

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030620\
 Data File : BG044694.D
 Acq On : 6 Mar 2020 12:38
 Operator : CG/JU
 Sample : L1161-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Manual Integrations
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Quant Time: Mar 07 04:55:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 07 03:42:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	68606	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	282645	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	197795	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	450924	20.00	ng	0.00
76) Chrysene-d12	21.71	240	436944	20.00	ng	0.00
87) Perylene-d12	24.94	264	505804	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	642337	140.61	ng	0.00
7) Phenol-d6	7.21	99	942873	136.55	ng	0.00
23) Nitrobenzene-d5	9.22	82	646370	104.12	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	414148	152.43	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1374239	96.78	ng	0.00
79) Terphenyl-d14	20.06	244	2223161	90.82	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	16830	7.686	ng	97
3) Pyridine	3.93	79	37259	5.488	ng	# 80
4) n-Nitrosodimethylamine	3.84	42	18447	6.424	ng	# 83
6) Aniline	7.38	93	63050	7.289	ng	# 95
8) 2-Chlorophenol	7.62	128	32903	7.107	ng	87
9) Benzaldehyde	7.19	77	41986	10.360	ng	96
10) Phenol	7.24	94	47488	6.982	ng	89
11) bis(2-Chloroethyl)ether	7.48	93	39770	7.609	ng	93
12) 1,3-Dichlorobenzene	7.95	146	39443	7.163	ng	90
13) 1,4-Dichlorobenzene	8.10	146	38421	6.984	ng	98
14) 1,2-Dichlorobenzene	8.42	146	37172	7.148	ng	95
15) Benzyl Alcohol	8.29	79	38766	6.508	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.60	45	70355	7.125	ng	98
17) 2-Methylphenol	8.49	107	33305	7.146	ng	# 87
18) Hexachloroethane	9.15	117	14495	6.570	ng	96
19) n-Nitroso-di-n-propylamine	8.86	70	38252	7.415	ng	# 96
20) 3+4-Methylphenols	8.82	107	43733	6.736	ng	97
22) Acetophenone	8.88	105	66047	8.005	ng	# 92
24) Nitrobenzene	9.26	77	51781	7.867	ng	94
25) Isophorone	9.79	82	102678	7.500	ng	98
26) 2-Nitrophenol	9.97	139	14179	6.588	ng	# 82
27) 2,4-Dimethylphenol	10.03	122	33134	7.715	ng	98
28) bis(2-Chloroethoxy)methane	10.27	93	55228	7.166	ng	# 94
29) 2,4-Dichlorophenol	10.51	162	32963	6.745	ng	97
30) 1,2,4-Trichlorobenzene	10.73	180	40563	7.146	ng	95
31) Naphthalene	10.92	128	115942	7.309	ng	98
32) Benzoic acid	10.09	122	8919	2.961	ng	90
33) 4-Chloroaniline	11.02	127	50081	6.855	ng	95
34) Hexachlorobutadiene	11.22	225	25372	6.542	ng	89
35) Caprolactam	11.75	113	13787	6.758	ng	94
36) 4-Chloro-3-methylphenol	12.13	107	42033	6.792	ng	100
37) 2-Methylnaphthalene	12.52	142	92854	7.757	ng	95
38) 1-Methylnaphthalene	12.74	142	85845	7.586	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.89	216	50686	7.894	ng	97

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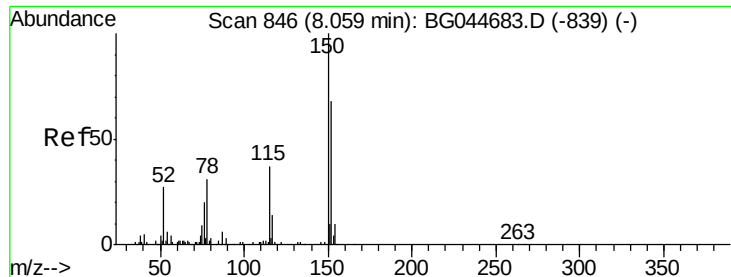
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Quant Time: Mar 07 04:55:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 07 03:42:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.88	237	29563	7.873	ng	96
43) 2,4,6-Trichlorophenol	13.12	196	29269	6.575	ng	95
44) 2,4,5-Trichlorophenol	13.19	196	31293	6.855	ng	98
46) 1,1'-Biphenyl	13.53	154	119313	7.584	ng	100
47) 2-Chloronaphthalene	13.57	162	85009	7.084	ng	92
48) 2-Nitroaniline	13.76	65	27383	6.766	ng	98
49) Acenaphthylene	14.42	152	149812	7.792	ng	98
50) Dimethylphthalate	14.15	163	121422	7.384	ng	99
51) 2,6-Dinitrotoluene	14.26	165	21659	7.330	ng	88
52) Acenaphthene	14.76	154	89619	7.209	ng	98
53) 3-Nitroaniline	14.58	138	23307	6.845	ng	97
54) 2,4-Dinitrophenol	14.78	184	6718	4.897	ng	# 26
55) Dibenzofuran	15.09	168	143469	7.702	ng	99
56) 4-Nitrophenol	14.87	139	18182	6.863	ng	# 86
57) 2,4-Dinitrotoluene	15.04	165	26505	6.713	ng	# 91
58) Fluorene	15.74	166	120234	7.804	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.31	232	30142m	6.937	ng	
60) Diethylphthalate	15.51	149	131580	7.484	ng	98
61) 4-Chlorophenyl-phenylether	15.74	204	61086	7.307	ng	96
62) 4-Nitroaniline	15.73	138	24334	6.488	ng	95
63) Azobenzene	16.03	77	143812	7.817	ng	99
65) 4,6-Dinitro-2-methylphenol	15.80	198	12307	6.681	ng	91
66) n-Nitrosodiphenylamine	15.94	169	104753	7.598	ng	98
67) 4-Bromophenyl-phenylether	16.63	248	38819	6.826	ng	# 85
68) Hexachlorobenzene	16.75	284	42704	6.954	ng	94
69) Atrazine	16.90	200	47945	8.999	ng	93
70) Pentachlorophenol	17.09	266	21723	6.234	ng	95
71) Phenanthrene	17.48	178	196716m	7.956	ng	
72) Anthracene	17.57	178	203731	8.366	ng	97
73) Carbazole	17.84	167	188027	8.062	ng	94
74) Di-n-butylphthalate	18.42	149	237390	8.082	ng	# 96
75) Fluoranthene	19.49	202	248821	8.327	ng	95
77) Benzidine	19.66	184	151854	8.706	ng	97
78) Pyrene	19.85	202	251422	7.544	ng	96
80) Butylbenzylphthalate	20.75	149	100411	6.750	ng	96
81) Benzo(a)anthracene	21.70	228	249632	7.618	ng	97
82) 3,3'-Dichlorobenzidine	21.61	252	103812	7.957	ng	# 96
83) Chrysene	21.76	228	233340	7.482	ng	98
84) Bis(2-ethylhexyl)phthalate	21.64	149	152324	7.343	ng	97
85) Di-n-octyl phthalate	22.87	149	249448	7.002	ng	99
86) Indeno(1,2,3-cd)pyrene	28.61	276	290850	7.061	ng	93
88) Benzo(b)fluoranthene	23.92	252	247450	7.188	ng	# 93
89) Benzo(k)fluoranthene	23.98	252	245416	7.606	ng	94
90) Benzo(a)pyrene	24.78	252	228339	7.122	ng	93
91) Dibenzo(a,h)anthracene	28.68	278	238477	7.459	ng	# 93
92) Benzo(g,h,i)perylene	29.73	276	236567	7.387	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.06 min Scan# 847

Delta R.T. 0.01 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

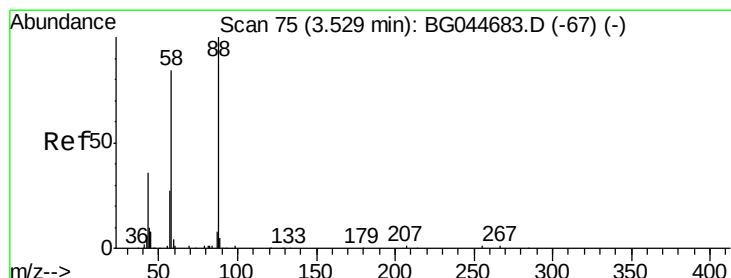
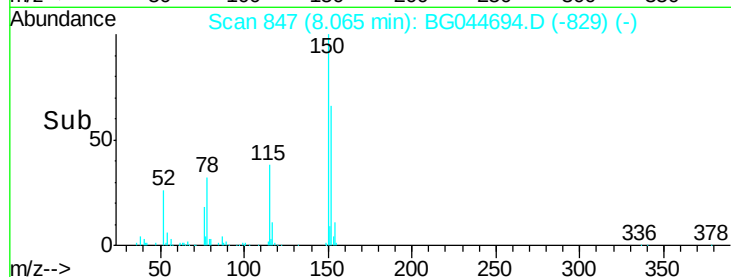
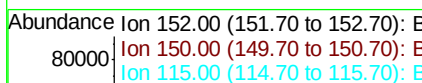
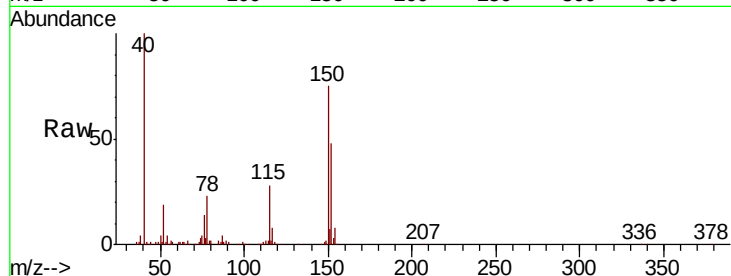
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	152	Resp:	68606
Ion	Ratio	Lower	Upper
152	100		
150	155.7	118.6	177.8
115	58.0	43.6	65.4

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#2

1,4-Dioxane

Concen: 7.686 ng

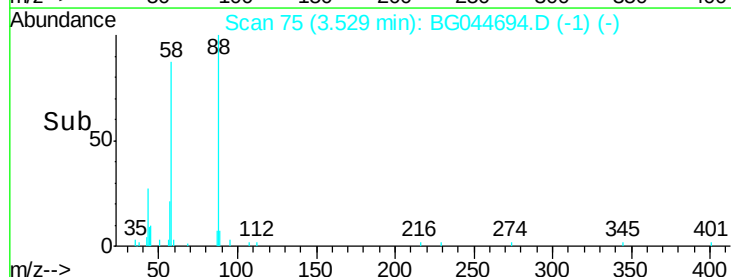
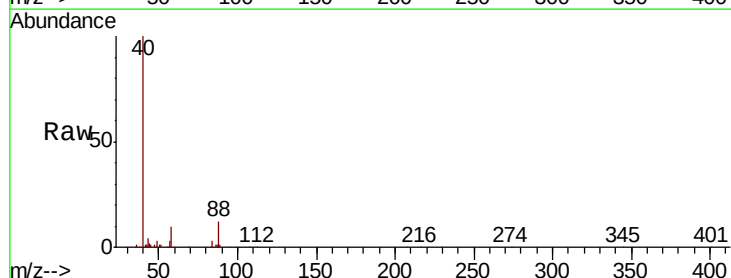
RT: 3.53 min Scan# 75

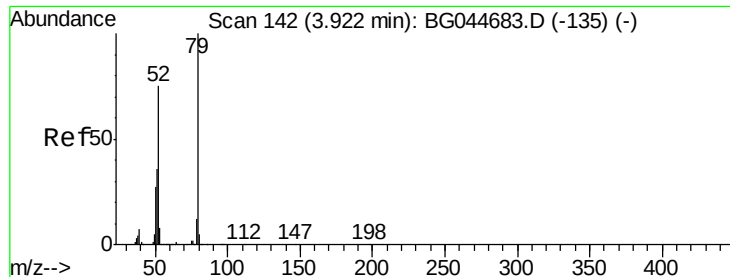
Delta R.T. 0.00 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Tgt Ion:	88	Resp:	16830
Ion	Ratio	Lower	Upper
88	100		
58	79.8	66.6	99.8
43	33.3	27.4	41.2





#3

Pvridine

Concen: 5.488 ng

RT: 3.93 min Scan# 143

Delta R.T. 0.01 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

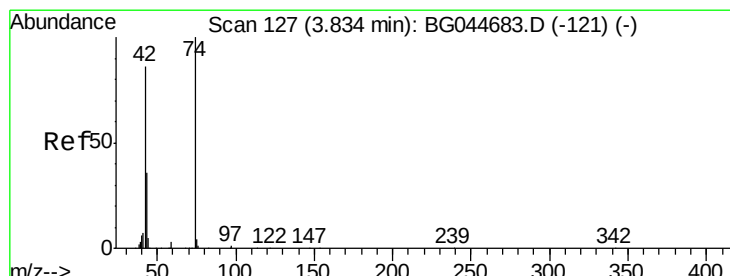
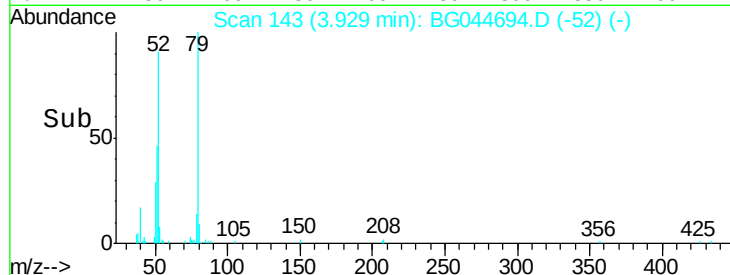
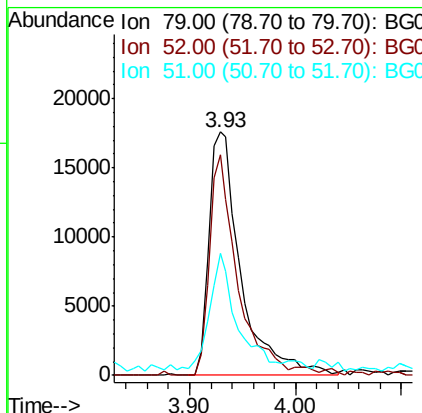
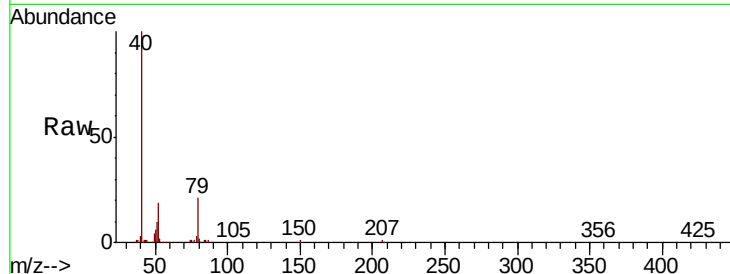
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	79	Resp:	37259
Ion Ratio	Lower	Upper	
79	100		
52	90.5	59.9	89.9#
51	50.0	29.3	43.9#

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#4

n-Nitrosodimethylamine

Concen: 6.424 ng

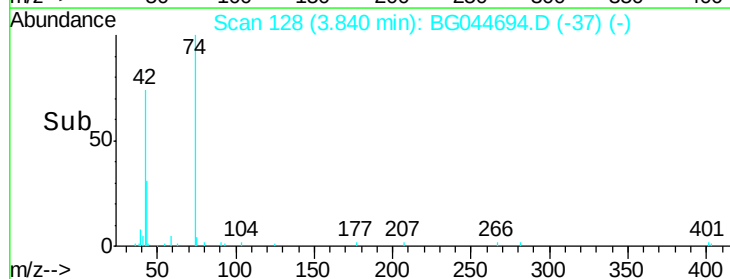
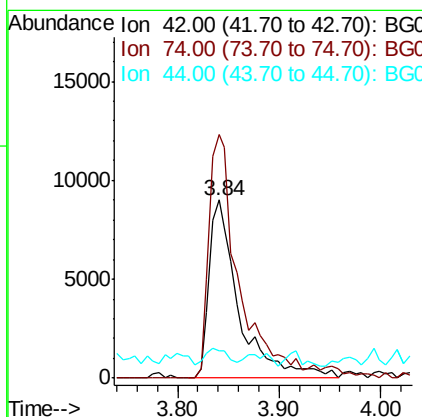
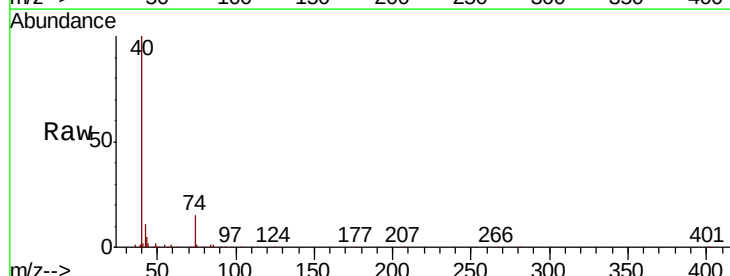
RT: 3.84 min Scan# 128

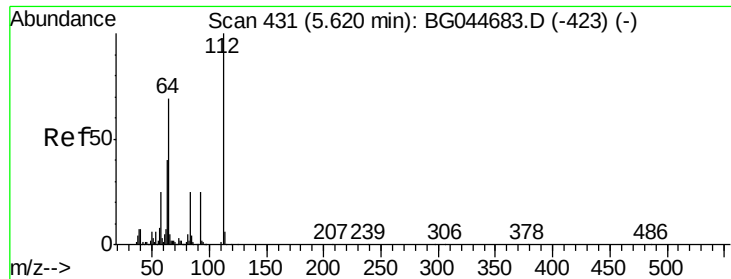
Delta R.T. 0.01 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Tgt Ion:	42	Resp:	18447
Ion Ratio	Lower	Upper	
42	100		
74	136.6	93.4	140.2
44	15.2	8.9	13.3#





#5

2-Fluorophenol

Concen: 140.612 ng

RT: 5.63 min Scan# 432

Delta R.T. 0.01 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

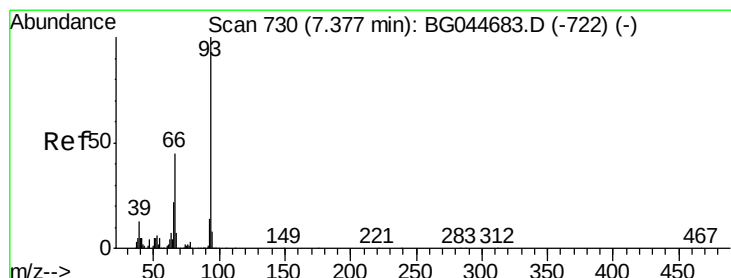
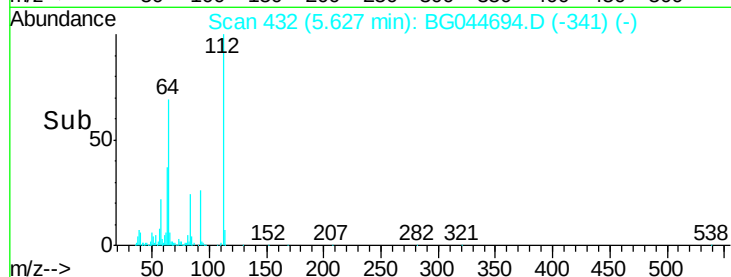
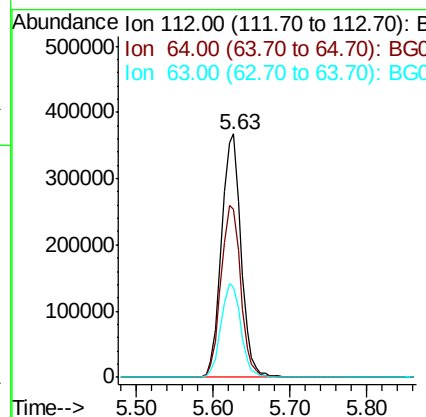
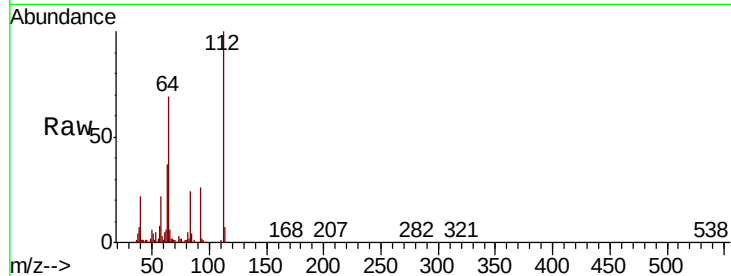
ClientSampleId :

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Tot Ion:	112	Resp:	642337
Ion Ratio	Lower	Upper	
112	100		
64	69.1	55.4	83.0
63	37.0	32.1	48.1

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#6

Aniline

Concen: 7.289 ng

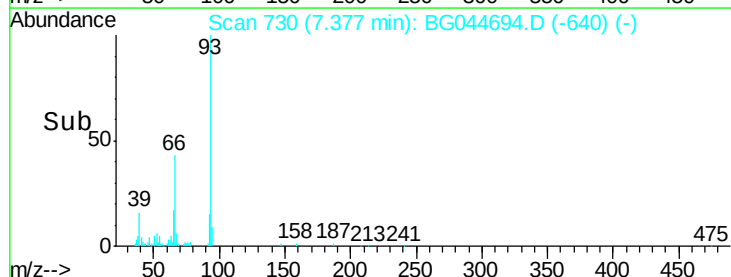
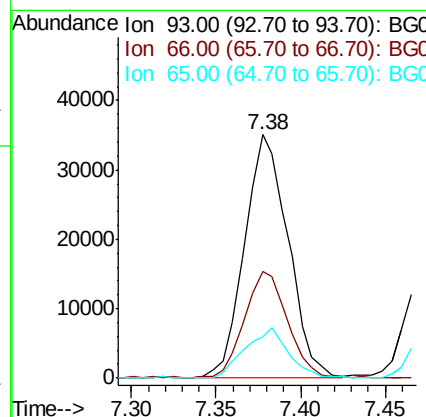
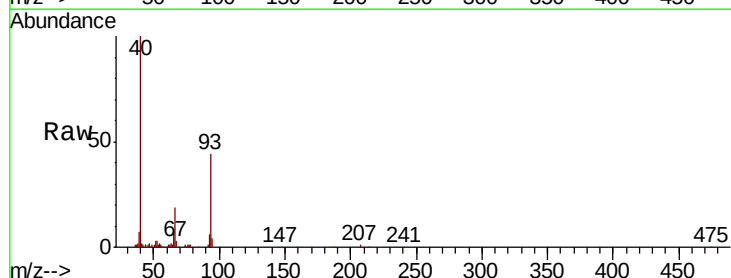
RT: 7.38 min Scan# 730

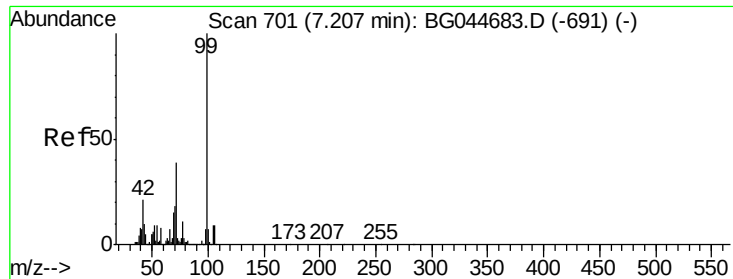
Delta R.T. 0.00 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Tgt Ion:	93	Resp:	63050
Ion Ratio	Lower	Upper	
93	100		
66	43.8	35.8	53.8
65	17.0	17.9	26.9#





#7

Phenol-d6

Concen: 136.550 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

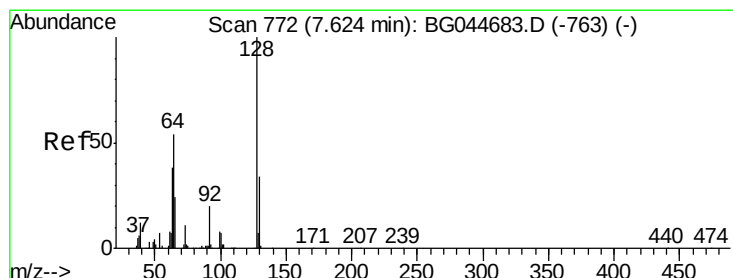
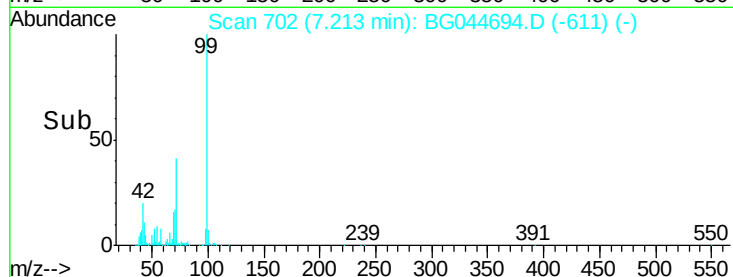
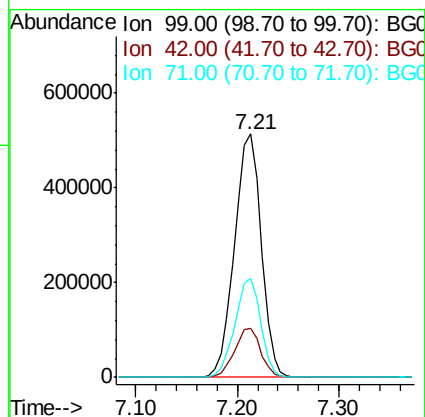
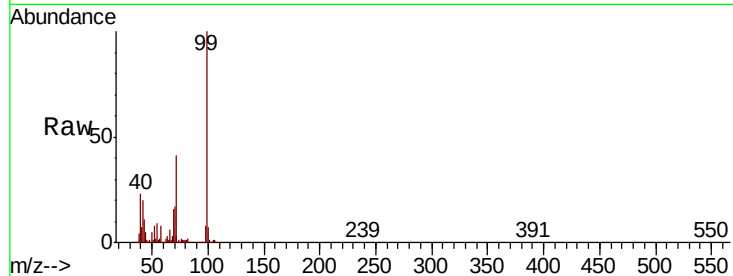
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	99	Resp:	942873
Ion Ratio	Lower	Upper	
99	100		
42	20.0	16.5	24.7
71	40.7	30.9	46.3

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#8

2-Chlorophenol

Concen: 7.107 ng

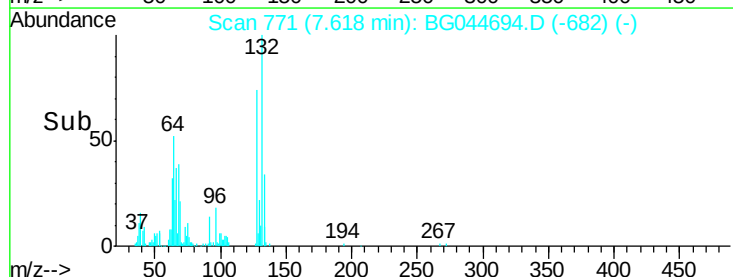
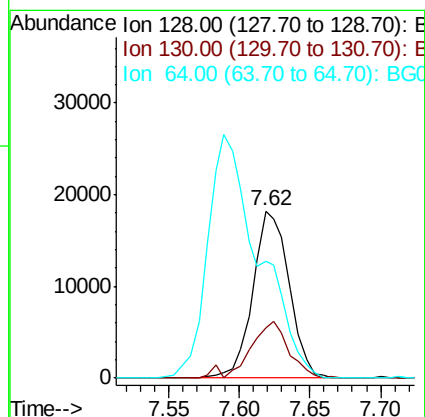
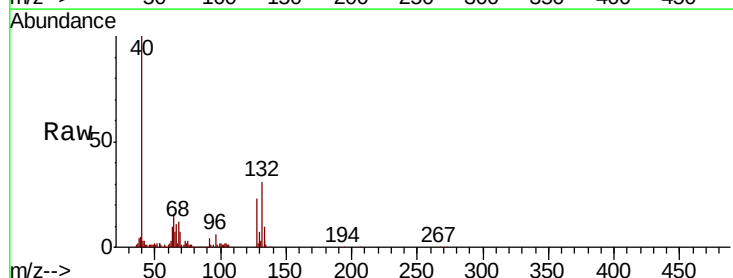
RT: 7.62 min Scan# 771

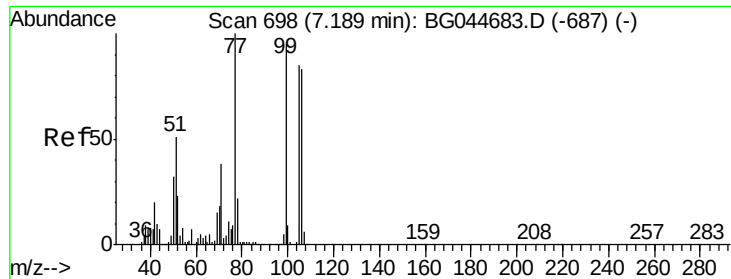
Delta R.T. -0.01 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Tgt Ion:	128	Resp:	32903
Ion Ratio	Lower	Upper	
128	100		
130	30.0	14.0	54.0
64	70.0	37.6	77.6





#9

Benzaldehyde

Concen: 10.360 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

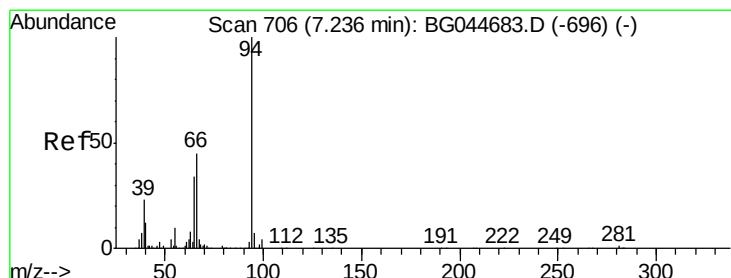
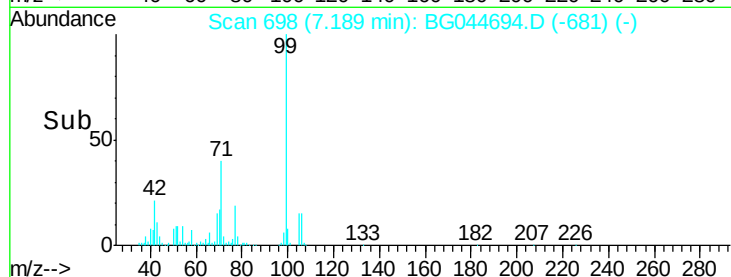
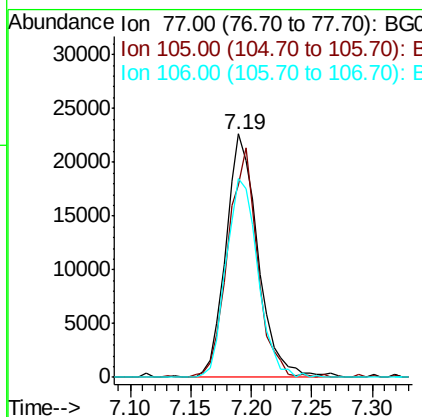
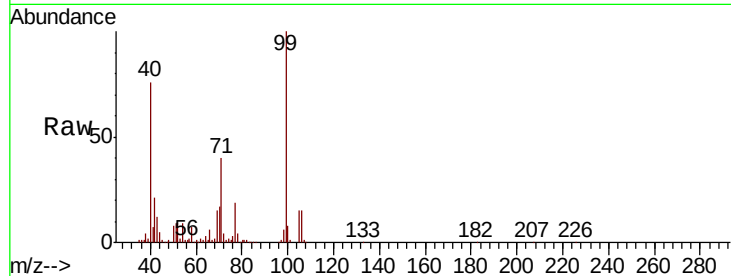
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	77	Resp:	41986
Ion	Ratio	Lower	Upper
77	100		
105	79.1	65.1	105.1
106	81.6	63.1	103.1

