

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070820\
 Data File : BG045976.D
 Acq On : 8 Jul 2020 11:31
 Operator : CG/JU
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Manual Integrations
 APPROVED

mohammad
 7/10/2020 11:45:34 AM

Quant Time: Jul 08 12:15:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	139876	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	567303	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	337420	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	705604	20.00	ng	0.00
76) Chrysene-d12	21.63	240	671294	20.00	ng	0.00
86) Perylene-d12	24.78	264	658631	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	1160291	134.52	ng	0.00
7) Phenol-d6	7.17	99	1625500	130.90	ng	0.00
23) Nitrobenzene-d5	9.16	82	809193	82.10	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	462657	147.74	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1592064	73.60	ng	0.00
79) Terphenyl-d14	19.98	244	1724158	57.16	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	18491	4.647	ng	92
3) Pyridine	3.91	79	38231	3.177	ng	93
4) n-Nitrosodimethylamine	3.82	42	15834m	3.892	ng	
6) Aniline	7.33	93	60252	3.793	ng	99
8) 2-Chlorophenol	7.57	128	35039	3.774	ng	97
9) Benzaldehyde	7.14	77	41004	5.212	ng	96
10) Phenol	7.19	94	45832	3.679	ng	94
11) bis(2-Chloroethyl)ether	7.42	93	38113	3.700	ng	96
12) 1,3-Dichlorobenzene	7.90	146	39236m	3.666	ng	
13) 1,4-Dichlorobenzene	8.04	146	39389	3.741	ng	97
14) 1,2-Dichlorobenzene	8.36	146	35063	3.460	ng	96
15) Benzyl Alcohol	8.23	79	32703	3.359	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.53	45	47451	3.531	ng	95
17) 2-Methylphenol	8.44	107	30364	3.249	ng	93
18) Hexachloroethane	9.09	117	14331	3.538	ng	89
19) n-Nitroso-di-n-propylamine	8.80	70	32428	3.717	ng	89
20) 3+4-Methylphenols	8.76	107	40064	3.145	ng	94
22) Acetophenone	8.82	105	60386	3.984	ng	# 95
24) Nitrobenzene	9.20	77	47199	4.339	ng	90
25) Isophorone	9.72	82	85251	3.543	ng	100
26) 2-Nitrophenol	9.91	139	12044	3.397	ng	# 93
27) 2,4-Dimethylphenol	9.97	122	31671	3.698	ng	96
28) bis(2-Chloroethoxy)methane	10.21	93	50139	3.711	ng	96
29) 2,4-Dichlorophenol	10.44	162	29089	3.281	ng	93
30) 1,2,4-Trichlorobenzene	10.67	180	33557	3.416	ng	94
31) Naphthalene	10.85	128	112605	3.703	ng	98
32) Benzoic acid	10.02	122	7194m	1.551	ng	
33) 4-Chloroaniline	10.95	127	46764	3.441	ng	94
34) Hexachlorobutadiene	11.15	225	19080	3.326	ng	96
35) Caprolactam	11.69	113	10698	3.178	ng	# 83
36) 4-Chloro-3-methylphenol	12.06	107	33413	3.309	ng	89
37) 2-Methylnaphthalene	12.46	142	81360	3.763	ng	98
38) 1-Methylnaphthalene	12.68	142	76111m	3.730	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	36616	3.850	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070820\
 Data File : BG045976.D
 Acq On : 8 Jul 2020 11:31
 Operator : CG/JU
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

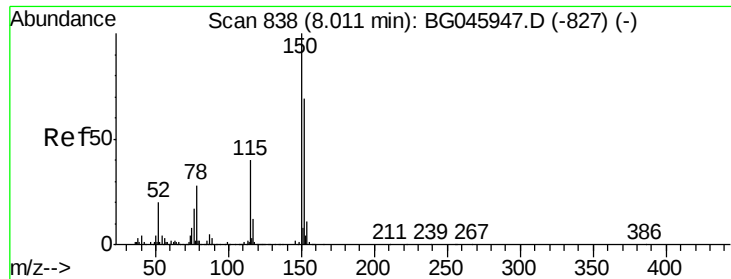
Manual Integrations
 APPROVED

mohammad
 7/10/2020 11:45:34 AM

Quant Time: Jul 08 12:15:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	19863	3.519	nq	94
43) 2,4,6-Trichlorophenol	13.06	196	21198	3.295	nq	87
44) 2,4,5-Trichlorophenol	13.13	196	23757	3.266	nq	94
46) 1,1'-Biphenyl	13.46	154	104012	4.098	nq	98
47) 2-Chloronaphthalene	13.50	162	74164	3.703	nq	97
48) 2-Nitroaniline	13.69	65	18903	4.033	nq	94
49) Acenaphthylene	14.34	152	123367	3.818	nq	97
50) Dimethylphthalate	14.08	163	91313	3.606	nq	100
51) 2,6-Dinitrotoluene	14.19	165	15595	3.969	nq	88
52) Acenaphthene	14.69	154	74421	3.651	nq	96
53) 3-Nitroaniline	14.51	138	17200	3.532	nq	88
54) 2,4-Dinitrophenol	14.72	184	2552m	1.841	nq	
55) Dibenzofuran	15.03	168	115181	3.855	nq	99
56) 4-Nitrophenol	14.81	139	12867	3.119	nq	97
57) 2,4-Dinitrotoluene	14.97	165	18270	3.763	nq	97
58) Fluorene	15.67	166	94584	3.859	nq	96
59) 2,3,4,6-Tetrachlorophenol	15.24	232	19033m	3.389	nq	
60) Diethylphthalate	15.45	149	96232	3.624	nq	97
61) 4-Chlorophenyl-phenylether	15.67	204	44087	3.616	nq	96
62) 4-Nitroaniline	15.67	138	17761	3.394	nq	92
63) Azobenzene	15.97	77	108944	3.822	nq	97
65) 4,6-Dinitro-2-methylphenol	15.73	198	5228	2.530	nq	95
66) n-Nitrosodiphenylamine	15.88	169	81157	3.712	nq	97
67) 4-Bromophenyl-phenylether	16.56	248	25639	3.253	nq	90
68) Hexachlorobenzene	16.68	284	27719	3.505	nq	97
69) Atrazine	16.82	200	26811	4.147	nq	94
70) Pentachlorophenol	17.02	266	11575	2.633	nq	95
71) Phenanthrene	17.41	178	143876	3.857	nq	96
72) Anthracene	17.50	178	148118	3.913	nq	97
73) Carbazole	17.76	167	136818	3.606	nq	95
74) Di-n-butylphthalate	18.34	149	166247	3.626	nq	95
75) Fluoranthene	19.42	202	168956	3.918	nq	95
77) Benzidine	19.59	184	77345	4.030	nq	98
78) Pyrene	19.78	202	176978	3.862	nq	93
80) Butylbenzylphthalate	20.68	149	66291	3.061	nq	97
81) Benzo(a)anthracene	21.60	228	162498	3.681	nq	96
82) 3,3'-Dichlorobenzidine	21.52	252	58652	3.596	nq	93
83) Chrysene	21.67	228	153480	3.650	nq	94
84) Bis(2-ethylhexyl)phthalate	21.55	149	105416	3.354	nq	# 91
85) Di-n-octyl phthalate	22.75	149	169638	3.110	nq	99
87) Indeno(1,2,3-cd)pyrene	28.35	276	168824	3.504	nq	# 90
88) Benzo(b)fluoranthene	23.78	252	153733	3.677	nq	99
89) Benzo(k)fluoranthene	23.85	252	153006	3.870	nq	99
90) Benzo(a)pyrene	24.63	252	140715	3.579	nq	97
91) Dibenzo(a,h)anthracene	28.41	278	139188	3.582	nq	97
92) Benzo(g,h,i)perylene	29.46	276	141468	3.617	nq	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

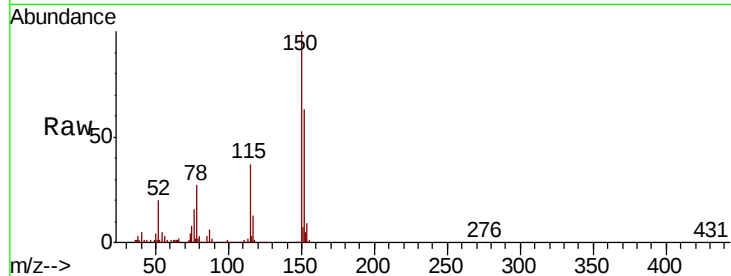
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	116.7	175.1
115	58.7	47.4	71.0

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM

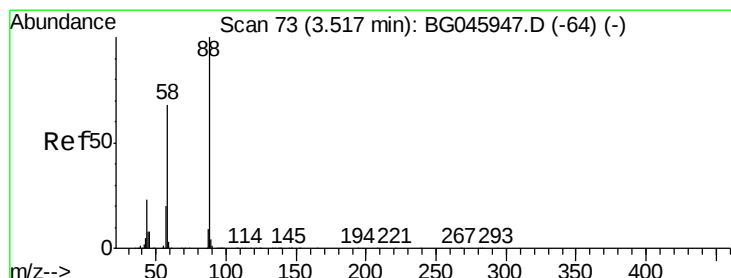
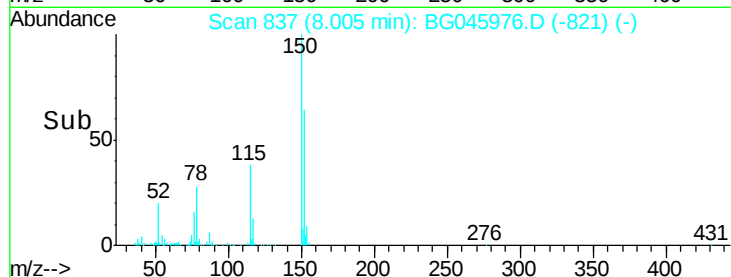
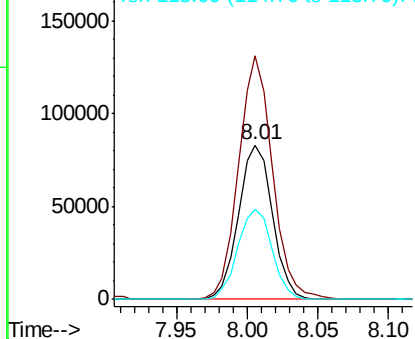


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 4.647 ng

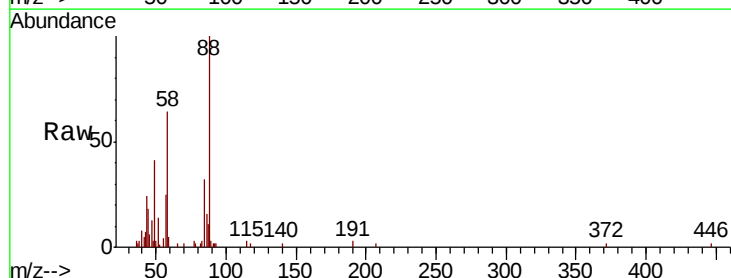
RT: 3.52 min Scan# 73

Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	61.6	55.2	82.8
43	26.1	19.4	29.0

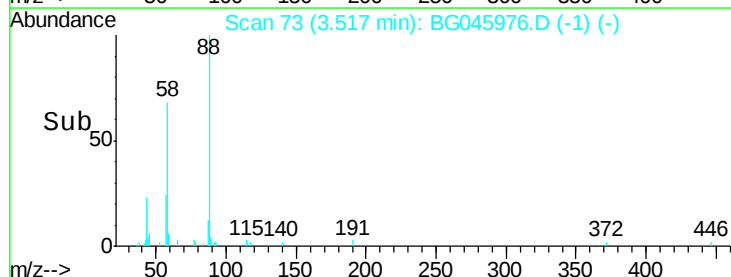
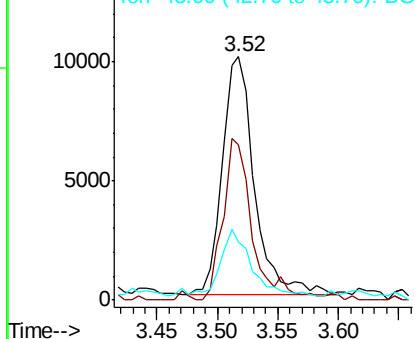


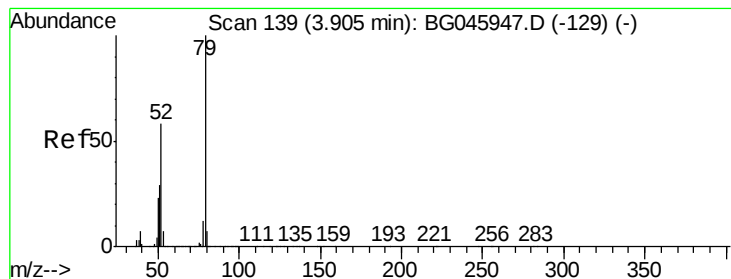
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 3.177 ng

RT: 3.91 min Scan# 139

Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

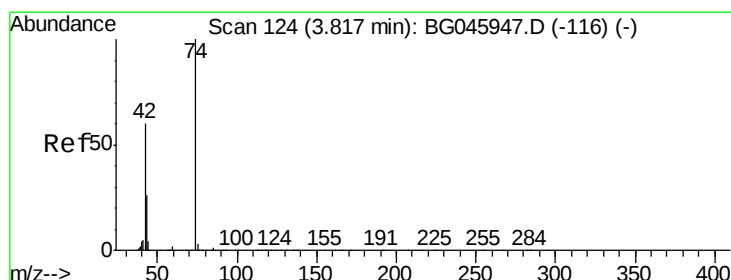
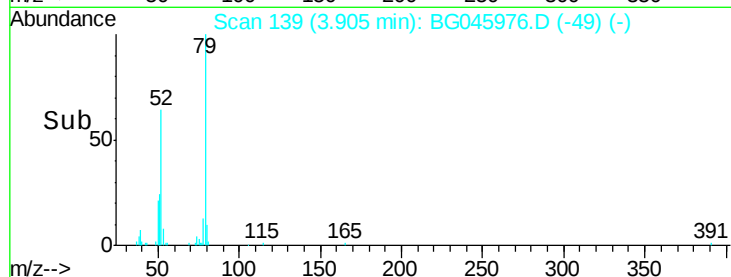
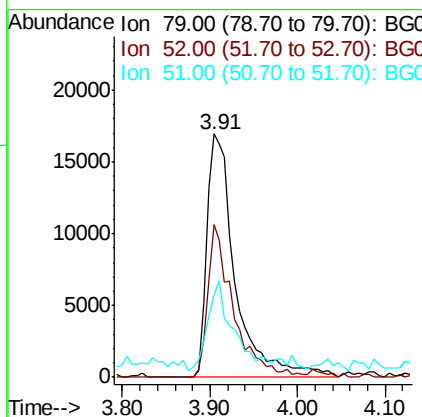
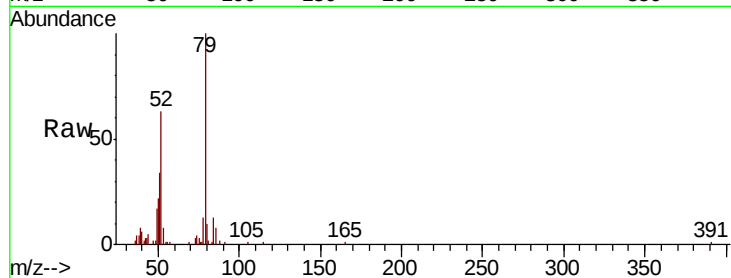
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	79	Resp:	38231
Ion Ratio	Lower	Upper	
79	100		
52	62.8	46.5	69.7
51	33.8	23.5	35.3

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



#4

n-Nitrosodimethylamine

Concen: 3.892 ng m

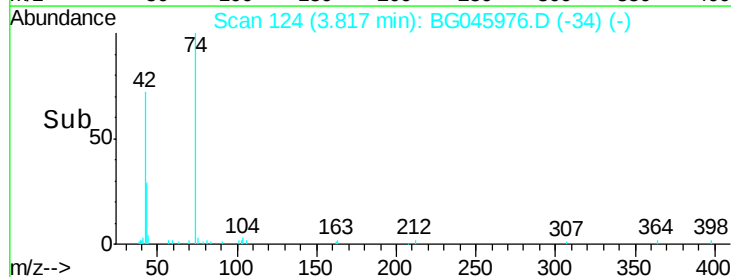
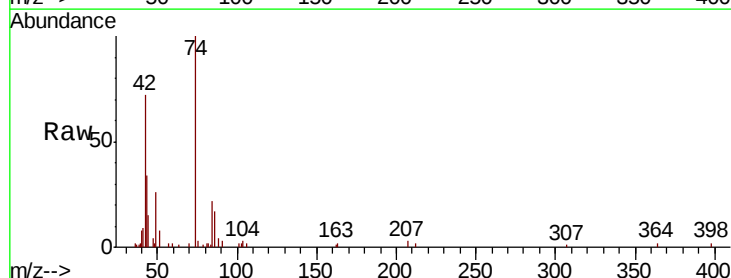
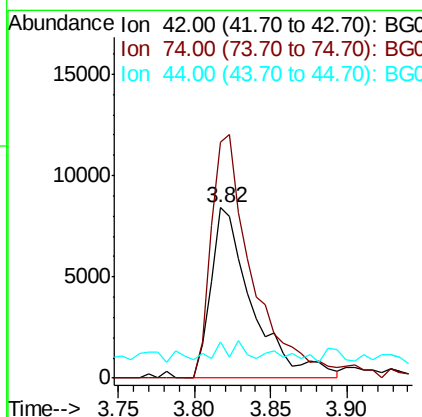
RT: 3.82 min Scan# 124

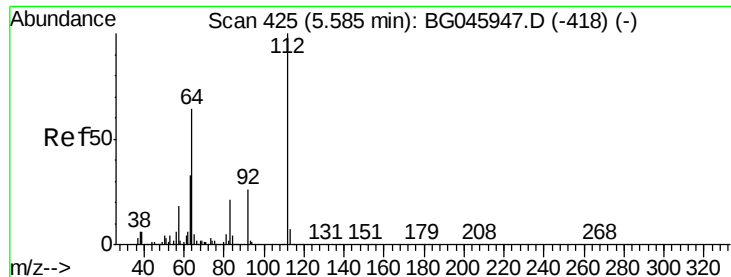
Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion:	42	Resp:	15834
Ion Ratio	Lower	Upper	
42	100		
74	138.9	131.9	197.9
44	21.0	7.7	11.5#





#5

2-Fluorophenol

Concen: 134.519 ng

RT: 5.59 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

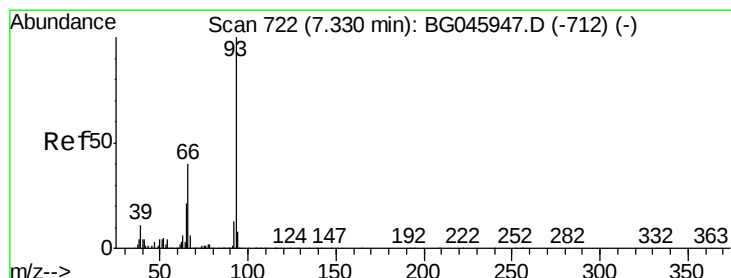
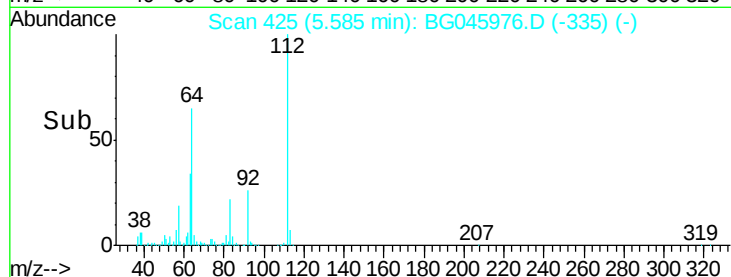
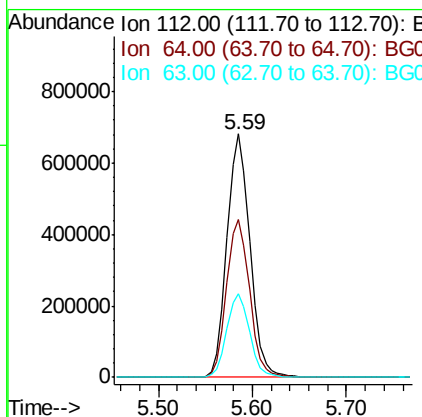
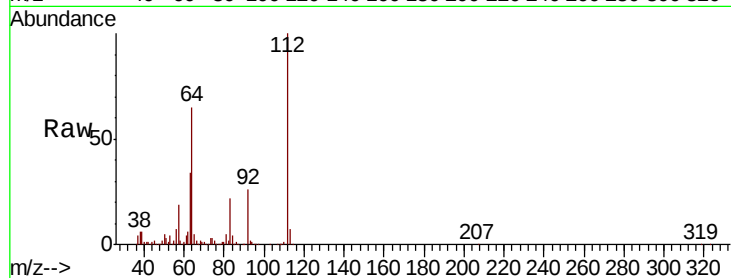
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	112	Resp:	1160291
Ion	Ratio	Lower	Upper
112	100		
64	64.6	51.4	77.2
63	34.4	26.6	40.0

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



#6

Aniline

Concen: 3.793 ng

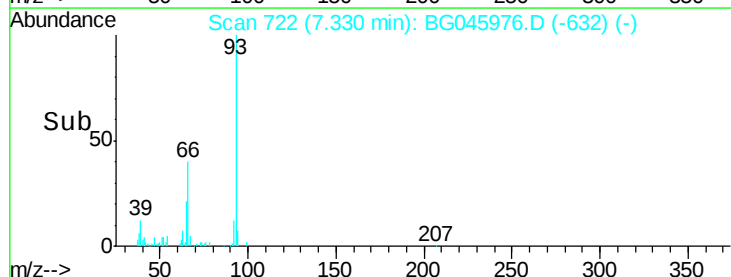
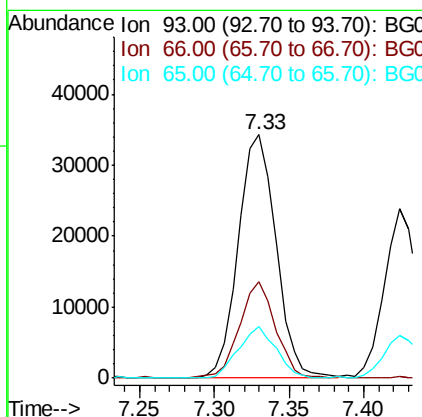
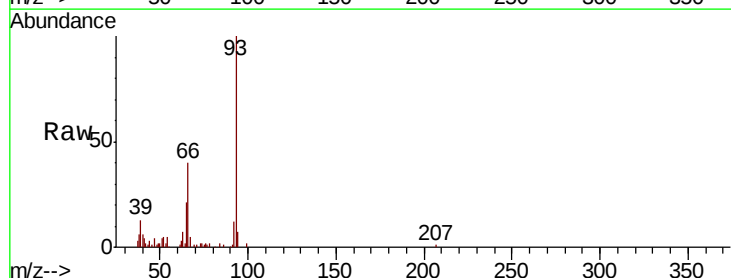
RT: 7.33 min Scan# 722

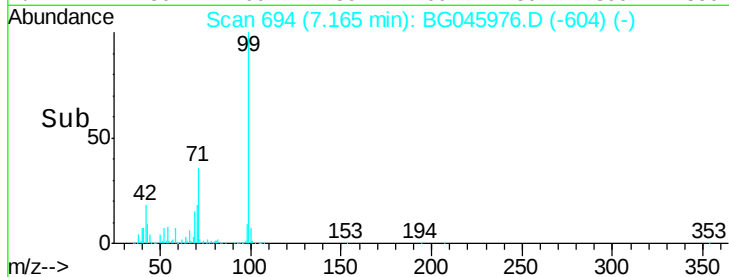
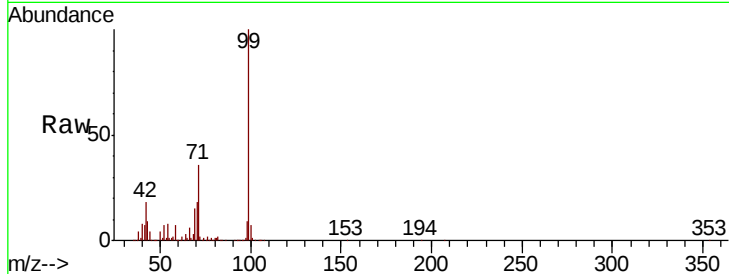
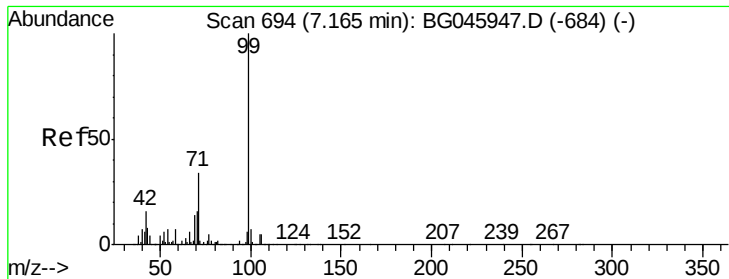
Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion:	93	Resp:	60252
Ion	Ratio	Lower	Upper
93	100		
66	39.6	32.3	48.5
65	21.3	16.6	25.0





#7

Phenol-d6

Concen: 130.897 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tot Ion	Ion	Ratio	Lower	Upper
99	100			
42	18.2	13.0	19.4	
71	35.8	27.5	41.3	

Instrument :

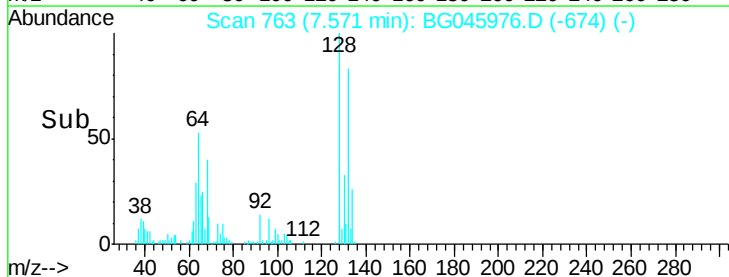
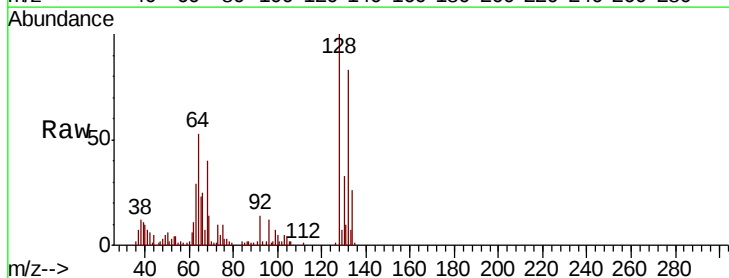
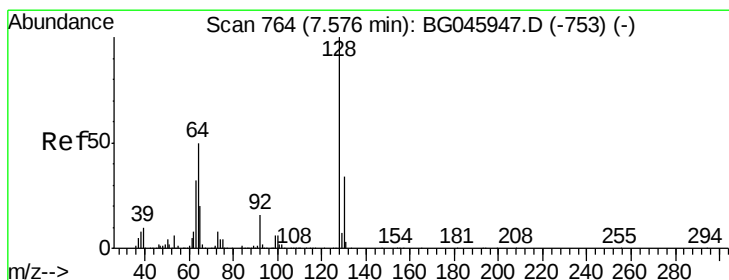
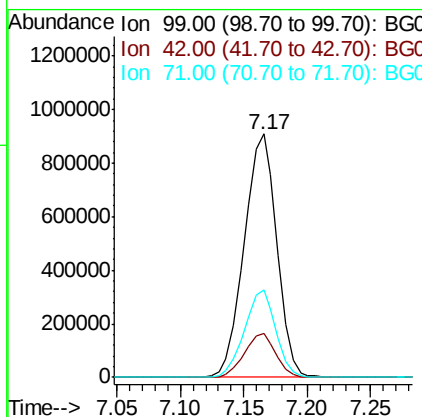
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



#8

2-Chlorophenol

Concen: 3.774 ng

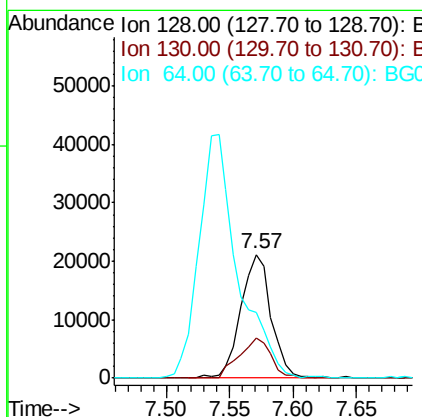
RT: 7.57 min Scan# 763

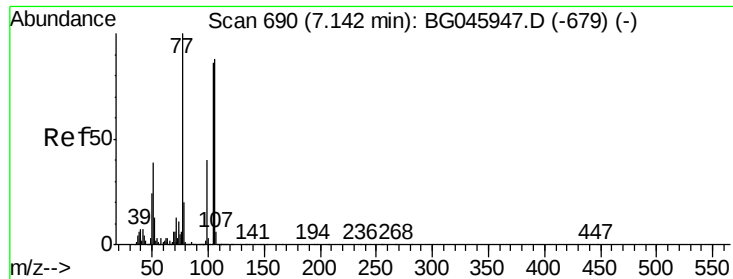
Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion	Ion	Ratio	Lower	Upper
128	100			
130	32.6	13.6	53.6	
64	52.9	30.6	70.6	





#9

Benzaldehyde

Concen: 5.212 ng

RT: 7.14 min Scan# 690

Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

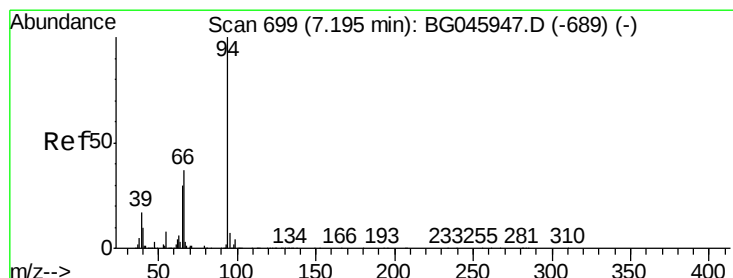
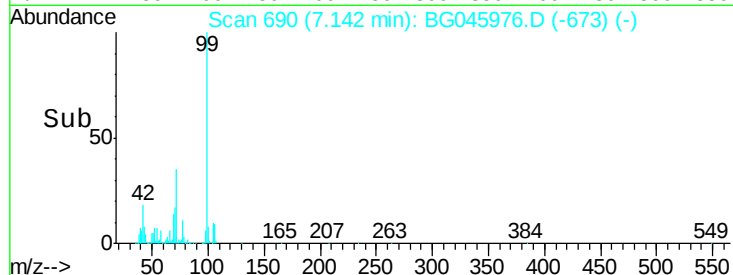
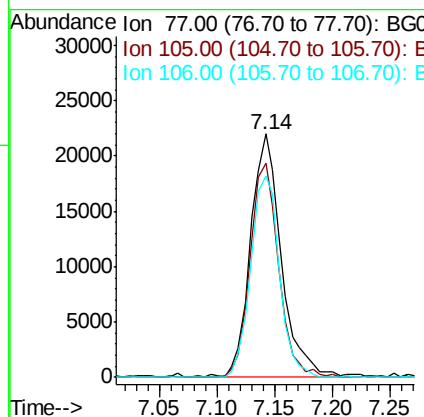
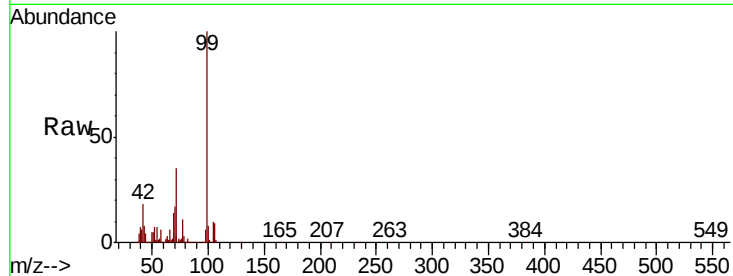
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
105	87.7	66.0	106.0	
106	82.7	67.7	107.7	

