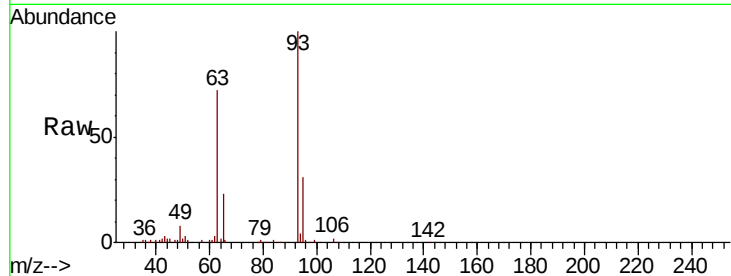
#11
bis(2-Chloroethyl)ether
Concen: 10.917 ng
RT: 7.38 min Scan# 731
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	71.9	55.0	95.0
95	31.0	13.3	53.3

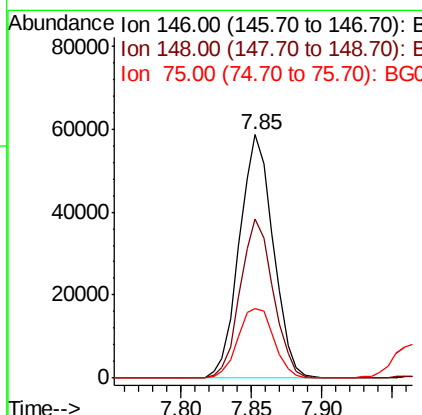
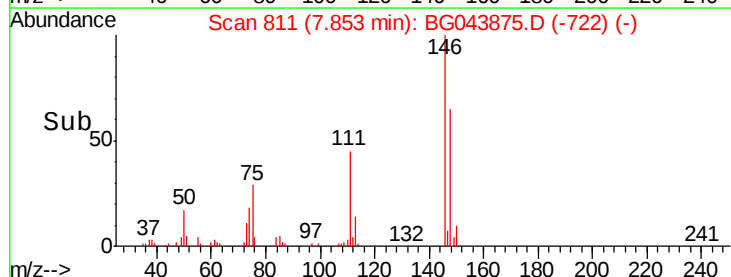
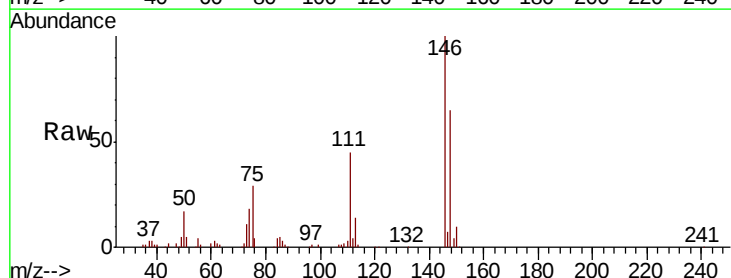
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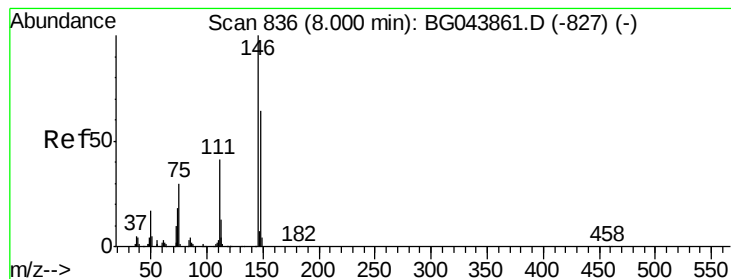
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#12
1,3-Dichlorobenzene
Concen: 10.528 ng
RT: 7.85 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.1	78.1
75	28.6	23.0	34.4





#13

1,4-Dichlorobenzene

Concen: 11.080 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.00 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Instrument :

BNA_G

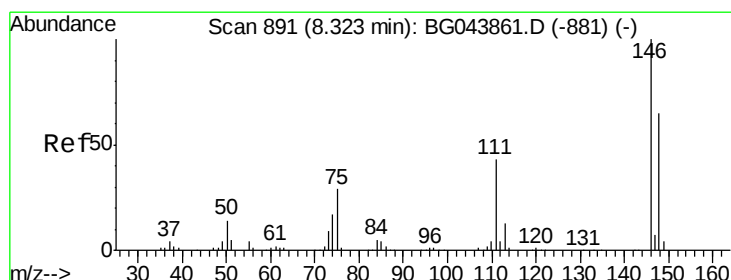
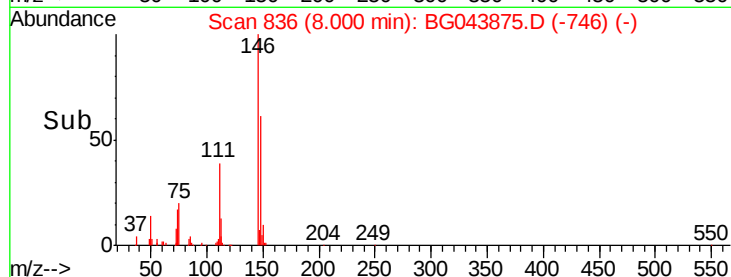
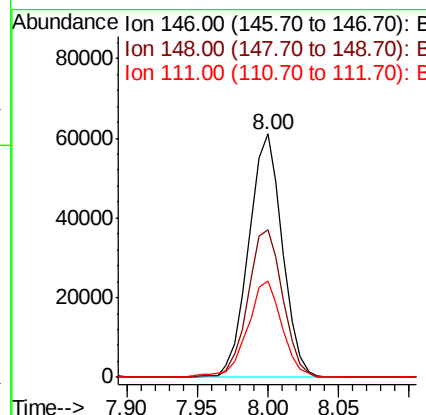
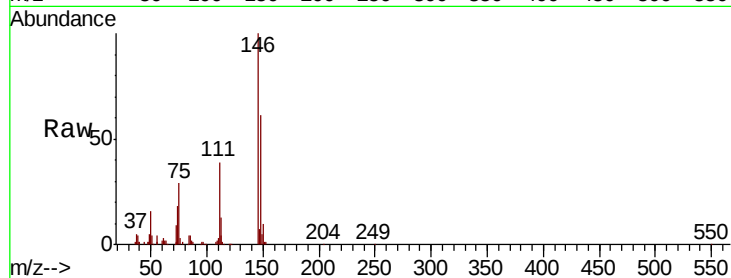
ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:	146	Resp:	102116
Ion Ratio	Lower	Upper	
146	100		
148	60.8	51.2	76.8
111	39.3	33.1	49.7

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#14

1,2-Dichlorobenzene

Concen: 10.708 ng

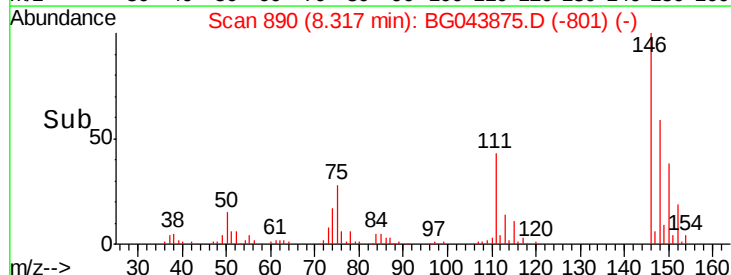
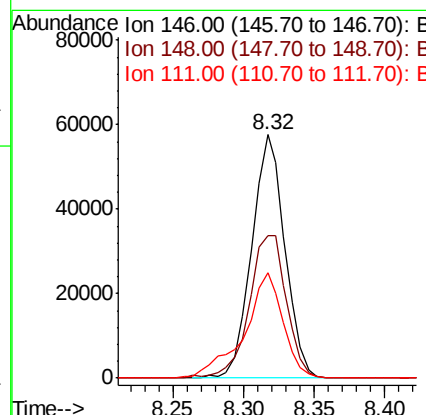
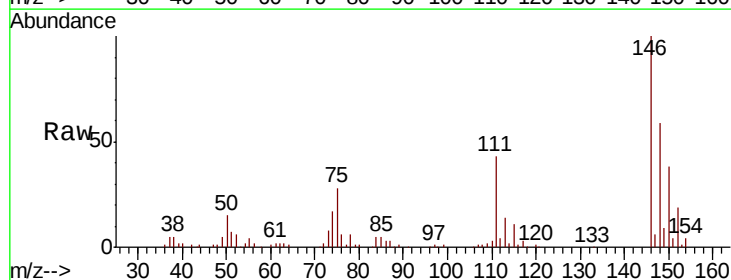
RT: 8.32 min Scan# 890

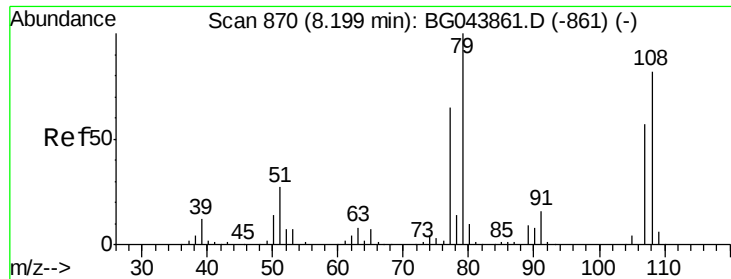
Delta R.T. -0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Tgt Ion:	146	Resp:	94728
Ion Ratio	Lower	Upper	
146	100		
148	58.8	51.7	77.5
111	43.0	34.4	51.6





#15

Benzyl Alcohol

Concen: 10.060 ng

RT: 8.19 min Scan# 869

Delta R.T. -0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Instrument :

BNA_G

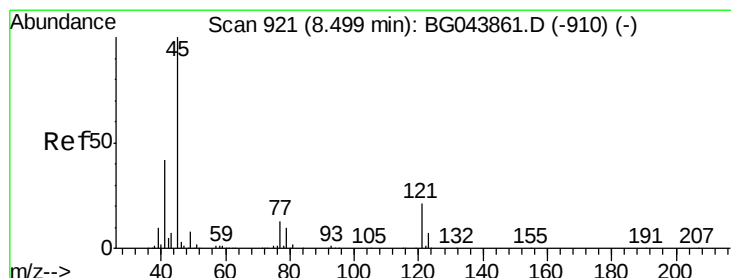
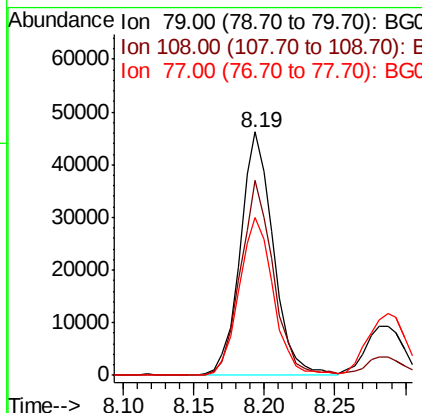
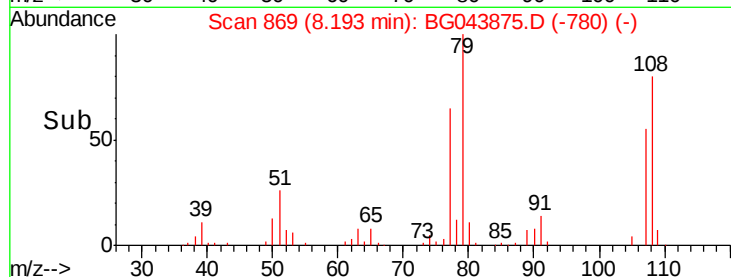
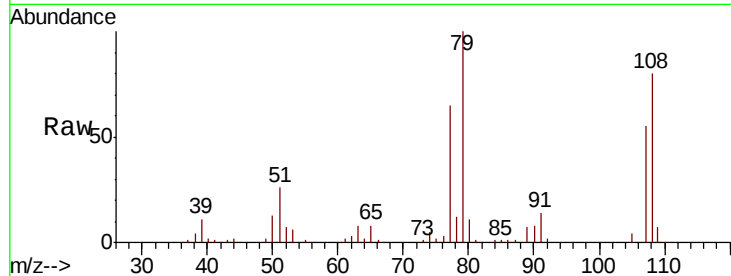
ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:	79	Resp:	75460
Ion	Ratio	Lower	Upper
79	100		
108	80.3	65.6	98.4
77	64.9	52.0	78.0

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.255 ng

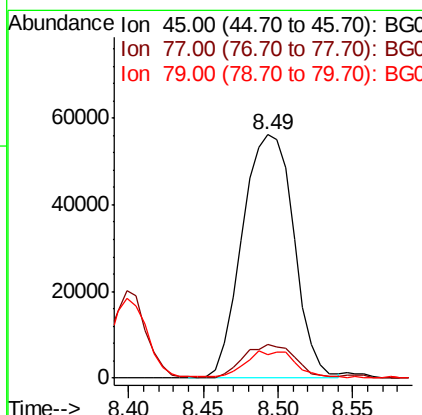
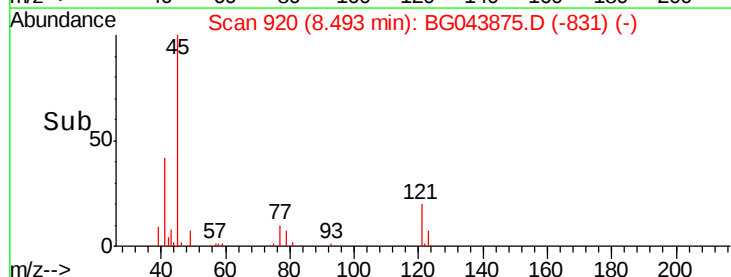
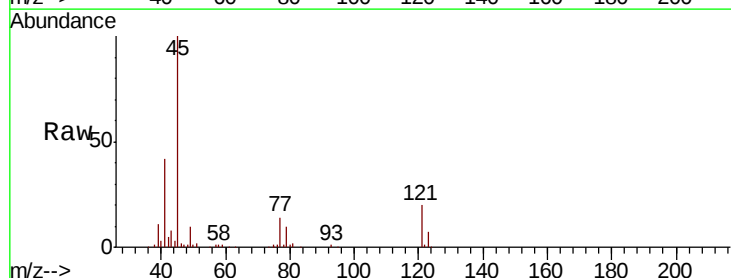
RT: 8.49 min Scan# 920

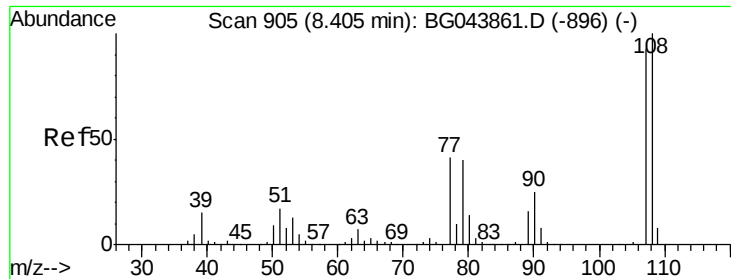
Delta R.T. -0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Tgt Ion:	45	Resp:	134112
Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.8
79	9.6	0.0	31.0





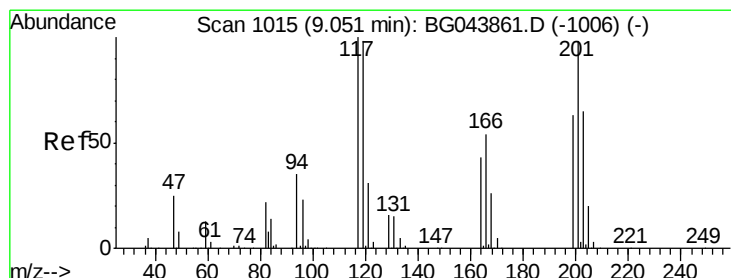
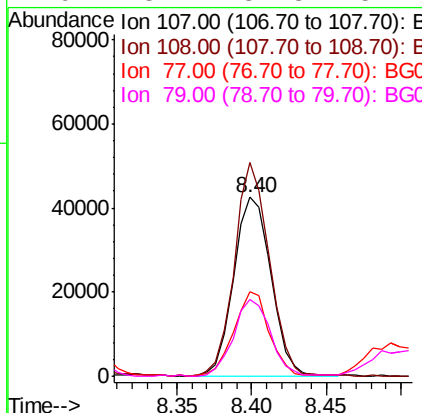
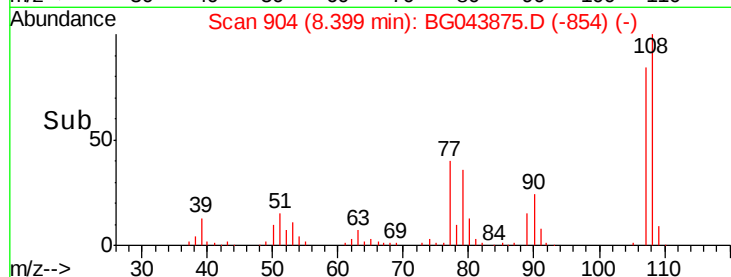
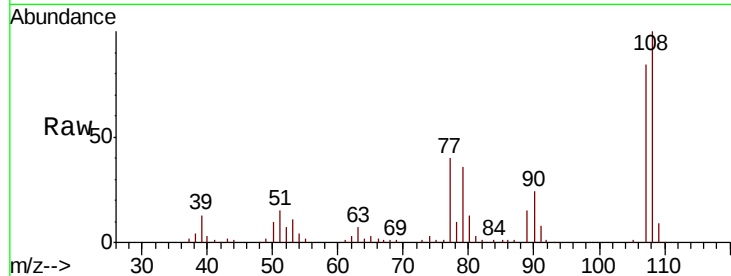
#17
2-Methylphenol
Concen: 10.492 ng
RT: 8.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	107	Resp	74347
Ion Ratio	Lower	Upper	
107	100		
108	119.6	86.1	129.1
77	47.5	35.4	53.0
79	43.1	34.8	52.2

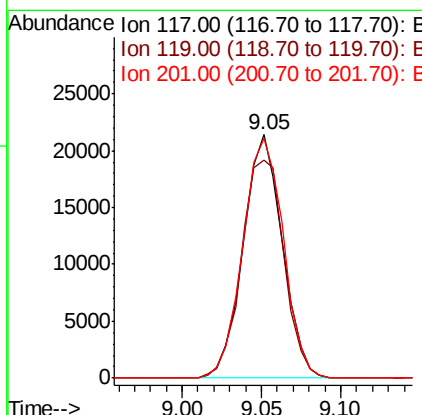
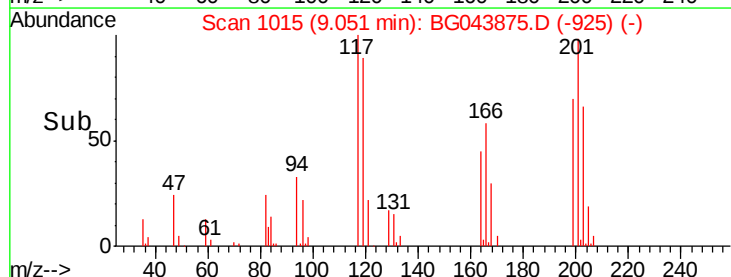
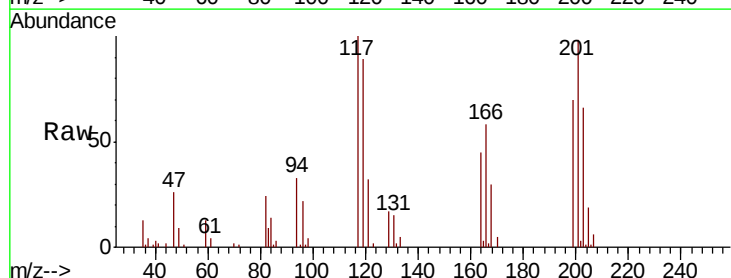
Manual Integrations
APPROVED

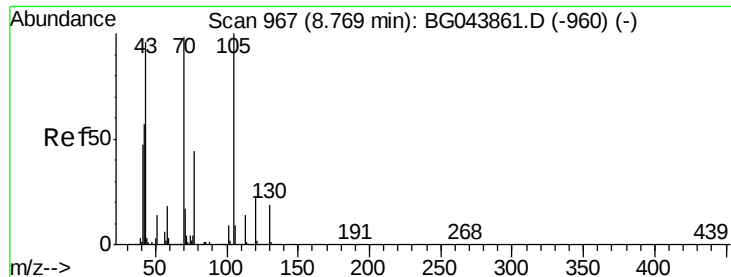
mohammad
1/3/2020 11:05:10 AM



#18
Hexachloroethane
Concen: 10.234 ng
RT: 9.05 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	117	Resp	36703
Ion Ratio	Lower	Upper	
117	100		
119	89.5	78.1	117.1
201	98.4	78.6	117.8





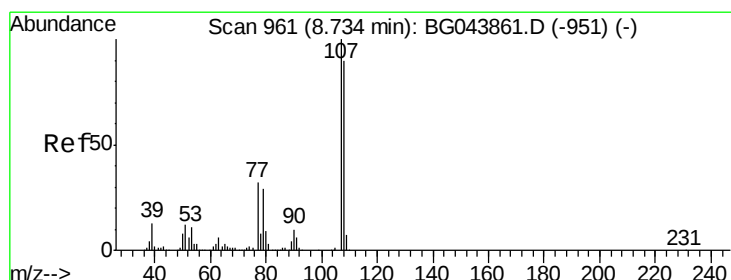
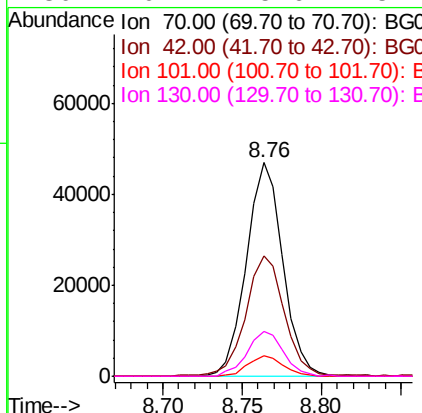
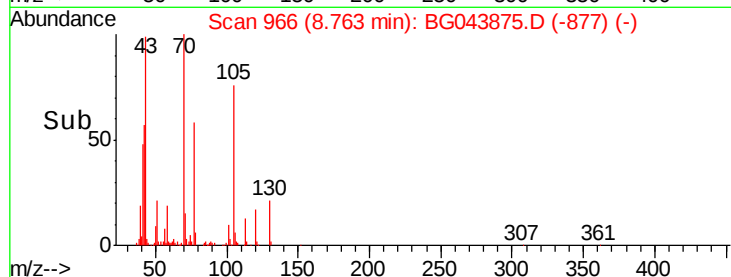
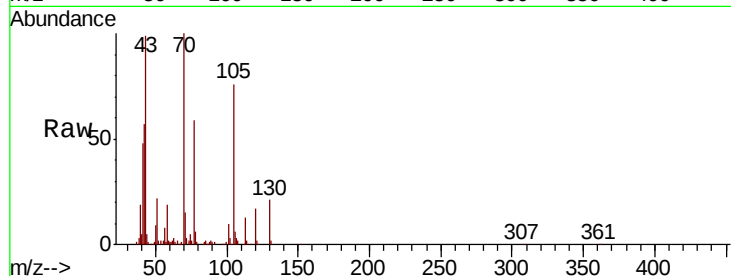
#19
n-Nitroso-di-n-propylamine
Concen: 10.571 ng
RT: 8.76 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	56.6	47.0	70.4	
101	9.8	7.2	10.8	
130	20.7	15.6	23.4	

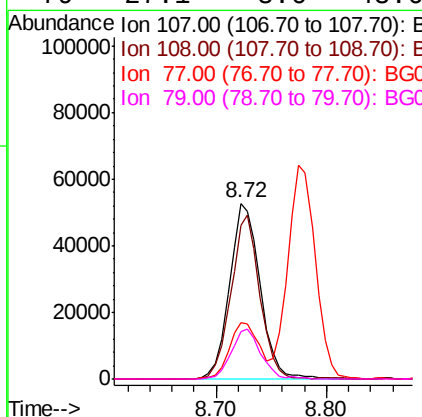
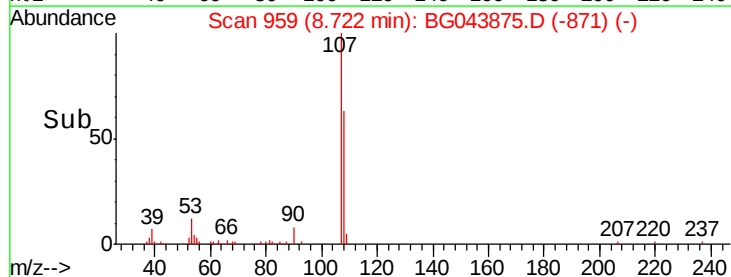
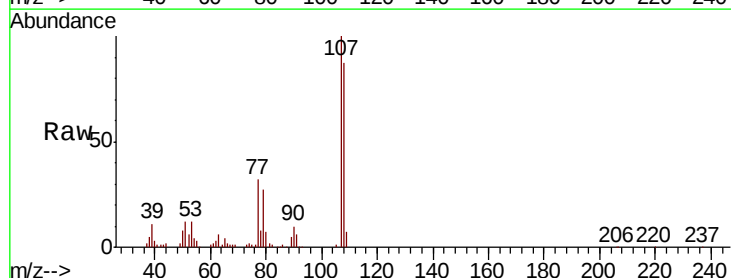
Manual Integrations
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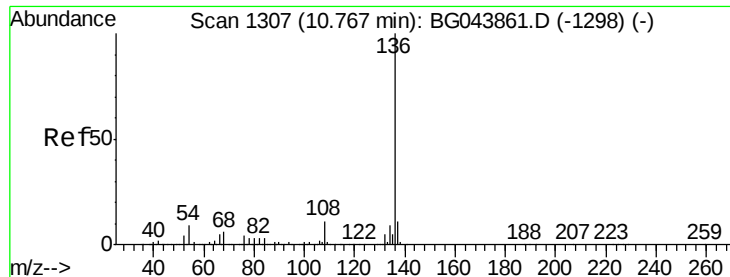
mohammad
1/3/2020 11:05:10 AM



#20
3+4-Methylphenols
Concen: 10.337 ng
RT: 8.72 min Scan# 959
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	87.1	70.3	110.3	
77	31.7	12.4	52.4	
79	27.1	8.6	48.6	





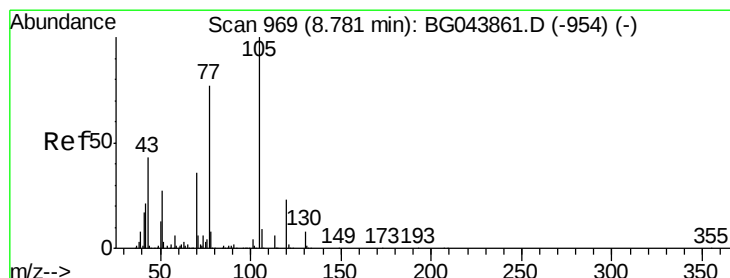
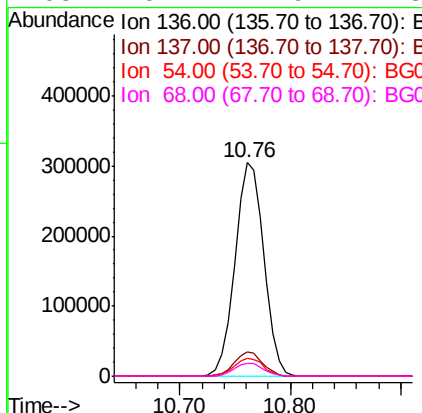
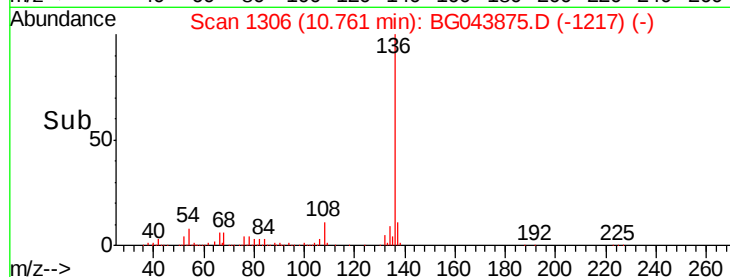
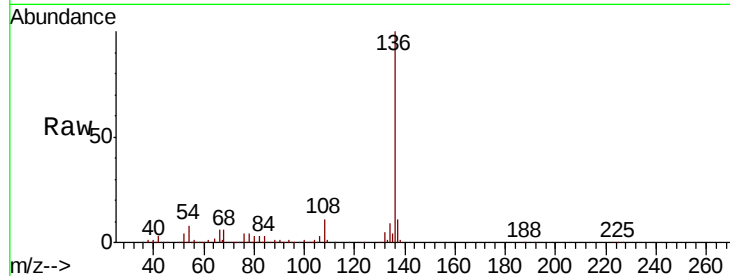
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
136	100	557767		
137	11.2		8.8	13.2
54	8.2		7.0	10.4
68	6.2		4.9	7.3

