

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102720\
 Data File : BG047089.D
 Acq On : 27 Oct 2020 11:03
 Operator : CG/JU
 Sample : L4214-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
 APPROVED

mohammad
 10/28/2020 8:05:48 AM

Quant Time: Oct 27 12:47:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 27 12:36:22 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.053	152	41246	20.00	ng	0.00
21) Naphthalene-d8	10.868	136	148035	20.00	ng	# 0.00
39) Acenaphthene-d10	14.687	164	108183	20.00	ng	0.00
64) Phenanthrene-d10	17.430	188	265746	20.00	ng	# 0.00
76) Chrysene-d12	21.696	240	314260	20.00	ng	# 0.00
86) Perylene-d12	24.928	264	311772	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.615	112	377550	162.26	ng	0.00
7) Phenol-d6	7.207	99	512880	152.43	ng	0.00
23) Nitrobenzene-d5	9.217	82	368468	119.20	ng	0.00
42) 2,4,6-Tribromophenol	16.173	330	286756	165.37	ng	0.00
45) 2-Fluorobiphenyl	13.312	172	934076	122.07	ng	0.00
79) Terphenyl-d14	20.039	244	1866753	115.50	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.506	88	5303	5.04	ng	# 95
3) Pyridine	3.905	79	12607	4.42	ng	# 88
4) n-Nitrosodimethylamine	3.817	42	5795	3.83	ng	# 94
6) Aniline	7.378	93	17854	4.49	ng	# 90
8) 2-Chlorophenol	7.618	128	10255	4.15	ng	83
9) Benzaldehyde	7.189	77	11570	6.14	ng	85
10) Phenol	7.236	94	14177	4.46	ng	# 75
11) bis(2-Chloroethyl)ether	7.471	93	10508	4.20	ng	95
12) 1,3-Dichlorobenzene	7.947	146	12486	3.96	ng	# 78
13) 1,4-Dichlorobenzene	8.094	146	13882	4.36	ng	98
14) 1,2-Dichlorobenzene	8.412	146	12751m	4.23	ng	
15) Benzyl Alcohol	8.288	79	9408	3.59	ng	# 72
16) 2,2'-oxybis(1-Chloropr...	8.576	45	16060	4.06	ng	95
17) 2-Methylphenol	8.494	107	8230	3.77	ng	# 81
18) Hexachloroethane	9.152	117	5116	4.29	ng	# 64
19) n-Nitroso-di-n-propyla...	8.858	70	9495	4.14	ng	# 93
20) 3+4-Methylphenols	8.817	107	11511	3.91	ng	# 86
22) Acetophenone	8.876	105	18027	4.52	ng	# 81
24) Nitrobenzene	9.258	77	14401	4.49	ng	# 89
25) Isophorone	9.781	82	24405	4.41	ng	# 96
26) 2-Nitrophenol	9.980	139	5865	4.21	ng	# 84
27) 2,4-Dimethylphenol	10.027	122	9177	4.82	ng	# 87
28) bis(2-Chloroethoxy)met...	10.262	93	14361	4.21	ng	95
29) 2,4-Dichlorophenol	10.515	162	11022	4.21	ng	88
30) 1,2,4-Trichlorobenzene	10.727	180	13456	4.17	ng	99
31) Naphthalene	10.915	128	35610	4.60	ng	95
33) 4-Chloroaniline	11.020	127	13393	3.98	ng	# 94
34) Hexachlorobutadiene	11.197	225	10444	4.32	ng	# 80
35) Caprolactam	11.766	113	3093	3.55	ng	# 72
36) 4-Chloro-3-methylphenol	12.131	107	10724	3.95	ng	# 80
37) 2-Methylnaphthalene	12.513	142	27320	4.54	ng	92
38) 1-Methylnaphthalene	12.736	142	25866	4.54	ng	88
40) 1,2,4,5-Tetrachloroben...	12.889	216	17358	4.39	ng	96
41) Hexachlorocyclopentadiene	12.865	237	9400	4.35	ng	88
43) 2,4,6-Trichlorophenol	13.124	196	10388m	4.03	ng	
44) 2,4,5-Trichlorophenol	13.194	196	10592	4.05	ng	# 85

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102720\
 Data File : BG047089.D
 Acq On : 27 Oct 2020 11:03
 Operator : CG/JU
 Sample : L4214-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

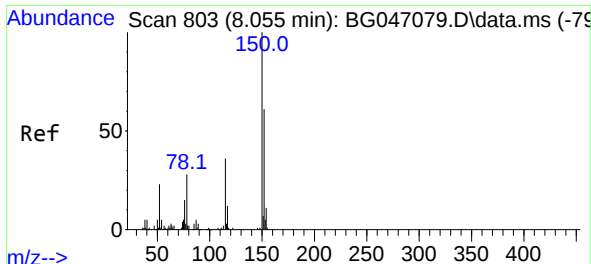
Manual Integrations
 APPROVED

mohammad
 10/28/2020 8:05:48 AM

Quant Time: Oct 27 12:47:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 27 12:36:22 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.523	154	37195	4.54	ng	91
47) 2-Chloronaphthalene	13.570	162	28402	4.21	ng	97
48) 2-Nitroaniline	13.758	65	6990	3.18	ng #	80
49) Acenaphthylene	14.410	152	43843	4.48	ng #	93
50) Dimethylphthalate	14.128	163	39107	4.39	ng #	98
51) 2,6-Dinitrotoluene	14.252	165	7862	4.23	ng #	72
52) Acenaphthene	14.745	154	28084	4.40	ng	91
53) 3-Nitroaniline	14.587	138	6786	3.67	ng	99
54) 2,4-Dinitrophenol	14.798	184	2837	2.31	ng	93
55) Dibenzofuran	15.080	168	46353	4.52	ng	94
56) 4-Nitrophenol	14.886	139	4158	2.88	ng #	78
57) 2,4-Dinitrotoluene	15.039	165	10634	3.98	ng #	79
58) Fluorene	15.732	166	37818	4.57	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.309	232	11779	4.24	ng	97
60) Diethylphthalate	15.492	149	39800	4.48	ng	96
61) 4-Chlorophenyl-phenyle...	15.721	204	21441	4.34	ng	94
62) 4-Nitroaniline	15.738	138	6677	3.37	ng #	82
63) Azobenzene	16.014	77	35316	4.48	ng	89
65) 4,6-Dinitro-2-methylph...	15.809	198	5674	3.47	ng	91
66) n-Nitrosodiphenylamine	15.932	169	34375	4.51	ng	93
67) 4-Bromophenyl-phenylether	16.614	248	15023	4.30	ng #	92
68) Hexachlorobenzene	16.737	284	14826	4.02	ng	91
69) Atrazine	16.878	200	12759	4.07	ng	90
70) Pentachlorophenol	17.084	266	6701	3.12	ng	89
71) Phenanthrene	17.472	178	65901	4.64	ng	98
72) Anthracene	17.566	178	63807	4.59	ng	96
73) Carbazole	17.830	167	56448	4.56	ng	97
74) Di-n-butylphthalate	18.382	149	68519	4.48	ng #	98
75) Fluoranthene	19.475	202	85226	4.67	ng	94
77) Benzidine	19.657	184	27574	3.84	ng	98
78) Pyrene	19.839	202	88682m	4.43	ng	
80) Butylbenzylphthalate	20.715	149	28437	3.70	ng	92
81) Benzo(a)anthracene	21.678	228	93588	4.55	ng	94
82) 3,3'-Dichlorobenzidine	21.590	252	31808	4.26	ng	95
83) Chrysene	21.743	228	90726	4.63	ng	98
84) Bis(2-ethylhexyl)phtha...	21.578	149	42501	3.93	ng	94
85) Di-n-octyl phthalate	22.789	149	71476	3.93	ng #	92
87) Indeno(1,2,3-cd)pyrene	28.594	276	97564	4.29	ng #	86
88) Benzo(b)fluoranthene	23.899	252	86752	4.26	ng #	91
89) Benzo(k)fluoranthene	23.964	252	87433	4.42	ng #	93
90) Benzo(a)pyrene	24.769	252	77930	4.09	ng #	95
91) Dibenzo(a,h)anthracene	28.670	278	77633	4.20	ng #	92
92) Benzo(g,h,i)perylene	29.751	276	78415	4.27	ng #	93

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



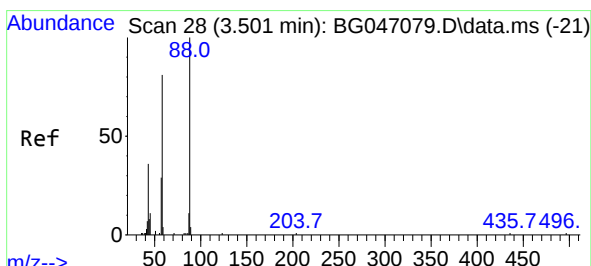
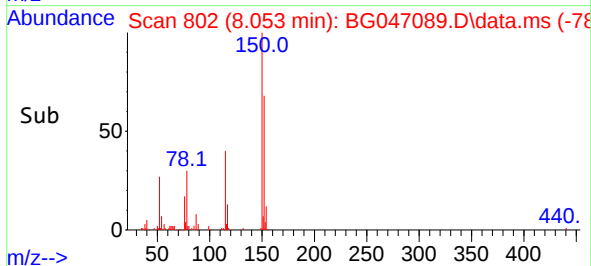
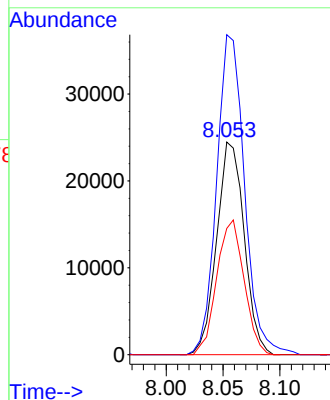
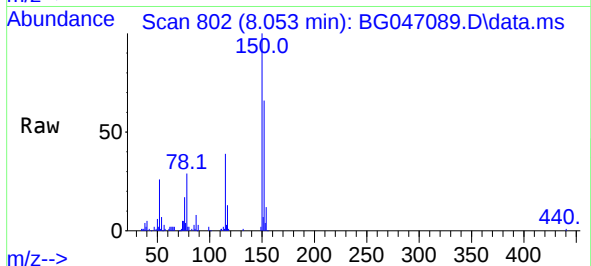
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.053 min Scan# 802
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:	152	Resp:	41246
Ion	Ratio	Lower	Upper
152	100		
150	150.4	125.0	187.6
115	59.3	41.8	62.6

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

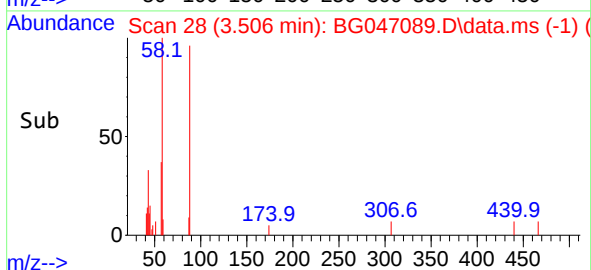
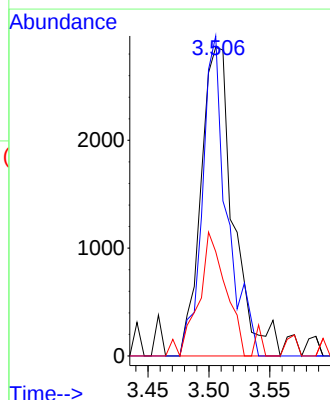
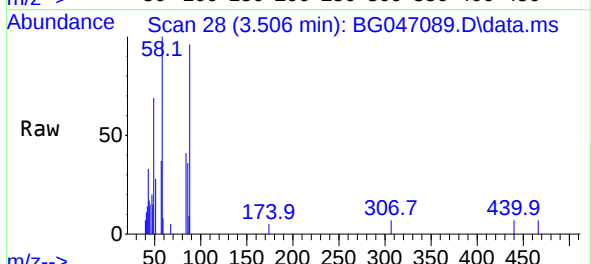
Manual Integrations
APPROVED

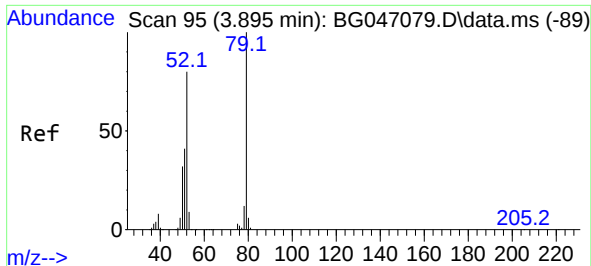
mohammad
10/28/2020 8:05:48 AM



#2
1,4-Dioxane
Concen: 5.04 ng
RT: 3.506 min Scan# 28
Delta R.T. 0.004 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:	88	Resp:	5303
Ion	Ratio	Lower	Upper
88	100		
58	78.1	61.6	92.4
43	33.8	21.3	31.9





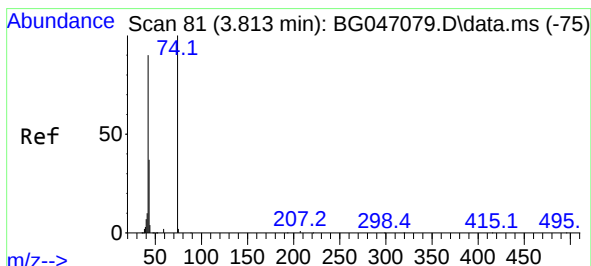
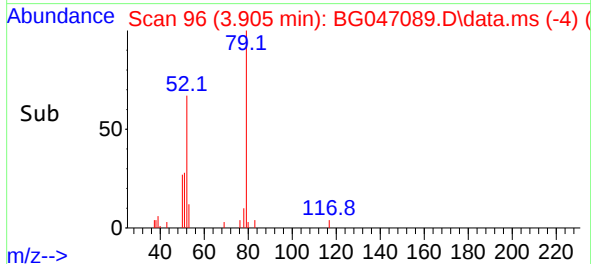
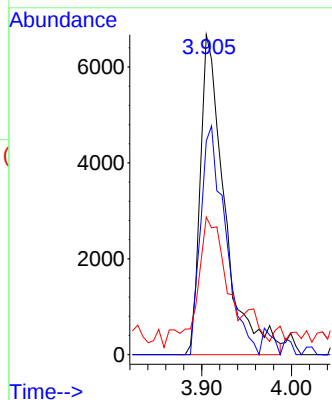
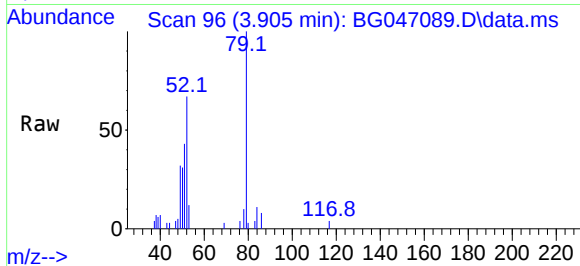
#3
Pyridine
Concen: 4.42 ng
RT: 3.905 min Scan# 96
Delta R.T. 0.010 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 79 Resp: 12607
Ion Ratio Lower Upper
79 100
52 66.8 61.3 91.9
51 43.0 28.4 42.6#

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

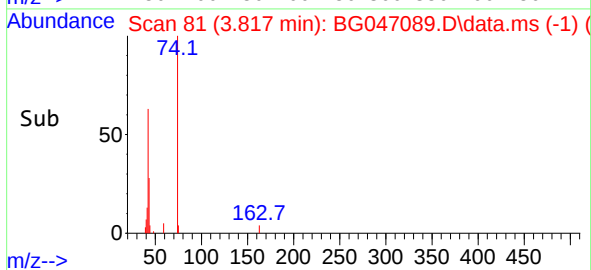
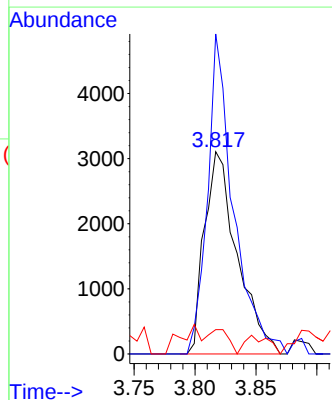
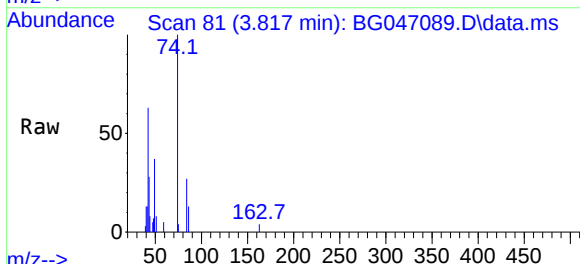
Manual Integrations
APPROVED

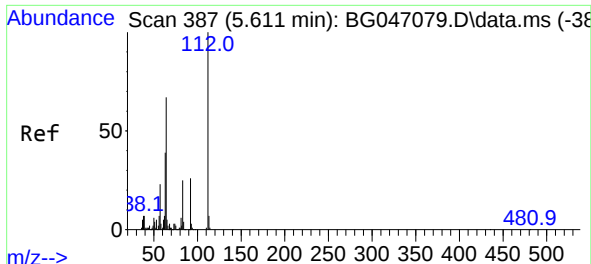
mohammad
10/28/2020 8:05:48 AM



#4
n-Nitrosodimethylamine
Concen: 3.83 ng
RT: 3.817 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 42 Resp: 5795
Ion Ratio Lower Upper
42 100
74 158.2 120.4 180.6
44 12.0 6.2 9.2#





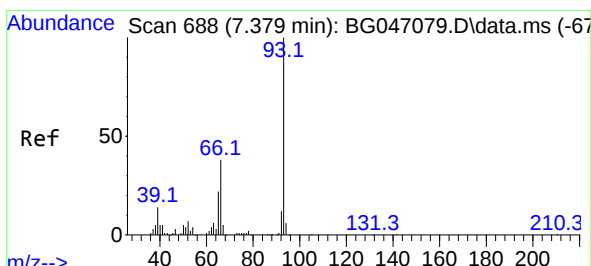
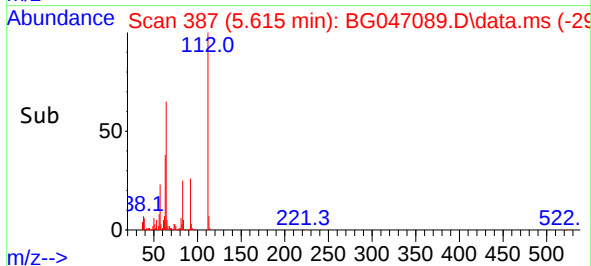
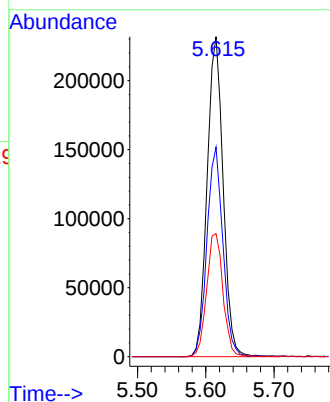
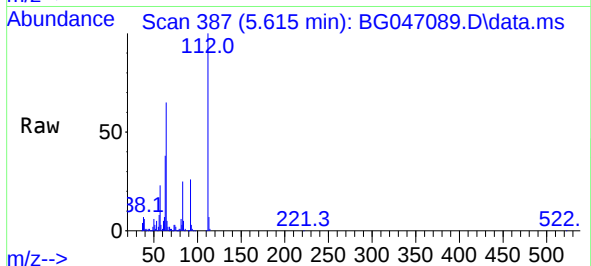
#5
2-Fluorophenol
Concen: 162.26 ng
RT: 5.615 min Scan# 387
Delta R.T. 0.004 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 112 Resp: 377550
Ion Ratio Lower Upper
112 100
64 65.5 46.7 70.1
63 38.4 22.8 34.2#

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

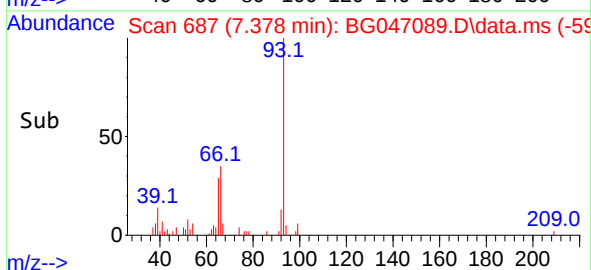
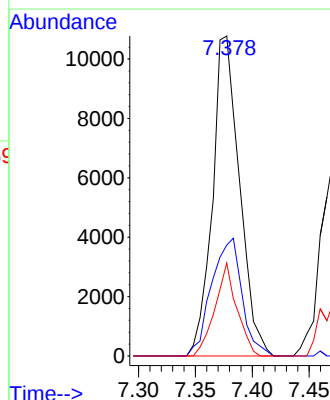
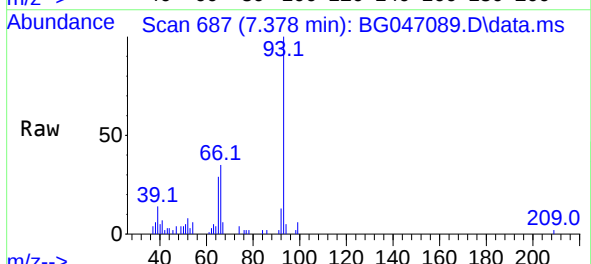
Manual Integrations
APPROVED

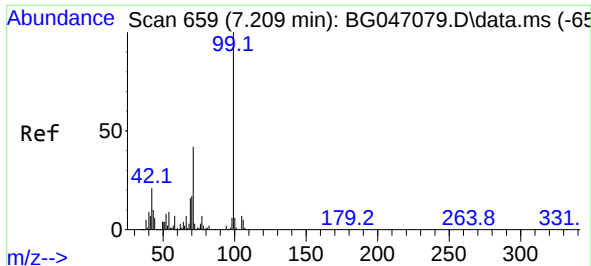
mohammad
10/28/2020 8:05:48 AM



#6
Aniline
Concen: 4.49 ng
RT: 7.378 min Scan# 687
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 93 Resp: 17854
Ion Ratio Lower Upper
93 100
66 34.6 29.5 44.3
65 29.1 15.5 23.3#





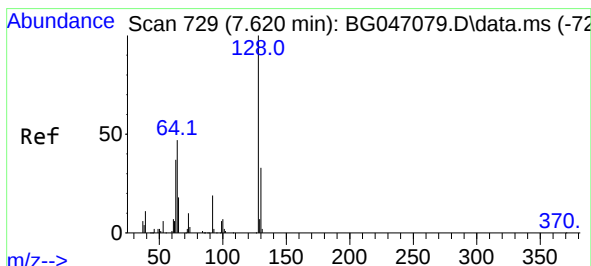
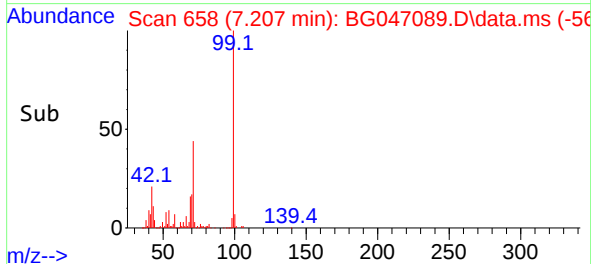
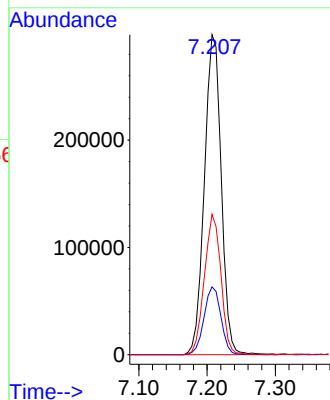
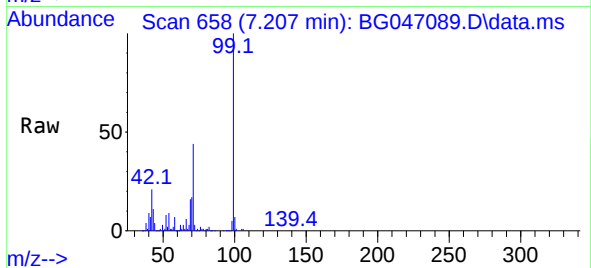
#7
Phenol-d6
Concen: 152.43 ng
RT: 7.207 min Scan# 658
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 99 Resp: 512880
Ion Ratio Lower Upper
99 100
42 21.2 12.8 19.2#
71 43.8 24.6 36.8#

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

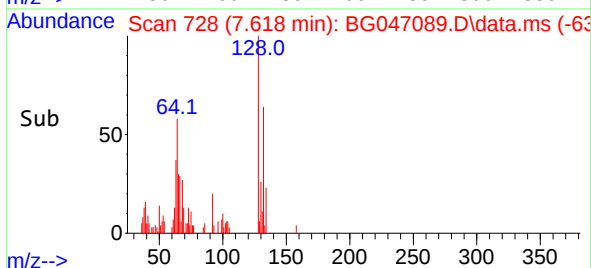
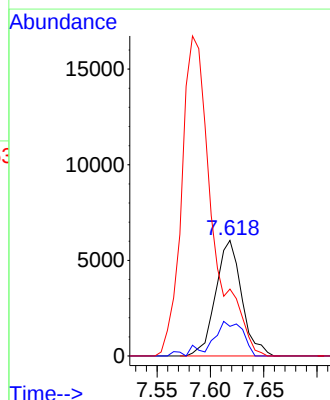
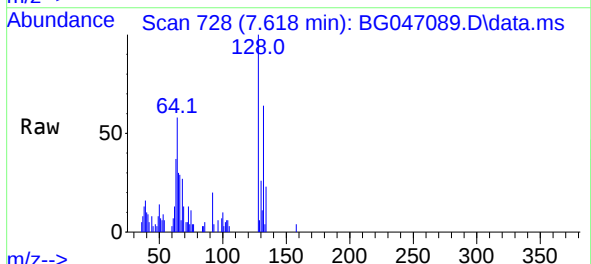
Manual Integrations
APPROVED

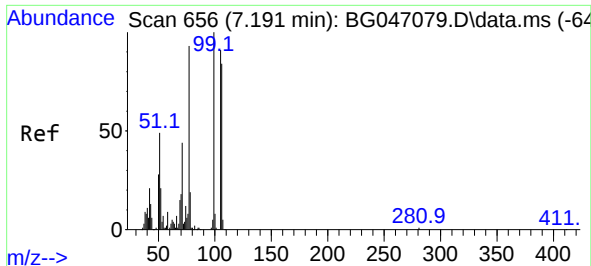
mohammad
10/28/2020 8:05:48 AM



#8
2-Chlorophenol
Concen: 4.15 ng
RT: 7.618 min Scan# 728
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 128 Resp: 10255
Ion Ratio Lower Upper
128 100
130 25.6 12.6 52.6
64 57.8 24.8 64.8





