

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051723\
 Data File : BG057450.D
 Acq On : 17 May 2023 18:48
 Operator : CG/JU
 Sample : 02213-01
 Misc : LOD-MDL-SOIL-4ppm
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/18/2023
 Supervised By : Jagrut Upadhyay 05/18/2023

Quant Time: May 18 01:59:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 22:04:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.360	152	16233	20.000	ng	0.00
21) Naphthalene-d8	11.198	136	64777	20.000	ng	0.00
39) Acenaphthene-d10	14.975	164	52896	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	134056	20.000	ng	0.00
76) Chrysene-d12	22.024	240	130644	20.000	ng	0.00
86) Perylene-d12	25.531	264	138734	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.875	112	93770	98.813	ng	0.00
7) Phenol-d6	7.497	99	138989	96.451	ng	0.00
23) Nitrobenzene-d5	9.541	82	105642	68.448	ng	0.00
42) 2,4,6-Tribromophenol	16.461	330	83048	110.651	ng	0.00
45) 2-Fluorobiphenyl	13.600	172	286369	72.913	ng	0.00
79) Terphenyl-d14	20.285	244	552425	69.005	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.678	88	1489	3.795	ng	# 83
3) Pyridine	4.119	79	3069	2.434	ng	# 89
4) n-Nitrosodimethylamine	4.013	42	1319	2.226	ng	# 94
6) Aniline	7.673	93	6155	3.367	ng	# 96
8) 2-Chlorophenol	7.920	128	3597	3.587	ng	90
10) Phenol	7.526	94	4802	3.418	ng	88
11) bis(2-Chloroethyl)ether	7.761	93	3354	3.166	ng	96
12) 1,3-Dichlorobenzene	8.249	146	4372	3.950	ng	91
13) 1,4-Dichlorobenzene	8.395	146	4247m	3.820	ng	
14) 1,2-Dichlorobenzene	8.719	146	4123	3.842	ng	95
15) Benzyl Alcohol	8.595	79	3488	2.905	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.871	45	4216	3.158	ng	95
17) 2-Methylphenol	8.801	107	3169	3.130	ng	95
18) Hexachloroethane	9.453	117	1492	3.719	ng	# 89
19) n-Nitroso-di-n-propyla...	9.159	70	3573	3.252	ng	# 94
20) 3+4-Methylphenols	9.130	107	4170	3.007	ng	96
22) Acetophenone	9.189	105	6460	3.484	ng	# 93
24) Nitrobenzene	9.582	77	5487	3.522	ng	# 88
25) Isophorone	10.099	82	9399	3.141	ng	99
26) 2-Nitrophenol	10.305	139	2147	3.601	ng	93
27) 2,4-Dimethylphenol	10.346	122	3616	3.463	ng	93
28) bis(2-Chloroethoxy)met...	10.575	93	5036	3.359	ng	98
29) 2,4-Dichlorophenol	10.851	162	4041	3.649	ng	92
30) 1,2,4-Trichlorobenzene	11.057	180	4806	3.763	ng	98
31) Naphthalene	11.250	128	12335	3.562	ng	96
33) 4-Chloroaniline	11.356	127	5134	3.301	ng	97
34) Hexachlorobutadiene	11.521	225	3507	3.700	ng	97
35) Caprolactam	12.102	113	1042	2.755	ng	# 82
36) 4-Chloro-3-methylphenol	12.455	107	4279	3.400	ng	96
37) 2-Methylnaphthalene	12.825	142	9907	3.639	ng	94
38) 1-Methylnaphthalene	13.048	142	8760	3.413	ng	97
40) 1,2,4,5-Tetrachloroben...	13.189	216	7143	3.804	ng	# 98
41) Hexachlorocyclopentadiene	13.160	237	272	6.572	ng	# 27
43) 2,4,6-Trichlorophenol	13.430	196	3749	3.277	ng	94
44) 2,4,5-Trichlorophenol	13.512	196	4398	3.268	ng	96
46) 1,1'-Biphenyl	13.812	154	15054	3.835	ng	95

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 22:04:03 2023
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Manual Integrations
 APPROVED

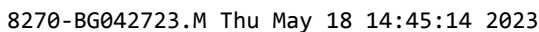
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023

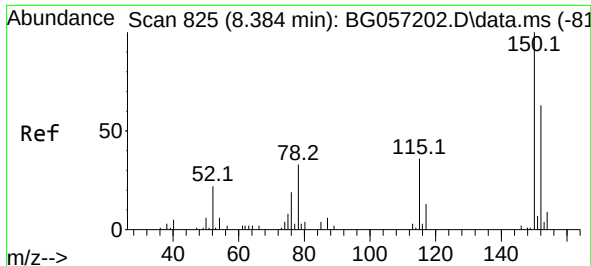
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	13.865	162	11283	3.866	ng	98
48) 2-Nitroaniline	14.064	65	2957	2.980	ng	95
49) Acenaphthylene	14.705	152	16869	3.557	ng	99
50) Dimethylphthalate	14.405	163	14945	3.438	ng	# 98
51) 2,6-Dinitrotoluene	14.540	165	2979	3.357	ng	86
52) Acenaphthene	15.039	154	10776	3.637	ng	95
53) 3-Nitroaniline	14.875	138	2776	3.122	ng	83
55) Dibenzofuran	15.368	168	18483	3.712	ng	98
57) 2,4-Dinitrotoluene	15.327	165	4255	3.355	ng	# 89
58) Fluorene	16.015	166	14909	3.636	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.598	232	4067	3.333	ng	# 93
60) Diethylphthalate	15.750	149	14893	3.374	ng	99
61) 4-Chlorophenyl-phenyle...	15.997	204	8931	3.615	ng	# 94
62) 4-Nitroaniline	16.038	138	2713	3.025	ng	# 73
63) Azobenzene	16.291	77	13288	3.120	ng	97
66) n-Nitrosodiphenylamine	16.208	169	12567	3.452	ng	95
67) 4-Bromophenyl-phenylether	16.890	248	5766	3.523	ng	97
68) Hexachlorobenzene	17.019	284	5720	3.597	ng	96
69) Atrazine	17.137	200	5275	3.798	ng	96
71) Phenanthrene	17.759	178	25444	3.704	ng	94
72) Anthracene	17.847	178	25730	3.650	ng	96
73) Carbazole	18.118	167	21570	3.635	ng	95
74) Di-n-butylphthalate	18.629	149	23296	3.412	ng	97
75) Fluoranthene	19.745	202	30672	3.590	ng	99
77) Benzidine	19.915	184	15354	5.257	ng	97
78) Pyrene	20.109	202	31789	3.349	ng	98
80) Butylbenzylphthalate	20.955	149	10068	3.342	ng	93
81) Benzo(a)anthracene	22.001	228	32464	3.488	ng	96
82) 3,3'-Dichlorobenzidine	21.901	252	12217	4.098	ng	96
83) Chrysene	22.077	228	30797	3.517	ng	96
84) Bis(2-ethylhexyl)phtha...	21.848	149	14957	3.356	ng	99
85) Di-n-octyl phthalate	23.140	149	25008	3.366	ng	# 99
87) Indeno(1,2,3-cd)pyrene	29.579	276	35063	3.468	ng	# 95
88) Benzo(b)fluoranthene	24.403	252	31903m	3.518	ng	
89) Benzo(k)fluoranthene	24.480	252	32620	3.540	ng	97
90) Benzo(a)pyrene	25.361	252	27641	3.120	ng	# 98
91) Dibenzo(a,h)anthracene	29.626	278	28662	3.404	ng	# 98
92) Benzo(g,h,i)perylene	30.836	276	28398	3.454	ng	97

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

Manual Integrations

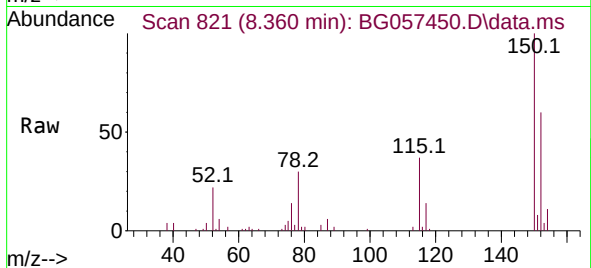
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QLast Update : Fri May 12 22:04:03 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.360 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

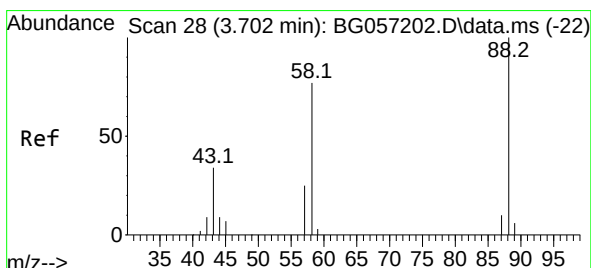
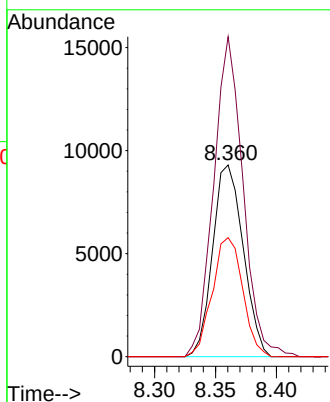
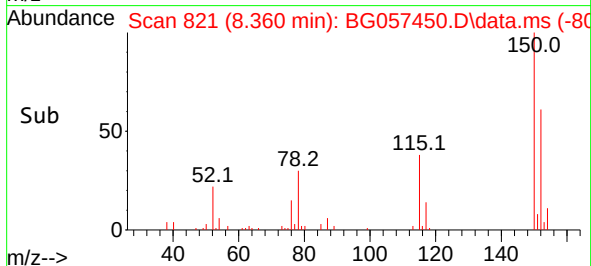
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:152 Resp: 1623
Ion Ratio Lower Upper
152 100
150 166.9 126.2 189.4
115 62.1 45.0 67.4

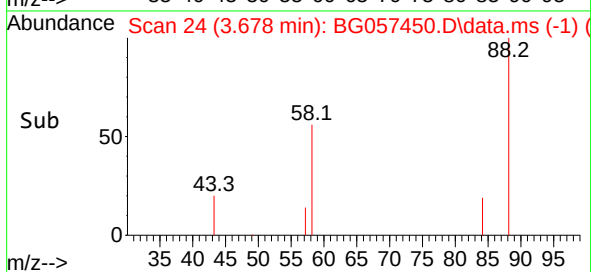
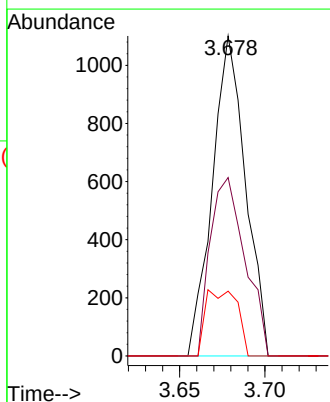
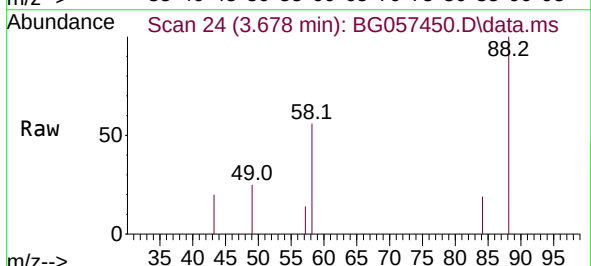
Manual Integrations
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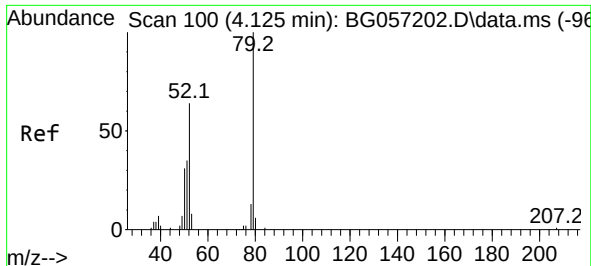
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#2
1,4-Dioxane
Concen: 3.795 ng
RT: 3.678 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Tgt Ion: 88 Resp: 1489
Ion Ratio Lower Upper
88 100
58 58.7 57.1 85.7
43 19.7 24.4 36.6





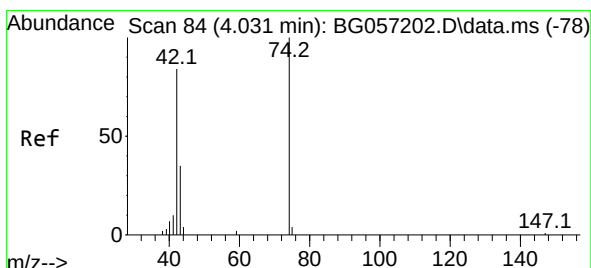
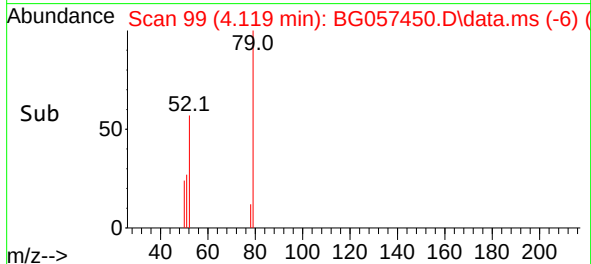
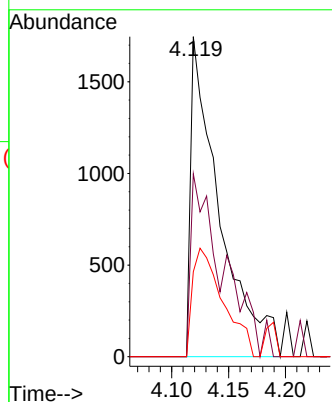
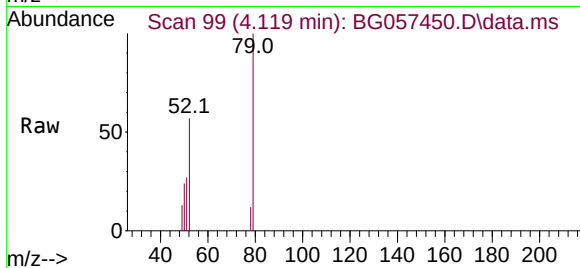
#3
Pyridine
Concen: 2.434 ng
RT: 4.119 min Scan# 90
Delta R.T. 0.014 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 79 Resp: 3069
Ion Ratio Lower Upper
79 100
52 57.2 51.4 77.0
51 26.6 28.0 42.0

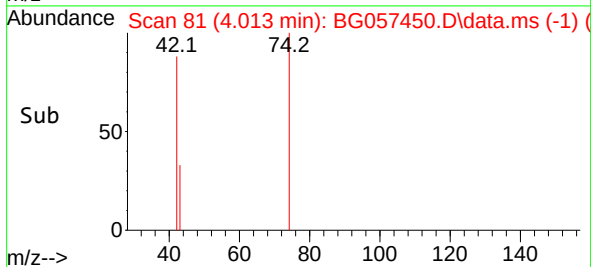
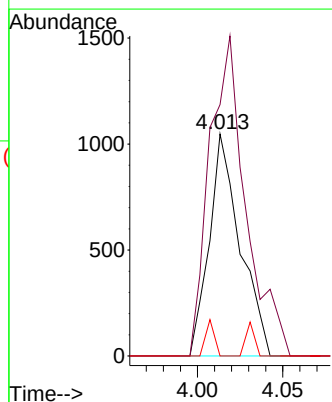
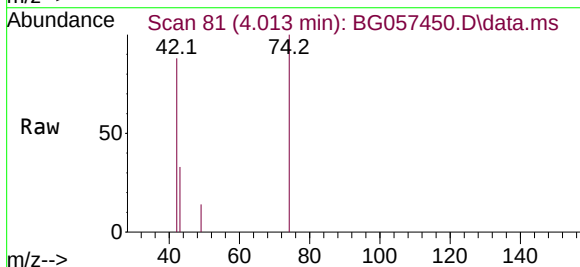
Manual Integrations
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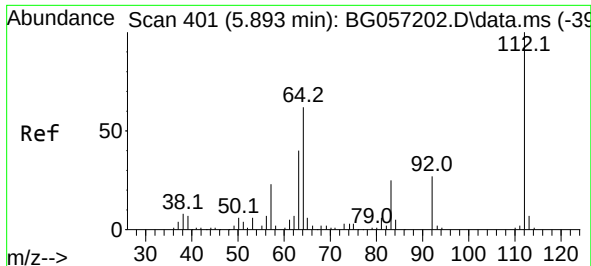
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#4
n-Nitrosodimethylamine
Concen: 2.226 ng
RT: 4.013 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Tgt Ion: 42 Resp: 1319
Ion Ratio Lower Upper
42 100
74 113.3 95.1 142.7
44 0.0 5.8 8.8





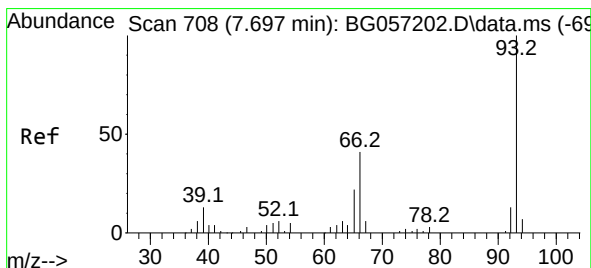
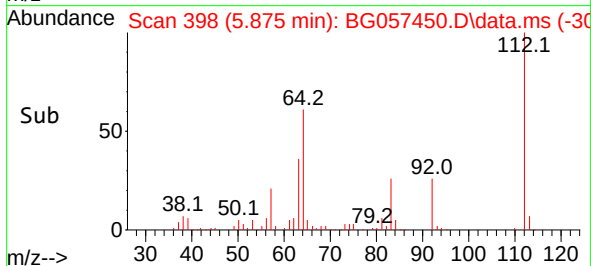
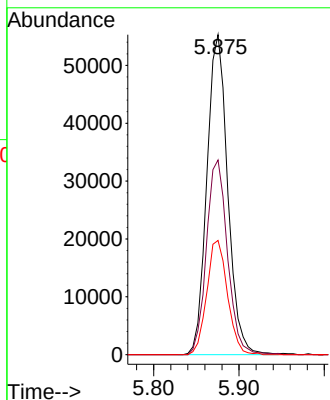
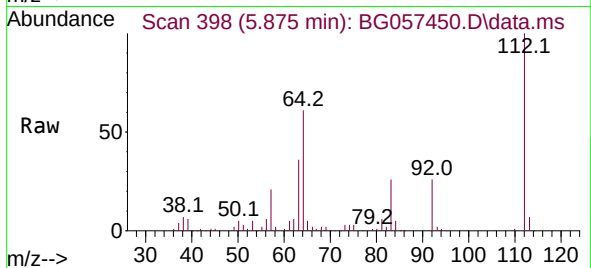
#5
2-Fluorophenol
Concen: 98.813 ng
RT: 5.875 min Scan# 398
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:112 Resp: 93770
Ion Ratio Lower Upper
112 100
64 60.8 49.4 74.2
63 35.7 31.6 47.4

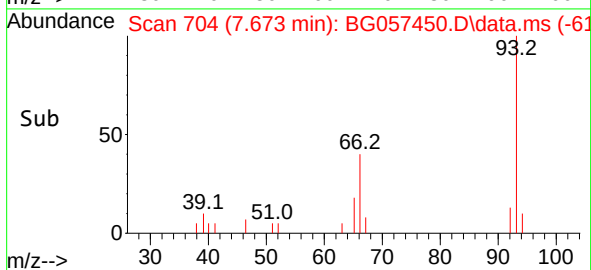
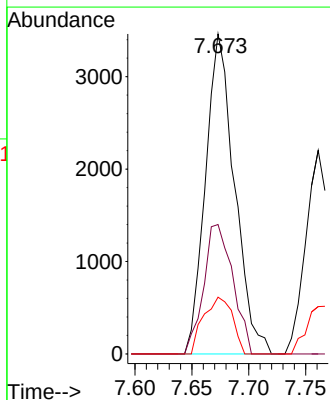
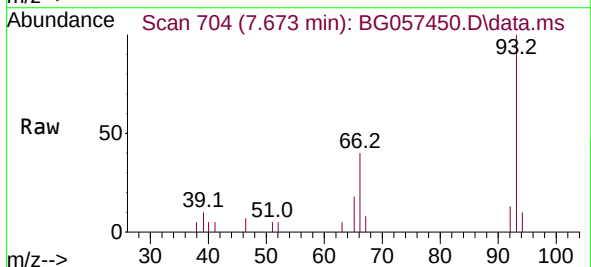
Manual Integrations
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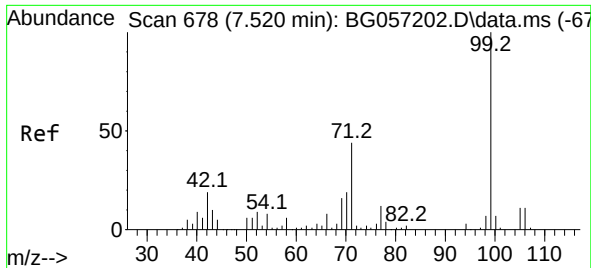
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#6
Aniline
Concen: 3.367 ng
RT: 7.673 min Scan# 704
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Tgt Ion: 93 Resp: 6155
Ion Ratio Lower Upper
93 100
66 40.5 33.0 49.6
65 17.7 18.0 27.0





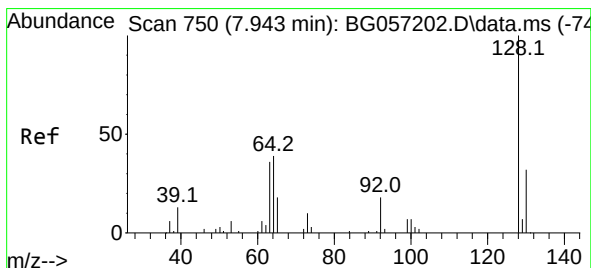
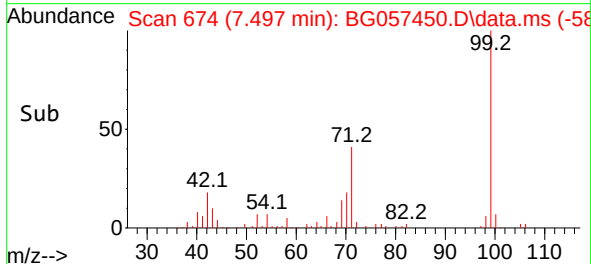
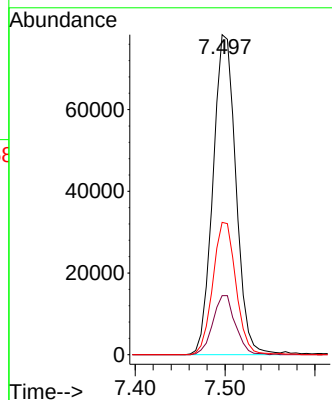
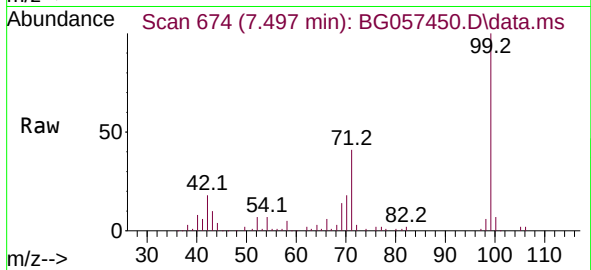
#7
Phenol-d6
Concen: 96.451 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 99 Resp: 138989
Ion Ratio Lower Upper
99 100
42 18.5 15.1 22.7
71 41.4 35.2 52.8

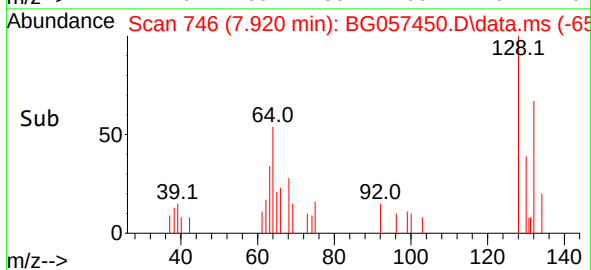
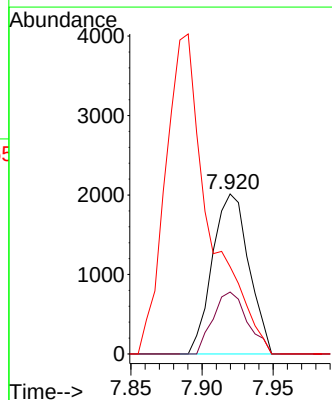
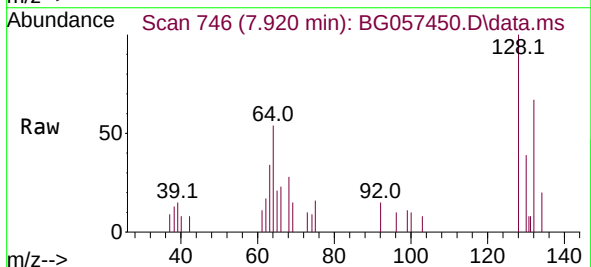
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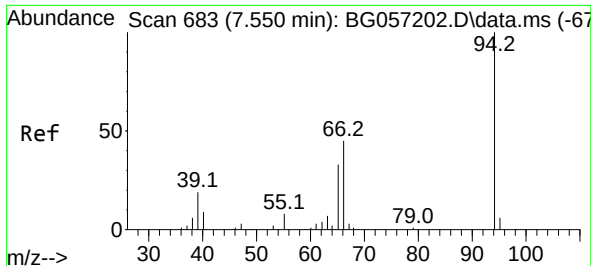
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#8
2-Chlorophenol
Concen: 3.587 ng
RT: 7.920 min Scan# 746
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

