

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072221\
 Data File : BG049407.D
 Acq On : 22 Jul 2021 11:45
 Operator : CG/JU
 Sample : M2940-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
 APPROVED

mohammad
 7/23/2021 11:50:29 AM

Quant Time: Jul 22 12:19:54 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 10:56:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.060	152	22785	20.00	ng	0.01
21) Naphthalene-d8	10.880	136	91416	20.00	ng	# 0.00
39) Acenaphthene-d10	14.704	164	62317	20.00	ng	0.00
64) Phenanthrene-d10	17.454	188	131583	20.00	ng	# 0.00
76) Chrysene-d12	21.730	240	144213	20.00	ng	0.00
86) Perylene-d12	25.014	264	152167	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.605	112	170191	126.73	ng	0.00
7) Phenol-d6	7.215	99	246695	126.13	ng	0.00
23) Nitrobenzene-d5	9.229	82	171591	84.10	ng	0.00
42) 2,4,6-Tribromophenol	16.196	330	106745	127.91	ng	0.00
45) 2-Fluorobiphenyl	13.330	172	356040	82.21	ng	0.00
79) Terphenyl-d14	20.062	244	605440	81.99	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.473	88	5453	8.96	ng	94
3) Pyridine	3.896	79	11565m	7.46	ng	
4) n-Nitrosodimethylamine	3.807	42	5398	7.09	ng	# 68
6) Aniline	7.379	93	18795	8.89	ng	# 88
8) 2-Chlorophenol	7.620	128	10980	7.97	ng	81
9) Benzaldehyde	7.191	77	13032	10.03	ng	# 83
10) Phenol	7.238	94	15365	8.25	ng	95
11) bis(2-Chloroethyl)ether	7.467	93	10497	8.22	ng	99
12) 1,3-Dichlorobenzene	7.949	146	12470	7.66	ng	91
13) 1,4-Dichlorobenzene	8.090	146	13582m	8.38	ng	
14) 1,2-Dichlorobenzene	8.413	146	12246	7.82	ng	91
15) Benzyl Alcohol	8.295	79	11532	7.21	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.589	45	12641	8.48	ng	97
17) 2-Methylphenol	8.501	107	10181	8.21	ng	92
18) Hexachloroethane	9.153	117	5123	8.13	ng	# 79
19) n-Nitroso-di-n-propyla...	8.865	70	9875	7.68	ng	# 82
20) 3+4-Methylphenols	8.830	107	13930	8.19	ng	90
22) Acetophenone	8.883	105	20480	8.37	ng	# 88
24) Nitrobenzene	9.271	77	17048	7.96	ng	# 97
25) Isophorone	9.788	82	26415	7.31	ng	# 93
26) 2-Nitrophenol	9.987	139	5163	6.64	ng	# 85
27) 2,4-Dimethylphenol	10.040	122	10324	8.30	ng	87
28) bis(2-Chloroethoxy)met...	10.275	93	13821	8.57	ng	# 94
29) 2,4-Dichlorophenol	10.522	162	10125	7.02	ng	97
30) 1,2,4-Trichlorobenzene	10.739	180	12588	7.73	ng	96
31) Naphthalene	10.927	128	37120	7.70	ng	97
32) Benzoic acid	10.140	122	2686m	3.29	ng	
33) 4-Chloroaniline	11.039	127	14011	7.62	ng	# 95
34) Hexachlorobutadiene	11.221	225	8319	7.13	ng	97
35) Caprolactam	11.797	113	3181	7.10	ng	# 79
36) 4-Chloro-3-methylphenol	12.161	107	12930	7.60	ng	86
37) 2-Methylnaphthalene	12.531	142	28199	8.01	ng	96
38) 1-Methylnaphthalene	12.754	142	24843	7.38	ng	100
40) 1,2,4,5-Tetrachloroben...	12.895	216	14032	7.61	ng	96
41) Hexachlorocyclopentadiene	12.877	237	6695	8.14	ng	91
43) 2,4,6-Trichlorophenol	13.136	196	8349	6.95	ng	89

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072221\
 Data File : BG049407.D
 Acq On : 22 Jul 2021 11:45
 Operator : CG/JU
 Sample : M2940-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2021

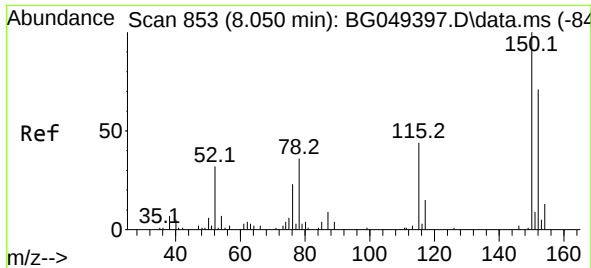
Manual Integrations
 APPROVED

mohammad
 7/23/2021 11:50:29 AM

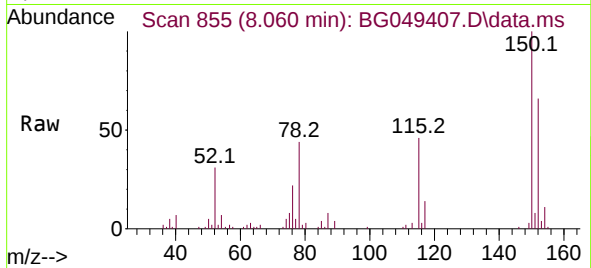
Quant Time: Jul 22 12:19:54 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 10:56:49 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	13.218	196	9584	7.37	ng	#	84
46) 1,1'-Biphenyl	13.535	154	35928	7.86	ng		99
47) 2-Chloronaphthalene	13.582	162	26412	7.53	ng		99
48) 2-Nitroaniline	13.776	65	9890	8.10	ng	#	82
49) Acenaphthylene	14.428	152	43448	7.64	ng		97
50) Dimethylphthalate	14.152	163	35345	7.81	ng		97
51) 2,6-Dinitrotoluene	14.276	165	7205	7.33	ng		92
52) Acenaphthene	14.769	154	25582	7.45	ng		99
53) 3-Nitroaniline	14.605	138	7532	7.64	ng		93
54) 2,4-Dinitrophenol	14.816	184	2495	6.03	ng	#	74
55) Dibenzofuran	15.104	168	41731	7.57	ng	#	96
56) 4-Nitrophenol	14.916	139	4476	5.76	ng	#	88
57) 2,4-Dinitrotoluene	15.063	165	9966	7.34	ng		93
58) Fluorene	15.756	166	33268	7.45	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.333	232	8289	6.97	ng	#	96
60) Diethylphthalate	15.515	149	35631	7.84	ng	#	91
61) 4-Chlorophenyl-phenyle...	15.744	204	17383	7.65	ng	#	88
62) 4-Nitroaniline	15.768	138	7665	7.39	ng	#	79
63) Azobenzene	16.038	77	39215	7.79	ng		86
65) 4,6-Dinitro-2-methylph...	15.826	198	3757	5.27	ng		86
66) n-Nitrosodiphenylamine	15.956	169	27826	7.36	ng		98
67) 4-Bromophenyl-phenylether	16.637	248	11575	7.77	ng		96
68) Hexachlorobenzene	16.760	284	12967	7.68	ng		96
69) Atrazine	16.901	200	12578	8.40	ng		89
70) Pentachlorophenol	17.107	266	3717	4.90	ng		97
71) Phenanthrene	17.495	178	54515	7.71	ng		95
72) Anthracene	17.589	178	56715	8.16	ng		96
73) Carbazole	17.859	167	49753	7.52	ng		96
74) Di-n-butylphthalate	18.411	149	59116	7.84	ng		99
75) Fluoranthene	19.504	202	67145	7.62	ng		97
77) Benzidine	19.686	184	35809	8.97	ng		99
78) Pyrene	19.868	202	70625	7.46	ng		96
80) Butylbenzylphthalate	20.743	149	26019	7.56	ng		97
81) Benzo(a)anthracene	21.713	228	69307	7.59	ng		99
82) 3,3'-Dichlorobenzidine	21.624	252	26705	10.13	ng	#	99
83) Chrysene	21.777	228	63878	7.25	ng		98
84) Bis(2-ethylhexyl)phtha...	21.613	149	39023	7.56	ng		97
85) Di-n-octyl phthalate	22.840	149	66220	7.43	ng		100
87) Indeno(1,2,3-cd)pyrene	28.750	276	82422	7.65	ng	#	59
88) Benzo(b)fluoranthene	23.968	252	70989m	7.24	ng		
89) Benzo(k)fluoranthene	24.033	252	72178	7.91	ng		97
90) Benzo(a)pyrene	24.855	252	71211	8.01	ng		99
91) Dibenzo(a,h)anthracene	28.821	278	70072	7.75	ng		98
92) Benzo(g,h,i)perylene	29.925	276	69346	7.75	ng		98

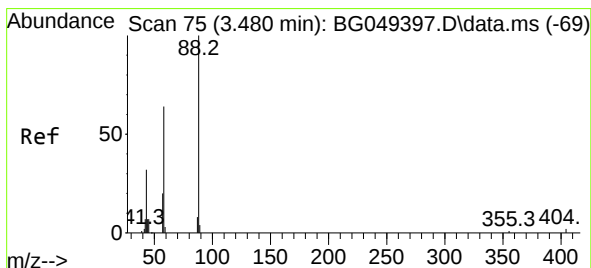
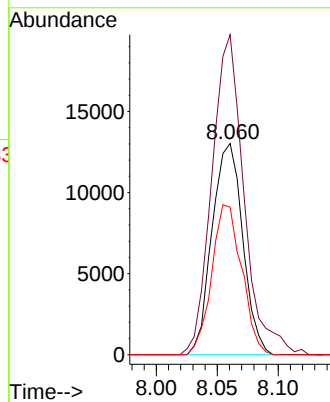
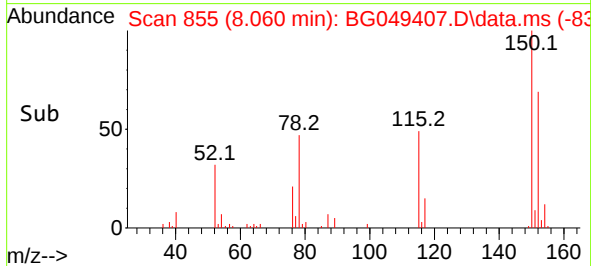
(#) = qualifier out of range (m) = manual integration (+) = signals summed



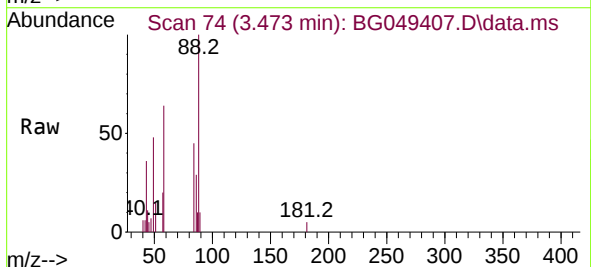
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.060 min Scan# 855
Delta R.T. 0.010 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



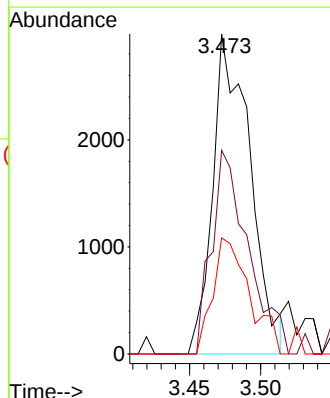
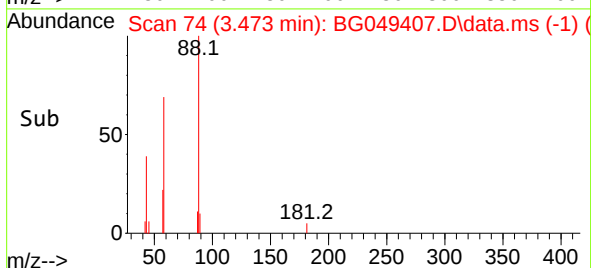
Tgt Ion:152 Resp: 22785
Ion Ratio Lower Upper
152 100
150 151.5 119.4 179.0
115 69.9 60.2 90.4



#2
1,4-Dioxane
Concen: 8.96 ng
RT: 3.473 min Scan# 74
Delta R.T. -0.007 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



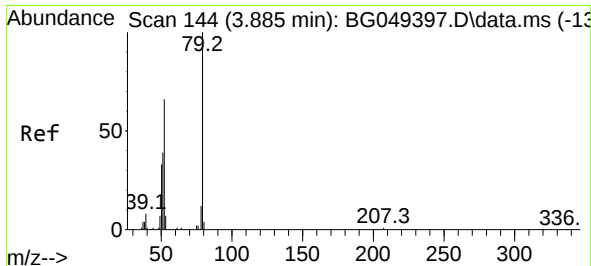
Tgt Ion: 88 Resp: 5453
Ion Ratio Lower Upper
88 100
58 62.6 55.7 83.5
43 35.7 29.3 43.9



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

mohammad
7/23/2021 11:50:29 AM



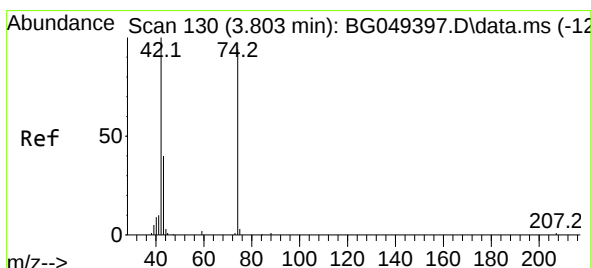
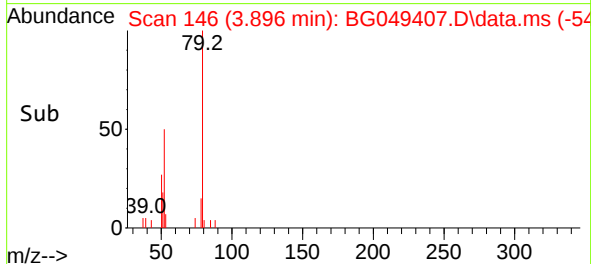
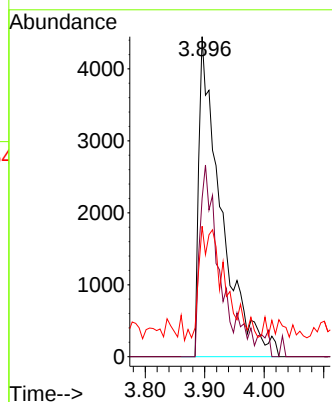
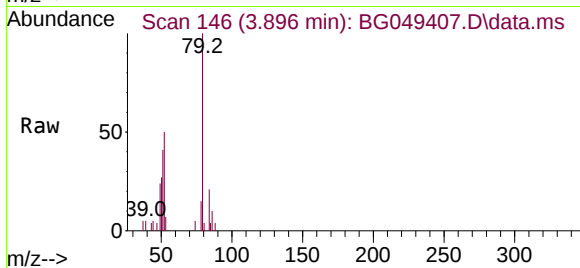
#3
Pyridine
Concen: 7.46 ng m
RT: 3.896 min Scan# 146
Delta R.T. 0.011 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion	Ratio	Lower	Upper
79	100		
52	49.5	58.4	87.6#
51	40.7	37.0	55.6

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

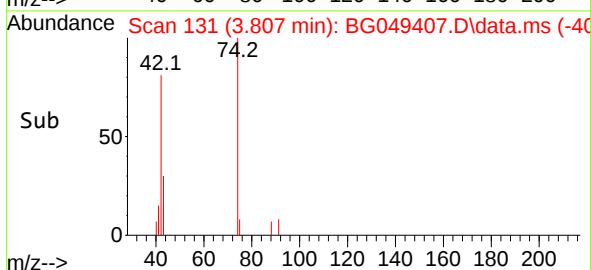
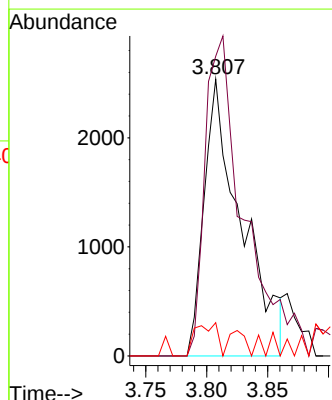
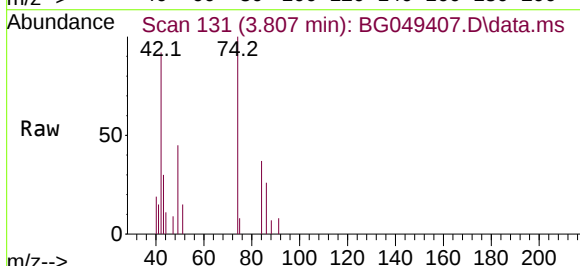
Manual Integrations
APPROVED

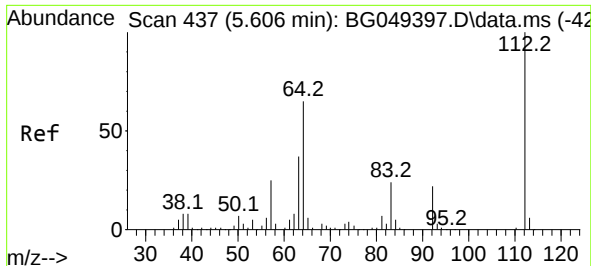
mohammad
7/23/2021 11:50:29 AM



#4
n-Nitrosodimethylamine
Concen: 7.09 ng
RT: 3.807 min Scan# 131
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion	Ratio	Lower	Upper
42	100		
74	108.3	64.0	96.0#
44	12.0	2.7	4.1#





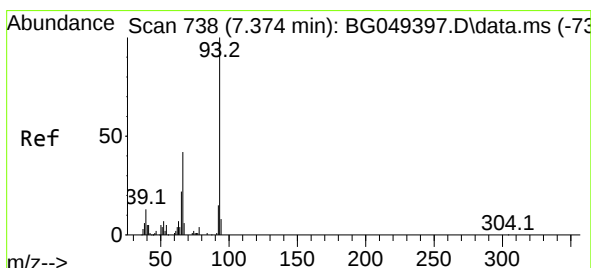
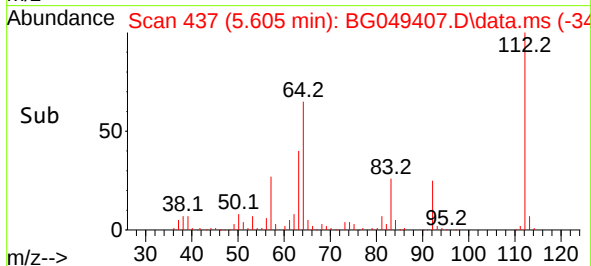
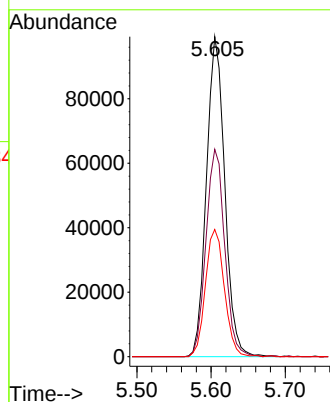
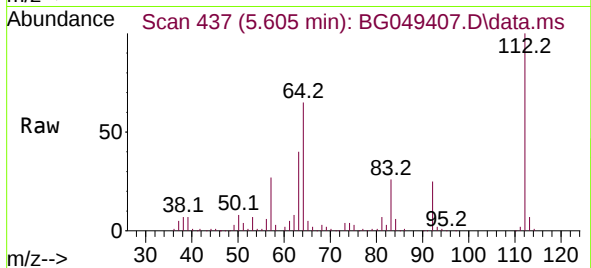
#5
2-Fluorophenol
Concen: 126.73 ng
RT: 5.605 min Scan# 437
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:	112	Resp:	170191
Ion Ratio	Lower	Upper	
112	100		
64	64.8	46.7	70.1
63	39.7	35.3	52.9

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

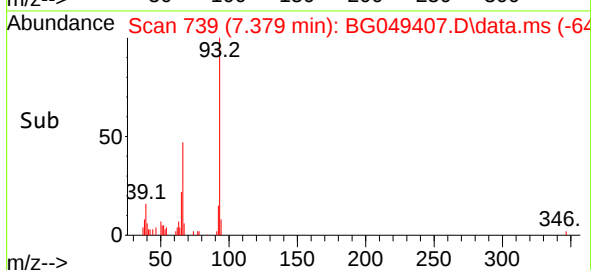
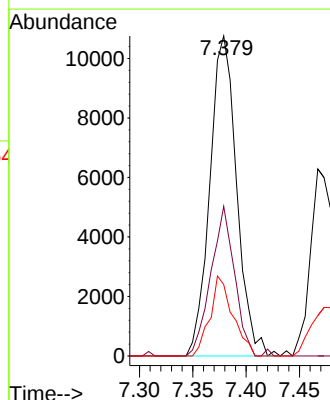
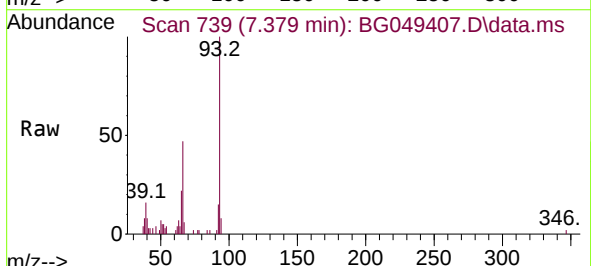
Manual Integrations
APPROVED

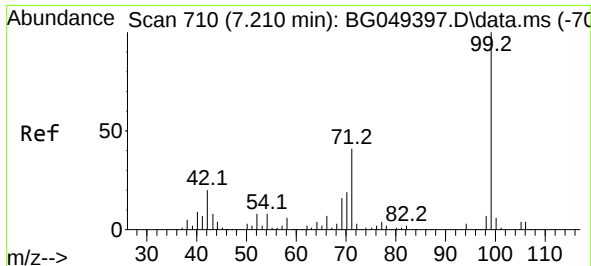
mohammad
7/23/2021 11:50:29 AM



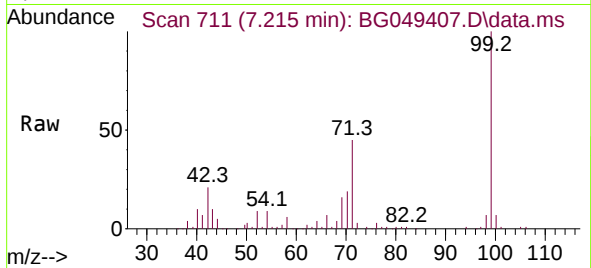
#6
Aniline
Concen: 8.89 ng
RT: 7.379 min Scan# 739
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:	93	Resp:	18795
Ion Ratio	Lower	Upper	
93	100		
66	46.7	30.6	45.8#
65	22.3	15.0	22.4

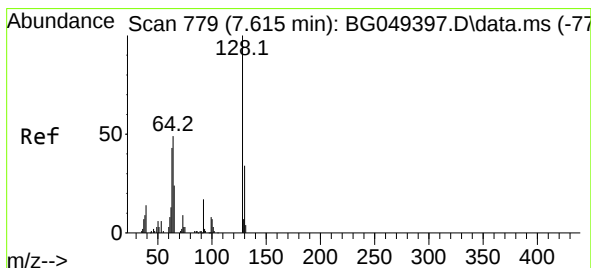
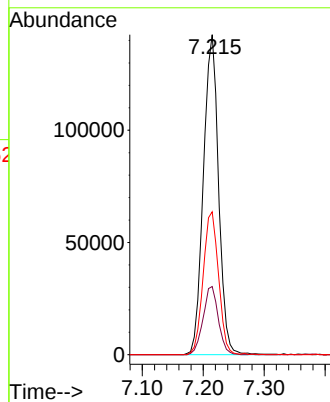
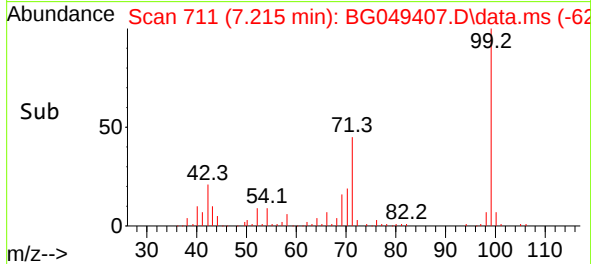




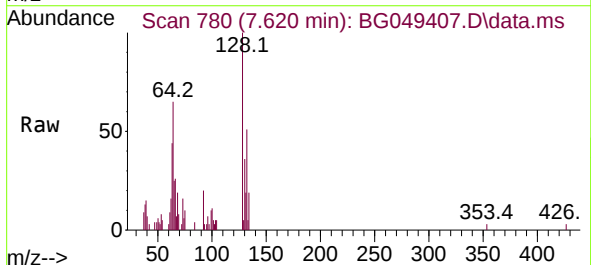
#7
Phenol-d6
Concen: 126.13 ng
RT: 7.215 min Scan# 711
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



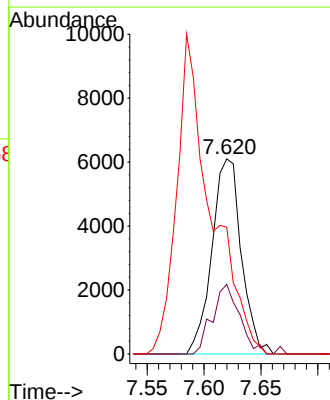
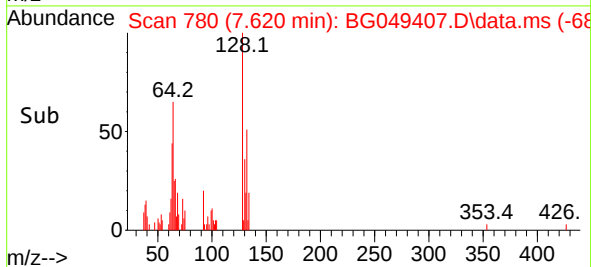
Tgt Ion: 99 Resp: 246695
Ion Ratio Lower Upper
99 100
42 21.3 20.5 30.7
71 44.7 41.5 62.3



#8
2-Chlorophenol
Concen: 7.97 ng
RT: 7.620 min Scan# 780
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



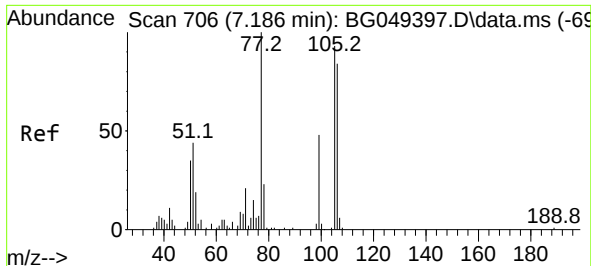
Tgt Ion: 128 Resp: 10980
Ion Ratio Lower Upper
128 100
130 35.7 10.0 50.0
64 64.9 28.1 68.1



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

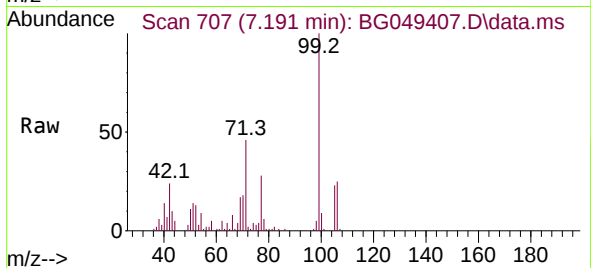
Manual Integrations
APPROVED

mohammad
7/23/2021 11:50:29 AM



#9
Benzaldehyde
Concen: 10.03 ng
RT: 7.191 min Scan# 707
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

