

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
 Data File : BG057463.D
 Acq On : 19 May 2023 11:30
 Operator : CG/JU
 Sample : 02213-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/22/2023
 Supervised By : Jagrut Upadhyay 05/22/2023

Quant Time: May 20 07:02:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.356	152	17801	20.000	ng	0.00
21) Naphthalene-d8	11.194	136	71202	20.000	ng	0.00
39) Acenaphthene-d10	14.971	164	58270	20.000	ng	0.00
64) Phenanthrene-d10	17.708	188	148299	20.000	ng	0.00
76) Chrysene-d12	22.014	240	137295	20.000	ng	0.00
86) Perylene-d12	25.510	264	144894	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.871	112	100475	96.553	ng	0.00
7) Phenol-d6	7.499	99	153480	97.125	ng	0.00
23) Nitrobenzene-d5	9.537	82	114518	67.504	ng	0.00
42) 2,4,6-Tribromophenol	16.457	330	87436	105.754	ng	0.00
45) 2-Fluorobiphenyl	13.596	172	306908	70.936	ng	0.00
79) Terphenyl-d14	20.281	244	569582	67.702	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.674	88	1455	3.382	ng	# 85
3) Pyridine	4.121	79	3851	2.785	ng	# 75
4) n-Nitrosodimethylamine	4.015	42	1849	2.845	ng	# 91
6) Aniline	7.675	93	6493	3.239	ng	96
8) 2-Chlorophenol	7.916	128	3841	3.493	ng	90
10) Phenol	7.522	94	5114	3.320	ng	# 77
11) bis(2-Chloroethyl)ether	7.757	93	4021	3.462	ng	90
12) 1,3-Dichlorobenzene	8.245	146	4502	3.710	ng	88
13) 1,4-Dichlorobenzene	8.397	146	4611	3.782	ng	91
14) 1,2-Dichlorobenzene	8.721	146	4434m	3.768	ng	
15) Benzyl Alcohol	8.597	79	3607	2.740	ng	# 89
16) 2,2'-oxybis(1-Chloropr...	8.867	45	4442	3.034	ng	89
17) 2-Methylphenol	8.791	107	3518	3.168	ng	# 93
18) Hexachloroethane	9.461	117	1534	3.487	ng	# 78
19) n-Nitroso-di-n-propyla...	9.155	70	3579	2.970	ng	# 93
20) 3+4-Methylphenols	9.126	107	4527	2.977	ng	98
22) Acetophenone	9.185	105	6561	3.219	ng	# 97
24) Nitrobenzene	9.578	77	6116	3.572	ng	90
25) Isophorone	10.095	82	10222	3.107	ng	99
26) 2-Nitrophenol	10.301	139	2293	3.499	ng	89
27) 2,4-Dimethylphenol	10.342	122	3778	3.292	ng	91
28) bis(2-Chloroethoxy)met...	10.571	93	5624	3.413	ng	# 98
29) 2,4-Dichlorophenol	10.847	162	4313	3.543	ng	97
30) 1,2,4-Trichlorobenzene	11.053	180	5276	3.758	ng	95
31) Naphthalene	11.247	128	13312	3.497	ng	97
33) 4-Chloroaniline	11.358	127	5646	3.303	ng	# 92
34) Hexachlorobutadiene	11.517	225	3465	3.326	ng	# 86
35) Caprolactam	12.098	113	1094	2.631	ng	# 64
36) 4-Chloro-3-methylphenol	12.451	107	4708	3.404	ng	91
37) 2-Methylnaphthalene	12.827	142	10672m	3.566	ng	
38) 1-Methylnaphthalene	13.038	142	9925	3.518	ng	94
40) 1,2,4,5-Tetrachloroben...	13.191	216	7494	3.623	ng	# 98
41) Hexachlorocyclopentadiene	13.156	237	355	6.624	ng	78
43) 2,4,6-Trichlorophenol	13.432	196	4219	3.348	ng	85
44) 2,4,5-Trichlorophenol	13.514	196	4470m	3.015	ng	
46) 1,1'-Biphenyl	13.808	154	15616	3.612	ng	98

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Manual Integrations
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Reviewed By :Christian Giraldo 05/22/2023
 Supervised By :Jagrut Upadhyay 05/22/2023

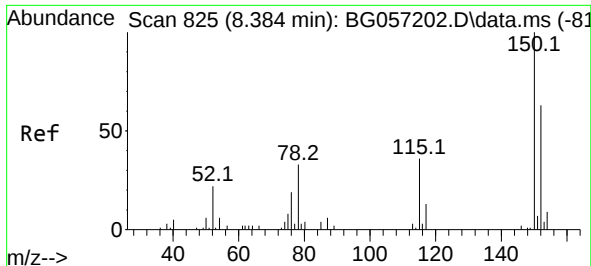
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	13.861	162	11929	3.710	ng	98
48) 2-Nitroaniline	14.066	65	3154	2.885	ng	97
49) Acenaphthylene	14.701	152	18378	3.518	ng	99
50) Dimethylphthalate	14.407	163	16032	3.348	ng	97
51) 2,6-Dinitrotoluene	14.542	165	3423	3.501	ng	# 74
52) Acenaphthene	15.036	154	11662	3.573	ng	93
53) 3-Nitroaniline	14.877	138	3284	3.353	ng	96
55) Dibenzofuran	15.365	168	20157	3.675	ng	# 89
56) 4-Nitrophenol	15.206	139	1312	2.014	ng	# 67
57) 2,4-Dinitrotoluene	15.329	165	4577	3.276	ng	# 84
58) Fluorene	16.011	166	15894	3.518	ng	# 94
59) 2,3,4,6-Tetrachlorophenol	15.600	232	4115	3.062	ng	# 98
60) Diethylphthalate	15.752	149	16389	3.370	ng	99
61) 4-Chlorophenyl-phenyle...	15.987	204	9262	3.403	ng	97
62) 4-Nitroaniline	16.028	138	3015	3.051	ng	83
63) Azobenzene	16.287	77	14242	3.035	ng	94
66) n-Nitrosodiphenylamine	16.205	169	14151	3.513	ng	97
67) 4-Bromophenyl-phenylether	16.886	248	6208	3.429	ng	87
68) Hexachlorobenzene	17.015	284	7090	4.030	ng	94
69) Atrazine	17.133	200	5960	3.879	ng	90
71) Phenanthrene	17.755	178	27308	3.594	ng	99
72) Anthracene	17.844	178	27144	3.481	ng	100
73) Carbazole	18.108	167	22383	3.410	ng	97
74) Di-n-butylphthalate	18.625	149	23749	3.144	ng	98
75) Fluoranthene	19.747	202	31895	3.375	ng	97
77) Benzidine	19.911	184	11479	3.740	ng	97
78) Pyrene	20.105	202	33502	3.358	ng	97
80) Butylbenzylphthalate	20.951	149	10230	3.232	ng	91
81) Benzo(a)anthracene	21.997	228	33922	3.468	ng	98
82) 3,3'-Dichlorobenzidine	21.897	252	12596	4.020	ng	92
83) Chrysene	22.067	228	31815	3.457	ng	99
84) Bis(2-ethylhexyl)phtha...	21.844	149	15670	3.346	ng	93
85) Di-n-octyl phthalate	23.130	149	26422	3.384	ng	# 95
87) Indeno(1,2,3-cd)pyrene	29.551	276	36468	3.453	ng	# 97
88) Benzo(b)fluoranthene	24.388	252	33600	3.547	ng	97
89) Benzo(k)fluoranthene	24.470	252	33859	3.518	ng	98
90) Benzo(a)pyrene	25.351	252	28516	3.082	ng	97
91) Dibenzo(a,h)anthracene	29.610	278	30004	3.412	ng	98
92) Benzo(g,h,i)perylene	30.826	276	29079	3.386	ng	94

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

Manual Integrations APPROVED

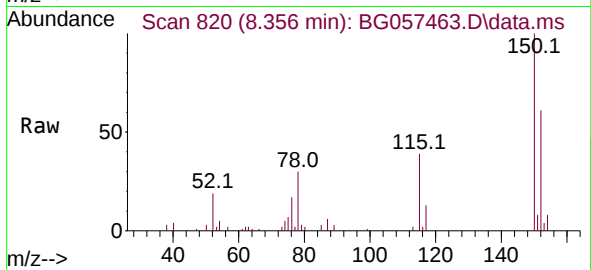
Quant Time: May 20 07:02:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:19:55 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.356 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

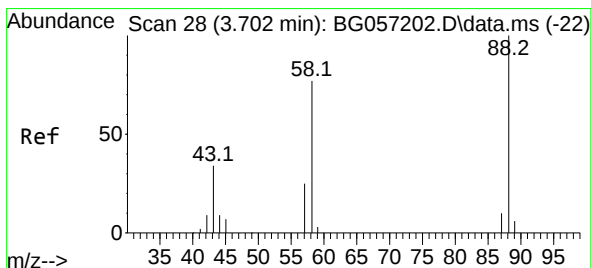
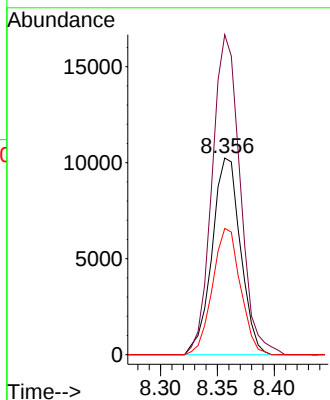
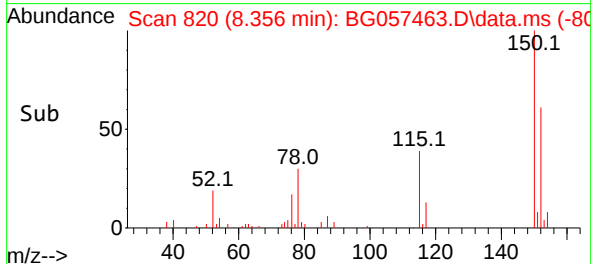
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:152 Resp: 1780
Ion Ratio Lower Upper
152 100
150 162.7 126.2 189.4
115 64.2 45.0 67.4

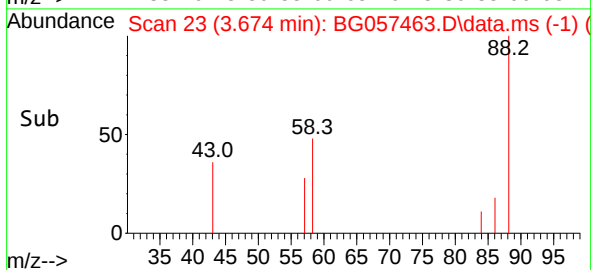
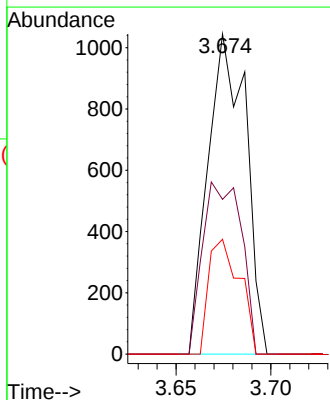
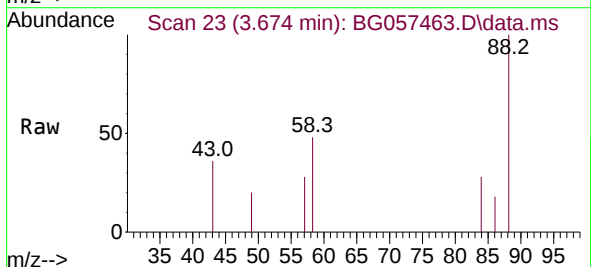
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#2
1,4-Dioxane
Concen: 3.382 ng
RT: 3.674 min Scan# 23
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

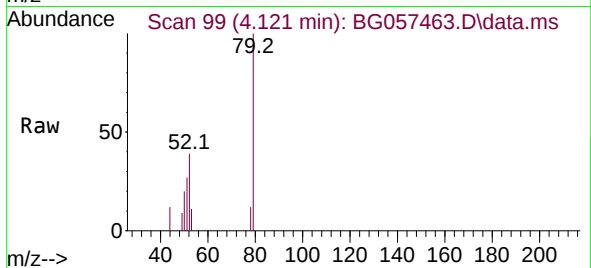
Tgt Ion: 88 Resp: 1455
Ion Ratio Lower Upper
88 100
58 54.8 57.1 85.7#
43 29.2 24.4 36.6





#3
Pyridine
Concen: 2.785 ng
RT: 4.121 min Scan# 90
Delta R.T. 0.018 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

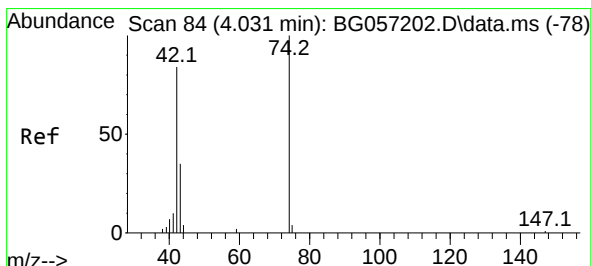
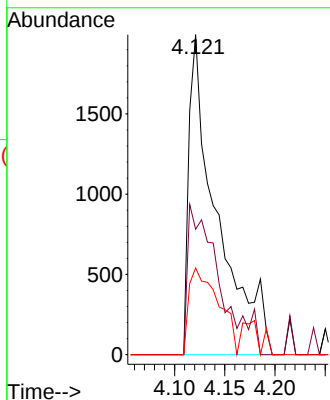
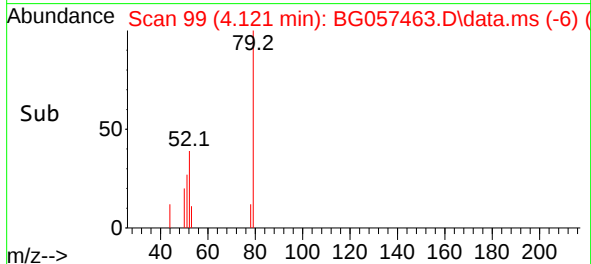
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 79 Resp: 385
Ion Ratio Lower Upper
79 100
52 39.2 51.4 77.0
51 27.1 28.0 42.0

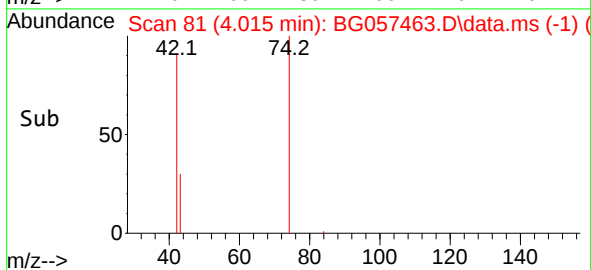
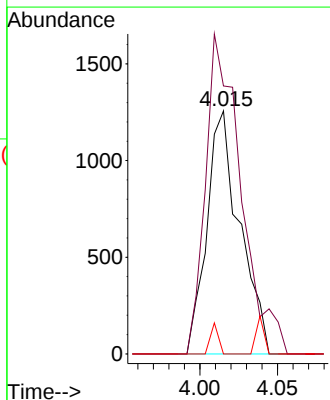
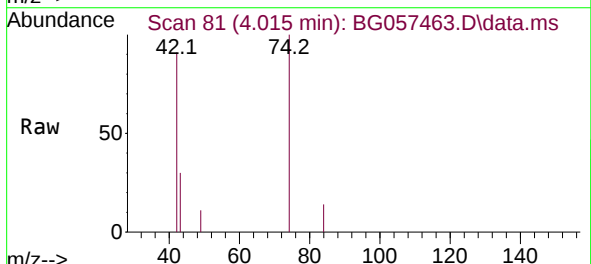
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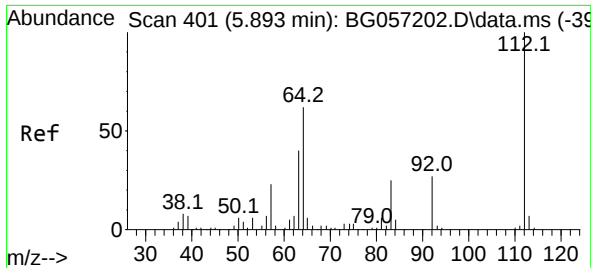
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#4
n-Nitrosodimethylamine
Concen: 2.845 ng
RT: 4.015 min Scan# 81
Delta R.T. 0.006 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