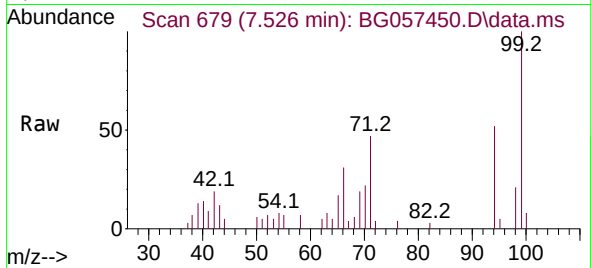
Tgt Ion:128 Resp: 3597
Ion Ratio Lower Upper
128 100
130 38.7 12.2 52.2
64 54.5 28.4 68.4





#10
Phenol
Concen: 3.418 ng
RT: 7.526 min Scan# 610
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

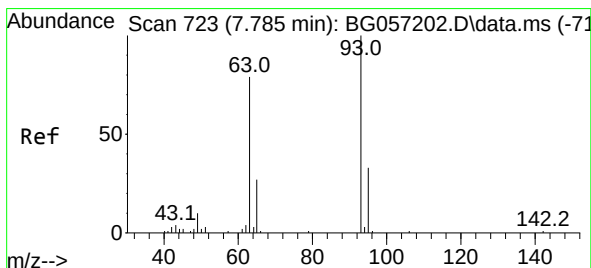
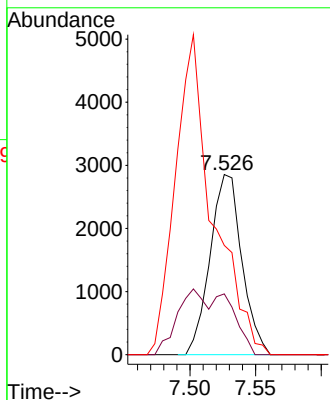
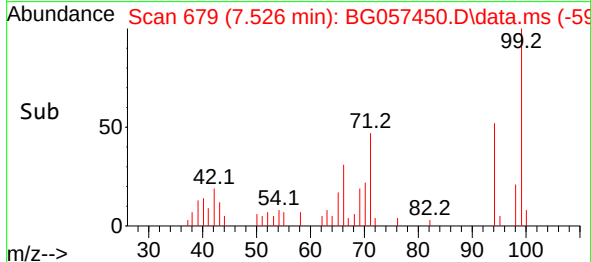
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



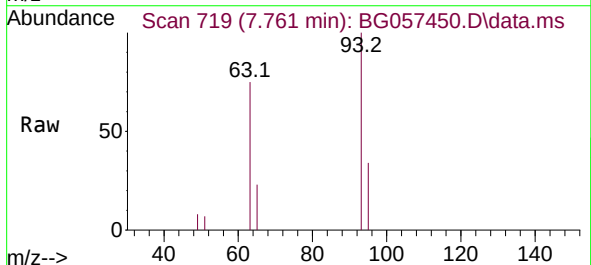
Tgt Ion: 94 Resp: 480
Ion Ratio Lower Upper
94 100
65 33.7 13.5 53.5
66 60.7 26.7 66.7

Manual Integrations
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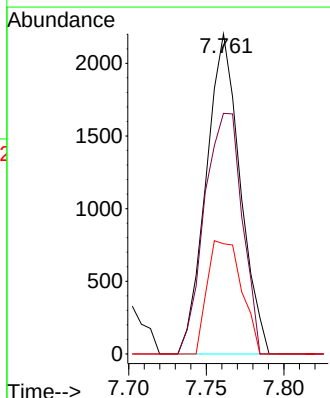
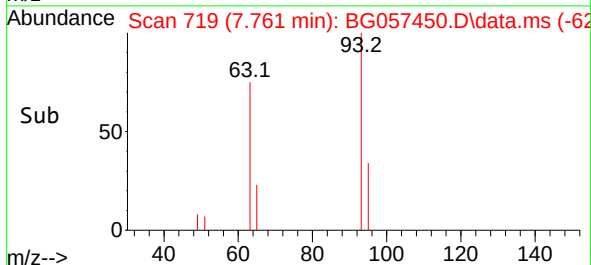
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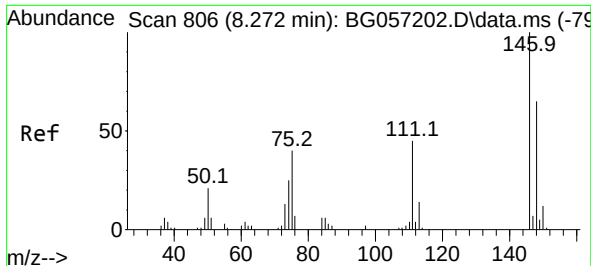


#11
bis(2-Chloroethyl)ether
Concen: 3.166 ng
RT: 7.761 min Scan# 719
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



Tgt Ion: 93 Resp: 3354
Ion Ratio Lower Upper
93 100
63 75.2 58.6 98.6
95 34.5 12.2 52.2





#12

1,3-Dichlorobenzene

Concen: 3.950 ng

RT: 8.249 min Scan# 80

Delta R.T. -0.003 min

Lab File: BG057450.D

Acq: 17 May 2023 18:48

Instrument :

BNA_G

ClientSampleId :

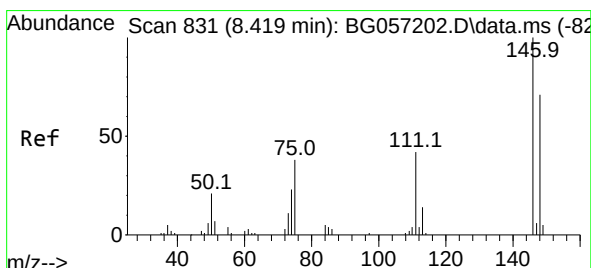
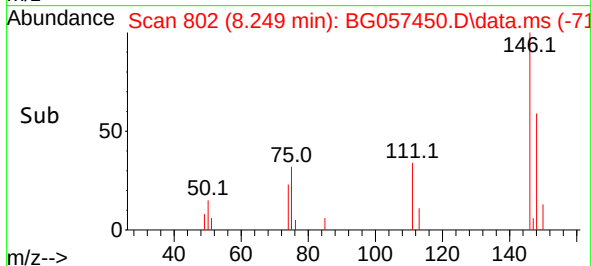
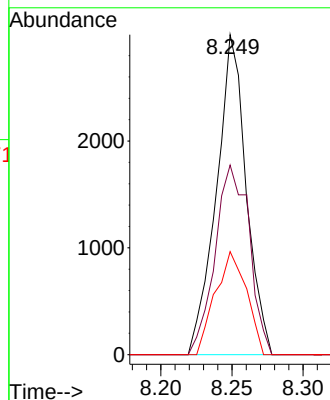
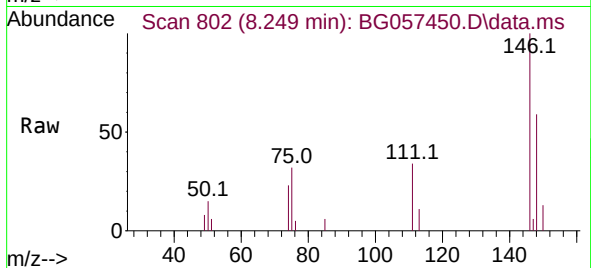
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:146	Resp:	4372
Ion Ratio	Lower	Upper
146	100	
148	59.2	52.2 78.2
75	32.3	31.7 47.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#13

1,4-Dichlorobenzene

Concen: 3.820 ng m

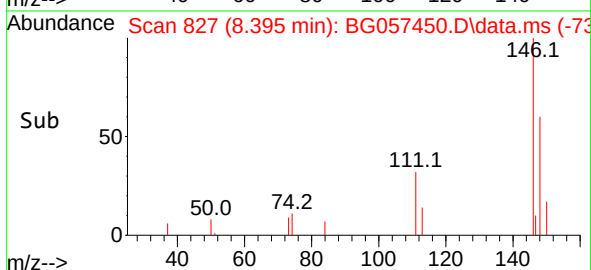
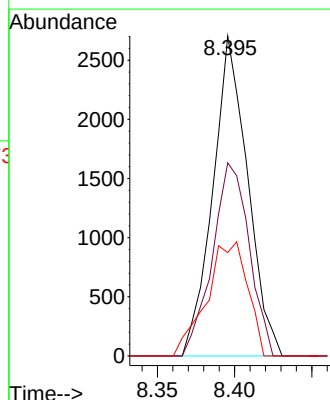
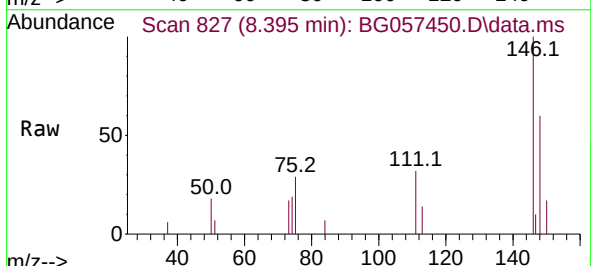
RT: 8.395 min Scan# 827

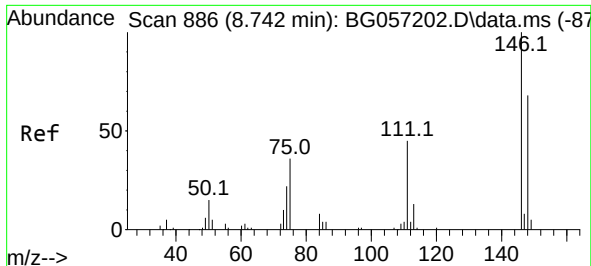
Delta R.T. -0.003 min

Lab File: BG057450.D

Acq: 17 May 2023 18:48

Tgt Ion:146	Resp:	4247
Ion Ratio	Lower	Upper
146	100	
148	60.3	56.4 84.6
111	32.3	33.8 50.6#





#14

1,2-Dichlorobenzene

Concen: 3.842 ng

RT: 8.719 min Scan# 886

Delta R.T. -0.009 min

Lab File: BG057450.D

Acq: 17 May 2023 18:48

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

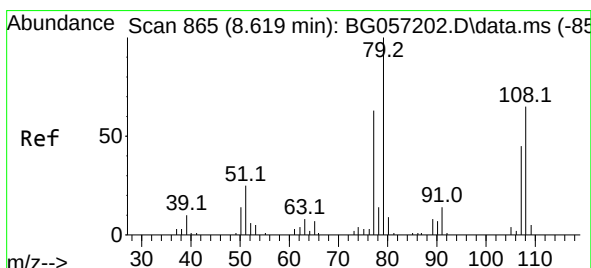
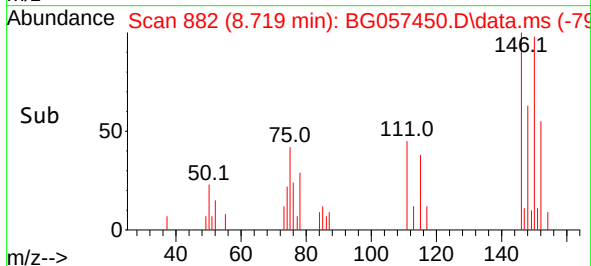
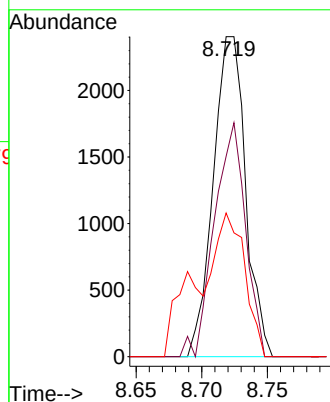
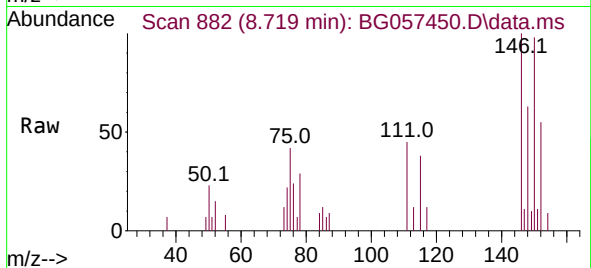
Tgt Ion:146 Resp: 412

Ion	Ratio	Lower	Upper
146	100		
148	62.6	54.6	82.0
111	44.9	37.2	55.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#15

Benzyl Alcohol

Concen: 2.905 ng

RT: 8.595 min Scan# 861

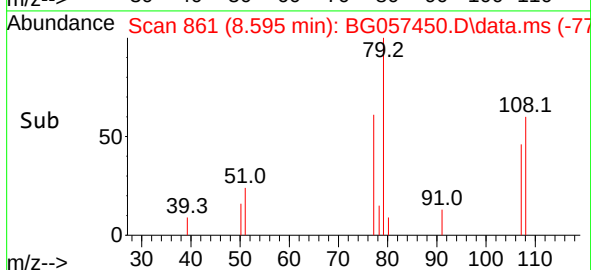
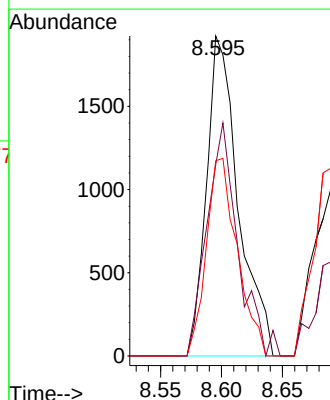
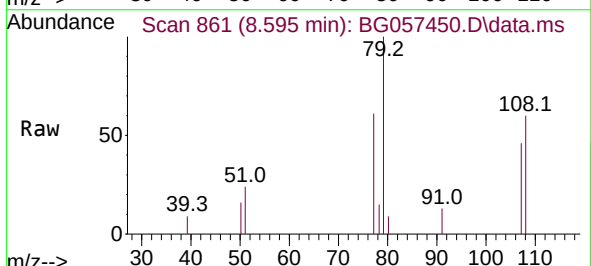
Delta R.T. -0.003 min

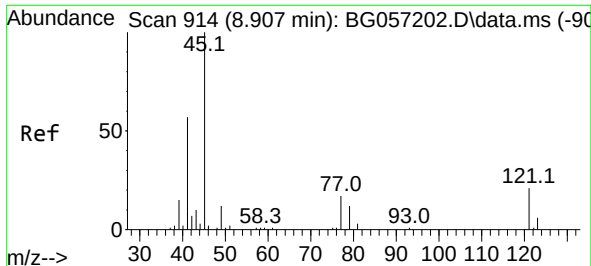
Lab File: BG057450.D

Acq: 17 May 2023 18:48

Tgt Ion: 79 Resp: 3488

Ion	Ratio	Lower	Upper
79	100		
108	59.8	52.2	78.2
77	61.0	50.1	75.1





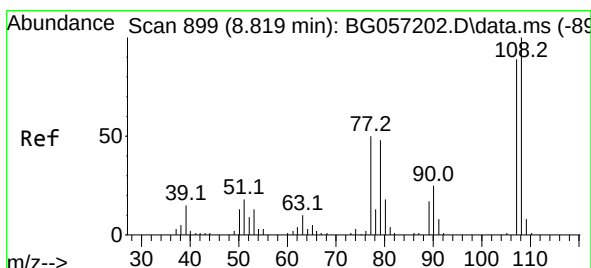
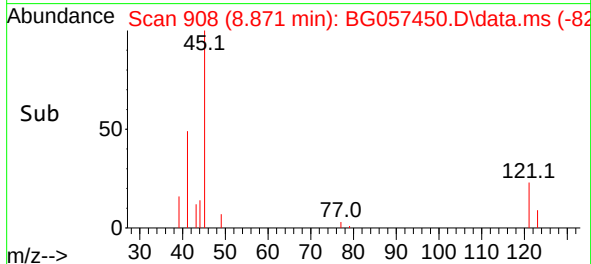
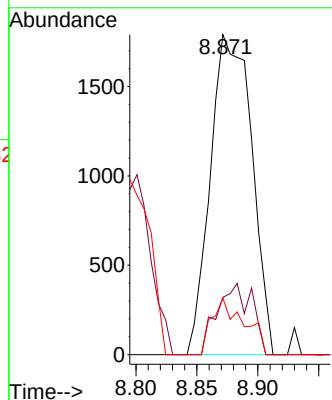
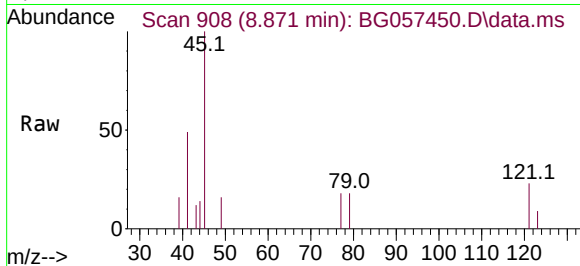
#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.158 ng
RT: 8.871 min Scan# 908
Delta R.T. -0.015 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 45 Resp: 4210
Ion Ratio Lower Upper
45 100
77 17.9 0.0 38.5
79 17.7 0.0 33.8

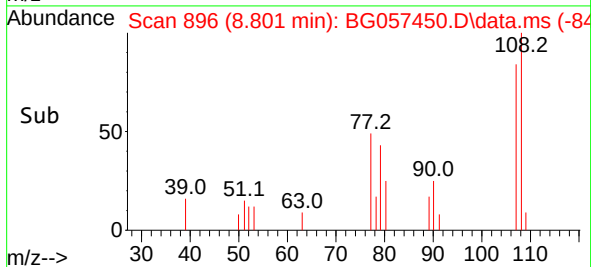
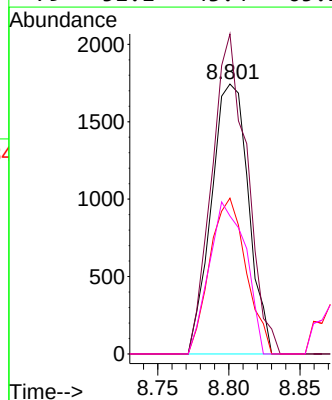
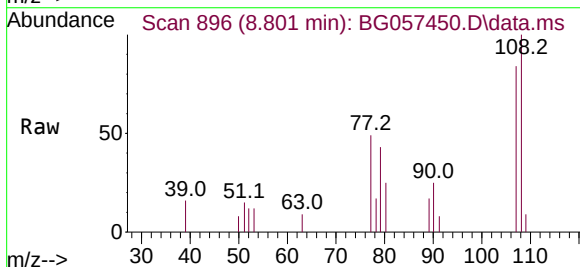
Manual Integrations
APPROVED

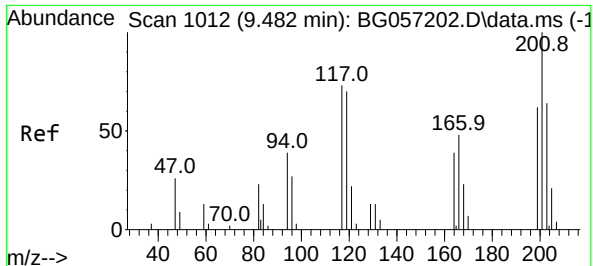
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#17
2-Methylphenol
Concen: 3.130 ng
RT: 8.801 min Scan# 896
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

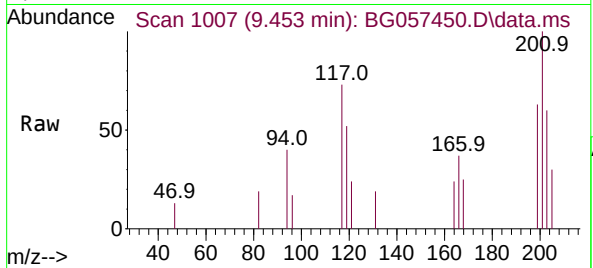
Tgt Ion:107 Resp: 3169
Ion Ratio Lower Upper
107 100
108 118.5 89.5 134.3
77 57.7 45.1 67.7
79 51.1 43.4 65.2





#18
Hexachloroethane
Concen: 3.719 ng
RT: 9.453 min Scan# 1012
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

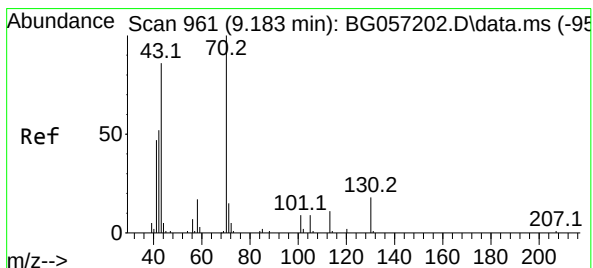
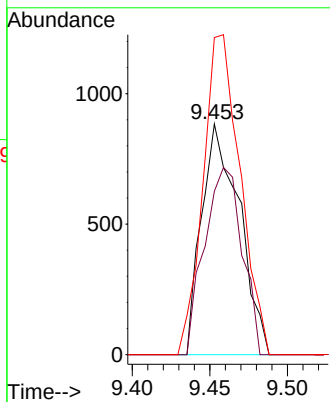
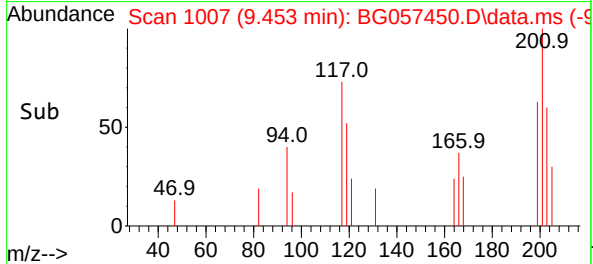
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion: 117 Resp: 1492
Ion Ratio Lower Upper
117 100
119 70.8 76.7 115.1
201 137.4 109.0 163.4

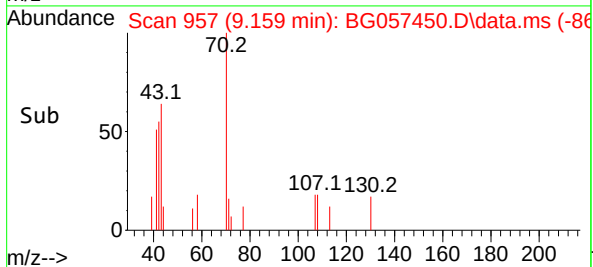
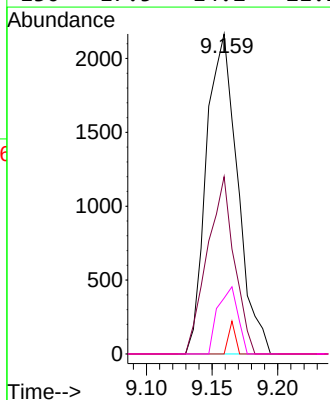
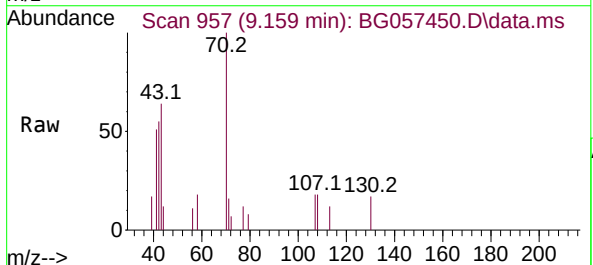
Manual Integrations
APPROVED

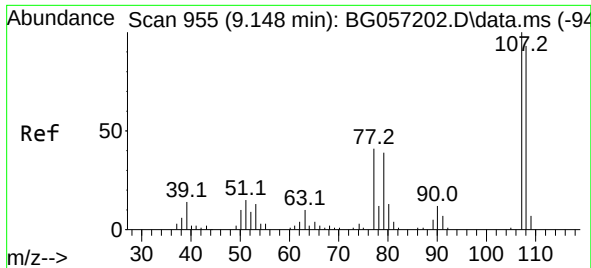
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#19
n-Nitroso-di-n-propylamine
Concen: 3.252 ng
RT: 9.159 min Scan# 957
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Tgt Ion: 70 Resp: 3573
Ion Ratio Lower Upper
70 100
42 55.4 41.8 62.8
101 0.0 6.8 10.2#
130 17.5 14.2 21.2





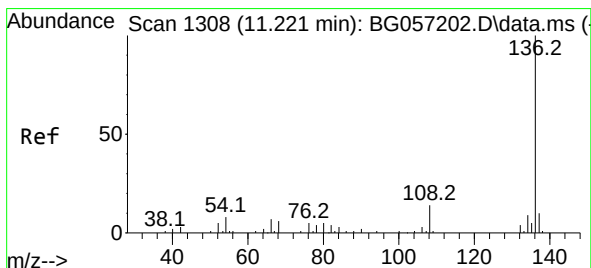
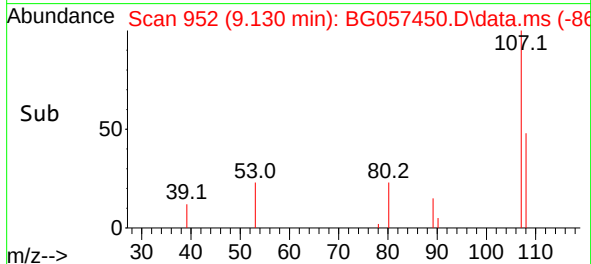
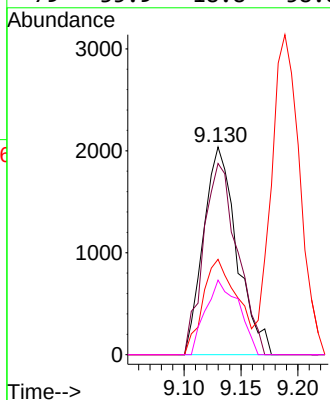
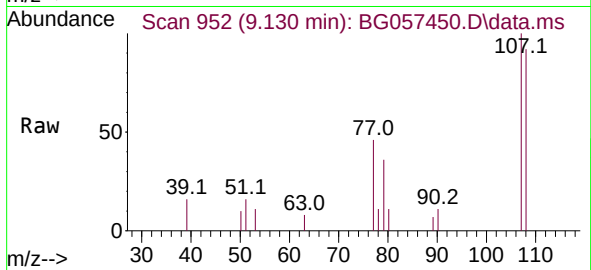
#20
3+4-Methylphenols
Concen: 3.007 ng
RT: 9.130 min Scan# 91
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:	107	Resp:	4170
Ion	Ratio	Lower	Upper
107	100		
108	92.1	73.5	113.5
77	45.9	21.1	61.1
79	35.9	18.8	58.8