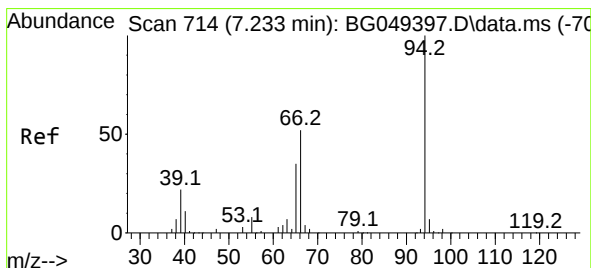
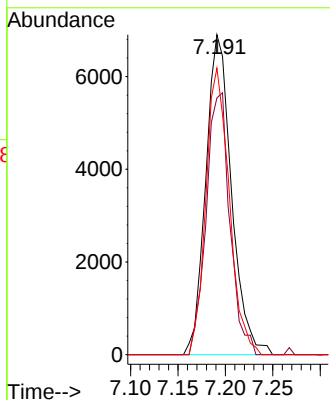
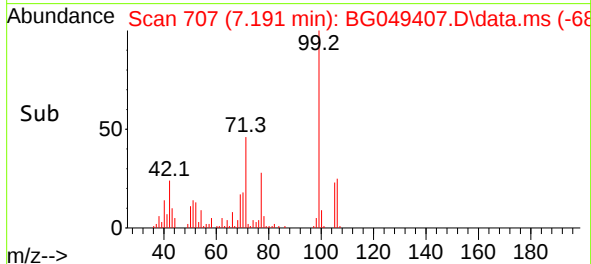
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



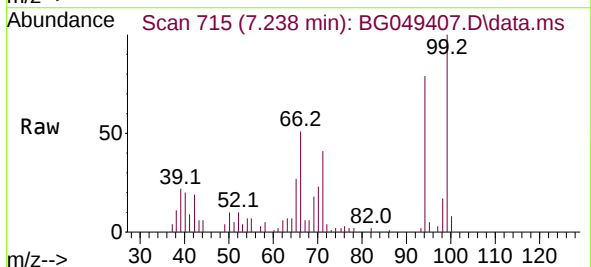
Tgt Ion: 77 Resp: 13032
Ion Ratio Lower Upper
77 100
105 80.3 68.8 108.8
106 89.6 47.9 87.9#

Manual Integrations
APPROVED

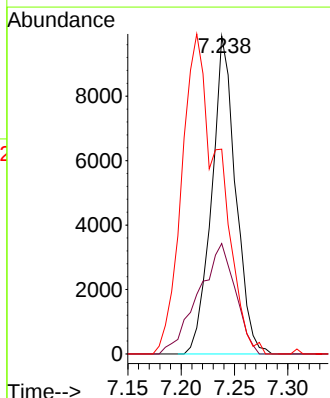
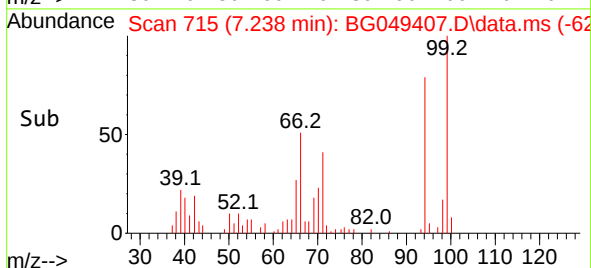
mohammad
7/23/2021 11:50:29 AM

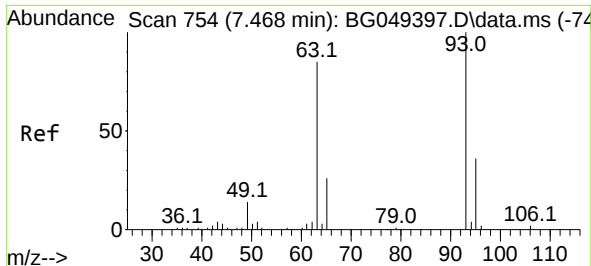


#10
Phenol
Concen: 8.25 ng
RT: 7.238 min Scan# 715
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



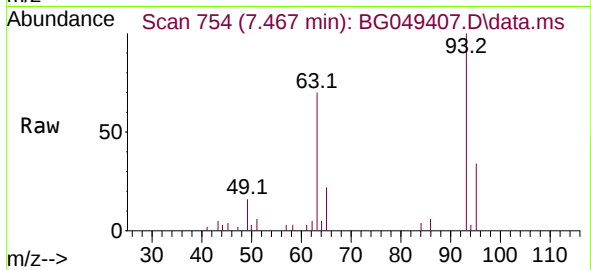
Tgt Ion: 94 Resp: 15365
Ion Ratio Lower Upper
94 100
65 34.7 12.9 52.9
66 64.5 39.4 79.4





#11
bis(2-Chloroethyl)ether
Concen: 8.22 ng
RT: 7.467 min Scan# 754
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

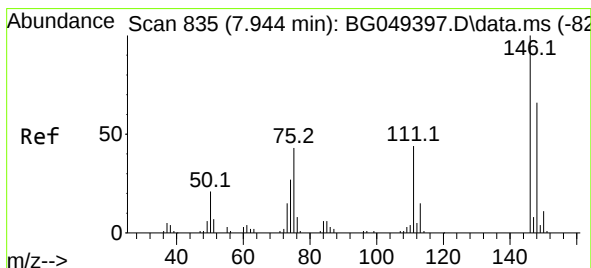
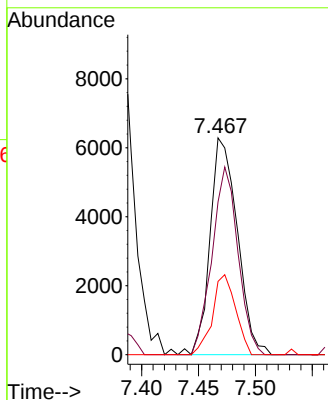
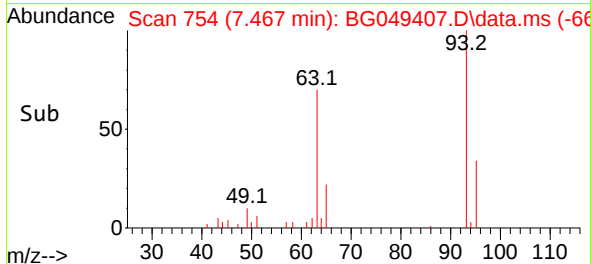
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



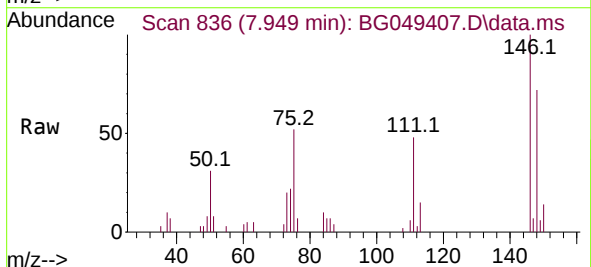
Tgt Ion	Ratio	Lower	Upper
93	100		
63	70.5	50.4	90.4
95	33.8	15.3	55.3

Manual Integrations
APPROVED

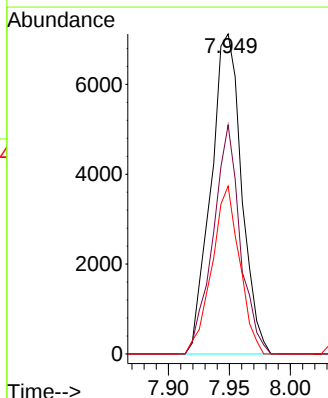
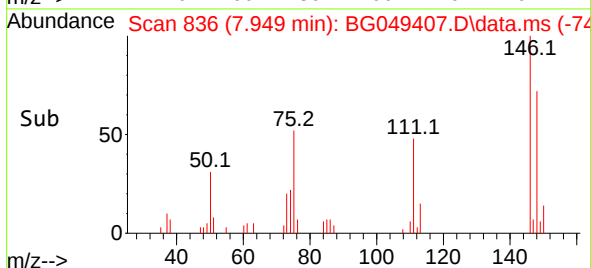
mohammad
7/23/2021 11:50:29 AM

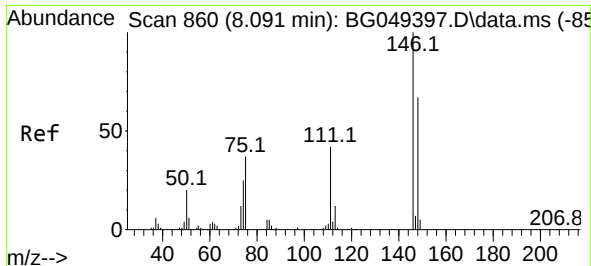


#12
1,3-Dichlorobenzene
Concen: 7.66 ng
RT: 7.949 min Scan# 836
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



Tgt Ion	Ratio	Lower	Upper
146	100		
148	71.6	52.6	78.8
75	52.5	35.7	53.5





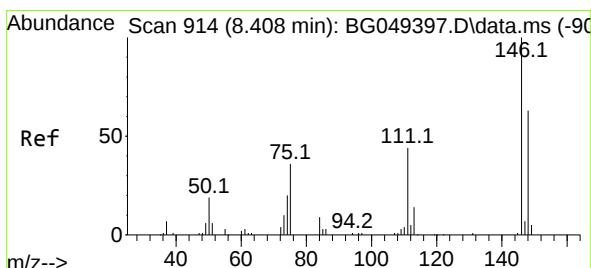
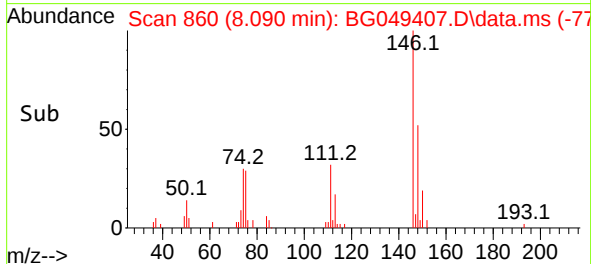
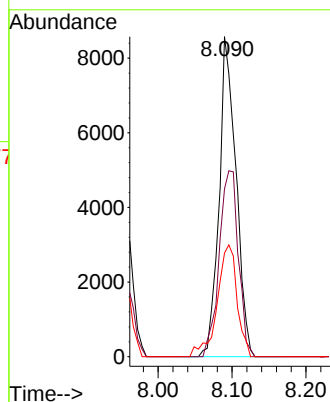
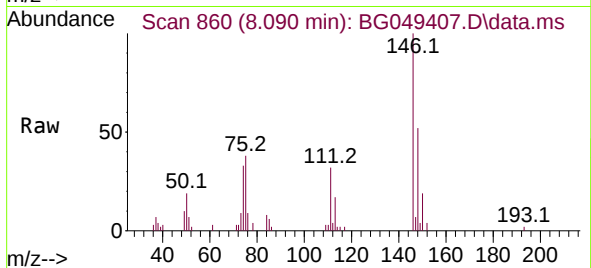
#13
1,4-Dichlorobenzene
Concen: 8.38 ng m
RT: 8.090 min Scan# 860
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:146 Resp: 13582
Ion Ratio Lower Upper
146 100
148 52.5 54.0 81.0#
111 32.4 34.3 51.5#

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

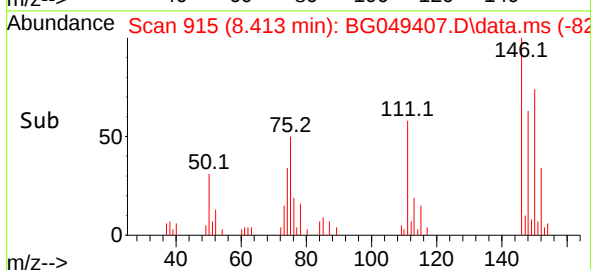
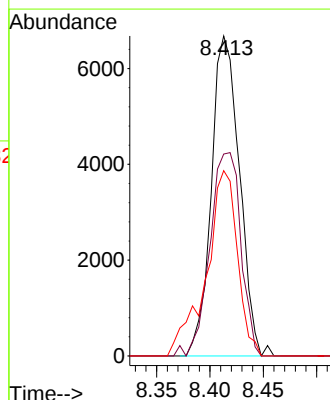
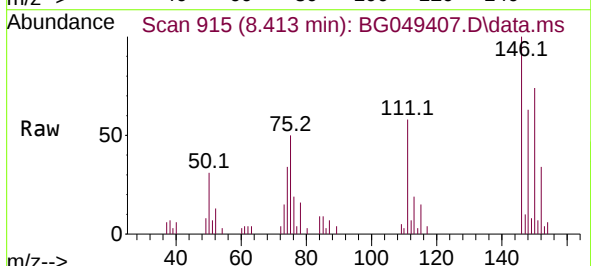
Manual Integrations
APPROVED

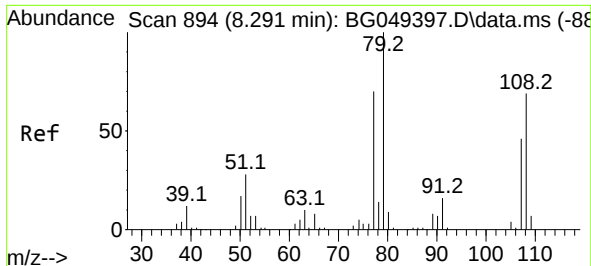
mohammad
7/23/2021 11:50:29 AM



#14
1,2-Dichlorobenzene
Concen: 7.82 ng
RT: 8.413 min Scan# 915
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:146 Resp: 12246
Ion Ratio Lower Upper
146 100
148 63.1 47.5 71.3
111 57.9 39.1 58.7





#15

Benzyl Alcohol

Concen: 7.21 ng

RT: 8.295 min Scan# 895

Delta R.T. 0.005 min

Lab File: BG049407.D

Acq: 22 Jul 2021 11:45

Tgt Ion:	79	Resp:	11532
Ion Ratio	Lower	Upper	
79	100		
108	59.9	48.2	72.4
77	65.6	57.3	85.9

Instrument :

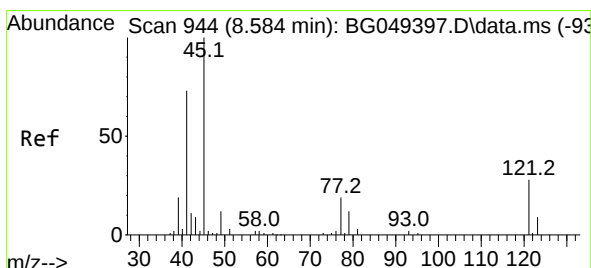
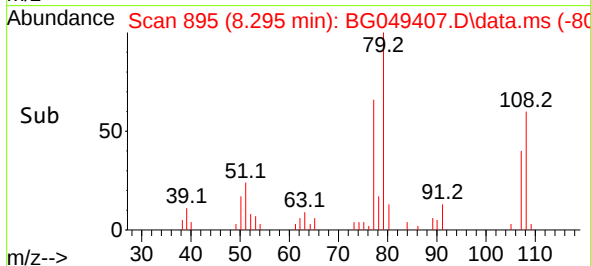
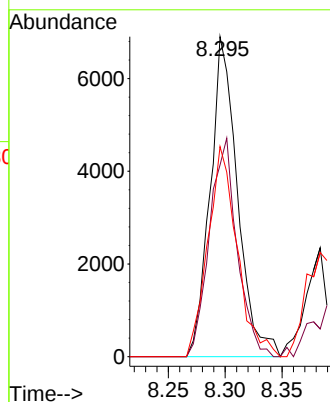
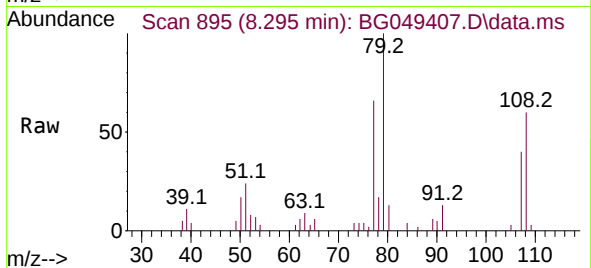
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

mohammad
7/23/2021 11:50:29 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 8.48 ng

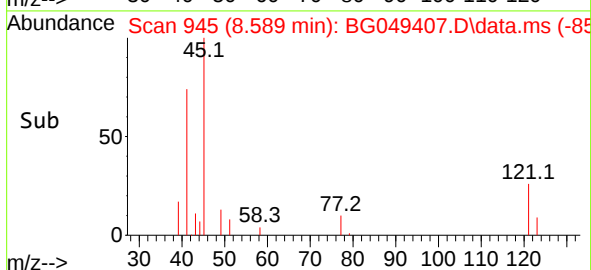
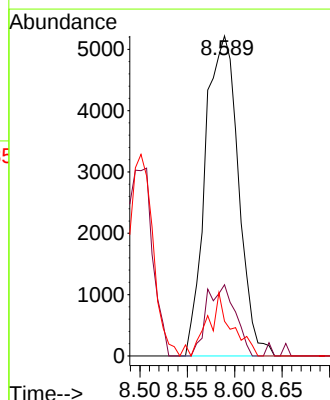
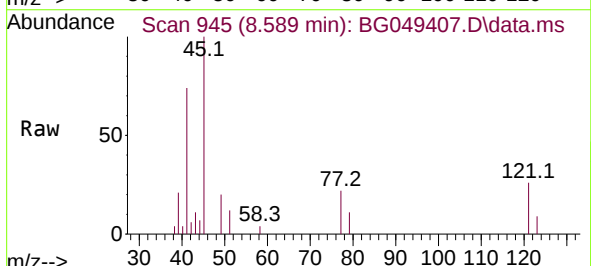
RT: 8.589 min Scan# 945

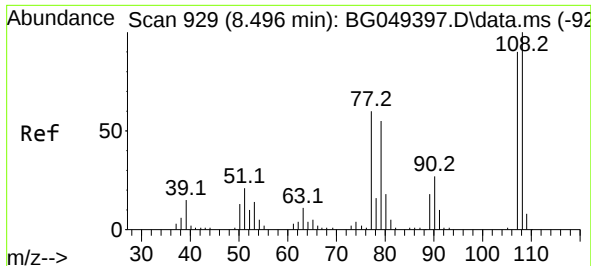
Delta R.T. 0.005 min

Lab File: BG049407.D

Acq: 22 Jul 2021 11:45

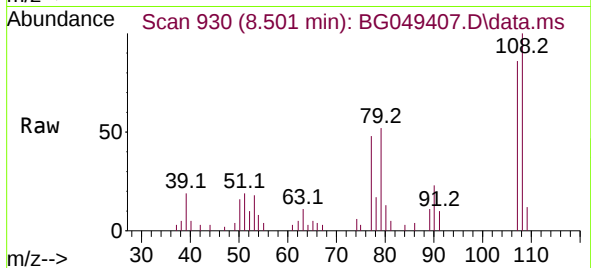
Tgt Ion:	45	Resp:	12641
Ion Ratio	Lower	Upper	
45	100		
77	22.3	2.2	42.2
79	10.9	0.0	34.3





#17
2-Methylphenol
Concen: 8.21 ng
RT: 8.501 min Scan# 930
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

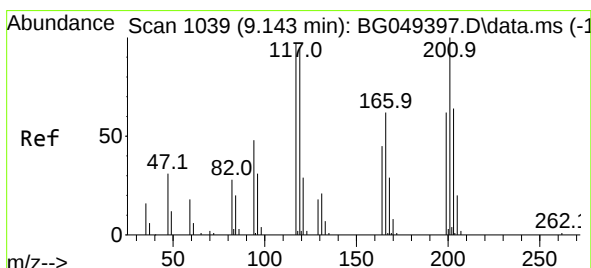
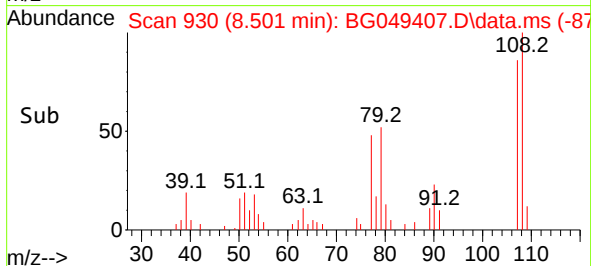
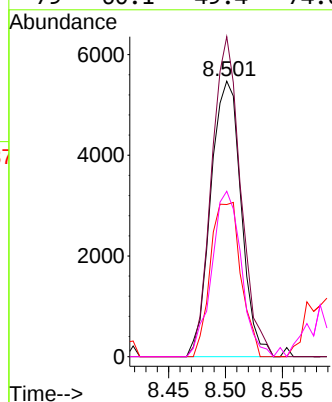
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



Tgt Ion	Ratio	Lower	Upper
107	100		
108	116.1	84.6	127.0
77	55.2	50.7	76.1
79	60.1	49.4	74.0

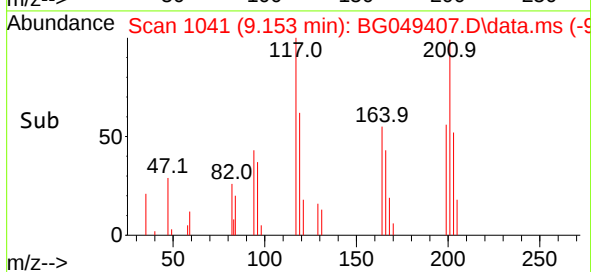
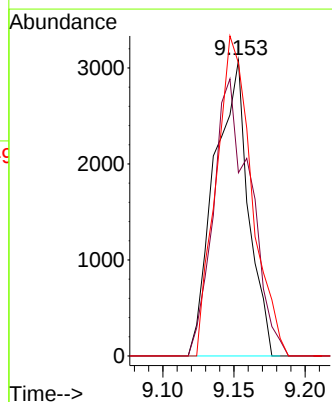
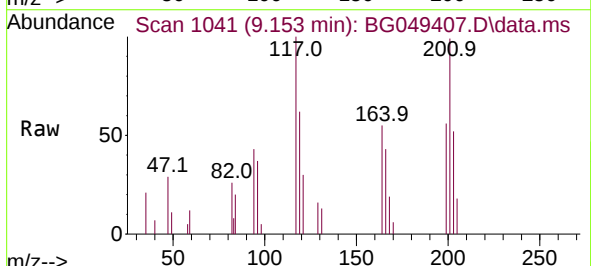
Manual Integrations
APPROVED

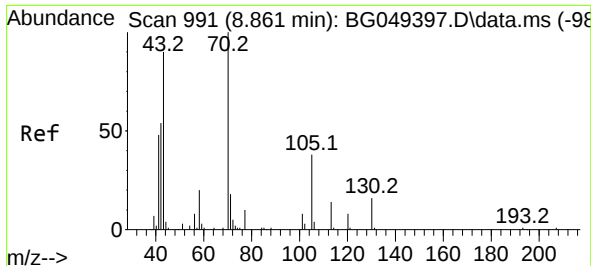
mohammad
7/23/2021 11:50:29 AM



#18
Hexachloroethane
Concen: 8.13 ng
RT: 9.153 min Scan# 1041
Delta R.T. 0.011 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

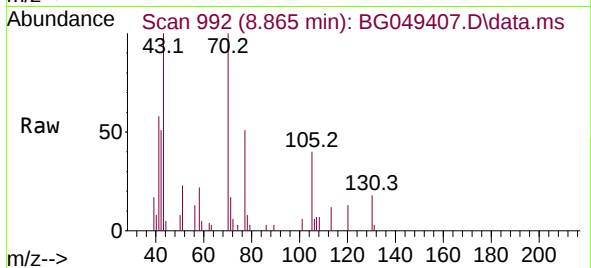
Tgt Ion	Ratio	Lower	Upper
117	100		
119	61.9	74.4	111.6#
201	99.1	88.6	133.0



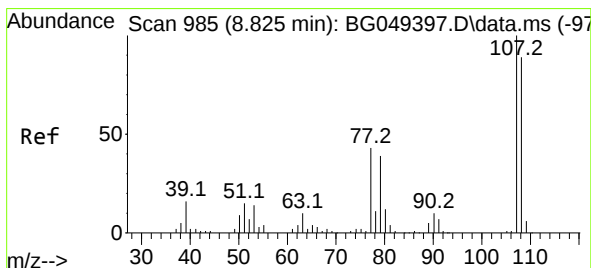
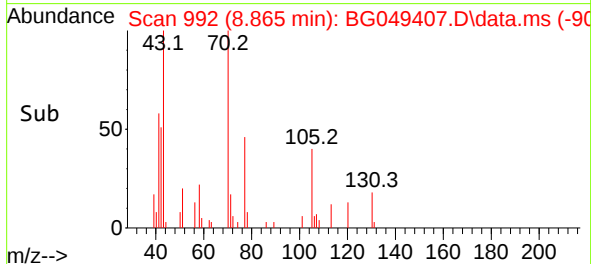
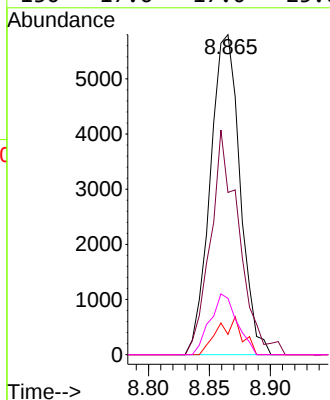


#19
n-Nitroso-di-n-propylamine
Concen: 7.68 ng
RT: 8.865 min Scan# 992
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

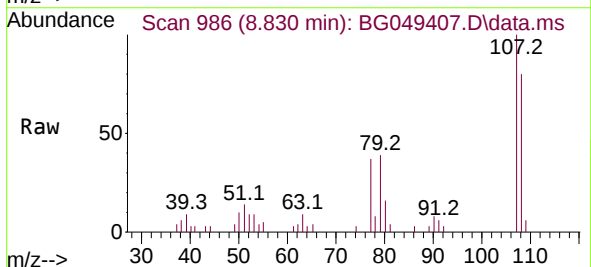
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



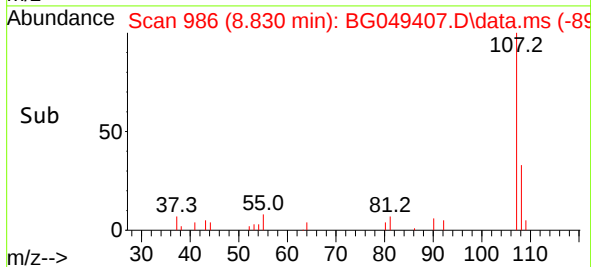
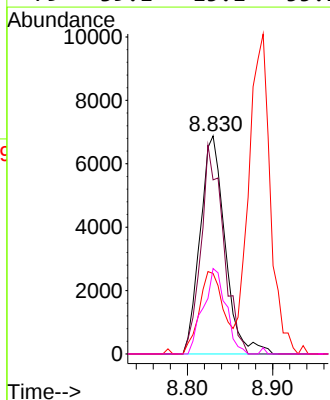
Tgt Ion: 70 Resp: 9875
Ion Ratio Lower Upper
70 100
42 50.7 54.5 81.7#
101 6.3 9.0 13.6#
130 17.6 17.0 25.6

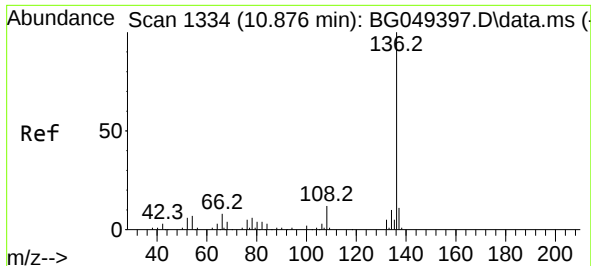


#20
3+4-Methylphenols
Concen: 8.19 ng
RT: 8.830 min Scan# 986
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

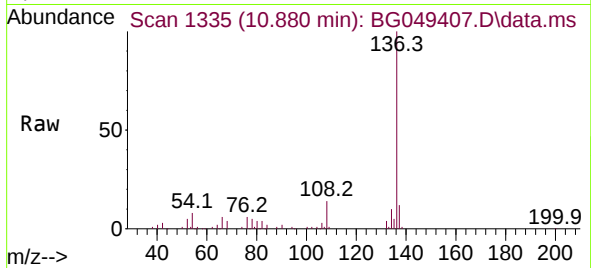


Tgt Ion: 107 Resp: 13930
Ion Ratio Lower Upper
107 100
108 79.8 69.3 109.3
77 36.9 25.2 65.2
79 39.1 15.1 55.1