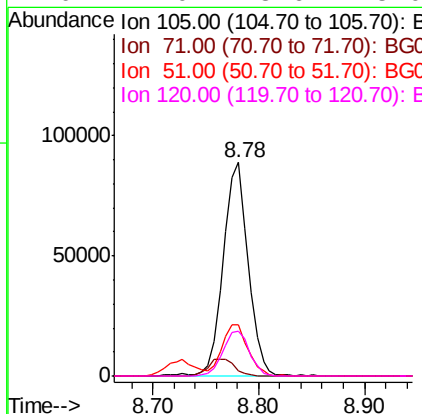
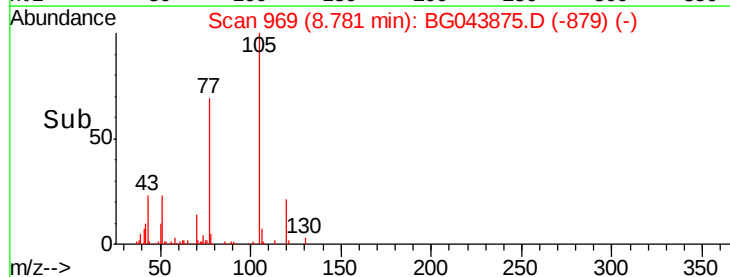
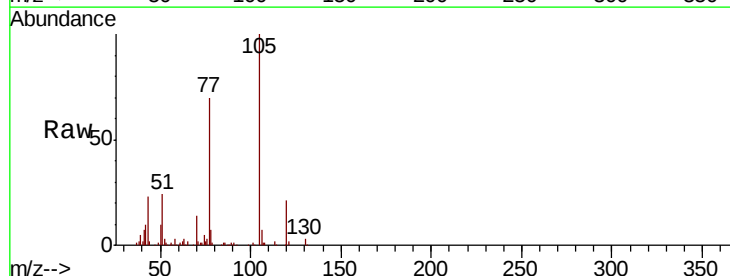
Manual Integrations
APPROVED

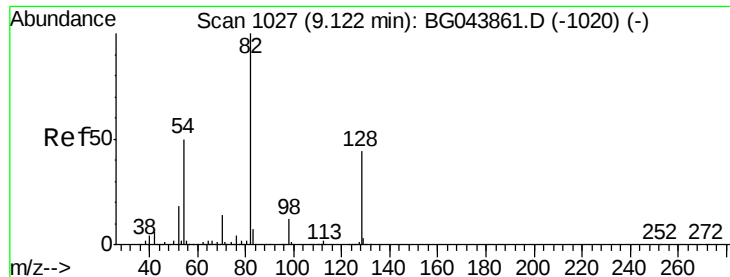
mohammad
1/3/2020 11:05:10 AM



#22
Acetophenone
Concen: 10.439 ng
RT: 8.78 min Scan# 969
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	144752		
71	2.5		4.8	7.2#
51	23.8		21.4	32.0
120	21.0		18.6	28.0





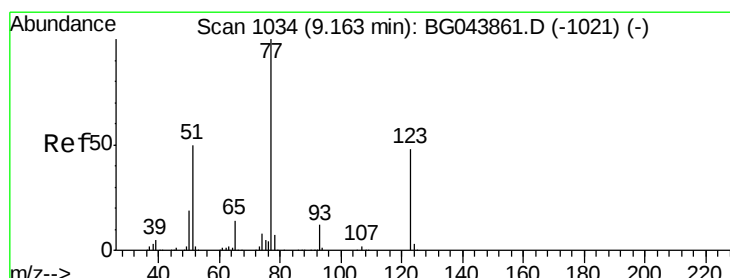
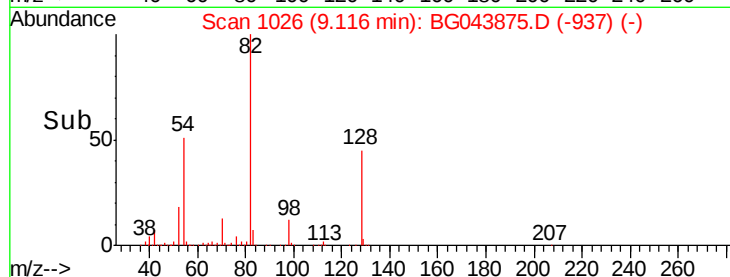
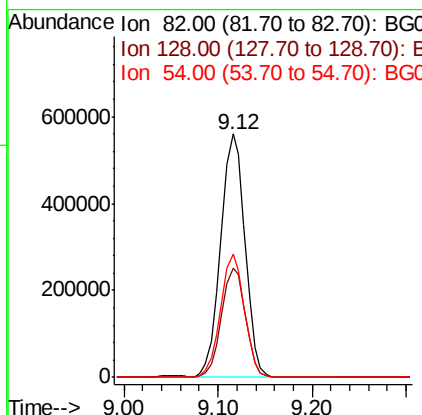
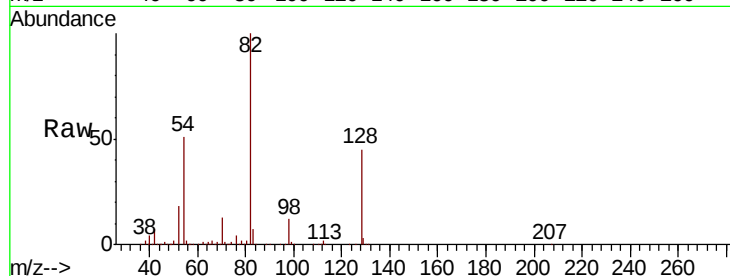
#23
Nitrobenzene-d5
Concen: 96.826 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.1	52.7
54	50.6	40.1	60.1

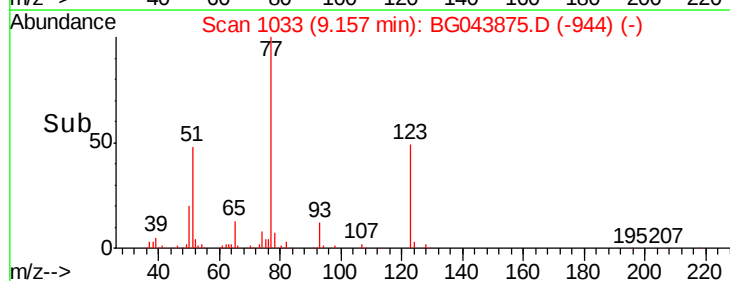
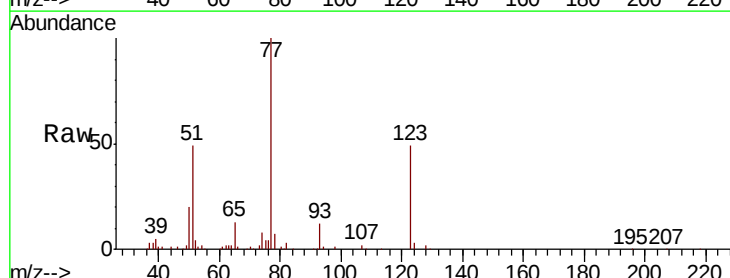
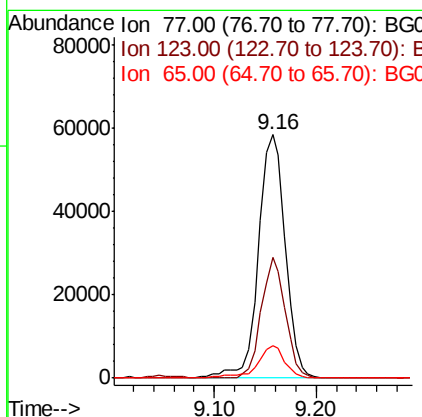
Manual Integrations
APPROVED

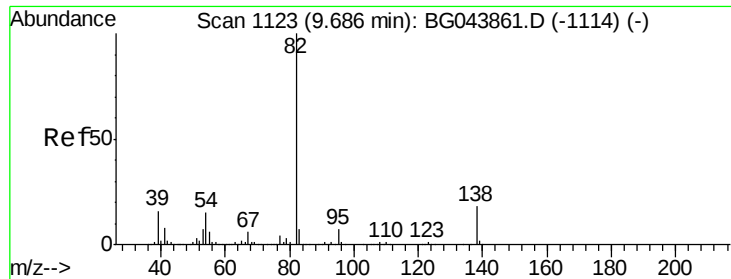
mohammad
1/3/2020 11:05:10 AM



#24
Nitrobenzene
Concen: 10.379 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.4	38.7	58.1
65	13.1	11.1	16.7





#25

Isophorone

Concen: 10.480 ng

RT: 9.68 min Scan# 1122

Delta R.T. -0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Instrument :

BNA_G

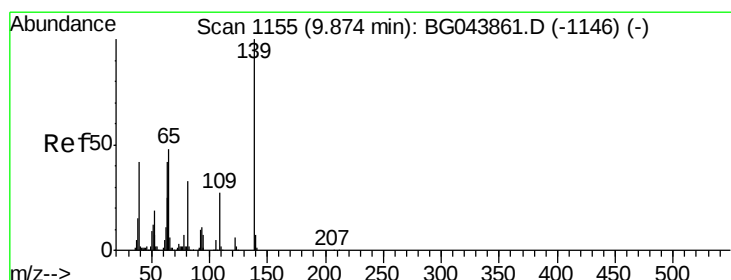
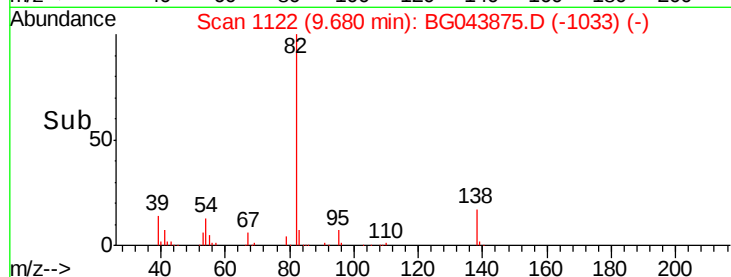
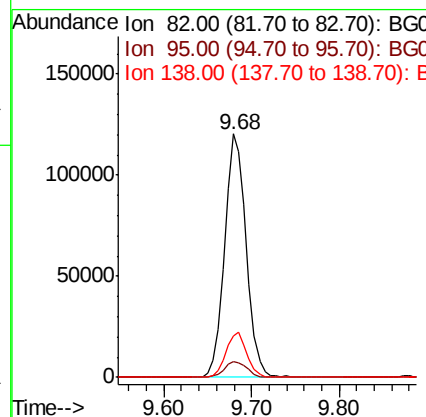
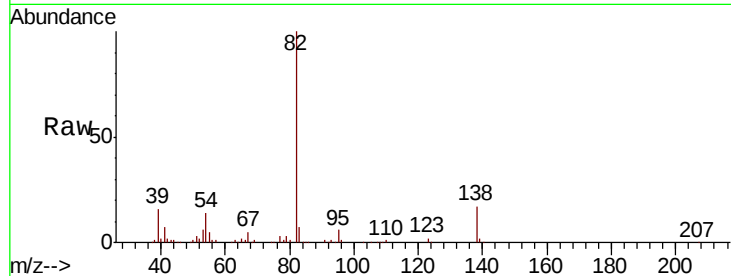
ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:	82	Resp:	204989
Ion	Ratio	Lower	Upper
82	100		
95	6.5	5.8	8.6
138	16.7	14.6	22.0

Manual Integrations
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#26

2-Nitrophenol

Concen: 8.712 ng

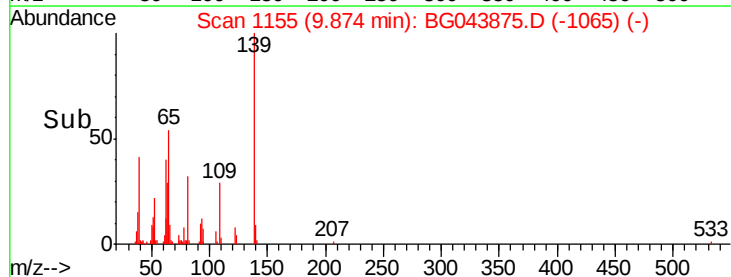
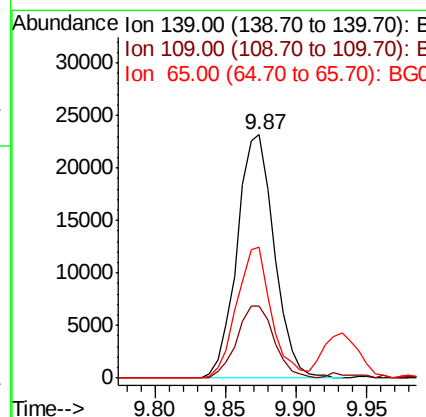
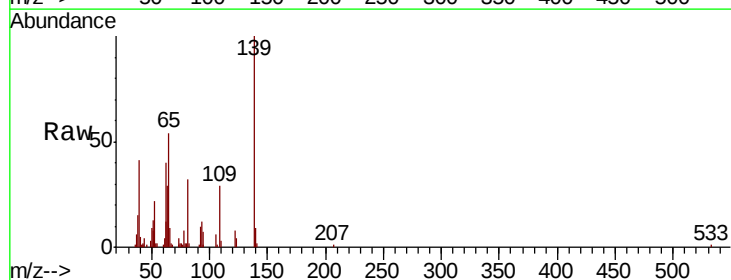
RT: 9.87 min Scan# 1155

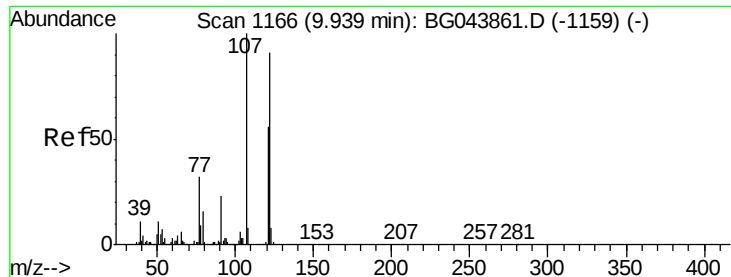
Delta R.T. -0.00 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Tgt Ion:	139	Resp:	42563
Ion	Ratio	Lower	Upper
139	100		
109	29.4	21.3	31.9
65	53.6	38.6	57.8





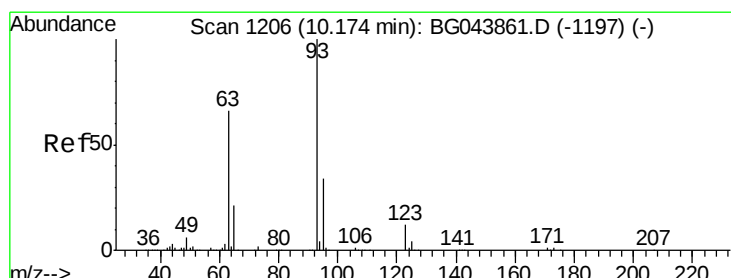
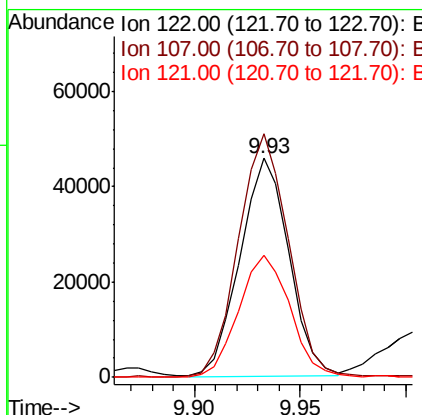
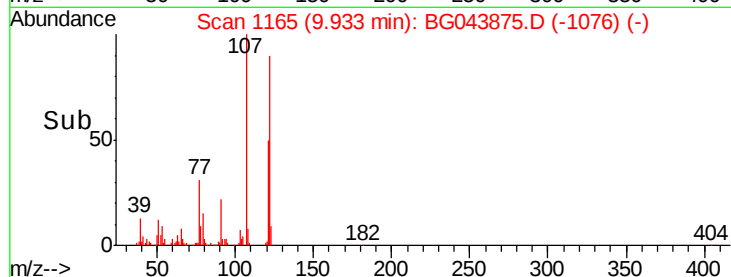
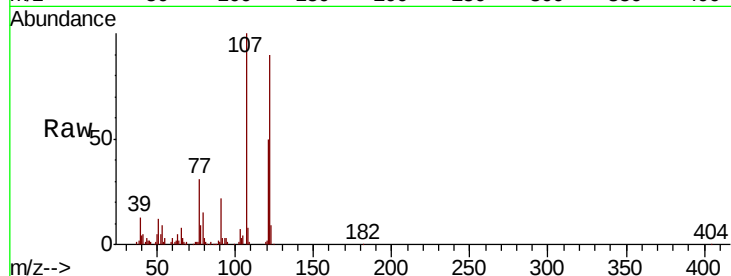
#27
2,4-Dimethylphenol
Concen: 9.980 ng
RT: 9.93 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
122	100		
107	111.1	88.0	132.0
121	55.8	49.0	73.4

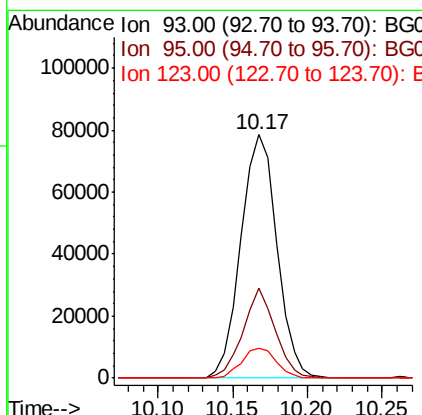
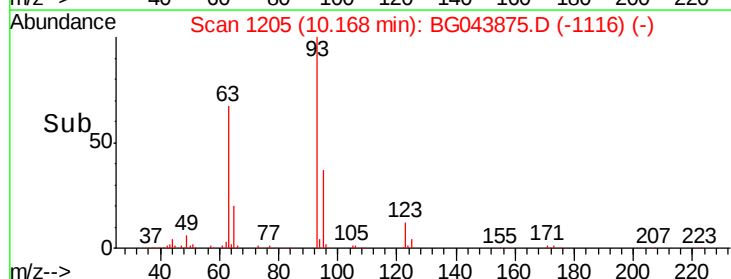
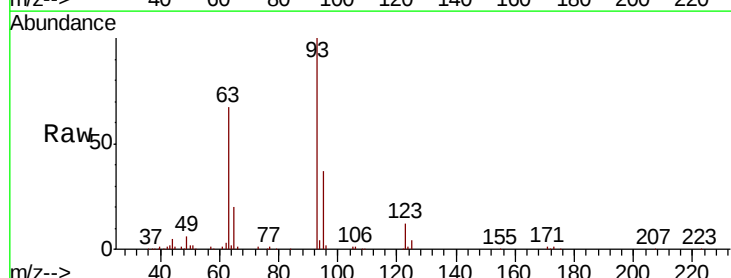
Manual Integrations
APPROVED

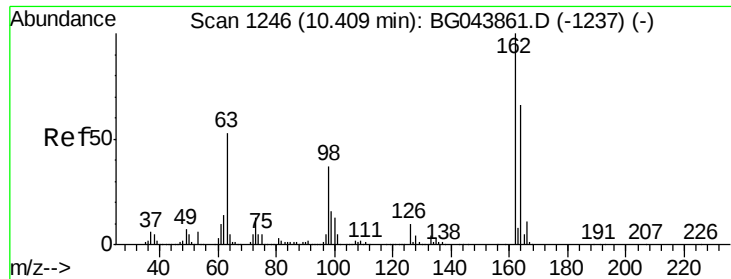
mohammad
1/3/2020 11:05:10 AM



#28
bis(2-Chloroethoxy)methane
Concen: 10.089 ng
RT: 10.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	36.9	27.2	40.8
123	12.5	9.7	14.5





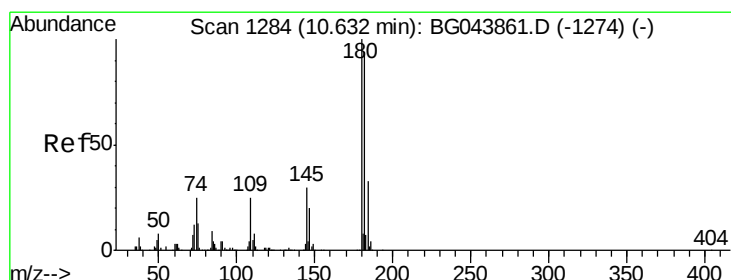
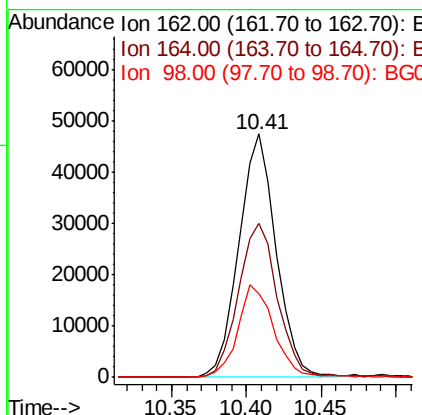
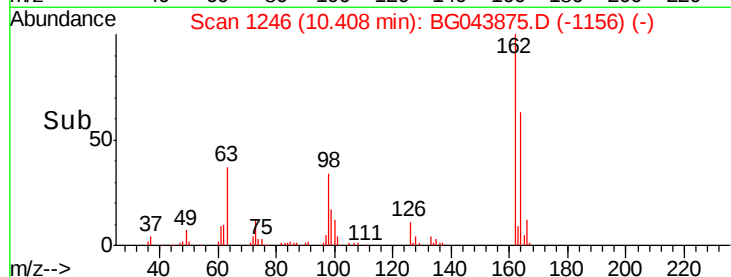
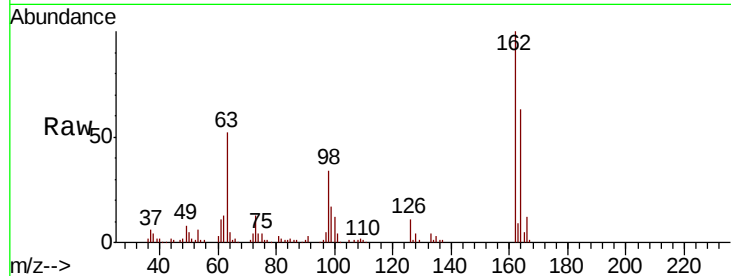
#29
 2,4-Dichlorophenol
 Concen: 9.366 ng
 RT: 10.41 min Scan# 1246
 Delta R.T. -0.00 min
 Lab File: BG043875.D
 Acq: 2 Jan 2020 15:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.1	46.3	86.3
98	34.3	17.3	57.3

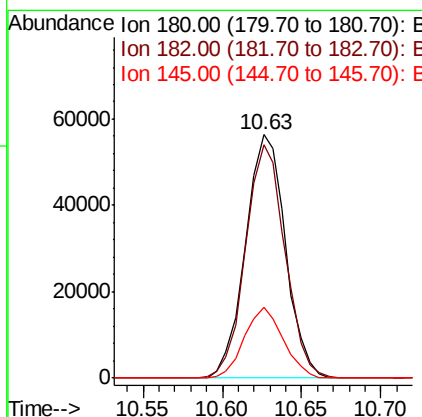
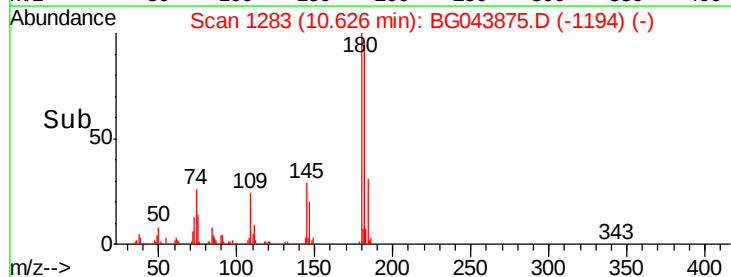
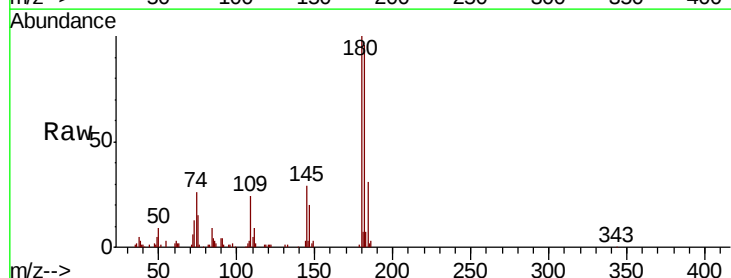
Manual Integrations
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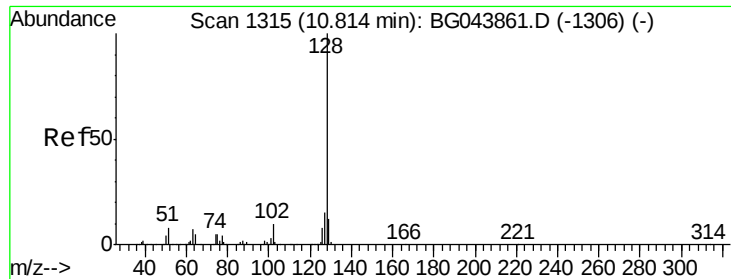
mohammad
 1/3/2020 11:05:10 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 10.057 ng
 RT: 10.63 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BG043875.D
 Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.0	112.4
145	29.2	24.2	36.4





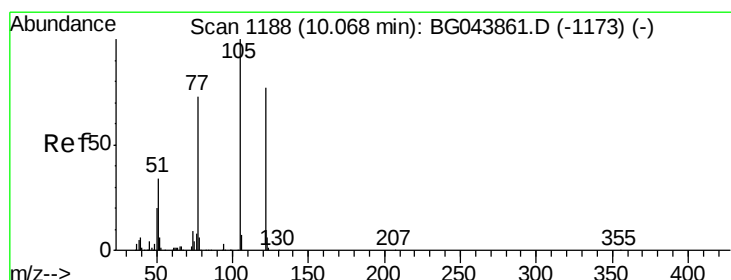
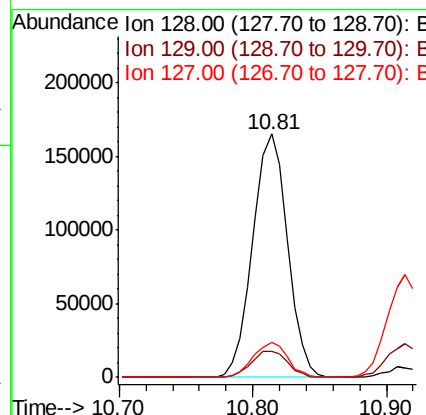
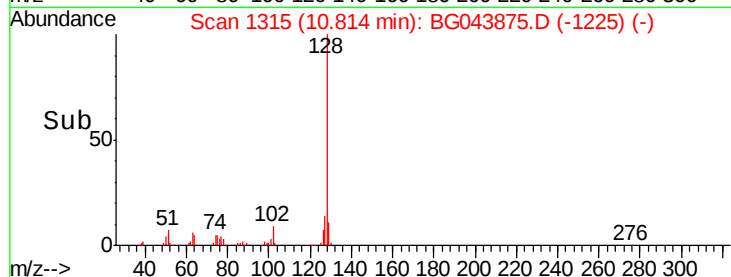
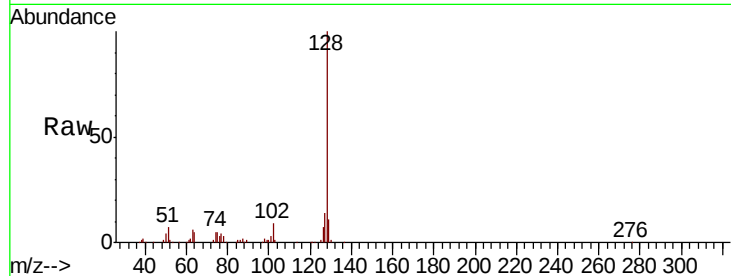
#31
Naphthalene
Concen: 11.019 ng
RT: 10.81 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.8	14.6
127	14.3	12.0	18.0