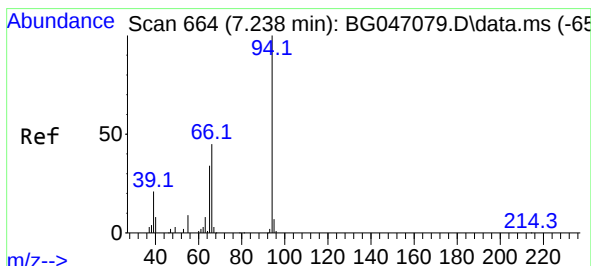
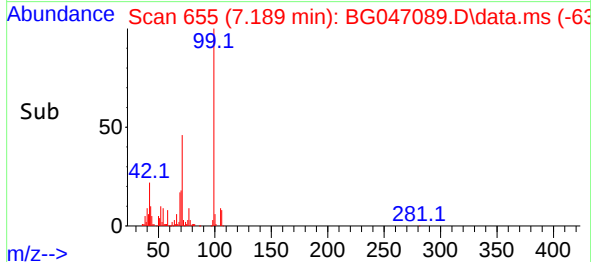
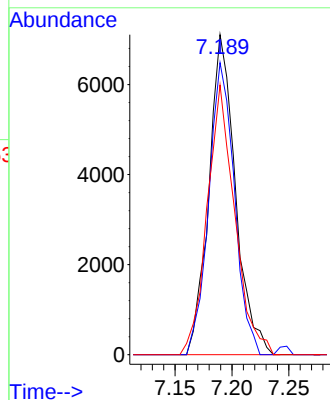
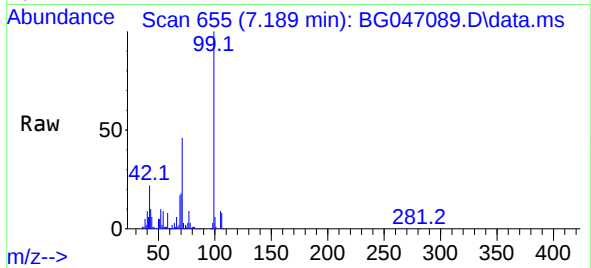
#9
Benzaldehyde
Concen: 6.14 ng
RT: 7.189 min Scan# 655
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 77 Resp: 11570
Ion Ratio Lower Upper
77 100
105 91.2 85.9 125.9
106 84.3 80.9 120.9

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

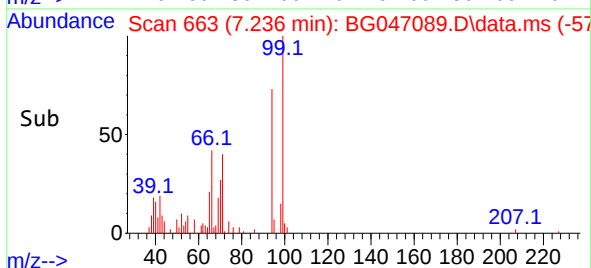
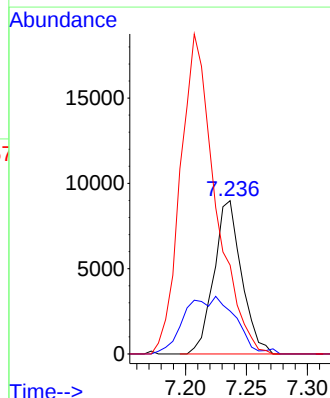
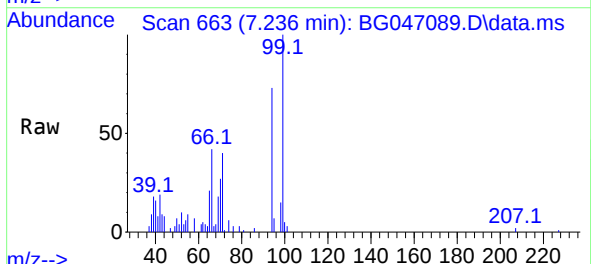
Manual Integrations
APPROVED

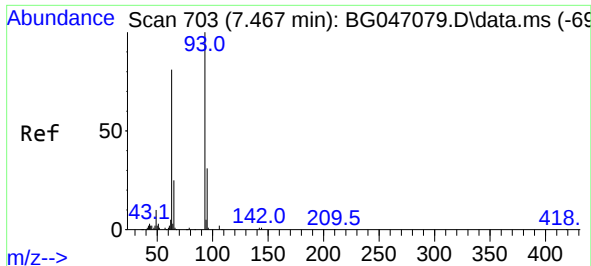
mohammad
10/28/2020 8:05:48 AM



#10
Phenol
Concen: 4.46 ng
RT: 7.236 min Scan# 663
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

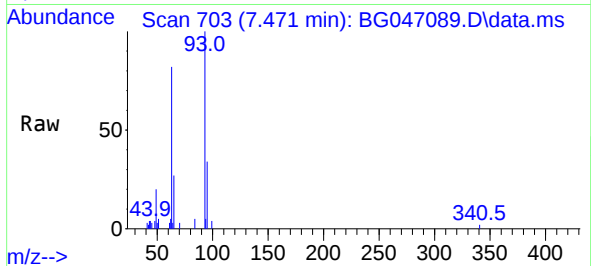
Tgt Ion: 94 Resp: 14177
Ion Ratio Lower Upper
94 100
65 28.0 6.6 46.6
66 57.9 13.9 53.9#





#11
bis(2-Chloroethyl)ether
Concen: 4.20 ng
RT: 7.471 min Scan# 703
Delta R.T. 0.004 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

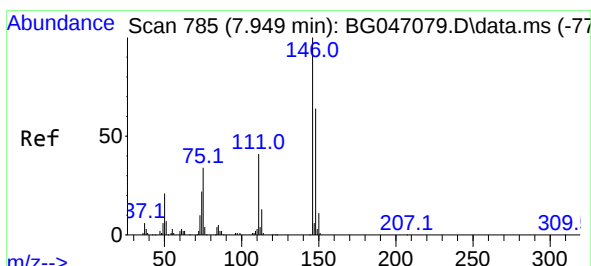
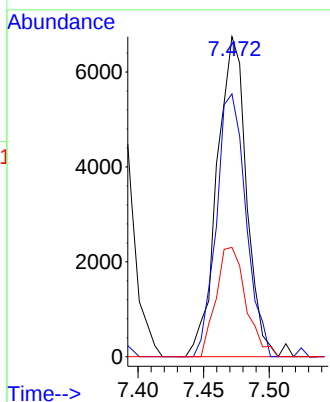
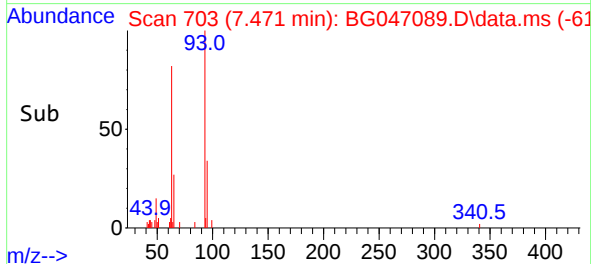
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



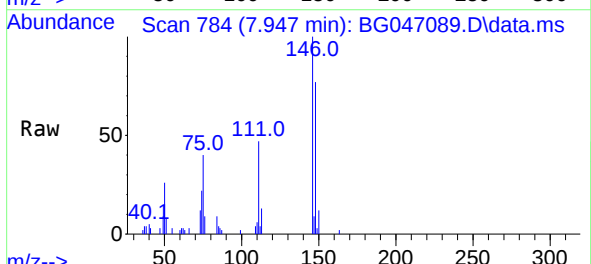
Tgt Ion: 93 Resp: 10508
Ion Ratio Lower Upper
93 100
63 82.1 56.4 96.4
95 34.1 13.8 53.8

Manual Integrations
APPROVED

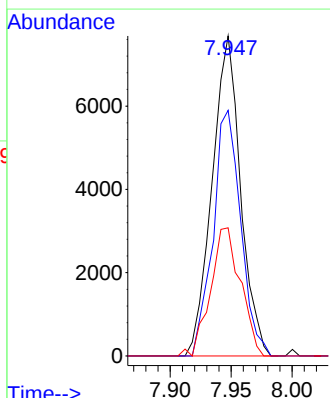
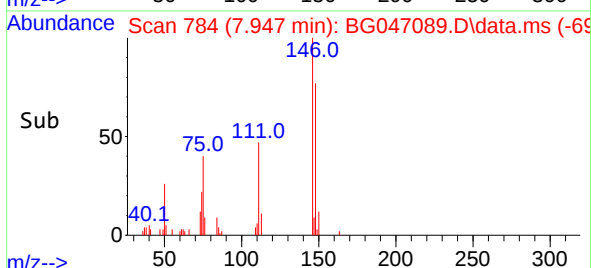
mohammad
10/28/2020 8:05:48 AM

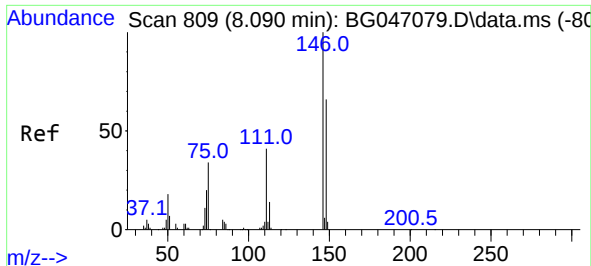


#12
1,3-Dichlorobenzene
Concen: 3.96 ng
RT: 7.947 min Scan# 784
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



Tgt Ion: 146 Resp: 12486
Ion Ratio Lower Upper
146 100
148 76.7 50.1 75.1#
75 40.1 20.1 30.1#





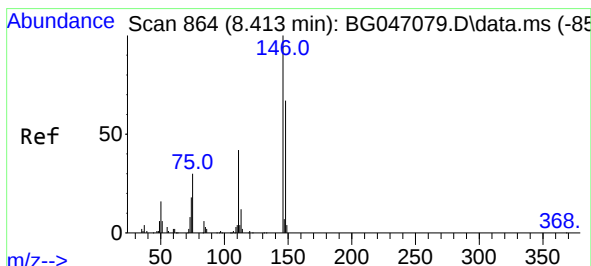
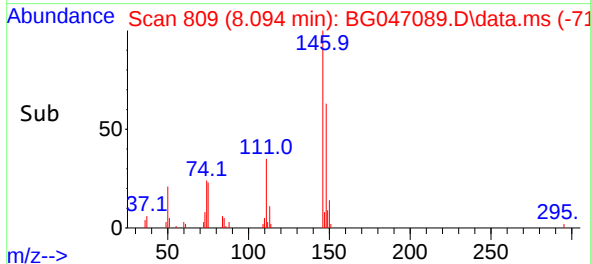
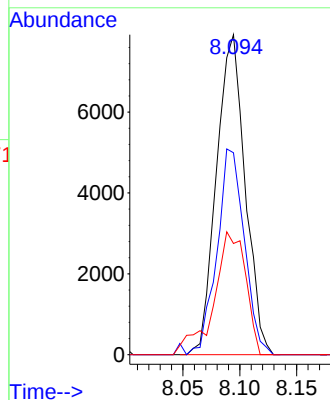
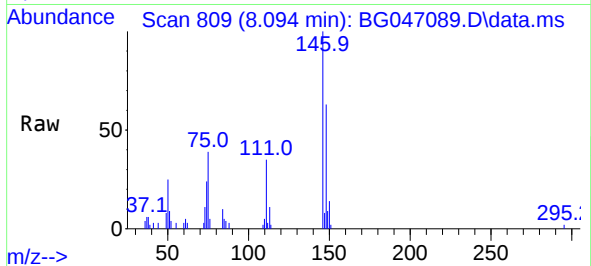
#13
1,4-Dichlorobenzene
Concen: 4.36 ng
RT: 8.094 min Scan# 809
Delta R.T. 0.004 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:	146	Resp:	13882
Ion Ratio	Lower	Upper	
146	100		
148	63.1	51.1	76.7
111	34.7	29.7	44.5

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

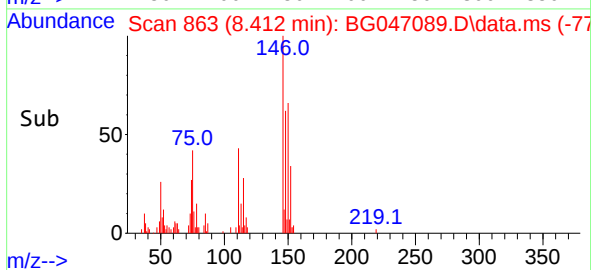
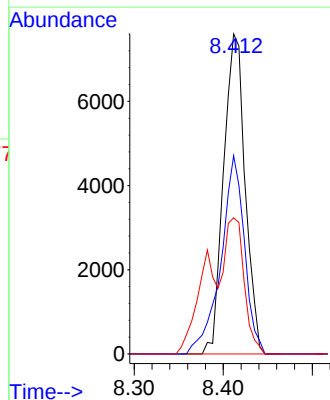
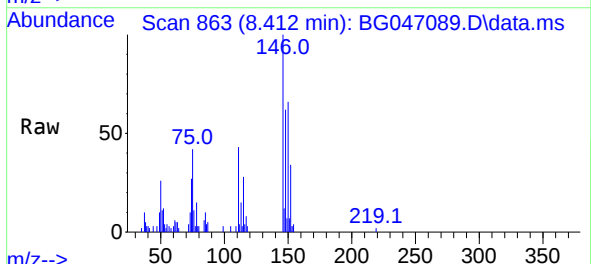
Manual Integrations
APPROVED

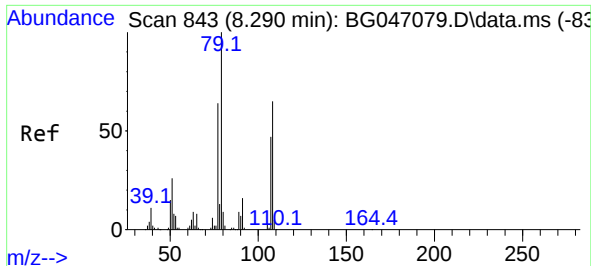
mohammad
10/28/2020 8:05:48 AM



#14
1,2-Dichlorobenzene
Concen: 4.23 ng m
RT: 8.412 min Scan# 863
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:	146	Resp:	12751
Ion Ratio	Lower	Upper	
146	100		
148	61.9	53.0	79.6
111	42.6	30.7	46.1





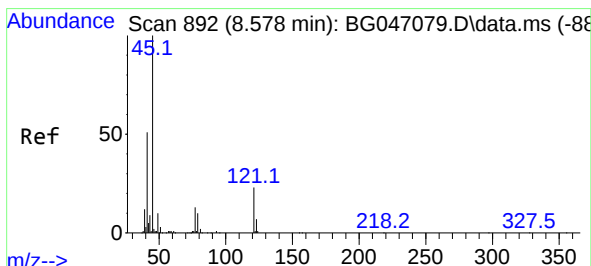
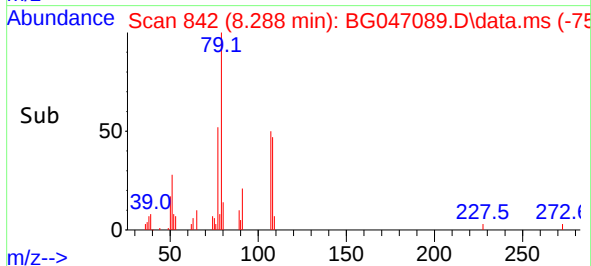
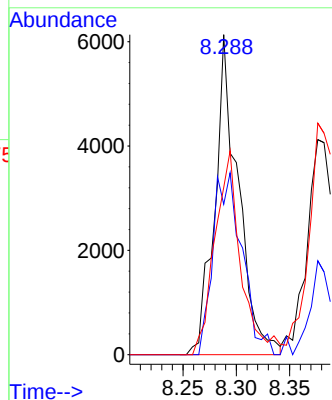
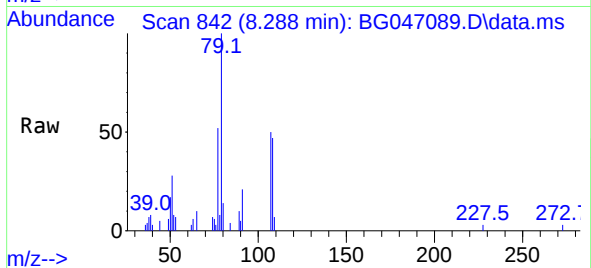
#15
Benzyl Alcohol
Concen: 3.59 ng
RT: 8.288 min Scan# 842
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 79 Resp: 9408
Ion Ratio Lower Upper
79 100
108 47.0 65.5 98.3#
77 52.3 50.1 75.1

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

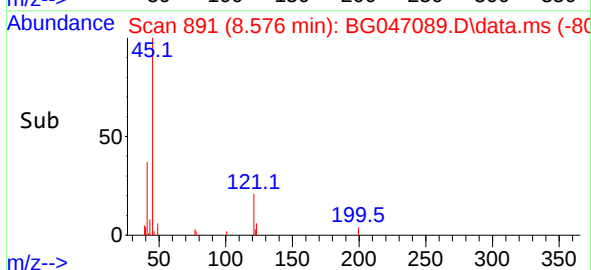
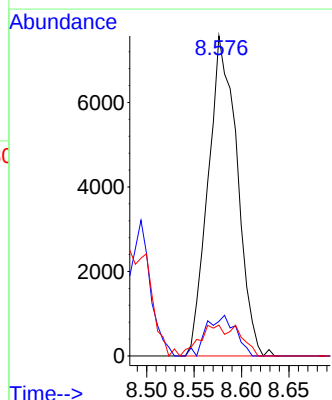
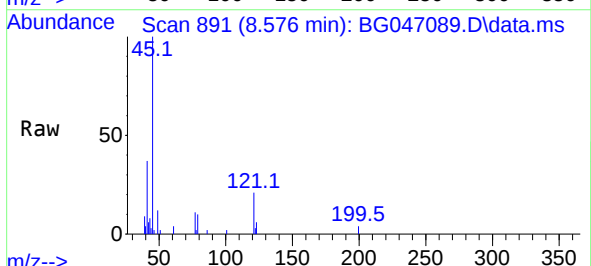
Manual Integrations
APPROVED

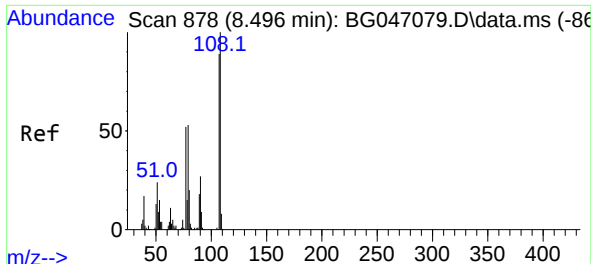
mohammad
10/28/2020 8:05:48 AM



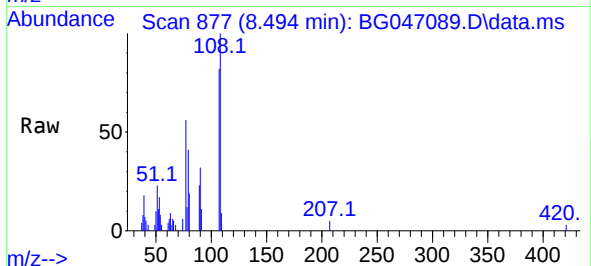
#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.06 ng
RT: 8.576 min Scan# 891
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 45 Resp: 16060
Ion Ratio Lower Upper
45 100
77 10.8 0.0 33.4
79 9.7 0.0 30.8

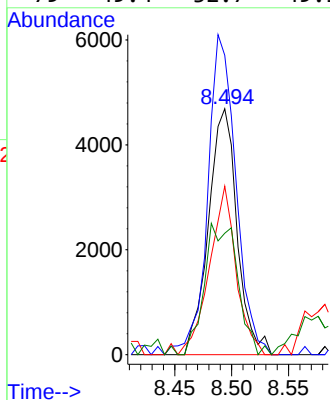




#17
2-Methylphenol
Concen: 3.77 ng
RT: 8.494 min Scan# 877
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



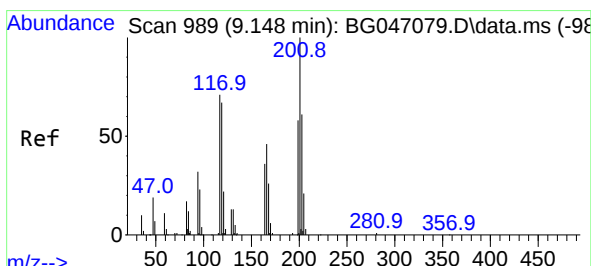
Tgt Ion:	107	Resp:	8230
Ion	Ratio	Lower	Upper
107	100		
108	121.8	87.2	130.8
77	68.5	33.8	50.8#
79	49.4	32.7	49.1#



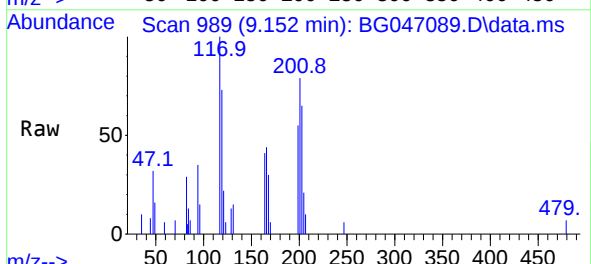
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

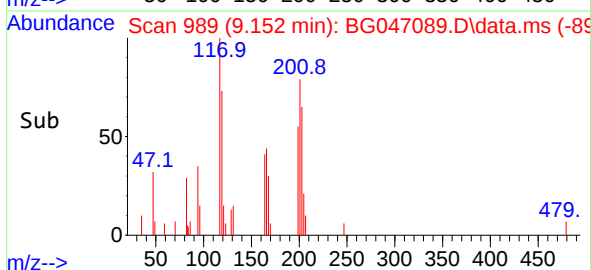
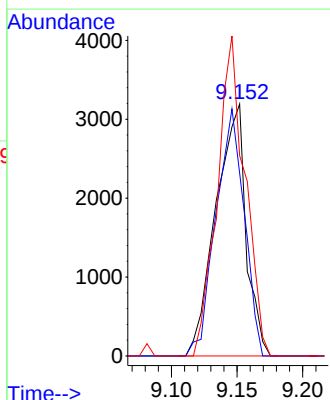
mohammad
10/28/2020 8:05:48 AM

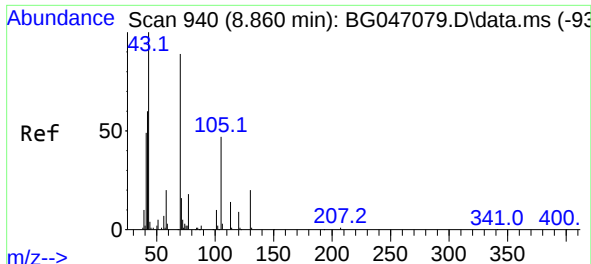


#18
Hexachloroethane
Concen: 4.29 ng
RT: 9.152 min Scan# 989
Delta R.T. 0.004 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



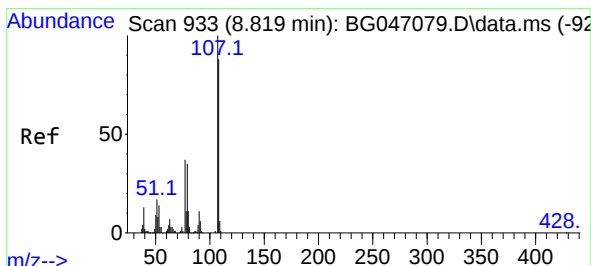
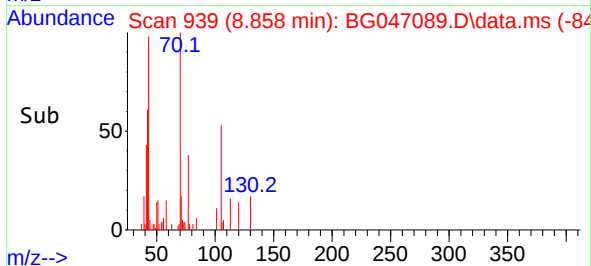
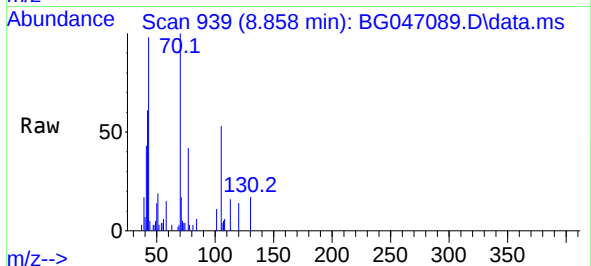
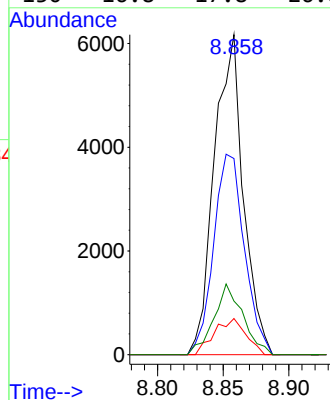
Tgt Ion:	117	Resp:	5116
Ion	Ratio	Lower	Upper
117	100		
119	72.5	77.5	116.3#
201	79.5	104.9	157.3#





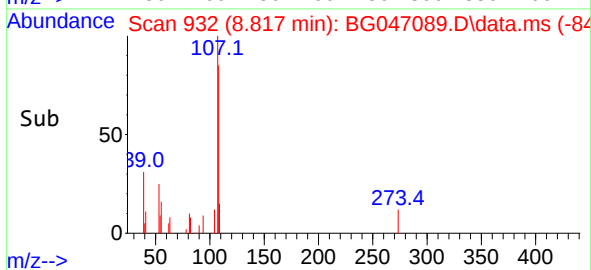
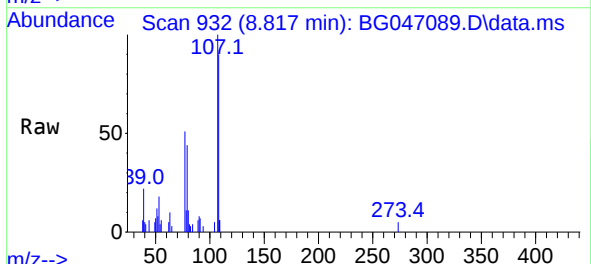
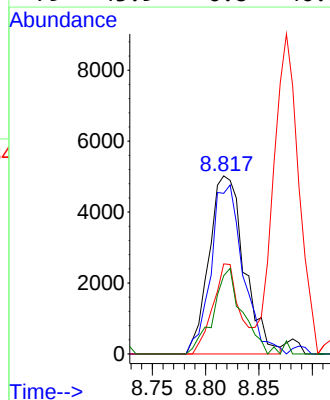
#19
n-Nitroso-di-n-propylamine
Concen: 4.14 ng
RT: 8.858 min Scan# 939
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:	70	Resp:	9495
Ion	Ratio	Lower	Upper
70	100		
42	61.3	45.6	68.4
101	11.3	8.4	12.6
130	16.8	17.8	26.8#



#20
3+4-Methylphenols
Concen: 3.91 ng
RT: 8.817 min Scan# 932
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

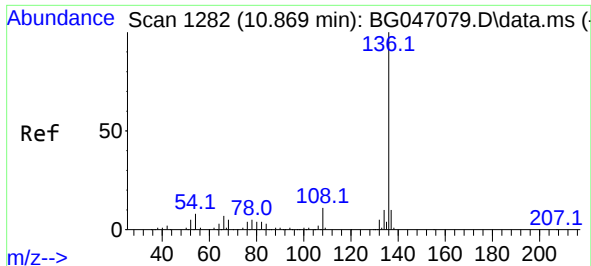
Tgt Ion:	107	Resp:	11511
Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.6	110.6
77	50.6	10.2	50.2#
79	43.9	6.8	46.8



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

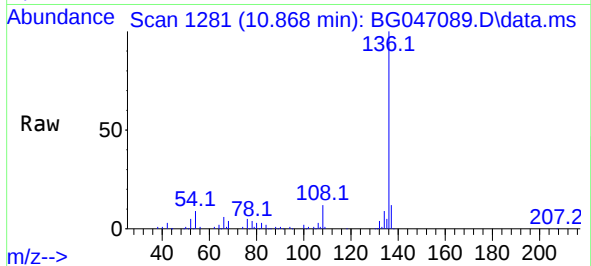
Manual Integrations
APPROVED

mohammad
10/28/2020 8:05:48 AM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.868 min Scan# 1281
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