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#10

Phenol

Concen: 6.982 ng

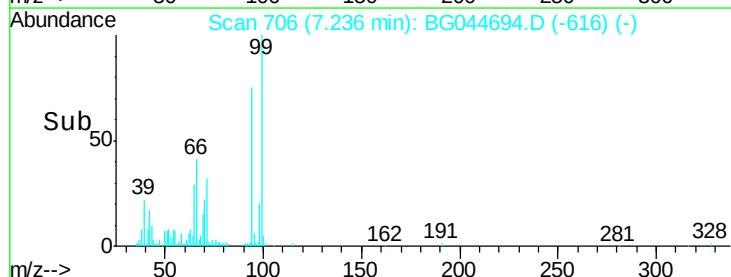
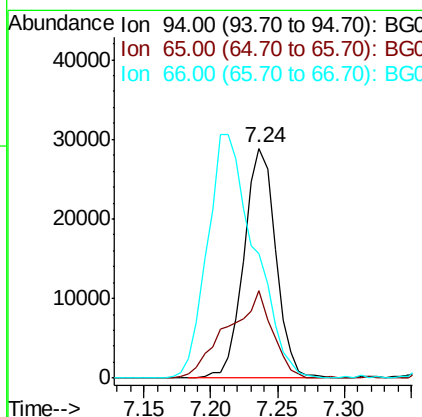
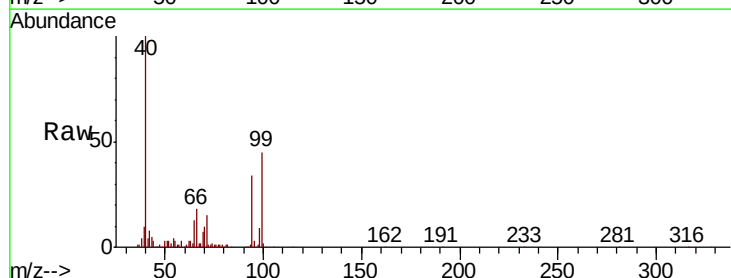
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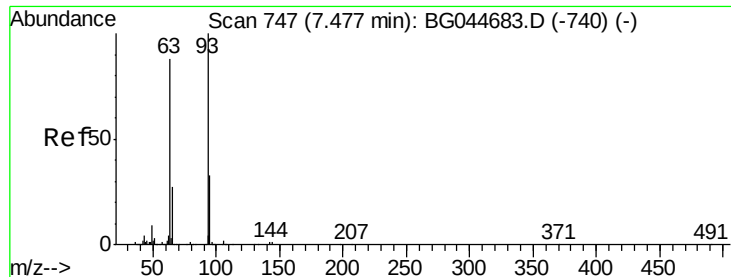
Delta R.T. 0.00 min

Lab File: BG044694.D

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Tgt Ion:	94	Resp:	47488
Ion	Ratio	Lower	Upper
94	100		
65	38.4	13.5	53.5
66	54.3	25.8	65.8





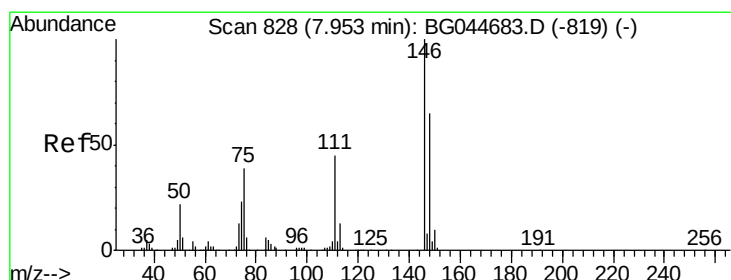
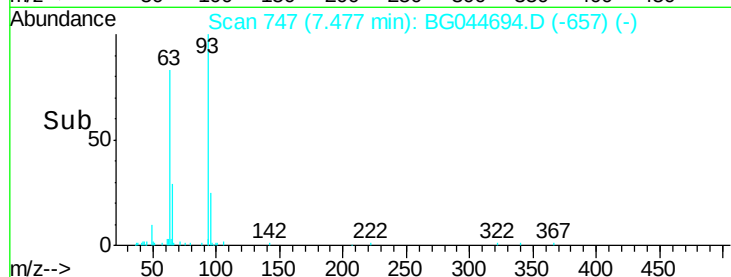
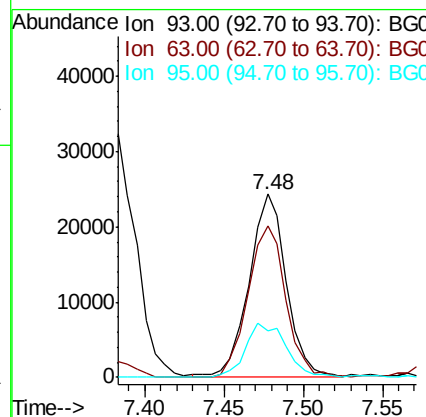
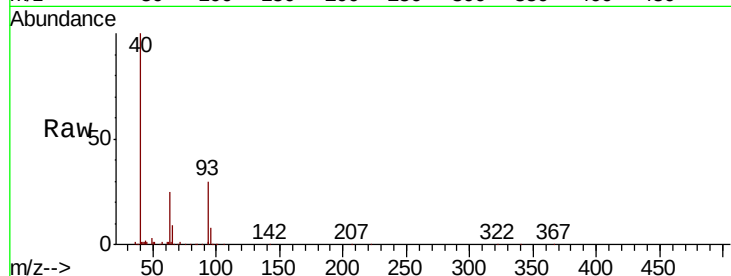
#11
bis(2-Chloroethyl)ether
Concen: 7.609 ng
RT: 7.48 min Scan# 747
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
93	100		
63	82.9	67.8	107.8
95	25.5	13.0	53.0

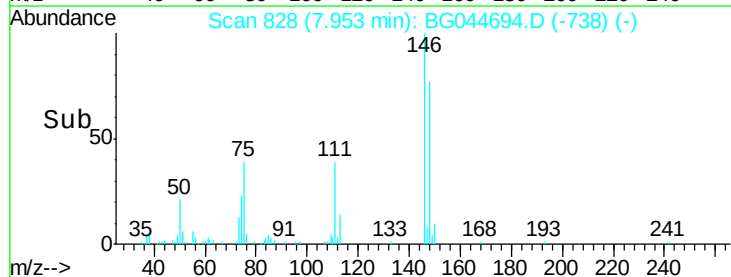
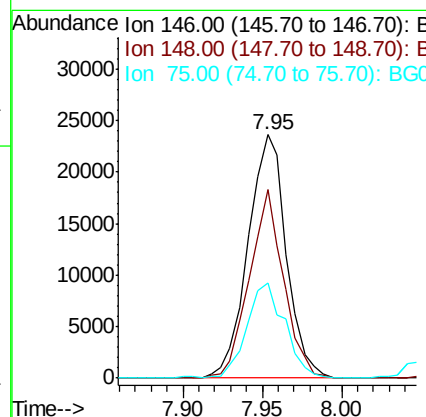
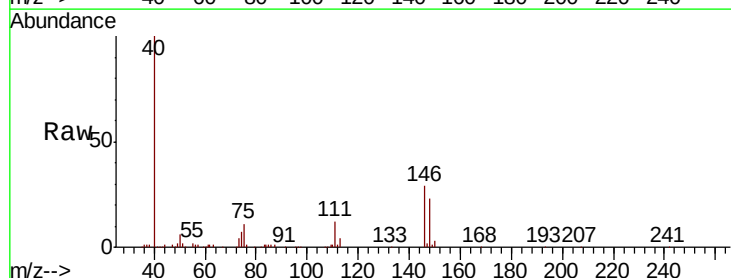
Manual Integrations
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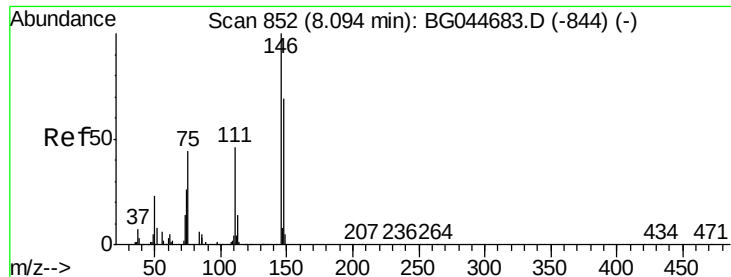
mohammad
3/9/2020 3:07:48 PM



#12
1,3-Dichlorobenzene
Concen: 7.163 ng
RT: 7.95 min Scan# 828
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
148	77.3	51.9	77.9
75	39.1	31.0	46.6





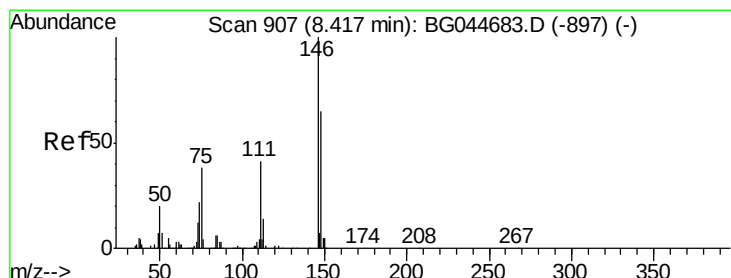
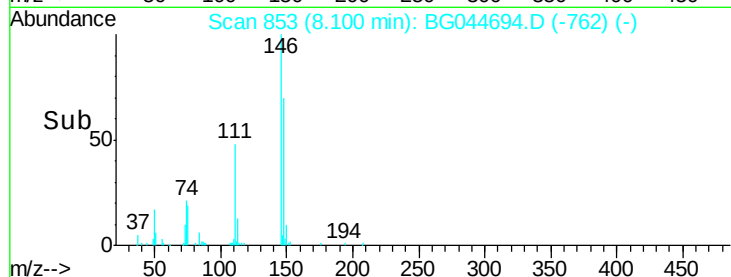
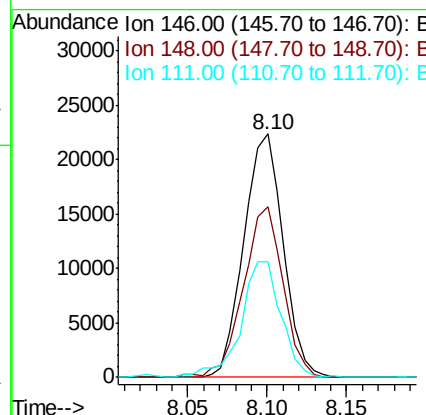
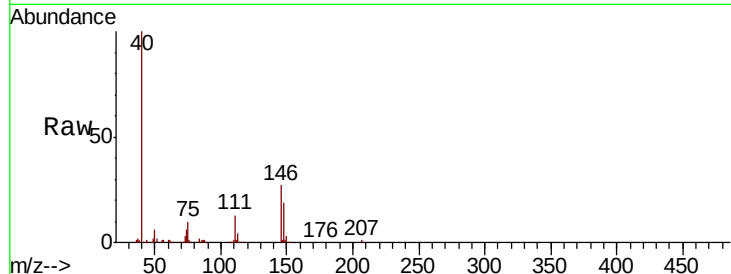
#13
 1,4-Dichlorobenzene
 Concen: 6.984 ng
 RT: 8.10 min Scan# 853
 Delta R.T. 0.01 min
 Lab File: BG044694.D
 Acq: 6 Mar 2020 12:38

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	69.8	55.0	82.4
111	47.7	37.2	55.8

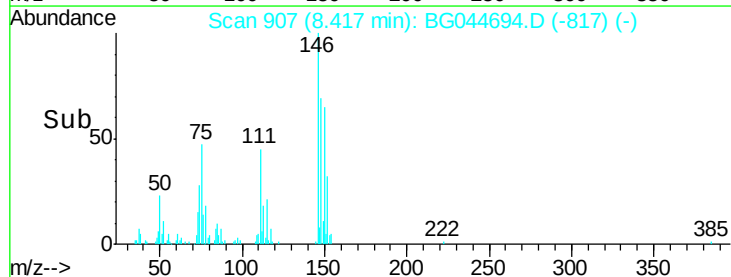
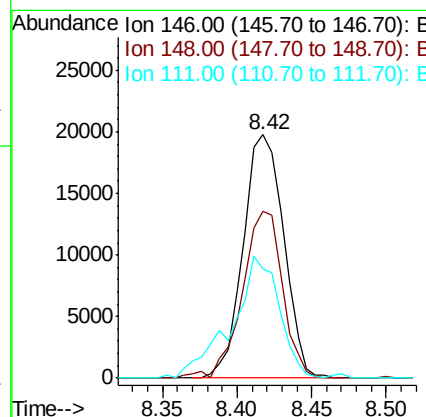
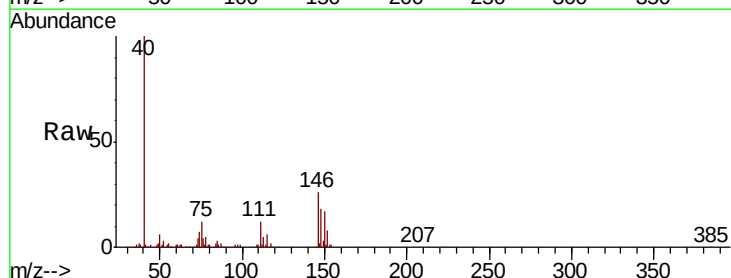
Manual Integrations
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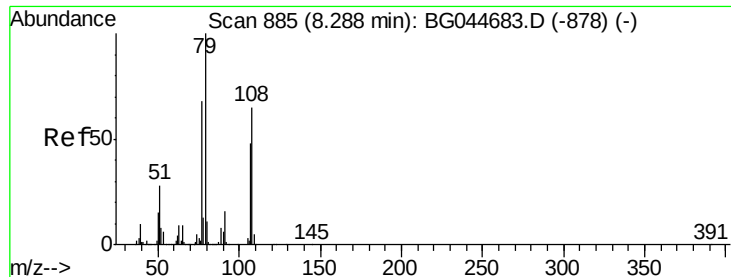
mohammad
 3/9/2020 3:07:48 PM



#14
 1,2-Dichlorobenzene
 Concen: 7.148 ng
 RT: 8.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: BG044694.D
 Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
148	68.7	51.8	77.8
111	45.0	33.4	50.0





#15

Benzyl Alcohol

Concen: 6.508 ng

RT: 8.29 min Scan# 886

Delta R.T. 0.01 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

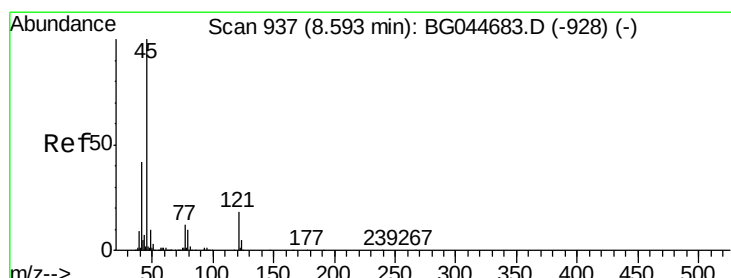
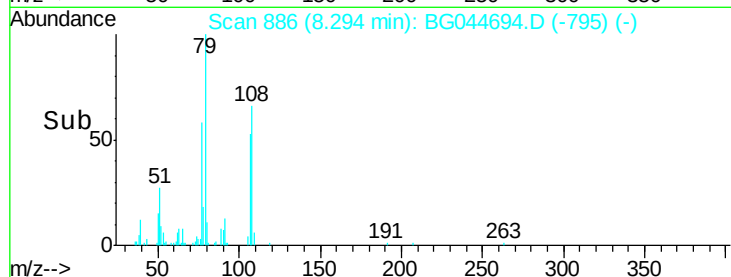
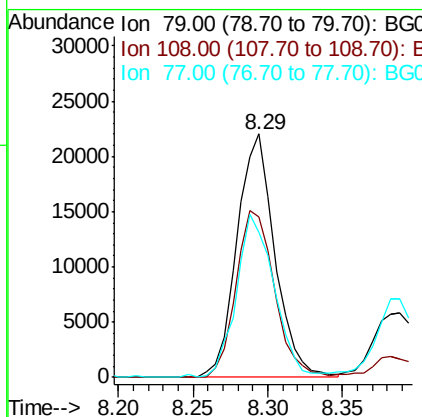
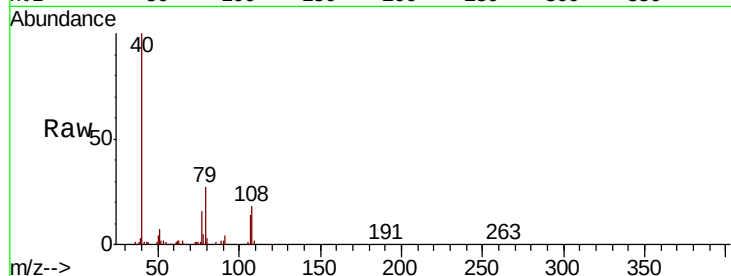
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	79	Resp:	38766
Ion	Ratio	Lower	Upper
79	100		
108	65.8	52.2	78.4
77	59.3	54.2	81.2

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 7.125 ng

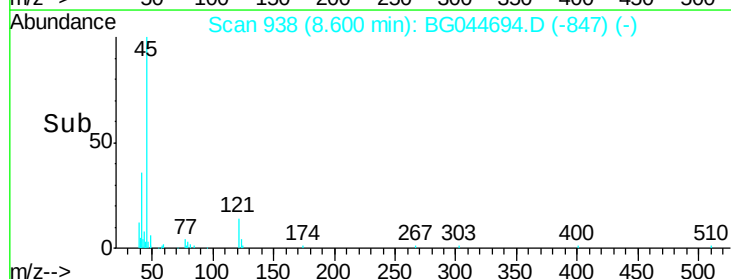
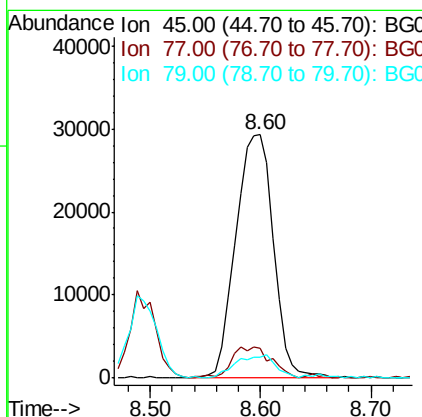
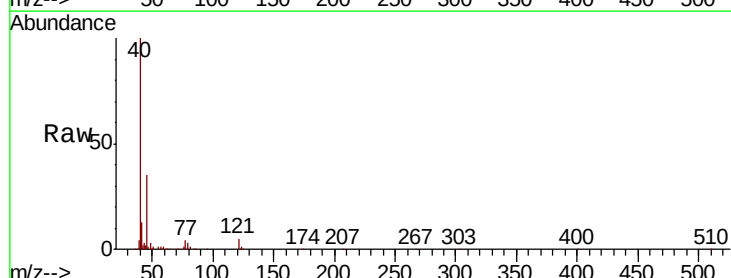
RT: 8.60 min Scan# 938

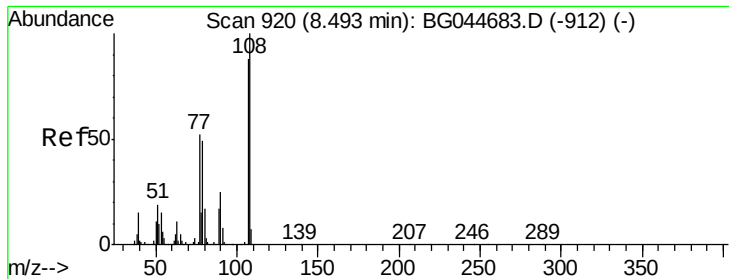
Delta R.T. 0.01 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Tgt Ion:	45	Resp:	70355
Ion	Ratio	Lower	Upper
45	100		
77	12.5	0.0	32.1
79	8.5	0.0	29.9





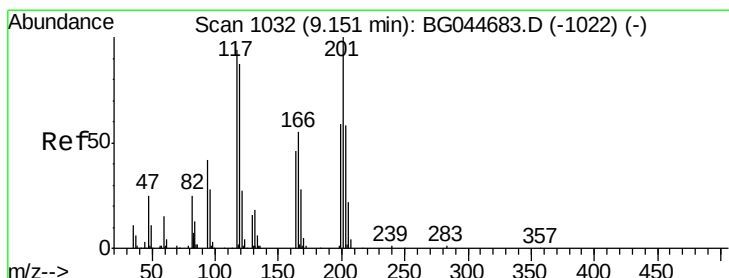
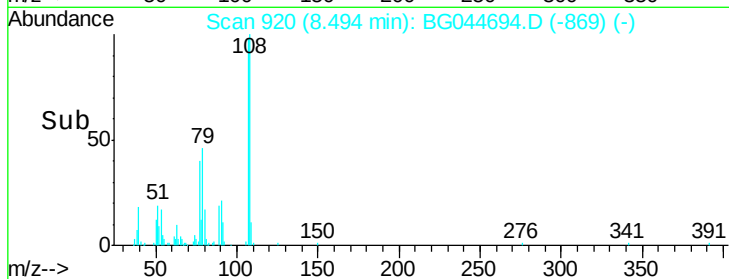
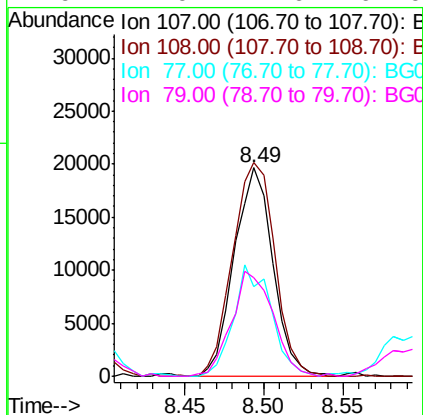
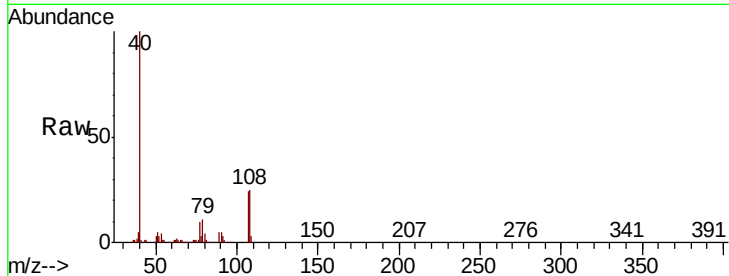
#17
2-Methylphenol
Concen: 7.146 ng
RT: 8.49 min Scan# 920
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	102.5	90.5	135.7	
77	42.8	47.3	70.9	
79	47.0	44.6	67.0	

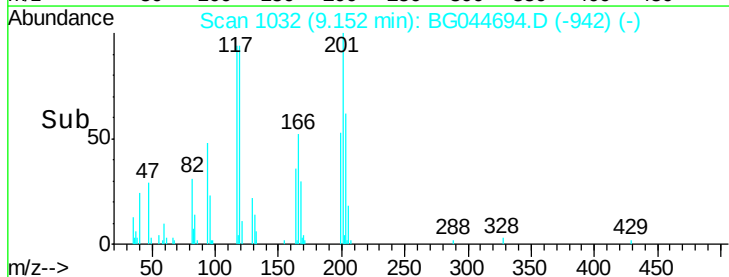
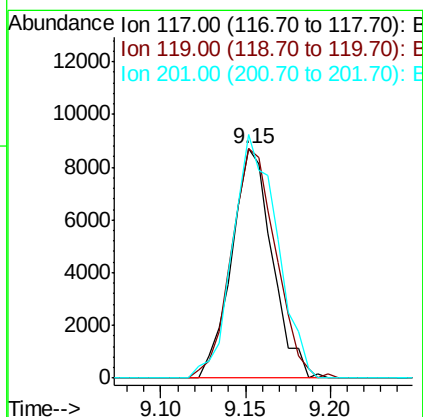
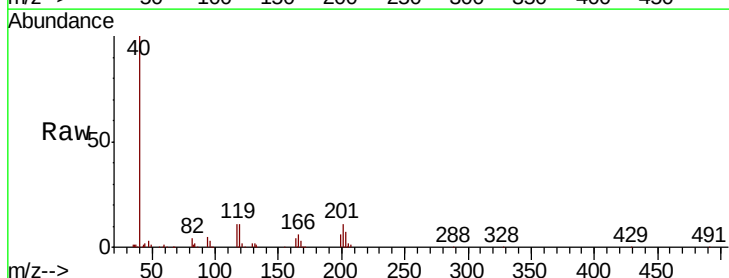
Manual Integrations
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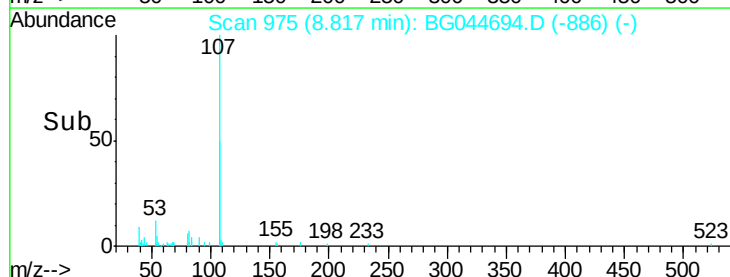
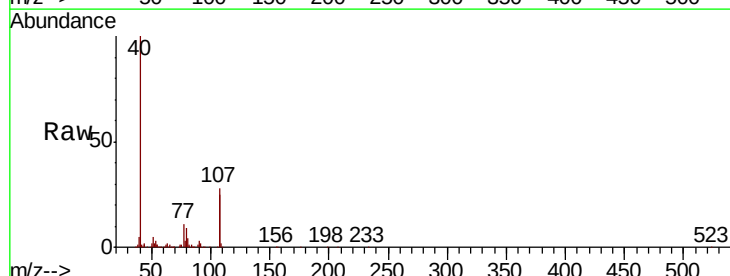
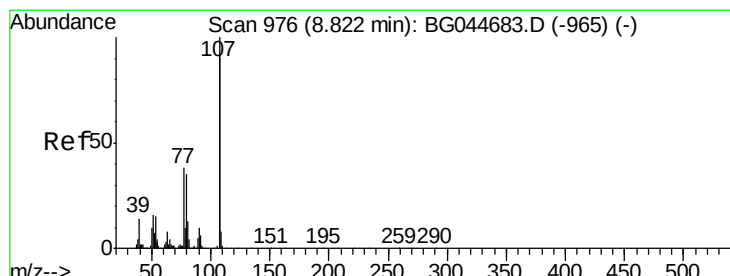
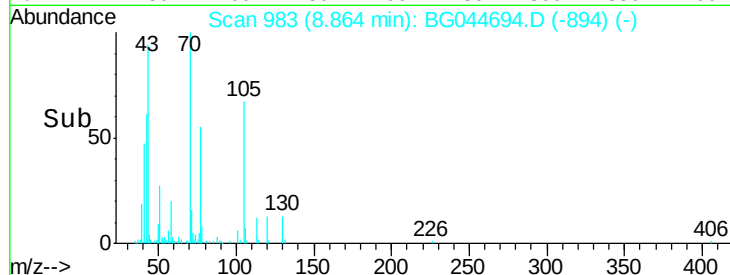
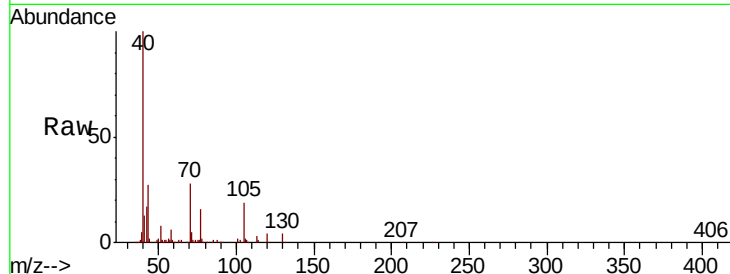
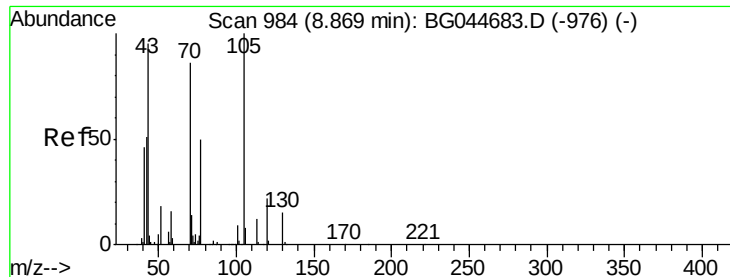
mohammad
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#18
Hexachloroethane
Concen: 6.570 ng
RT: 9.15 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	100.3	74.5	111.7	
201	106.3	85.5	128.3	





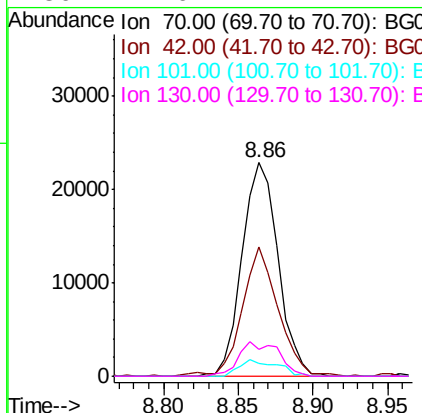
#19
n-Nitroso-di-n-propylamine
Concen: 7.415 ng
RT: 8.86 min Scan# 983
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
70	100		
42	60.6	48.9	73.3
101	6.3	8.0	12.0
130	12.6	14.1	21.1

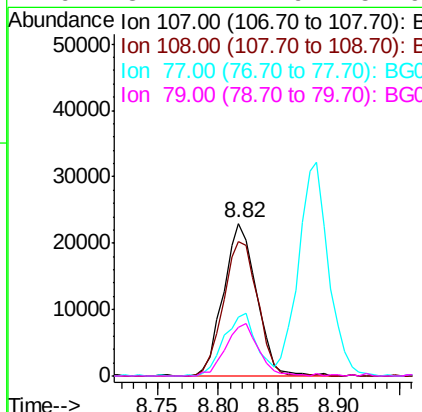
Manual Integrations
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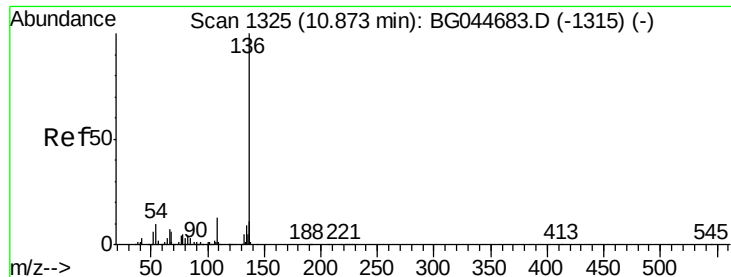
mohammad
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#20
3+4-Methylphenols
Concen: 6.736 ng
RT: 8.82 min Scan# 975
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.0	70.8	110.8
77	38.8	17.8	57.8
79	32.2	14.9	54.9





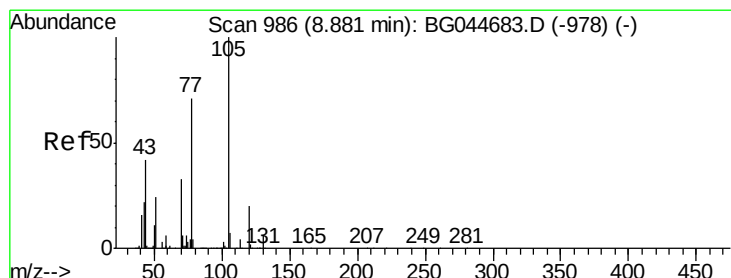
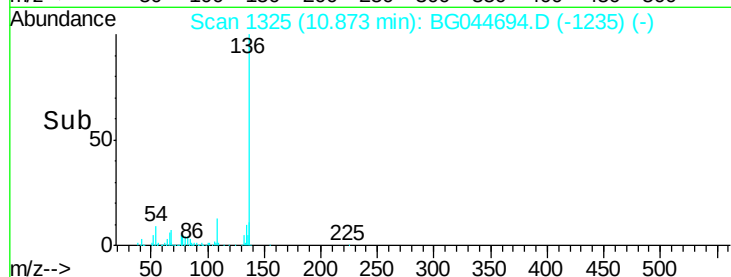
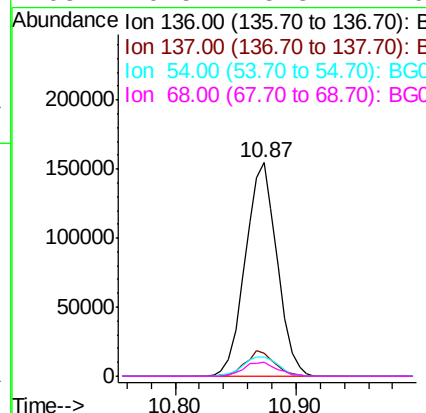
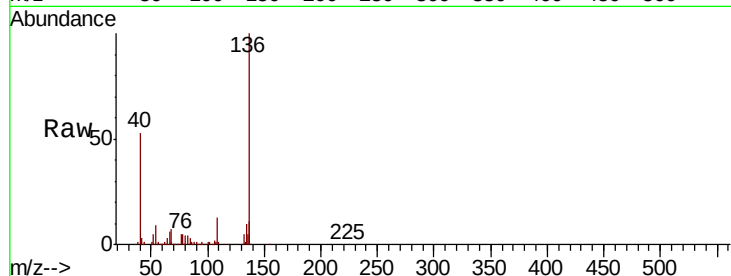
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100	282645		
137	11.0	8.6	12.8	
54	8.8	8.2	12.4	
68	6.5	5.3	7.9	