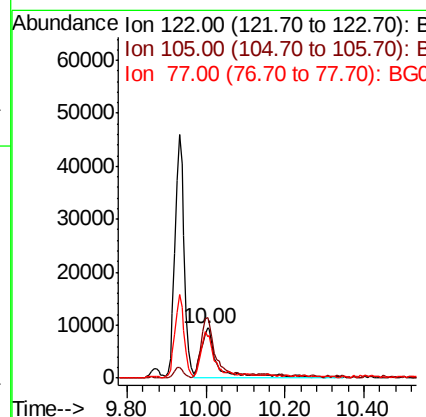
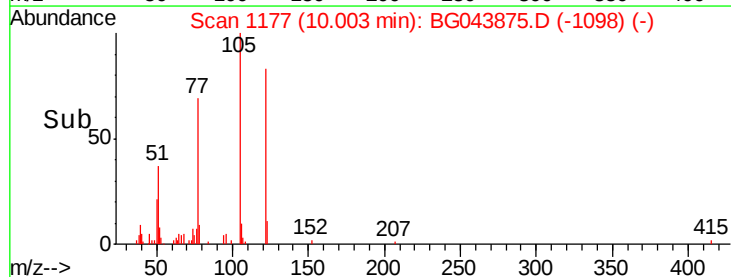
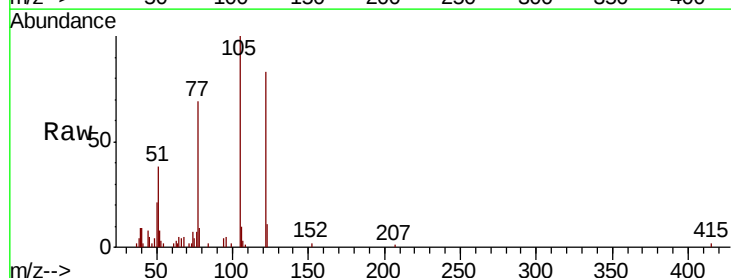
Manual Integrations
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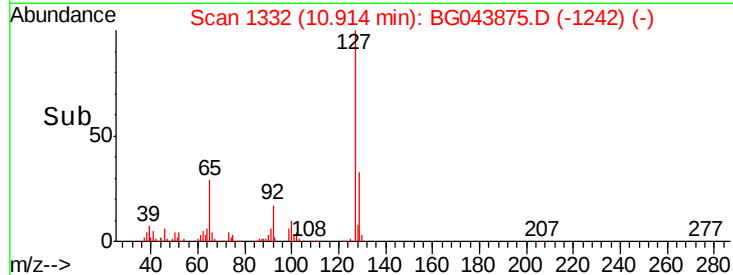
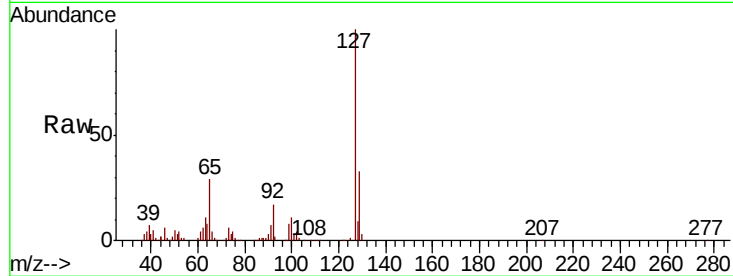
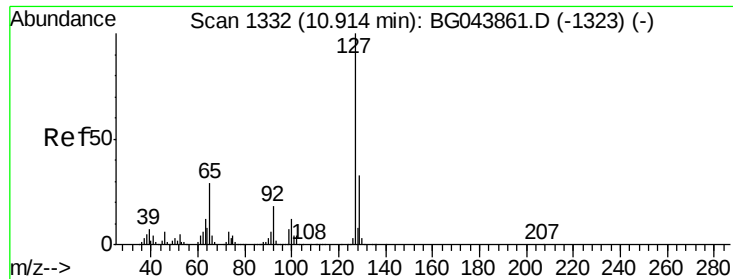
mohammad
1/3/2020 11:05:10 AM



#32
Benzoic acid
Concen: 5.400 ng m
RT: 10.00 min Scan# 1177
Delta R.T. -0.06 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.9	106.4	146.4
77	83.7	74.6	114.6





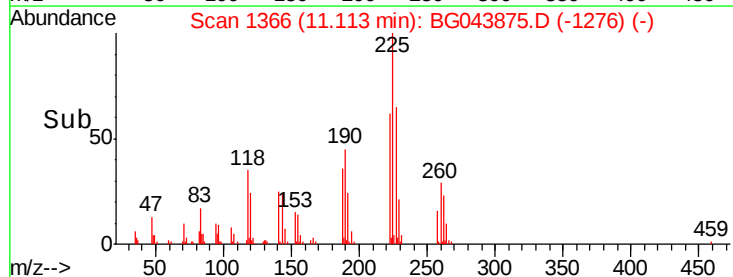
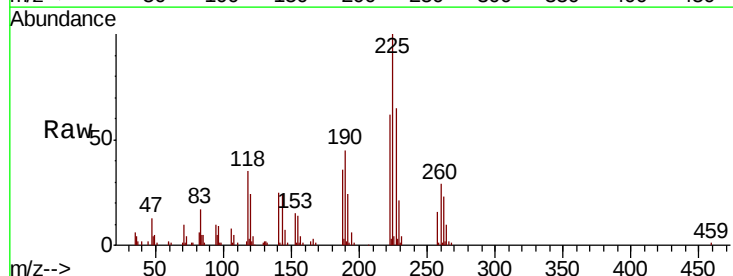
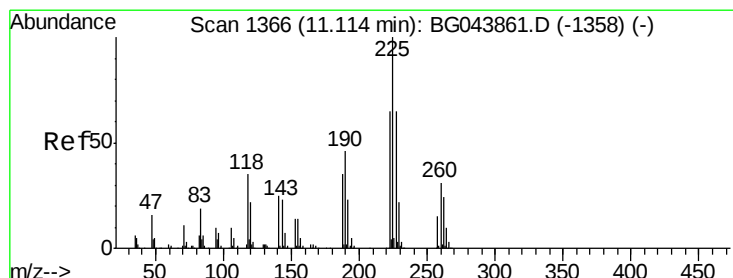
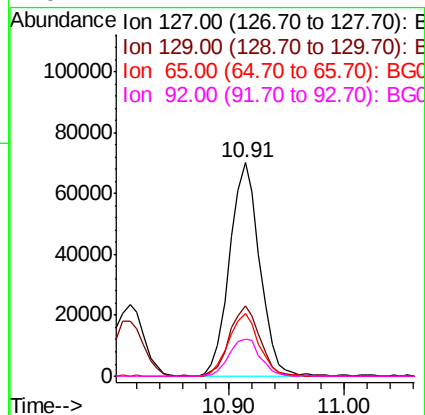
#33
4-Chloroaniline
Concen: 9.871 ng
RT: 10.91 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
127	100		
129	33.2	26.6	40.0
65	29.3	23.3	34.9
92	17.1	14.7	22.1

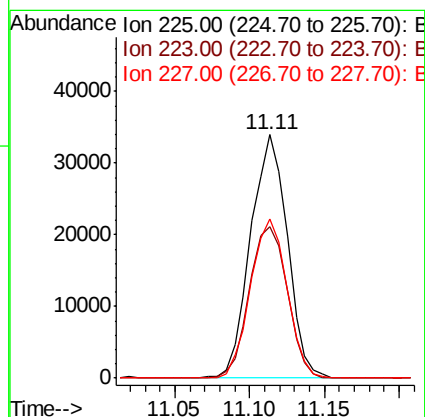
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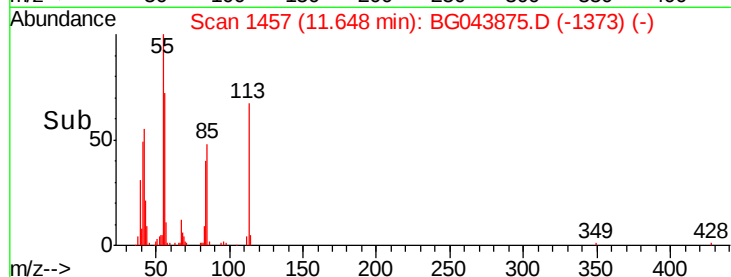
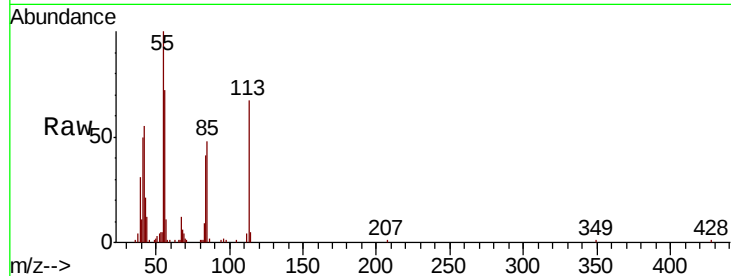
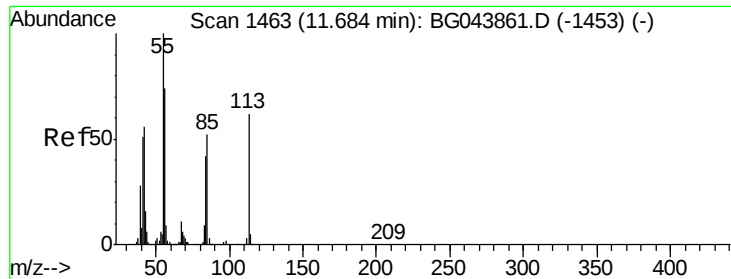
mohammad
1/3/2020 11:05:10 AM



#34
Hexachlorobutadiene
Concen: 9.593 ng
RT: 11.11 min Scan# 1366
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	52.2	78.4
227	65.1	52.1	78.1





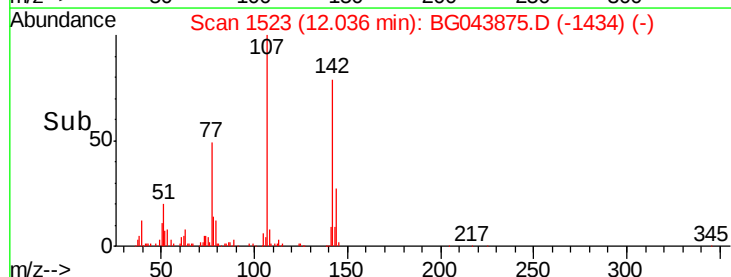
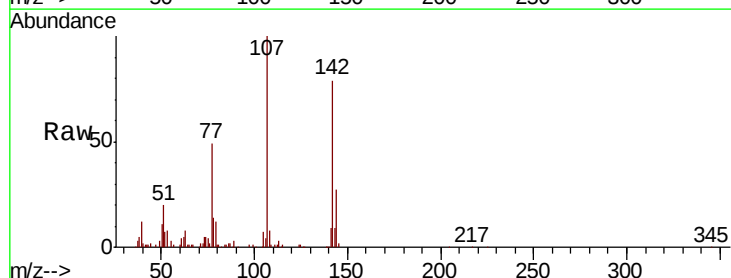
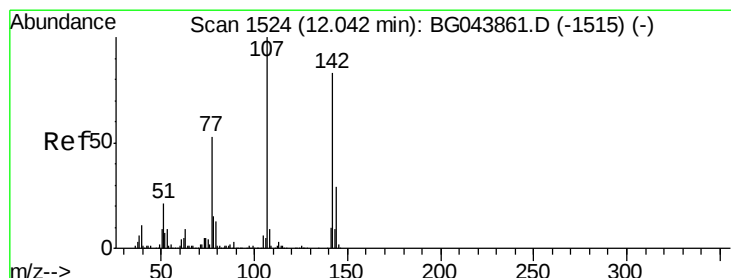
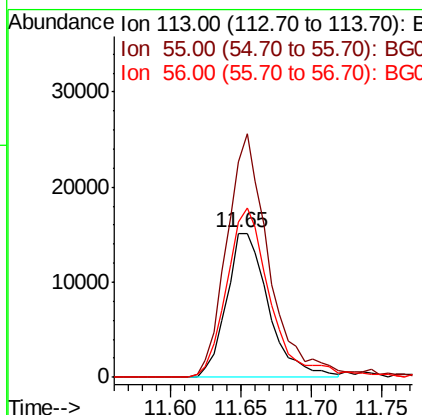
#35
Caprolactam
Concen: 9.640 ng
RT: 11.65 min Scan# 1457
Delta R.T. -0.04 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tot Ion	Ratio	Lower	Upper
113	100		
55	149.9	142.5	182.5
56	107.7	101.4	141.4

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

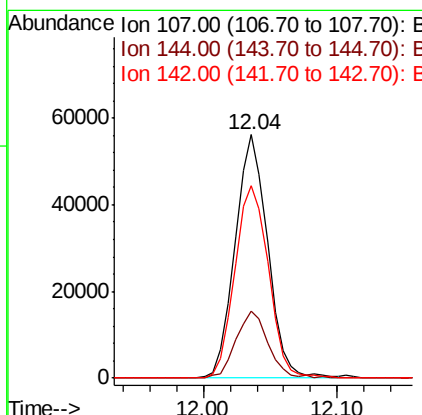
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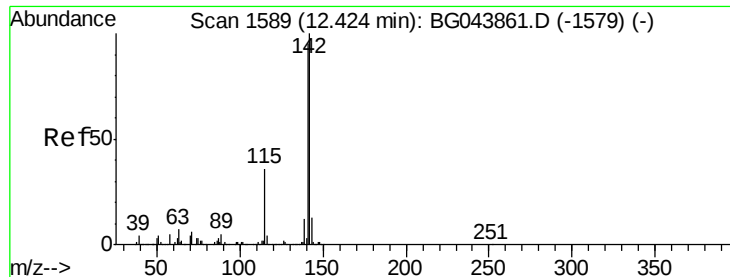
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#36
4-Chloro-3-methylphenol
Concen: 10.169 ng
RT: 12.04 min Scan# 1523
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.4	23.4	35.2
142	79.3	66.3	99.5





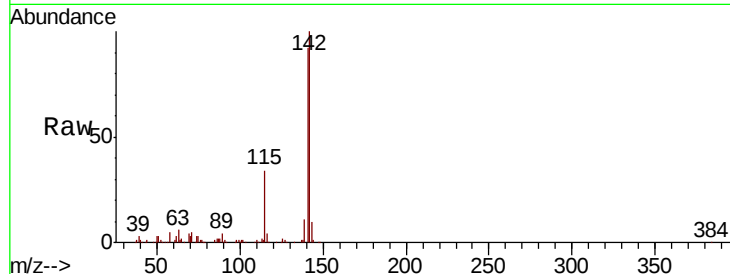
#37
2-Methylnaphthalene
Concen: 11.193 ng
RT: 12.42 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.1	75.8	113.8
115	33.8	28.6	42.8

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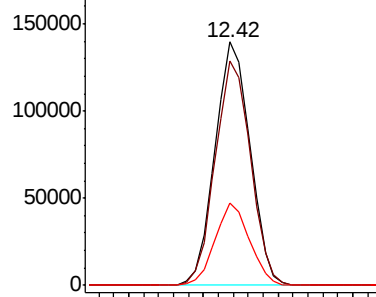


Abundance

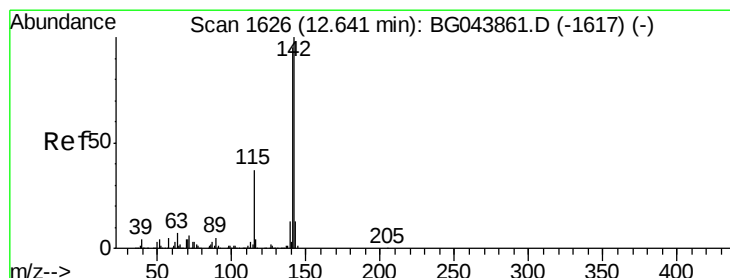
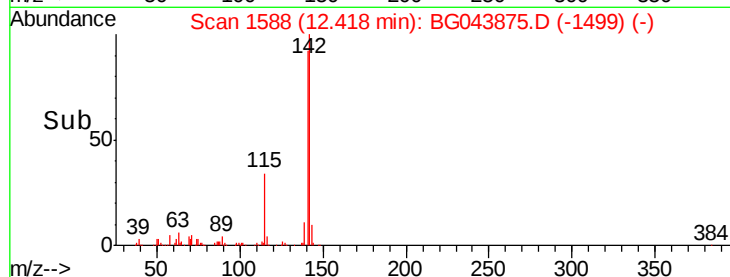
Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

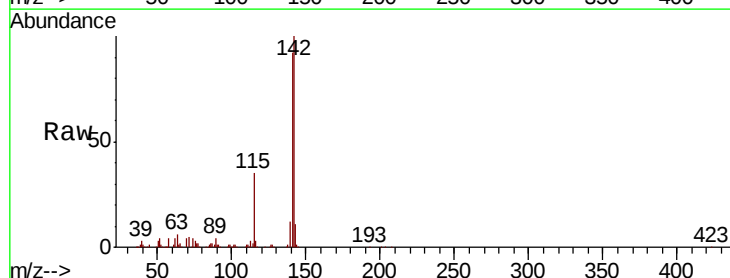


Time-->



#38
1-Methylnaphthalene
Concen: 11.183 ng
RT: 12.64 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	76.0	114.0
116	3.3	3.1	4.7

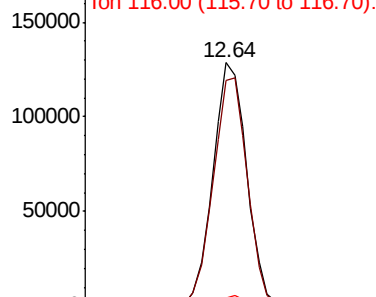


Abundance

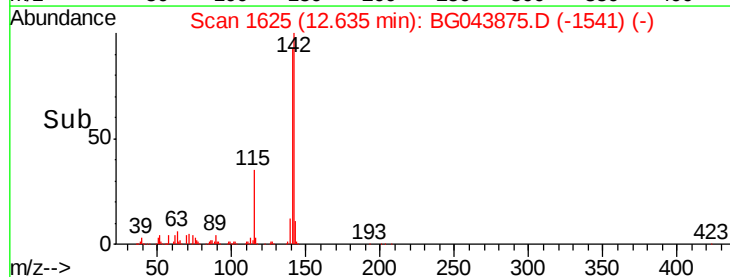
Ion 142.00 (141.70 to 142.70): E

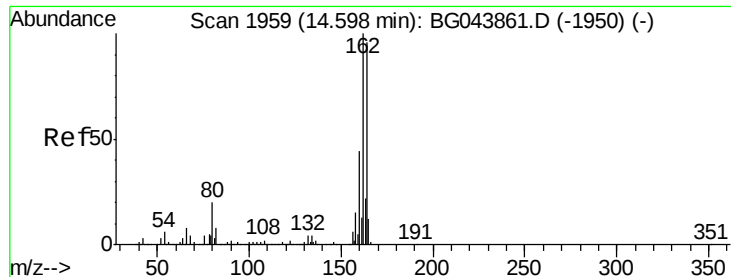
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



Time-->





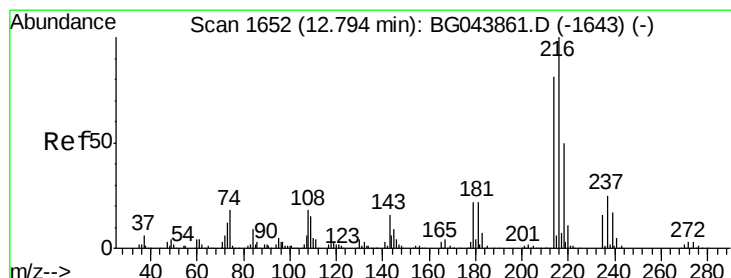
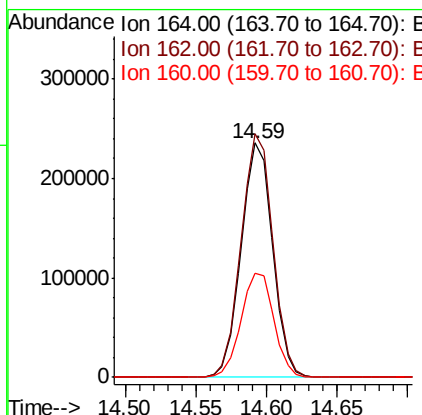
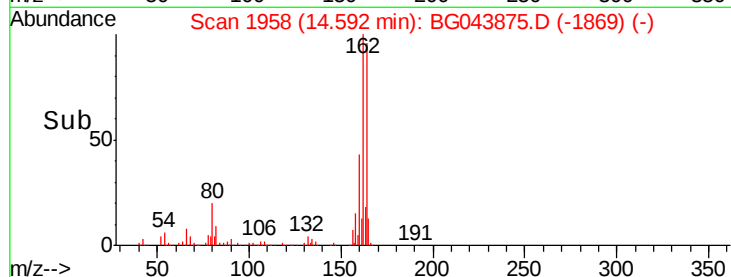
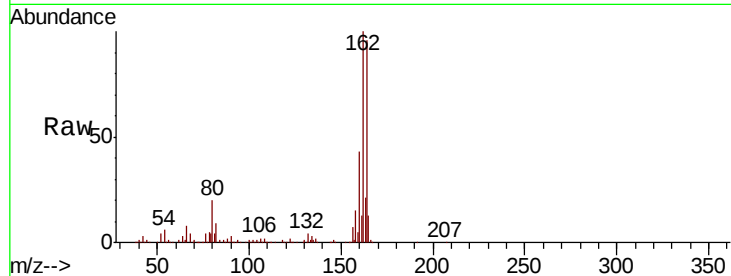
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.0	124.4
160	44.4	36.1	54.1

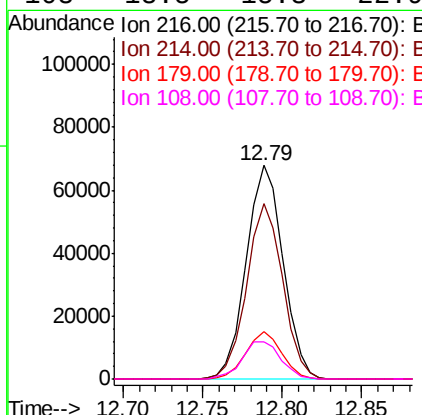
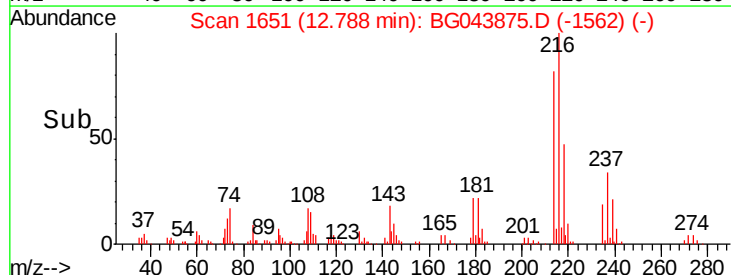
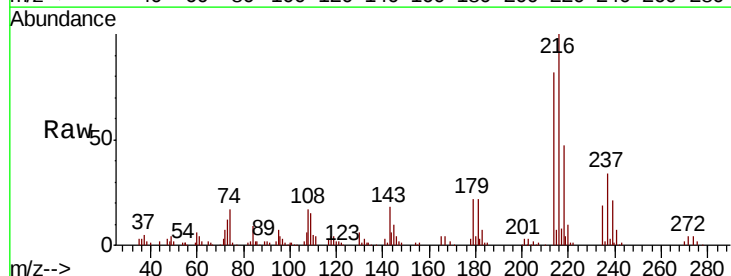
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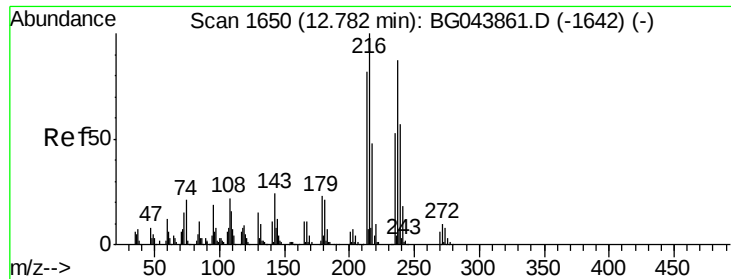
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.160 ng
RT: 12.79 min Scan# 1651
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.3	63.8	95.8
179	21.6	17.3	25.9
108	18.5	15.3	22.9





#41

Hexachlorocyclopentadiene

Concen: 9.898 ng

RT: 12.78 min Scan# 1649

Delta R.T. -0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Instrument :

BNA_G

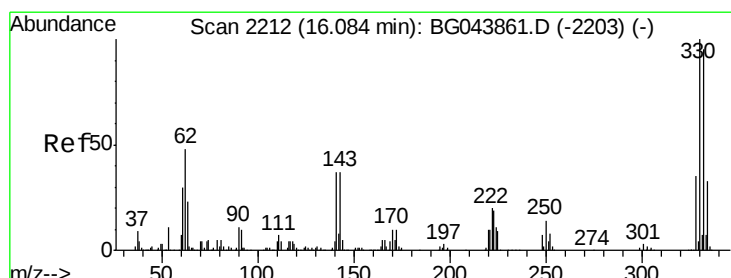
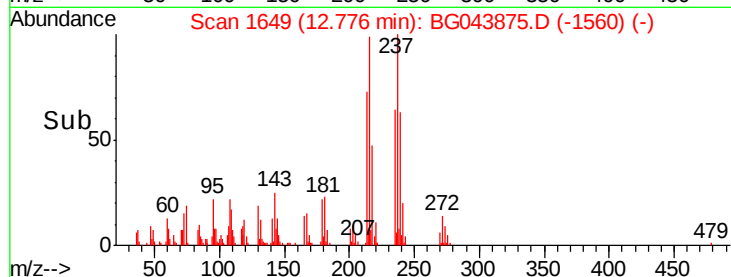
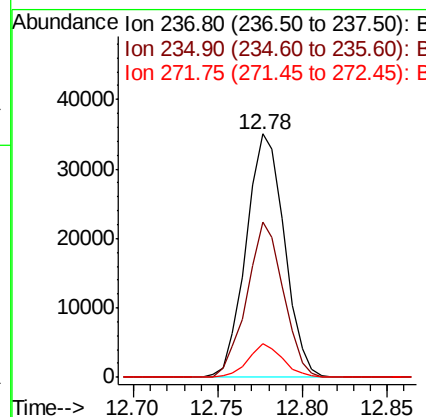
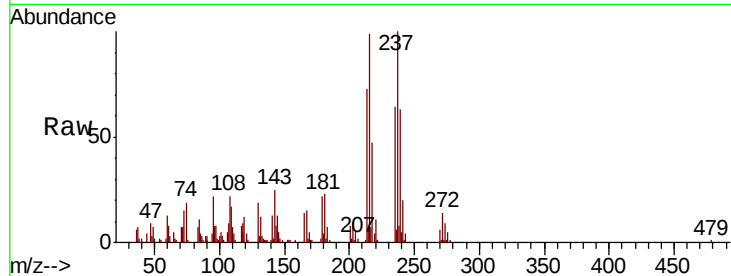
ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:	237	Resp:	55316
Ion Ratio	Lower	Upper	
237	100		
235	63.6	41.1	81.1
272	13.9	0.0	31.7

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#42

2,4,6-Tribromophenol

Concen: 146.762 ng

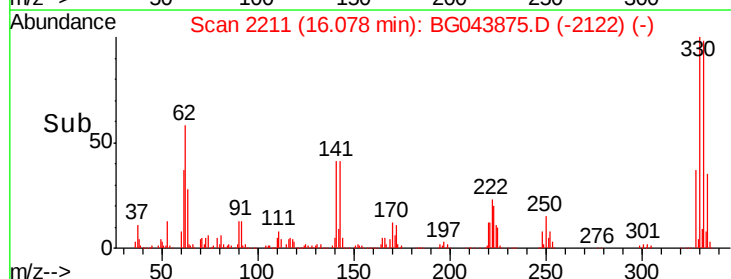
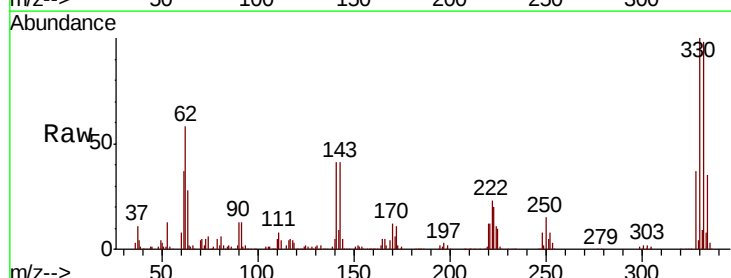
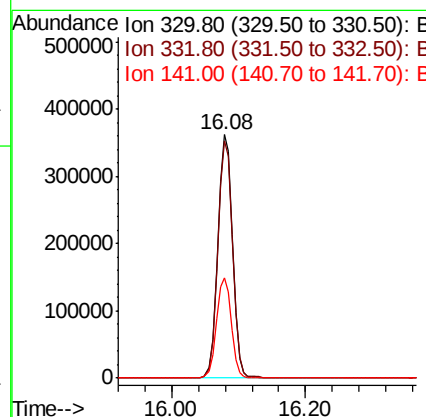
RT: 16.08 min Scan# 2211