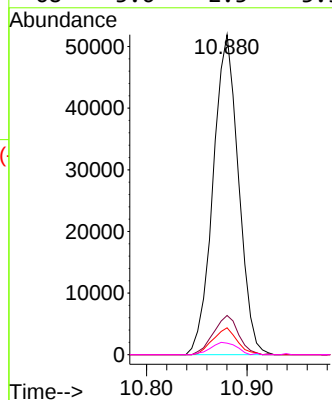




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.880 min Scan# 1335
Delta R.T. 0.004 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



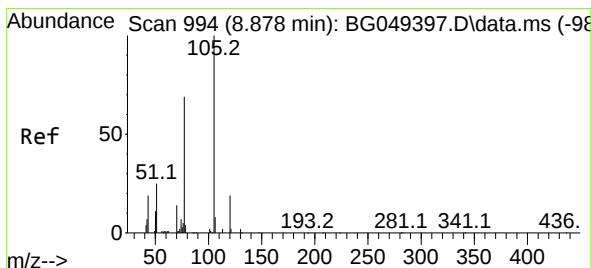
Tgt Ion:	136	Resp:	91416
Ion Ratio	Lower	Upper	
136	100		
137	12.3	8.2	12.2#
54	8.4	5.5	8.3#
68	3.6	2.3	3.5#



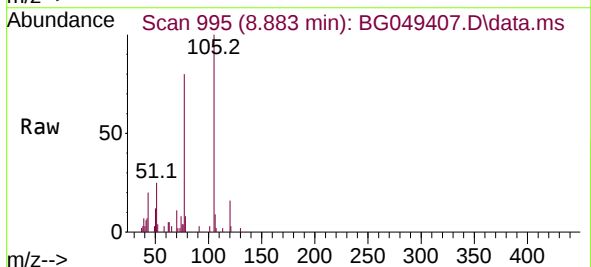
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

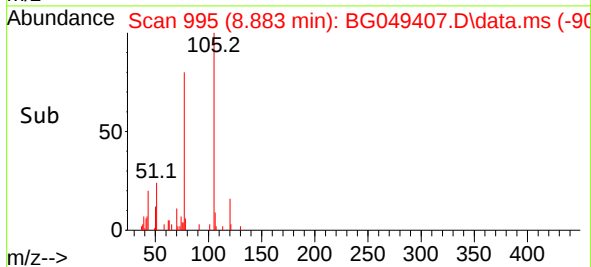
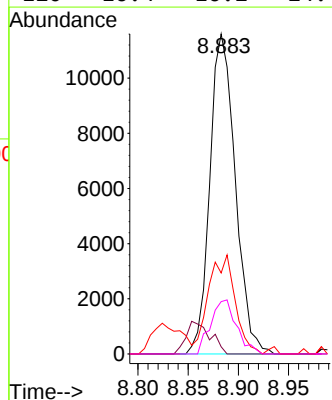
mohammad
7/23/2021 11:50:29 AM

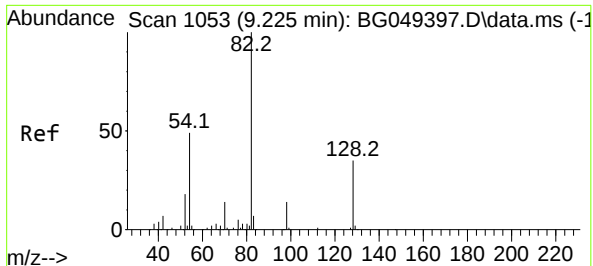


#22
Acetophenone
Concen: 8.37 ng
RT: 8.883 min Scan# 995
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



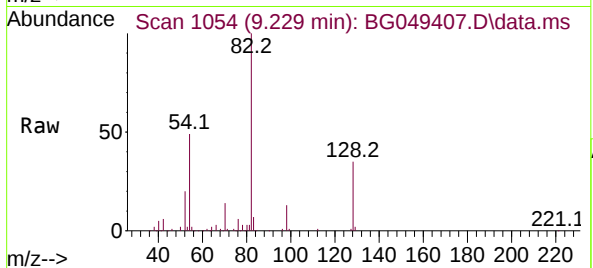
Tgt Ion:	105	Resp:	20480
Ion Ratio	Lower	Upper	
105	100		
71	2.2	0.6	0.8#
51	25.3	26.6	40.0#
120	16.4	16.2	24.4





#23
Nitrobenzene-d5
Concen: 84.10 ng
RT: 9.229 min Scan# 1054
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

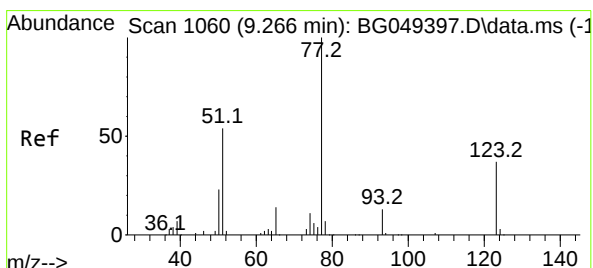
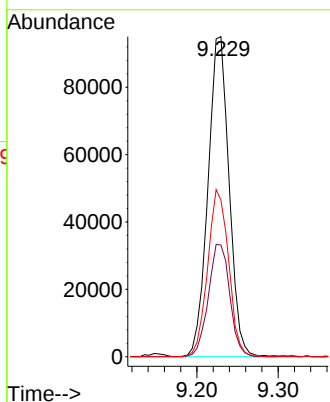
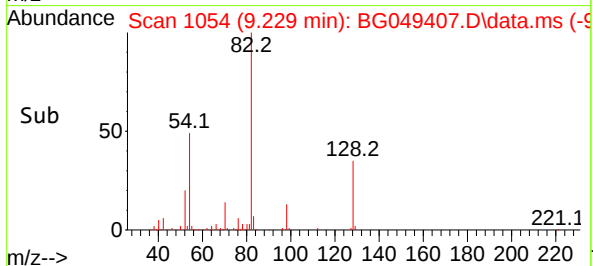
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



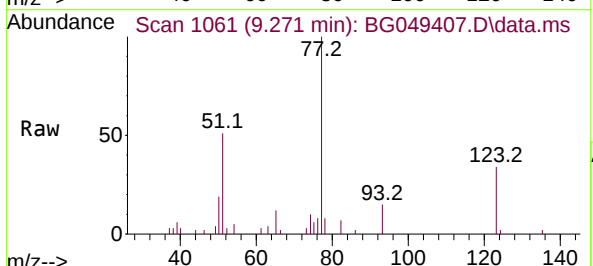
Tgt Ion: 82 Resp: 171591
Ion Ratio Lower Upper
82 100
128 34.9 29.8 44.6
54 48.9 45.8 68.8

Manual Integrations
APPROVED

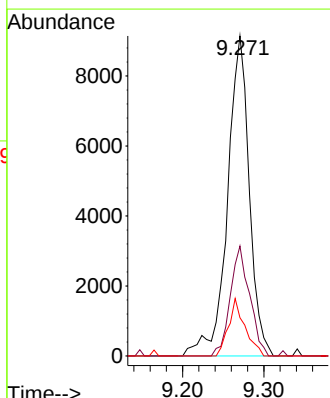
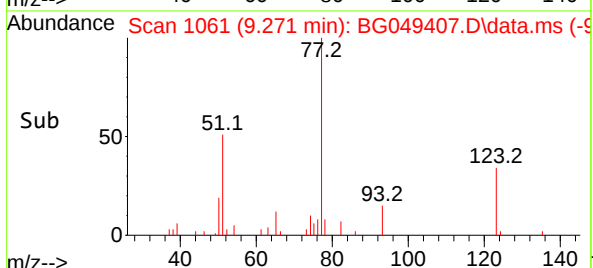
mohammad
7/23/2021 11:50:29 AM

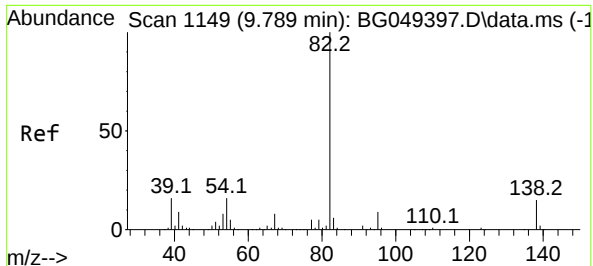


#24
Nitrobenzene
Concen: 7.96 ng
RT: 9.271 min Scan# 1061
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



Tgt Ion: 77 Resp: 17048
Ion Ratio Lower Upper
77 100
123 34.4 27.5 41.3
65 11.9 12.6 18.8#





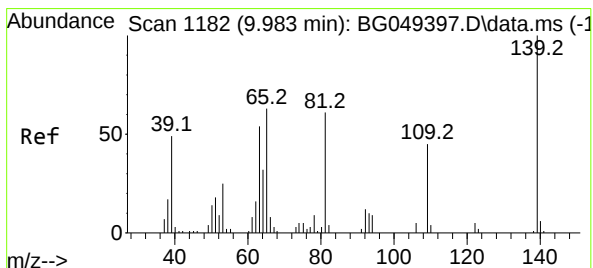
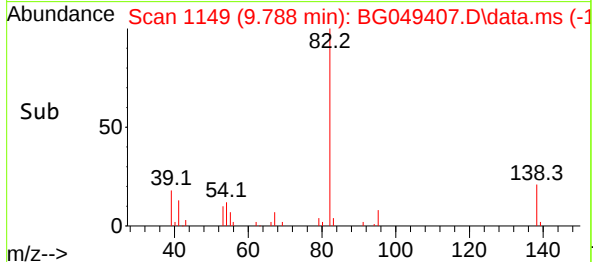
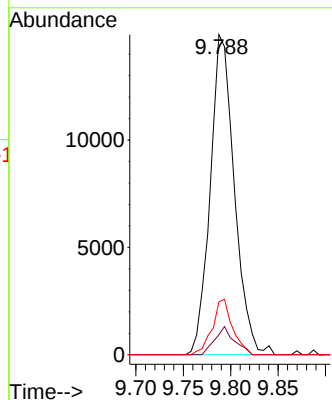
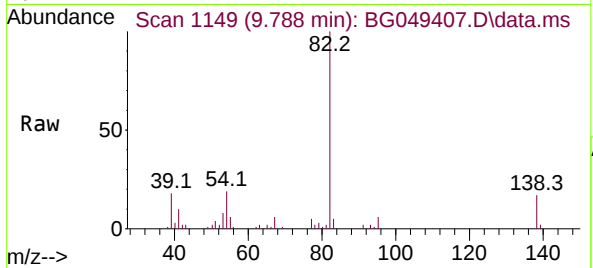
#25
Isophorone
Concen: 7.31 ng
RT: 9.788 min Scan# 1149
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion: 82 Resp: 26415
Ion Ratio Lower Upper
82 100
95 6.2 8.5 12.7#
138 16.5 11.8 17.6

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

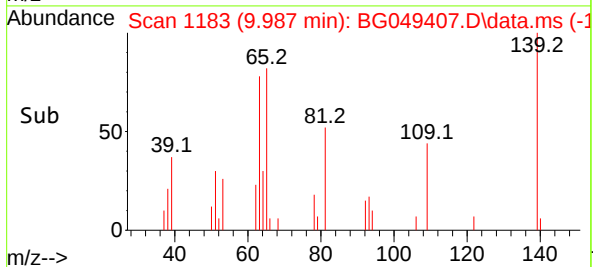
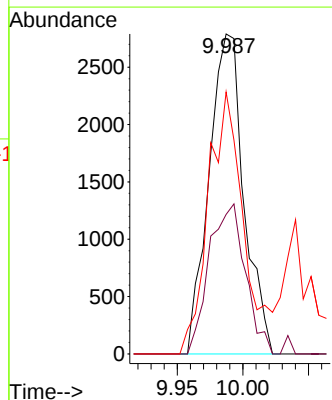
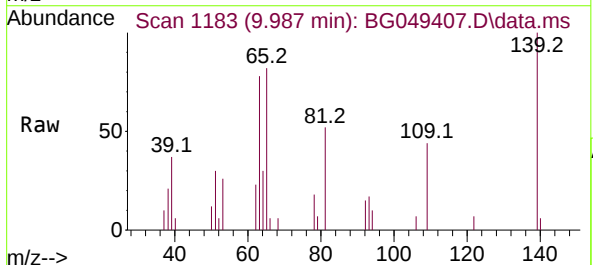
Manual Integrations
APPROVED

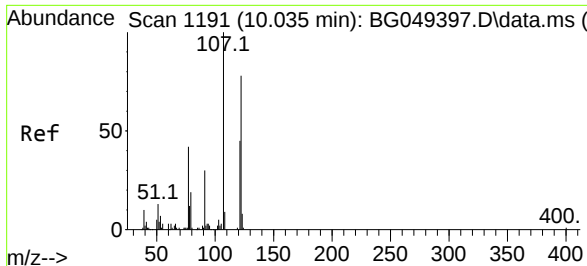
mohammad
7/23/2021 11:50:29 AM



#26
2-Nitrophenol
Concen: 6.64 ng
RT: 9.987 min Scan# 1183
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion: 139 Resp: 5163
Ion Ratio Lower Upper
139 100
109 43.6 37.8 56.6
65 81.9 51.8 77.8#





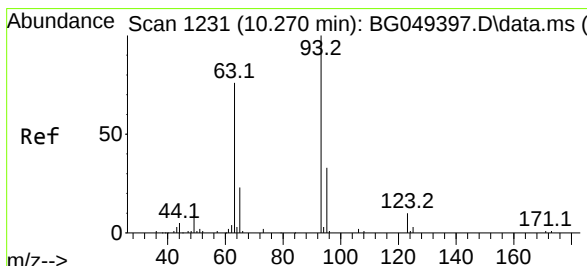
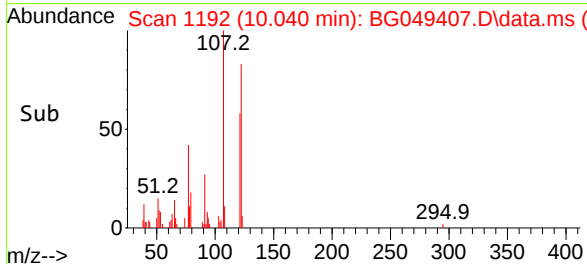
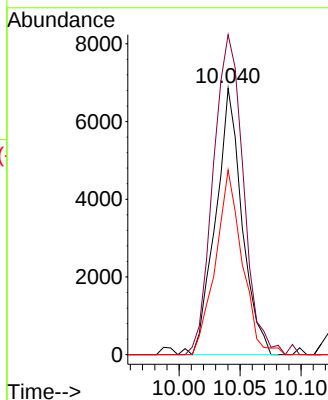
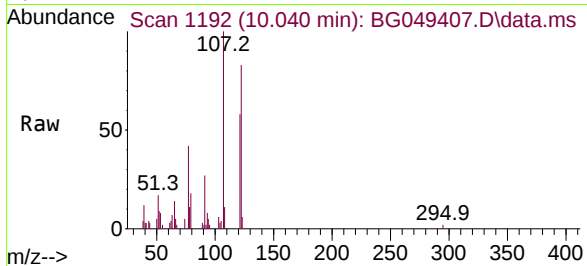
#27
2,4-Dimethylphenol
Concen: 8.30 ng
RT: 10.040 min Scan# 1192
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion: 122 Resp: 10324
Ion Ratio Lower Upper
122 100
107 120.1 110.1 165.1
121 69.3 49.0 73.6

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

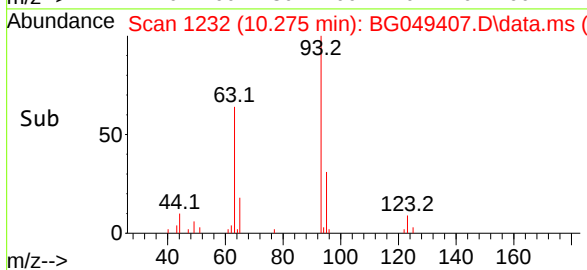
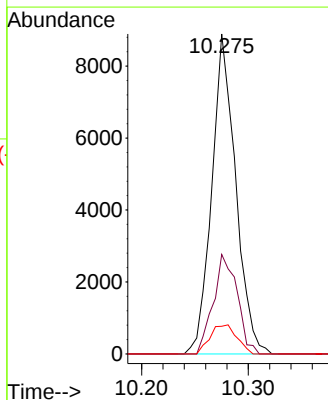
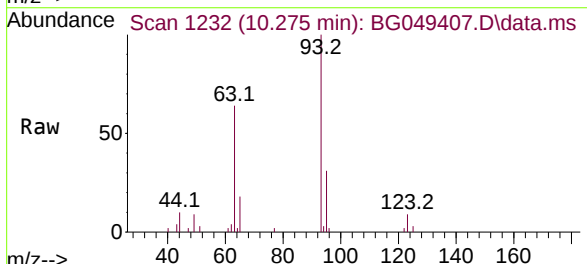
Manual Integrations
APPROVED

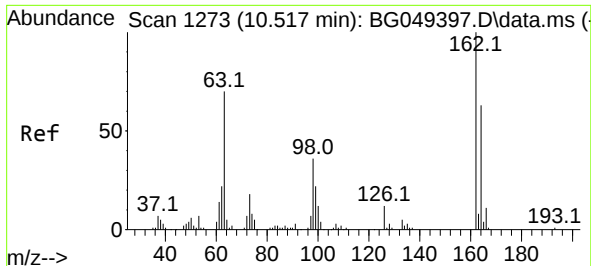
mohammad
7/23/2021 11:50:29 AM



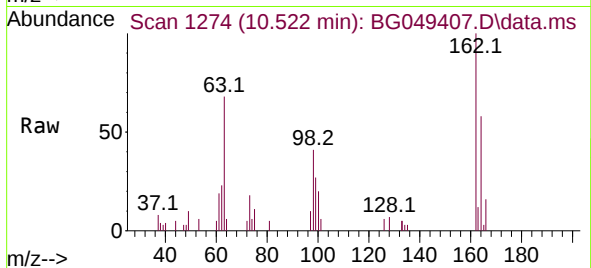
#28
bis(2-Chloroethoxy)methane
Concen: 8.57 ng
RT: 10.275 min Scan# 1232
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion: 93 Resp: 13821
Ion Ratio Lower Upper
93 100
95 31.1 22.2 33.4
123 8.6 8.8 13.2#

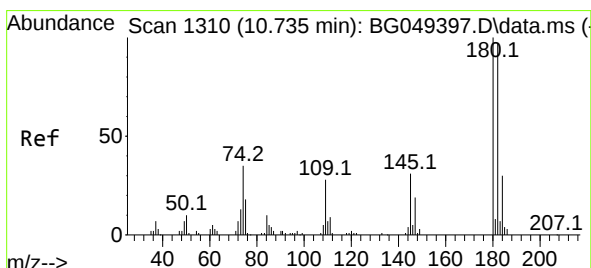
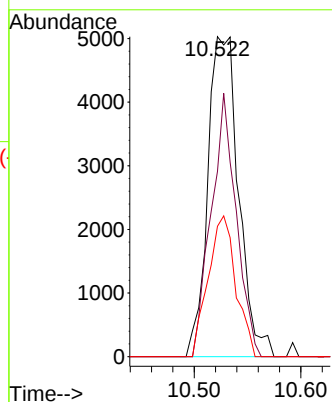
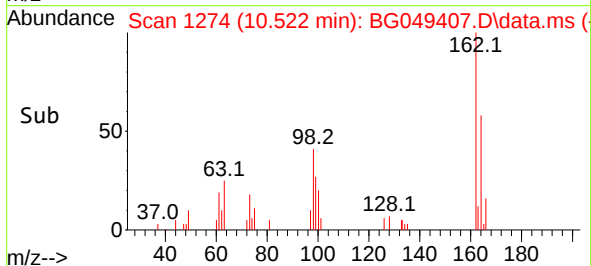




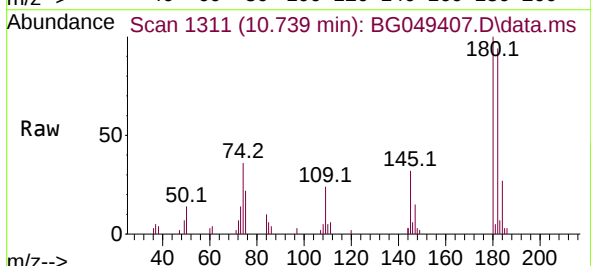
#29
2,4-Dichlorophenol
Concen: 7.02 ng
RT: 10.522 min Scan# 1274
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



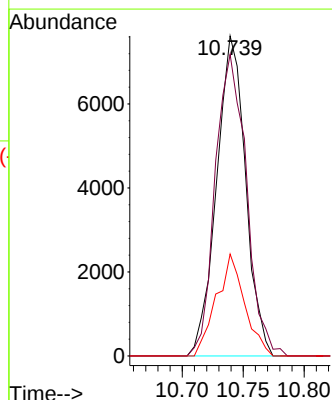
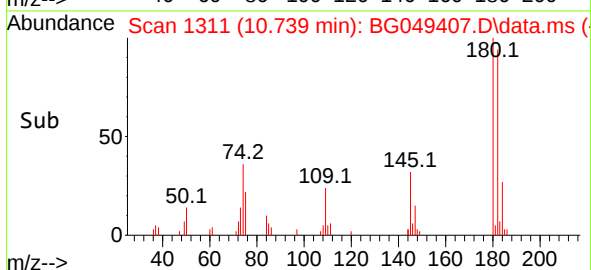
Tgt Ion:162 Resp: 10125
Ion Ratio Lower Upper
162 100
164 57.9 39.4 79.4
98 40.8 18.7 58.7



#30
1,2,4-Trichlorobenzene
Concen: 7.73 ng
RT: 10.739 min Scan# 1311
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



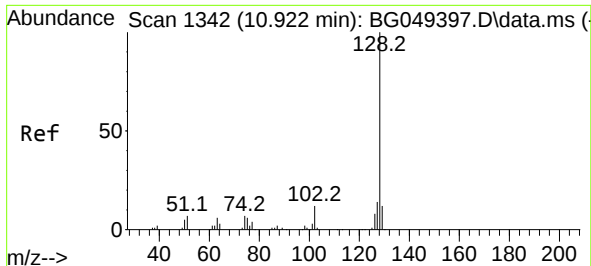
Tgt Ion:180 Resp: 12588
Ion Ratio Lower Upper
180 100
182 94.2 78.9 118.3
145 31.8 26.2 39.4



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

mohammad
7/23/2021 11:50:29 AM



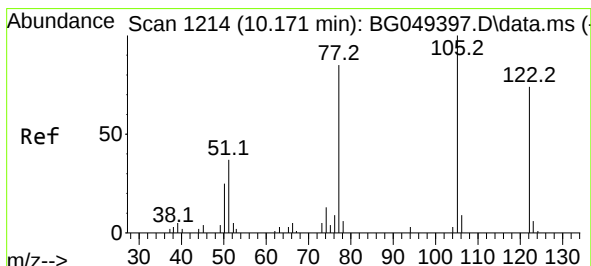
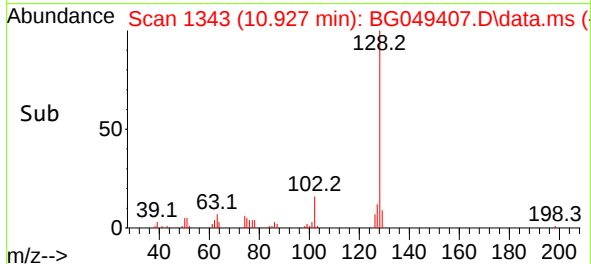
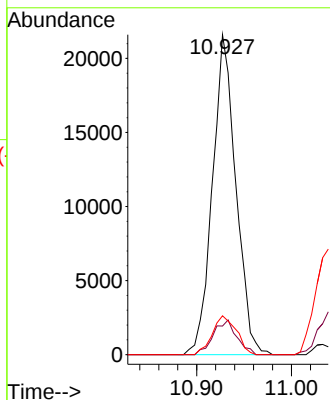
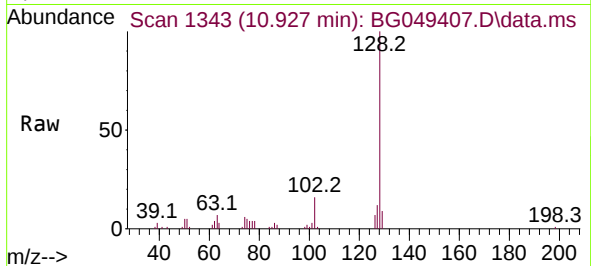
#31
Naphthalene
Concen: 7.70 ng
RT: 10.927 min Scan# 1343
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:128 Resp: 37120
Ion Ratio Lower Upper
128 100
129 8.9 8.5 12.7
127 12.1 10.2 15.4

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

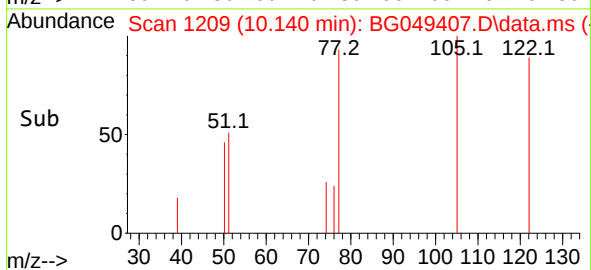
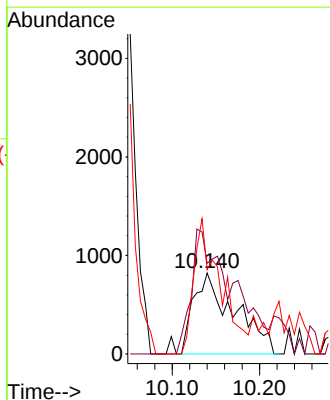
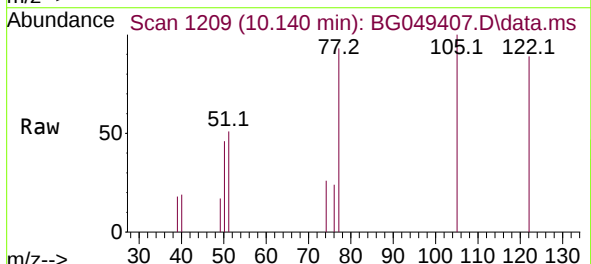
Manual Integrations
APPROVED

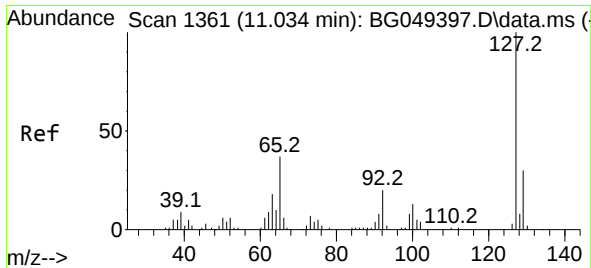
mohammad
7/23/2021 11:50:29 AM



#32
Benzoic acid
Concen: 3.29 ng m
RT: 10.140 min Scan# 1209
Delta R.T. -0.031 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:122 Resp: 2686
Ion Ratio Lower Upper
122 100
105 112.0 92.3 132.3
77 104.1 66.5 106.5