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



#10

Phenol

Concen: 3.679 ng

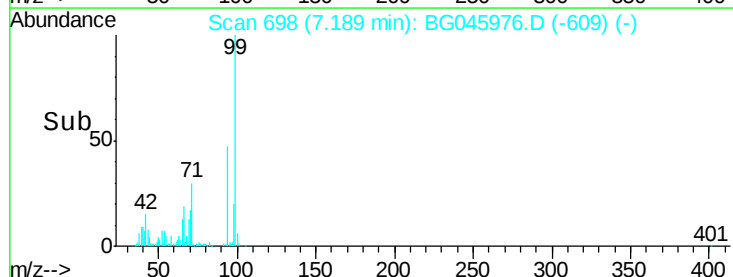
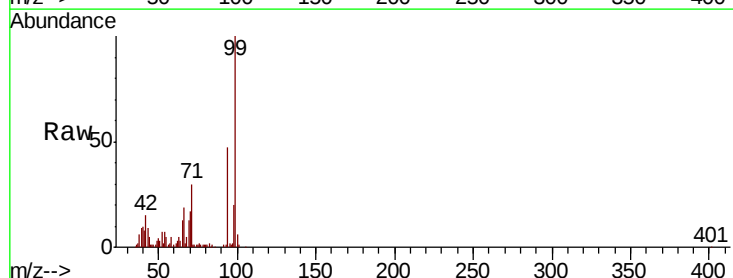
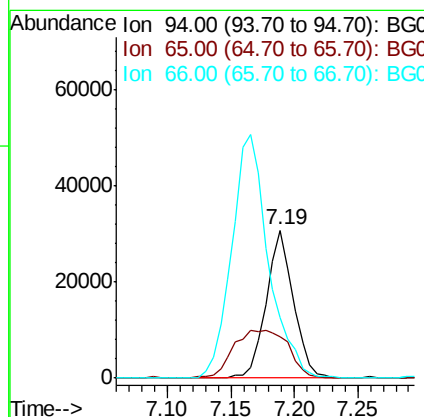
RT: 7.19 min Scan# 698

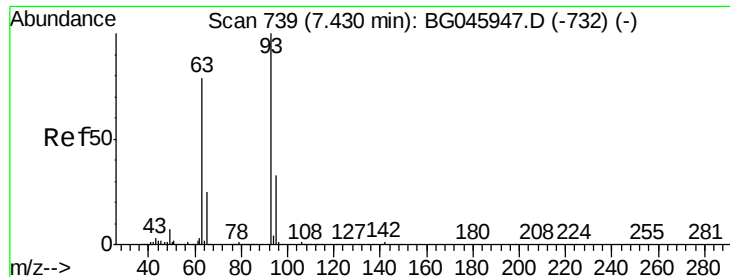
Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion	Ion	Ratio	Lower	Upper
94	100			
65	27.7	10.6	50.6	
66	41.4	17.1	57.1	





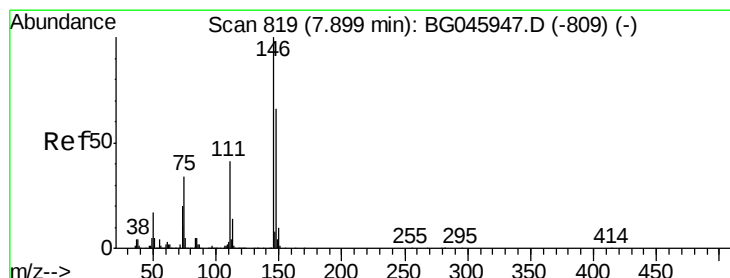
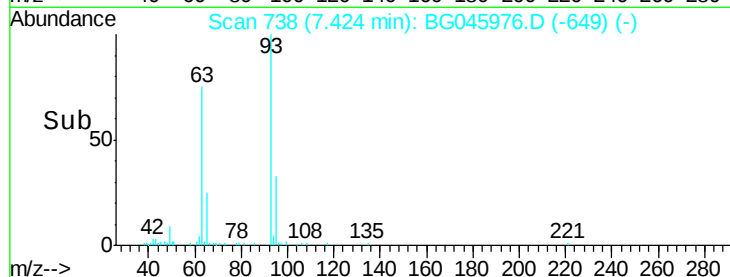
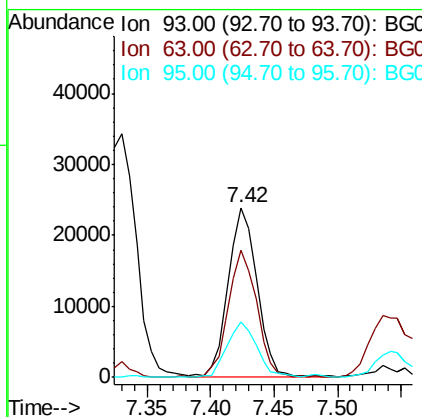
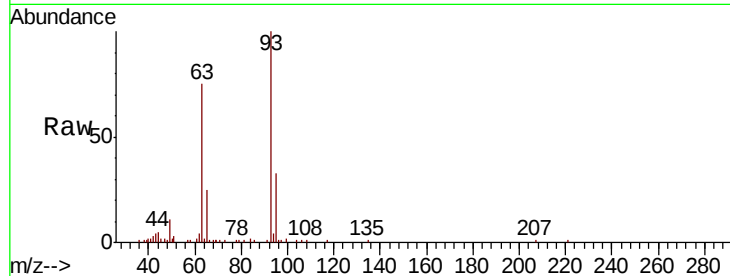
#11
bis(2-Chloroethyl)ether
Concen: 3.700 ng
RT: 7.42 min Scan# 738
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		38113		
63	74.7	58.6		98.6	
95	32.6	13.3		53.3	

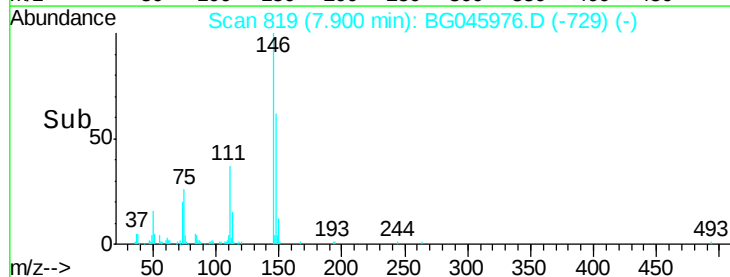
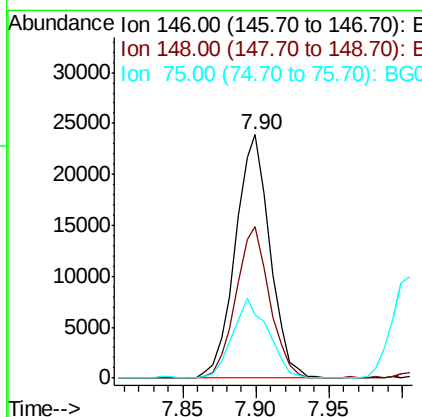
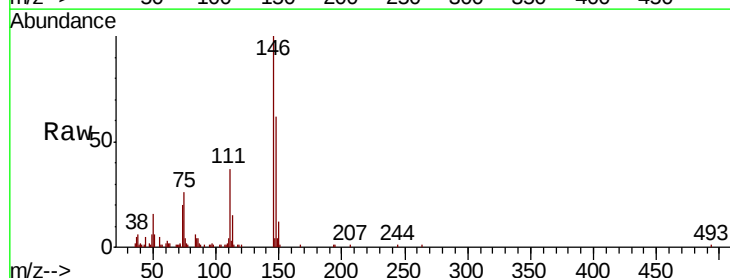
Manual Integrations
APPROVED

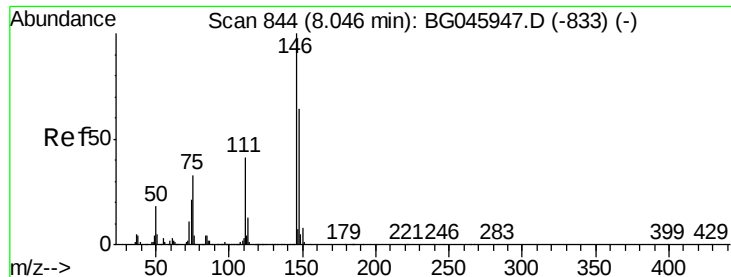
mohammad
7/10/2020 11:45:34 AM



#12
1,3-Dichlorobenzene
Concen: 3.666 ng m
RT: 7.90 min Scan# 819
Delta R.T. 0.00 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		39236		
148	62.2	52.8		79.2	
75	26.1	27.2		40.8#	





#13

1,4-Dichlorobenzene

Concen: 3.741 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

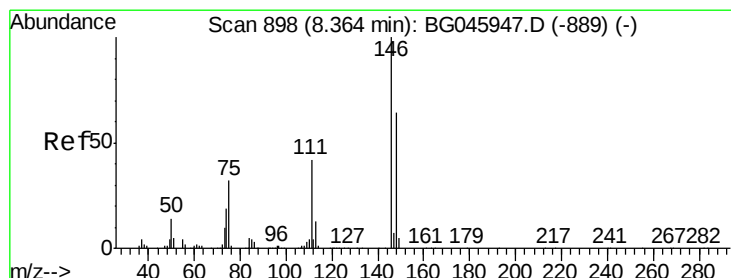
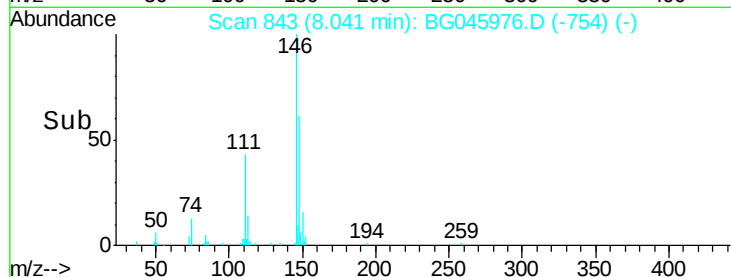
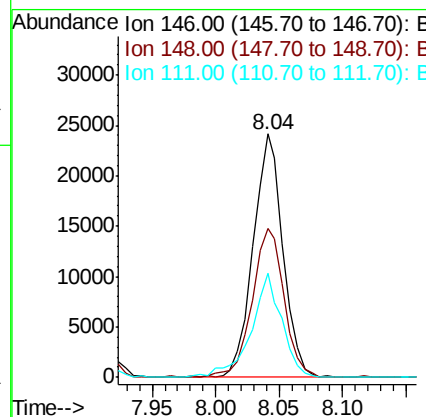
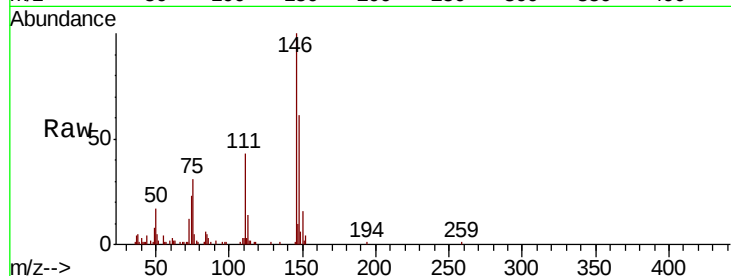
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	146	Resp:	39389
Ion Ratio	Lower	Upper	
146	100		
148	61.1	51.7	77.5
111	42.6	33.3	49.9

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



#14

1,2-Dichlorobenzene

Concen: 3.460 ng

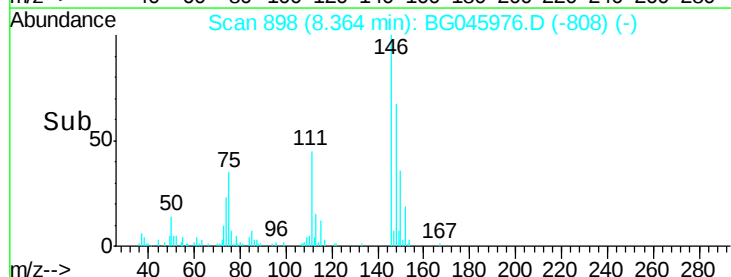
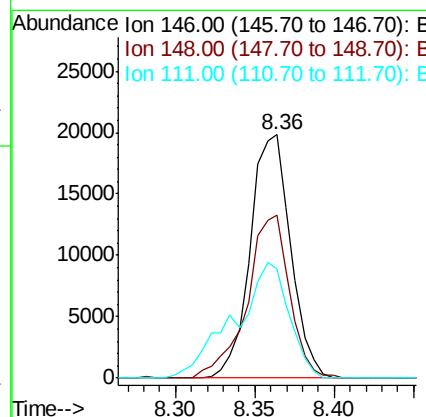
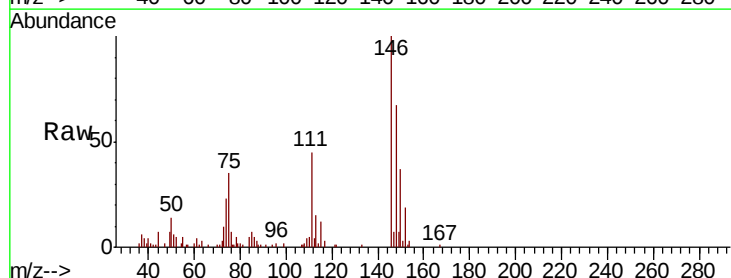
RT: 8.36 min Scan# 898

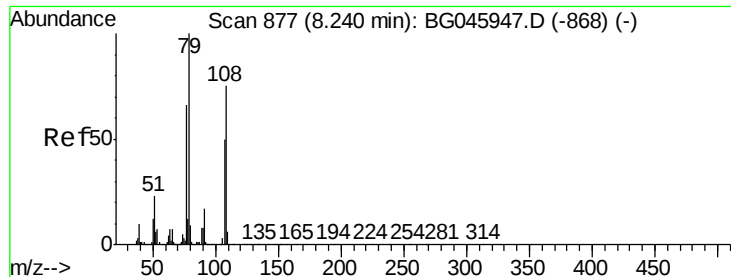
Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion:	146	Resp:	35063
Ion Ratio	Lower	Upper	
146	100		
148	67.1	51.6	77.4
111	45.0	34.0	51.0





#15

Benzyl Alcohol

Concen: 3.359 ng

RT: 8.23 min Scan# 876

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

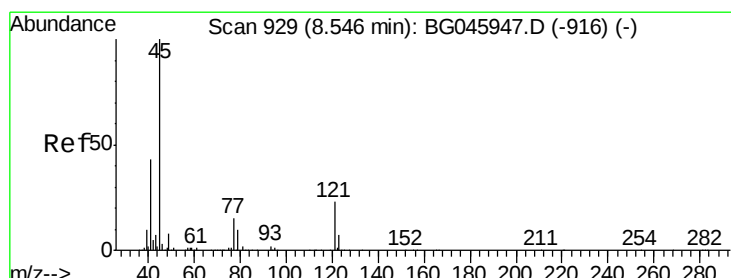
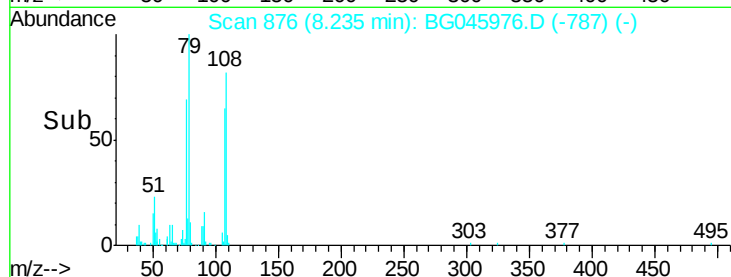
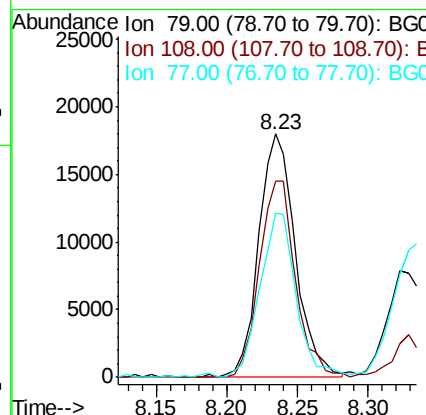
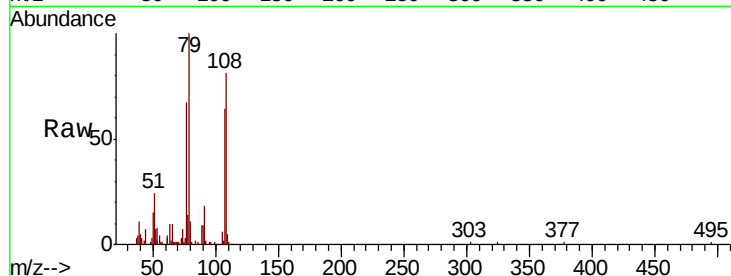
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	79	Resp:	32703
Ion Ratio	Lower	Upper	
79	100		
108	80.7	60.2	90.4
77	67.4	52.9	79.3

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.531 ng

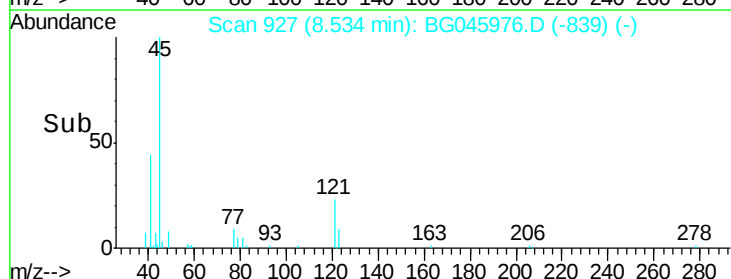
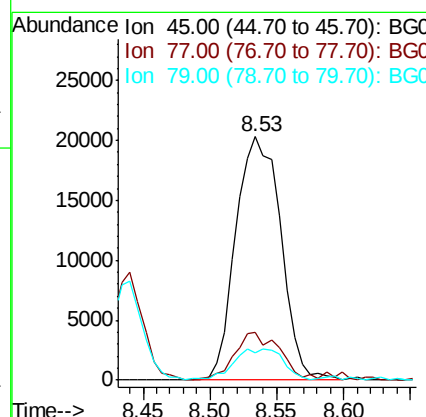
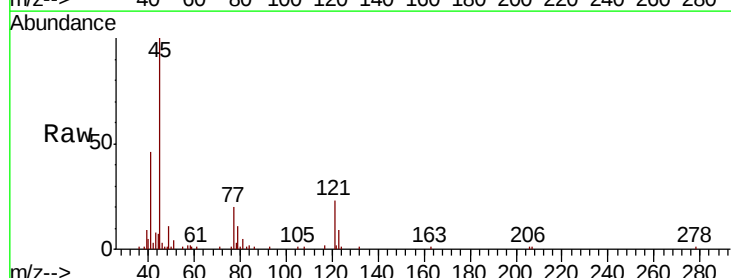
RT: 8.53 min Scan# 927

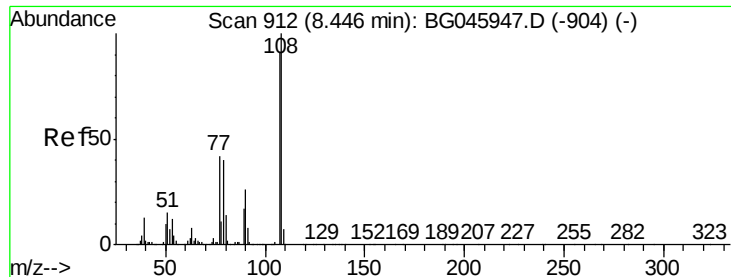
Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion:	45	Resp:	47451
Ion Ratio	Lower	Upper	
45	100		
77	19.8	0.0	37.6
79	11.0	0.0	32.6





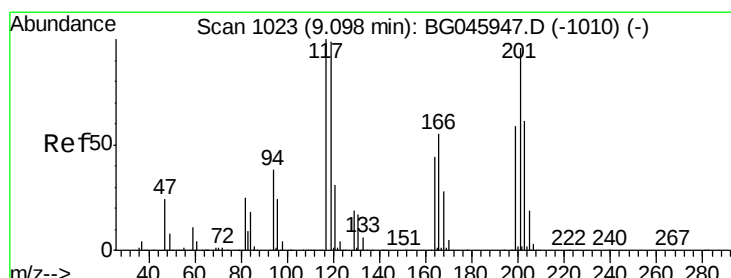
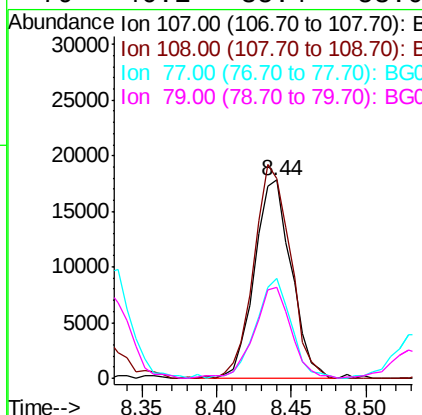
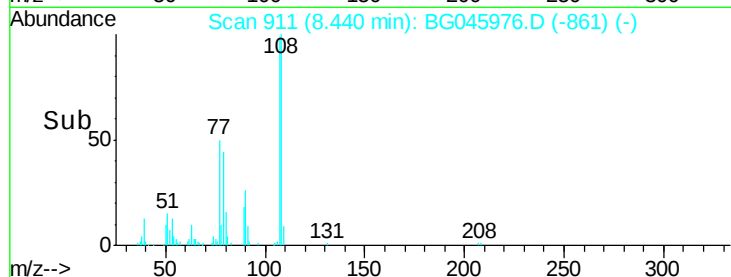
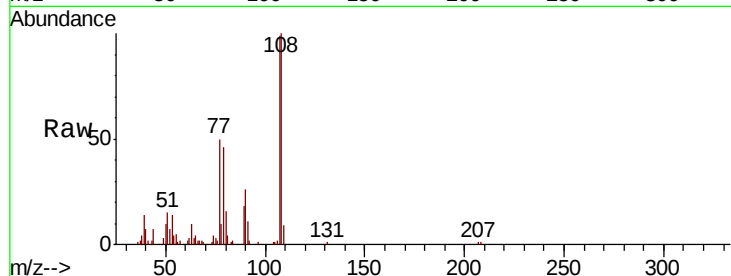
#17
2-Methylphenol
Concen: 3.249 ng
RT: 8.44 min Scan# 911
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	100.8	88.2	132.4	
77	50.3	37.0	55.4	
79	46.1	35.4	53.0	

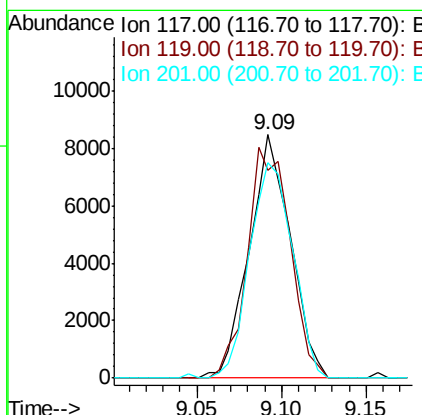
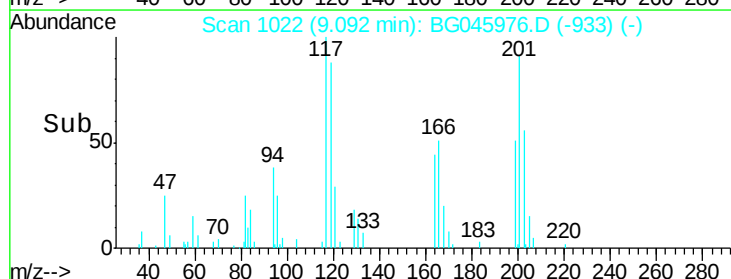
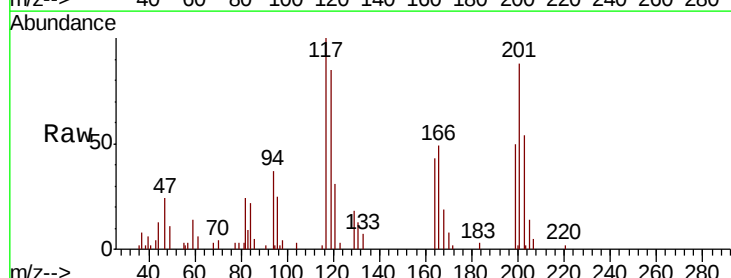
Manual Integrations
APPROVED

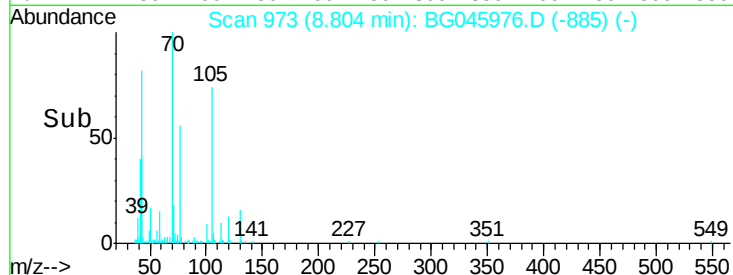
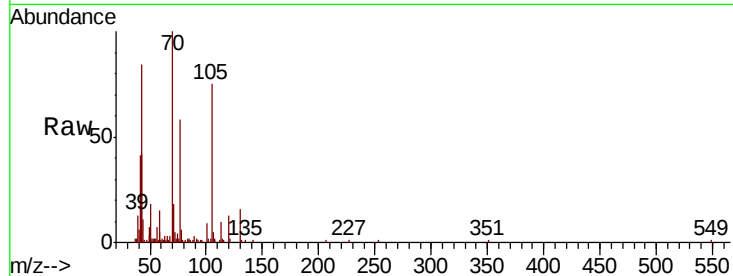
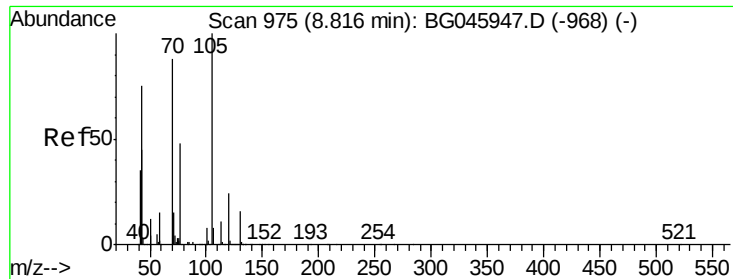
mohammad
7/10/2020 11:45:34 AM



#18
Hexachloroethane
Concen: 3.538 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	85.2	79.5	119.3	
201	88.3	77.0	115.4	





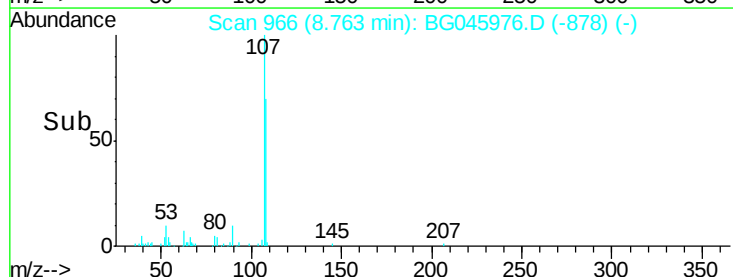
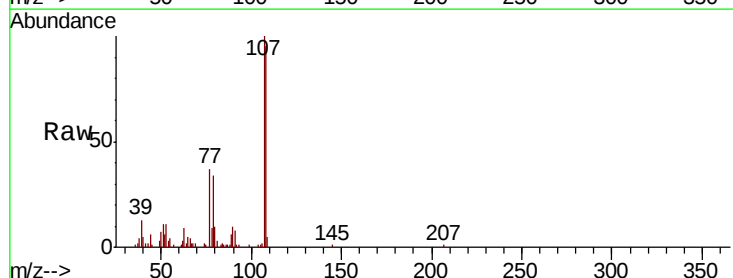
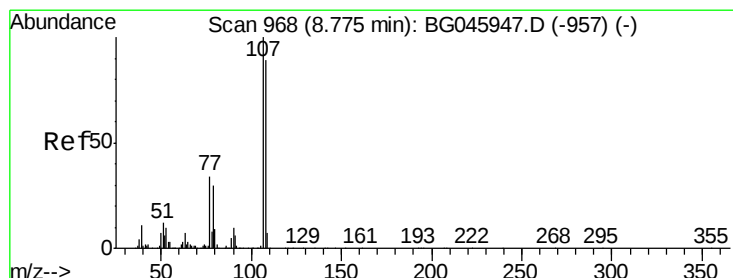
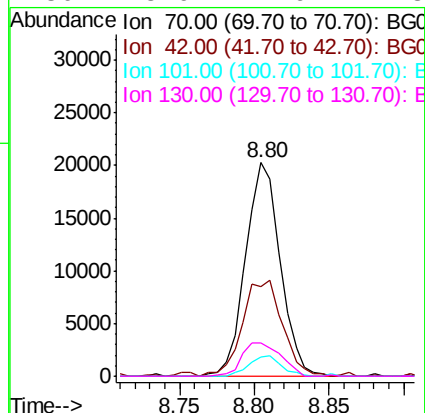
#19
n-Nitroso-di-n-propylamine
Concen: 3.717 ng
RT: 8.80 min Scan# 973
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	42.0	41.4	62.0		
101	9.1	7.1	10.7		
130	15.9	14.9	22.3		

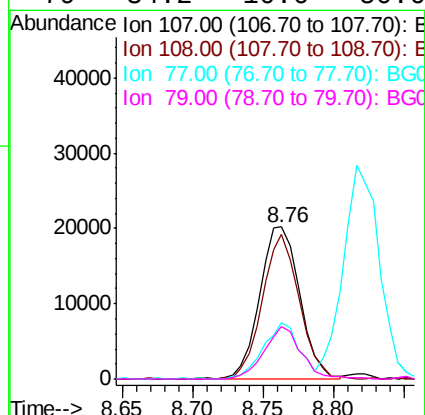
Manual Integrations
APPROVED

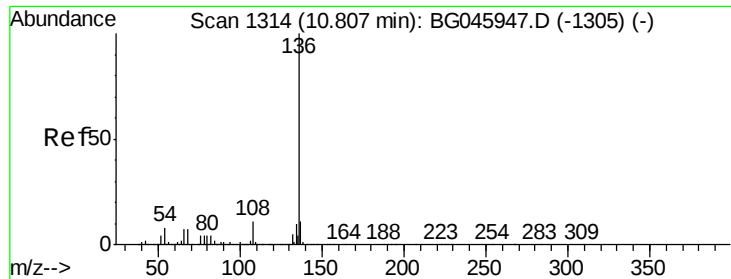
mohammad
7/10/2020 11:45:34 AM



#20
3+4-Methylphenols
Concen: 3.145 ng
RT: 8.76 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	95.2	68.7	108.7		
77	37.2	14.6	54.6		
79	34.2	10.6	50.6		