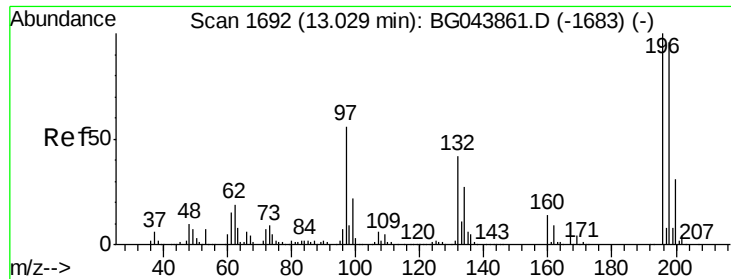
Delta R.T. -0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Tgt Ion:	330	Resp:	564825
Ion Ratio	Lower	Upper	
330	100		
332	97.8	77.2	115.8
141	41.5	33.1	49.7





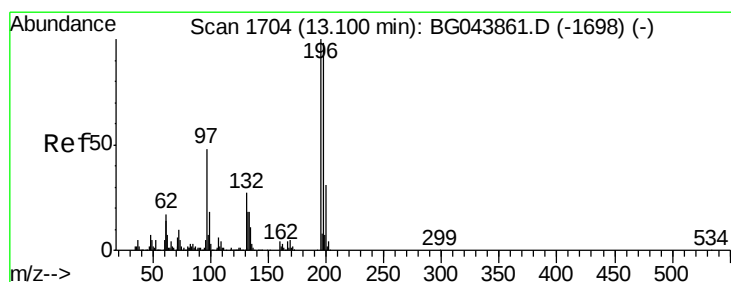
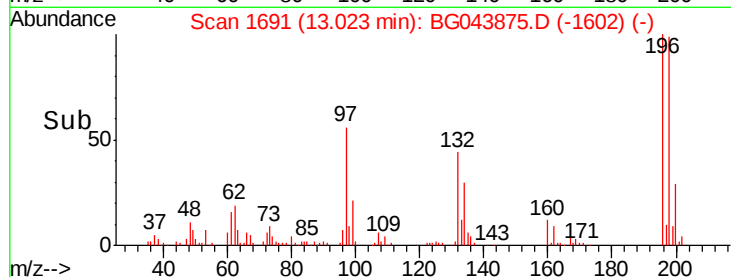
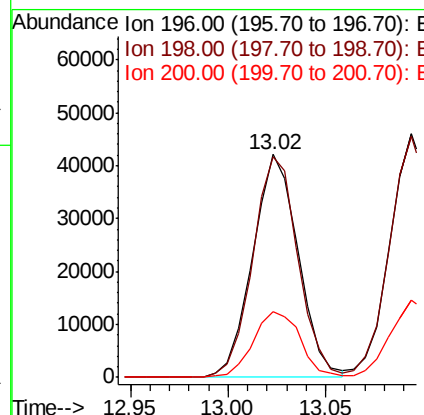
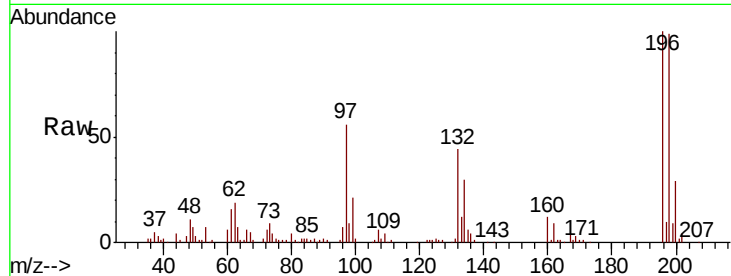
#43
 2,4,6-Trichlorophenol
 Concen: 9.165 ng
 RT: 13.02 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BG043875.D
 Acq: 2 Jan 2020 15:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
196	100		
198	98.9	76.6	115.0
200	29.4	24.6	37.0

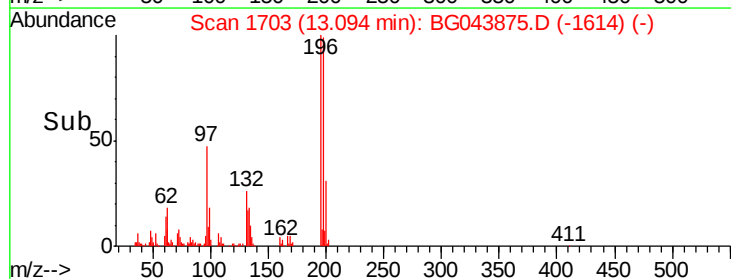
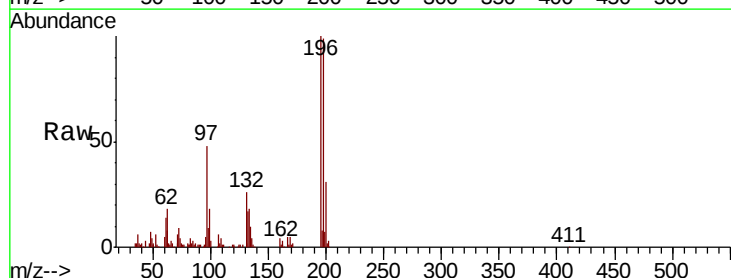
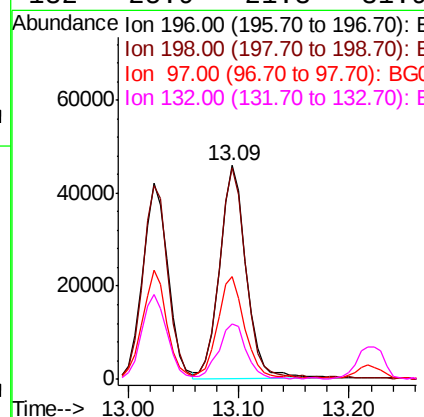
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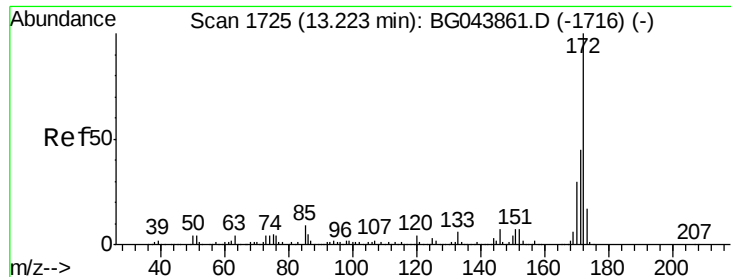
mohammad
 1/3/2020 11:05:10 AM



#44
 2,4,5-Trichlorophenol
 Concen: 9.960 ng
 RT: 13.09 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG043875.D
 Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.0	78.3	117.5
97	47.7	38.8	58.2
132	25.9	21.3	31.9





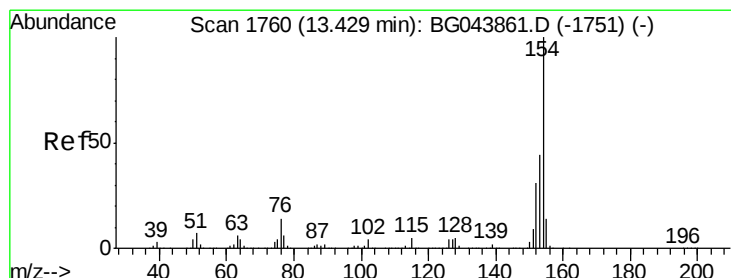
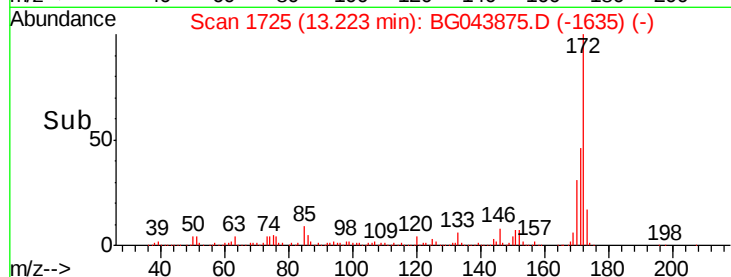
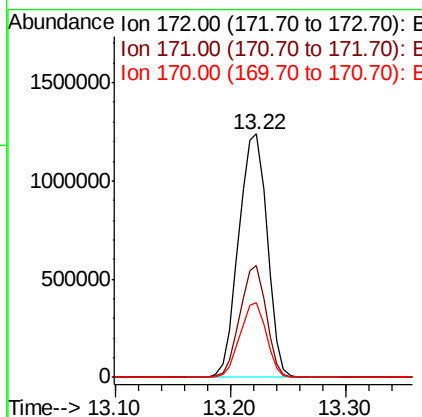
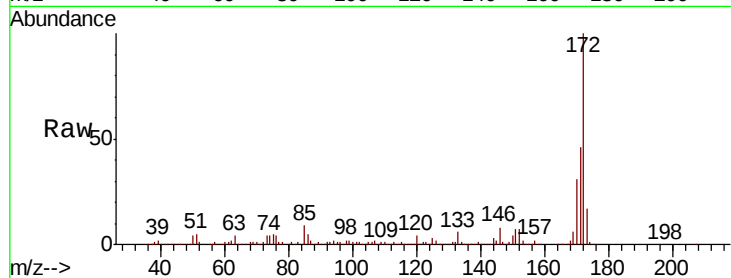
#45
2-Fluorobiphenyl
Concen: 104.426 ng
RT: 13.22 min Scan# 1725
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	45.8	35.8	53.8
170	30.9	24.2	36.4

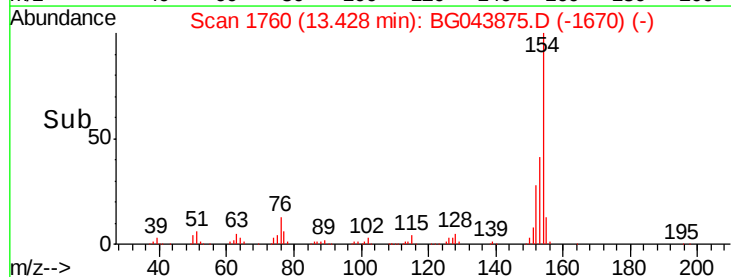
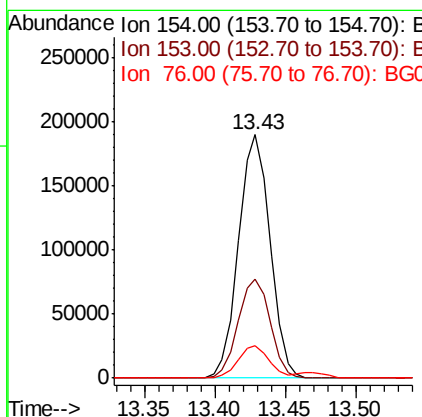
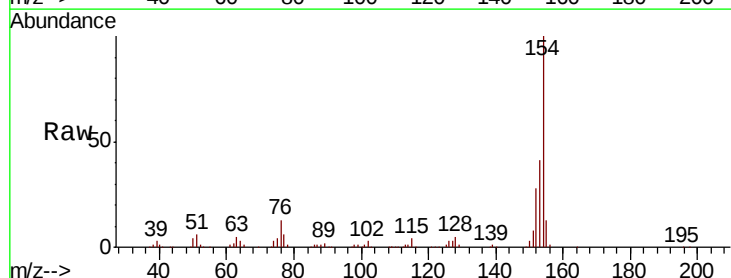
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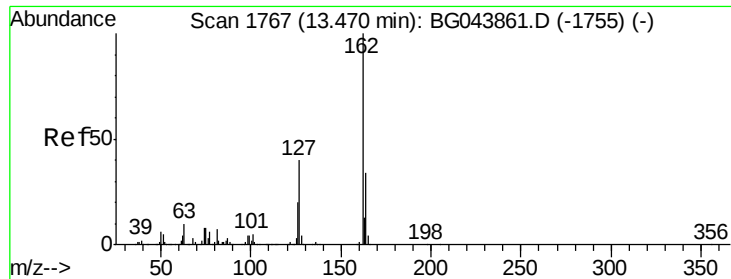
mohammad
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#46
1,1'-Biphenyl
Concen: 11.225 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	23.6	63.6
76	13.4	0.0	34.4





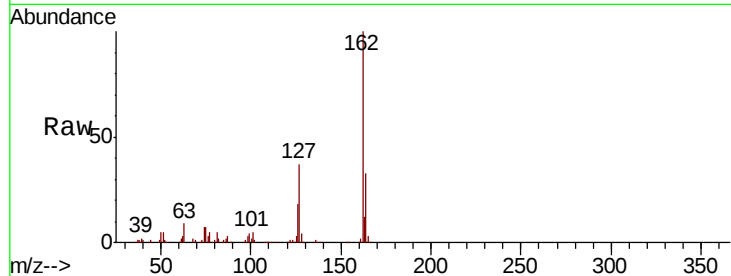
#47
2-Chloronaphthalene
Concen: 10.403 ng
RT: 13.47 min Scan# 1767
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

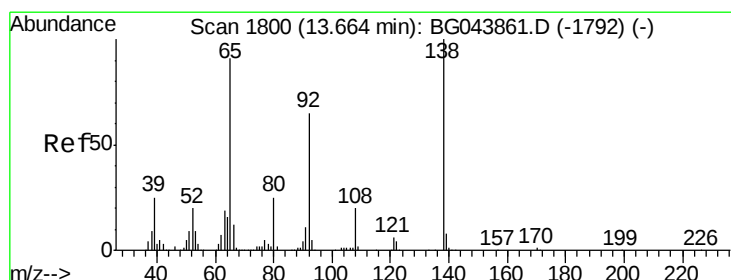
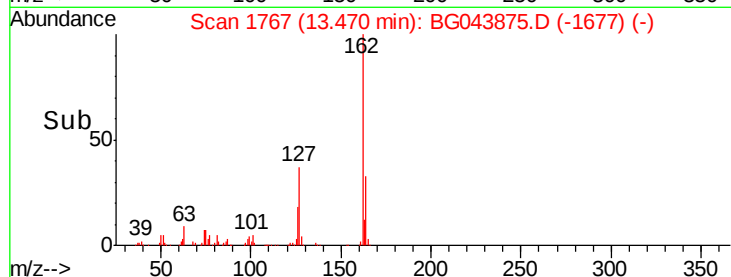
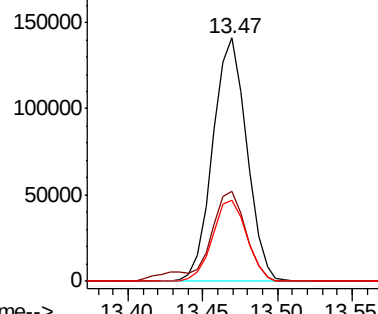
Tot Ion	Ratio	Resp	Lower	Upper
162	100	221662		
127	36.8		32.1	48.1
164	33.0		27.5	41.3

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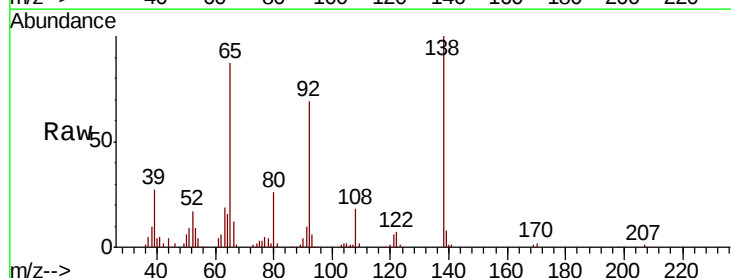


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

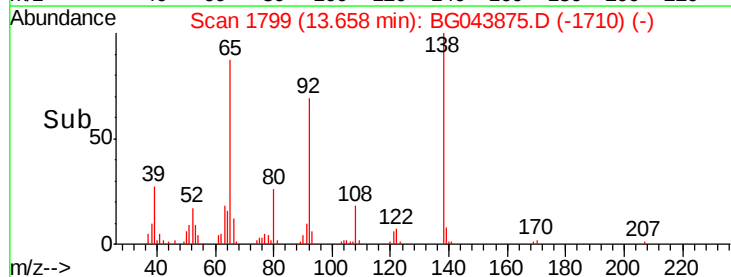
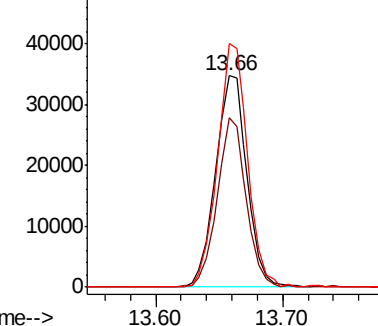


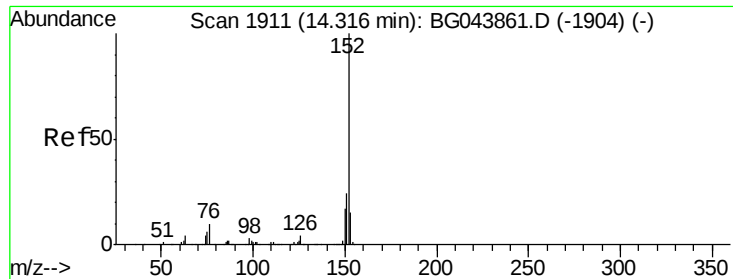
#48
2-Nitroaniline
Concen: 8.683 ng
RT: 13.66 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	59510		
92	80.1		57.4	86.2
138	115.4		88.2	132.4



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





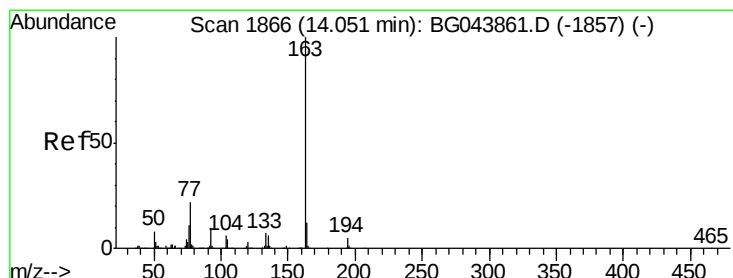
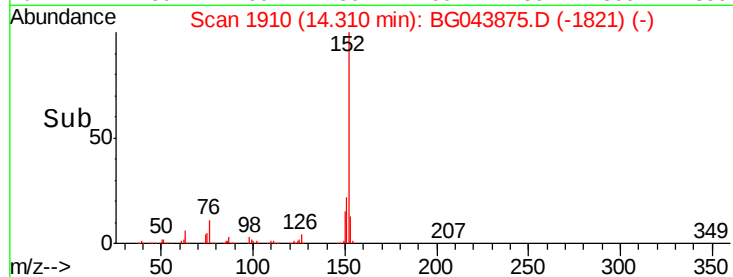
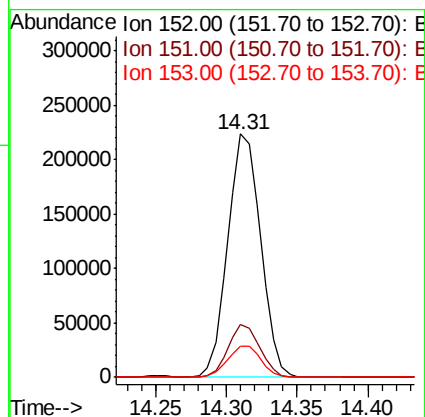
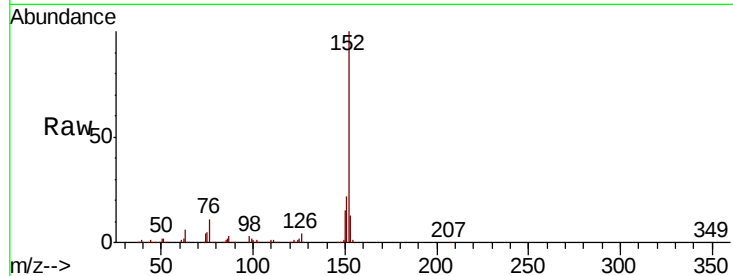
#49
Acenaphthylene
Concen: 11.890 ng
RT: 14.31 min Scan# 1910
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
152	100	364121		
151	21.7		19.4	29.2
153	13.0		12.0	18.0

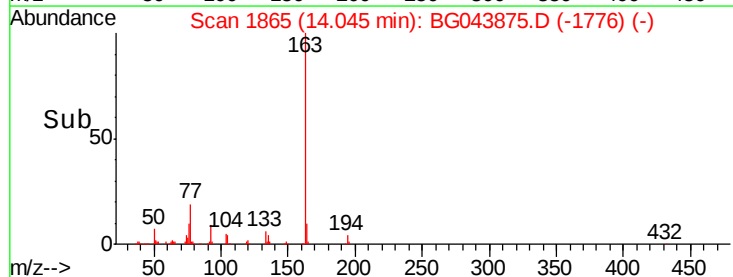
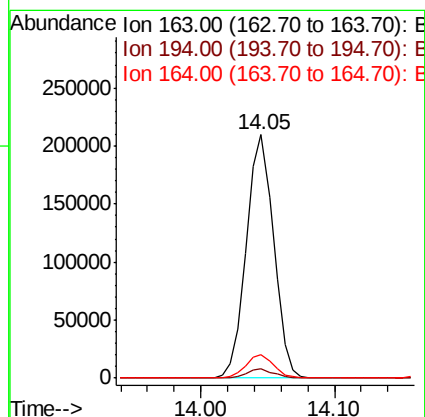
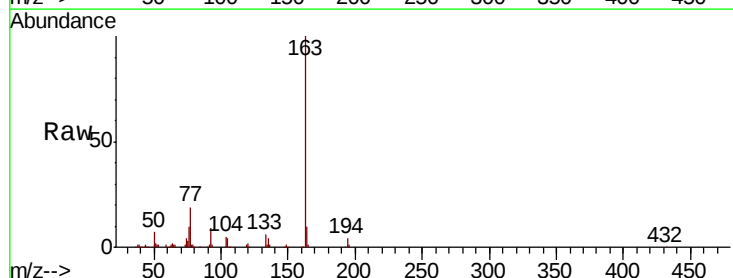
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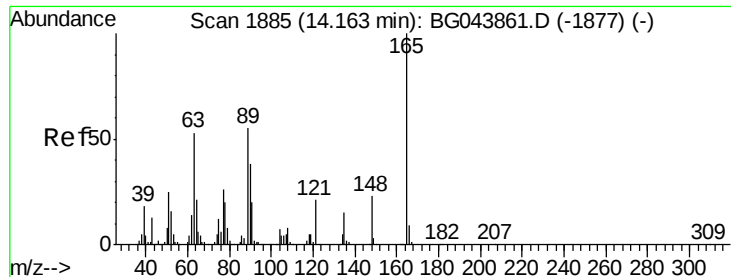
mohammad
1/3/2020 11:05:10 AM



#50
Dimethylphthalate
Concen: 11.294 ng
RT: 14.05 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	294916		
194	3.8		3.7	5.5
164	9.9		9.3	13.9





#51

2,6-Dinitrotoluene

Concen: 10.350 ng

RT: 14.16 min Scan# 1884

Delta R.T. -0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Instrument :

BNA_G

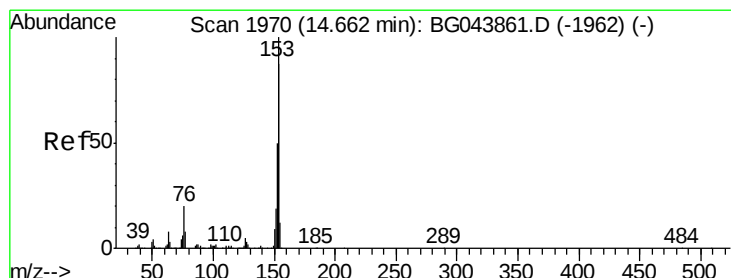
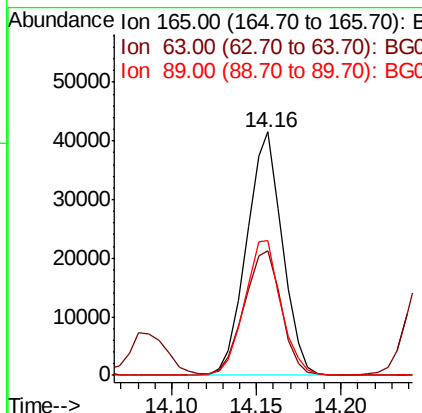
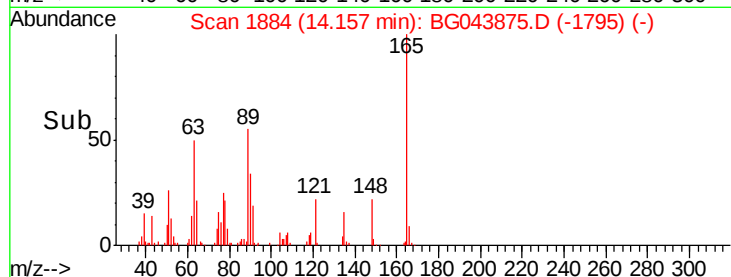
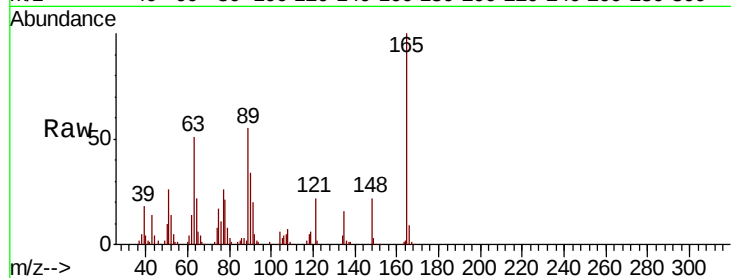
ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:	165	Resp:	61084
Ion Ratio	Lower	Upper	
165	100		
63	51.0	43.1	64.7
89	55.2	43.8	65.6

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#52

Acenaphthene

Concen: 10.343 ng

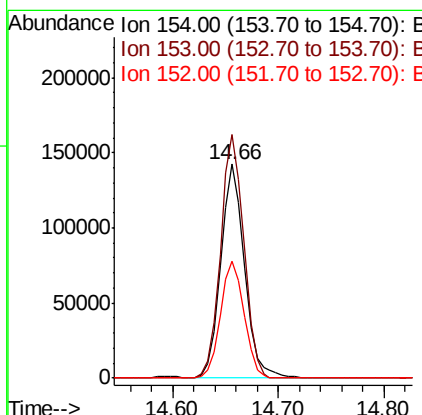
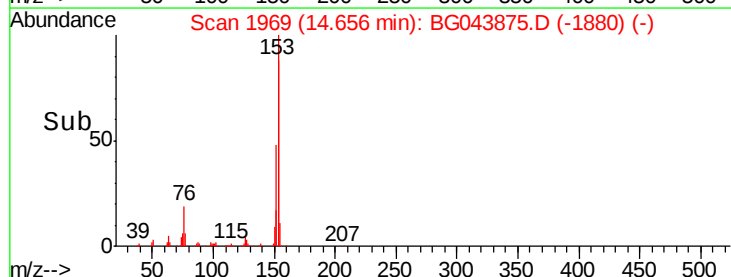
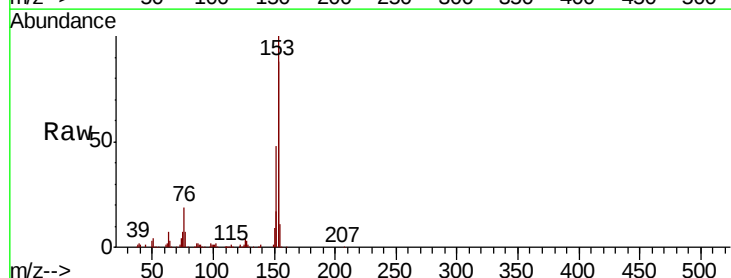
RT: 14.66 min Scan# 1969

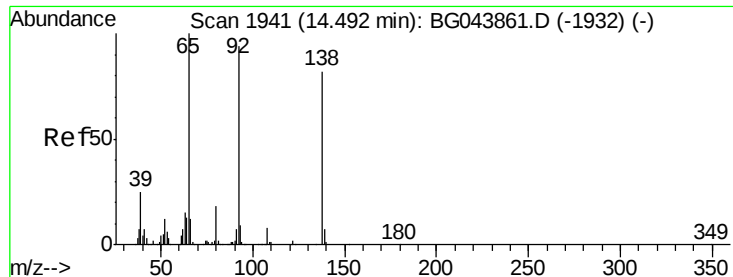
Delta R.T. -0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Tgt Ion:	154	Resp:	222129
Ion Ratio	Lower	Upper	
154	100		
153	113.9	91.6	137.4
152	54.7	45.4	68.0