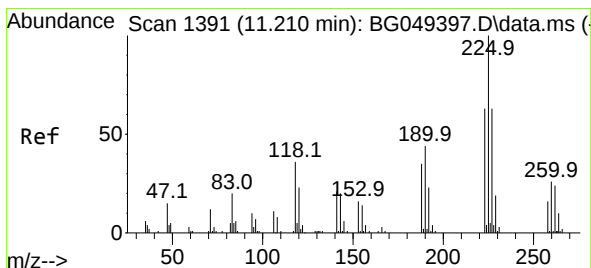
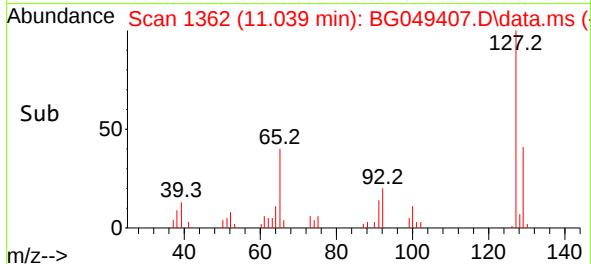
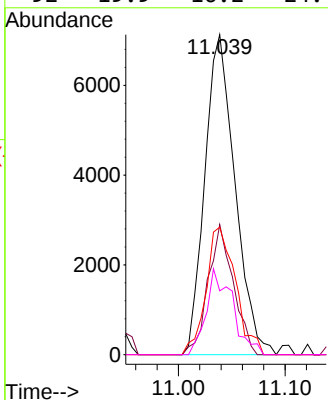
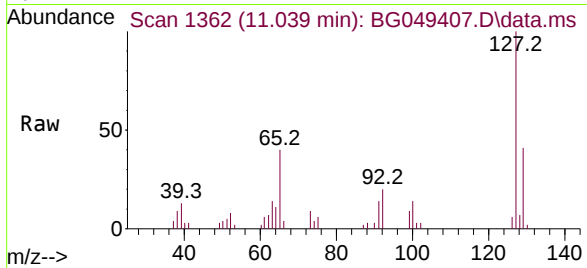
#33
4-Chloroaniline
Concen: 7.62 ng
RT: 11.039 min Scan# 1362
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion	Ratio	Lower	Upper
127	100		
129	40.7	26.7	40.1#
65	39.8	32.8	49.2
92	19.9	16.2	24.4

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

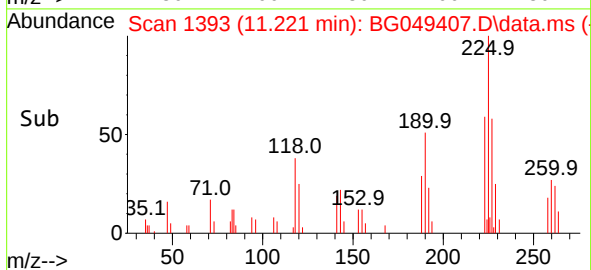
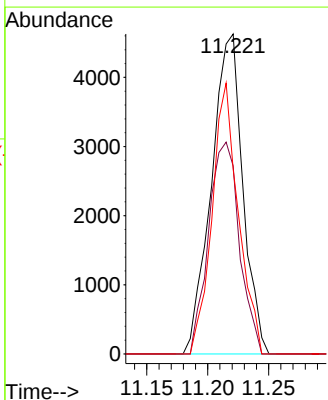
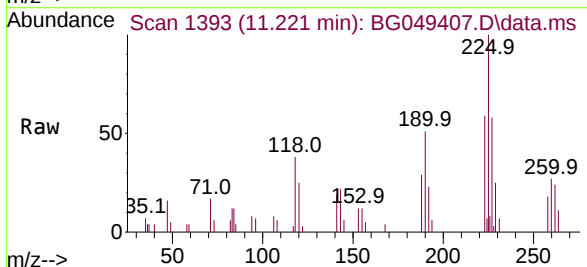
Manual Integrations
APPROVED

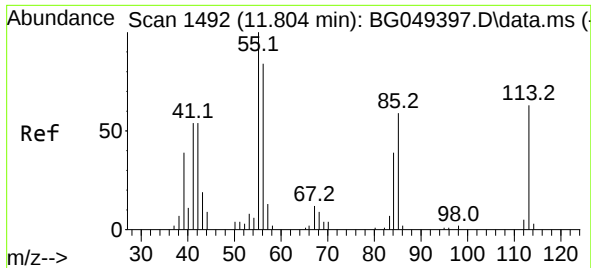
mohammad
7/23/2021 11:50:29 AM



#34
Hexachlorobutadiene
Concen: 7.13 ng
RT: 11.221 min Scan# 1393
Delta R.T. 0.011 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.7	49.8	74.8
227	57.7	46.4	69.6





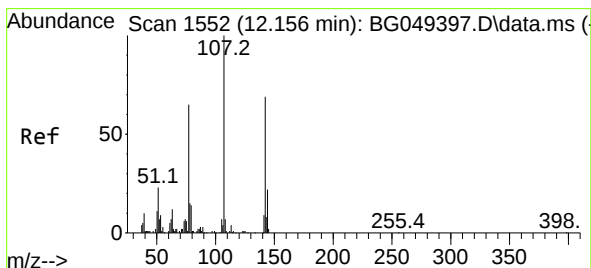
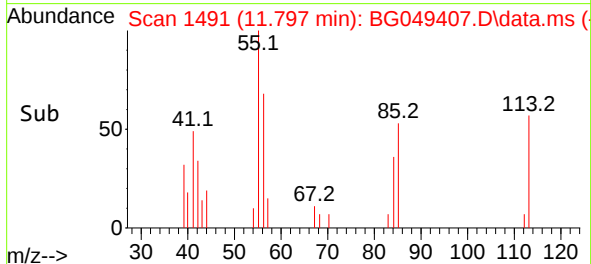
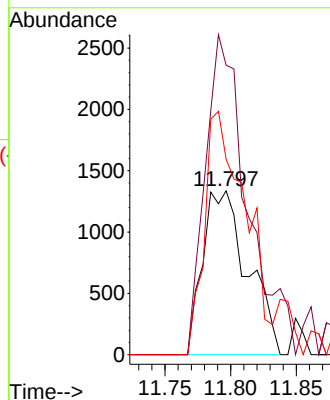
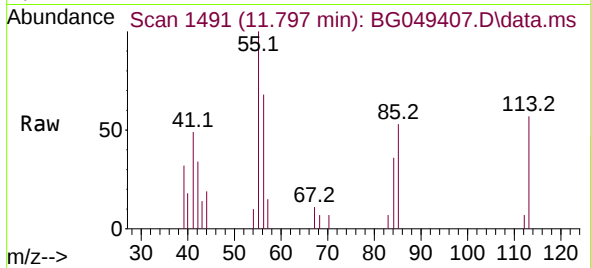
#35
Caprolactam
Concen: 7.10 ng
RT: 11.797 min Scan# 1491
Delta R.T. -0.007 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:113 Resp: 3181
Ion Ratio Lower Upper
113 100
55 176.6 113.8 153.8#
56 119.3 105.6 145.6

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

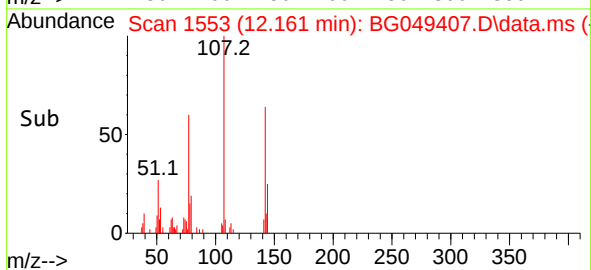
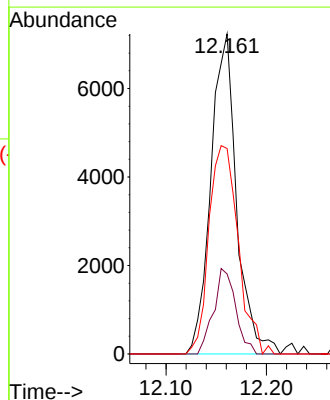
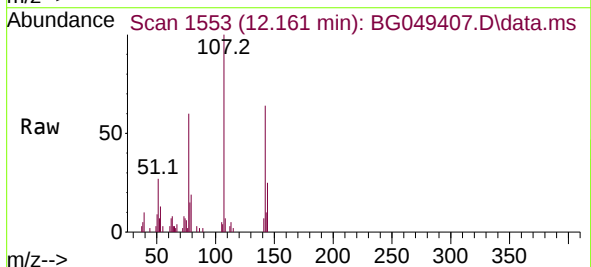
Manual Integrations
APPROVED

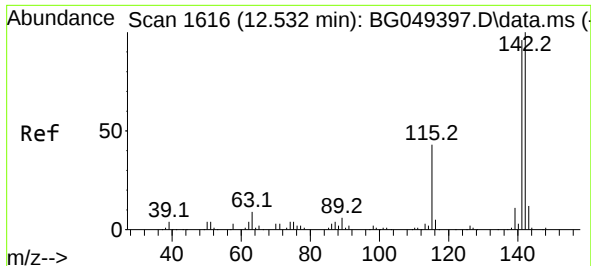
mohammad
7/23/2021 11:50:29 AM



#36
4-Chloro-3-methylphenol
Concen: 7.60 ng
RT: 12.161 min Scan# 1553
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:107 Resp: 12930
Ion Ratio Lower Upper
107 100
144 25.0 24.8 37.2
142 64.2 62.2 93.4





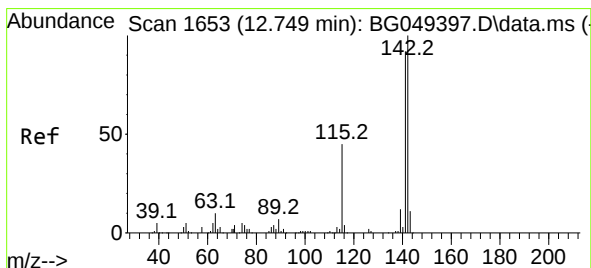
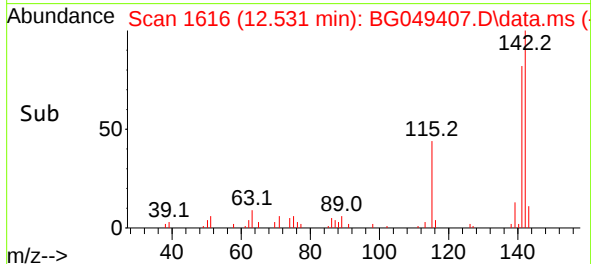
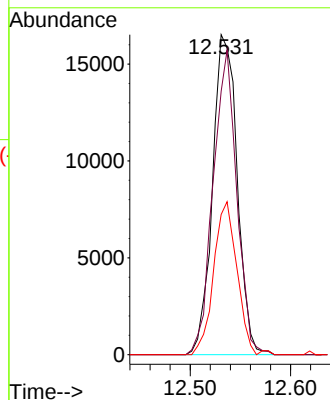
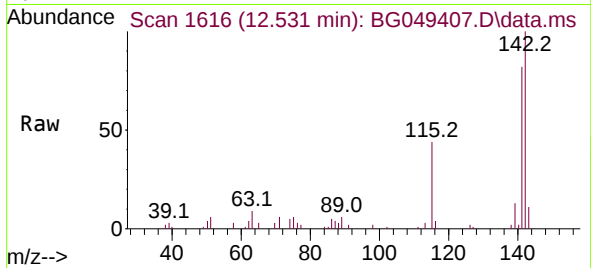
#37
2-Methylnaphthalene
Concen: 8.01 ng
RT: 12.531 min Scan# 1616
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:	142	Resp:	28199
Ion Ratio	Lower	Upper	
142	100		
141	82.3	68.8	103.2
115	43.8	36.4	54.6

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

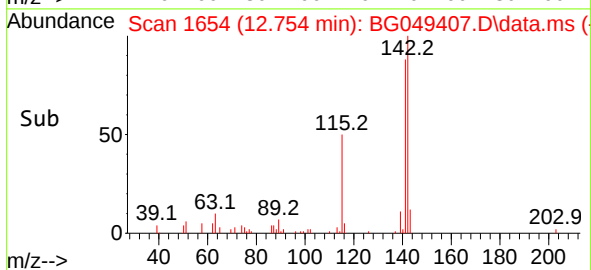
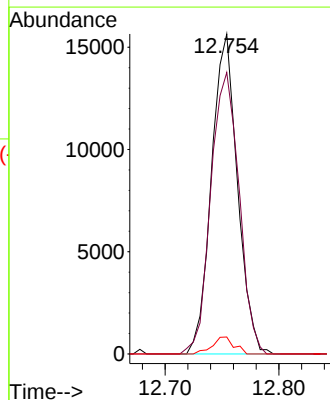
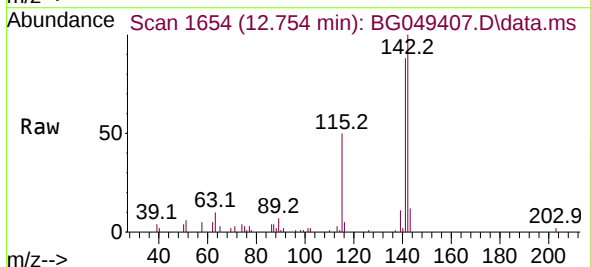
Manual Integrations
APPROVED

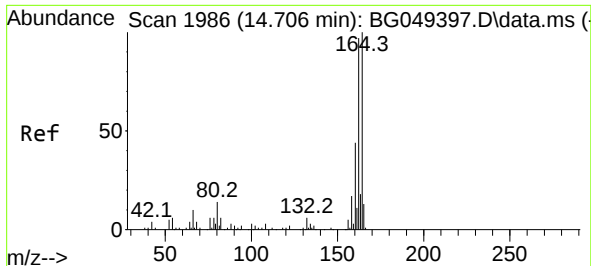
mohammad
7/23/2021 11:50:29 AM



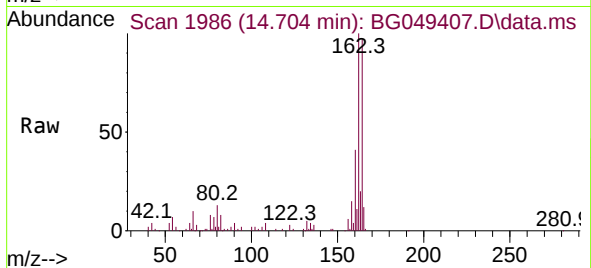
#38
1-Methylnaphthalene
Concen: 7.38 ng
RT: 12.754 min Scan# 1654
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:	142	Resp:	24843
Ion Ratio	Lower	Upper	
142	100		
141	87.9	70.6	106.0
116	5.3	4.0	6.0

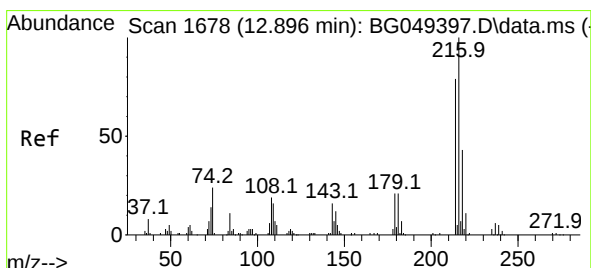
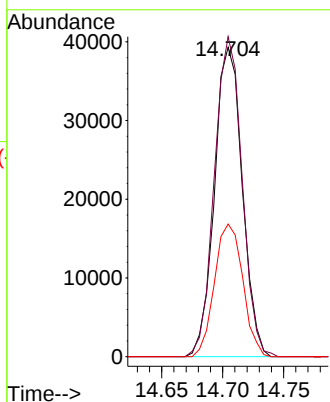
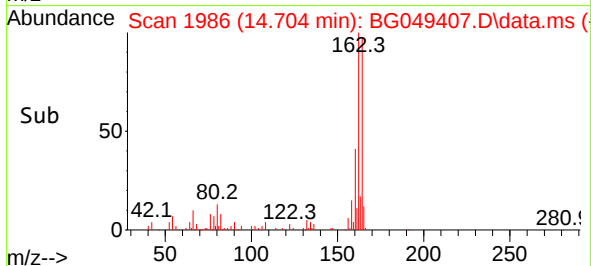




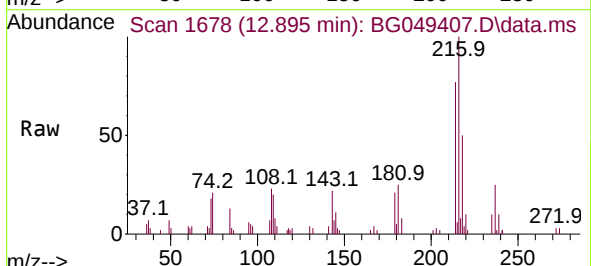
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.704 min Scan# 1986
Delta R.T. -0.002 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



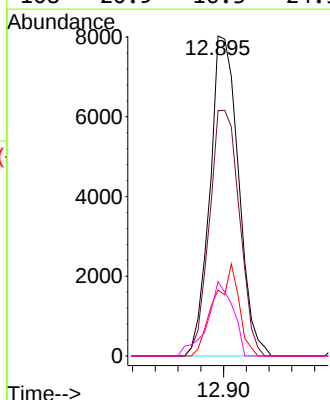
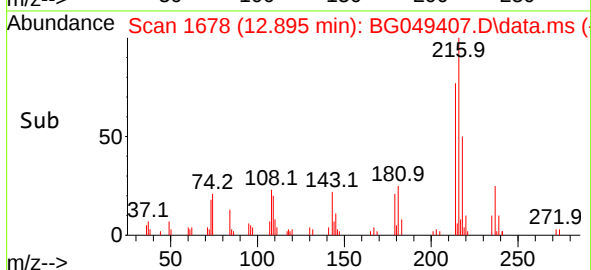
Tgt Ion:164 Resp: 62317
Ion Ratio Lower Upper
164 100
162 103.4 81.4 122.0
160 42.9 34.9 52.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.61 ng
RT: 12.895 min Scan# 1678
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



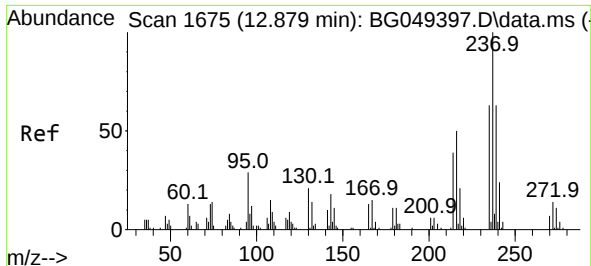
Tgt Ion:216 Resp: 14032
Ion Ratio Lower Upper
216 100
214 80.1 61.4 92.2
179 24.6 17.3 25.9
108 20.9 16.3 24.5



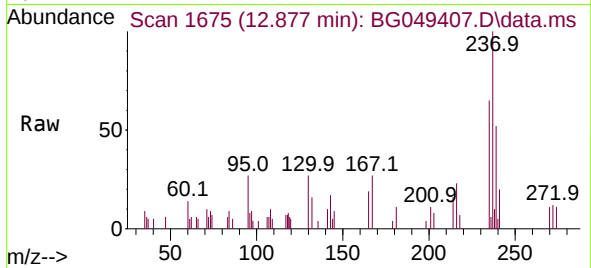
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

mohammad
7/23/2021 11:50:29 AM



#41
Hexachlorocyclopentadiene
Concen: 8.14 ng
RT: 12.877 min Scan# 1675
Delta R.T. -0.002 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

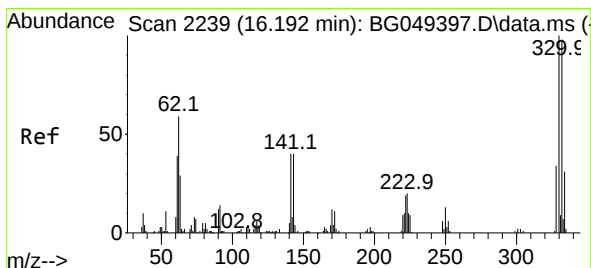
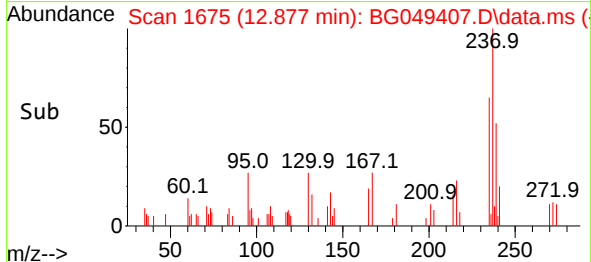
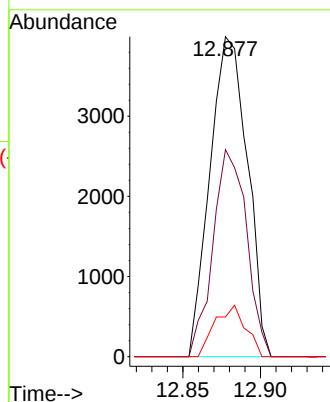


Tgt Ion: 237 Resp: 6695
Ion Ratio Lower Upper
237 100
235 64.7 36.6 76.6
272 12.4 0.0 32.5

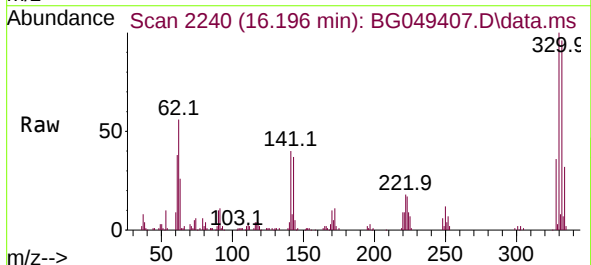
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

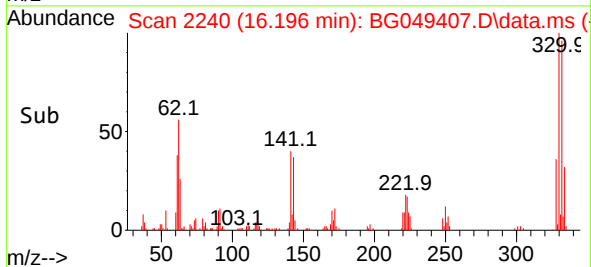
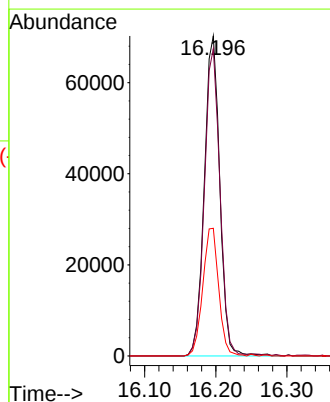
mohammad
7/23/2021 11:50:29 AM

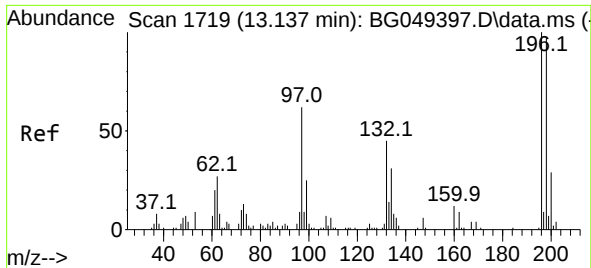


#42
2,4,6-Tribromophenol
Concen: 127.91 ng
RT: 16.196 min Scan# 2240
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



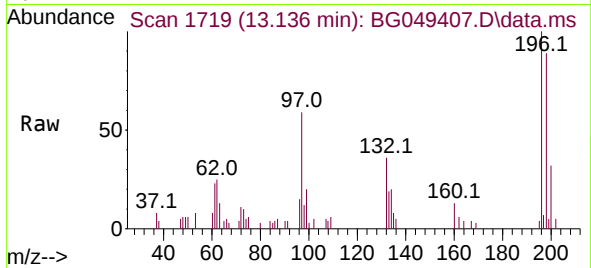
Tgt Ion: 330 Resp: 106745
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 41.0 35.6 53.4





#43
2,4,6-Trichlorophenol
Concen: 6.95 ng
RT: 13.136 min Scan# 1719
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

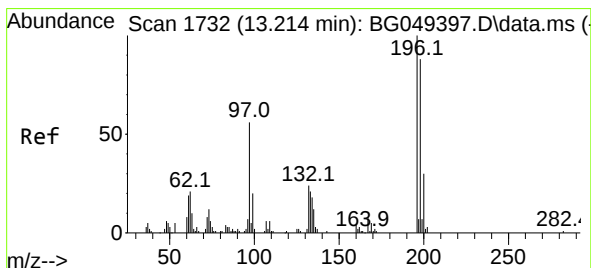
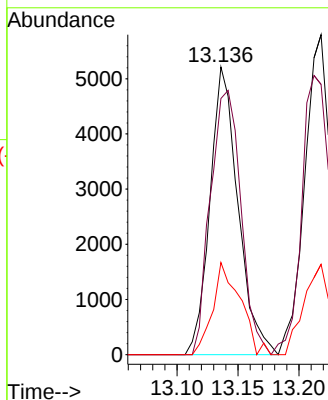
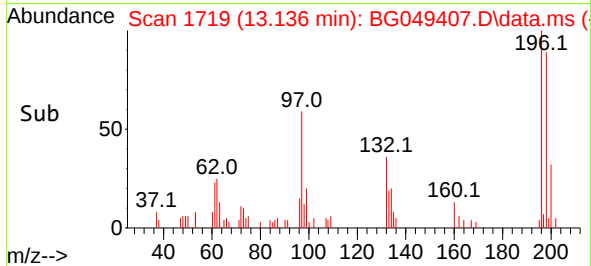
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



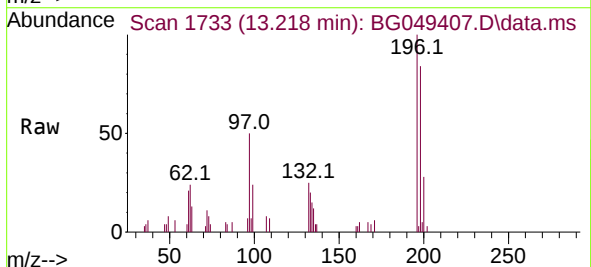
Tgt Ion:196 Resp: 8349
Ion Ratio Lower Upper
196 100
198 89.0 82.1 123.1
200 32.1 23.8 35.8

Manual Integrations
APPROVED

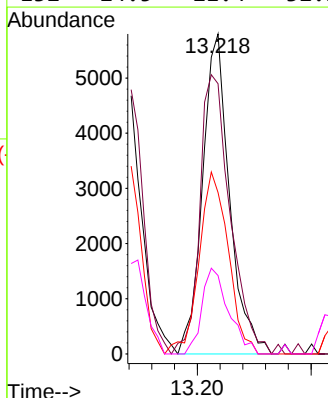
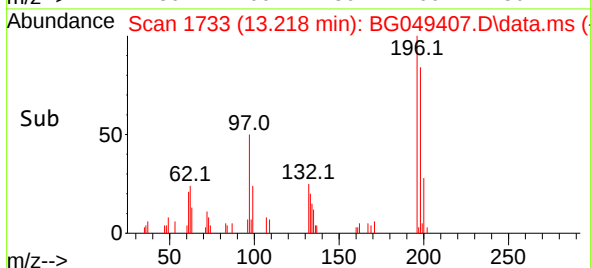
mohammad
7/23/2021 11:50:29 AM

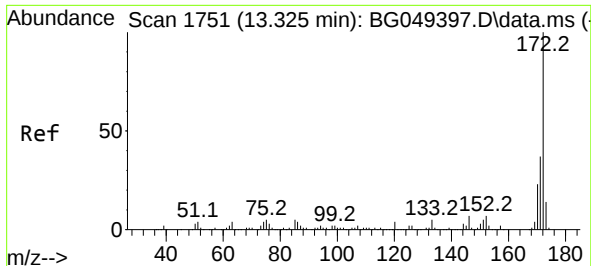


#44
2,4,5-Trichlorophenol
Concen: 7.37 ng
RT: 13.218 min Scan# 1733
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