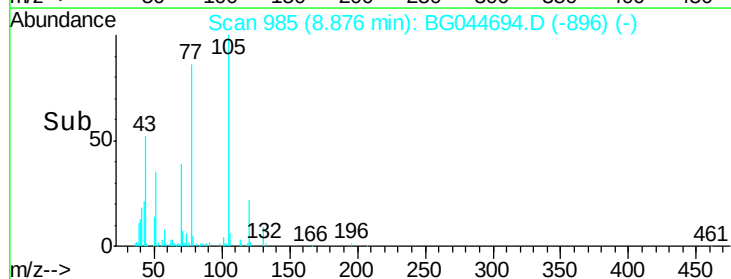
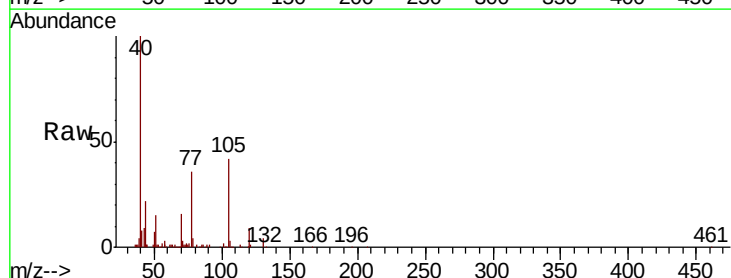
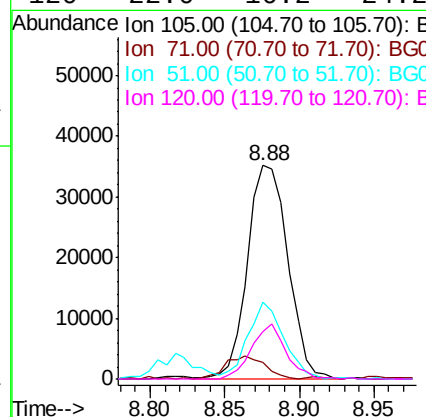
Manual Integrations
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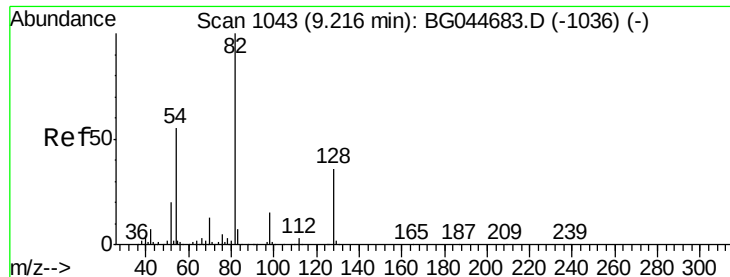
mohammad
3/9/2020 3:07:48 PM



#22
Acetophenone
Concen: 8.005 ng
RT: 8.88 min Scan# 985
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	66047		
71	7.7	4.8	7.2#	
51	35.7	24.0	36.0	
120	22.0	16.2	24.2	





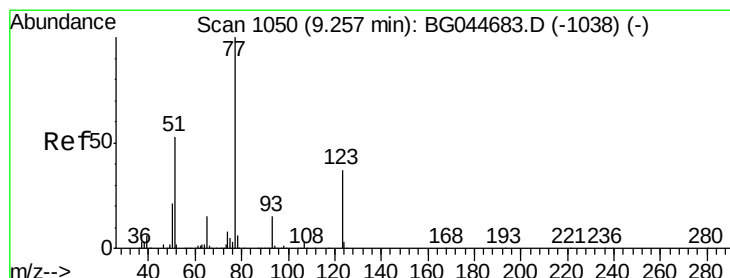
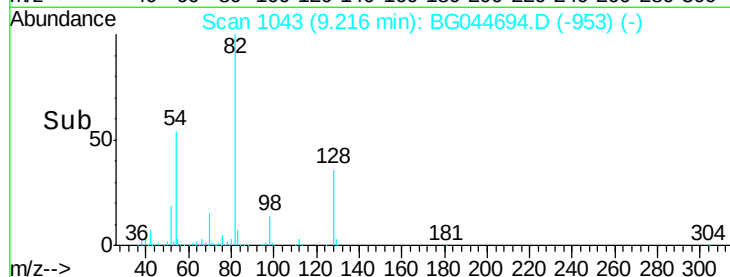
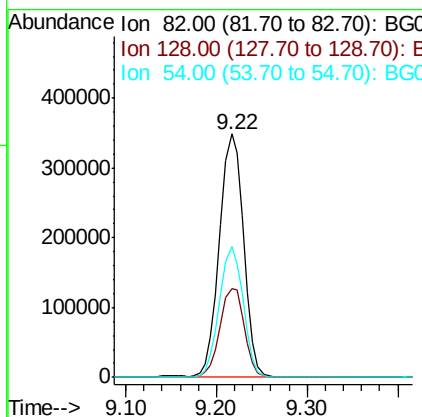
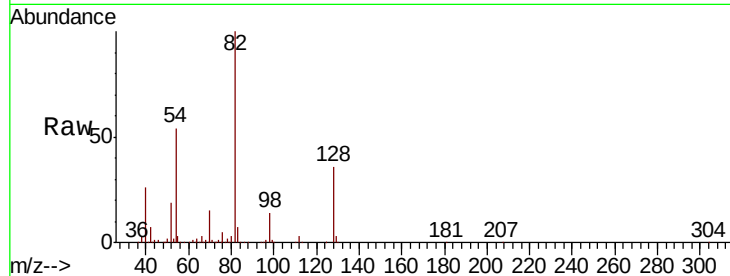
#23
Nitrobenzene-d5
Concen: 104.122 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.2	28.5	42.7
54	54.0	43.6	65.4

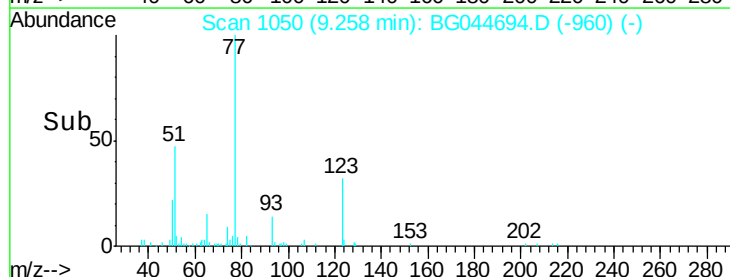
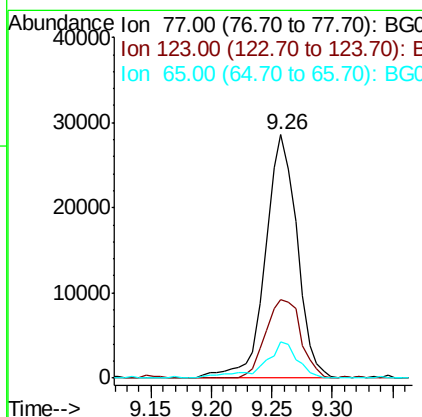
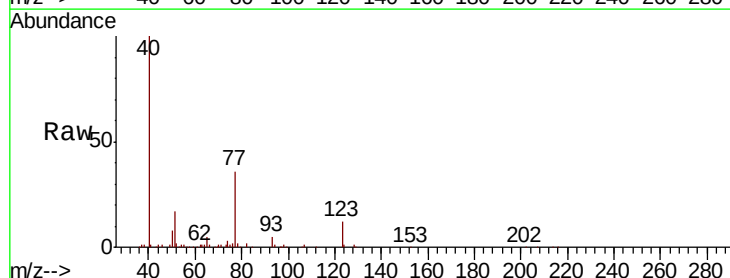
Manual Integrations
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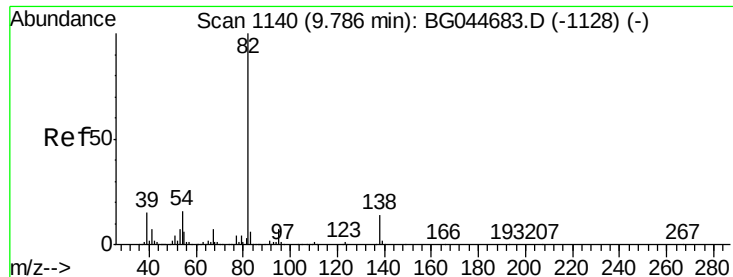
mohammad
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#24
Nitrobenzene
Concen: 7.867 ng
RT: 9.26 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
77	100		
123	32.4	29.7	44.5
65	15.0	11.7	17.5





#25

Isophorone

Concen: 7.500 ng

RT: 9.79 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

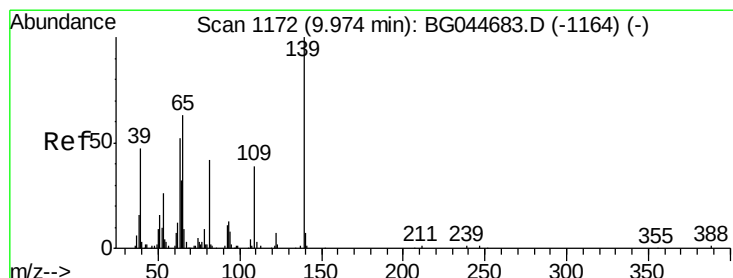
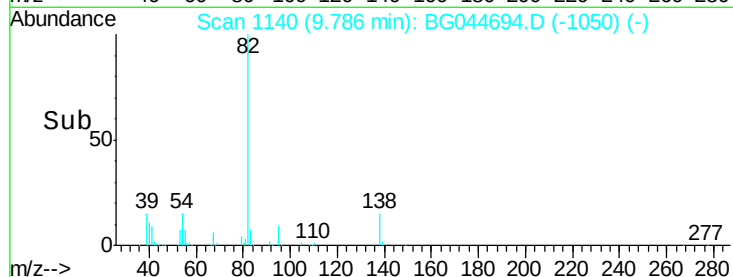
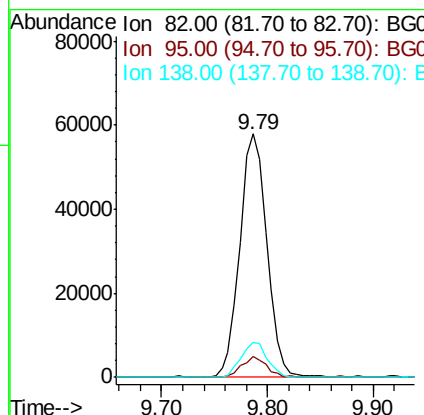
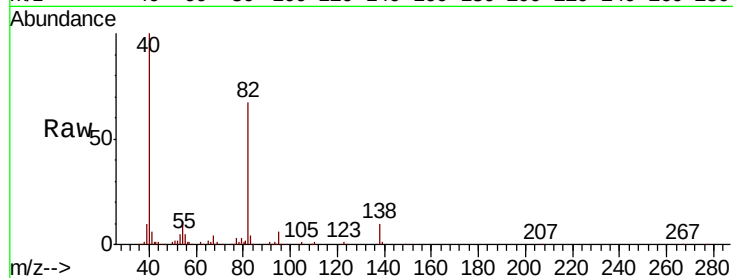
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	82	Resp:	102678
Ion Ratio		Lower	Upper
82	100		
95	8.4	6.0	9.0
138	14.5	11.2	16.8

Manual Integrations
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#26

2-Nitrophenol

Concen: 6.588 ng

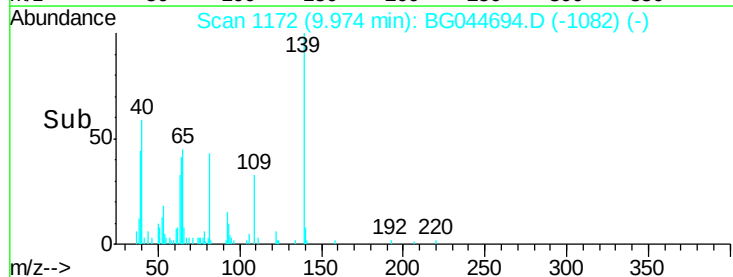
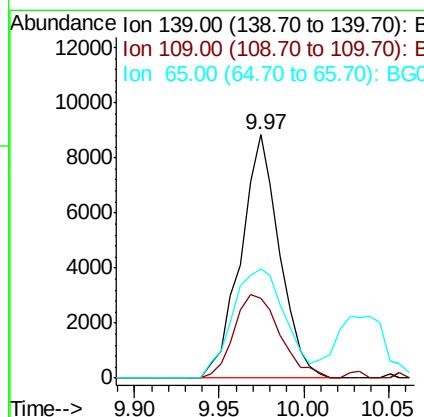
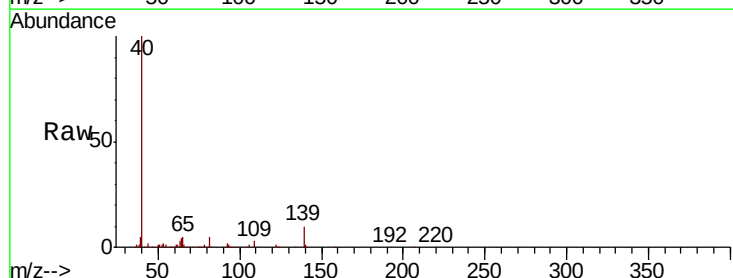
RT: 9.97 min Scan# 1172

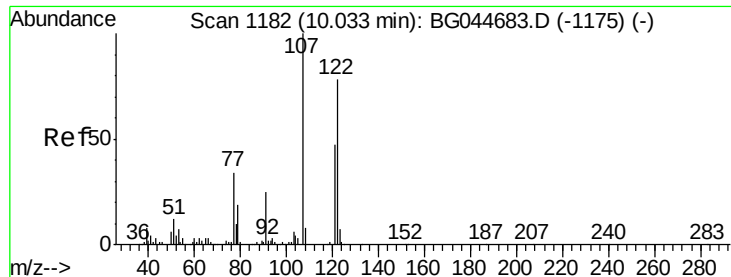
Delta R.T. 0.00 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Tgt Ion:	139	Resp:	14179
Ion Ratio		Lower	Upper
139	100		
109	32.5	31.1	46.7
65	44.8	50.2	75.4#





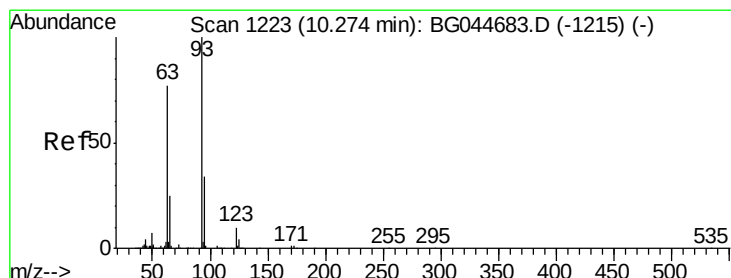
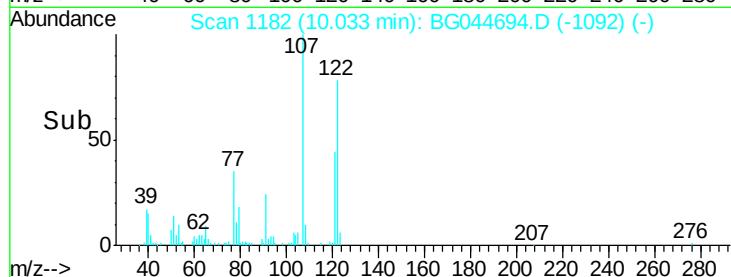
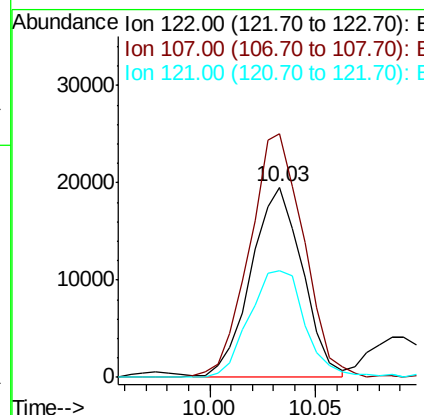
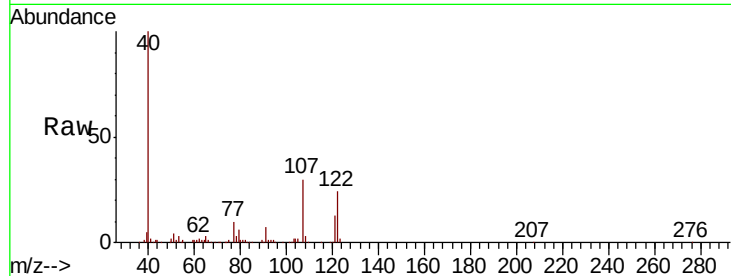
#27
2,4-Dimethylphenol
Concen: 7.715 ng
RT: 10.03 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	128.0	101.7	152.5
121	56.0	47.5	71.3

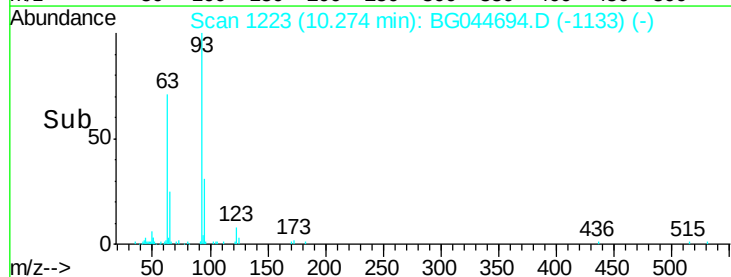
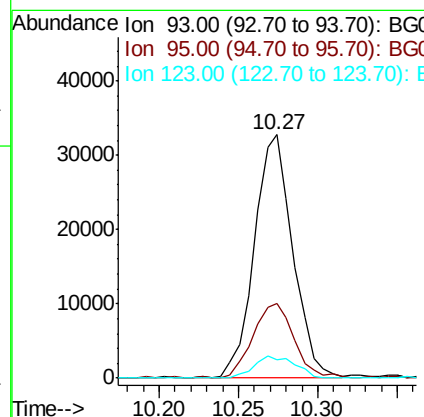
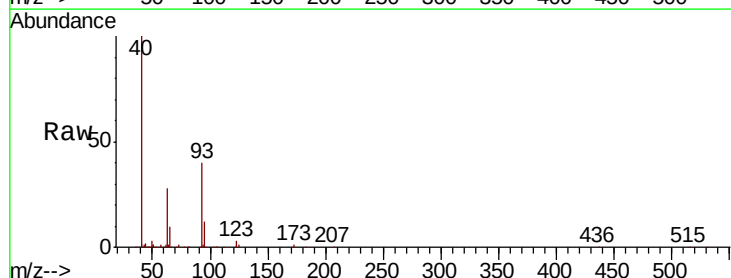
Manual Integrations
APPROVED

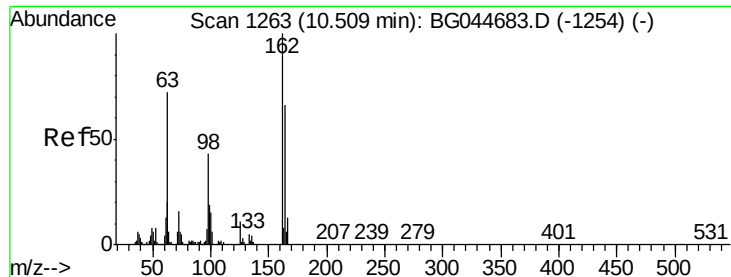
mohammad
3/9/2020 3:07:48 PM



#28
bis(2-Chloroethoxy)methane
Concen: 7.166 ng
RT: 10.27 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	30.9	27.0	40.6
123	7.8	8.3	12.5#





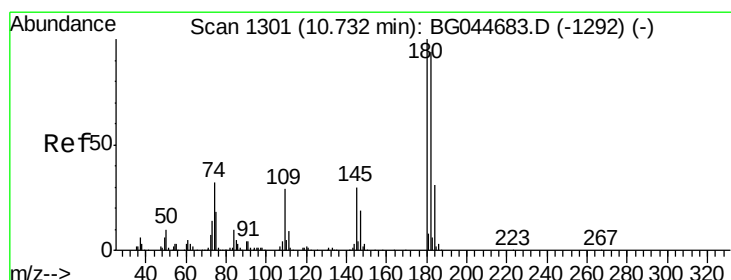
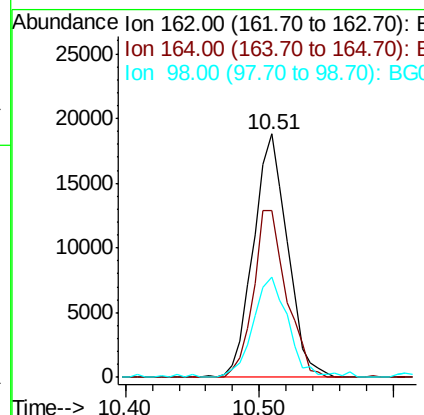
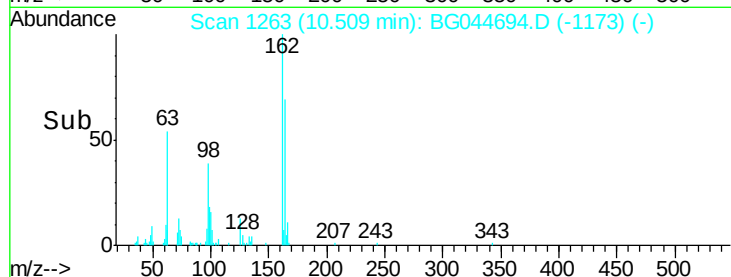
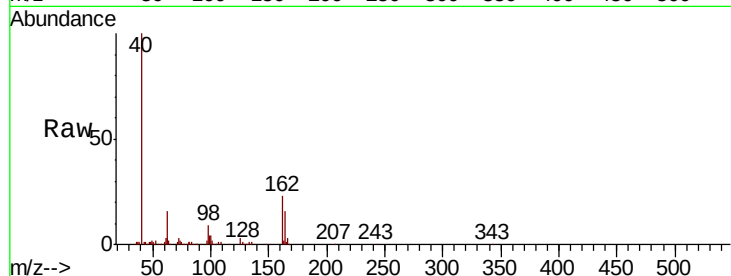
#29
2,4-Dichlorophenol
Concen: 6.745 ng
RT: 10.51 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	68.5	46.1	86.1
98	41.4	22.8	62.8

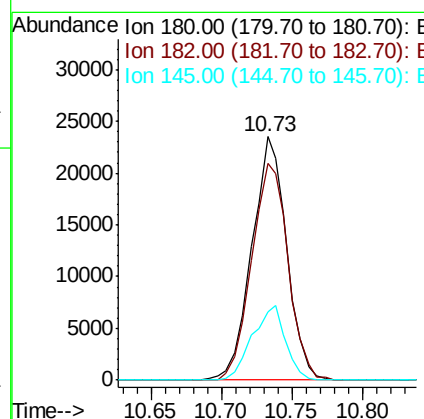
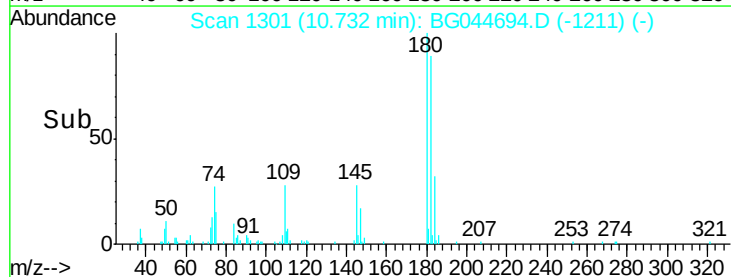
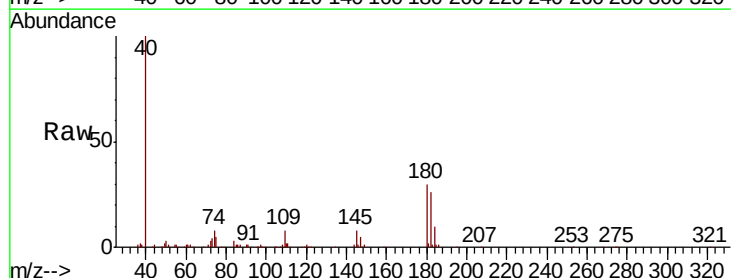
Manual Integrations
APPROVED

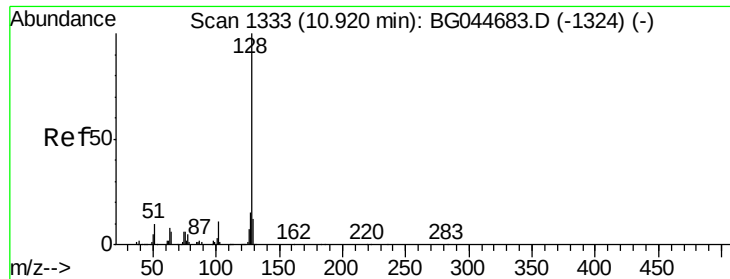
mohammad
3/9/2020 3:07:48 PM



#30
1,2,4-Trichlorobenzene
Concen: 7.146 ng
RT: 10.73 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.8	75.1	112.7
145	27.9	23.8	35.8





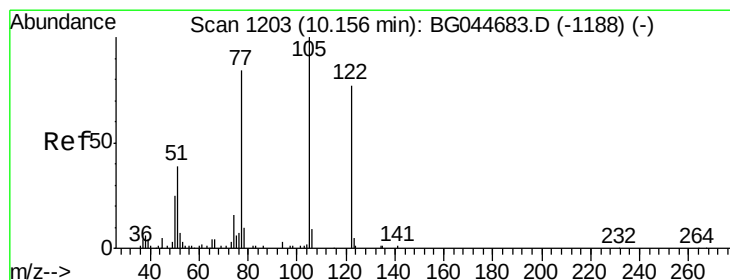
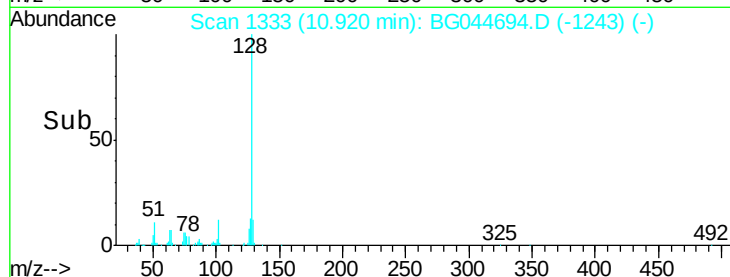
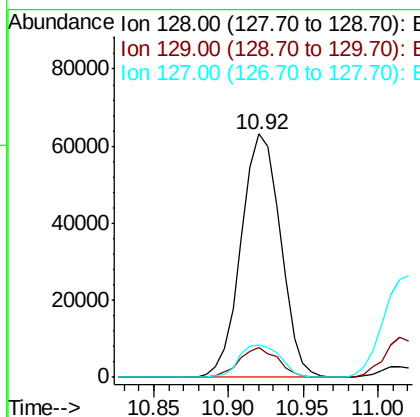
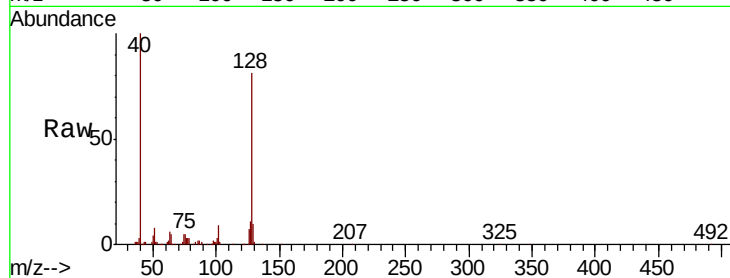
#31
Naphthalene
Concen: 7.309 ng
RT: 10.92 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.7	14.5
127	13.2	11.6	17.4

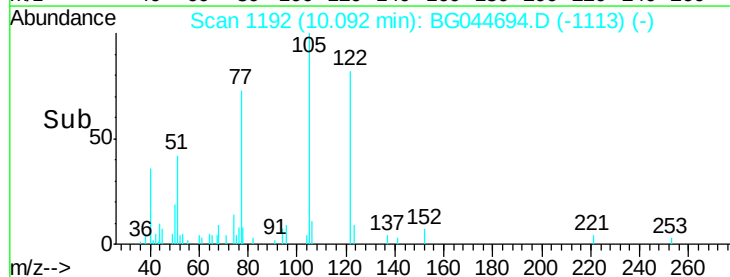
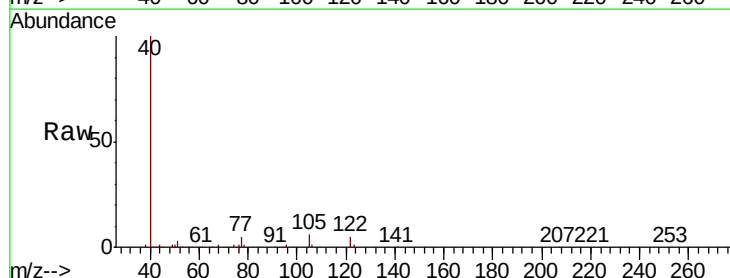
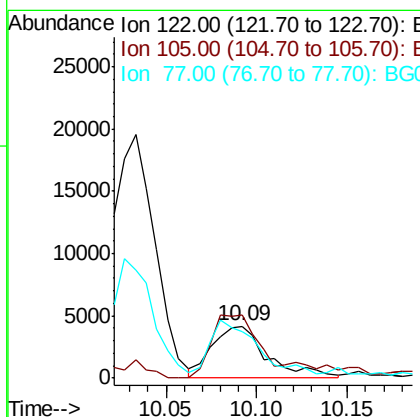
Manual Integrations
APPROVED

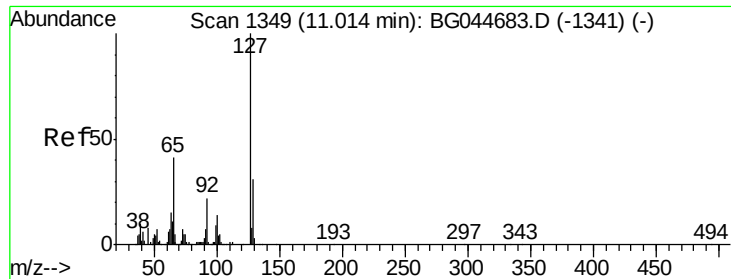
mohammad
3/9/2020 3:07:48 PM



#32
Benzoic acid
Concen: 2.961 ng
RT: 10.09 min Scan# 1192
Delta R.T. -0.06 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
122	100		
105	121.5	105.1	145.1
77	88.4	87.7	127.7