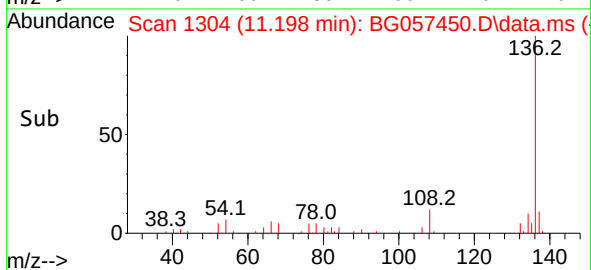
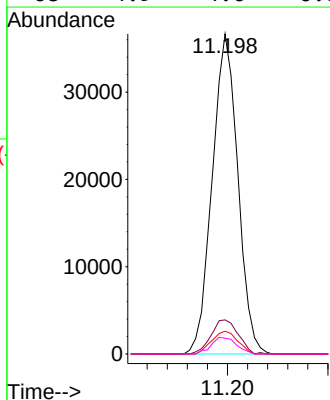
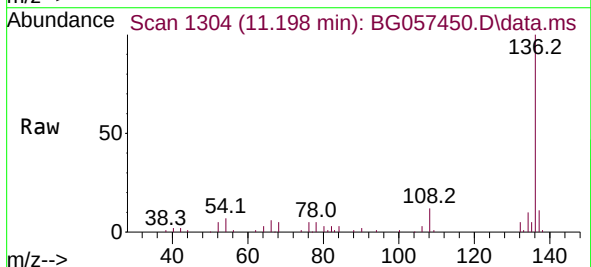
Manual Integrations
APPROVED

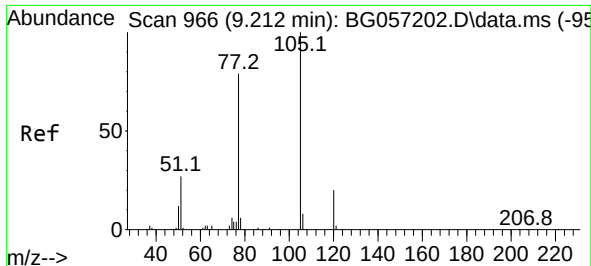
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.198 min Scan# 1304
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

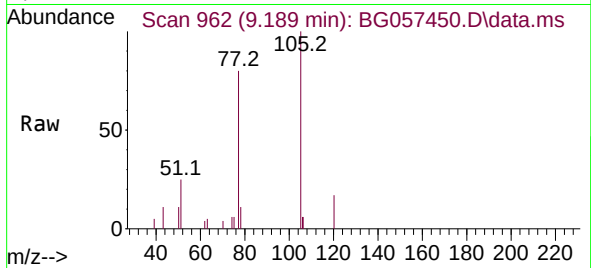
Tgt Ion:	136	Resp:	64777
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.3	12.5
54	7.1	6.7	10.1
68	4.9	4.6	6.8





#22
Acetophenone
Concen: 3.484 ng
RT: 9.189 min Scan# 90
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

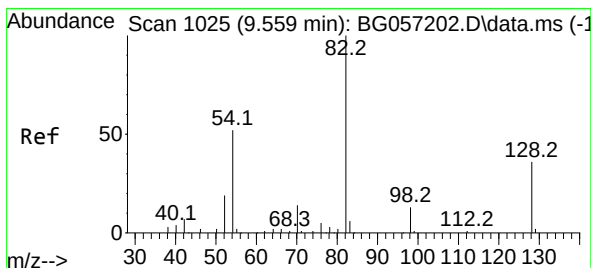
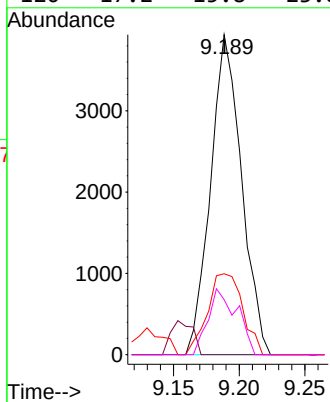
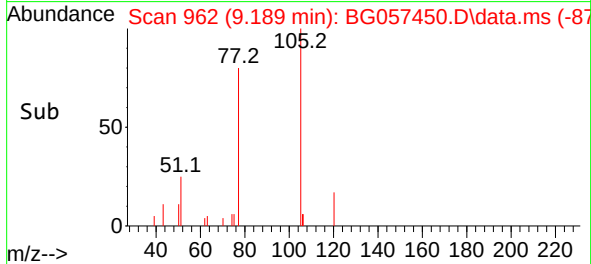
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



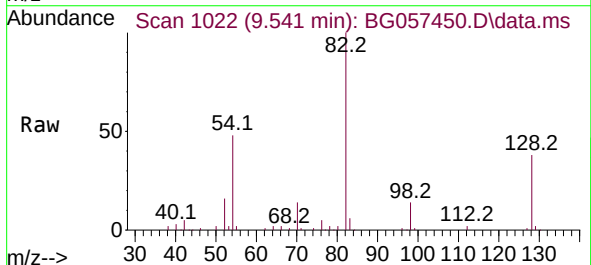
Tgt Ion: 105 Resp: 6460
Ion Ratio Lower Upper
105 100
71 0.0 0.4 0.6
51 25.3 24.0 36.0
120 17.2 15.8 23.8

Manual Integrations
APPROVED

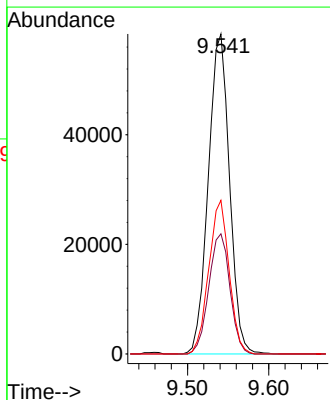
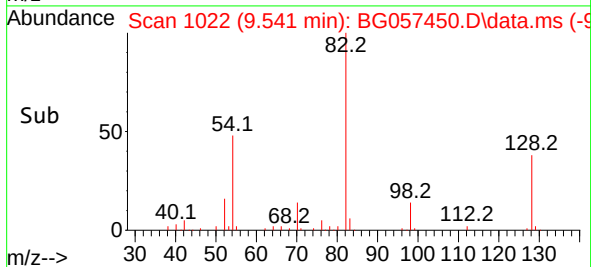
Reviewed By : Christian Giraldo 05/18/2023
Supervised By : Jagrut Upadhyay 05/18/2023

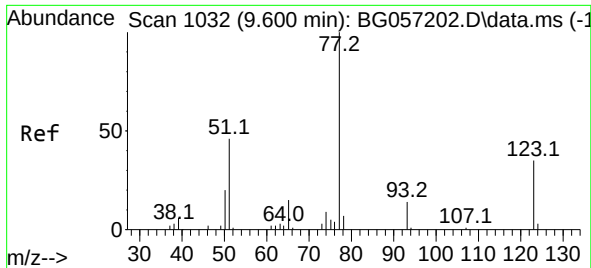


#23
Nitrobenzene-d5
Concen: 68.448 ng
RT: 9.541 min Scan# 1022
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



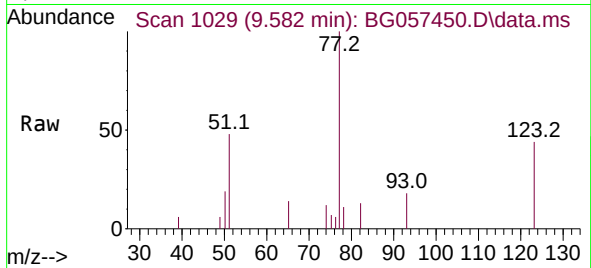
Tgt Ion: 82 Resp: 105642
Ion Ratio Lower Upper
82 100
128 37.5 29.0 43.4
54 48.0 41.4 62.0





#24
Nitrobenzene
Concen: 3.522 ng
RT: 9.582 min Scan# 1107
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

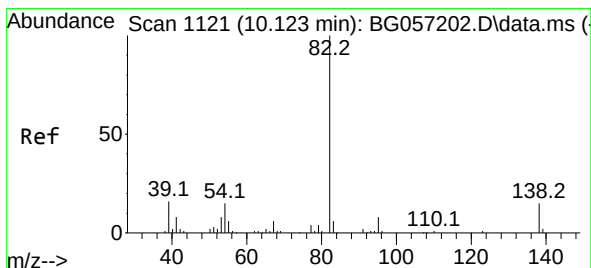
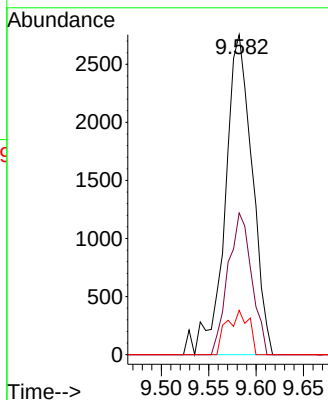
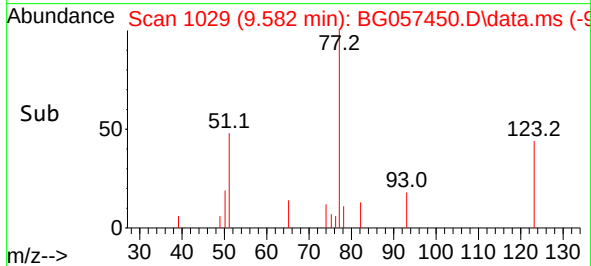
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2023



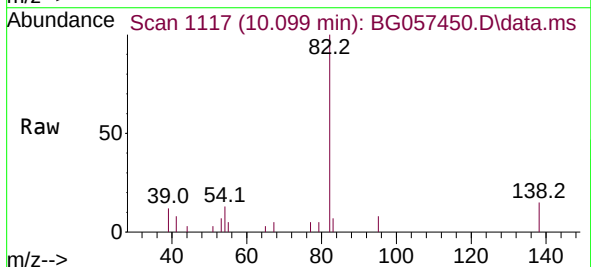
Tgt Ion: 77 Resp: 548
Ion Ratio Lower Upper
77 100
123 44.3 28.2 42.2
65 13.8 11.7 17.5

Manual Integrations
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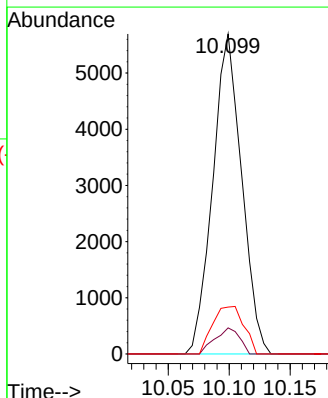
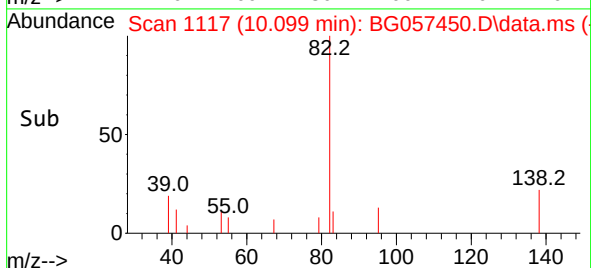
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

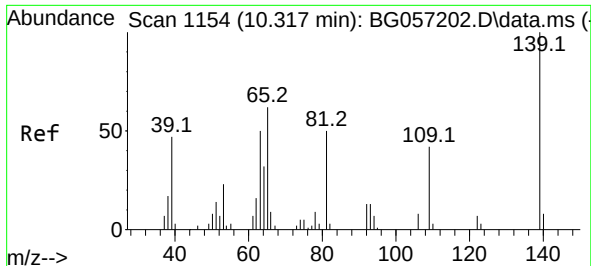


#25
Isophorone
Concen: 3.141 ng
RT: 10.099 min Scan# 1117
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



Tgt Ion: 82 Resp: 9399
Ion Ratio Lower Upper
82 100
95 8.2 6.4 9.6
138 14.6 12.3 18.5





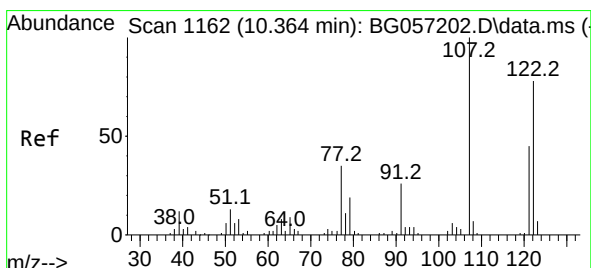
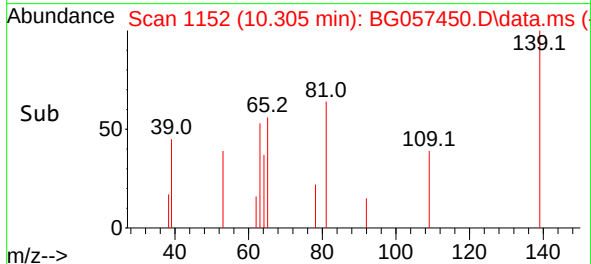
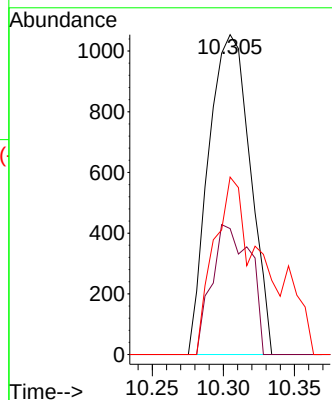
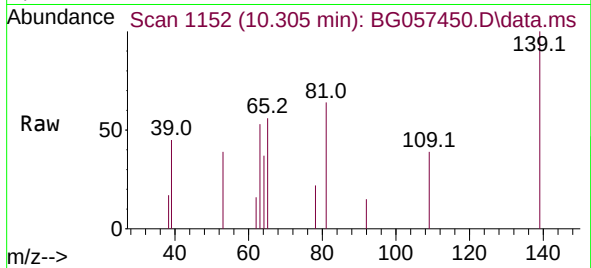
#26
2-Nitrophenol
Concen: 3.601 ng
RT: 10.305 min Scan# 1154
Delta R.T. 0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion	Ratio	Lower	Upper
139	100		
109	39.4	33.4	50.2
65	55.5	49.8	74.6

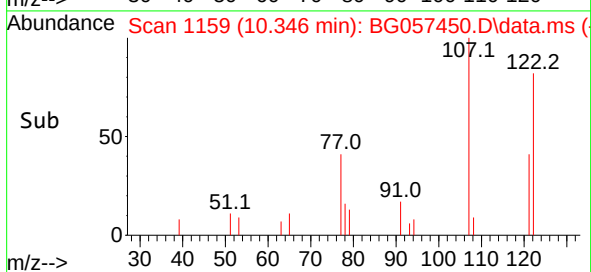
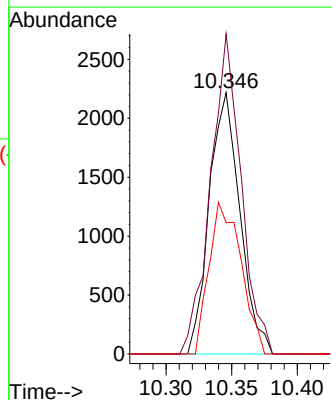
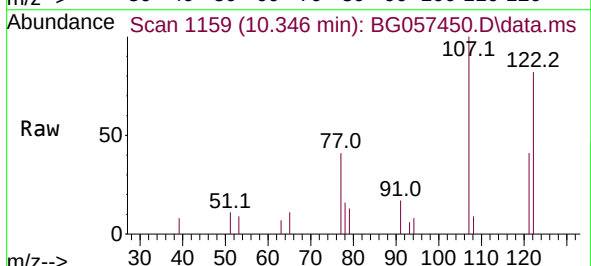
Manual Integrations
APPROVED

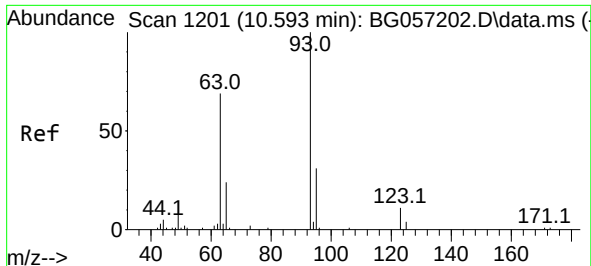
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#27
2,4-Dimethylphenol
Concen: 3.463 ng
RT: 10.346 min Scan# 1159
Delta R.T. 0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Tgt Ion	Ratio	Lower	Upper
122	100		
107	122.5	103.0	154.4
121	50.3	45.9	68.9





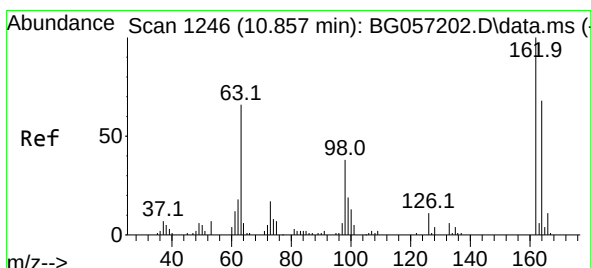
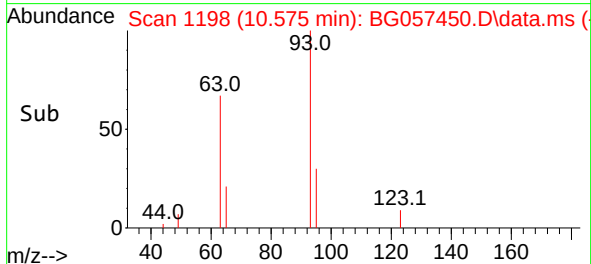
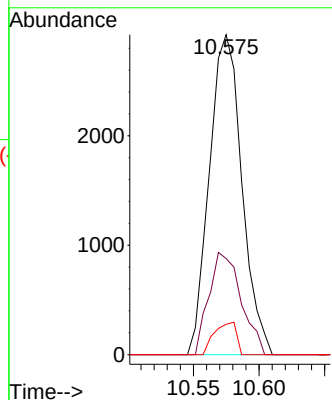
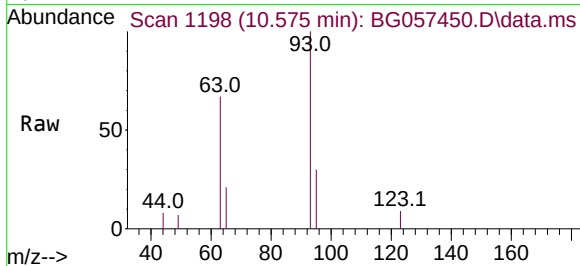
#28
bis(2-Chloroethoxy)methane
Concen: 3.359 ng
RT: 10.575 min Scan# 1198
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 93 Resp: 5030
Ion Ratio Lower Upper
93 100
95 30.1 25.0 37.6
123 9.5 8.5 12.7

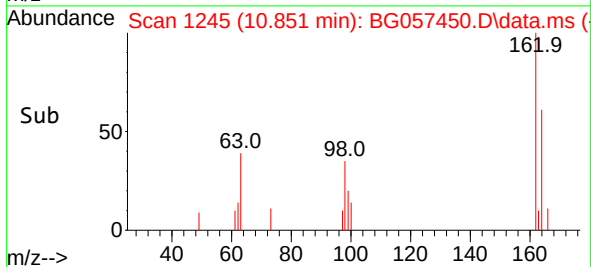
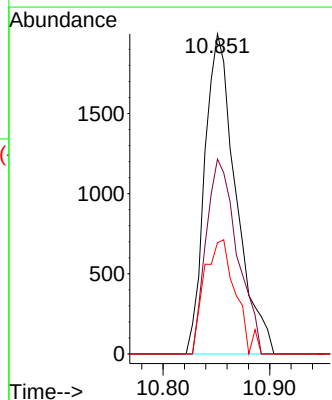
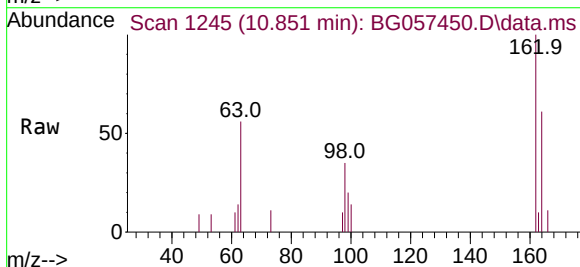
Manual Integrations
APPROVED

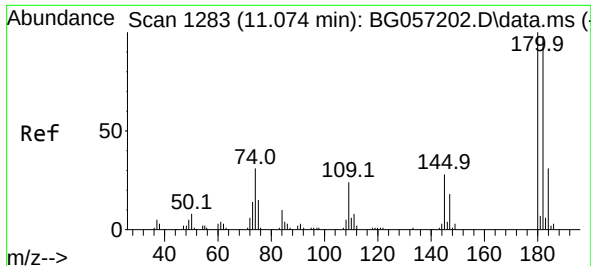
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#29
2,4-Dichlorophenol
Concen: 3.649 ng
RT: 10.851 min Scan# 1245
Delta R.T. 0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Tgt Ion:162 Resp: 4041
Ion Ratio Lower Upper
162 100
164 60.9 48.4 88.4
98 34.8 17.6 57.6





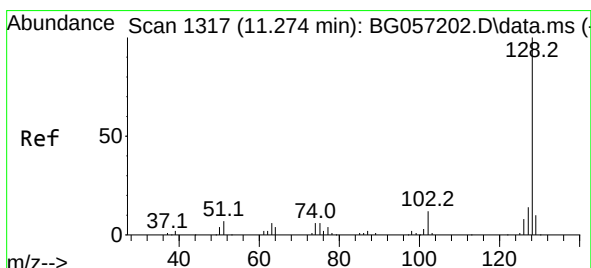
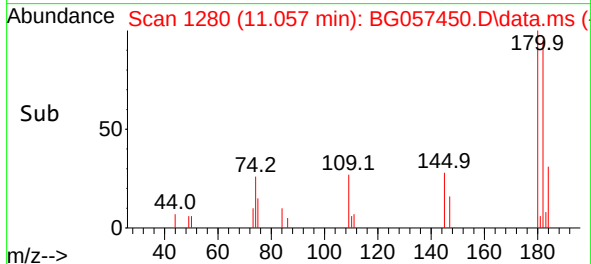
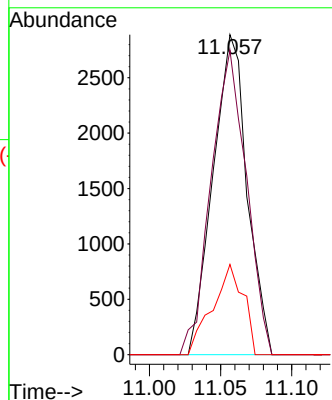
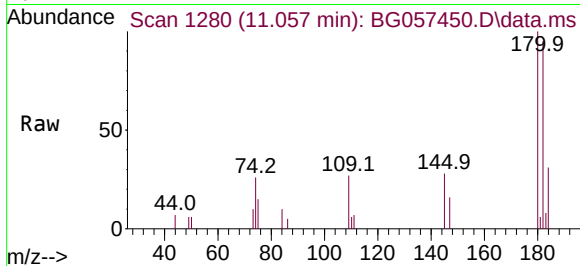
#30
1,2,4-Trichlorobenzene
Concen: 3.763 ng
RT: 11.057 min Scan# 1109
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:180 Resp: 4800
Ion Ratio Lower Upper
180 100
182 95.1 78.0 117.0
145 28.2 22.4 33.6

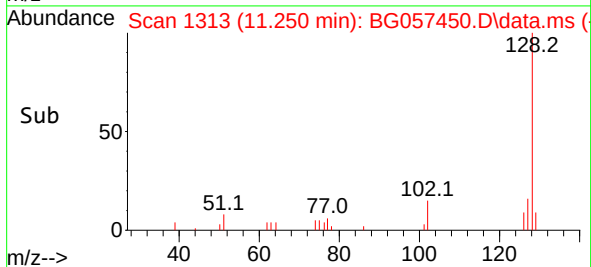
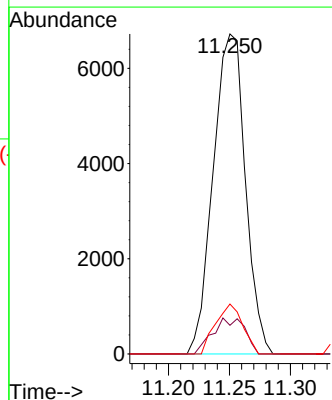
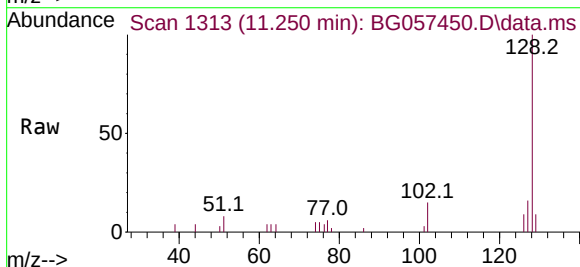
Manual Integrations
APPROVED

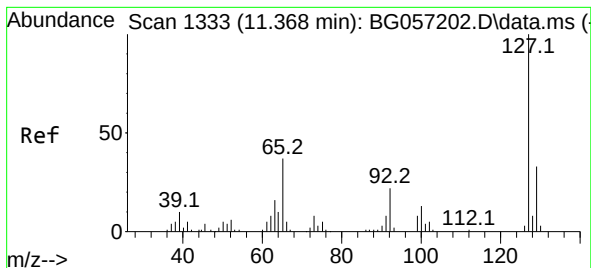
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#31
Naphthalene
Concen: 3.562 ng
RT: 11.250 min Scan# 1313
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