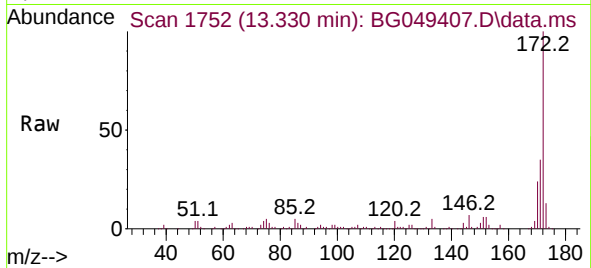


Tgt Ion:196 Resp: 9584
Ion Ratio Lower Upper
196 100
198 84.4 87.4 131.0#
97 50.4 43.3 64.9
132 24.5 21.4 32.2

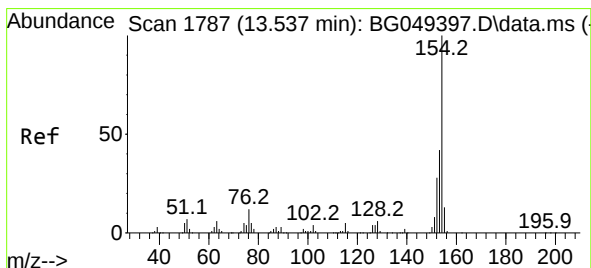
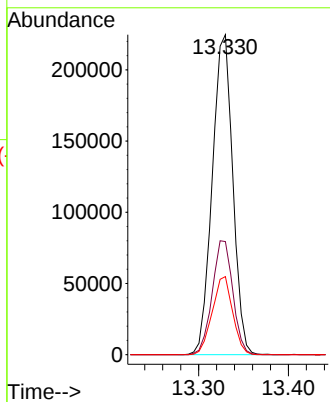
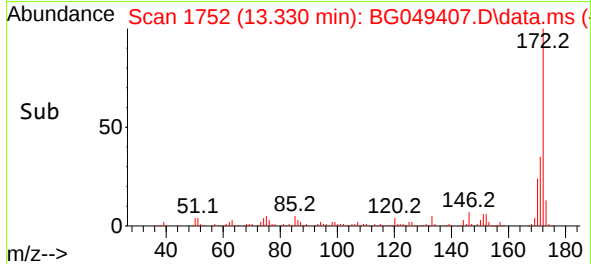




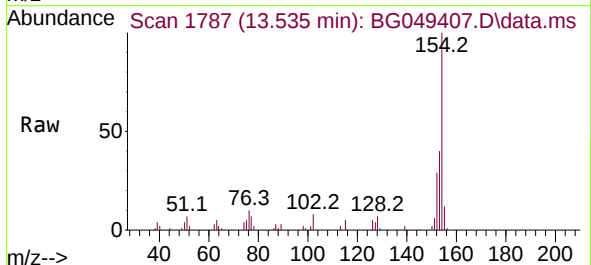
#45
2-Fluorobiphenyl
Concen: 82.21 ng
RT: 13.330 min Scan# 1752
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



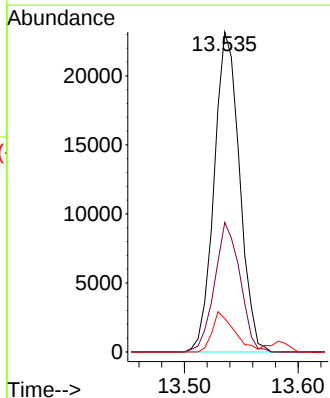
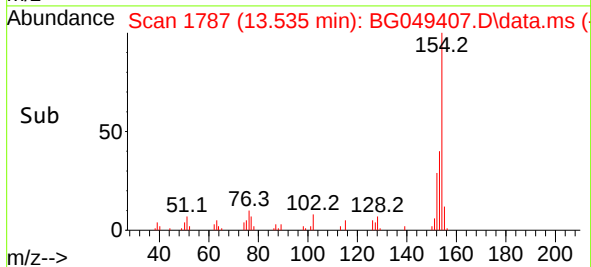
Tgt Ion:172 Resp: 356040
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 24.4 18.6 27.8



#46
1,1'-Biphenyl
Concen: 7.86 ng
RT: 13.535 min Scan# 1787
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



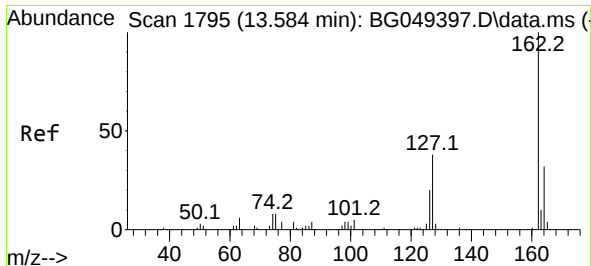
Tgt Ion:154 Resp: 35928
Ion Ratio Lower Upper
154 100
153 40.5 20.5 60.5
76 10.4 0.0 29.3



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

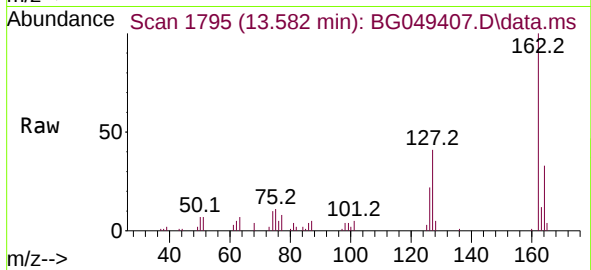
Manual Integrations
APPROVED

mohammad
7/23/2021 11:50:29 AM



#47
2-Chloronaphthalene
Concen: 7.53 ng
RT: 13.582 min Scan# 1795
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

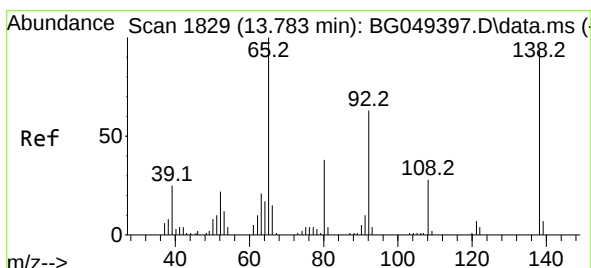
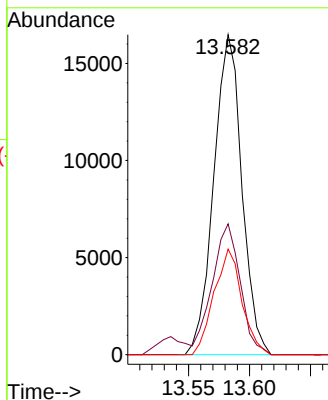
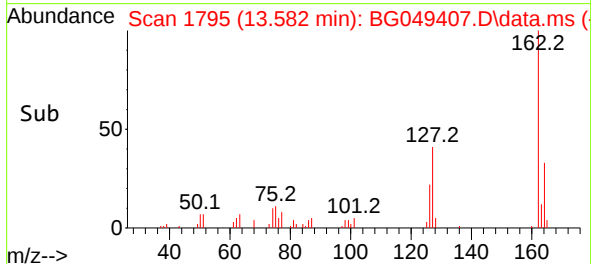
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



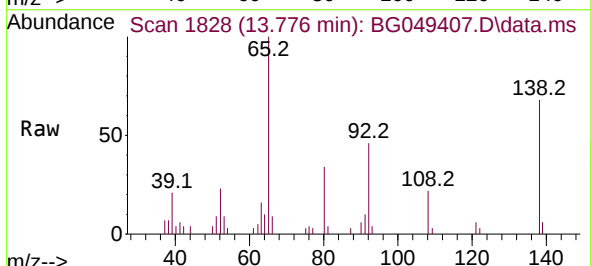
Tgt Ion:162 Resp: 26412
Ion Ratio Lower Upper
162 100
127 40.9 32.7 49.1
164 33.0 27.0 40.4

Manual Integrations
APPROVED

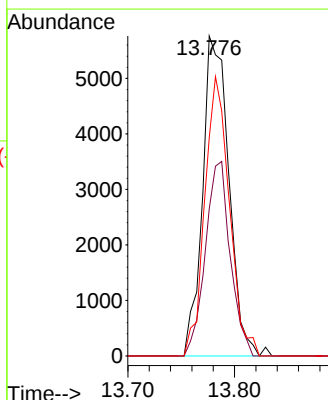
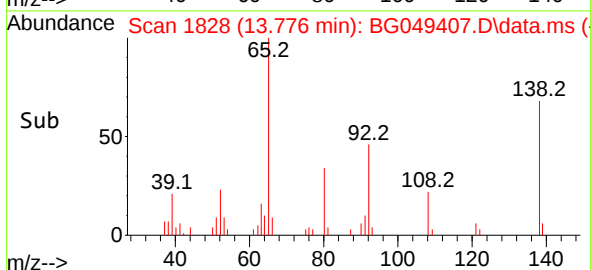
mohammad
7/23/2021 11:50:29 AM

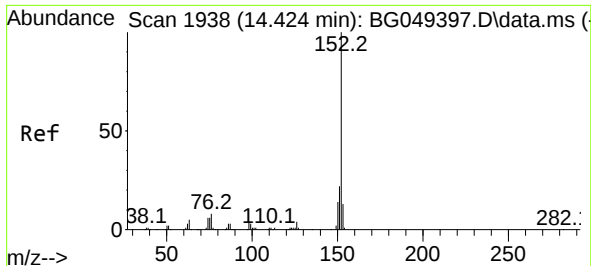


#48
2-Nitroaniline
Concen: 8.10 ng
RT: 13.776 min Scan# 1828
Delta R.T. -0.007 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



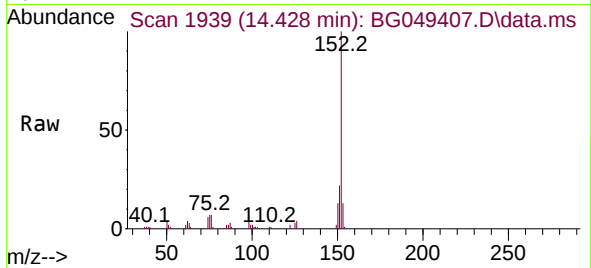
Tgt Ion: 65 Resp: 9890
Ion Ratio Lower Upper
65 100
92 46.0 47.2 70.8#
138 68.2 68.0 102.0





#49
Acenaphthylene
Concen: 7.64 ng
RT: 14.428 min Scan# 1939
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

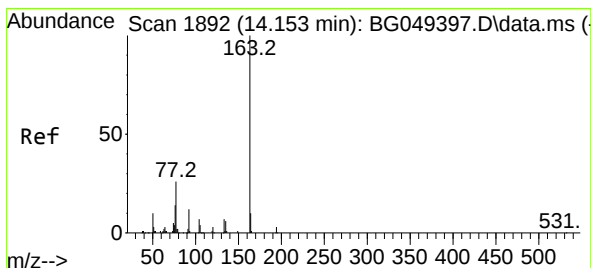
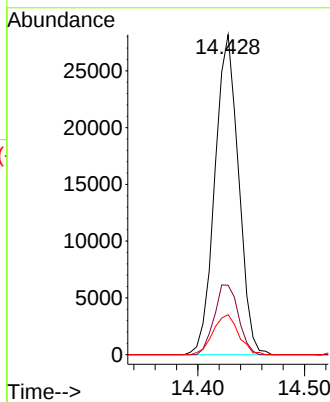
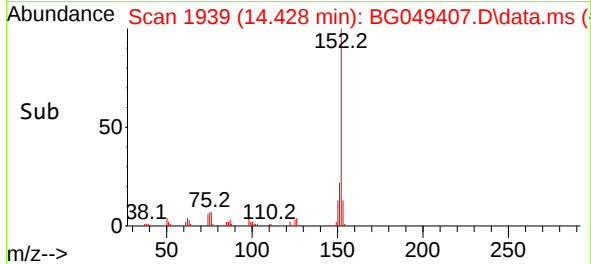
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



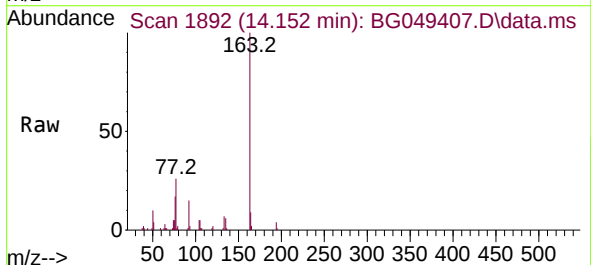
Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.7	18.2	27.4
153	12.5	11.7	17.5

Manual Integrations
APPROVED

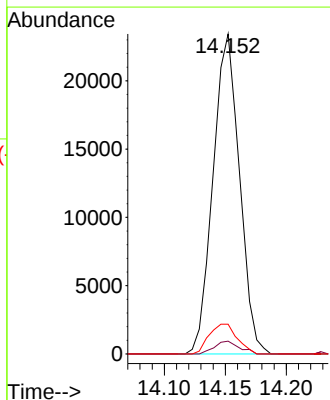
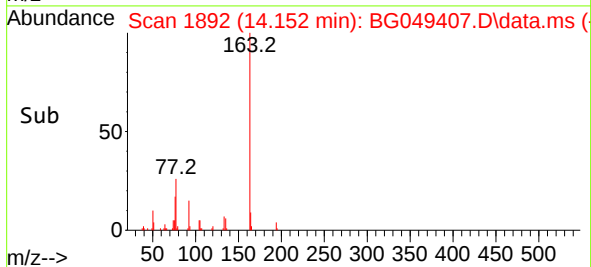
mohammad
7/23/2021 11:50:29 AM

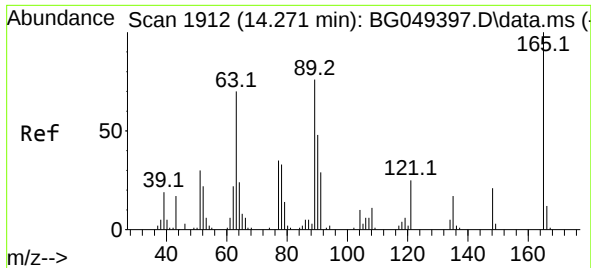


#50
Dimethylphthalate
Concen: 7.81 ng
RT: 14.152 min Scan# 1892
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

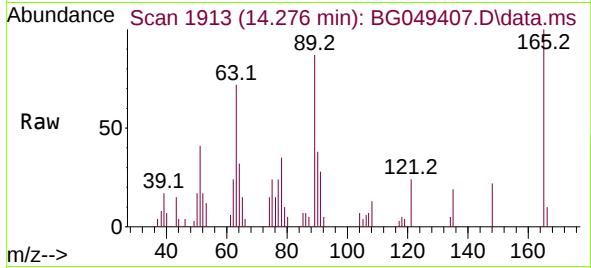


Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	9.3	8.6	12.8

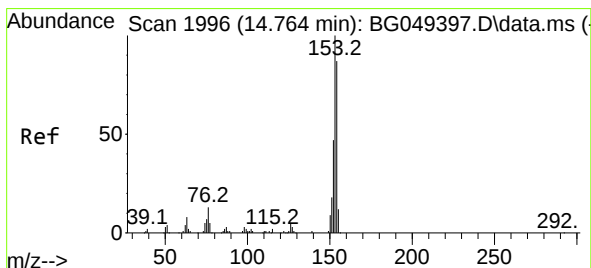
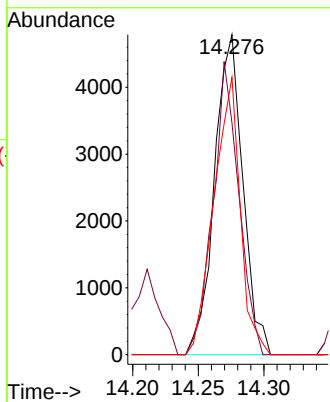
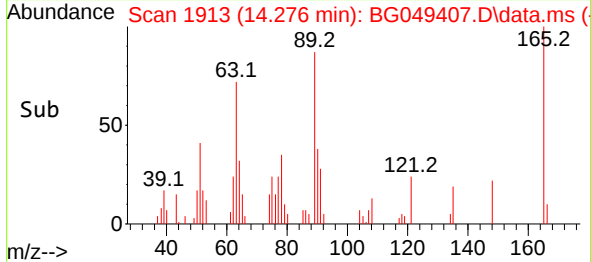




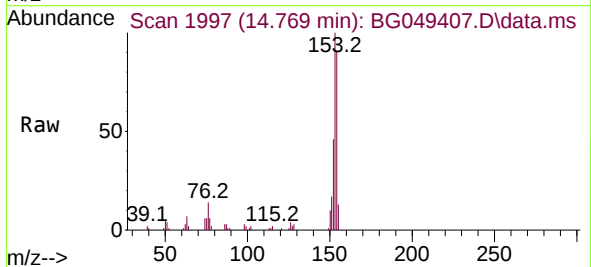
#51
2,6-Dinitrotoluene
Concen: 7.33 ng
RT: 14.276 min Scan# 1913
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



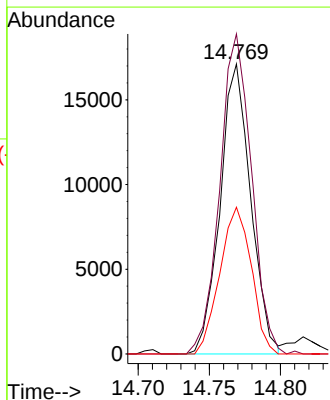
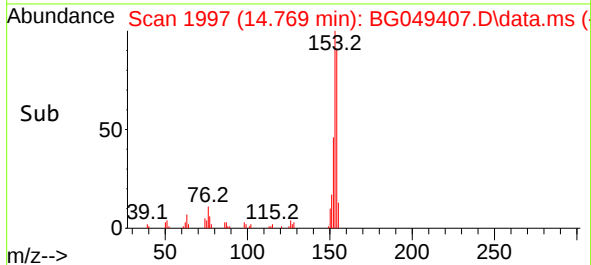
Tgt Ion:165 Resp: 7205
Ion Ratio Lower Upper
165 100
63 72.4 63.3 94.9
89 86.6 63.4 95.0



#52
Acenaphthene
Concen: 7.45 ng
RT: 14.769 min Scan# 1997
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



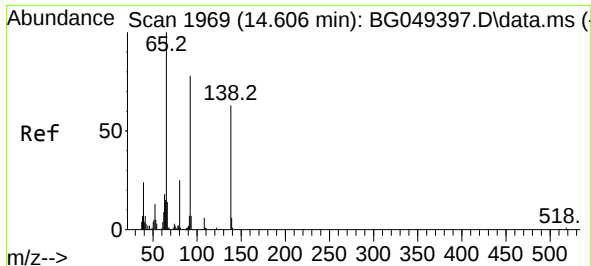
Tgt Ion:154 Resp: 25582
Ion Ratio Lower Upper
154 100
153 110.4 87.0 130.4
152 50.6 40.1 60.1



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

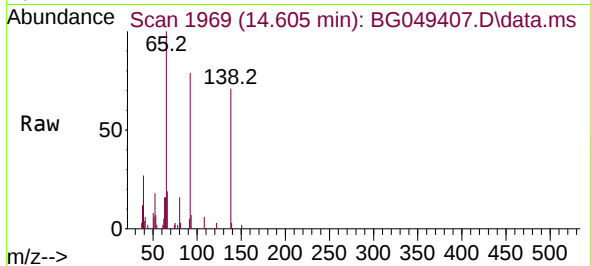
Manual Integrations
APPROVED

mohammad
7/23/2021 11:50:29 AM



#53
3-Nitroaniline
Concen: 7.64 ng
RT: 14.605 min Scan# 1969
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

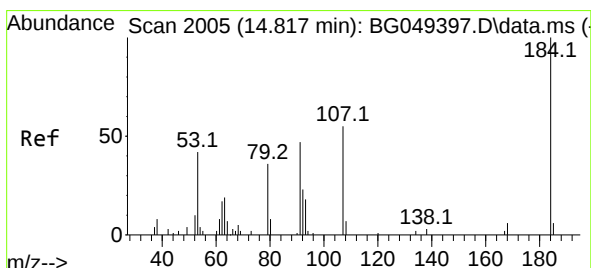
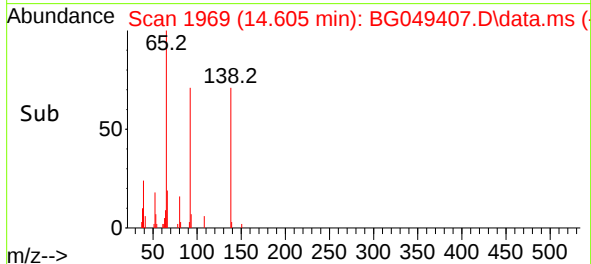
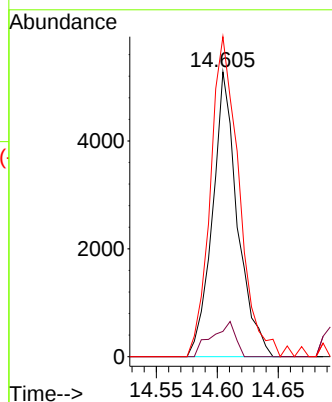
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



Tgt Ion:138 Resp: 7532
Ion Ratio Lower Upper
138 100
108 8.9 8.3 12.5
92 112.4 96.4 144.6

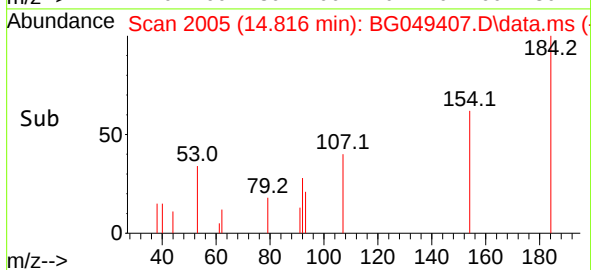
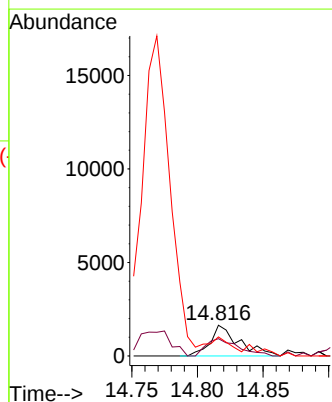
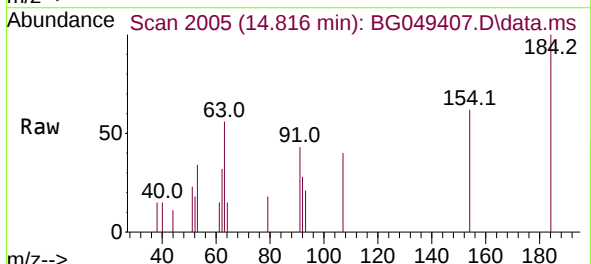
Manual Integrations
APPROVED

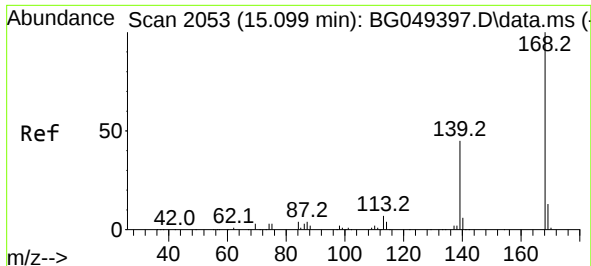
mohammad
7/23/2021 11:50:29 AM



#54
2,4-Dinitrophenol
Concen: 6.03 ng
RT: 14.816 min Scan# 2005
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

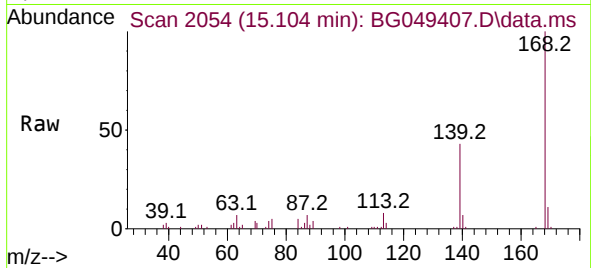
Tgt Ion:184 Resp: 2495
Ion Ratio Lower Upper
184 100
63 56.1 68.3 102.5#
154 61.8 62.6 93.8#





#55
Dibenzofuran
Concen: 7.57 ng
RT: 15.104 min Scan# 2054
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

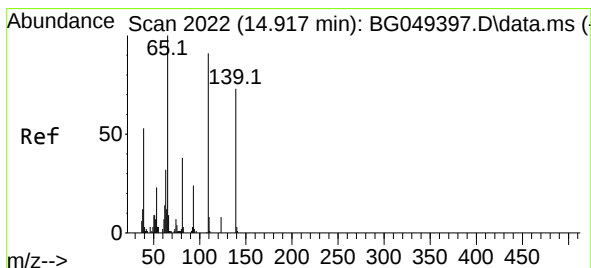
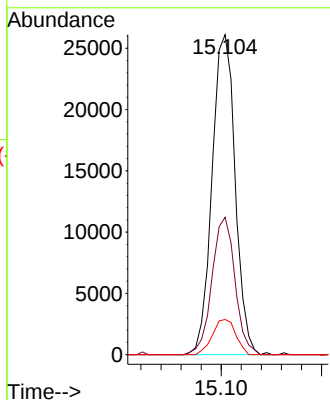
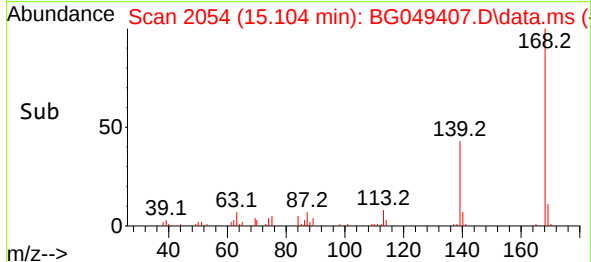
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



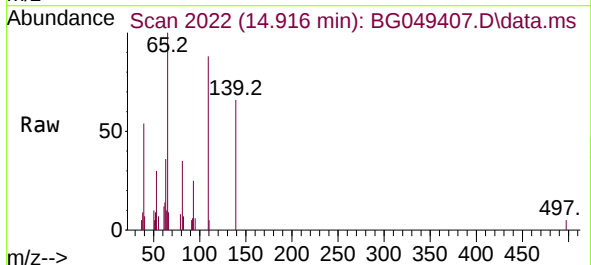
Tgt Ion:168 Resp: 41731
Ion Ratio Lower Upper
168 100
139 43.0 33.4 50.2
169 11.0 12.3 18.5#

Manual Integrations
APPROVED

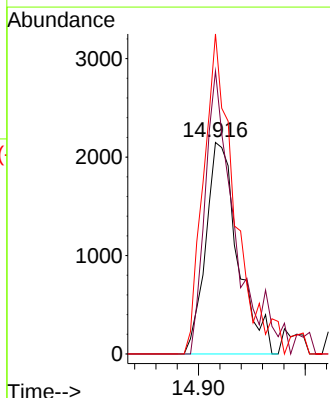
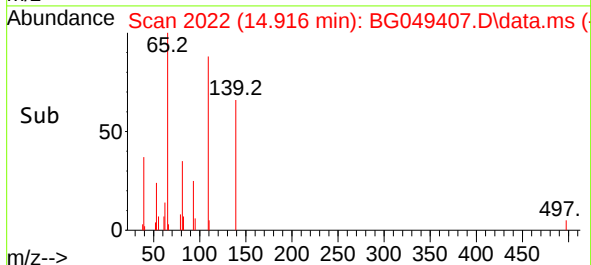
mohammad
7/23/2021 11:50:29 AM

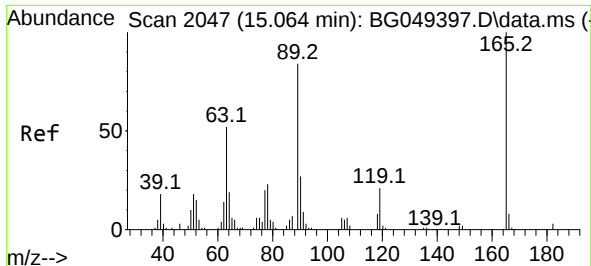


#56
4-Nitrophenol
Concen: 5.76 ng
RT: 14.916 min Scan# 2022
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