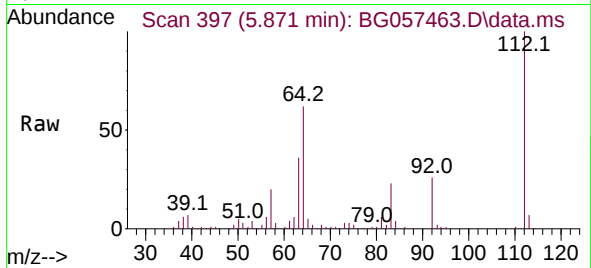
Tgt Ion: 42 Resp: 1849
Ion Ratio Lower Upper
42 100
74 110.3 95.1 142.7
44 0.0 5.8 8.8





#5
2-Fluorophenol
Concen: 96.553 ng
RT: 5.871 min Scan# 397
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

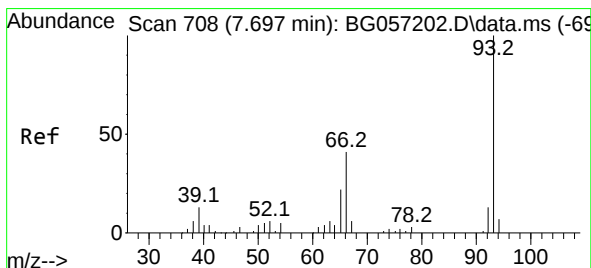
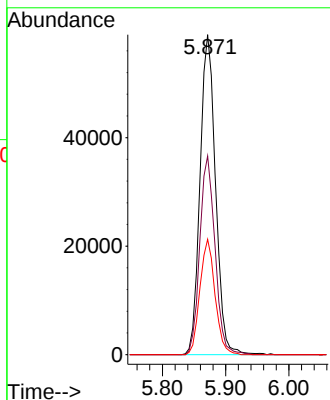
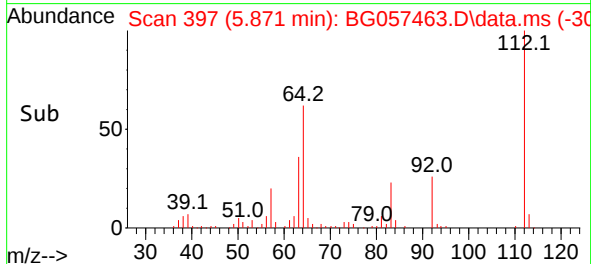
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:112 Resp: 100479
Ion Ratio Lower Upper
112 100
64 62.1 49.4 74.2
63 36.1 31.6 47.4

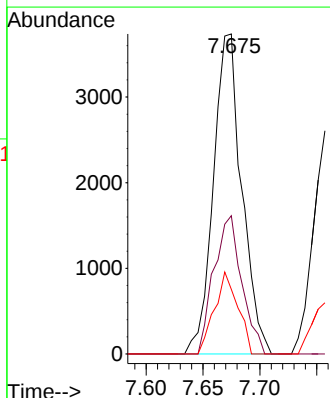
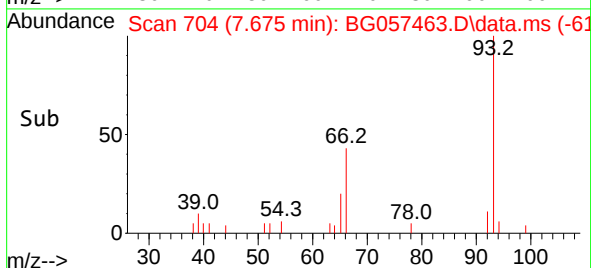
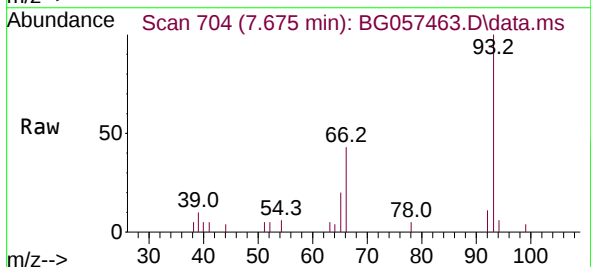
Manual Integrations
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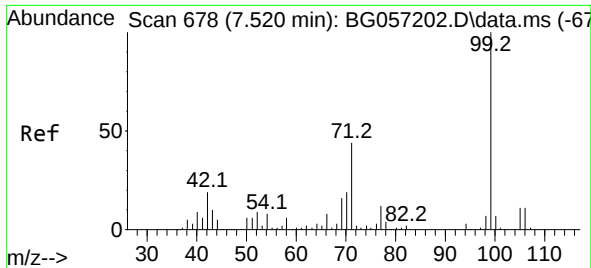
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#6
Aniline
Concen: 3.239 ng
RT: 7.675 min Scan# 704
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Tgt Ion: 93 Resp: 6493
Ion Ratio Lower Upper
93 100
66 43.2 33.0 49.6
65 20.2 18.0 27.0





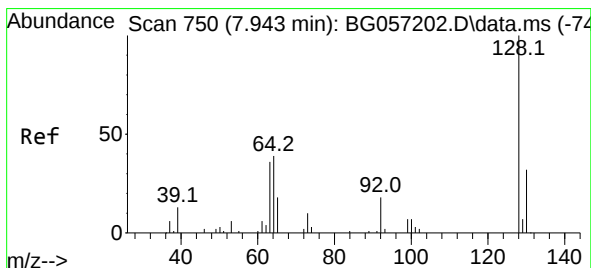
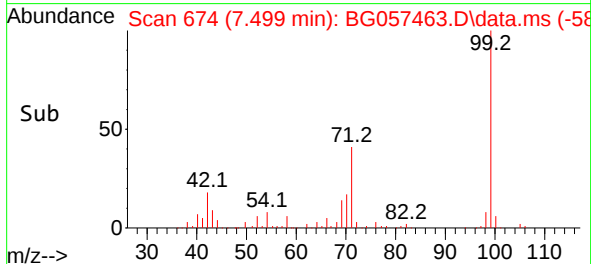
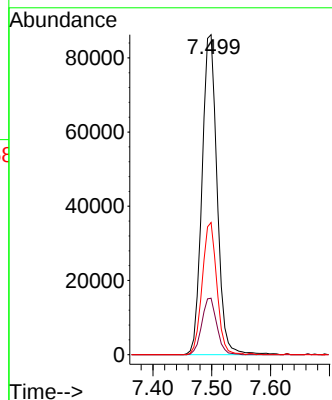
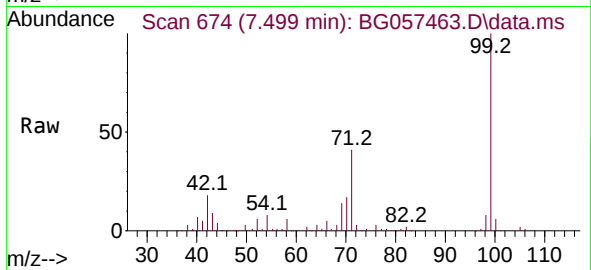
#7
Phenol-d6
Concen: 97.125 ng
RT: 7.499 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 99 Resp: 153480
Ion Ratio Lower Upper
99 100
42 17.7 15.1 22.7
71 41.3 35.2 52.8

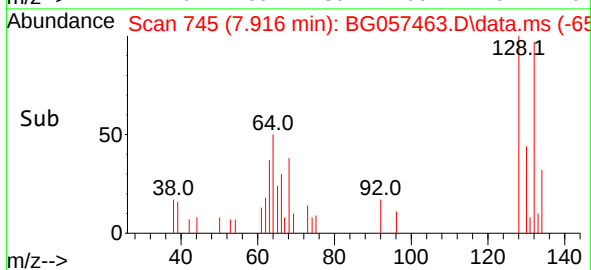
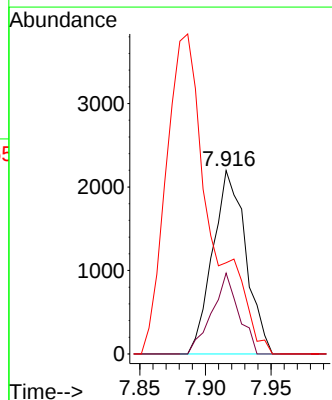
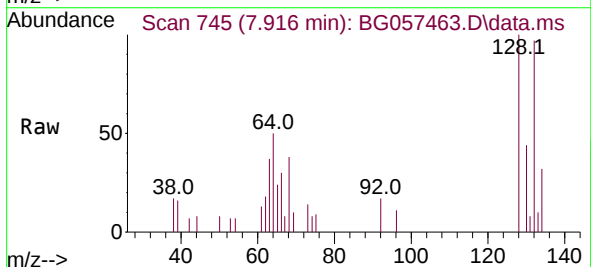
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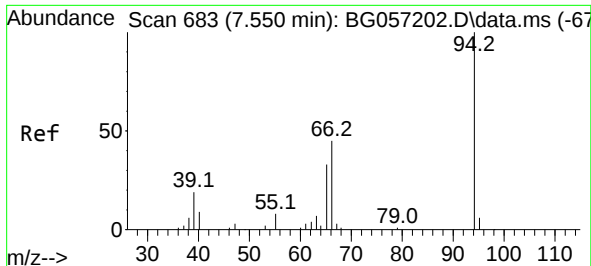
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#8
2-Chlorophenol
Concen: 3.493 ng
RT: 7.916 min Scan# 745
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Tgt Ion:128 Resp: 3841
Ion Ratio Lower Upper
128 100
130 44.1 12.2 52.2
64 49.7 28.4 68.4





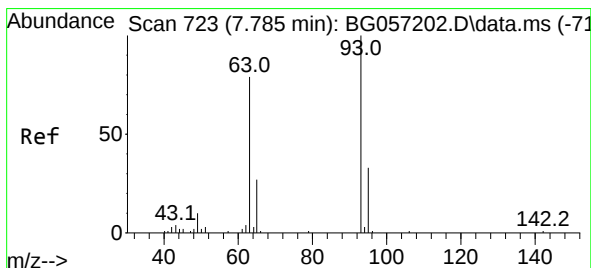
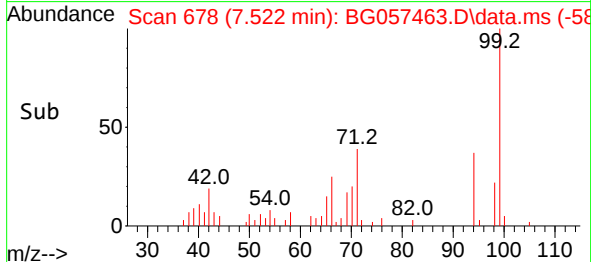
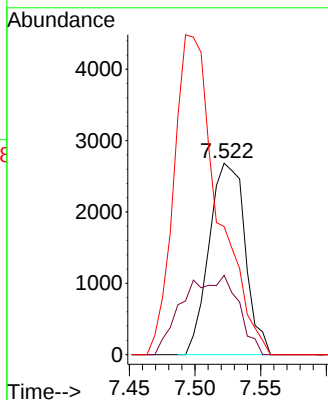
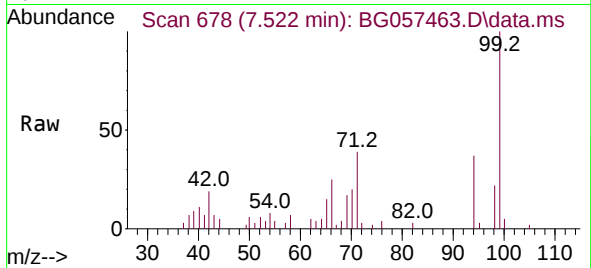
#10
Phenol
Concen: 3.320 ng
RT: 7.522 min Scan# 611
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 94 Resp: 5114
Ion Ratio Lower Upper
94 100
65 41.4 13.5 53.5
66 66.9 26.7 66.7

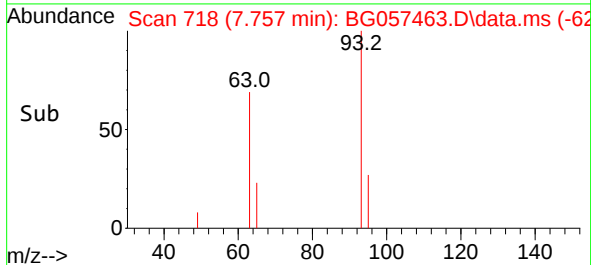
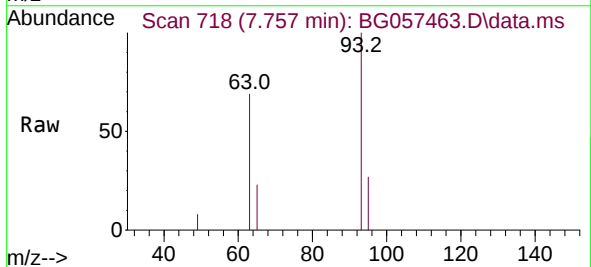
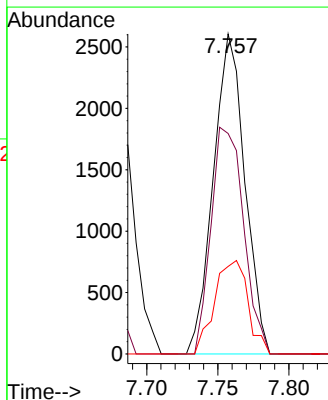
Manual Integrations
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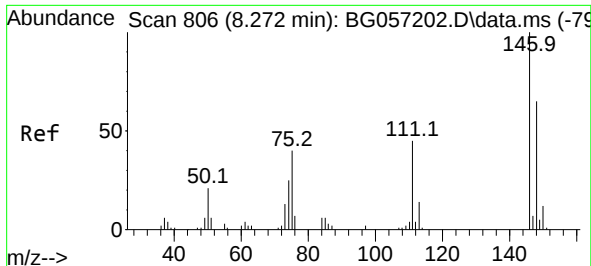
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#11
bis(2-Chloroethyl)ether
Concen: 3.462 ng
RT: 7.757 min Scan# 718
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Tgt Ion: 93 Resp: 4021
Ion Ratio Lower Upper
93 100
63 68.9 58.6 98.6
95 27.4 12.2 52.2





#12

1,3-Dichlorobenzene

Concen: 3.710 ng

RT: 8.245 min Scan# 806

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA_G

ClientSampleId :

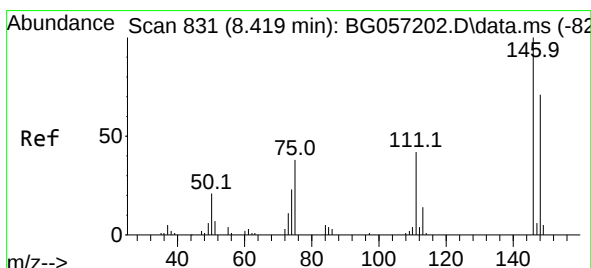
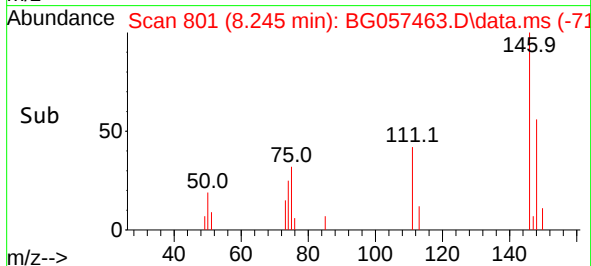
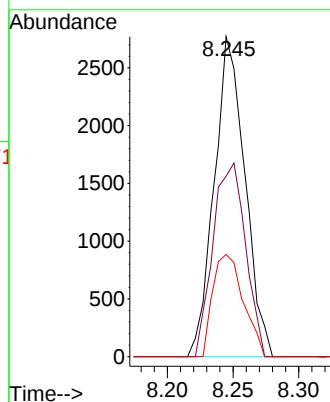
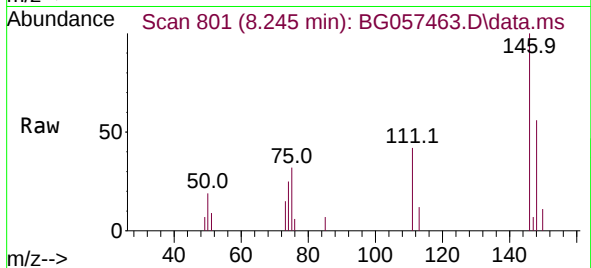
MDL-SOIL-03-QT2-2023

Tgt Ion:146 Resp: 4502
 Ion Ratio Lower Upper
 146 100
 148 56.4 52.2 78.2
 75 31.9 31.7 47.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/22/2023
 Supervised By :Jagrut Upadhyay 05/22/2023