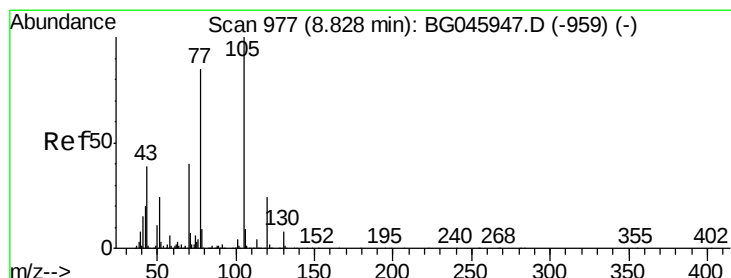
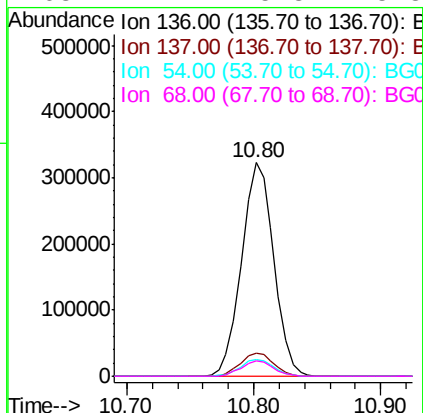
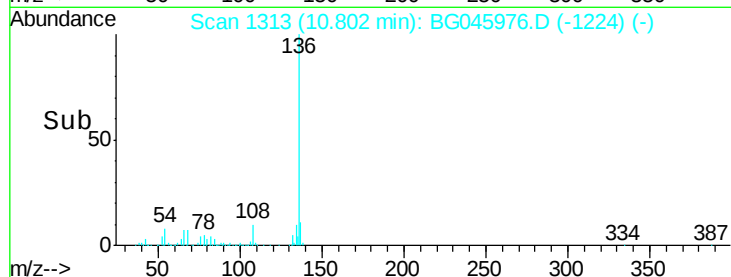
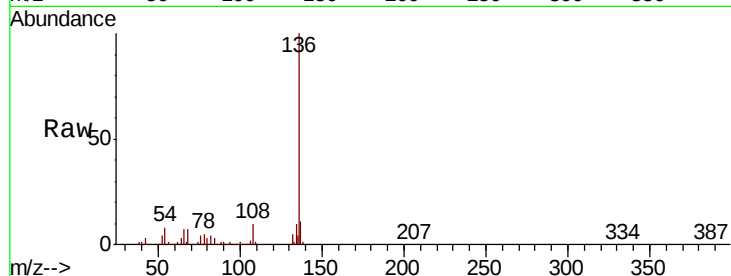
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100	567303		
137	11.0	9.2	13.8	
54	8.0	6.2	9.4	
68	7.4	5.8	8.8	

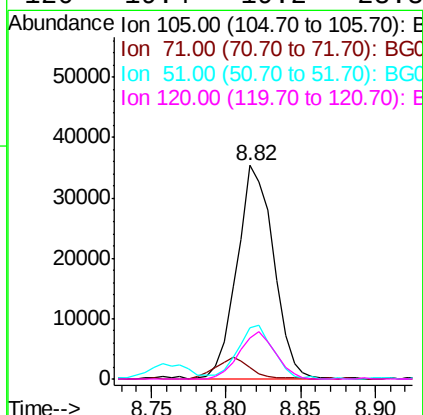
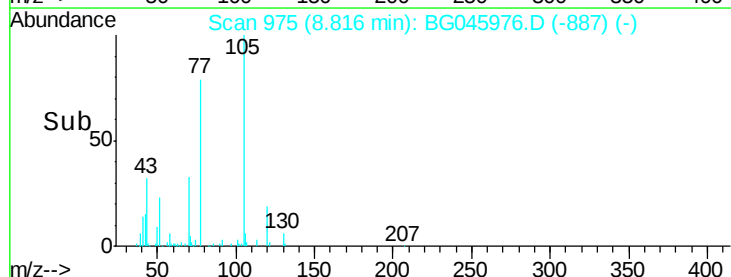
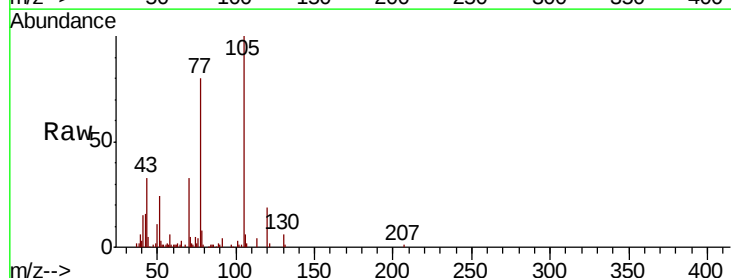
Manual Integrations
APPROVED

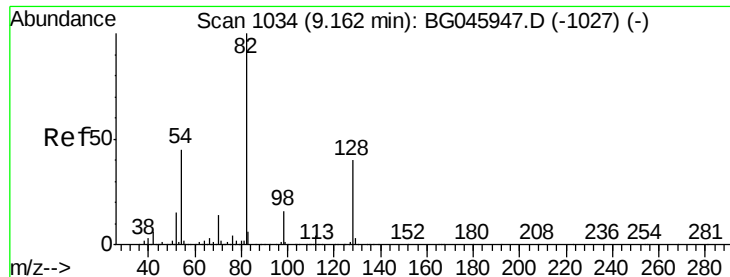
mohammad
7/10/2020 11:45:34 AM



#22
Acetophenone
Concen: 3.984 ng
RT: 8.82 min Scan# 975
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	60386		
71	5.5	6.2	9.2#	
51	23.8	19.7	29.5	
120	19.4	19.2	28.8	





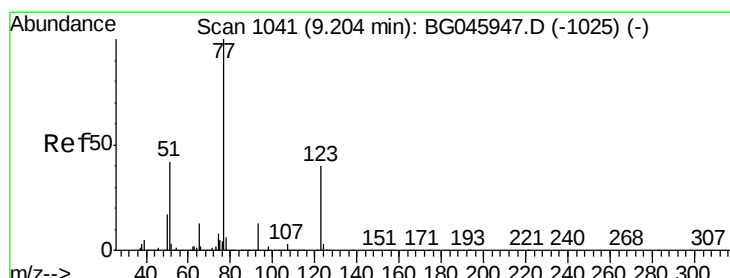
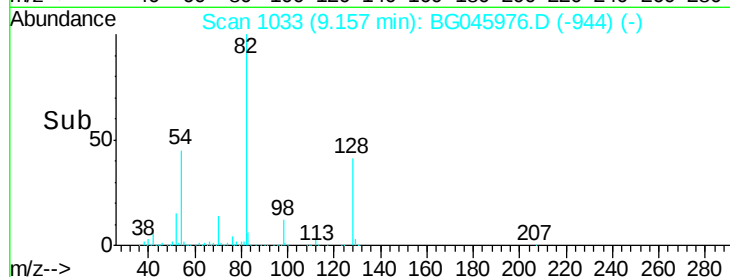
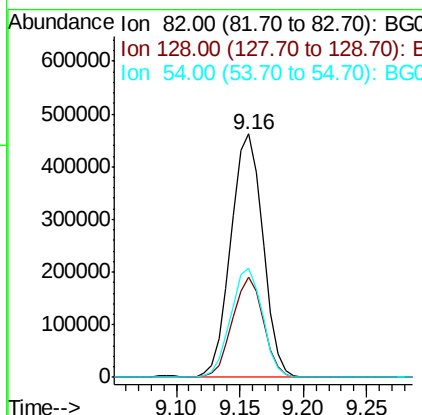
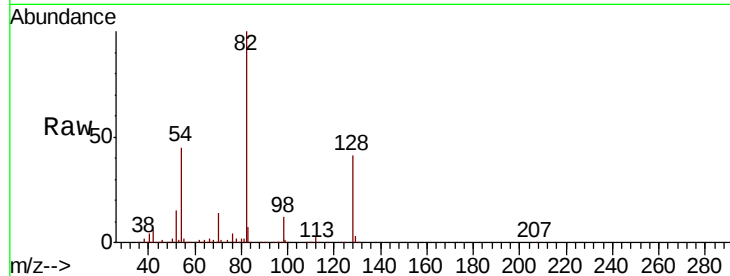
#23
Nitrobenzene-d5
Concen: 82.100 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.9	32.2	48.4
54	45.1	35.8	53.6

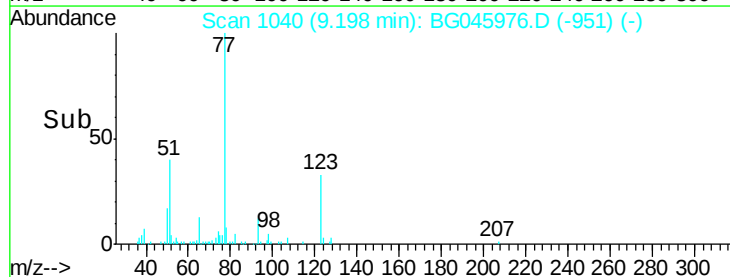
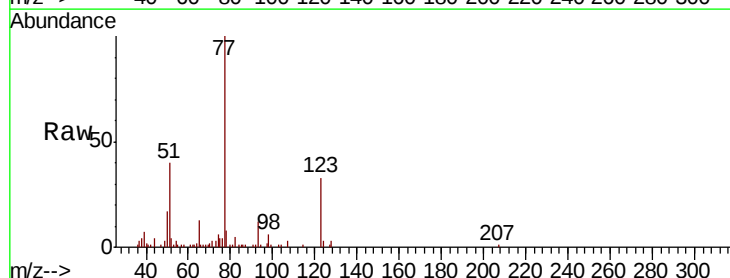
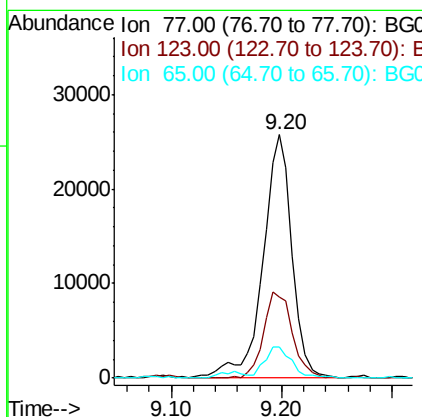
Manual Integrations
APPROVED

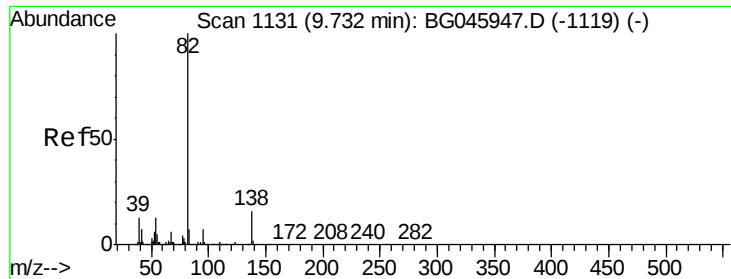
mohammad
7/10/2020 11:45:34 AM



#24
Nitrobenzene
Concen: 4.339 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
77	100		
123	33.1	32.7	49.1
65	12.6	10.2	15.4





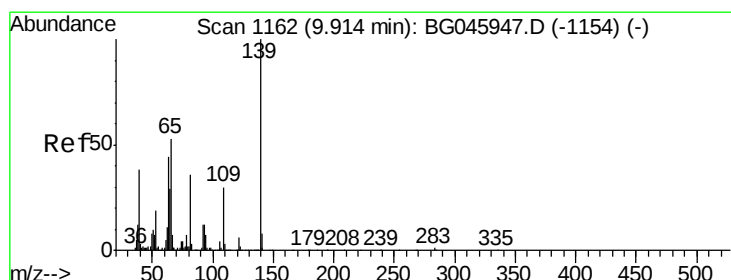
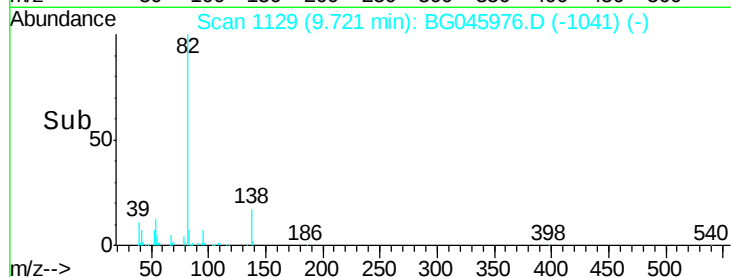
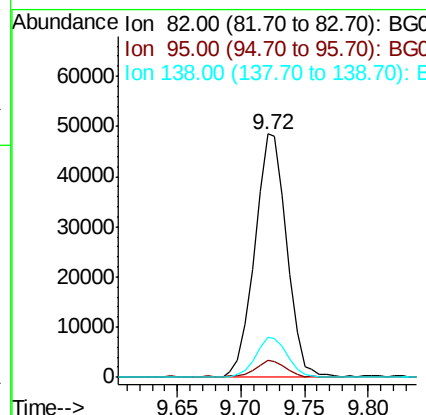
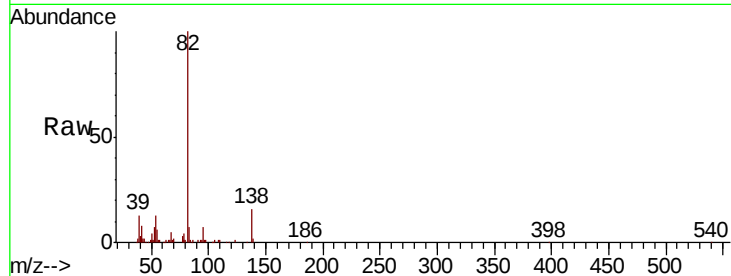
#25
Isophorone
Concen: 3.543 ng
RT: 9.72 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.6
138	16.3	12.9	19.3

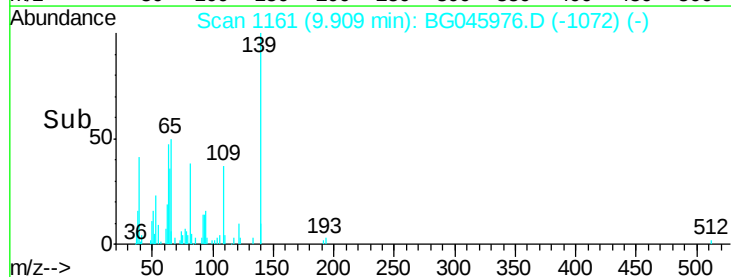
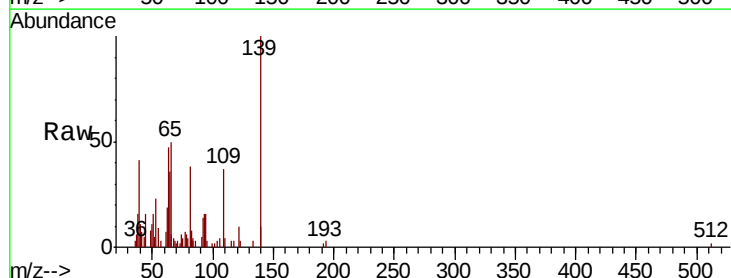
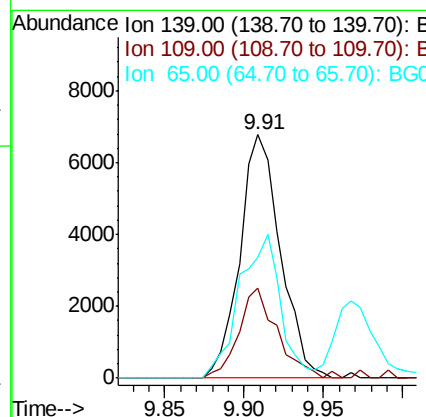
Manual Integrations
APPROVED

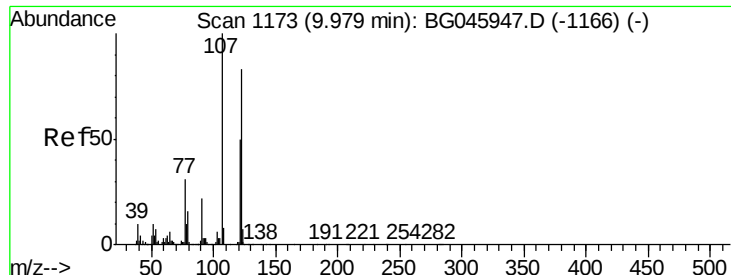
mohammad
7/10/2020 11:45:34 AM



#26
2-Nitrophenol
Concen: 3.397 ng
RT: 9.91 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
139	100		
109	37.1	24.6	37.0#
65	49.7	42.6	64.0





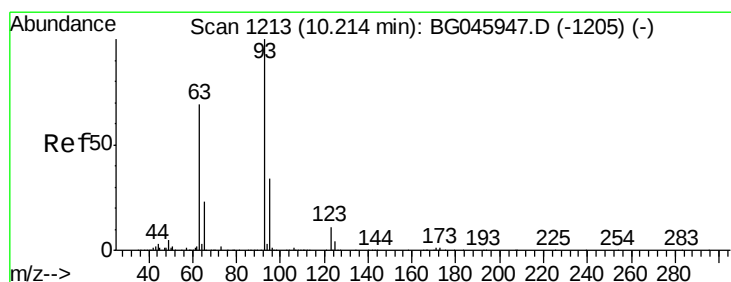
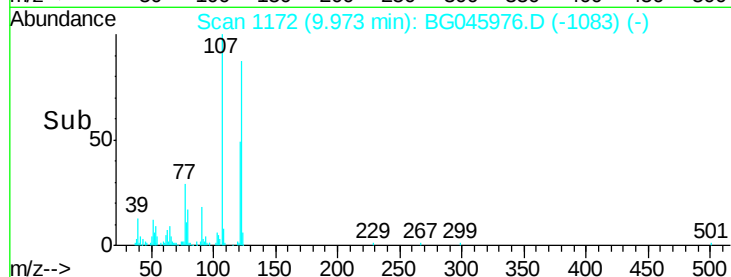
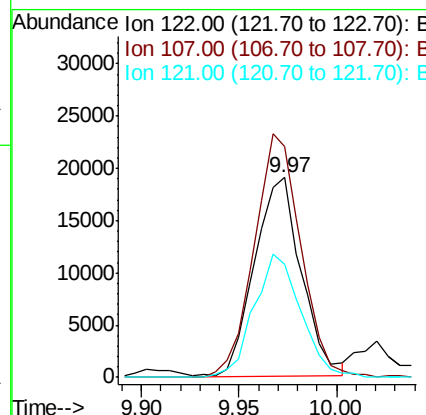
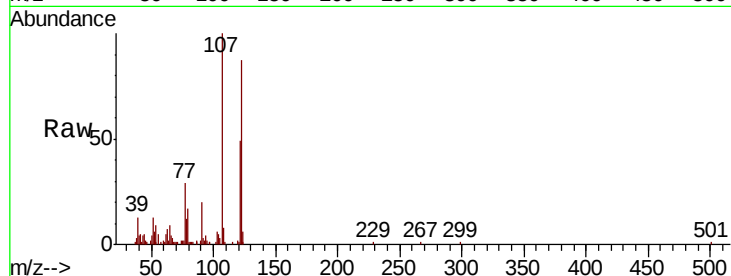
#27
2,4-Dimethylphenol
Concen: 3.698 ng
RT: 9.97 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	115.5	95.6	143.4
121	56.5	47.7	71.5

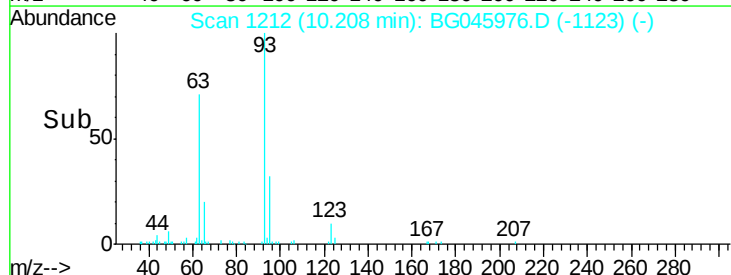
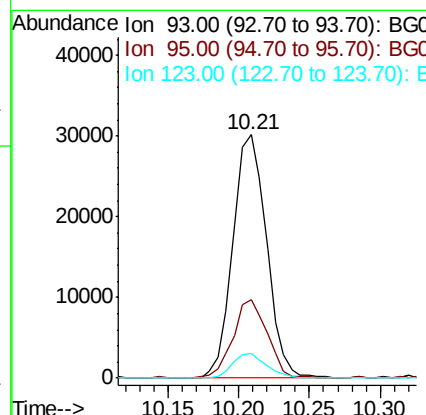
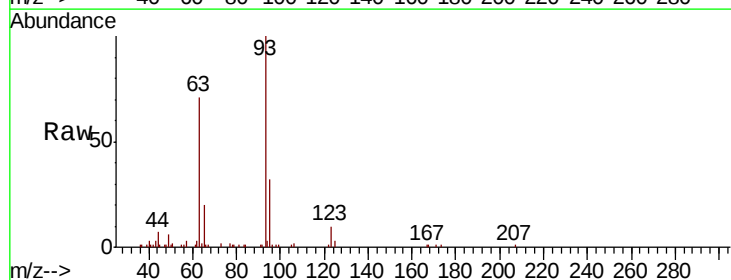
Manual Integrations
APPROVED

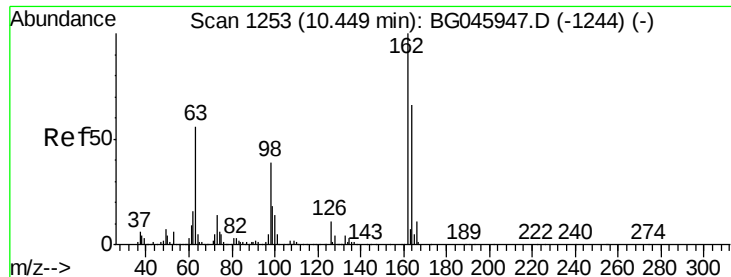
mohammad
7/10/2020 11:45:34 AM



#28
bis(2-Chloroethoxy)methane
Concen: 3.711 ng
RT: 10.21 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.3	27.5	41.3
123	10.3	9.2	13.8





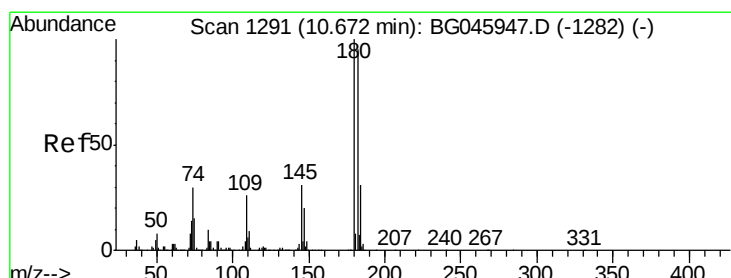
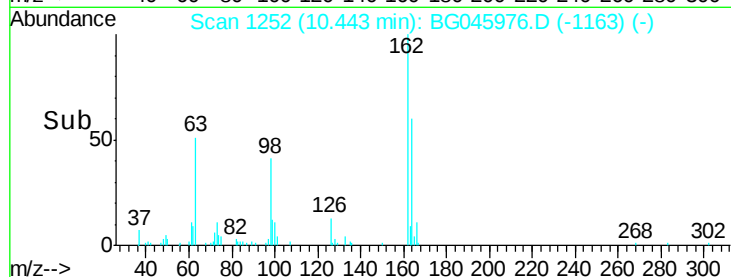
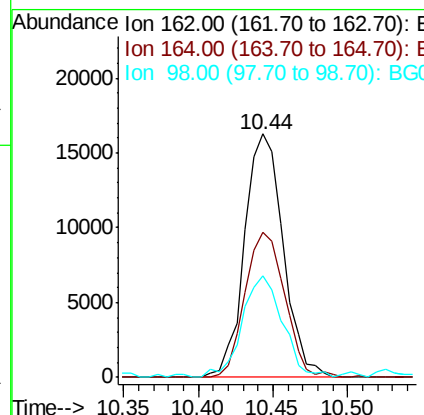
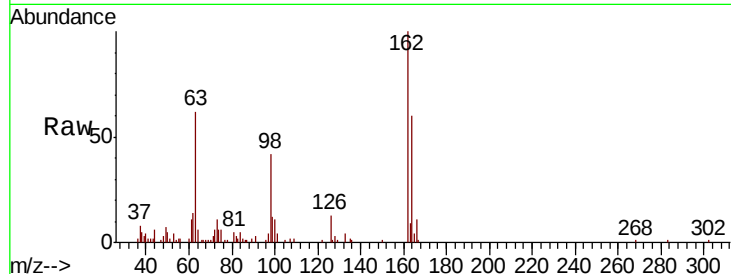
#29
2,4-Dichlorophenol
Concen: 3.281 ng
RT: 10.44 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	59.5	46.0	86.0
98	41.7	19.2	59.2

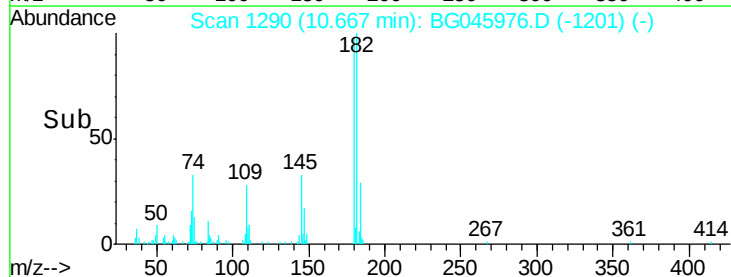
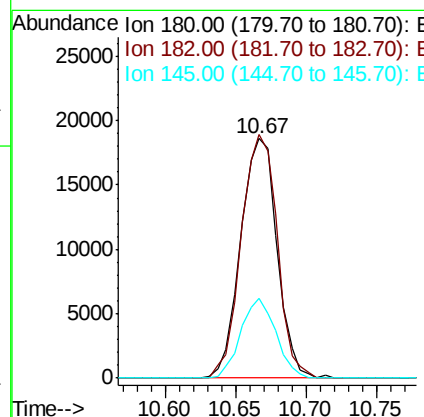
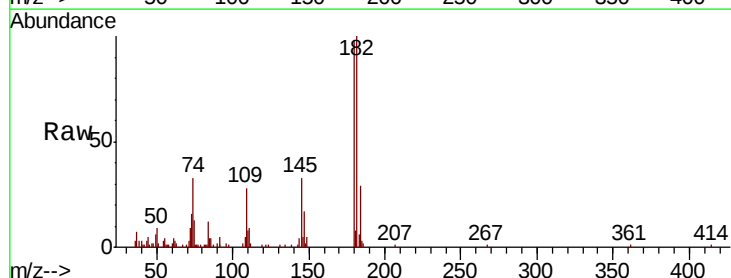
Manual Integrations
APPROVED

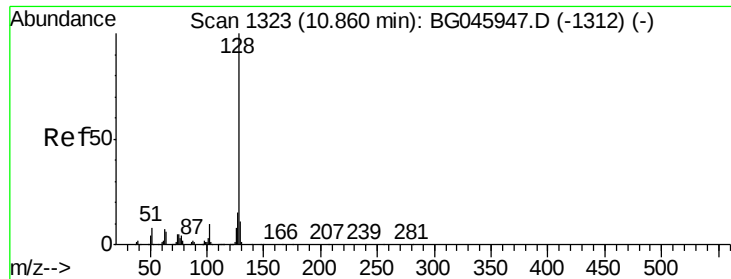
mohammad
7/10/2020 11:45:34 AM



#30
1,2,4-Trichlorobenzene
Concen: 3.416 ng
RT: 10.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.8	76.3	114.5
145	33.4	24.8	37.2





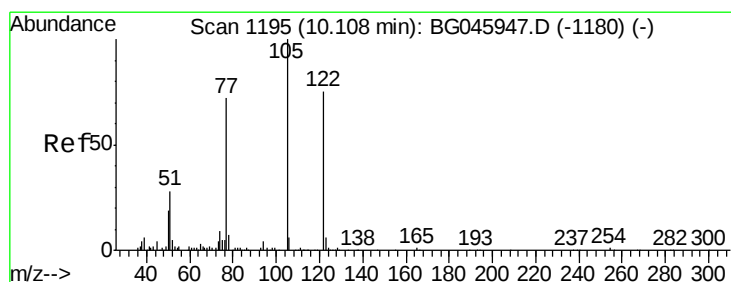
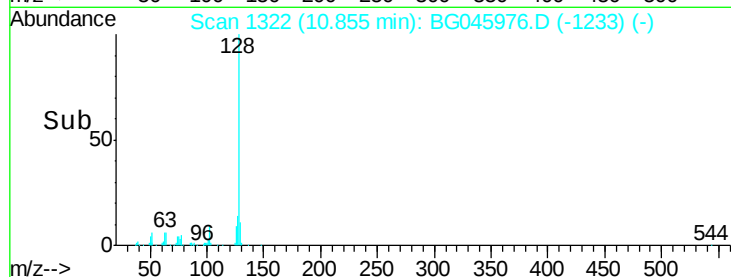
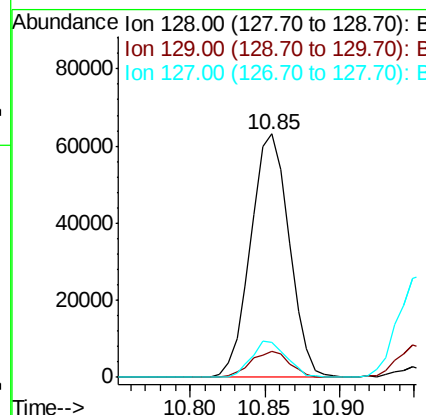
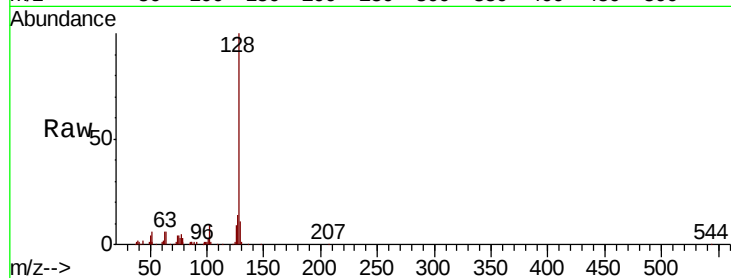
#31
Naphthalene
Concen: 3.703 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.2	13.8
127	14.3	11.8	17.6

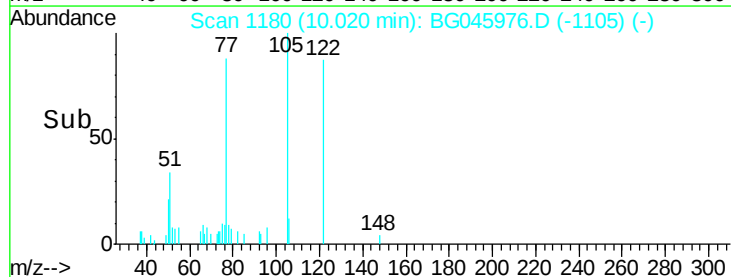
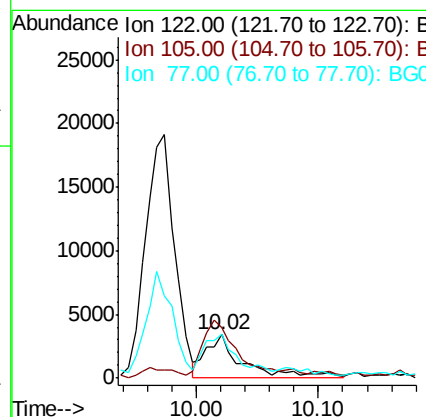
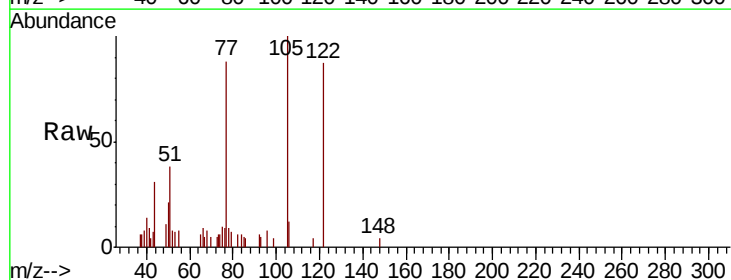
Manual Integrations
APPROVED

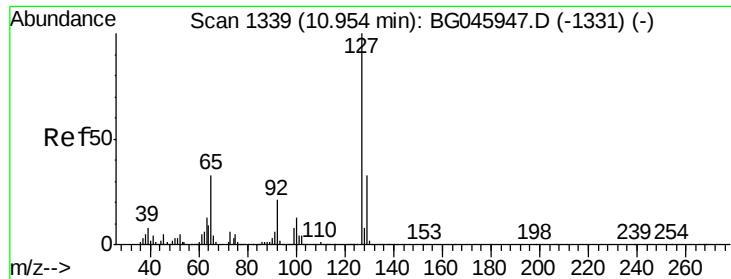
mohammad
7/10/2020 11:45:34 AM



#32
Benzoic acid
Concen: 1.551 ng m
RT: 10.02 min Scan# 1180
Delta R.T. -0.09 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
122	100		
105	114.9	110.8	150.8
77	101.1	76.4	116.4