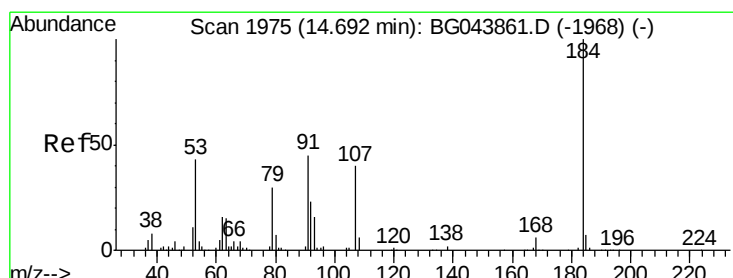
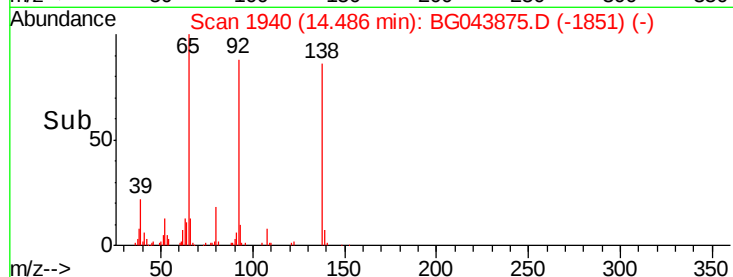
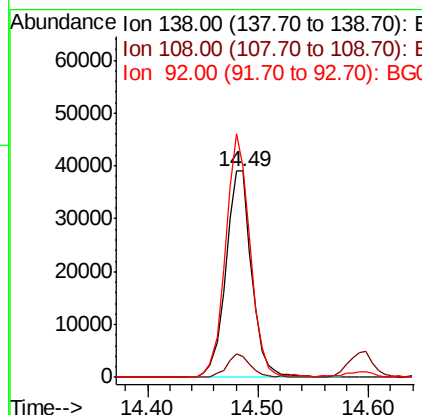
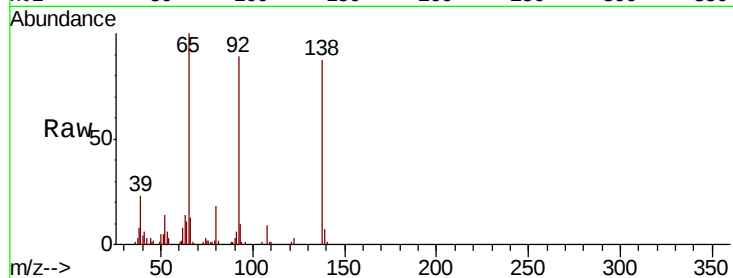
#53
3-Nitroaniline
Concen: 9.525 ng
RT: 14.49 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.1	7.4	11.2
92	102.3	92.1	138.1

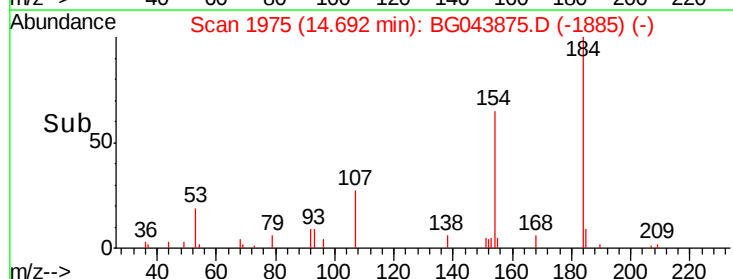
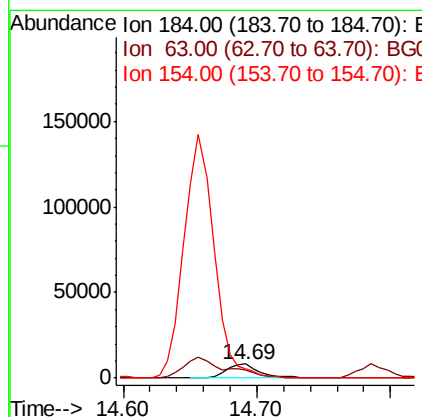
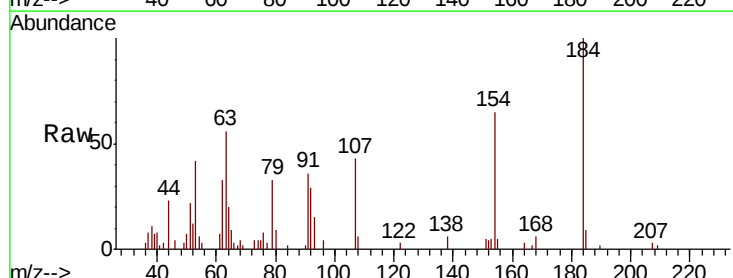
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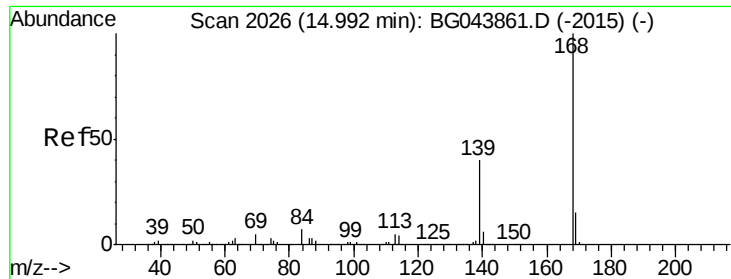
mohammad
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#54
2,4-Dinitrophenol
Concen: 5.475 ng
RT: 14.69 min Scan# 1975
Delta R.T. 0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
184	100		
63	56.5	46.6	70.0
154	65.1	50.2	75.4





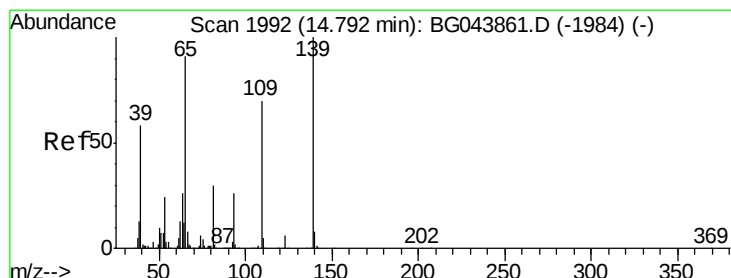
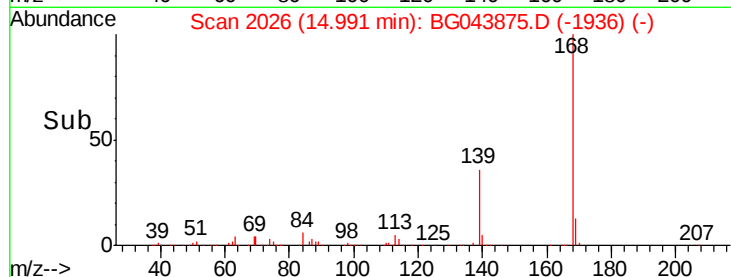
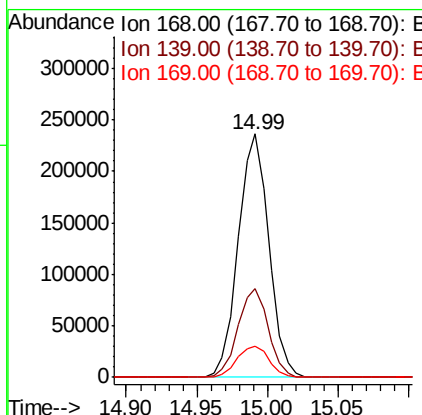
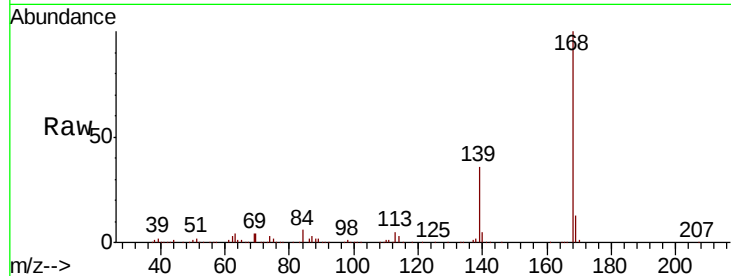
#55
Dibenzenofuran
Concen: 12.065 ng
RT: 14.99 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.3	32.2	48.2
169	13.1	12.2	18.2

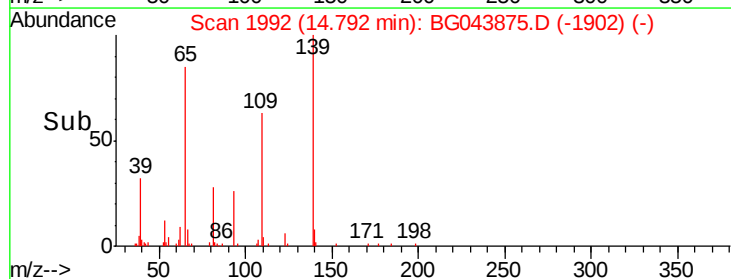
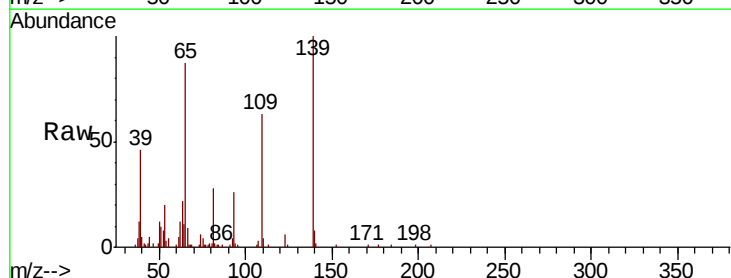
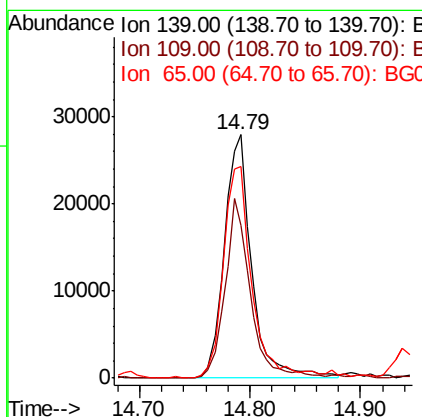
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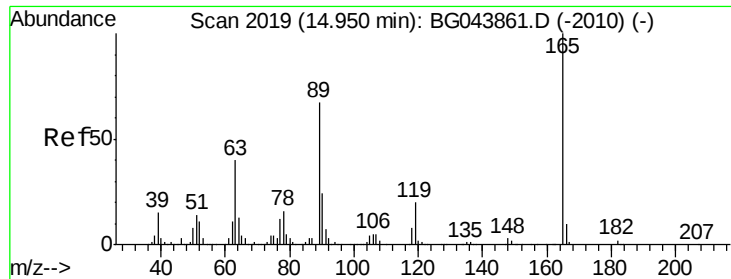
mohammad
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#56
4-Nitrophenol
Concen: 9.455 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
139	100		
109	62.8	50.4	90.4
65	87.1	71.4	111.4





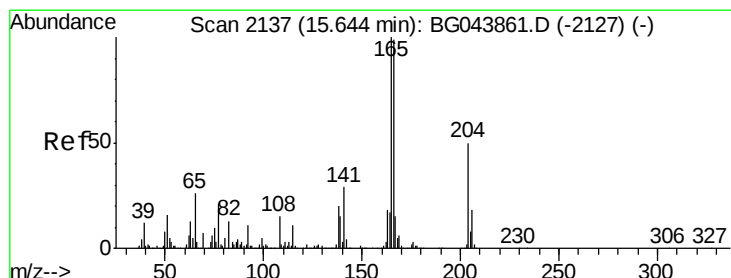
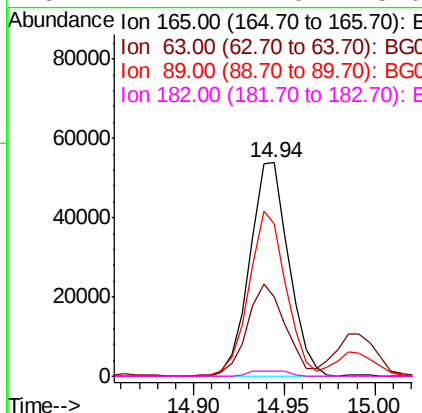
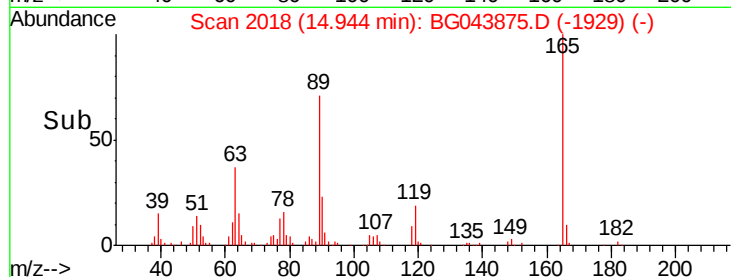
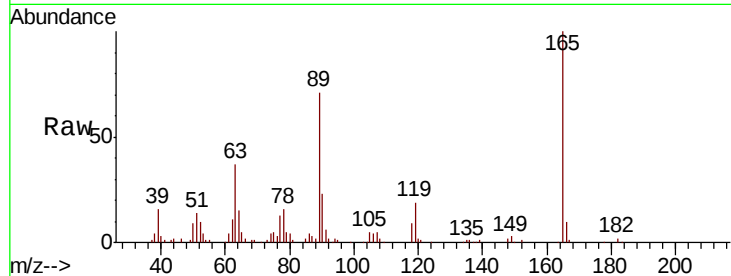
#57
2,4-Dinitrotoluene
Concen: 10.014 ng
RT: 14.94 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		80424		
63	37.0	31.9	47.9		
89	71.3	53.8	80.6		
182	2.2	2.0	3.0		

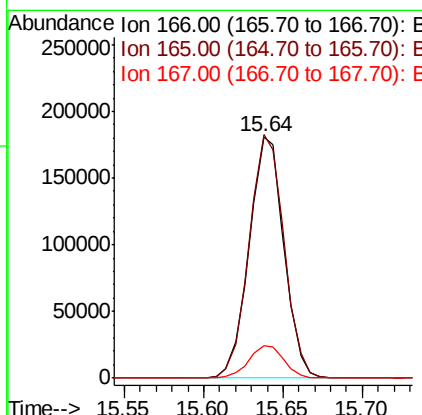
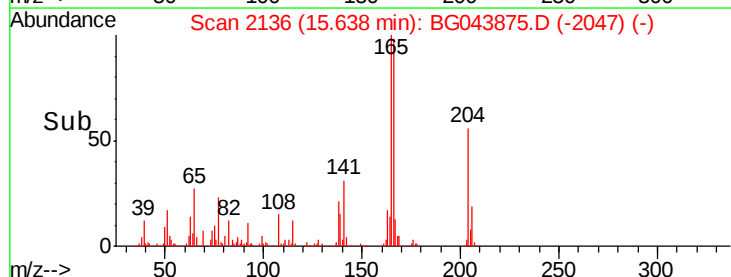
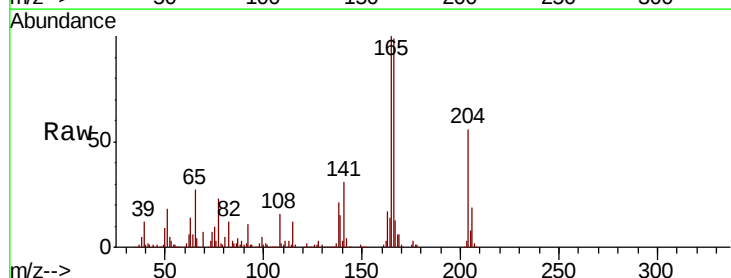
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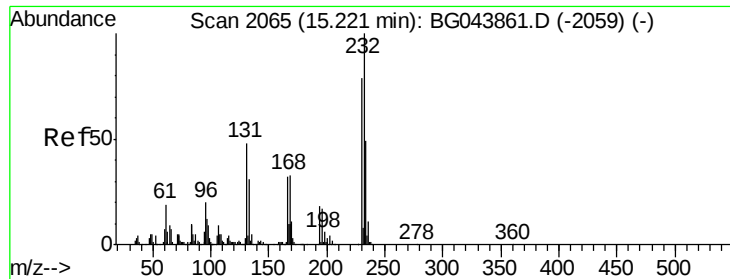
mohammad
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#58
Fluorene
Concen: 11.777 ng
RT: 15.64 min Scan# 2136
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		275966		
165	100.9	80.8	121.2		
167	13.3	12.1	18.1		





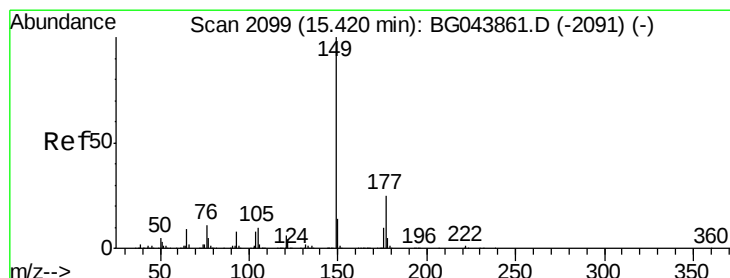
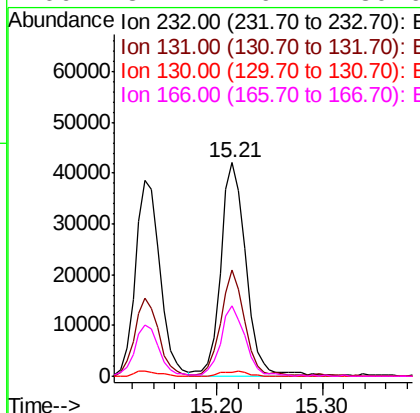
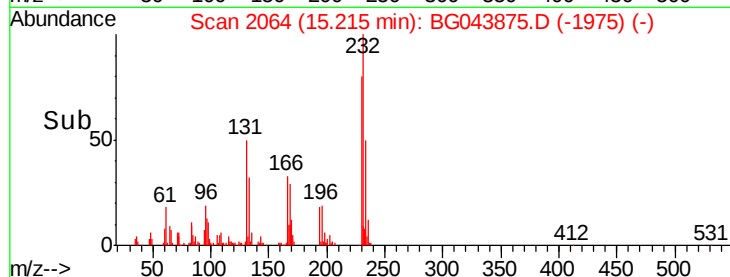
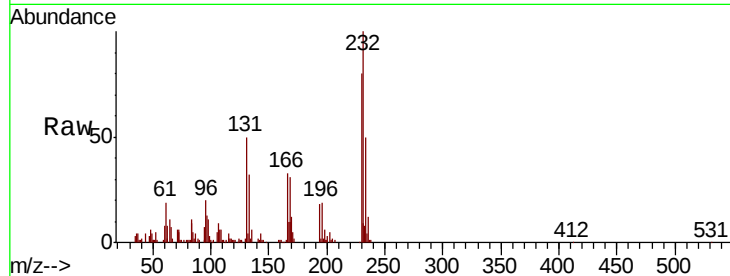
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 10.677 ng
 RT: 15.21 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: BG043875.D
 Acq: 2 Jan 2020 15:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.9	38.2	57.2
130	2.5	2.2	3.2
166	31.7	26.4	39.6

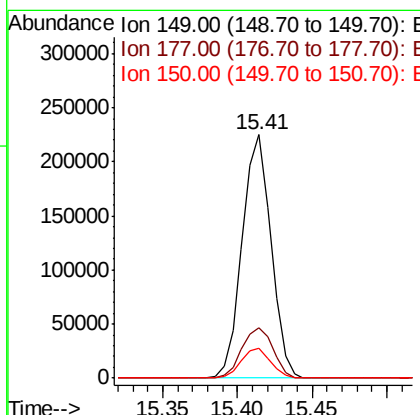
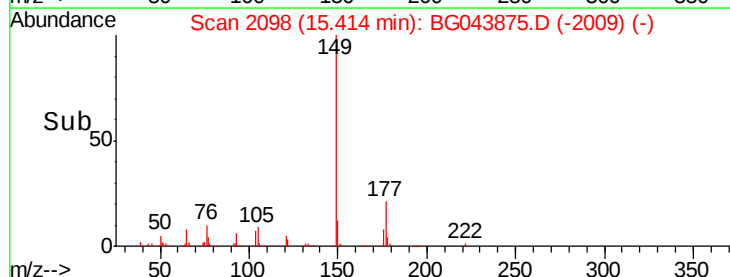
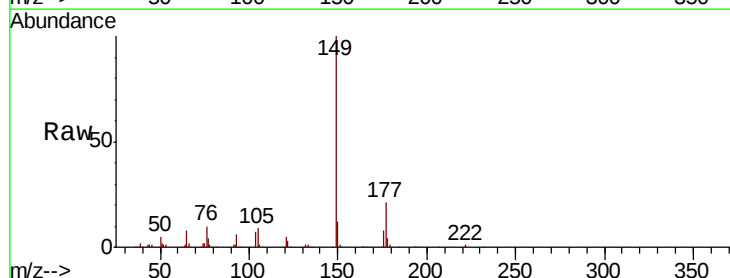
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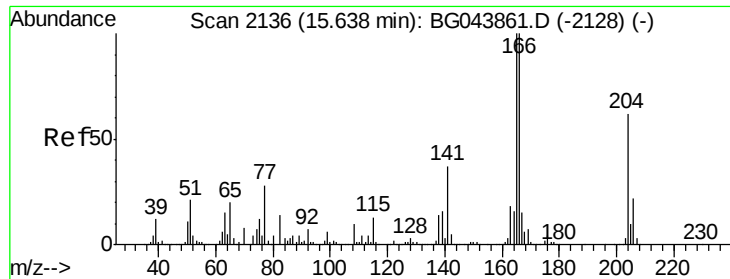
mohammad
 1/3/2020 11:05:10 AM



#60
 Diethylphthalate
 Concen: 11.557 ng
 RT: 15.41 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BG043875.D
 Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.9	20.0	30.0
150	12.3	11.1	16.7





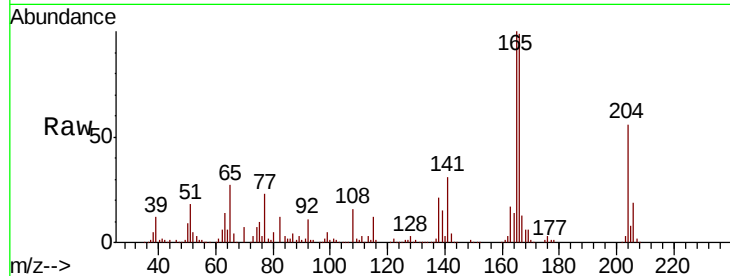
#61
4-Chlorophenyl-phenylether
Concen: 11.107 ng
RT: 15.64 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.8	28.2	42.2
141	55.9	48.2	72.2

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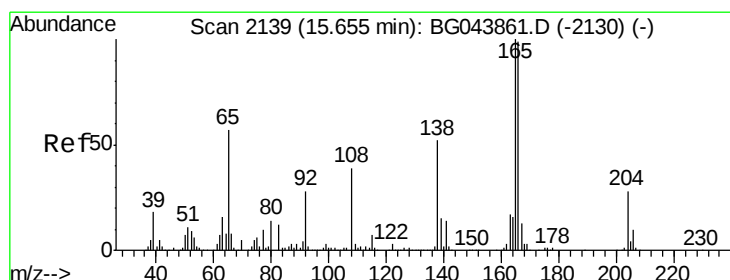
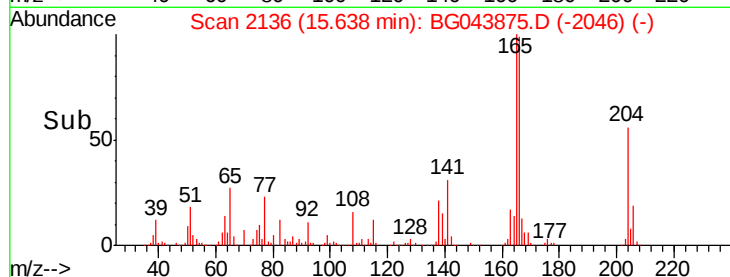
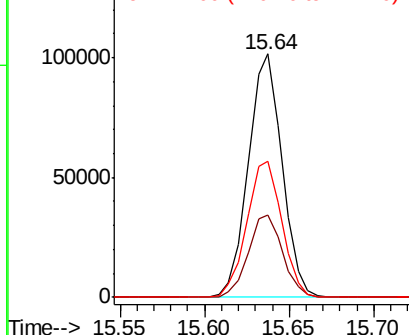


Abundance

Ion 204.00 (203.70 to 204.70): E

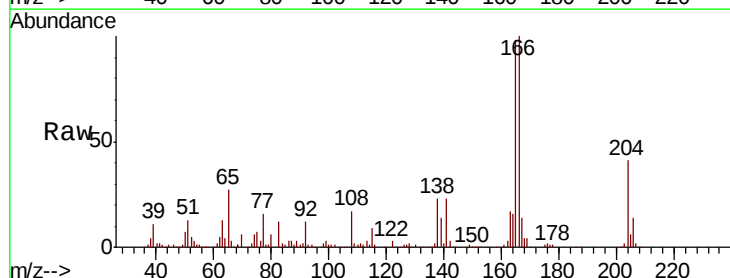
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 9.941 ng
RT: 15.64 min Scan# 2137
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.6	34.3	74.3
108	72.4	55.0	95.0

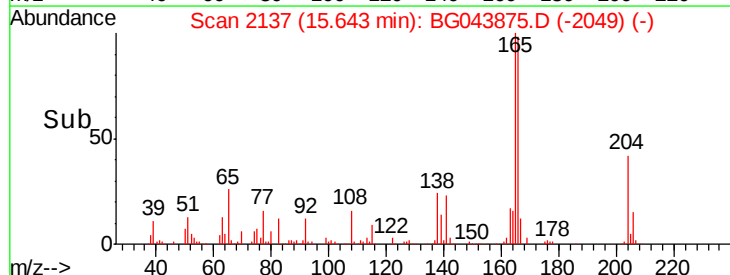
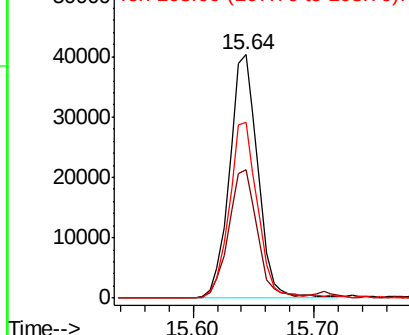


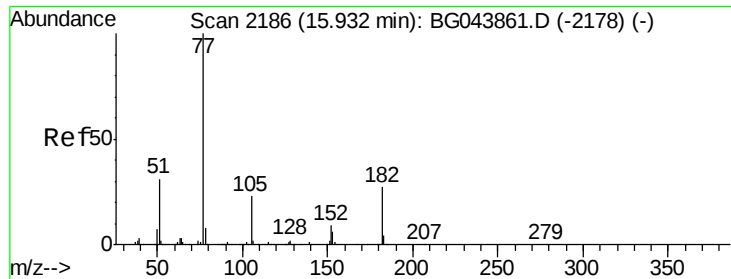
Abundance

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: 11.726 ng

RT: 15.93 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BG043875.D

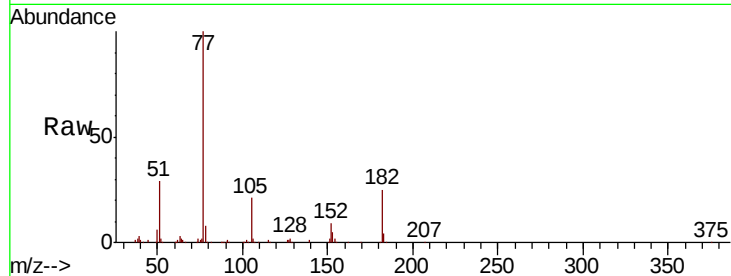
Acq: 2 Jan 2020 15:00

Instrument :

BNA_G

ClientSampleId :

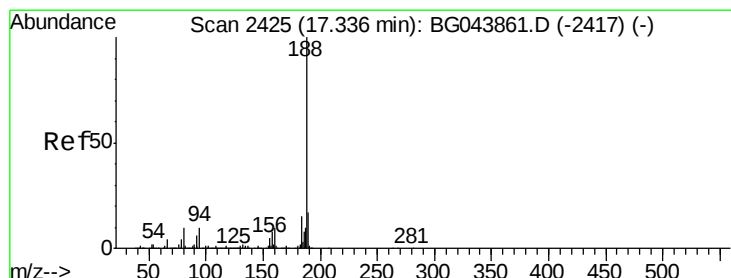
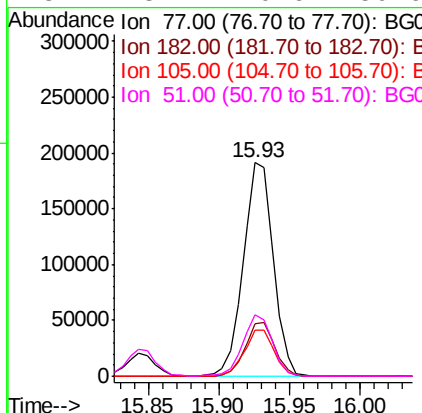
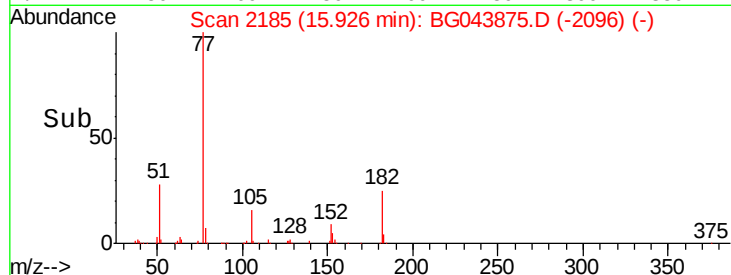
LOQ-SOIL-02-QT4-2019



Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	24.5	7.3	47.3		
105	21.4	3.2	43.2		
51	28.7	10.6	50.6		

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#64

Phenanthrene-d10

Concen: 20.000 ng

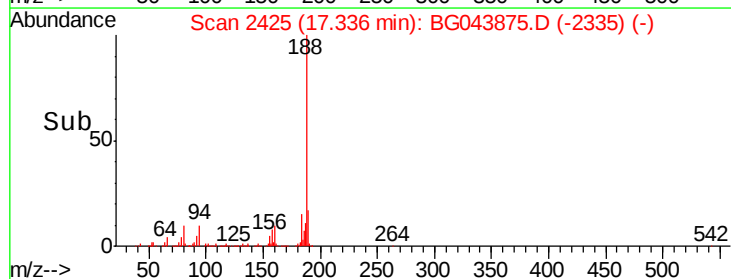
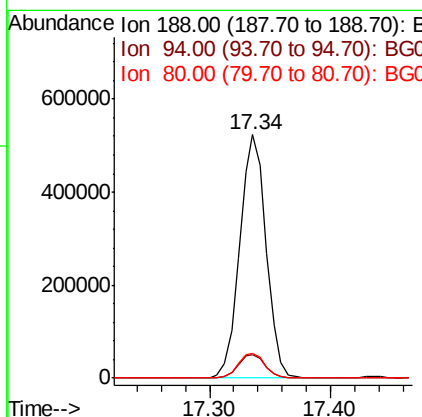
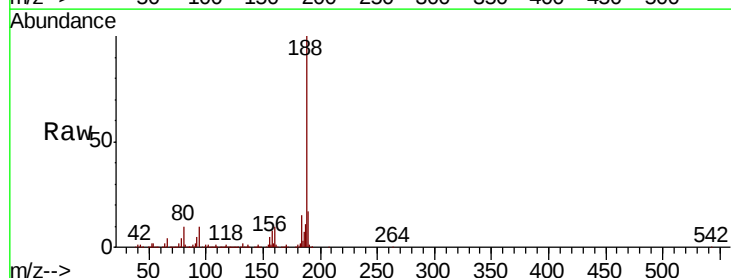
RT: 17.34 min Scan# 2425

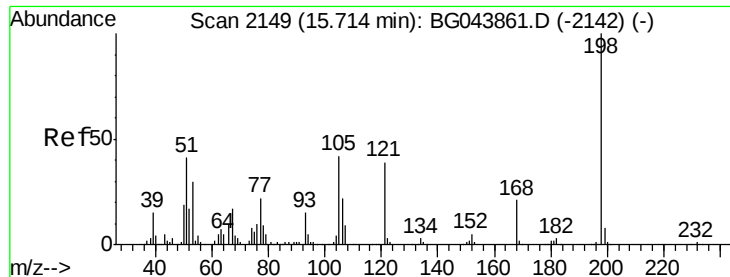
Delta R.T. -0.00 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.9	7.9	11.9		
80	10.2	8.2	12.4		





#65

4,6-Dinitro-2-methylphenol

Concen: 7.539 ng

RT: 15.71 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Instrument :

BNA_G

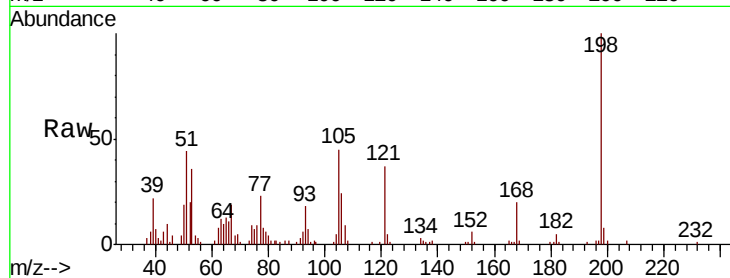
ClientSampleId :

LOQ-SOIL-02-QT4-2019

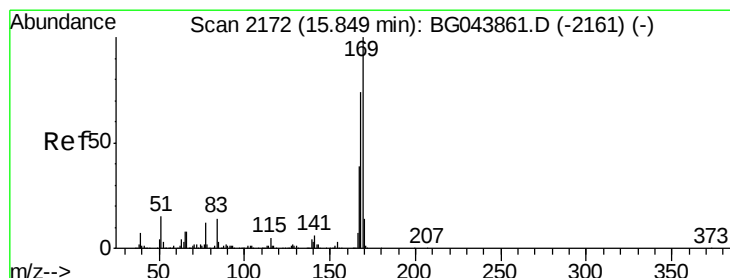
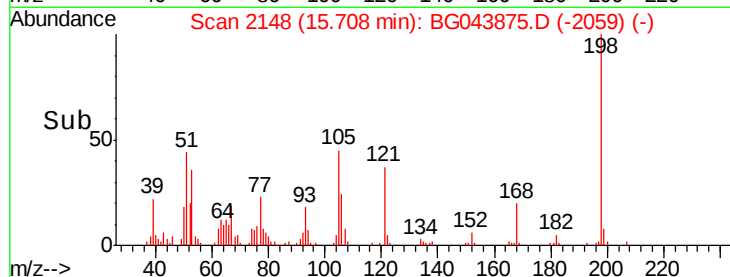
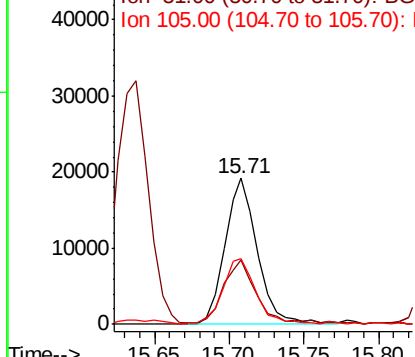
Tot Ion:	198	Resp:	29150
Ion Ratio	Lower	Upper	
198	100		
51	44.1	22.5	62.5
105	45.2	22.3	62.3

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



#66

n-Nitrosodiphenylamine

Concen: 10.755 ng

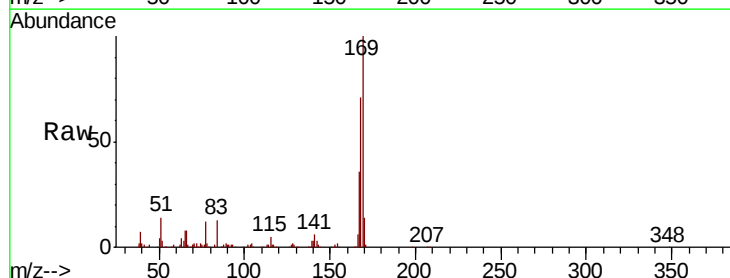
RT: 15.84 min Scan# 2171

Delta R.T. -0.01 min

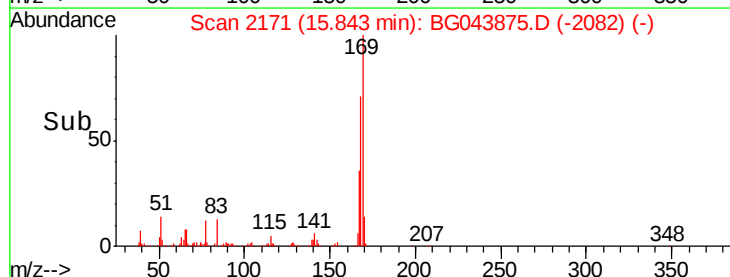
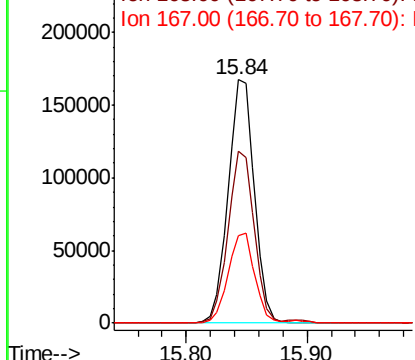
Lab File: BG043875.D

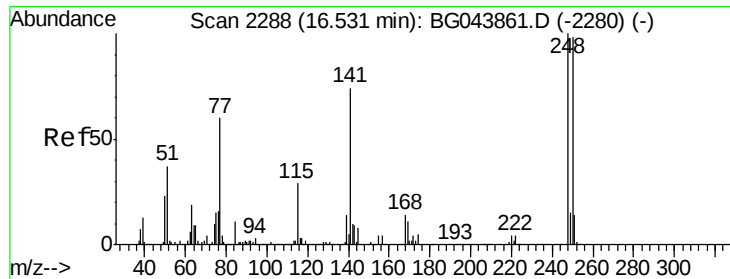
Acq: 2 Jan 2020 15:00

Tgt Ion:	169	Resp:	251820
Ion Ratio	Lower	Upper	
169	100		
168	70.8	59.0	88.6
167	35.9	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





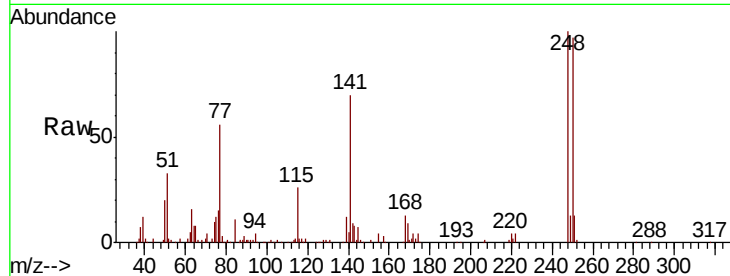
#67
4-Bromophenyl-phenylether
Concen: 9.951 ng
RT: 16.53 min Scan# 2288
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.2	117.2
141	70.3	59.3	88.9

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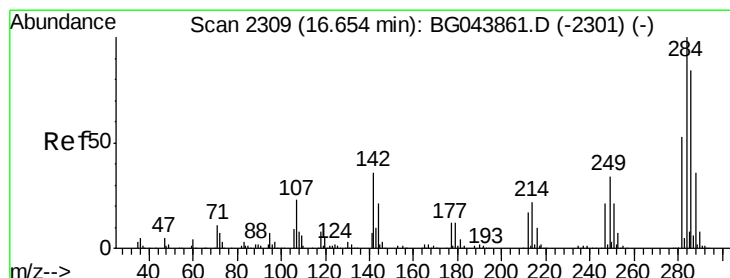
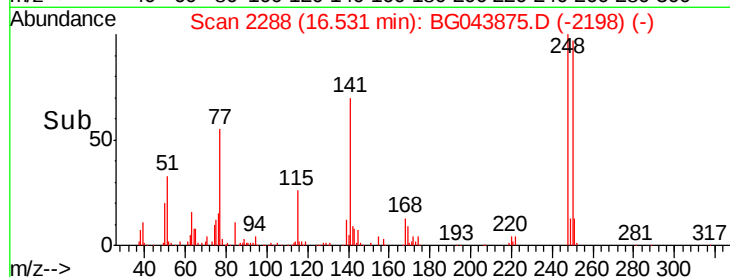
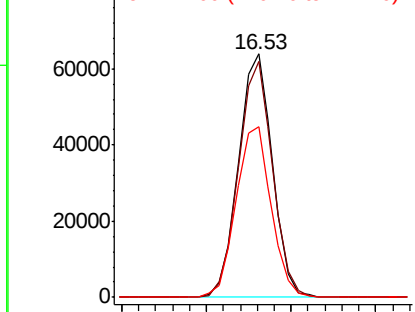


Abundance

Ion 248.00 (247.70 to 248.70): E

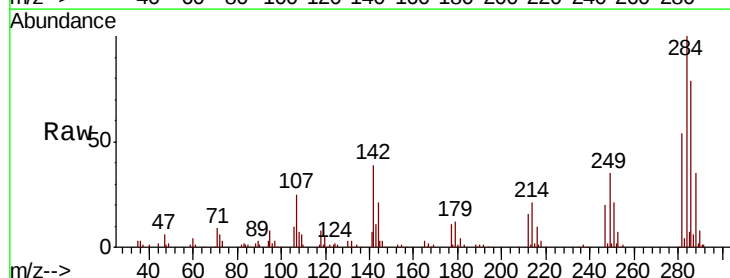
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 9.872 ng
RT: 16.65 min Scan# 2308
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.7	28.6	43.0
249	34.8	27.0	40.6

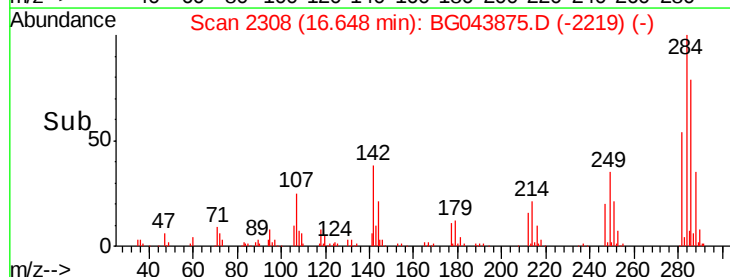
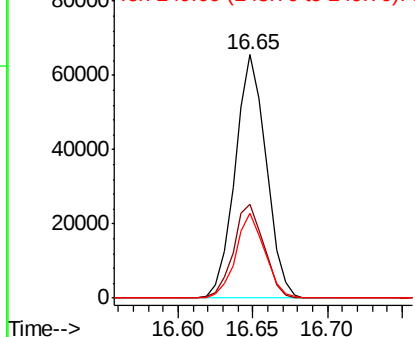


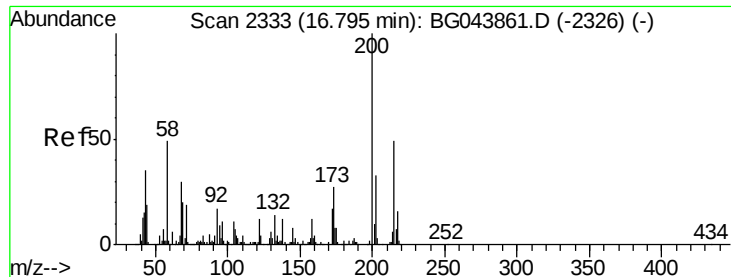
Abundance

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





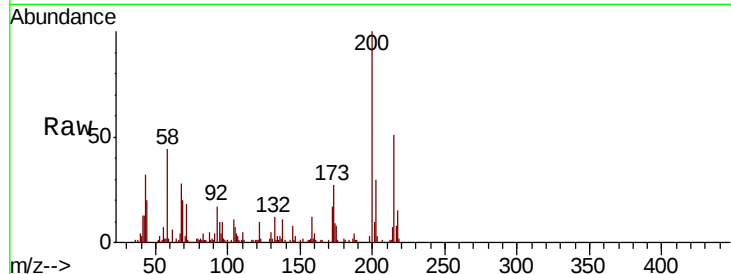
#69
Atrazine
Concen: 10.193 ng
RT: 16.80 min Scan# 2333
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.6	46.6
215	51.1	28.6	68.6

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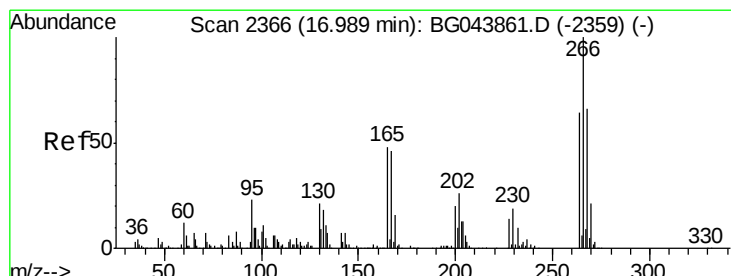
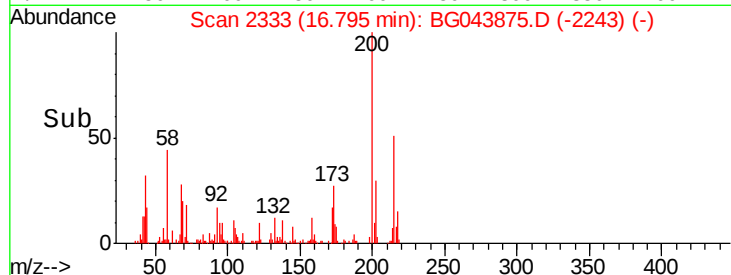
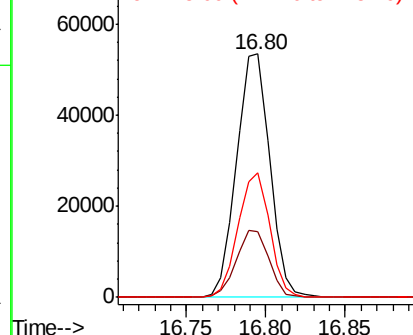


Abundance

Ion 200.00 (199.70 to 200.70): E

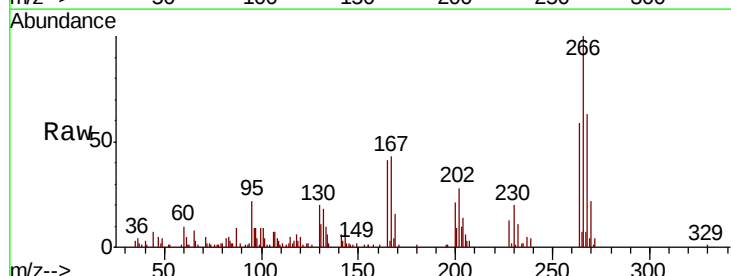
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 6.936 ng
RT: 16.99 min Scan# 2366
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.6	52.6	79.0
264	59.1	50.8	76.2

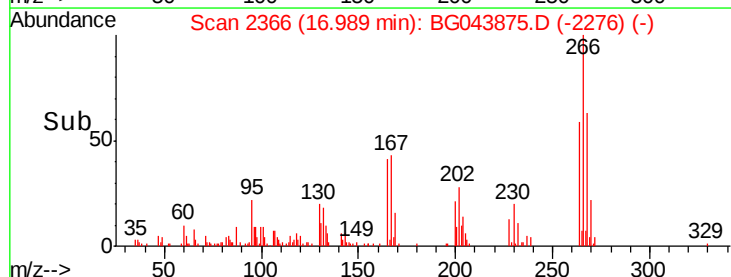
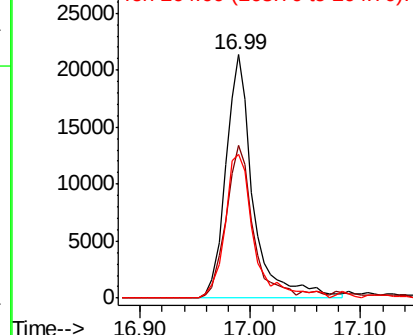


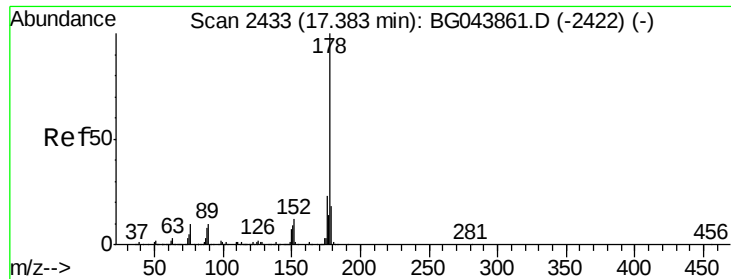
Abundance

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





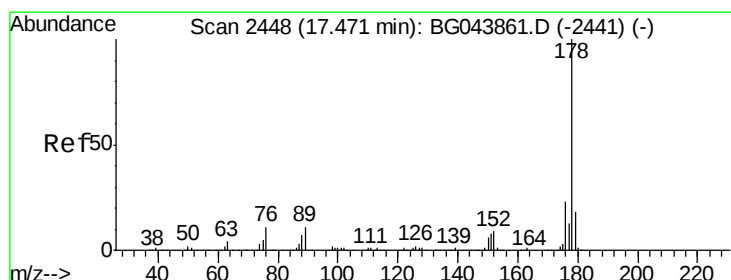
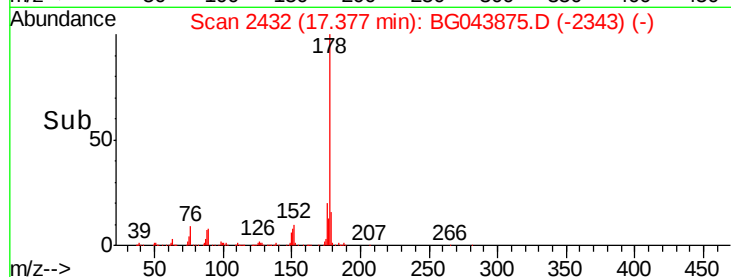
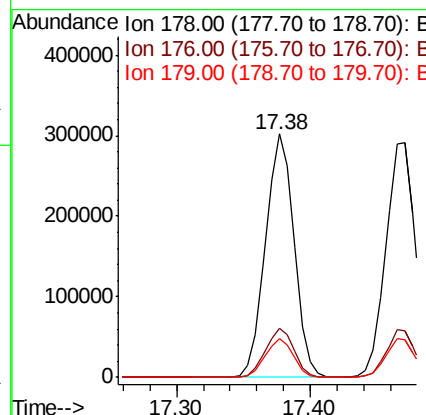
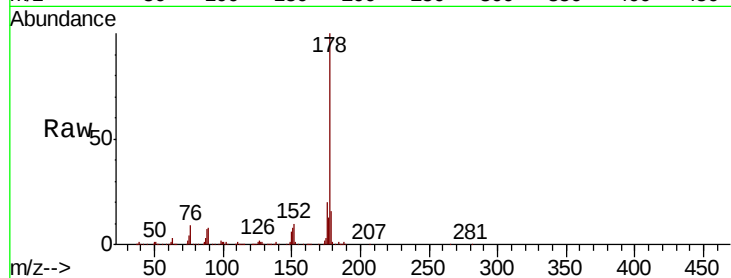
#71
Phenanthrene
Concen: 11.747 ng
RT: 17.38 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	18.6	28.0
179	15.9	14.4	21.6

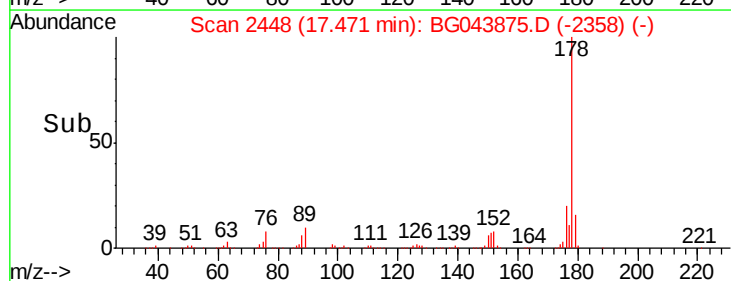
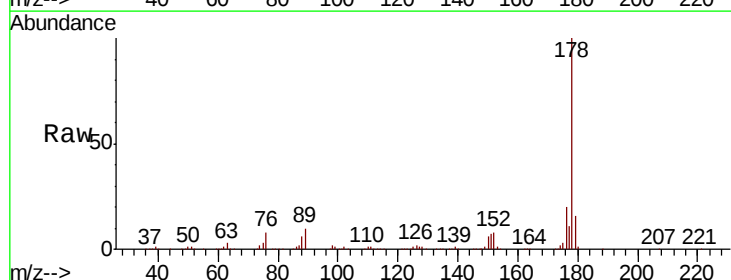
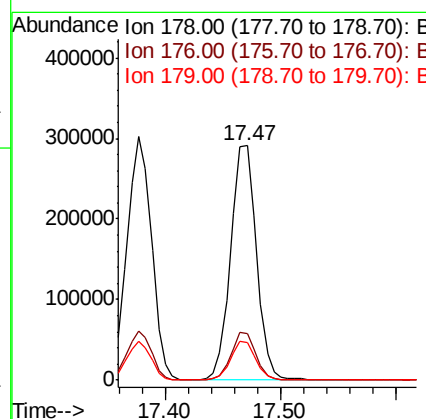
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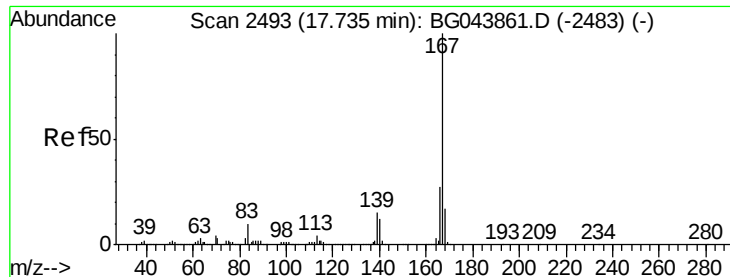
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#72
Anthracene
Concen: 11.951 ng
RT: 17.47 min Scan# 2448
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	18.3	27.5
179	15.8	14.6	22.0





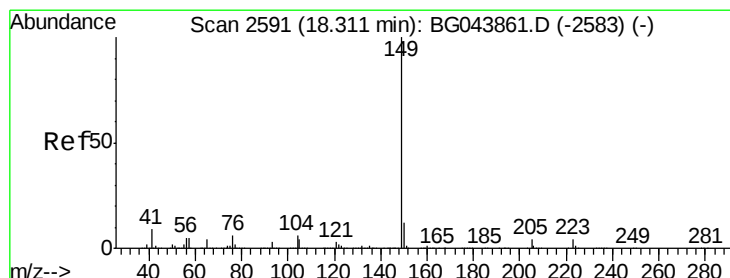
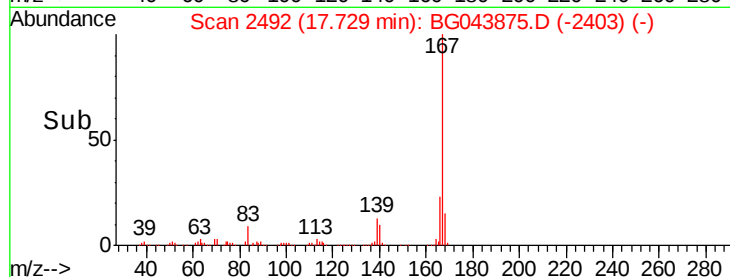
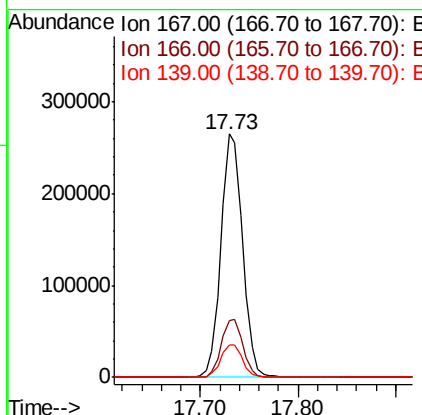
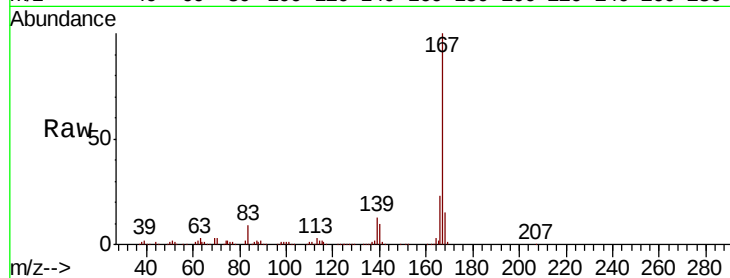
#73
 Carbazole
 Concen: 11.653 ng
 RT: 17.73 min Scan# 2492
 Delta R.T. -0.01 min
 Lab File: BG043875.D
 Acq: 2 Jan 2020 15:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.4	21.6	32.4
139	13.4	12.1	18.1