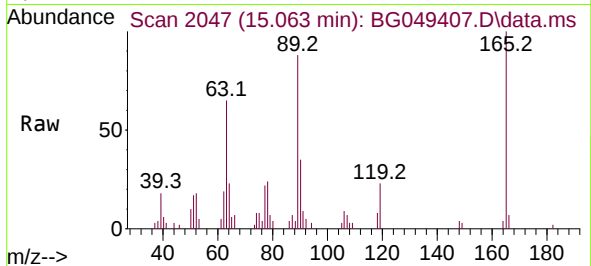


Tgt Ion:139 Resp: 4476
Ion Ratio Lower Upper
139 100
109 133.7 116.3 156.3
65 151.3 105.0 145.0#

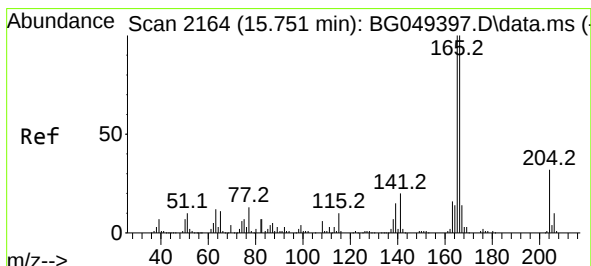
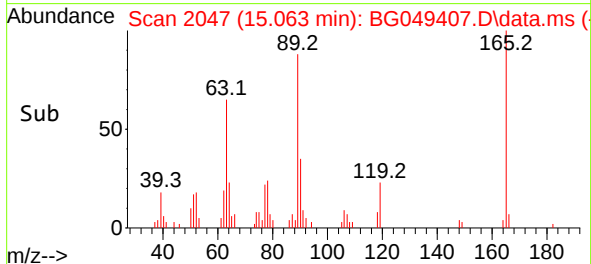
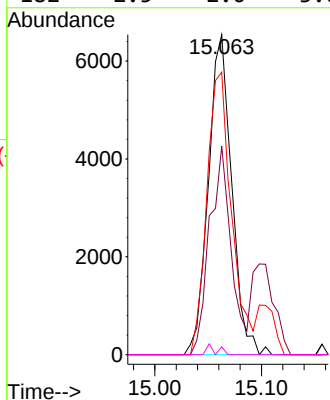




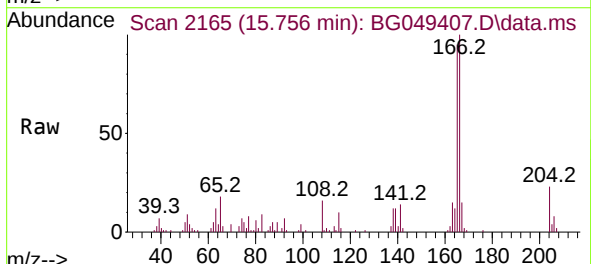
#57
2,4-Dinitrotoluene
Concen: 7.34 ng
RT: 15.063 min Scan# 2047
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



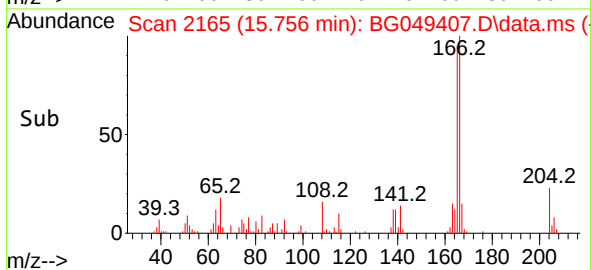
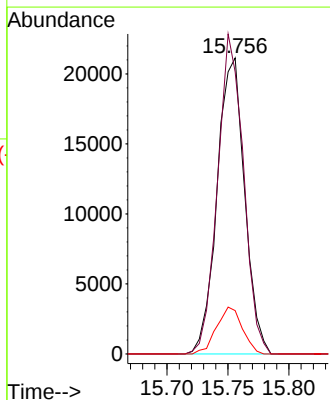
Tgt Ion:	165	Resp:	9966
Ion Ratio	Lower	Upper	
165	100		
63	65.2	48.0	72.0
89	88.3	65.4	98.0
182	2.5	2.0	3.0



#58
Fluorene
Concen: 7.45 ng
RT: 15.756 min Scan# 2165
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



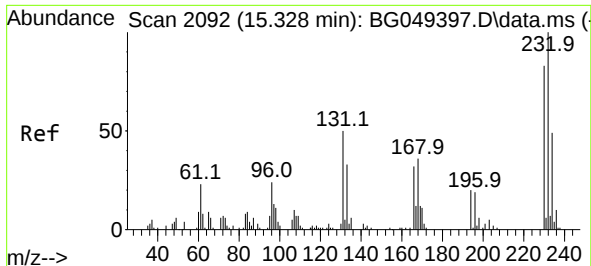
Tgt Ion:	166	Resp:	33268
Ion Ratio	Lower	Upper	
166	100		
165	95.3	77.7	116.5
167	14.7	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

mohammad
7/23/2021 11:50:29 AM



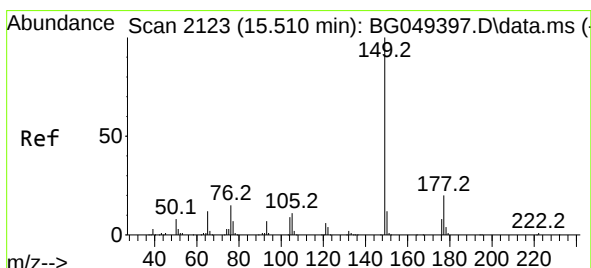
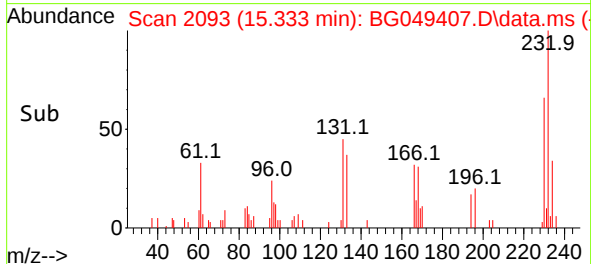
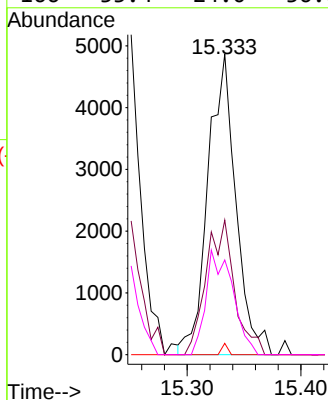
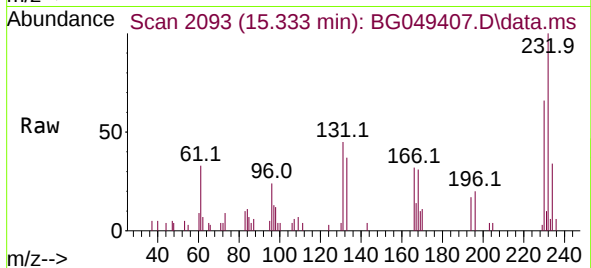
#59
2,3,4,6-Tetrachlorophenol
Concen: 6.97 ng
RT: 15.333 min Scan# 2093
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:232 Resp: 8289
Ion Ratio Lower Upper
232 100
131 45.6 37.2 55.8
130 0.8 2.8 4.2#
166 33.4 24.0 36.0

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

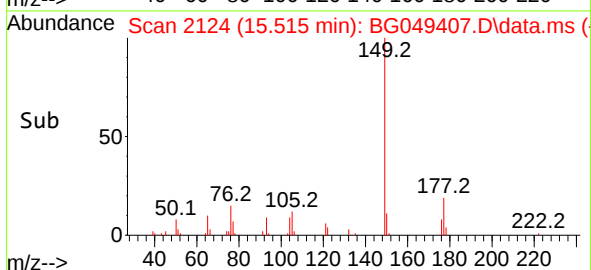
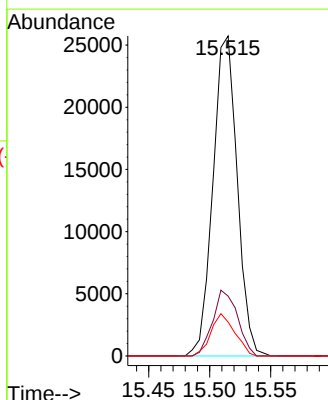
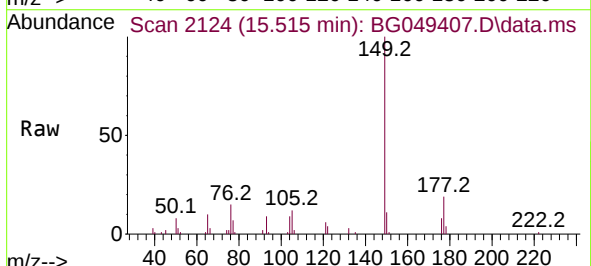
Manual Integrations
APPROVED

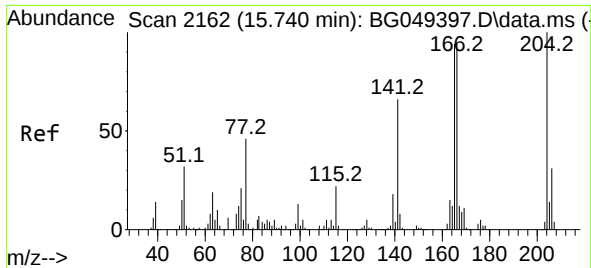
mohammad
7/23/2021 11:50:29 AM



#60
Diethylphthalate
Concen: 7.84 ng
RT: 15.515 min Scan# 2124
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

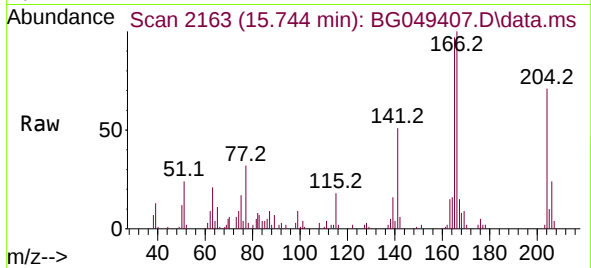
Tgt Ion:149 Resp: 35631
Ion Ratio Lower Upper
149 100
177 18.7 19.0 28.6#
150 10.6 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 7.65 ng
RT: 15.744 min Scan# 2163
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

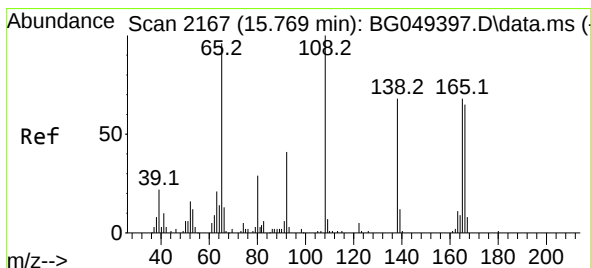
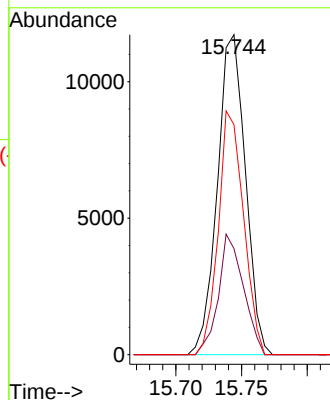
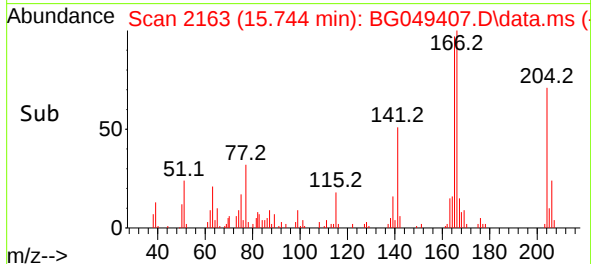
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



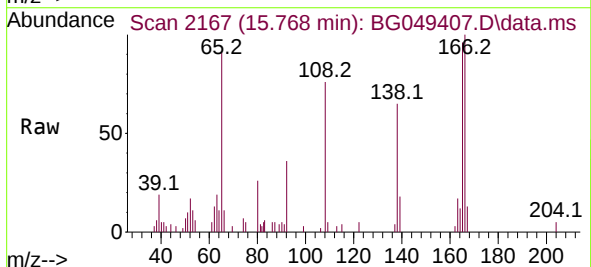
Tgt Ion:204 Resp: 17383
Ion Ratio Lower Upper
204 100
206 33.1 24.6 37.0
141 71.9 47.8 71.8#

Manual Integrations
APPROVED

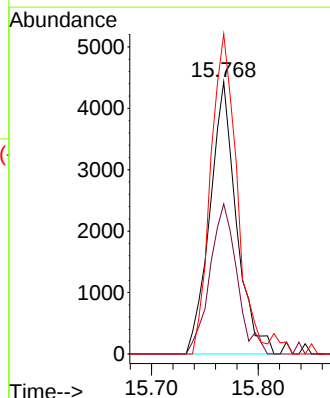
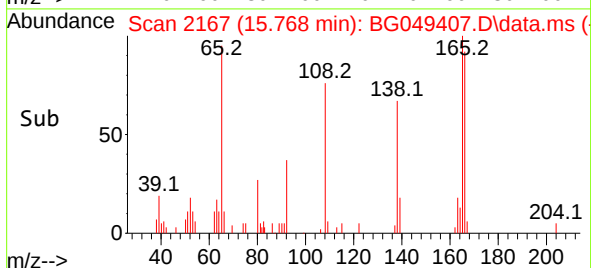
mohammad
7/23/2021 11:50:29 AM

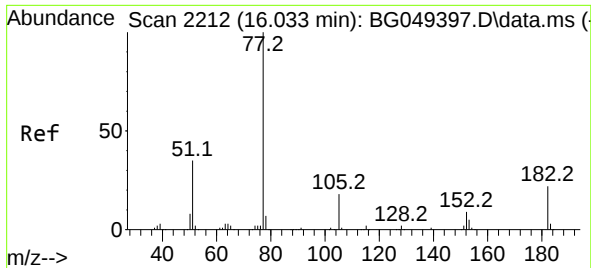


#62
4-Nitroaniline
Concen: 7.39 ng
RT: 15.768 min Scan# 2167
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

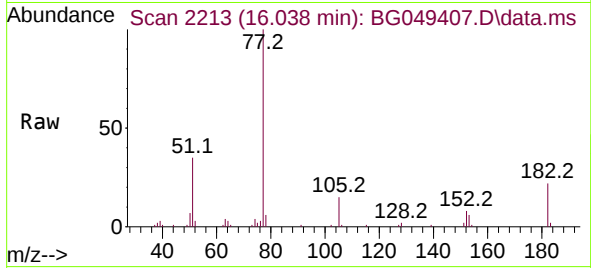


Tgt Ion:138 Resp: 7665
Ion Ratio Lower Upper
138 100
92 55.1 32.3 72.3
108 117.6 132.4 172.4#

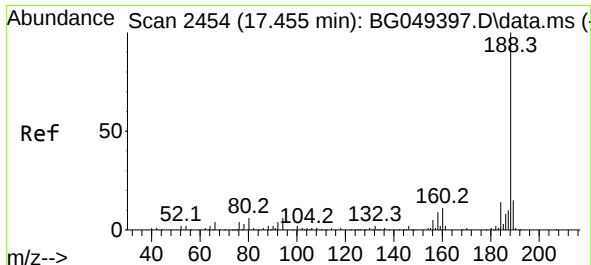
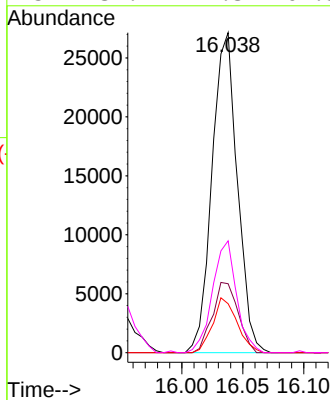
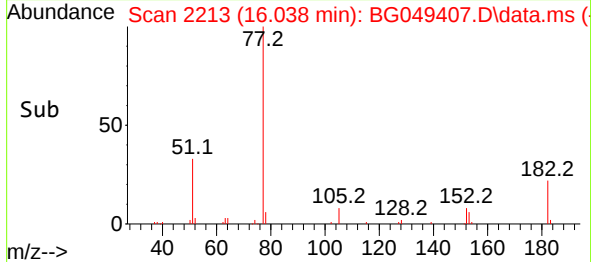




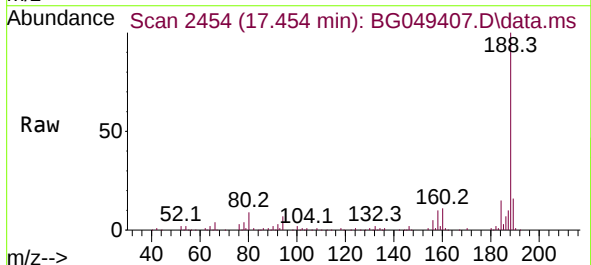
#63
Azobenzene
Concen: 7.79 ng
RT: 16.038 min Scan# 2213
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



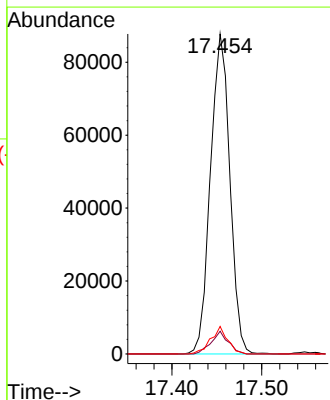
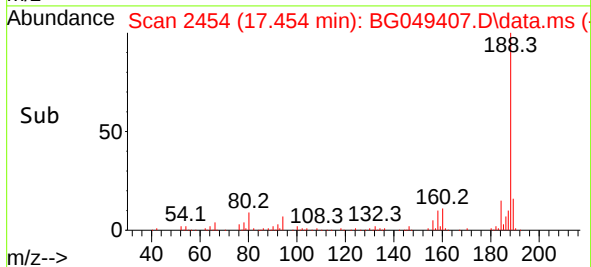
Tgt Ion: 77 Resp: 39215
Ion Ratio Lower Upper
77 100
182 21.5 7.9 47.9
105 15.3 0.0 37.9
51 34.9 27.3 67.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.454 min Scan# 2454
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



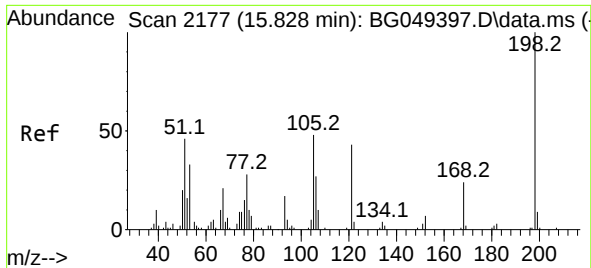
Tgt Ion: 188 Resp: 131583
Ion Ratio Lower Upper
188 100
94 7.1 5.4 8.0
80 8.6 3.7 5.5#



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

mohammad
7/23/2021 11:50:29 AM



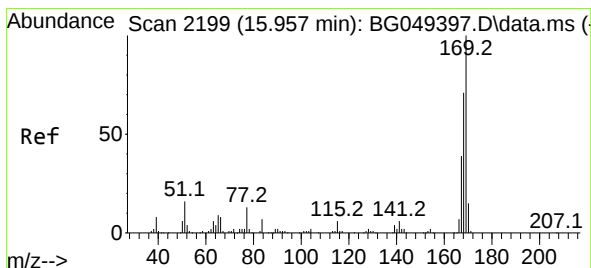
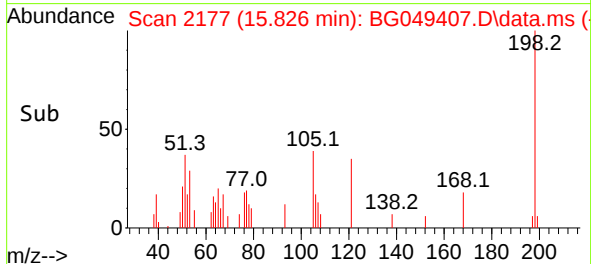
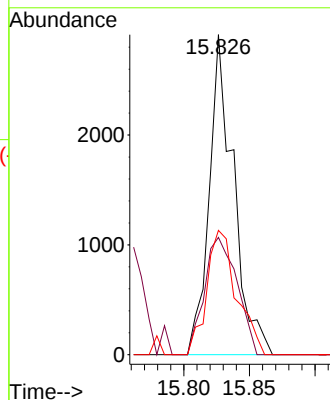
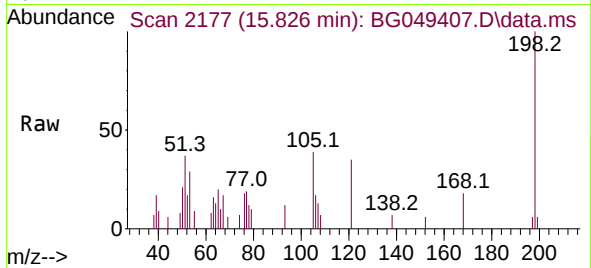
#65
4,6-Dinitro-2-methylphenol
Concen: 5.27 ng
RT: 15.826 min Scan# 2177
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:	198	Resp:	3757
Ion Ratio	Lower	Upper	
198	100		
51	36.7	29.4	69.4
105	38.9	15.1	55.1

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

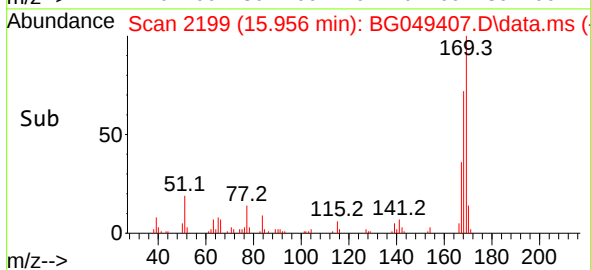
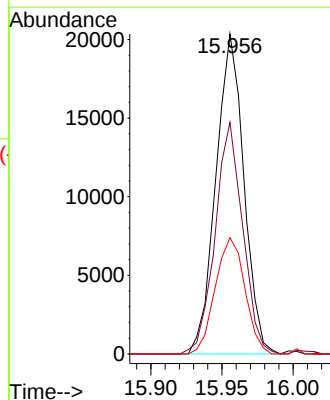
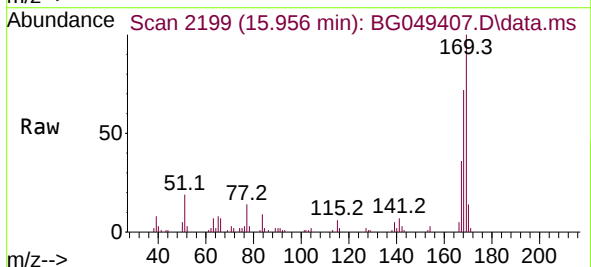
Manual Integrations
APPROVED

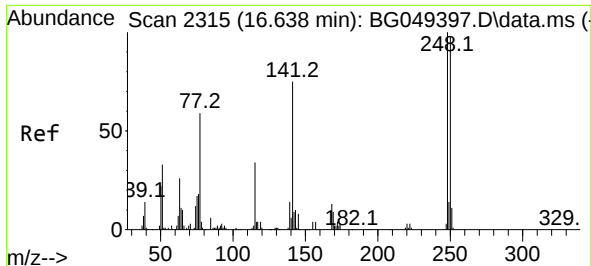
mohammad
7/23/2021 11:50:29 AM



#66
n-Nitrosodiphenylamine
Concen: 7.36 ng
RT: 15.956 min Scan# 2199
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

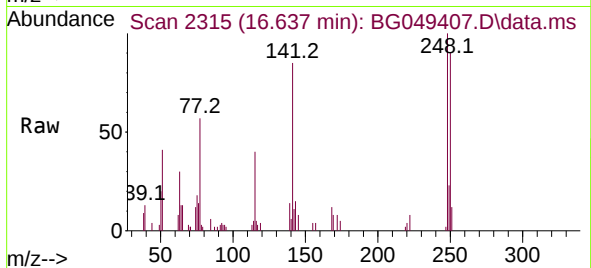
Tgt Ion:	169	Resp:	27826
Ion Ratio	Lower	Upper	
169	100		
168	72.3	56.3	84.5
167	36.3	28.4	42.6





#67
4-Bromophenyl-phenylether
Concen: 7.77 ng
RT: 16.637 min Scan# 2315
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

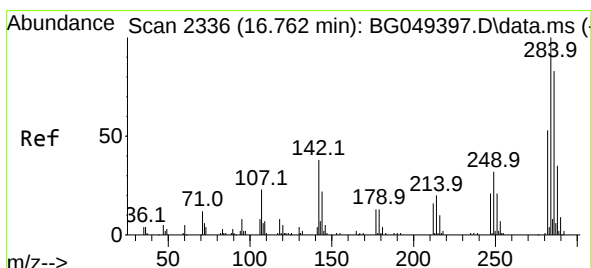
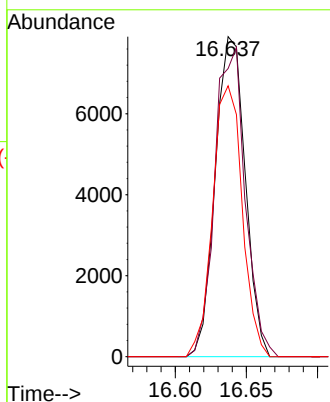
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



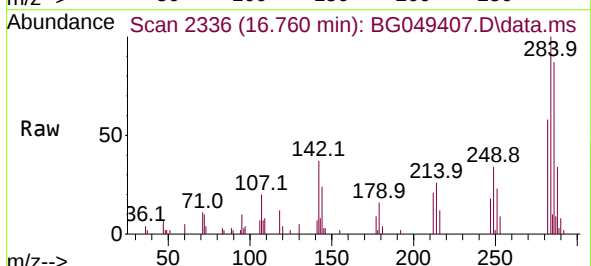
Tgt Ion:	248	Resp:	11575
Ion Ratio	Lower	Upper	
248	100		
250	90.1	76.1	114.1
141	84.6	65.4	98.2

Manual Integrations
APPROVED

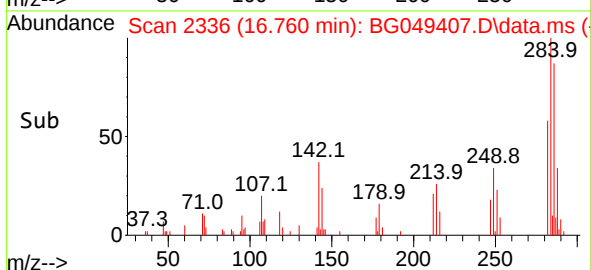
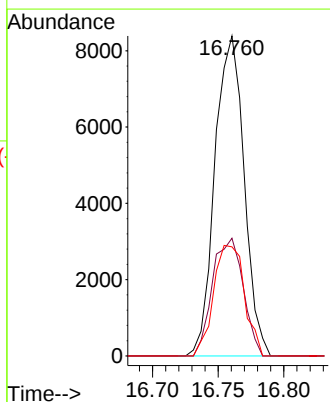
mohammad
7/23/2021 11:50:29 AM

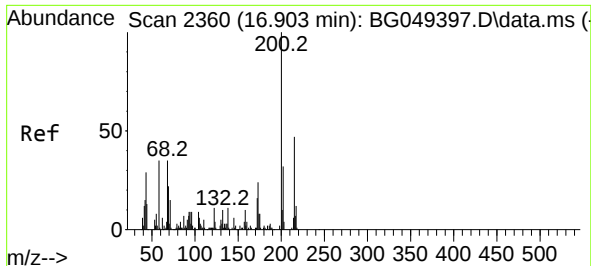


#68
Hexachlorobenzene
Concen: 7.68 ng
RT: 16.760 min Scan# 2336
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