#13

1,4-Dichlorobenzene

Concen: 3.782 ng

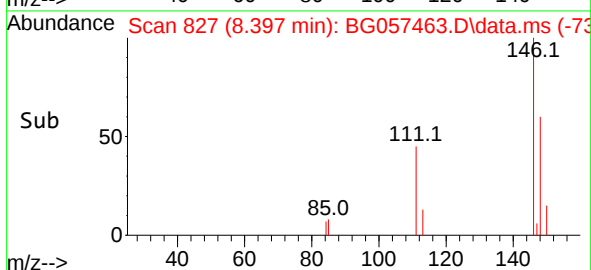
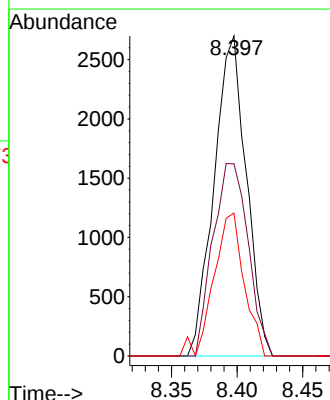
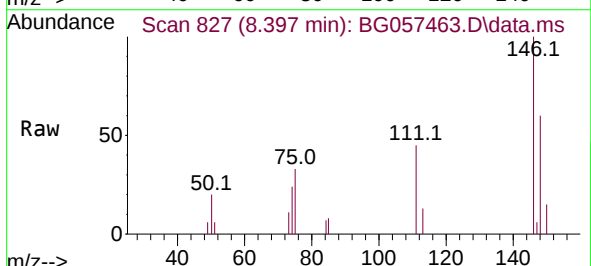
RT: 8.397 min Scan# 827

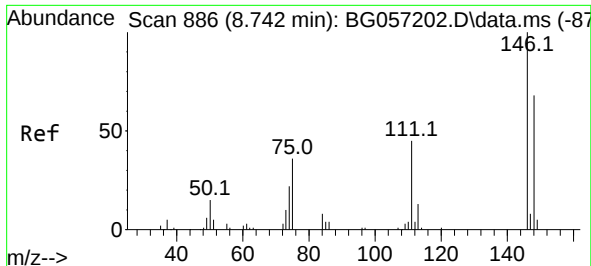
Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

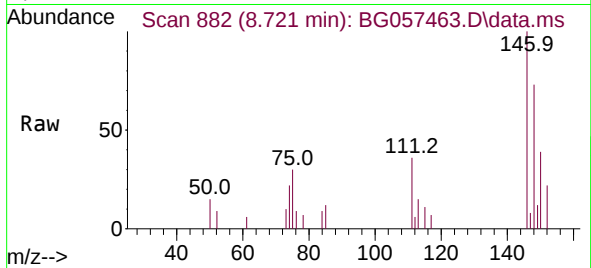
Tgt Ion:146 Resp: 4611
 Ion Ratio Lower Upper
 146 100
 148 60.0 56.4 84.6
 111 44.6 33.8 50.6





#14
1,2-Dichlorobenzene
Concen: 3.768 ng m
RT: 8.721 min Scan# 886
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

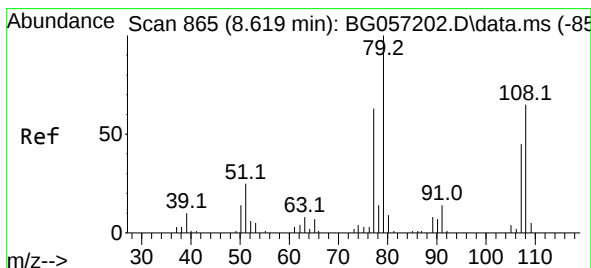
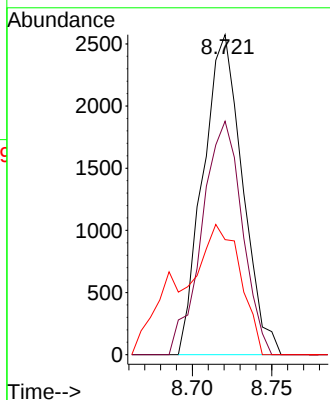
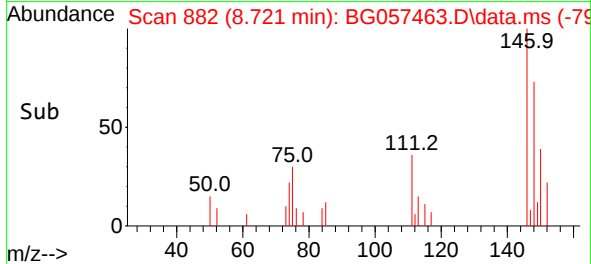
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:146 Resp: 4434
Ion Ratio Lower Upper
146 100
148 73.0 54.6 82.0
111 36.0 37.2 55.8

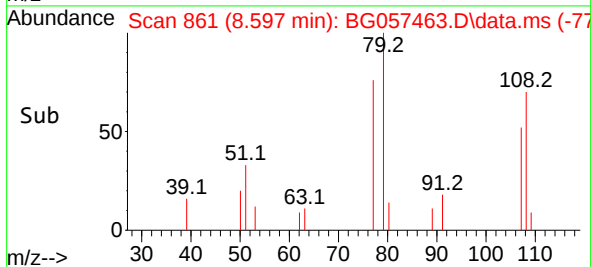
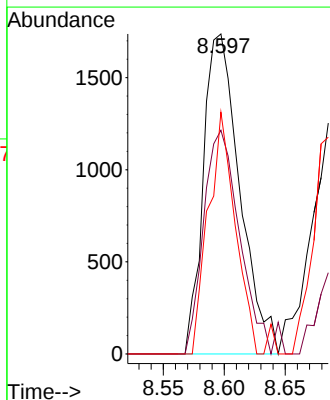
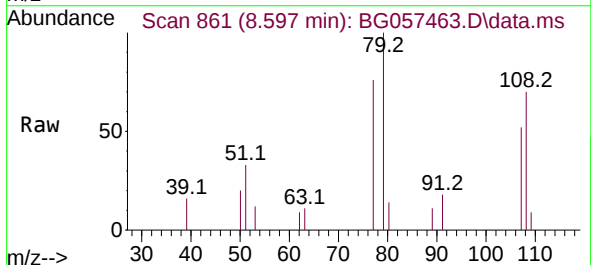
Manual Integrations
APPROVED

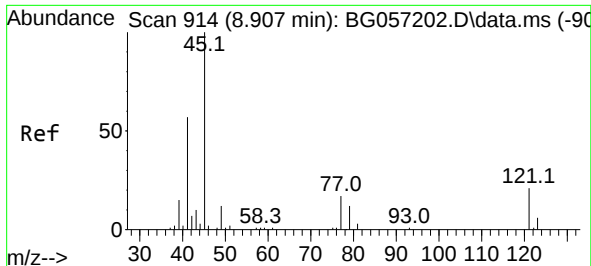
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#15
Benzyl Alcohol
Concen: 2.740 ng
RT: 8.597 min Scan# 861
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Tgt Ion: 79 Resp: 3607
Ion Ratio Lower Upper
79 100
108 69.9 52.2 78.2
77 75.5 50.1 75.1





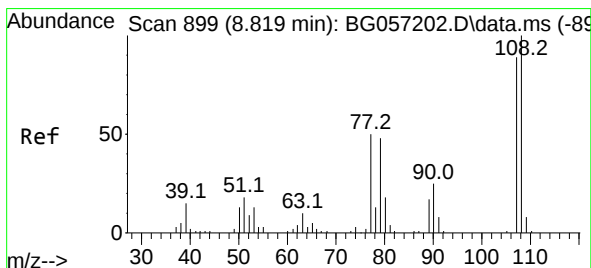
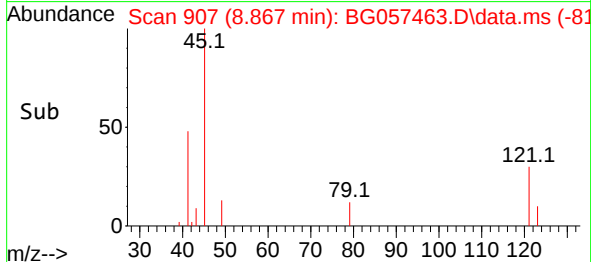
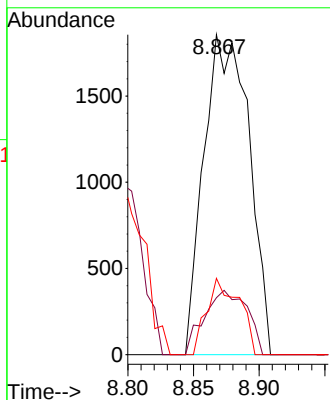
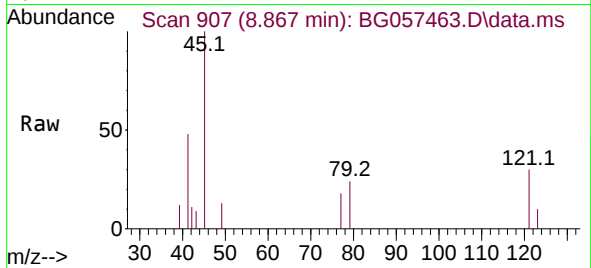
#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.034 ng
RT: 8.867 min Scan# 907
Delta R.T. -0.011 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 45 Resp: 444
Ion Ratio Lower Upper
45 100
77 17.8 0.0 38.5
79 23.8 0.0 33.8

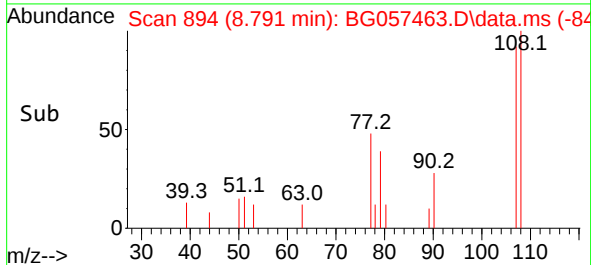
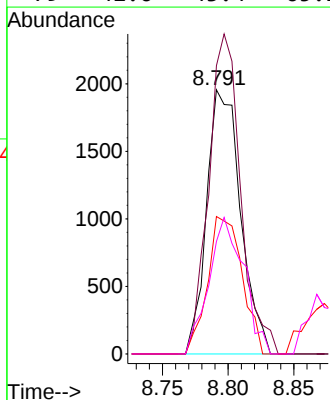
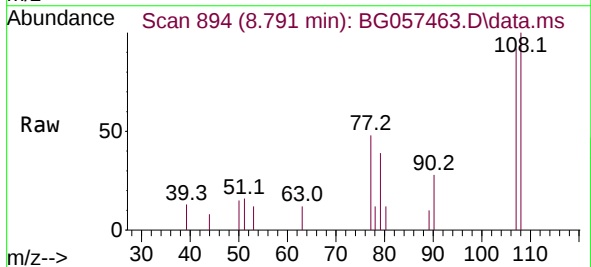
Manual Integrations
APPROVED

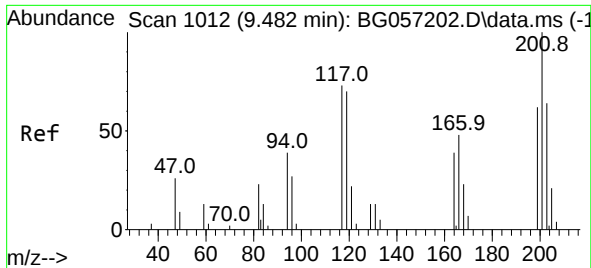
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#17
2-Methylphenol
Concen: 3.168 ng
RT: 8.791 min Scan# 894
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

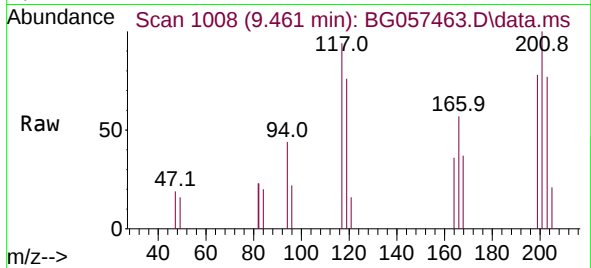
Tgt Ion:107 Resp: 3518
Ion Ratio Lower Upper
107 100
108 109.1 89.5 134.3
77 52.0 45.1 67.7
79 42.6 43.4 65.2#





#18
Hexachloroethane
Concen: 3.487 ng
RT: 9.461 min Scan# 1008
Delta R.T. 0.006 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

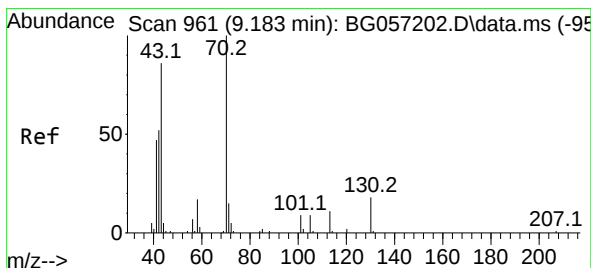
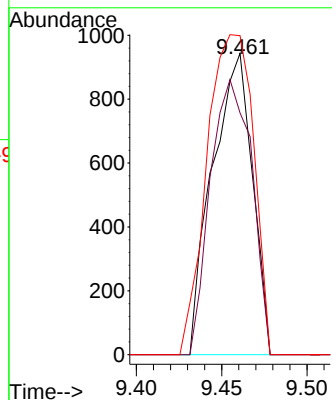
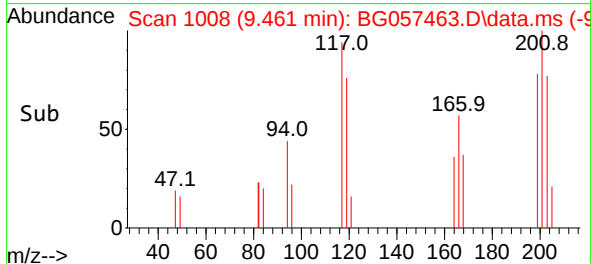
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



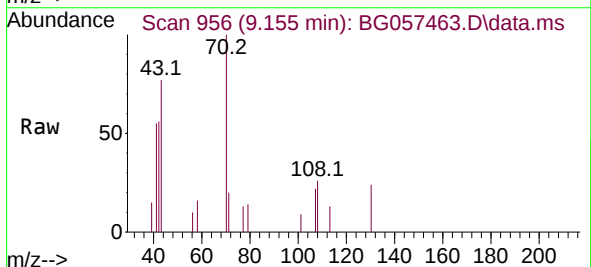
Tgt Ion:	117	Resp:	1534
Ion Ratio	Lower	Upper	
117	100		
119	80.2	76.7	115.1
201	105.8	109.0	163.4

Manual Integrations
APPROVED

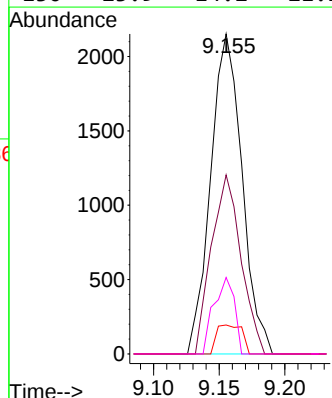
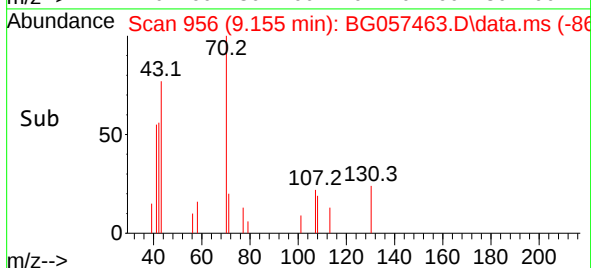
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

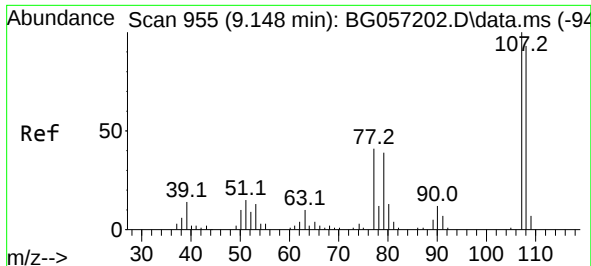


#19
n-Nitroso-di-n-propylamine
Concen: 2.970 ng
RT: 9.155 min Scan# 956
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30



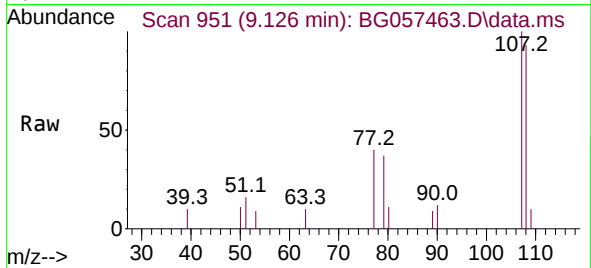
Tgt Ion:	70	Resp:	3579
Ion Ratio	Lower	Upper	
70	100		
42	55.9	41.8	62.8
101	9.0	6.8	10.2
130	23.9	14.2	21.2