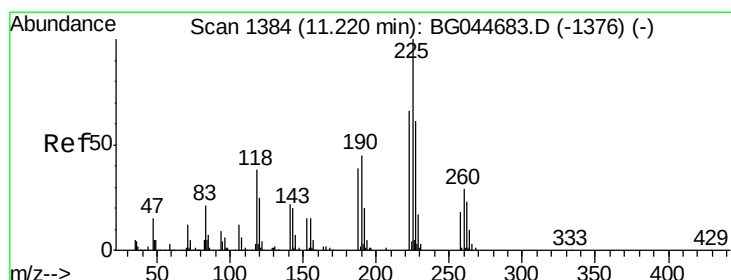
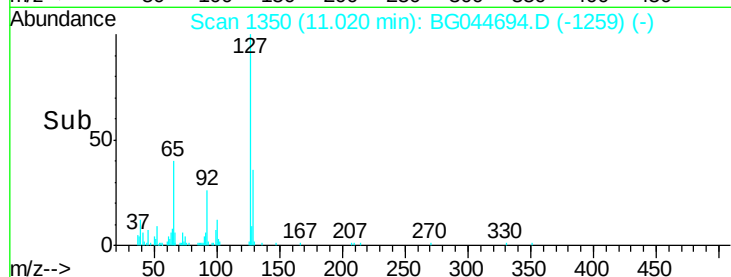
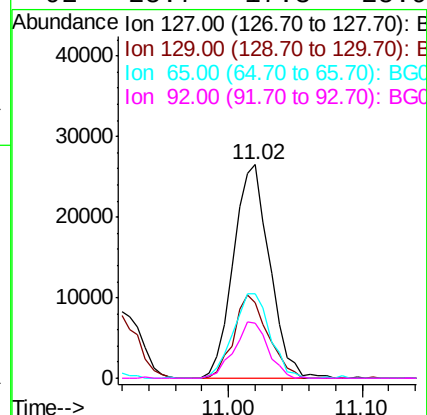
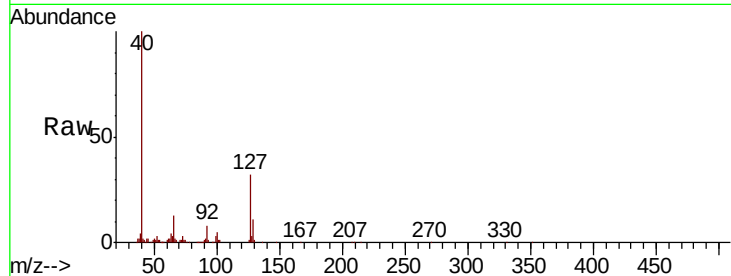
#33
4-Chloroaniline
Concen: 6.855 ng
RT: 11.02 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
127	100		
129	35.5	25.0	37.4
65	39.7	32.7	49.1
92	25.7	17.3	25.9

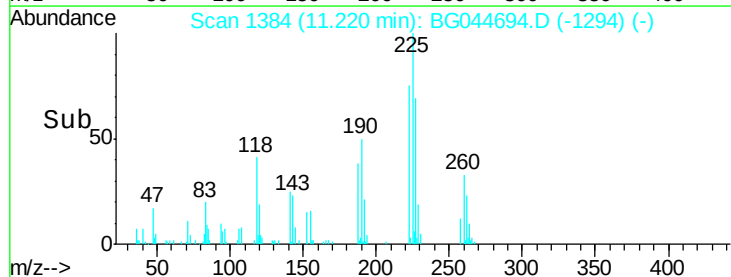
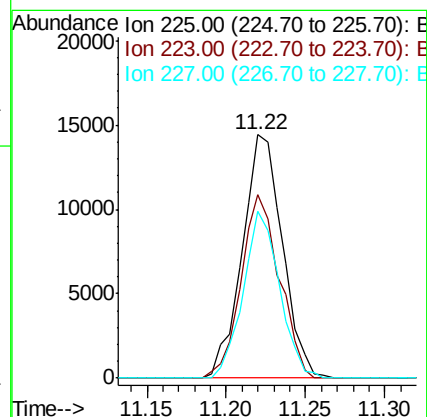
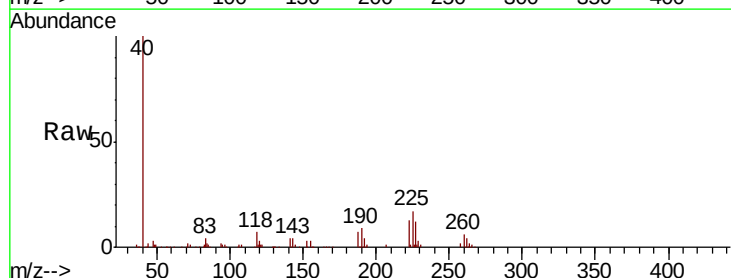
Manual Integrations
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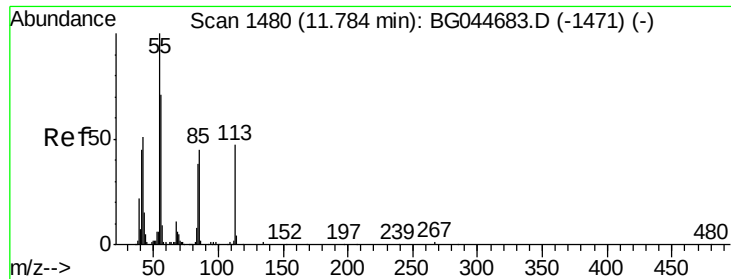
mohammad
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#34
Hexachlorobutadiene
Concen: 6.542 ng
RT: 11.22 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	75.2	52.4	78.6
227	68.6	48.7	73.1





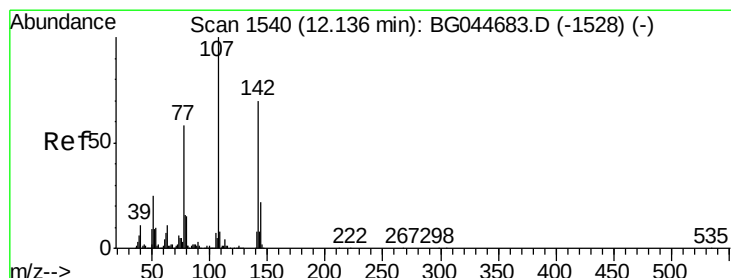
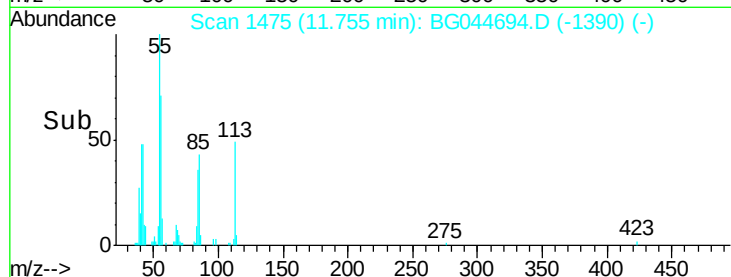
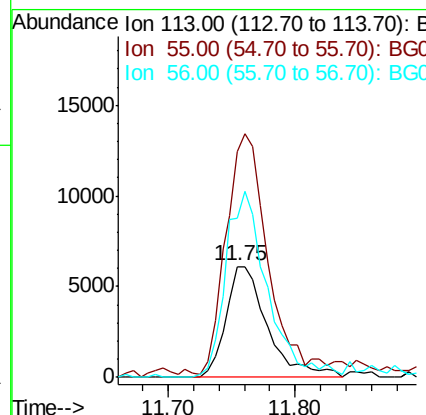
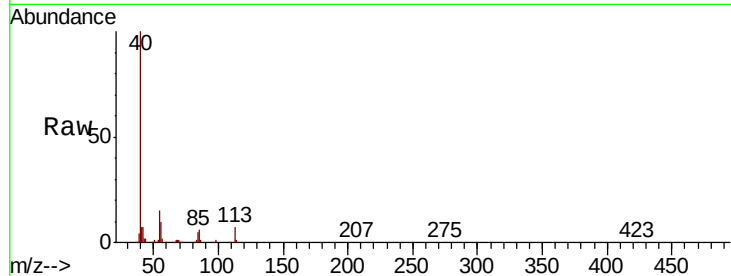
#35
Caprolactam
Concen: 6.758 ng
RT: 11.75 min Scan# 1475
Delta R.T. -0.03 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
113	100		
55	204.3	194.3	234.3
56	144.4	131.4	171.4

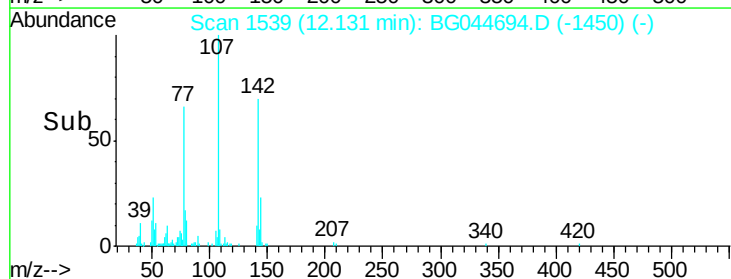
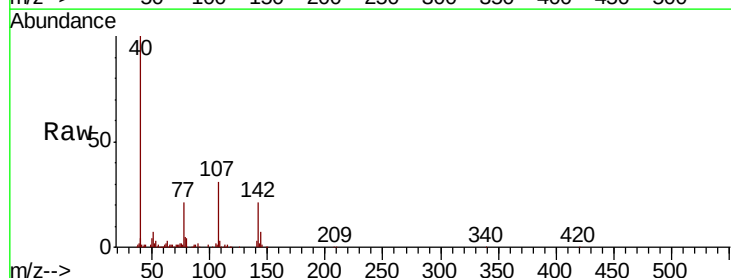
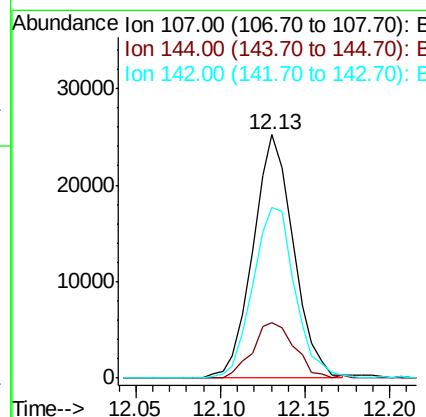
Manual Integrations
APPROVED

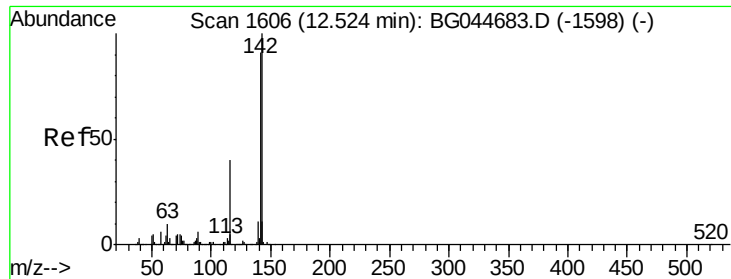
mohammad
3/9/2020 3:07:48 PM



#36
4-Chloro-3-methylphenol
Concen: 6.792 ng
RT: 12.13 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.9	17.9	26.9
142	69.9	55.8	83.8





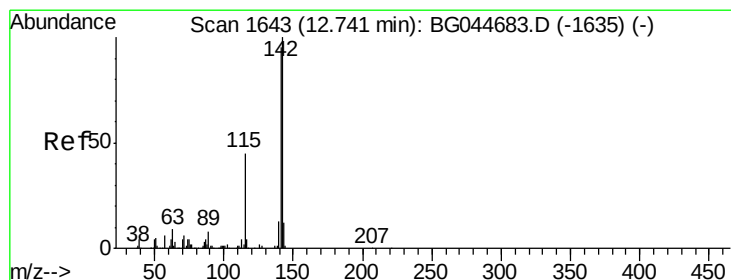
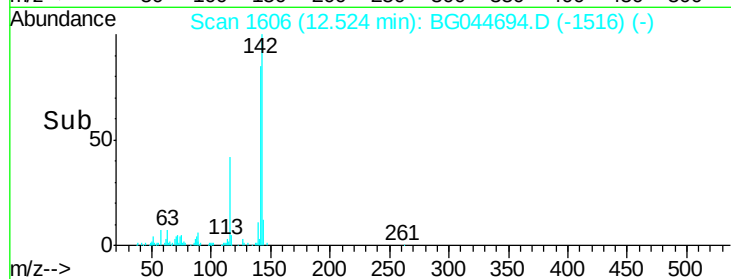
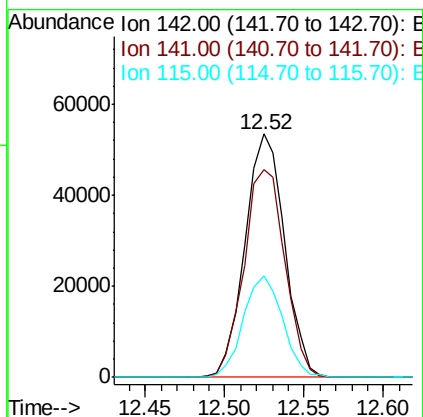
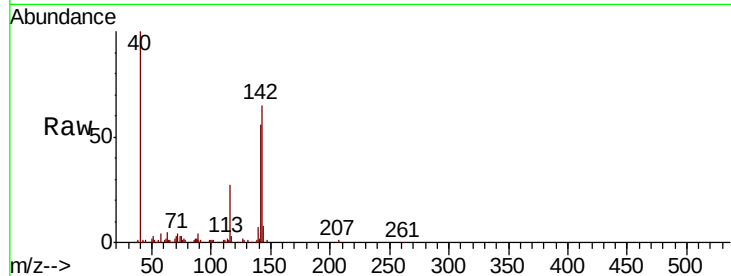
#37
2-Methylnaphthalene
Concen: 7.757 ng
RT: 12.52 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.5	72.9	109.3
115	41.7	32.3	48.5

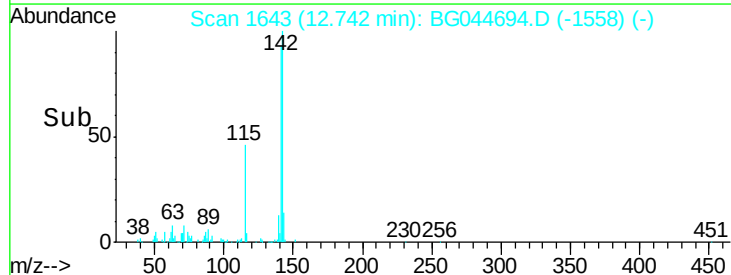
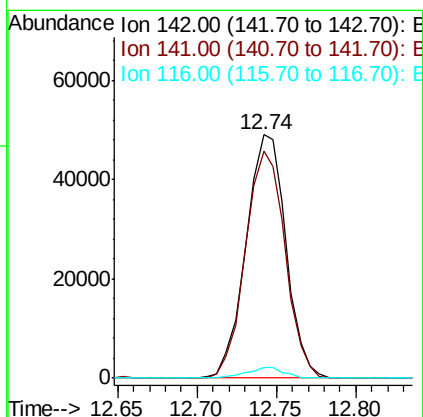
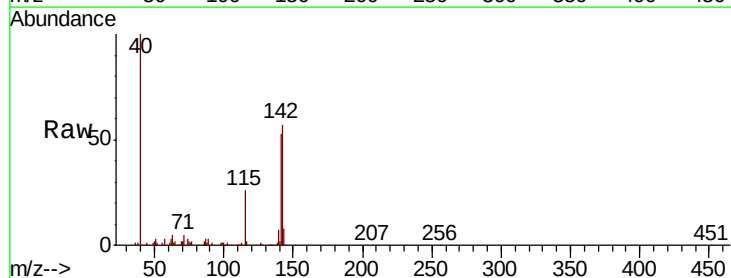
Manual Integrations
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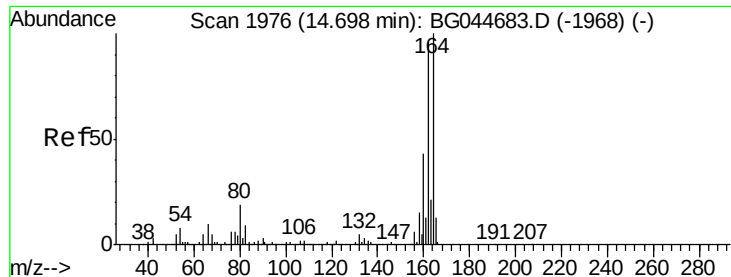
mohammad
3/9/2020 3:07:48 PM



#38
1-Methylnaphthalene
Concen: 7.586 ng
RT: 12.74 min Scan# 1643
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.4	76.2	114.2
116	4.3	3.4	5.0





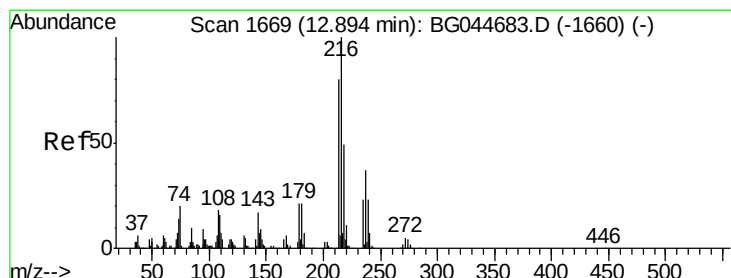
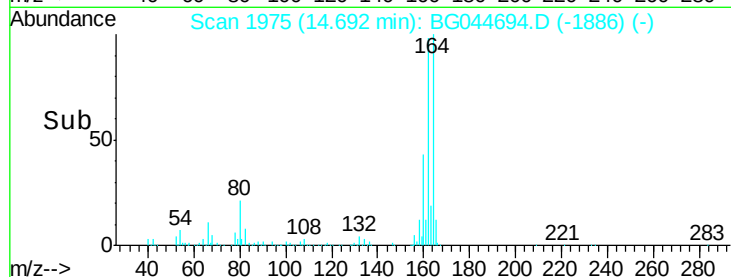
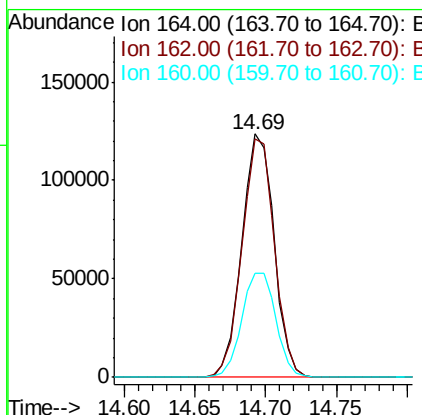
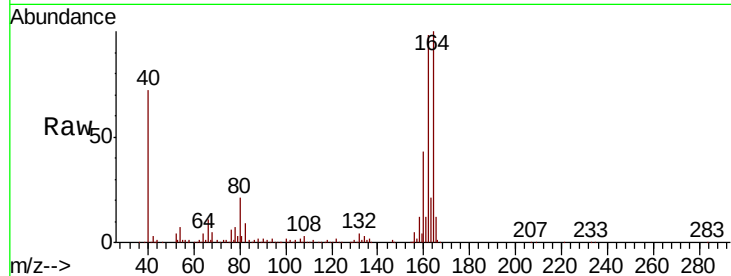
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ion	Ratio	Lower	Upper
164	100			
162	98.0	76.5	114.7	
160	42.8	34.8	52.2	

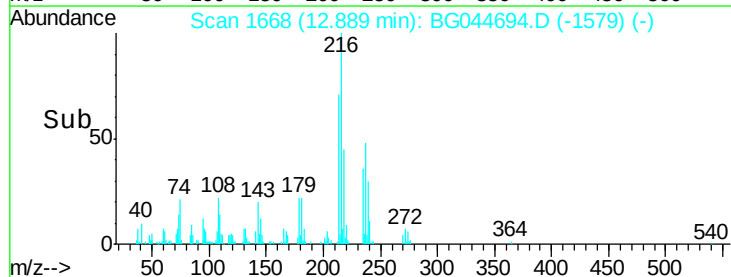
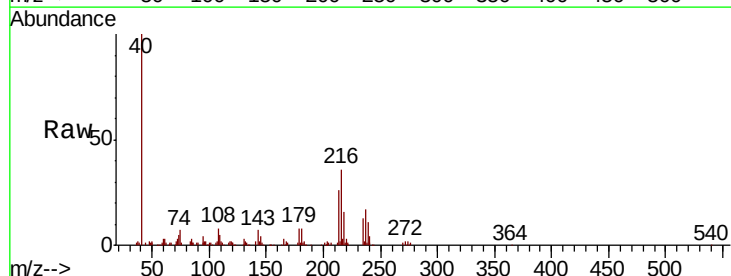
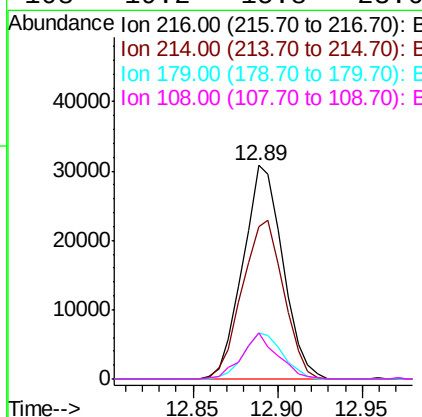
Manual Integrations
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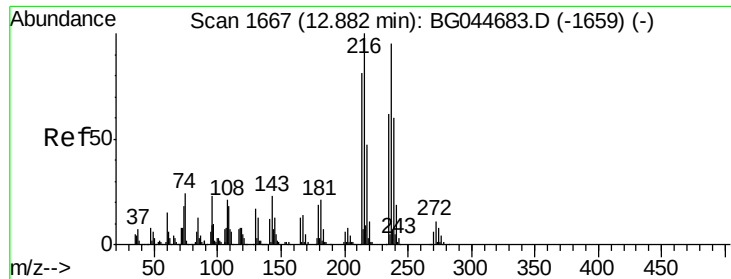
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.894 ng
RT: 12.89 min Scan# 1668
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ion	Ratio	Lower	Upper
216	100			
214	76.8	64.5	96.7	
179	21.0	16.7	25.1	
108	19.2	15.8	23.6	





#41

Hexachlorocyclopentadiene

Concen: 7.873 ng

RT: 12.88 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

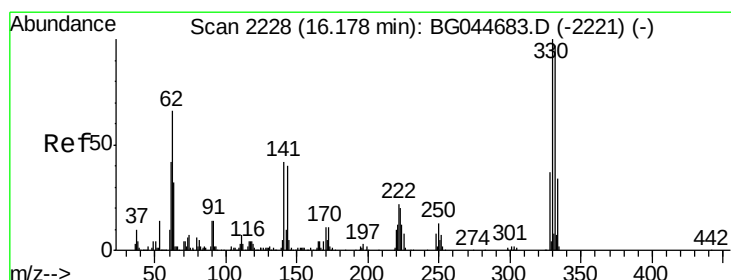
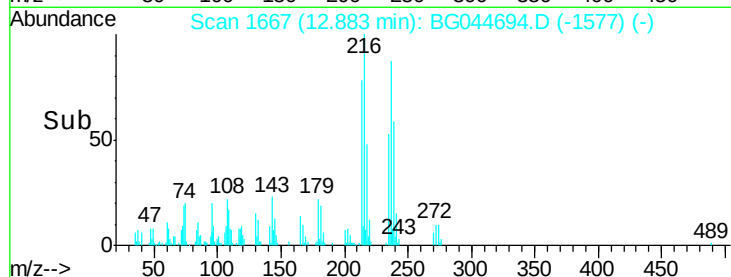
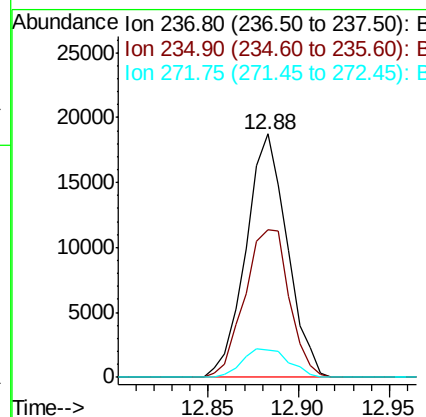
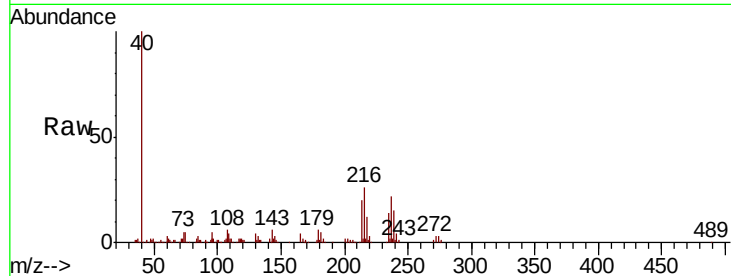
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	237	Resp:	29563
Ion Ratio	Lower	Upper	
237	100		
235	60.8	44.7	84.7
272	11.2	0.0	31.7

Manual Integrations
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3/9/2020 3:07:48 PM



#42

2,4,6-Tribromophenol

Concen: 152.427 ng

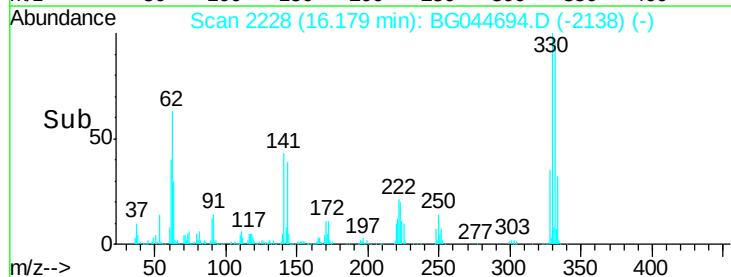
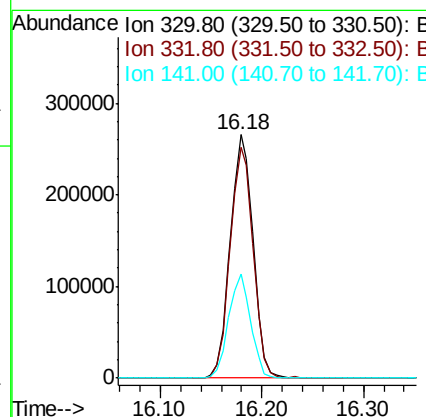
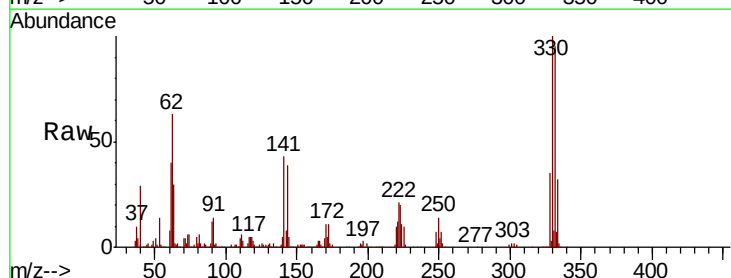
RT: 16.18 min Scan# 2228

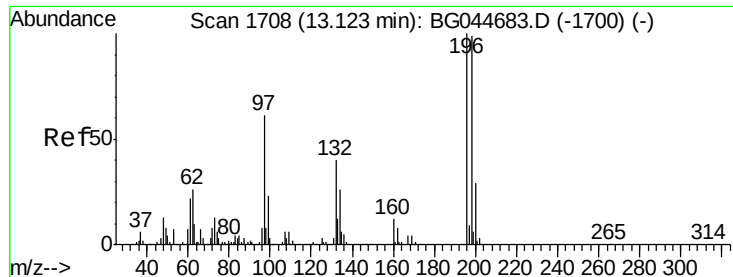
Delta R.T. 0.00 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Tgt Ion:	330	Resp:	414148
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.0	115.6
141	41.3	32.4	48.6





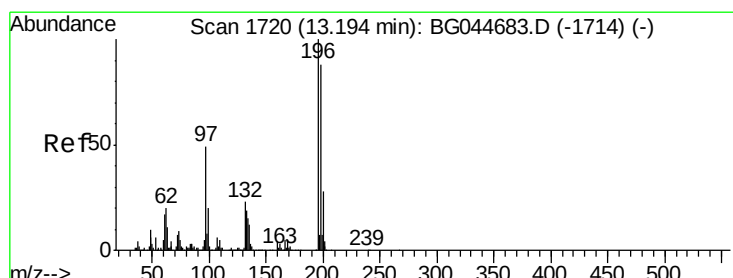
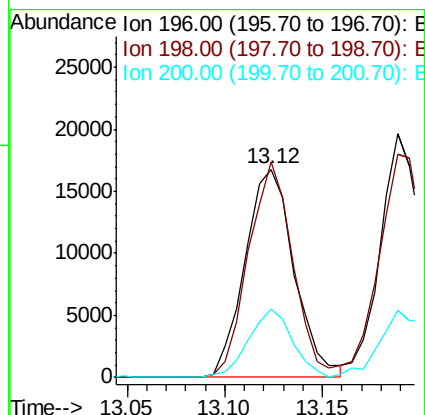
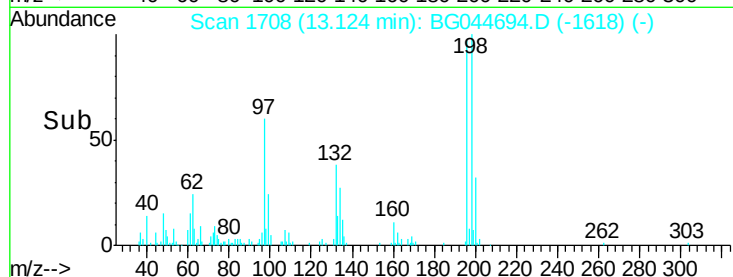
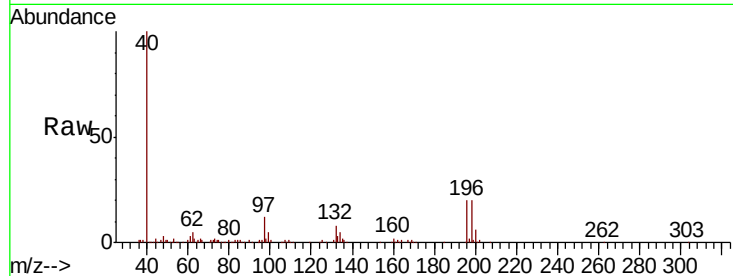
#43
2,4,6-Trichlorophenol
Concen: 6.575 ng
RT: 13.12 min Scan# 1708
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
196	100		
198	103.3	79.3	118.9
200	32.8	23.0	34.6

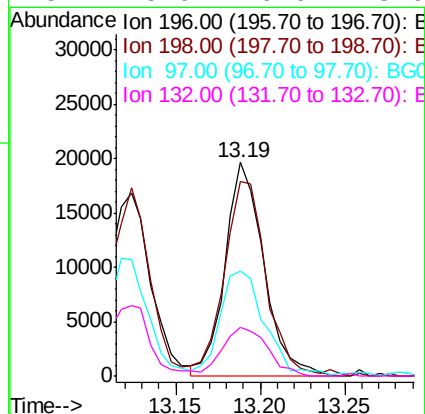
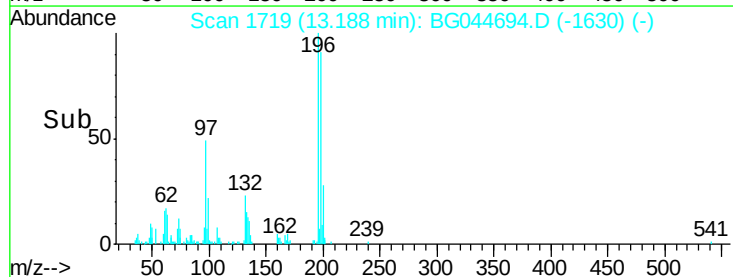
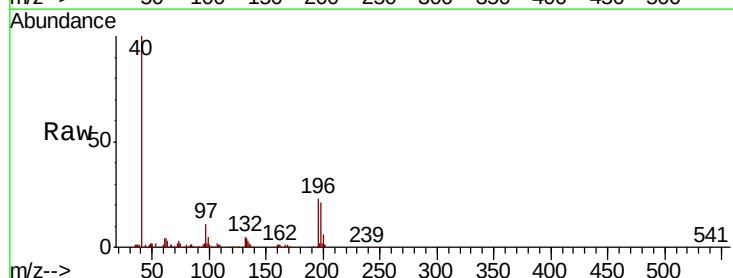
Manual Integrations
APPROVED

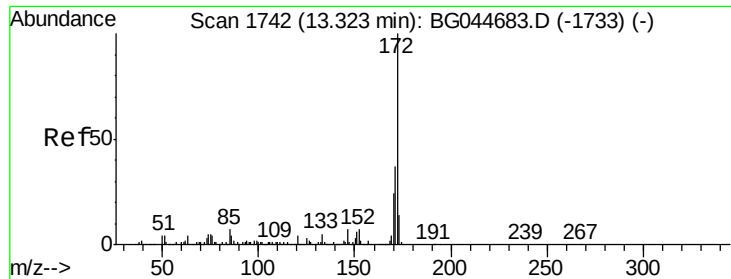
mohammad
3/9/2020 3:07:48 PM



#44
2,4,5-Trichlorophenol
Concen: 6.855 ng
RT: 13.19 min Scan# 1719
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
196	100		
198	91.4	70.7	106.1
97	49.4	39.4	59.2
132	23.0	19.0	28.6