Tgt Ion:	284	Resp:	12967
Ion Ratio	Lower	Upper	
284	100		
142	36.8	27.0	40.6
249	34.1	28.2	42.2





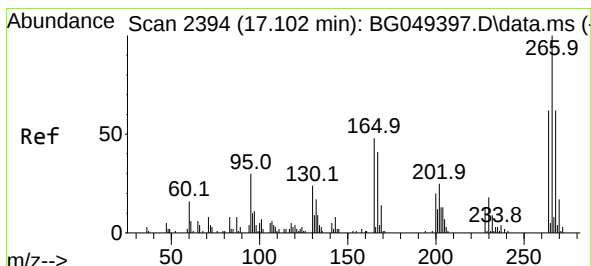
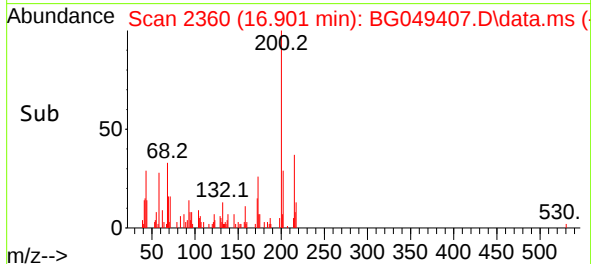
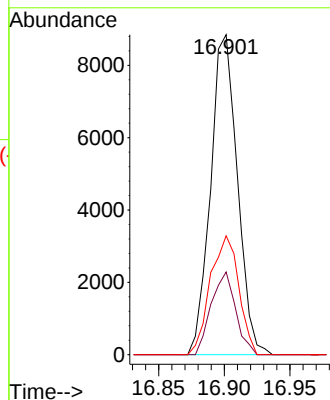
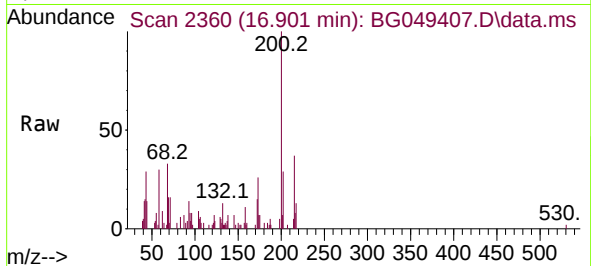
#69
Atrazine
Concen: 8.40 ng
RT: 16.901 min Scan# 2360
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:	200	Resp:	12578
Ion Ratio	Lower	Upper	
200	100		
173	25.9	3.7	43.7
215	37.1	26.9	66.9

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

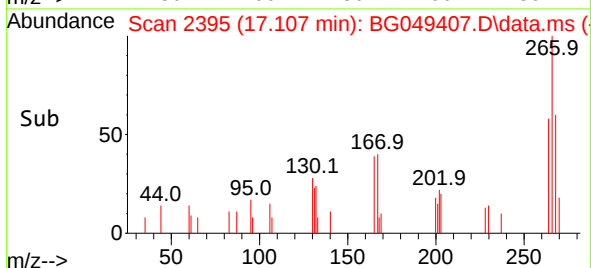
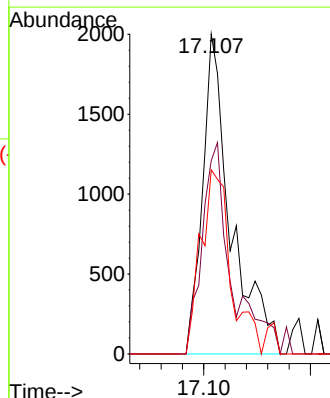
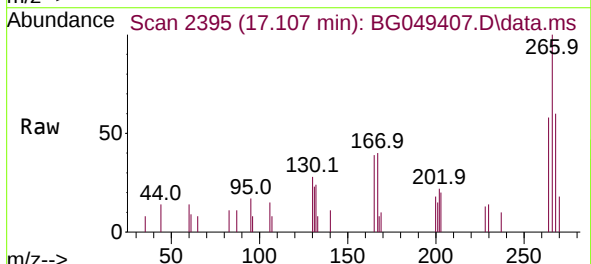
Manual Integrations
APPROVED

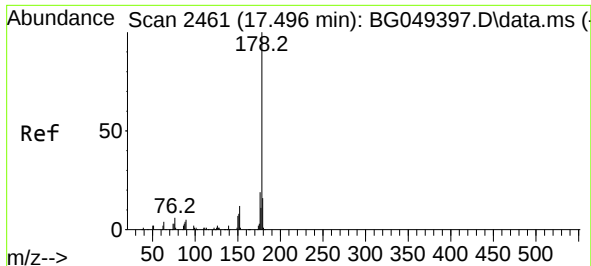
mohammad
7/23/2021 11:50:29 AM



#70
Pentachlorophenol
Concen: 4.90 ng
RT: 17.107 min Scan# 2395
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:	266	Resp:	3717
Ion Ratio	Lower	Upper	
266	100		
268	60.4	49.0	73.4
264	57.5	49.0	73.6





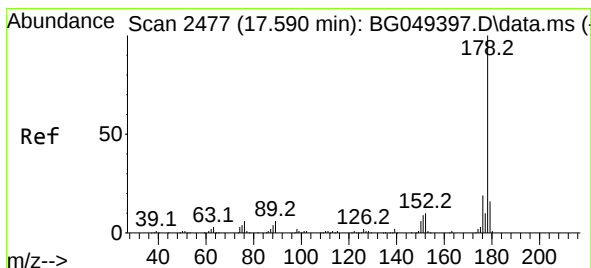
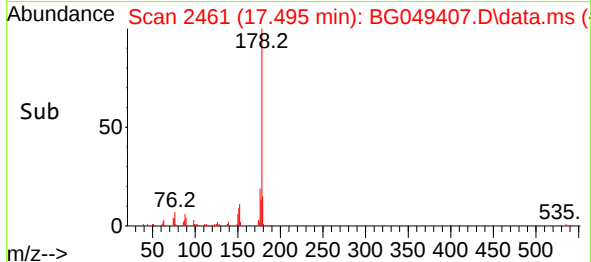
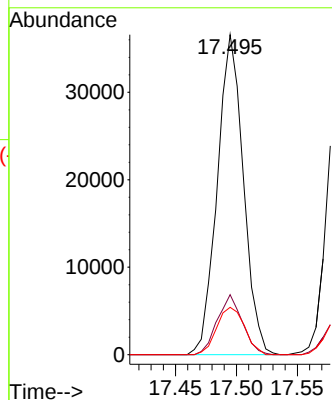
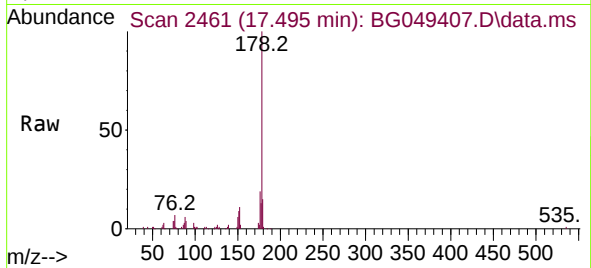
#71
Phenanthrene
Concen: 7.71 ng
RT: 17.495 min Scan# 2461
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:178 Resp: 54515
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 14.8 14.2 21.4

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

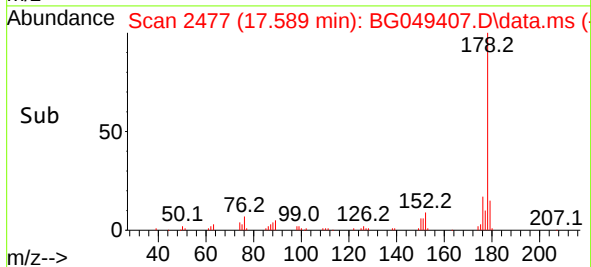
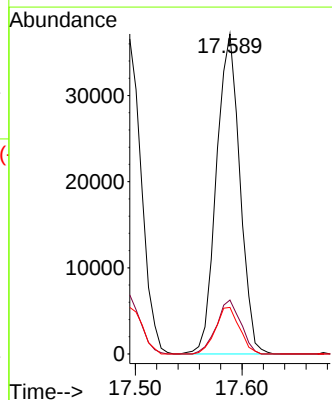
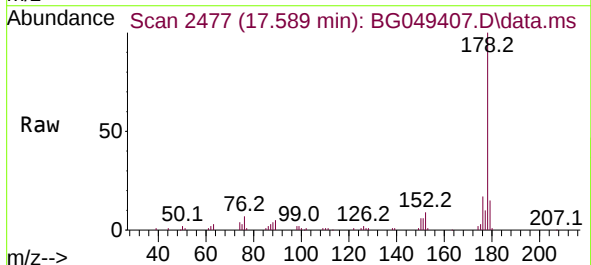
Manual Integrations
APPROVED

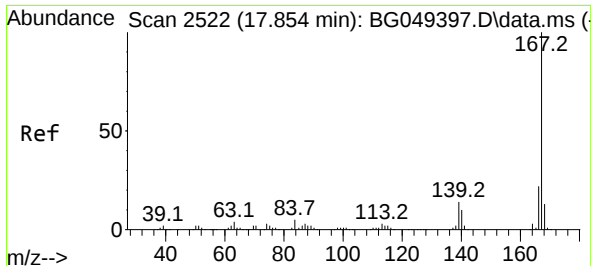
mohammad
7/23/2021 11:50:29 AM



#72
Anthracene
Concen: 8.16 ng
RT: 17.589 min Scan# 2477
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

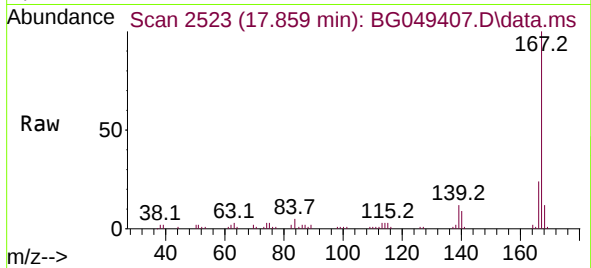
Tgt Ion:178 Resp: 56715
Ion Ratio Lower Upper
178 100
176 16.8 14.6 21.8
179 14.5 13.4 20.0





#73
 Carbazole
 Concen: 7.52 ng
 RT: 17.859 min Scan# 2523
 Delta R.T. 0.005 min
 Lab File: BG049407.D
 Acq: 22 Jul 2021 11:45

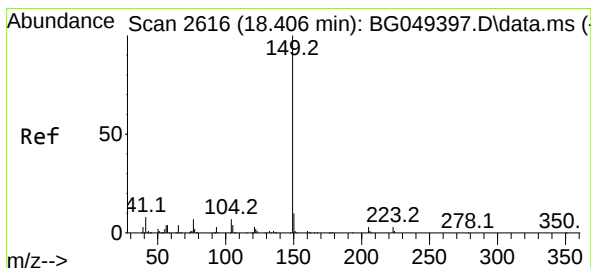
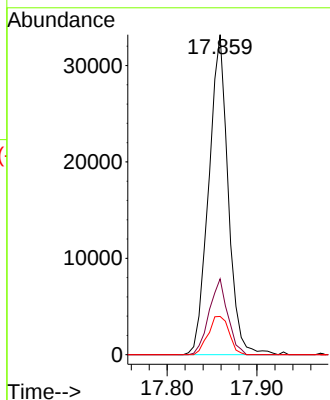
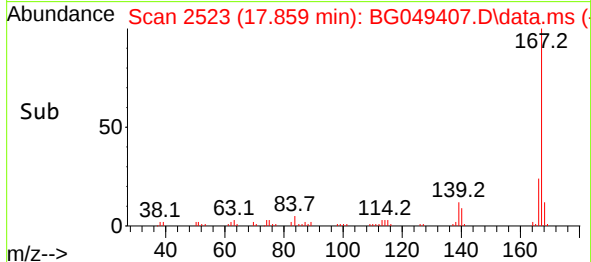
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2021



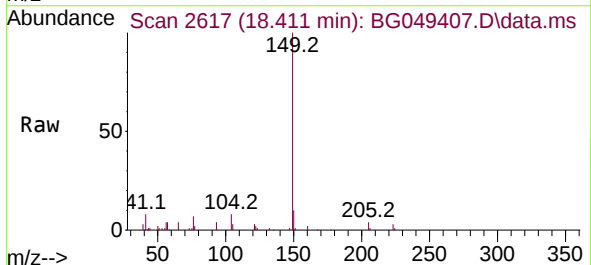
Tgt Ion:167 Resp: 49753
 Ion Ratio Lower Upper
 167 100
 166 23.7 17.4 26.2
 139 12.0 10.7 16.1

Manual Integrations
 APPROVED

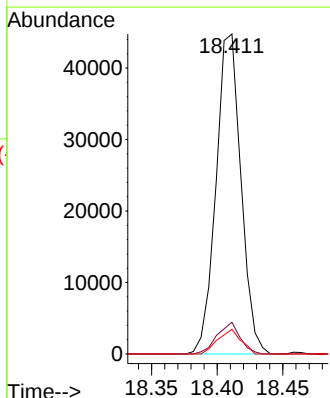
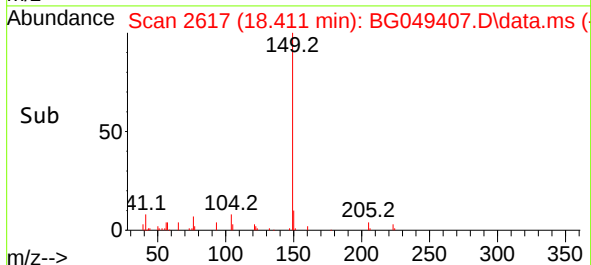
mohammad
 7/23/2021 11:50:29 AM

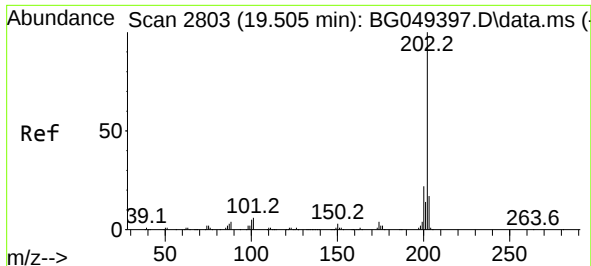


#74
 Di-n-butylphthalate
 Concen: 7.84 ng
 RT: 18.411 min Scan# 2617
 Delta R.T. 0.005 min
 Lab File: BG049407.D
 Acq: 22 Jul 2021 11:45

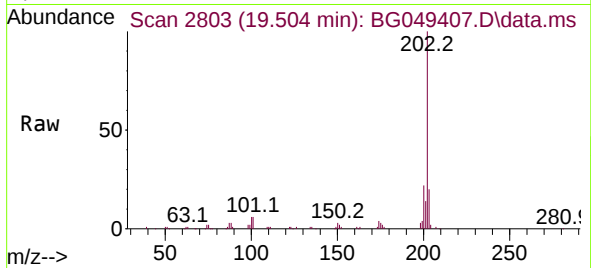


Tgt Ion:149 Resp: 59116
 Ion Ratio Lower Upper
 149 100
 150 9.9 7.5 11.3
 104 7.7 6.6 10.0

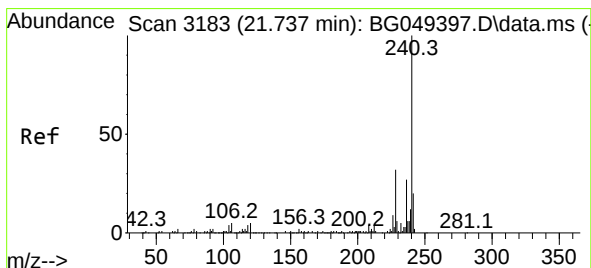
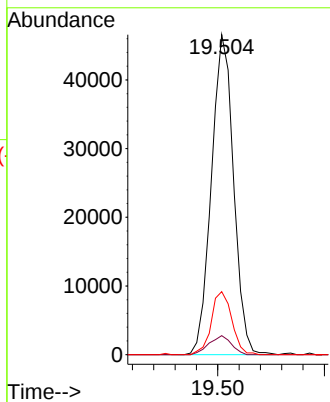
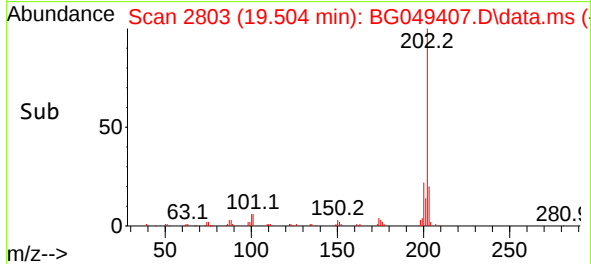




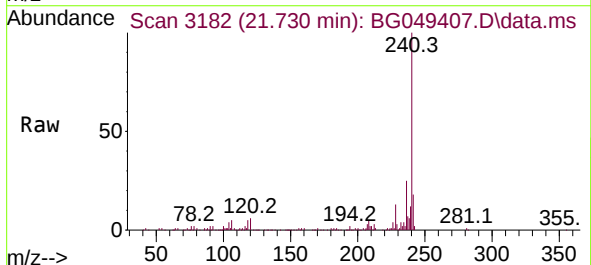
#75
Fluoranthene
Concen: 7.62 ng
RT: 19.504 min Scan# 2803
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



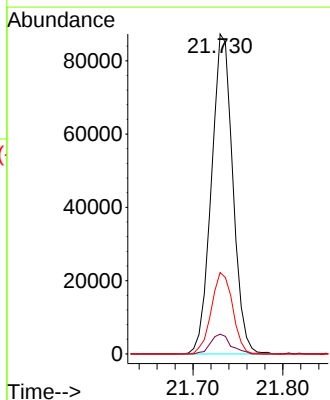
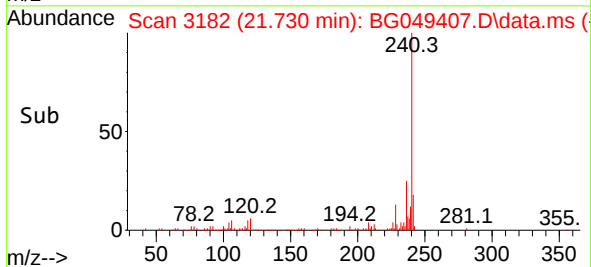
Tgt Ion:202 Resp: 67145
Ion Ratio Lower Upper
202 100
101 6.0 0.0 24.7
203 19.7 0.0 38.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.730 min Scan# 3182
Delta R.T. -0.007 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



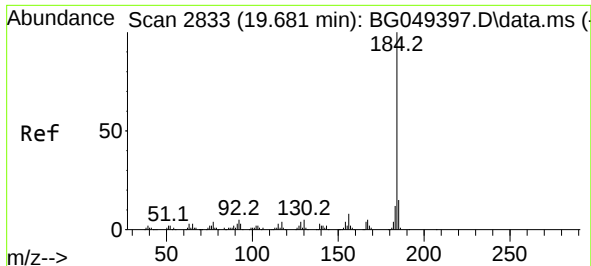
Tgt Ion:240 Resp: 144213
Ion Ratio Lower Upper
240 100
120 6.2 4.2 6.2
236 25.5 21.8 32.6



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
APPROVED

mohammad
7/23/2021 11:50:29 AM



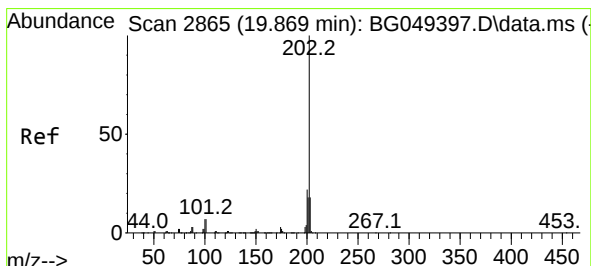
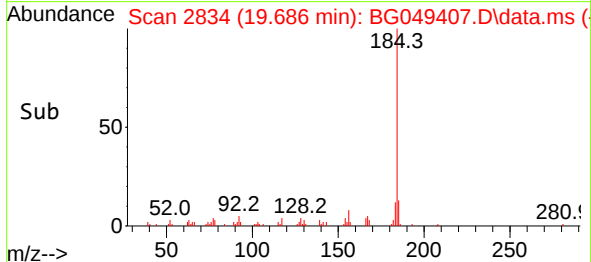
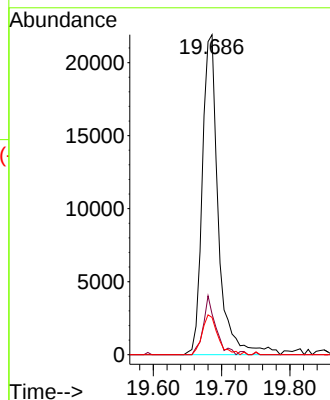
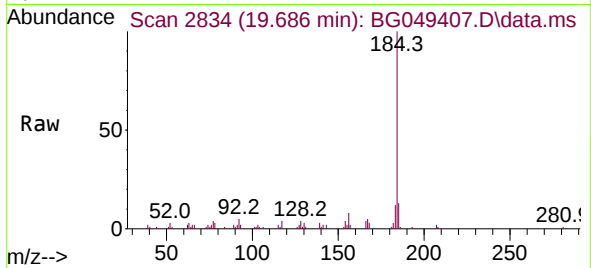
#77
Benzidine
Concen: 8.97 ng
RT: 19.686 min Scan# 2834
Delta R.T. 0.005 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:184 Resp: 35809
Ion Ratio Lower Upper
184 100
185 12.7 10.7 16.1
183 11.7 9.4 14.0

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

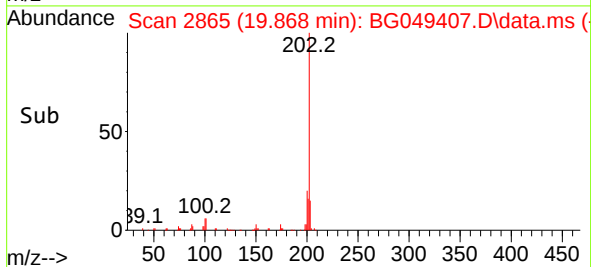
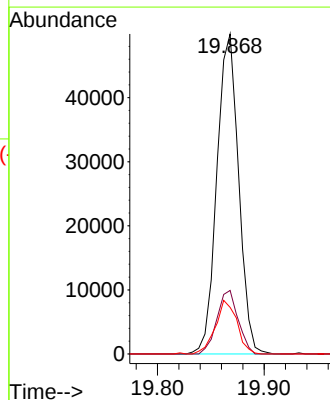
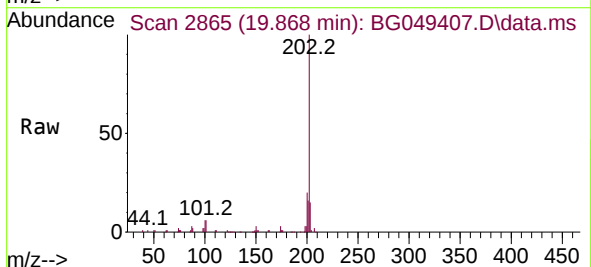
Manual Integrations
APPROVED

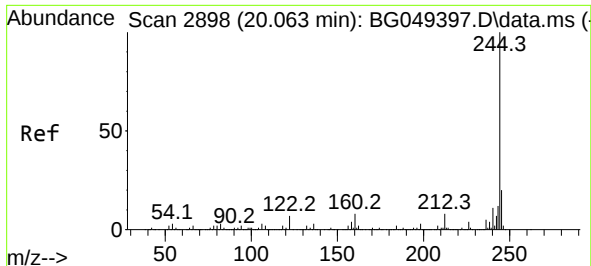
mohammad
7/23/2021 11:50:29 AM



#78
Pyrene
Concen: 7.46 ng
RT: 19.868 min Scan# 2865
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:202 Resp: 70625
Ion Ratio Lower Upper
202 100
200 19.8 15.8 23.8
203 14.6 14.6 21.8





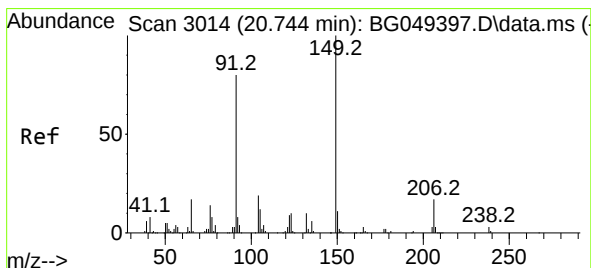
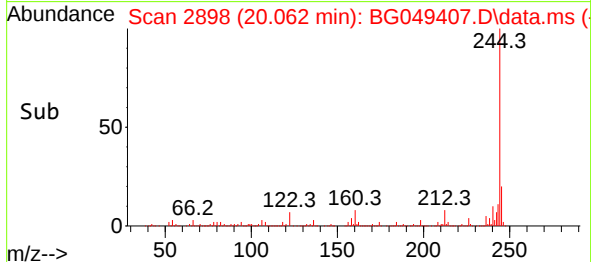
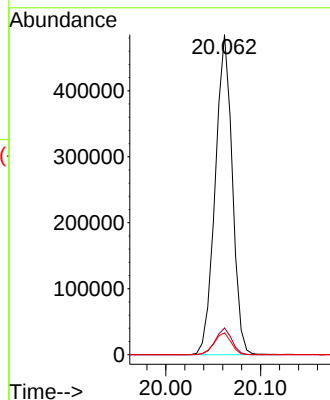
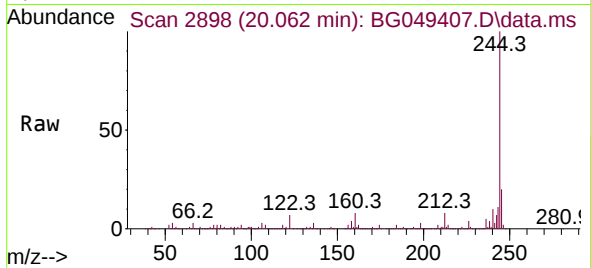
#79
Terphenyl-d14
Concen: 81.99 ng
RT: 20.062 min Scan# 2898
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:244 Resp: 605440
Ion Ratio Lower Upper
244 100
212 8.3 6.9 10.3
122 6.8 5.0 7.6

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

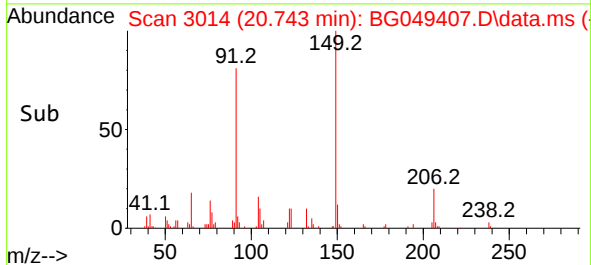
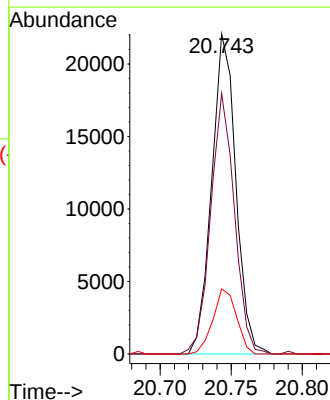
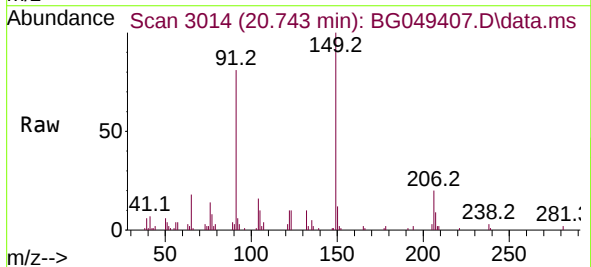
Manual Integrations
APPROVED