#20
3+4-Methylphenols
Concen: 2.977 ng
RT: 9.126 min Scan# 91
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

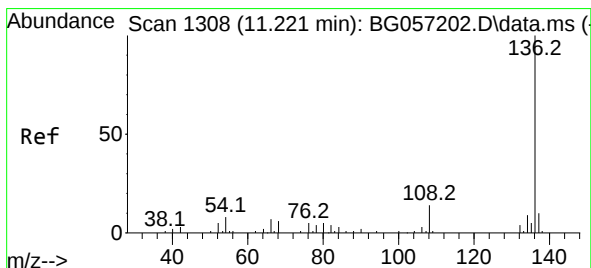
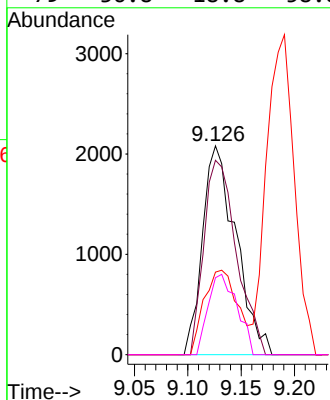
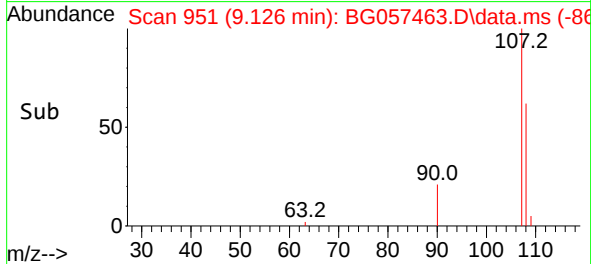
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



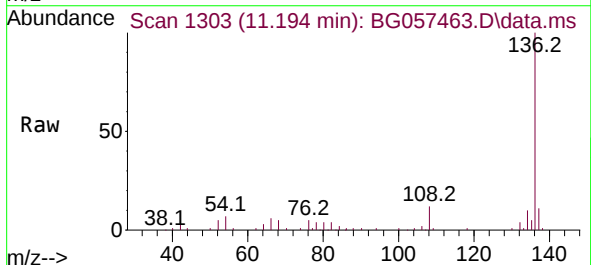
Tgt Ion:	107	Resp:	452
Ion	Ratio	Lower	Upper
107	100		
108	93.1	73.5	113.5
77	39.5	21.1	61.1
79	36.8	18.8	58.8

Manual Integrations
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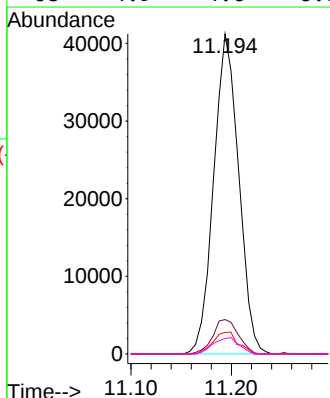
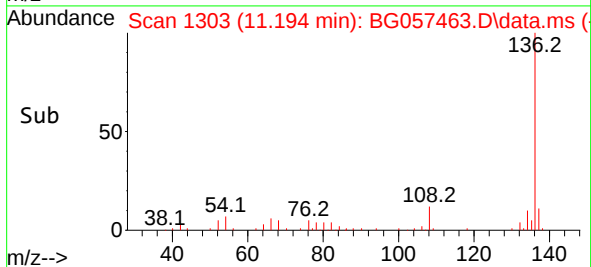
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

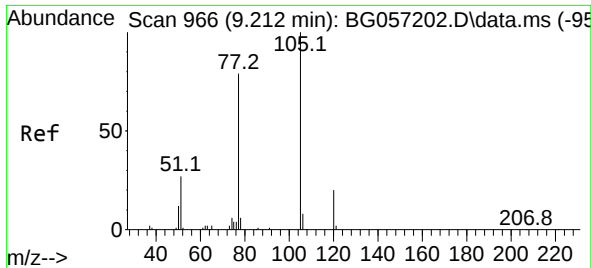


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.194 min Scan# 1303
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30



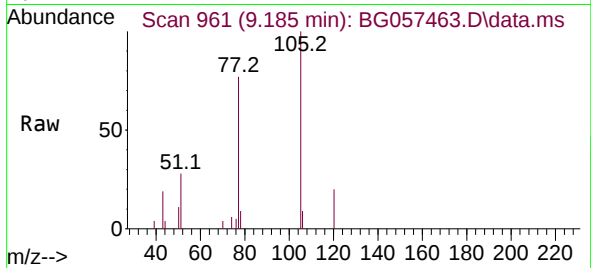
Tgt Ion:	136	Resp:	71202
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.3	12.5
54	6.8	6.7	10.1
68	4.9	4.6	6.8





#22
Acetophenone
Concen: 3.219 ng
RT: 9.185 min Scan# 90
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

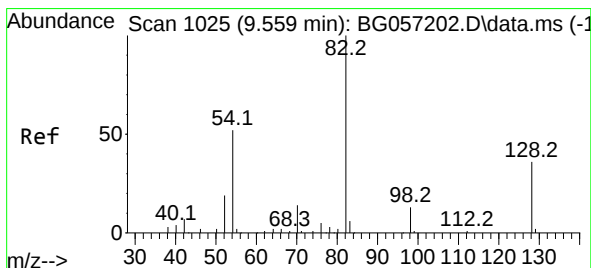
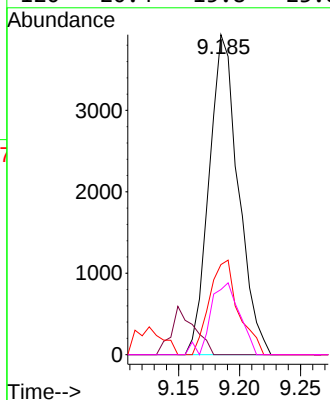
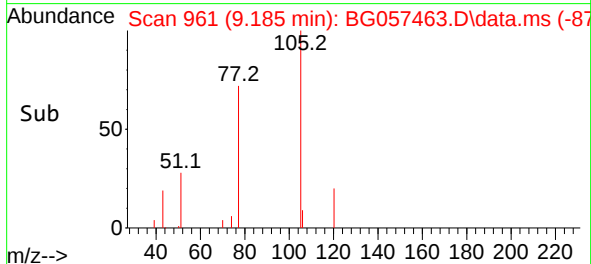
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



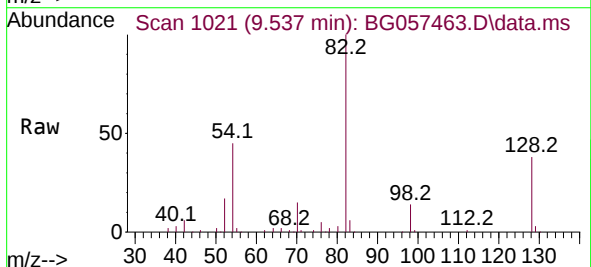
Tgt Ion:105 Resp: 656
Ion Ratio Lower Upper
105 100
71 0.0 0.4 0.6
51 28.2 24.0 36.0
120 20.4 15.8 23.8

Manual Integrations
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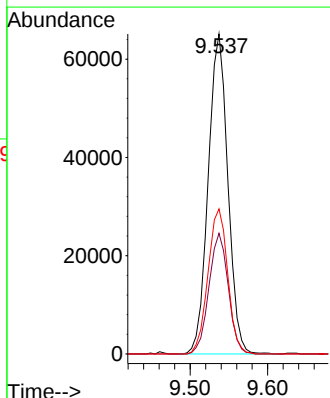
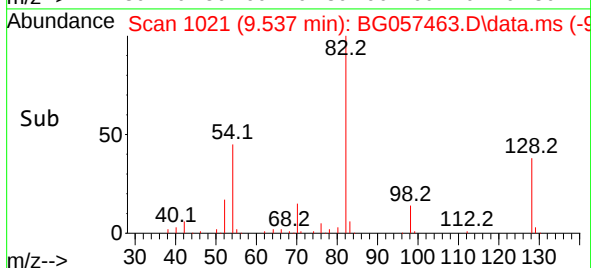
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

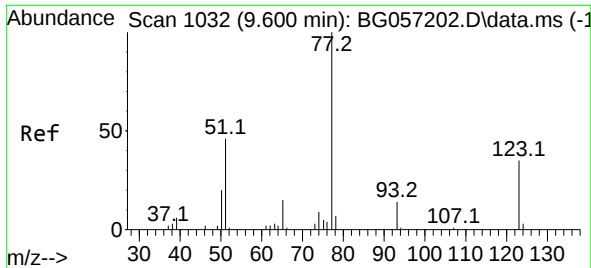


#23
Nitrobenzene-d5
Concen: 67.504 ng
RT: 9.537 min Scan# 1021
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30



Tgt Ion: 82 Resp: 114518
Ion Ratio Lower Upper
82 100
128 37.7 29.0 43.4
54 45.4 41.4 62.0





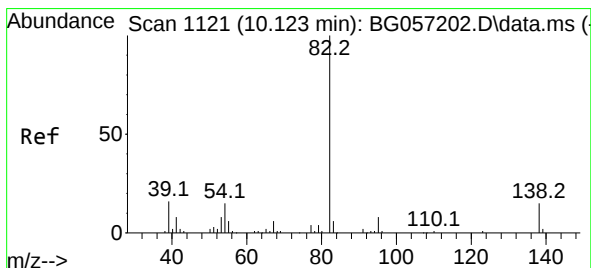
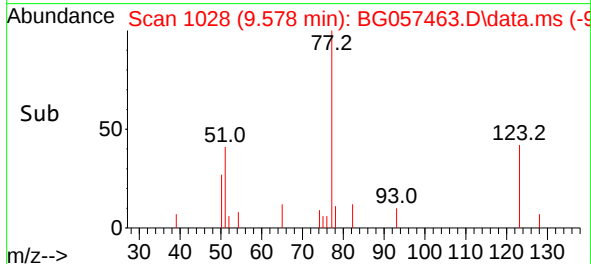
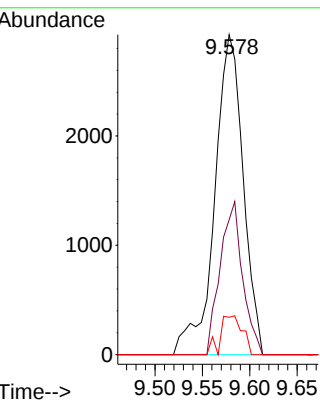
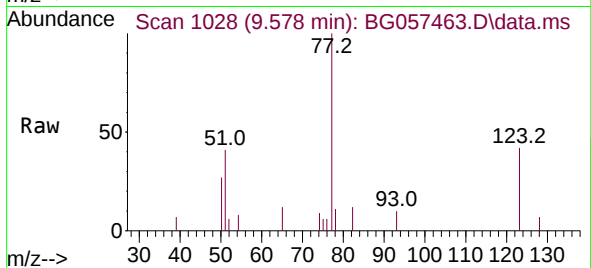
#24
Nitrobenzene
Concen: 3.572 ng
RT: 9.578 min Scan# 1110
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT2-2023

Tgt Ion: 77 Resp: 6110
Ion Ratio Lower Upper
77 100
123 42.1 28.2 42.2
65 11.7 11.7 17.5

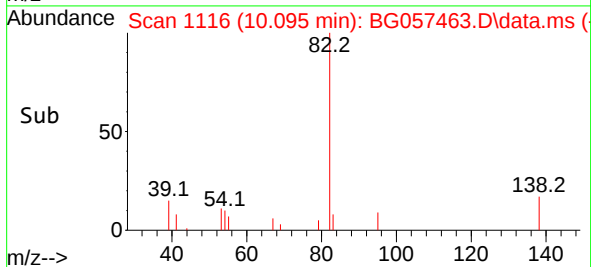
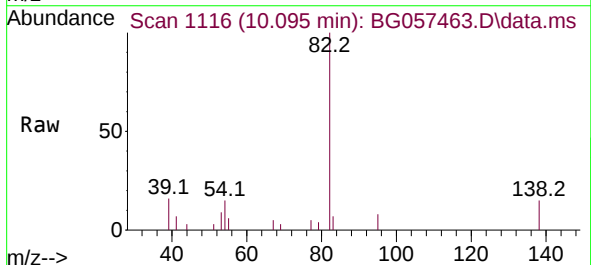
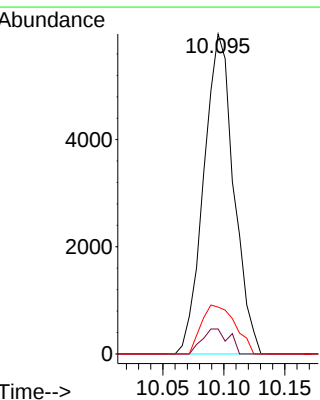
Manual Integrations
APPROVED

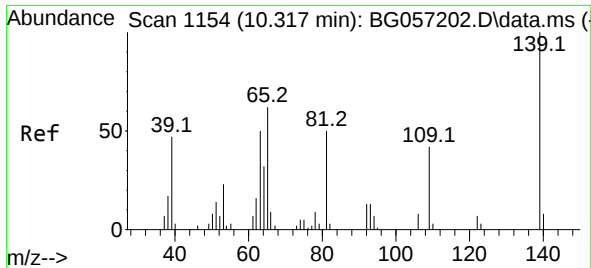
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#25
Isophorone
Concen: 3.107 ng
RT: 10.095 min Scan# 1116
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Tgt Ion: 82 Resp: 10222
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 14.7 12.3 18.5





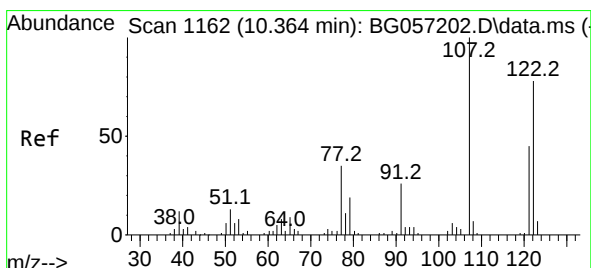
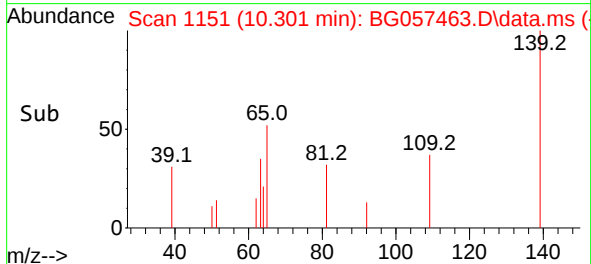
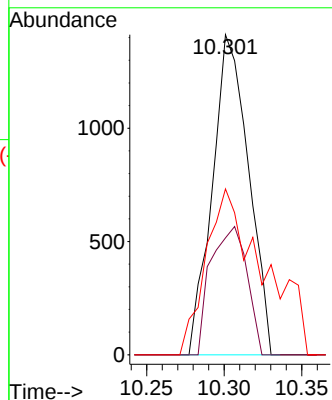
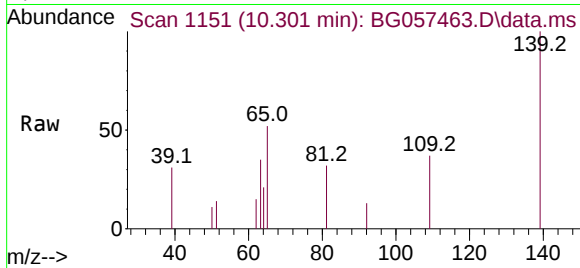
#26
2-Nitrophenol
Concen: 3.499 ng
RT: 10.301 min Scan# 1151
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:139 Resp: 229
Ion Ratio Lower Upper
139 100
109 36.5 33.4 50.2
65 51.8 49.8 74.6