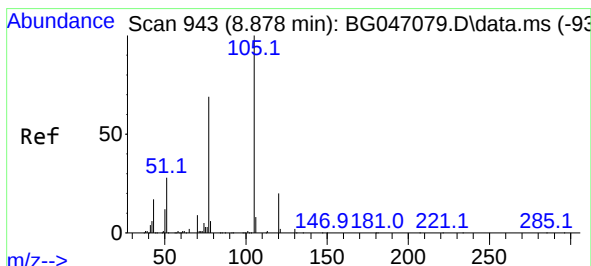
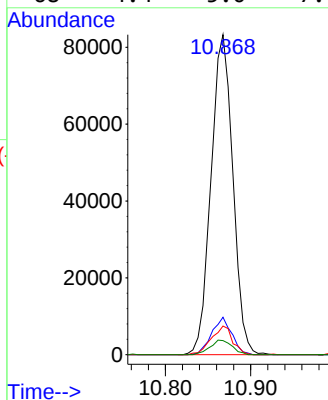
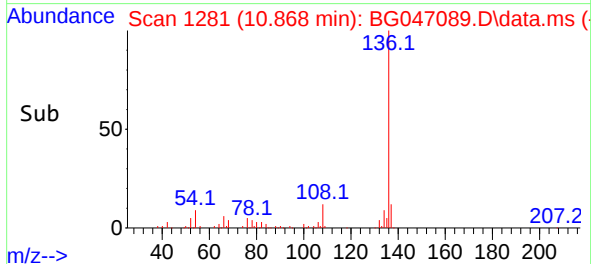
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



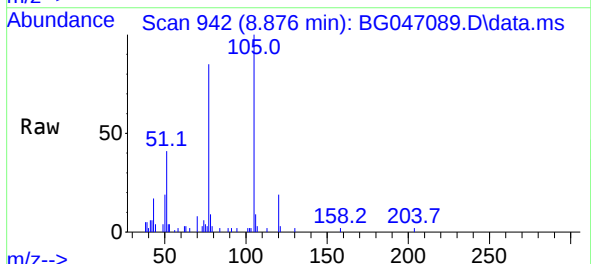
Tgt Ion:	136	Resp:	148035
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	9.0	6.2	9.4
68	4.4	5.0	7.4#

Manual Integrations
APPROVED

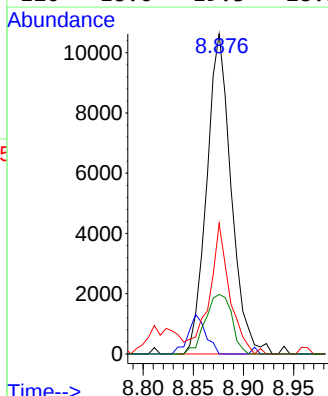
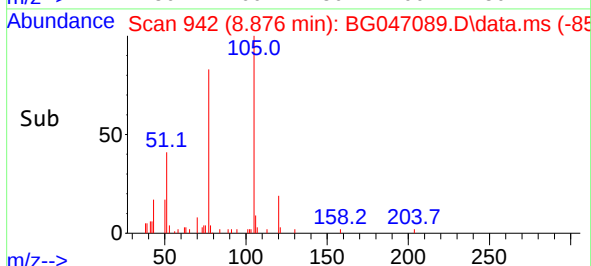
mohammad
10/28/2020 8:05:48 AM

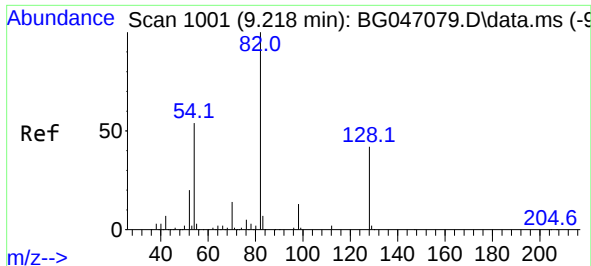


#22
Acetophenone
Concen: 4.52 ng
RT: 8.876 min Scan# 942
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



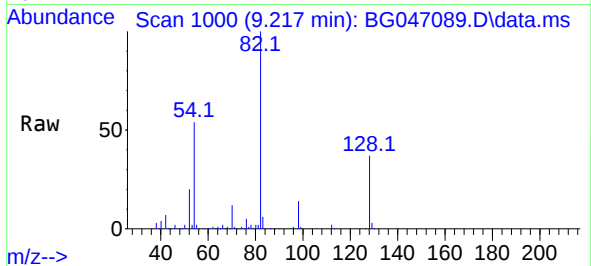
Tgt Ion:	105	Resp:	18027
Ion	Ratio	Lower	Upper
105	100		
71	0.0	2.7	4.1#
51	40.8	21.0	31.6#
120	18.6	19.3	28.9#





#23
Nitrobenzene-d5
Concen: 119.20 ng
RT: 9.217 min Scan# 1000
Delta R.T. -0.001 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

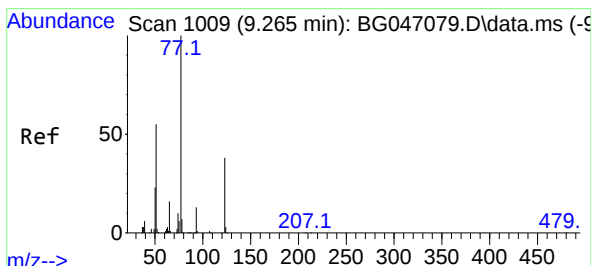
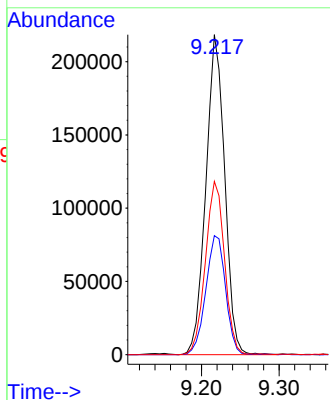
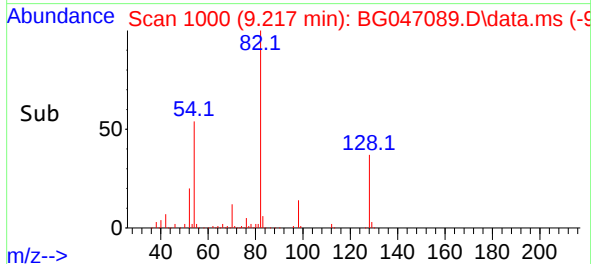
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



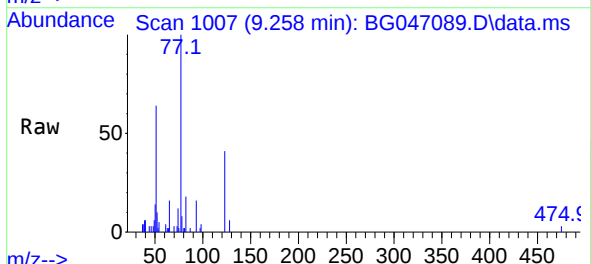
Tgt Ion: 82 Resp: 368468
Ion Ratio Lower Upper
82 100
128 37.2 37.0 55.6
54 54.2 39.0 58.4

Manual Integrations
APPROVED

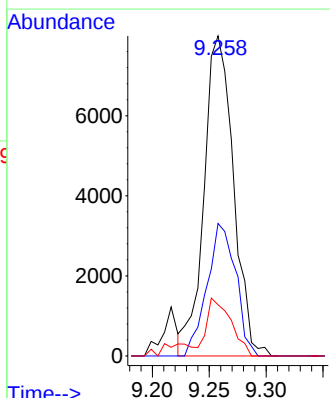
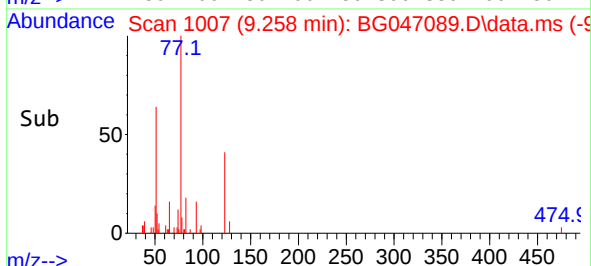
mohammad
10/28/2020 8:05:48 AM

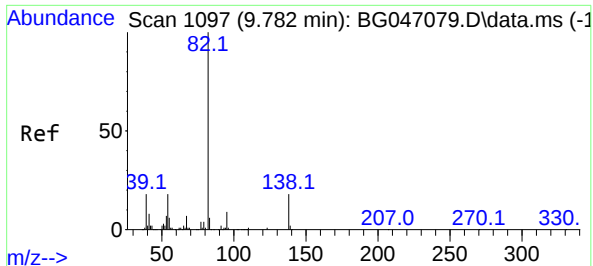


#24
Nitrobenzene
Concen: 4.49 ng
RT: 9.258 min Scan# 1007
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



Tgt Ion: 77 Resp: 14401
Ion Ratio Lower Upper
77 100
123 41.4 39.7 59.5
65 16.0 10.4 15.6#





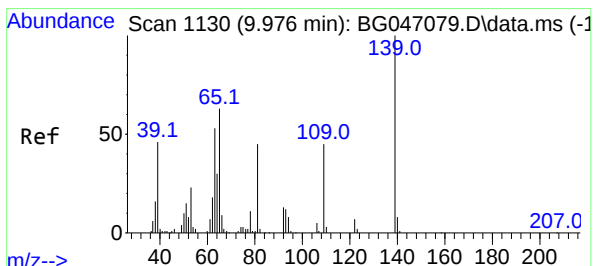
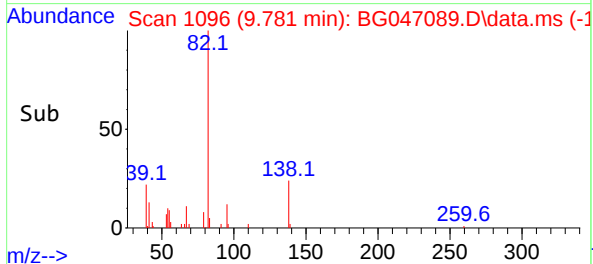
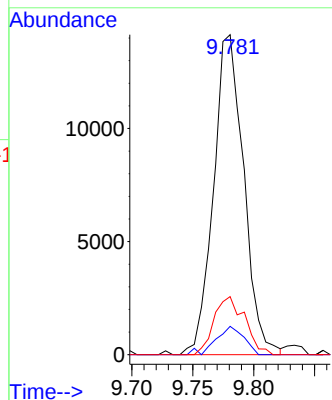
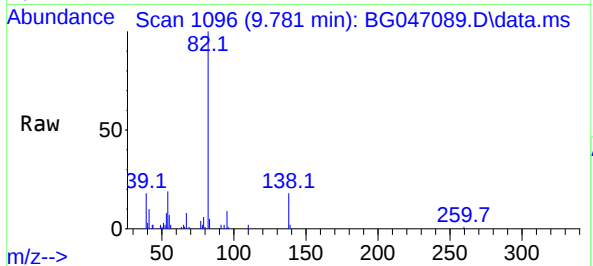
#25
Isophorone
Concen: 4.41 ng
RT: 9.781 min Scan# 1096
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 82 Resp: 24405
Ion Ratio Lower Upper
82 100
95 8.9 5.6 8.4#
138 18.2 15.8 23.6

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

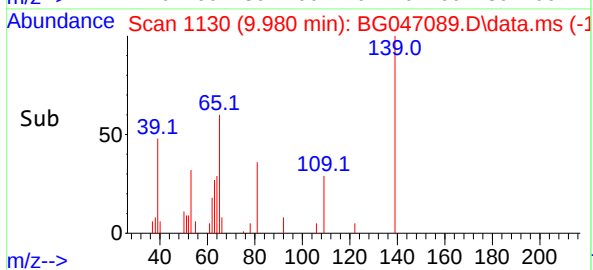
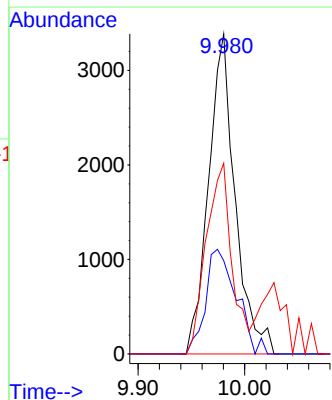
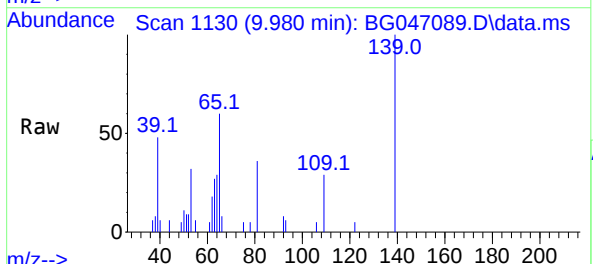
Manual Integrations
APPROVED

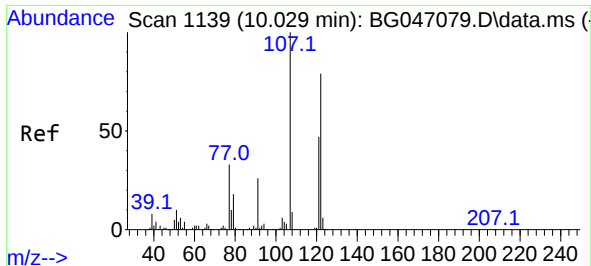
mohammad
10/28/2020 8:05:48 AM



#26
2-Nitrophenol
Concen: 4.21 ng
RT: 9.980 min Scan# 1130
Delta R.T. 0.004 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 139 Resp: 5865
Ion Ratio Lower Upper
139 100
109 29.1 20.7 31.1
65 59.6 36.1 54.1#





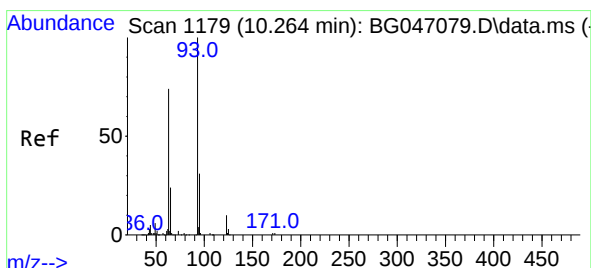
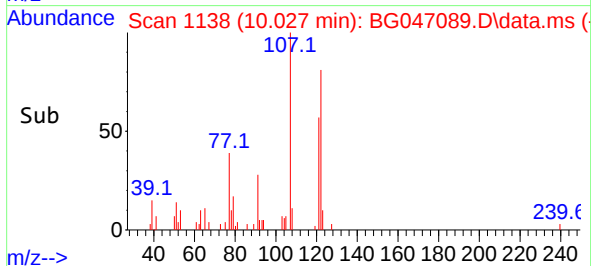
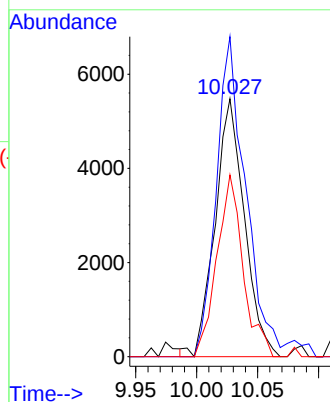
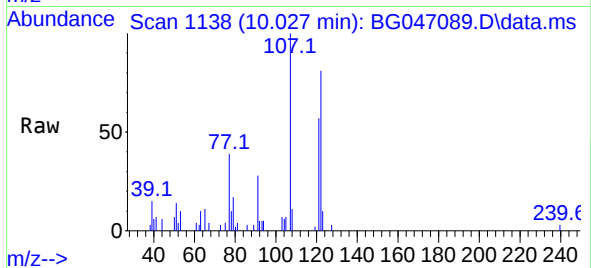
#27
2,4-Dimethylphenol
Concen: 4.82 ng
RT: 10.027 min Scan# 1138
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 122 Resp: 9177
Ion Ratio Lower Upper
122 100
107 124.1 89.2 133.8
121 70.5 46.9 70.3#

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

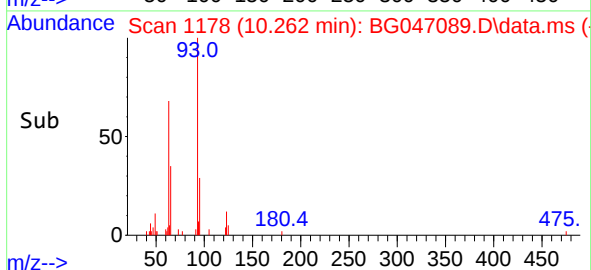
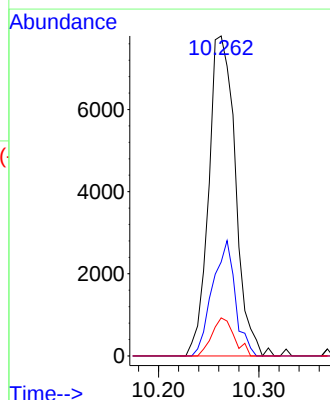
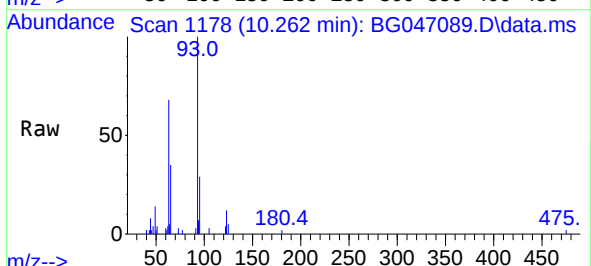
Manual Integrations
APPROVED

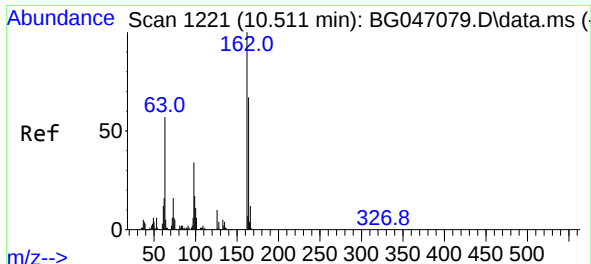
mohammad
10/28/2020 8:05:48 AM



#28
bis(2-Chloroethoxy)methane
Concen: 4.21 ng
RT: 10.262 min Scan# 1178
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 93 Resp: 14361
Ion Ratio Lower Upper
93 100
95 29.4 26.5 39.7
123 11.9 9.4 14.0





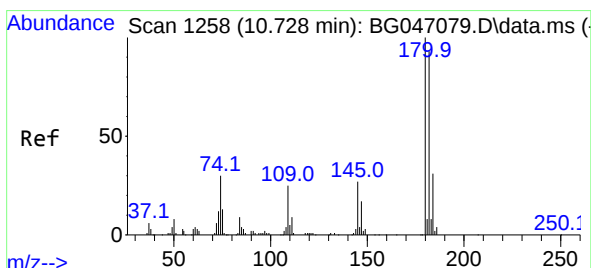
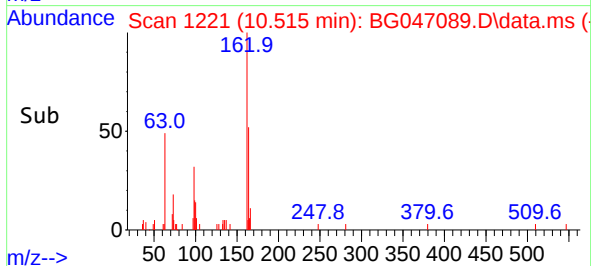
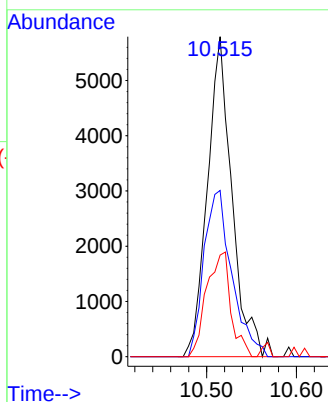
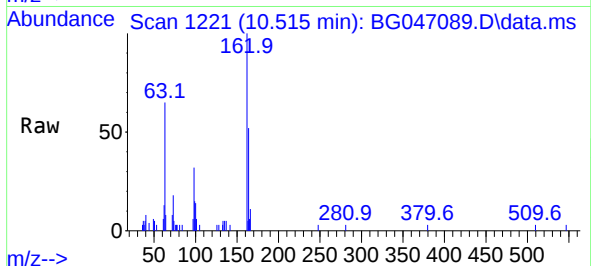
#29
2,4-Dichlorophenol
Concen: 4.21 ng
RT: 10.515 min Scan# 1221
Delta R.T. 0.004 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion	Ratio	Lower	Upper
162	100		
164	51.9	45.6	85.6
98	31.7	11.0	51.0

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

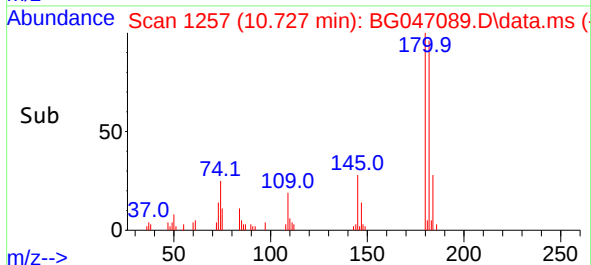
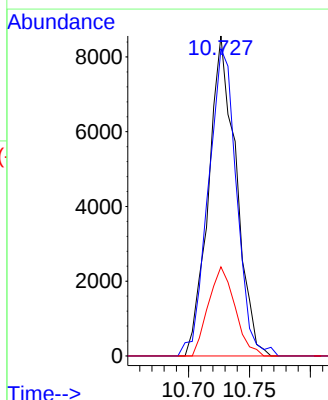
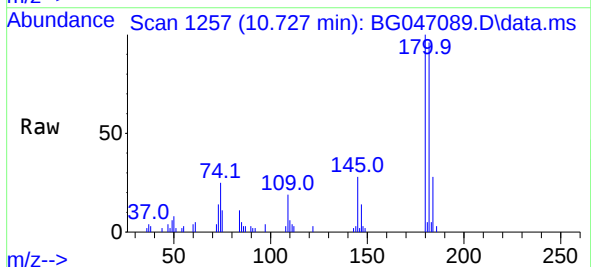
Manual Integrations
APPROVED

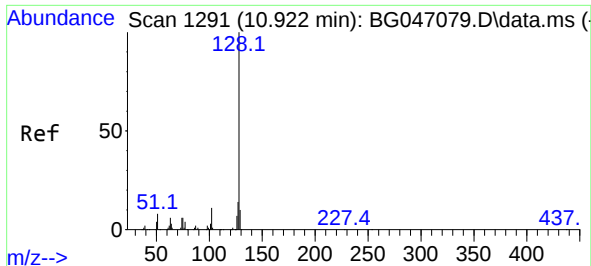
mohammad
10/28/2020 8:05:48 AM



#30
1,2,4-Trichlorobenzene
Concen: 4.17 ng
RT: 10.727 min Scan# 1257
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.9	115.3
145	27.9	21.4	32.0





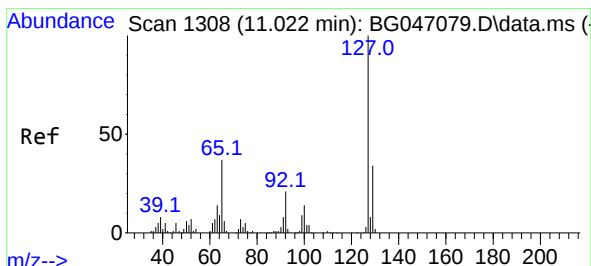
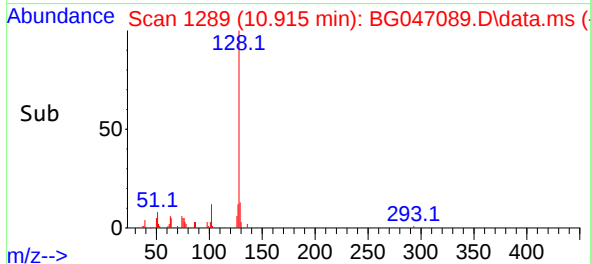
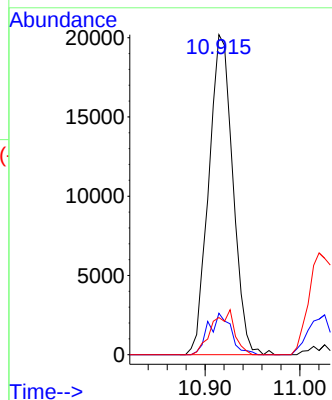
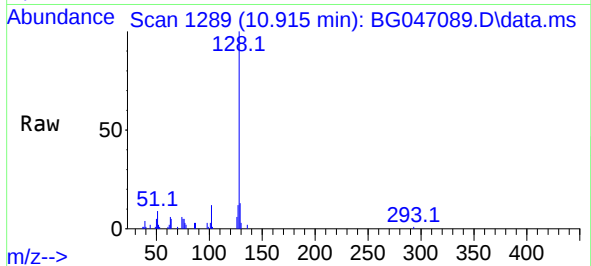
#31
Naphthalene
Concen: 4.60 ng
RT: 10.915 min Scan# 1289
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:	128	Resp:	35610
Ion Ratio	Lower	Upper	
128	100		
129	12.9	9.0	13.6
127	11.6	11.0	16.4

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

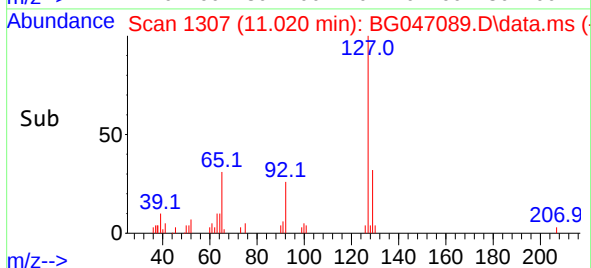
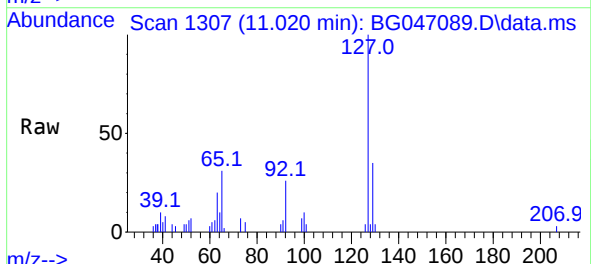
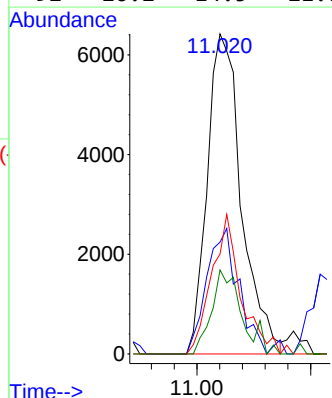
Manual Integrations
APPROVED

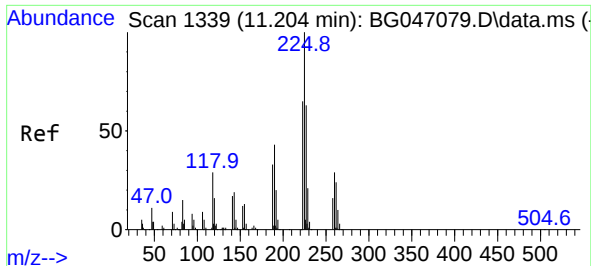
mohammad
10/28/2020 8:05:48 AM



#33
4-Chloroaniline
Concen: 3.98 ng
RT: 11.020 min Scan# 1307
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

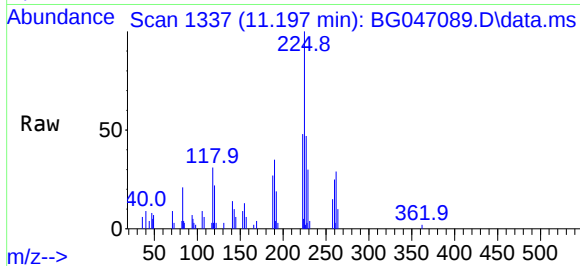
Tgt Ion:	127	Resp:	13393
Ion Ratio	Lower	Upper	
127	100		
129	35.0	26.8	40.2
65	31.2	23.8	35.6
92	26.2	14.5	21.7#