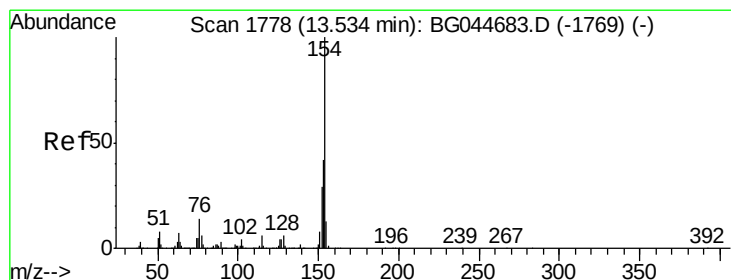
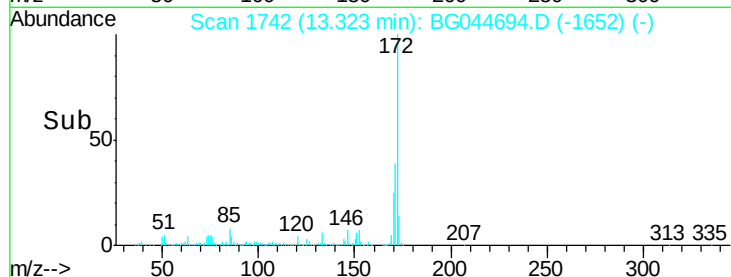
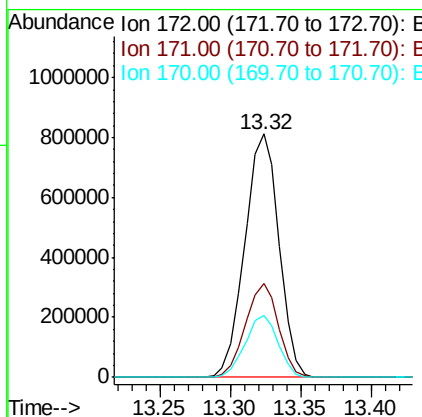
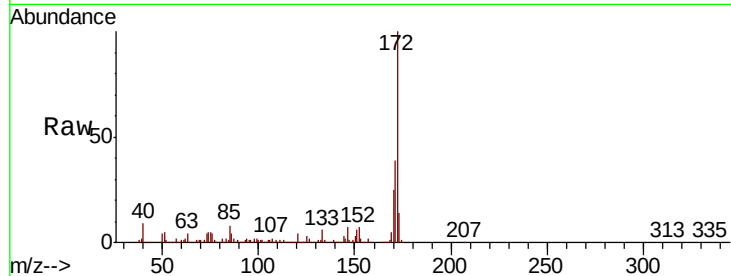
#45
2-Fluorobiphenyl
Concen: 96.784 ng
RT: 13.32 min Scan# 1742
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	29.8	44.8
170	25.2	19.3	28.9

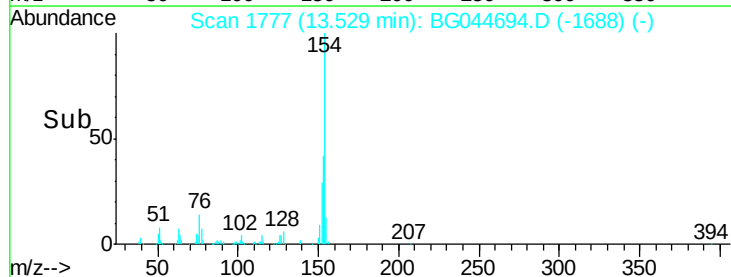
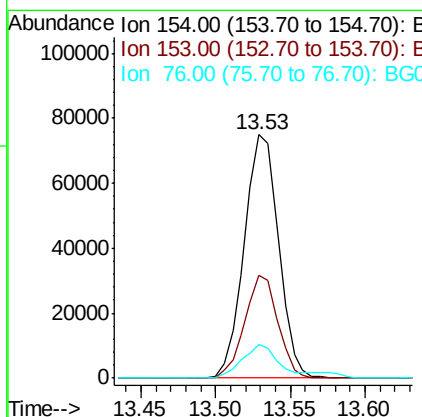
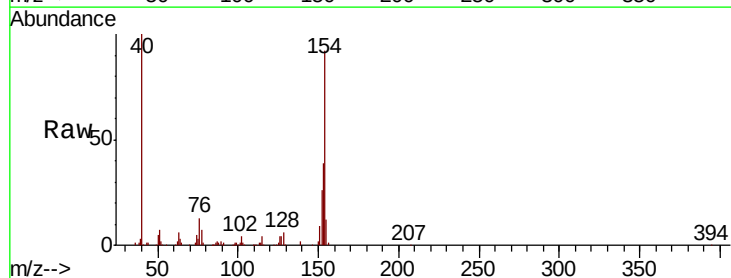
Manual Integrations
APPROVED

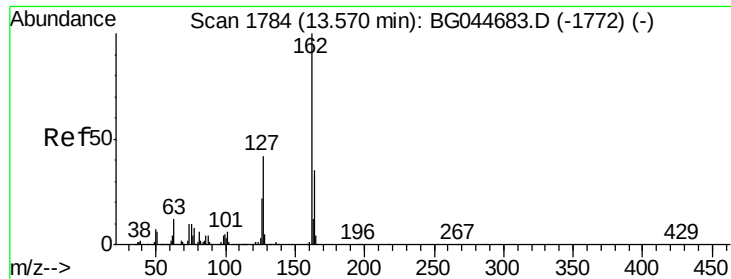
mohammad
3/9/2020 3:07:48 PM



#46
1,1'-Biphenyl
Concen: 7.584 ng
RT: 13.53 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.1	22.1	62.1
76	13.8	0.0	34.5





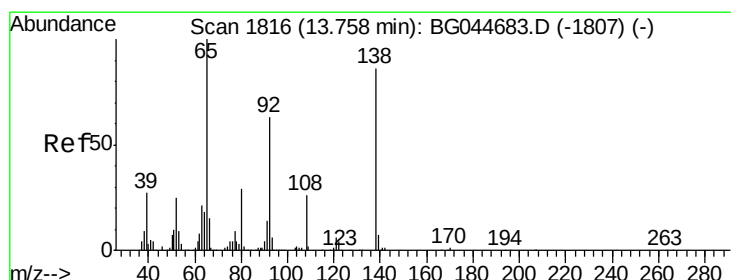
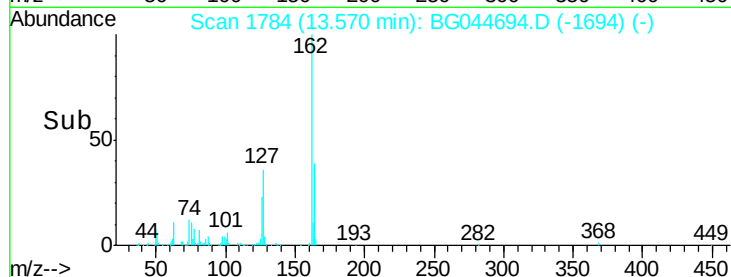
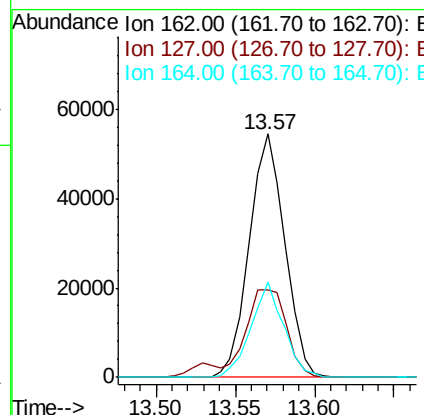
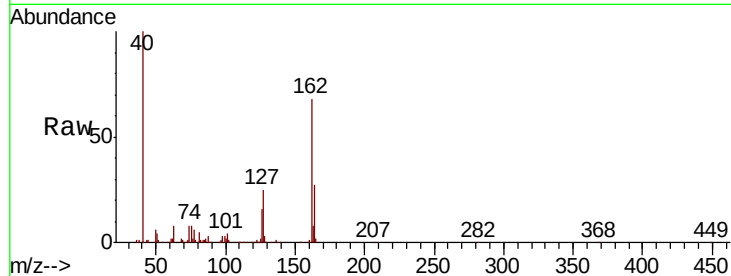
#47
2-Chloronaphthalene
Concen: 7.084 ng
RT: 13.57 min Scan# 1784
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	36.1	33.9	50.9
164	39.0	28.3	42.5

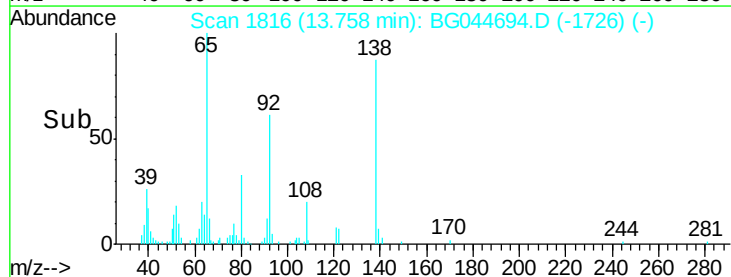
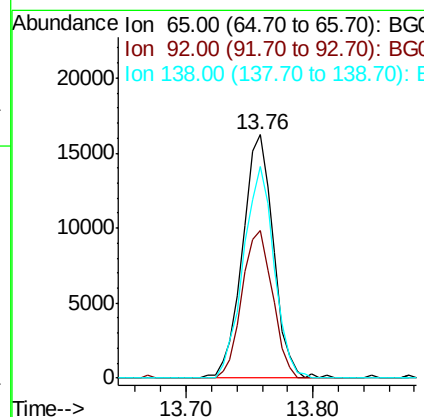
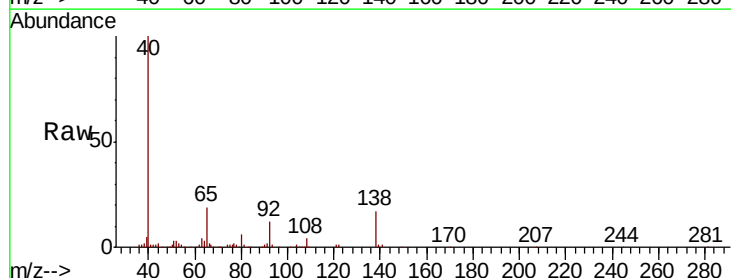
Manual Integrations
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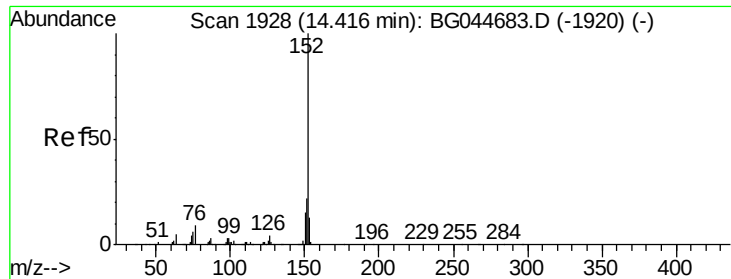
mohammad
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#48
2-Nitroaniline
Concen: 6.766 ng
RT: 13.76 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
65	100		
92	60.6	50.6	75.8
138	87.1	68.8	103.2





#49

Acenaphthylene

Concen: 7.792 ng

RT: 14.42 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

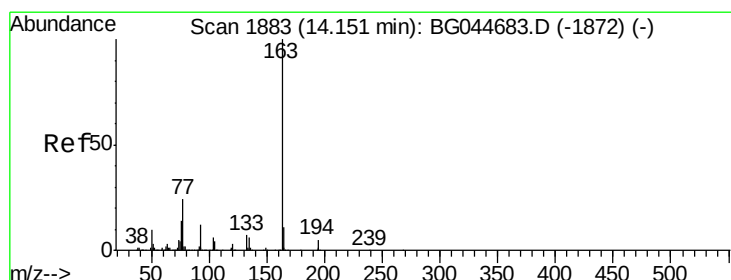
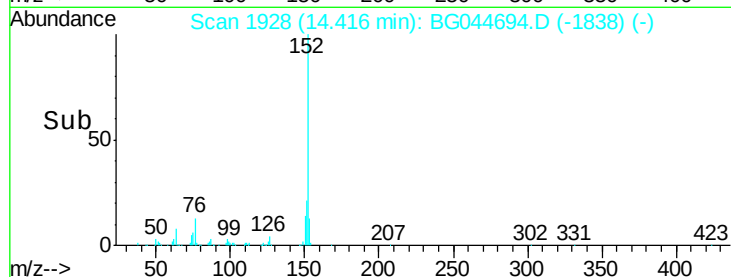
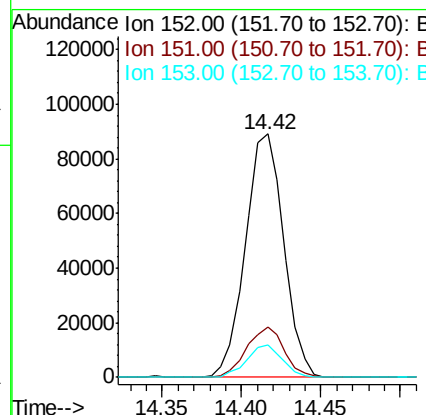
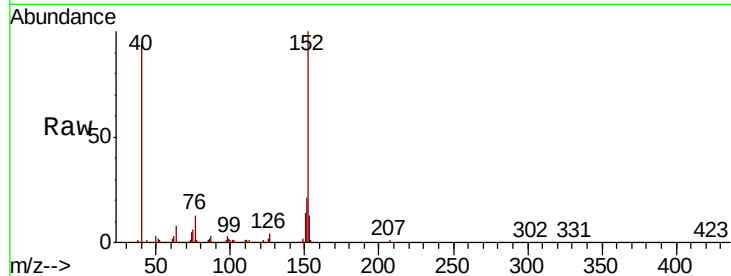
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	152	Resp:	149812
Ion Ratio	Lower	Upper	
152	100		
151	20.7	17.6	26.4
153	13.3	10.7	16.1

Manual Integrations
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#50

Dimethylphthalate

Concen: 7.384 ng

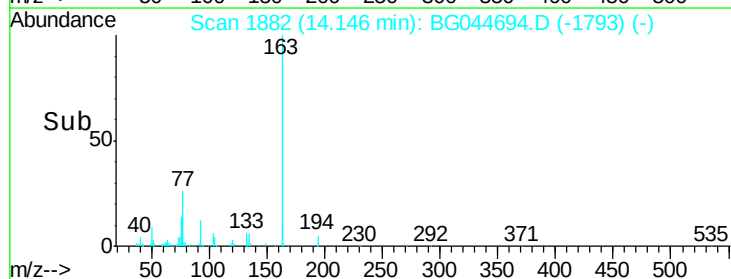
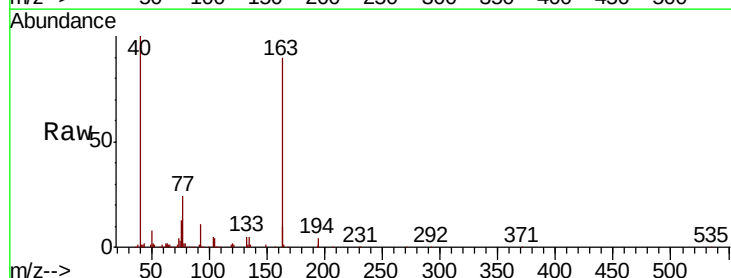
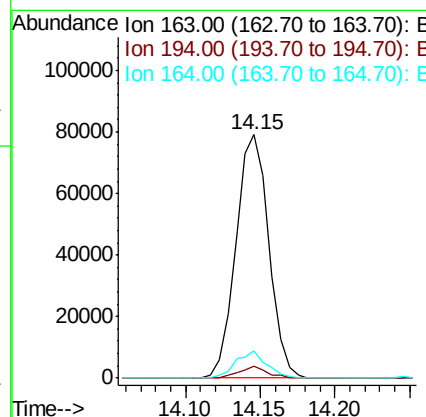
RT: 14.15 min Scan# 1882

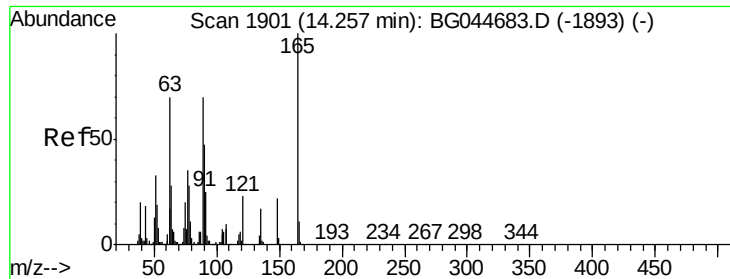
Delta R.T. -0.01 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Tgt Ion:	163	Resp:	121422
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.7	5.5
164	11.3	8.6	12.8





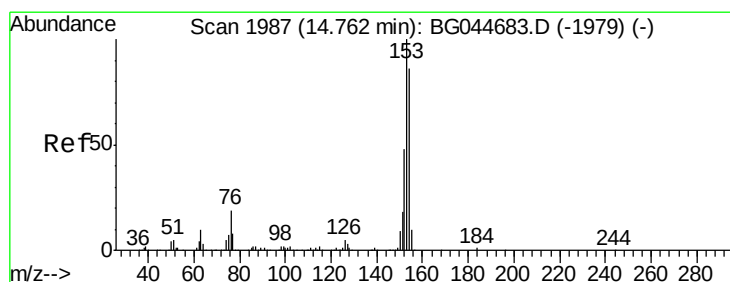
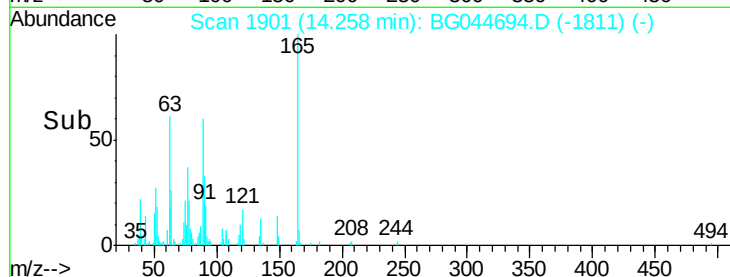
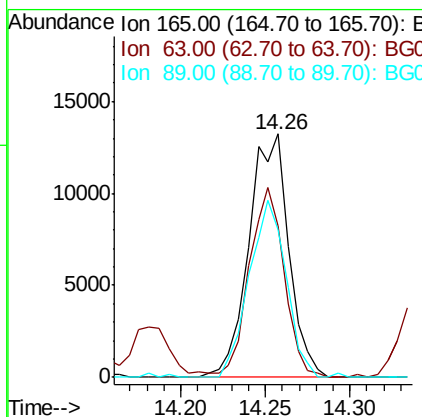
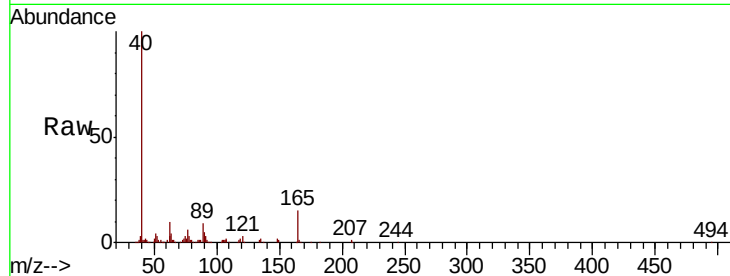
#51
2,6-Dinitrotoluene
Concen: 7.330 ng
RT: 14.26 min Scan# 1901
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
165	100	21659		
63	62.4		57.4	86.0
89	60.4		56.2	84.2

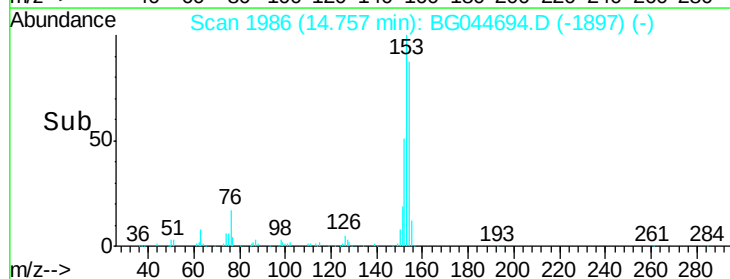
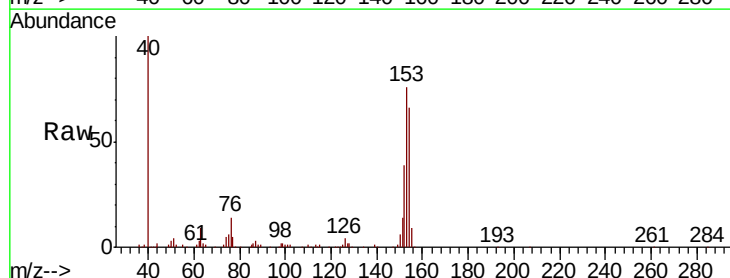
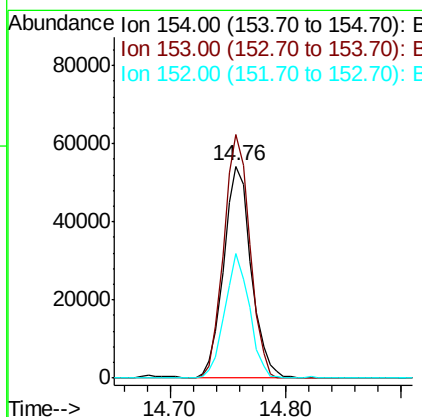
Manual Integrations
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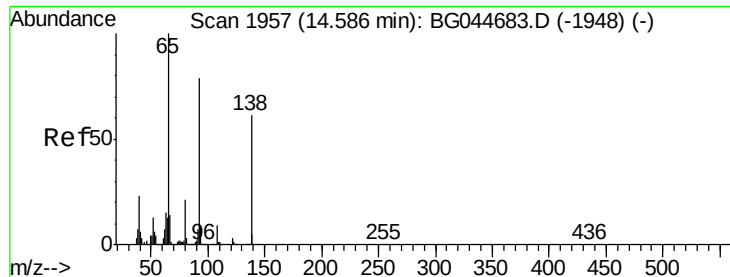
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#52
Acenaphthene
Concen: 7.209 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	89619		
153	115.0		92.6	138.8
152	58.7		44.2	66.4





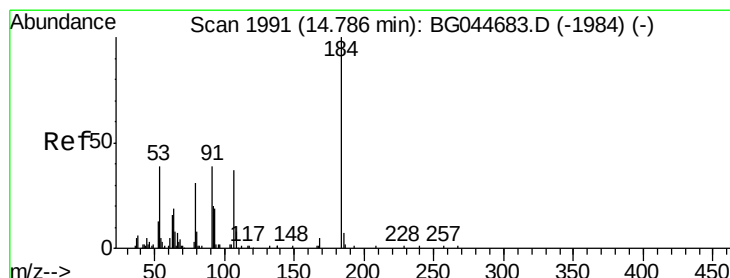
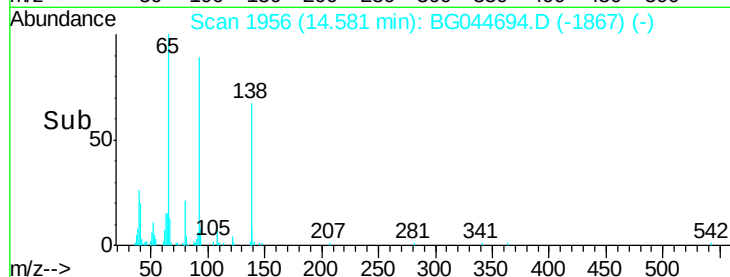
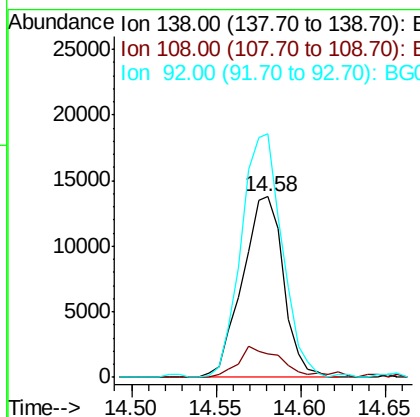
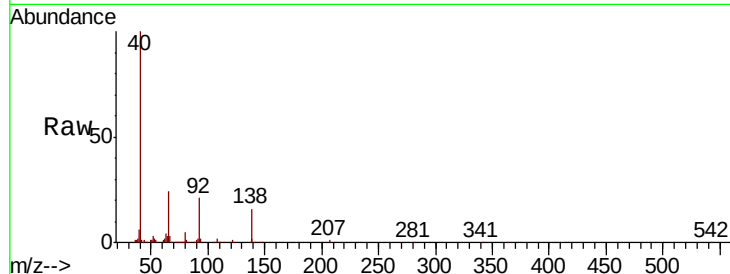
#53
3-Nitroaniline
Concen: 6.845 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	13.2	12.2	18.4
92	134.8	105.1	157.7

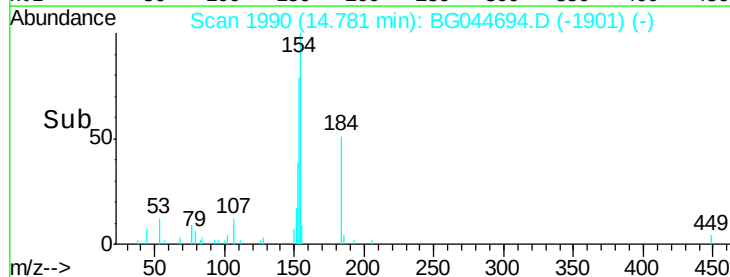
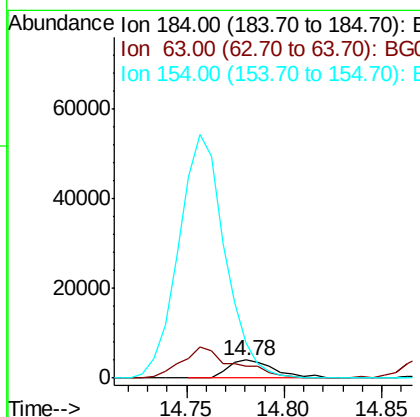
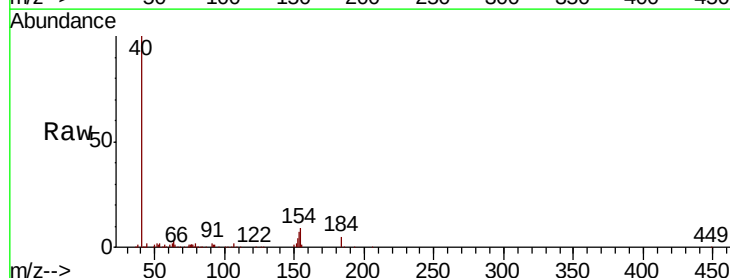
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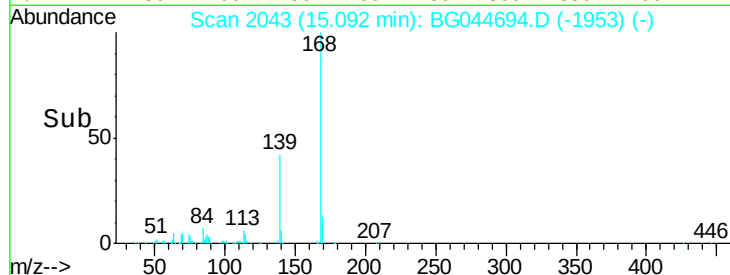
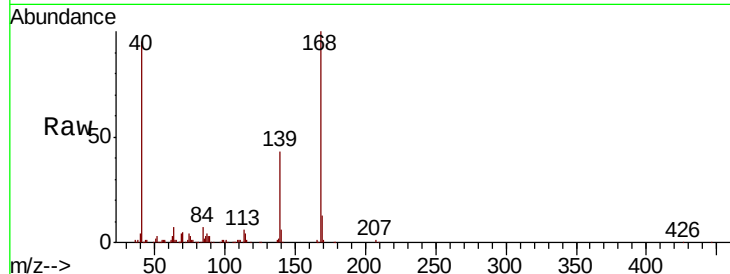
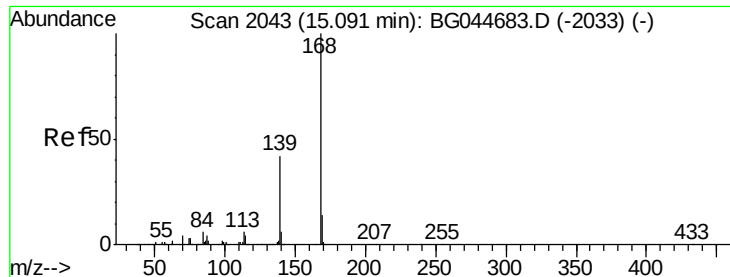
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#54
2,4-Dinitrophenol
Concen: 4.897 ng
RT: 14.78 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
184	100		
63	65.8	42.4	63.6#
154	194.9	75.0	112.4#





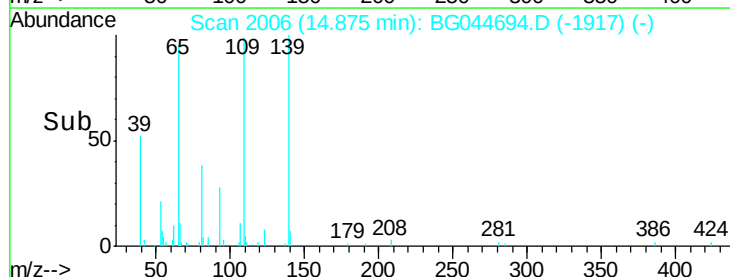
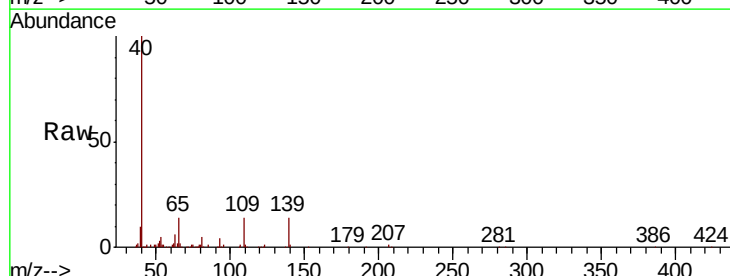
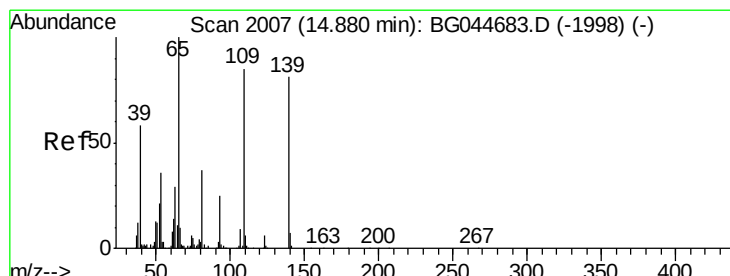
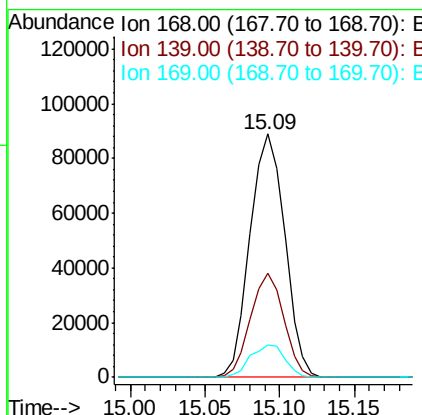
#55
Dibenzofuran
Concen: 7.702 ng
RT: 15.09 min Scan# 2043
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:168	Resp:	143469
Ion Ratio	Lower	Upper
168	100	
139	42.7	33.8 50.6
169	13.4	11.0 16.4

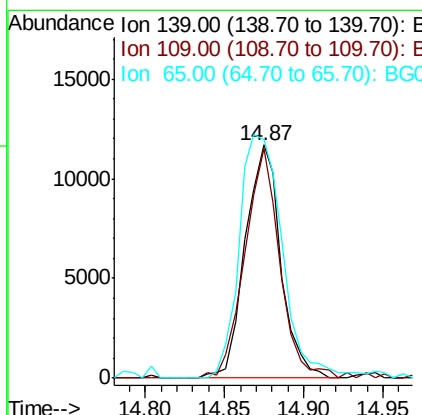
Manual Integrations
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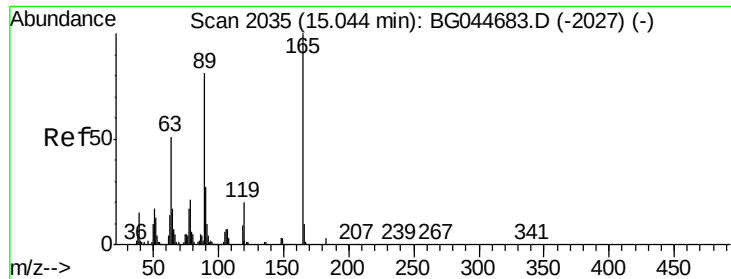
mohammad
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#56
4-Nitrophenol
Concen: 6.863 ng
RT: 14.87 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion:139	Resp:	18182
Ion Ratio	Lower	Upper
139	100	
109	98.6	86.0 126.0
65	102.4	104.5 144.5#