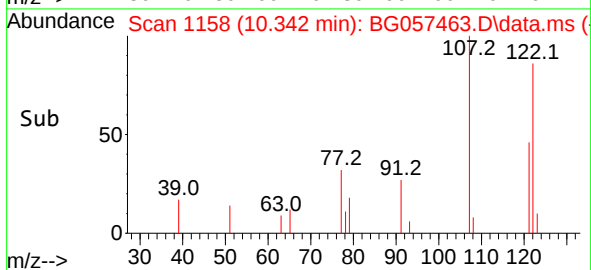
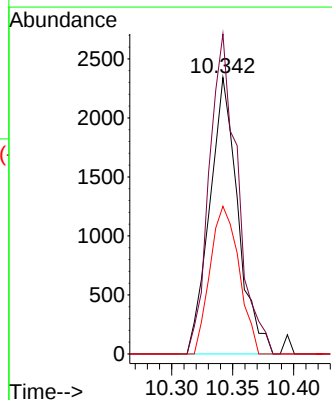
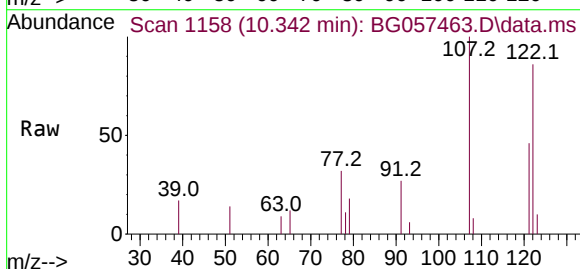
Manual Integrations
APPROVED

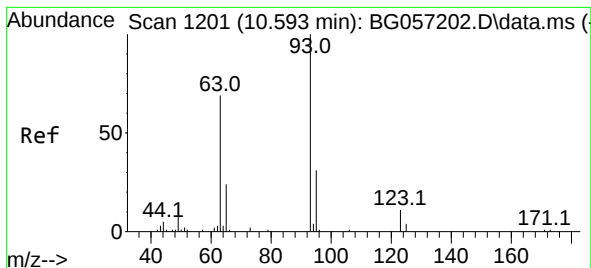
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#27
2,4-Dimethylphenol
Concen: 3.292 ng
RT: 10.342 min Scan# 1158
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

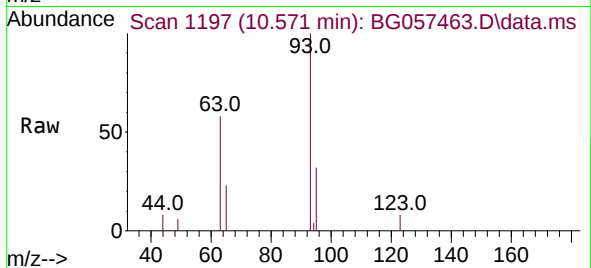
Tgt Ion:122 Resp: 3778
Ion Ratio Lower Upper
122 100
107 115.8 103.0 154.4
121 53.4 45.9 68.9





#28
bis(2-Chloroethoxy)methane
Concen: 3.413 ng
RT: 10.571 min Scan# 1197
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

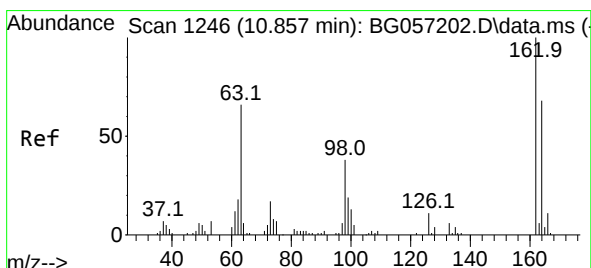
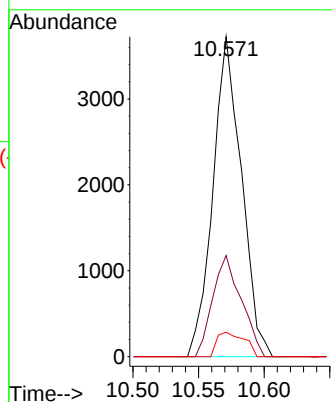
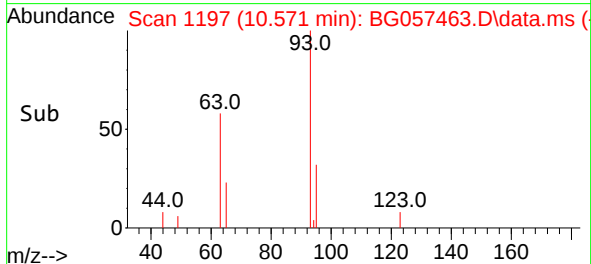
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 93 Resp: 5624
Ion Ratio Lower Upper
93 100
95 31.6 25.0 37.6
123 7.6 8.5 12.7

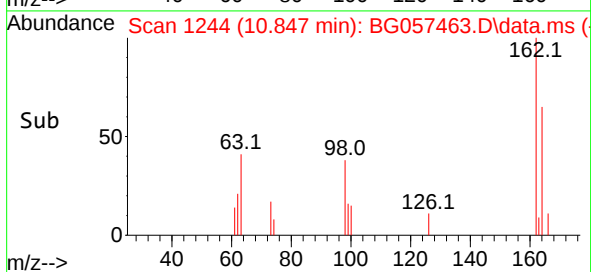
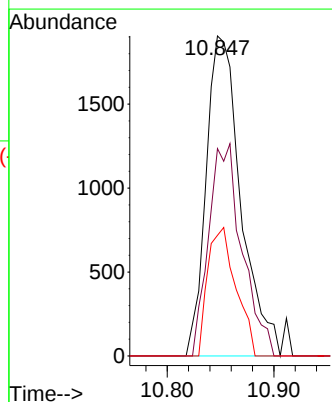
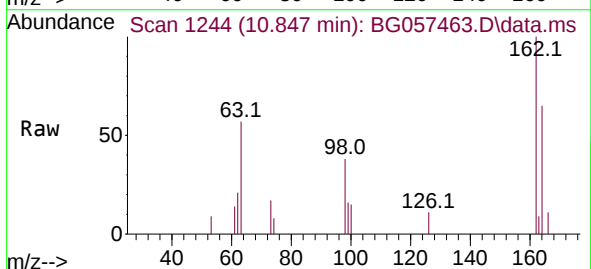
Manual Integrations
APPROVED

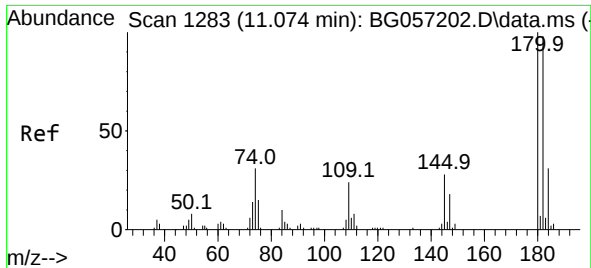
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#29
2,4-Dichlorophenol
Concen: 3.543 ng
RT: 10.847 min Scan# 1244
Delta R.T. 0.006 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Tgt Ion:162 Resp: 4313
Ion Ratio Lower Upper
162 100
164 64.8 48.4 88.4
98 37.7 17.6 57.6





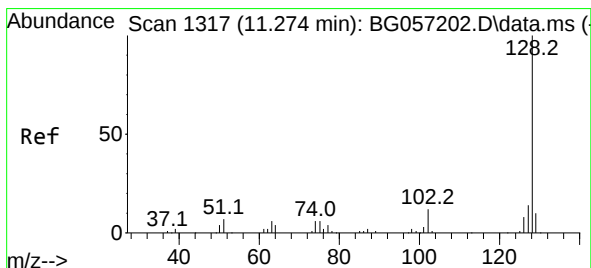
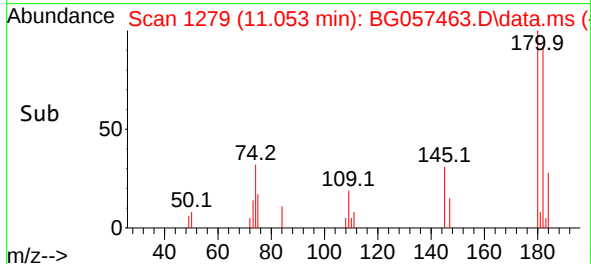
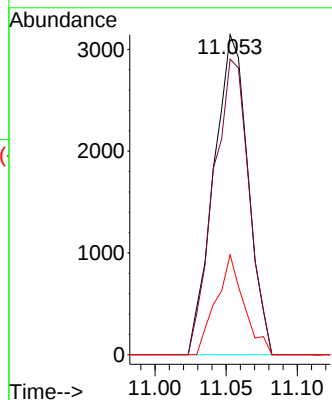
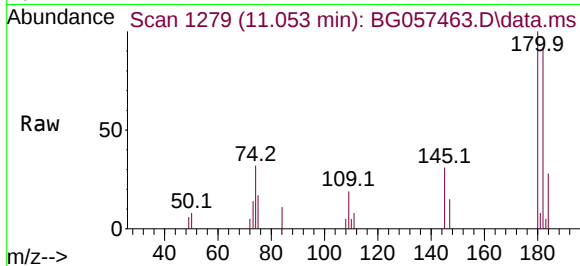
#30
1,2,4-Trichlorobenzene
Concen: 3.758 ng
RT: 11.053 min Scan# 1107
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:180 Resp: 5270
Ion Ratio Lower Upper
180 100
182 92.3 78.0 117.0
145 31.2 22.4 33.6

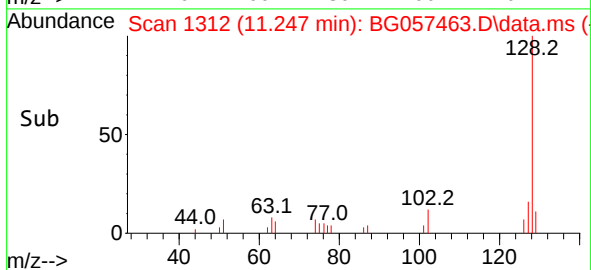
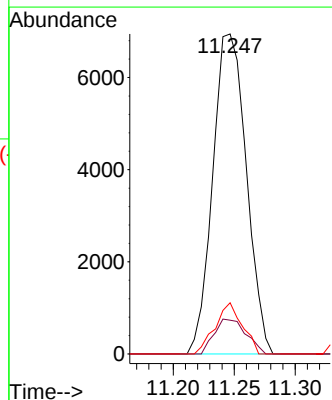
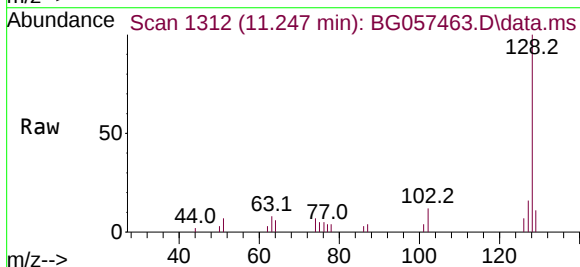
Manual Integrations
APPROVED

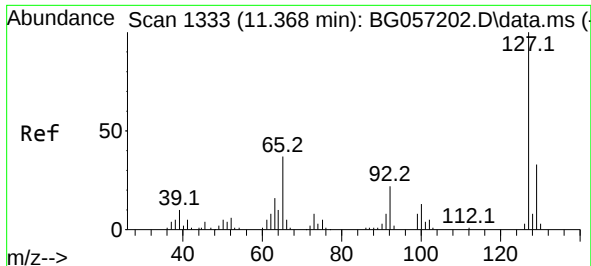
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#31
Naphthalene
Concen: 3.497 ng
RT: 11.247 min Scan# 1312
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

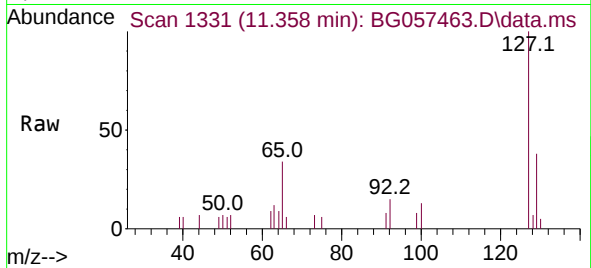
Tgt Ion:128 Resp: 13312
Ion Ratio Lower Upper
128 100
129 10.5 8.3 12.5
127 16.0 11.1 16.7





#33
4-Chloroaniline
Concen: 3.303 ng
RT: 11.358 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

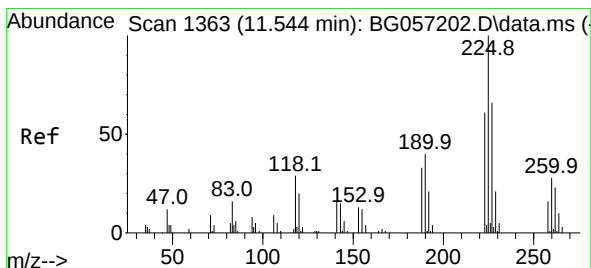
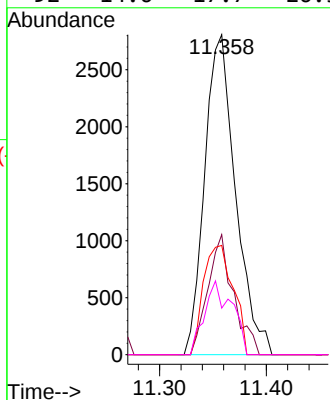
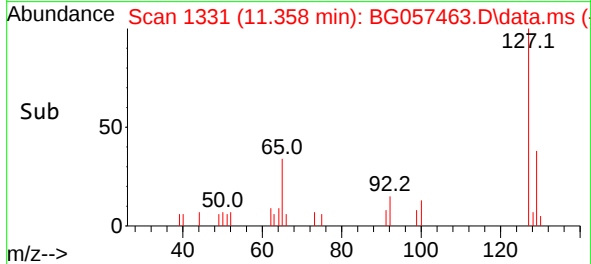
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



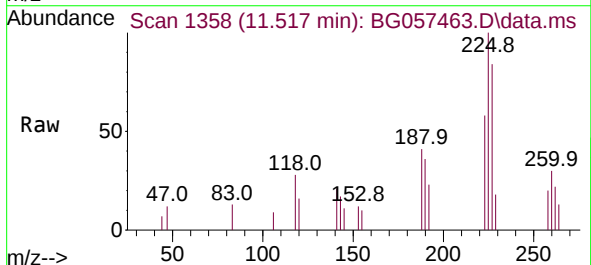
Tgt Ion	Ratio	Lower	Upper
127	100		
129	37.5	26.7	40.1
65	34.2	29.7	44.5
92	14.6	17.7	26.5

Manual Integrations
APPROVED

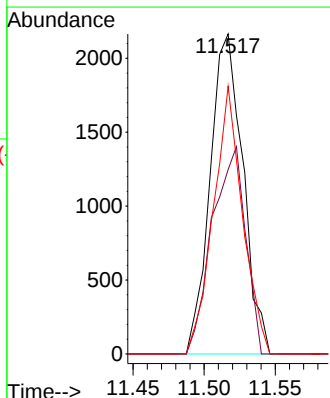
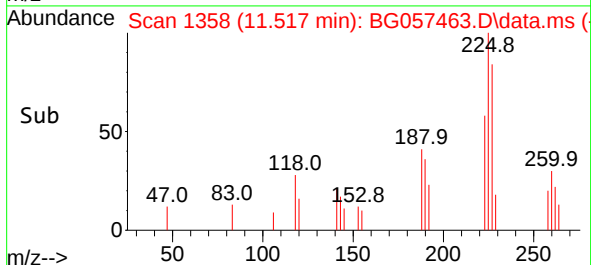
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

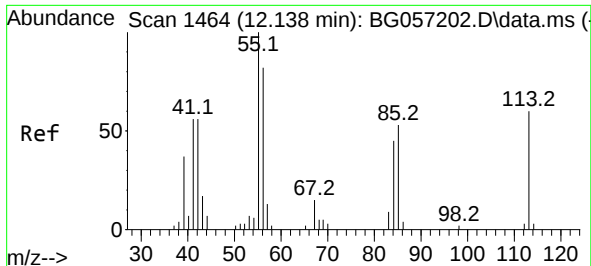


#34
Hexachlorobutadiene
Concen: 3.326 ng
RT: 11.517 min Scan# 1358
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30



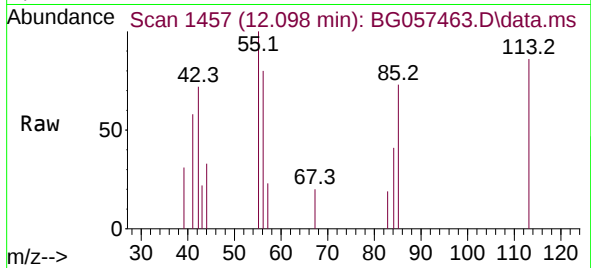
Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.6	48.6	72.8
227	83.6	52.7	79.1





#35
Caprolactam
Concen: 2.631 ng
RT: 12.098 min Scan# 1464
Delta R.T. -0.023 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