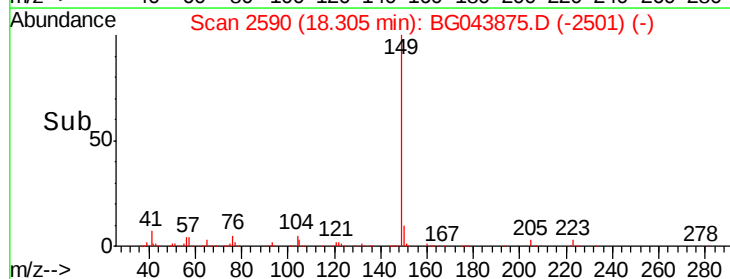
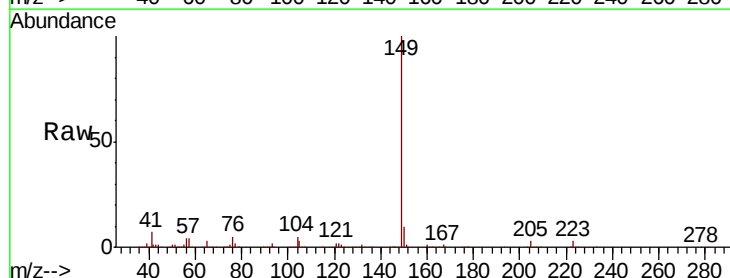
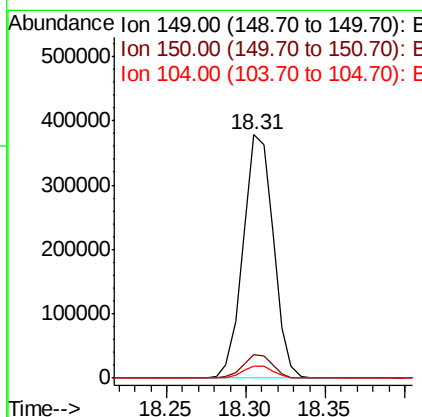
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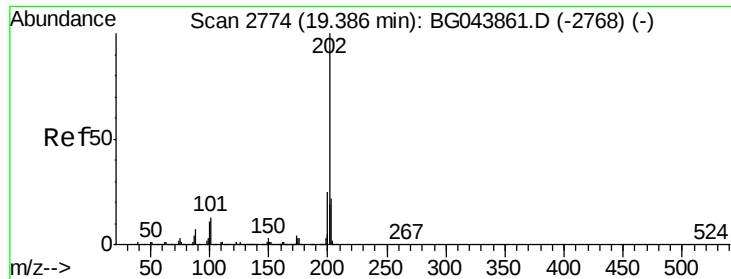
mohammad
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#74
 Di-n-butylphthalate
 Concen: 11.240 ng
 RT: 18.31 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: BG043875.D
 Acq: 2 Jan 2020 15:00

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





#75

Fluoranthene

Concen: 11.853 ng

RT: 19.39 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Instrument :

BNA_G

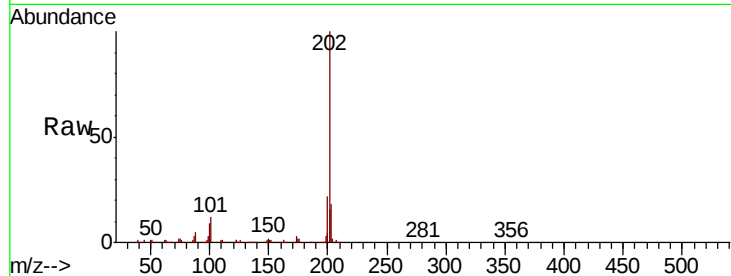
ClientSampleId :

LOQ-SOIL-02-QT4-2019

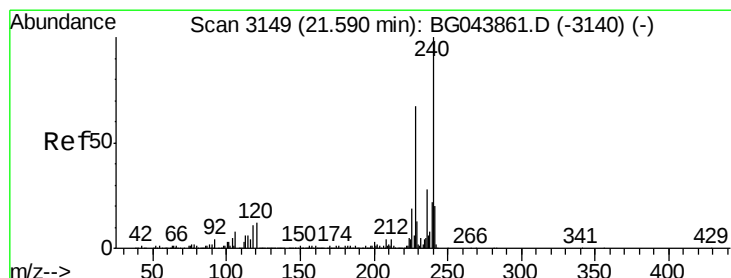
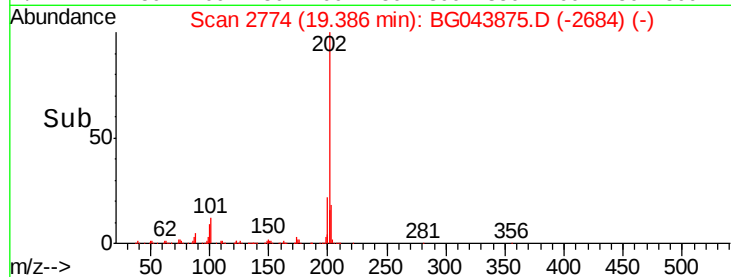
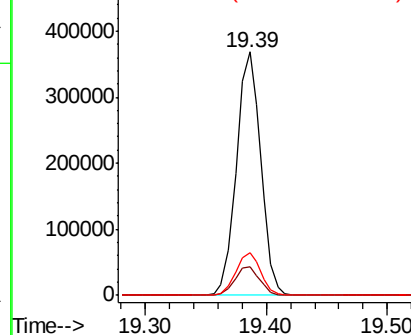
Tot Ion:	202	Resp:	516956
Ion Ratio		Lower	Upper
202	100		
101	11.7	0.0	33.3
203	17.6	1.6	41.6

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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

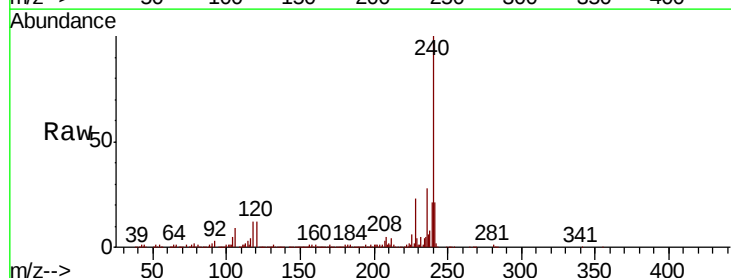
RT: 21.58 min Scan# 3148

Delta R.T. -0.01 min

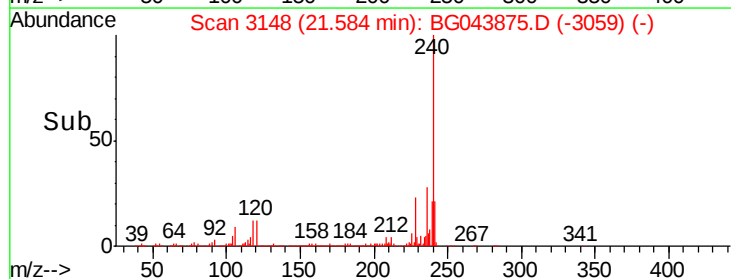
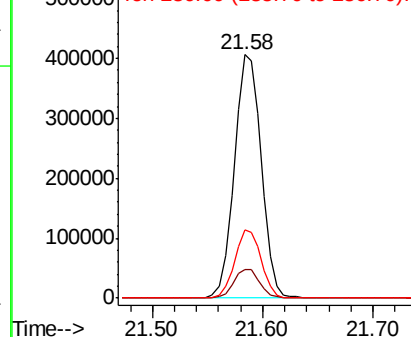
Lab File: BG043875.D

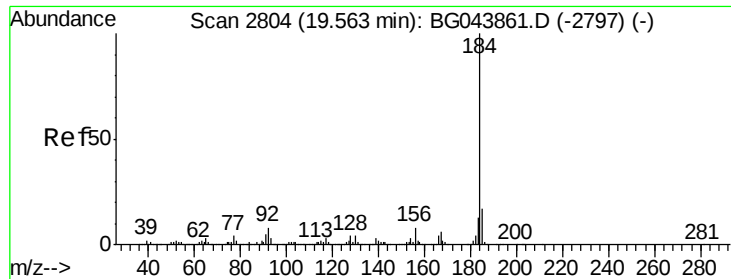
Acq: 2 Jan 2020 15:00

Tgt Ion:	240	Resp:	692992
Ion Ratio		Lower	Upper
240	100		
120	11.8	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: 10.867 ng

RT: 19.56 min Scan# 2804

Delta R.T. -0.00 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Instrument :

BNA_G

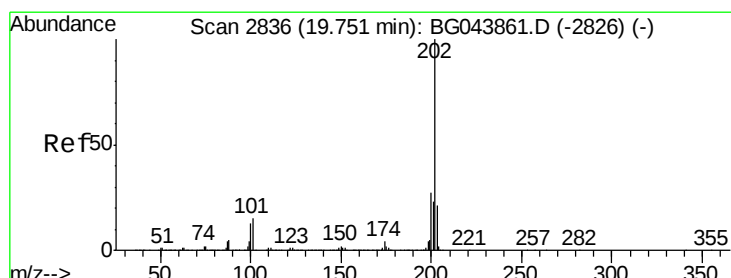
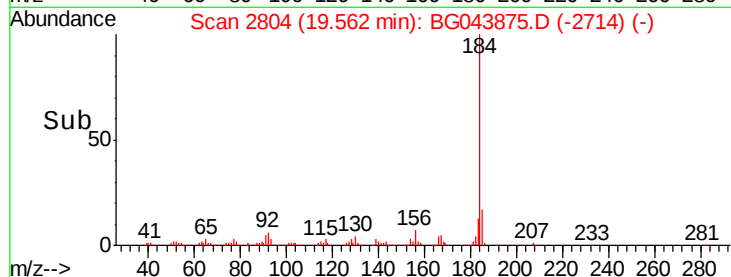
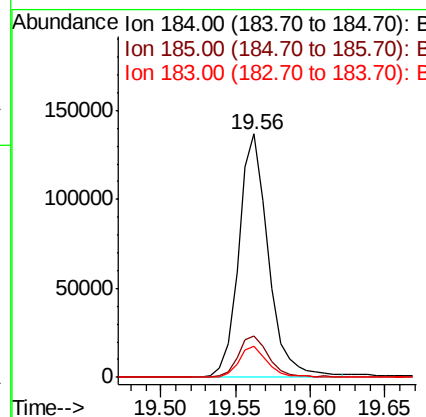
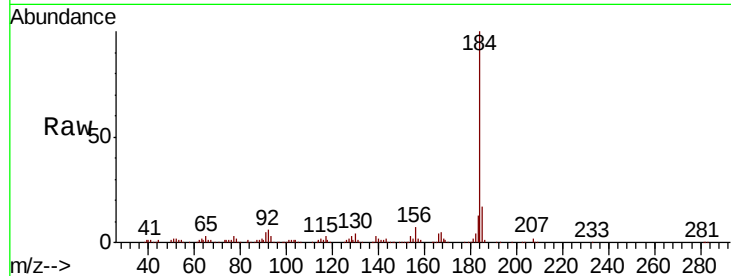
ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:	184	Resp:	189293
Ion Ratio	Lower	Upper	
184	100		
185	17.1	13.4	20.0
183	12.7	10.6	15.8

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#78

Pyrene

Concen: 11.801 ng

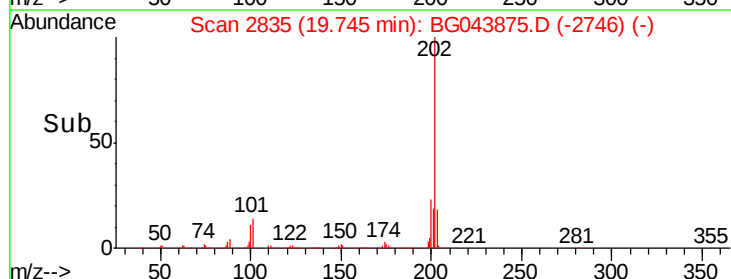
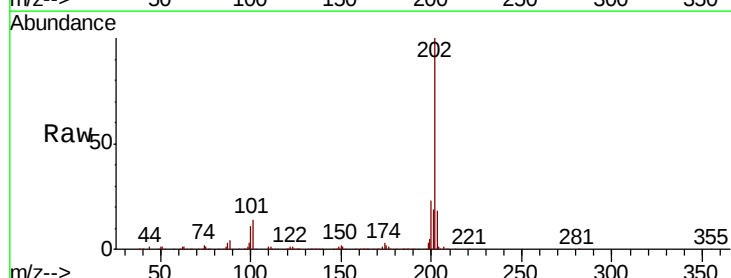
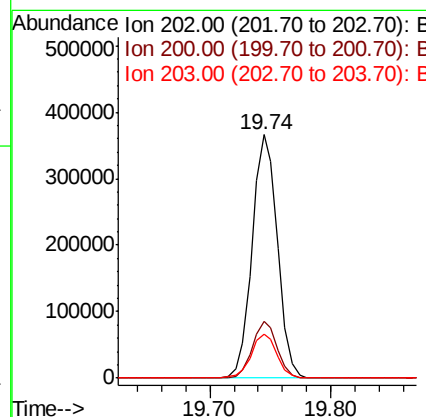
RT: 19.74 min Scan# 2835

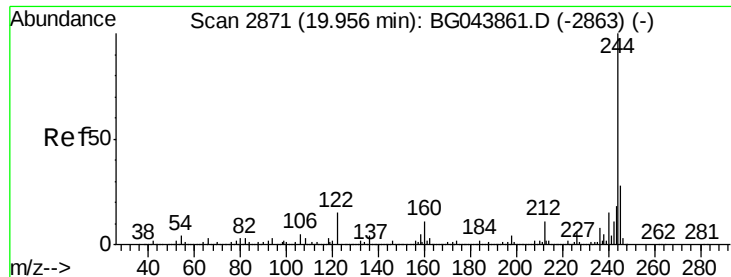
Delta R.T. -0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Tgt Ion:	202	Resp:	533806
Ion Ratio	Lower	Upper	
202	100		
200	23.2	21.7	32.5
203	18.0	17.0	25.6





#79

Terphenyl-d14

Concen: 98.021 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:244 Resp: 2813736

Ion Ratio Lower Upper

244 100

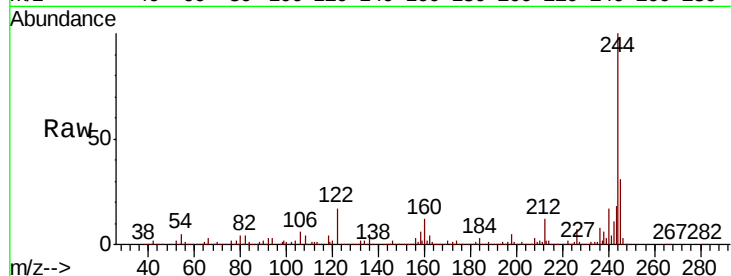
212 12.3 8.6 13.0

122 17.2 11.9 17.9

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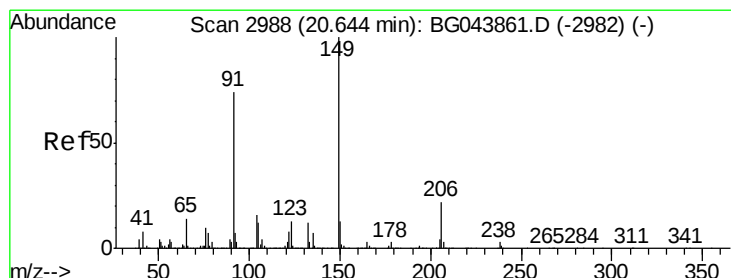
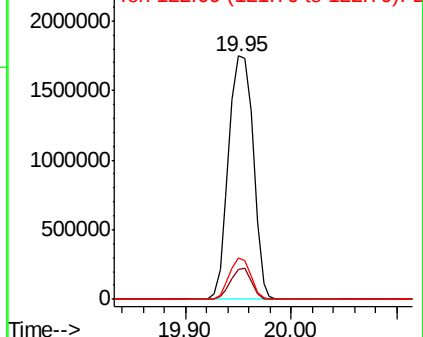
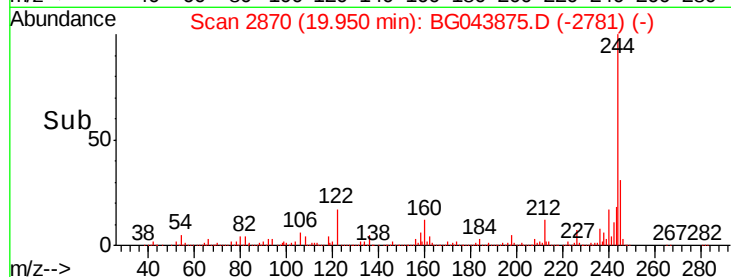
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 9.461 ng

RT: 20.64 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

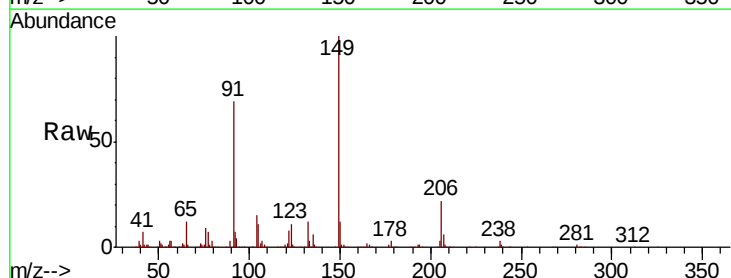
Tgt Ion:149 Resp: 203754

Ion Ratio Lower Upper

149 100

91 68.8 59.5 89.3

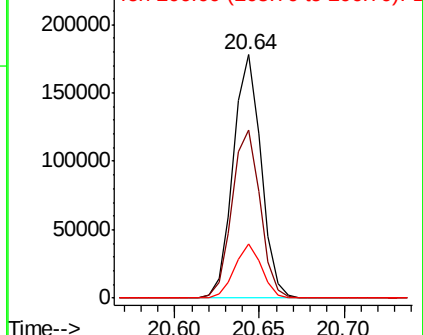
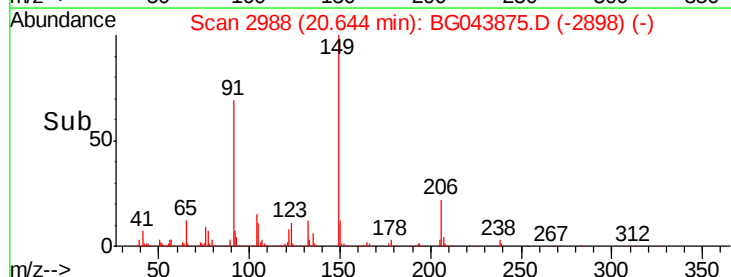
206 22.4 17.8 26.6

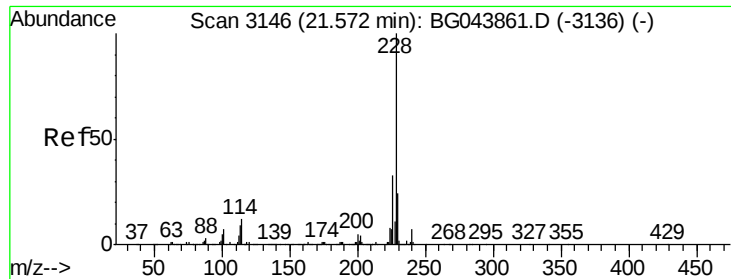


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





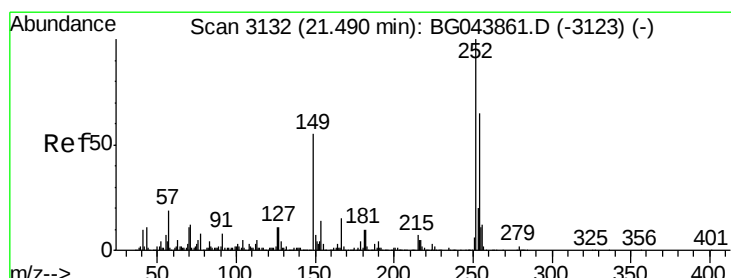
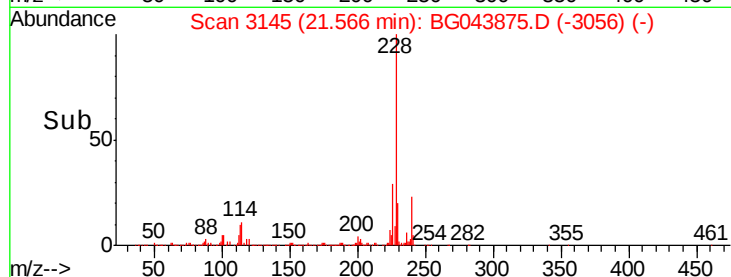
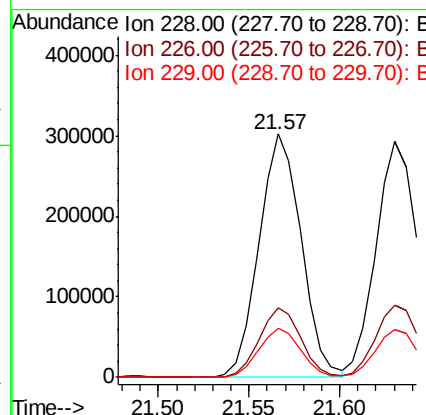
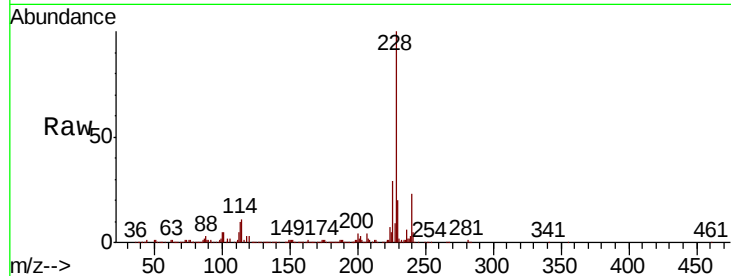
#81
Benzo(a)anthracene
Concen: 11.381 ng
RT: 21.57 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	26.2	39.4
229	20.3	18.9	28.3

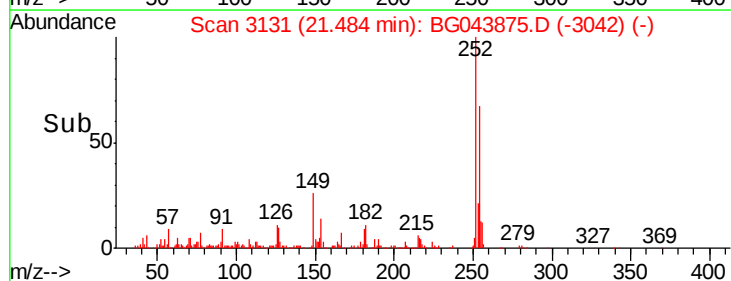
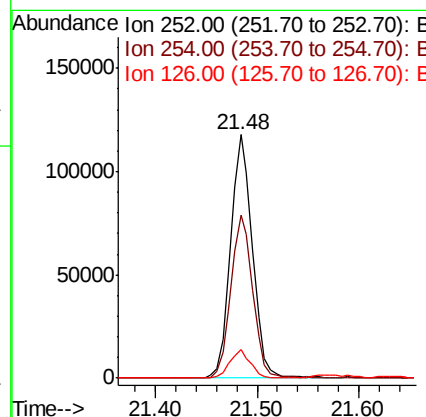
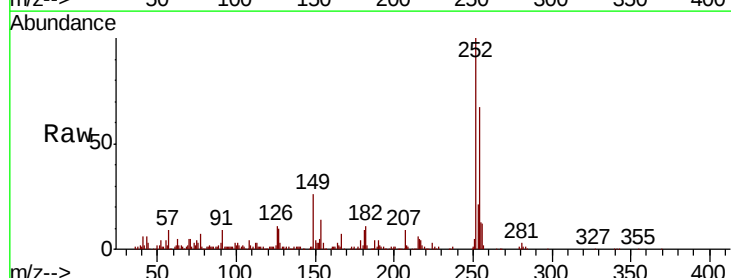
Manual Integrations
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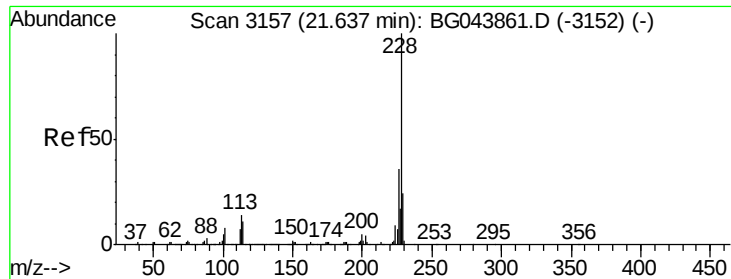
mohammad
1/3/2020 11:05:10 AM



#82
3,3'-Dichlorobenzidine
Concen: 10.350 ng
RT: 21.48 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
252	100		
254	67.0	52.1	78.1
126	11.5	9.1	13.7





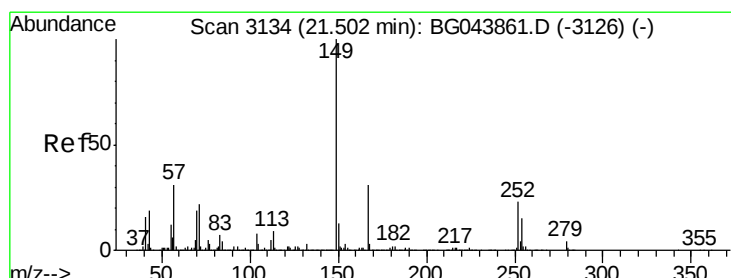
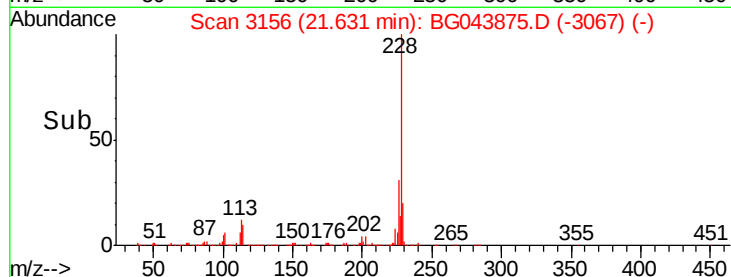
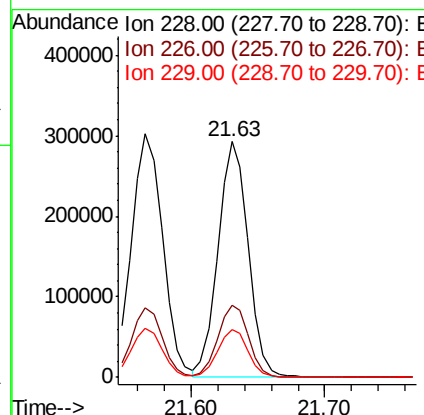
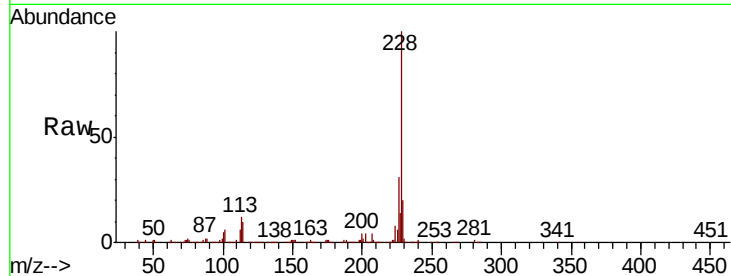
#83
Chrysene
Concen: 11.333 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	28.8	43.2
229	20.4	19.0	28.6

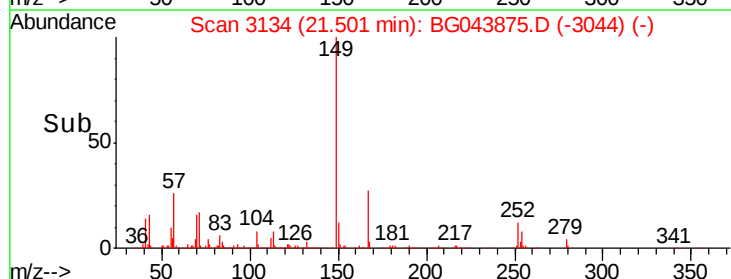
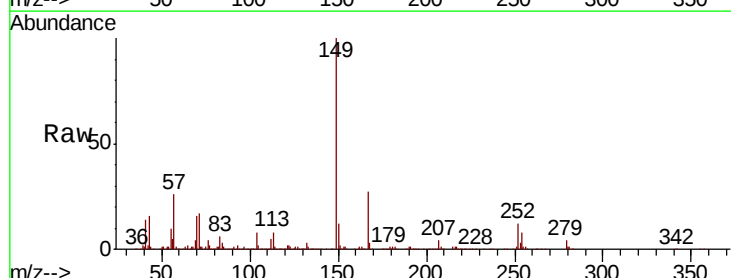
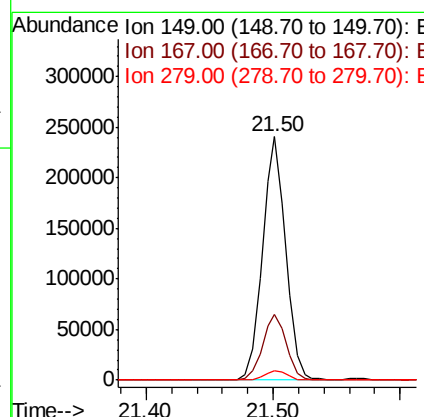
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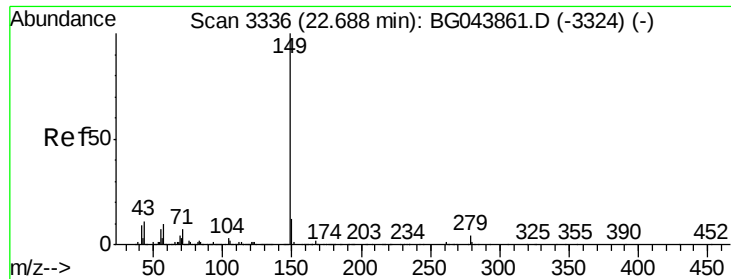
mohammad
1/3/2020 11:05:10 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 10.346 ng
RT: 21.50 min Scan# 3134
Delta R.T. -0.00 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	24.7	37.1
279	3.6	3.3	4.9





