

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051723\
 Data File : BG057448.D
 Acq On : 17 May 2023 17:25
 Operator : CG/JU
 Sample : 02213-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

Quant Time: May 18 01:58:12 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

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)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	16904	20.000	ng	0.00
21) Naphthalene-d8	11.198	136	69348	20.000	ng	# 0.00
39) Acenaphthene-d10	14.975	164	57083	20.000	ng	0.00
64) Phenanthrene-d10	17.719	188	144166	20.000	ng	0.00
76) Chrysene-d12	22.025	240	135712	20.000	ng	0.00
86) Perylene-d12	25.526	264	148221	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.870	112	82728	83.717	ng	0.00
7) Phenol-d6	7.497	99	125765	83.810	ng	0.00
23) Nitrobenzene-d5	9.536	82	92622	56.057	ng	0.00
42) 2,4,6-Tribromophenol	16.462	330	72174	89.109	ng	0.00
45) 2-Fluorobiphenyl	13.601	172	254759	60.107	ng	0.00
79) Terphenyl-d14	20.286	244	471939	56.750	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.673	88	3035	7.428	ng	# 91
3) Pyridine	4.108	79	7934m	6.042	ng	
4) n-Nitrosodimethylamine	4.008	42	3563	5.774	ng	94
6) Aniline	7.668	93	13388	7.033	ng	96
8) 2-Chlorophenol	7.920	128	8231	7.883	ng	96
9) Benzaldehyde	7.486	77	12723	10.911	ng	100
10) Phenol	7.527	94	10518	7.190	ng	96
11) bis(2-Chloroethyl)ether	7.756	93	7512	6.810	ng	95
12) 1,3-Dichlorobenzene	8.243	146	8775	7.614	ng	93
13) 1,4-Dichlorobenzene	8.396	146	8767	7.573	ng	96
14) 1,2-Dichlorobenzene	8.719	146	8965	8.022	ng	98
15) Benzyl Alcohol	8.590	79	7714	6.171	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.878	45	9111	6.553	ng	98
17) 2-Methylphenol	8.796	107	7222	6.849	ng	89
18) Hexachloroethane	9.454	117	3199	7.658	ng	100
19) n-Nitroso-di-n-propyla...	9.154	70	7295	6.375	ng	# 97
20) 3+4-Methylphenols	9.130	107	10093	6.990	ng	95
22) Acetophenone	9.189	105	14051	7.079	ng	# 92
24) Nitrobenzene	9.583	77	11277	6.762	ng	95
25) Isophorone	10.094	82	20545	6.412	ng	99
26) 2-Nitrophenol	10.299	139	4670	7.316	ng	# 87
27) 2,4-Dimethylphenol	10.341	122	8272	7.400	ng	100
28) bis(2-Chloroethoxy)met...	10.576	93	11278	7.026	ng	99
29) 2,4-Dichlorophenol	10.846	162	8821	7.441	ng	97
30) 1,2,4-Trichlorobenzene	11.057	180	9955	7.280	ng	99
31) Naphthalene	11.245	128	26616	7.179	ng	96
32) Benzoic acid	10.487	122	2897m	8.770	ng	
33) 4-Chloroaniline	11.351	127	11623	6.981	ng	95
34) Hexachlorobutadiene	11.515	225	7621	7.511	ng	94
35) Caprolactam	12.097	113	2858	7.057	ng	# 85
36) 4-Chloro-3-methylphenol	12.449	107	9707	7.205	ng	99
37) 2-Methylnaphthalene	12.825	142	21020	7.211	ng	99
38) 1-Methylnaphthalene	13.043	142	19816m	7.212	ng	
40) 1,2,4,5-Tetrachloroben...	13.190	216	15265	7.533	ng	# 98
41) Hexachlorocyclopentadiene	13.166	237	1891	8.083	ng	94
43) 2,4,6-Trichlorophenol	13.425	196	8745	7.083	ng	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.507	196	9204	6.338	ng	95
46) 1,1'-Biphenyl	13.812	154	31020	7.323	ng	99
47) 2-Chloronaphthalene	13.865	162	23300	7.397	ng	98
48) 2-Nitroaniline	14.065	65	6658	6.217	ng	91
49) Acenaphthylene	14.705	152	36755	7.183	ng	97
50) Dimethylphthalate	14.406	163	31384	6.691	ng	97
51) 2,6-Dinitrotoluene	14.541	165	6751	7.049	ng	90
52) Acenaphthene	15.040	154	22611	7.071	ng	92
53) 3-Nitroaniline	14.881	138	6180	6.441	ng	83
54) 2,4-Dinitrophenol	15.105	184	1412	7.151	ng	95
55) Dibenzofuran	15.369	168	38143	7.099	ng	98
56) 4-Nitrophenol	15.187	139	6077	9.523	ng	# 77
57) 2,4-Dinitrotoluene	15.328	165	9774	7.141	ng	# 95
58) Fluorene	16.015	166	32377	7.316	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.598	232	8936	6.787	ng	# 96
60) Diethylphthalate	15.757	149	32425	6.807	ng	99
61) 4-Chlorophenyl-phenyle...	15.998	204	18780	7.044	ng	97
62) 4-Nitroaniline	16.033	138	6652	6.872	ng	# 85
63) Azobenzene	16.291	77	29355	6.387	ng	95
65) 4,6-Dinitro-2-methylph...	16.097	198	6035	7.012	ng	89
66) n-Nitrosodiphenylamine	16.209	169	27144	6.932	ng	100
67) 4-Bromophenyl-phenylether	16.891	248	12133	6.894	ng	94
68) Hexachlorobenzene	17.020	284	13073	7.644	ng	96
69) Atrazine	17.137	200	11785	7.890	ng	95
70) Pentachlorophenol	17.372	266	7467m	7.576	ng	
71) Phenanthrene	17.760	178	53524	7.245	ng	99
72) Anthracene	17.848	178	54114	7.139	ng	98
73) Carbazole	18.112	167	46047	7.216	ng	99
74) Di-n-butylphthalate	18.629	149	50473	6.874	ng	98
75) Fluoranthene	19.751	202	63374	6.898	ng	98
77) Benzidine	19.916	184	29899	9.855	ng	96
78) Pyrene	20.110	202	66018	6.694	ng	98
80) Butylbenzylphthalate	20.961	149	21270	6.798	ng	92
81) Benzo(a)anthracene	22.007	228	65912	6.817	ng	97
82) 3,3'-Dichlorobenzidine	21.901	252	25663	8.286	ng	99
83) Chrysene	22.078	228	60946	6.699	ng	97
84) Bis(2-ethylhexyl)phtha...	21.849	149	30506	6.589	ng	95
85) Di-n-octyl phthalate	23.147	149	51186	6.632	ng	99
87) Indeno(1,2,3-cd)pyrene	29.567	276	70830	6.557	ng	# 98
88) Benzo(b)fluoranthene	24.404	252	66636	6.877	ng	97
89) Benzo(k)fluoranthene	24.474	252	63777	6.478	ng	97
90) Benzo(a)pyrene	25.361	252	57811	6.107	ng	99
91) Dibenzo(a,h)anthracene	29.638	278	58876	6.544	ng	# 93
92) Benzo(g,h,i)perylene	30.854	276	57775	6.577	ng	# 97

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

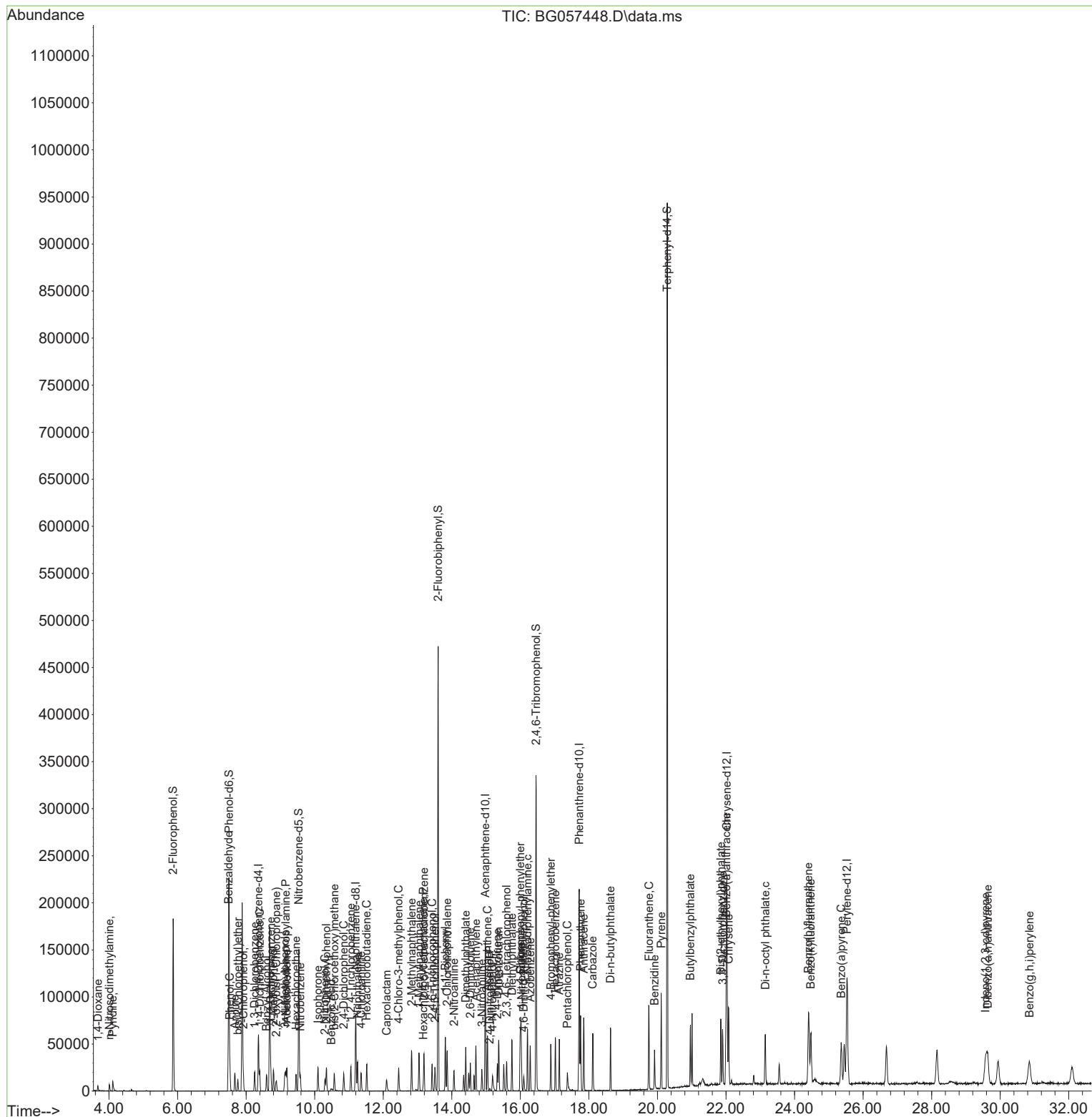
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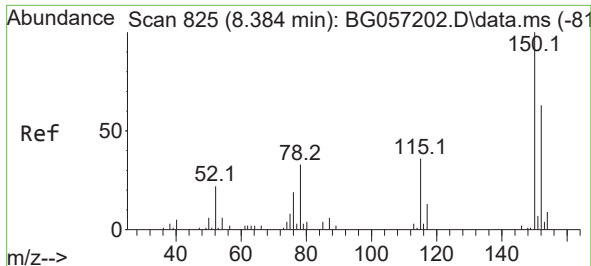
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ClientSampleId :
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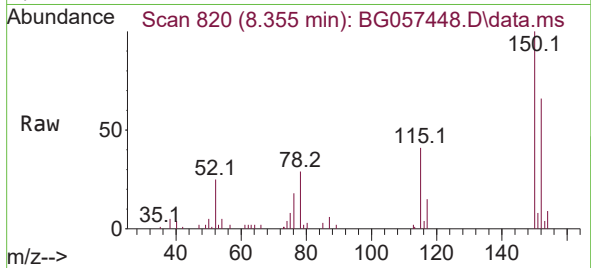
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

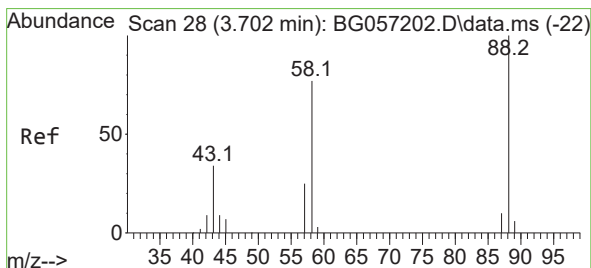
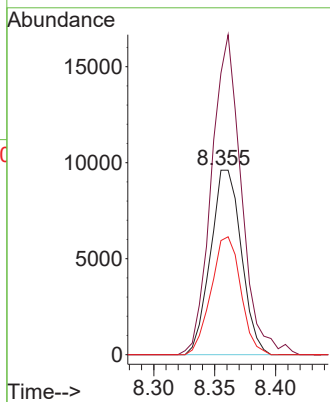
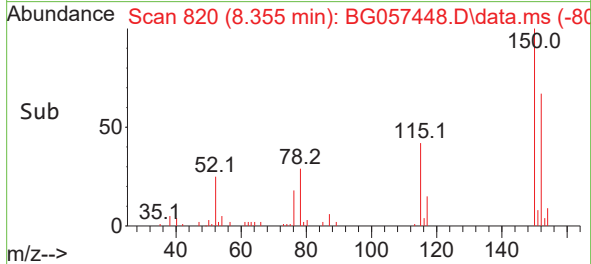
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:152 Resp: 16904
Ion Ratio Lower Upper
152 100
150 152.5 126.2 189.4
115 61.8 45.0 67.4

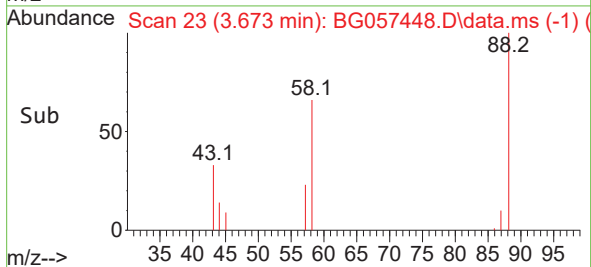
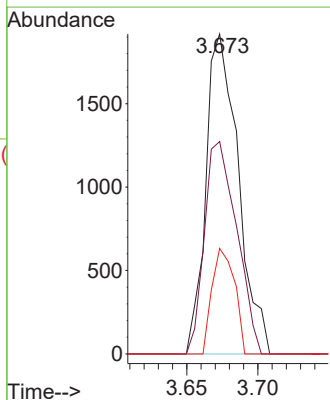
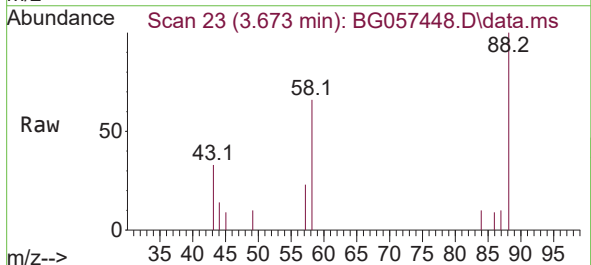
Manual Integrations
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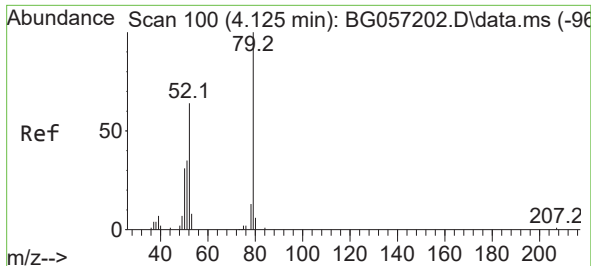
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#2
1,4-Dioxane
Concen: 7.428 ng
RT: 3.673 min Scan# 23
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

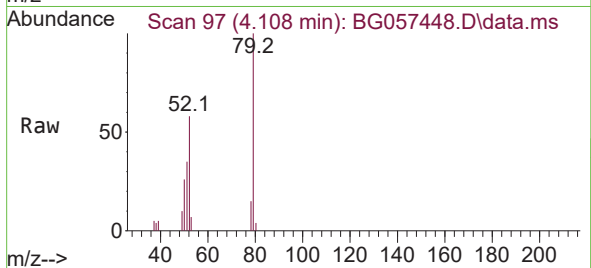
Tgt Ion: 88 Resp: 3035
Ion Ratio Lower Upper
88 100
58 66.3 57.1 85.7
43 22.9 24.4 36.6#





#3
Pyridine
Concen: 6.042 ng m
RT: 4.108 min Scan# 91
Delta R.T. 0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

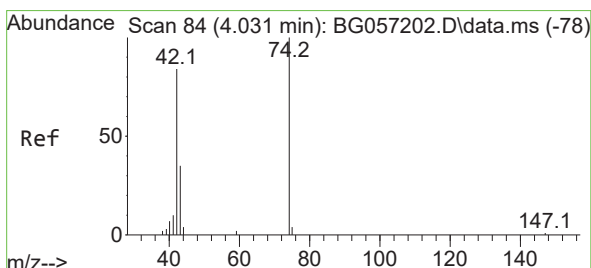
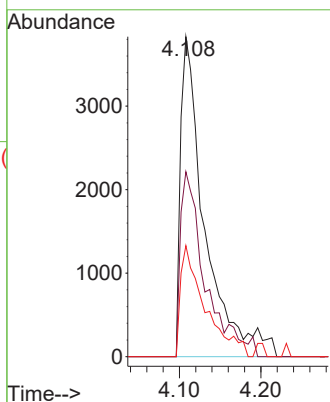
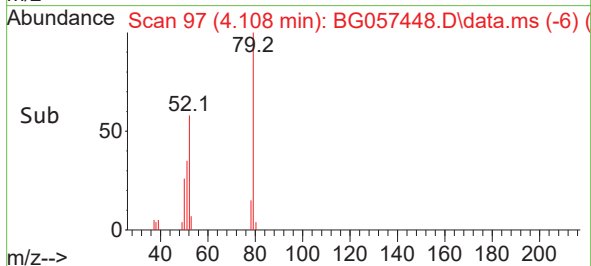
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 79 Resp: 7934
Ion Ratio Lower Upper
79 100
52 57.8 51.4 77.0
51 34.7 28.0 42.0

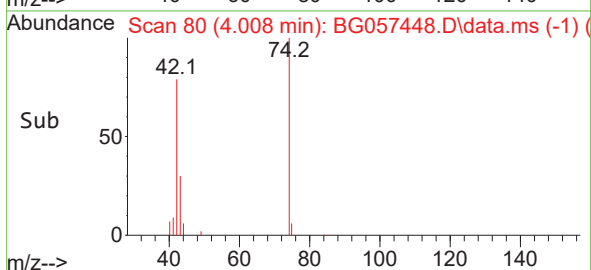
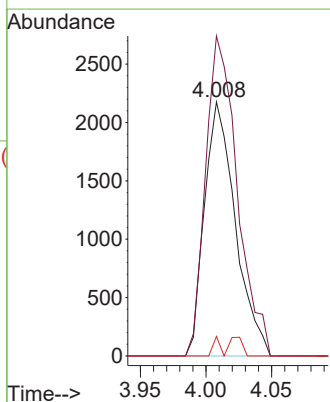
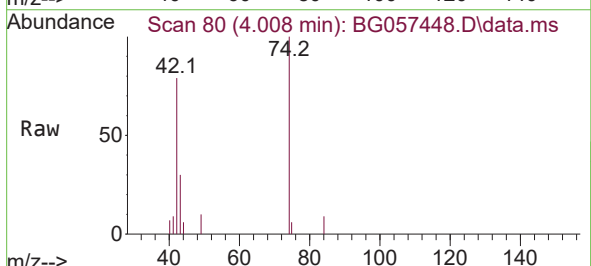
Manual Integrations
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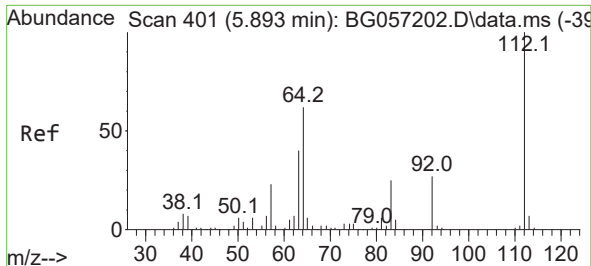
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#4
n-Nitrosodimethylamine
Concen: 5.774 ng
RT: 4.008 min Scan# 80
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

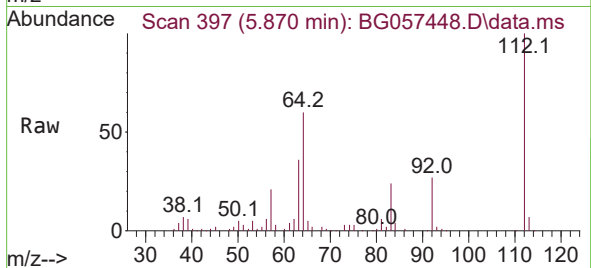
Tgt Ion: 42 Resp: 3563
Ion Ratio Lower Upper
42 100
74 125.9 95.1 142.7
44 7.7 5.8 8.8





#5
2-Fluorophenol
Concen: 83.717 ng
RT: 5.870 min Scan# 397
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

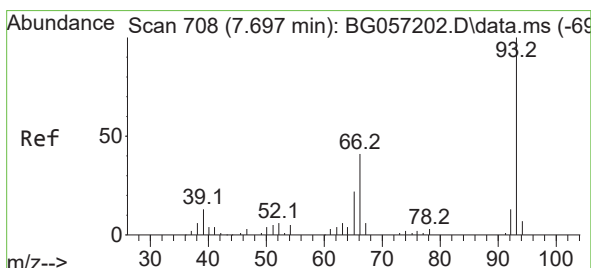
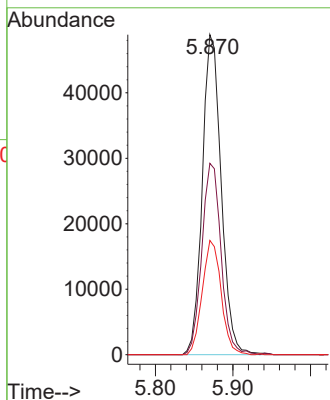
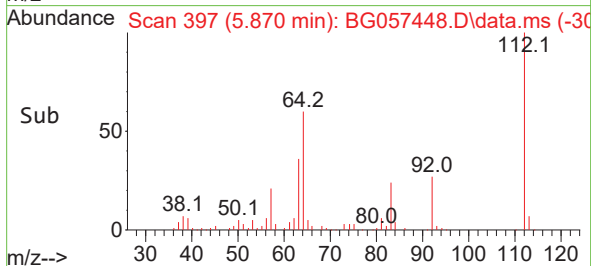
Instrument :
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ClientSampleId :
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Tgt Ion:112 Resp: 82728
Ion Ratio Lower Upper
112 100
64 59.8 49.4 74.2
63 35.7 31.6 47.4

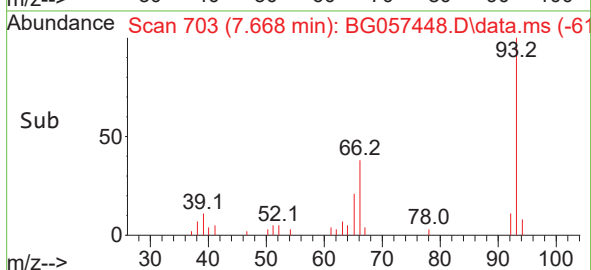
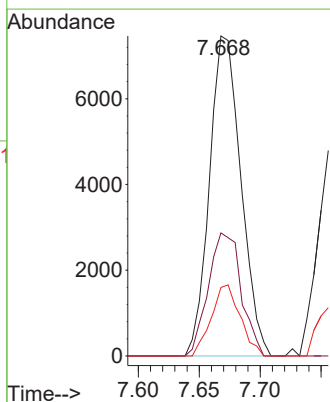
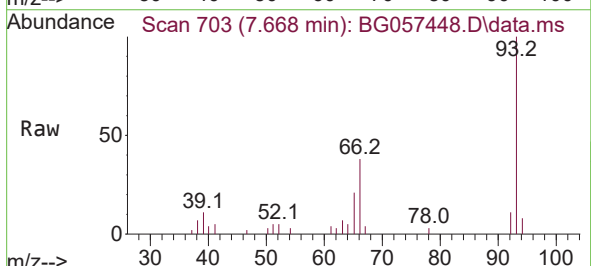
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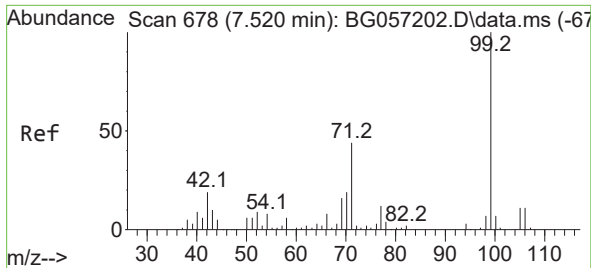
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#6
Aniline
Concen: 7.033 ng
RT: 7.668 min Scan# 703
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

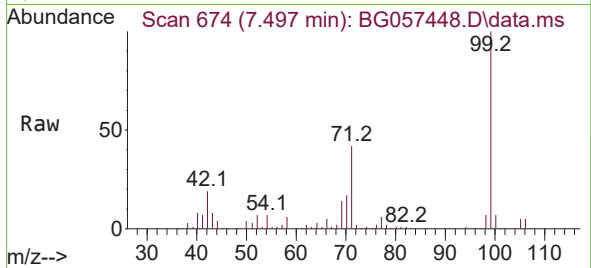
Tgt Ion: 93 Resp: 13388
Ion Ratio Lower Upper
93 100
66 38.4 33.0 49.6
65 21.4 18.0 27.0





#7
Phenol-d6
Concen: 83.810 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057448.D
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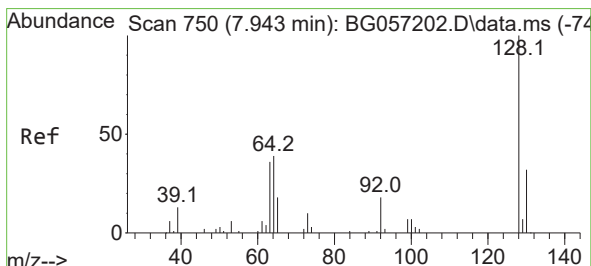
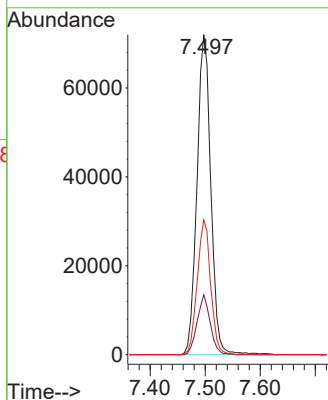
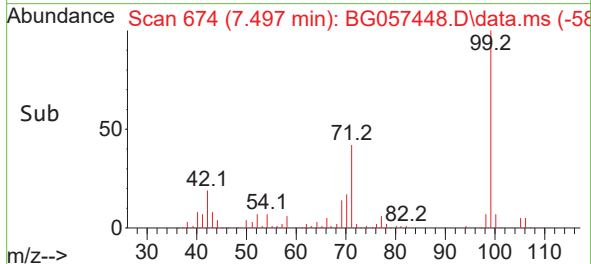
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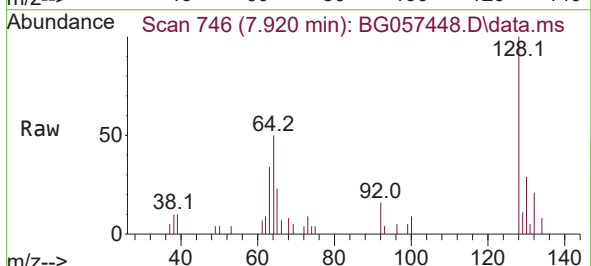
Tgt Ion: 99 Resp: 12576
Ion Ratio Lower Upper
99 100
42 18.7 15.1 22.7
71 42.1 35.2 52.8