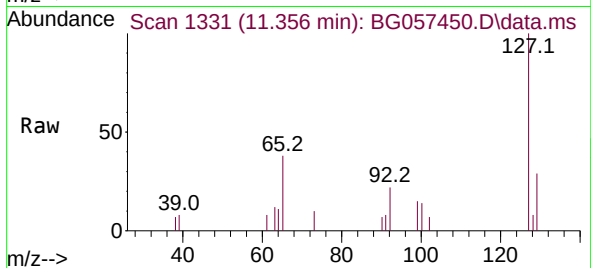
Tgt Ion:128 Resp: 12335
Ion Ratio Lower Upper
128 100
129 8.9 8.3 12.5
127 15.6 11.1 16.7





#33
4-Chloroaniline
Concen: 3.301 ng
RT: 11.356 min Scan# 1133
Delta R.T. 0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

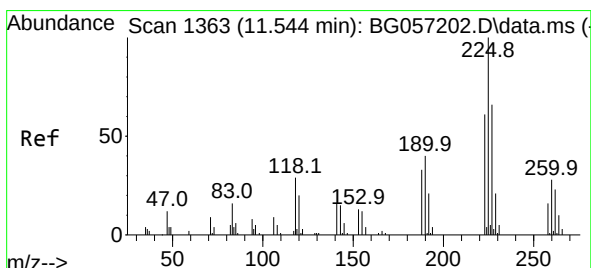
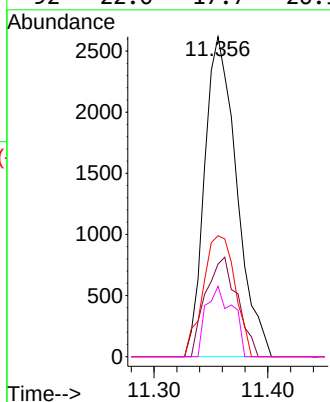
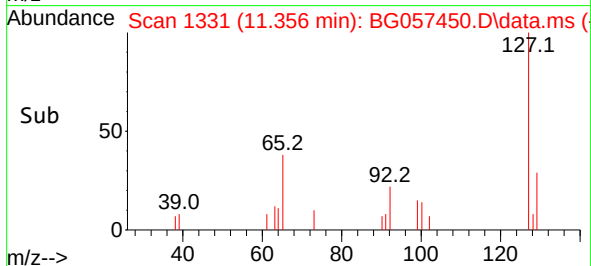
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



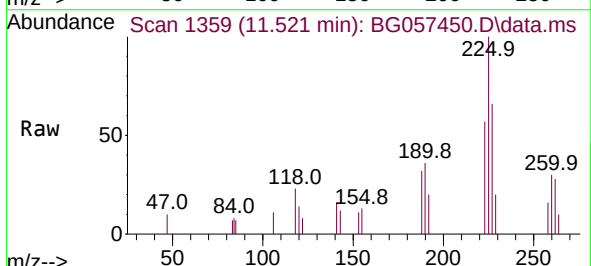
Tgt Ion	Ratio	Lower	Upper
127	100		
129	29.0	26.7	40.1
65	37.8	29.7	44.5
92	22.0	17.7	26.5

Manual Integrations
APPROVED

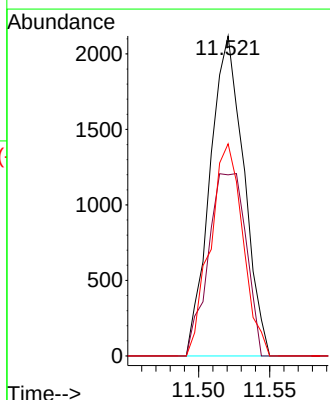
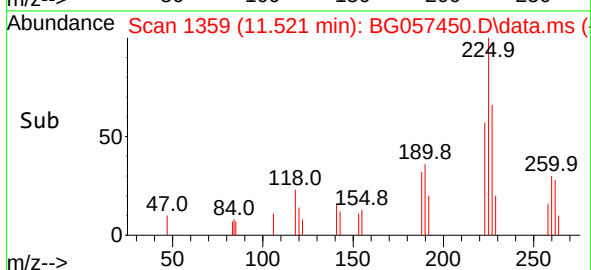
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

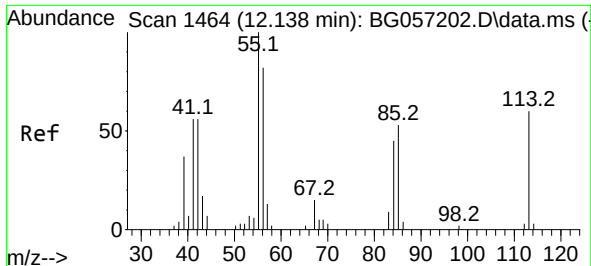


#34
Hexachlorobutadiene
Concen: 3.700 ng
RT: 11.521 min Scan# 1359
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



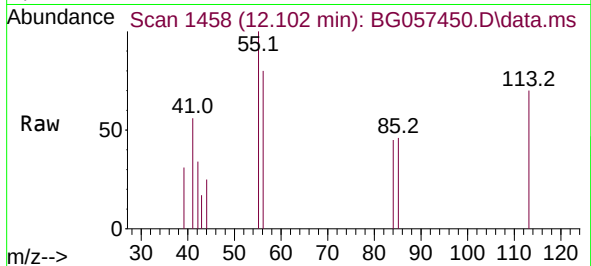
Tgt Ion	Ratio	Lower	Upper
225	100		
223	56.6	48.6	72.8
227	66.3	52.7	79.1





#35
Caprolactam
Concen: 2.755 ng
RT: 12.102 min Scan# 1464
Delta R.T. -0.027 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

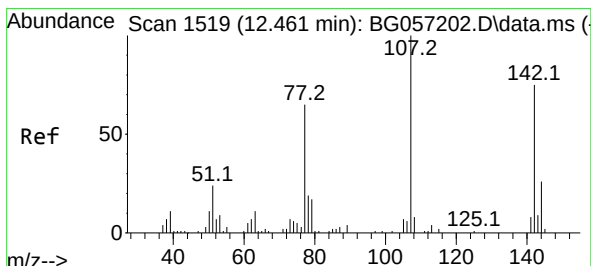
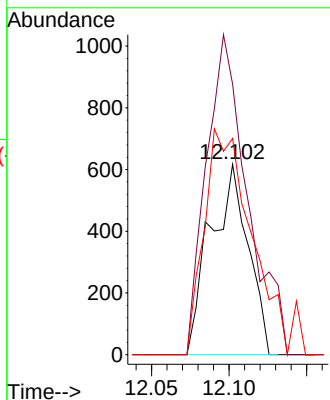
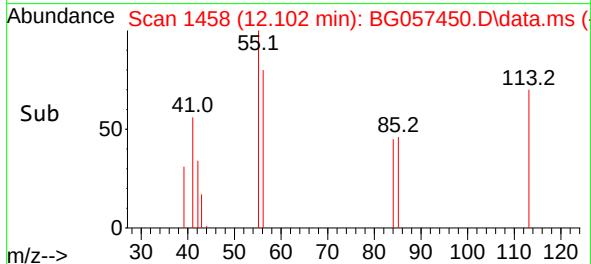
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



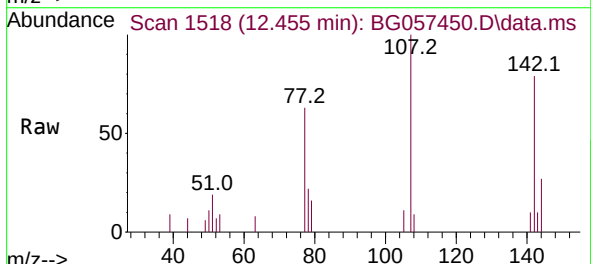
Tgt Ion:113 Resp: 1042
Ion Ratio Lower Upper
113 100
55 142.1 145.5 185.5
56 113.6 115.9 155.9

Manual Integrations
APPROVED

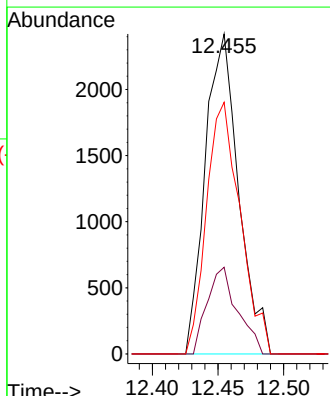
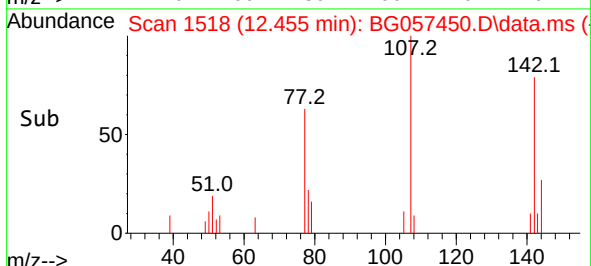
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

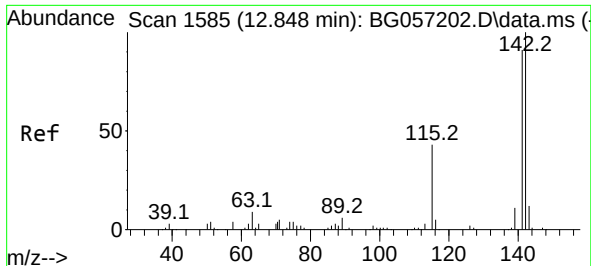


#36
4-Chloro-3-methylphenol
Concen: 3.400 ng
RT: 12.455 min Scan# 1518
Delta R.T. 0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



Tgt Ion:107 Resp: 4279
Ion Ratio Lower Upper
107 100
144 27.1 21.0 31.6
142 78.6 60.0 90.0





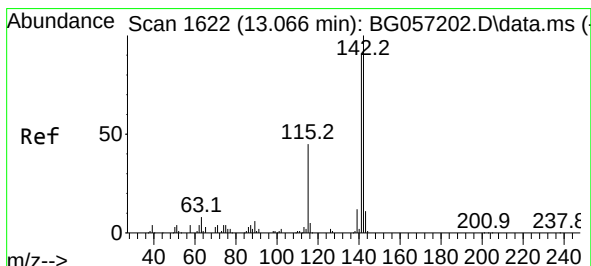
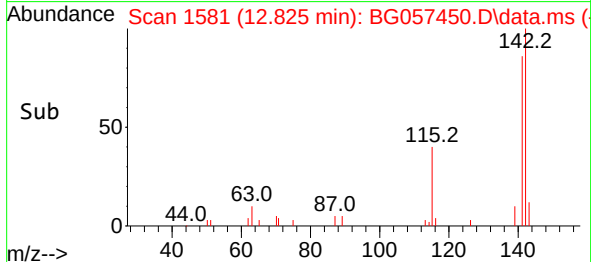
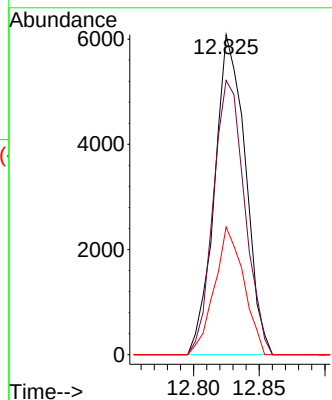
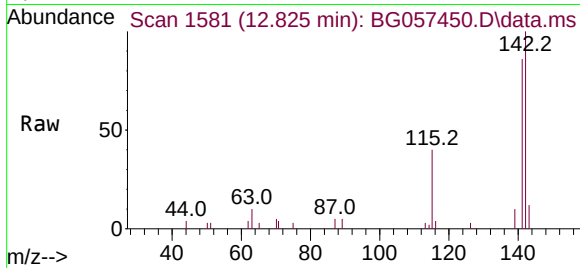
#37
2-Methylnaphthalene
Concen: 3.639 ng
RT: 12.825 min Scan# 1619
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:142 Resp: 990
Ion Ratio Lower Upper
142 100
141 85.7 73.1 109.7
115 39.9 34.6 52.0

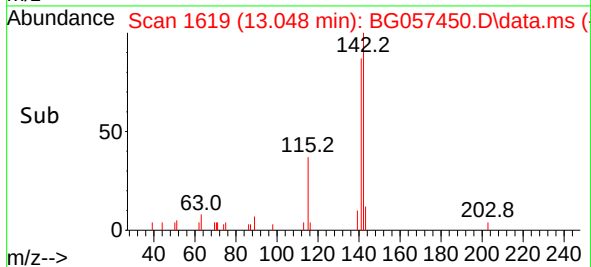
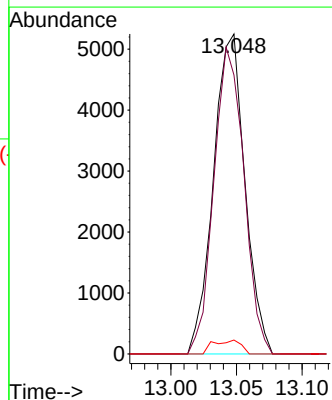
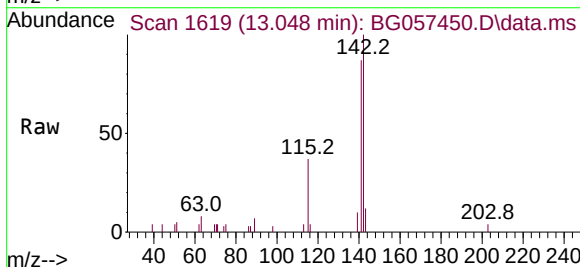
Manual Integrations
APPROVED

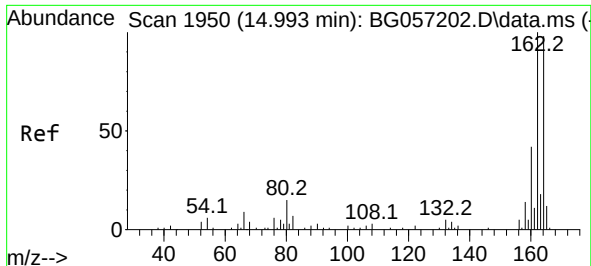
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#38
1-Methylnaphthalene
Concen: 3.413 ng
RT: 13.048 min Scan# 1619
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

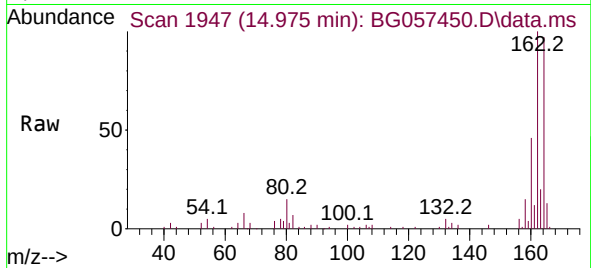
Tgt Ion:142 Resp: 8760
Ion Ratio Lower Upper
142 100
141 87.2 72.5 108.7
116 4.3 3.7 5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.975 min Scan# 1947
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

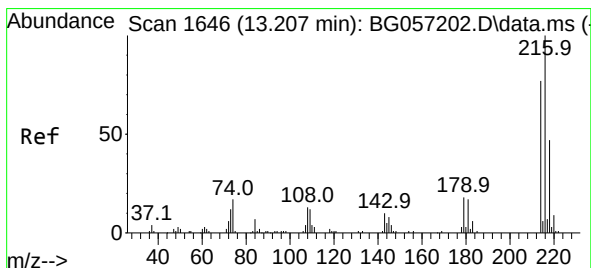
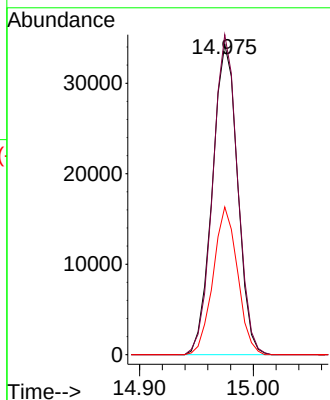
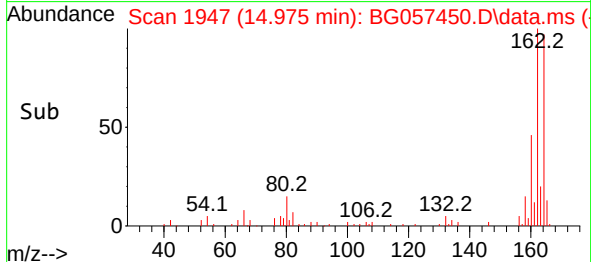
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:164 Resp: 52890
Ion Ratio Lower Upper
164 100
162 103.1 81.8 122.6
160 47.6 34.6 52.0

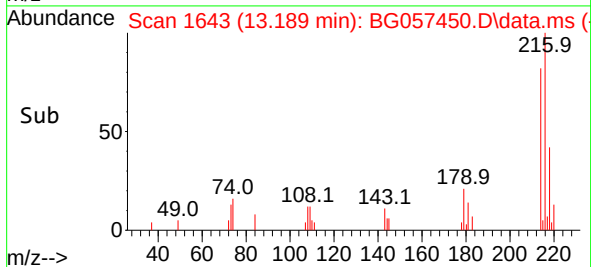
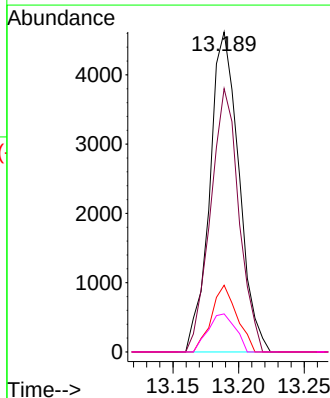
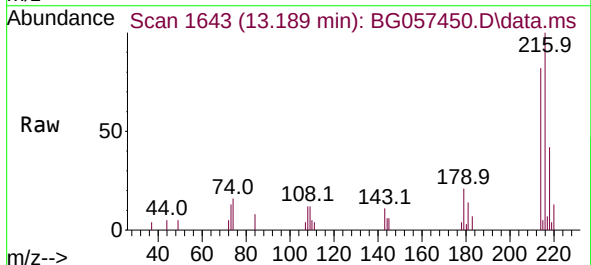
Manual Integrations
APPROVED

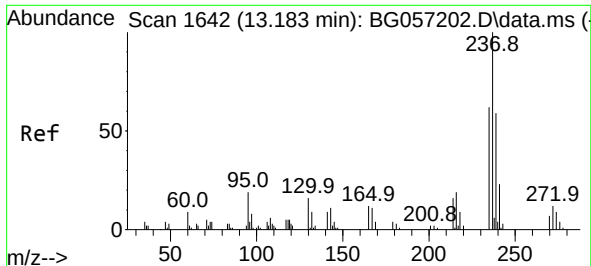
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.804 ng
RT: 13.189 min Scan# 1643
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

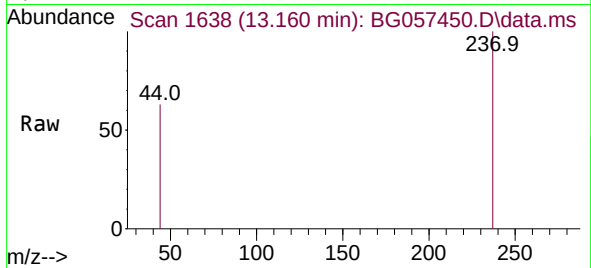
Tgt Ion:216 Resp: 7143
Ion Ratio Lower Upper
216 100
214 80.1 63.7 95.5
179 18.1 14.6 22.0
108 11.1 12.5 18.7#





#41
Hexachlorocyclopentadiene
Concen: 6.572 ng
RT: 13.160 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

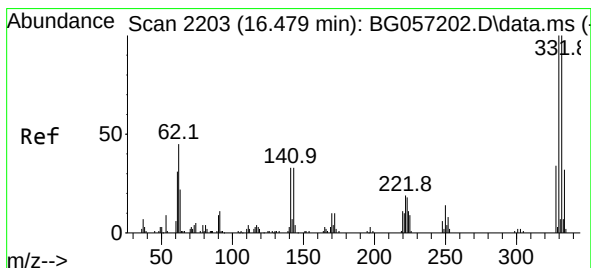
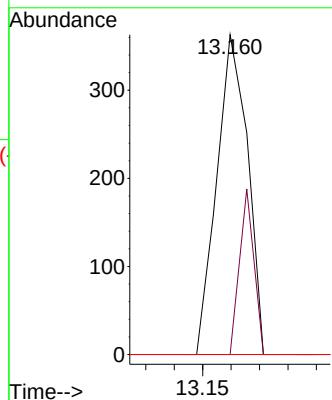
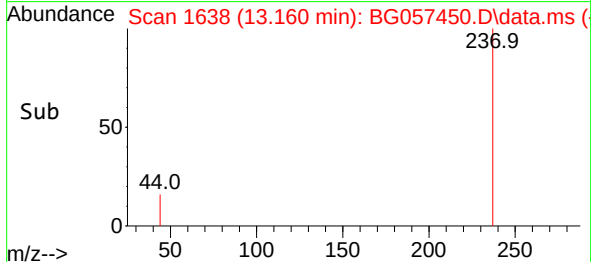
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



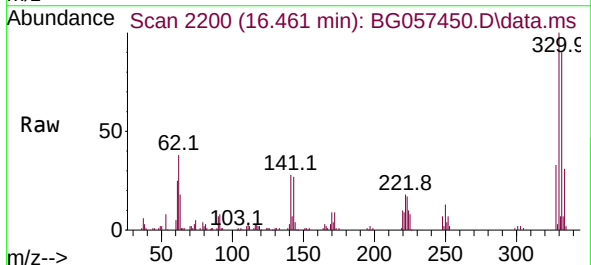
Tgt Ion:237 Resp: 272
Ion Ratio Lower Upper
237 100
235 0.0 42.0 82.0
272 0.0 0.0 31.5

Manual Integrations
APPROVED

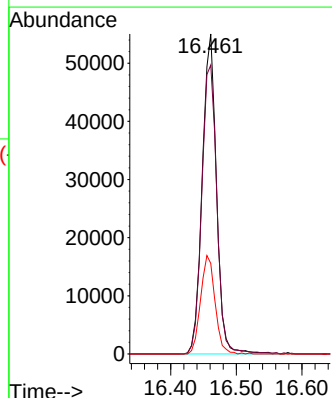
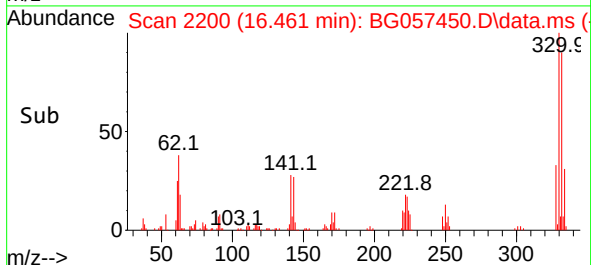
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

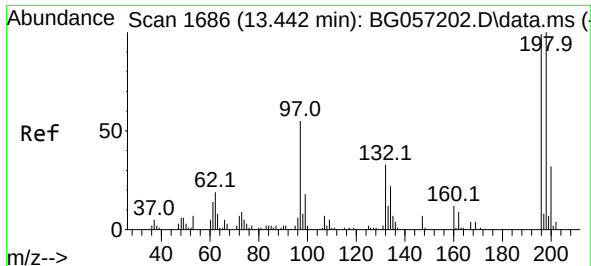


#42
2,4,6-Tribromophenol
Concen: 110.651 ng
RT: 16.461 min Scan# 2200
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



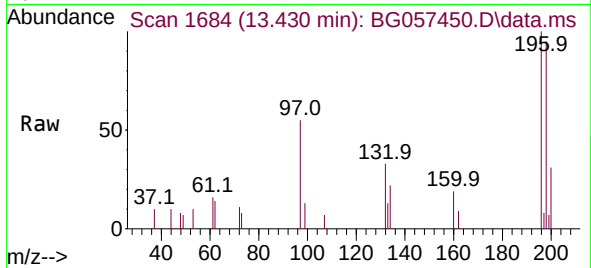
Tgt Ion:330 Resp: 83048
Ion Ratio Lower Upper
330 100
332 95.9 78.2 117.2
141 31.2 27.8 41.8





#43
2,4,6-Trichlorophenol
Concen: 3.277 ng
RT: 13.430 min Scan# 1684
Delta R.T. 0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

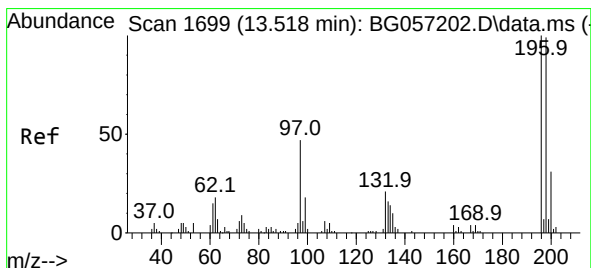
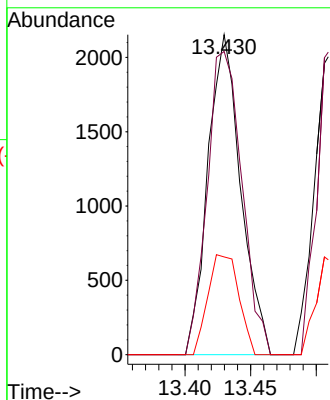
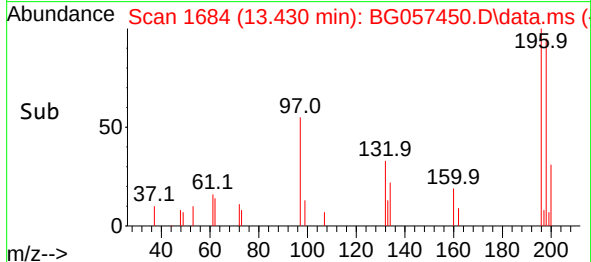
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