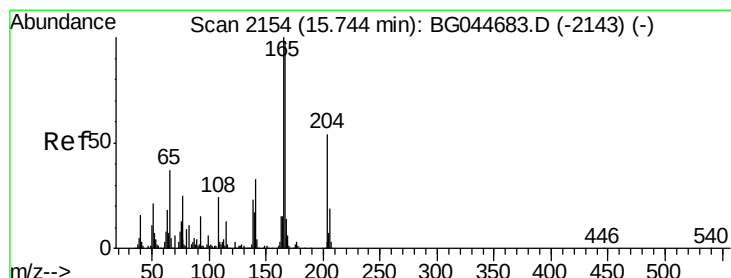
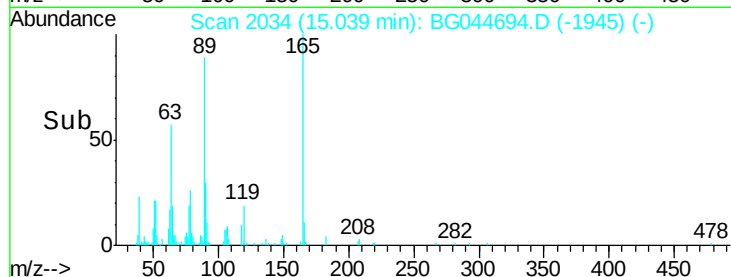
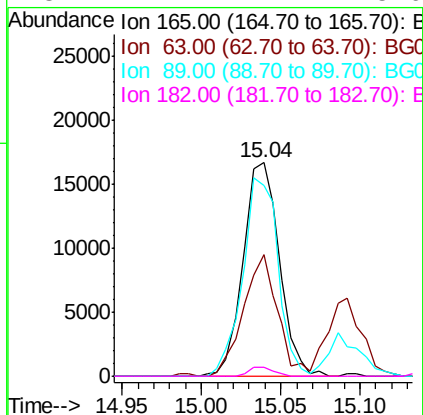
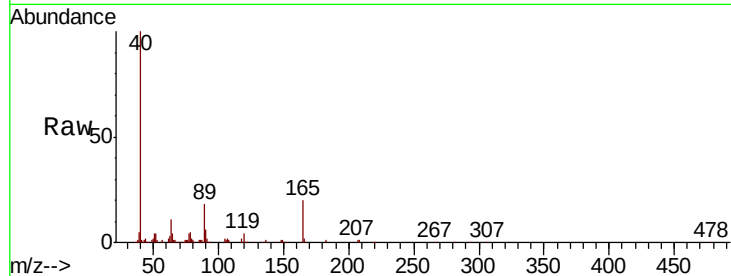
#57
2,4-Dinitrotoluene
Concen: 6.713 ng
RT: 15.04 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	56.9	40.6	61.0
89	89.0	65.0	97.6
182	4.1	2.4	3.6

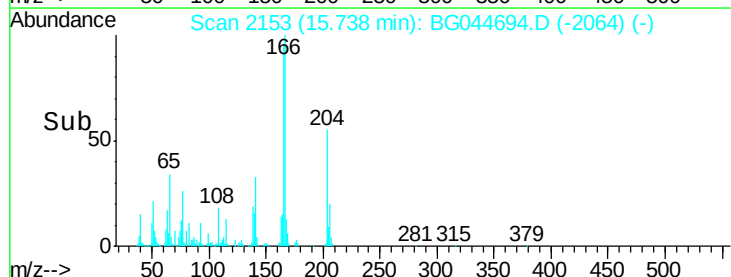
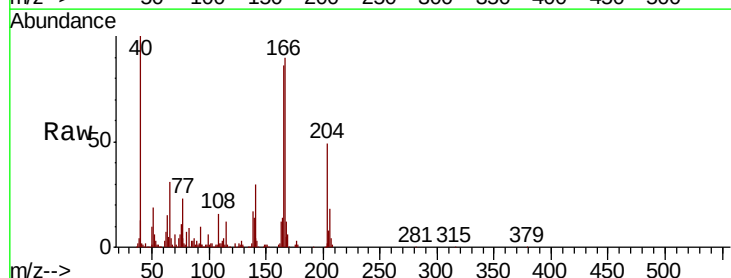
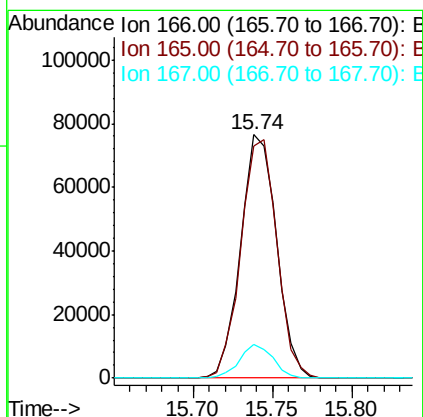
Manual Integrations
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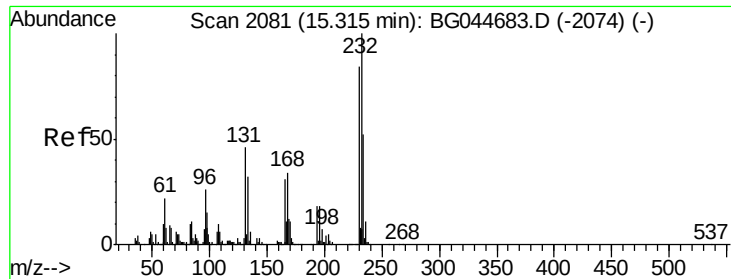
mohammad
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#58
Fluorene
Concen: 7.804 ng
RT: 15.74 min Scan# 2153
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	95.2	81.3	121.9
167	13.7	11.0	16.6





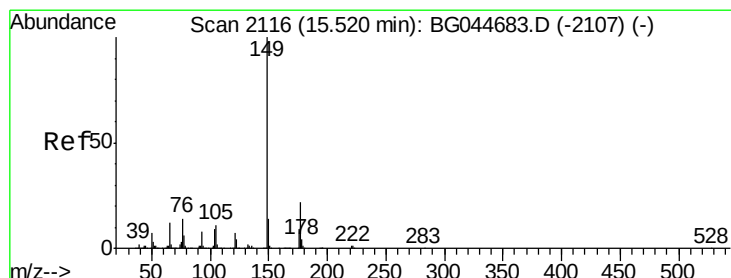
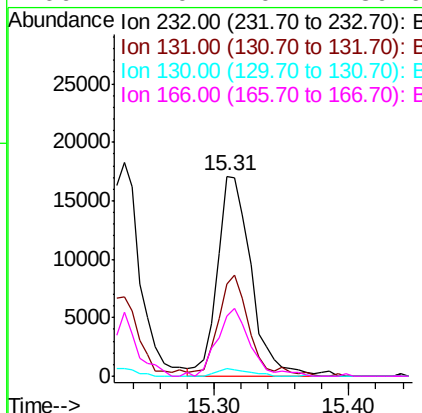
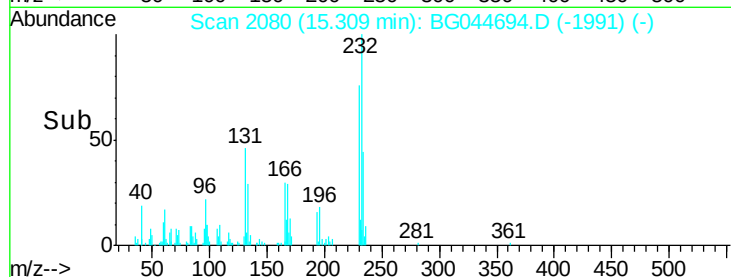
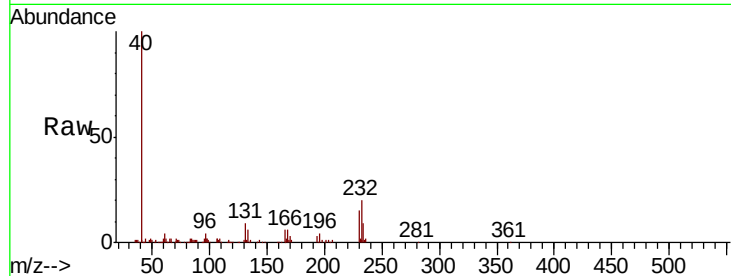
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 6.937 ng/ml
 RT: 15.31 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: BG044694.D
 Acq: 6 Mar 2020 12:38

Instrument :
 BNA_G
 ClientSampleID :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
232	100		
131	37.2	33.0	49.6
130	3.1	2.2	3.2
166	24.0	20.4	30.6

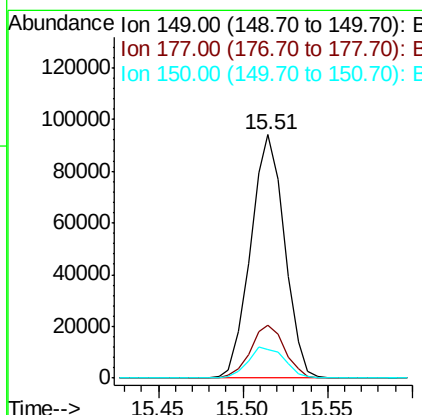
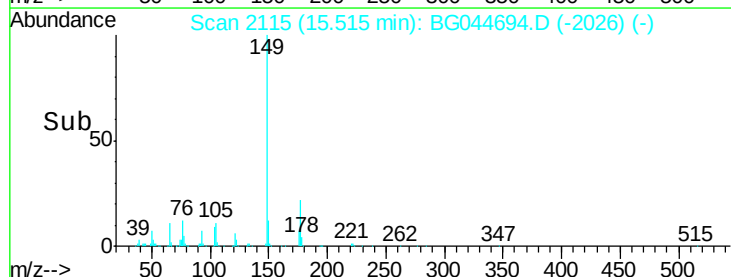
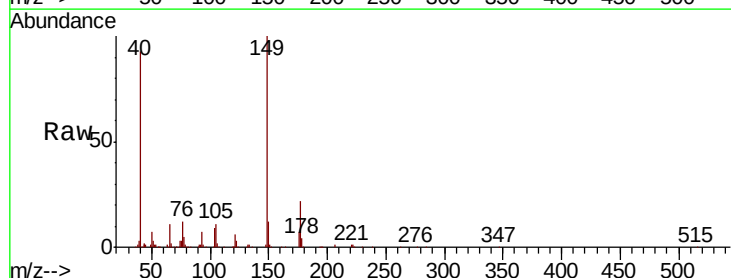
Manual Integrations
 APPROVED

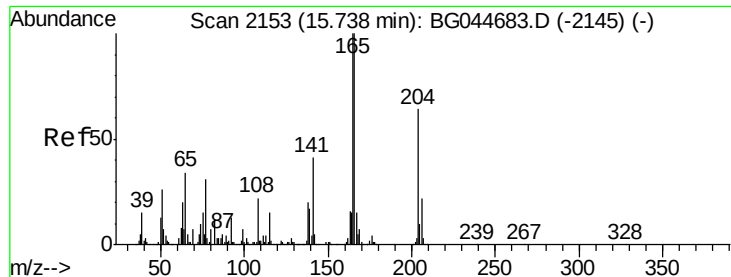
mohammad
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#60
 Diethylphthalate
 Concen: 7.484 ng/ml
 RT: 15.51 min Scan# 2115
 Delta R.T. -0.01 min
 Lab File: BG044694.D
 Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.5	26.3
150	11.7	10.8	16.2





#61

4-Chlorophenyl-phenylether

Concen: 7.307 ng

RT: 15.74 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

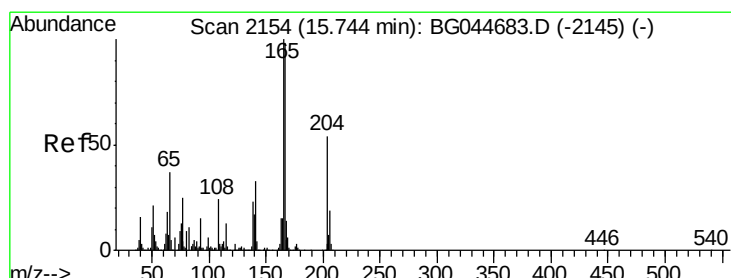
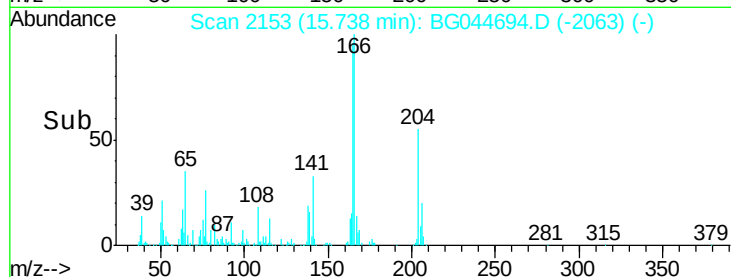
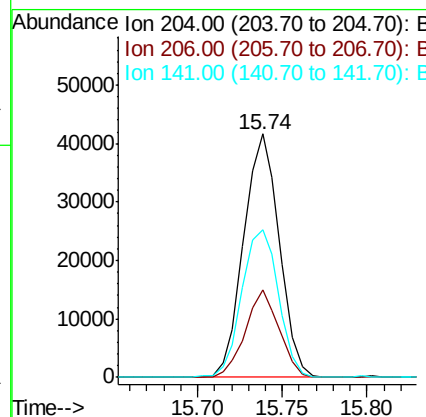
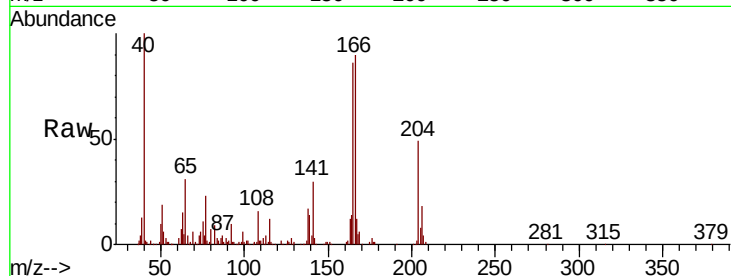
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	204	Resp:	61086
Ion Ratio	Lower	Upper	
204	100		
206	36.0	27.7	41.5
141	60.4	51.0	76.4

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#62

4-Nitroaniline

Concen: 6.488 ng

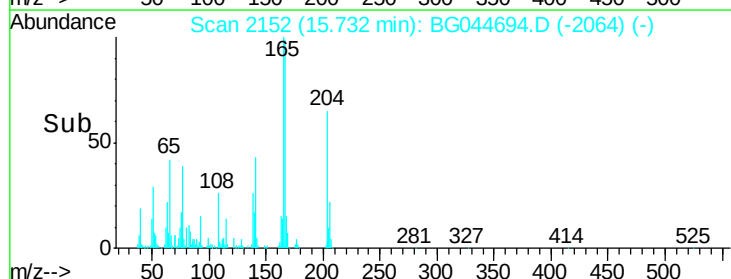
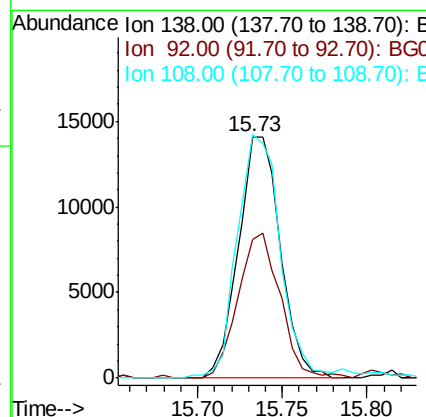
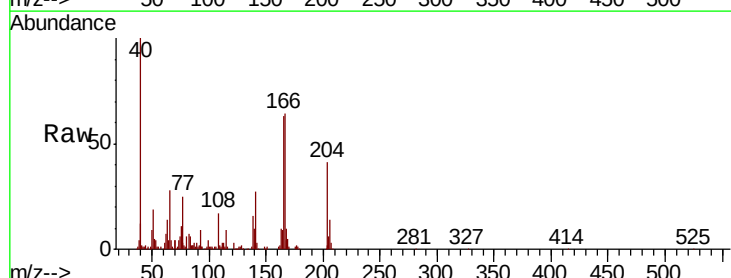
RT: 15.73 min Scan# 2152

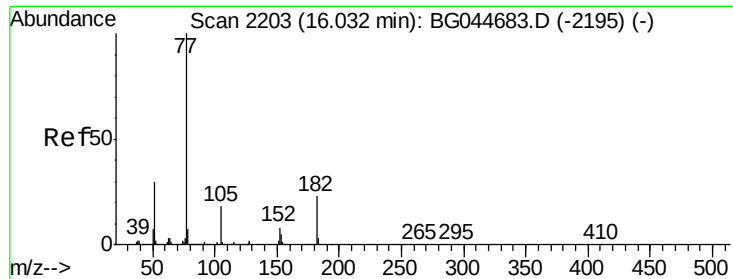
Delta R.T. -0.01 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Tgt Ion:	138	Resp:	24334
Ion Ratio	Lower	Upper	
138	100		
92	57.4	43.1	83.1
108	100.8	85.2	125.2





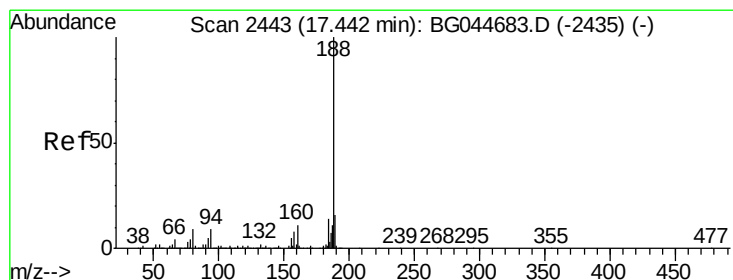
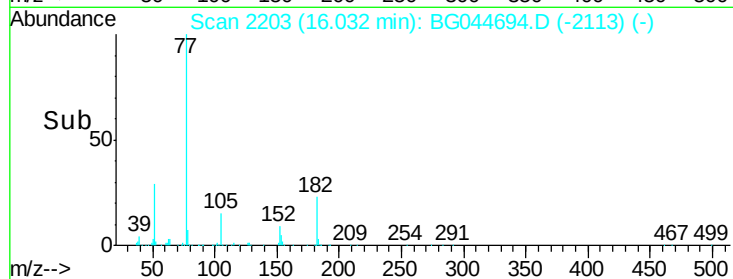
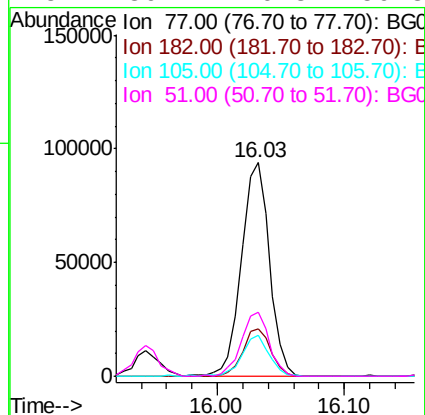
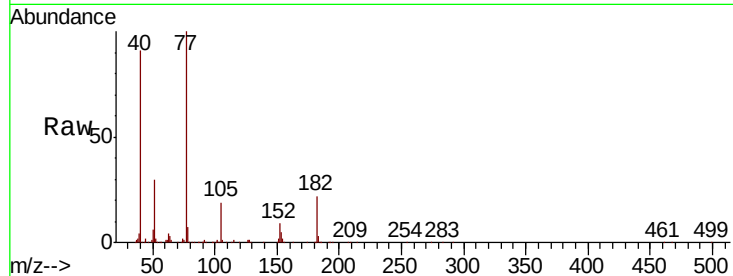
#63
Azobenzene
Concen: 7.817 ng
RT: 16.03 min Scan# 2203
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
77	100		
182	22.1	2.7	42.7
105	19.0	0.0	38.1
51	30.1	10.3	50.3

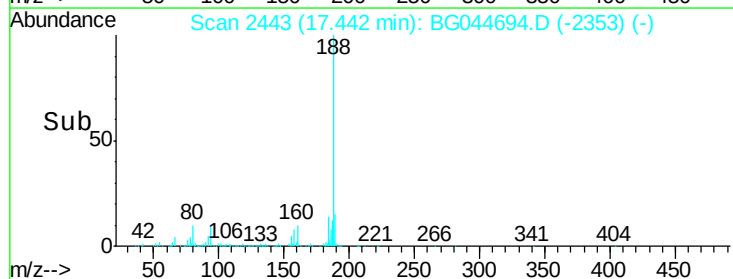
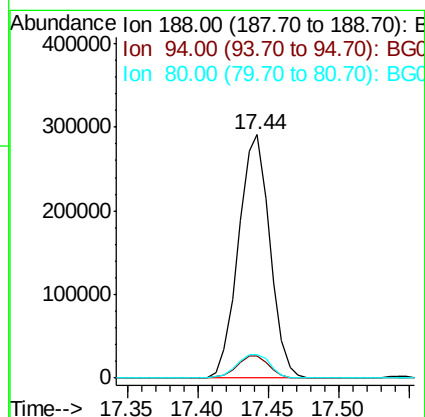
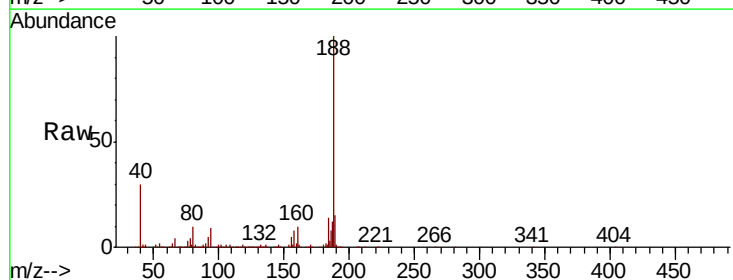
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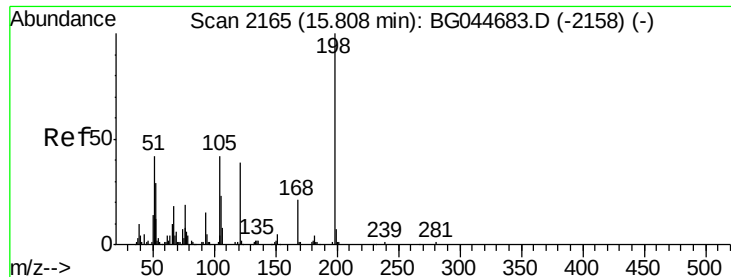
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.4	11.0
80	9.8	7.3	10.9





#65

4,6-Dinitro-2-methylphenol

Concen: 6.681 ng

RT: 15.80 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

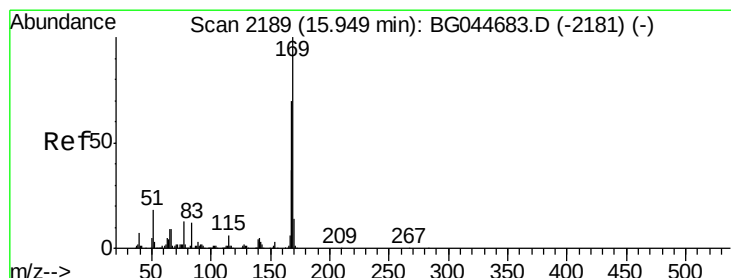
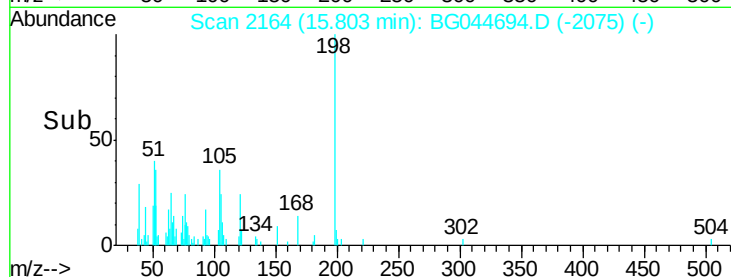
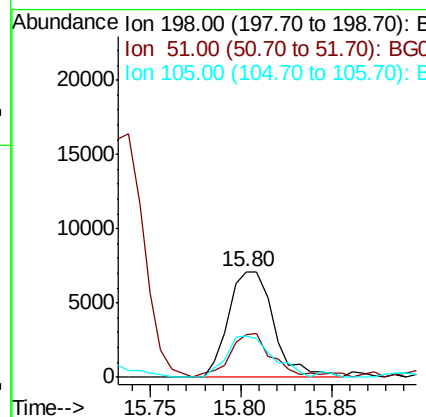
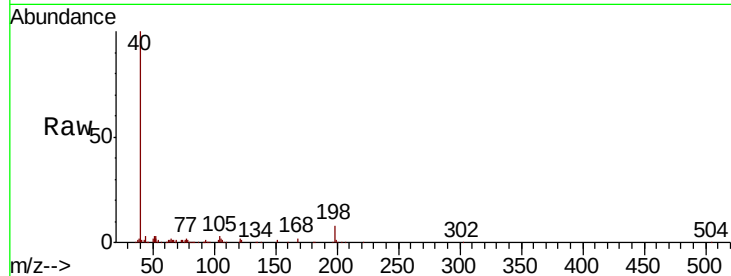
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	198	Resp:	12307
Ion Ratio	Lower	Upper	
198	100		
51	39.7	27.1	67.1
105	38.9	23.6	63.6

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#66

n-Nitrosodiphenylamine

Concen: 7.598 ng

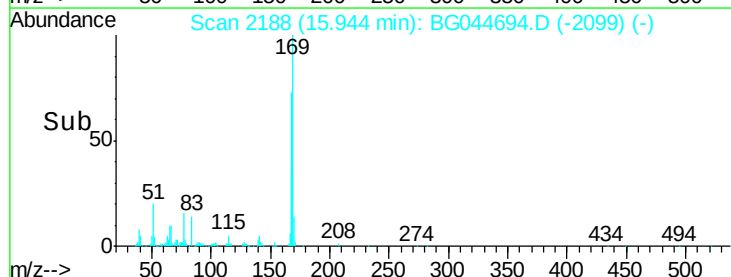
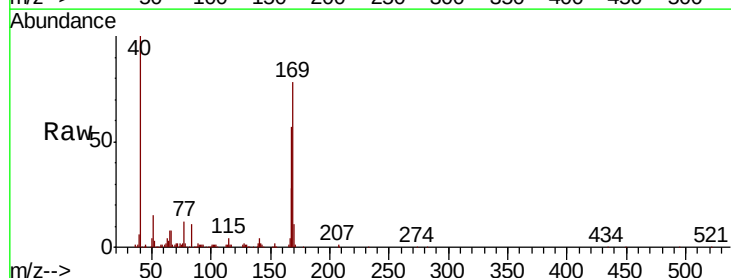
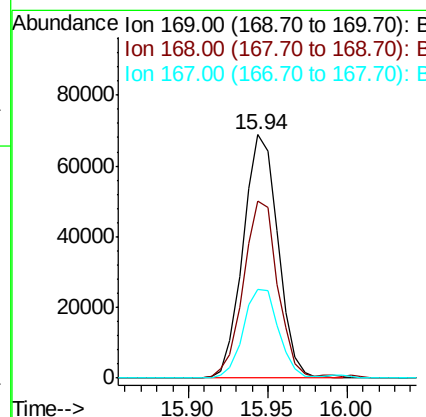
RT: 15.94 min Scan# 2188

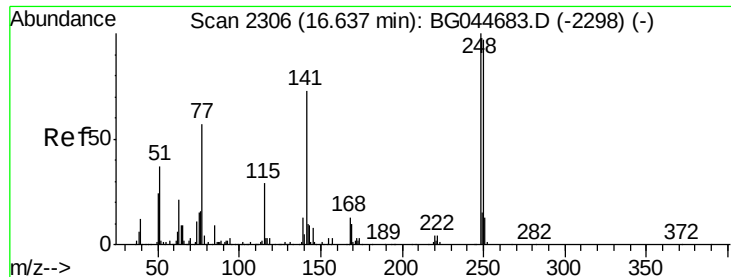
Delta R.T. -0.01 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Tgt Ion:	169	Resp:	104753
Ion Ratio	Lower	Upper	
169	100		
168	73.0	56.2	84.2
167	36.4	29.4	44.2





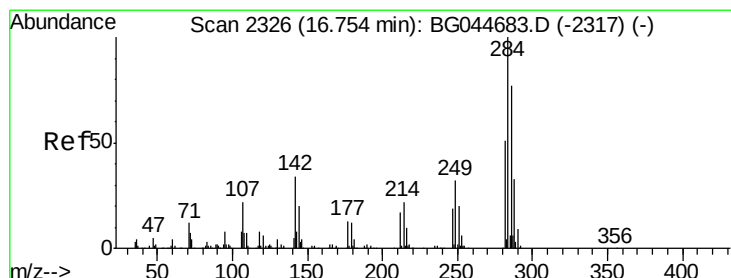
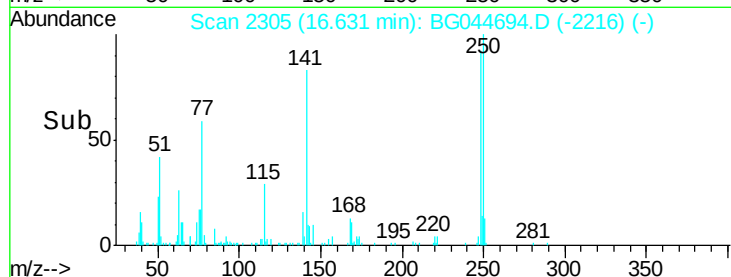
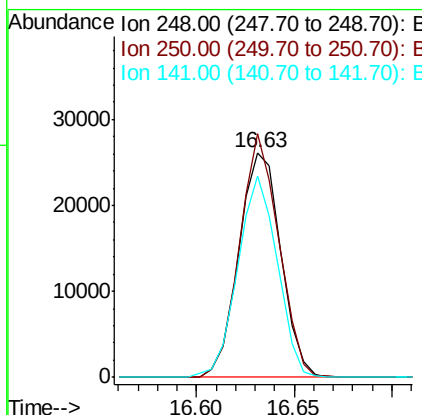
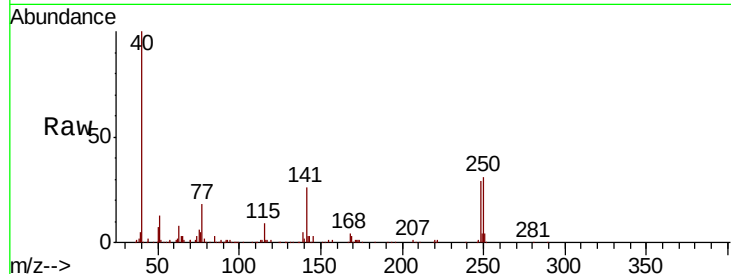
#67
4-Bromophenyl-phenylether
Concen: 6.826 ng
RT: 16.63 min Scan# 2305
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	108.3	77.4	116.2
141	89.8	58.1	87.1#