Manual Integrations
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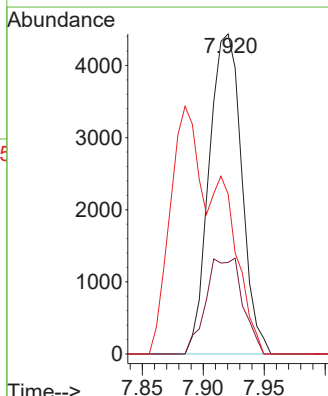
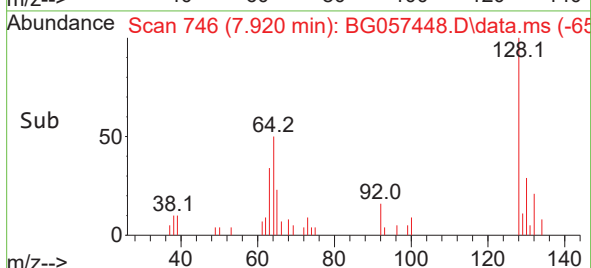
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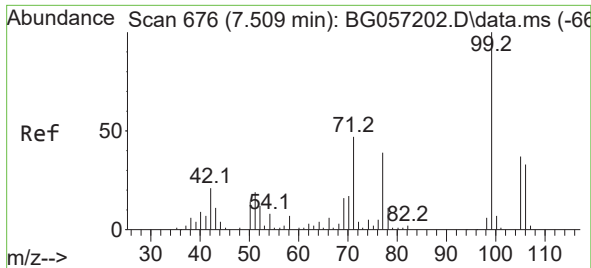


#8
2-Chlorophenol
Concen: 7.883 ng
RT: 7.920 min Scan# 746
Delta R.T. -0.003 min
Lab File: BG057448.D
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Tgt Ion:128 Resp: 8231
Ion Ratio Lower Upper
128 100
130 28.6 12.2 52.2
64 50.0 28.4 68.4





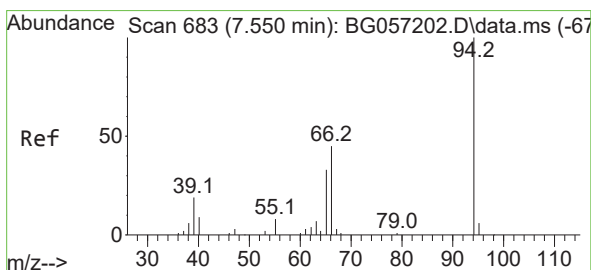
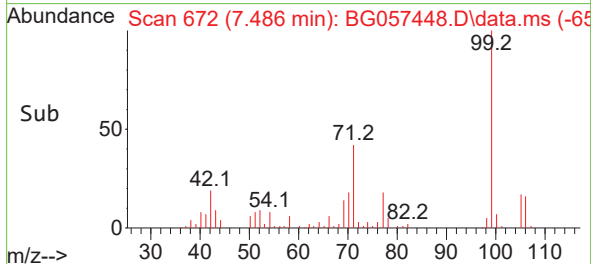
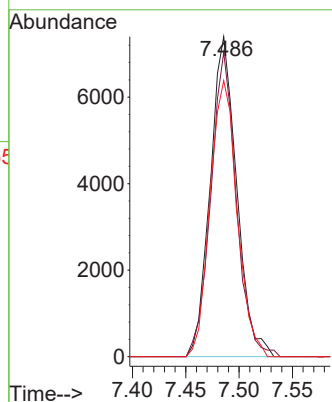
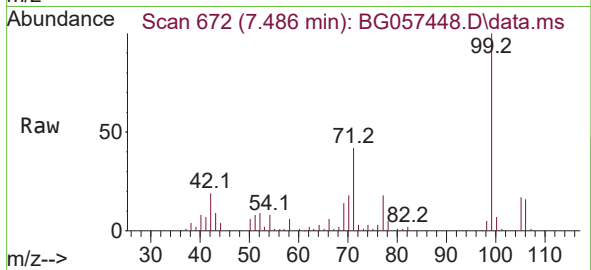
#9
Benzaldehyde
Concen: 10.911 ng
RT: 7.486 min Scan# 612
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 77 Resp: 1272
Ion Ratio Lower Upper
77 100
105 95.1 74.6 114.6
106 86.3 66.3 106.3

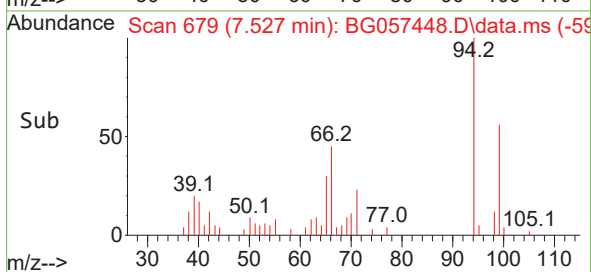
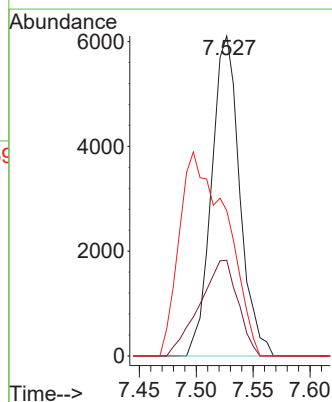
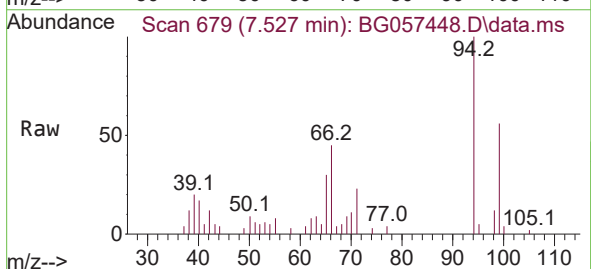
Manual Integrations
APPROVED

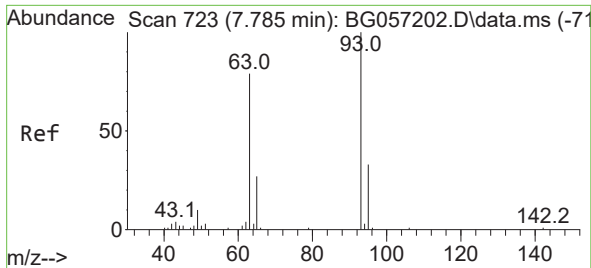
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#10
Phenol
Concen: 7.190 ng
RT: 7.527 min Scan# 679
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

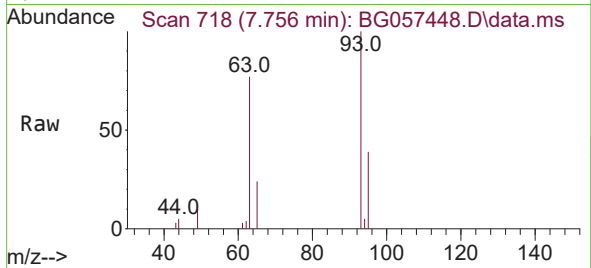
Tgt Ion: 94 Resp: 10518
Ion Ratio Lower Upper
94 100
65 29.9 13.5 53.5
66 45.4 26.7 66.7





#11
bis(2-Chloroethyl)ether
Concen: 6.810 ng
RT: 7.756 min Scan# 718
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

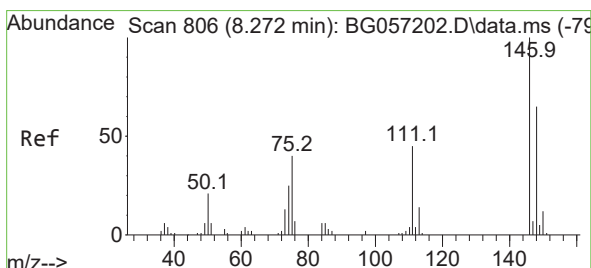
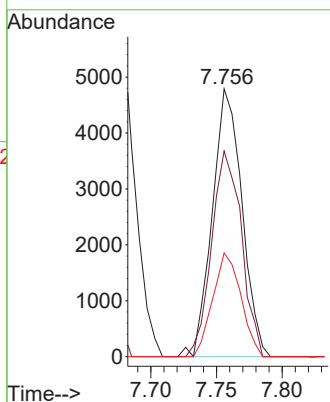
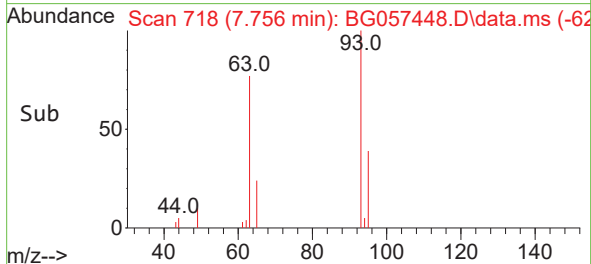
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 93 Resp: 7512
Ion Ratio Lower Upper
93 100
63 76.8 58.6 98.6
95 38.7 12.2 52.2

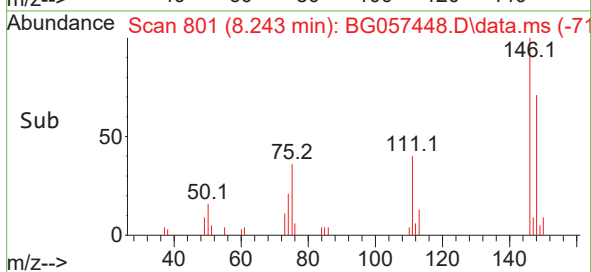
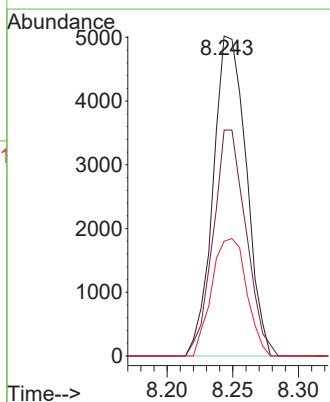
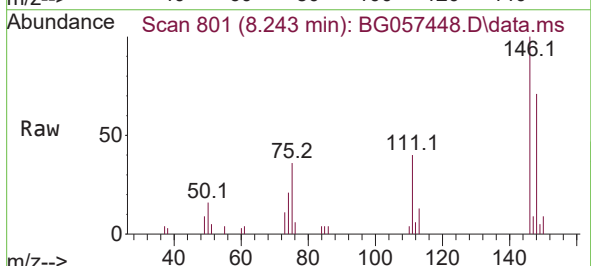
Manual Integrations
APPROVED

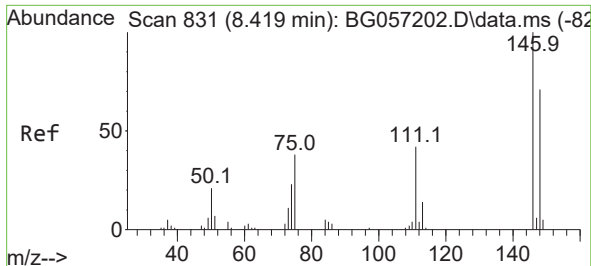
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#12
1,3-Dichlorobenzene
Concen: 7.614 ng
RT: 8.243 min Scan# 801
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

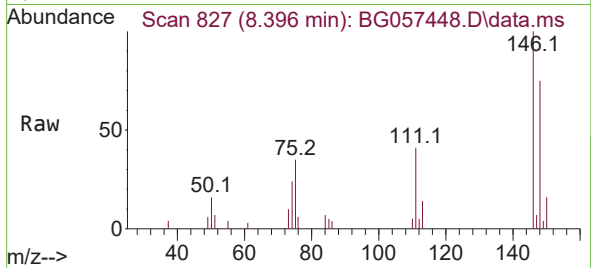
Tgt Ion:146 Resp: 8775
Ion Ratio Lower Upper
146 100
148 70.6 52.2 78.2
75 35.8 31.7 47.5





#13
1,4-Dichlorobenzene
Concen: 7.573 ng
RT: 8.396 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

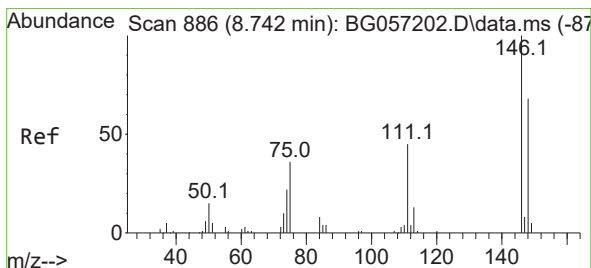
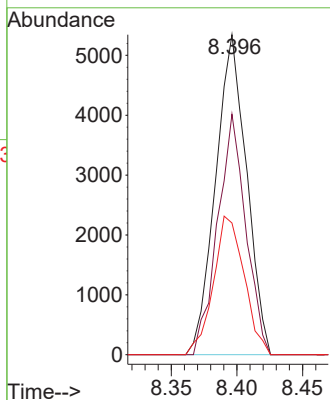
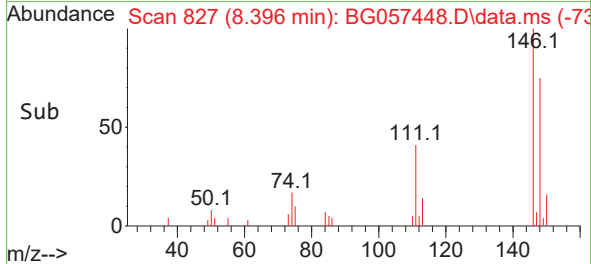
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



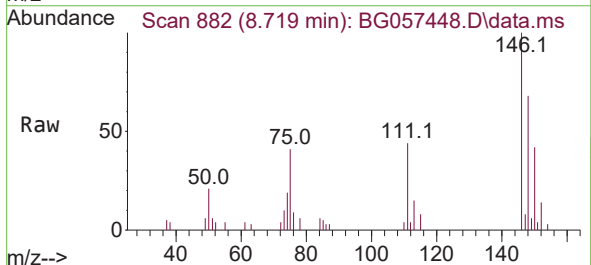
Tgt Ion:146 Resp: 876
Ion Ratio Lower Upper
146 100
148 75.1 56.4 84.6
111 41.1 33.8 50.6

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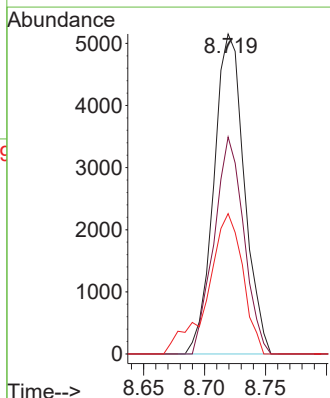
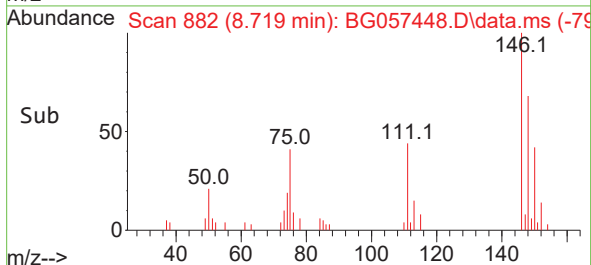
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

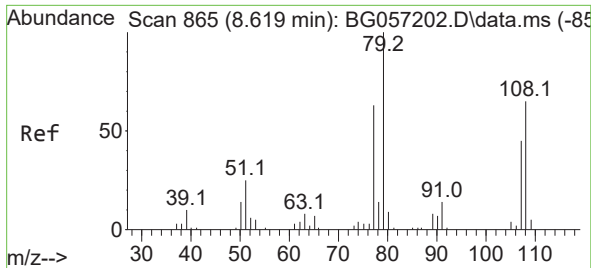


#14
1,2-Dichlorobenzene
Concen: 8.022 ng
RT: 8.719 min Scan# 882
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25



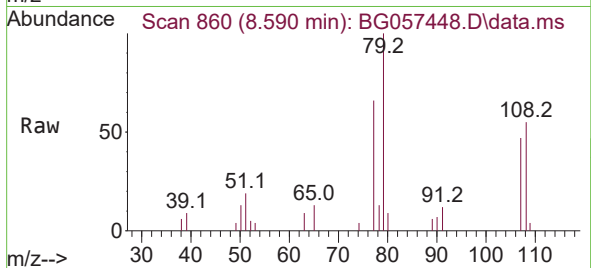
Tgt Ion:146 Resp: 8965
Ion Ratio Lower Upper
146 100
148 67.8 54.6 82.0
111 43.9 37.2 55.8





#15
Benzyl Alcohol
Concen: 6.171 ng
RT: 8.590 min Scan# 80
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

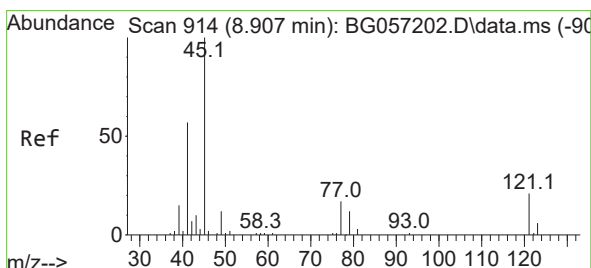
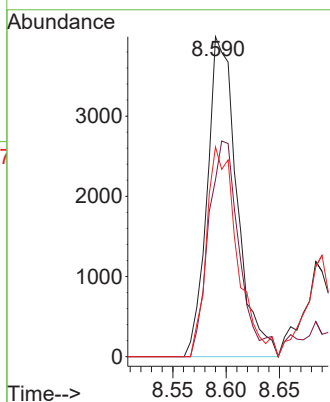
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 79	Resp: 771
Ion Ratio	Lower Upper
79 100	
108 55.3	52.2 78.2
77 65.6	50.1 75.1

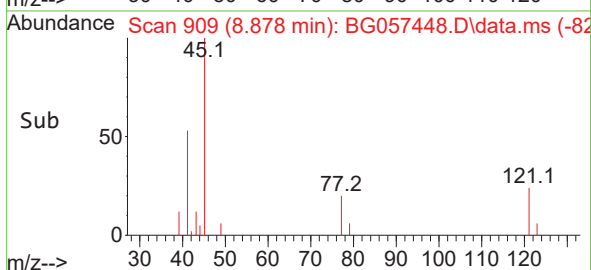
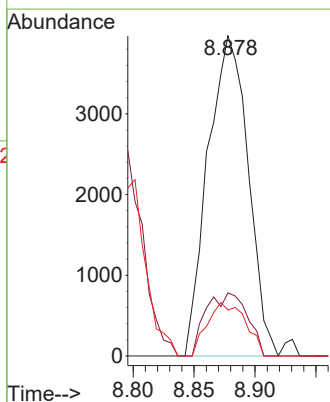
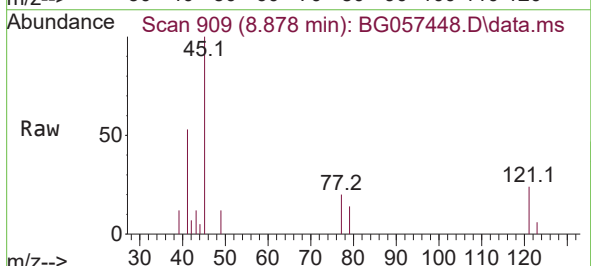
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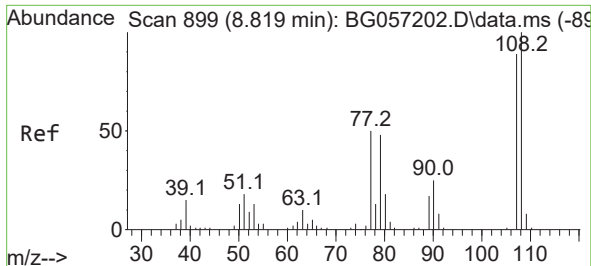
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.553 ng
RT: 8.878 min Scan# 909
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

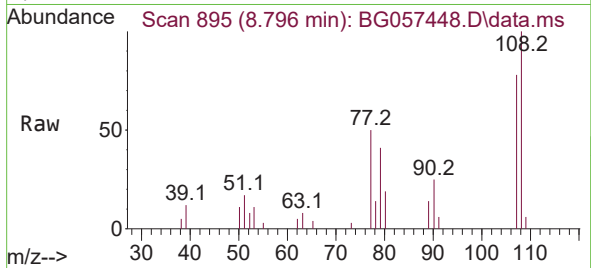
Tgt Ion: 45	Resp: 9111
Ion Ratio	Lower Upper
45 100	
77 19.7	0.0 38.5
79 14.4	0.0 33.8





#17
2-Methylphenol
Concen: 6.849 ng
RT: 8.796 min Scan# 899
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

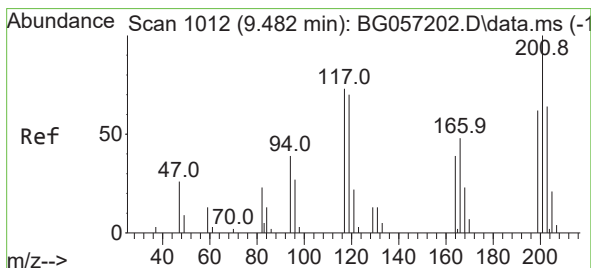
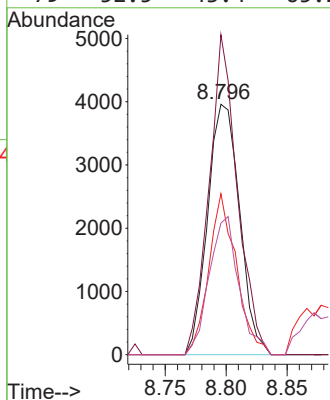
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion	Ratio	Lower	Upper
107	100		
108	127.8	89.5	134.3
77	64.3	45.1	67.7
79	52.5	43.4	65.2

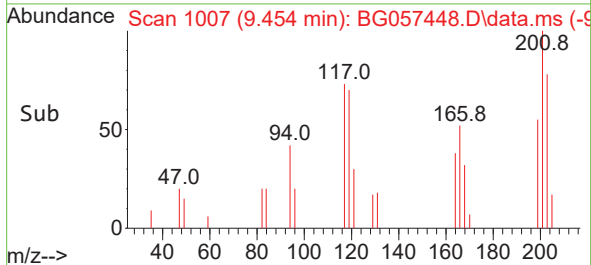
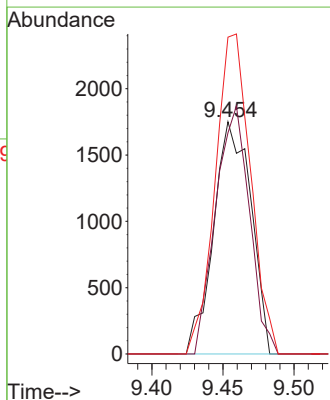
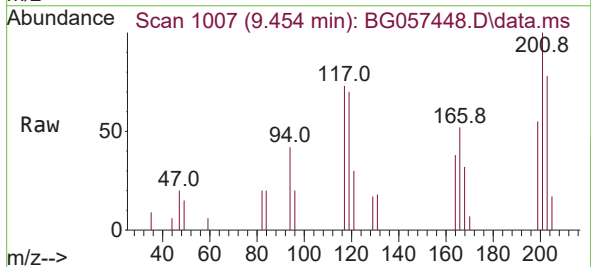
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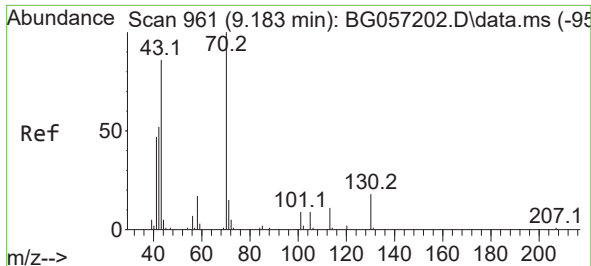
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#18
Hexachloroethane
Concen: 7.658 ng
RT: 9.454 min Scan# 1007
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

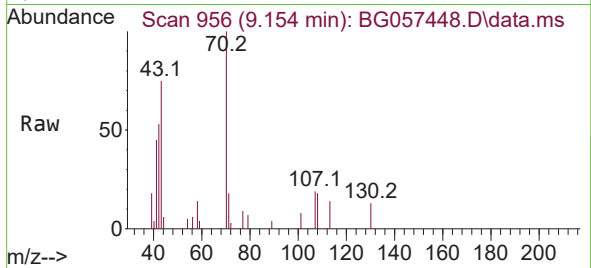
Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.7	115.1
201	136.4	109.0	163.4





#19
n-Nitroso-di-n-propylamine
Concen: 6.375 ng
RT: 9.154 min Scan# 91
Delta R.T. -0.014 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

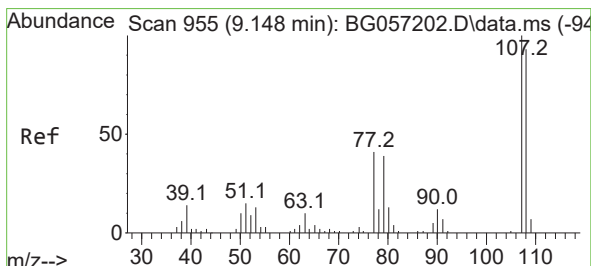
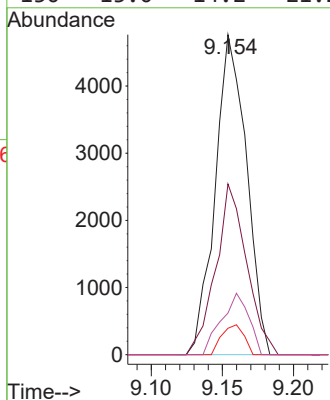
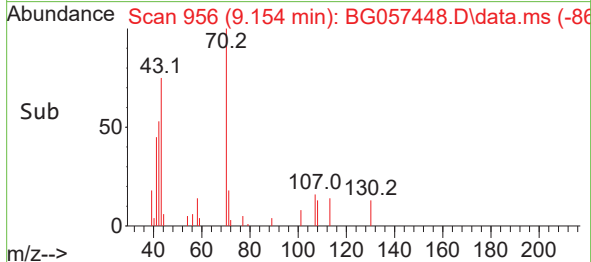
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 70 Resp: 729
Ion Ratio Lower Upper
70 100
42 53.3 41.8 62.8
101 8.2 6.8 10.2
130 13.0 14.2 21.2#

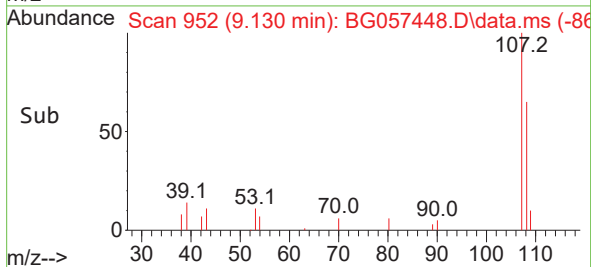
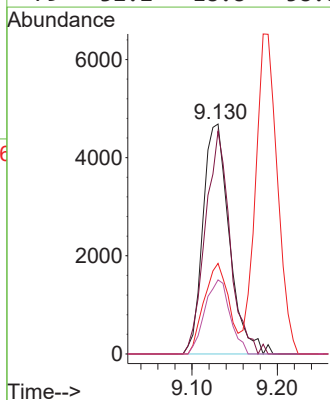
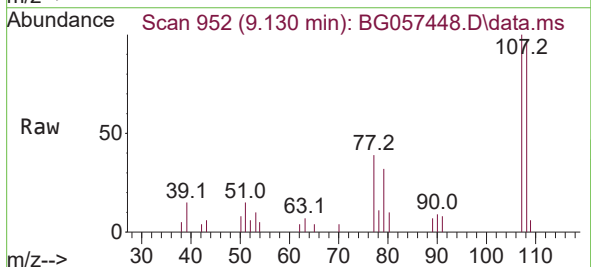
Manual Integrations
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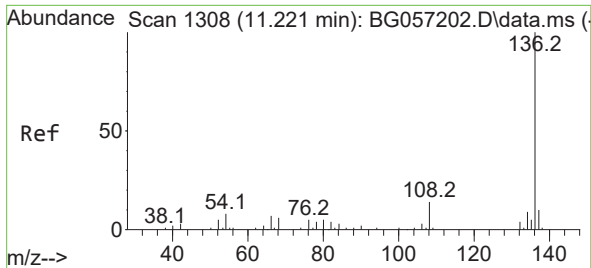
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#20
3+4-Methylphenols
Concen: 6.990 ng
RT: 9.130 min Scan# 952
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