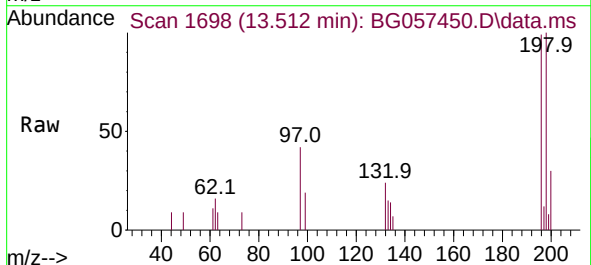
Tgt Ion:196 Resp: 3749
Ion Ratio Lower Upper
196 100
198 94.8 81.2 121.8
200 30.5 26.3 39.5

Manual Integrations
APPROVED

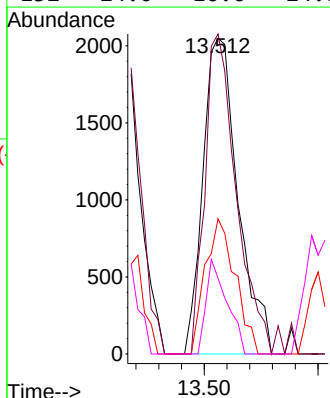
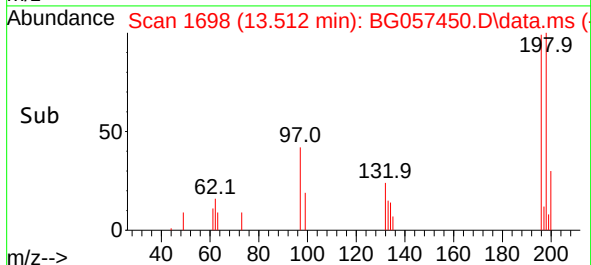
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

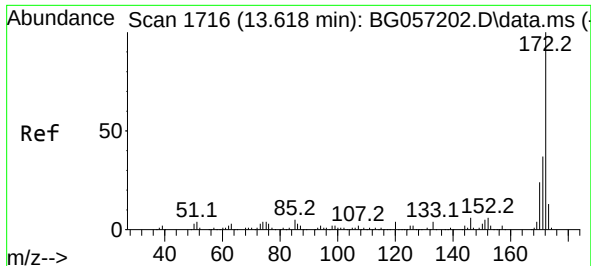


#44
2,4,5-Trichlorophenol
Concen: 3.268 ng
RT: 13.512 min Scan# 1698
Delta R.T. 0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



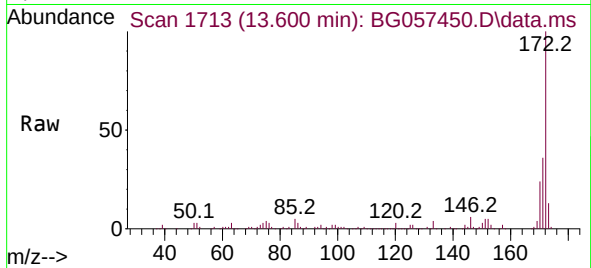
Tgt Ion:196 Resp: 4398
Ion Ratio Lower Upper
196 100
198 101.3 79.4 119.2
97 42.8 37.0 55.4
132 24.0 16.6 24.8





#45
2-Fluorobiphenyl
Concen: 72.913 ng
RT: 13.600 min Scan# 1716
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

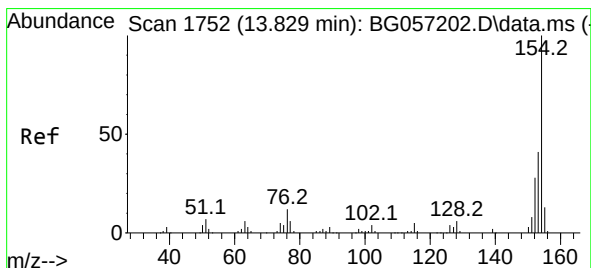
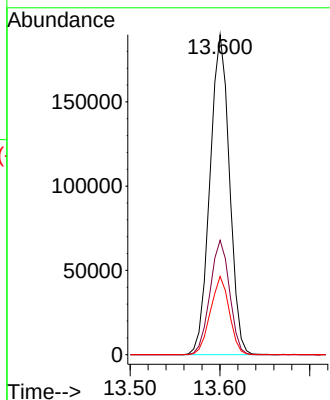
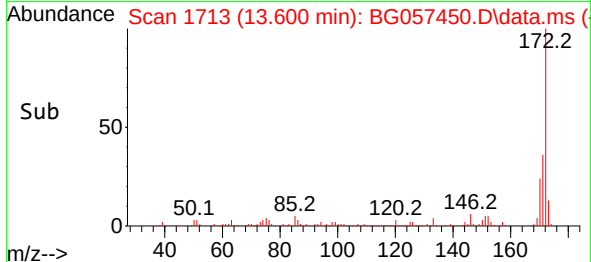
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:172 Resp: 286369
Ion Ratio Lower Upper
172 100
171 35.8 29.4 44.0
170 24.4 19.0 28.6

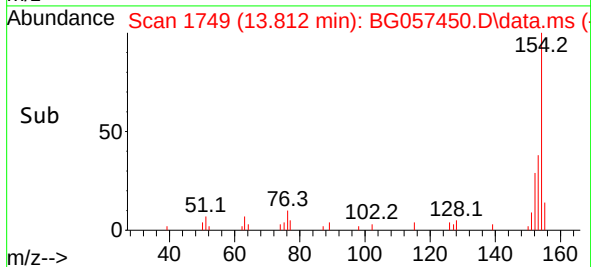
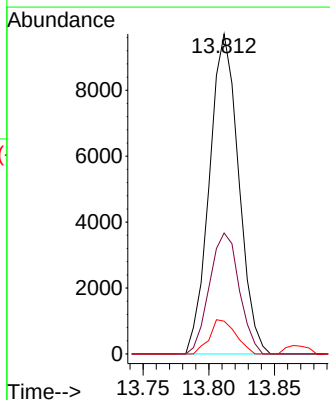
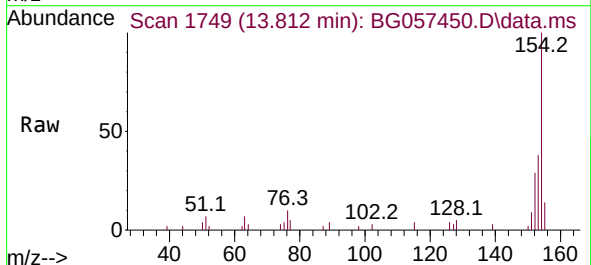
Manual Integrations
APPROVED

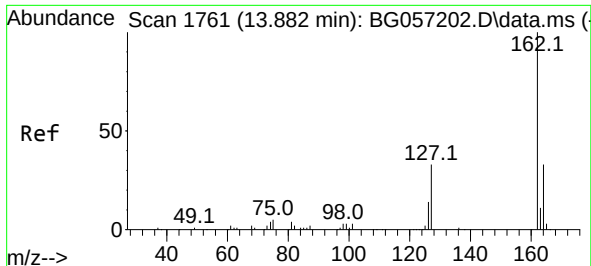
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#46
1,1'-Biphenyl
Concen: 3.835 ng
RT: 13.812 min Scan# 1749
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

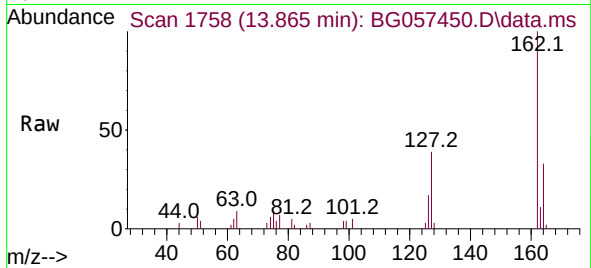
Tgt Ion:154 Resp: 15054
Ion Ratio Lower Upper
154 100
153 37.8 20.9 60.9
76 10.2 0.0 31.7





#47
2-Chloronaphthalene
Concen: 3.866 ng
RT: 13.865 min Scan# 1758
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

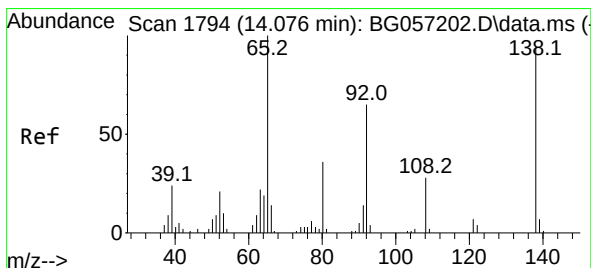
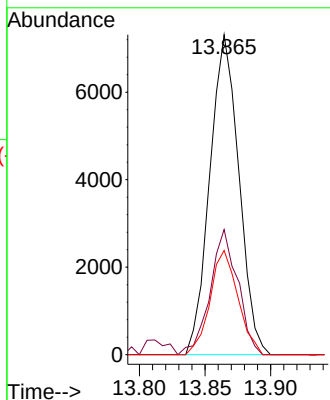
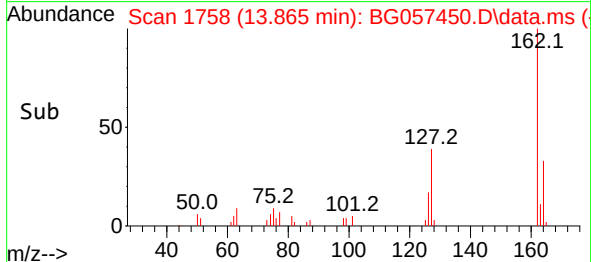
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:162 Resp: 1128
Ion Ratio Lower Upper
162 100
127 39.1 29.8 44.6
164 32.6 26.6 40.0

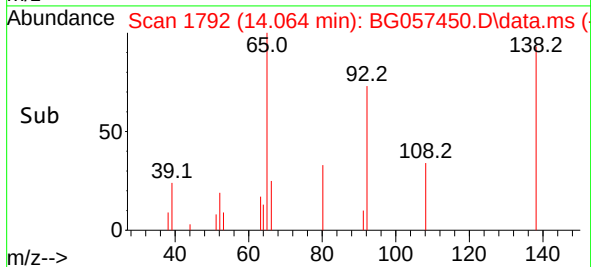
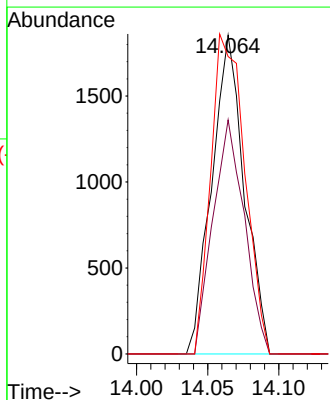
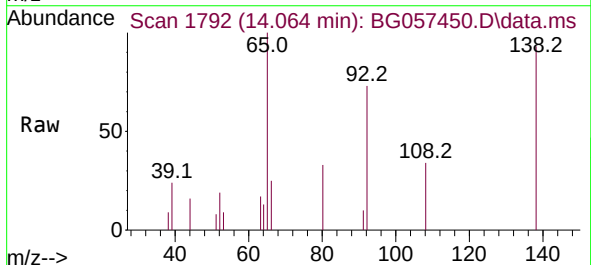
Manual Integrations
APPROVED

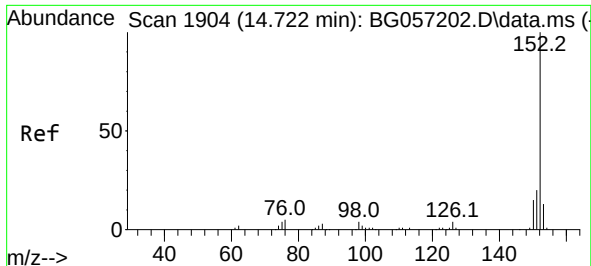
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#48
2-Nitroaniline
Concen: 2.980 ng
RT: 14.064 min Scan# 1792
Delta R.T. 0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

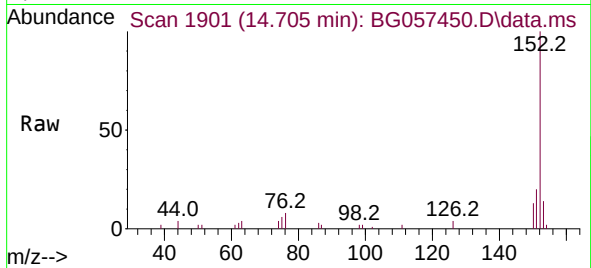
Tgt Ion: 65 Resp: 2957
Ion Ratio Lower Upper
65 100
92 73.4 52.1 78.1
138 93.3 75.3 112.9





#49
Acenaphthylene
Concen: 3.557 ng
RT: 14.705 min Scan# 1904
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

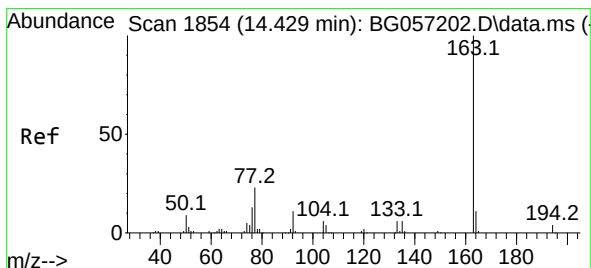
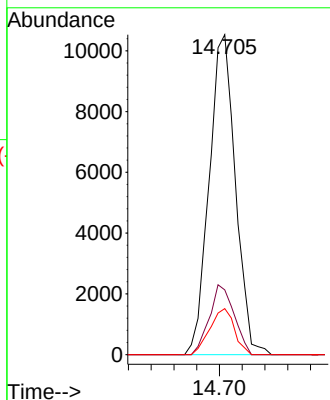
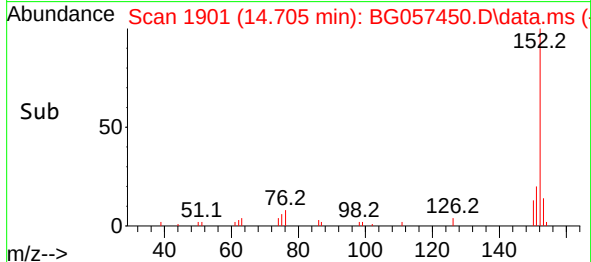
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



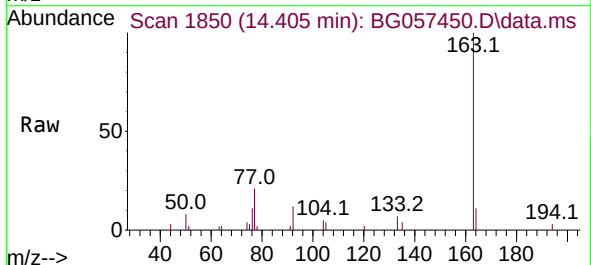
Tgt Ion:152 Resp: 16869
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 14.4 10.7 16.1

Manual Integrations
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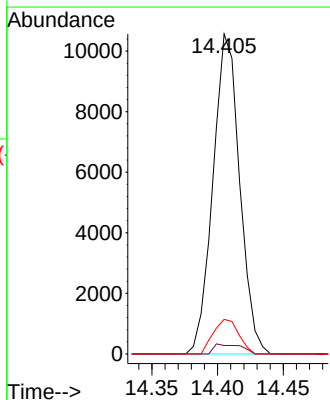
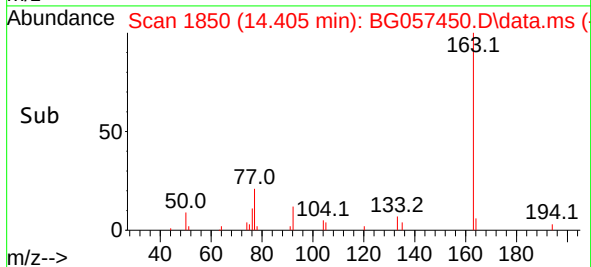
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

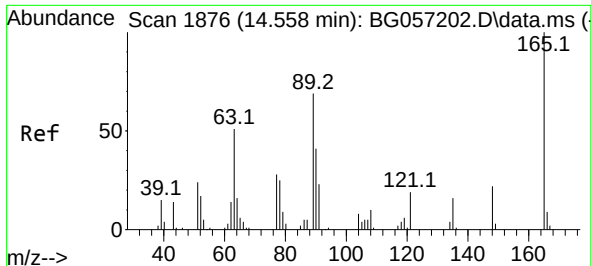


#50
Dimethylphthalate
Concen: 3.438 ng
RT: 14.405 min Scan# 1850
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



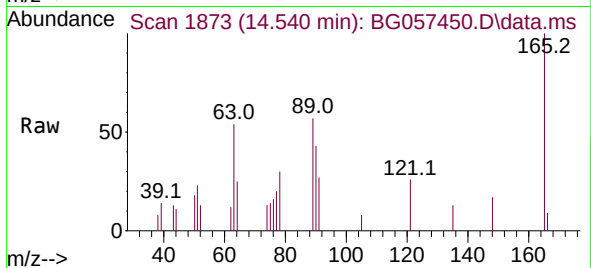
Tgt Ion:163 Resp: 14945
Ion Ratio Lower Upper
163 100
194 2.7 3.4 5.2#
164 10.8 8.8 13.2





#51
2,6-Dinitrotoluene
Concen: 3.357 ng
RT: 14.540 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

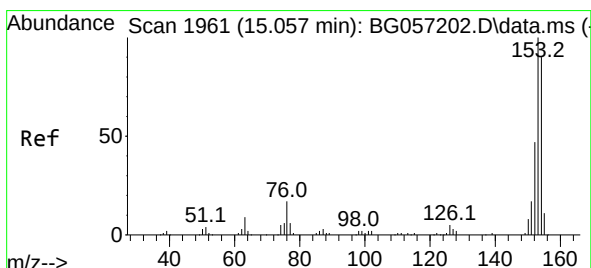
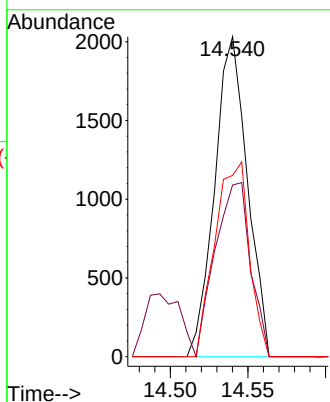
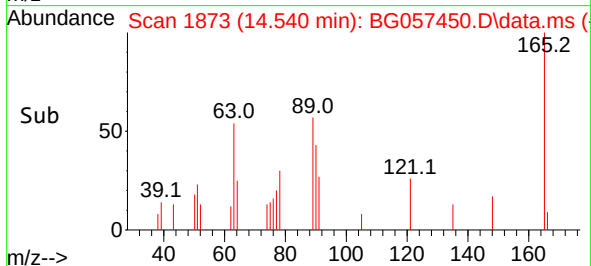
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:165 Resp: 2979
Ion Ratio Lower Upper
165 100
63 53.6 50.9 76.3
89 56.6 55.2 82.8

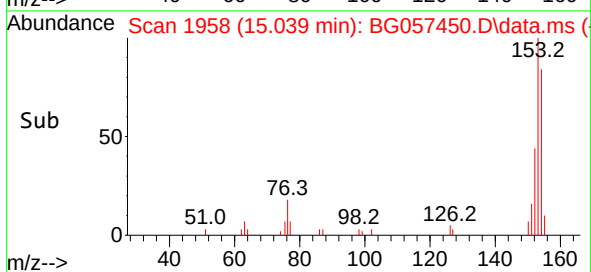
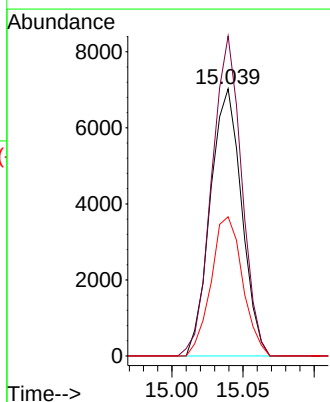
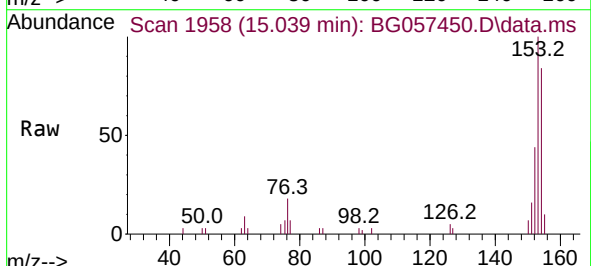
Manual Integrations
APPROVED

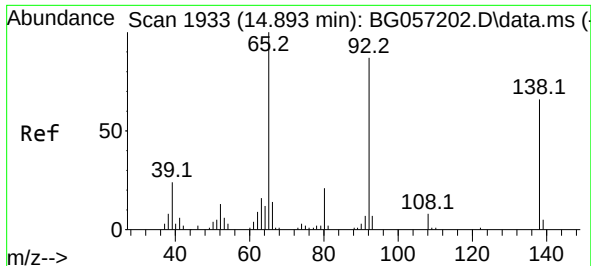
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#52
Acenaphthene
Concen: 3.637 ng
RT: 15.039 min Scan# 1958
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

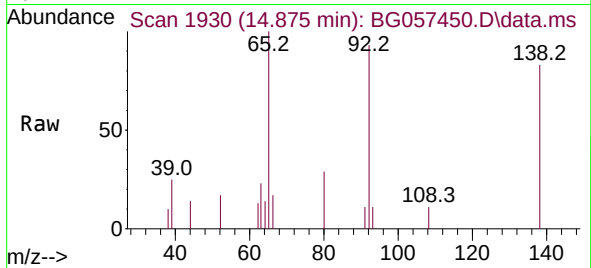
Tgt Ion:154 Resp: 10776
Ion Ratio Lower Upper
154 100
153 119.7 89.3 133.9
152 52.1 41.7 62.5





#53
3-Nitroaniline
Concen: 3.122 ng
RT: 14.875 min Scan# 1930
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

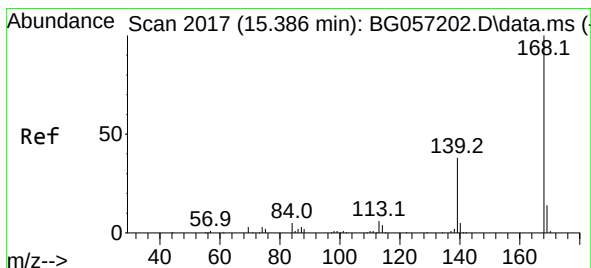
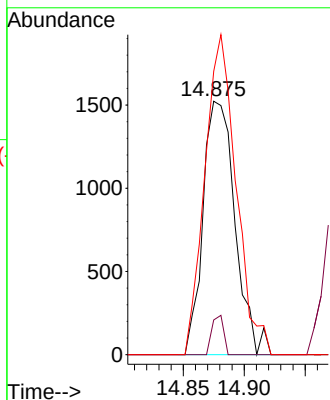
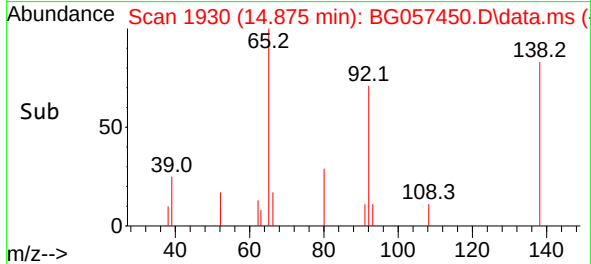
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2023



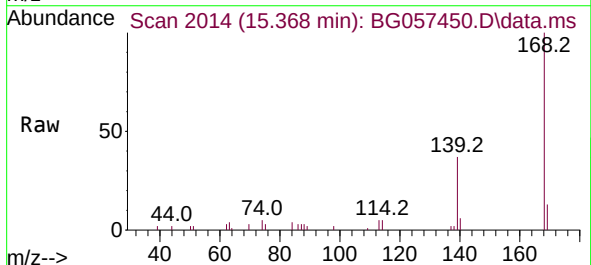
Tgt Ion:138 Resp: 2770
Ion Ratio Lower Upper
138 100
108 13.7 9.5 14.3
92 111.8 106.2 159.4

Manual Integrations
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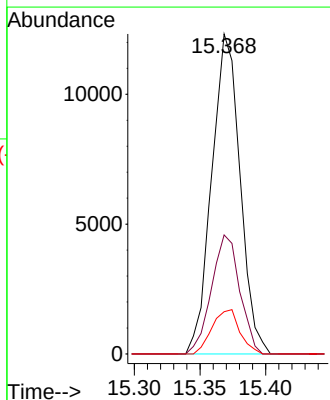
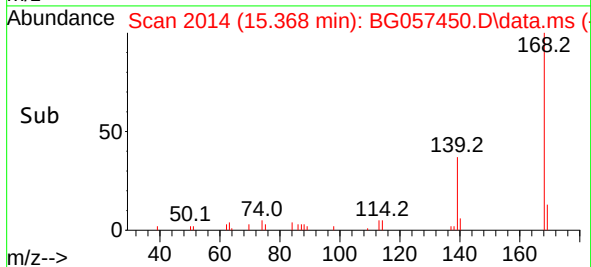
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

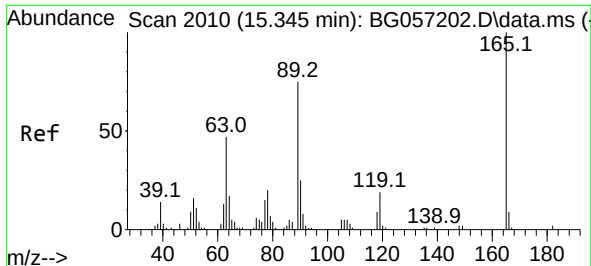


#55
Dibenzofuran
Concen: 3.712 ng
RT: 15.368 min Scan# 2014
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



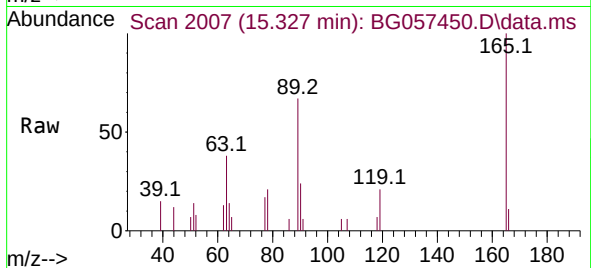
Tgt Ion:168 Resp: 18483
Ion Ratio Lower Upper
168 100
139 37.2 30.7 46.1
169 13.2 10.9 16.3