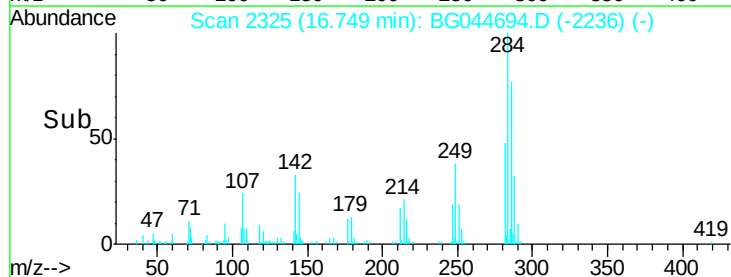
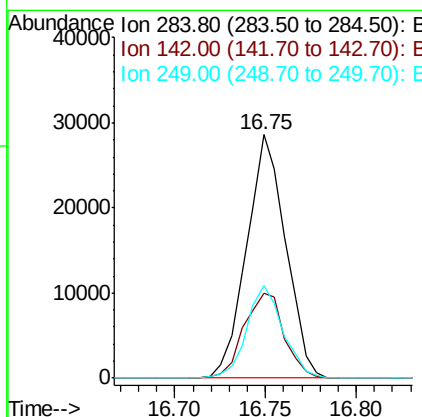
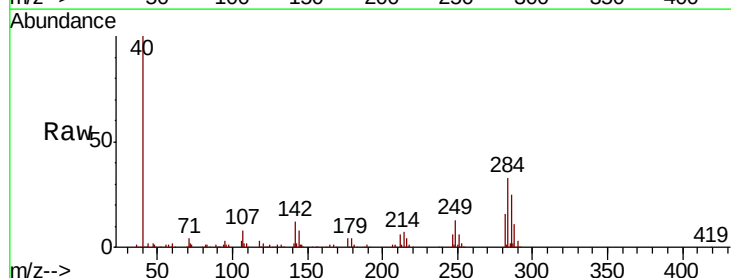
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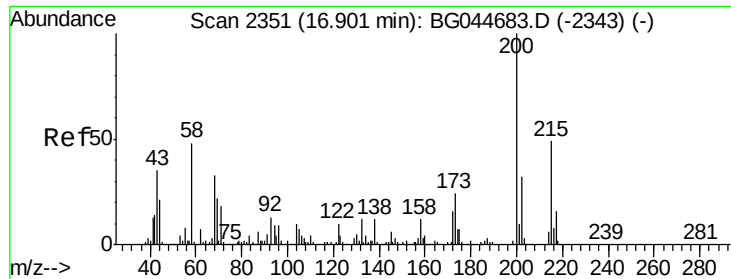
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#68
Hexachlorobenzene
Concen: 6.954 ng
RT: 16.75 min Scan# 2325
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.9	27.2	40.8
249	38.1	25.7	38.5





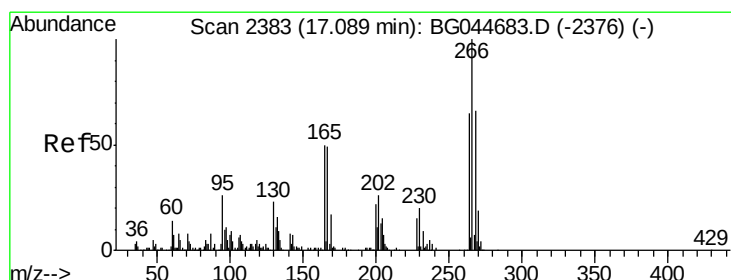
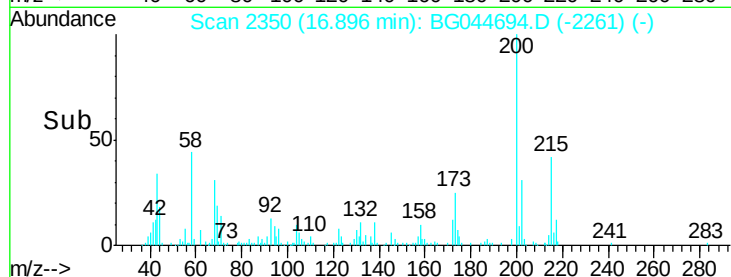
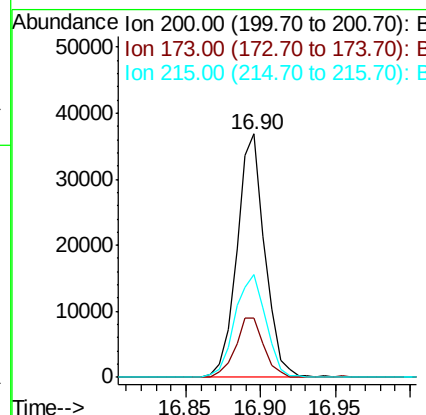
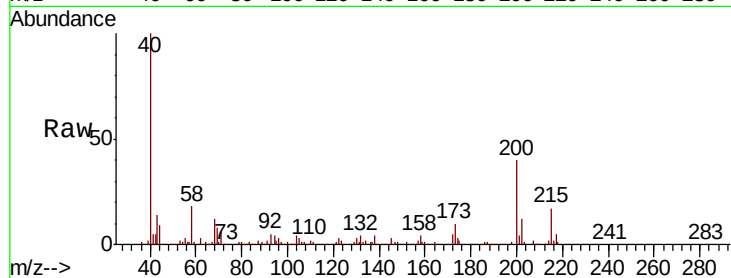
#69
Atrazine
Concen: 8.999 ng
RT: 16.90 min Scan# 2350
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	24.5	4.0	44.0
215	42.0	29.1	69.1

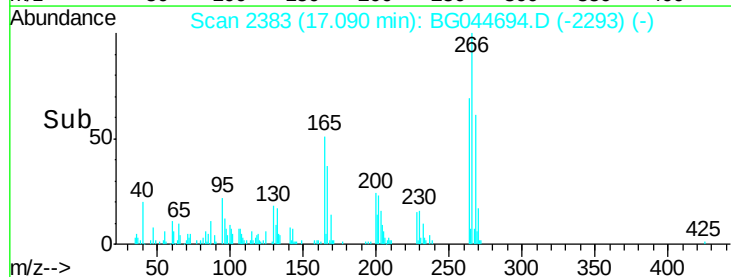
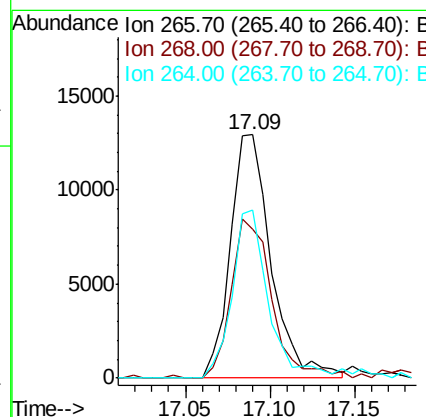
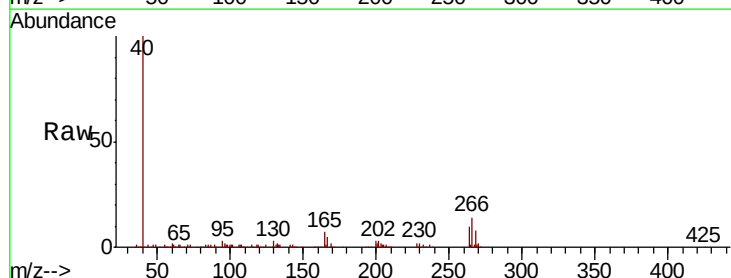
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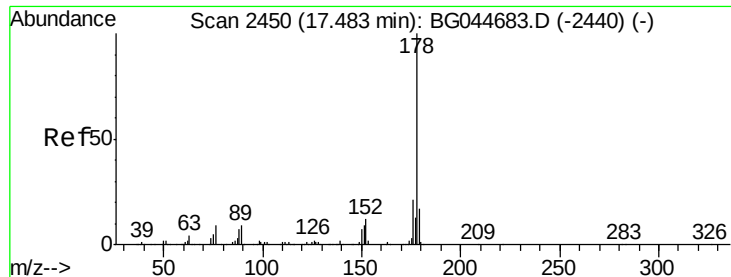
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#70
Pentachlorophenol
Concen: 6.234 ng
RT: 17.09 min Scan# 2383
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.1	52.7	79.1
264	69.2	52.3	78.5





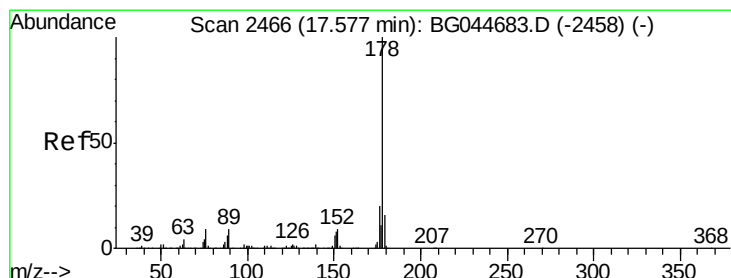
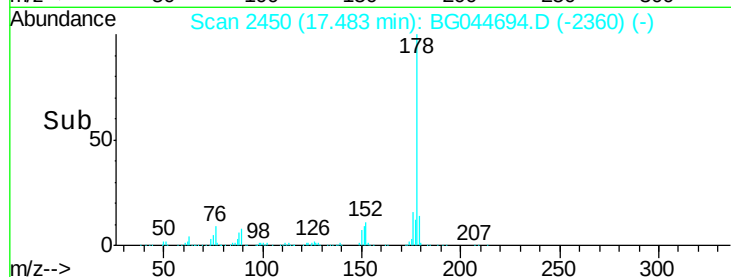
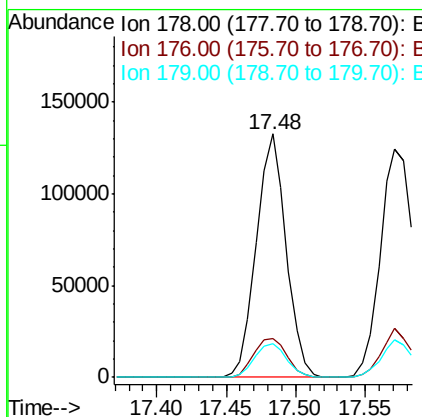
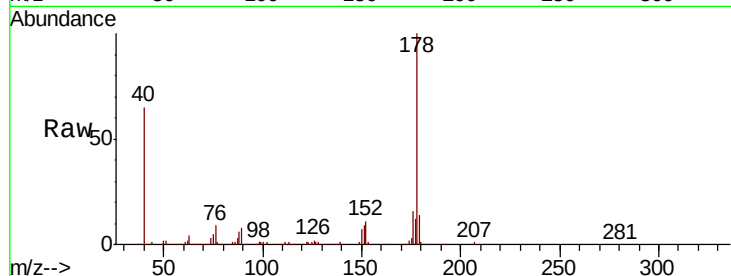
#71
 Phenanthrene
 Concen: 7.956 ng m
 RT: 17.48 min Scan# 2450
 Delta R.T. 0.00 min
 Lab File: BG044694.D
 Acq: 6 Mar 2020 12:38

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.1	16.5	24.7#
179	13.6	13.8	20.8#

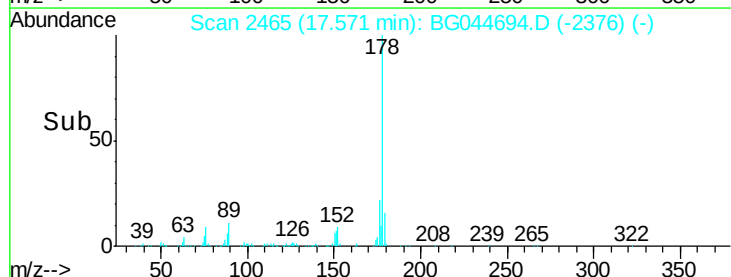
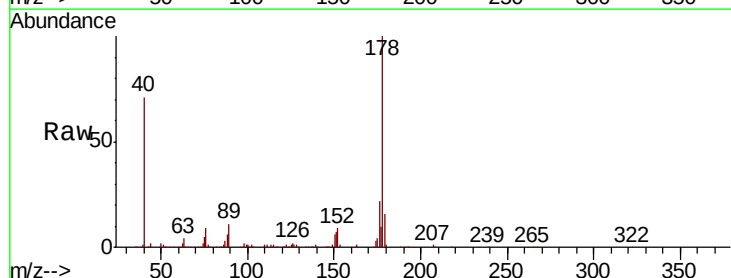
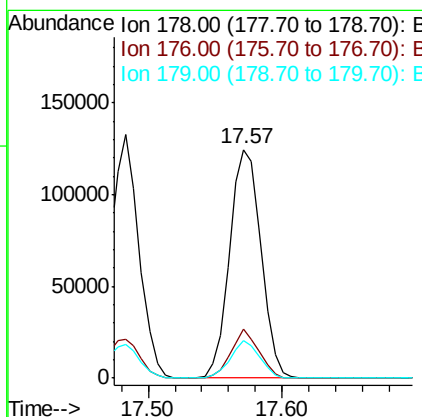
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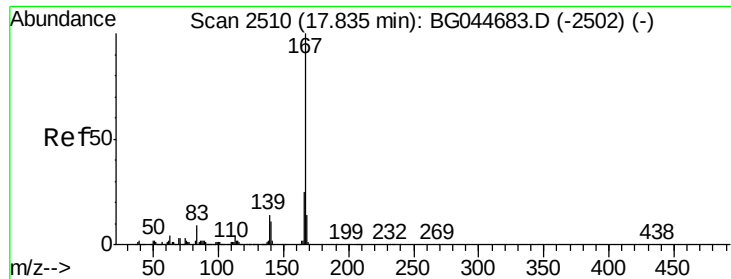
mohammad
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#72
 Anthracene
 Concen: 8.366 ng
 RT: 17.57 min Scan# 2465
 Delta R.T. -0.01 min
 Lab File: BG044694.D
 Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.7	15.7	23.5
179	16.5	12.6	19.0





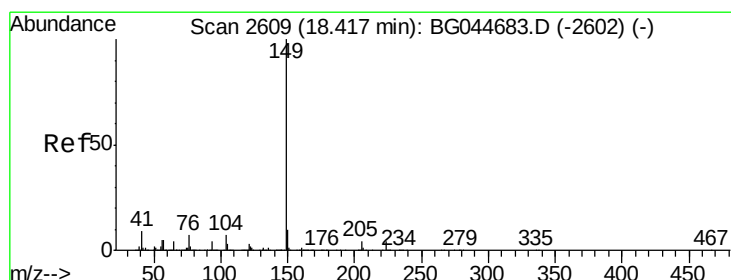
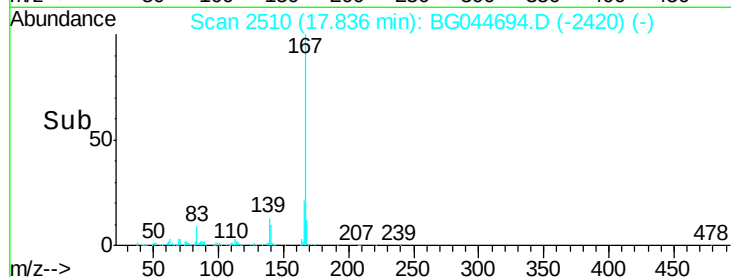
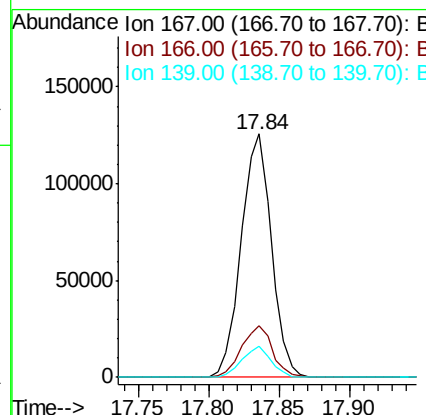
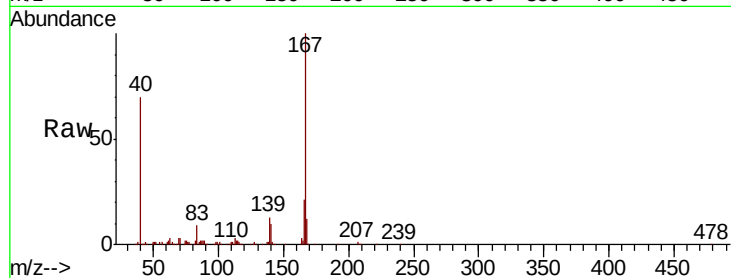
#73
 Carbazole
 Concen: 8.062 ng
 RT: 17.84 min Scan# 2510
 Delta R.T. 0.00 min
 Lab File: BG044694.D
 Acq: 6 Mar 2020 12:38

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	20.0	30.0
139	12.6	11.3	16.9

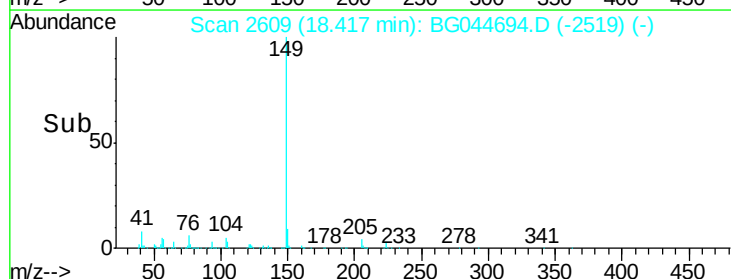
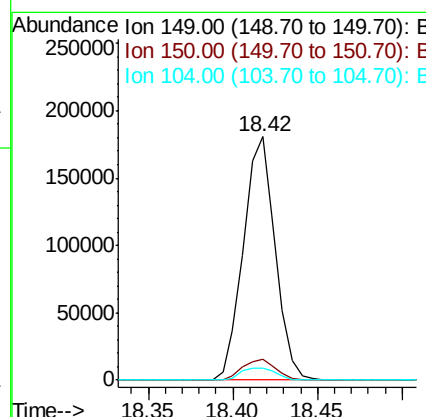
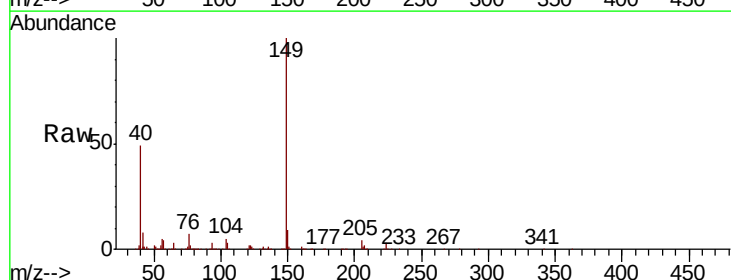
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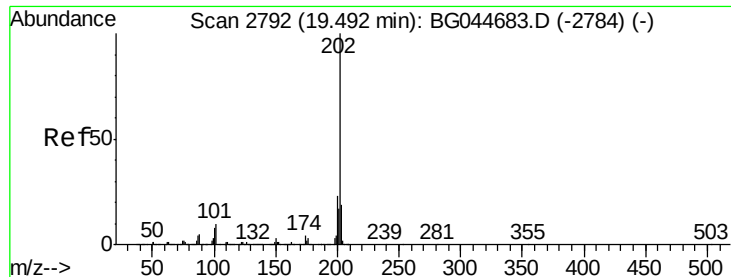
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#74
 Di-n-butylphthalate
 Concen: 8.082 ng
 RT: 18.42 min Scan# 2609
 Delta R.T. 0.00 min
 Lab File: BG044694.D
 Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.7	8.0	12.0
104	5.1	5.5	8.3#





#75

Fluoranthene

Concen: 8.327 ng

RT: 19.49 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

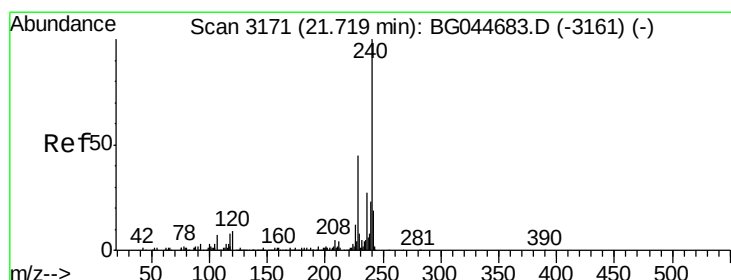
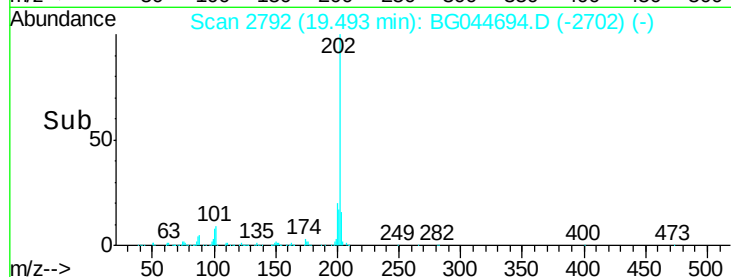
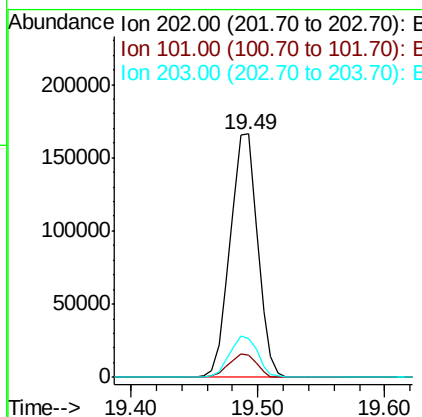
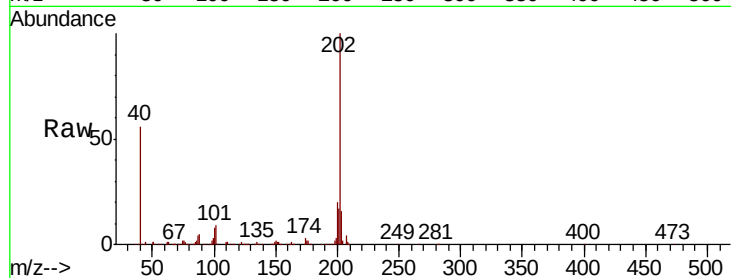
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.1	0.0	30.3
203	16.2	0.0	39.1

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#76

Chrysene-d12

Concen: 20.000 ng

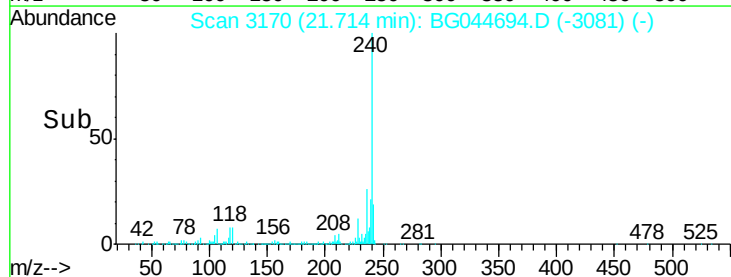
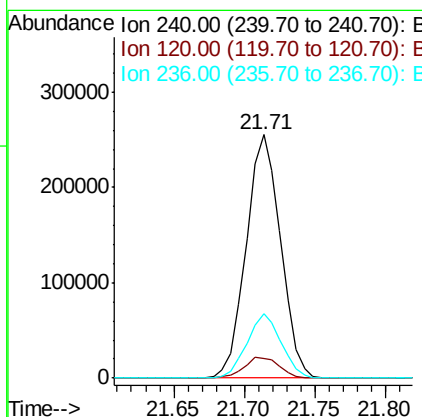
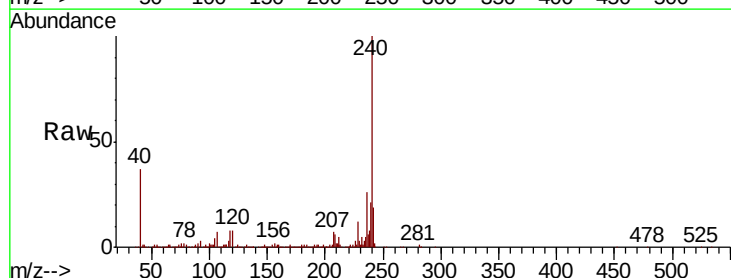
RT: 21.71 min Scan# 3170

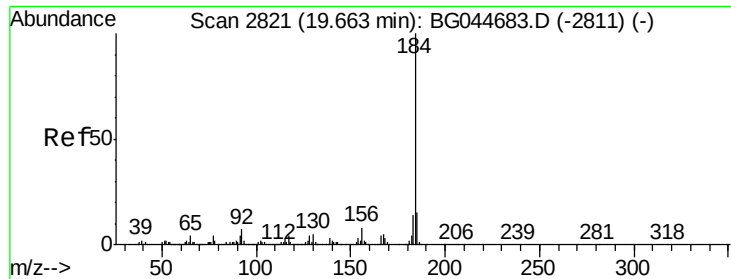
Delta R.T. -0.01 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.3	7.0	10.6
236	26.4	21.5	32.3





#77

Benzidine

Concen: 8.706 ng

RT: 19.66 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

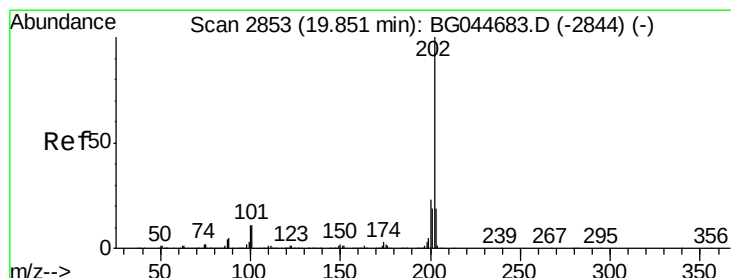
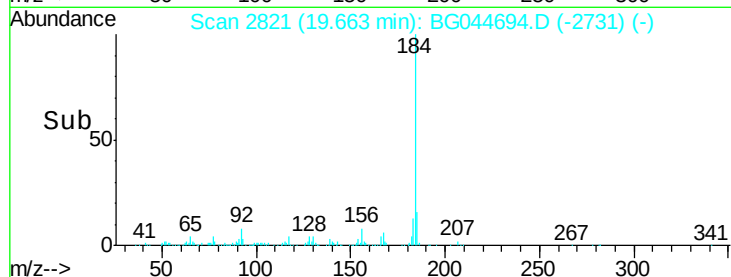
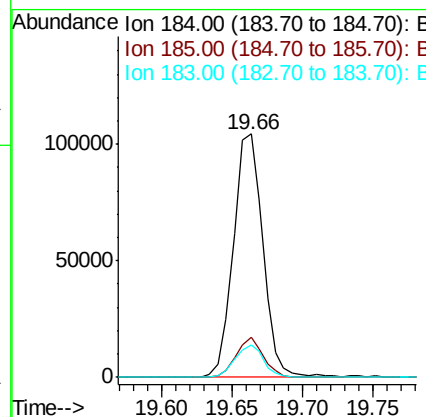
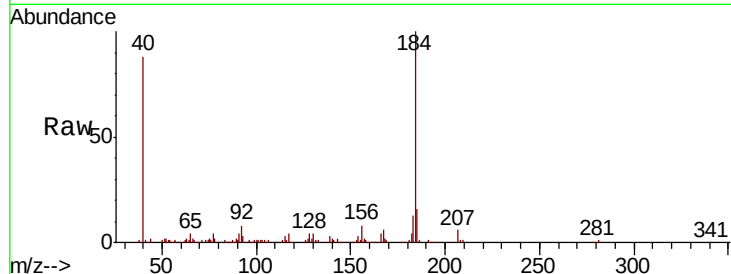
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	184	Resp:	151854
Ion Ratio	Lower	Upper	
184	100		
185	16.3	12.0	18.0
183	13.5	11.4	17.2

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#78

Pyrene

Concen: 7.544 ng

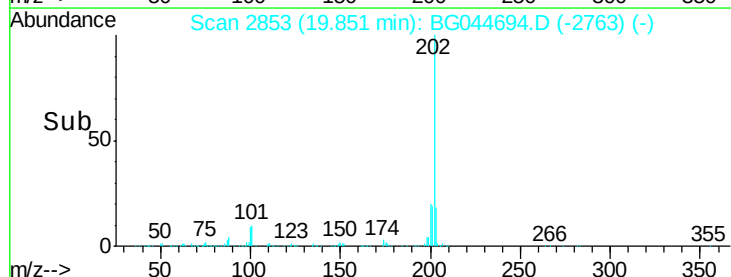
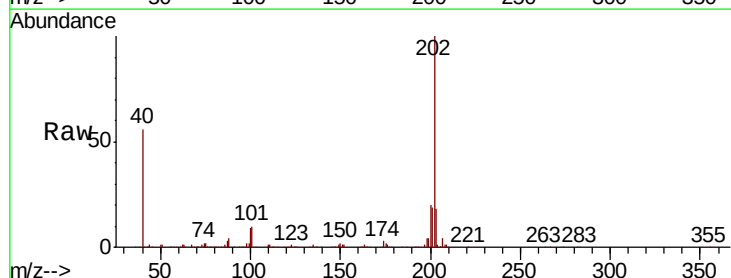
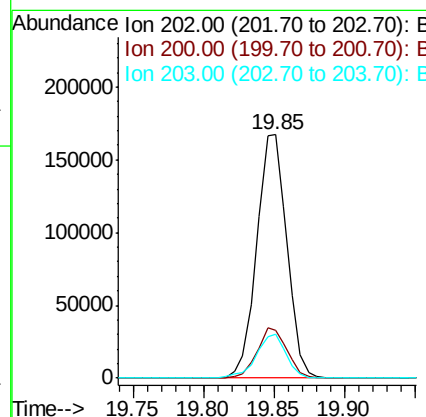
RT: 19.85 min Scan# 2853

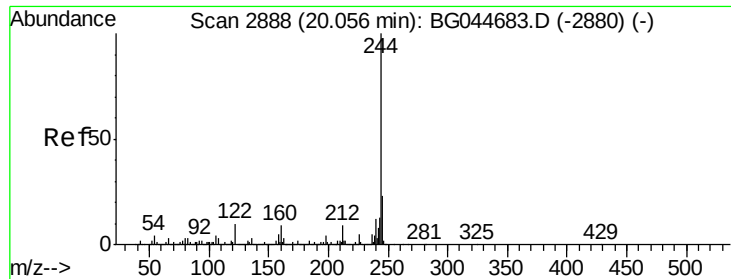
Delta R.T. 0.00 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Tgt Ion:	202	Resp:	251422
Ion Ratio	Lower	Upper	
202	100		
200	19.8	18.2	27.2
203	18.1	15.2	22.8





#79

Terphenyl-d14

Concen: 90.822 ng

RT: 20.06 min Scan# 2888

Delta R.T. 0.00 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:244 Resp: 2223161

Ion Ratio Lower Upper

244 100

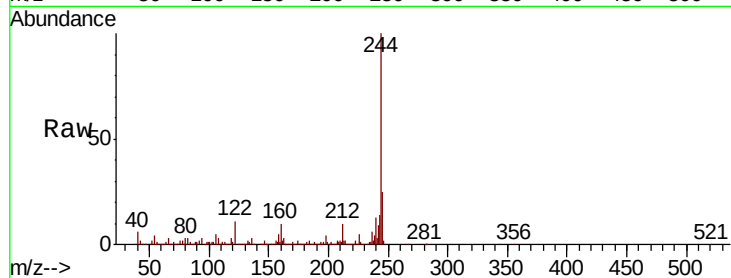
212 10.2 7.5 11.3

122 10.9 7.7 11.5

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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

2000000

1500000

1000000

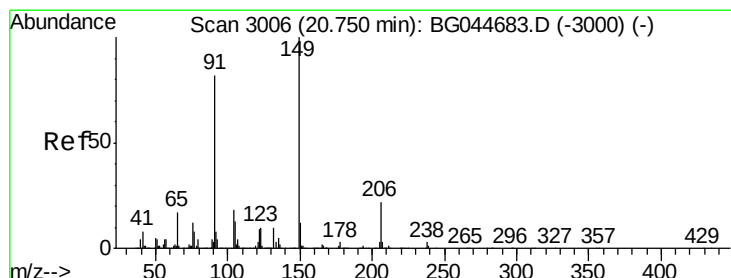
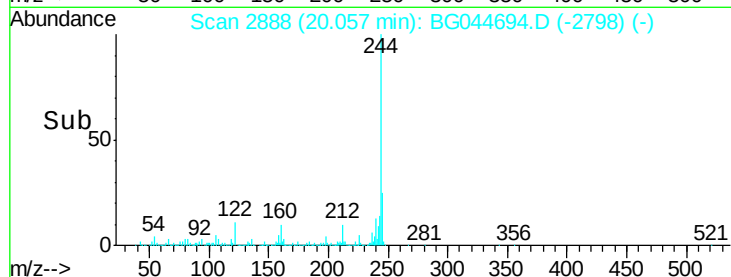
500000