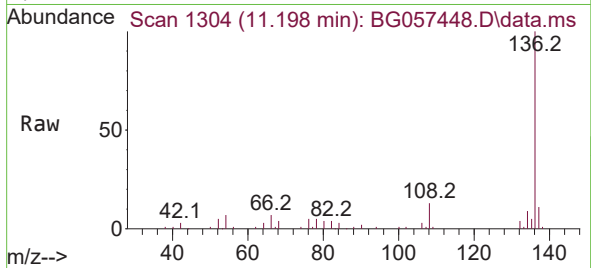
Tgt Ion:107 Resp: 10093
Ion Ratio Lower Upper
107 100
108 96.9 73.5 113.5
77 39.4 21.1 61.1
79 32.2 18.8 58.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.198 min Scan# 1119
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

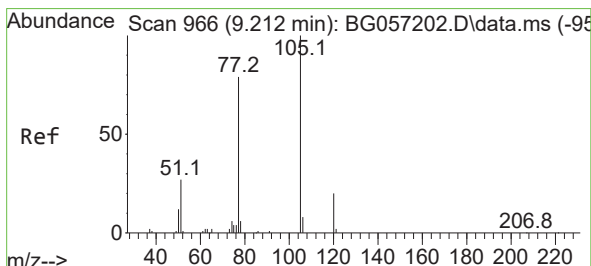
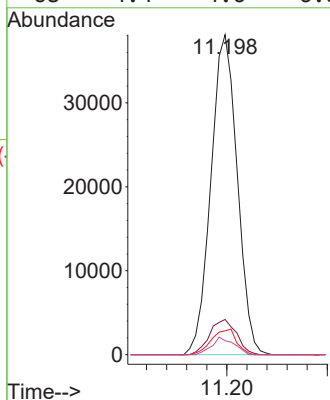
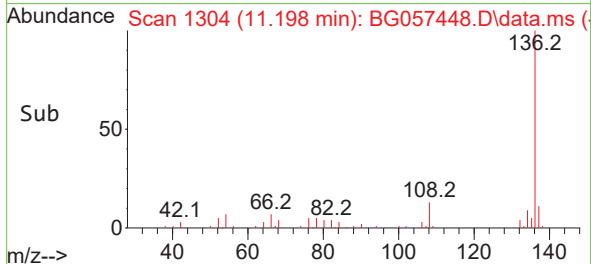
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:136 Resp: 69348
Ion Ratio Lower Upper
136 100
137 11.0 8.3 12.5
54 7.4 6.7 10.1
68 4.4 4.6 6.8#

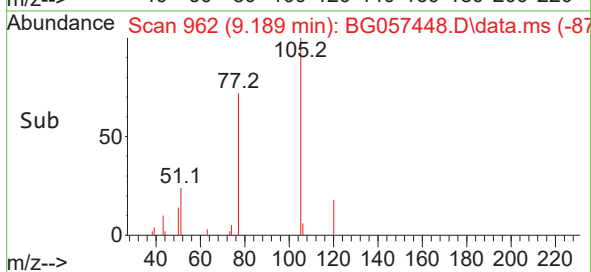
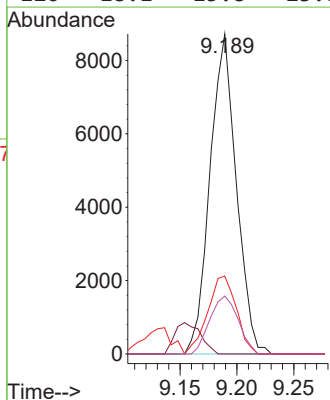
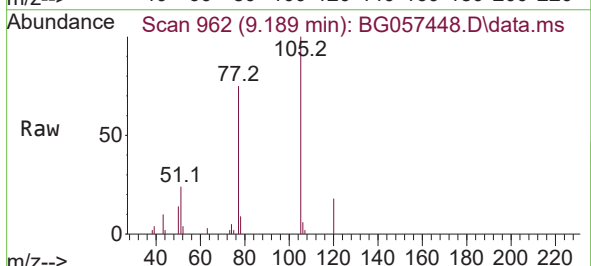
Manual Integrations
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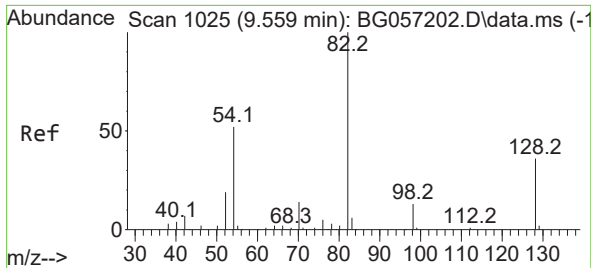
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#22
Acetophenone
Concen: 7.079 ng
RT: 9.189 min Scan# 962
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:105 Resp: 14051
Ion Ratio Lower Upper
105 100
71 0.0 0.4 0.6#
51 24.3 24.0 36.0
120 18.1 15.8 23.8





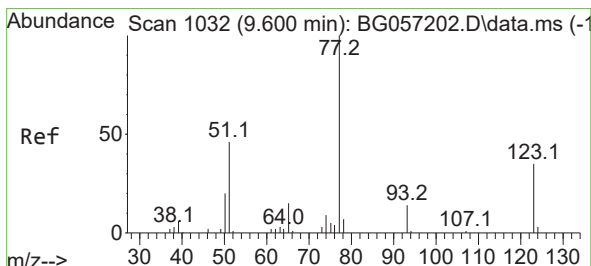
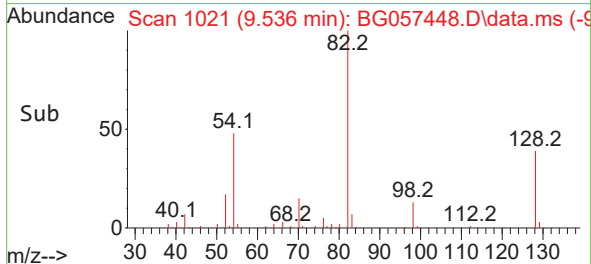
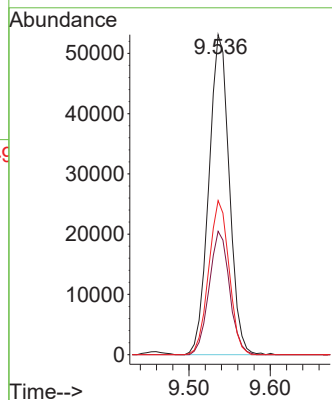
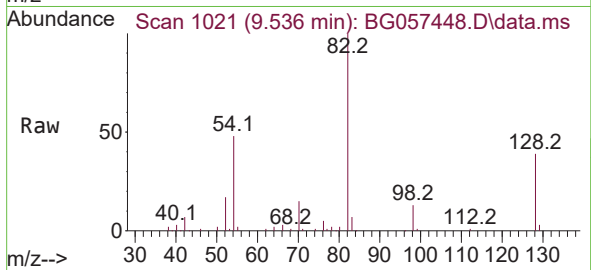
#23
Nitrobenzene-d5
Concen: 56.057 ng
RT: 9.536 min Scan# 1021
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion: 82 Resp: 9262
Ion Ratio Lower Upper
82 100
128 38.5 29.0 43.4
54 48.1 41.4 62.0

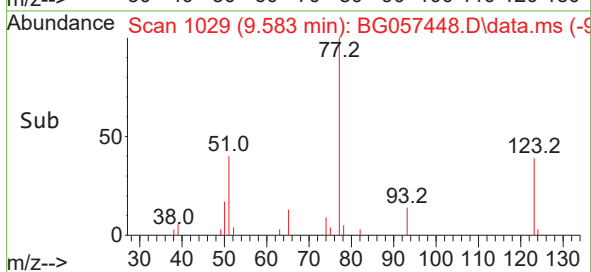
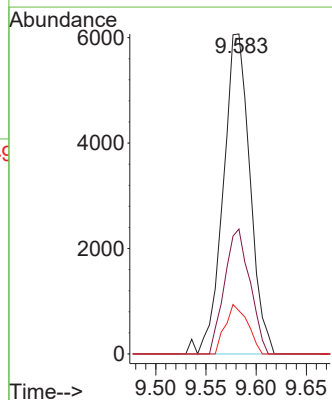
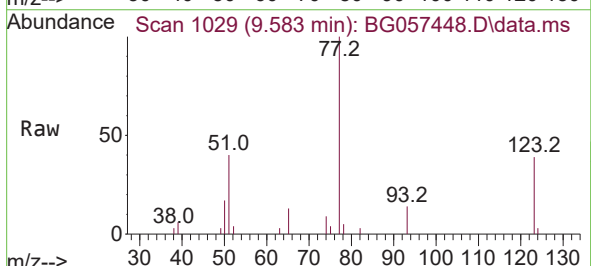
Manual Integrations
APPROVED

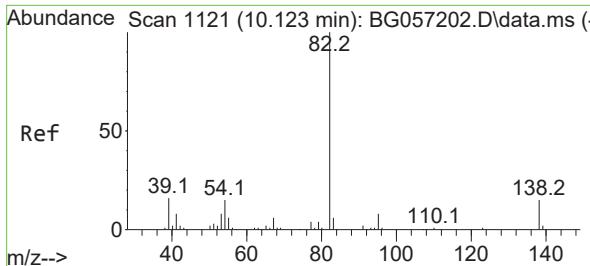
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#24
Nitrobenzene
Concen: 6.762 ng
RT: 9.583 min Scan# 1029
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

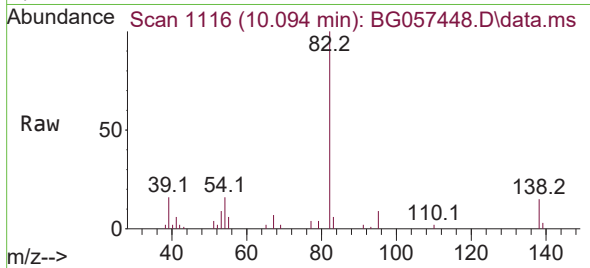
Tgt Ion: 77 Resp: 11277
Ion Ratio Lower Upper
77 100
123 39.0 28.2 42.2
65 13.5 11.7 17.5





#25
Isophorone
Concen: 6.412 ng
RT: 10.094 min Scan# 1116
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

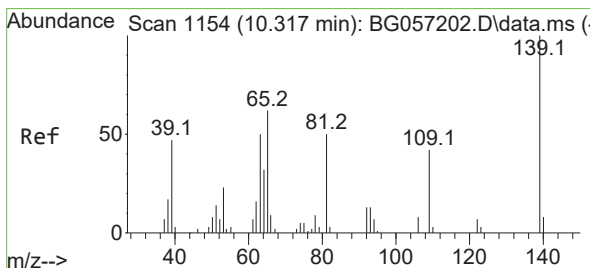
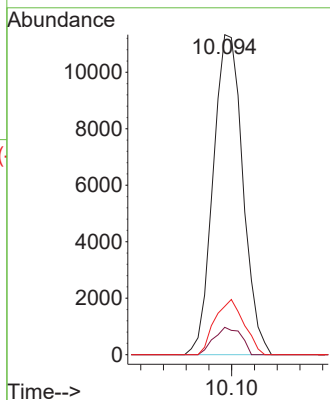
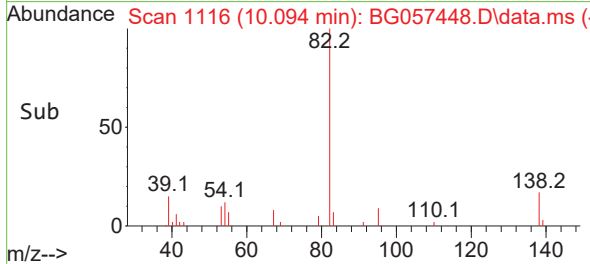
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 82 Resp: 2054
Ion Ratio Lower Upper
82 100
95 8.5 6.4 9.6
138 15.1 12.3 18.5

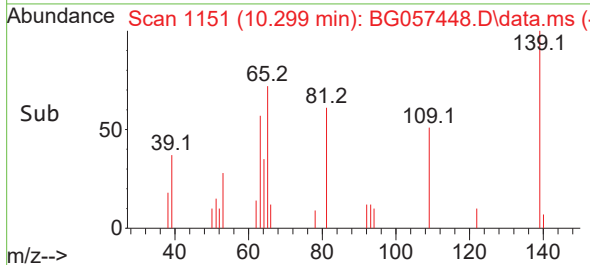
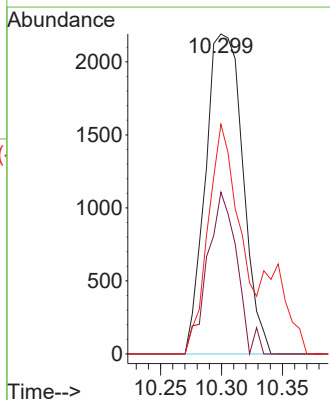
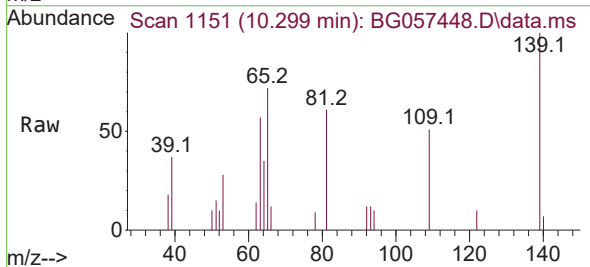
Manual Integrations
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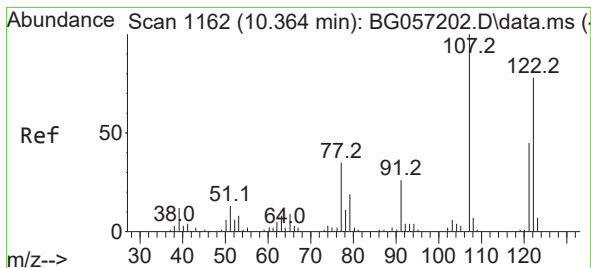
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#26
2-Nitrophenol
Concen: 7.316 ng
RT: 10.299 min Scan# 1151
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

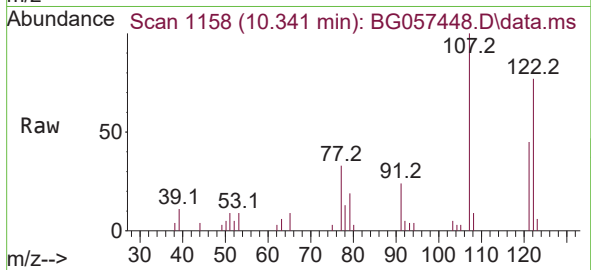
Tgt Ion:139 Resp: 4670
Ion Ratio Lower Upper
139 100
109 50.6 33.4 50.2#
65 71.7 49.8 74.6





#27
2,4-Dimethylphenol
Concen: 7.400 ng
RT: 10.341 min Scan# 1162
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

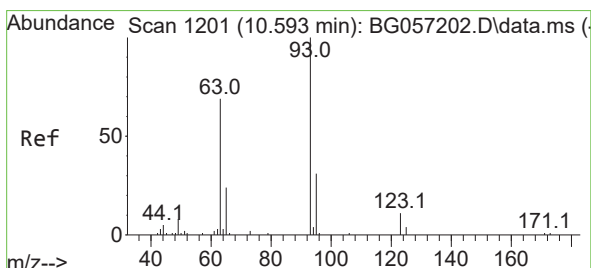
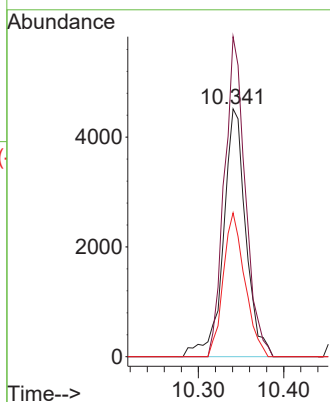
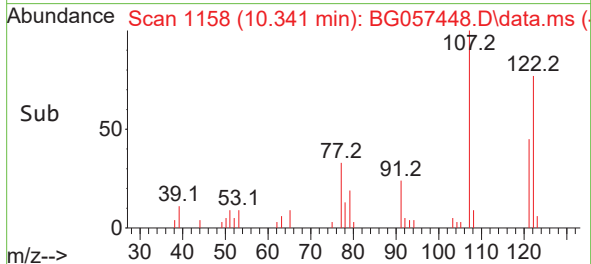
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:122 Resp: 827
Ion Ratio Lower Upper
122 100
107 129.1 103.0 154.4
121 58.0 45.9 68.9

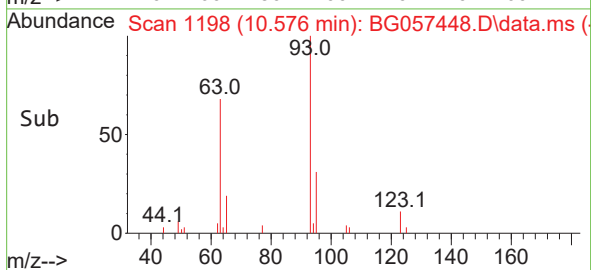
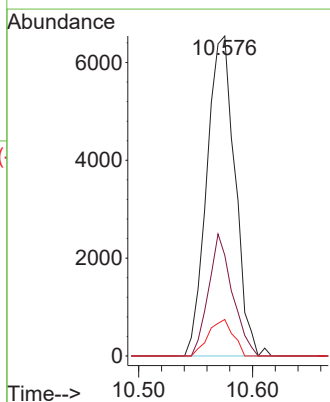
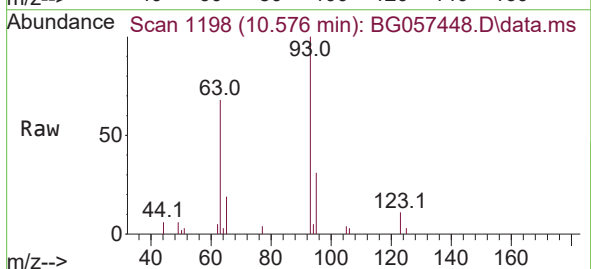
Manual Integrations
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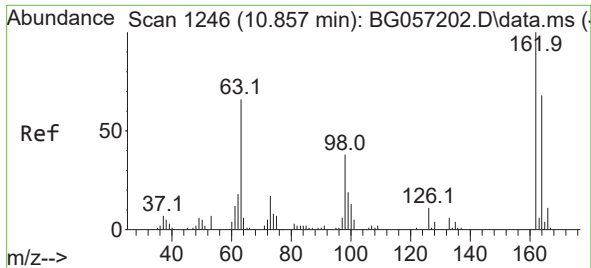
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#28
bis(2-Chloroethoxy)methane
Concen: 7.026 ng
RT: 10.576 min Scan# 1198
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

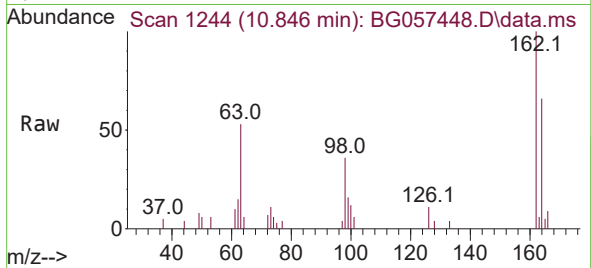
Tgt Ion: 93 Resp: 11278
Ion Ratio Lower Upper
93 100
95 31.5 25.0 37.6
123 11.4 8.5 12.7





#29
2,4-Dichlorophenol
Concen: 7.441 ng
RT: 10.846 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

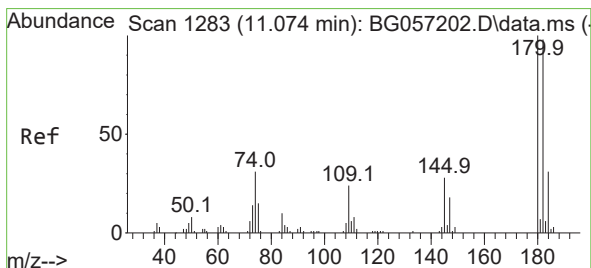
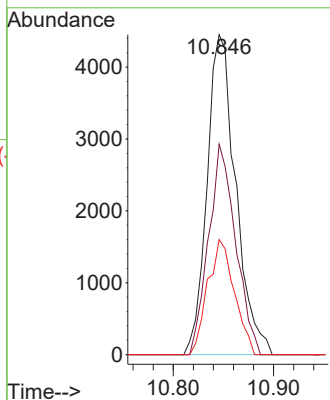
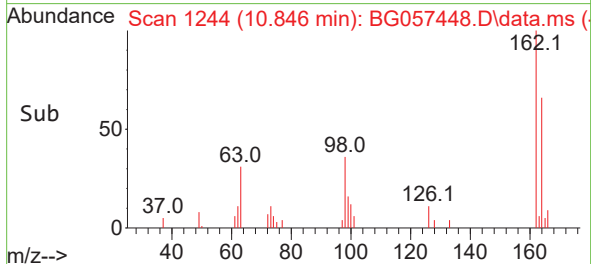
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:162 Resp: 882
Ion Ratio Lower Upper
162 100
164 65.8 48.4 88.4
98 35.9 17.6 57.6

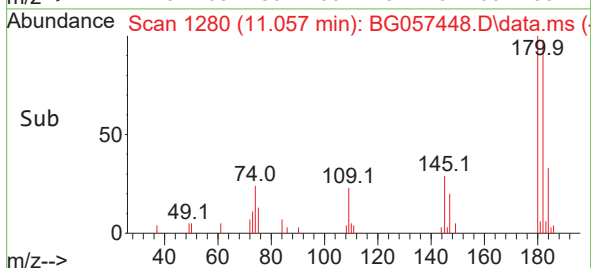
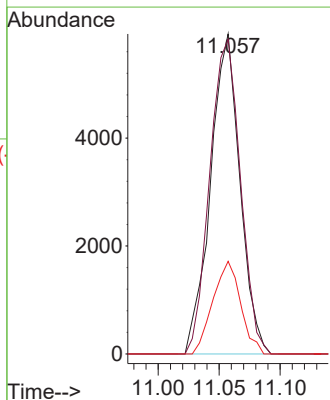
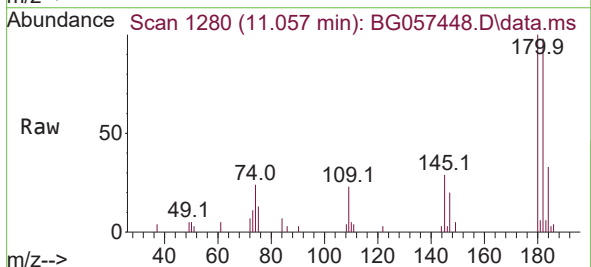
Manual Integrations
APPROVED

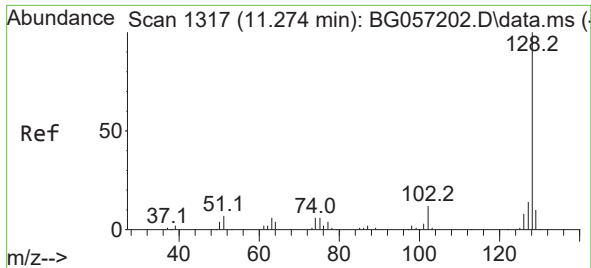
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#30
1,2,4-Trichlorobenzene
Concen: 7.280 ng
RT: 11.057 min Scan# 1280
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

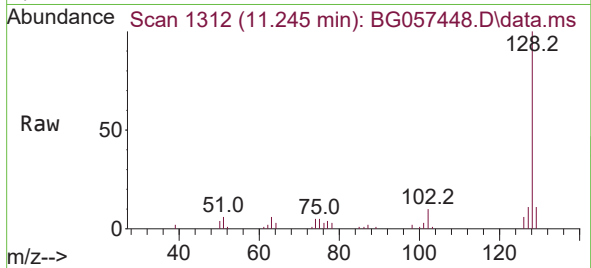
Tgt Ion:180 Resp: 9955
Ion Ratio Lower Upper
180 100
182 98.3 78.0 117.0
145 29.0 22.4 33.6





#31
Naphthalene
Concen: 7.179 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

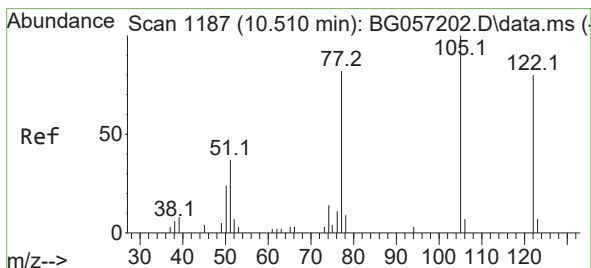
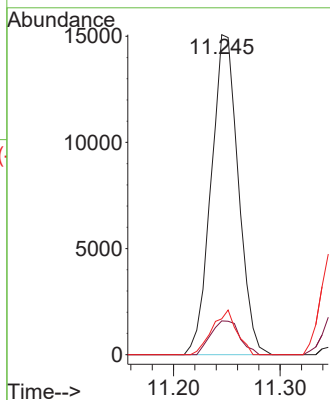
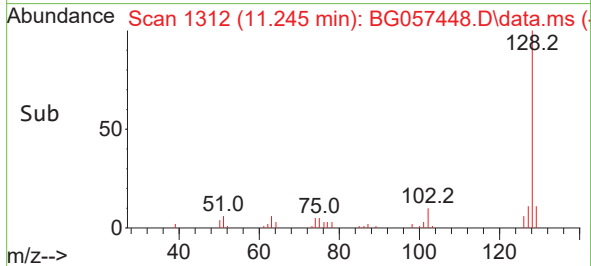
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



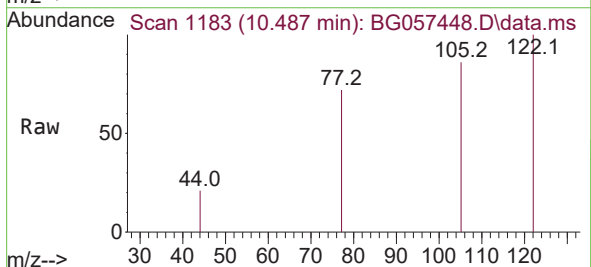
Tgt Ion:128 Resp: 26610
Ion Ratio Lower Upper
128 100
129 10.6 8.3 12.5
127 11.2 11.1 16.7

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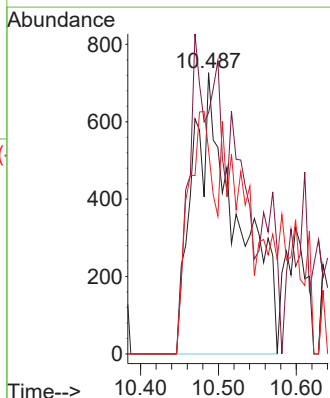
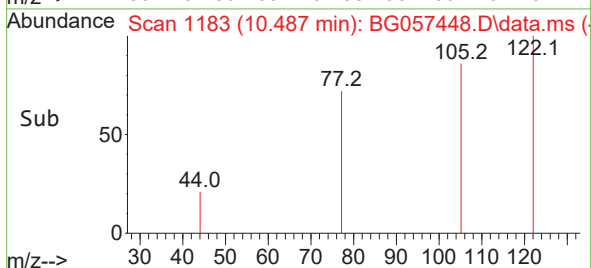
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