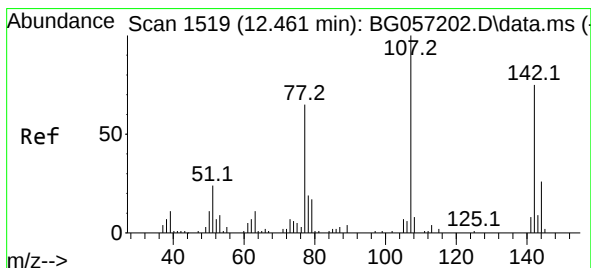
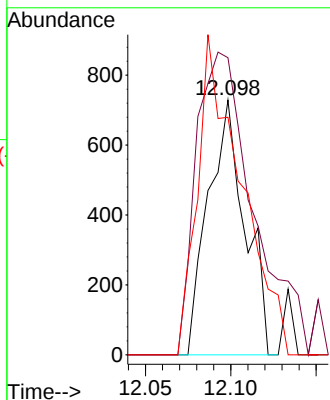
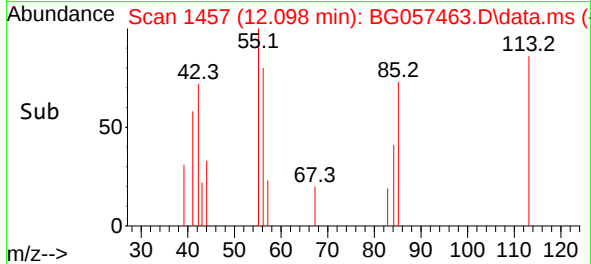
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:113 Resp: 1094
Ion Ratio Lower Upper
113 100
55 116.6 145.5 185.5
56 93.3 115.9 155.9

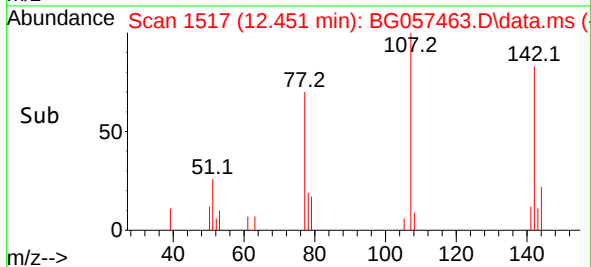
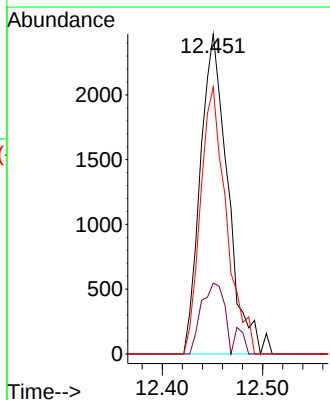
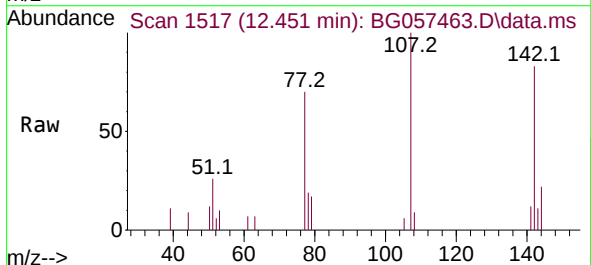
Manual Integrations
APPROVED

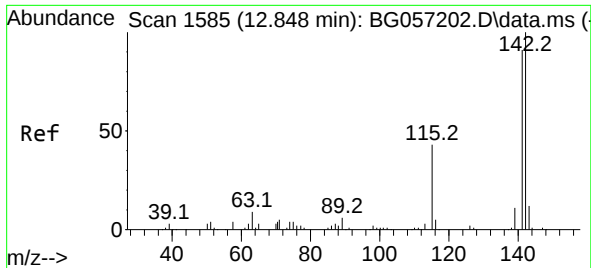
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#36
4-Chloro-3-methylphenol
Concen: 3.404 ng
RT: 12.451 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Tgt Ion:107 Resp: 4708
Ion Ratio Lower Upper
107 100
144 22.1 21.0 31.6
142 83.4 60.0 90.0





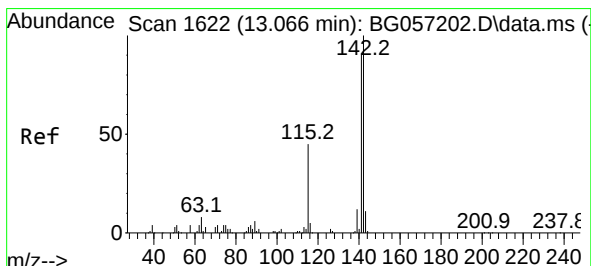
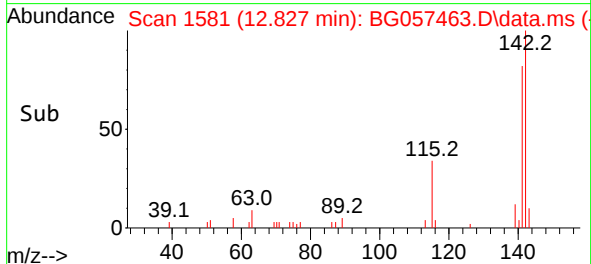
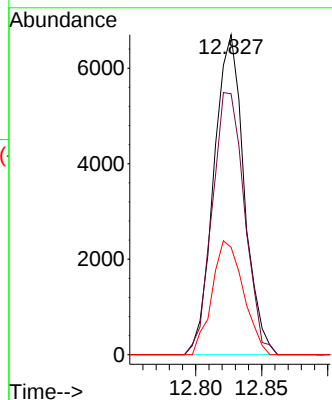
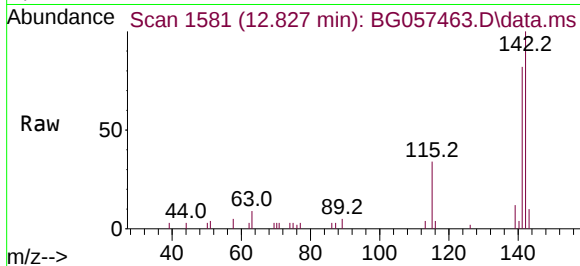
#37
2-Methylnaphthalene
Concen: 3.566 ng m
RT: 12.827 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:142 Resp: 10672
Ion Ratio Lower Upper
142 100
141 81.5 73.1 109.7
115 33.6 34.6 52.0

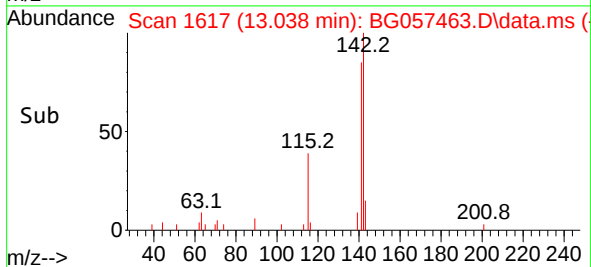
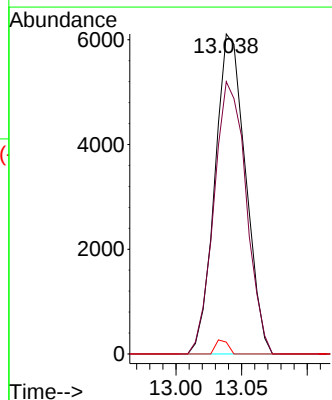
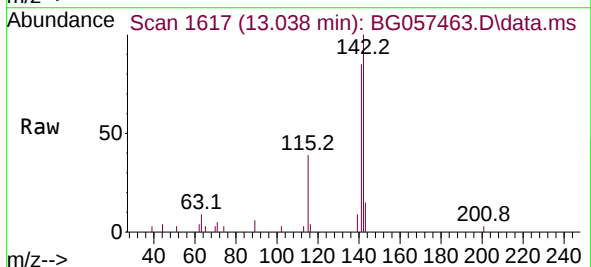
Manual Integrations
APPROVED

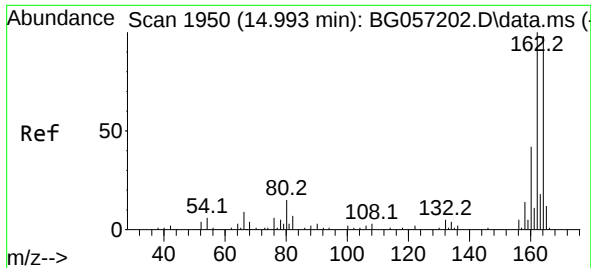
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#38
1-Methylnaphthalene
Concen: 3.518 ng
RT: 13.038 min Scan# 1617
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

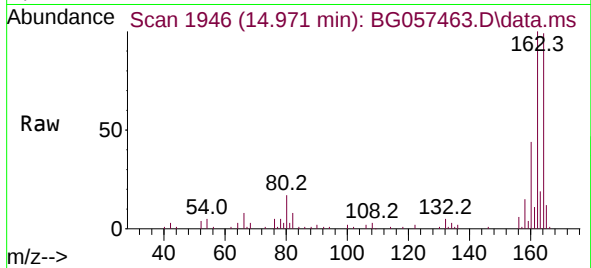
Tgt Ion:142 Resp: 9925
Ion Ratio Lower Upper
142 100
141 85.1 72.5 108.7
116 3.7 3.7 5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.971 min Scan# 1946
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

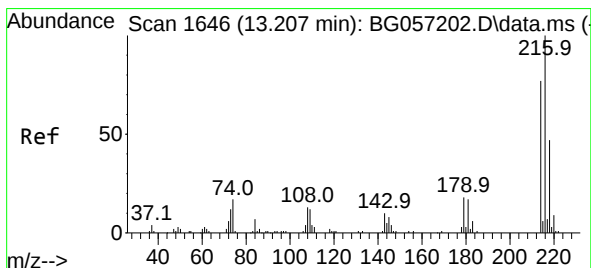
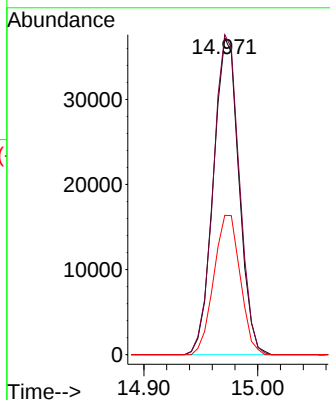
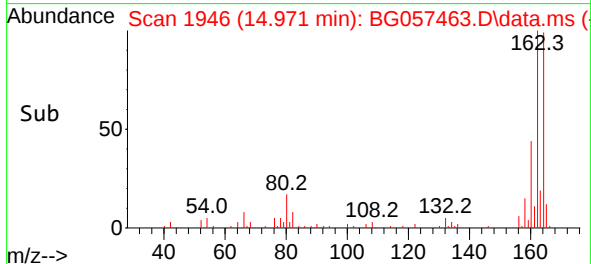
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:164 Resp: 58270
Ion Ratio Lower Upper
164 100
162 101.0 81.8 122.6
160 44.0 34.6 52.0

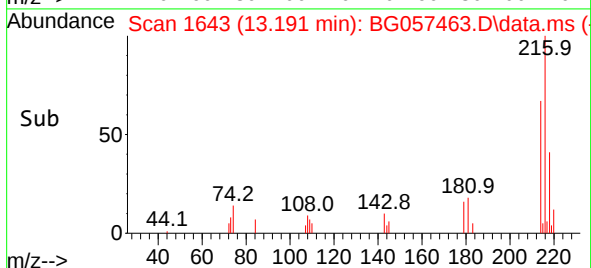
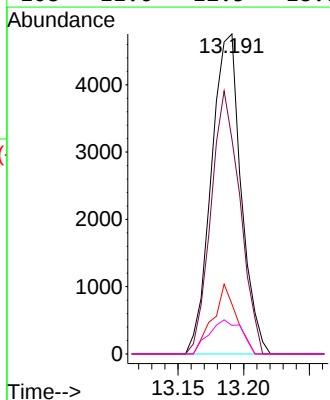
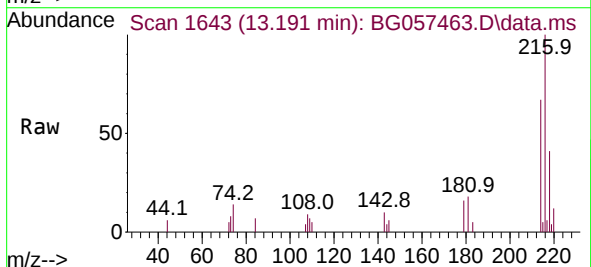
Manual Integrations
APPROVED

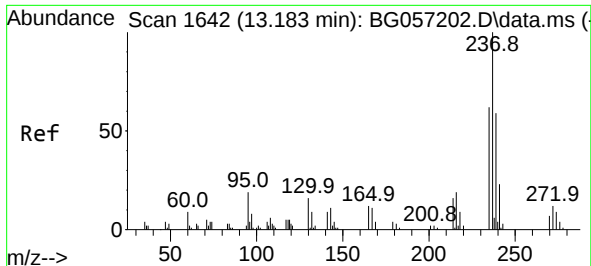
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.623 ng
RT: 13.191 min Scan# 1643
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

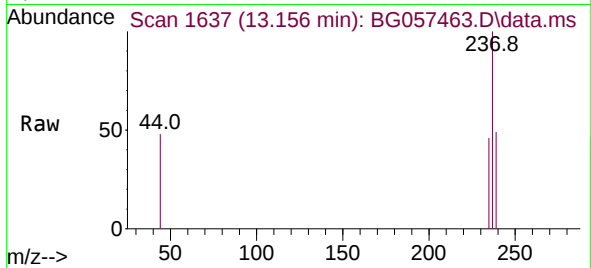
Tgt Ion:216 Resp: 7494
Ion Ratio Lower Upper
216 100
214 79.7 63.7 95.5
179 17.3 14.6 22.0
108 11.6 12.5 18.7#





#41
Hexachlorocyclopentadiene
Concen: 6.624 ng
RT: 13.156 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

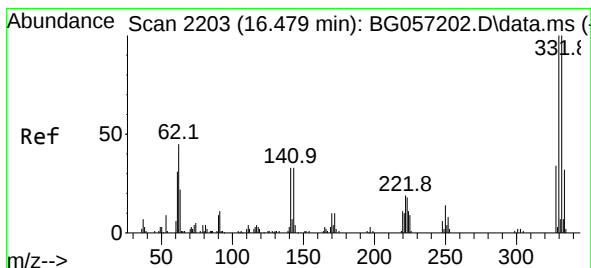
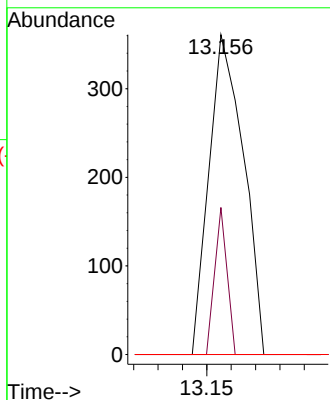
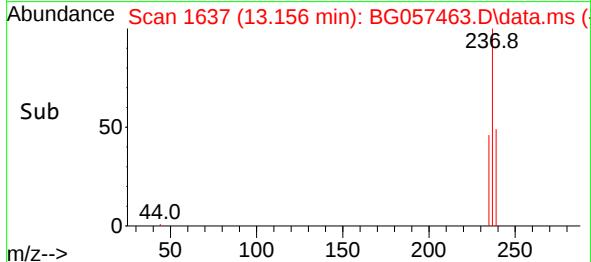
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



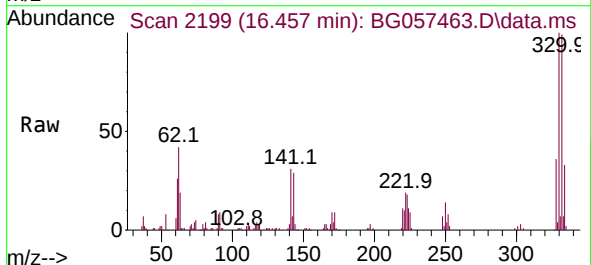
Tgt Ion:237 Resp: 35
Ion Ratio Lower Upper
237 100
235 46.0 42.0 82.0
272 0.0 0.0 31.5