#57
2,4-Dinitrotoluene
Concen: 3.355 ng
RT: 15.327 min Scan# 2010
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

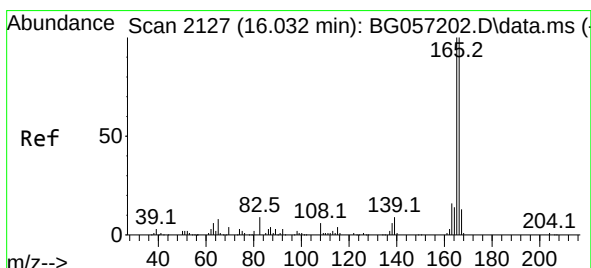
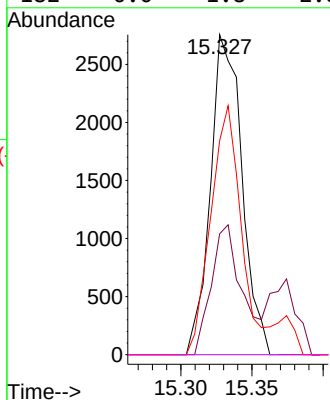
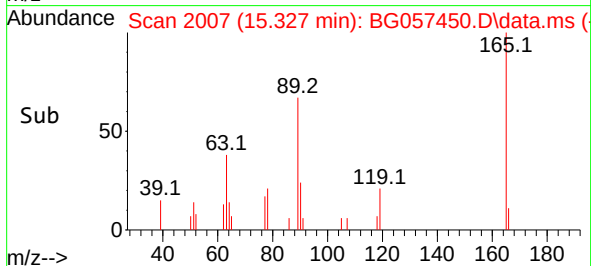
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:165 Resp: 425
Ion Ratio Lower Upper
165 100
63 37.7 37.5 56.3
89 66.8 60.2 90.4
182 0.0 1.8 2.8#

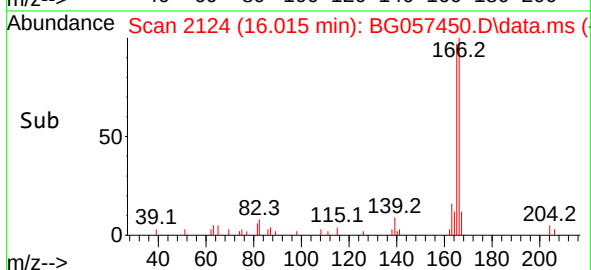
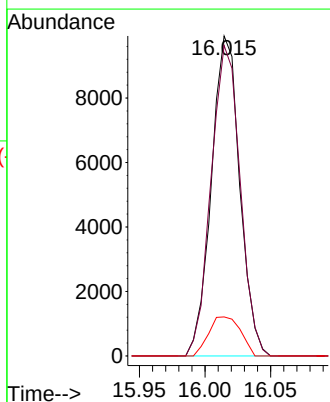
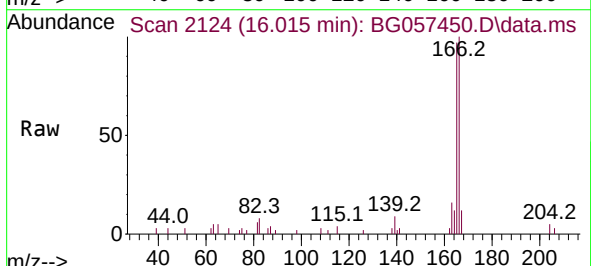
Manual Integrations
APPROVED

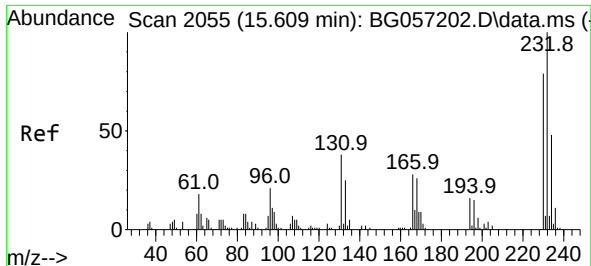
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#58
Fluorene
Concen: 3.636 ng
RT: 16.015 min Scan# 2124
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

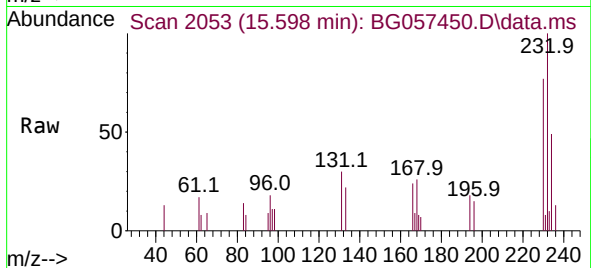
Tgt Ion:166 Resp: 14909
Ion Ratio Lower Upper
166 100
165 97.0 80.1 120.1
167 12.2 10.2 15.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.333 ng
RT: 15.598 min Scan# 2053
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

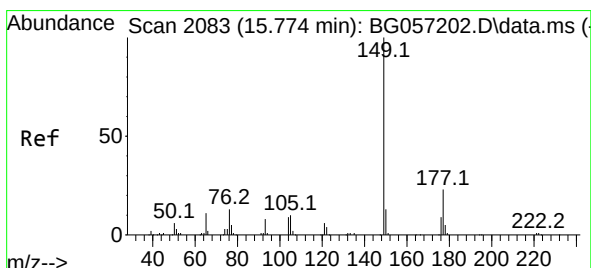
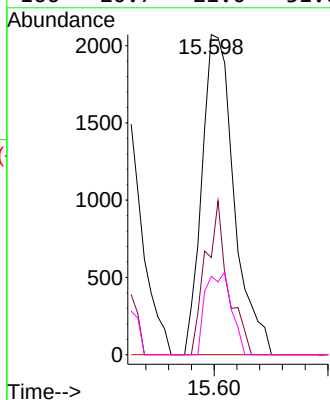
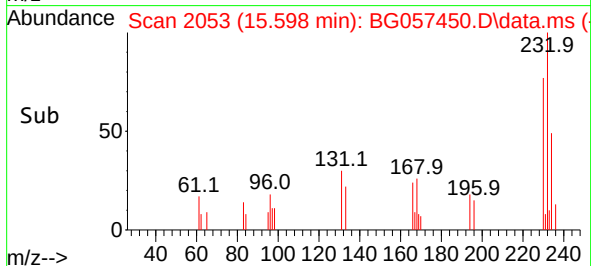
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



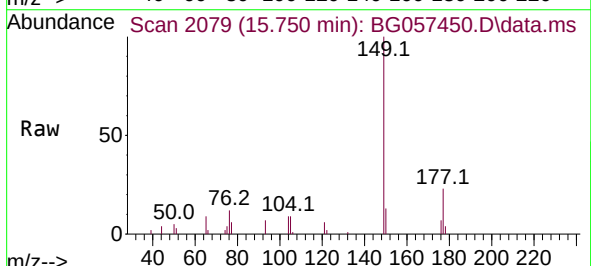
Tgt Ion:232 Resp: 406
Ion Ratio Lower Upper
232 100
131 33.3 28.6 42.8
130 0.0 1.6 2.4
166 20.7 21.0 31.6#

Manual Integrations
APPROVED

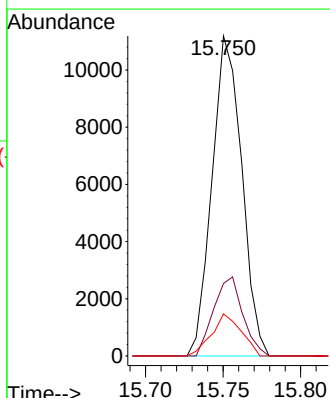
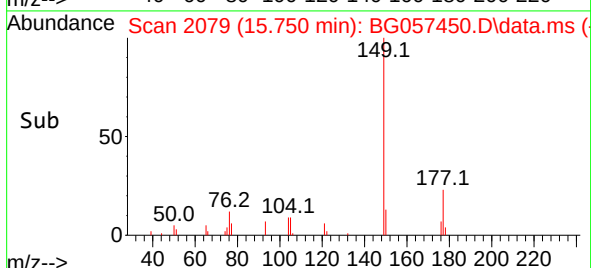
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

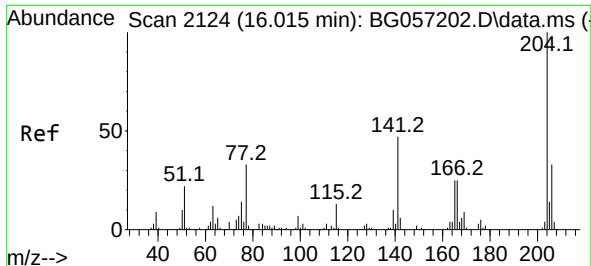


#60
Diethylphthalate
Concen: 3.374 ng
RT: 15.750 min Scan# 2079
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



Tgt Ion:149 Resp: 14893
Ion Ratio Lower Upper
149 100
177 22.6 18.3 27.5
150 13.2 10.1 15.1





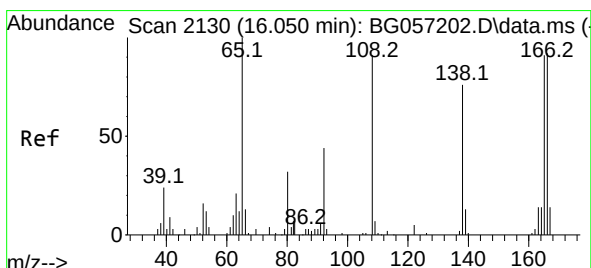
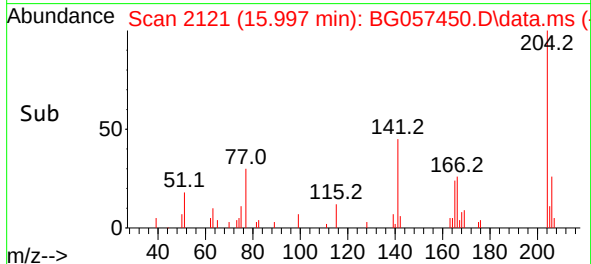
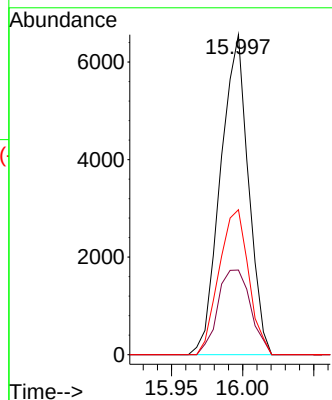
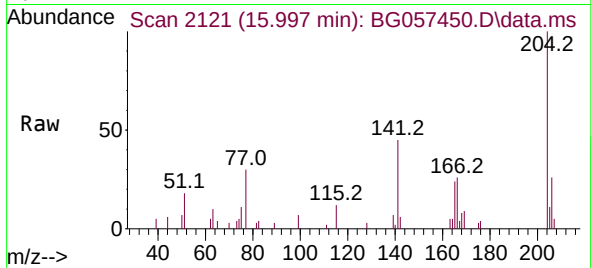
#61
4-Chlorophenyl-phenylether
Concen: 3.615 ng
RT: 15.997 min Scan# 2124
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:204 Resp: 893
Ion Ratio Lower Upper
204 100
206 26.5 26.5 39.7
141 45.3 37.4 56.0

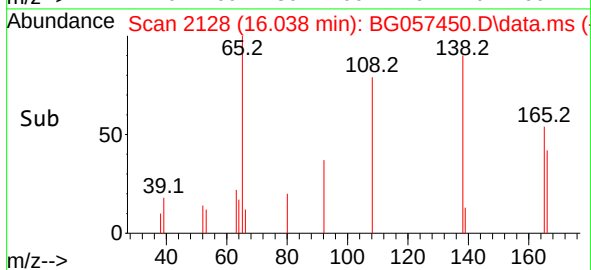
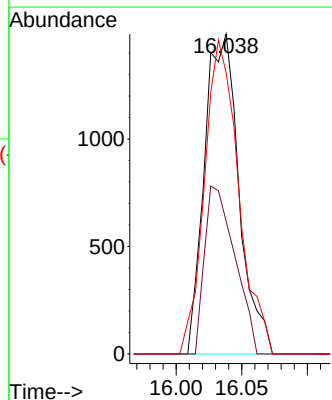
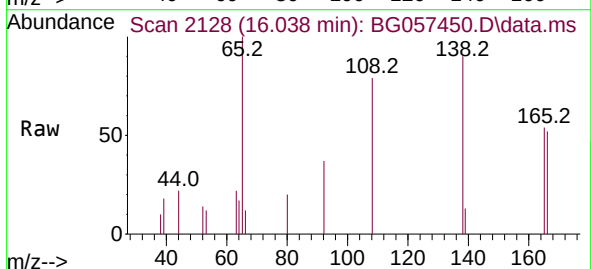
Manual Integrations
APPROVED

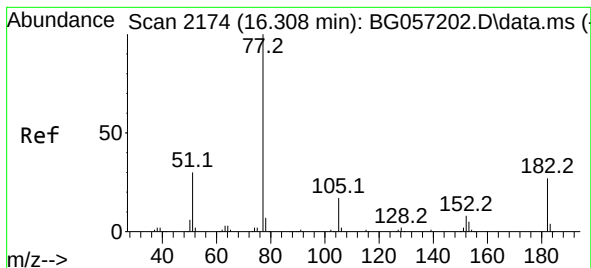
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#62
4-Nitroaniline
Concen: 3.025 ng
RT: 16.038 min Scan# 2128
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Tgt Ion:138 Resp: 2713
Ion Ratio Lower Upper
138 100
92 41.5 38.2 78.2
108 87.9 99.6 139.6#





#63

Azobenzene

Concen: 3.120 ng

RT: 16.291 min Scan# 2171

Delta R.T. -0.003 min

Lab File: BG057450.D

Acq: 17 May 2023 18:48

Instrument :

BNA_G

ClientSampleId :

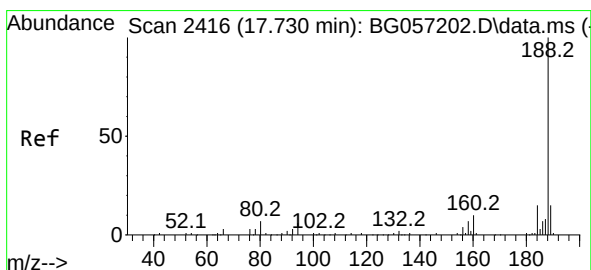
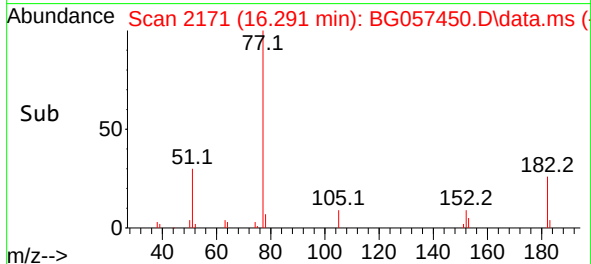
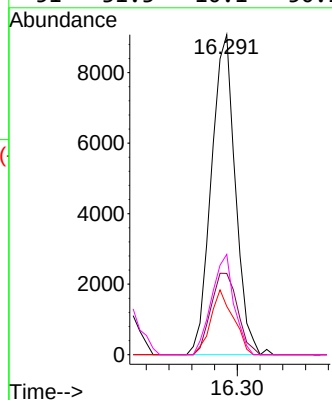
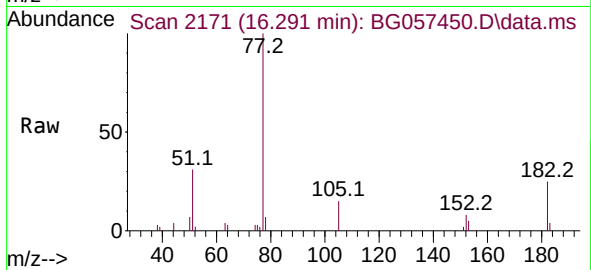
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion: 77	Resp: 1328
Ion Ratio	Lower Upper
77 100	
182 25.4	7.4 47.4
105 15.1	0.0 37.2
51 31.3	10.1 50.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

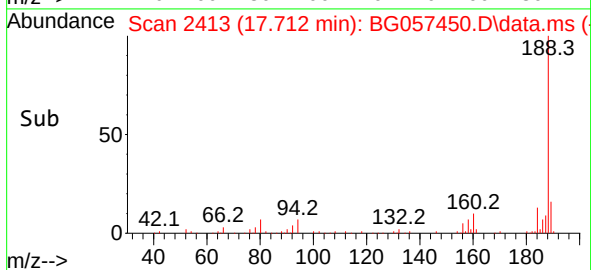
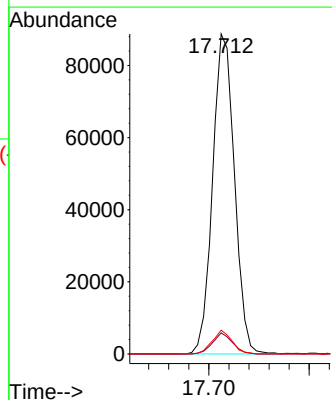
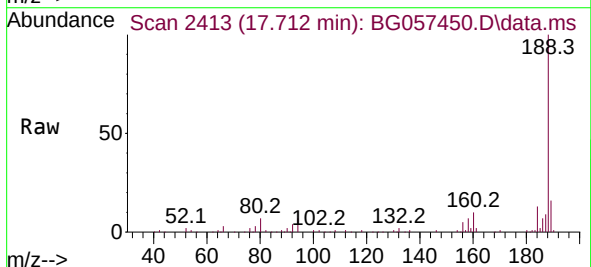
RT: 17.712 min Scan# 2413

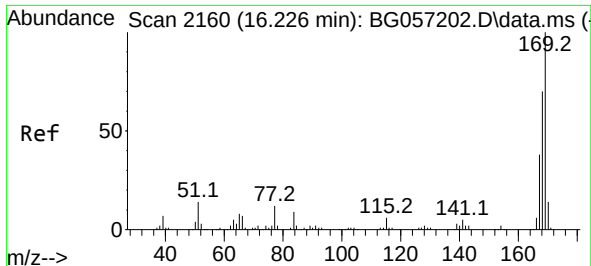
Delta R.T. -0.009 min

Lab File: BG057450.D

Acq: 17 May 2023 18:48

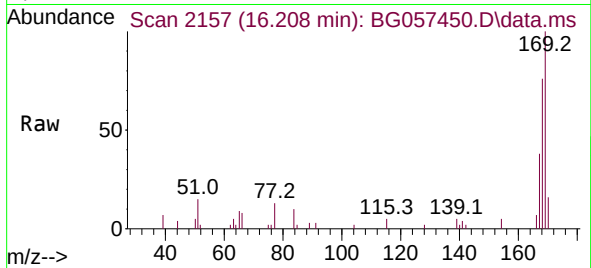
Tgt Ion:188	Resp: 134056
Ion Ratio	Lower Upper
188 100	
94 6.6	5.1 7.7
80 7.4	5.7 8.5





#66
n-Nitrosodiphenylamine
Concen: 3.452 ng
RT: 16.208 min Scan# 2160
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

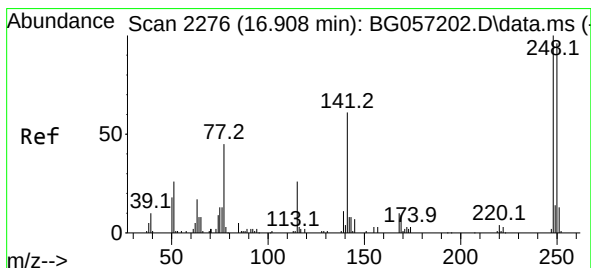
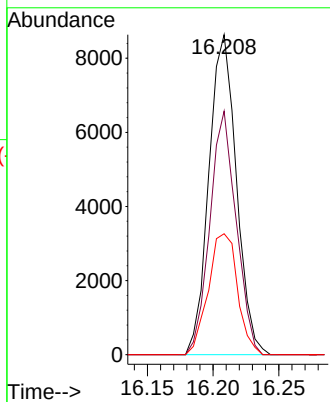
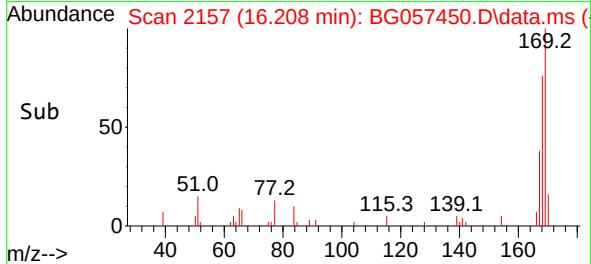
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:169 Resp: 1256
Ion Ratio Lower Upper
169 100
168 76.1 56.2 84.4
167 37.8 30.2 45.4

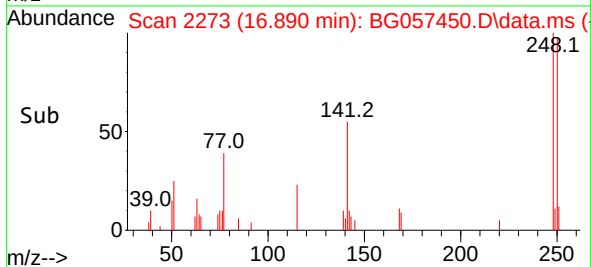
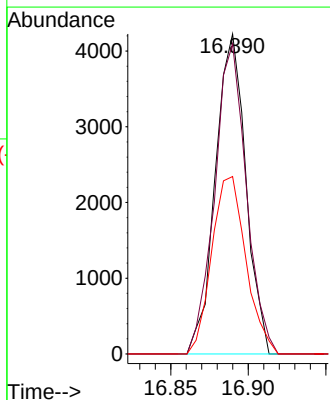
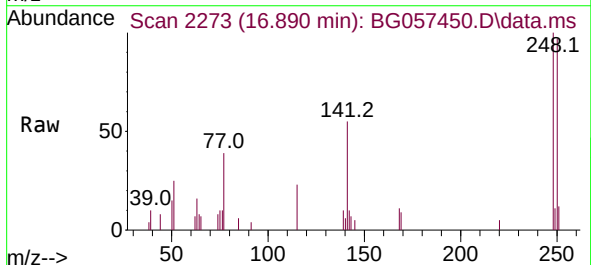
Manual Integrations
APPROVED

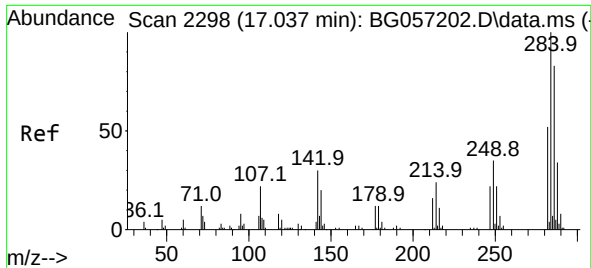
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#67
4-Bromophenyl-phenylether
Concen: 3.523 ng
RT: 16.890 min Scan# 2273
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

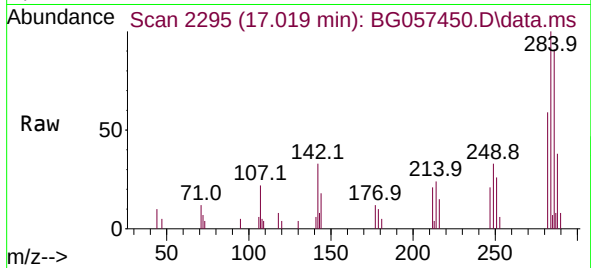
Tgt Ion:248 Resp: 5766
Ion Ratio Lower Upper
248 100
250 96.9 77.0 115.6
141 55.5 48.6 72.8





#68
Hexachlorobenzene
Concen: 3.597 ng
RT: 17.019 min Scan# 211
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

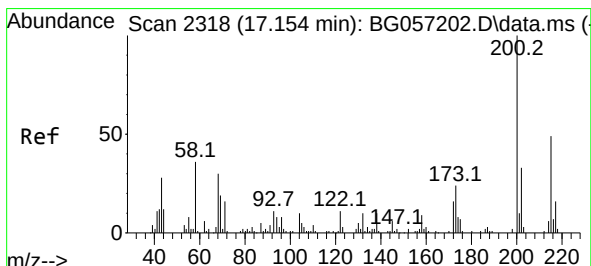
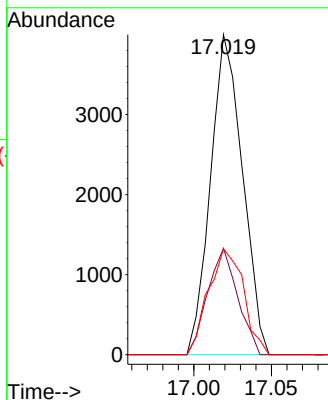
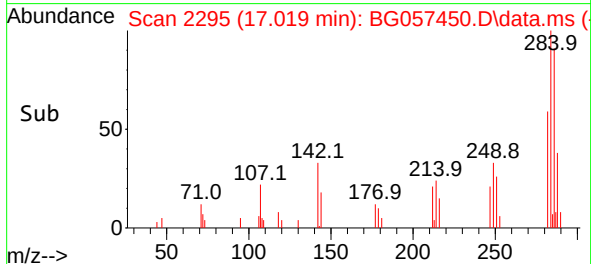
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