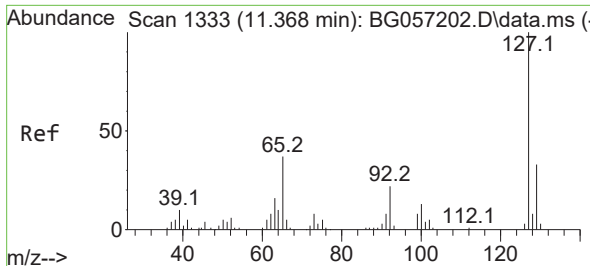


#32
Benzoic acid
Concen: 8.770 ng m
RT: 10.487 min Scan# 1183
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25



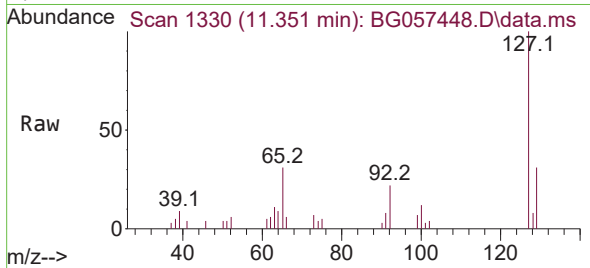
Tgt Ion:122 Resp: 2897
Ion Ratio Lower Upper
122 100
105 85.7 105.2 145.2#
77 72.4 83.1 123.1#





#33
4-Chloroaniline
Concen: 6.981 ng
RT: 11.351 min Scan# 1162
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

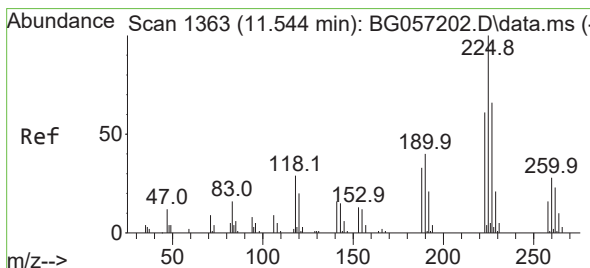
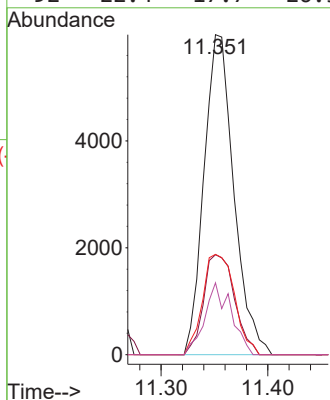
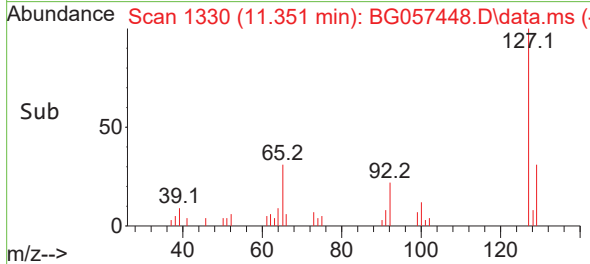
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



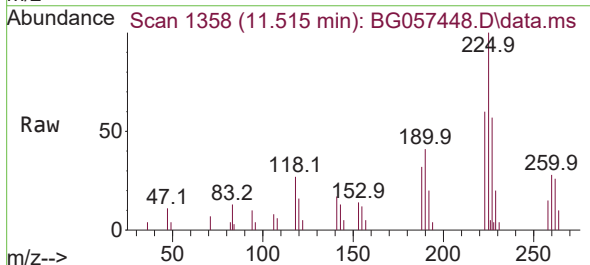
Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.2	26.7	40.1
65	31.4	29.7	44.5
92	22.4	17.7	26.5

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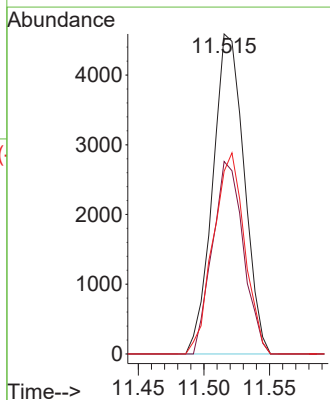
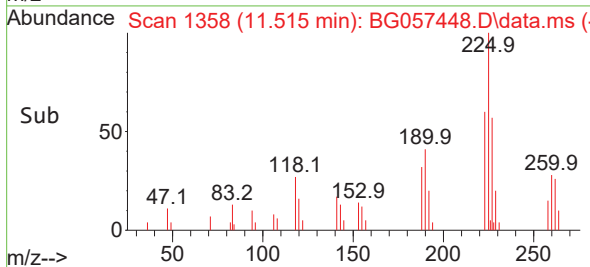
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

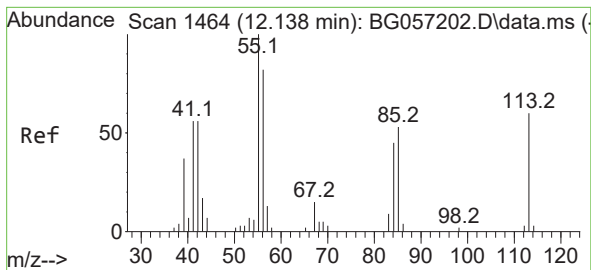


#34
Hexachlorobutadiene
Concen: 7.511 ng
RT: 11.515 min Scan# 1358
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25



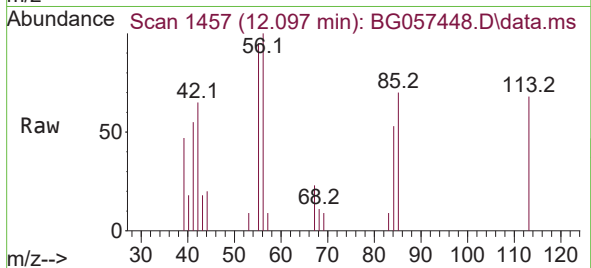
Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	48.6	72.8
227	57.1	52.7	79.1





#35
Caprolactam
Concen: 7.057 ng
RT: 12.097 min Scan# 1464
Delta R.T. -0.032 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

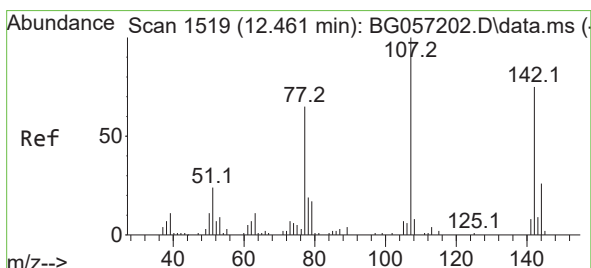
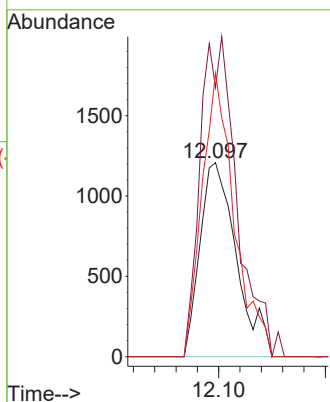
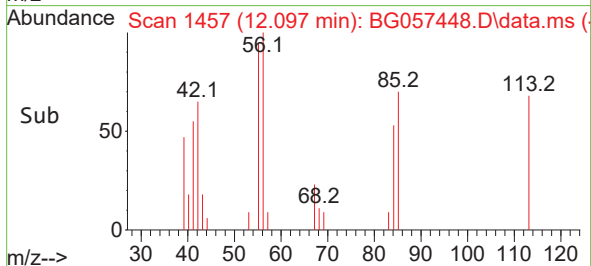
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



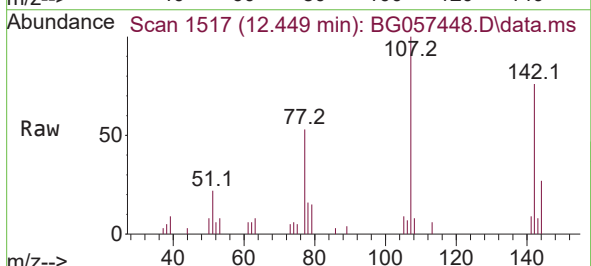
Tgt Ion:113 Resp: 2858
Ion Ratio Lower Upper
113 100
55 138.7 145.5 185.5
56 146.2 115.9 155.9

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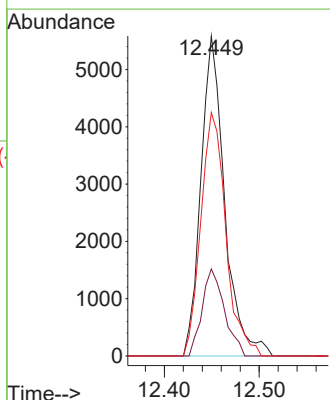
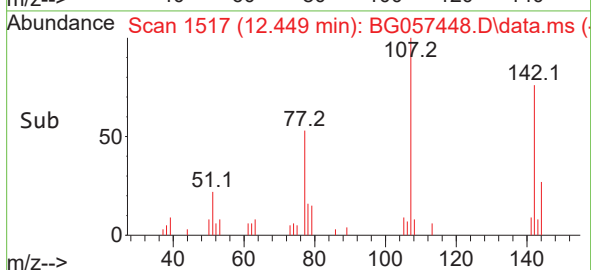
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

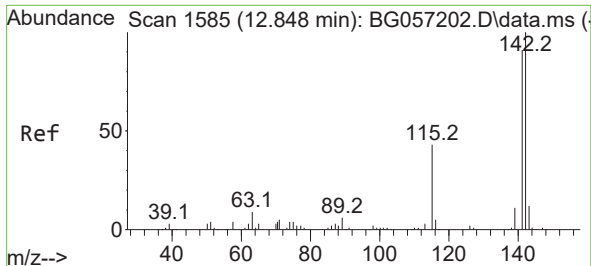


#36
4-Chloro-3-methylphenol
Concen: 7.205 ng
RT: 12.449 min Scan# 1517
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25



Tgt Ion:107 Resp: 9707
Ion Ratio Lower Upper
107 100
144 27.2 21.0 31.6
142 76.1 60.0 90.0





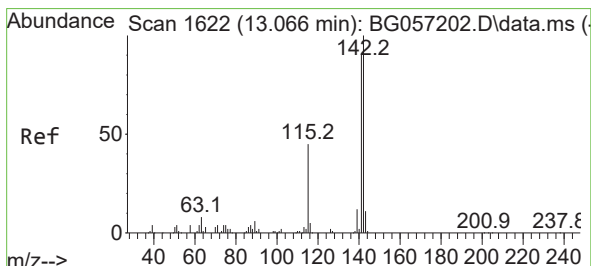
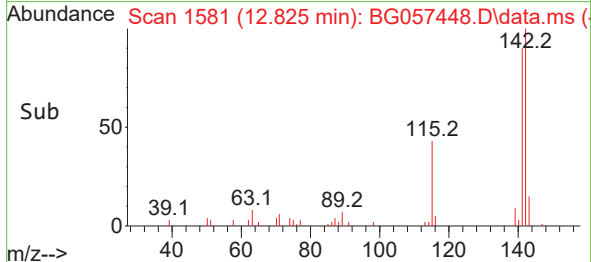
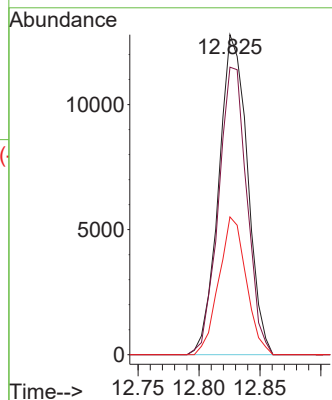
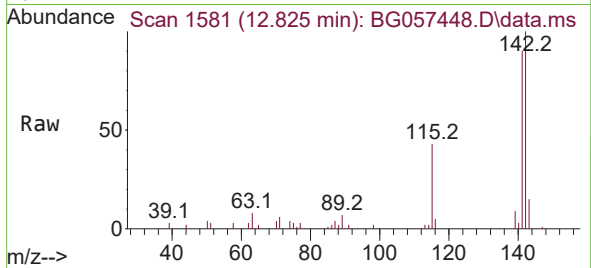
#37
2-Methylnaphthalene
Concen: 7.211 ng
RT: 12.825 min Scan# 1585
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT2-2023

Tgt Ion:142 Resp: 21020
Ion Ratio Lower Upper
142 100
141 89.8 73.1 109.7
115 43.0 34.6 52.0

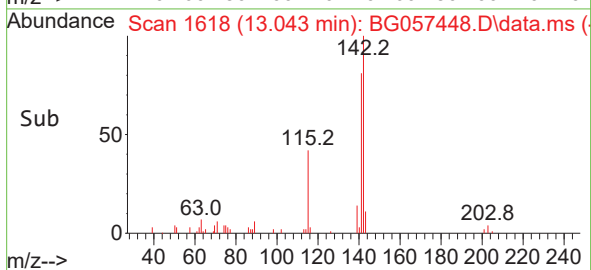
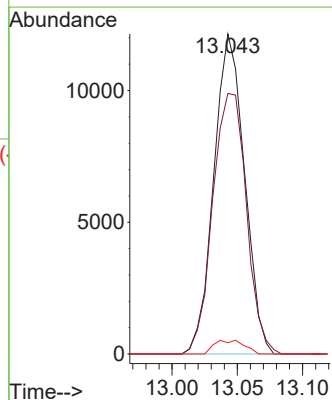
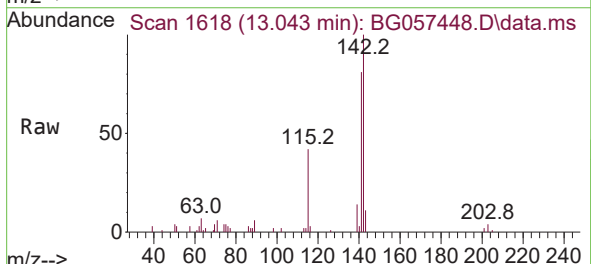
Manual Integrations
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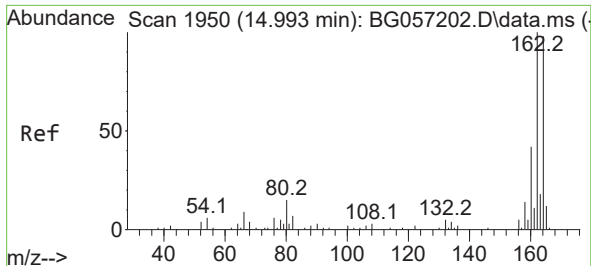
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#38
1-Methylnaphthalene
Concen: 7.212 ng m
RT: 13.043 min Scan# 1618
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

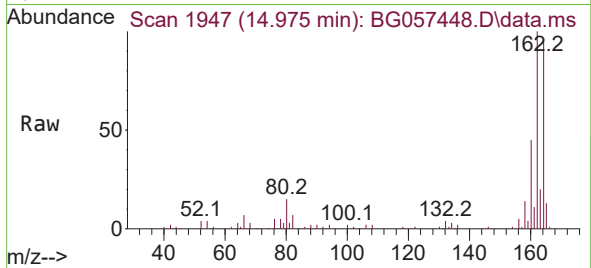
Tgt Ion:142 Resp: 19816
Ion Ratio Lower Upper
142 100
141 81.4 72.5 108.7
116 3.5 3.7 5.5#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.975 min Scan# 1950
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

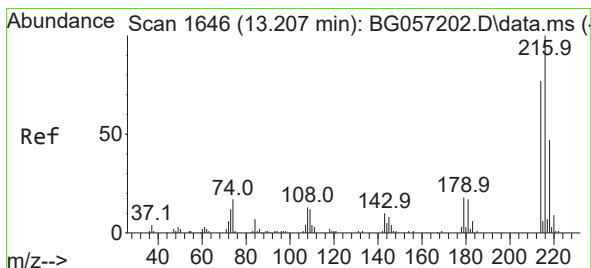
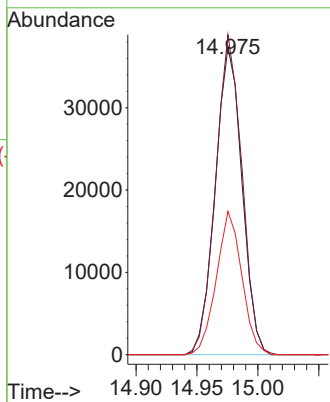
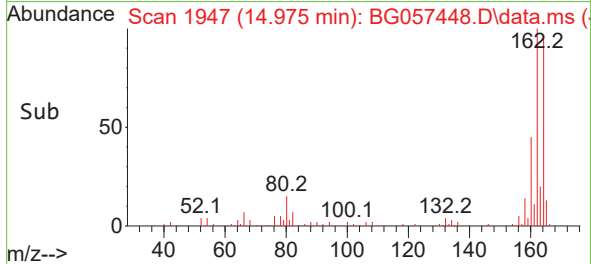
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:164 Resp: 5708
Ion Ratio Lower Upper
164 100
162 104.0 81.8 122.6
160 46.6 34.6 52.0

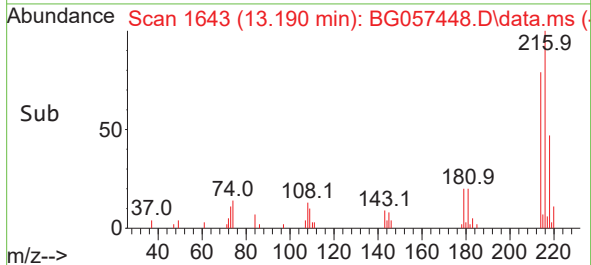
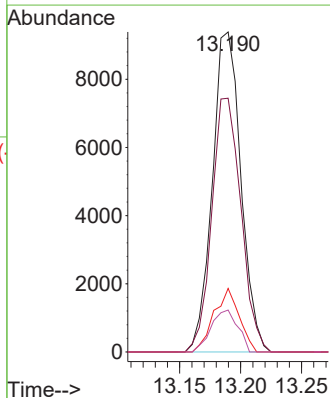
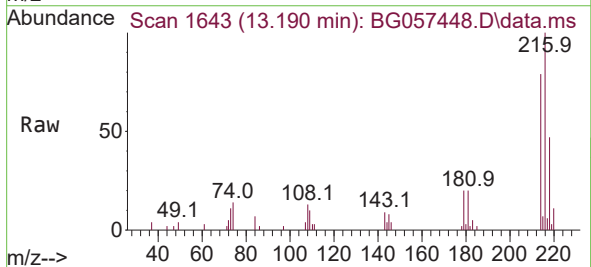
Manual Integrations
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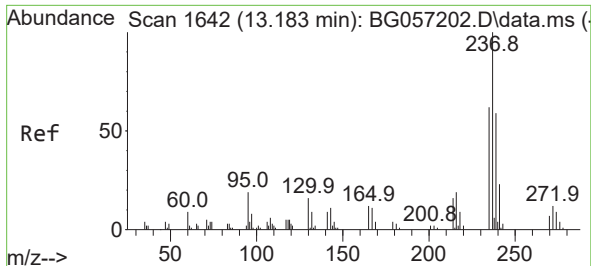
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.533 ng
RT: 13.190 min Scan# 1643
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

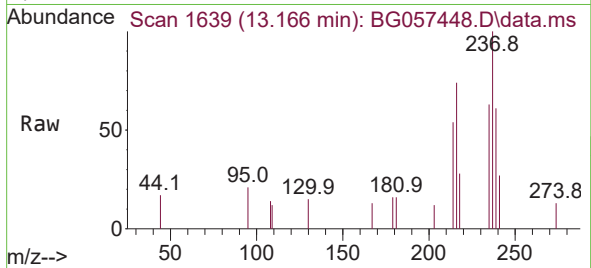
Tgt Ion:216 Resp: 15265
Ion Ratio Lower Upper
216 100
214 81.0 63.7 95.5
179 17.6 14.6 22.0
108 12.3 12.5 18.7#





#41
Hexachlorocyclopentadiene
Concen: 8.083 ng
RT: 13.166 min Scan# 1639
Delta R.T. 0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

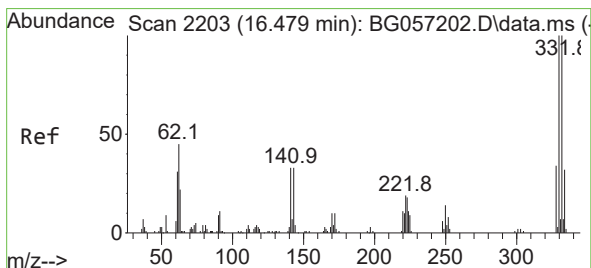
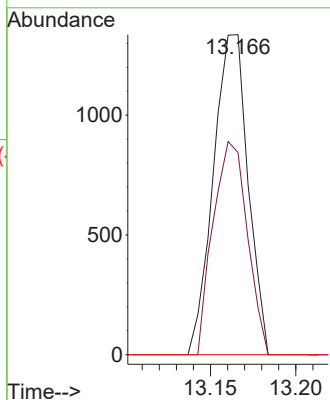
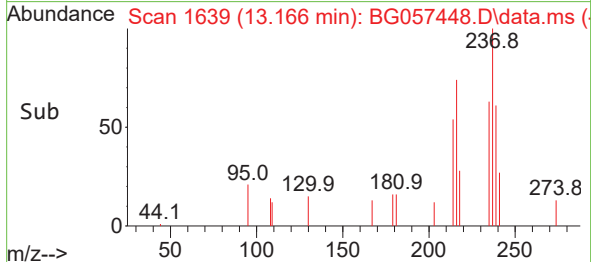
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



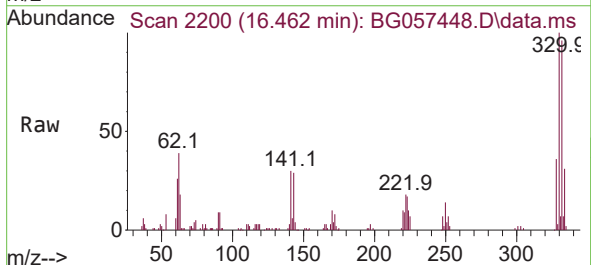
Tgt Ion:237 Resp: 189
Ion Ratio Lower Upper
237 100
235 63.2 42.0 82.0
272 0.0 0.0 31.5

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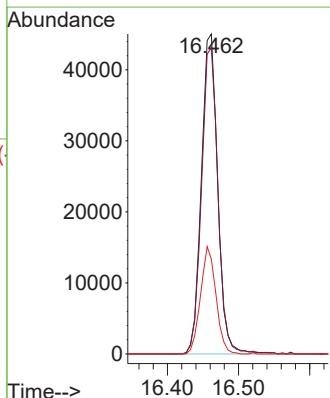
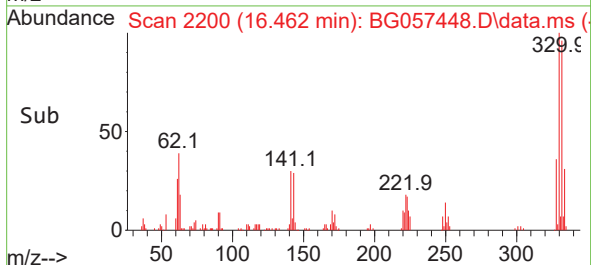
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

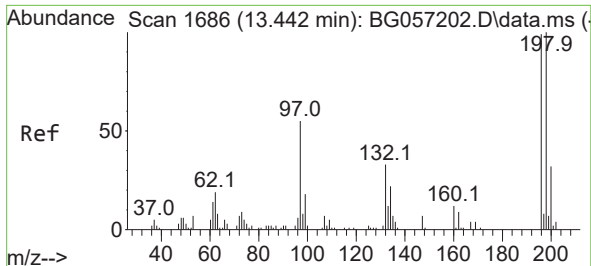


#42
2,4,6-Tribromophenol
Concen: 89.109 ng
RT: 16.462 min Scan# 2200
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25



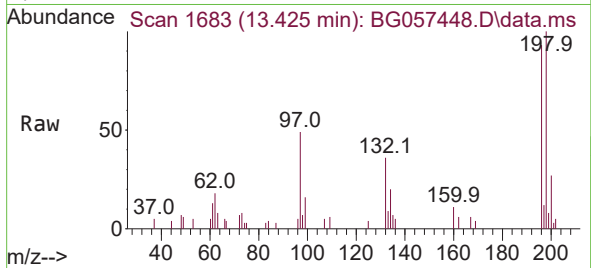
Tgt Ion:330 Resp: 72174
Ion Ratio Lower Upper
330 100
332 96.5 78.2 117.2
141 31.6 27.8 41.8





#43
2,4,6-Trichlorophenol
Concen: 7.083 ng
RT: 13.425 min Scan# 1683
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

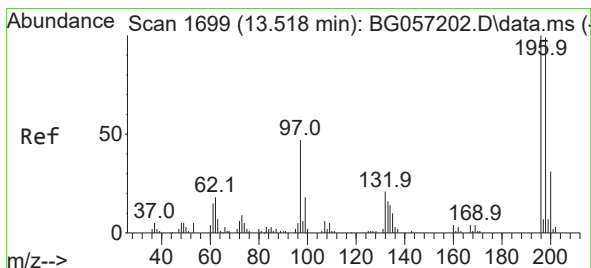
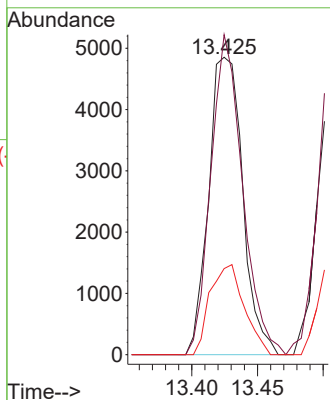
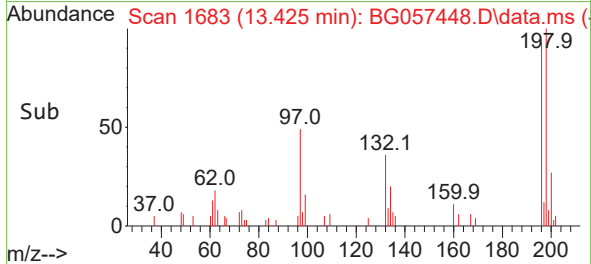
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



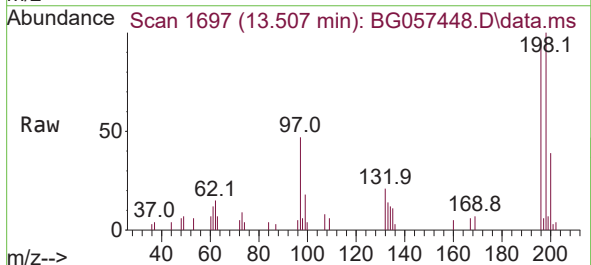
Tgt Ion:196 Resp: 874
Ion Ratio Lower Upper
196 100
198 107.6 81.2 121.8
200 28.9 26.3 39.5

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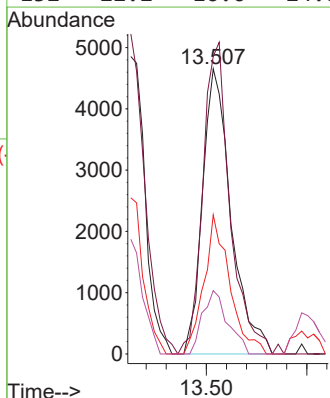
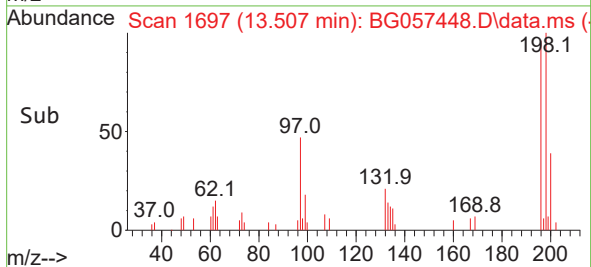
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