#34
Hexachlorobutadiene
Concen: 4.32 ng
RT: 11.197 min Scan# 1337
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

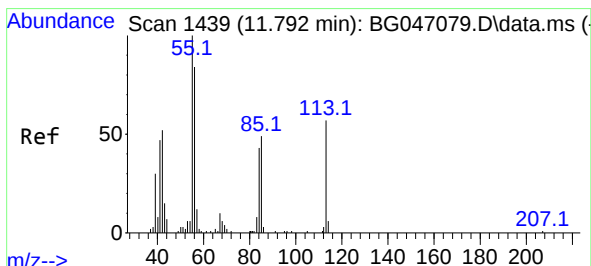
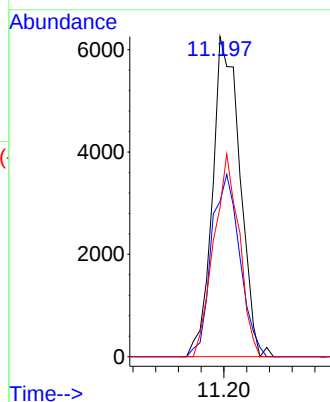
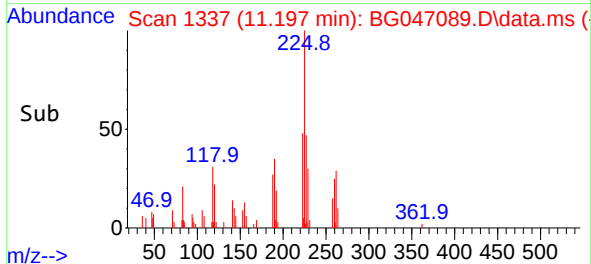
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



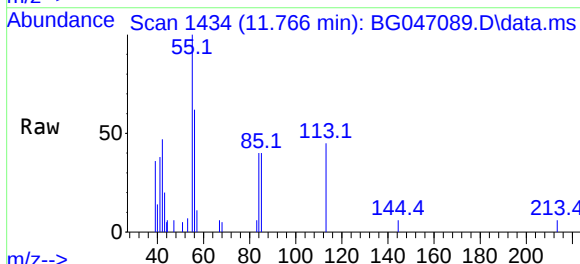
Tgt Ion:225 Resp: 10444
Ion Ratio Lower Upper
225 100
223 48.5 49.5 74.3#
227 46.6 52.0 78.0#

Manual Integrations
APPROVED

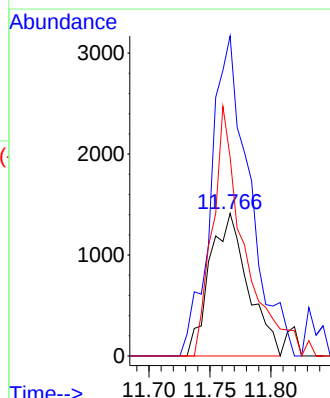
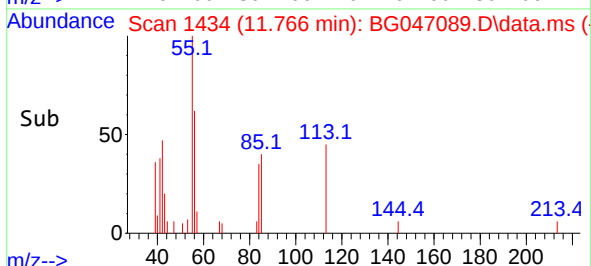
mohammad
10/28/2020 8:05:48 AM

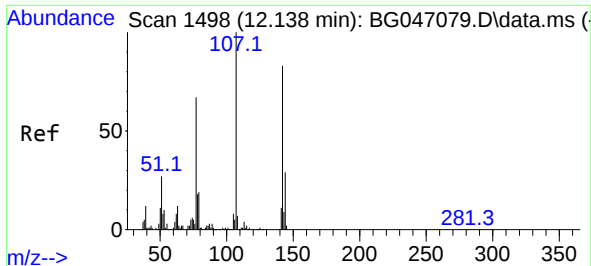


#35
Caprolactam
Concen: 3.55 ng
RT: 11.766 min Scan# 1434
Delta R.T. -0.025 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



Tgt Ion:113 Resp: 3093
Ion Ratio Lower Upper
113 100
55 224.5 149.2 189.2#
56 139.4 107.2 147.2





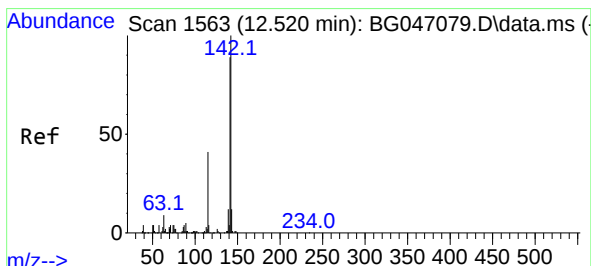
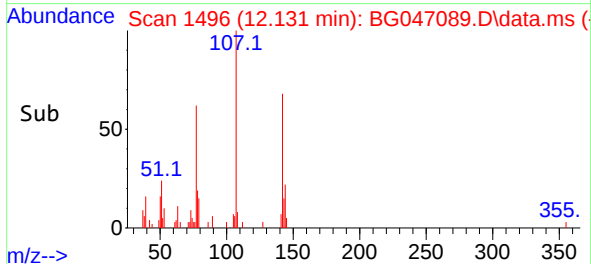
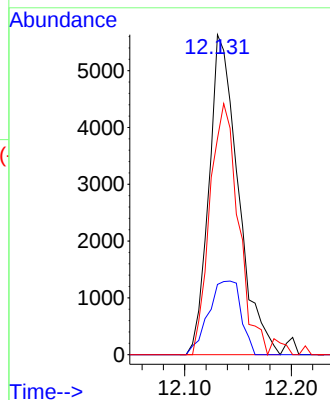
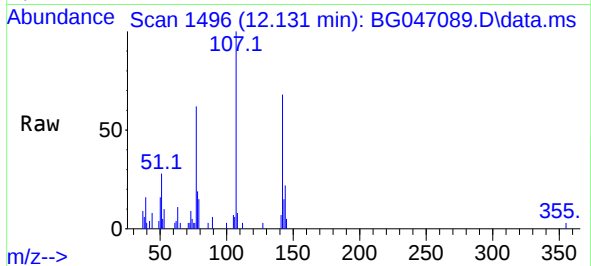
#36
4-Chloro-3-methylphenol
Concen: 3.95 ng
RT: 12.131 min Scan# 1496
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:107 Resp: 10724
Ion Ratio Lower Upper
107 100
144 22.0 22.5 33.7#
142 67.5 70.8 106.2#

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

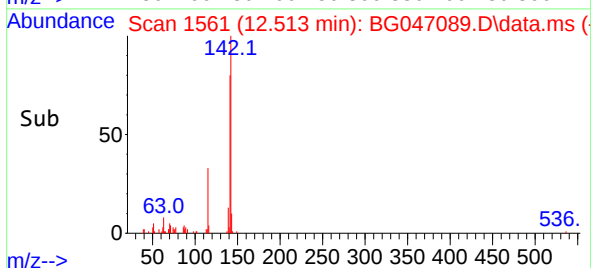
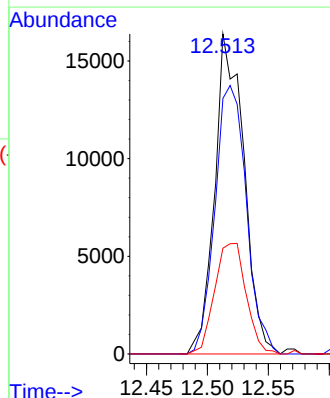
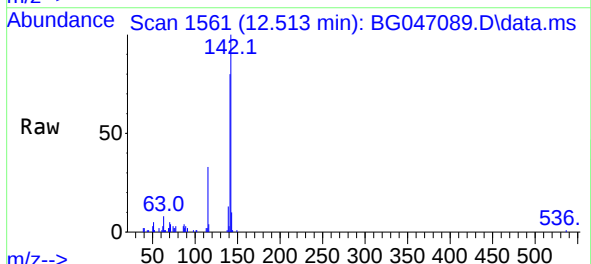
Manual Integrations
APPROVED

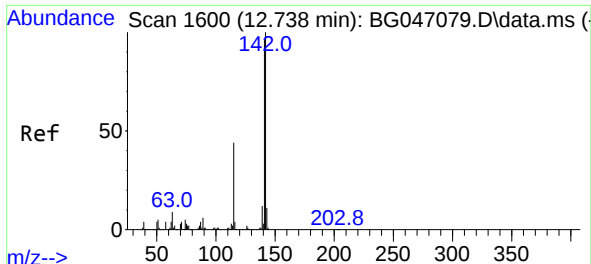
mohammad
10/28/2020 8:05:48 AM



#37
2-Methylnaphthalene
Concen: 4.54 ng
RT: 12.513 min Scan# 1561
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:142 Resp: 27320
Ion Ratio Lower Upper
142 100
141 79.9 71.6 107.4
115 33.1 25.4 38.2





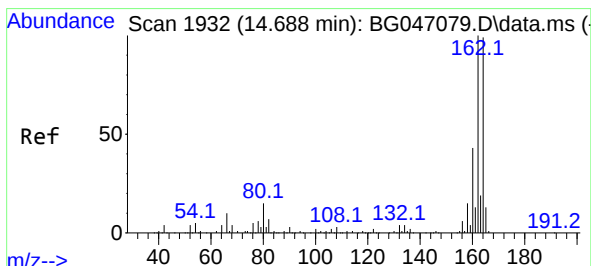
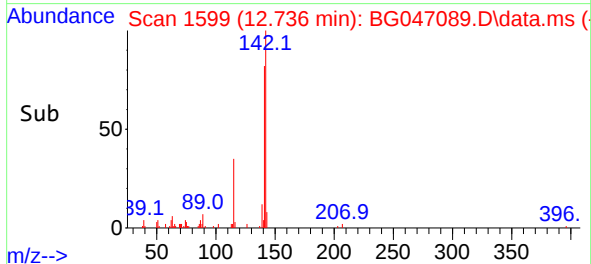
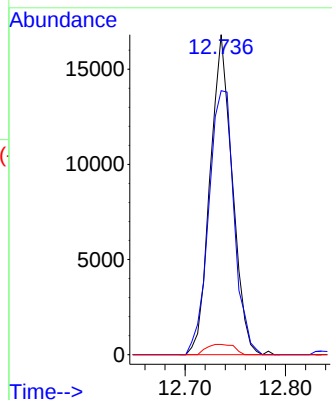
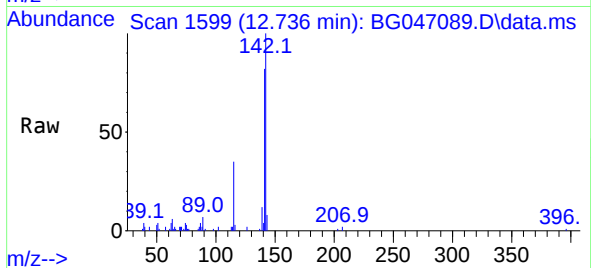
#38
1-Methylnaphthalene
Concen: 4.54 ng
RT: 12.736 min Scan# 1599
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:	142	Resp:	25866
Ion Ratio	Lower	Upper	
142	100		
141	82.5	75.4	113.2
116	3.2	2.9	4.3

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

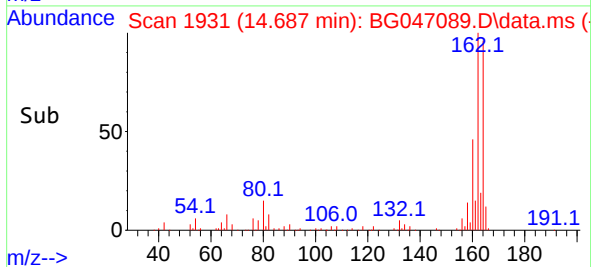
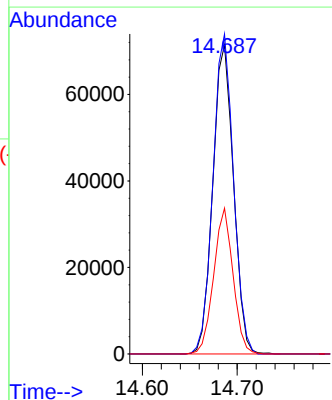
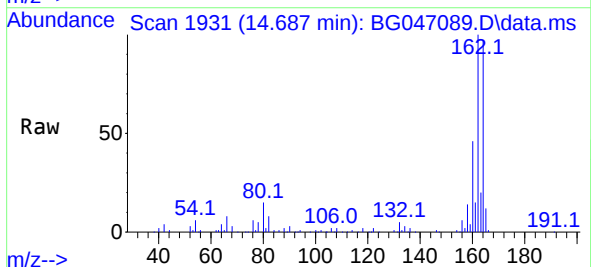
Manual Integrations
APPROVED

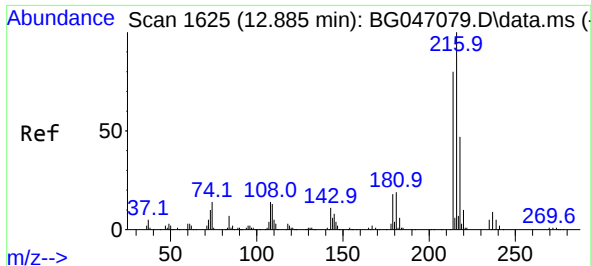
mohammad
10/28/2020 8:05:48 AM



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.687 min Scan# 1931
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

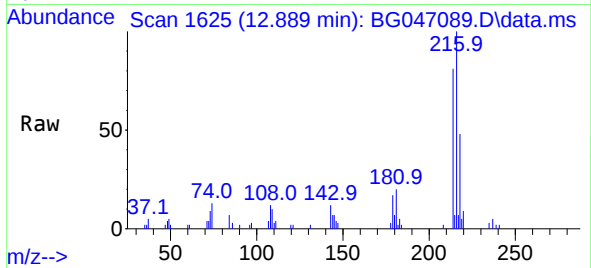
Tgt Ion:	164	Resp:	108183
Ion Ratio	Lower	Upper	
164	100		
162	103.5	82.3	123.5
160	47.2	35.3	52.9





#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.39 ng
RT: 12.889 min Scan# 1625
Delta R.T. 0.004 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

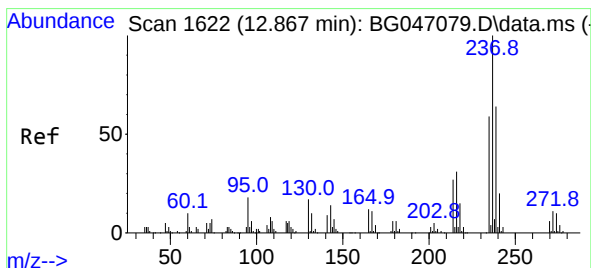
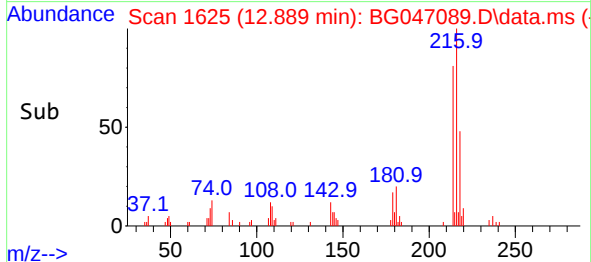
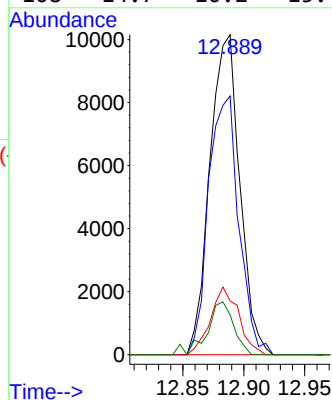
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



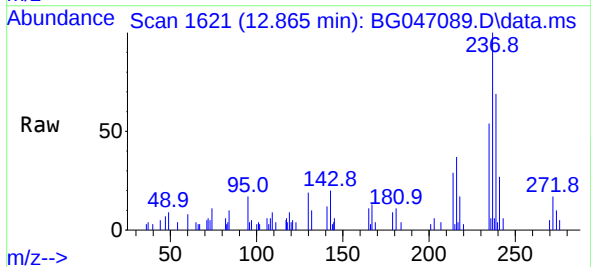
Tgt Ion:216 Resp: 17358
Ion Ratio Lower Upper
216 100
214 81.5 61.9 92.9
179 19.8 14.8 22.2
108 14.7 10.2 15.4

Manual Integrations
APPROVED

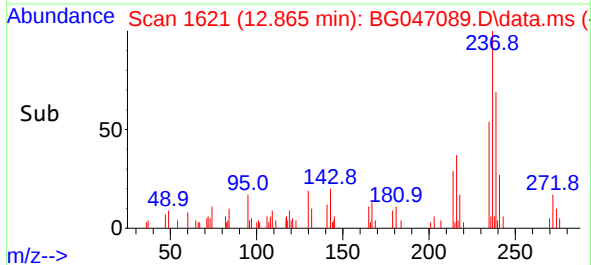
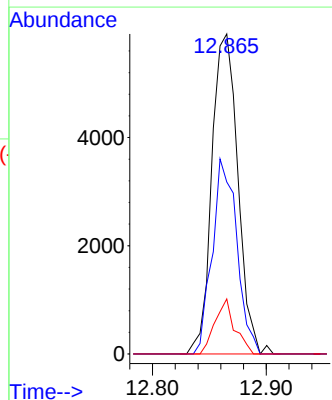
mohammad
10/28/2020 8:05:48 AM

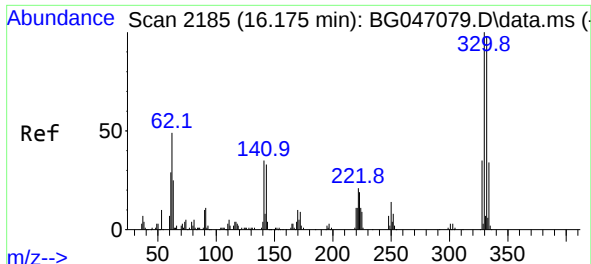


#41
Hexachlorocyclopentadiene
Concen: 4.35 ng
RT: 12.865 min Scan# 1621
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

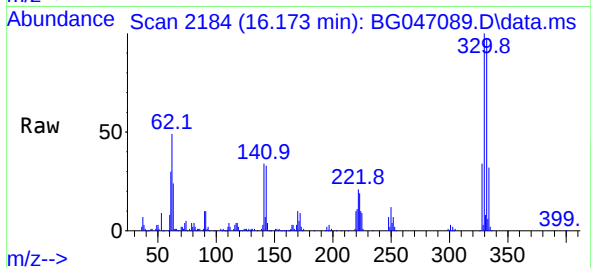


Tgt Ion:237 Resp: 9400
Ion Ratio Lower Upper
237 100
235 53.8 43.1 83.1
272 17.2 0.0 33.1

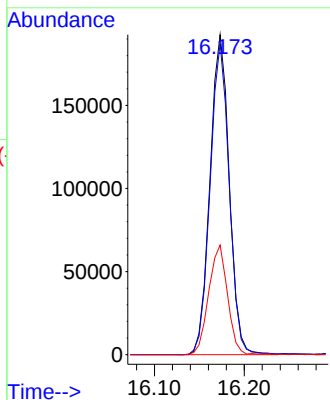
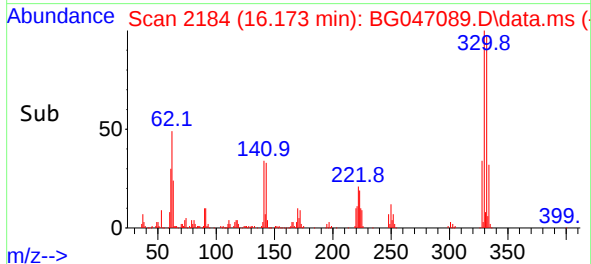




#42
2,4,6-Tribromophenol
Concen: 165.37 ng
RT: 16.173 min Scan# 2184
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



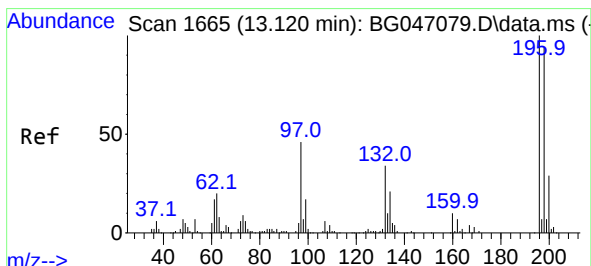
Tgt Ion:330 Resp: 286756
Ion Ratio Lower Upper
330 100
332 96.5 76.5 114.7
141 33.6 26.0 39.0



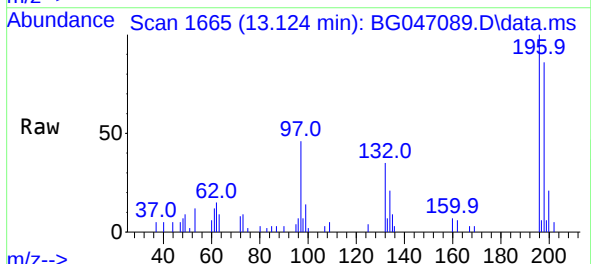
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

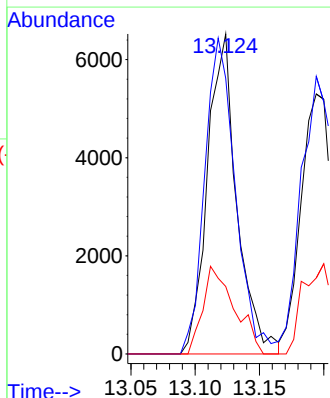
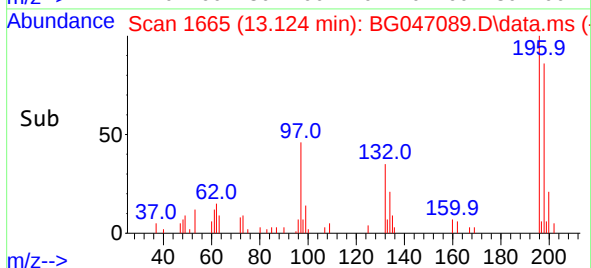
mohammad
10/28/2020 8:05:48 AM

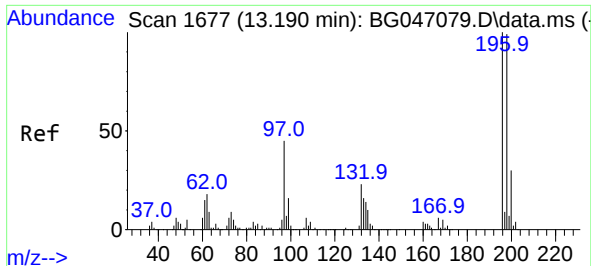


#43
2,4,6-Trichlorophenol
Concen: 4.03 ng m
RT: 13.124 min Scan# 1665
Delta R.T. 0.004 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



Tgt Ion:196 Resp: 10388
Ion Ratio Lower Upper
196 100
198 86.2 74.9 112.3
200 21.1 25.3 37.9#





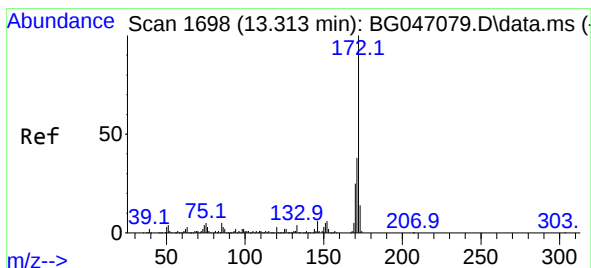
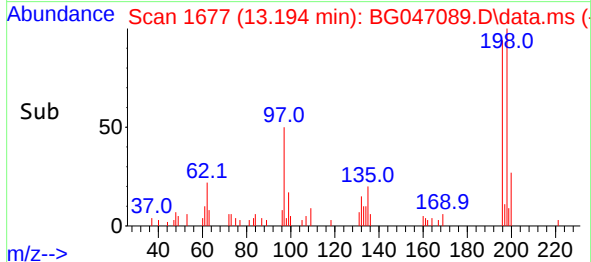
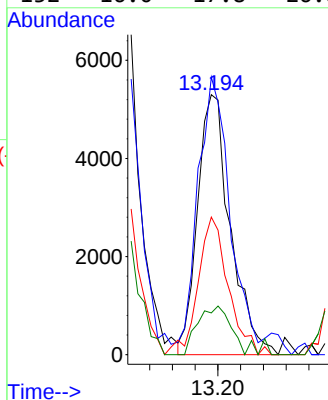
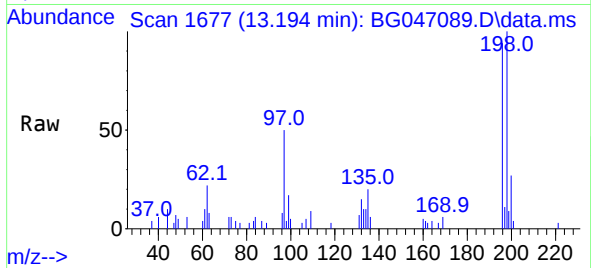
#44
2,4,5-Trichlorophenol
Concen: 4.05 ng
RT: 13.194 min Scan# 1677
Delta R.T. 0.004 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:	196	Resp:	10592
Ion Ratio	Lower	Upper	
196	100		
198	106.8	77.6	116.4
97	53.0	28.6	43.0#
132	16.0	17.8	26.8#

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

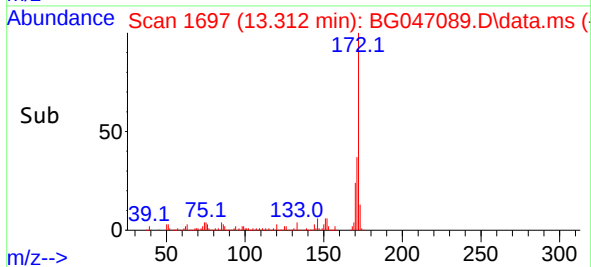
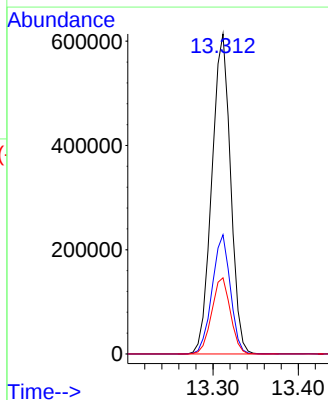
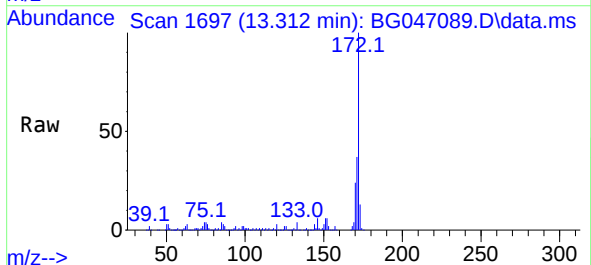
Manual Integrations
APPROVED

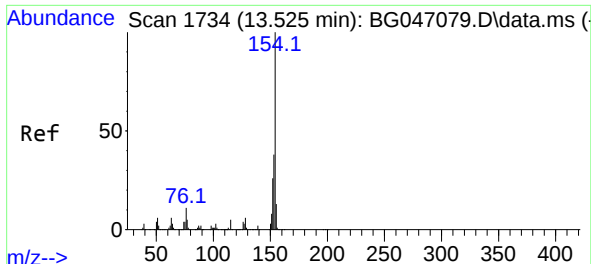
mohammad
10/28/2020 8:05:48 AM



#45
2-Fluorobiphenyl
Concen: 122.07 ng
RT: 13.312 min Scan# 1697
Delta R.T. -0.001 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:	172	Resp:	934076
Ion Ratio	Lower	Upper	
172	100		
171	37.3	31.3	46.9
170	23.8	20.8	31.2