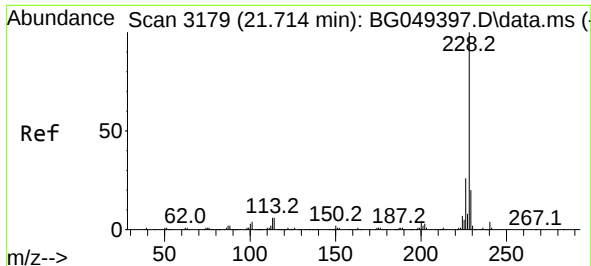
mohammad
7/23/2021 11:50:29 AM



#80
Butylbenzylphthalate
Concen: 7.56 ng
RT: 20.743 min Scan# 3014
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

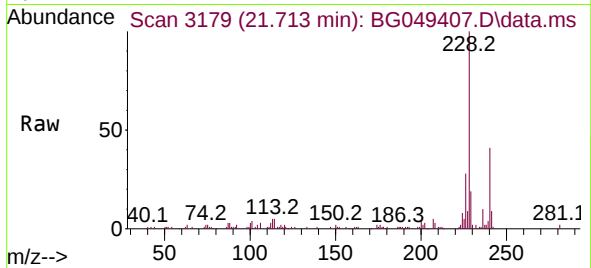
Tgt Ion:149 Resp: 26019
Ion Ratio Lower Upper
149 100
91 81.3 63.4 95.2
206 20.3 18.4 27.6





#81
Benzo(a)anthracene
Concen: 7.59 ng
RT: 21.713 min Scan# 3179
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

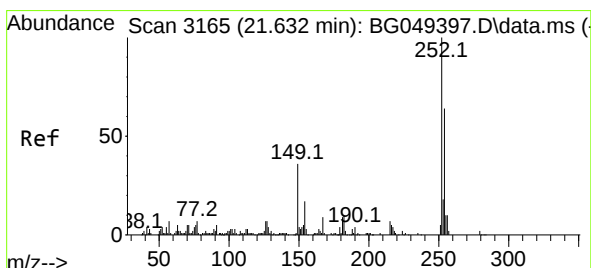
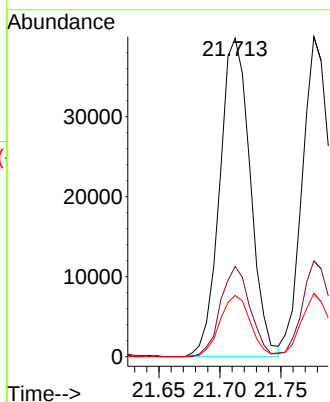
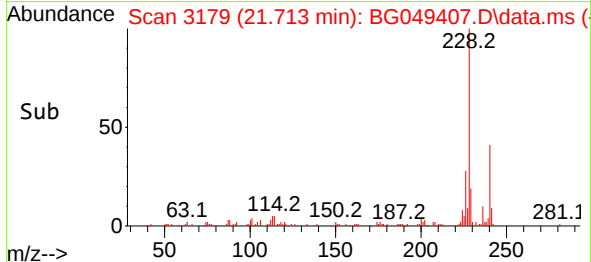
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



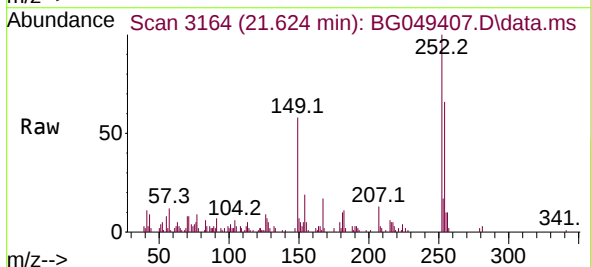
Tgt Ion:228 Resp: 69307
Ion Ratio Lower Upper
228 100
226 28.3 22.7 34.1
229 19.3 16.0 24.0

Manual Integrations
APPROVED

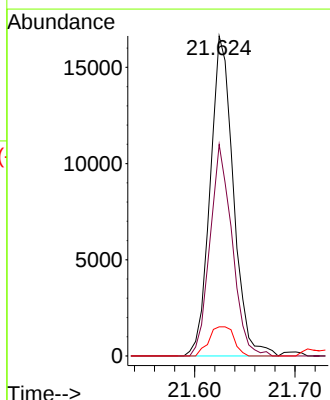
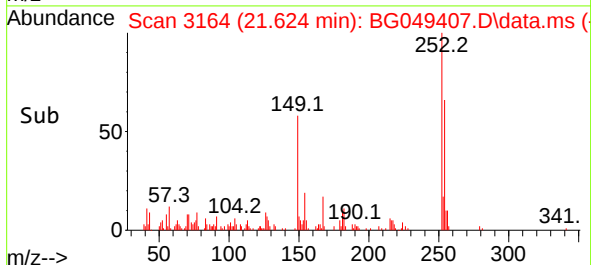
mohammad
7/23/2021 11:50:29 AM

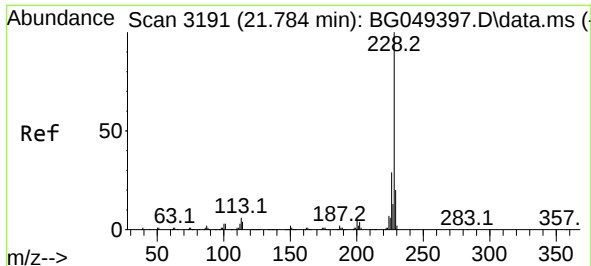


#82
3,3'-Dichlorobenzidine
Concen: 10.13 ng
RT: 21.624 min Scan# 3164
Delta R.T. -0.007 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



Tgt Ion:252 Resp: 26705
Ion Ratio Lower Upper
252 100
254 66.1 52.4 78.6
126 9.1 5.9 8.9#





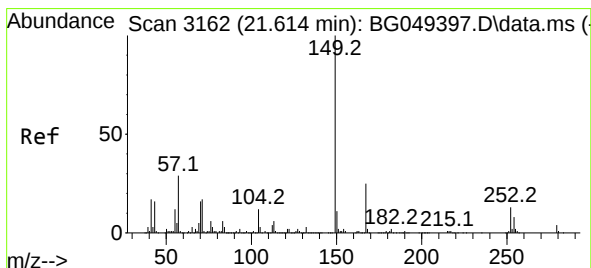
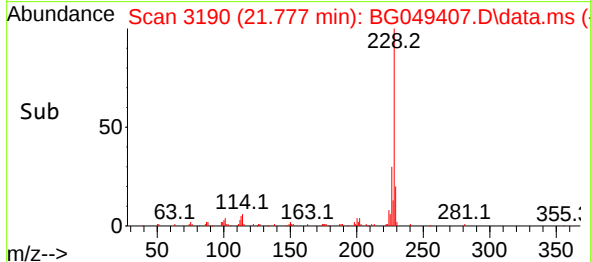
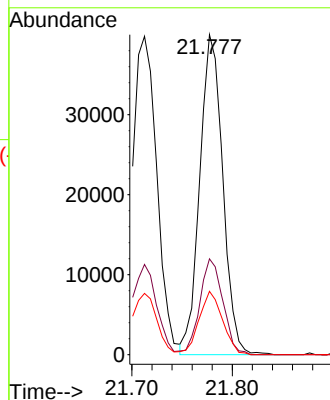
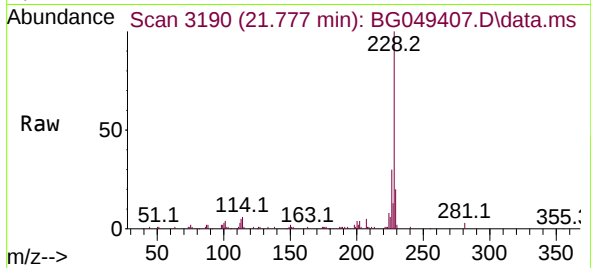
#83
Chrysene
Concen: 7.25 ng
RT: 21.777 min Scan# 3190
Delta R.T. -0.007 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:228 Resp: 63878
Ion Ratio Lower Upper
228 100
226 30.0 23.1 34.7
229 19.8 15.3 22.9

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

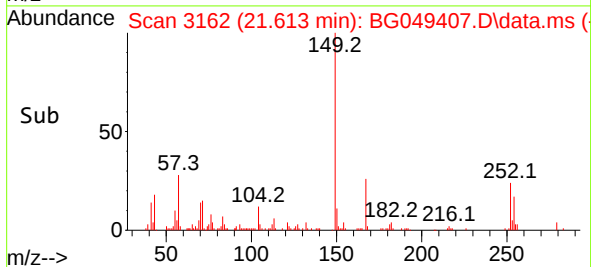
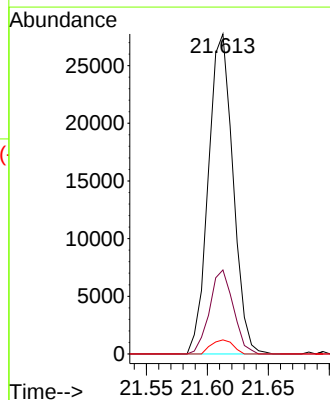
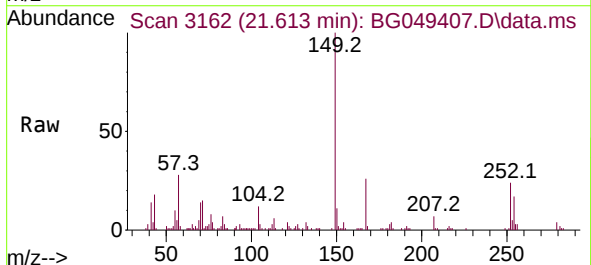
Manual Integrations
APPROVED

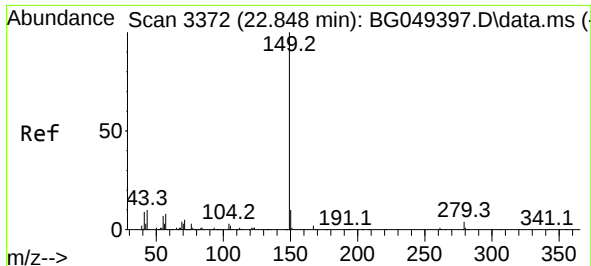
mohammad
7/23/2021 11:50:29 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.56 ng
RT: 21.613 min Scan# 3162
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:149 Resp: 39023
Ion Ratio Lower Upper
149 100
167 26.2 22.3 33.5
279 4.4 3.8 5.8





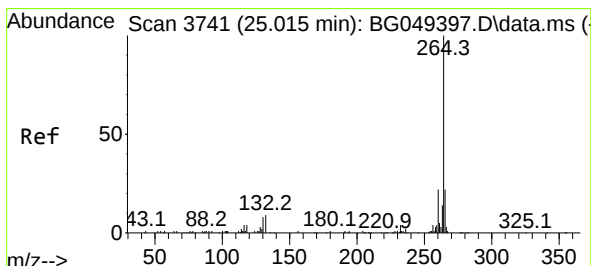
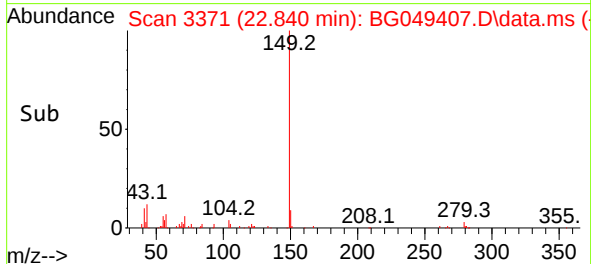
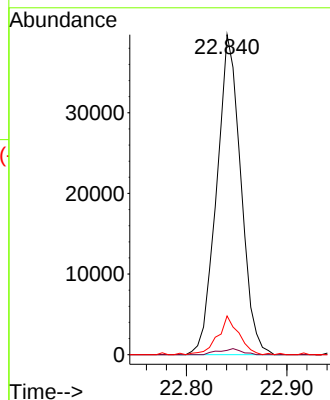
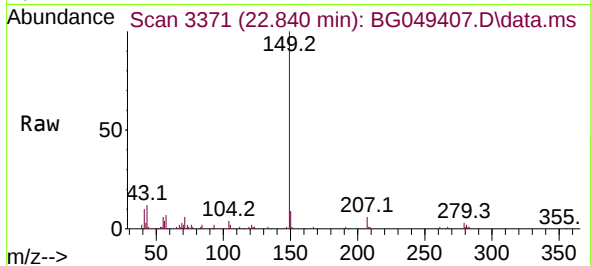
#85
Di-n-octyl phthalate
Concen: 7.43 ng
RT: 22.840 min Scan# 3371
Delta R.T. -0.007 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:149 Resp: 66220
Ion Ratio Lower Upper
149 100
167 1.8 1.4 2.2
43 10.7 8.6 12.8

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

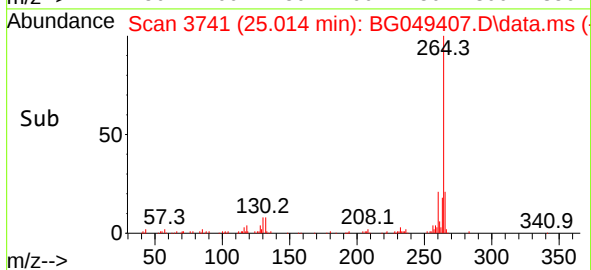
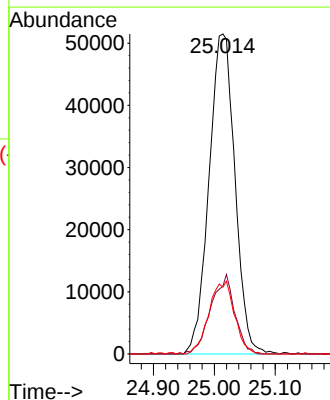
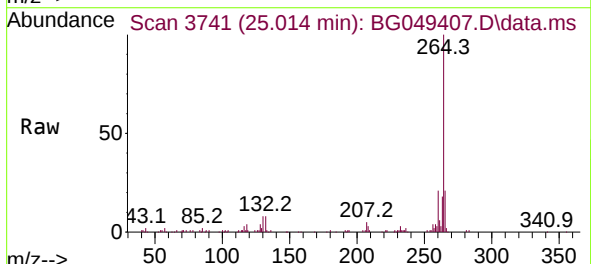
Manual Integrations
APPROVED

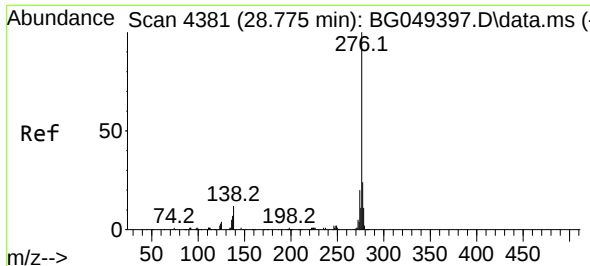
mohammad
7/23/2021 11:50:29 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.014 min Scan# 3741
Delta R.T. -0.001 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion:264 Resp: 152167
Ion Ratio Lower Upper
264 100
260 21.2 19.4 29.2
265 20.9 16.9 25.3





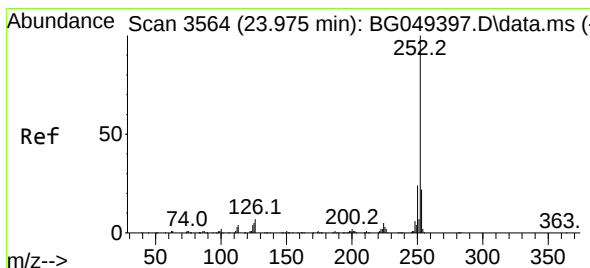
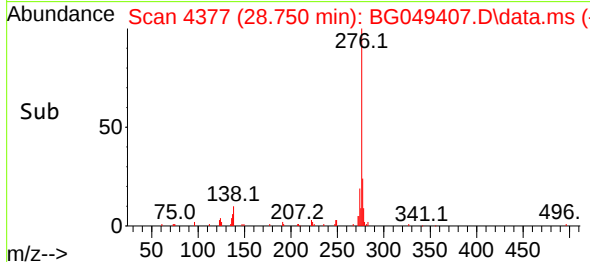
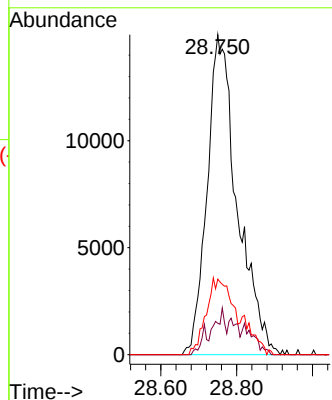
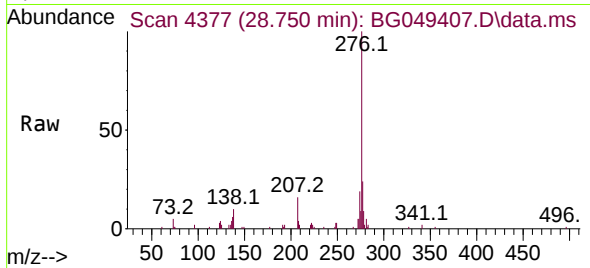
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.65 ng
RT: 28.750 min Scan# 4377
Delta R.T. -0.025 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

Tgt Ion: 276 Resp: 82422
Ion Ratio Lower Upper
276 100
138 3.4 5.1 7.7#
277 0.0 19.8 29.6#

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

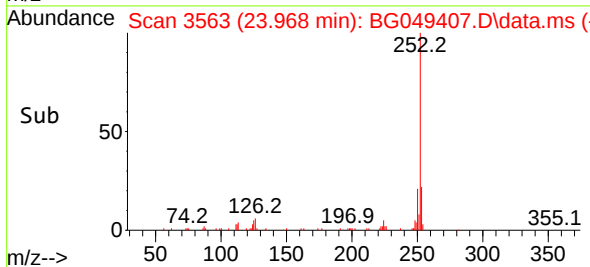
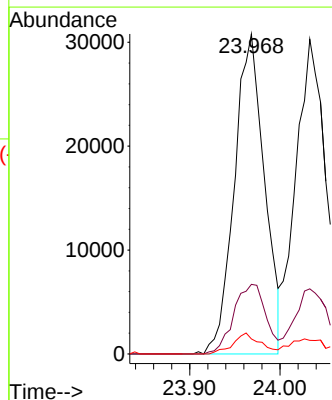
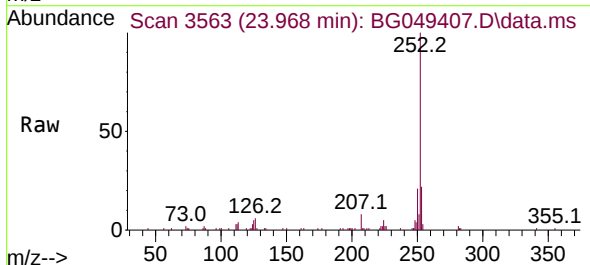
Manual Integrations
APPROVED

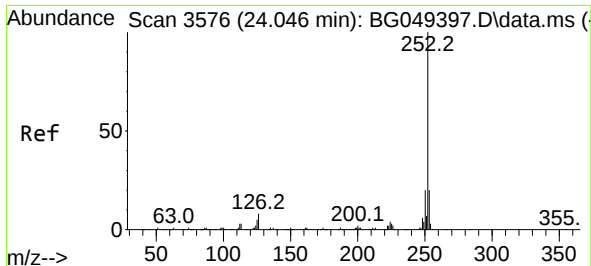
mohammad
7/23/2021 11:50:29 AM



#88
Benzo(b)fluoranthene
Concen: 7.24 ng m
RT: 23.968 min Scan# 3563
Delta R.T. -0.007 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

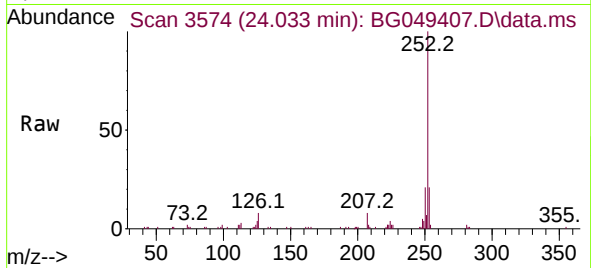
Tgt Ion: 252 Resp: 70989
Ion Ratio Lower Upper
252 100
253 21.7 16.2 24.4
125 4.7 3.0 4.4#





#89
Benzo(k)fluoranthene
Concen: 7.91 ng
RT: 24.033 min Scan# 3574
Delta R.T. -0.013 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

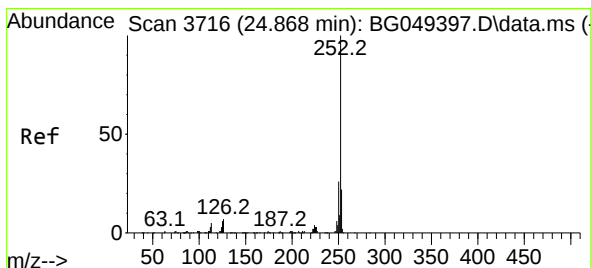
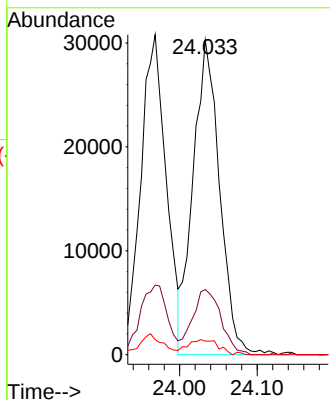
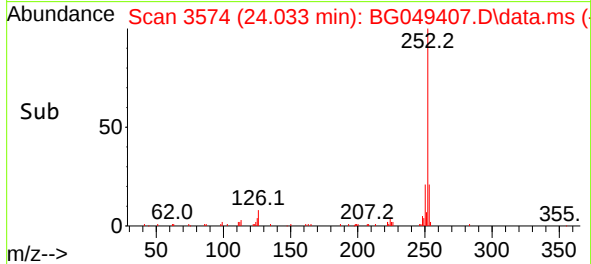
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



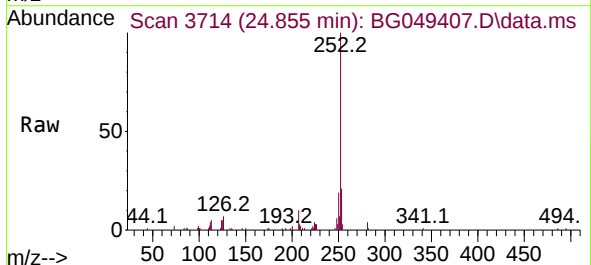
Tgt Ion:252 Resp: 72178
Ion Ratio Lower Upper
252 100
253 20.7 18.0 27.0
125 4.3 3.1 4.7

Manual Integrations
APPROVED

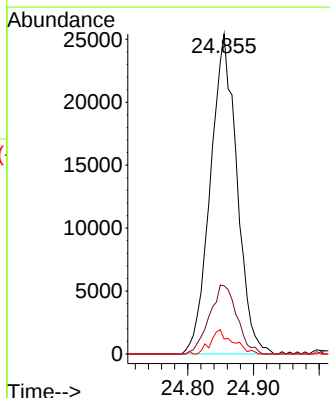
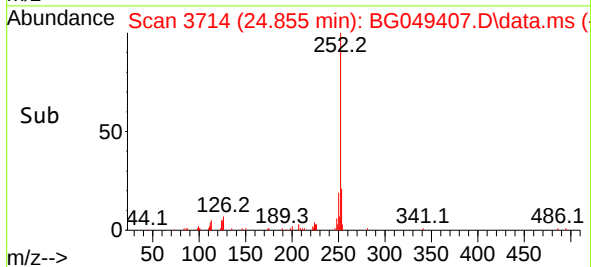
mohammad
7/23/2021 11:50:29 AM

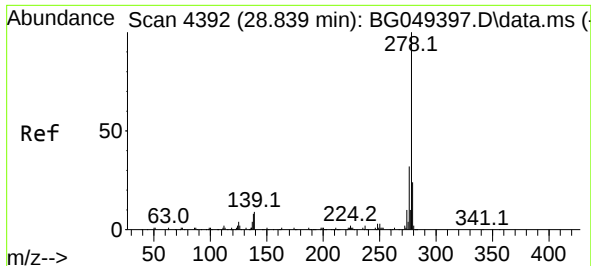


#90
Benzo(a)pyrene
Concen: 8.01 ng
RT: 24.855 min Scan# 3714
Delta R.T. -0.013 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



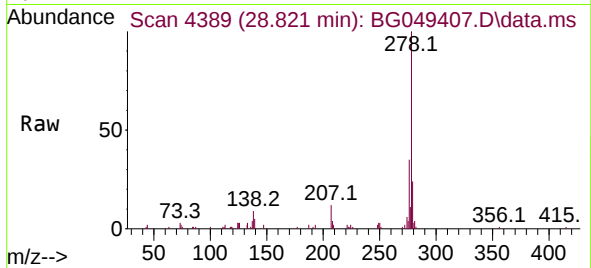
Tgt Ion:252 Resp: 71211
Ion Ratio Lower Upper
252 100
253 21.3 16.6 25.0
125 4.6 3.5 5.3





#91
Dibenzo(a,h)anthracene
Concen: 7.75 ng
RT: 28.821 min Scan# 4389
Delta R.T. -0.019 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45

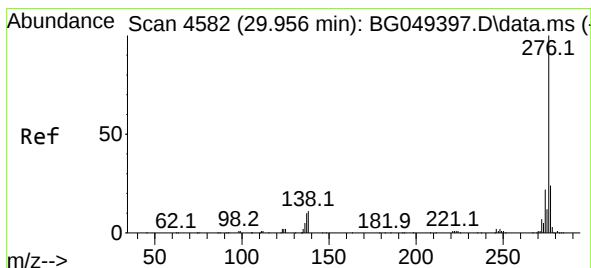
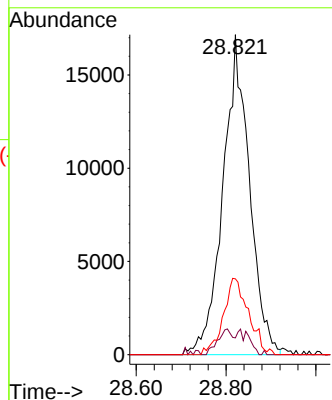
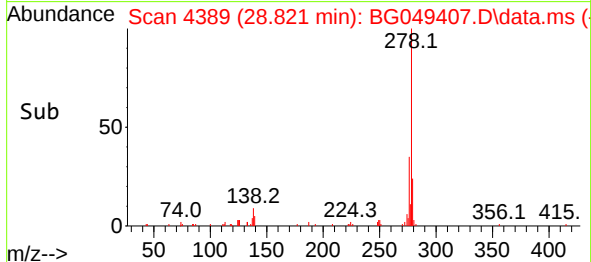
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021



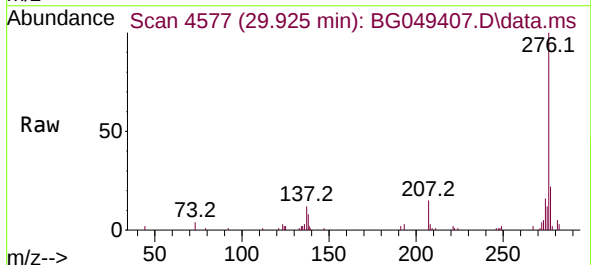
Tgt Ion:278 Resp: 70072
Ion Ratio Lower Upper
278 100
139 5.3 4.6 6.8
279 23.7 17.9 26.9

Manual Integrations
APPROVED

mohammad
7/23/2021 11:50:29 AM



#92
Benzo(g,h,i)perylene
Concen: 7.75 ng
RT: 29.925 min Scan# 4577
Delta R.T. -0.031 min
Lab File: BG049407.D
Acq: 22 Jul 2021 11:45



Tgt Ion:276 Resp: 69346
Ion Ratio Lower Upper
276 100
277 22.3 18.4 27.6
138 10.0 7.0 10.6