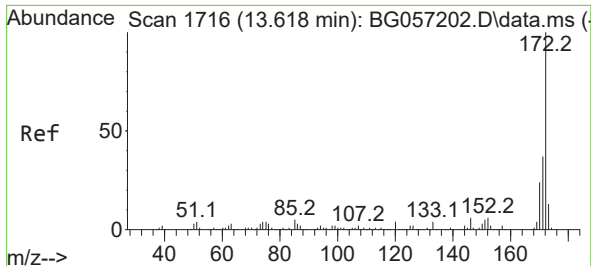


#44
2,4,5-Trichlorophenol
Concen: 6.338 ng
RT: 13.507 min Scan# 1697
Delta R.T. 0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25



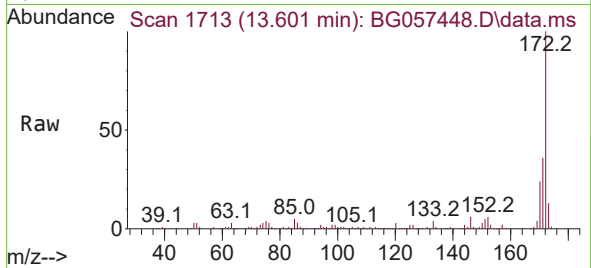
Tgt Ion:196 Resp: 9204
Ion Ratio Lower Upper
196 100
198 104.3 79.4 119.2
97 48.8 37.0 55.4
132 22.2 16.6 24.8





#45
2-Fluorobiphenyl
Concen: 60.107 ng
RT: 13.601 min Scan# 1713
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

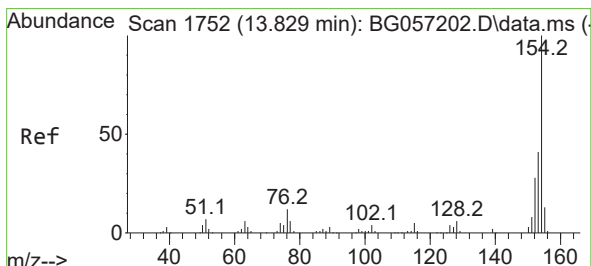
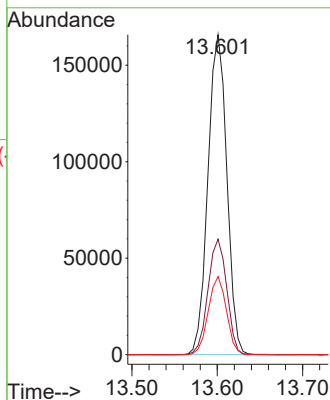
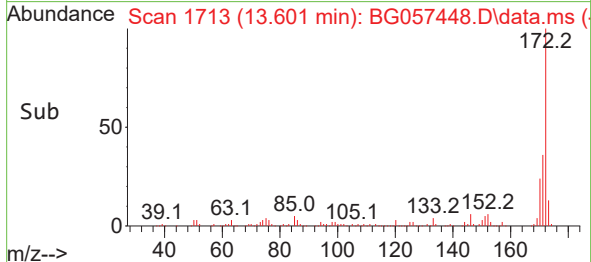
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



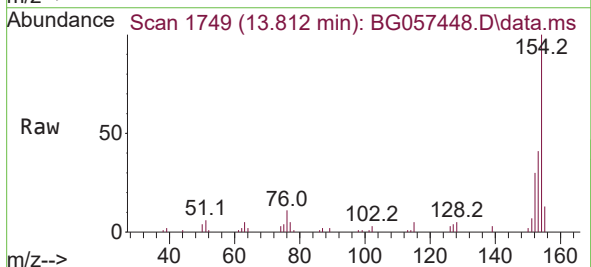
Tgt Ion:172 Resp: 254759
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 24.5 19.0 28.6

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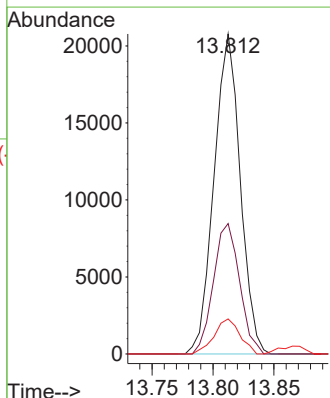
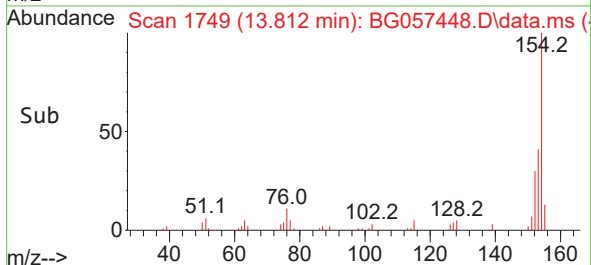
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

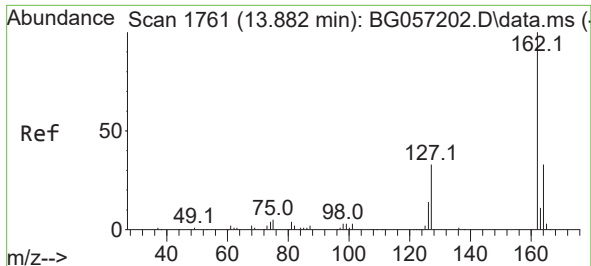


#46
1,1'-Biphenyl
Concen: 7.323 ng
RT: 13.812 min Scan# 1749
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25



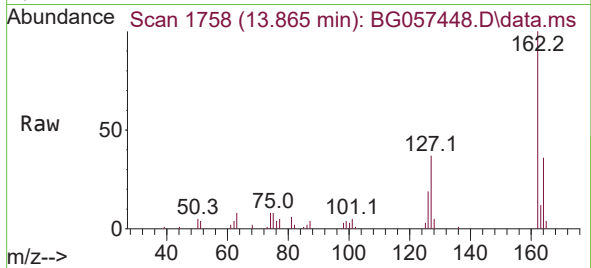
Tgt Ion:154 Resp: 31020
Ion Ratio Lower Upper
154 100
153 40.8 20.9 60.9
76 11.0 0.0 31.7





#47
2-Chloronaphthalene
Concen: 7.397 ng
RT: 13.865 min Scan# 1761
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

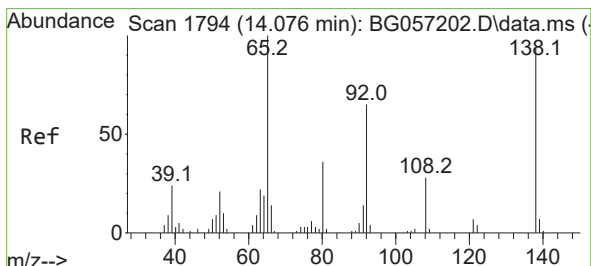
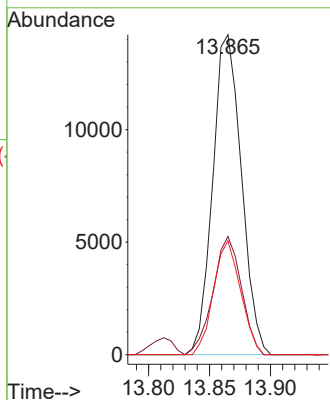
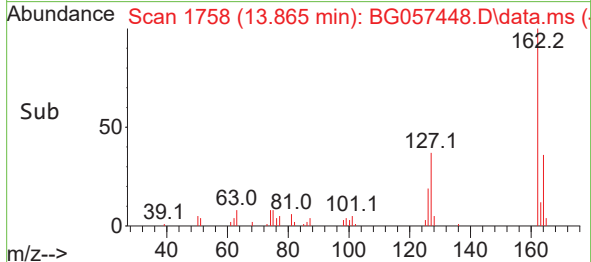
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:162 Resp: 23300
Ion Ratio Lower Upper
162 100
127 37.0 29.8 44.6
164 35.6 26.6 40.0

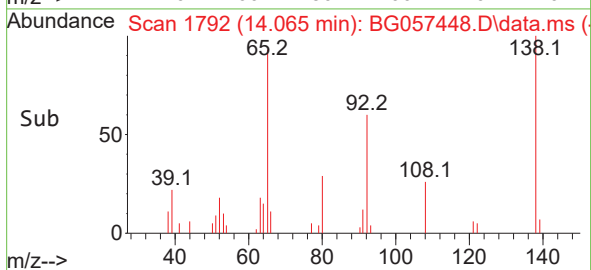
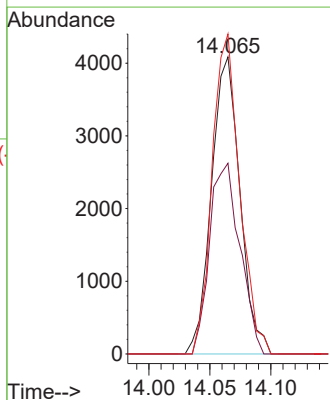
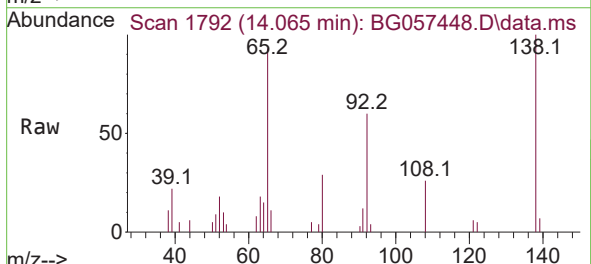
Manual Integrations
APPROVED

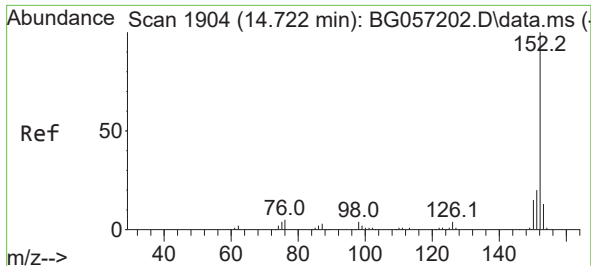
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#48
2-Nitroaniline
Concen: 6.217 ng
RT: 14.065 min Scan# 1792
Delta R.T. 0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

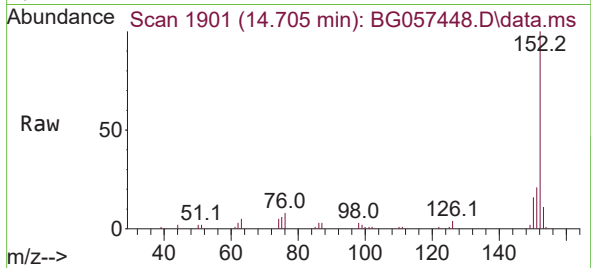
Tgt Ion: 65 Resp: 6658
Ion Ratio Lower Upper
65 100
92 64.2 52.1 78.1
138 107.7 75.3 112.9





#49
Acenaphthylene
Concen: 7.183 ng
RT: 14.705 min Scan# 1904
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

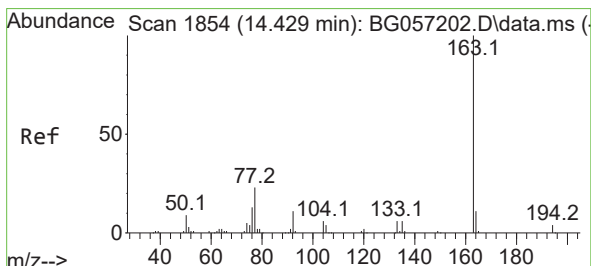
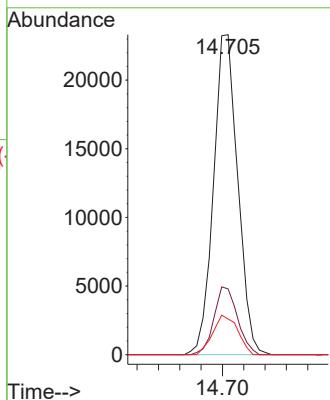
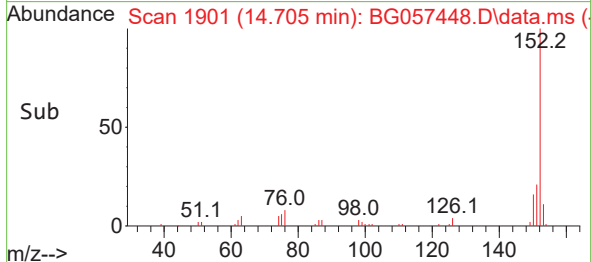
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT2-2023



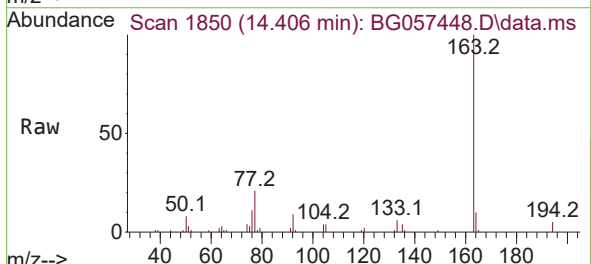
Tgt Ion:152 Resp: 3675
Ion Ratio Lower Upper
152 100
151 20.5 16.0 24.0
153 11.1 10.7 16.1

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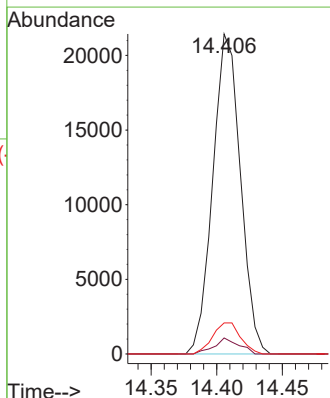
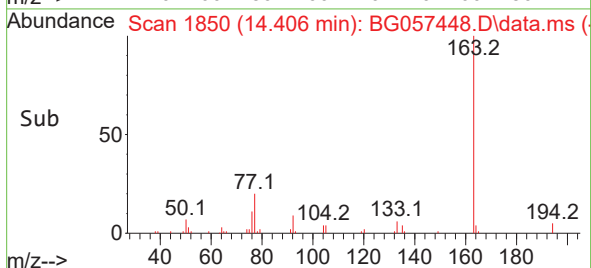
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

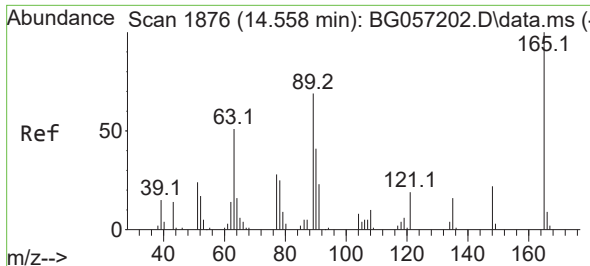


#50
Dimethylphthalate
Concen: 6.691 ng
RT: 14.406 min Scan# 1850
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25



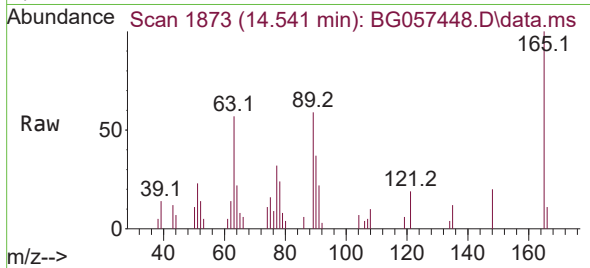
Tgt Ion:163 Resp: 31384
Ion Ratio Lower Upper
163 100
194 5.0 3.4 5.2
164 9.7 8.8 13.2





#51
2,6-Dinitrotoluene
Concen: 7.049 ng
RT: 14.541 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

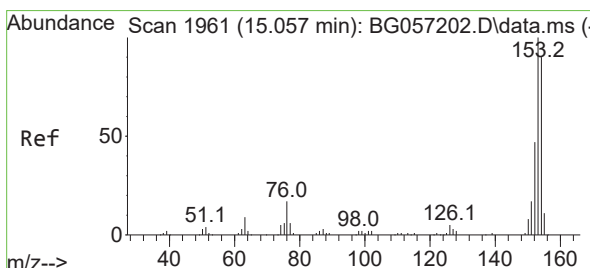
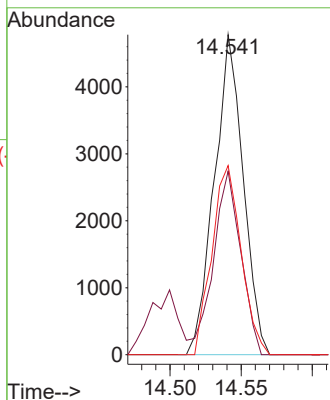
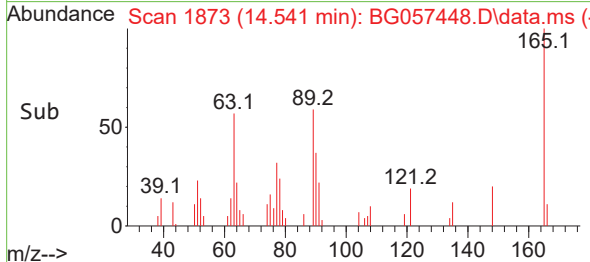
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:165 Resp: 675
Ion Ratio Lower Upper
165 100
63 57.4 50.9 76.3
89 59.1 55.2 82.8

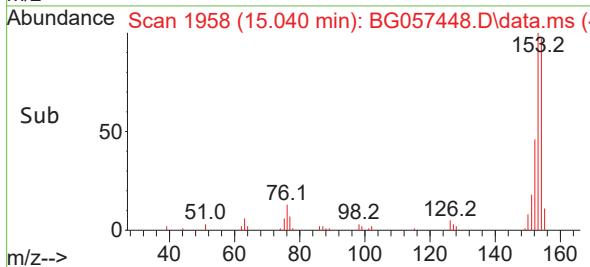
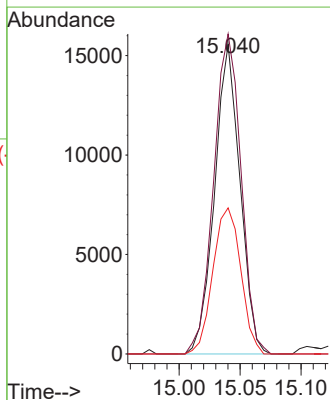
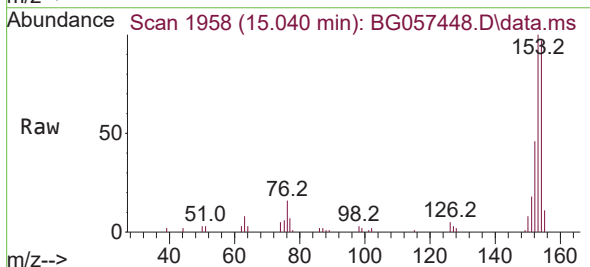
Manual Integrations
APPROVED

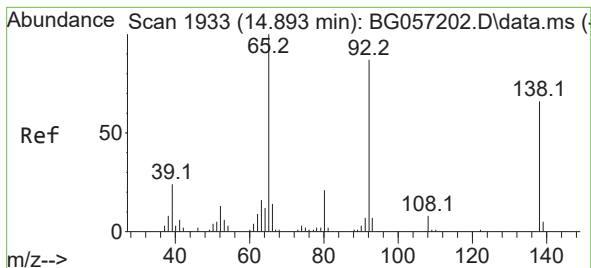
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#52
Acenaphthene
Concen: 7.071 ng
RT: 15.040 min Scan# 1958
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

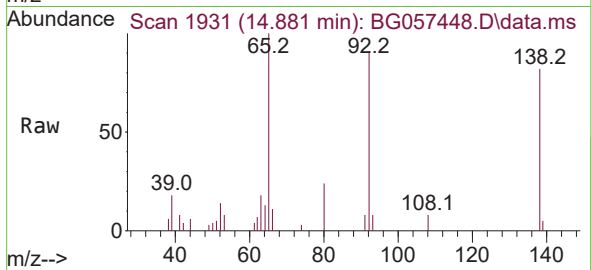
Tgt Ion:154 Resp: 22611
Ion Ratio Lower Upper
154 100
153 103.3 89.3 133.9
152 47.2 41.7 62.5





#53
3-Nitroaniline
Concen: 6.441 ng
RT: 14.881 min Scan# 1931
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

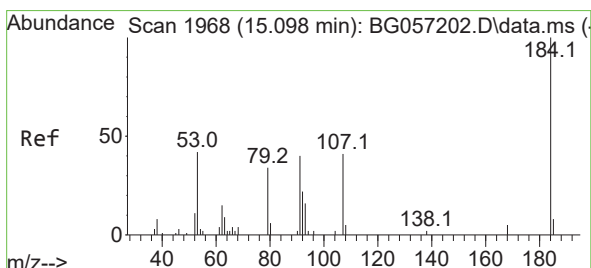
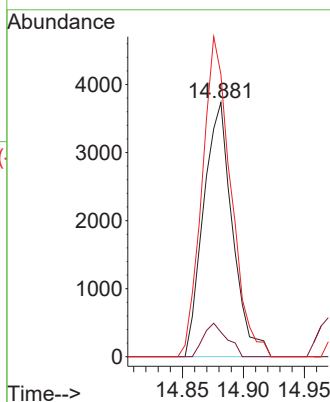
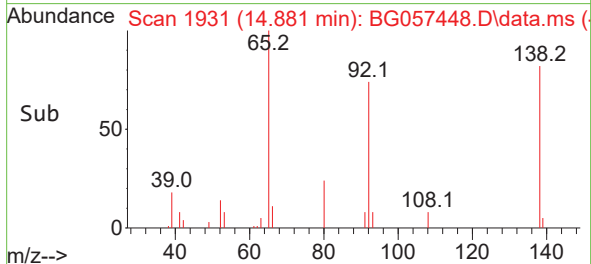
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT2-2023



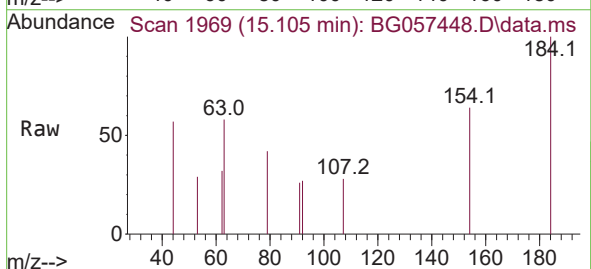
Tgt Ion:138 Resp: 6180
Ion Ratio Lower Upper
138 100
108 9.7 9.5 14.3
92 111.0 106.2 159.4

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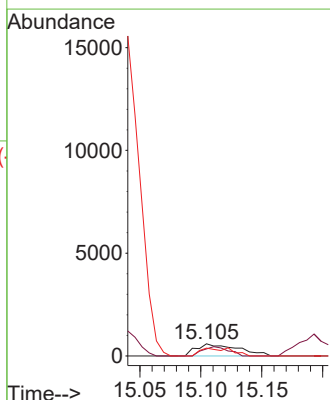
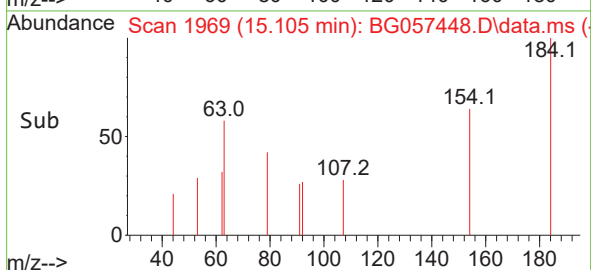
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

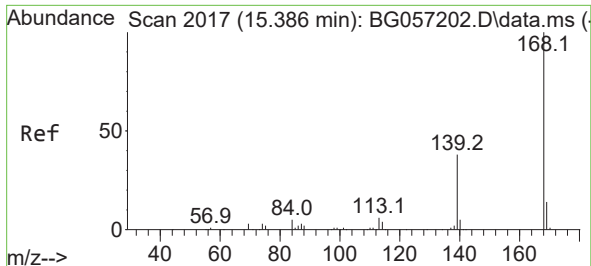


#54
2,4-Dinitrophenol
Concen: 7.151 ng
RT: 15.105 min Scan# 1969
Delta R.T. 0.009 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25



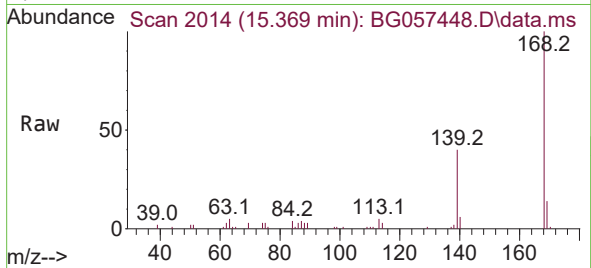
Tgt Ion:184 Resp: 1412
Ion Ratio Lower Upper
184 100
63 58.2 48.2 72.4
154 63.8 55.4 83.2





#55
Dibenzenofuran
Concen: 7.099 ng
RT: 15.369 min Scan# 2017
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

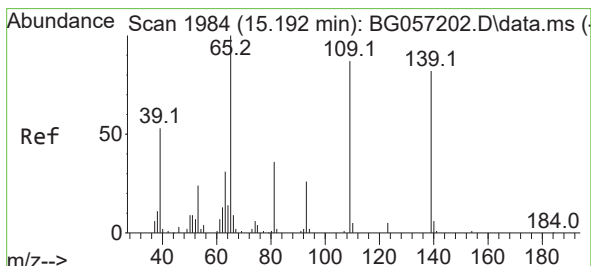
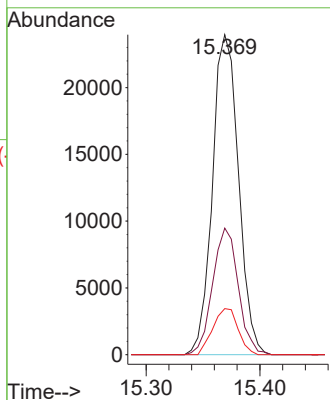
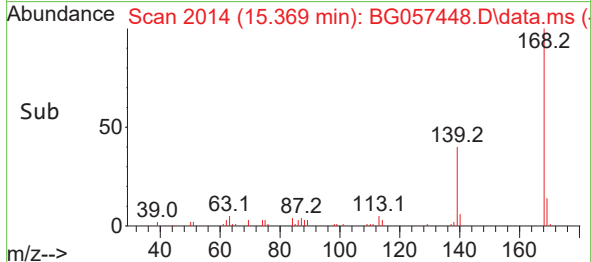
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:168 Resp: 3814
Ion Ratio Lower Upper
168 100
139 39.5 30.7 46.1
169 14.4 10.9 16.3

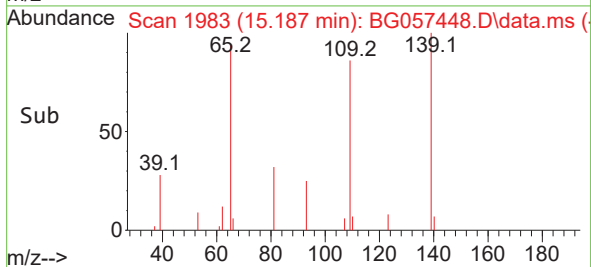
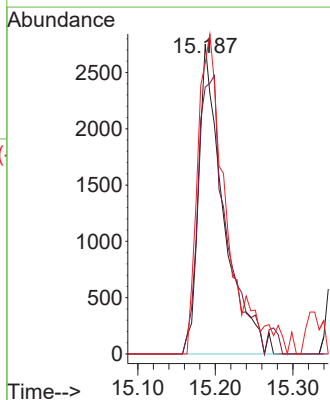
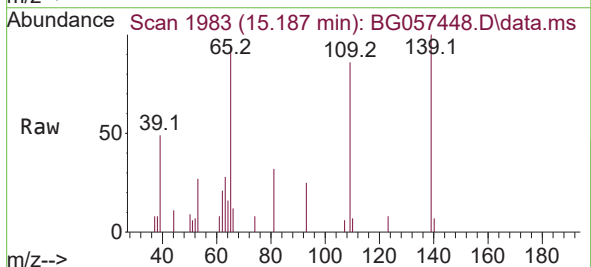
Manual Integrations
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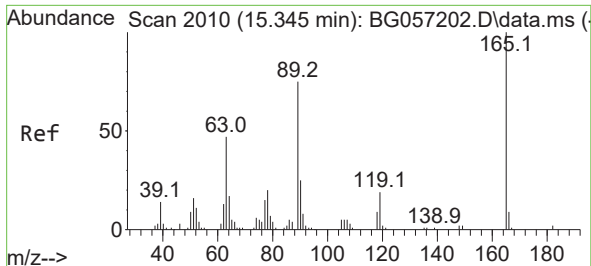
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#56
4-Nitrophenol
Concen: 9.523 ng
RT: 15.187 min Scan# 1983
Delta R.T. 0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