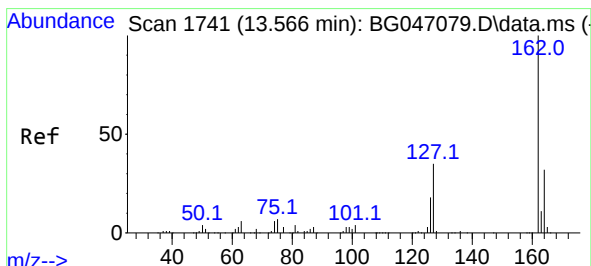
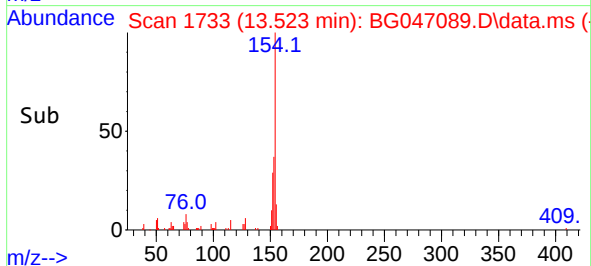
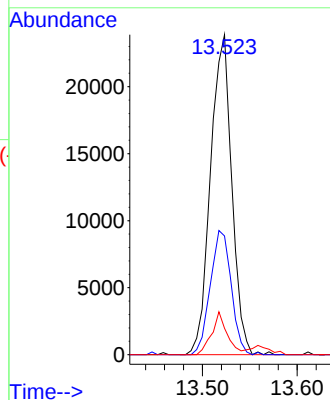
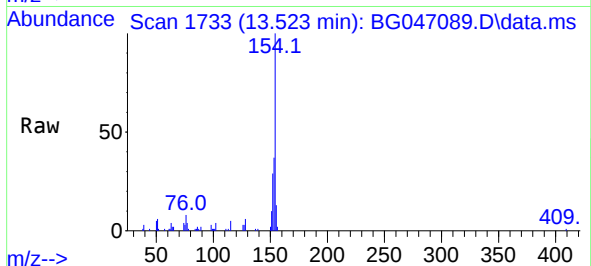
#46
1,1'-Biphenyl
Concen: 4.54 ng
RT: 13.523 min Scan# 1733
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:	154	Resp:	37195
Ion Ratio	Lower	Upper	
154	100		
153	37.1	22.6	62.6
76	8.2	0.0	32.6

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

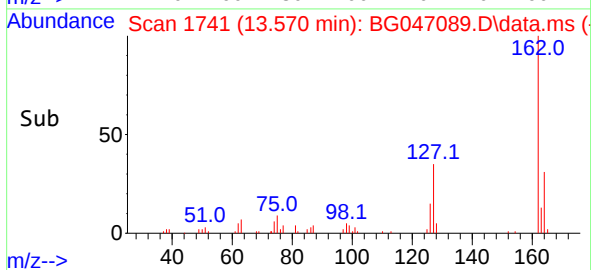
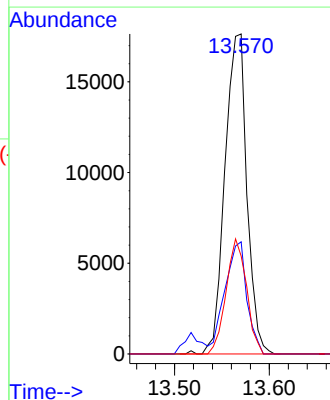
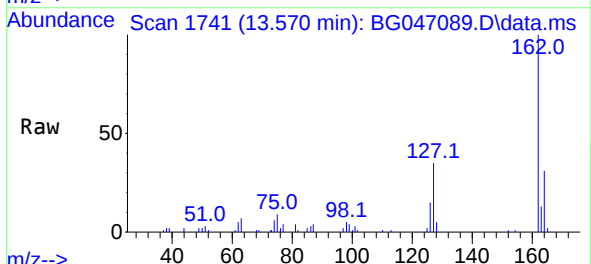
Manual Integrations
APPROVED

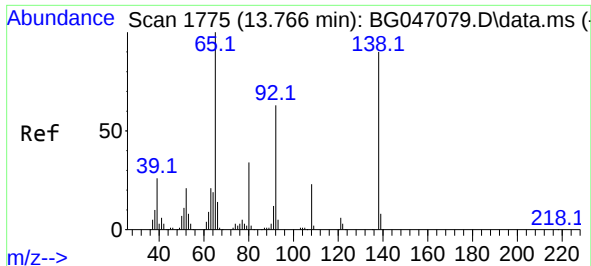
mohammad
10/28/2020 8:05:48 AM



#47
2-Chloronaphthalene
Concen: 4.21 ng
RT: 13.570 min Scan# 1741
Delta R.T. 0.004 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:	162	Resp:	28402
Ion Ratio	Lower	Upper	
162	100		
127	35.1	27.8	41.6
164	30.6	27.0	40.4





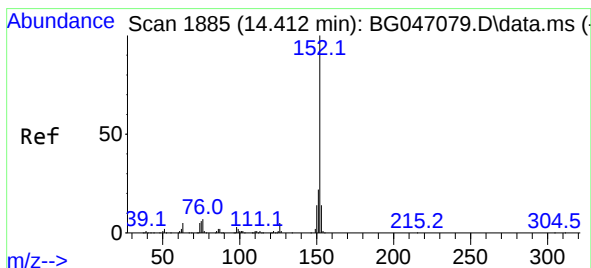
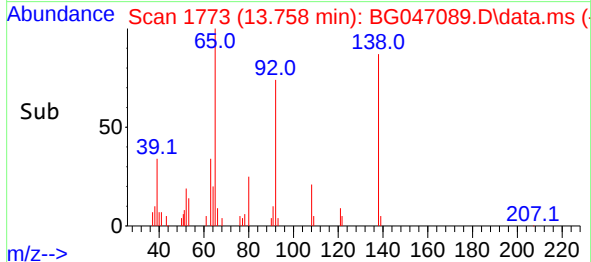
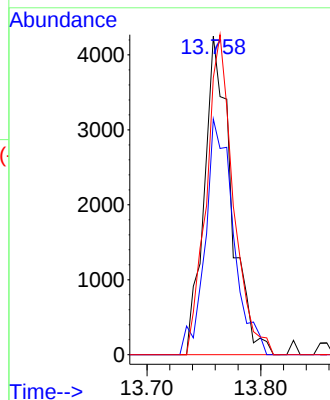
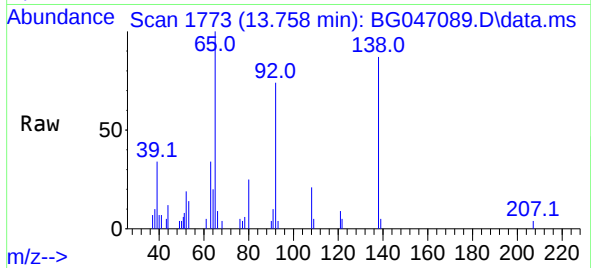
#48
2-Nitroaniline
Concen: 3.18 ng
RT: 13.758 min Scan# 1773
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 65 Resp: 6990
Ion Ratio Lower Upper
65 100
92 74.1 58.6 88.0
138 87.0 98.2 147.4#

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

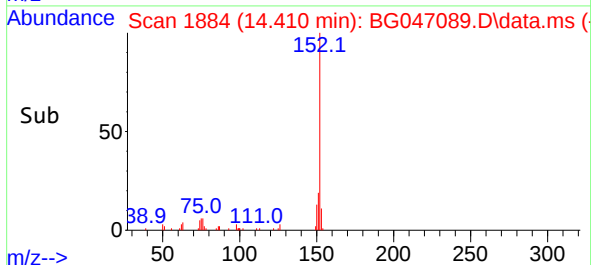
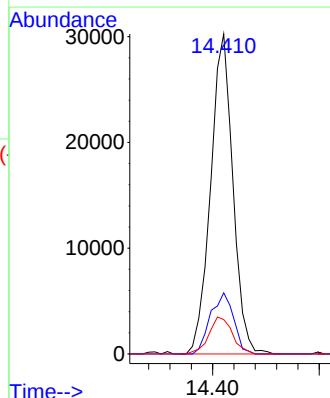
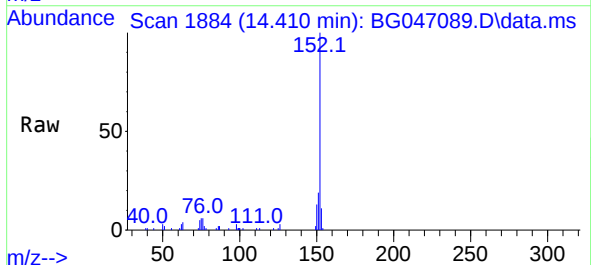
Manual Integrations
APPROVED

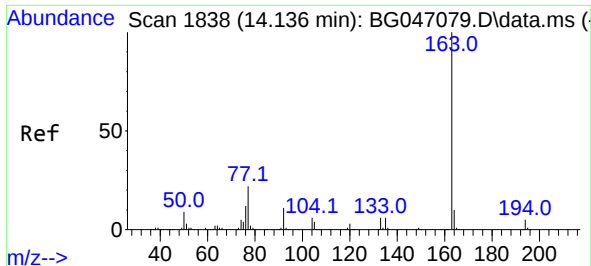
mohammad
10/28/2020 8:05:48 AM



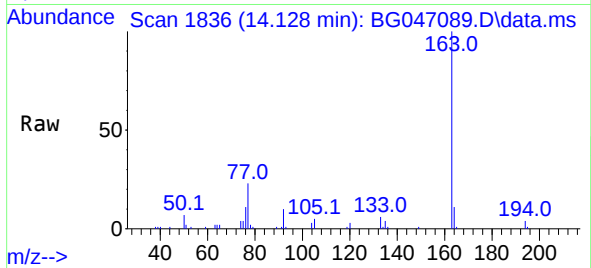
#49
Acenaphthylene
Concen: 4.48 ng
RT: 14.410 min Scan# 1884
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 152 Resp: 43843
Ion Ratio Lower Upper
152 100
151 19.1 17.4 26.0
153 10.7 11.5 17.3#

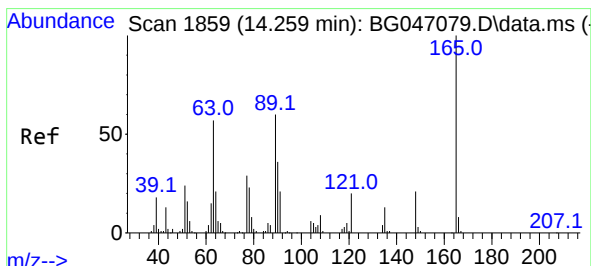
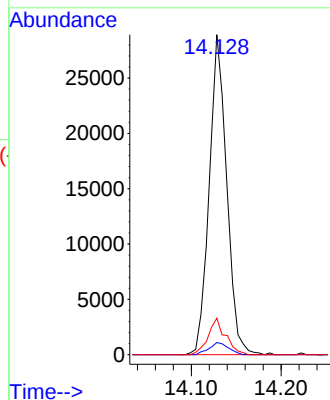
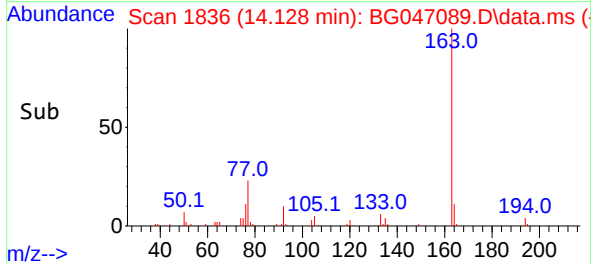




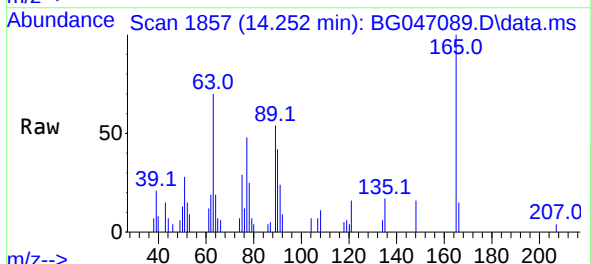
#50
Dimethylphthalate
Concen: 4.39 ng
RT: 14.128 min Scan# 1836
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



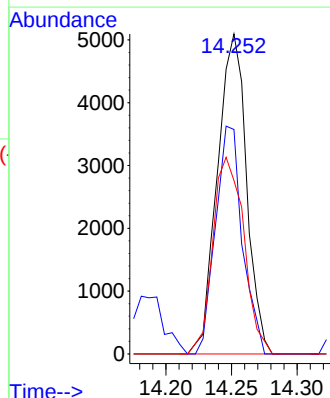
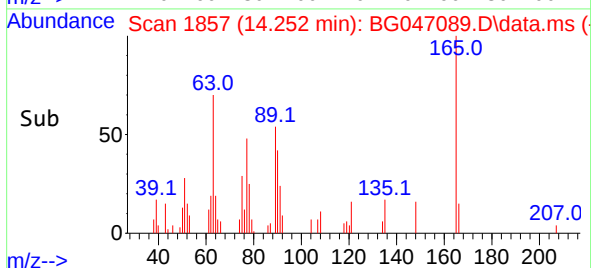
Tgt Ion:163 Resp: 39107
Ion Ratio Lower Upper
163 100
194 3.8 3.8 5.8#
164 11.4 8.8 13.2



#51
2,6-Dinitrotoluene
Concen: 4.23 ng
RT: 14.252 min Scan# 1857
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



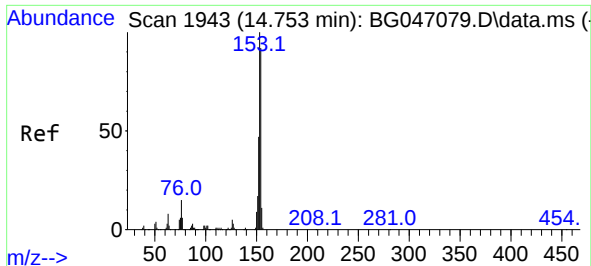
Tgt Ion:165 Resp: 7862
Ion Ratio Lower Upper
165 100
63 70.1 33.7 50.5#
89 54.2 36.6 54.8



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

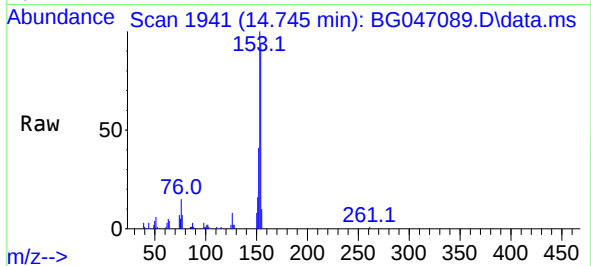
Manual Integrations
APPROVED

mohammad
10/28/2020 8:05:48 AM



#52
Acenaphthene
Concen: 4.40 ng
RT: 14.745 min Scan# 1941
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

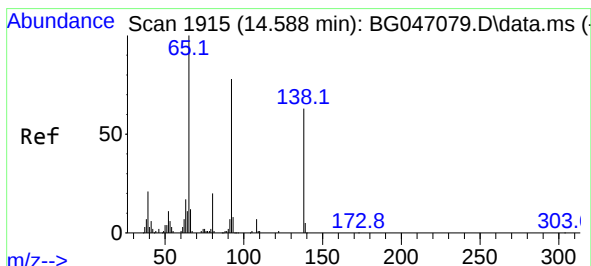
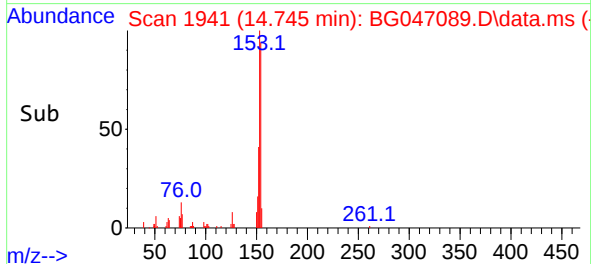
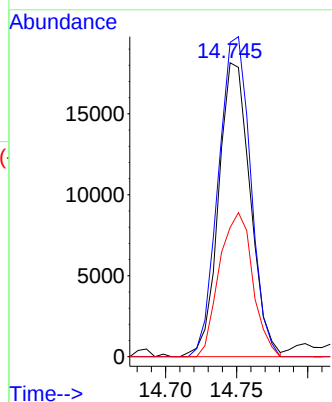
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



Tgt Ion:154 Resp: 28084
Ion Ratio Lower Upper
154 100
153 106.9 90.3 135.5
152 43.9 43.8 65.8

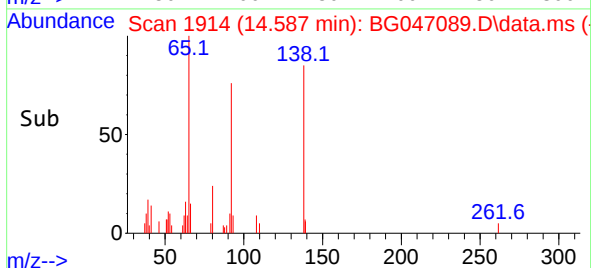
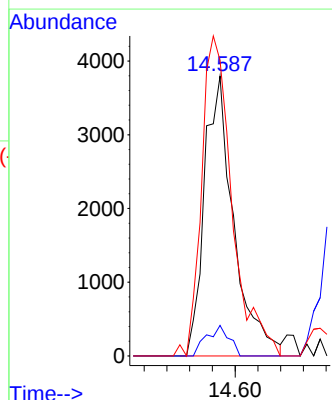
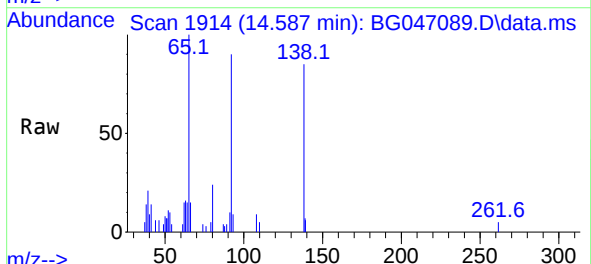
Manual Integrations
APPROVED

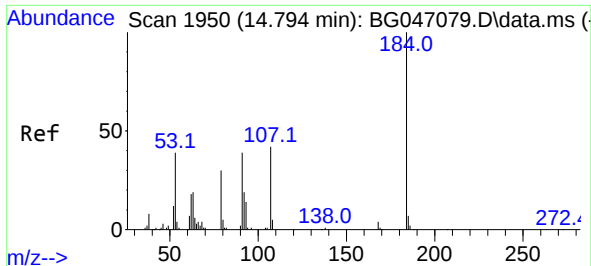
mohammad
10/28/2020 8:05:48 AM



#53
3-Nitroaniline
Concen: 3.67 ng
RT: 14.587 min Scan# 1914
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

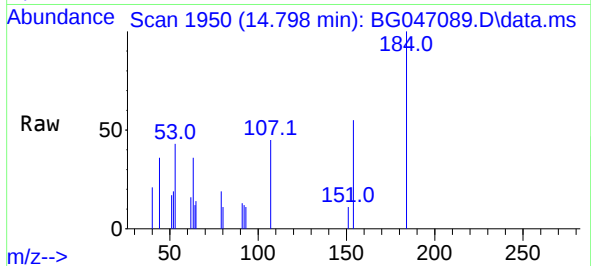
Tgt Ion:138 Resp: 6786
Ion Ratio Lower Upper
138 100
108 10.9 7.4 11.0
92 105.6 85.2 127.8





#54
2,4-Dinitrophenol
Concen: 2.31 ng
RT: 14.798 min Scan# 1950
Delta R.T. 0.004 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

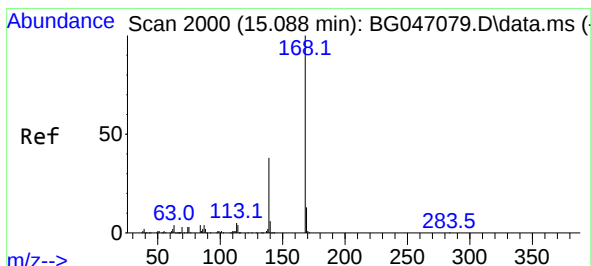
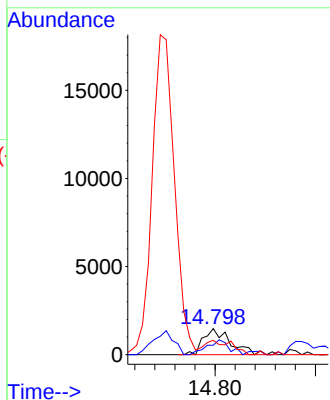
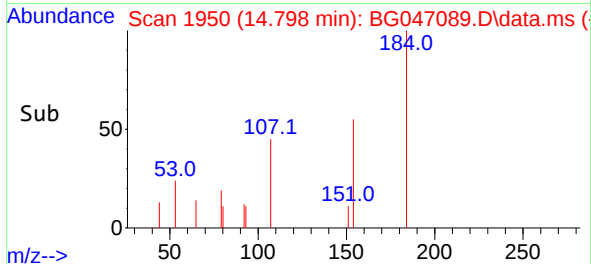
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



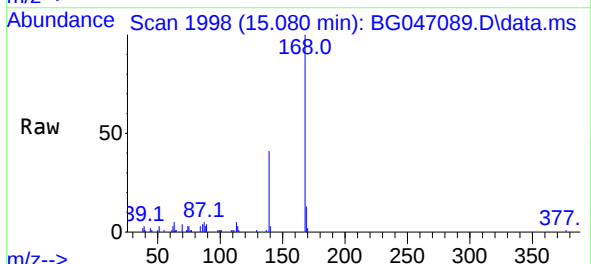
Tgt Ion:184 Resp: 2837
Ion Ratio Lower Upper
184 100
63 35.9 32.3 48.5
154 55.0 40.4 60.6

Manual Integrations
APPROVED

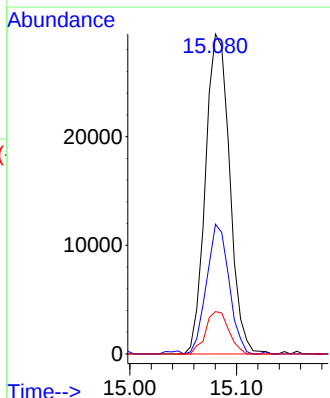
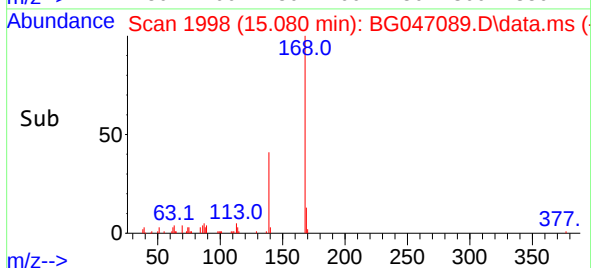
mohammad
10/28/2020 8:05:48 AM

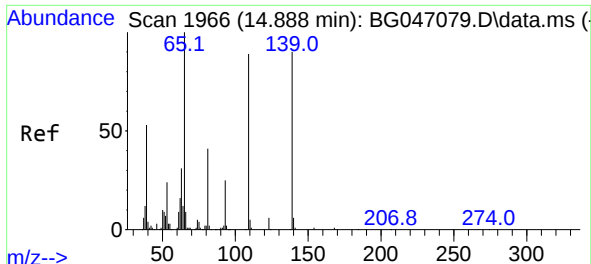


#55
Dibenzofuran
Concen: 4.52 ng
RT: 15.080 min Scan# 1998
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



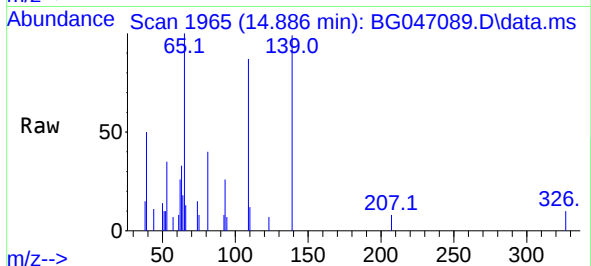
Tgt Ion:168 Resp: 46353
Ion Ratio Lower Upper
168 100
139 40.6 28.6 43.0
169 13.3 11.0 16.6





#56
4-Nitrophenol
Concen: 2.88 ng
RT: 14.886 min Scan# 1965
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

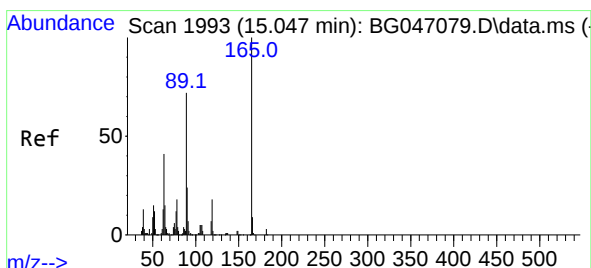
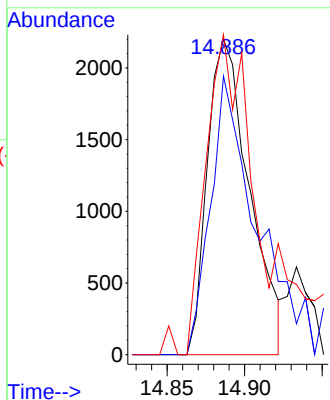
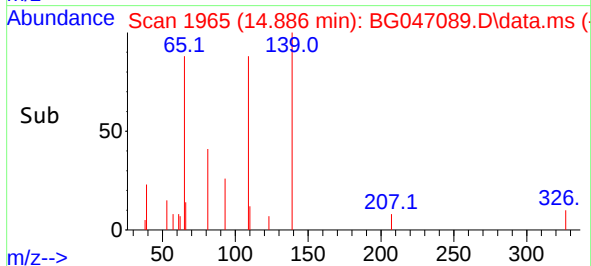
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



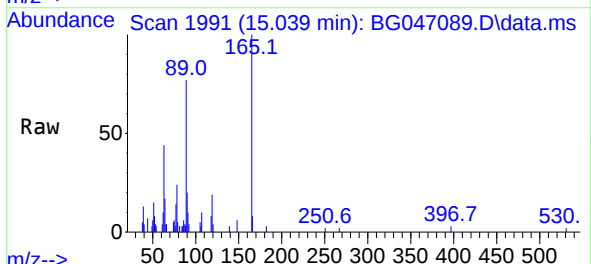
Tgt Ion:139 Resp: 4158
Ion Ratio Lower Upper
139 100
109 88.3 45.9 85.9#
65 101.4 65.4 105.4

Manual Integrations
APPROVED

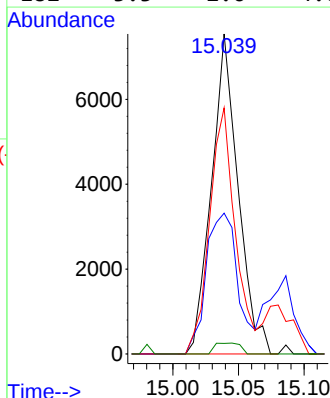
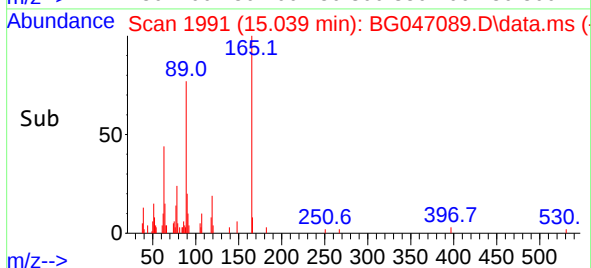
mohammad
10/28/2020 8:05:48 AM