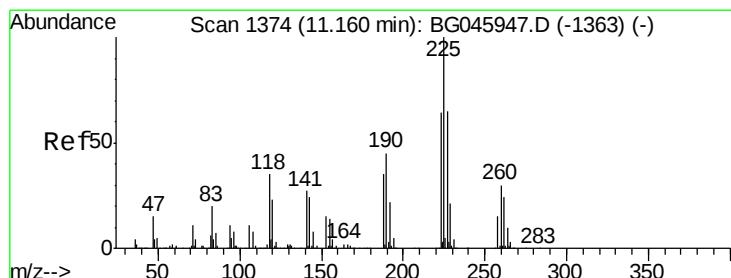
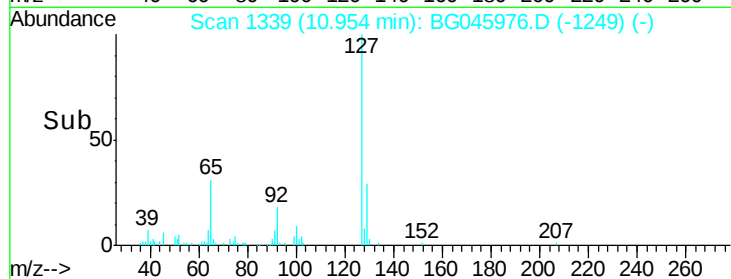
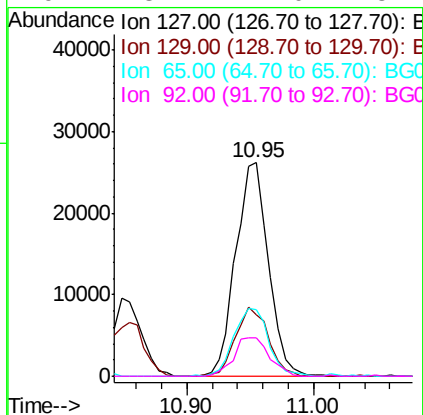
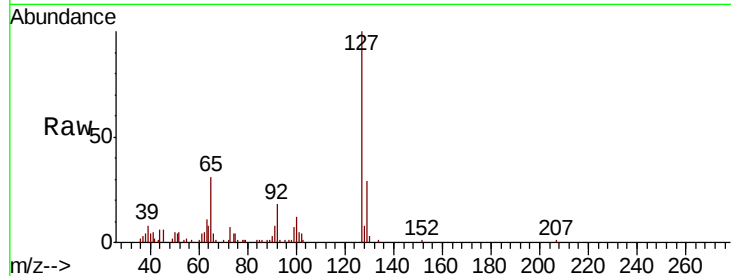
#33
4-Chloroaniline
Concen: 3.441 ng
RT: 10.95 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
127	100		
129	28.9	26.6	39.8
65	31.0	26.8	40.2
92	18.1	17.0	25.4

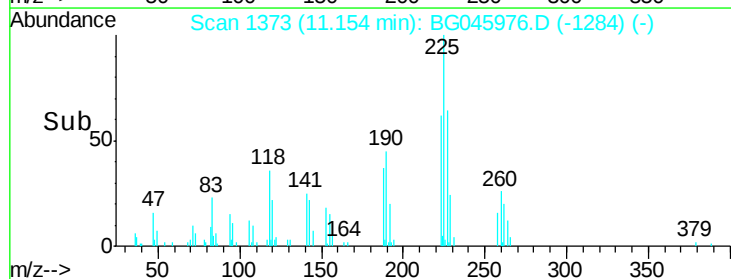
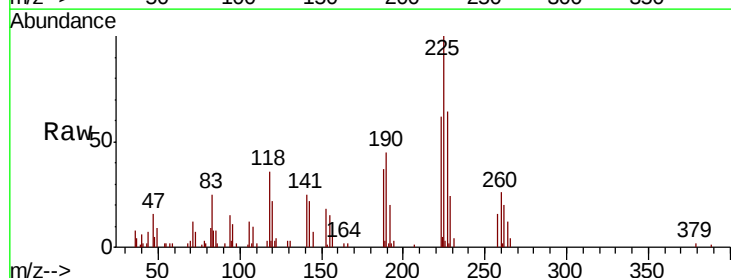
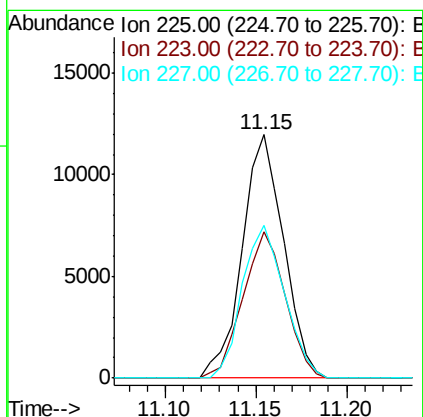
Manual Integrations
APPROVED

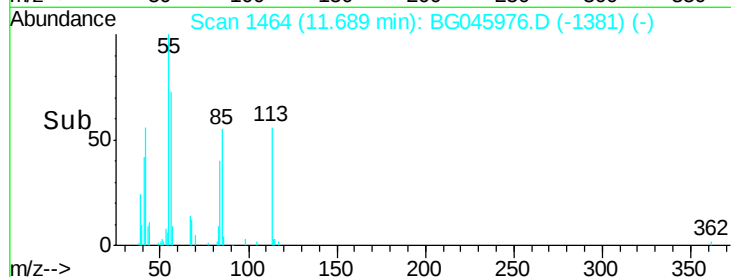
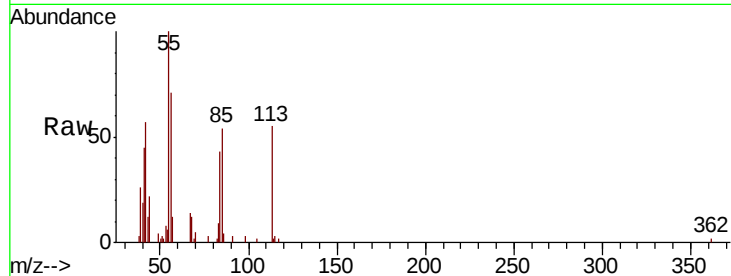
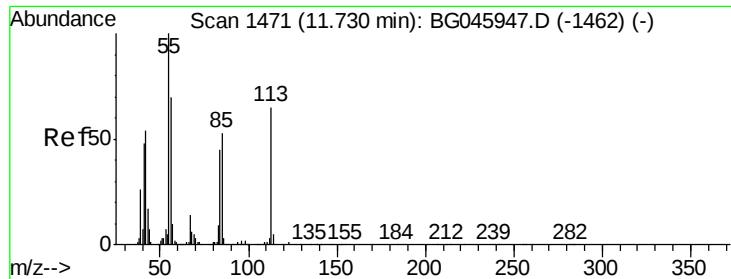
mohammad
7/10/2020 11:45:34 AM



#34
Hexachlorobutadiene
Concen: 3.326 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	51.2	76.8
227	62.5	52.3	78.5





#35

Caprolactam

Concen: 3.178 ng

RT: 11.69 min Scan# 1464

Delta R.T. -0.04 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

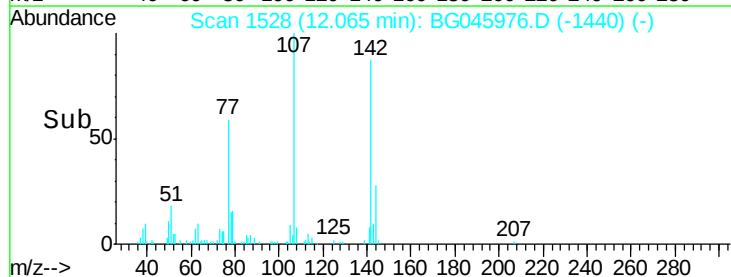
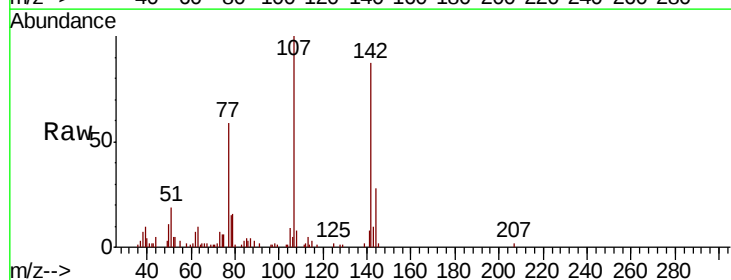
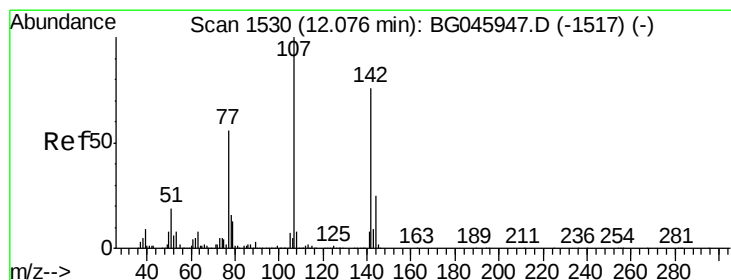
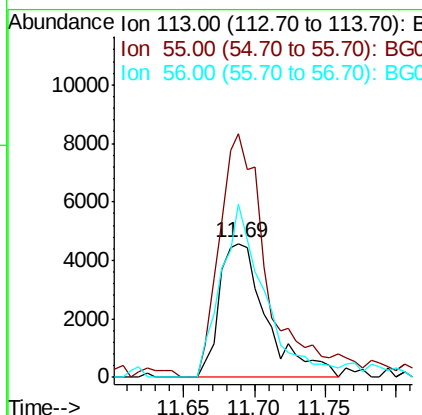
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	113	Resp:	10698
Ion Ratio	Lower	Upper	
113	100		
55	181.7	141.6	181.6#
56	129.6	89.6	129.6#

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



#36

4-Chloro-3-methylphenol

Concen: 3.309 ng

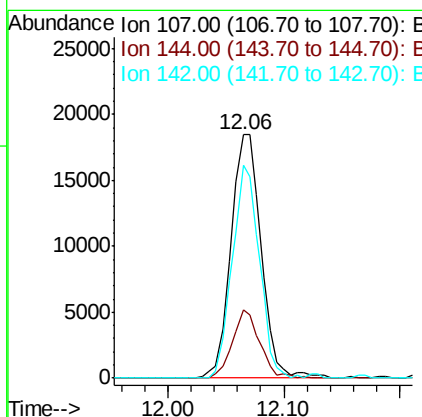
RT: 12.06 min Scan# 1528

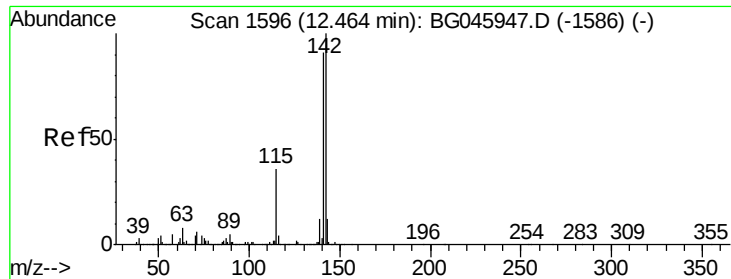
Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion:	107	Resp:	33413
Ion Ratio	Lower	Upper	
107	100		
144	28.3	20.0	30.0
142	87.2	61.1	91.7





#37

2-Methylnaphthalene

Concen: 3.763 ng

RT: 12.46 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

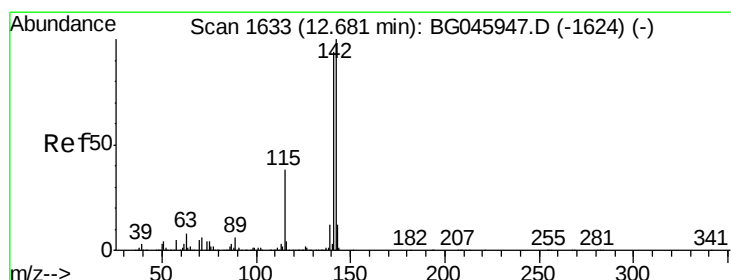
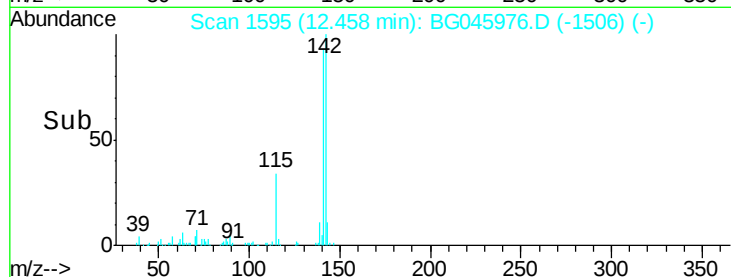
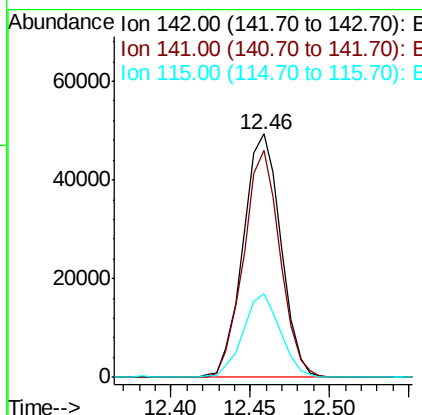
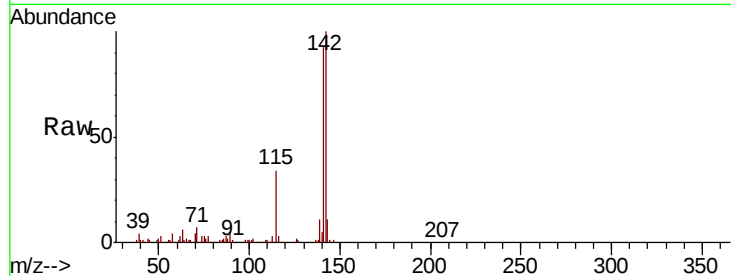
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	142	Resp:	81360
Ion Ratio	Lower	Upper	
142	100		
141	93.0	73.0	109.6
115	34.1	28.8	43.2

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



#38

1-Methylnaphthalene

Concen: 3.730 ng m

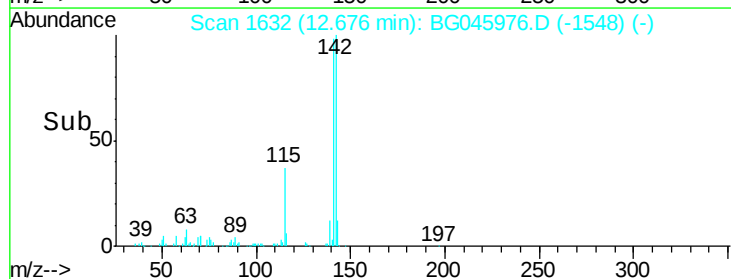
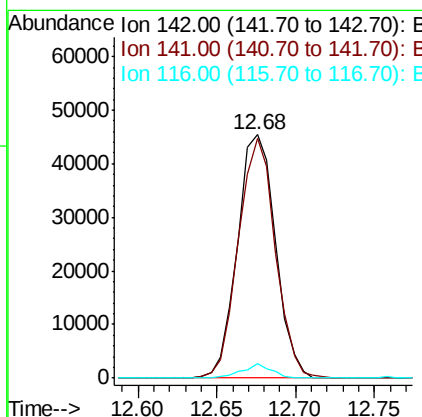
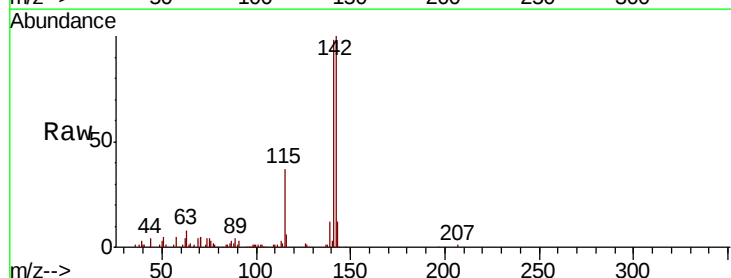
RT: 12.68 min Scan# 1632

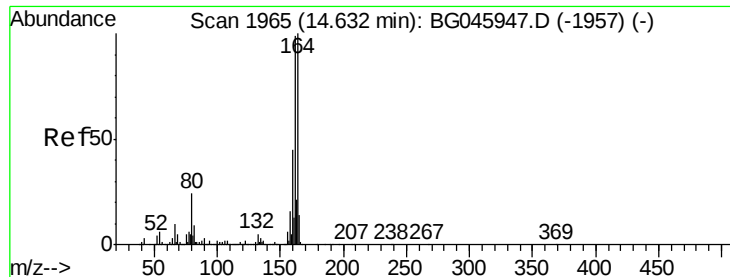
Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion:	142	Resp:	76111
Ion Ratio	Lower	Upper	
142	100		
141	98.5	75.2	112.8
116	5.7	3.1	4.7#





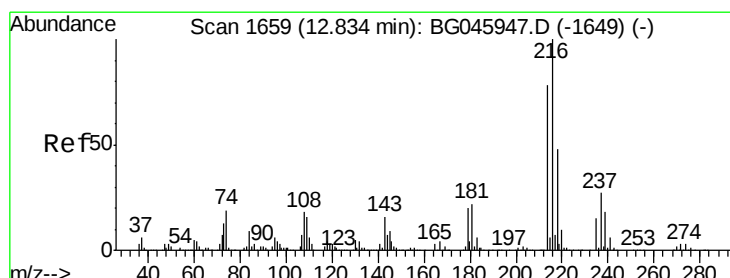
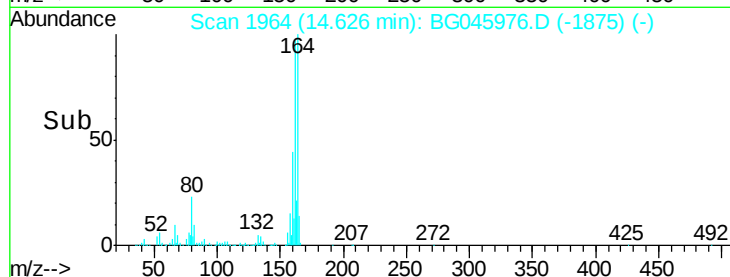
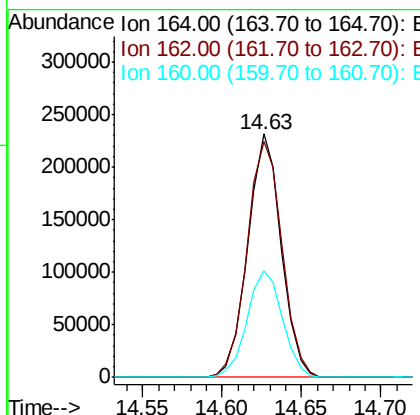
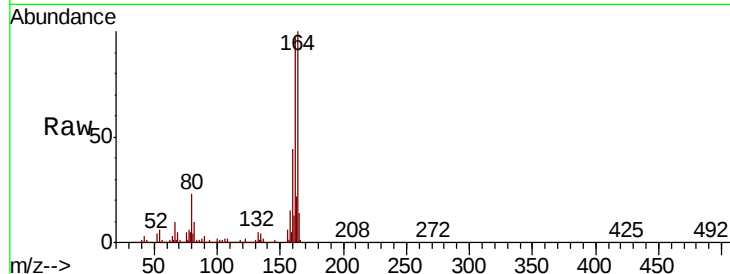
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.0	79.3	118.9
160	43.8	35.7	53.5

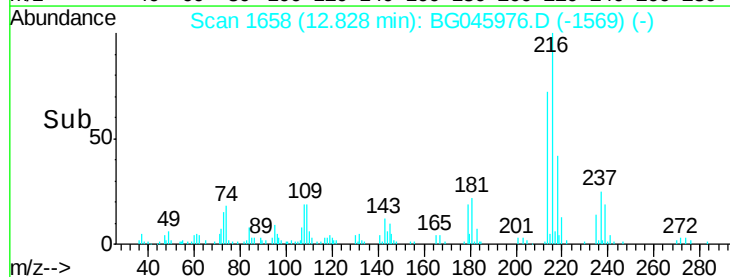
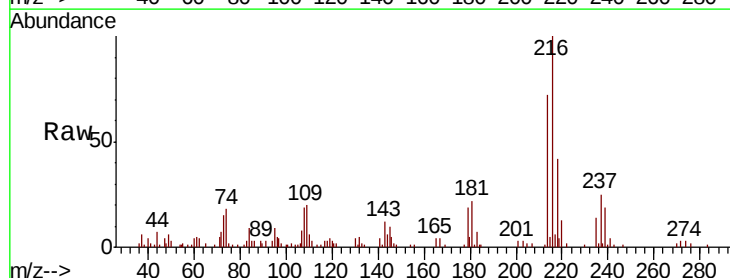
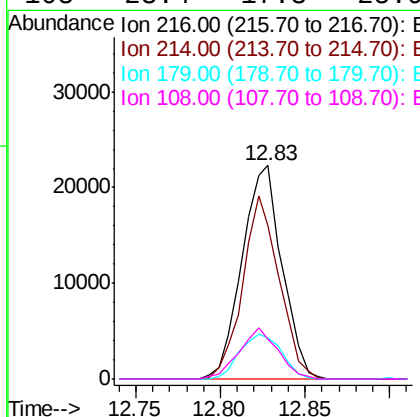
Manual Integrations
APPROVED

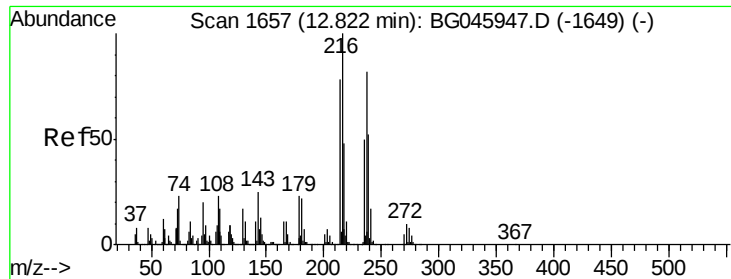
mohammad
7/10/2020 11:45:34 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.850 ng
RT: 12.83 min Scan# 1658
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.4
179	22.2	17.0	25.6
108	23.4	17.3	25.9





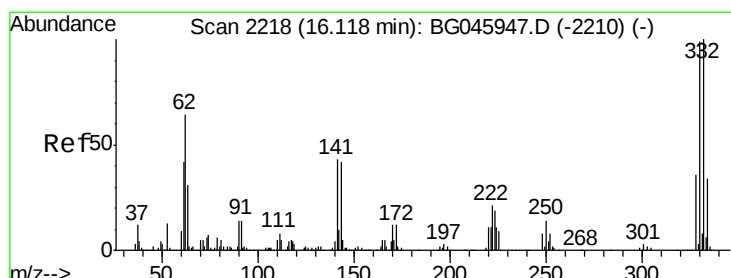
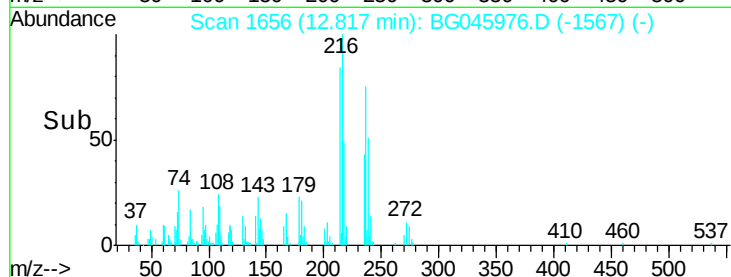
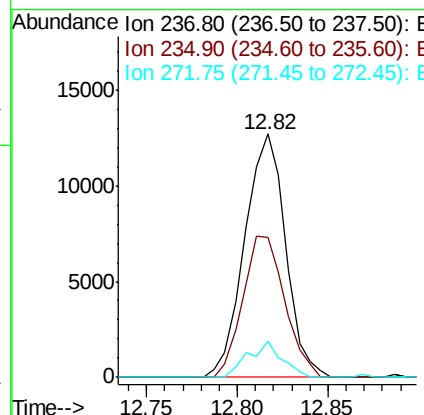
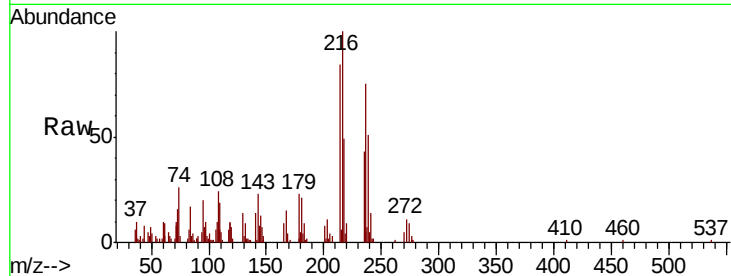
#41
Hexachlorocyclopentadiene
Concen: 3.519 ng
RT: 12.82 min Scan# 1656
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
237	100		
235	57.3	41.5	81.5
272	15.1	0.0	31.7

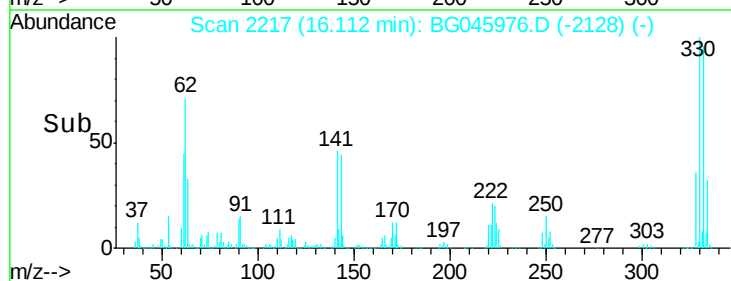
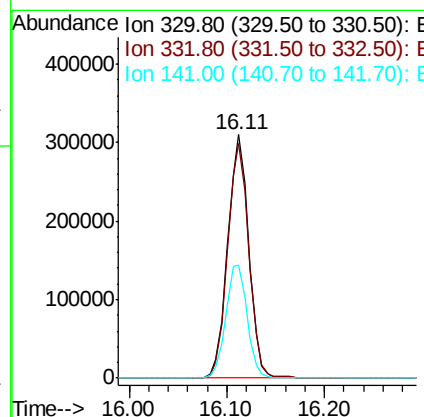
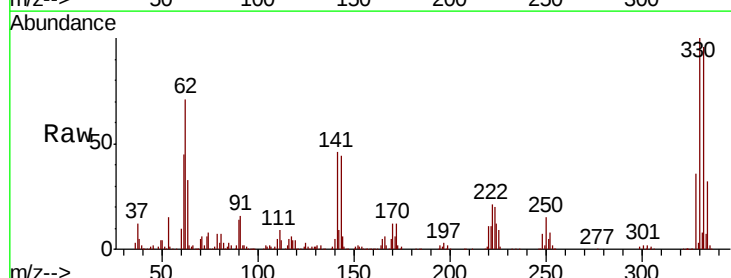
Manual Integrations
APPROVED

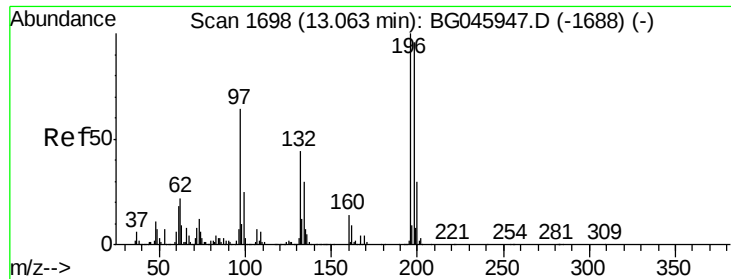
mohammad
7/10/2020 11:45:34 AM



#42
2,4,6-Tribromophenol
Concen: 147.738 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.3	117.5
141	47.4	36.6	54.8





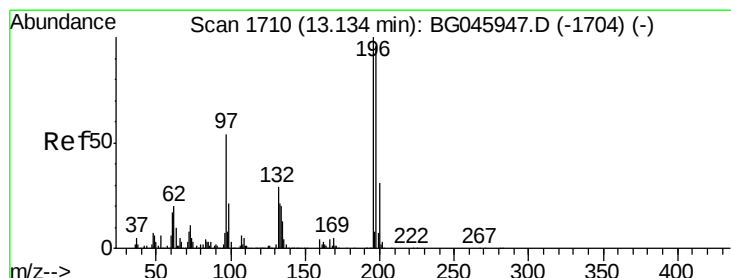
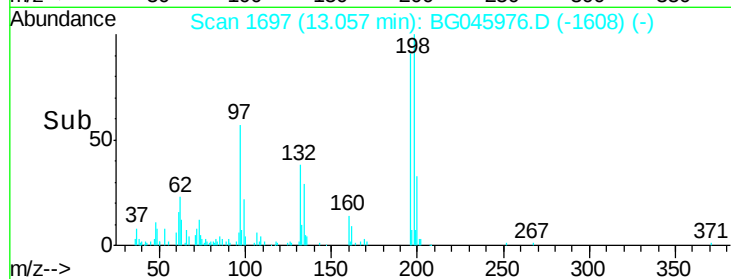
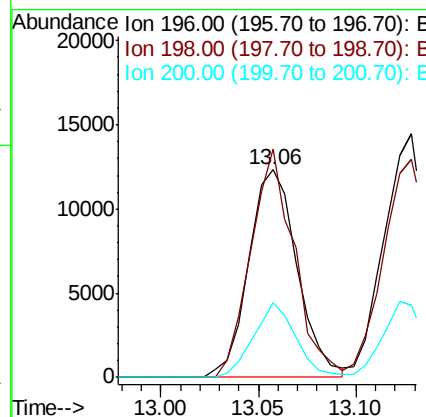
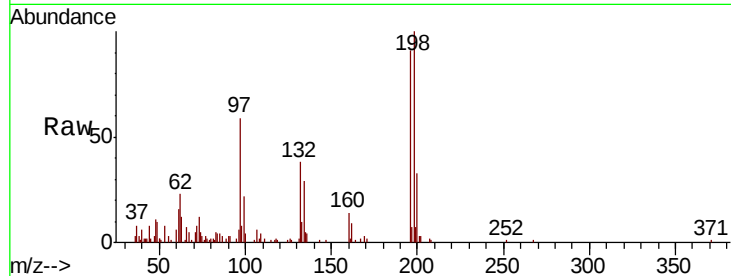
#43
 2,4,6-Trichlorophenol
 Concen: 3.295 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
196	100	21198		
198	109.7	76.7	115.1	
200	35.9	24.3	36.5	

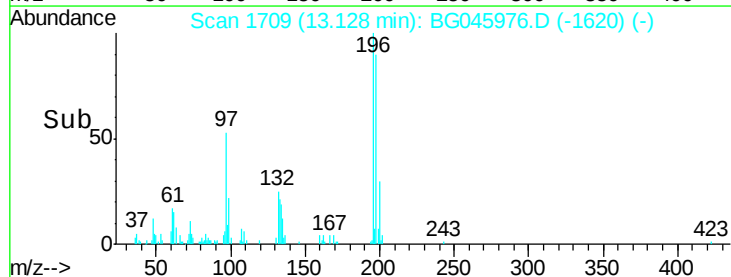
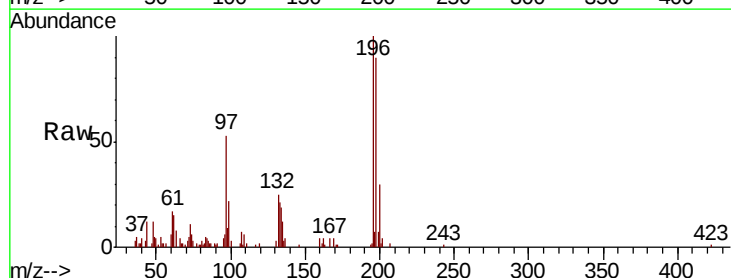
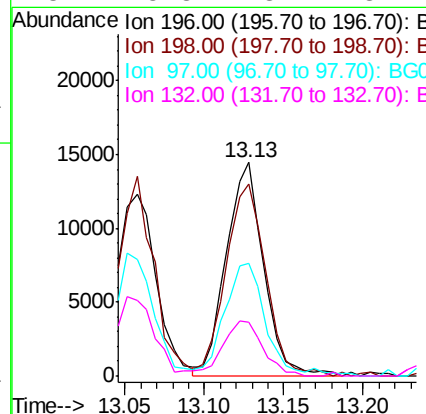
Manual Integrations
 APPROVED