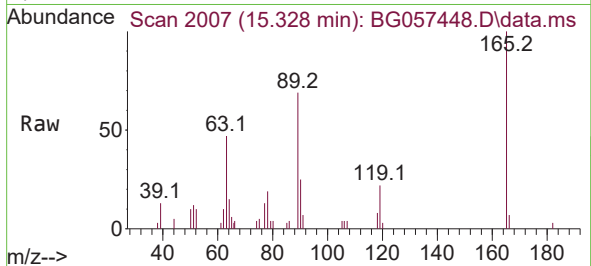
Tgt Ion:139 Resp: 6077
Ion Ratio Lower Upper
139 100
109 86.1 86.6 126.6#
65 93.9 102.6 142.6#





#57
2,4-Dinitrotoluene
Concen: 7.141 ng
RT: 15.328 min Scan# 2010
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

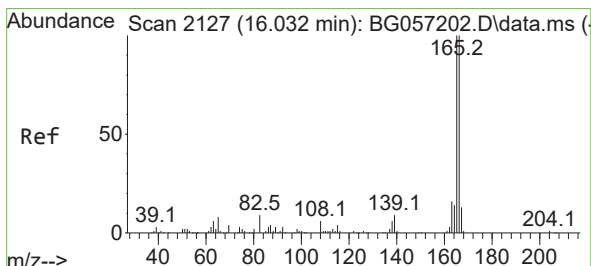
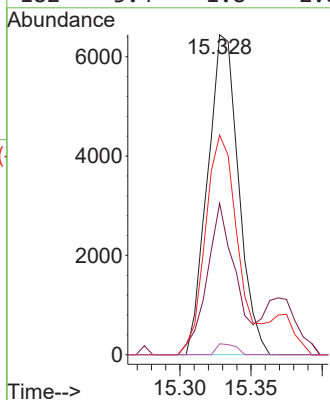
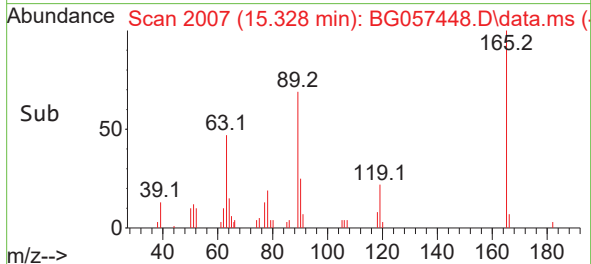
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:165 Resp: 9774
Ion Ratio Lower Upper
165 100
63 47.3 37.5 56.3
89 68.6 60.2 90.4
182 3.4 1.8 2.8#

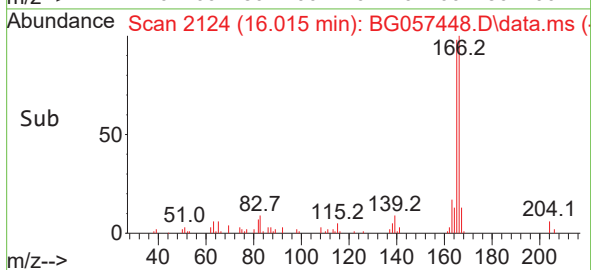
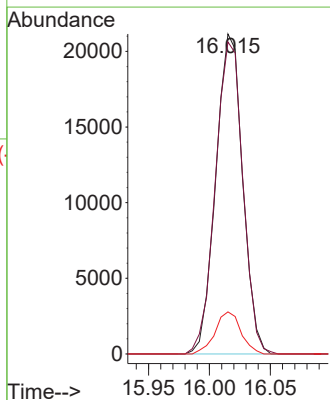
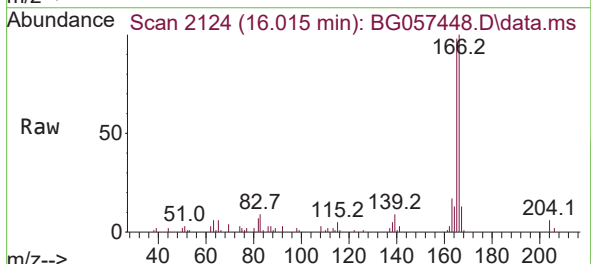
Manual Integrations
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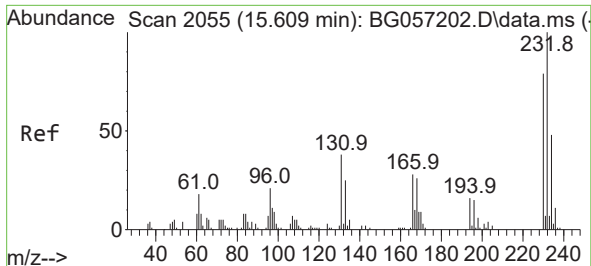
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#58
Fluorene
Concen: 7.316 ng
RT: 16.015 min Scan# 2124
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

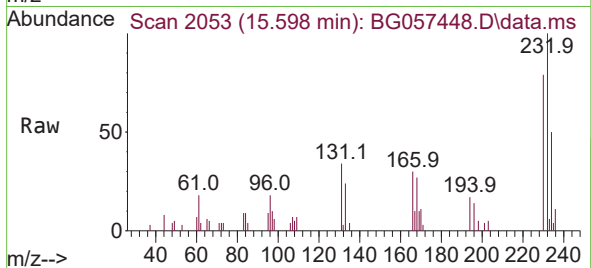
Tgt Ion:166 Resp: 32377
Ion Ratio Lower Upper
166 100
165 97.5 80.1 120.1
167 13.1 10.2 15.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.787 ng
RT: 15.598 min Scan# 2053
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

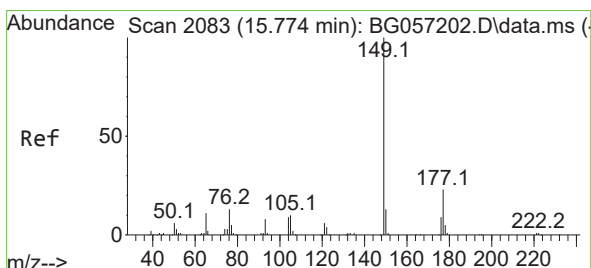
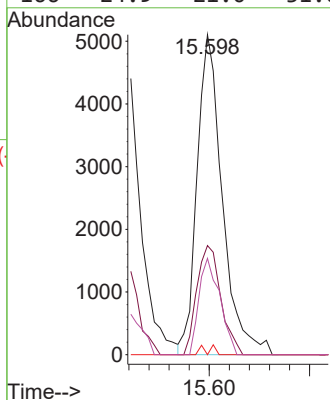
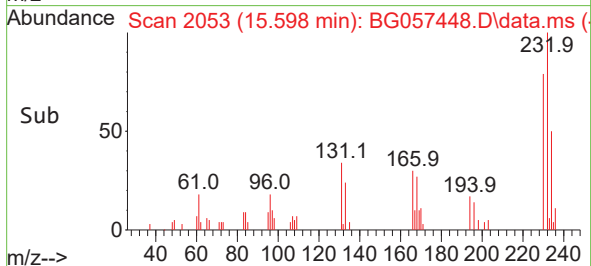
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:232 Resp: 8930
Ion Ratio Lower Upper
232 100
131 32.4 28.6 42.8
130 1.2 1.6 2.4
166 24.9 21.0 31.6

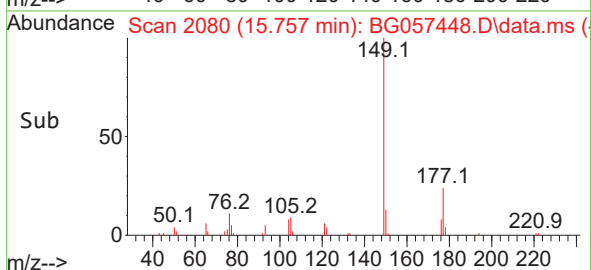
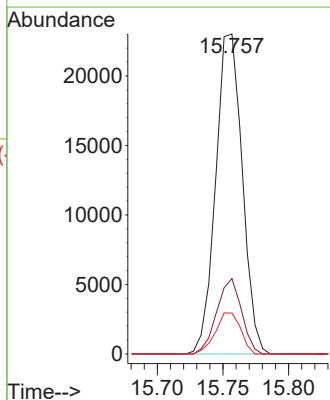
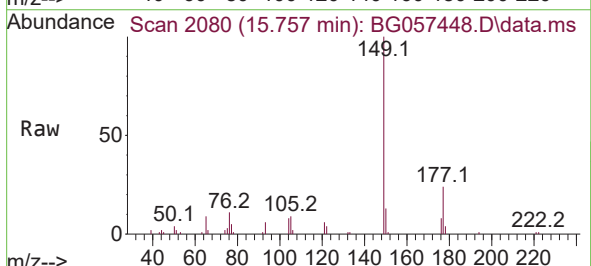
Manual Integrations
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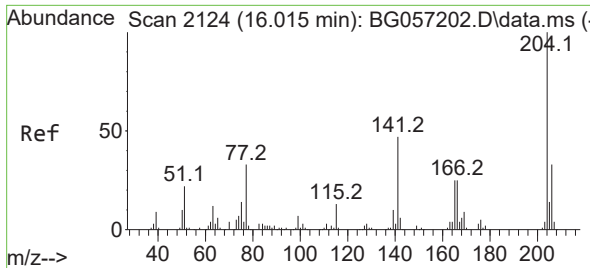
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#60
Diethylphthalate
Concen: 6.807 ng
RT: 15.757 min Scan# 2080
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:149 Resp: 32425
Ion Ratio Lower Upper
149 100
177 23.5 18.3 27.5
150 12.8 10.1 15.1





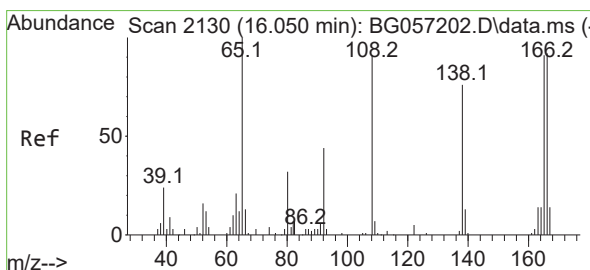
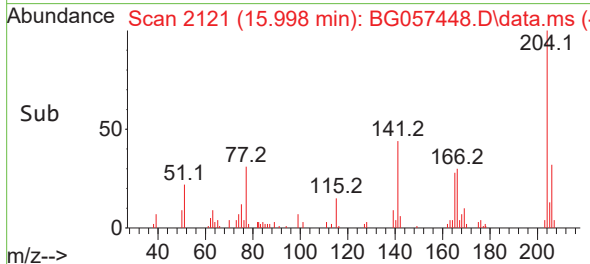
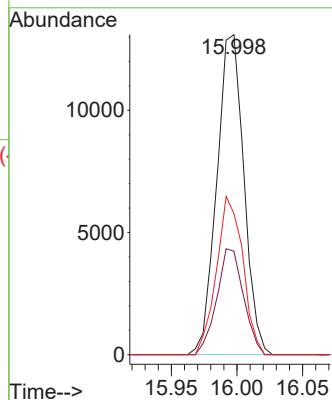
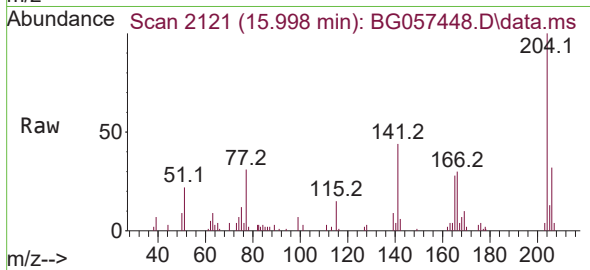
#61
4-Chlorophenyl-phenylether
Concen: 7.044 ng
RT: 15.998 min Scan# 2120
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:204 Resp: 18780
Ion Ratio Lower Upper
204 100
206 32.4 26.5 39.7
141 44.1 37.4 56.0

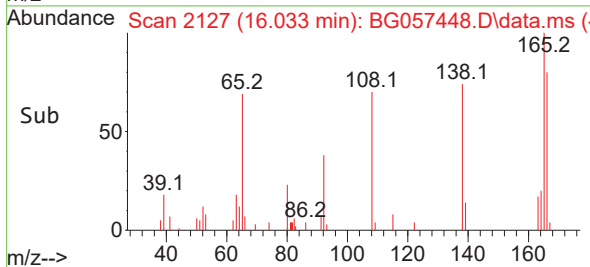
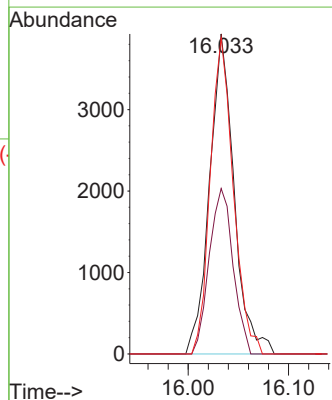
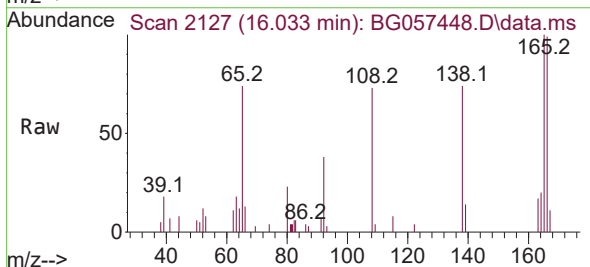
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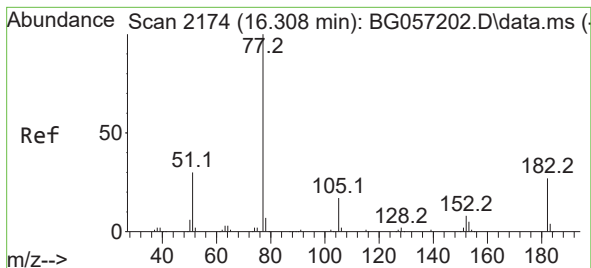
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#62
4-Nitroaniline
Concen: 6.872 ng
RT: 16.033 min Scan# 2127
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

Tgt Ion:138 Resp: 6652
Ion Ratio Lower Upper
138 100
92 51.7 38.2 78.2
108 98.9 99.6 139.6#





#63

Azobenzene

Concen: 6.387 ng

RT: 16.291 min Scan# 2174

Delta R.T. -0.003 min

Lab File: BG057448.D

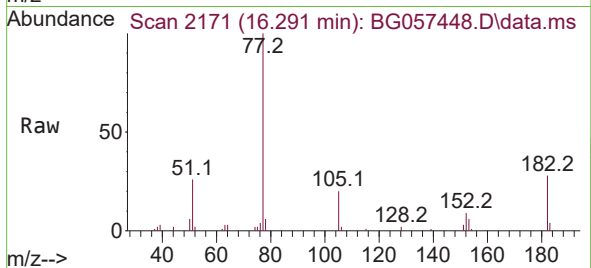
Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023



Tgt Ion: 77 Resp: 2935

Ion Ratio Lower Upper

77 100

182 28.1 7.4 47.4

105 19.6 0.0 37.2

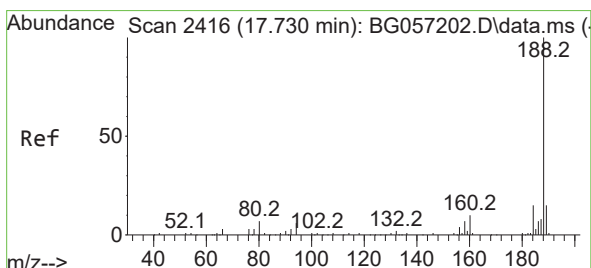
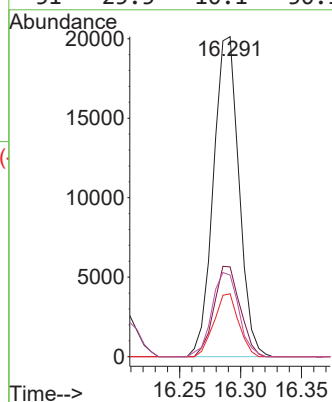
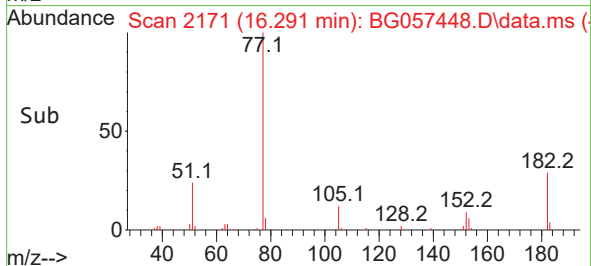
51 25.5 10.1 50.1

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Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.719 min Scan# 2414

Delta R.T. -0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

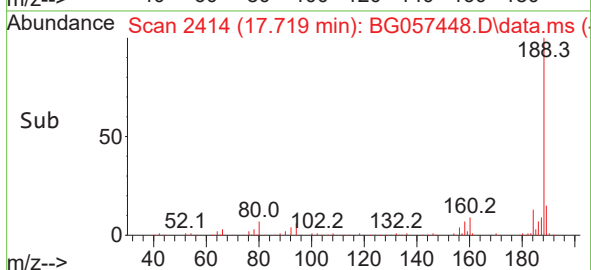
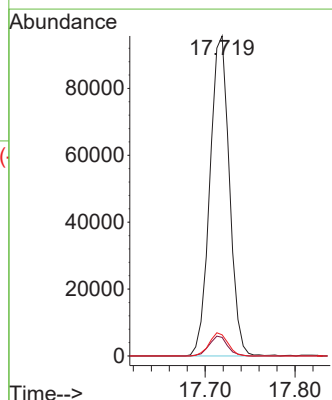
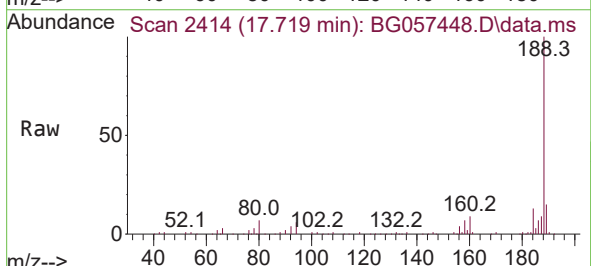
Tgt Ion:188 Resp: 144166

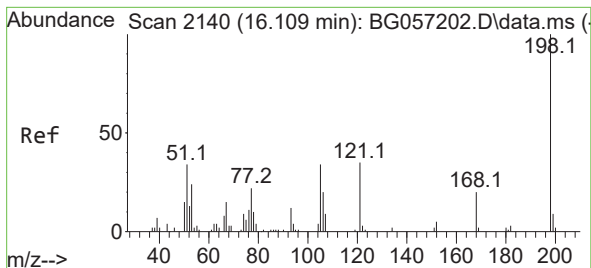
Ion Ratio Lower Upper

188 100

94 5.8 5.1 7.7

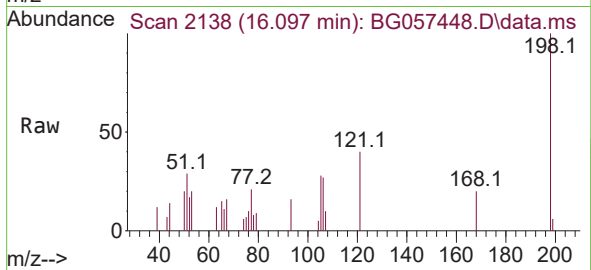
80 6.6 5.7 8.5





#65
4,6-Dinitro-2-methylphenol
Concen: 7.012 ng
RT: 16.097 min Scan# 2140
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

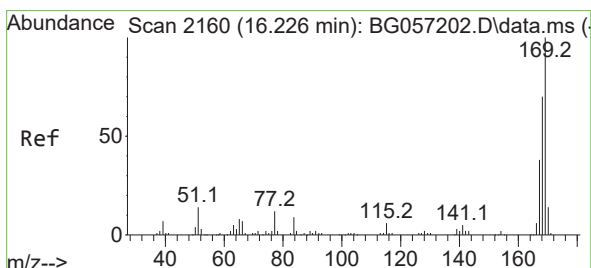
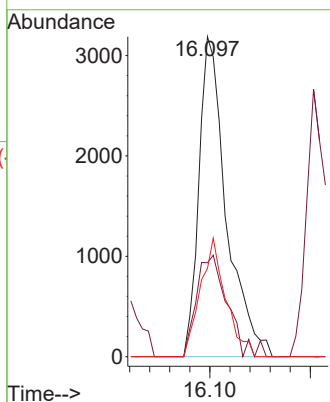
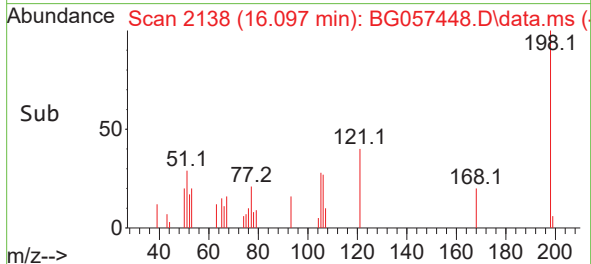
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



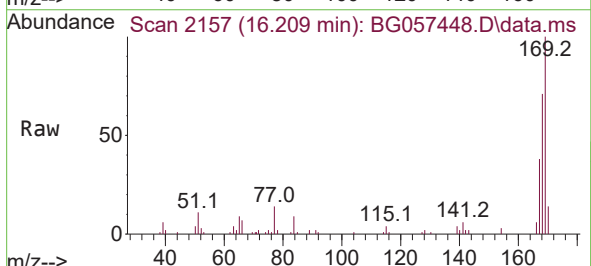
Tgt Ion:198 Resp: 603
Ion Ratio Lower Upper
198 100
51 29.3 16.1 56.1
105 27.6 14.0 54.0

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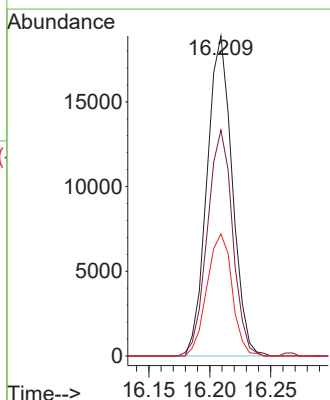
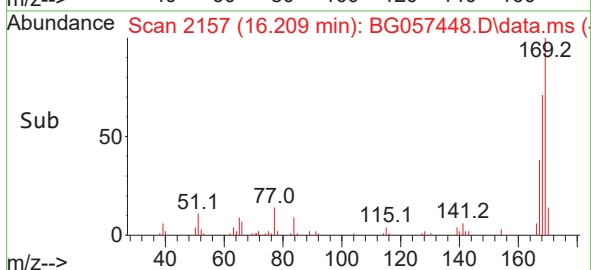
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

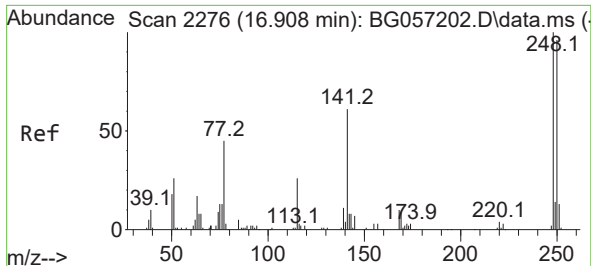


#66
n-Nitrosodiphenylamine
Concen: 6.932 ng
RT: 16.209 min Scan# 2157
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25



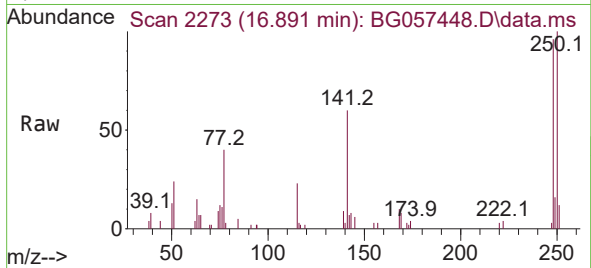
Tgt Ion:169 Resp: 27144
Ion Ratio Lower Upper
169 100
168 70.6 56.2 84.4
167 38.1 30.2 45.4





#67
4-Bromophenyl-phenylether
Concen: 6.894 ng
RT: 16.891 min Scan# 2113
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

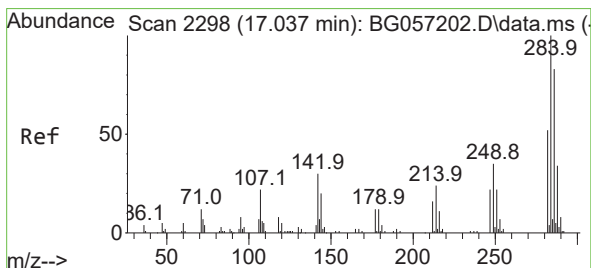
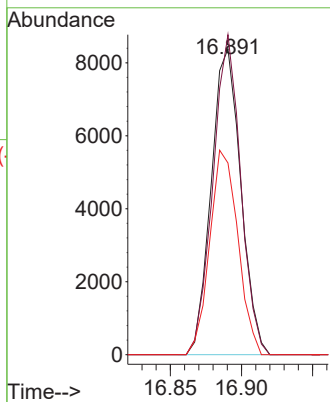
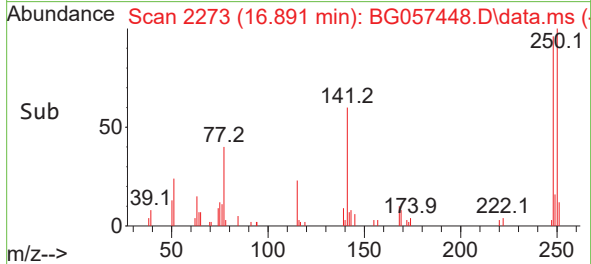
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



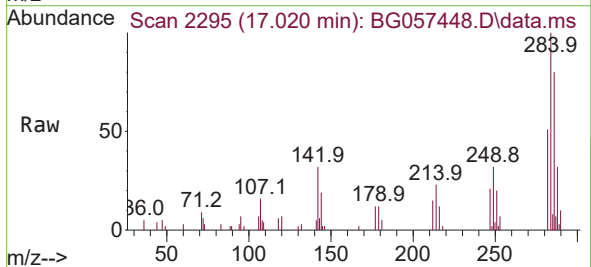
Tgt Ion:248 Resp: 1213
Ion Ratio Lower Upper
248 100
250 104.6 77.0 115.6
141 62.7 48.6 72.8

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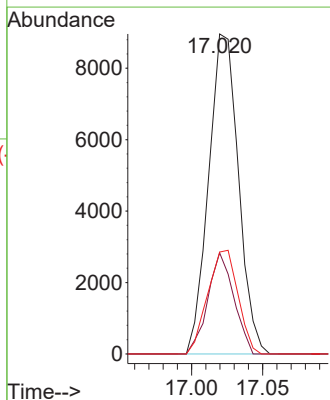
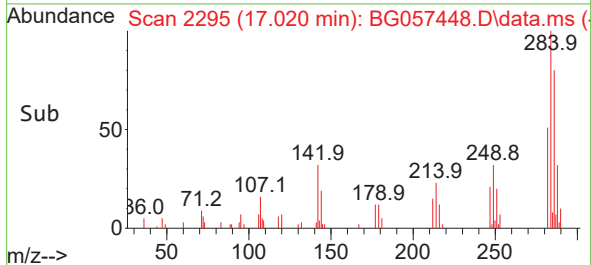
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