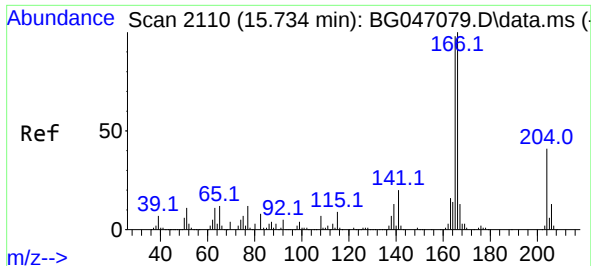


#57
2,4-Dinitrotoluene
Concen: 3.98 ng
RT: 15.039 min Scan# 1991
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

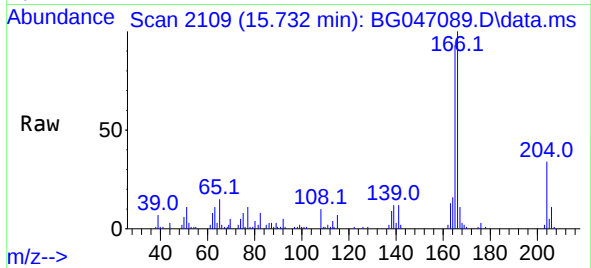


Tgt Ion:165 Resp: 10634
Ion Ratio Lower Upper
165 100
63 44.0 26.4 39.6#
89 76.9 47.8 71.8#
182 3.3 2.6 4.0

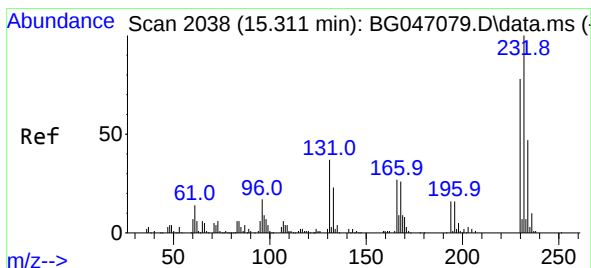
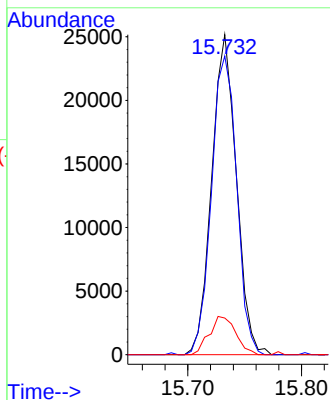
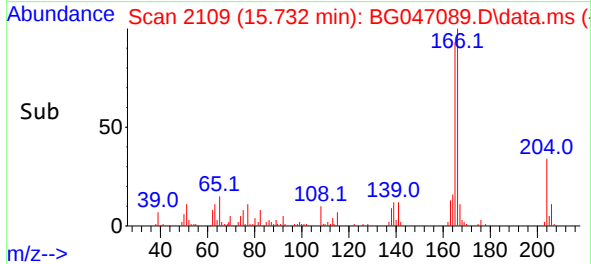




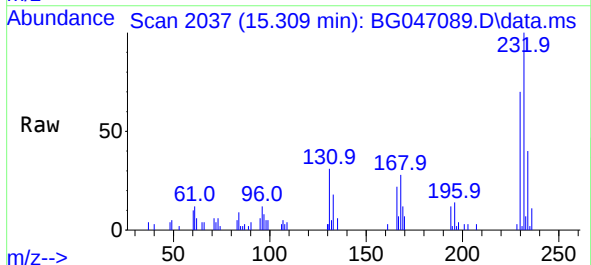
#58
Fluorene
Concen: 4.57 ng
RT: 15.732 min Scan# 2109
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



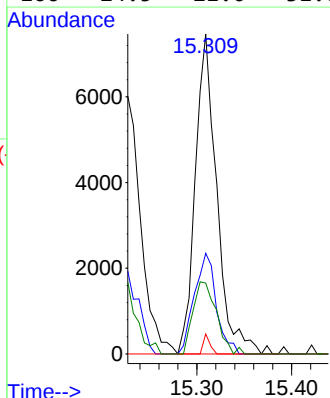
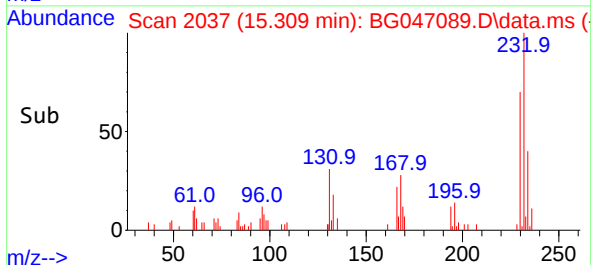
Tgt Ion:166 Resp: 37818
Ion Ratio Lower Upper
166 100
165 93.4 77.2 115.8
167 11.5 11.4 17.2



#59
2,3,4,6-Tetrachlorophenol
Concen: 4.24 ng
RT: 15.309 min Scan# 2037
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



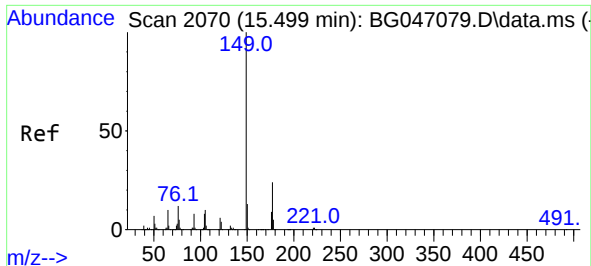
Tgt Ion:232 Resp: 11779
Ion Ratio Lower Upper
232 100
131 32.0 26.6 40.0
130 1.9 1.4 2.0
166 24.5 21.0 31.6



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

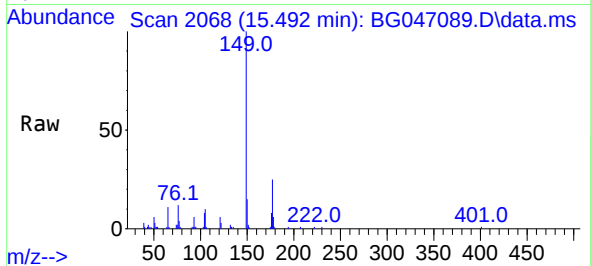
Manual Integrations
APPROVED

mohammad
10/28/2020 8:05:48 AM



#60
Diethylphthalate
Concen: 4.48 ng
RT: 15.492 min Scan# 2068
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

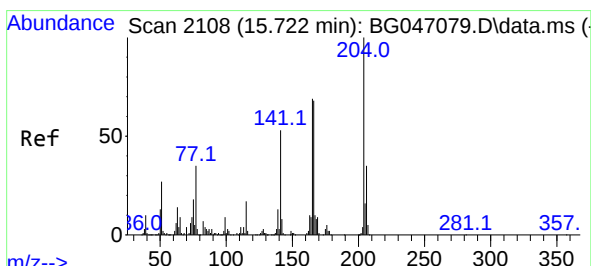
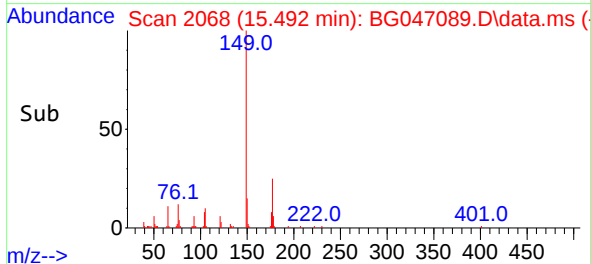
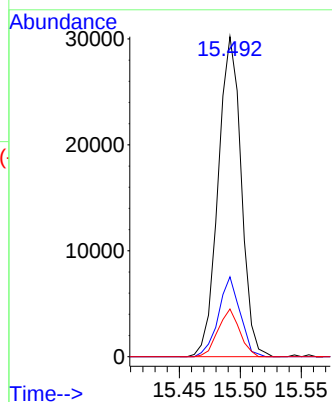
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



Tgt Ion:149 Resp: 39800
Ion Ratio Lower Upper
149 100
177 25.0 21.4 32.2
150 14.9 10.7 16.1

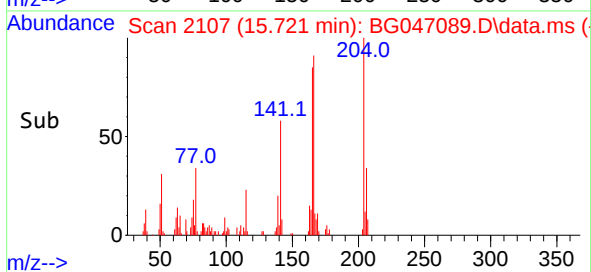
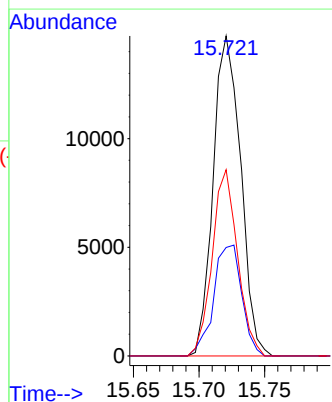
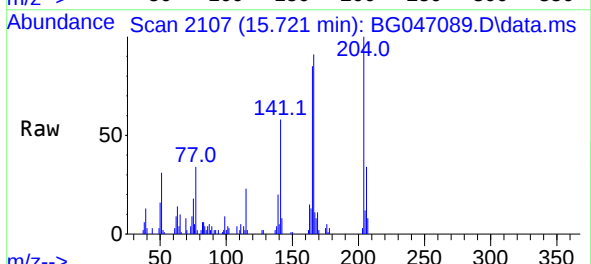
Manual Integrations
APPROVED

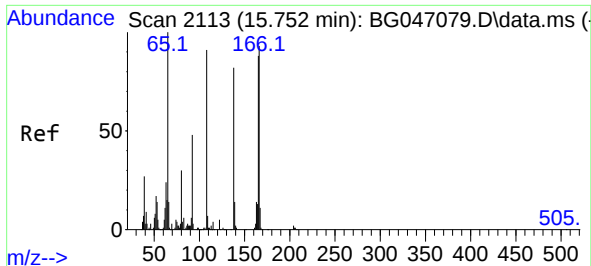
mohammad
10/28/2020 8:05:48 AM



#61
4-Chlorophenyl-phenylether
Concen: 4.34 ng
RT: 15.721 min Scan# 2107
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:204 Resp: 21441
Ion Ratio Lower Upper
204 100
206 33.9 27.8 41.8
141 58.2 41.5 62.3





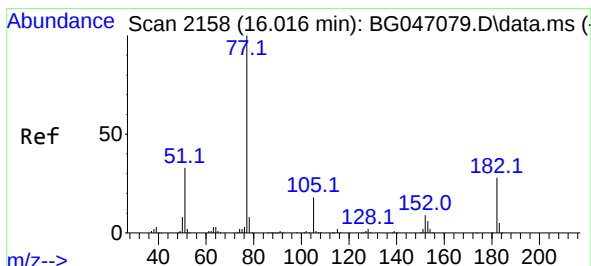
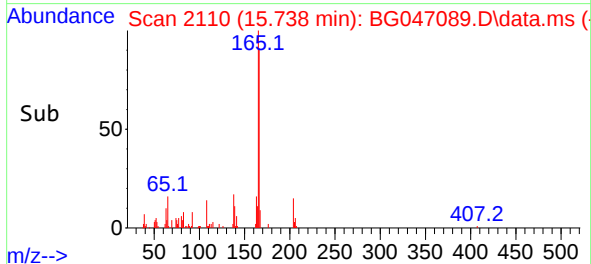
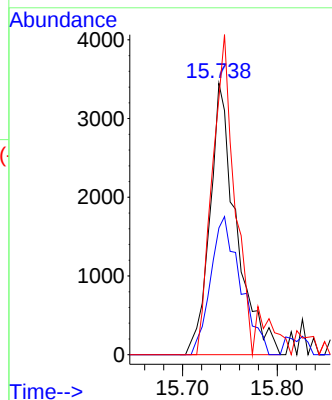
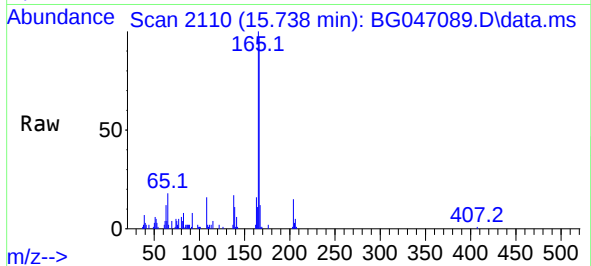
#62
4-Nitroaniline
Concen: 3.37 ng
RT: 15.738 min Scan# 2110
Delta R.T. -0.014 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:	138	Resp:	6677
Ion Ratio	Lower	Upper	
138	100		
92	46.7	26.9	66.9
108	94.5	49.4	89.4#

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

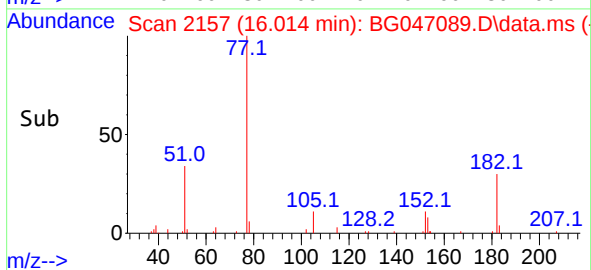
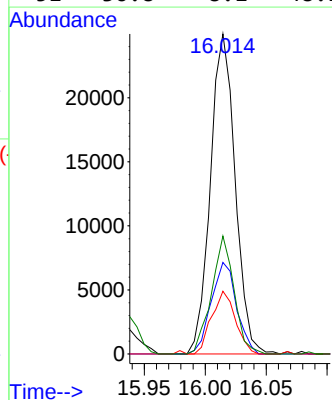
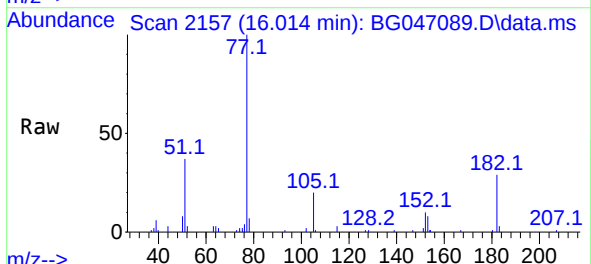
Manual Integrations
APPROVED

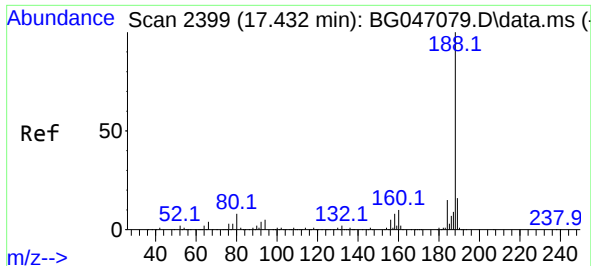
mohammad
10/28/2020 8:05:48 AM



#63
Azobenzene
Concen: 4.48 ng
RT: 16.014 min Scan# 2157
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

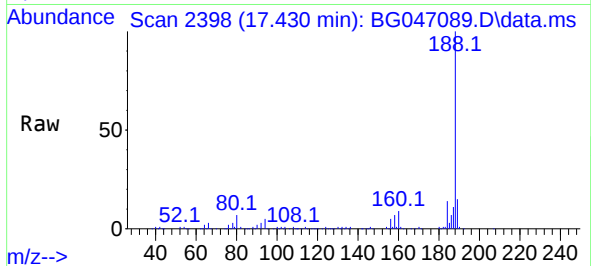
Tgt Ion:	77	Resp:	35316
Ion Ratio	Lower	Upper	
77	100		
182	28.6	14.0	54.0
105	19.6	3.0	43.0
51	36.8	8.1	48.1





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.430 min Scan# 2398
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

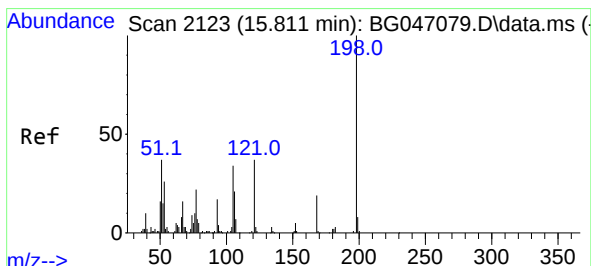
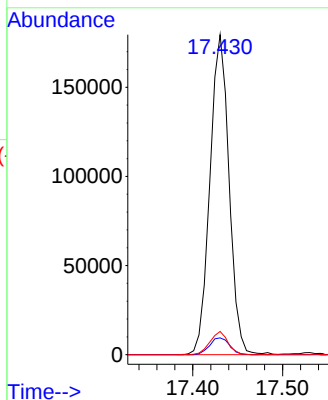
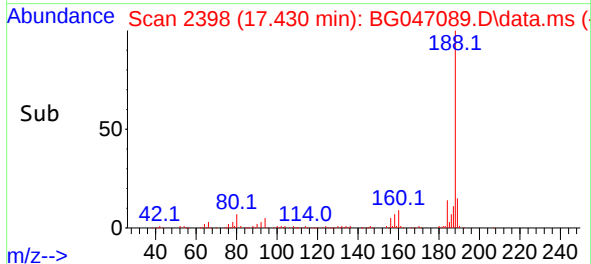
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



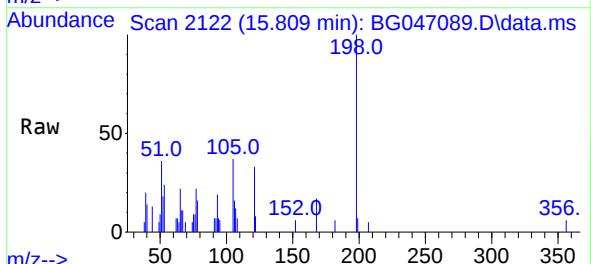
Tgt Ion:188 Resp: 265746
Ion Ratio Lower Upper
188 100
94 5.2 6.3 9.5#
80 7.3 7.0 10.6

Manual Integrations
APPROVED

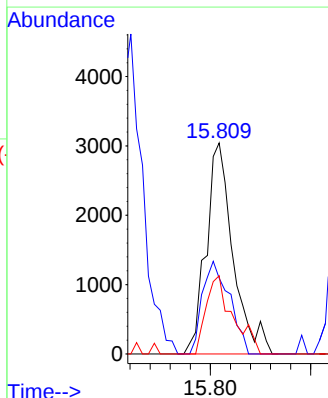
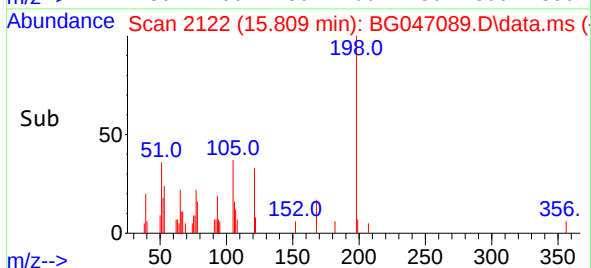
mohammad
10/28/2020 8:05:48 AM

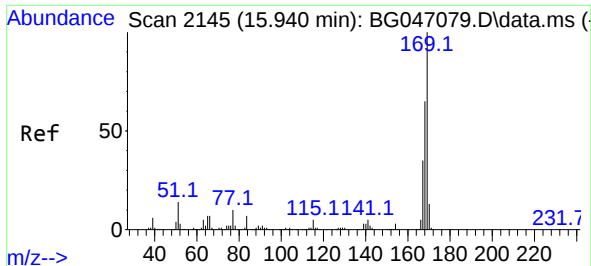


#65
4,6-Dinitro-2-methylphenol
Concen: 3.47 ng
RT: 15.809 min Scan# 2122
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



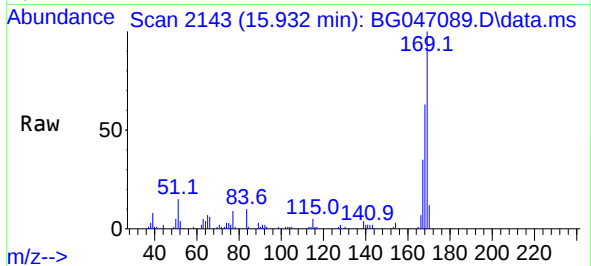
Tgt Ion:198 Resp: 5674
Ion Ratio Lower Upper
198 100
51 36.0 10.4 50.4
105 37.1 12.9 52.9





#66
n-Nitrosodiphenylamine
Concen: 4.51 ng
RT: 15.932 min Scan# 2143
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

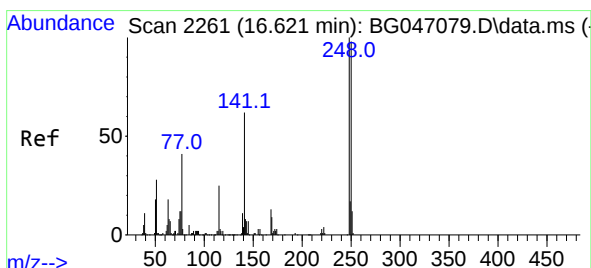
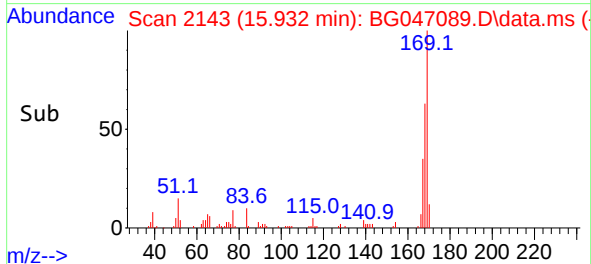
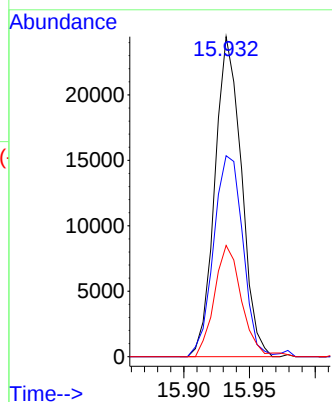
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



Tgt Ion:169 Resp: 34375
Ion Ratio Lower Upper
169 100
168 62.8 55.5 83.3
167 34.8 30.5 45.7

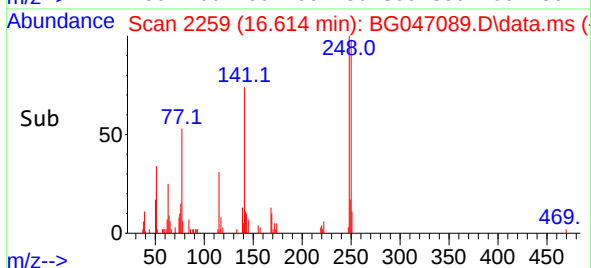
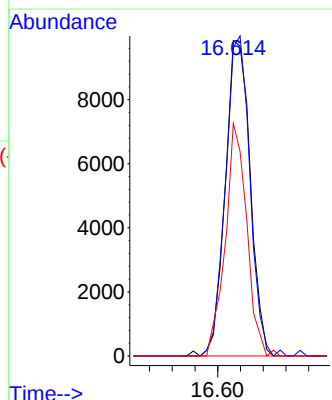
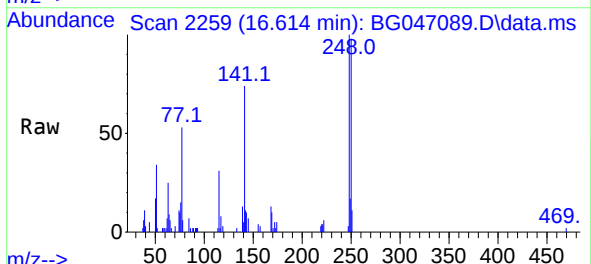
Manual Integrations
APPROVED

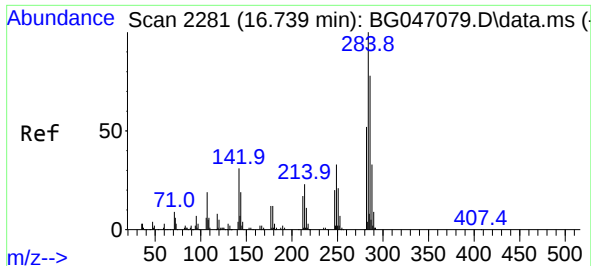
mohammad
10/28/2020 8:05:48 AM



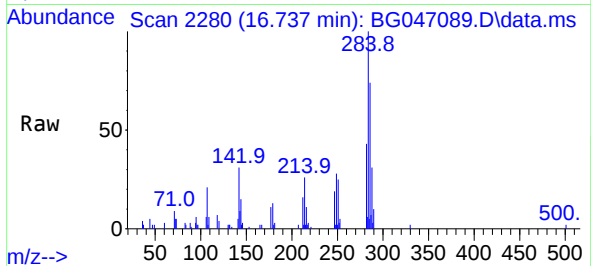
#67
4-Bromophenyl-phenylether
Concen: 4.30 ng
RT: 16.614 min Scan# 2259
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:248 Resp: 15023
Ion Ratio Lower Upper
248 100
250 97.9 78.9 118.3
141 73.8 46.2 69.4#

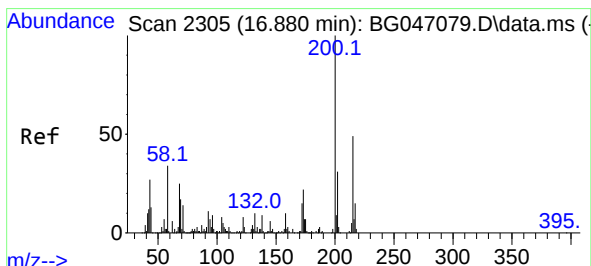
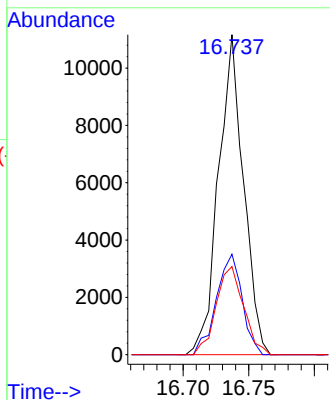
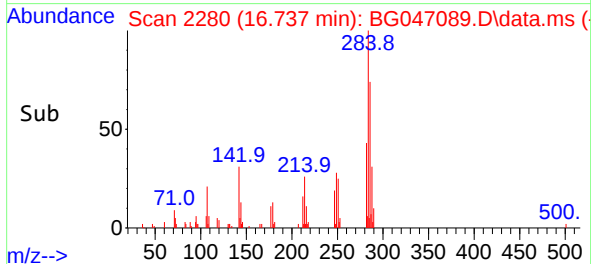




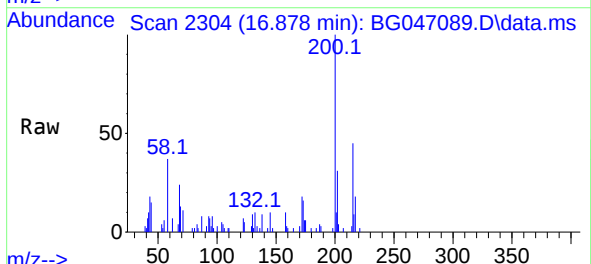
#68
Hexachlorobenzene
Concen: 4.02 ng
RT: 16.737 min Scan# 2280
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