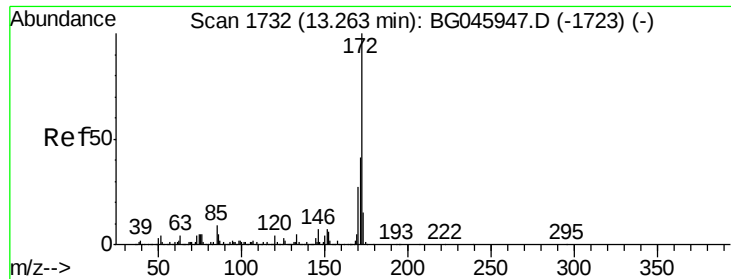
mohammad
 7/10/2020 11:45:34 AM



#44
 2,4,5-Trichlorophenol
 Concen: 3.266 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	23757		
198	89.6	77.0	115.6	
97	52.7	44.3	66.5	
132	25.3	23.1	34.7	





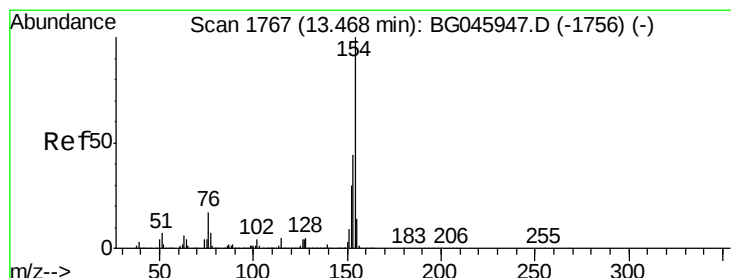
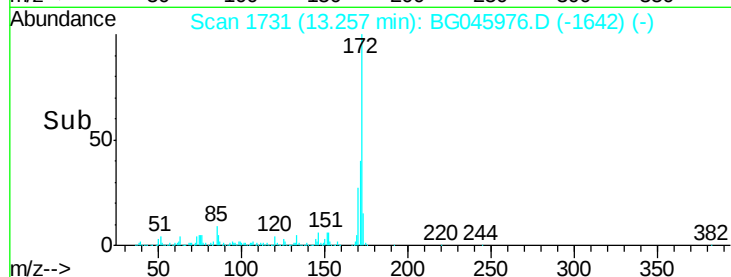
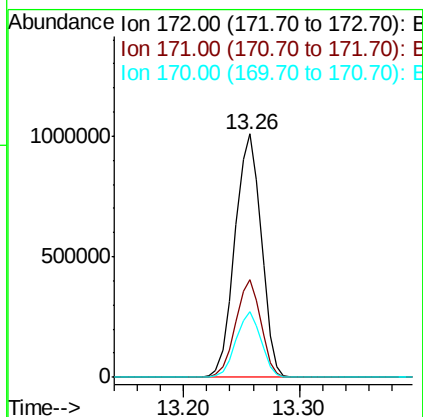
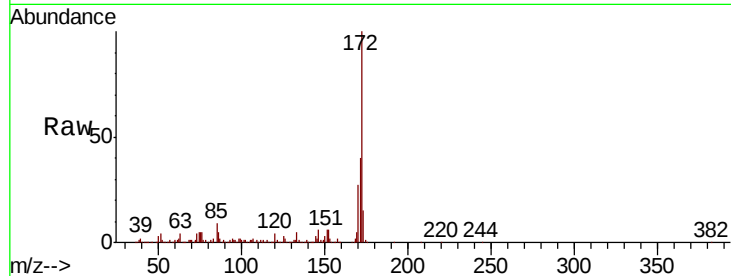
#45
2-Fluorobiphenyl
Concen: 73.598 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.9	32.9	49.3
170	27.1	21.8	32.6

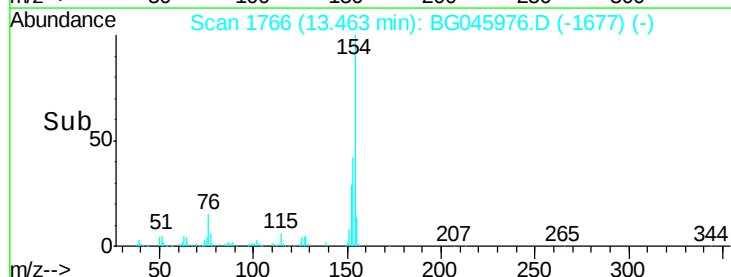
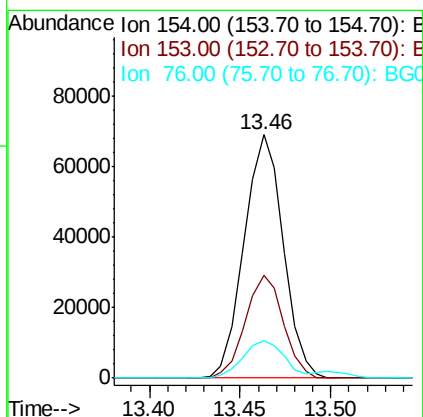
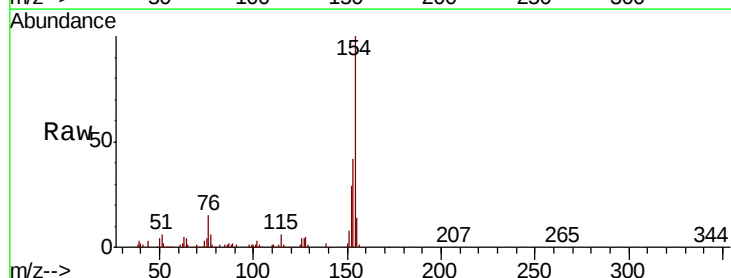
Manual Integrations
APPROVED

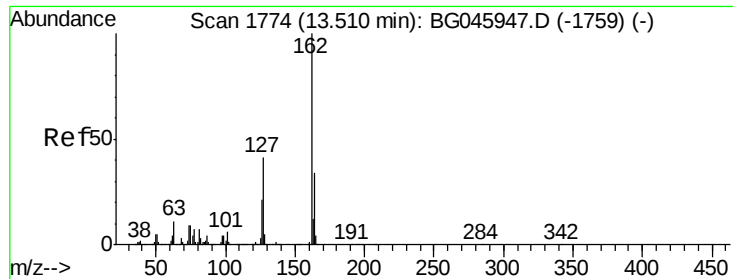
mohammad
7/10/2020 11:45:34 AM



#46
1,1'-Biphenyl
Concen: 4.098 ng
RT: 13.46 min Scan# 1766
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.3	23.6	63.6
76	15.5	0.0	36.9





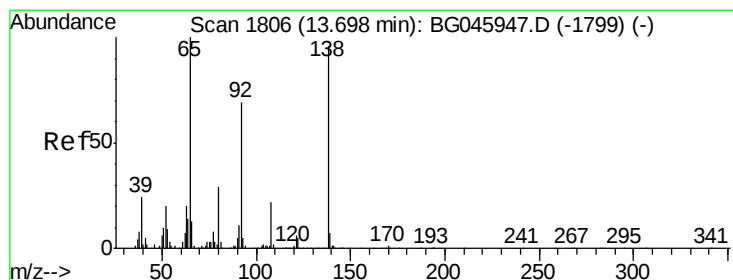
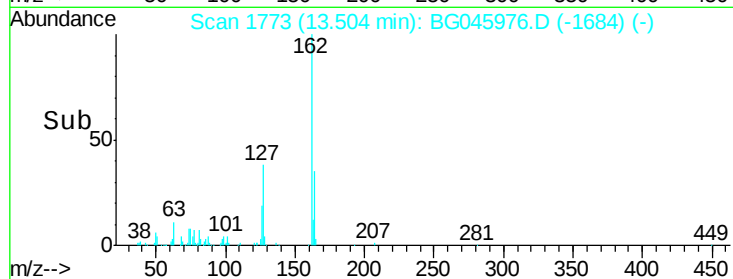
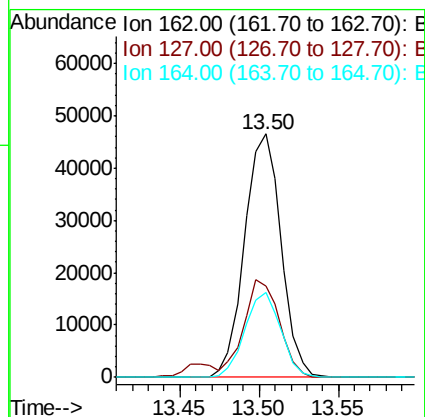
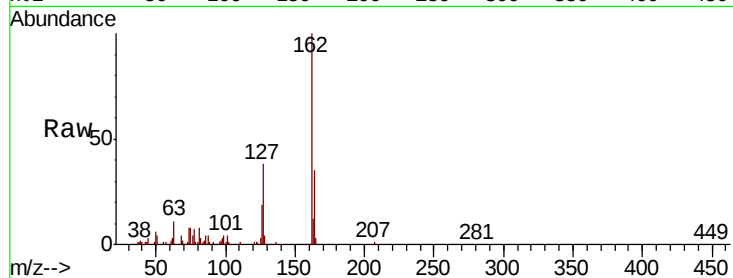
#47
2-Chloronaphthalene
Concen: 3.703 ng
RT: 13.50 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	37.6	32.5	48.7
164	34.9	27.2	40.8

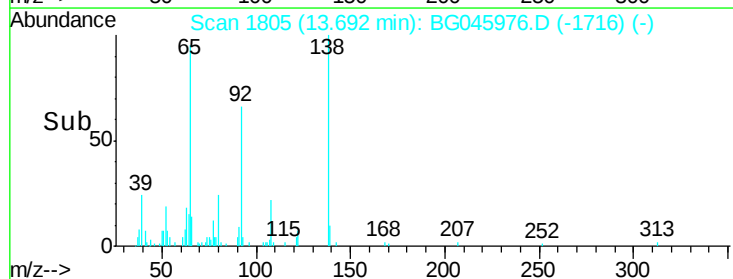
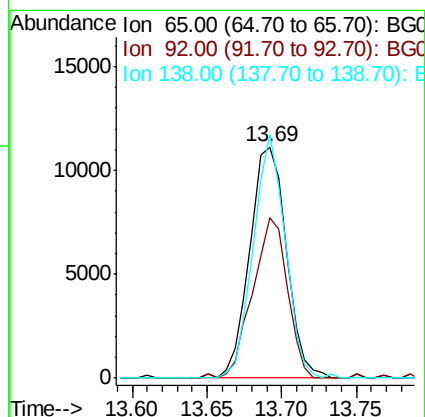
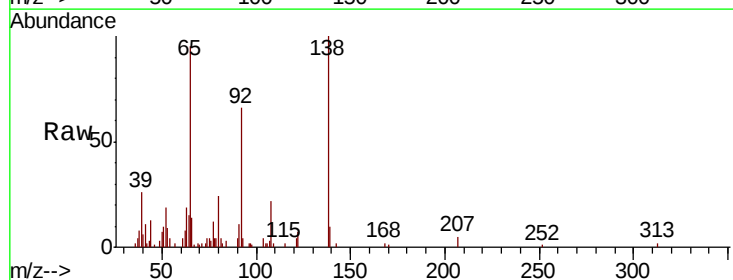
Manual Integrations
APPROVED

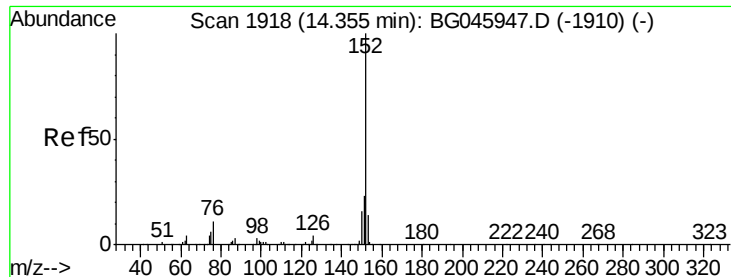
mohammad
7/10/2020 11:45:34 AM



#48
2-Nitroaniline
Concen: 4.033 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.4	55.4	83.0
138	105.4	77.0	115.4





#49

Acenaphthylene

Concen: 3.818 ng

RT: 14.34 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

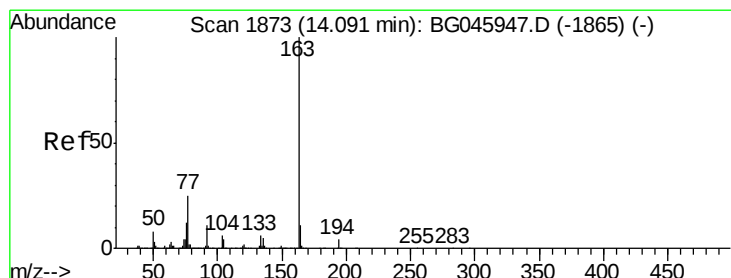
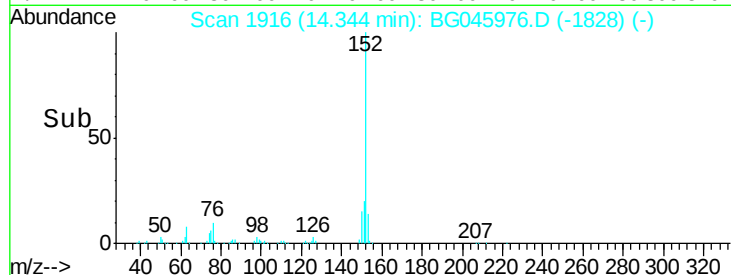
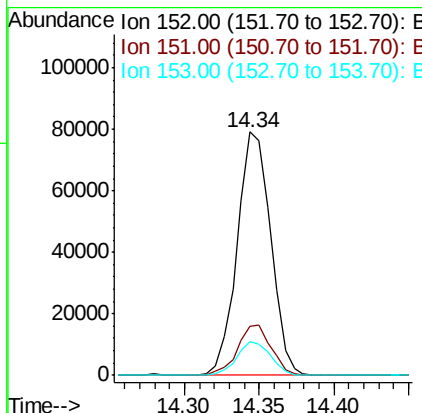
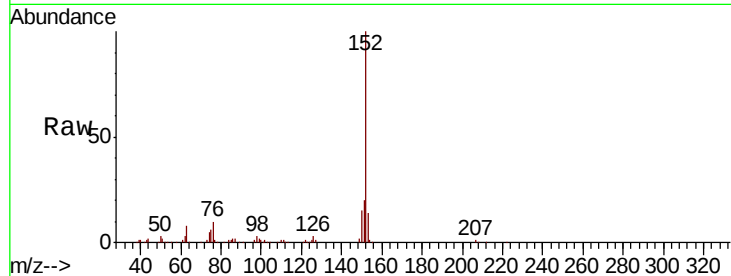
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		123367		
151	20.3	18.1	27.1		
153	13.8	11.5	17.3		

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



#50

Dimethylphthalate

Concen: 3.606 ng

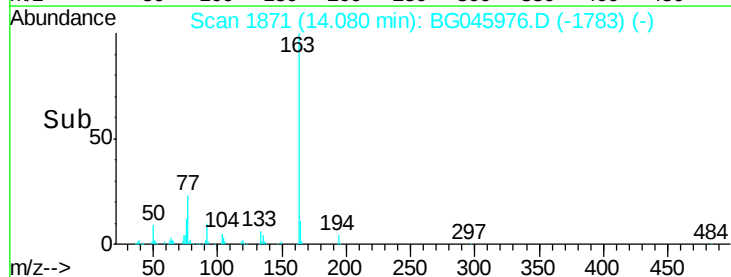
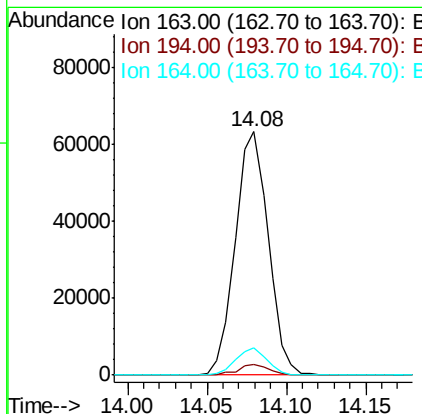
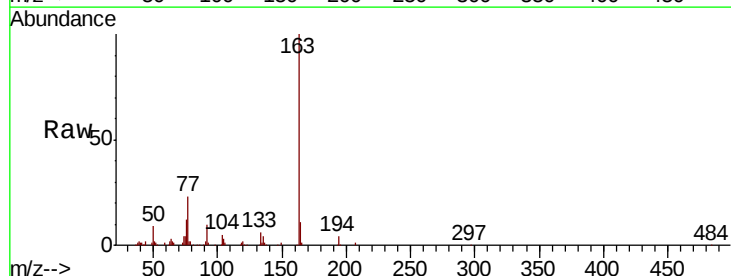
RT: 14.08 min Scan# 1871

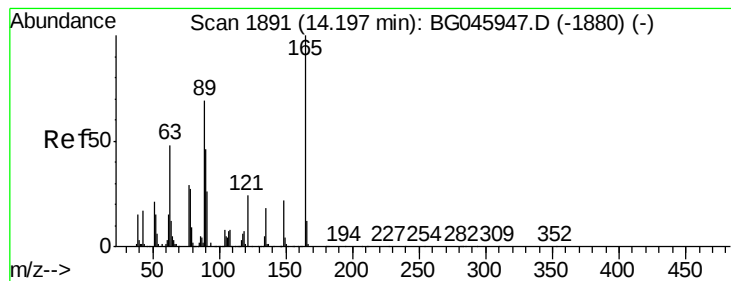
Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		91313		
194	4.5	3.6	5.4		
164	11.0	8.9	13.3		





#51

2,6-Dinitrotoluene

Concen: 3.969 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

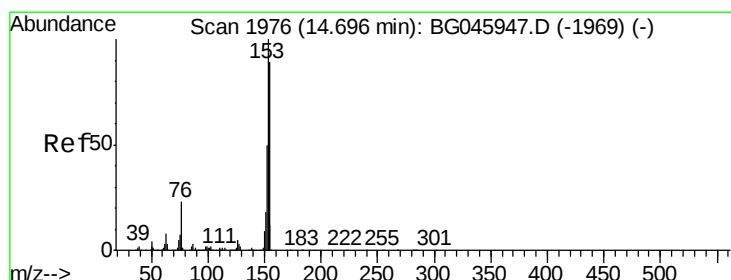
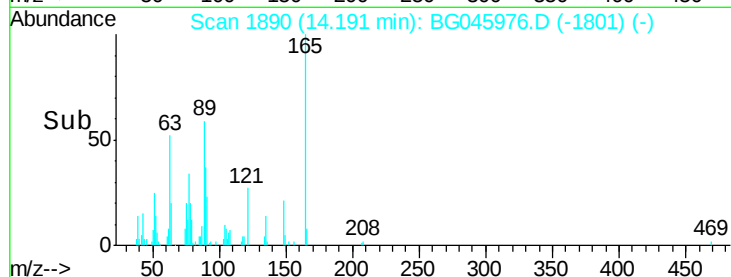
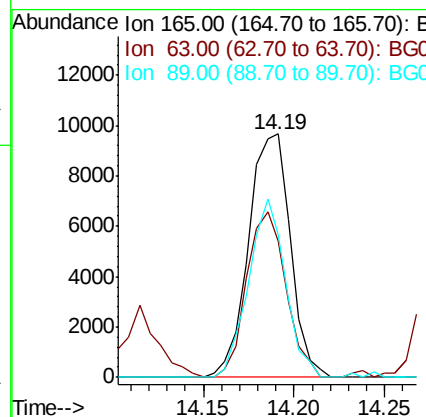
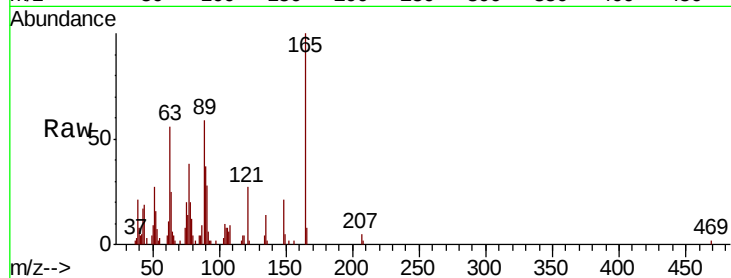
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	165	Resp:	15595
Ion Ratio	Lower	Upper	
165	100		
63	56.1	51.0	76.4
89	58.6	55.7	83.5

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



#52

Acenaphthene

Concen: 3.651 ng

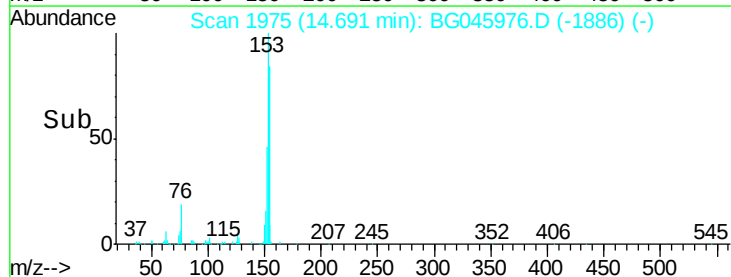
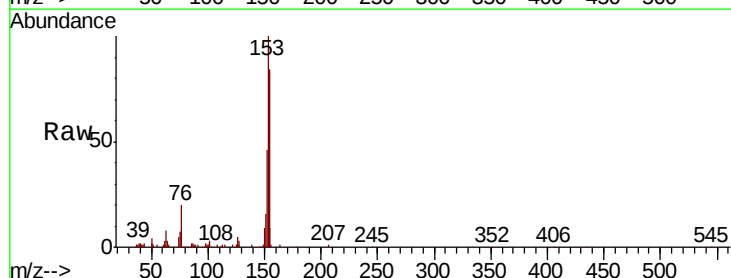
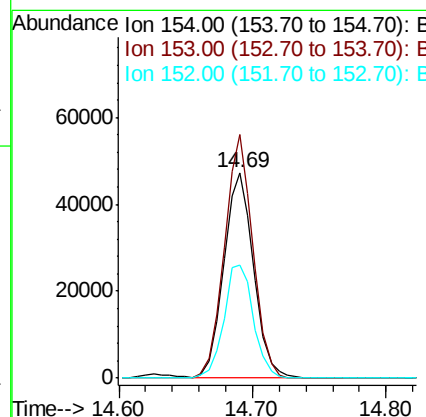
RT: 14.69 min Scan# 1975

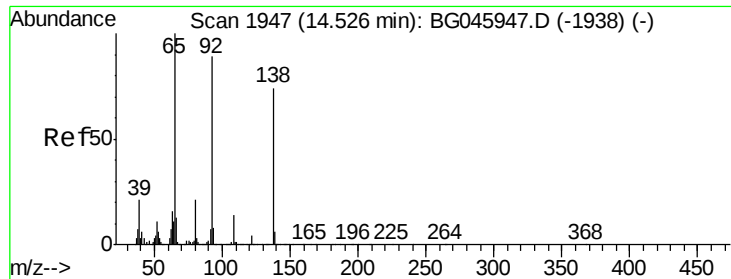
Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion:	154	Resp:	74421
Ion Ratio	Lower	Upper	
154	100		
153	118.5	89.7	134.5
152	54.8	44.7	67.1





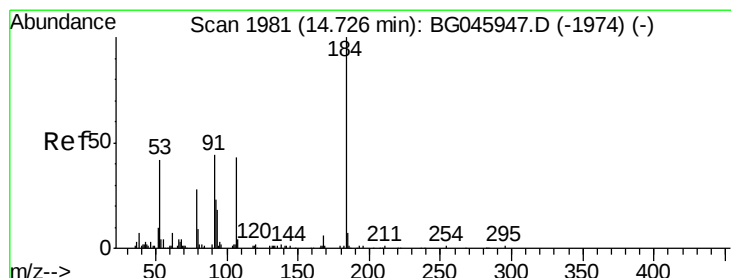
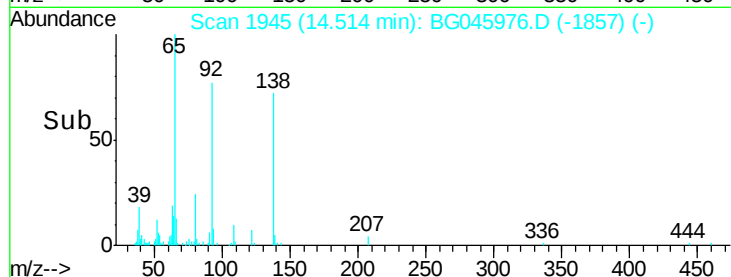
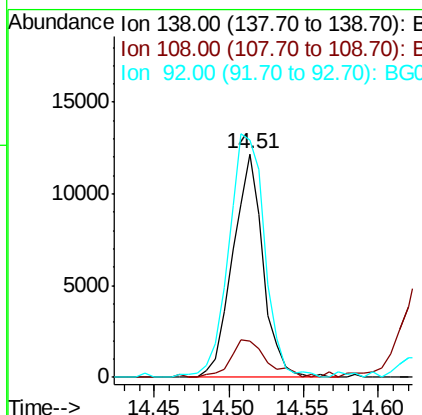
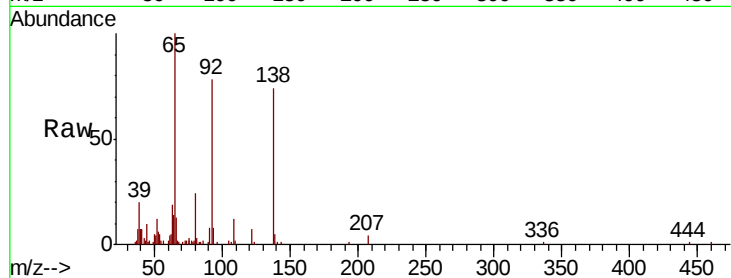
#53
3-Nitroaniline
Concen: 3.532 ng
RT: 14.51 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	16.2	15.4	23.2
92	106.1	95.9	143.9

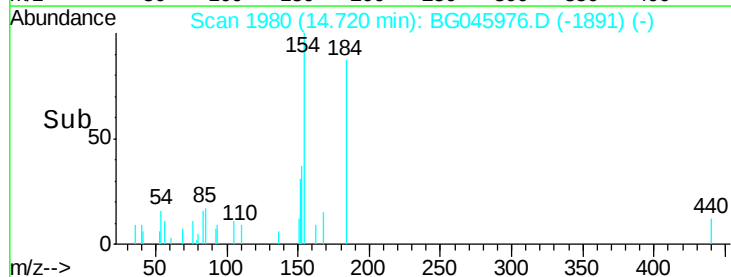
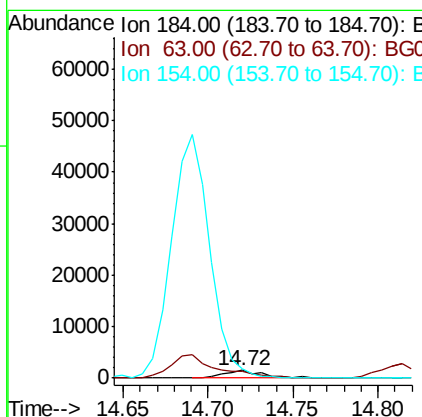
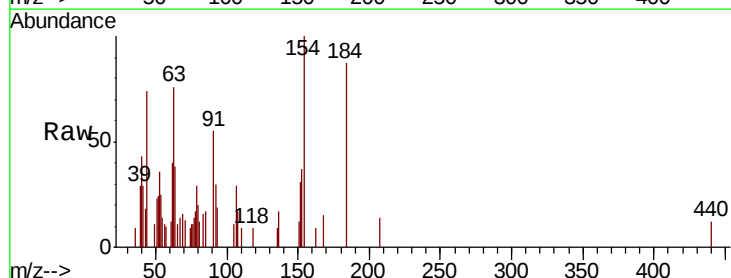
Manual Integrations
APPROVED

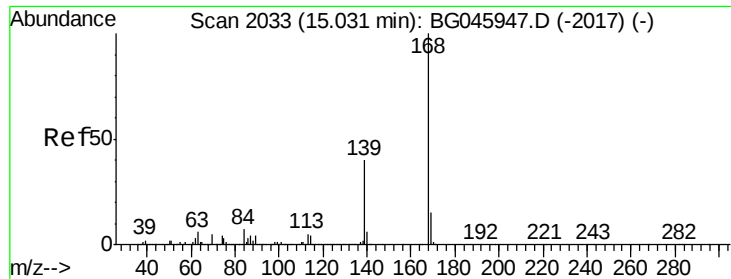
mohammad
7/10/2020 11:45:34 AM



#54
2,4-Dinitrophenol
Concen: 1.841 ng m
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
184	100		
63	87.6	46.0	69.0#
154	114.7	58.2	87.2#





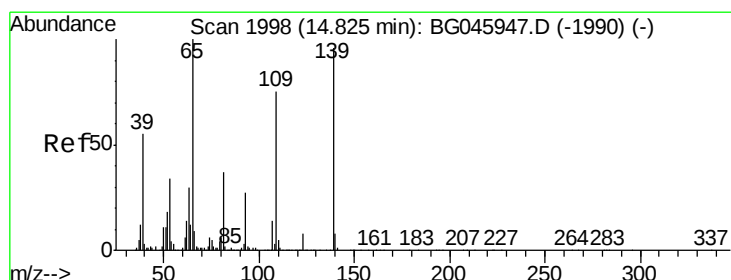
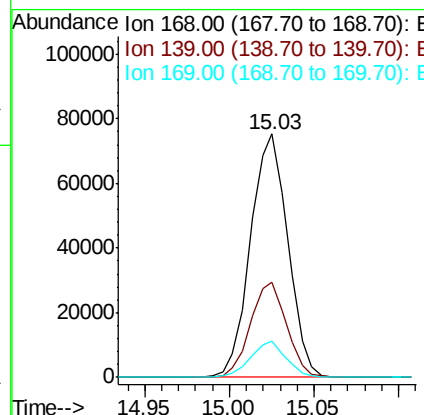
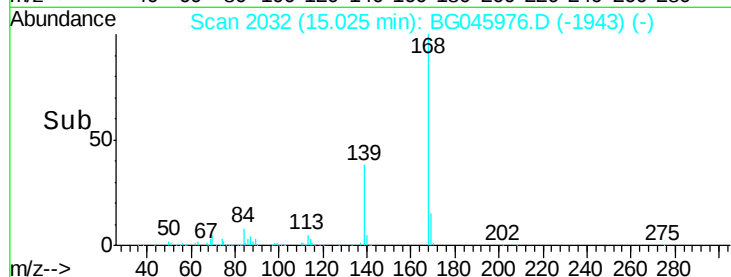
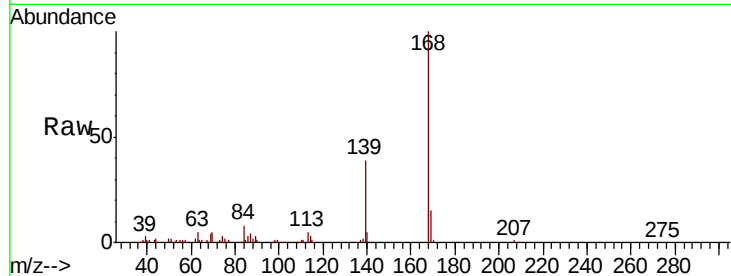
#55
Dibenzofuran
Concen: 3.855 ng
RT: 15.03 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.3	32.2	48.2
169	14.8	11.8	17.8

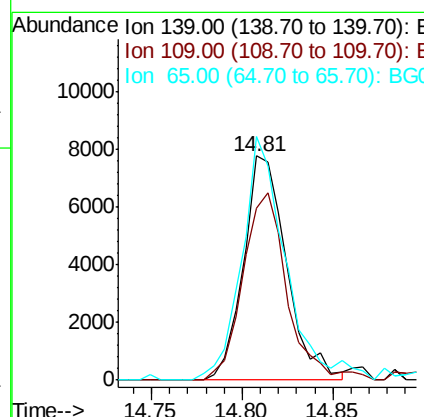
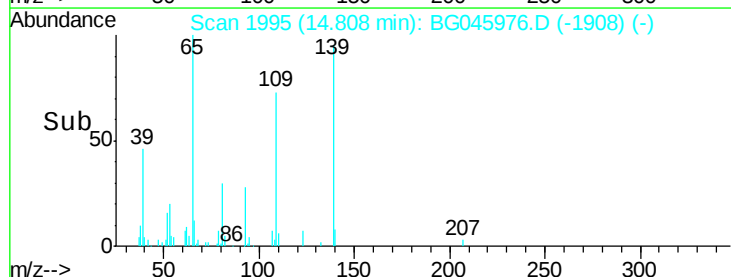
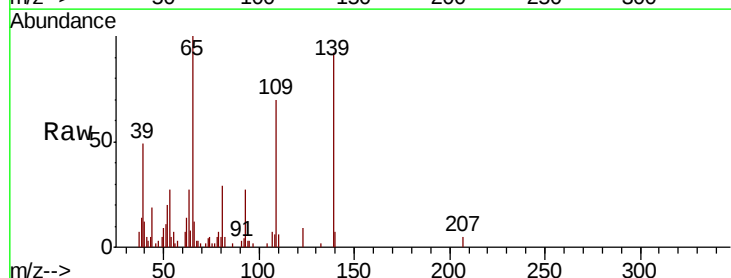
Manual Integrations
APPROVED