#85

Di-n-octyl phthalate

Concen: 10.058 ng

RT: 22.69 min Scan# 3336

Delta R.T. -0.00 min

Lab File: BG043875.D

Acq: 2 Jan 2020 15:00

Instrument :

BNA_G

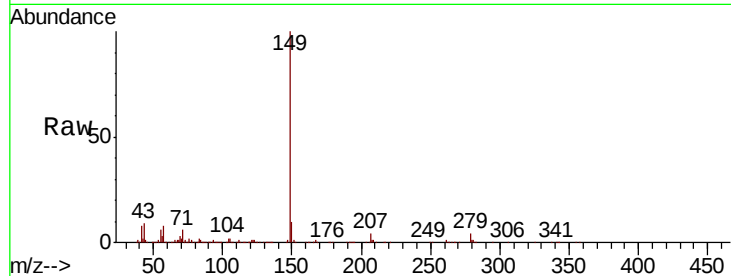
ClientSampleId :

LOQ-SOIL-02-QT4-2019

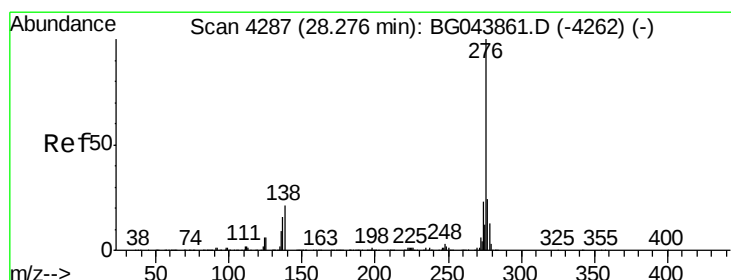
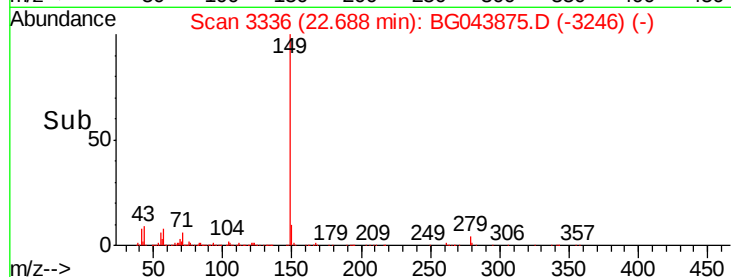
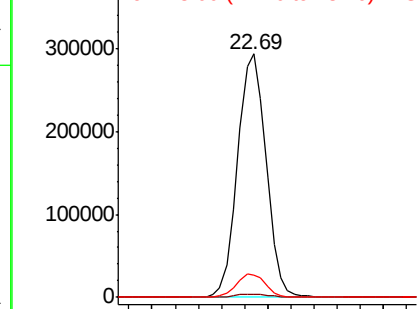
Tot Ion:	149	Resp:	502476
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.4	2.0
43	9.6	8.8	13.2

Manual Integrations
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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: 9.662 ng

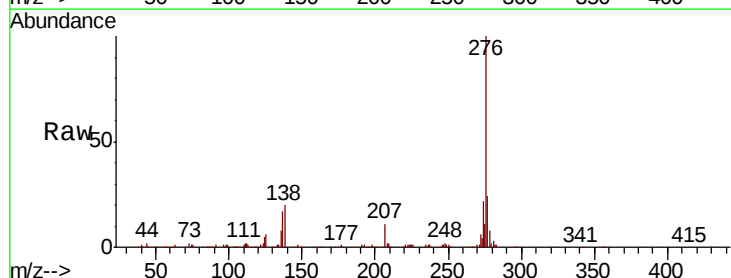
RT: 28.25 min Scan# 4282

Delta R.T. -0.03 min

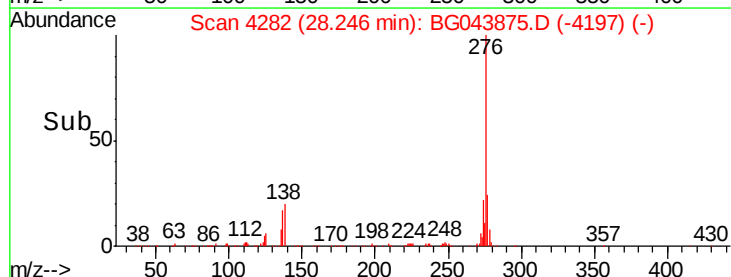
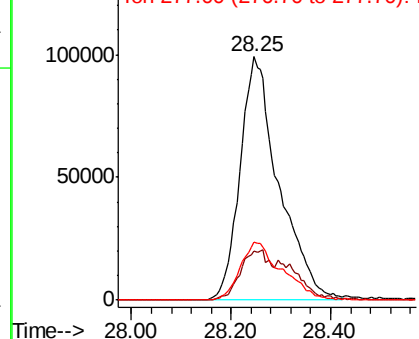
Lab File: BG043875.D

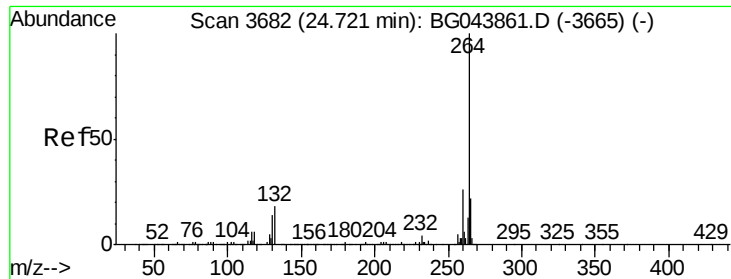
Acq: 2 Jan 2020 15:00

Tgt Ion:	276	Resp:	536150
Ion Ratio	Lower	Upper	
276	100		
138	16.0	21.0	31.4#
277	25.8	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





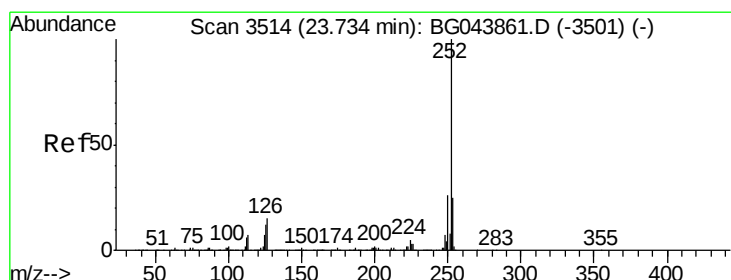
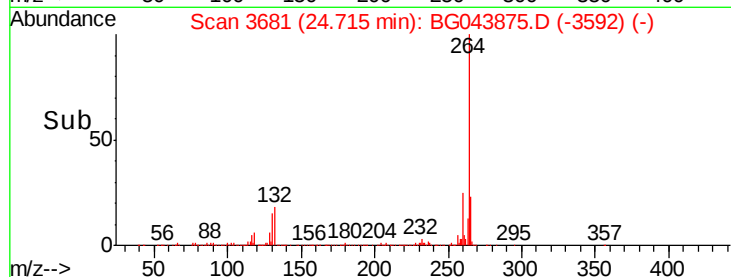
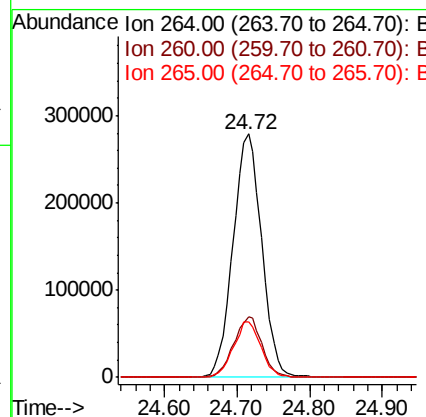
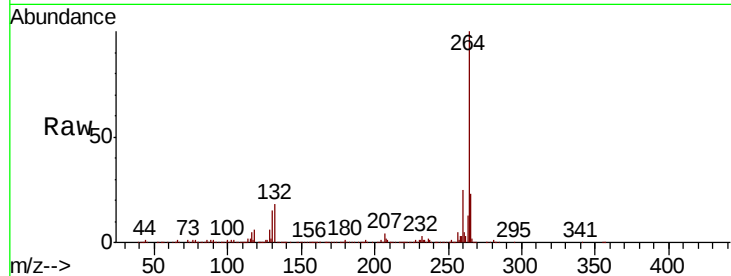
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.72 min Scan# 3681
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.4	30.6
265	22.9	17.4	26.2

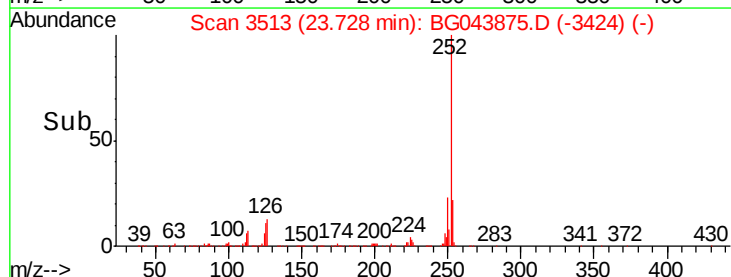
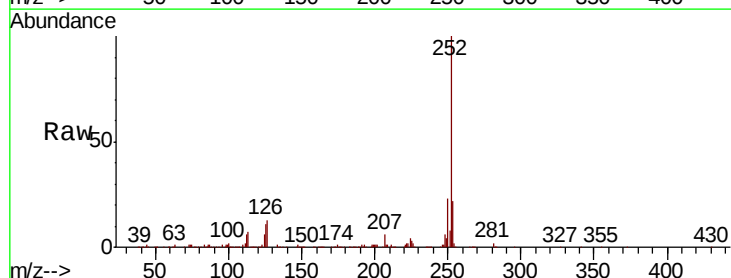
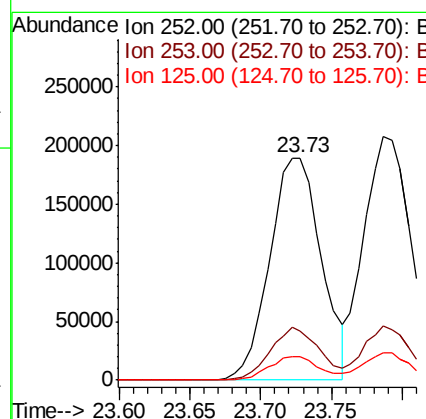
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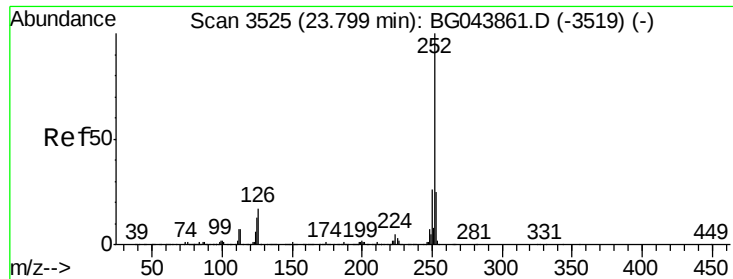
mohammad
1/3/2020 11:05:10 AM



#88
Benzo(b)fluoranthene
Concen: 10.686 ng
RT: 23.73 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.7	29.5
125	10.6	9.4	14.2





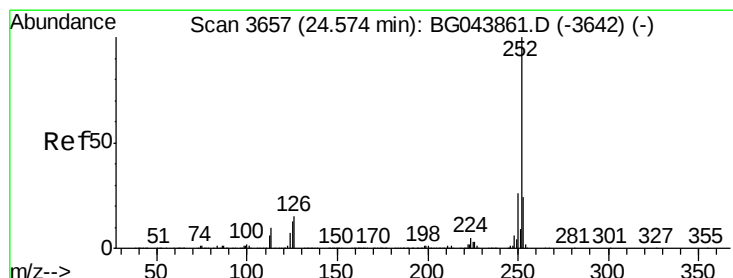
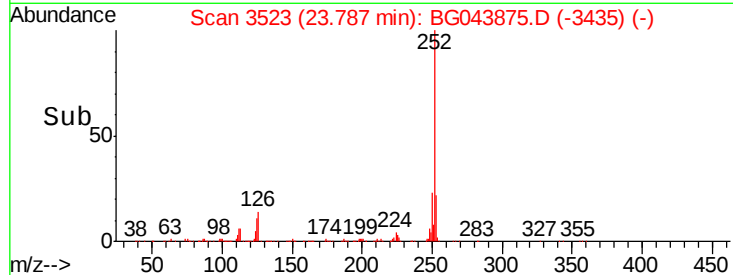
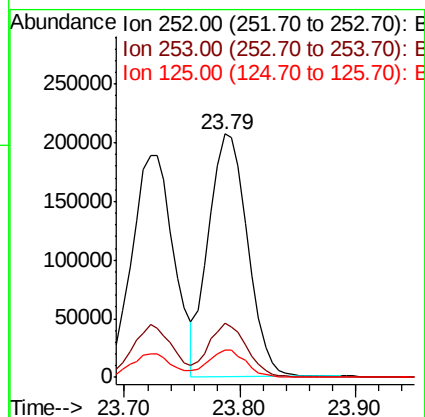
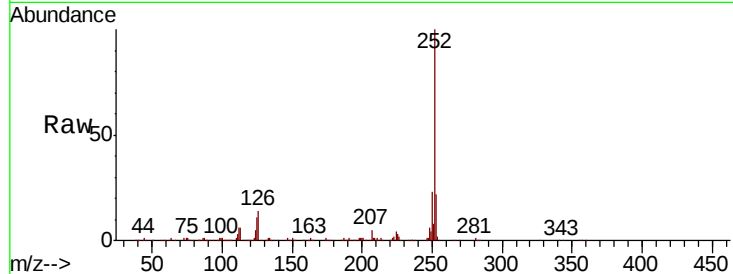
#89
Benzo(k)fluoranthene
Concen: 11.288 ng
RT: 23.79 min Scan# 3523
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.4	29.2
125	11.1	9.9	14.9

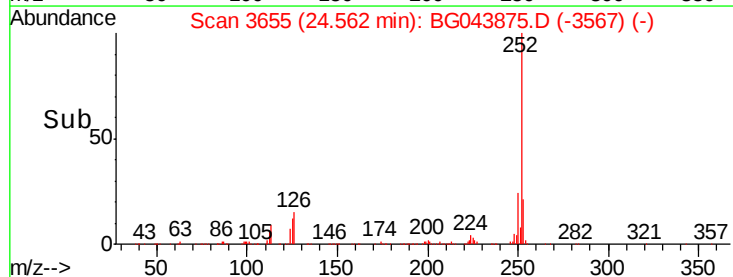
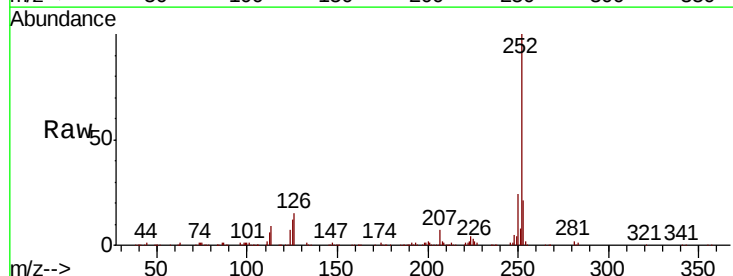
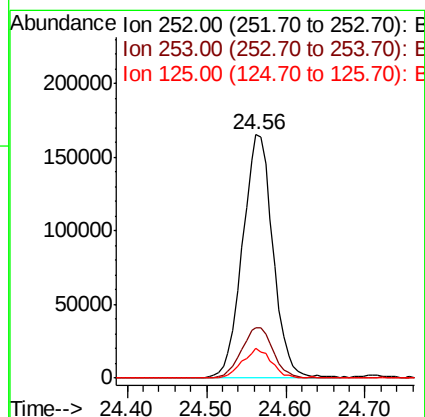
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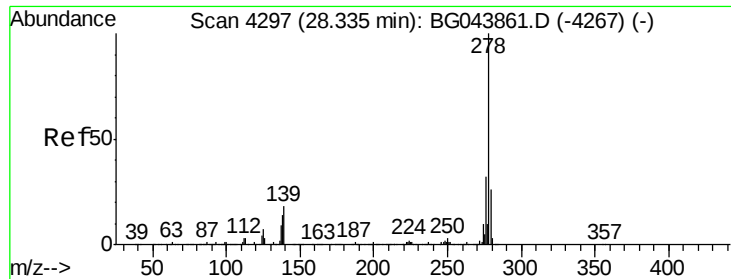
mohammad
1/3/2020 11:05:10 AM



#90
Benzo(a)pyrene
Concen: 10.316 ng
RT: 24.56 min Scan# 3655
Delta R.T. -0.01 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	19.3	28.9
125	12.0	10.4	15.6





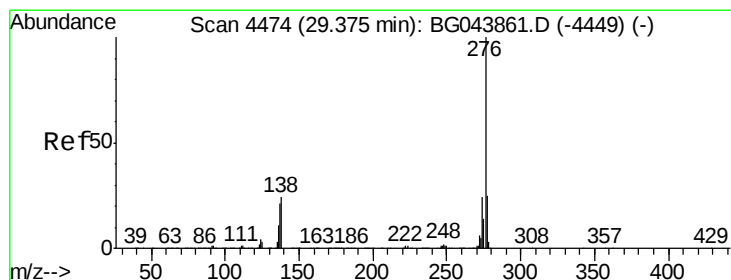
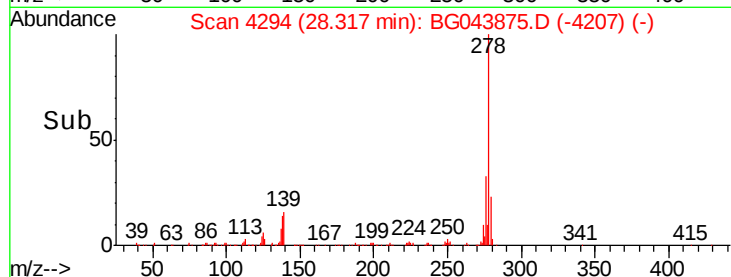
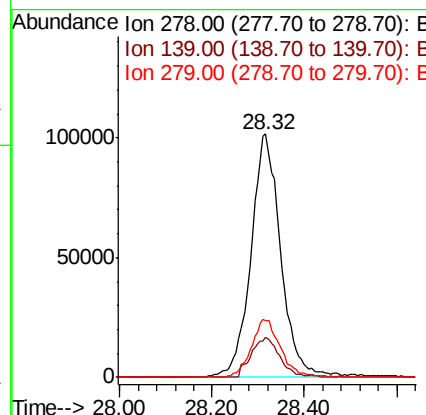
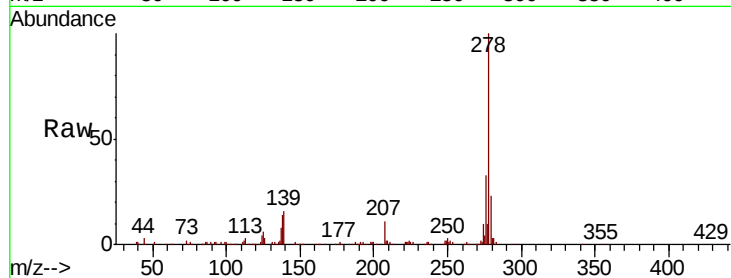
#91
Dibenzo(a,h)anthracene
Concen: 10.594 ng
RT: 28.32 min Scan# 4294
Delta R.T. -0.02 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.4	14.2	21.4
279	23.1	20.6	30.8

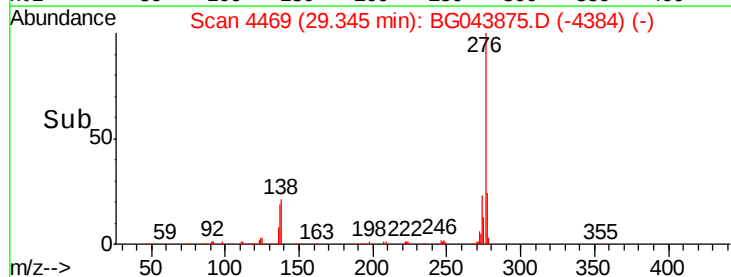
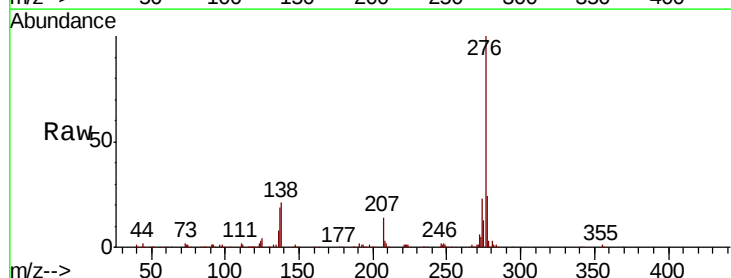
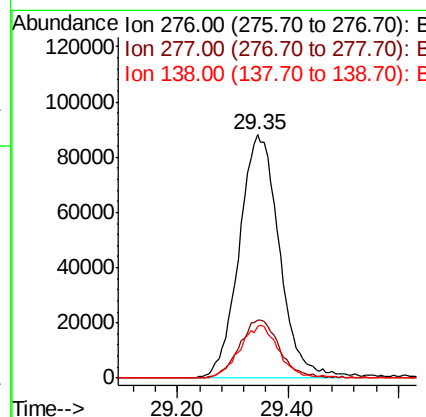
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#92
Benzo(g,h,i)perylene
Concen: 10.407 ng
RT: 29.35 min Scan# 4469
Delta R.T. -0.03 min
Lab File: BG043875.D
Acq: 2 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	20.2	30.4
138	21.4	19.0	28.6



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010220\
 Data File : BG043875.D
 Acq On : 2 Jan 2020 15:00
 Operator : JU
 Sample : K5111-02
 Misc : L00-SOIL 10PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Manual Integrations
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mohammad
 1/3/2020 11:05:10 AM

Quant Time: Jan 02 16:34:10 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	124844	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	557767	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	367765	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	795059	20.00	ng	0.00
76) Chrysene-d12	21.58	240	692992	20.00	ng	0.00
87) Perylene-d12	24.72	264	766597	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	970720	142.77	ng	0.00
7) Phenol-d6	7.12	99	1338700	140.85	ng	0.00
23) Nitrobenzene-d5	9.12	82	1009547	96.83	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	564825	146.76	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	2119701	104.43	ng	0.00
79) Terphenyl-d14	19.95	244	2813736	98.02	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.44	88	34286	11.565	ng	92
3) Pyridine	3.83	79	87218	9.959	ng	97
4) n-Nitrosodimethylamine	3.75	42	39873	10.226	ng	# 99
6) Aniline	7.28	93	137336	11.001	ng	96
8) 2-Chlorophenol	7.52	128	84777	10.621	ng	95
9) Benzaldehyde	7.09	77	82645	13.586	ng	96
10) Phenol	7.15	94	104715	10.694	ng	96
11) bis(2-Chloroethyl)ether	7.38	93	92275	10.917	ng	96
12) 1,3-Dichlorobenzene	7.85	146	98339	10.528	ng	100
13) 1,4-Dichlorobenzene	8.00	146	102116	11.080	ng	96
14) 1,2-Dichlorobenzene	8.32	146	94728	10.708	ng	96
15) Benzyl Alcohol	8.19	79	75460	10.060	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.49	45	134112	10.255	ng	98
17) 2-Methylphenol	8.40	107	74347	10.492	ng	92
18) Hexachloroethane	9.05	117	36703	10.234	ng	96
19) n-Nitroso-di-n-propylamine	8.76	70	74823	10.571	ng	97
20) 3+4-Methylphenols	8.72	107	102190	10.337	ng	97
22) Acetophenone	8.78	105	144752	10.439	ng	# 94
24) Nitrobenzene	9.16	77	107178	10.379	ng	98
25) Isophorone	9.68	82	204989	10.480	ng	97
26) 2-Nitrophenol	9.87	139	42563	8.712	ng	93
27) 2,4-Dimethylphenol	9.93	122	73398	9.980	ng	97
28) bis(2-Chloroethoxy)methane	10.17	93	131575	10.089	ng	96
29) 2,4-Dichlorophenol	10.41	162	82164	9.366	ng	96
30) 1,2,4-Trichlorobenzene	10.63	180	98918	10.057	ng	98
31) Naphthalene	10.81	128	297420	11.019	ng	98
32) Benzoic acid	10.00	122	29635m	5.400	ng	
33) 4-Chloroaniline	10.91	127	127081	9.871	ng	99
34) Hexachlorobutadiene	11.11	225	57609	9.593	ng	100
35) Caprolactam	11.65	113	31480	9.640	ng	89
36) 4-Chloro-3-methylphenol	12.04	107	94968	10.169	ng	96
37) 2-Methylnaphthalene	12.42	142	227444	11.193	ng	97
38) 1-Methylnaphthalene	12.64	142	215380	11.183	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.79	216	109516	10.160	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010220\
 Data File : BG043875.D
 Acq On : 2 Jan 2020 15:00
 Operator : JU
 Sample : K5111-02
 Misc : L00-SOIL 10PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Manual Integrations
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mohammad
 1/3/2020 11:05:10 AM

Quant Time: Jan 02 16:34:10 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	55316	9.898	nq	96
43) 2,4,6-Trichlorophenol	13.02	196	67975	9.165	nq	97
44) 2,4,5-Trichlorophenol	13.09	196	76191	9.960	nq	99
46) 1,1'-Biphenyl	13.43	154	295986	11.225	nq	96
47) 2-Chloronaphthalene	13.47	162	221662	10.403	nq	96
48) 2-Nitroaniline	13.66	65	59510	8.683	nq	93
49) Acenaphthylene	14.31	152	364121	11.890	nq	95
50) Dimethylphthalate	14.05	163	294916	11.294	nq	96
51) 2,6-Dinitrotoluene	14.16	165	61084	10.350	nq	98
52) Acenaphthene	14.66	154	222129	10.343	nq	99
53) 3-Nitroaniline	14.49	138	63839	9.525	nq	89
54) 2,4-Dinitrophenol	14.69	184	14568	5.475	nq	97
55) Dibenzofuran	14.99	168	356703	12.065	nq	94
56) 4-Nitrophenol	14.79	139	48562	9.455	nq	93
57) 2,4-Dinitrotoluene	14.94	165	80424	10.014	nq	95
58) Fluorene	15.64	166	275966	11.777	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.21	232	70233	10.677	nq	98
60) Diethylphthalate	15.41	149	301842	11.557	nq	93
61) 4-Chlorophenyl-phenylether	15.64	204	141330	11.107	nq	95
62) 4-Nitroaniline	15.64	138	65798	9.941	nq	97
63) Azobenzene	15.93	77	284017	11.726	nq	96
65) 4,6-Dinitro-2-methylphenol	15.71	198	29150	7.539	nq	96
66) n-Nitrosodiphenylamine	15.84	169	251820	10.755	nq	96
67) 4-Bromophenyl-phenylether	16.53	248	88981	9.951	nq	98
68) Hexachlorobenzene	16.65	284	95120	9.872	nq	97
69) Atrazine	16.80	200	77575	10.193	nq	97
70) Pentachlorophenol	16.99	266	36839	6.936	nq	95
71) Phenanthrene	17.38	178	447962	11.747	nq	94
72) Anthracene	17.47	178	450403	11.951	nq	94
73) Carbazole	17.73	167	405696	11.653	nq	94
74) Di-n-butylphthalate	18.31	149	499617	11.240	nq	# 95
75) Fluoranthene	19.39	202	516956	11.853	nq	93
77) Benzidine	19.56	184	189293	10.867	nq	99
78) Pyrene	19.74	202	533806	11.801	nq	93
80) Butylbenzylphthalate	20.64	149	203754	9.461	nq	95
81) Benzo(a)anthracene	21.57	228	489055	11.381	nq	93
82) 3,3'-Dichlorobenzidine	21.48	252	175700	10.350	nq	98
83) Chrysene	21.63	228	462717	11.333	nq	92
84) Bis(2-ethylhexyl)phthalate	21.50	149	307437	10.346	nq	94
85) Di-n-octyl phthalate	22.69	149	502476	10.058	nq	97
86) Indeno(1,2,3-cd)pyrene	28.25	276	536150	9.662	nq	# 89
88) Benzo(b)fluoranthene	23.73	252	484261	10.686	nq	96
89) Benzo(k)fluoranthene	23.79	252	486446	11.288	nq	96
90) Benzo(a)pyrene	24.56	252	441239	10.316	nq	95
91) Dibenzo(a,h)anthracene	28.32	278	455070	10.594	nq	96
92) Benzo(g,h,i)perylene	29.35	276	444048	10.407	nq	96

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