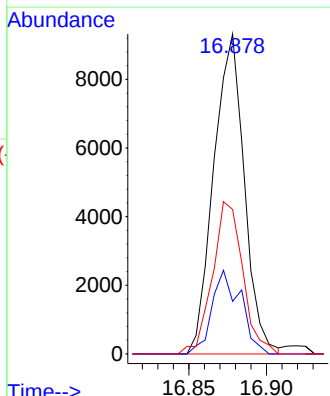
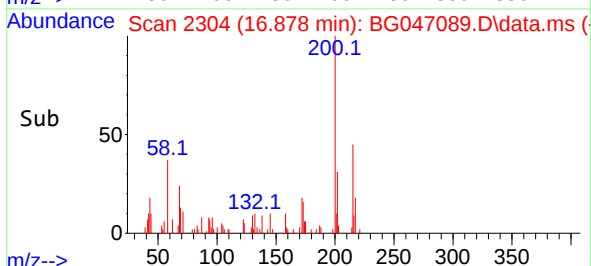
Tgt Ion:284 Resp: 14826
Ion Ratio Lower Upper
284 100
142 31.4 21.1 31.7
249 27.6 25.9 38.9



#69
Atrazine
Concen: 4.07 ng
RT: 16.878 min Scan# 2304
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



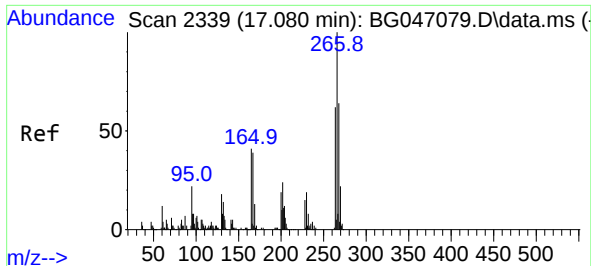
Tgt Ion:200 Resp: 12759
Ion Ratio Lower Upper
200 100
173 16.4 4.2 44.2
215 45.1 30.0 70.0



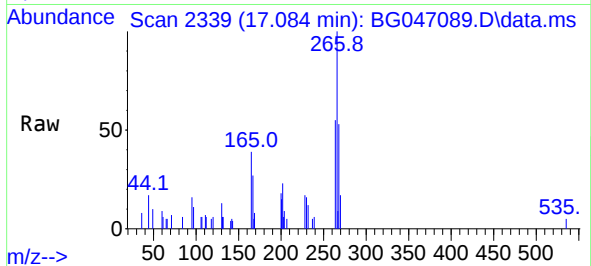
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

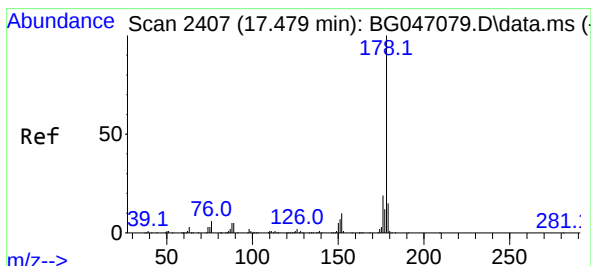
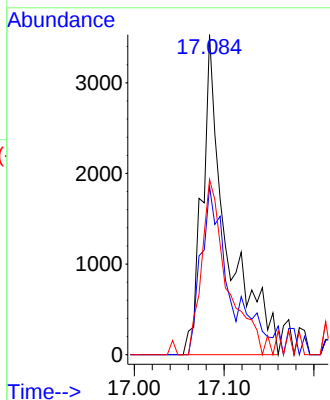
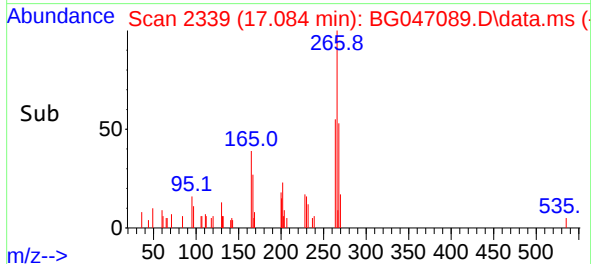
mohammad
10/28/2020 8:05:48 AM



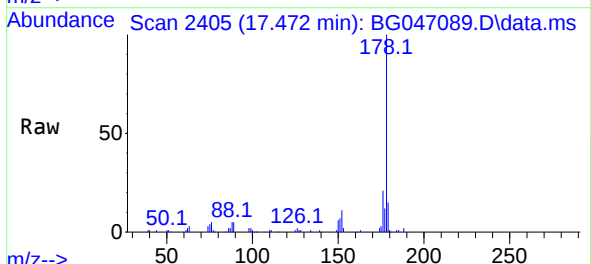
#70
Pentachlorophenol
Concen: 3.12 ng
RT: 17.084 min Scan# 2339
Delta R.T. 0.004 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



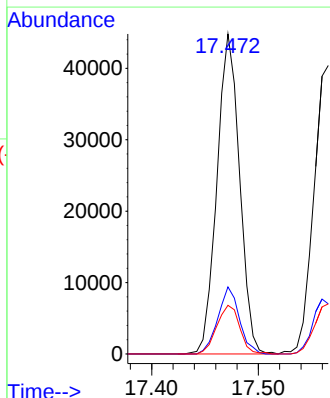
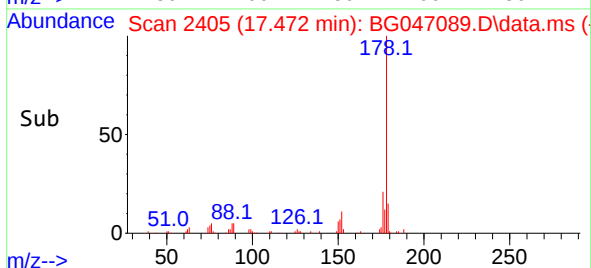
Tgt Ion:	266	Resp:	6701
Ion Ratio	Lower	Upper	
266	100		
268	52.6	49.8	74.6
264	54.8	49.3	73.9



#71
Phenanthrene
Concen: 4.64 ng
RT: 17.472 min Scan# 2405
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



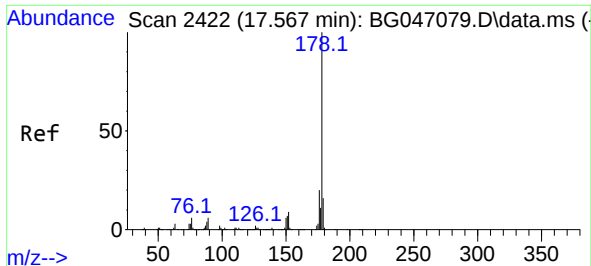
Tgt Ion:	178	Resp:	65901
Ion Ratio	Lower	Upper	
178	100		
176	21.0	16.7	25.1
179	15.2	14.0	21.0



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

mohammad
10/28/2020 8:05:48 AM



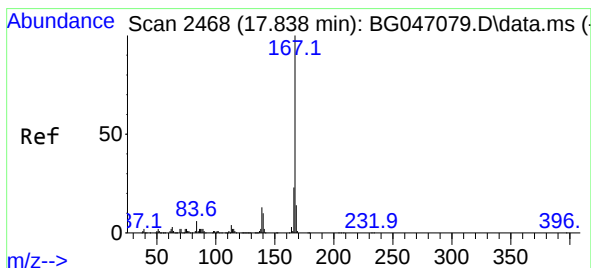
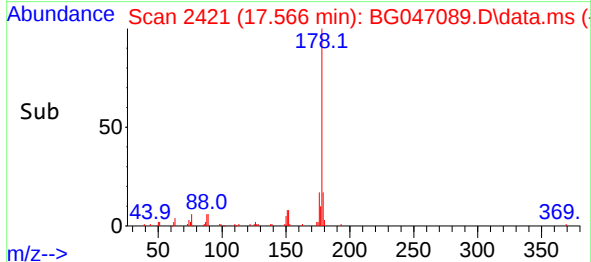
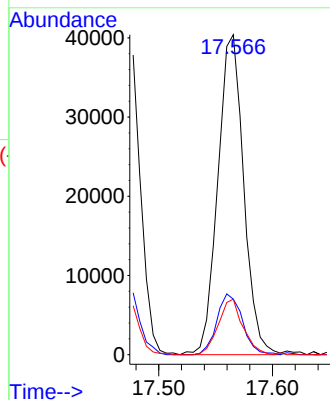
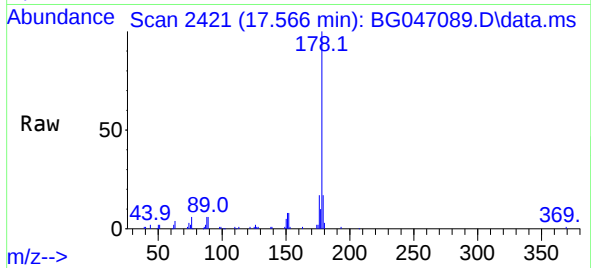
#72
 Anthracene
 Concen: 4.59 ng
 RT: 17.566 min Scan# 2421
 Delta R.T. -0.002 min
 Lab File: BG047089.D
 Acq: 27 Oct 2020 11:03

Tgt Ion:	178	Resp:	63807
Ion Ratio	Lower	Upper	
178	100		
176	17.4	16.4	24.6
179	17.3	13.8	20.6

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

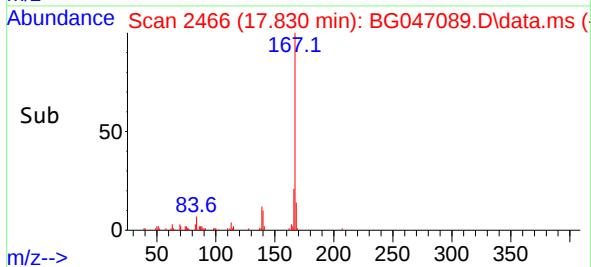
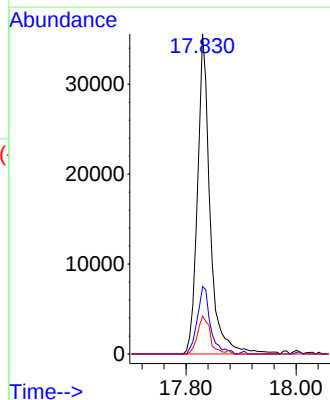
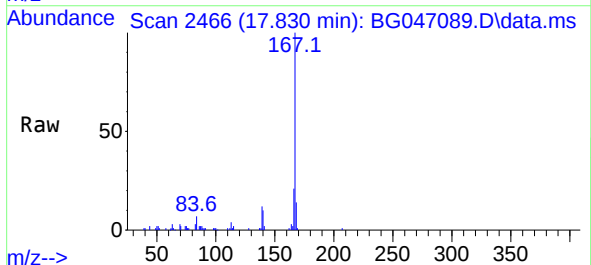
Manual Integrations
 APPROVED

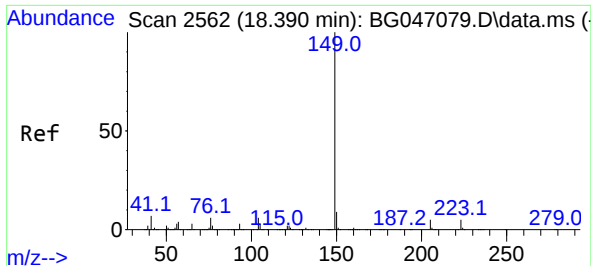
mohammad
 10/28/2020 8:05:48 AM



#73
 Carbazole
 Concen: 4.56 ng
 RT: 17.830 min Scan# 2466
 Delta R.T. -0.008 min
 Lab File: BG047089.D
 Acq: 27 Oct 2020 11:03

Tgt Ion:	167	Resp:	56448
Ion Ratio	Lower	Upper	
167	100		
166	21.1	18.7	28.1
139	11.9	9.6	14.4





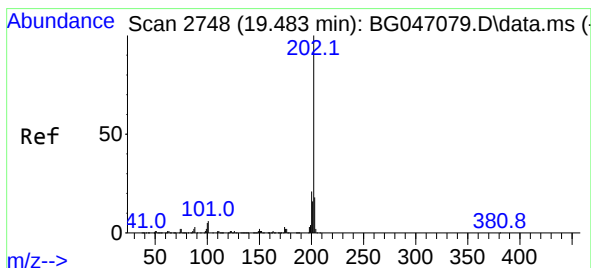
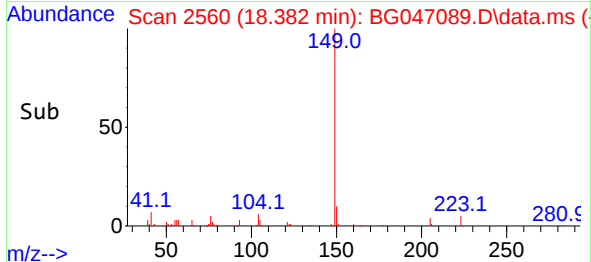
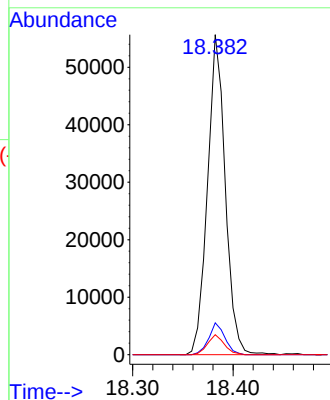
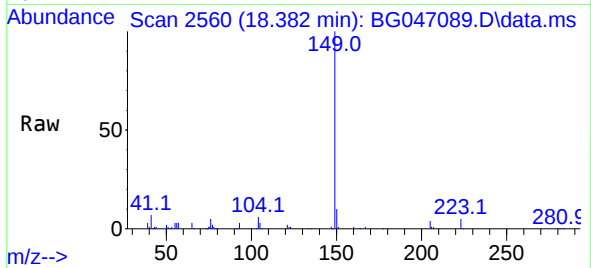
#74
Di-n-butylphthalate
Concen: 4.48 ng
RT: 18.382 min Scan# 2560
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:	149	Resp:	68519
Ion Ratio	Lower	Upper	
149	100		
150	9.9	8.2	12.4
104	6.3	3.8	5.8#

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

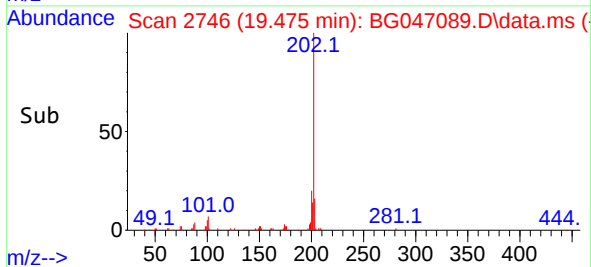
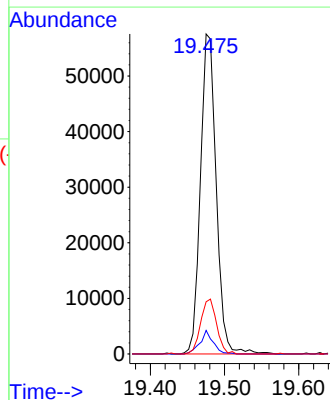
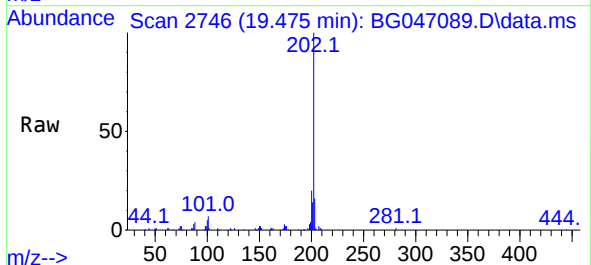
Manual Integrations
APPROVED

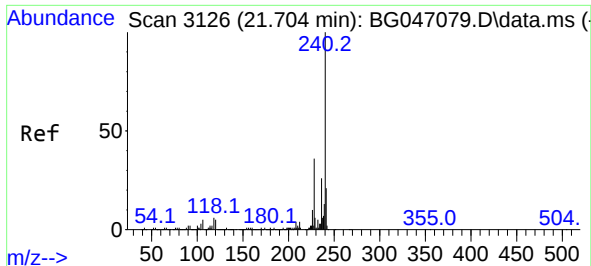
mohammad
10/28/2020 8:05:48 AM



#75
Fluoranthene
Concen: 4.67 ng
RT: 19.475 min Scan# 2746
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:	202	Resp:	85226
Ion Ratio	Lower	Upper	
202	100		
101	7.4	0.0	29.7
203	16.3	0.0	39.2





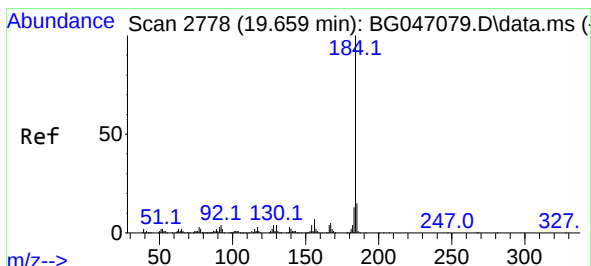
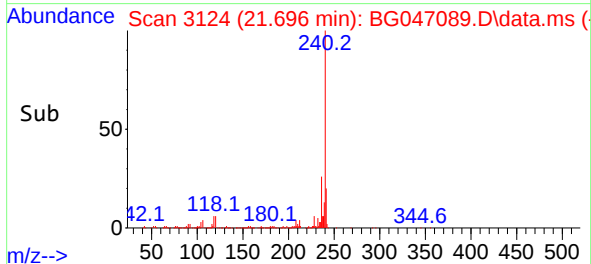
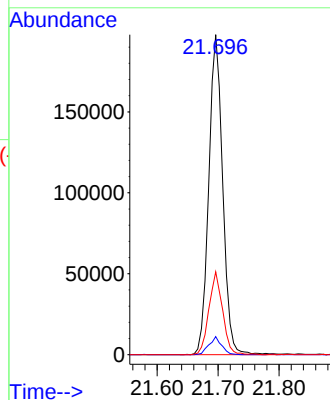
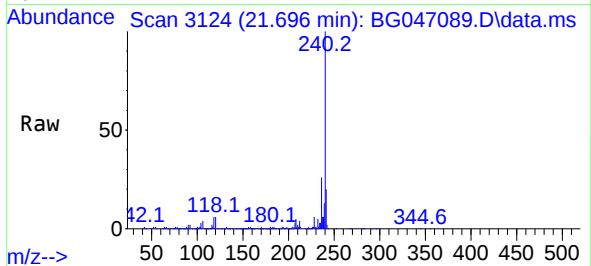
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.696 min Scan# 3124
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:240 Resp: 314260
Ion Ratio Lower Upper
240 100
120 5.6 6.2 9.4#
236 25.9 20.5 30.7

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

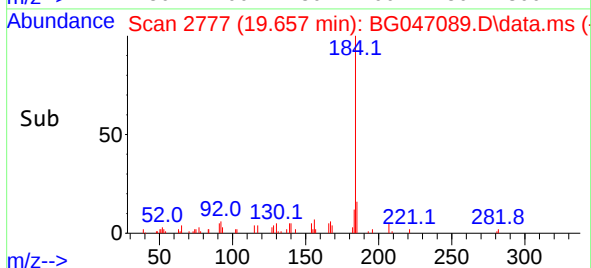
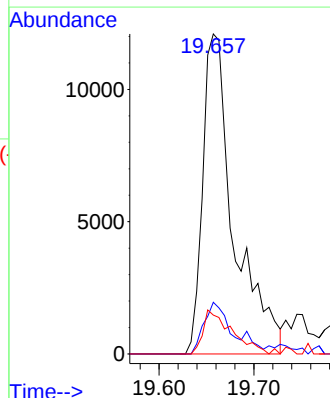
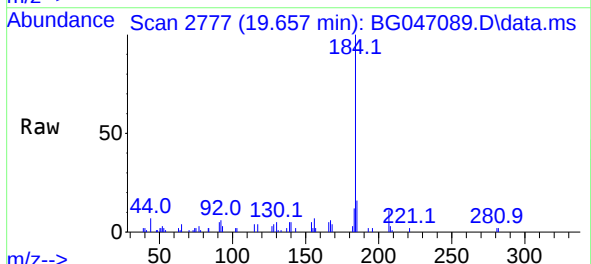
Manual Integrations
APPROVED

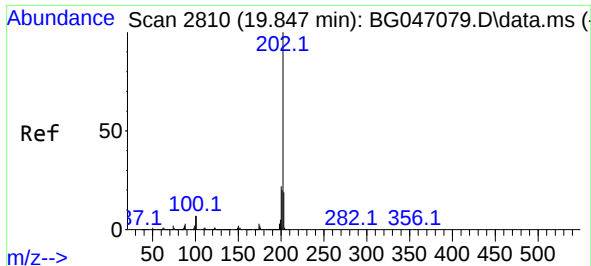
mohammad
10/28/2020 8:05:48 AM



#77
Benzidine
Concen: 3.84 ng
RT: 19.657 min Scan# 2777
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

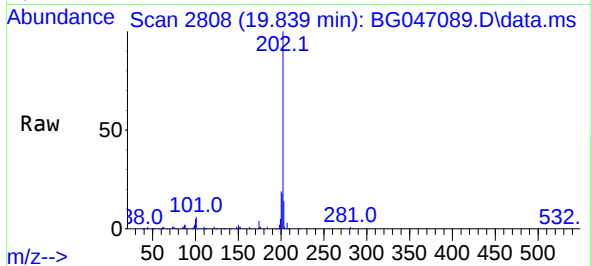
Tgt Ion:184 Resp: 27574
Ion Ratio Lower Upper
184 100
185 16.2 12.4 18.6
183 12.2 10.6 15.8





#78
Pyrene
Concen: 4.43 ng m
RT: 19.839 min Scan# 2808
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

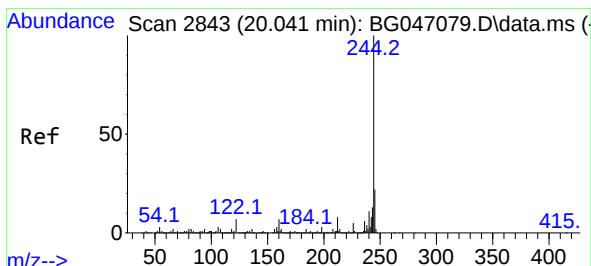
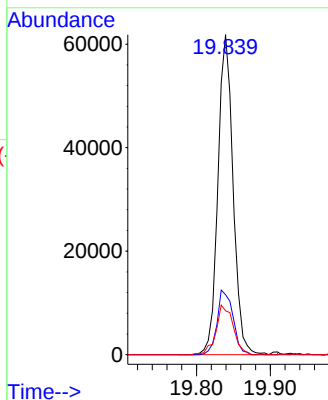
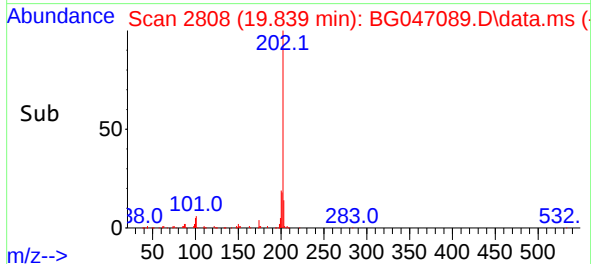
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



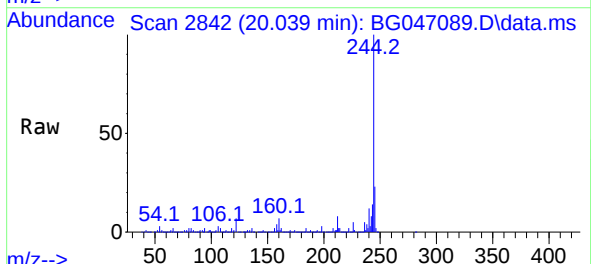
Tgt Ion:202 Resp: 88682
Ion Ratio Lower Upper
202 100
200 18.7 18.6 27.8
203 13.7 15.3 22.9#

Manual Integrations
APPROVED

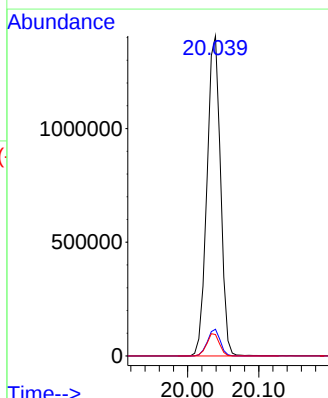
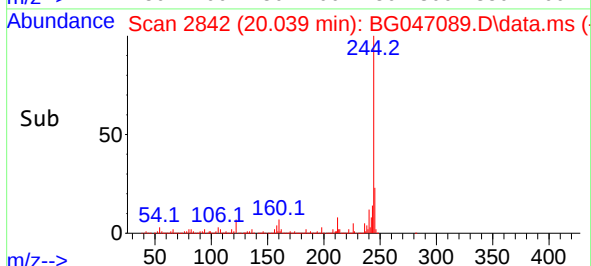
mohammad
10/28/2020 8:05:48 AM

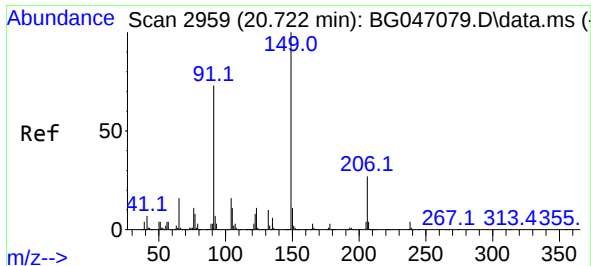


#79
Terphenyl-d14
Concen: 115.50 ng
RT: 20.039 min Scan# 2842
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

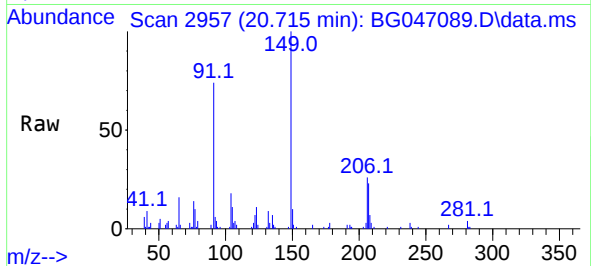


Tgt Ion:244 Resp: 1866753
Ion Ratio Lower Upper
244 100
212 8.3 6.7 10.1
122 6.7 7.8 11.6#

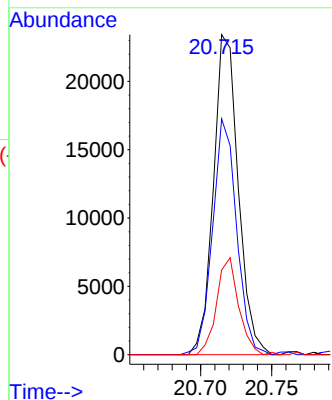




#80
Butylbenzylphthalate
Concen: 3.70 ng
RT: 20.715 min Scan# 2957
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



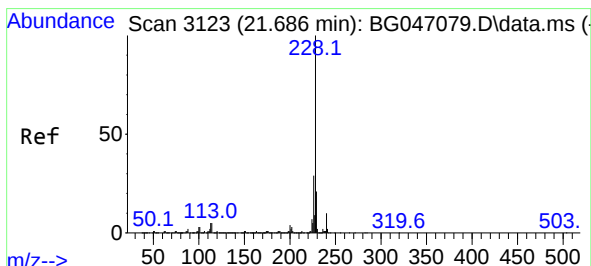
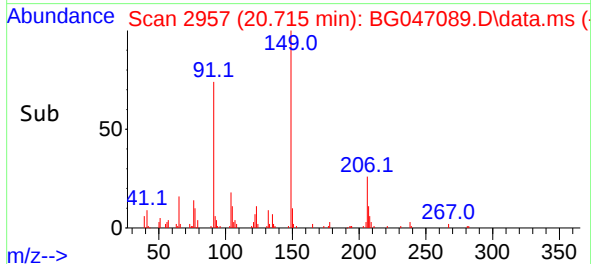
Tgt Ion:149 Resp: 28437
Ion Ratio Lower Upper
149 100
91 73.7 51.5 77.3
206 26.4 21.2 31.8