Manual Integrations
APPROVED

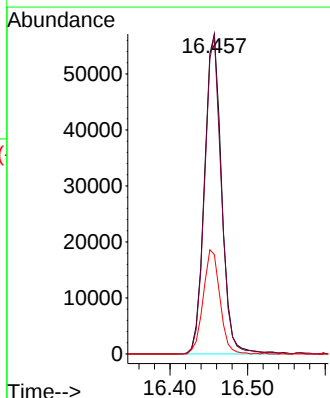
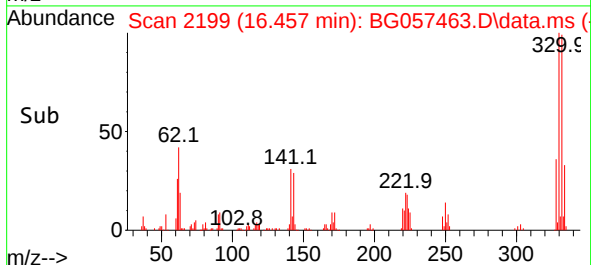
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

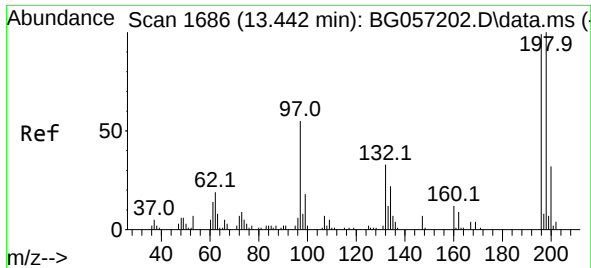


#42
2,4,6-Tribromophenol
Concen: 105.754 ng
RT: 16.457 min Scan# 2199
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30



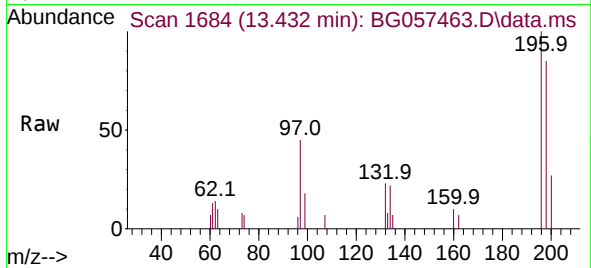
Tgt Ion:330 Resp: 87436
Ion Ratio Lower Upper
330 100
332 97.0 78.2 117.2
141 31.8 27.8 41.8





#43
2,4,6-Trichlorophenol
Concen: 3.348 ng
RT: 13.432 min Scan# 1684
Delta R.T. 0.012 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

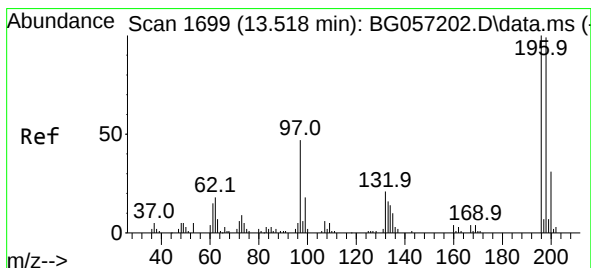
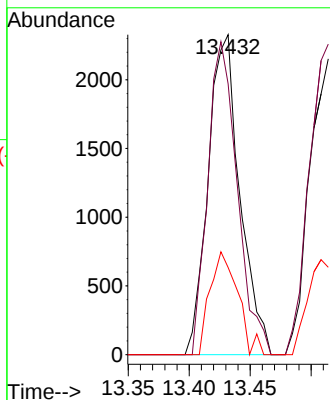
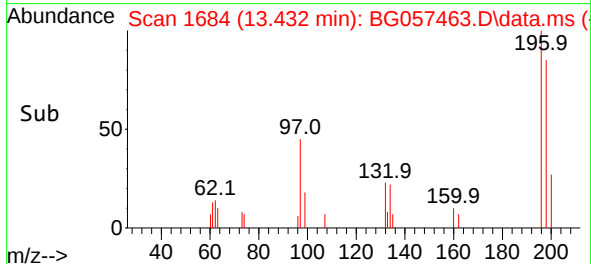
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:196 Resp: 4219
Ion Ratio Lower Upper
196 100
198 84.7 81.2 121.8
200 27.2 26.3 39.5

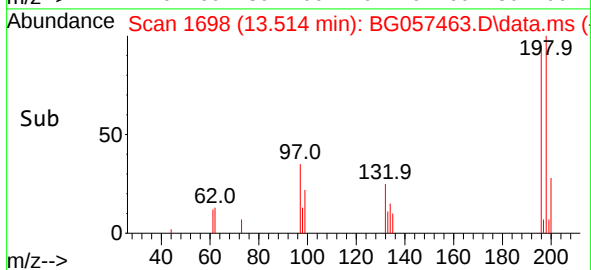
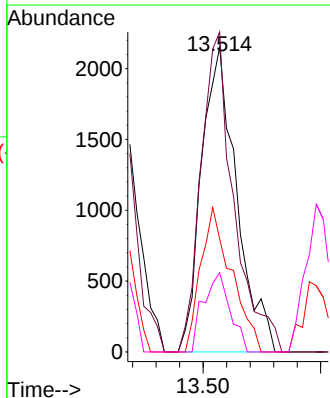
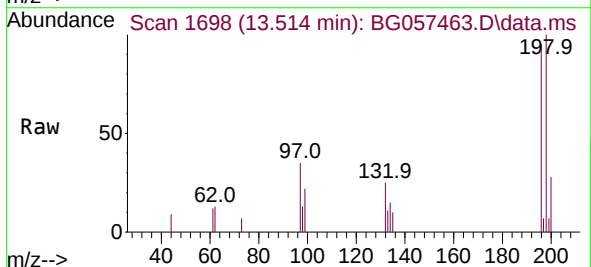
Manual Integrations
APPROVED

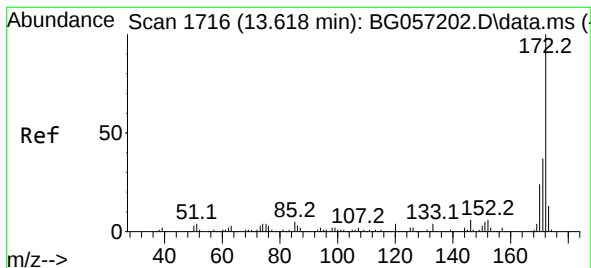
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#44
2,4,5-Trichlorophenol
Concen: 3.015 ng m
RT: 13.514 min Scan# 1698
Delta R.T. 0.012 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Tgt Ion:196 Resp: 4470
Ion Ratio Lower Upper
196 100
198 105.0 79.4 119.2
97 37.1 37.0 55.4
132 26.0 16.6 24.8#





#45

2-Fluorobiphenyl

Concen: 70.936 ng

RT: 13.596 min Scan# 1712

Delta R.T. -0.005 min

Lab File: BG057463.D

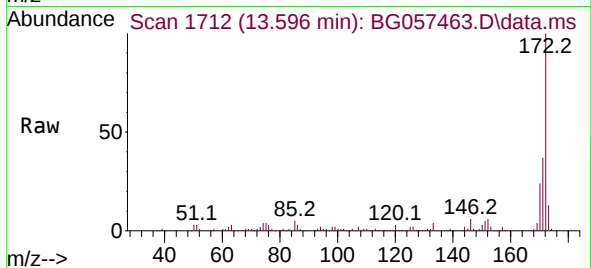
Acq: 19 May 2023 11:30

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2023



Tgt Ion:172 Resp: 306908

Ion Ratio Lower Upper

172 100

171 37.0 29.4 44.0

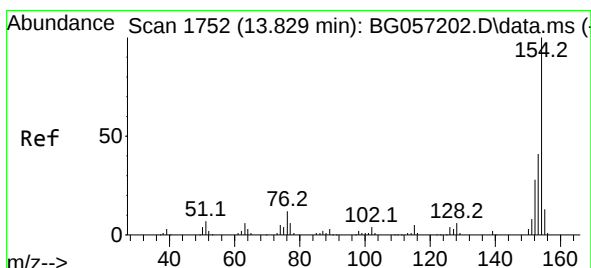
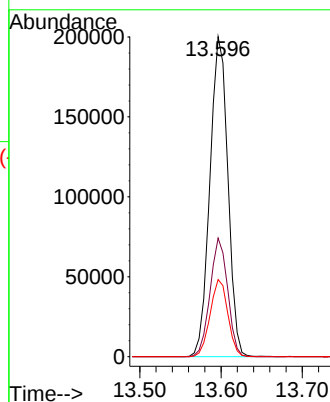
170 24.1 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/22/2023

Supervised By :Jagrut Upadhyay 05/22/2023



#46

1,1'-Biphenyl

Concen: 3.612 ng

RT: 13.808 min Scan# 1748

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

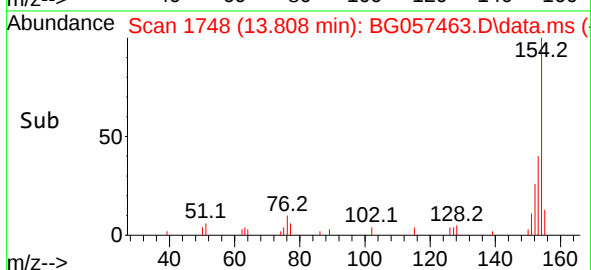
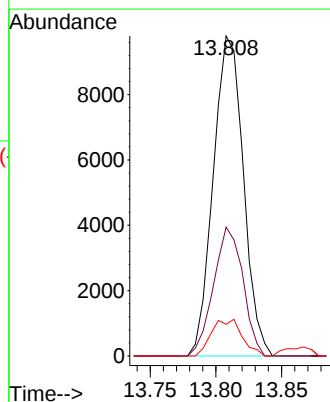
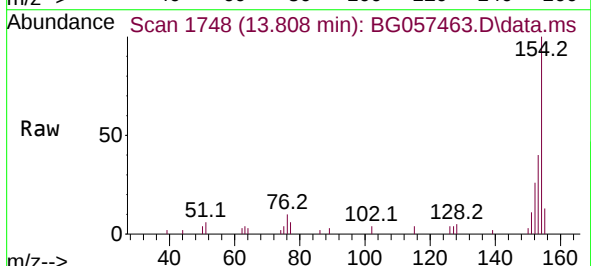
Tgt Ion:154 Resp: 15616

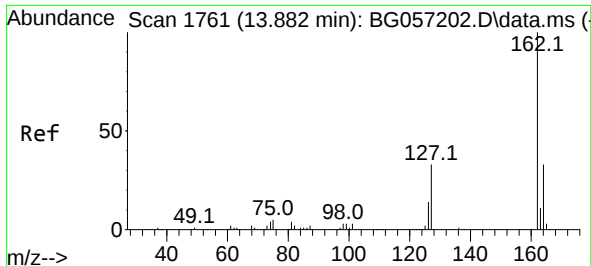
Ion Ratio Lower Upper

154 100

153 40.2 20.9 60.9

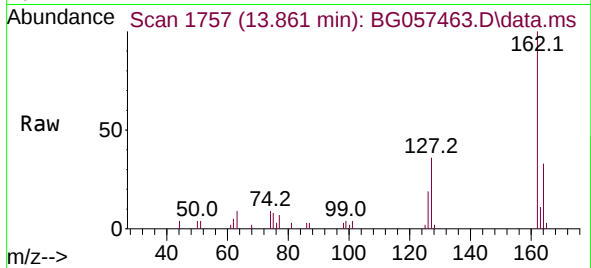
76 9.9 0.0 31.7





#47
2-Chloronaphthalene
Concen: 3.710 ng
RT: 13.861 min Scan# 1757
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

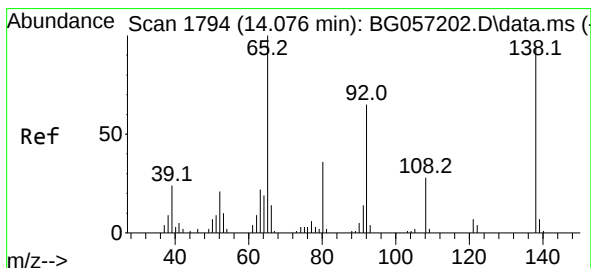
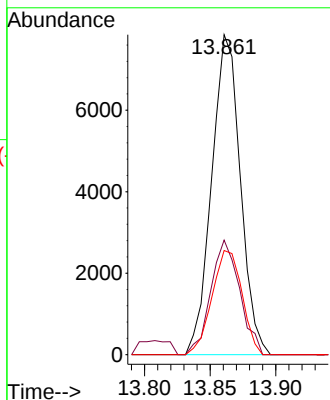
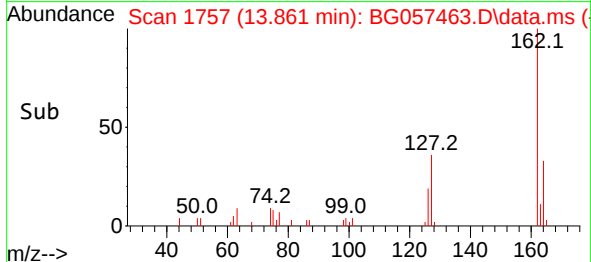
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:162 Resp: 11929
Ion Ratio Lower Upper
162 100
127 35.8 29.8 44.6
164 32.5 26.6 40.0

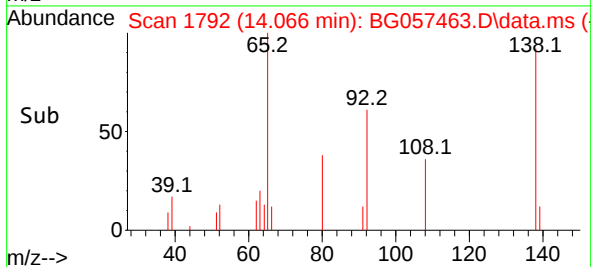
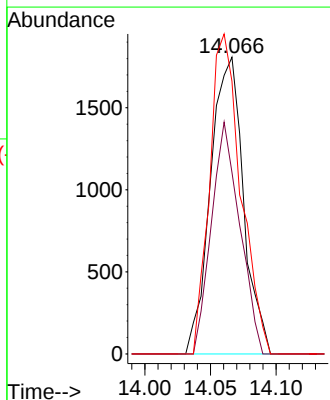
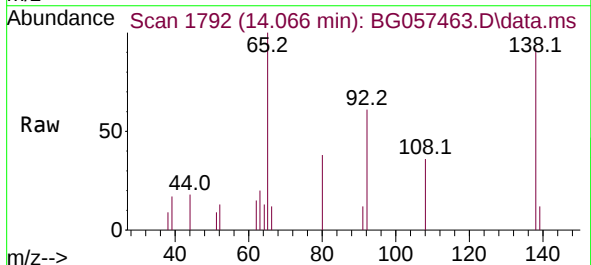
Manual Integrations
APPROVED

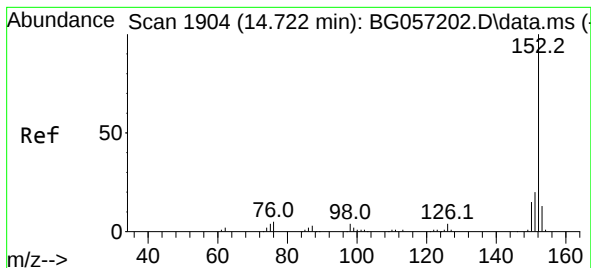
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#48
2-Nitroaniline
Concen: 2.885 ng
RT: 14.066 min Scan# 1792
Delta R.T. 0.006 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Tgt Ion: 65 Resp: 3154
Ion Ratio Lower Upper
65 100
92 61.1 52.1 78.1
138 91.8 75.3 112.9





#49

Acenaphthylene

Concen: 3.518 ng

RT: 14.701 min Scan# 1900

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA_G

ClientSampleId :

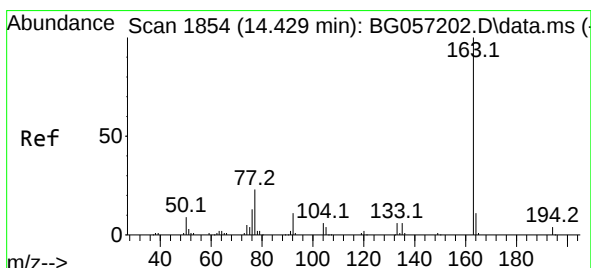
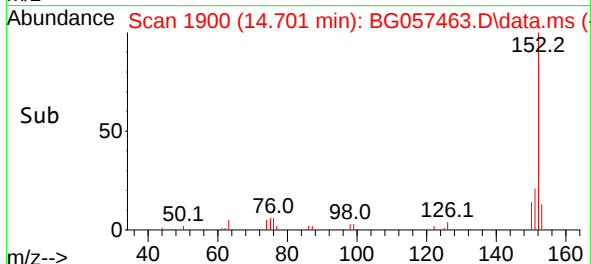
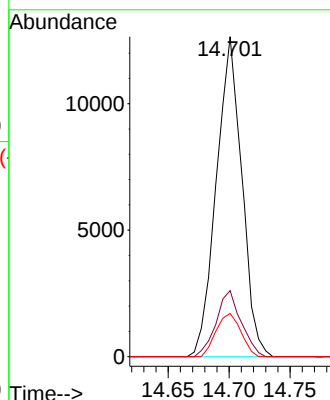
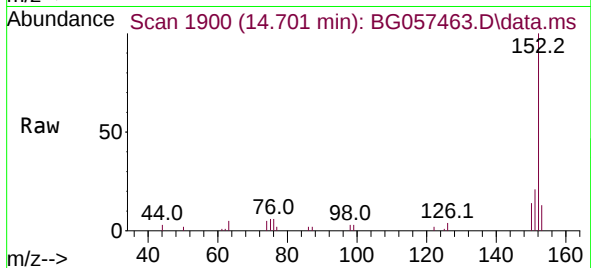
MDL-SOIL-03-QT2-2023