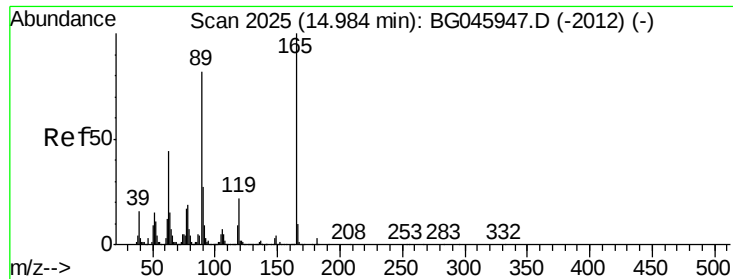
mohammad
7/10/2020 11:45:34 AM



#56
4-Nitrophenol
Concen: 3.119 ng
RT: 14.81 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
139	100		
109	76.7	58.5	98.5
65	108.8	84.7	124.7





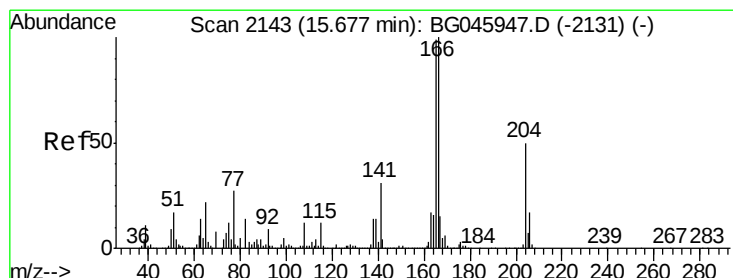
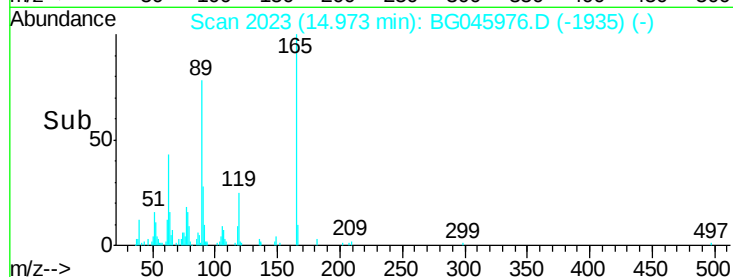
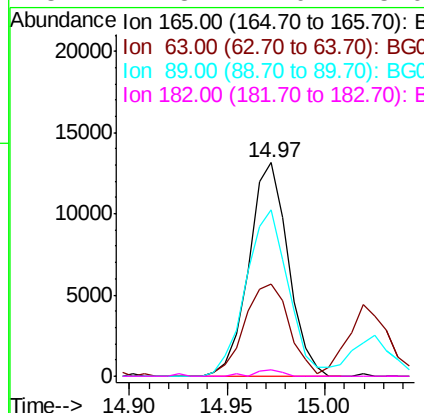
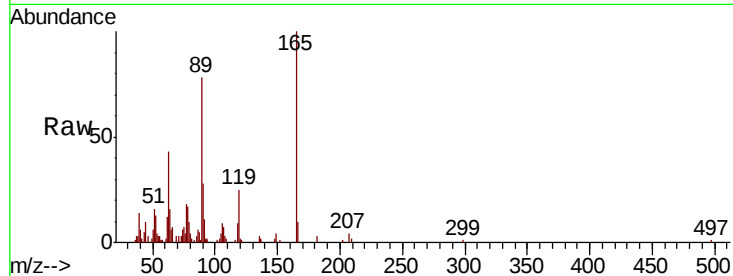
#57
2,4-Dinitrotoluene
Concen: 3.763 ng
RT: 14.97 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	43.4	35.4	53.0
89	77.9	65.4	98.2
182	2.8	2.0	3.0

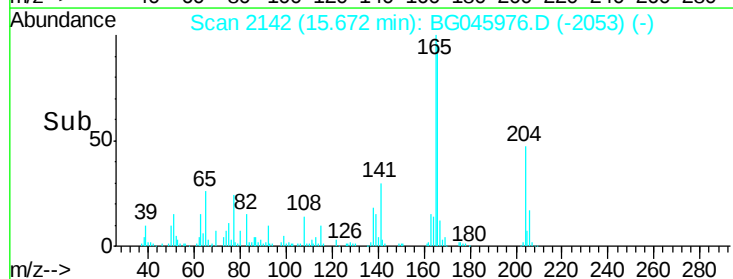
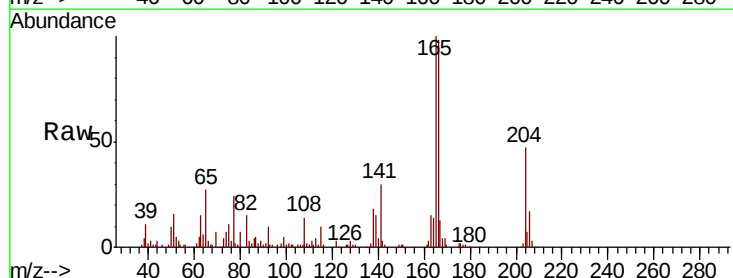
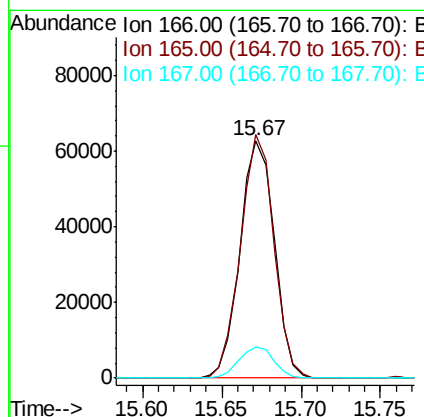
Manual Integrations
APPROVED

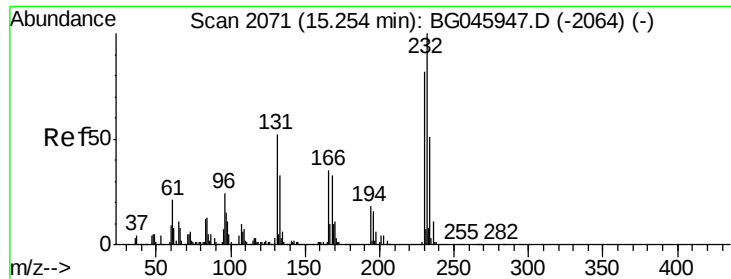
mohammad
7/10/2020 11:45:34 AM



#58
Fluorene
Concen: 3.859 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.4	78.9	118.3
167	13.2	12.1	18.1





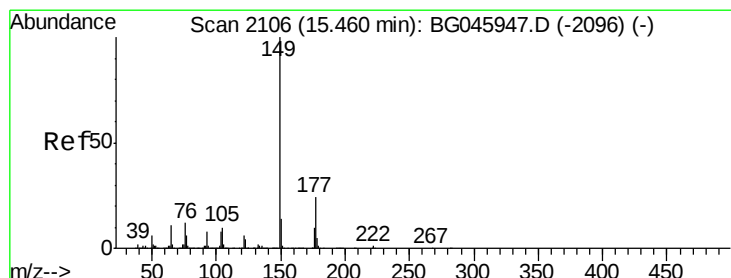
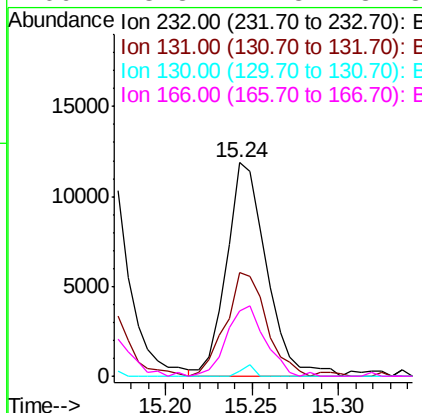
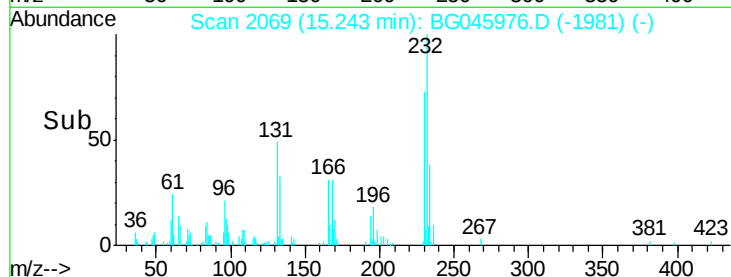
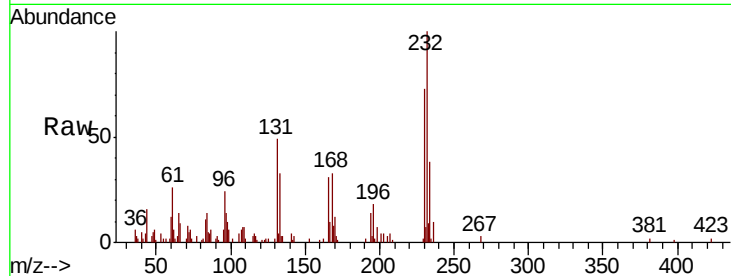
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 3.389 ng m
 RT: 15.24 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
232	100		
131	37.3	35.8	53.6
130	3.1	2.5	3.7
166	23.3	21.8	32.8

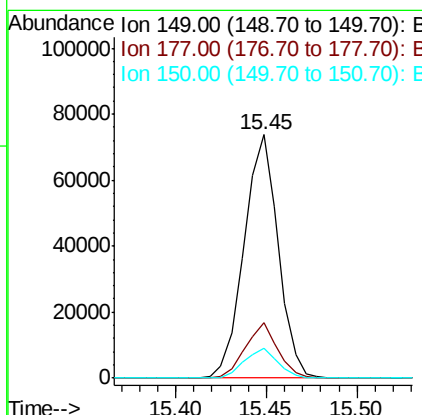
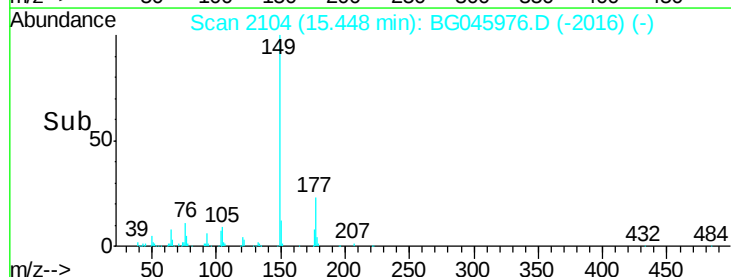
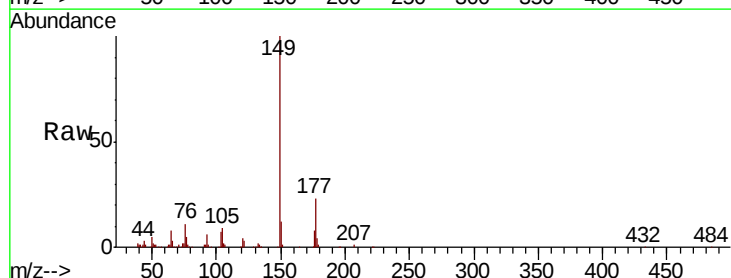
Manual Integrations
 APPROVED

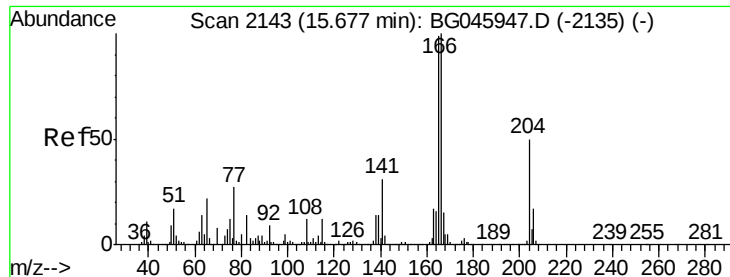
mohammad
 7/10/2020 11:45:34 AM



#60
 Diethylphthalate
 Concen: 3.624 ng
 RT: 15.45 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.9	19.0	28.4
150	12.1	11.0	16.4





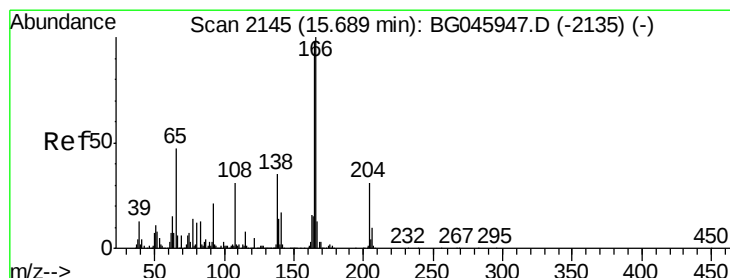
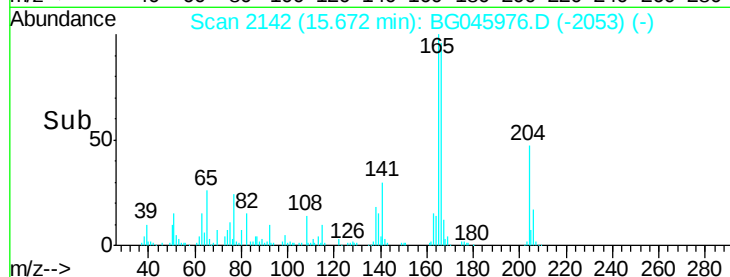
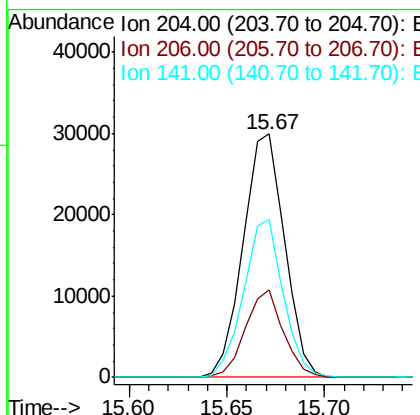
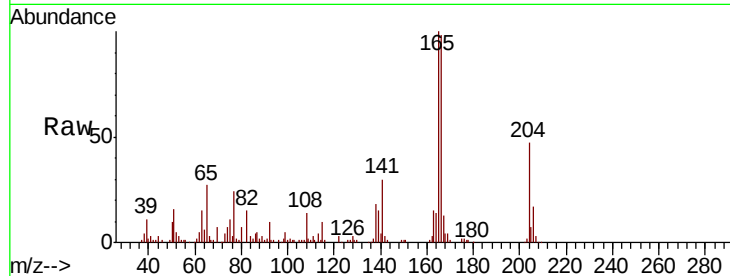
#61
4-Chlorophenyl-phenylether
Concen: 3.616 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	36.0	27.1	40.7
141	65.1	49.8	74.8

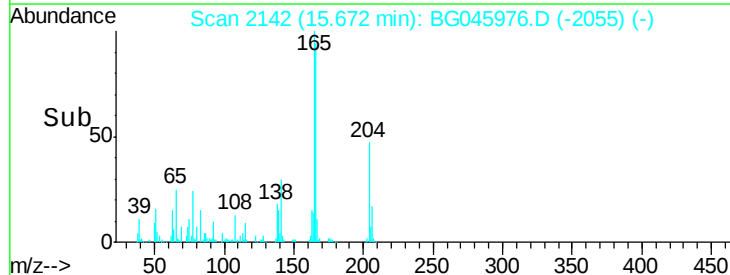
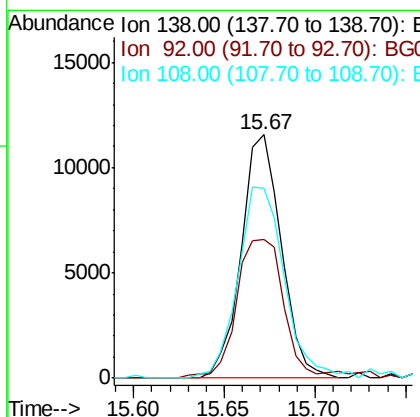
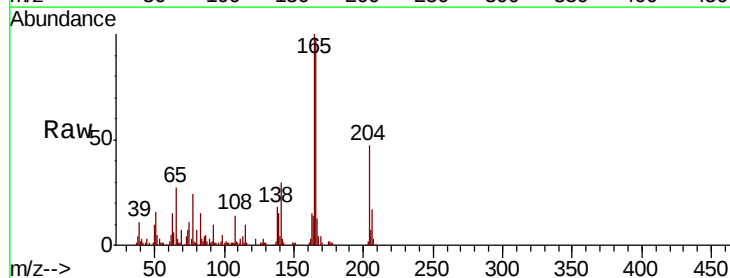
Manual Integrations
APPROVED

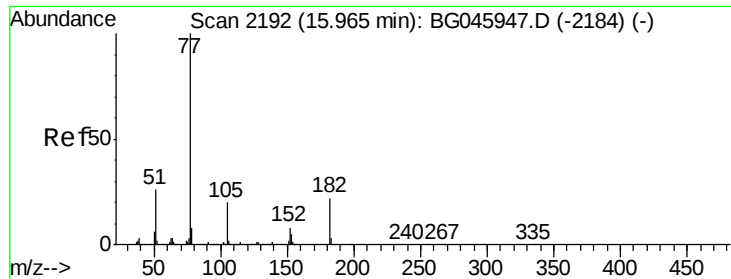
mohammad
7/10/2020 11:45:34 AM



#62
4-Nitroaniline
Concen: 3.394 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
138	100		
92	56.9	40.3	80.3
108	77.9	68.0	108.0





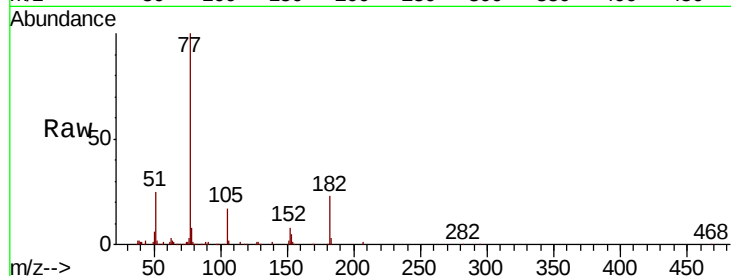
#63
Azobenzene
Concen: 3.822 ng
RT: 15.97 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

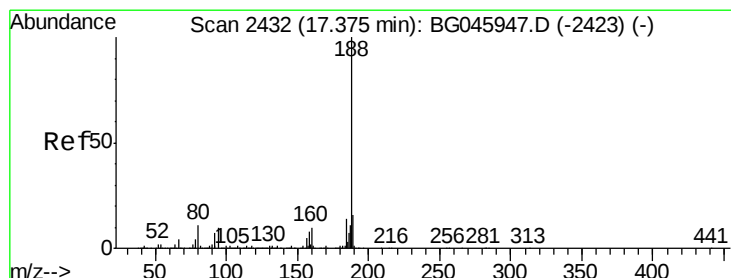
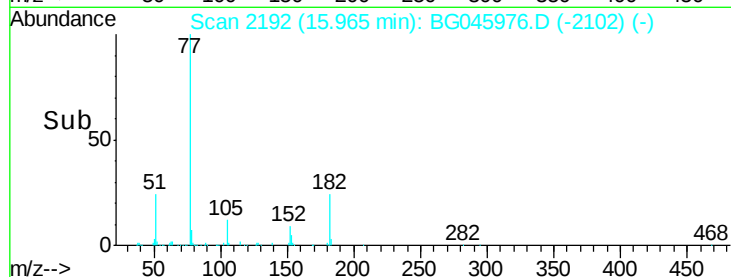
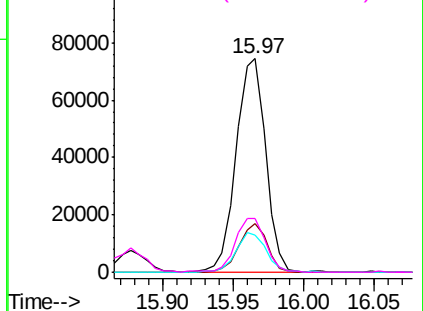
Tot Ion	Ratio	Lower	Upper
77	100		
182	22.8	2.4	42.4
105	17.2	0.3	40.3
51	24.9	6.3	46.3

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



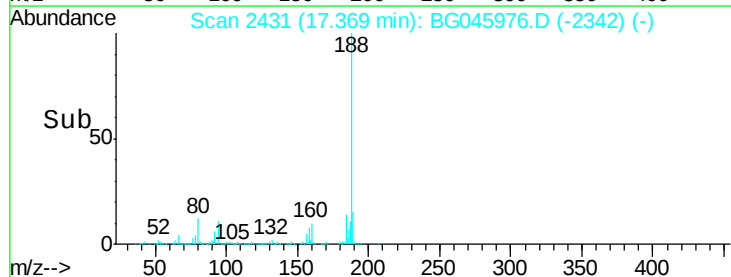
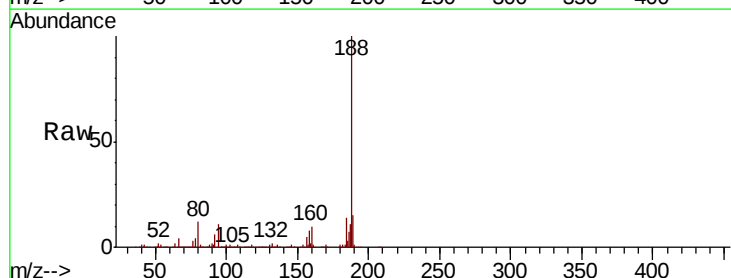
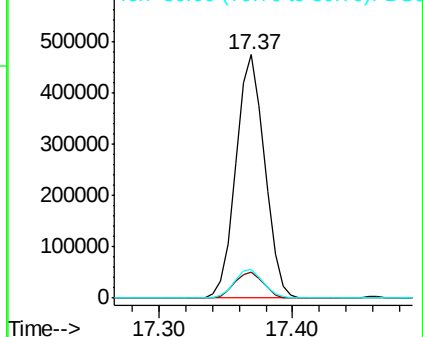
Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

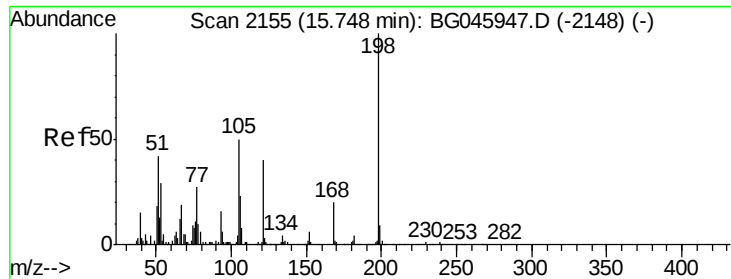


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.2	12.4
80	11.8	9.0	13.6

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





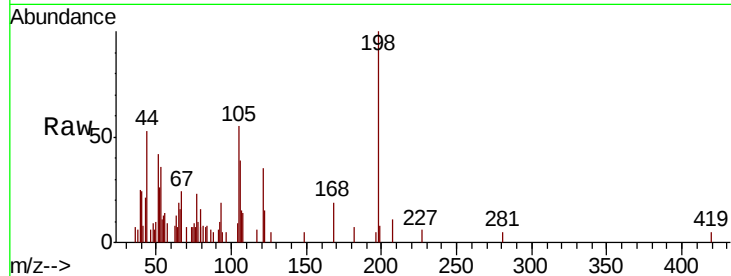
#65
4,6-Dinitro-2-methylphenol
Concen: 2.530 ng
RT: 15.73 min Scan# 2152
Delta R.T. -0.02 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

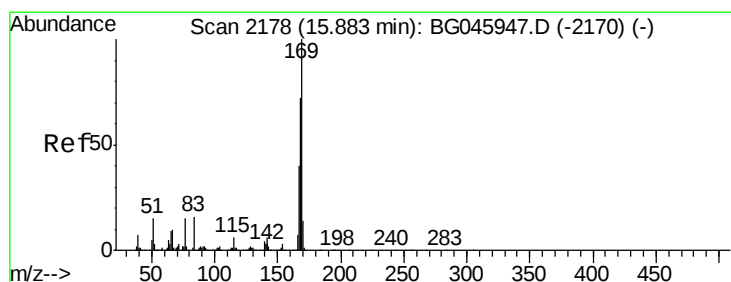
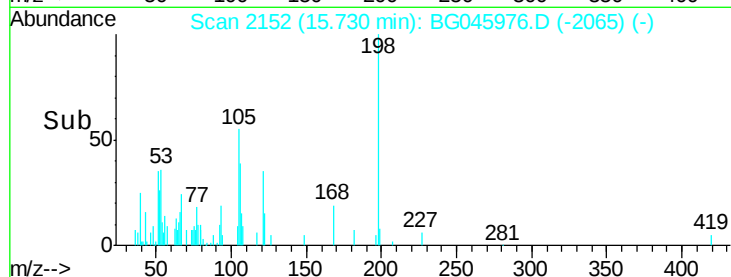
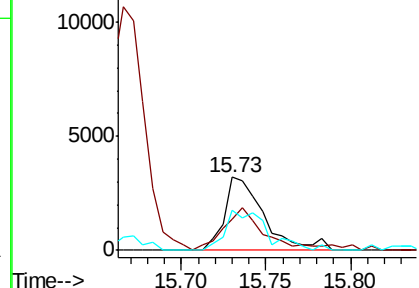
Tot Ion	Ratio	Resp	Lower	Upper
198	100	5228		
51	41.9		24.5	64.5
105	54.7		30.9	70.9

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



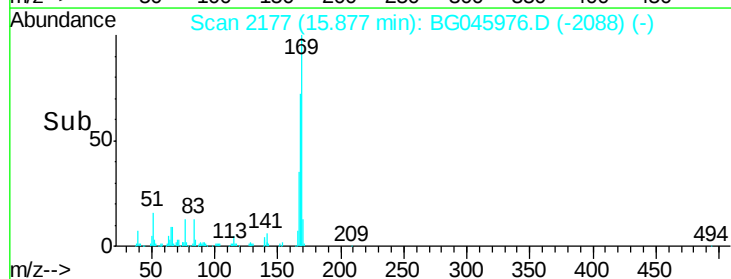
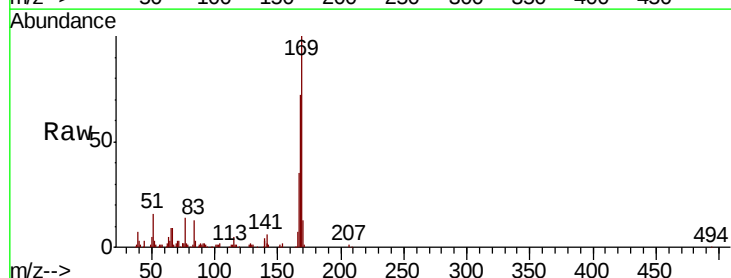
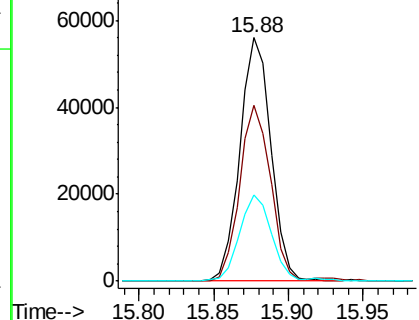
Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

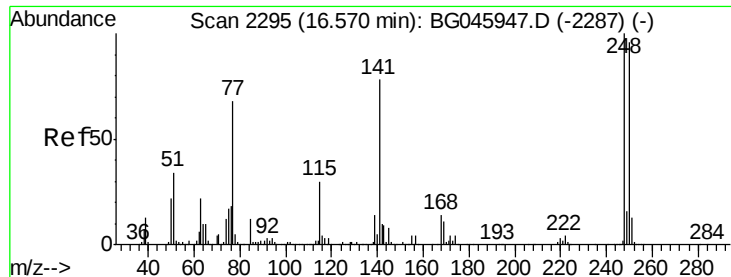


#66
n-Nitrosodiphenylamine
Concen: 3.712 ng
RT: 15.88 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	81157		
168	72.1		57.3	85.9
167	35.3		32.1	48.1

Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.253 ng

RT: 16.56 min Scan# 2294

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

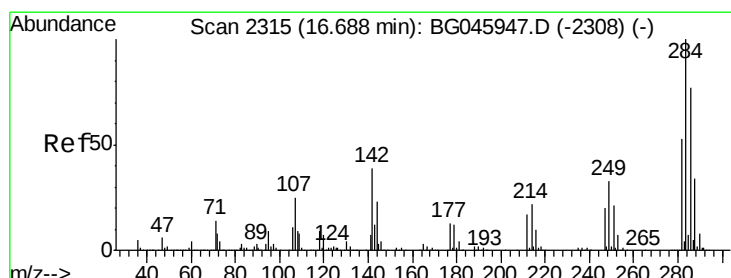
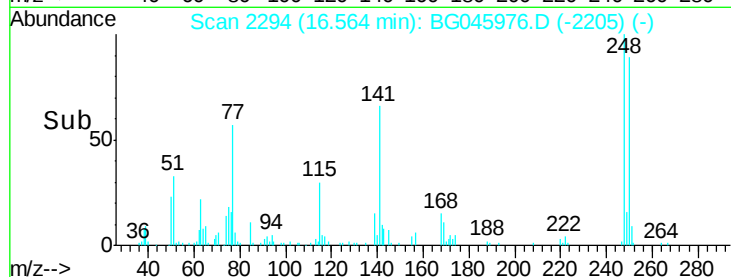
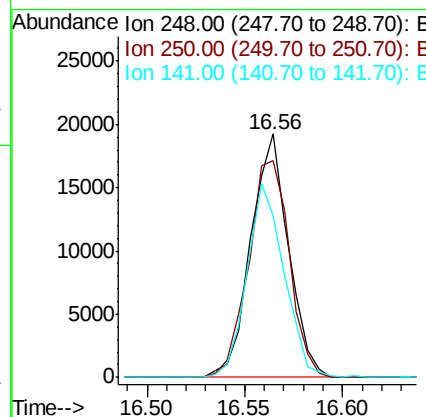
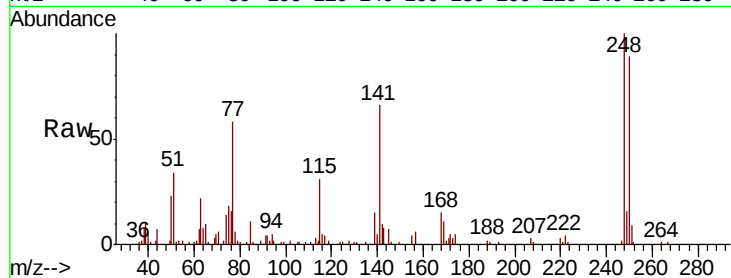
ClientSampled :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	248	Resp:	25639
Ion Ratio	Lower	Upper	
248	100		
250	89.2	76.6	114.8
141	66.4	62.7	94.1