0

20.06

20.00 20.05 20.10

Time-->



#80

Butylbenzylphthalate

Concen: 6.750 ng

RT: 20.75 min Scan# 3006

Delta R.T. 0.00 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

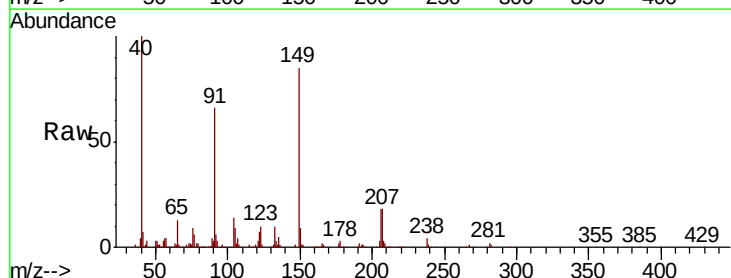
Tgt Ion:149 Resp: 100411

Ion Ratio Lower Upper

149 100

91 77.6 65.7 98.5

206 21.5 17.3 25.9



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

100000

80000

60000

40000

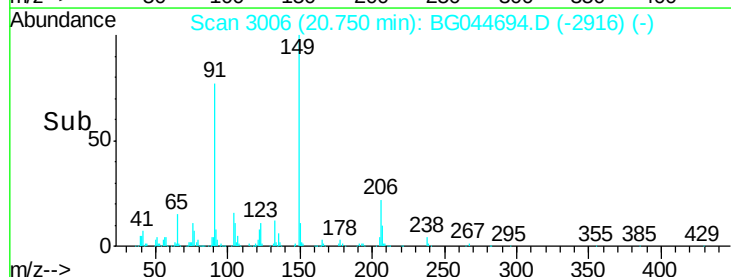
20000

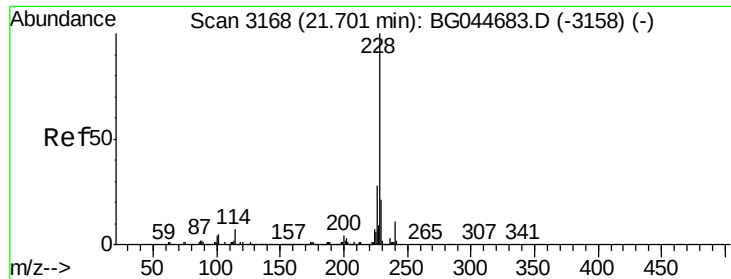
0

20.75

20.70 20.75 20.80

Time-->





#81

Benzo(a)anthracene

Concen: 7.618 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

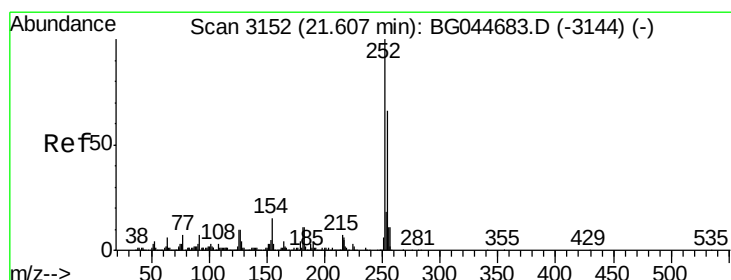
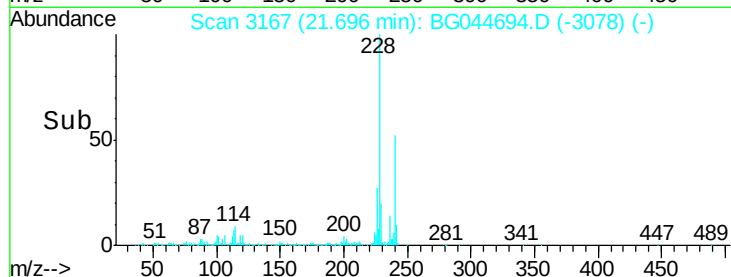
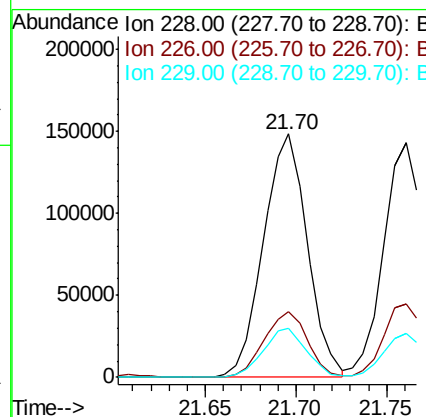
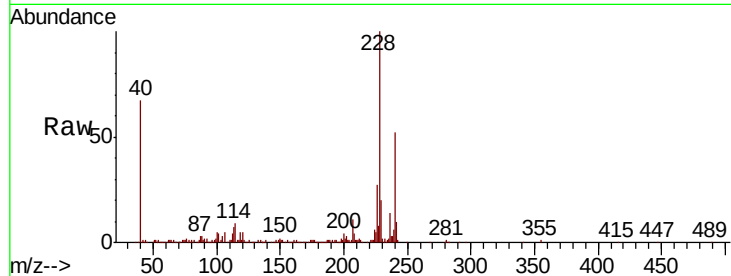
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	27.1	22.8	34.2	
229	19.9	17.0	25.6	

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#82

3,3'-Dichlorobenzidine

Concen: 7.957 ng

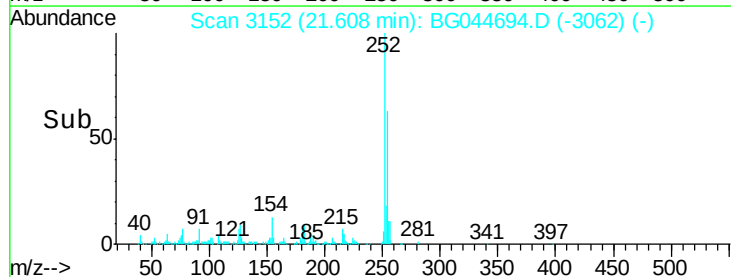
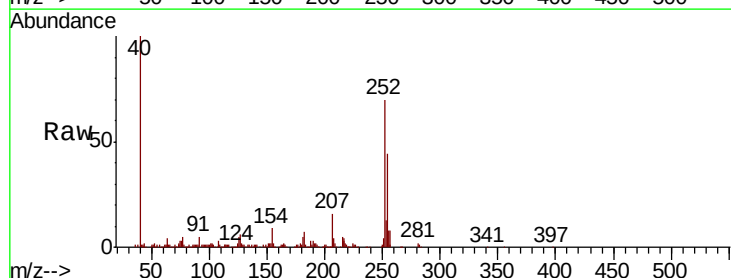
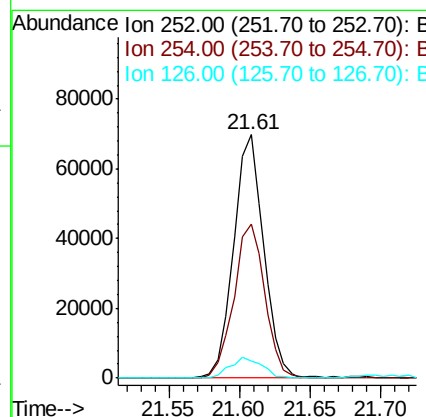
RT: 21.61 min Scan# 3152

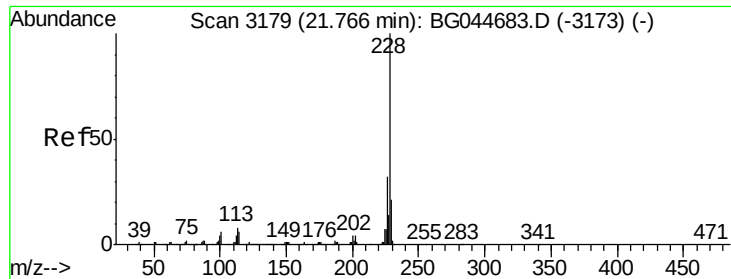
Delta R.T. 0.00 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
254	63.2	52.6	79.0	
126	7.0	7.8	11.6	





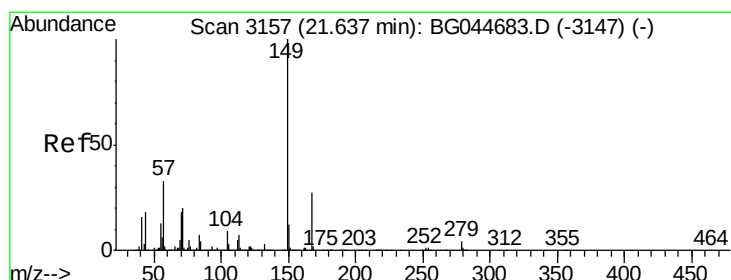
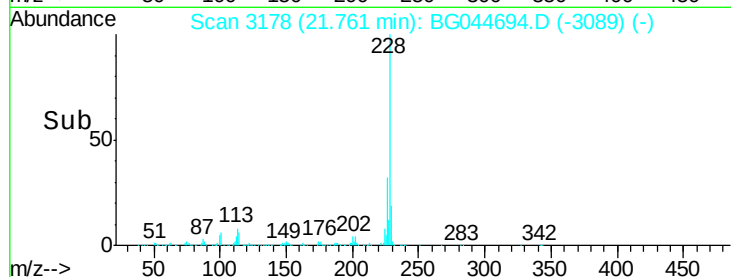
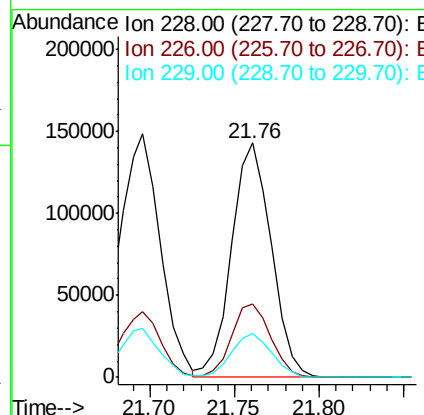
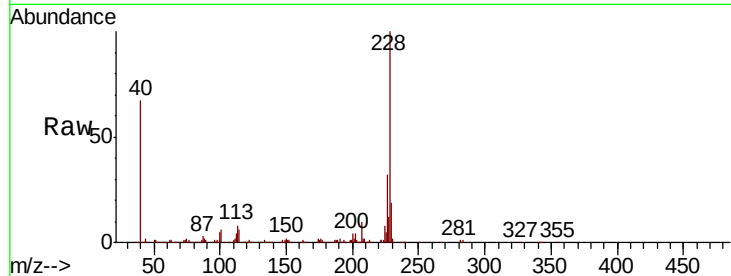
#83
Chrysene
Concen: 7.482 ng
RT: 21.76 min Scan# 3178
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	31.6		25.8	38.6	
229	19.0		16.6	25.0	

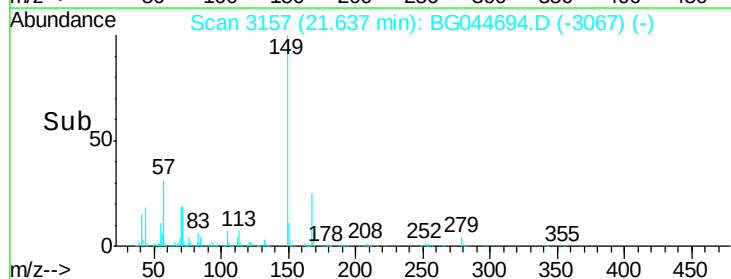
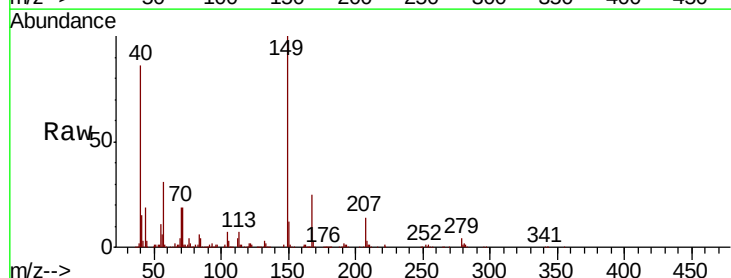
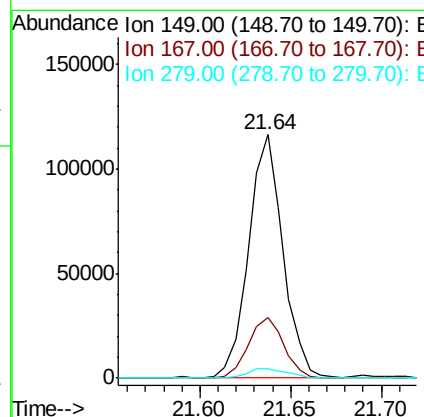
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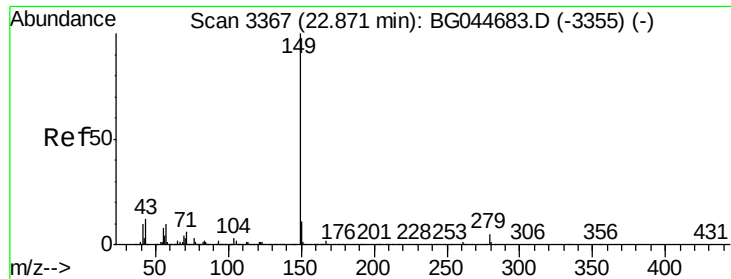
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#84
Bis(2-ethylhexyl)phthalate
Concen: 7.343 ng
RT: 21.64 min Scan# 3157
Delta R.T. 0.00 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100				
167	25.0		21.3	31.9	
279	3.6		3.6	5.4	





#85

Di-n-octyl phthalate

Concen: 7.002 ng

RT: 22.87 min Scan# 3366

Delta R.T. -0.01 min

Lab File: BG044694.D

Acq: 6 Mar 2020 12:38

Instrument :

BNA_G

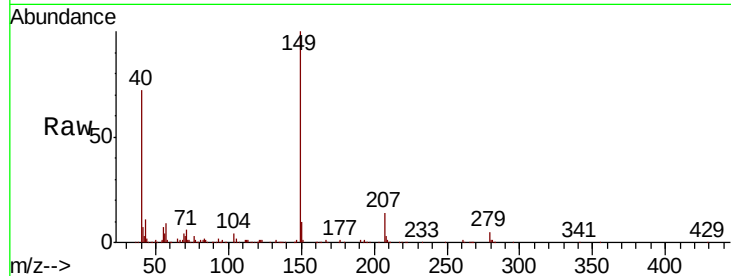
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

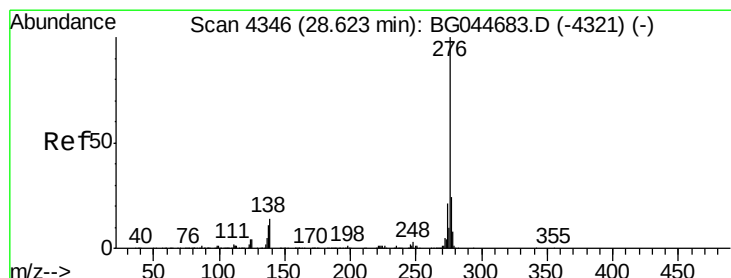
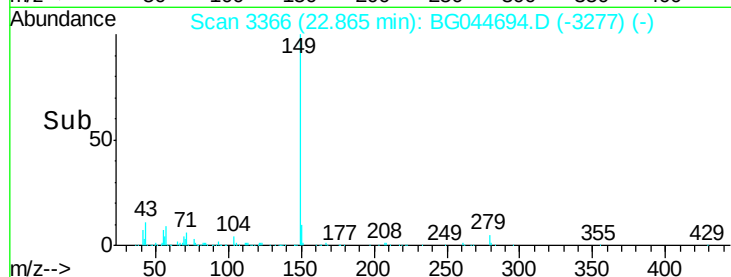
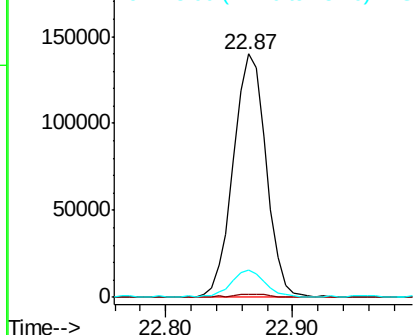
Tot Ion:	149	Resp:	249448
Ion Ratio		Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.4	9.5	14.3

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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: 7.061 ng

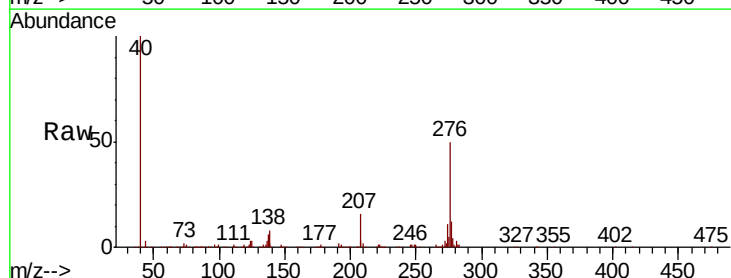
RT: 28.61 min Scan# 4343

Delta R.T. -0.02 min

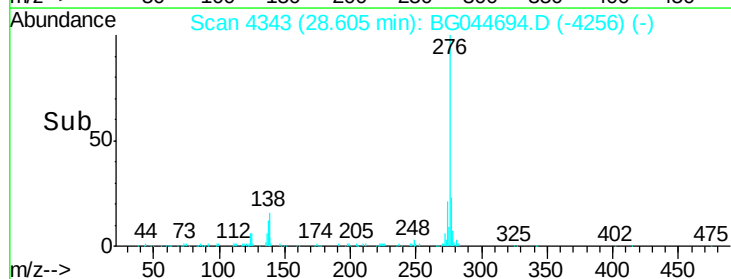
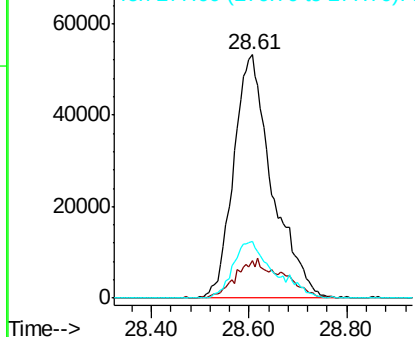
Lab File: BG044694.D

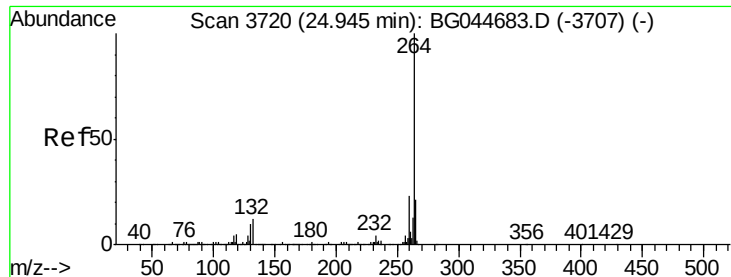
Acq: 6 Mar 2020 12:38

Tgt Ion:	276	Resp:	290850
Ion Ratio		Lower	Upper
276	100		
138	14.2	9.5	14.3
277	21.7	20.6	30.8



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





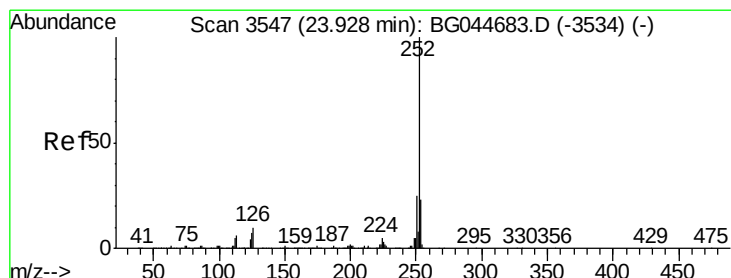
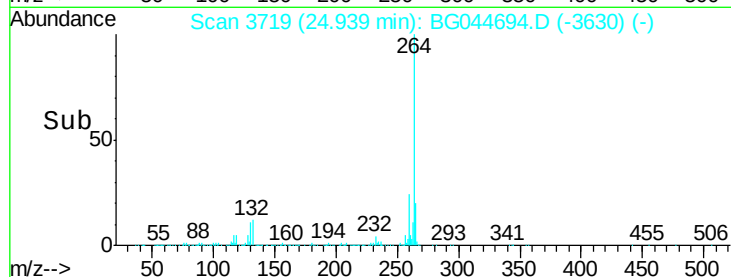
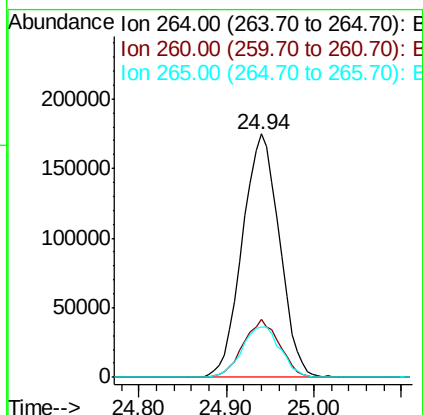
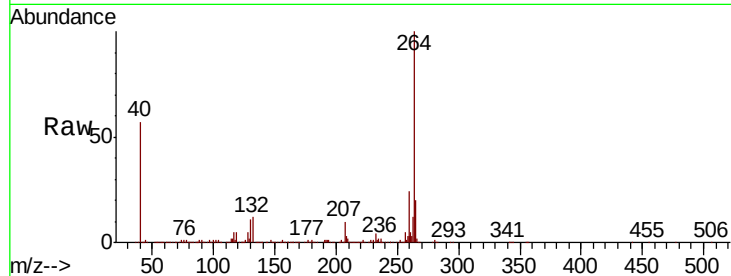
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.94 min Scan# 3719
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.4	27.6
265	20.4	16.9	25.3

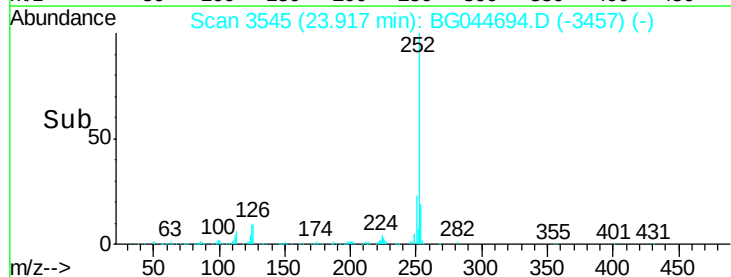
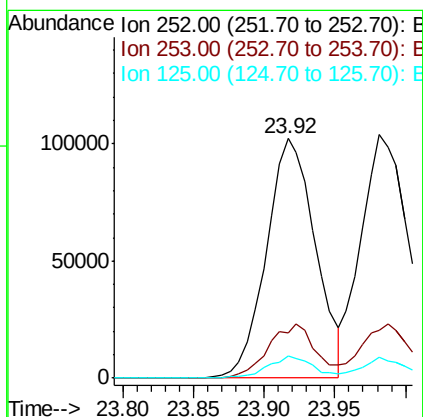
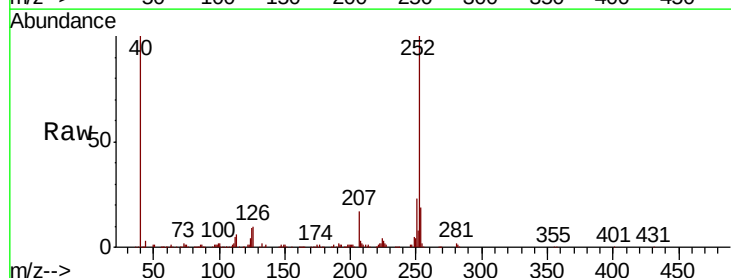
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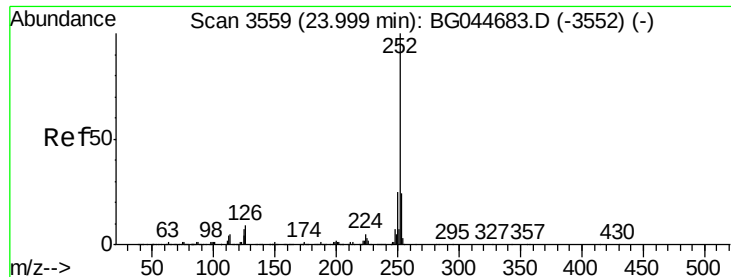
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#88
Benzo(b)fluoranthene
Concen: 7.188 ng
RT: 23.92 min Scan# 3545
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	18.9	18.1	27.1
125	9.2	5.6	8.4#





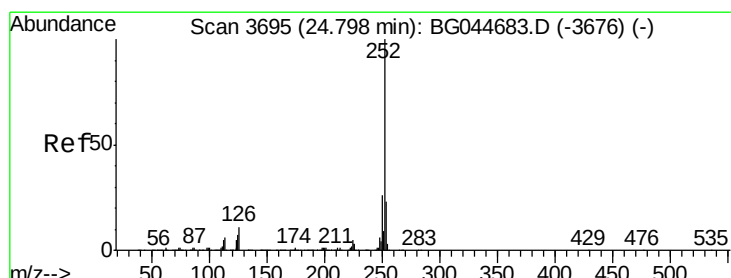
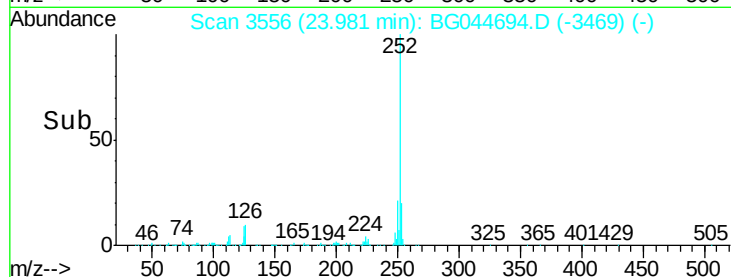
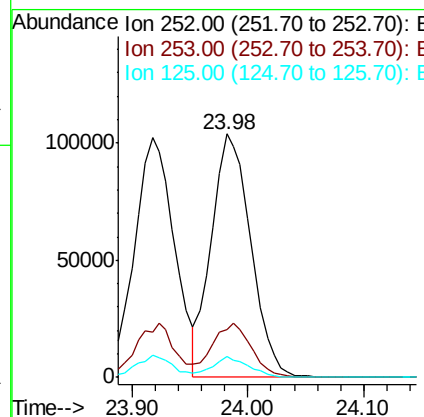
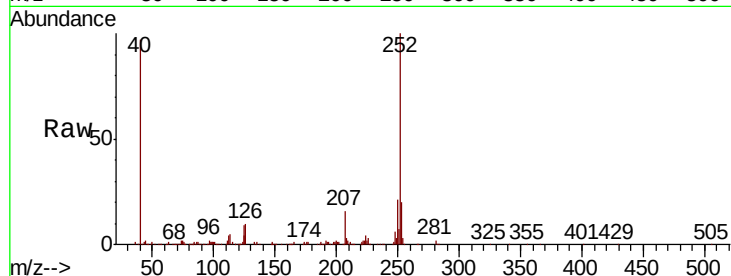
#89
Benzo(k)fluoranthene
Concen: 7.606 ng
RT: 23.98 min Scan# 3556
Delta R.T. -0.02 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	19.8	18.5	27.7
125	8.5	5.8	8.8

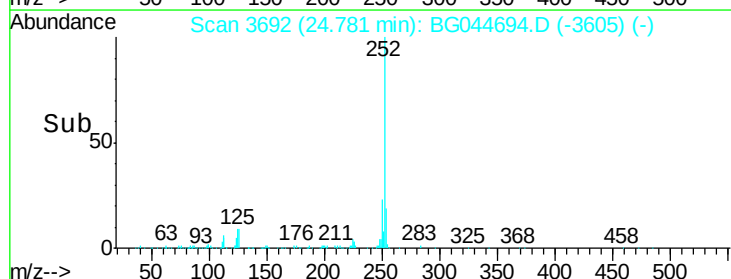
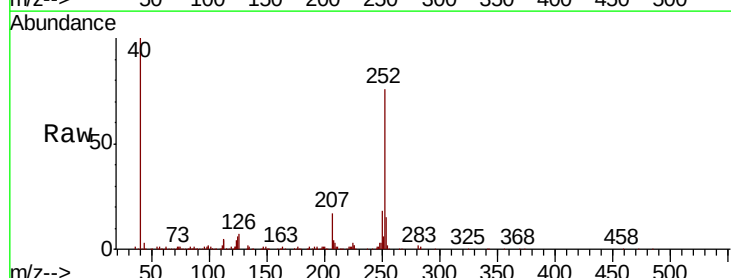
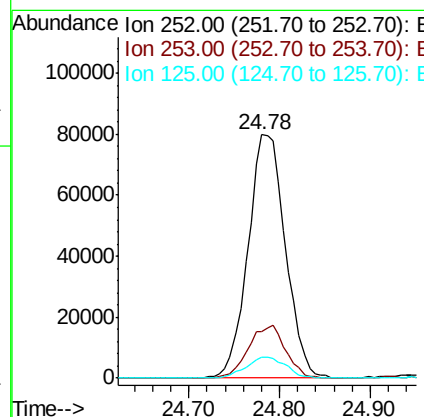
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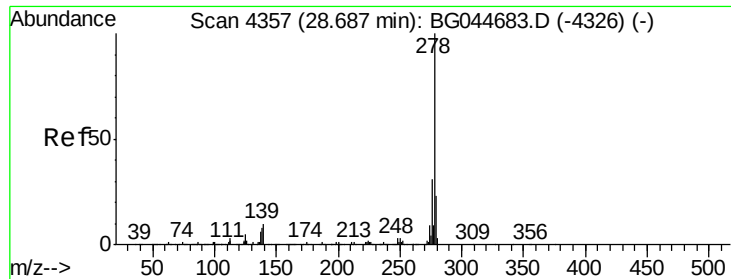
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#90
Benzo(a)pyrene
Concen: 7.122 ng
RT: 24.78 min Scan# 3692
Delta R.T. -0.02 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.3	18.4	27.6
125	8.5	6.0	9.0





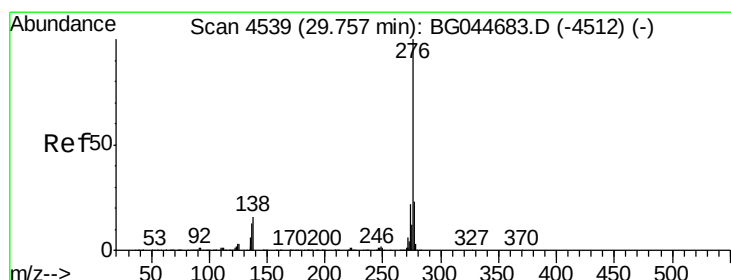
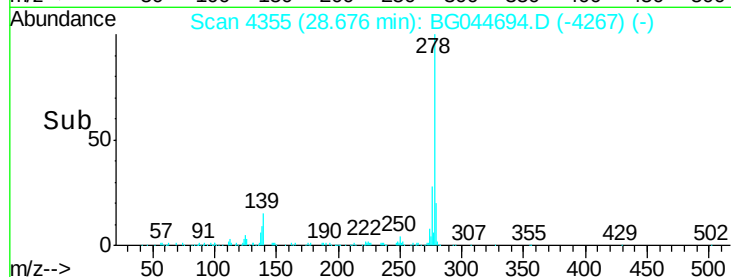
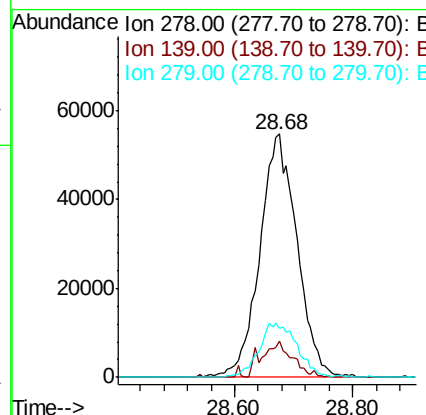
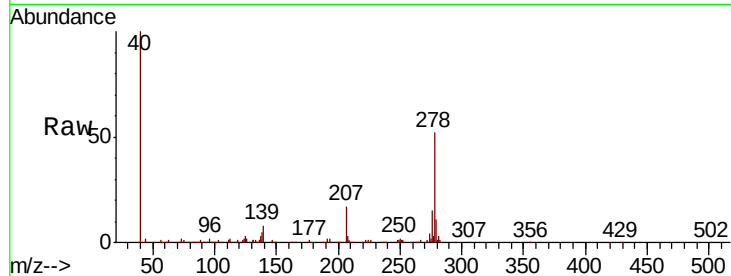
#91
Dibenzo(a,h)anthracene
Concen: 7.459 ng
RT: 28.68 min Scan# 4357
Delta R.T. -0.01 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.8	8.4	12.6#
279	20.4	18.2	27.2

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 7.387 ng
RT: 29.73 min Scan# 4534
Delta R.T. -0.03 min
Lab File: BG044694.D
Acq: 6 Mar 2020 12:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.7	28.1
138	16.0	12.7	19.1