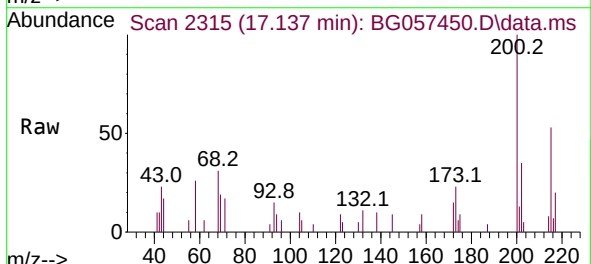
Tgt Ion:284 Resp: 5720
Ion Ratio Lower Upper
284 100
142 33.2 23.9 35.9
249 33.0 27.7 41.5

Manual Integrations
APPROVED

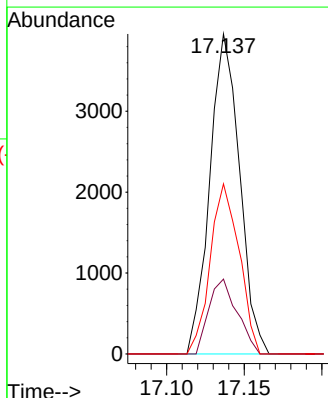
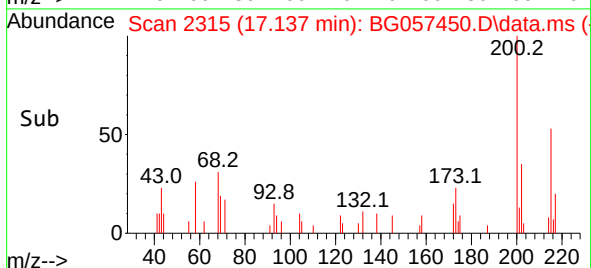
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

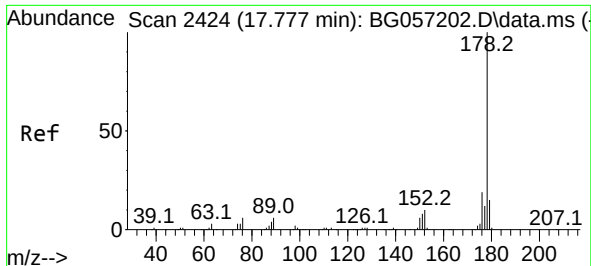


#69
Atrazine
Concen: 3.798 ng
RT: 17.137 min Scan# 2315
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



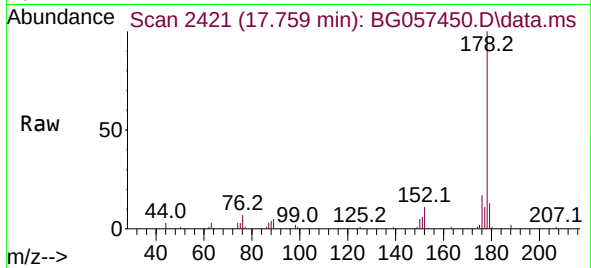
Tgt Ion:200 Resp: 5275
Ion Ratio Lower Upper
200 100
173 23.4 4.3 44.3
215 53.1 29.3 69.3





#71
Phenanthrene
Concen: 3.704 ng
RT: 17.759 min Scan# 2421
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

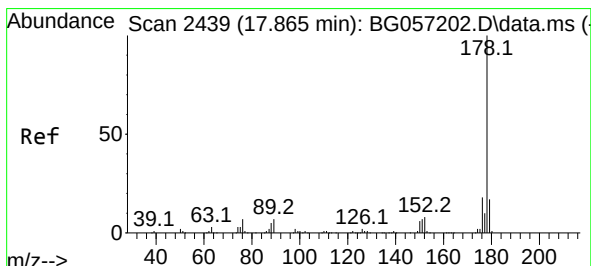
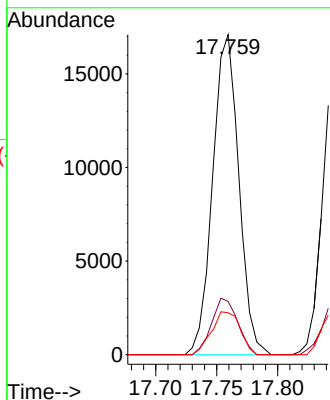
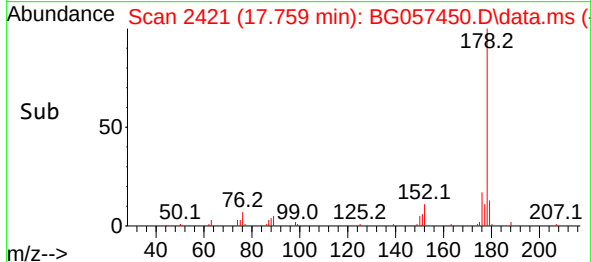
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



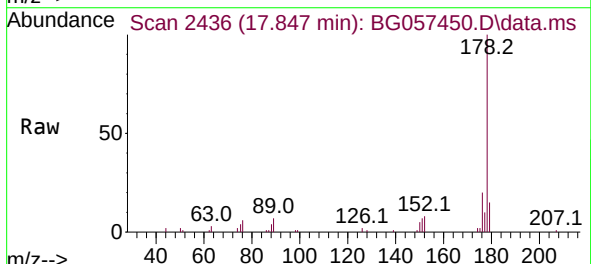
Tgt Ion:178 Resp: 25444
Ion Ratio Lower Upper
178 100
176 16.7 15.4 23.2
179 13.1 12.3 18.5

Manual Integrations
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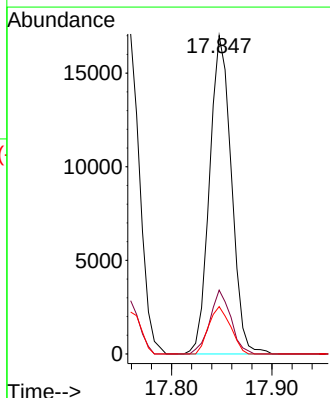
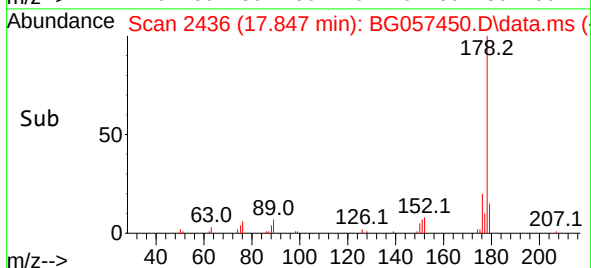
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

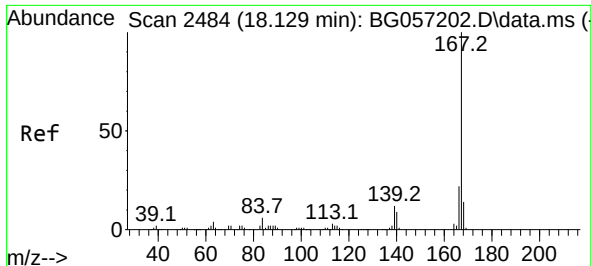


#72
Anthracene
Concen: 3.650 ng
RT: 17.847 min Scan# 2436
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



Tgt Ion:178 Resp: 25730
Ion Ratio Lower Upper
178 100
176 20.1 14.7 22.1
179 14.9 13.2 19.8





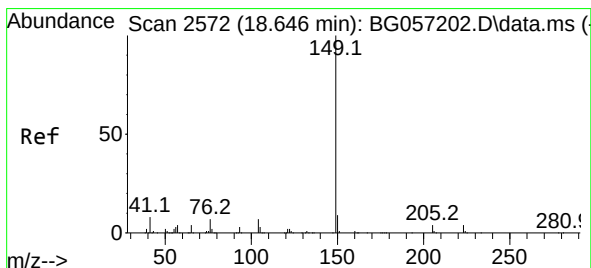
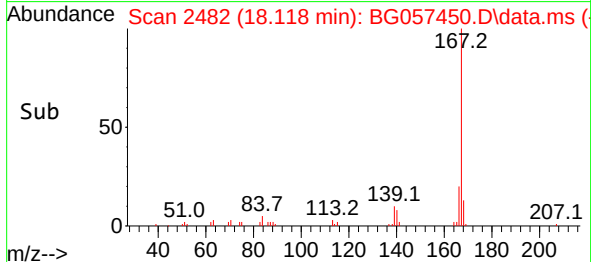
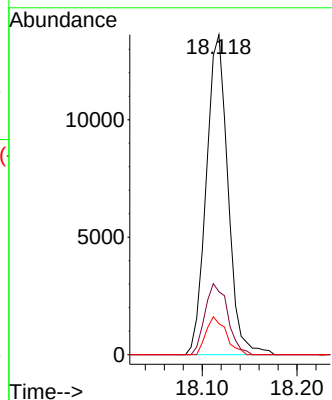
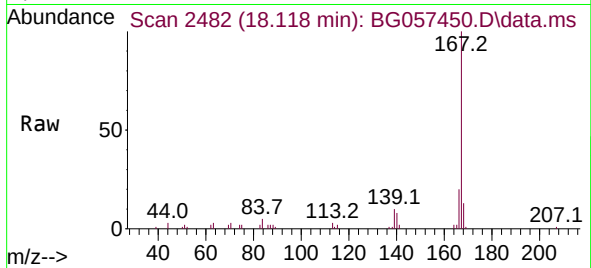
#73
Carbazole
Concen: 3.635 ng
RT: 18.118 min Scan# 2482
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Tgt Ion:167 Resp: 21570
Ion Ratio Lower Upper
167 100
166 19.7 17.4 26.0
139 9.7 9.6 14.4

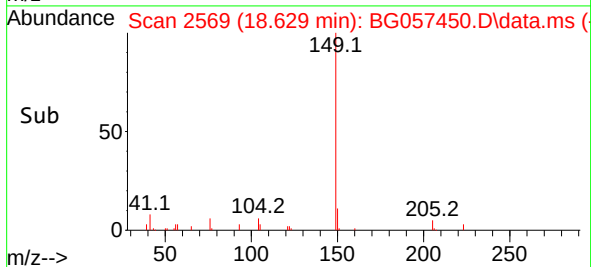
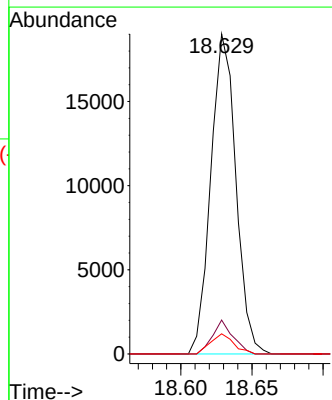
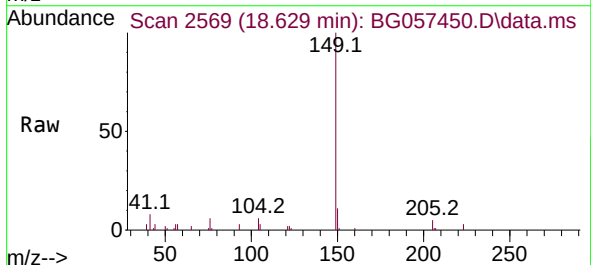
Manual Integrations
APPROVED

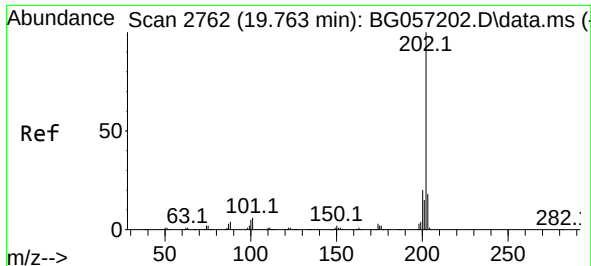
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#74
Di-n-butylphthalate
Concen: 3.412 ng
RT: 18.629 min Scan# 2569
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

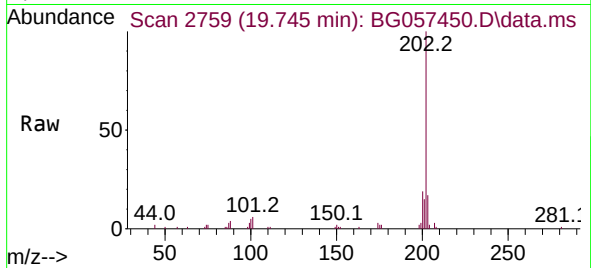
Tgt Ion:149 Resp: 23296
Ion Ratio Lower Upper
149 100
150 10.6 7.3 10.9
104 6.3 5.4 8.2





#75
Fluoranthene
Concen: 3.590 ng
RT: 19.745 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

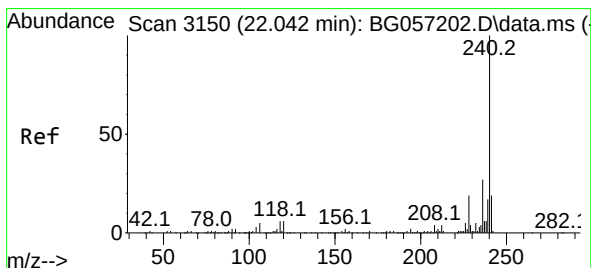
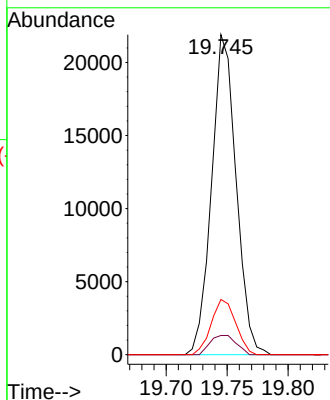
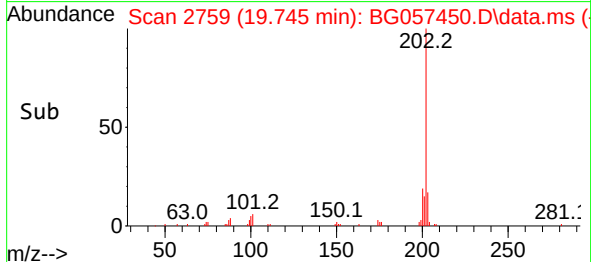
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



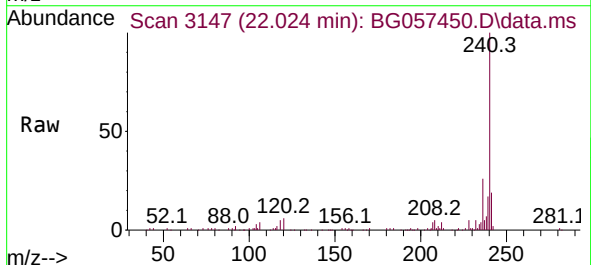
Tgt Ion:202 Resp: 30672
Ion Ratio Lower Upper
202 100
101 6.0 0.0 26.2
203 17.3 0.0 37.9

Manual Integrations
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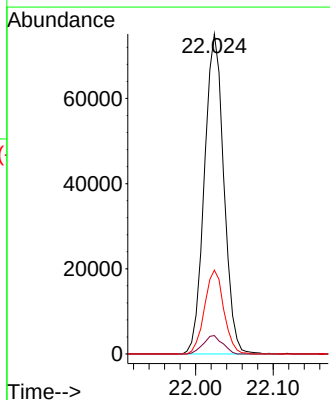
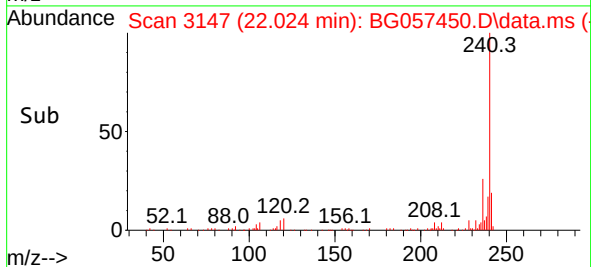
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

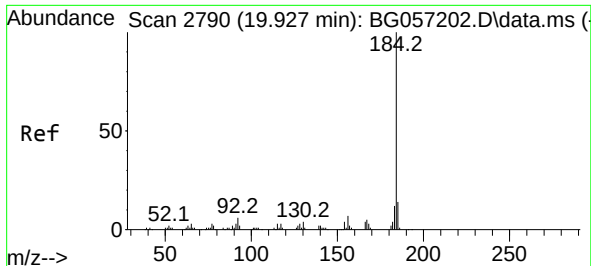


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.024 min Scan# 3147
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



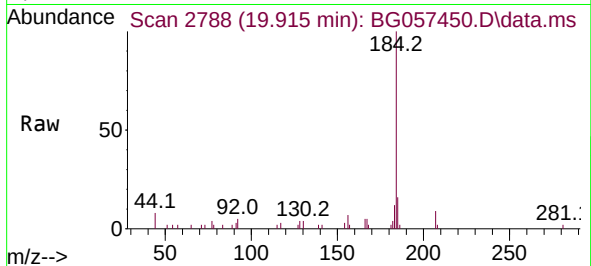
Tgt Ion:240 Resp: 130644
Ion Ratio Lower Upper
240 100
120 5.7 4.9 7.3
236 26.2 21.4 32.2





#77
Benzidine
Concen: 5.257 ng
RT: 19.915 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

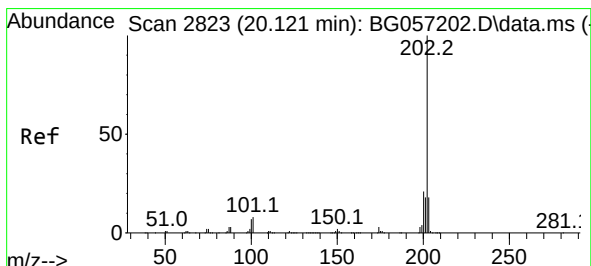
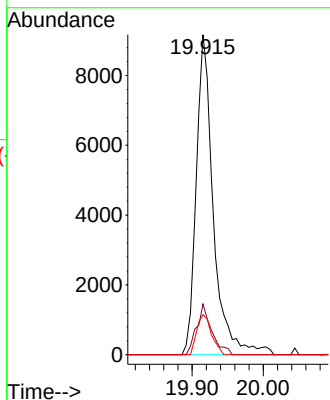
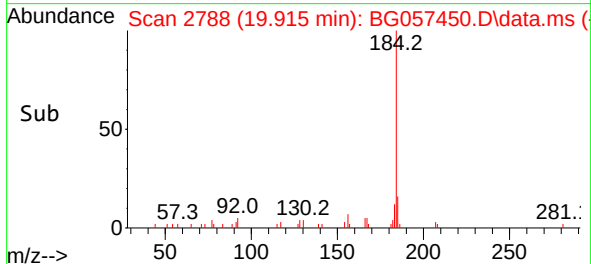
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



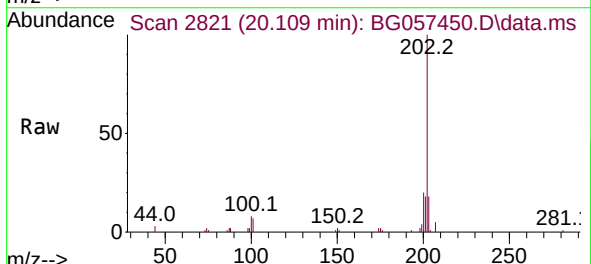
Tgt Ion:184 Resp: 15354
Ion Ratio Lower Upper
184 100
185 15.8 11.1 16.7
183 12.5 9.9 14.9

Manual Integrations
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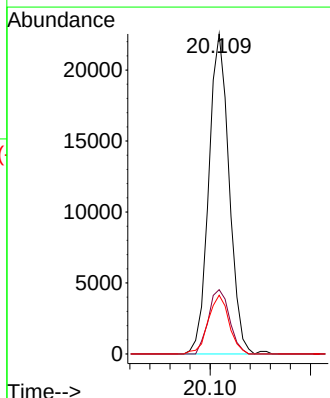
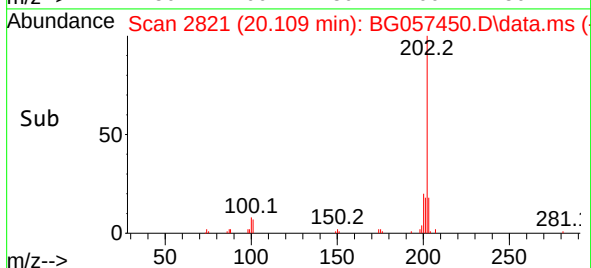
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

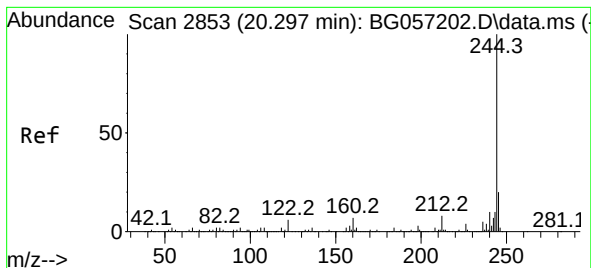


#78
Pyrene
Concen: 3.349 ng
RT: 20.109 min Scan# 2821
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



Tgt Ion:202 Resp: 31789
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.4
203 18.4 14.2 21.4





#79

Terphenyl-d14

Concen: 69.005 ng

RT: 20.285 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG057450.D

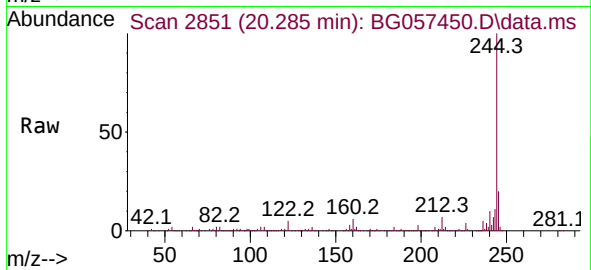
Acq: 17 May 2023 18:48

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:244 Resp: 55242

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

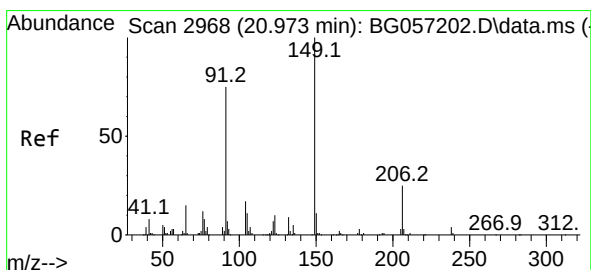
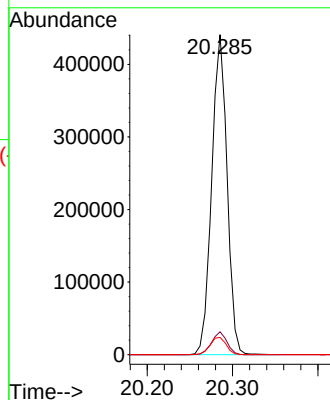
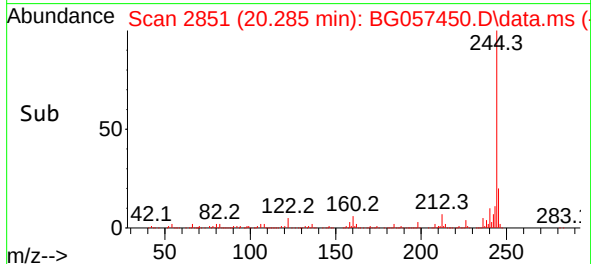
122 5.4 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#80

Butylbenzylphthalate

Concen: 3.342 ng

RT: 20.955 min Scan# 2965

Delta R.T. -0.009 min

Lab File: BG057450.D

Acq: 17 May 2023 18:48

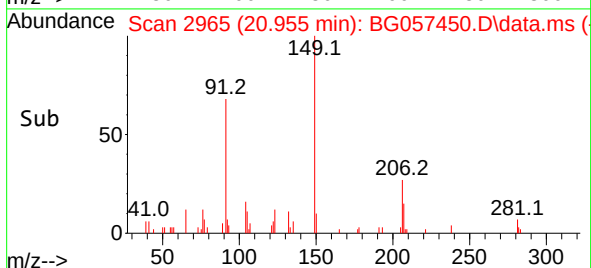
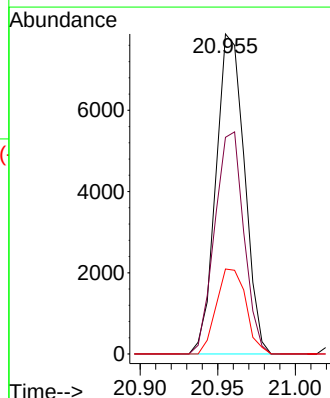
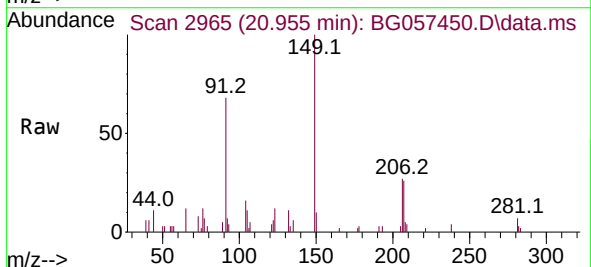
Tgt Ion:149 Resp: 10068

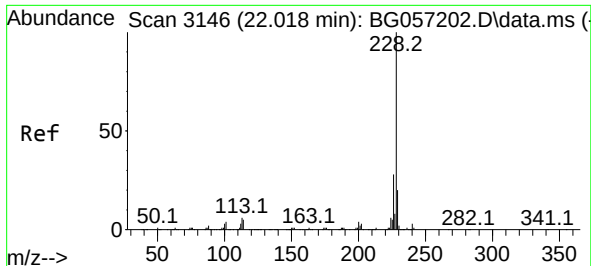
Ion Ratio Lower Upper

149 100

91 67.7 59.7 89.5

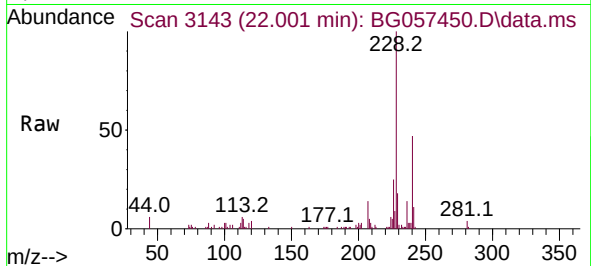
206 26.5 19.7 29.5





#81
Benzo(a)anthracene
Concen: 3.488 ng
RT: 22.001 min Scan# 3146
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