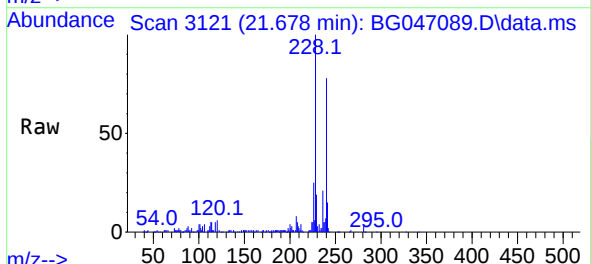
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

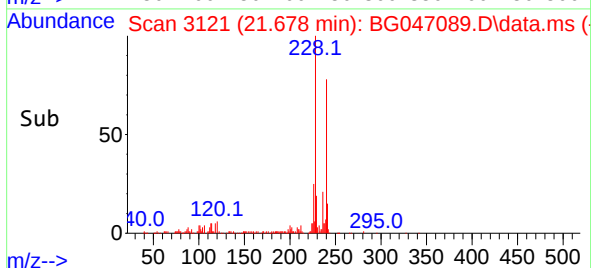
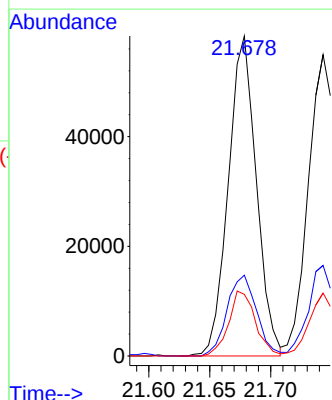
mohammad
10/28/2020 8:05:48 AM

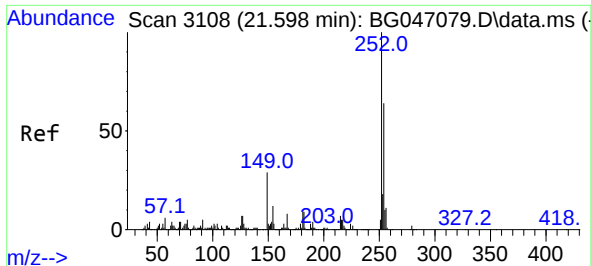


#81
Benzo(a)anthracene
Concen: 4.55 ng
RT: 21.678 min Scan# 3121
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



Tgt Ion:228 Resp: 93588
Ion Ratio Lower Upper
228 100
226 25.3 23.3 34.9
229 19.3 17.4 26.0





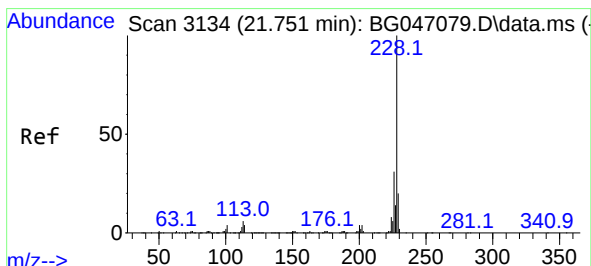
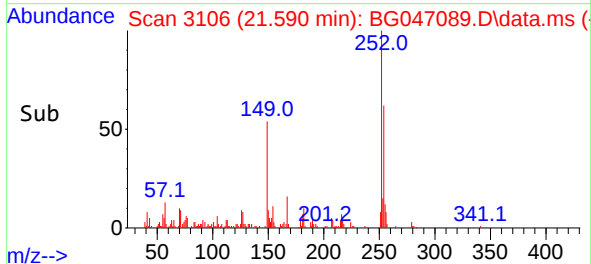
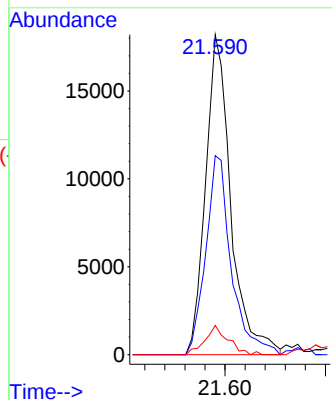
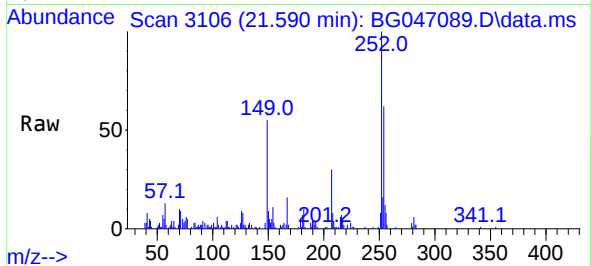
#82
3,3'-Dichlorobenzidine
Concen: 4.26 ng
RT: 21.590 min Scan# 3106
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:252 Resp: 31808
Ion Ratio Lower Upper
252 100
254 62.2 53.2 79.8
126 9.2 6.8 10.2

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

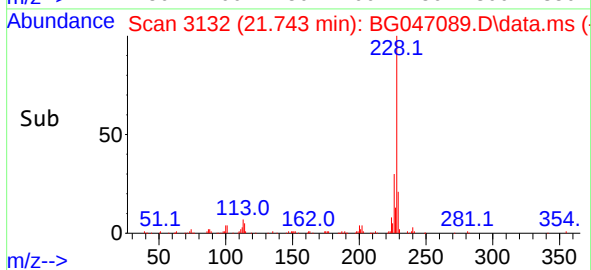
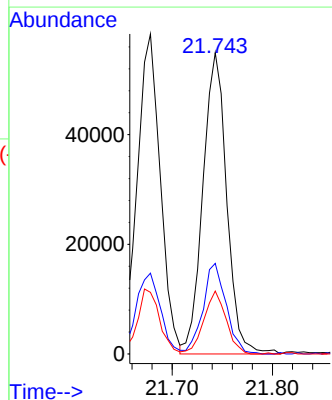
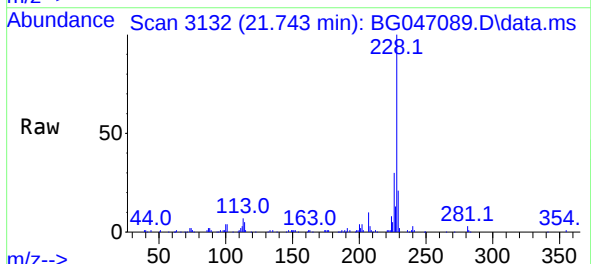
Manual Integrations
APPROVED

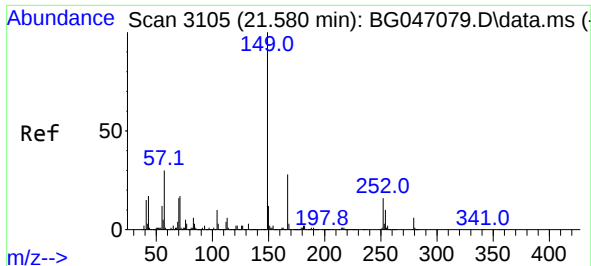
mohammad
10/28/2020 8:05:48 AM



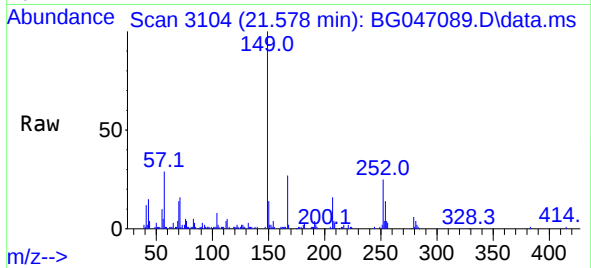
#83
Chrysene
Concen: 4.63 ng
RT: 21.743 min Scan# 3132
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:228 Resp: 90726
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.4
229 20.9 17.3 25.9

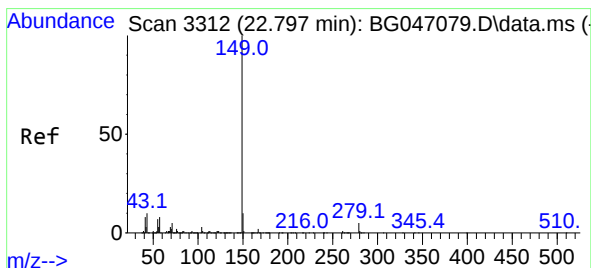
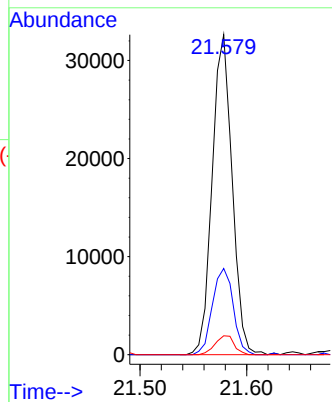
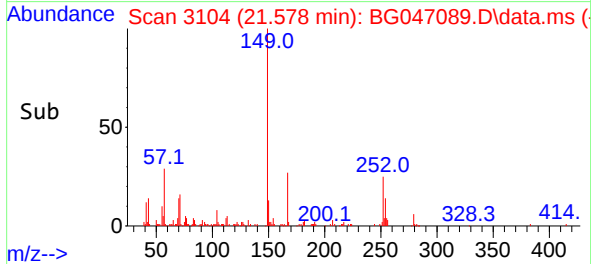




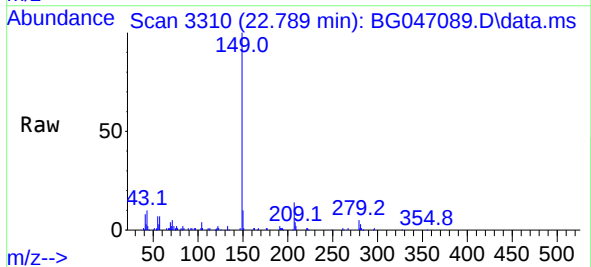
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.93 ng
RT: 21.578 min Scan# 3104
Delta R.T. -0.002 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



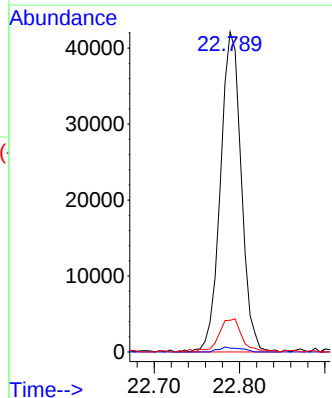
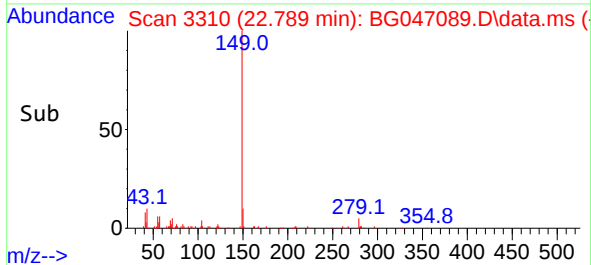
Tgt Ion:149 Resp: 42501
Ion Ratio Lower Upper
149 100
167 27.0 24.8 37.2
279 5.9 4.6 7.0



#85
Di-n-octyl phthalate
Concen: 3.93 ng
RT: 22.789 min Scan# 3310
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



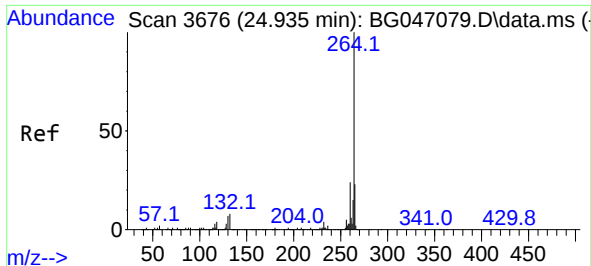
Tgt Ion:149 Resp: 71476
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.2
43 11.7 6.8 10.2#



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

mohammad
10/28/2020 8:05:48 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.928 min Scan# 3674
Delta R.T. -0.008 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

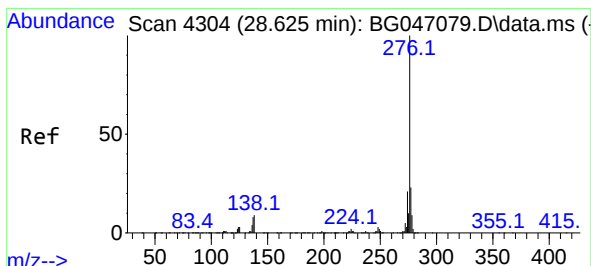
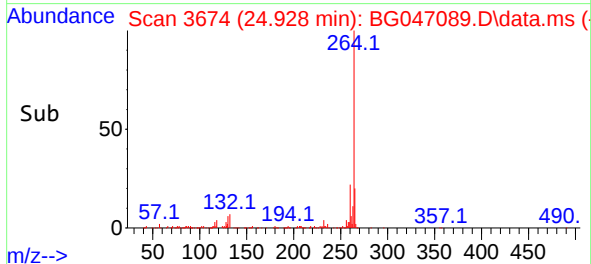
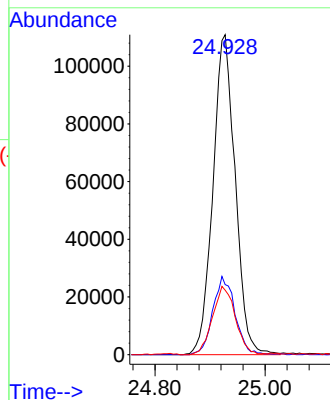
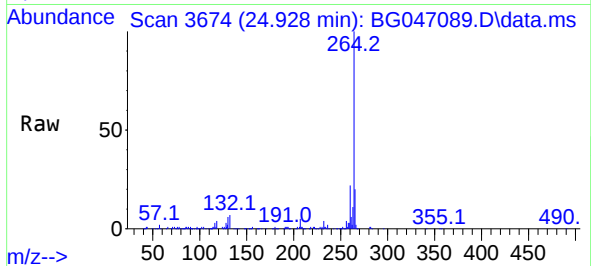
Tgt Ion: 264 Resp: 311772

Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.8	28.2
265	20.1	17.8	26.8

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

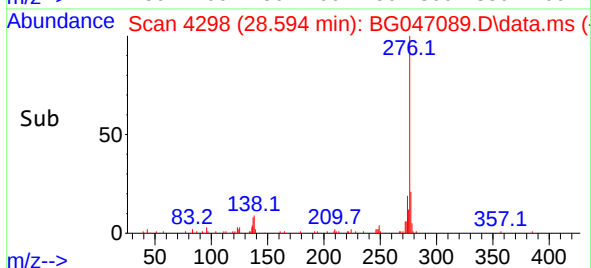
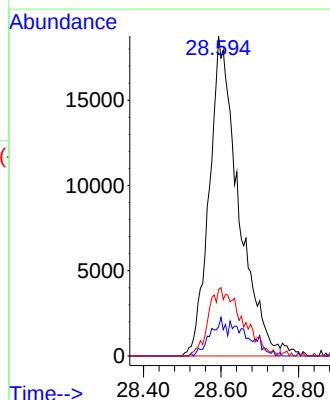
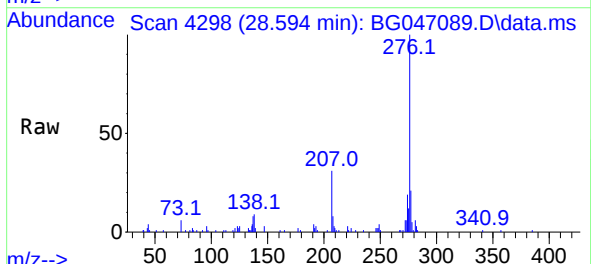
mohammad
10/28/2020 8:05:48 AM

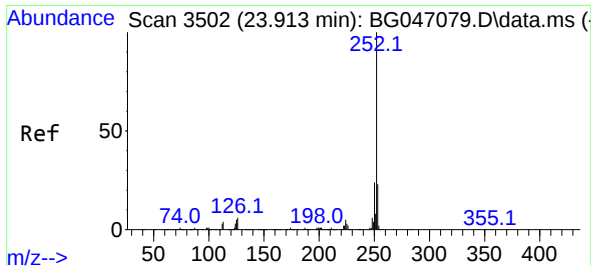


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.29 ng
RT: 28.594 min Scan# 4298
Delta R.T. -0.031 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion: 276 Resp: 97564

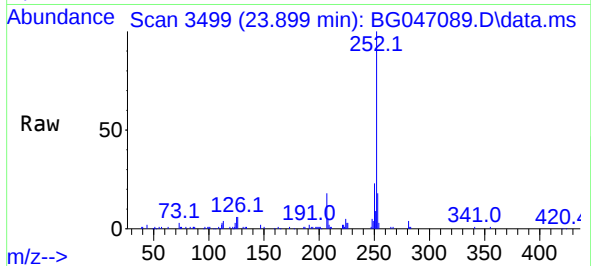
Ion	Ratio	Lower	Upper
276	100		
138	6.4	16.2	24.2#
277	24.7	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 4.26 ng
RT: 23.899 min Scan# 3499
Delta R.T. -0.014 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

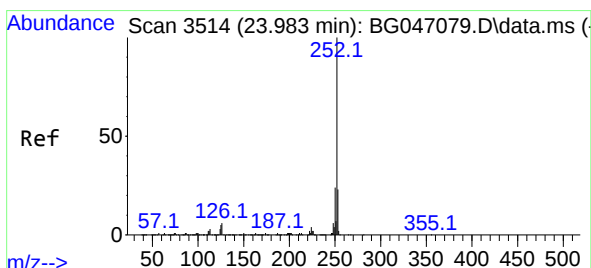
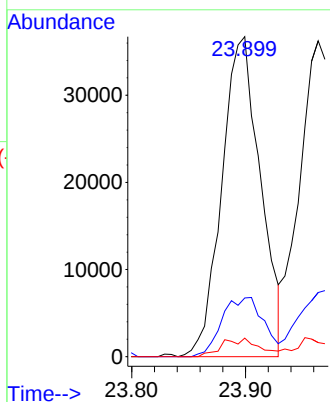
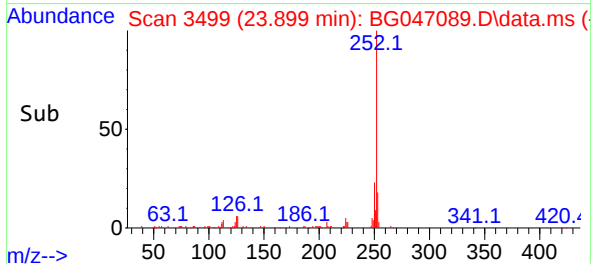
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



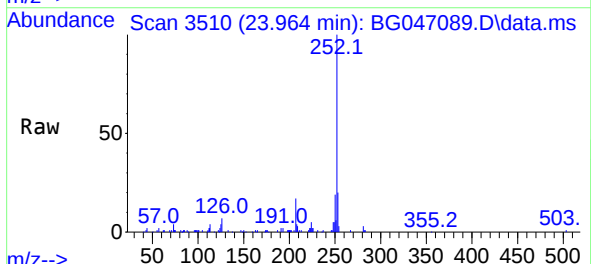
Tgt Ion:252 Resp: 86752
Ion Ratio Lower Upper
252 100
253 18.3 18.7 28.1#
125 5.8 6.5 9.7#

Manual Integrations
APPROVED

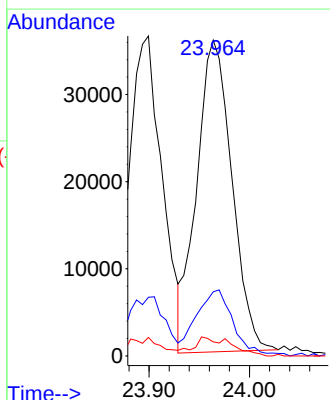
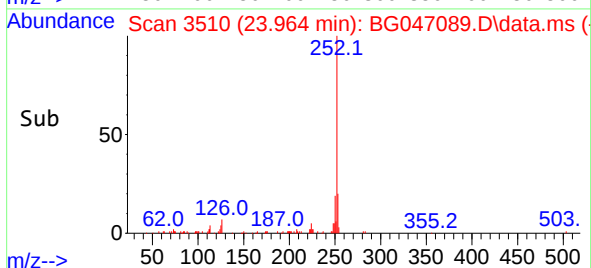
mohammad
10/28/2020 8:05:48 AM

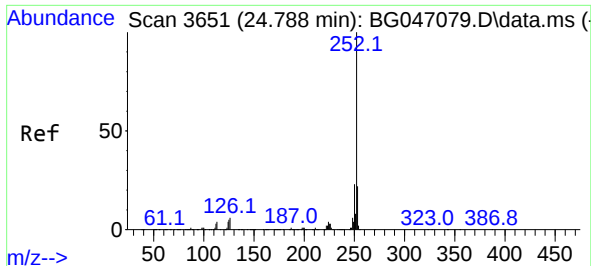


#89
Benzo(k)fluoranthene
Concen: 4.42 ng
RT: 23.964 min Scan# 3510
Delta R.T. -0.019 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



Tgt Ion:252 Resp: 87433
Ion Ratio Lower Upper
252 100
253 20.3 18.6 27.8
125 4.5 6.8 10.2#





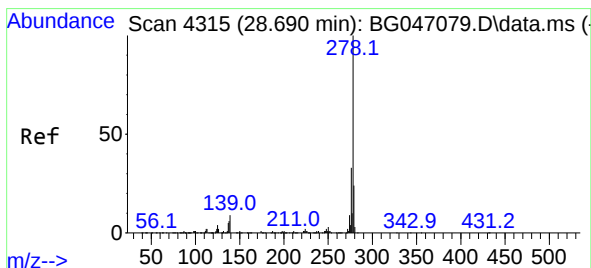
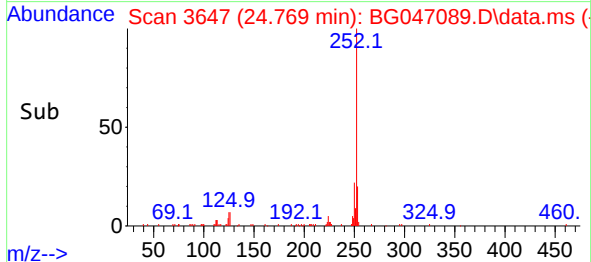
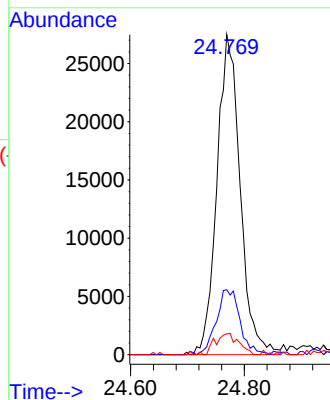
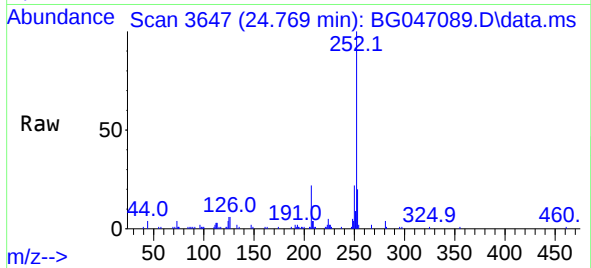
#90
Benzo(a)pyrene
Concen: 4.09 ng
RT: 24.769 min Scan# 3647
Delta R.T. -0.019 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:252 Resp: 77930
Ion Ratio Lower Upper
252 100
253 20.3 17.9 26.9
125 6.5 7.0 10.4#

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

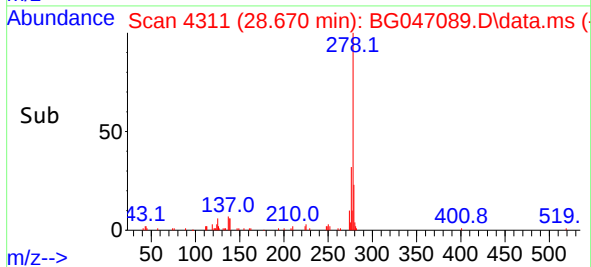
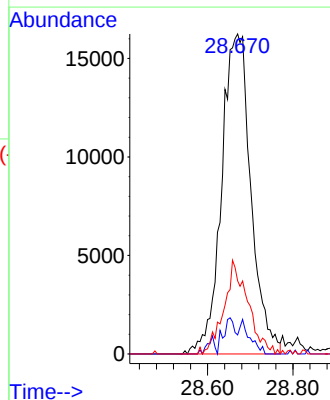
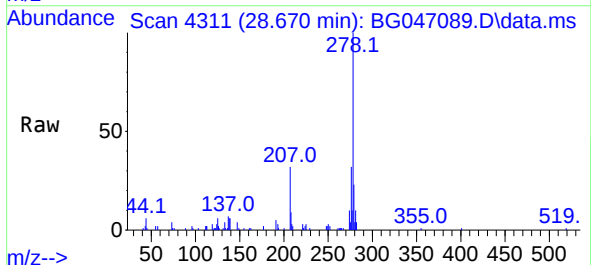
Manual Integrations
APPROVED

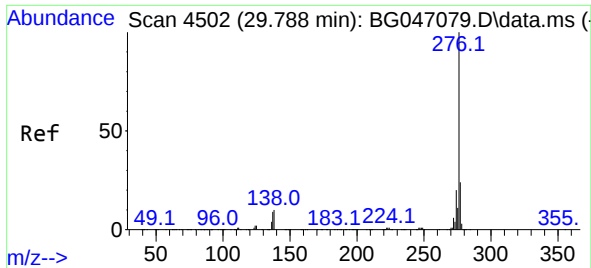
mohammad
10/28/2020 8:05:48 AM



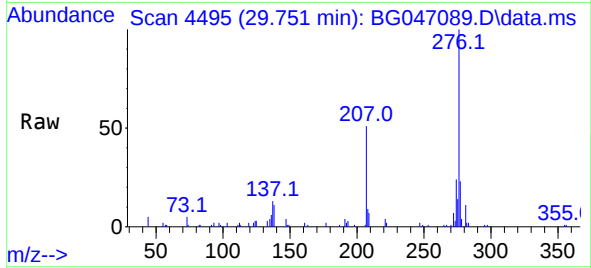
#91
Dibenzo(a,h)anthracene
Concen: 4.20 ng
RT: 28.670 min Scan# 4311
Delta R.T. -0.019 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03

Tgt Ion:278 Resp: 77633
Ion Ratio Lower Upper
278 100
139 6.0 10.5 15.7#
279 22.9 19.4 29.0

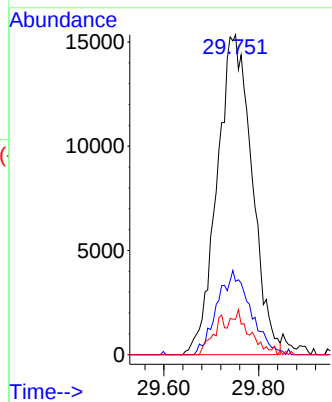
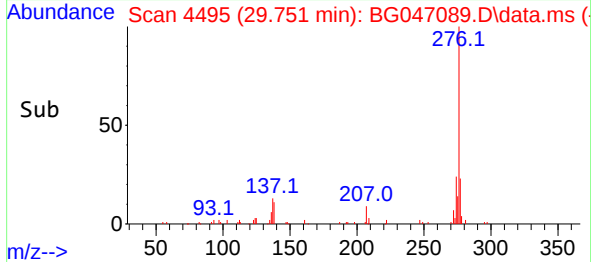




#92
Benzo(g,h,i)perylene
Concen: 4.27 ng
RT: 29.751 min Scan# 4495
Delta R.T. -0.037 min
Lab File: BG047089.D
Acq: 27 Oct 2020 11:03



Tgt Ion: 276 Resp: 78415
Ion Ratio Lower Upper
276 100
277 23.0 19.6 29.4
138 11.1 13.4 20.2#



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

mohammad
10/28/2020 8:05:48 AM