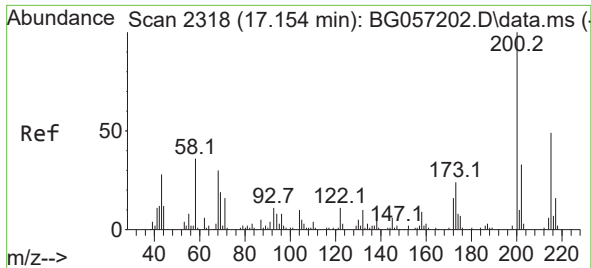


#68
Hexachlorobenzene
Concen: 7.644 ng
RT: 17.020 min Scan# 2295
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25



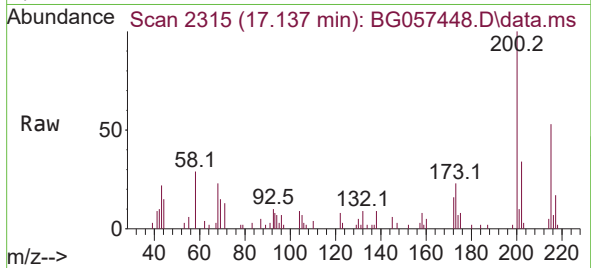
Tgt Ion:284 Resp: 13073
Ion Ratio Lower Upper
284 100
142 31.6 23.9 35.9
249 31.9 27.7 41.5





#69
 Atrazine
 Concen: 7.890 ng
 RT: 17.137 min Scan# 21178
 Delta R.T. -0.008 min
 Lab File: BG057448.D
 Acq: 17 May 2023 17:25

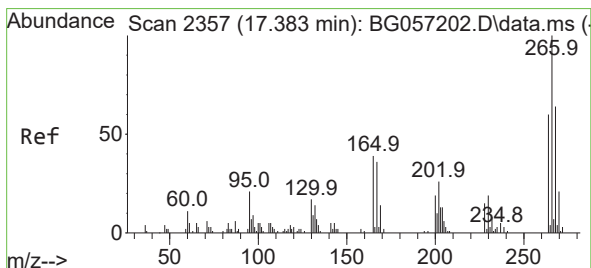
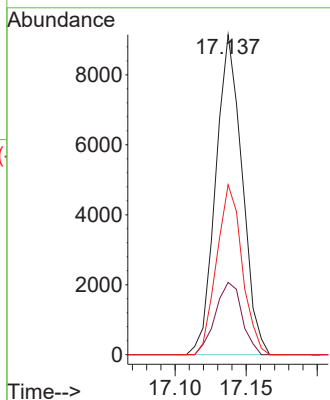
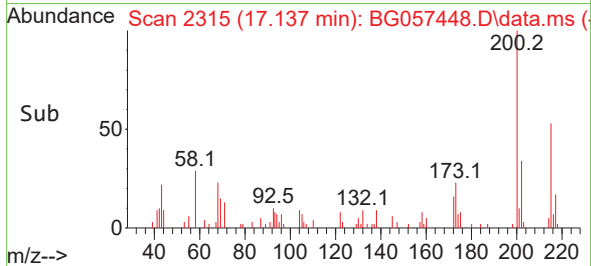
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023



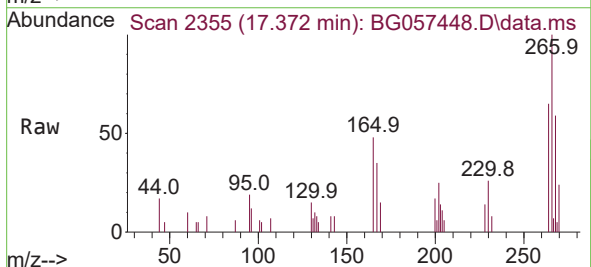
Tgt Ion:200 Resp: 11785
 Ion Ratio Lower Upper
 200 100
 173 22.6 4.3 44.3
 215 53.1 29.3 69.3

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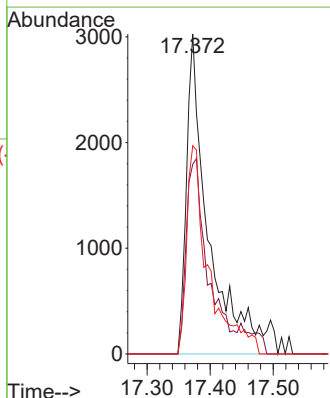
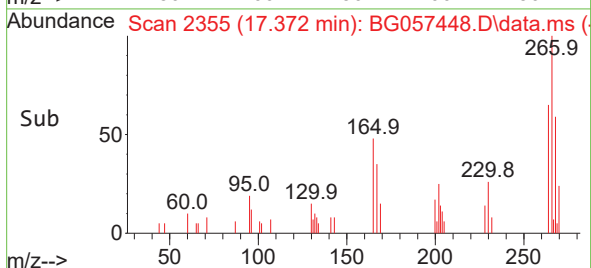
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023

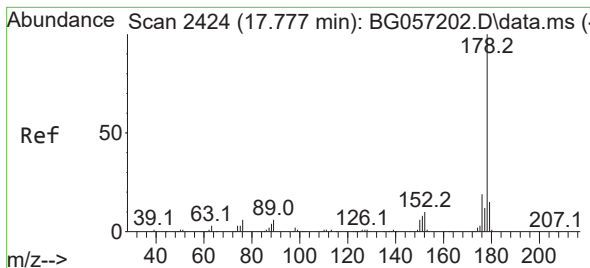


#70
 Pentachlorophenol
 Concen: 7.576 ng m
 RT: 17.372 min Scan# 2355
 Delta R.T. -0.003 min
 Lab File: BG057448.D
 Acq: 17 May 2023 17:25



Tgt Ion:266 Resp: 7467
 Ion Ratio Lower Upper
 266 100
 268 59.3 51.0 76.6
 264 65.1 47.8 71.6





#71

Phenanthrene

Concen: 7.245 ng

RT: 17.760 min Scan# 2424

Delta R.T. -0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

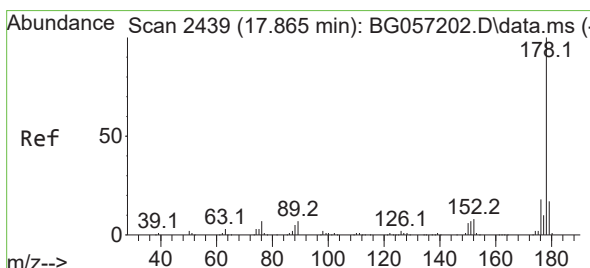
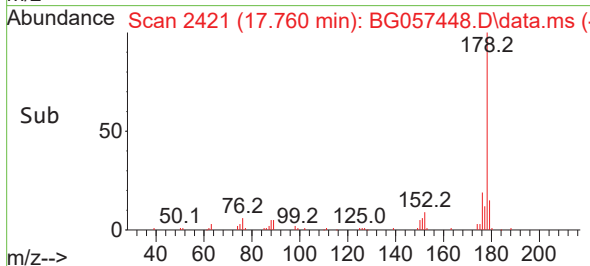
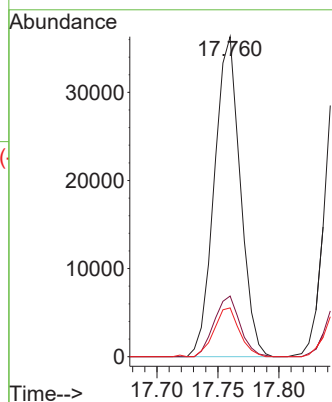
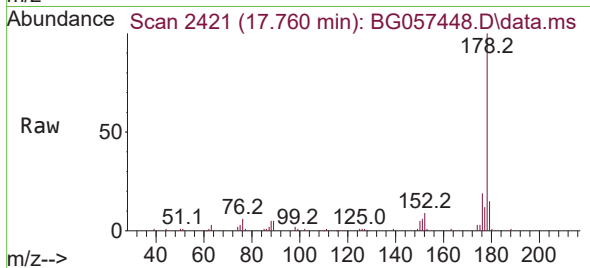
Tgt Ion:178	Resp:	53524
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.4 23.2
179	15.2	12.3 18.5

Manual Integrations

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Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#72

Anthracene

Concen: 7.139 ng

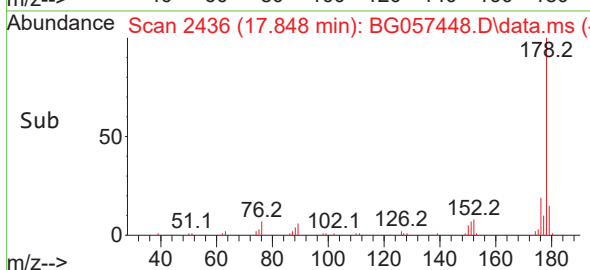
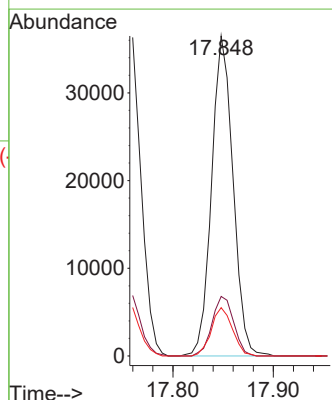
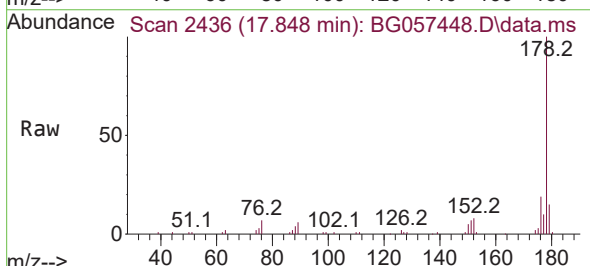
RT: 17.848 min Scan# 2436

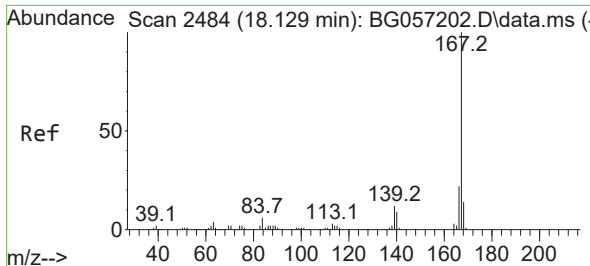
Delta R.T. -0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

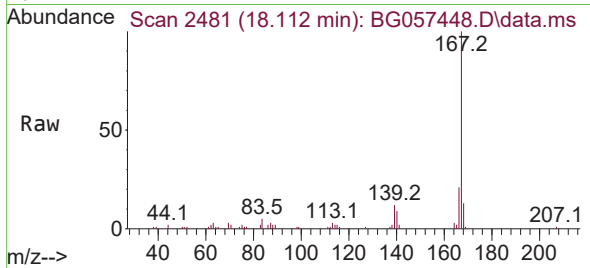
Tgt Ion:178	Resp:	54114
Ion Ratio	Lower	Upper
178	100	
176	18.6	14.7 22.1
179	15.1	13.2 19.8





#73
Carbazole
Concen: 7.216 ng
RT: 18.112 min Scan# 2484
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

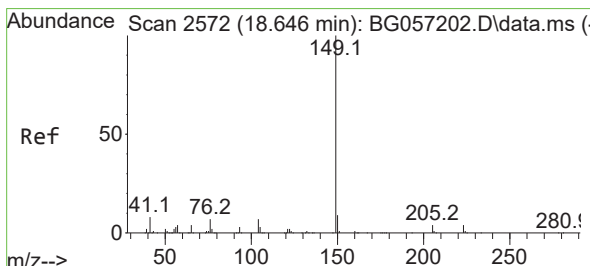
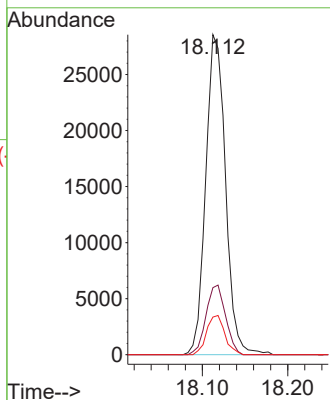
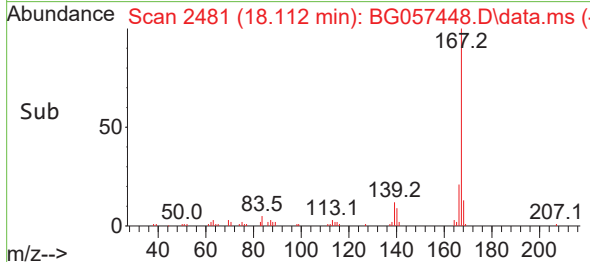
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



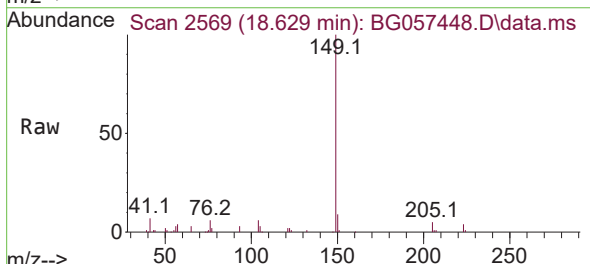
Tgt Ion:167 Resp: 4604
Ion Ratio Lower Upper
167 100
166 21.0 17.4 26.0
139 11.8 9.6 14.4

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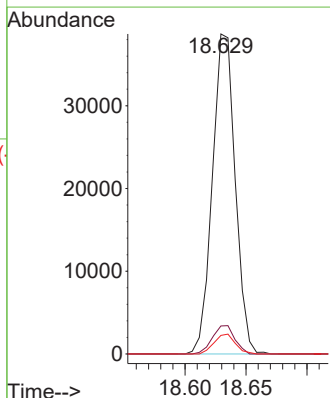
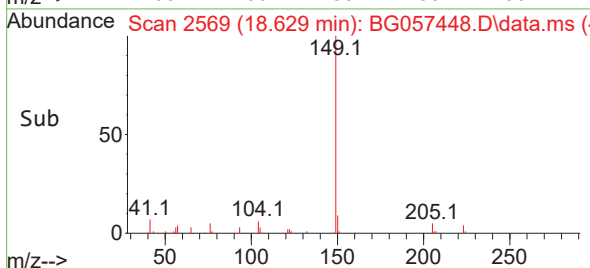
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

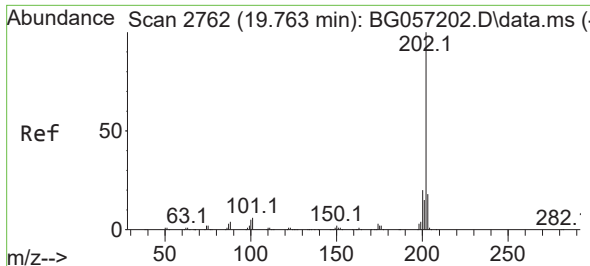


#74
Di-n-butylphthalate
Concen: 6.874 ng
RT: 18.629 min Scan# 2569
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25



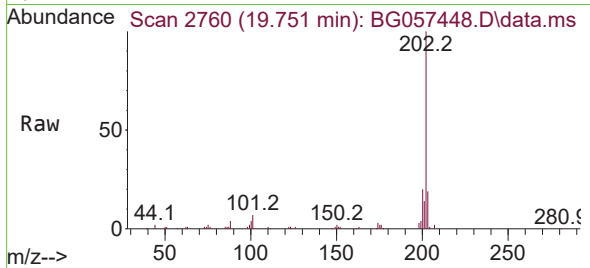
Tgt Ion:149 Resp: 50473
Ion Ratio Lower Upper
149 100
150 8.8 7.3 10.9
104 5.8 5.4 8.2





#75
Fluoranthene
Concen: 6.898 ng
RT: 19.751 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

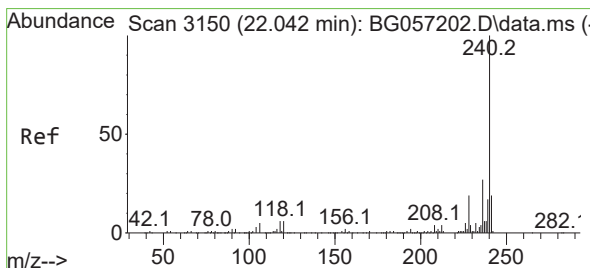
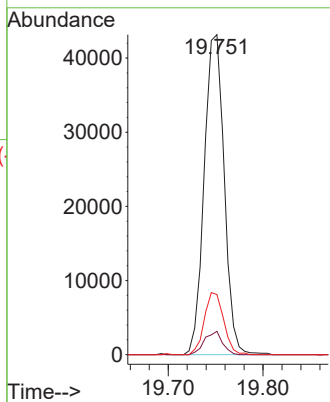
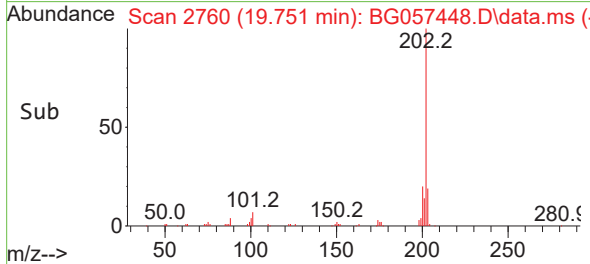
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:202 Resp: 63374
Ion Ratio Lower Upper
202 100
101 7.3 0.0 26.2
203 18.8 0.0 37.9

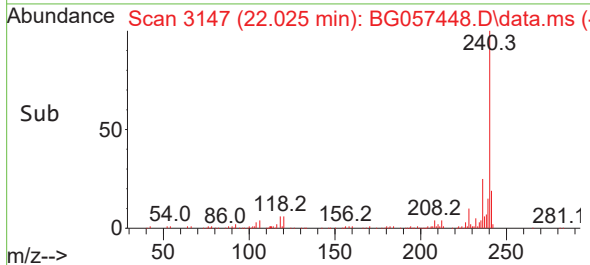
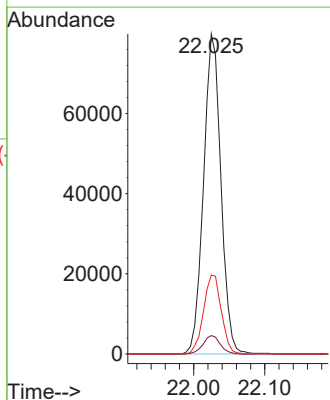
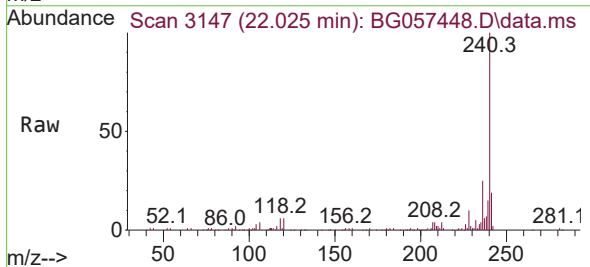
Manual Integrations
APPROVED

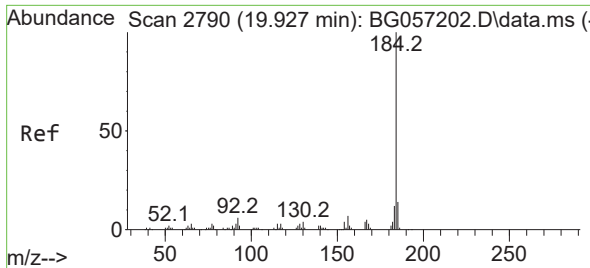
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.025 min Scan# 3147
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

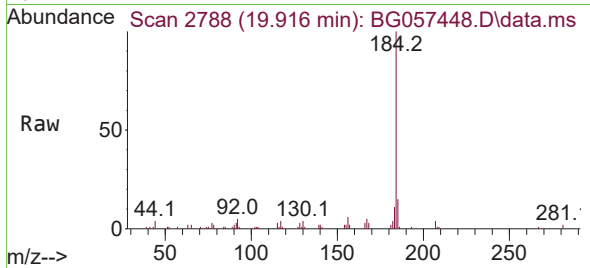
Tgt Ion:240 Resp: 135712
Ion Ratio Lower Upper
240 100
120 5.8 4.9 7.3
236 24.7 21.4 32.2





#77
Benzidine
Concen: 9.855 ng
RT: 19.916 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

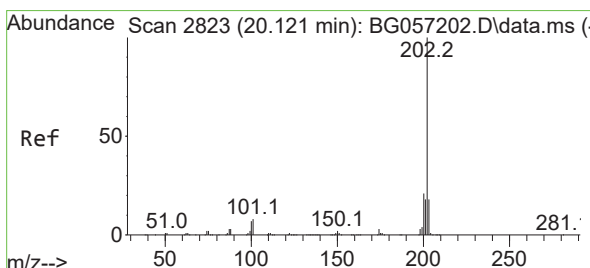
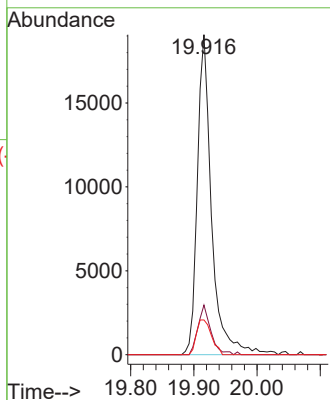
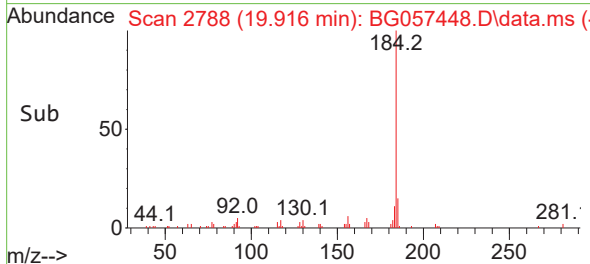
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion:184 Resp: 2989
Ion Ratio Lower Upper
184 100
185 15.5 11.1 16.7
183 10.8 9.9 14.9

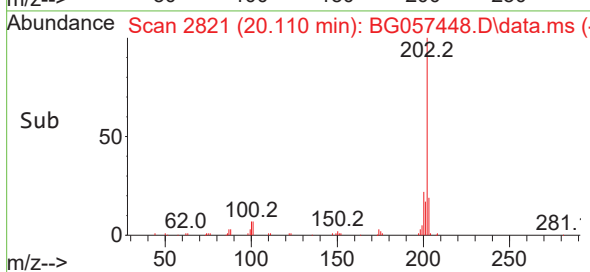
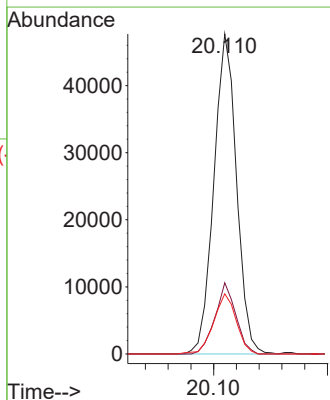
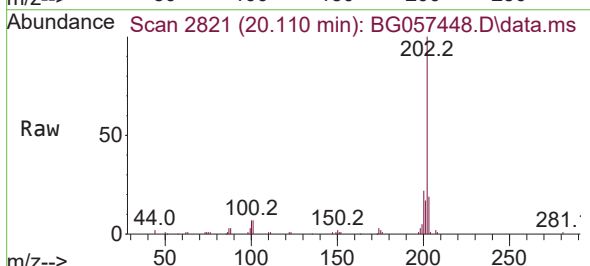
Manual Integrations
APPROVED

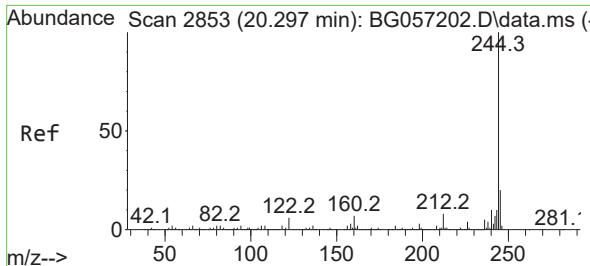
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#78
Pyrene
Concen: 6.694 ng
RT: 20.110 min Scan# 2821
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

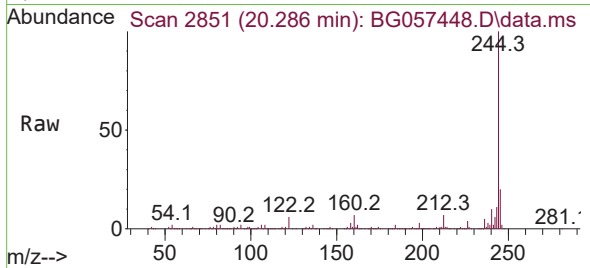
Tgt Ion:202 Resp: 66018
Ion Ratio Lower Upper
202 100
200 22.2 17.0 25.4
203 18.8 14.2 21.4





#79
 Terphenyl-d14
 Concen: 56.750 ng
 RT: 20.286 min Scan# 2193
 Delta R.T. -0.003 min
 Lab File: BG057448.D
 Acq: 17 May 2023 17:25

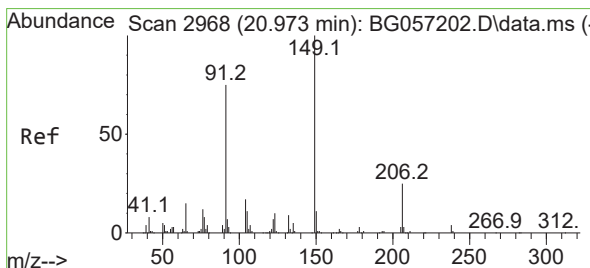
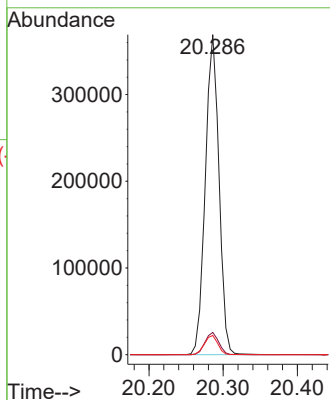
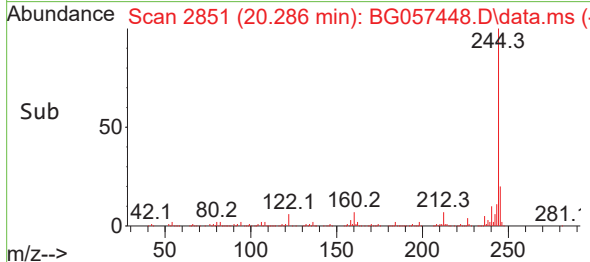
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023



Tgt Ion:244 Resp: 471939
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 6.0 5.1 7.7

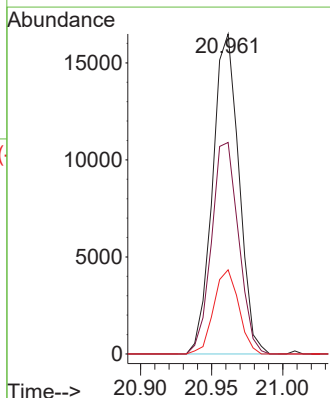
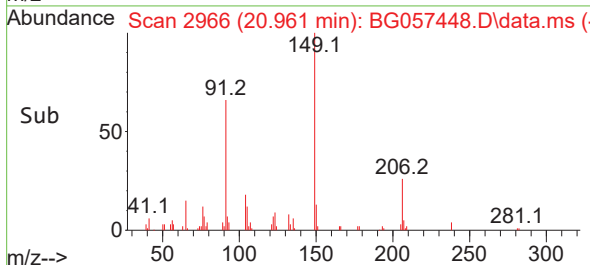
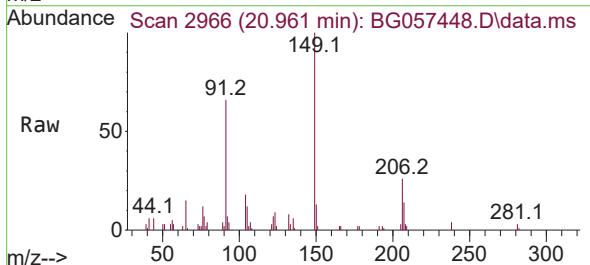
Manual Integrations
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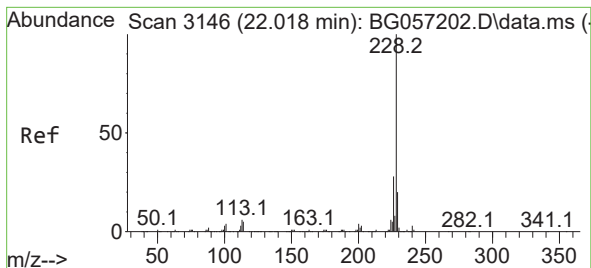
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023