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



#68

Hexachlorobenzene

Concen: 3.505 ng

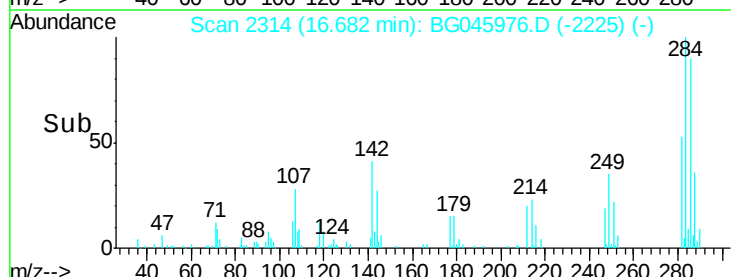
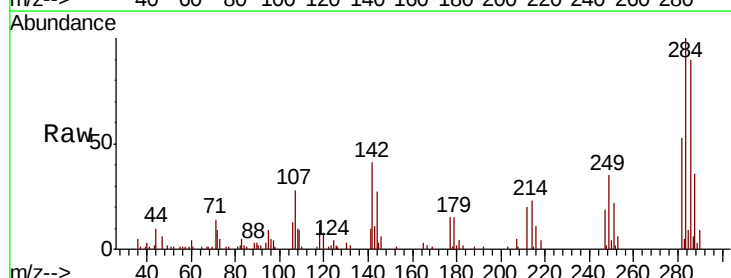
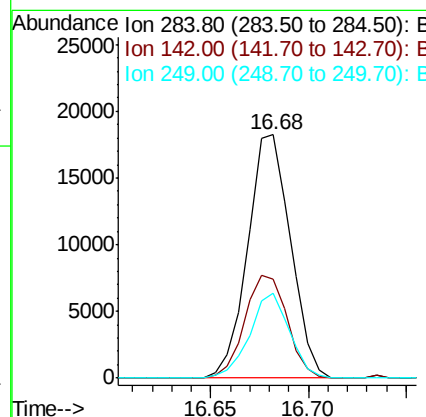
RT: 16.68 min Scan# 2314

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion:	284	Resp:	27719
Ion Ratio	Lower	Upper	
284	100		
142	40.5	31.3	46.9
249	35.1	26.8	40.2





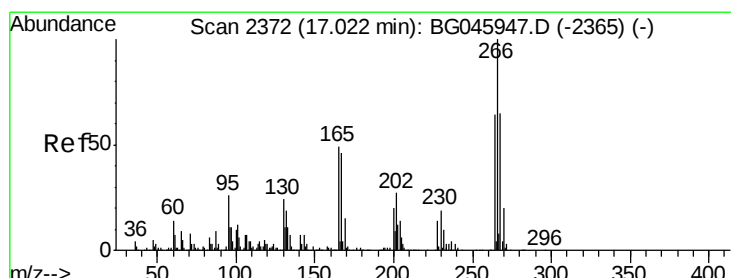
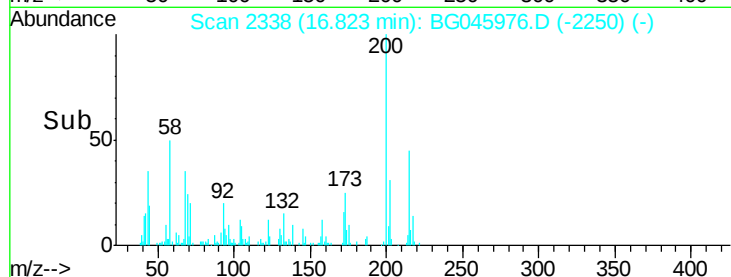
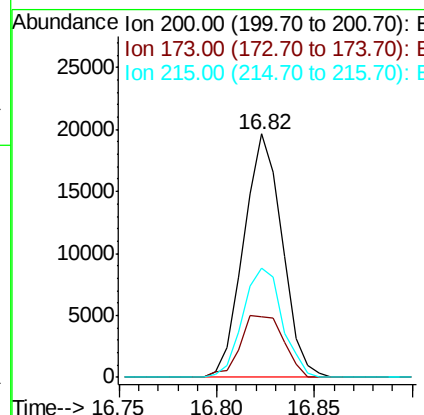
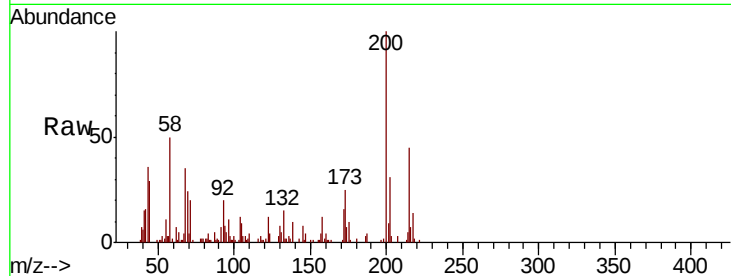
#69
Atrazine
Concen: 4.147 ng
RT: 16.82 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	25.0	9.1	49.1
215	45.0	28.8	68.8

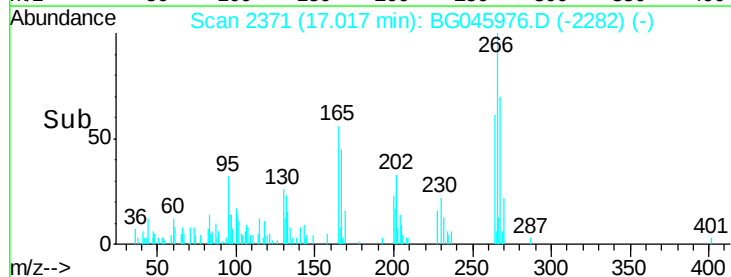
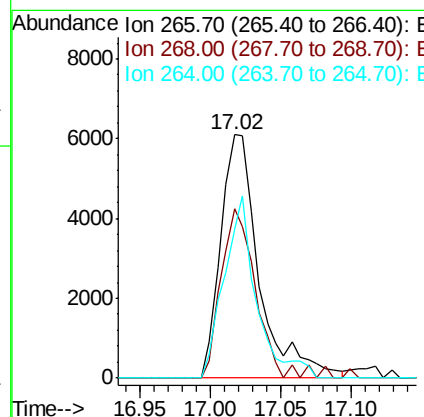
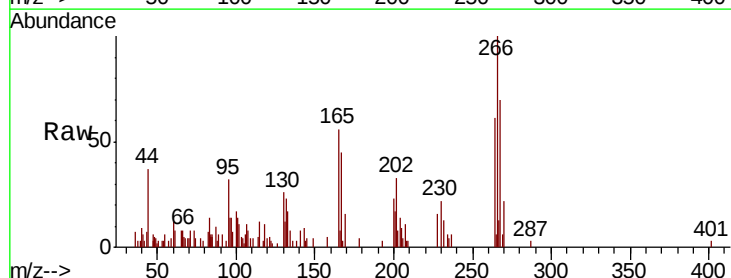
Manual Integrations
APPROVED

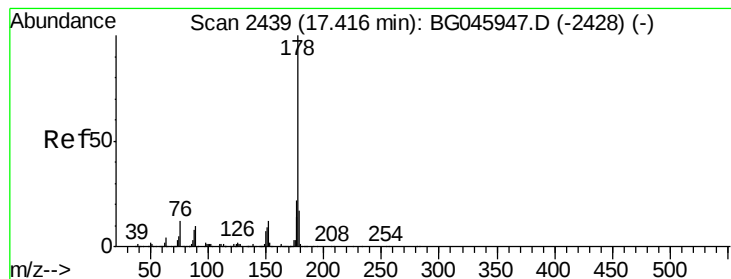
mohammad
7/10/2020 11:45:34 AM



#70
Pentachlorophenol
Concen: 2.633 ng
RT: 17.02 min Scan# 2371
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	69.6	51.8	77.8
264	61.4	51.4	77.0





#71

Phenanthrene

Concen: 3.857 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

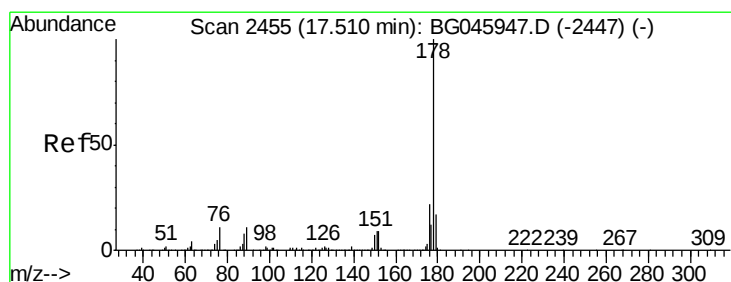
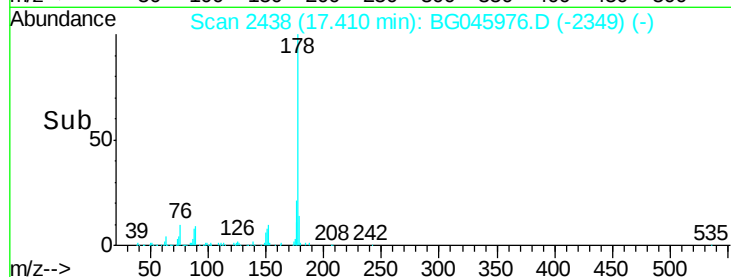
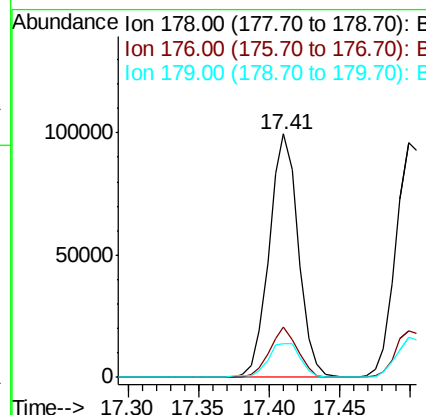
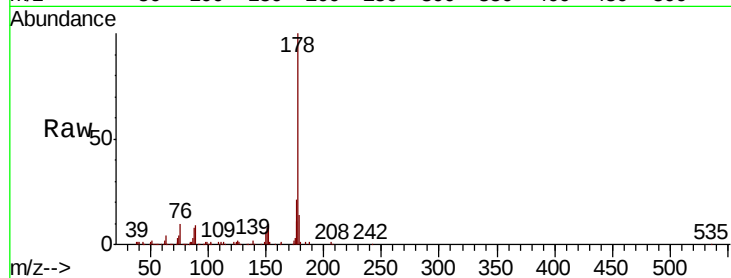
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	178	Resp:	143876
Ion Ratio	Lower	Upper	
178	100		
176	20.8	17.4	26.2
179	14.1	13.4	20.2

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



#72

Anthracene

Concen: 3.913 ng

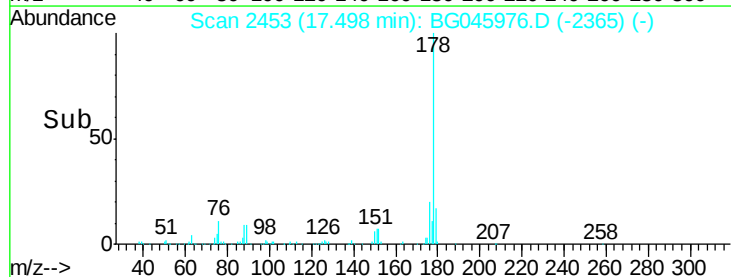
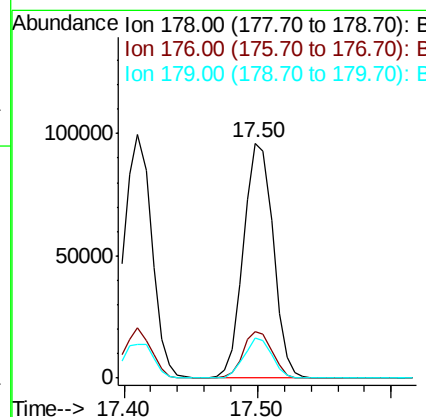
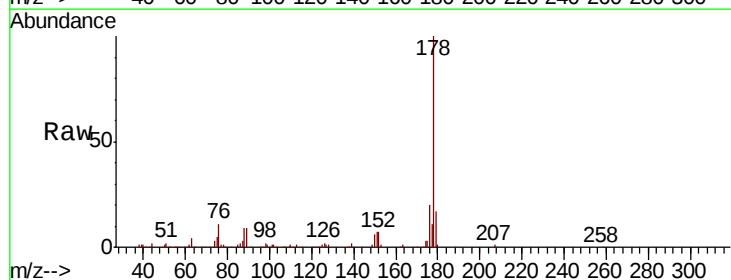
RT: 17.50 min Scan# 2453

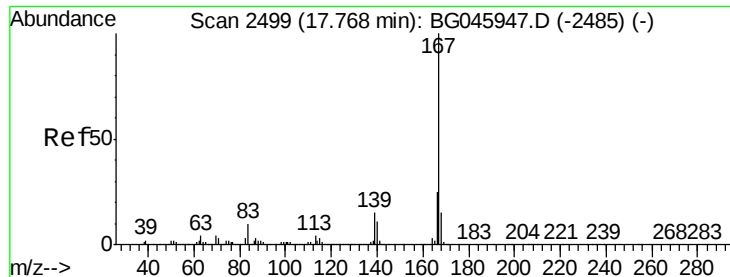
Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion:	178	Resp:	148118
Ion Ratio	Lower	Upper	
178	100		
176	19.7	17.2	25.8
179	17.0	14.0	21.0





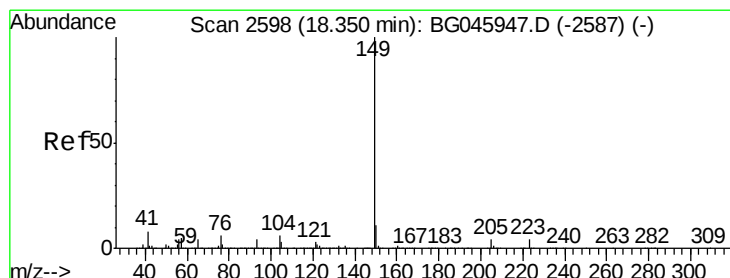
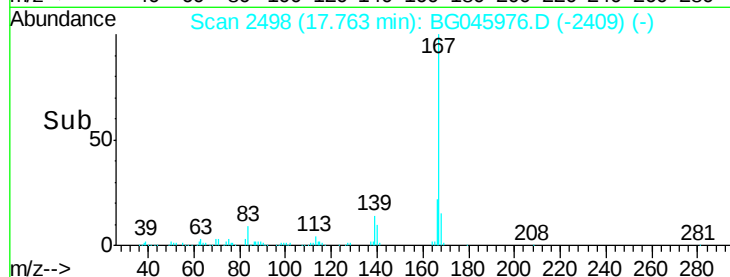
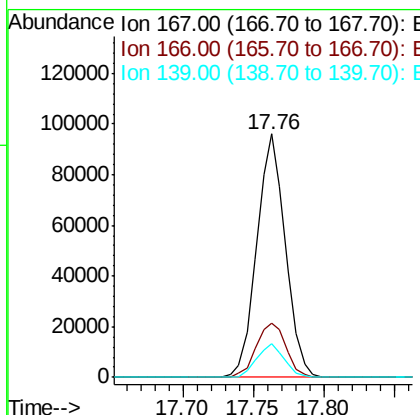
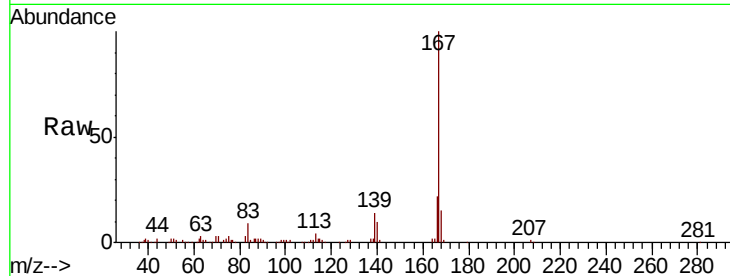
#73
 Carbazole
 Concen: 3.606 ng
 RT: 17.76 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.5	20.4	30.6
139	13.9	11.8	17.8

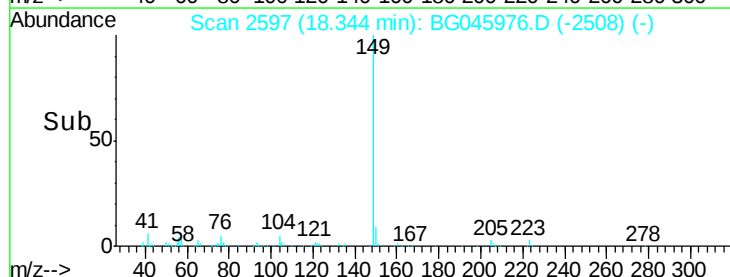
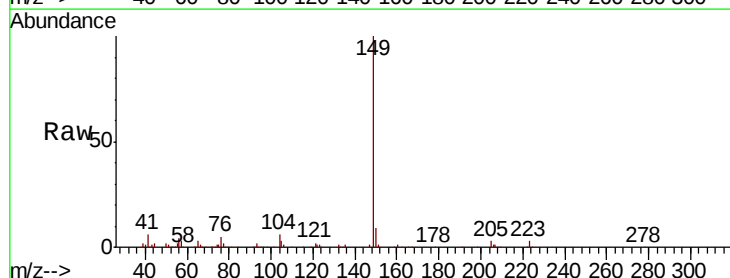
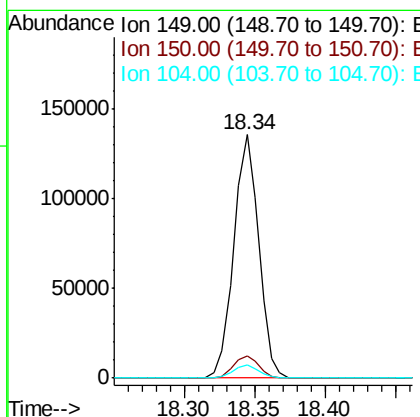
Manual Integrations
 APPROVED

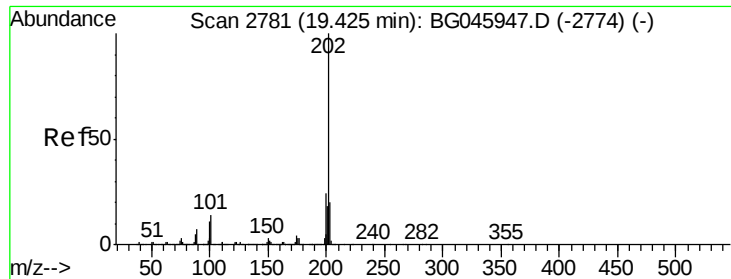
mohammad
 7/10/2020 11:45:34 AM



#74
 Di-n-butylphthalate
 Concen: 3.626 ng
 RT: 18.34 min Scan# 2597
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	9.0	13.4
104	5.6	5.2	7.8





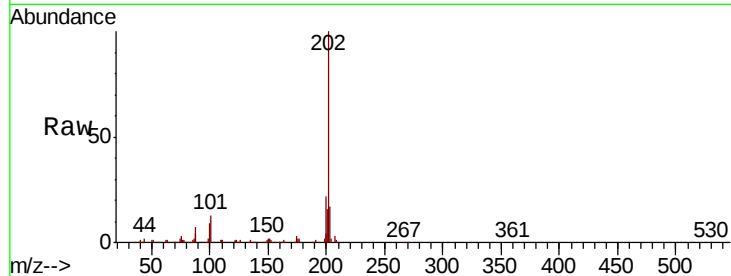
#75
Fluoranthene
Concen: 3.918 ng
RT: 19.42 min Scan# 2780
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.3	0.0	33.8
203	17.0	0.4	40.4

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM

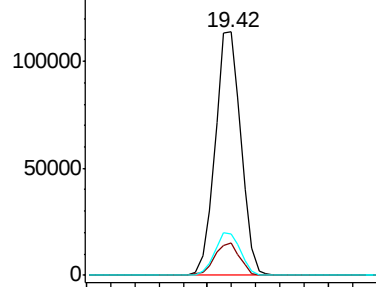


Abundance

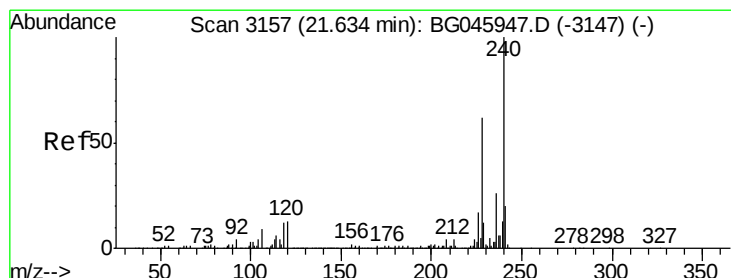
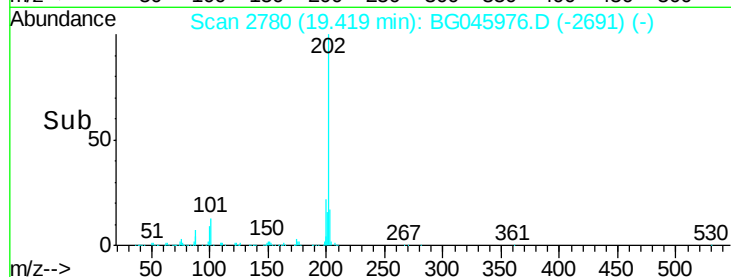
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.30 19.40 19.50



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

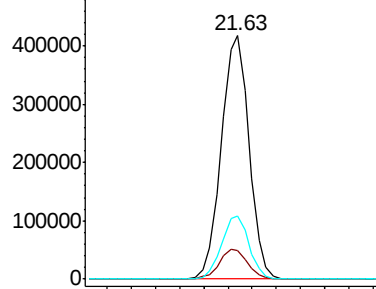
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.9	10.6	16.0
236	26.0	20.4	30.6

Abundance

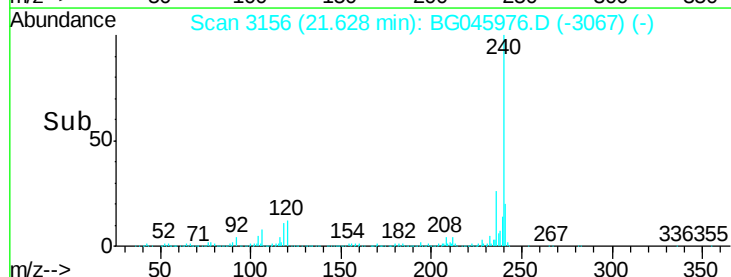
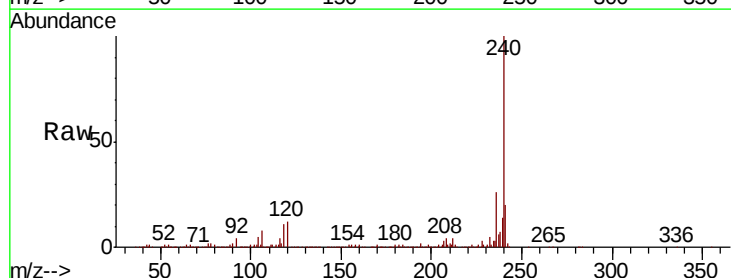
Ion 240.00 (239.70 to 240.70): E

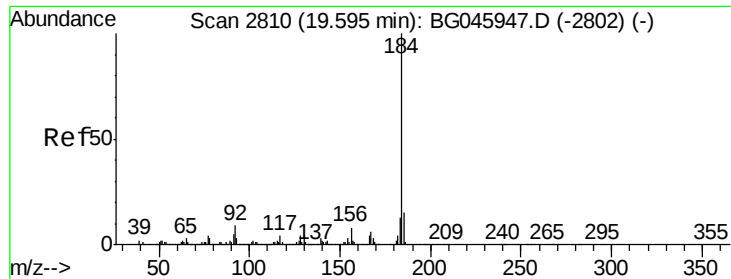
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.60 21.70





#77

Benzidine

Concen: 4.030 ng

RT: 19.59 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

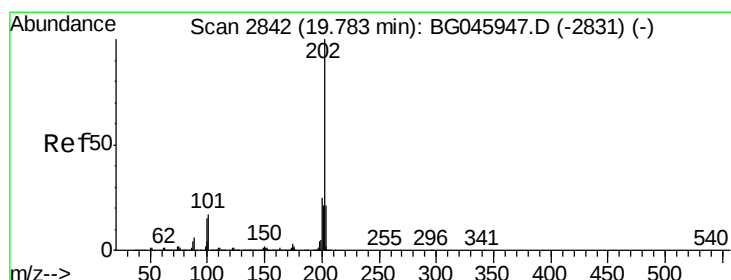
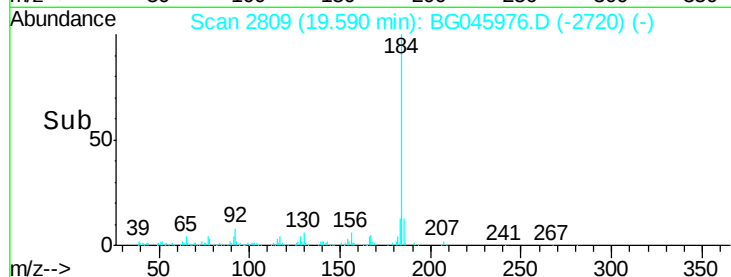
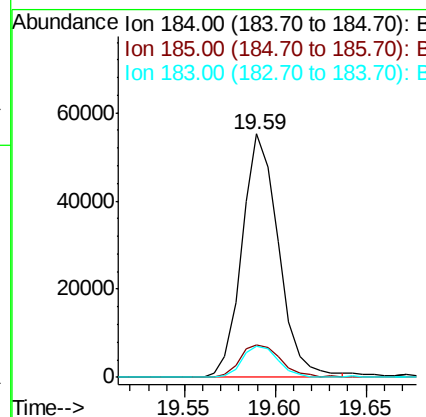
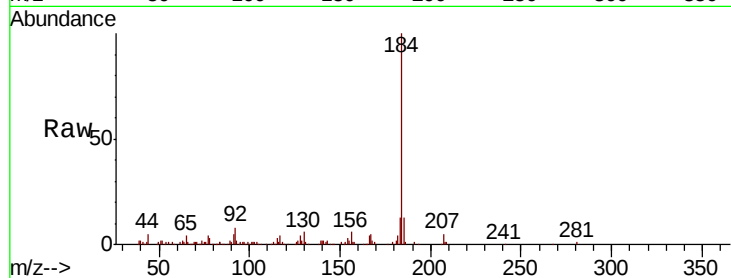
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	184	Resp:	77345
Ion Ratio	Lower	Upper	
184	100		
185	13.4	11.6	17.4
183	12.8	10.4	15.6

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



#78

Pyrene

Concen: 3.862 ng

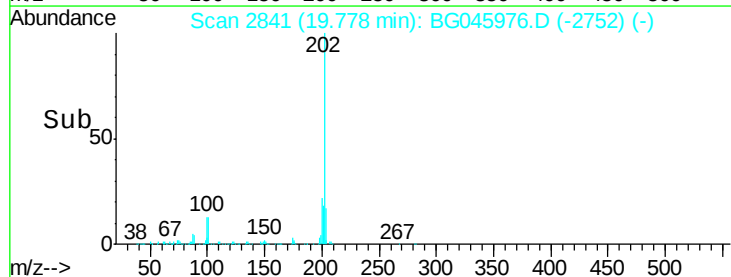
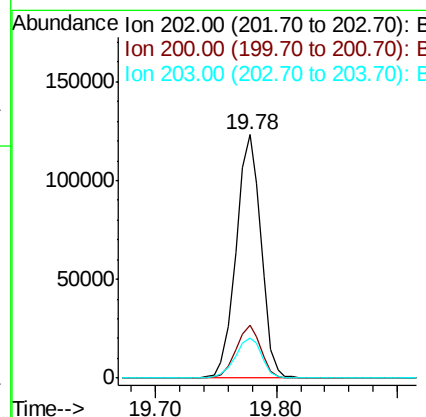
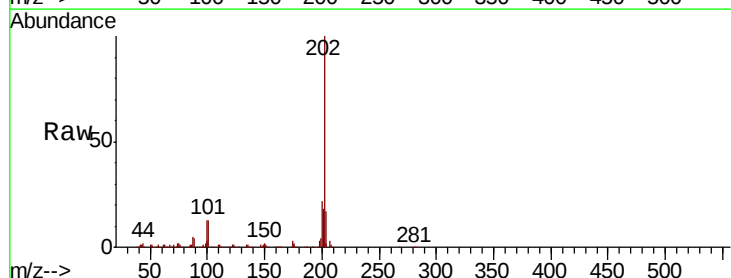
RT: 19.78 min Scan# 2841

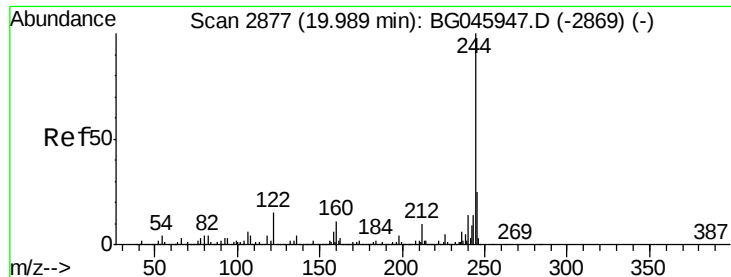
Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion:	202	Resp:	176978
Ion Ratio	Lower	Upper	
202	100		
200	21.9	20.1	30.1
203	16.6	16.5	24.7





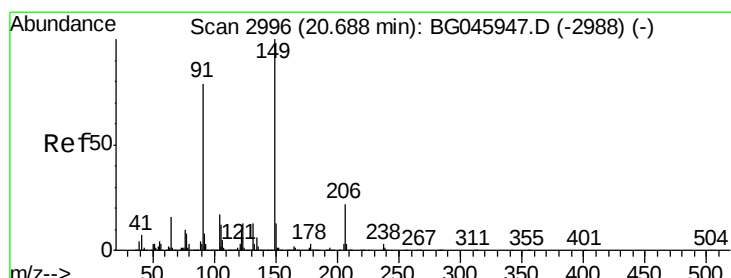
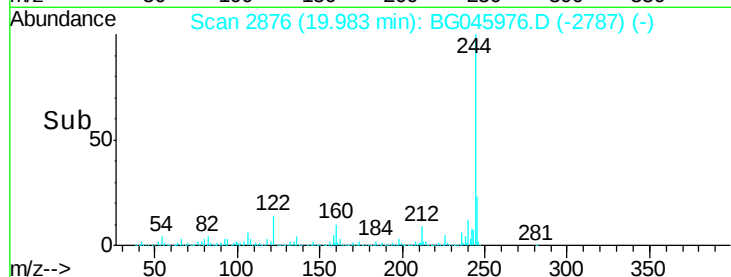
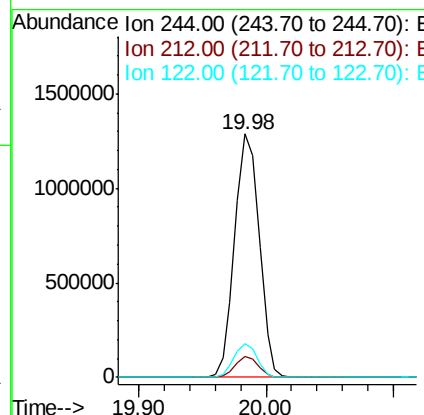
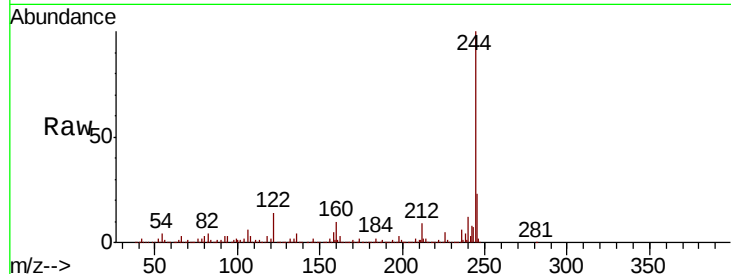
#79
 Terphenyl-d14
 Concen: 57.160 ng
 RT: 19.98 min Scan# 2876
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.6	8.3	12.5
122	13.7	12.1	18.1