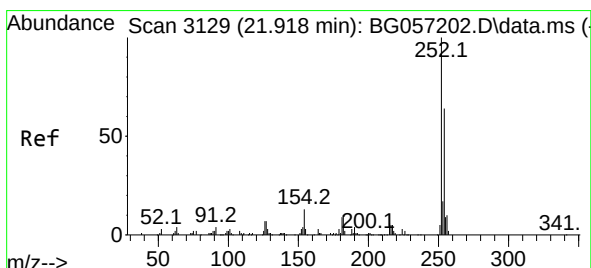
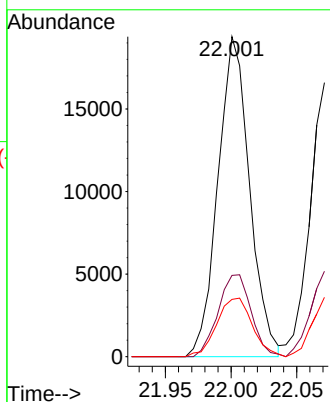
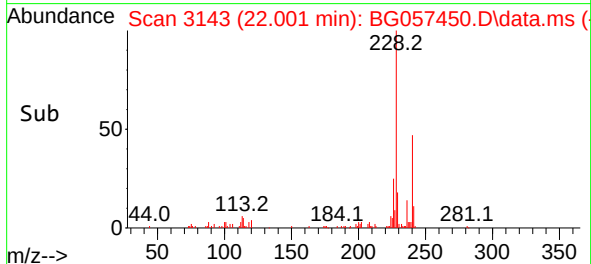
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:228 Resp: 3246
Ion Ratio Lower Upper
228 100
226 25.4 22.0 33.0
229 17.9 15.8 23.8

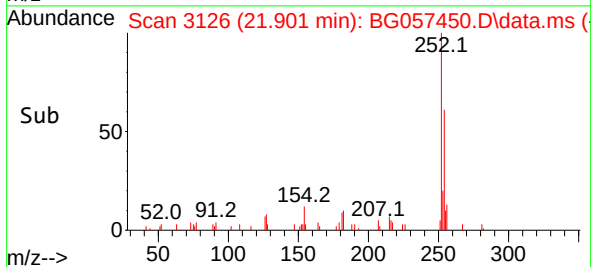
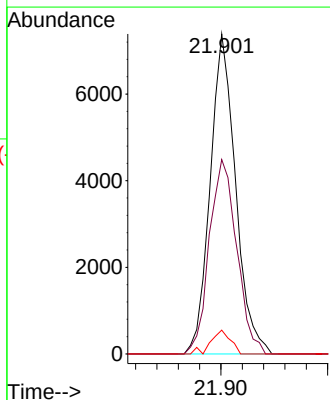
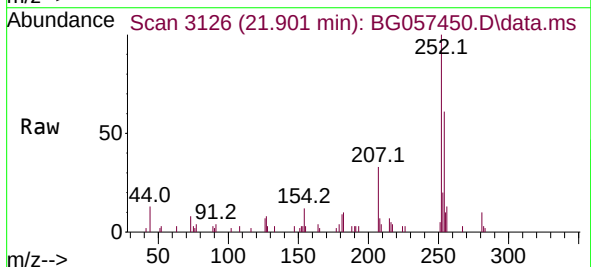
Manual Integrations
APPROVED

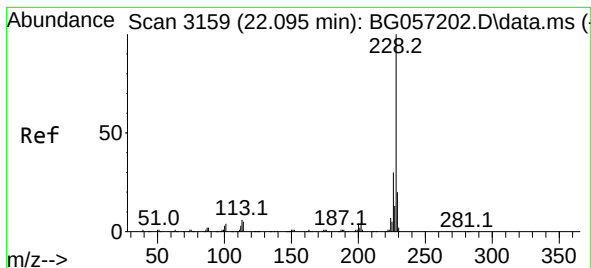
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#82
3,3'-Dichlorobenzidine
Concen: 4.098 ng
RT: 21.901 min Scan# 3126
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

Tgt Ion:252 Resp: 12217
Ion Ratio Lower Upper
252 100
254 60.8 51.4 77.0
126 7.4 5.9 8.9





#83

Chrysene

Concen: 3.517 ng

RT: 22.077 min Scan# 3117

Delta R.T. -0.003 min

Lab File: BG057450.D

Acq: 17 May 2023 18:48

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023

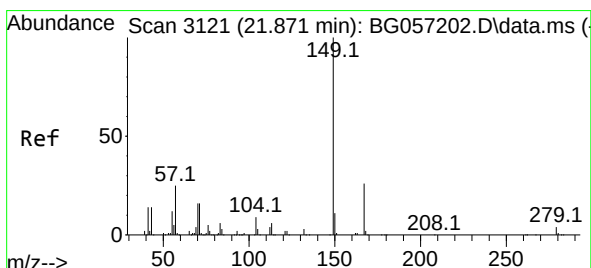
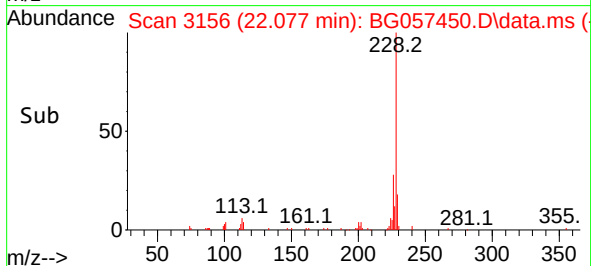
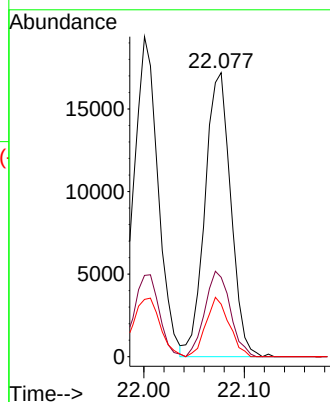
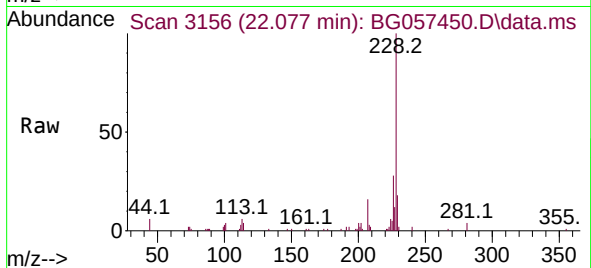
Tgt Ion:	228	Resp:	3079
Ion Ratio	Lower	Upper	
228	100		
226	27.9	24.3	36.5
229	18.5	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.356 ng

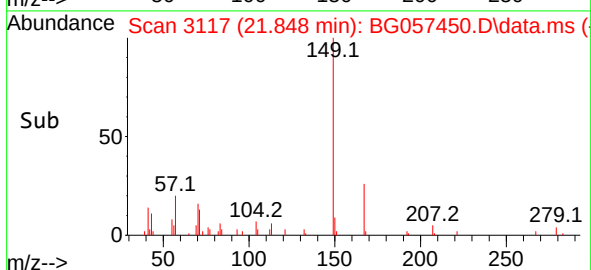
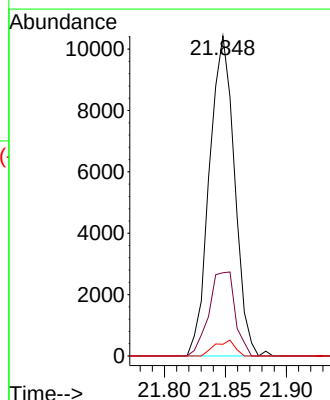
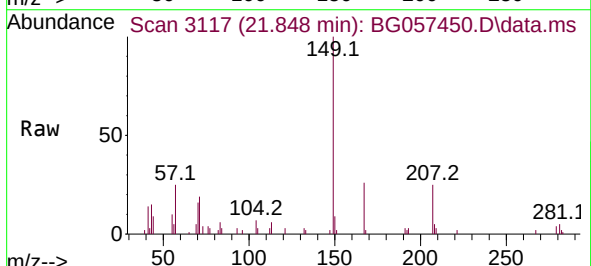
RT: 21.848 min Scan# 3117

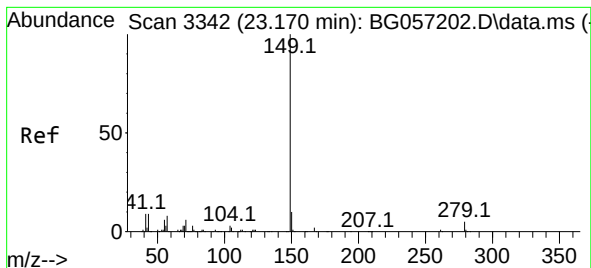
Delta R.T. -0.009 min

Lab File: BG057450.D

Acq: 17 May 2023 18:48

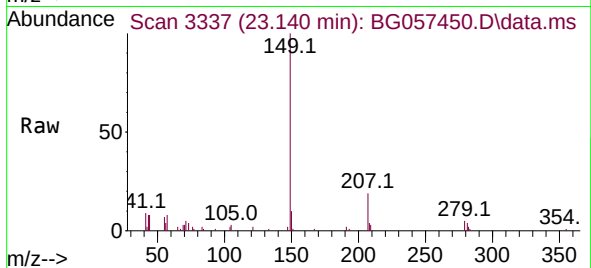
Tgt Ion:	149	Resp:	14957
Ion Ratio	Lower	Upper	
149	100		
167	26.0	21.2	31.8
279	3.6	3.5	5.3





#85
Di-n-octyl phthalate
Concen: 3.366 ng
RT: 23.140 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

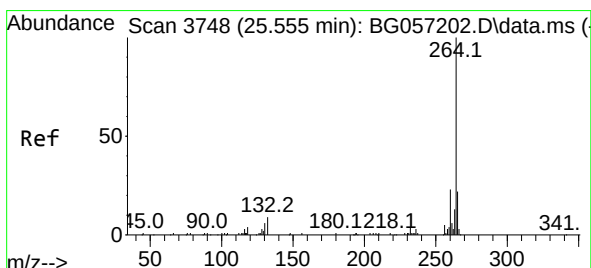
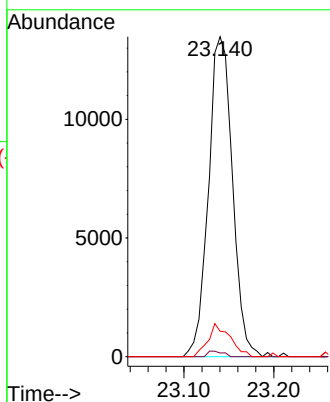
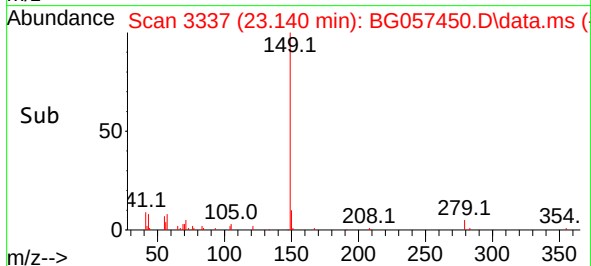
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:149 Resp: 25000
Ion Ratio Lower Upper
149 100
167 1.1 1.3 1.9
43 9.5 7.8 11.8

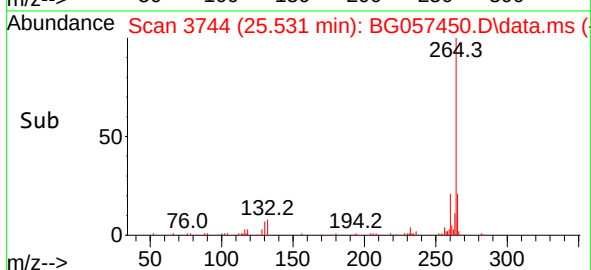
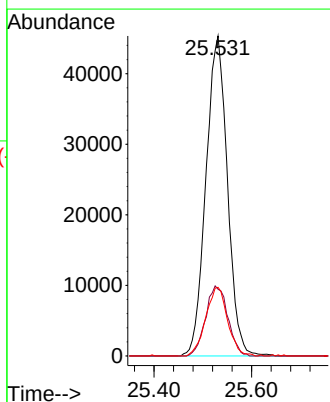
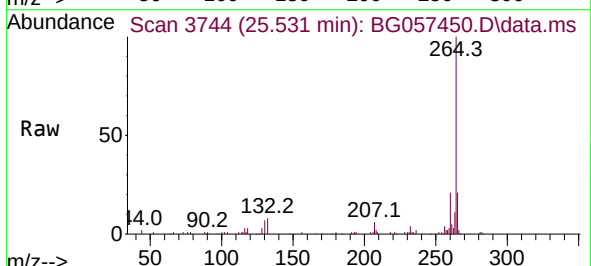
Manual Integrations
APPROVED

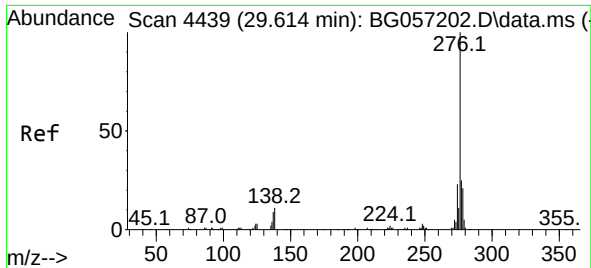
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.531 min Scan# 3744
Delta R.T. -0.003 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

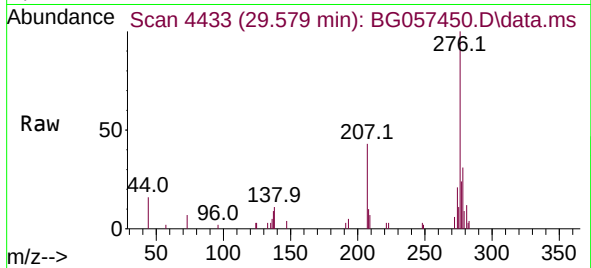
Tgt Ion:264 Resp: 138734
Ion Ratio Lower Upper
264 100
260 20.8 18.8 28.2
265 21.5 17.9 26.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.468 ng
RT: 29.579 min Scan# 4439
Delta R.T. -0.021 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

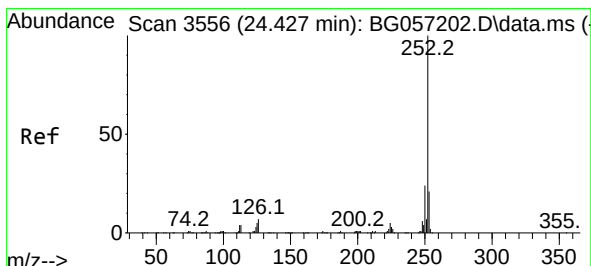
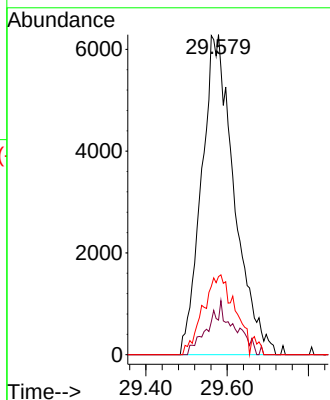
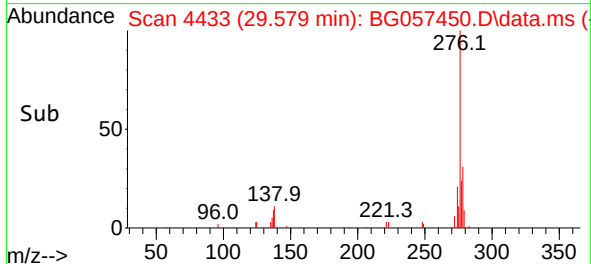
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



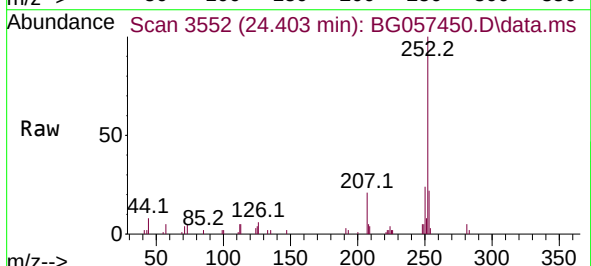
Tgt Ion: 276 Resp: 3506
Ion Ratio Lower Upper
276 100
138 11.1 5.4 8.0
277 24.1 20.6 30.8

Manual Integrations
APPROVED

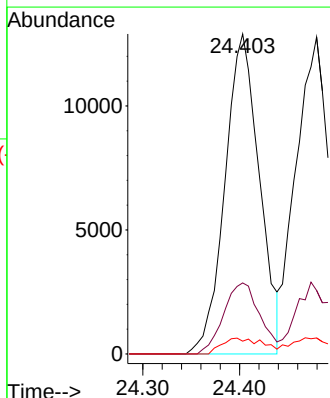
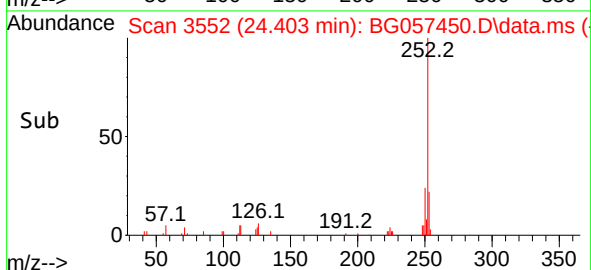
Reviewed By : Christian Giraldo 05/18/2023
Supervised By : Jagrut Upadhyay 05/18/2023

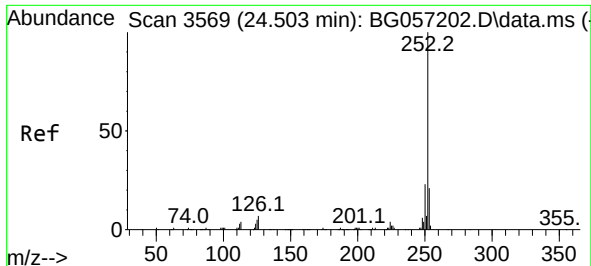


#88
Benzo(b)fluoranthene
Concen: 3.518 ng m
RT: 24.403 min Scan# 3552
Delta R.T. -0.009 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



Tgt Ion: 252 Resp: 31903
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 4.0 4.2 6.2





#89

Benzo(k)fluoranthene

Concen: 3.540 ng

RT: 24.480 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG057450.D

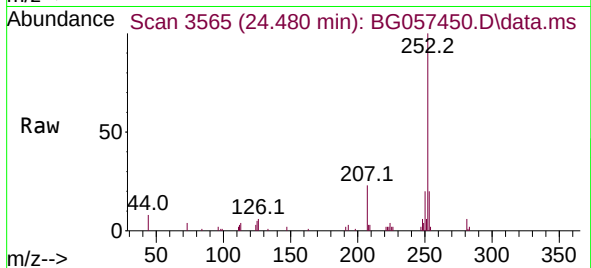
Acq: 17 May 2023 18:48

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2023



Tgt Ion:252 Resp: 32620

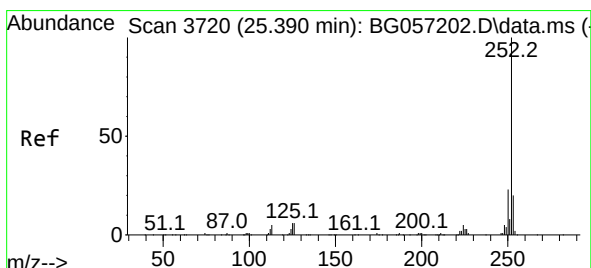
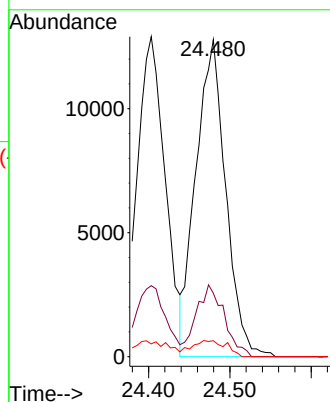
Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.4	26.0
125	5.1	4.1	6.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#90

Benzo(a)pyrene

Concen: 3.120 ng

RT: 25.361 min Scan# 3715

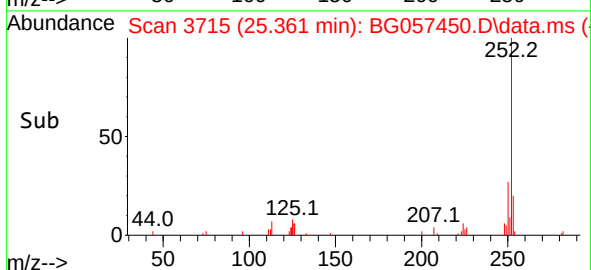
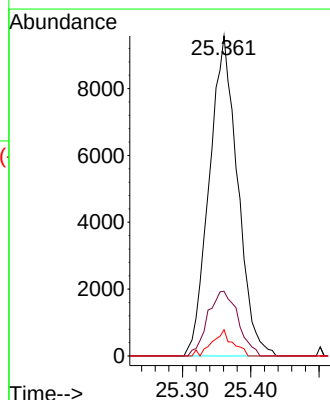
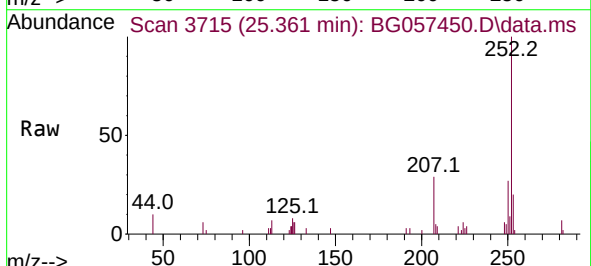
Delta R.T. -0.015 min

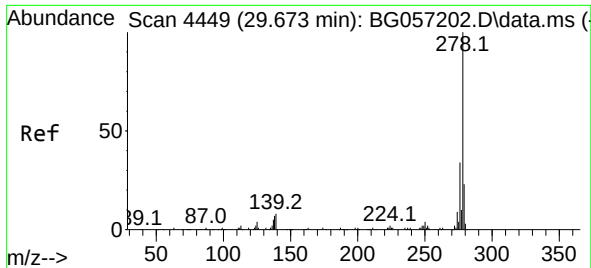
Lab File: BG057450.D

Acq: 17 May 2023 18:48

Tgt Ion:252 Resp: 27641

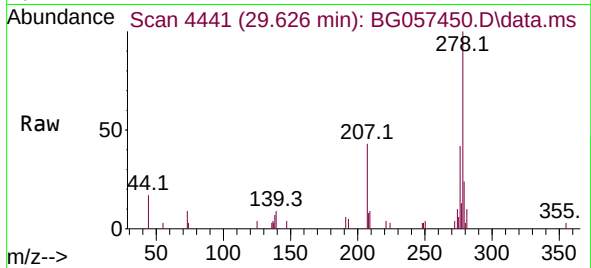
Ion	Ratio	Lower	Upper
252	100		
253	20.2	16.3	24.5
125	8.2	5.0	7.4





#91
Dibenzo(a,h)anthracene
Concen: 3.404 ng
RT: 29.626 min Scan# 4449
Delta R.T. -0.027 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48

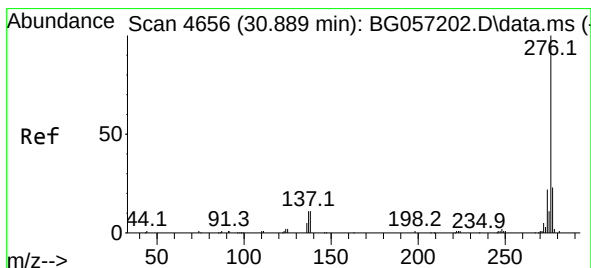
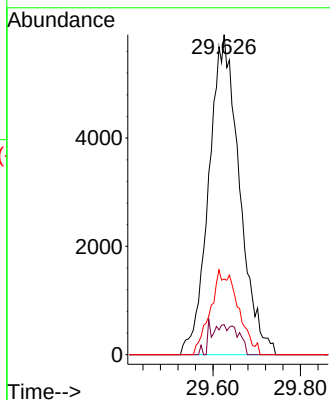
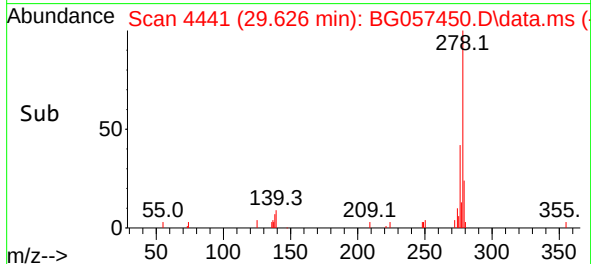
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023



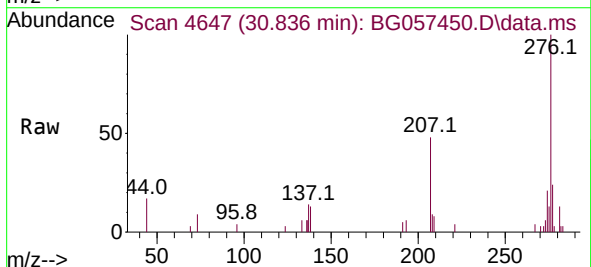
Tgt Ion: 278 Resp: 2866
Ion Ratio Lower Upper
278 100
139 9.4 6.2 9.2
279 23.6 18.6 27.8

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/18/2023
Supervised By : Jagrut Upadhyay 05/18/2023



#92
Benzo(g,h,i)perylene
Concen: 3.454 ng
RT: 30.836 min Scan# 4647
Delta R.T. -0.038 min
Lab File: BG057450.D
Acq: 17 May 2023 18:48



Tgt Ion: 276 Resp: 28398
Ion Ratio Lower Upper
276 100
277 24.5 18.4 27.6
138 12.6 9.0 13.4