#80
 Butylbenzylphthalate
 Concen: 6.798 ng
 RT: 20.961 min Scan# 2966
 Delta R.T. -0.003 min
 Lab File: BG057448.D
 Acq: 17 May 2023 17:25

Tgt Ion:149 Resp: 21270
 Ion Ratio Lower Upper
 149 100
 91 66.1 59.7 89.5
 206 26.3 19.7 29.5





#81

Benzo(a)anthracene

Concen: 6.817 ng

RT: 22.007 min Scan# 3144

Delta R.T. -0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023

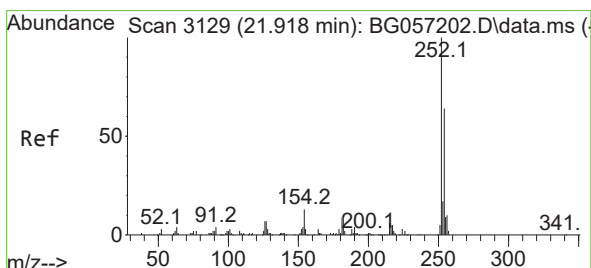
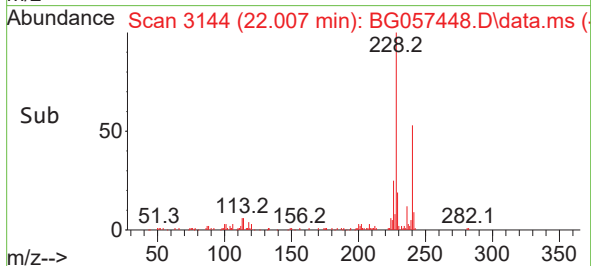
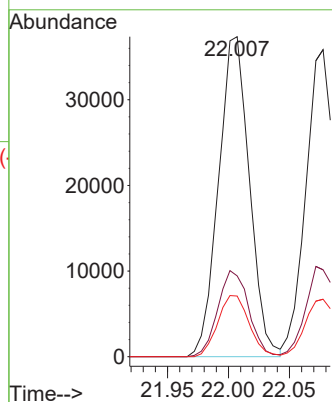
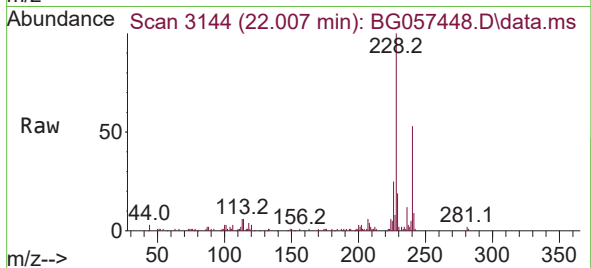
Tgt Ion:	228	Resp:	65912
Ion Ratio	Lower	Upper	
228	100		
226	25.3	22.0	33.0
229	18.9	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#82

3,3'-Dichlorobenzidine

Concen: 8.286 ng

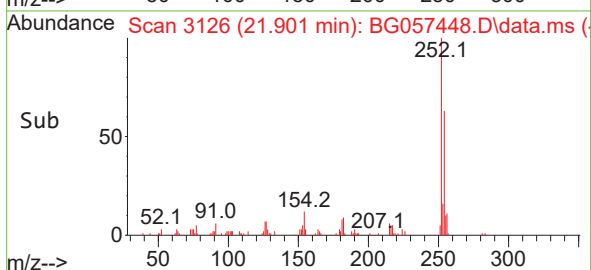
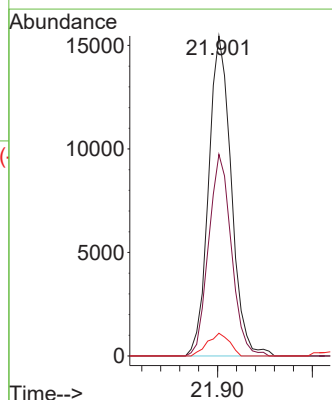
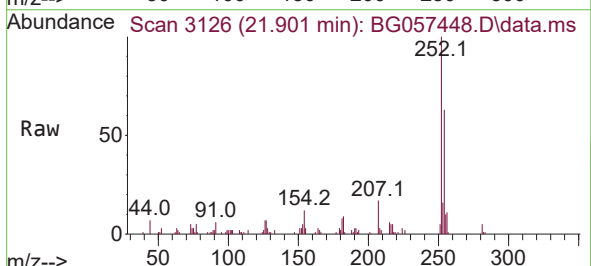
RT: 21.901 min Scan# 3126

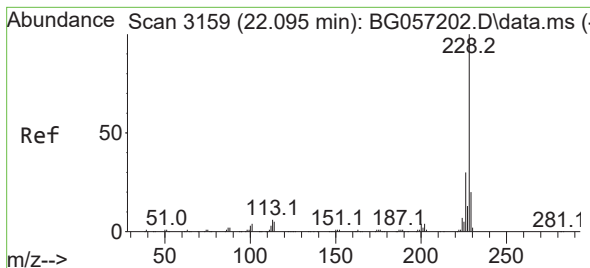
Delta R.T. -0.003 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

Tgt Ion:	252	Resp:	25663
Ion Ratio	Lower	Upper	
252	100		
254	63.0	51.4	77.0
126	7.1	5.9	8.9





#83

Chrysene

Concen: 6.699 ng

RT: 22.078 min Scan# 3117

Delta R.T. -0.003 min

Lab File: BG057448.D

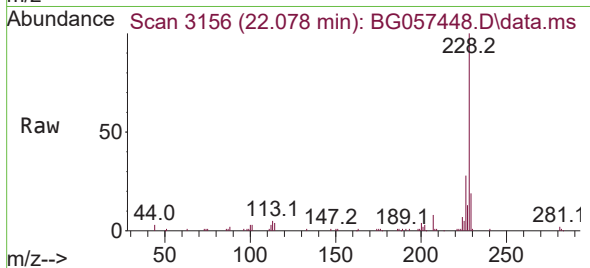
Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2023



Tgt Ion:228 Resp: 60940

Ion Ratio Lower Upper

228 100

226 28.3 24.3 36.5

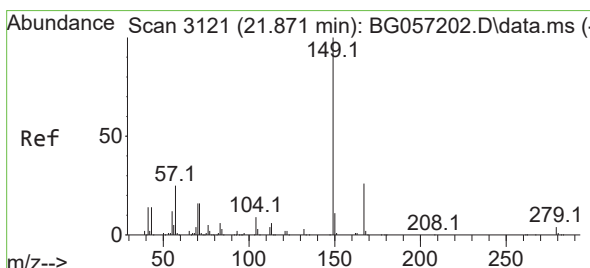
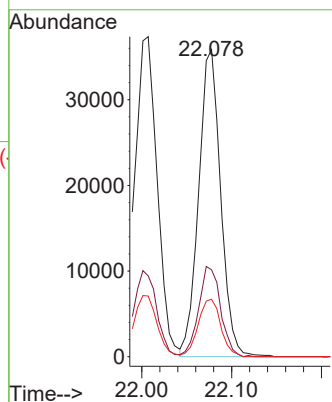
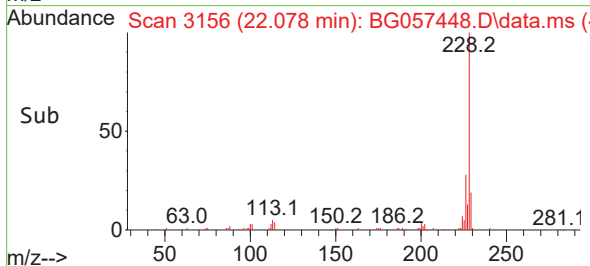
229 18.7 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.589 ng

RT: 21.849 min Scan# 3117

Delta R.T. -0.008 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

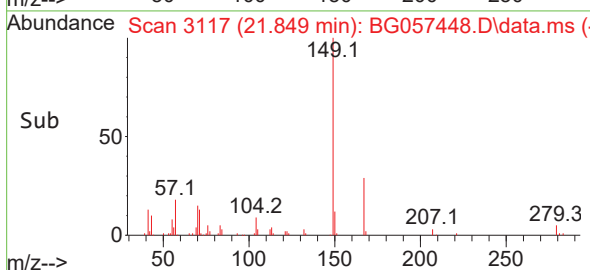
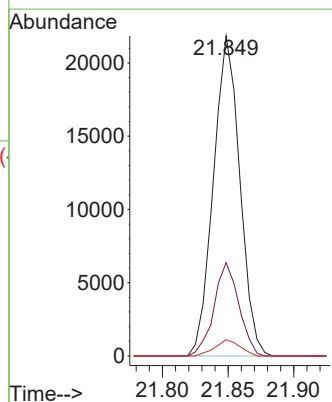
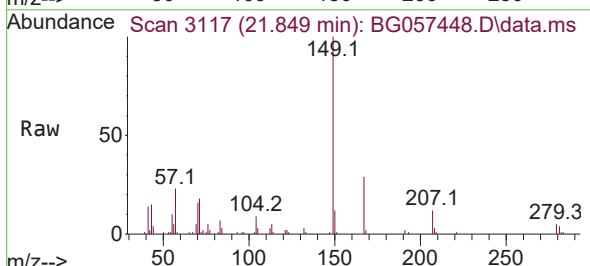
Tgt Ion:149 Resp: 30506

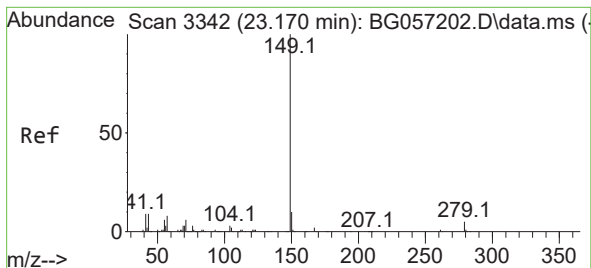
Ion Ratio Lower Upper

149 100

167 29.1 21.2 31.8

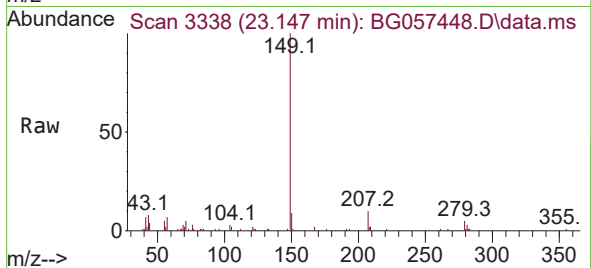
279 5.1 3.5 5.3





#85
Di-n-octyl phthalate
Concen: 6.632 ng
RT: 23.147 min Scan# 3118
Delta R.T. -0.003 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

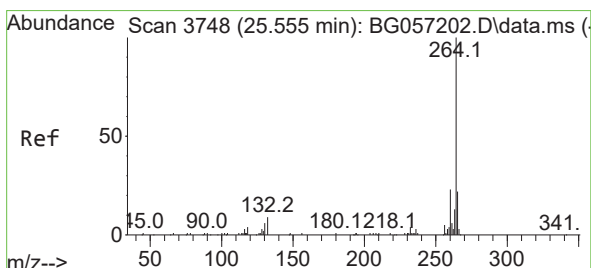
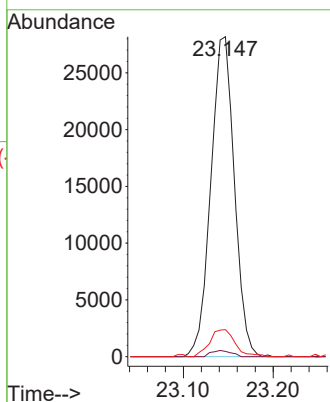
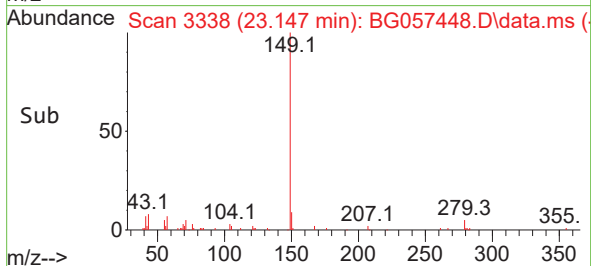
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



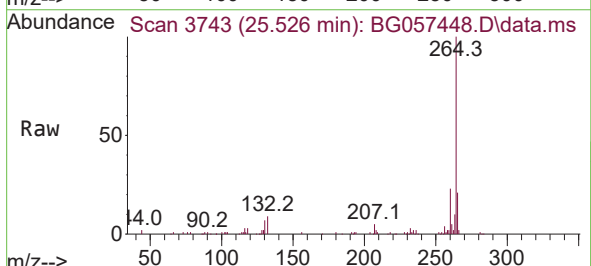
Tgt Ion:149 Resp: 5118
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.2 7.8 11.8

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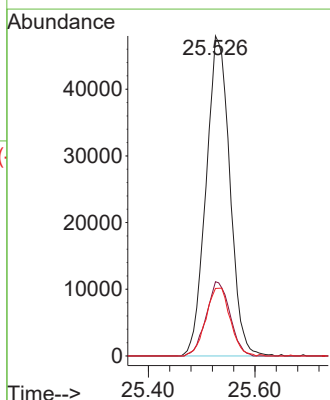
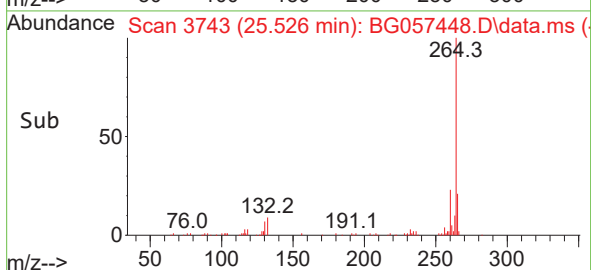
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

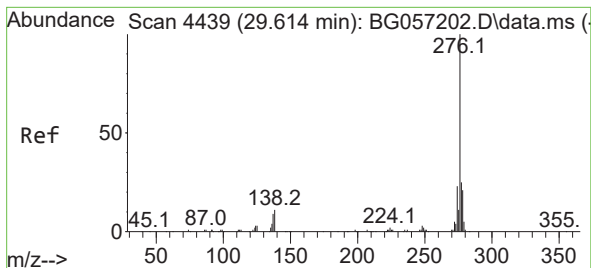


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.526 min Scan# 3743
Delta R.T. -0.008 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25



Tgt Ion:264 Resp: 148221
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 21.1 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.557 ng

RT: 29.567 min Scan# 4439

Delta R.T. -0.032 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

Instrument :

BNA_G

ClientSampleId :

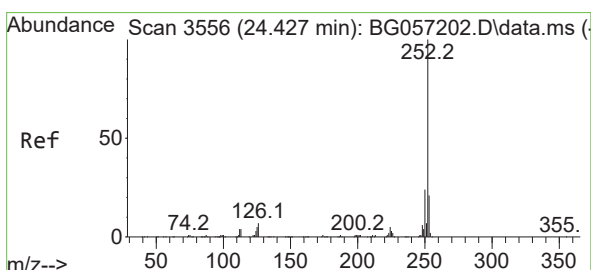
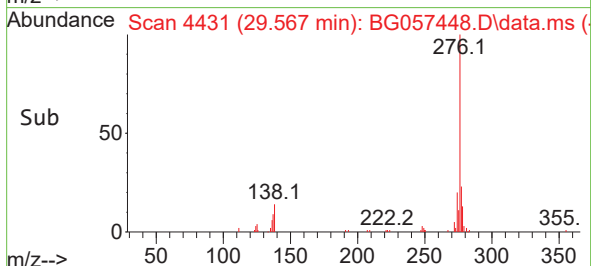
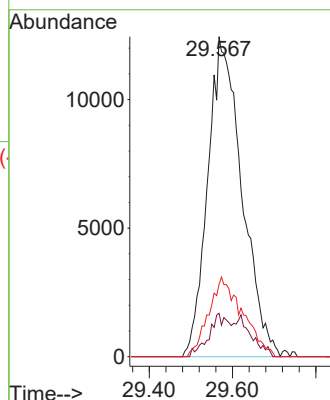
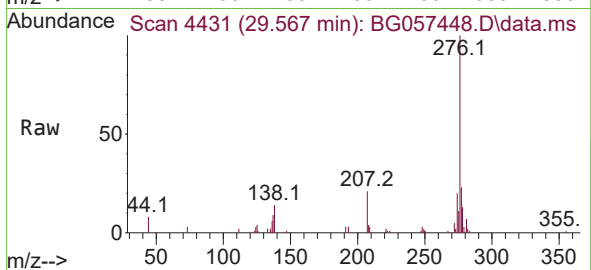
LOQ-SOIL-02-QT2-2023

Tgt Ion:276 Resp: 70830
 Ion Ratio Lower Upper
 276 100
 138 5.2 5.4 8.0
 277 24.8 20.6 30.8

Manual Integrations

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



#88

Benzo(b)fluoranthene

Concen: 6.877 ng

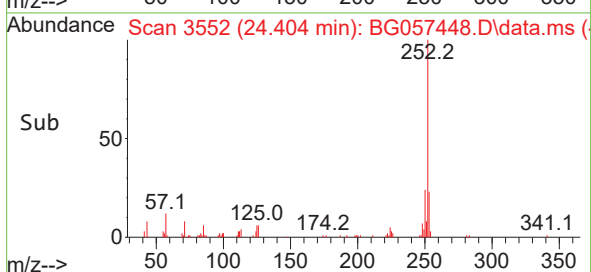
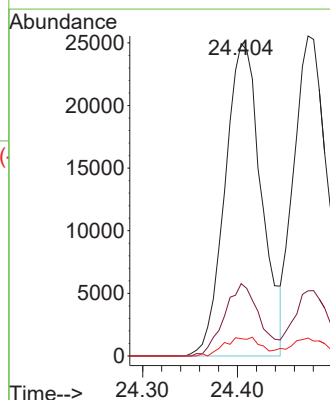
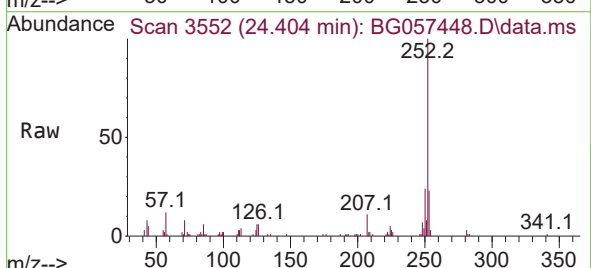
RT: 24.404 min Scan# 3552

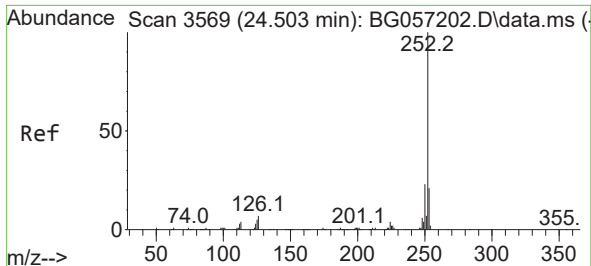
Delta R.T. -0.008 min

Lab File: BG057448.D

Acq: 17 May 2023 17:25

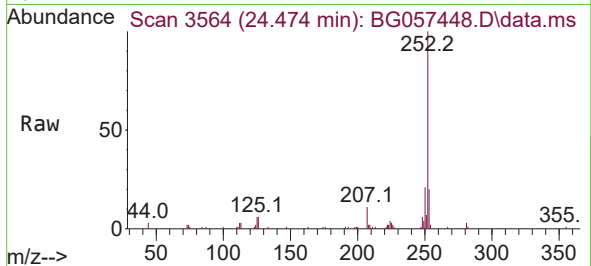
Tgt Ion:252 Resp: 66636
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.0 25.6
 125 5.6 4.2 6.2





#89
Benzo(k)fluoranthene
Concen: 6.478 ng
RT: 24.474 min Scan# 3115
Delta R.T. -0.014 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

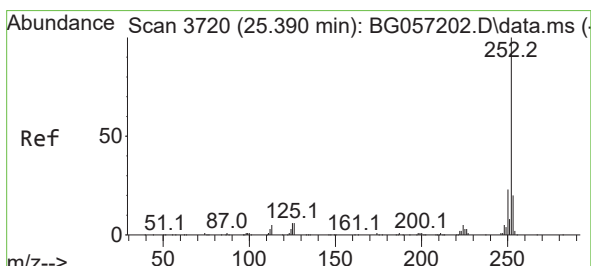
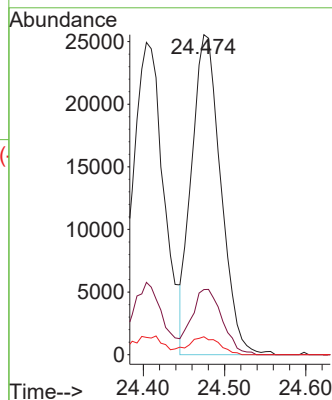
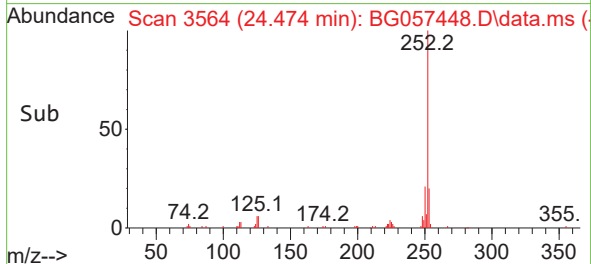
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



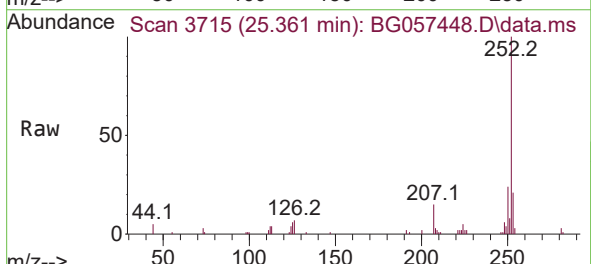
Tgt Ion:252 Resp: 6377
Ion Ratio Lower Upper
252 100
253 20.4 17.4 26.0
125 5.6 4.1 6.1

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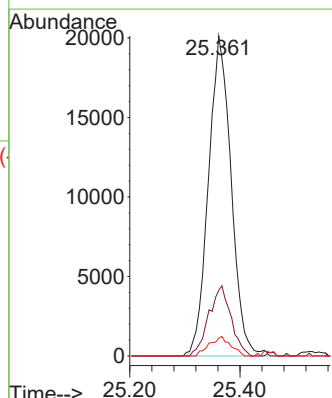
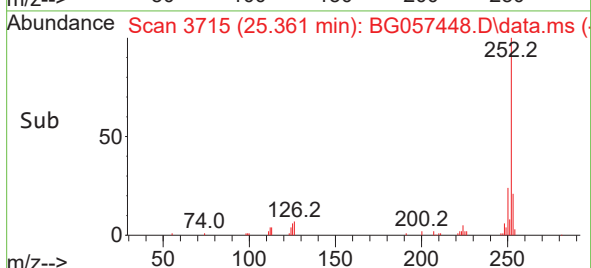
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

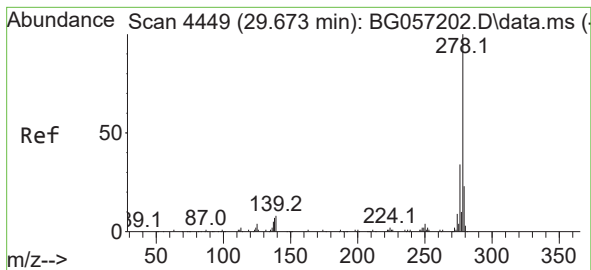


#90
Benzo(a)pyrene
Concen: 6.107 ng
RT: 25.361 min Scan# 3715
Delta R.T. -0.014 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25



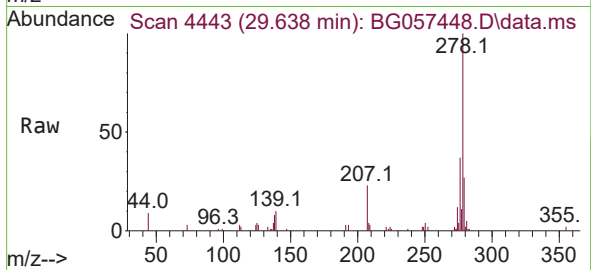
Tgt Ion:252 Resp: 57811
Ion Ratio Lower Upper
252 100
253 20.6 16.3 24.5
125 5.6 5.0 7.4





#91
Dibenzo(a,h)anthracene
Concen: 6.544 ng
RT: 29.638 min Scan# 4443
Delta R.T. -0.014 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25

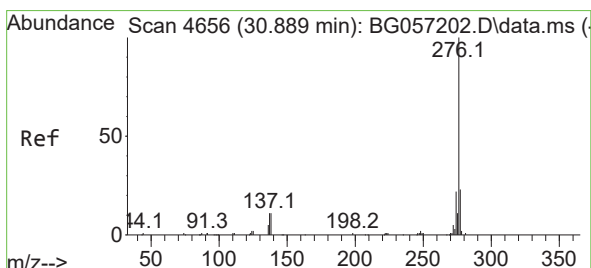
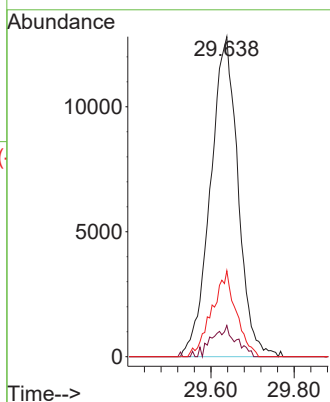
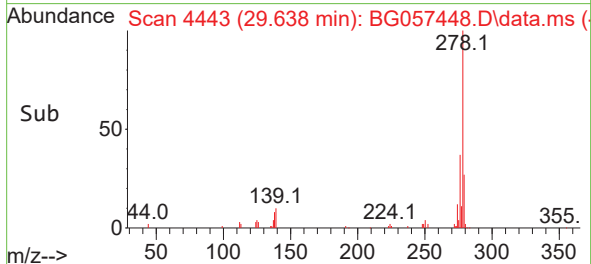
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2023



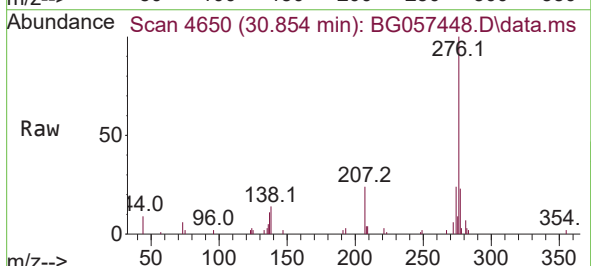
Tgt Ion:278 Resp: 58870
Ion Ratio Lower Upper
278 100
139 9.7 6.2 9.2
279 26.9 18.6 27.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 6.577 ng
RT: 30.854 min Scan# 4650
Delta R.T. -0.020 min
Lab File: BG057448.D
Acq: 17 May 2023 17:25



Tgt Ion:276 Resp: 57775
Ion Ratio Lower Upper
276 100
277 23.3 18.4 27.6
138 13.7 9.0 13.4