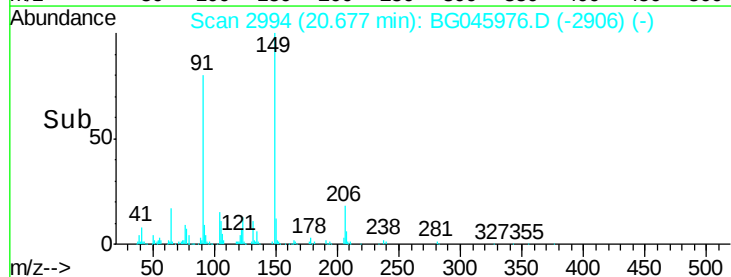
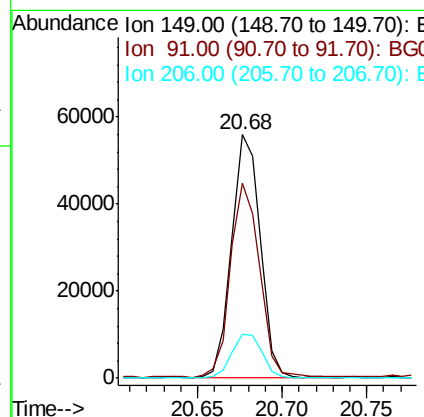
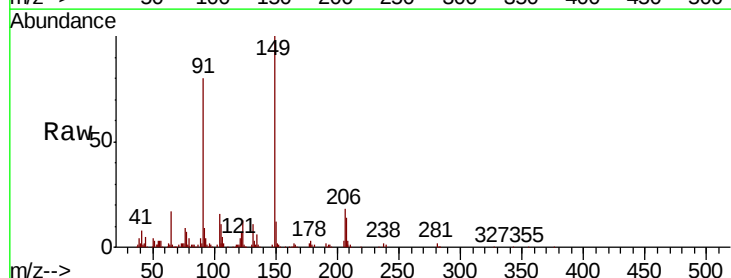
Manual Integrations
 APPROVED

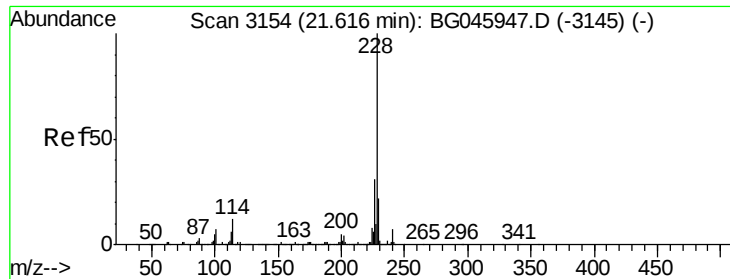
mohammad
 7/10/2020 11:45:34 AM



#80
 Butylbenzylphthalate
 Concen: 3.061 ng
 RT: 20.68 min Scan# 2994
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
149	100		
91	80.3	63.1	94.7
206	17.8	17.4	26.0





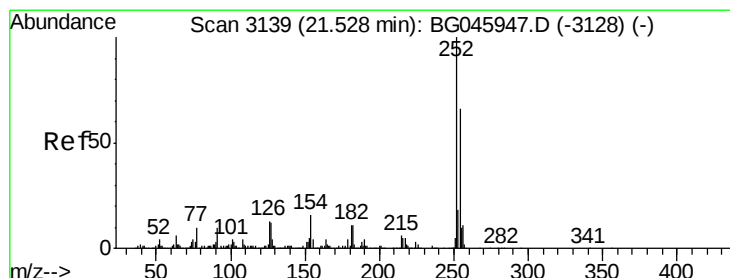
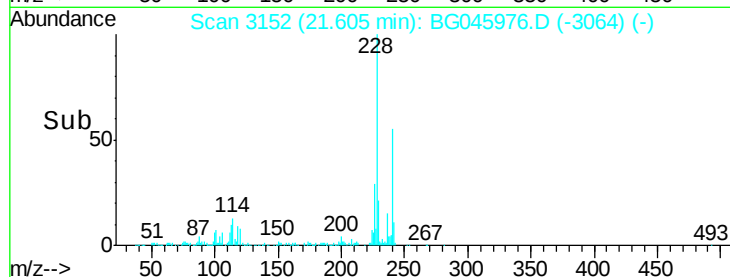
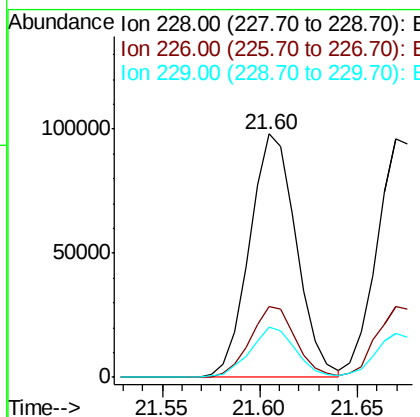
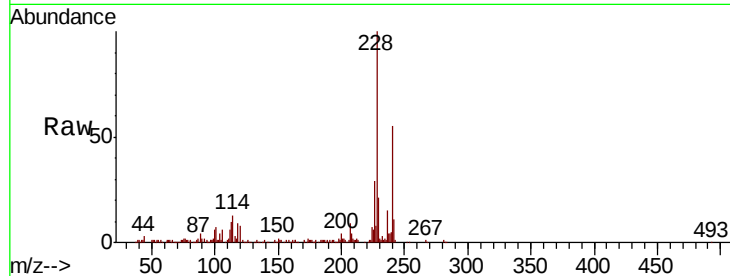
#81
Benzo(a)anthracene
Concen: 3.681 ng
RT: 21.60 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.8	37.2
229	20.5	17.8	26.8

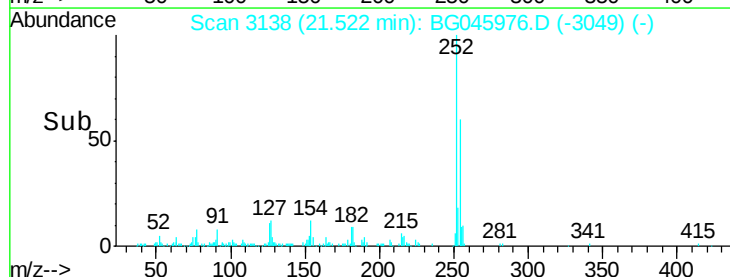
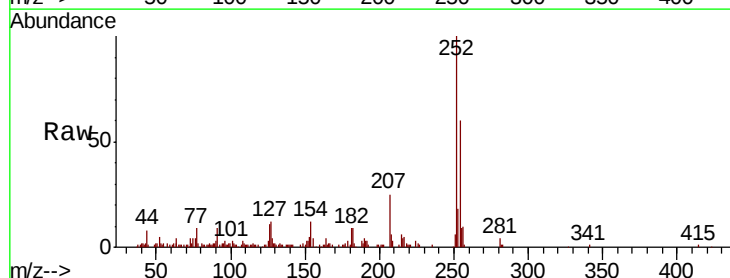
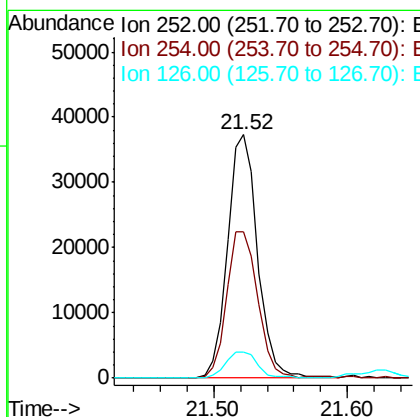
Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



#82
3,3'-Dichlorobenzidine
Concen: 3.596 ng
RT: 21.52 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
252	100		
254	60.1	52.9	79.3
126	10.8	10.4	15.6





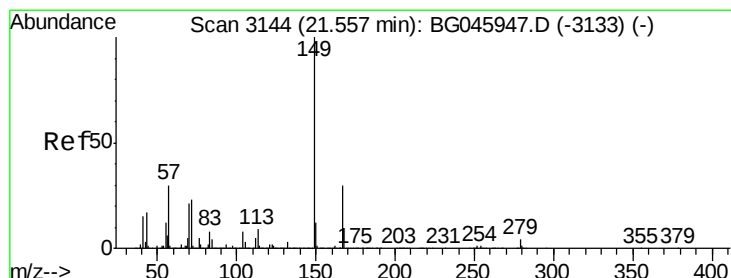
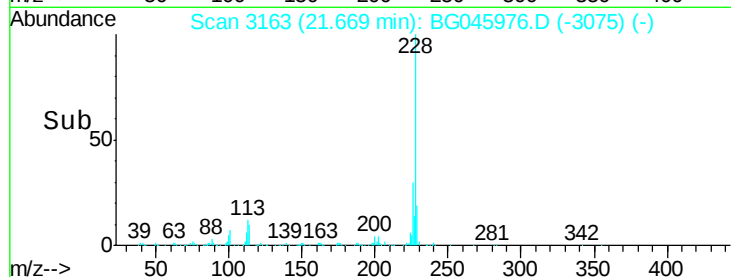
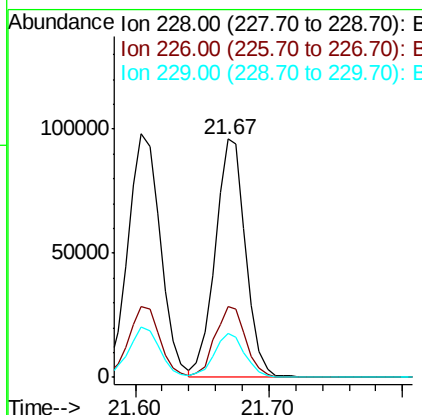
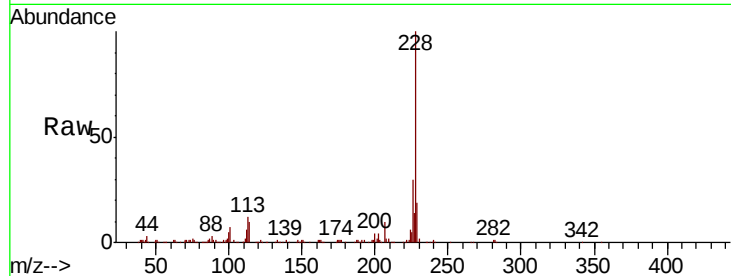
#83
Chrysene
Concen: 3.650 ng
RT: 21.67 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	26.7	40.1
229	18.6	17.3	25.9

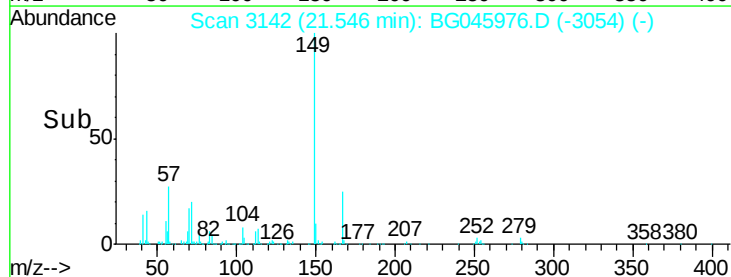
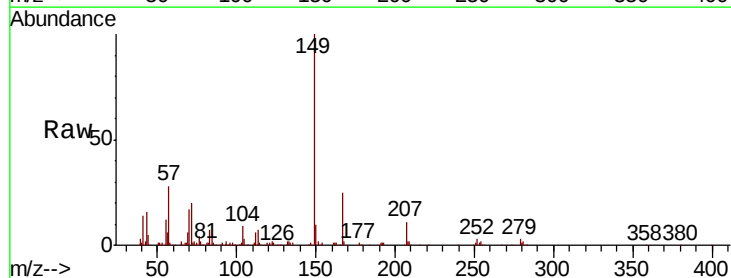
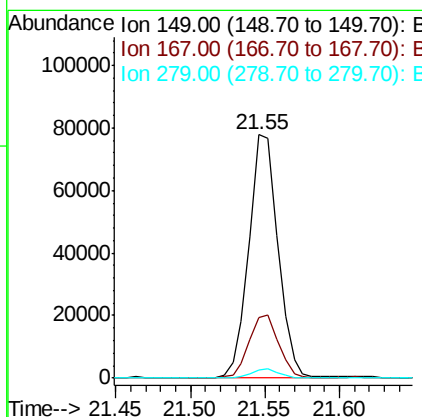
Manual Integrations
APPROVED

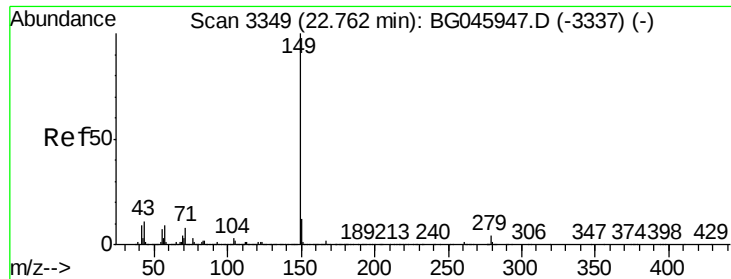
mohammad
7/10/2020 11:45:34 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.354 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.7	23.8	35.8
279	3.2	3.5	5.3#





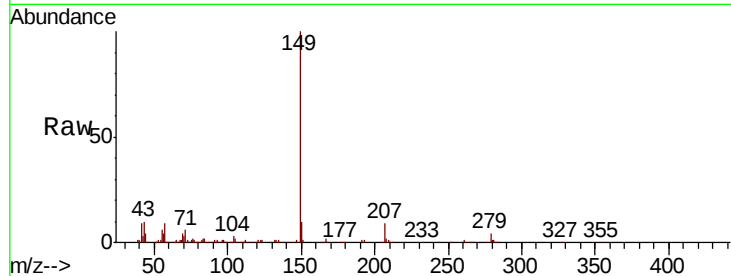
#85
Di-n-octyl phthalate
Concen: 3.110 ng
RT: 22.75 min Scan# 3347
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

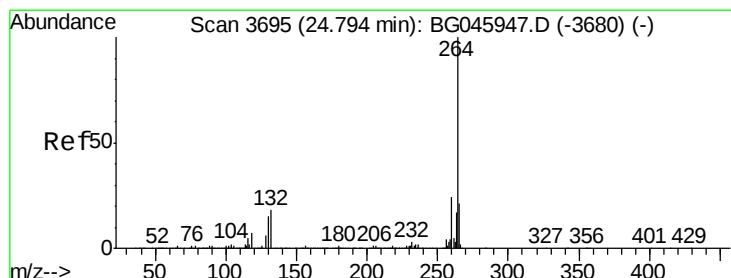
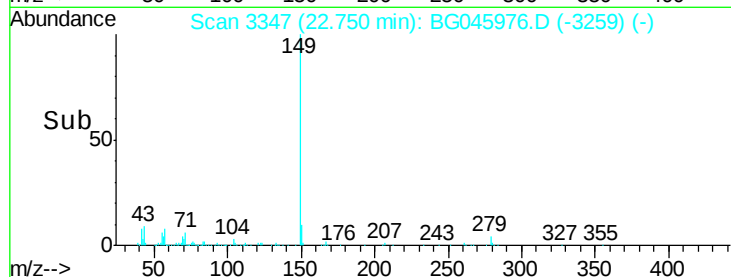
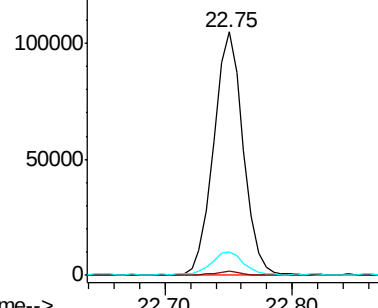
Tot Ion	Ratio	Resp	Lower	Upper
149	100	169638		
167	1.4		1.4	2.0
43	10.4		8.6	12.8

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM

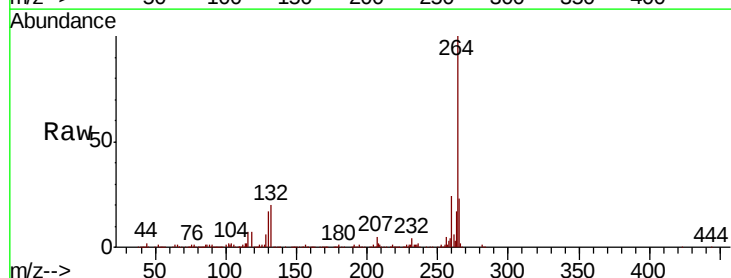


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

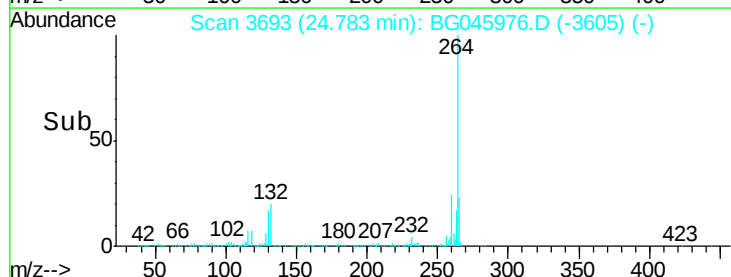
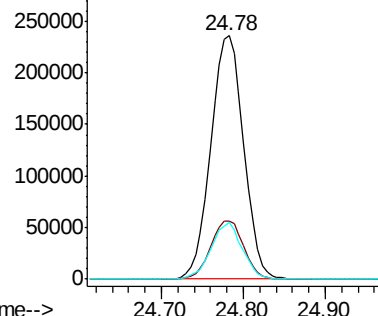


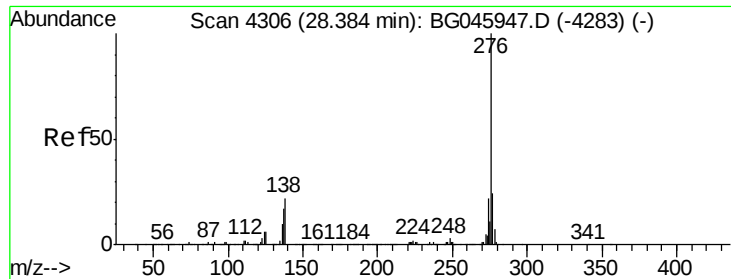
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	658631		
260	24.0		19.0	28.6
265	23.1		16.9	25.3



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





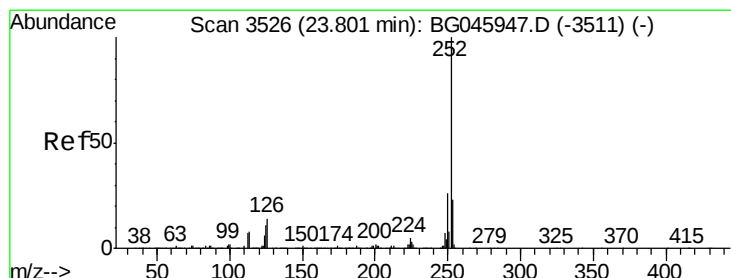
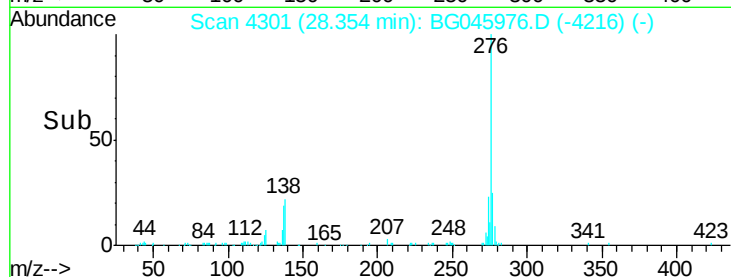
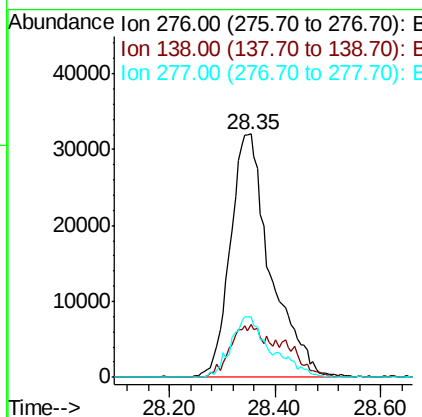
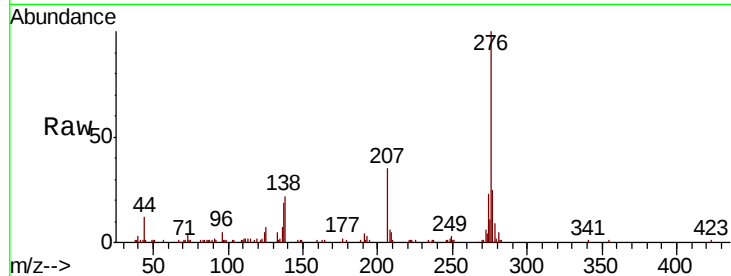
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.504 ng
 RT: 28.35 min Scan# 4301
 Delta R.T. -0.03 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.0	16.4	24.6#
277	25.3	20.6	31.0

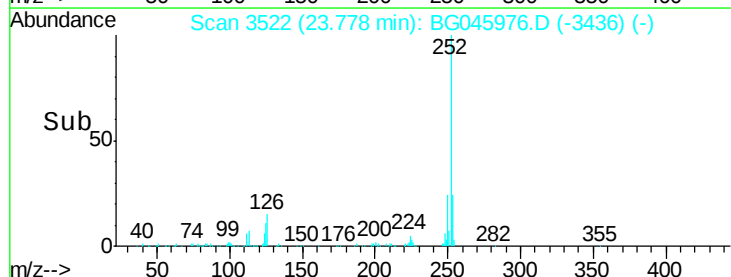
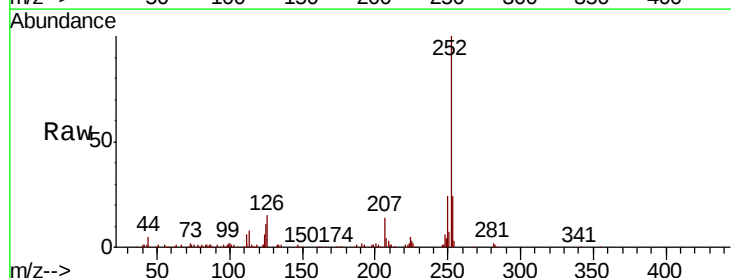
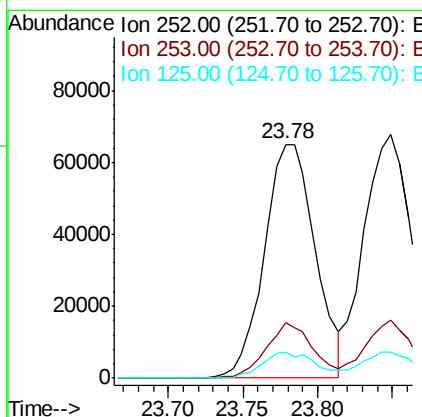
Manual Integrations
 APPROVED

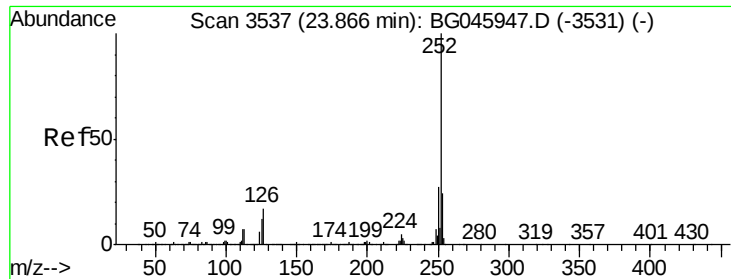
mohammad
 7/10/2020 11:45:34 AM



#88
 Benzo(b)fluoranthene
 Concen: 3.677 ng
 RT: 23.78 min Scan# 3522
 Delta R.T. -0.02 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.5	27.7
125	11.0	9.2	13.8





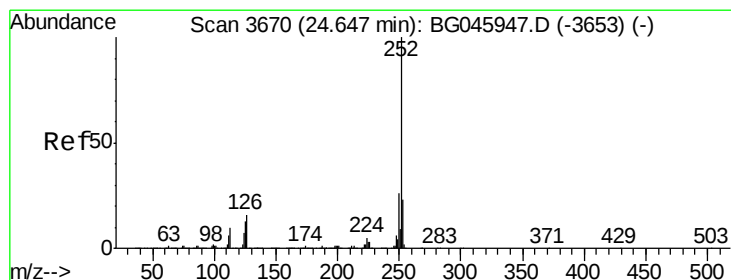
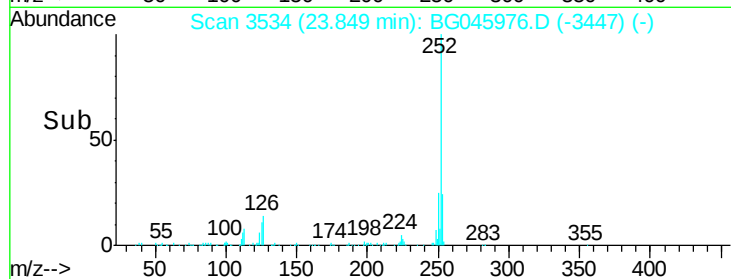
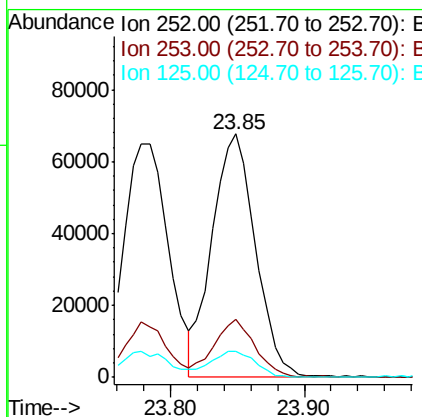
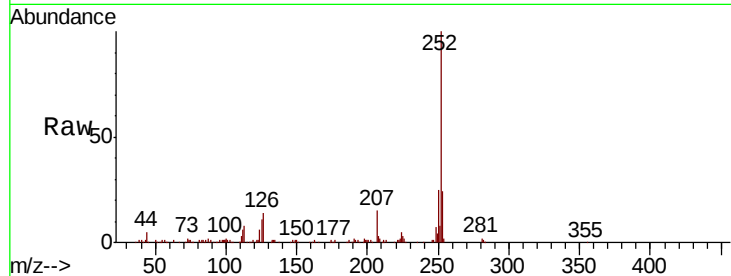
#89
Benzo(k)fluoranthene
Concen: 3.870 ng
RT: 23.85 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.9	28.3
125	10.9	9.6	14.4

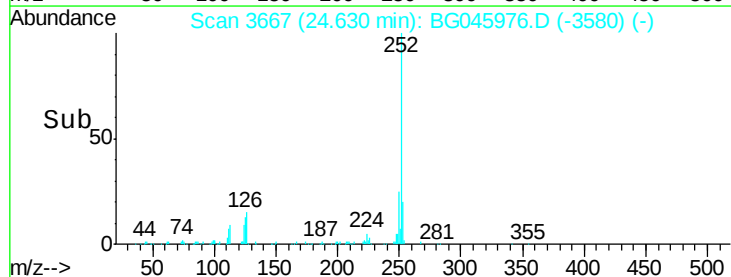
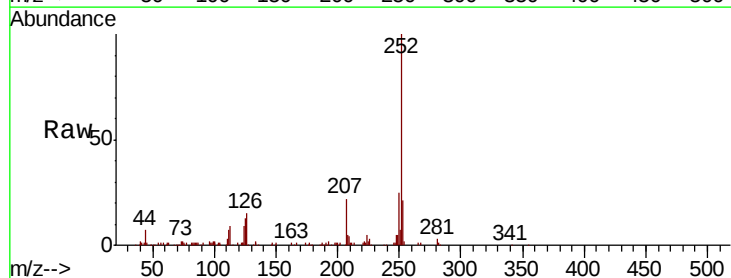
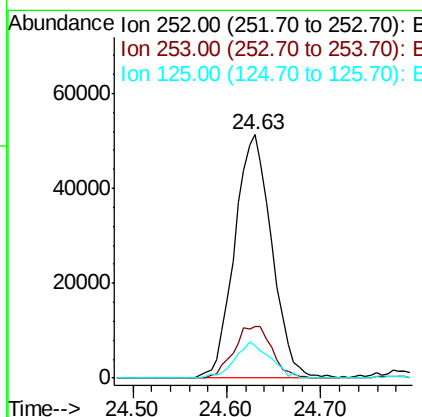
Manual Integrations
APPROVED

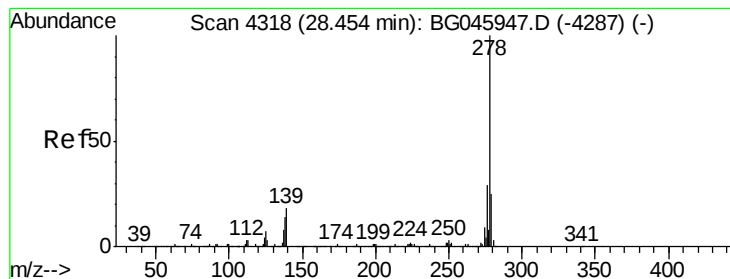
mohammad
7/10/2020 11:45:34 AM



#90
Benzo(a)pyrene
Concen: 3.579 ng
RT: 24.63 min Scan# 3667
Delta R.T. -0.02 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.6	28.0
125	13.2	10.5	15.7





#91

Dibenzo(a,h)anthracene

Concen: 3.582 ng

RT: 28.41 min Scan# 4311

Delta R.T. -0.04 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

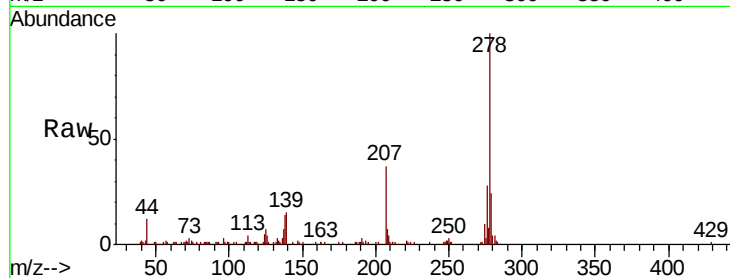
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

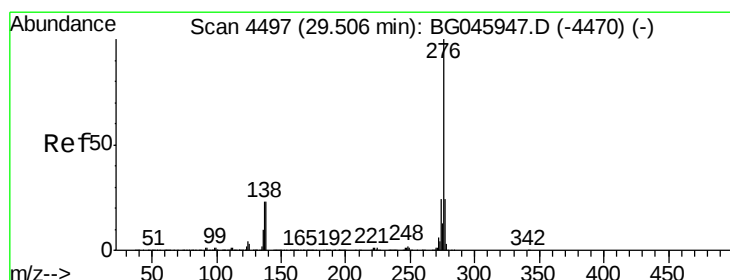
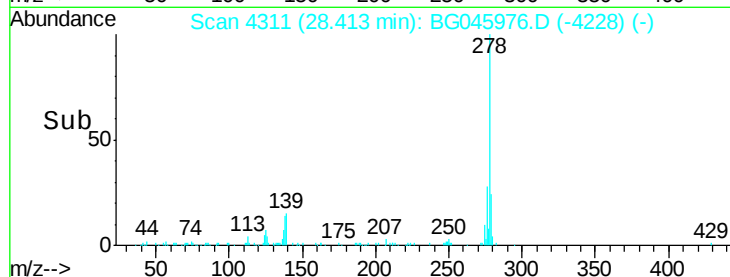
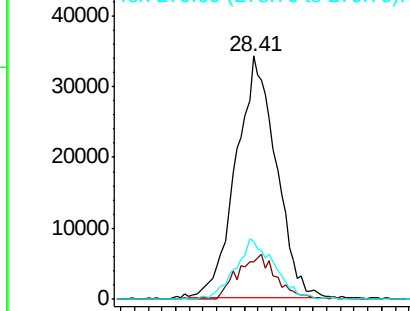
Tot Ion:	278	Resp:	139188
Ion Ratio	Lower	Upper	
278	100		
139	15.3	14.3	21.5
279	23.8	19.8	29.6

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:34 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.617 ng

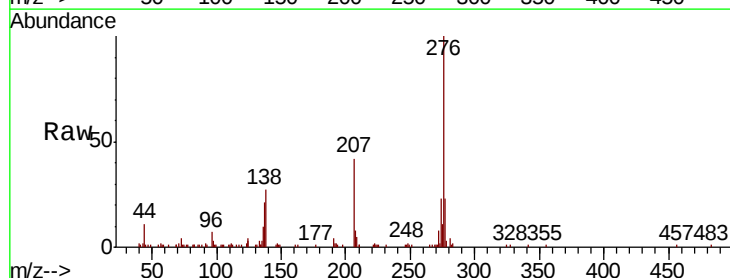
RT: 29.46 min Scan# 4489

Delta R.T. -0.05 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion:	276	Resp:	141468
Ion Ratio	Lower	Upper	
276	100		
277	23.1	19.4	29.0
138	26.5	18.6	28.0



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