Tgt Ion:	152	Resp:	18378
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.0	24.0
153	13.5	10.7	16.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#50

Dimethylphthalate

Concen: 3.348 ng

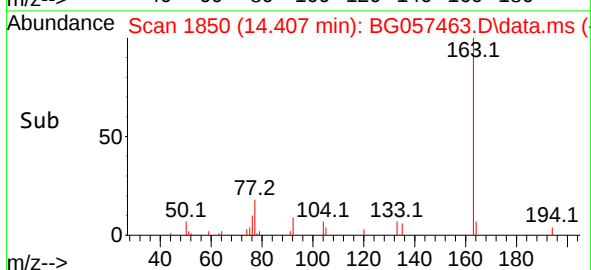
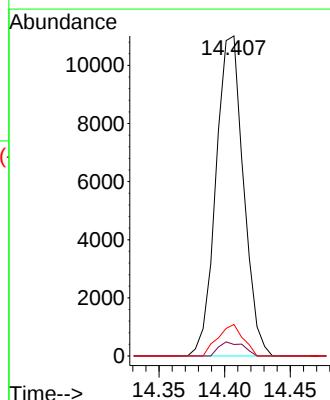
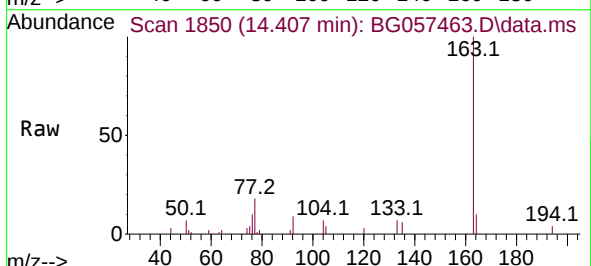
RT: 14.407 min Scan# 1850

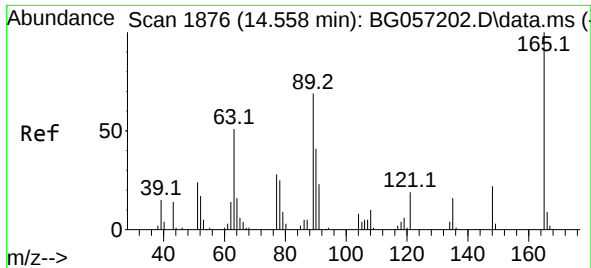
Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

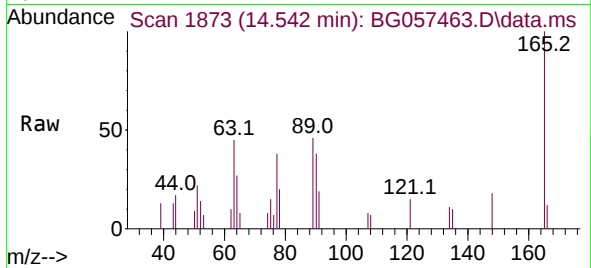
Tgt Ion:	163	Resp:	16032
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.4	5.2
164	9.9	8.8	13.2





#51
2,6-Dinitrotoluene
Concen: 3.501 ng
RT: 14.542 min Scan# 1957
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

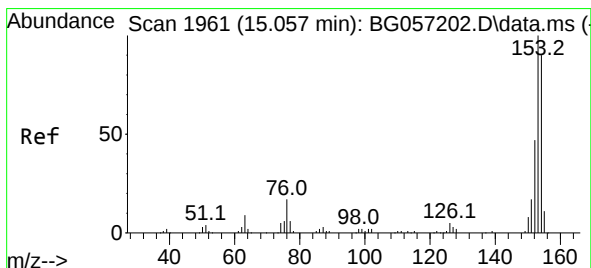
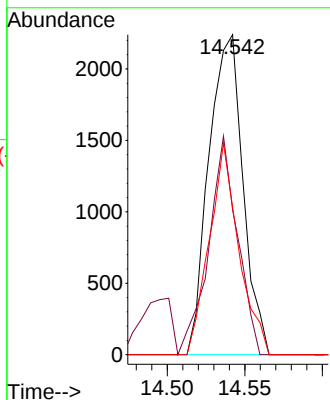
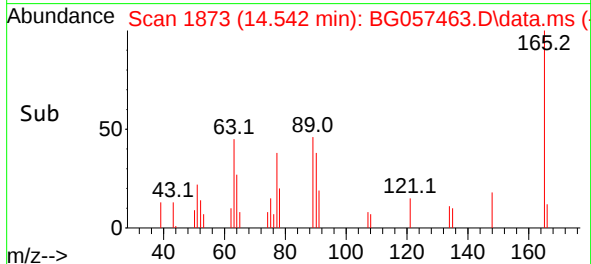
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



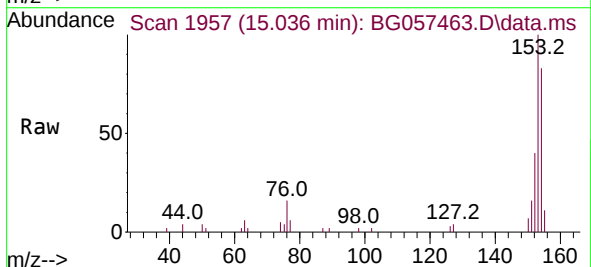
Tgt Ion:165 Resp: 342
Ion Ratio Lower Upper
165 100
63 45.3 50.9 76.3
89 46.1 55.2 82.8

Manual Integrations
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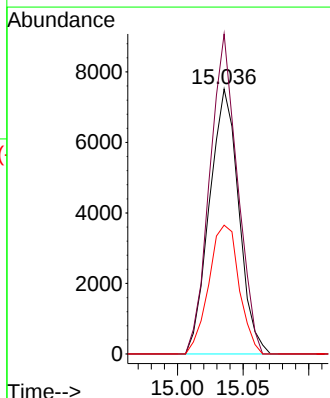
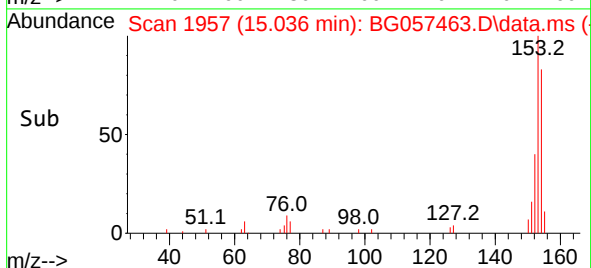
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

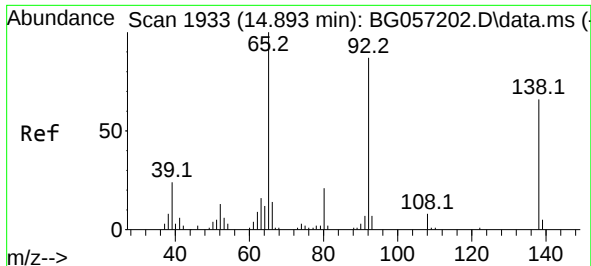


#52
Acenaphthene
Concen: 3.573 ng
RT: 15.036 min Scan# 1957
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30



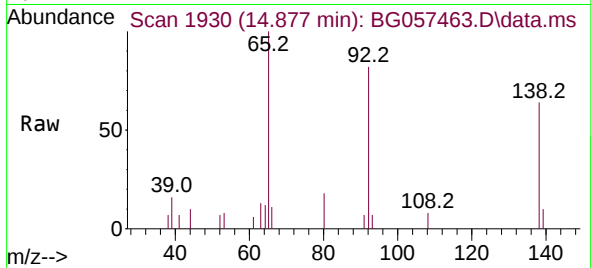
Tgt Ion:154 Resp: 11662
Ion Ratio Lower Upper
154 100
153 120.8 89.3 133.9
152 48.6 41.7 62.5





#53
3-Nitroaniline
Concen: 3.353 ng
RT: 14.877 min Scan# 1933
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

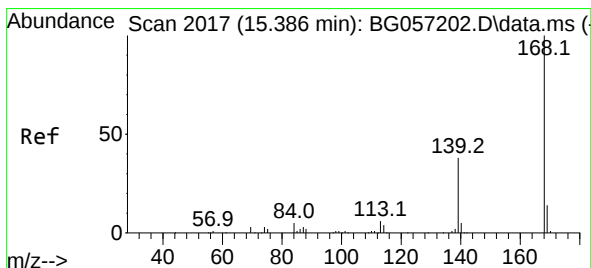
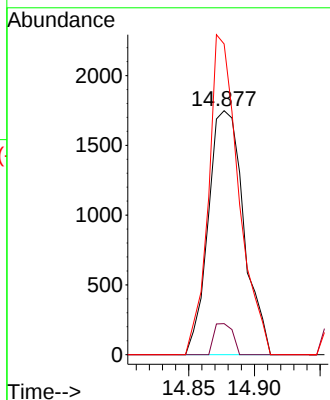
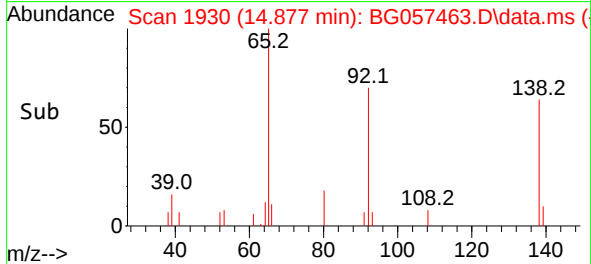
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:138 Resp: 3284
Ion Ratio Lower Upper
138 100
108 12.7 9.5 14.3
92 127.3 106.2 159.4

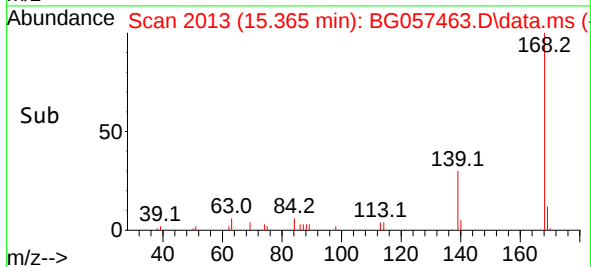
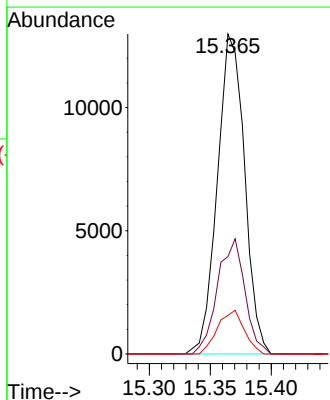
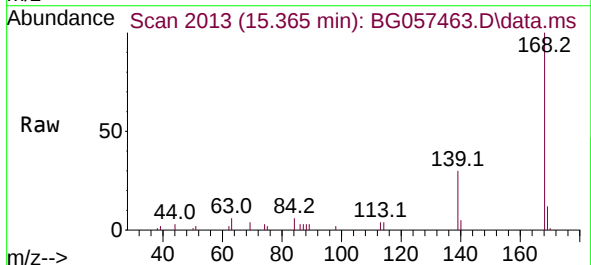
Manual Integrations
APPROVED

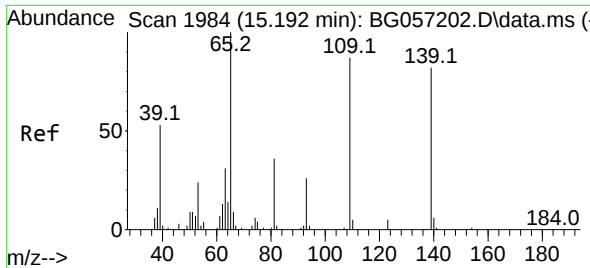
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#55
Dibenzofuran
Concen: 3.675 ng
RT: 15.365 min Scan# 2013
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

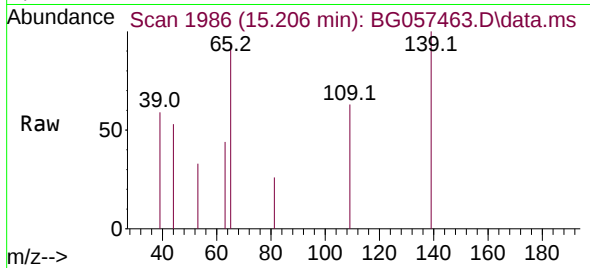
Tgt Ion:168 Resp: 20157
Ion Ratio Lower Upper
168 100
139 30.4 30.7 46.1#
169 12.0 10.9 16.3





#56
4-Nitrophenol
Concen: 2.014 ng
RT: 15.206 min Scan# 1984
Delta R.T. 0.024 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

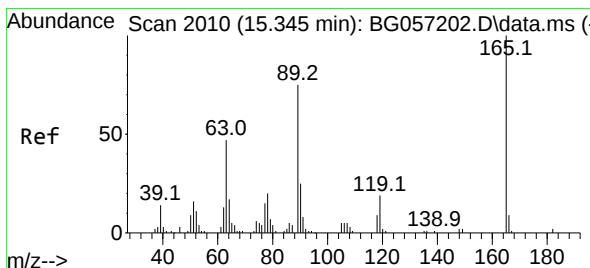
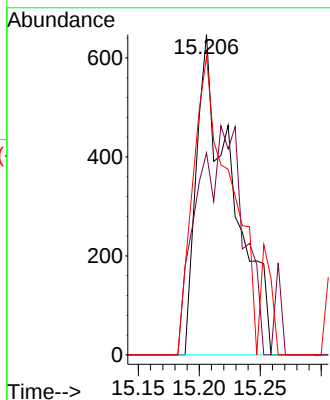
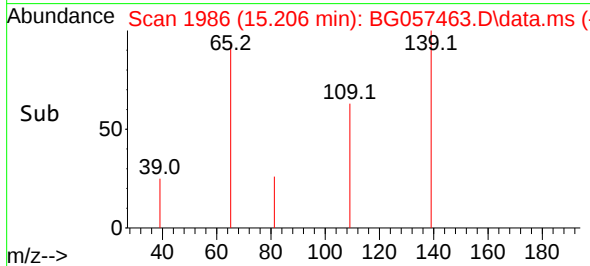
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



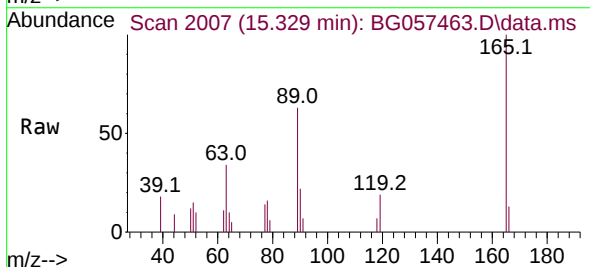
Tgt Ion:139 Resp: 1312
Ion Ratio Lower Upper
139 100
109 63.1 86.6 126.6
65 93.2 102.6 142.6

Manual Integrations
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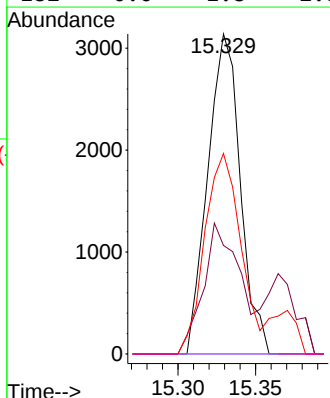
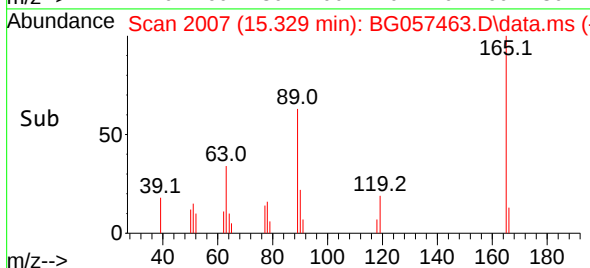
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

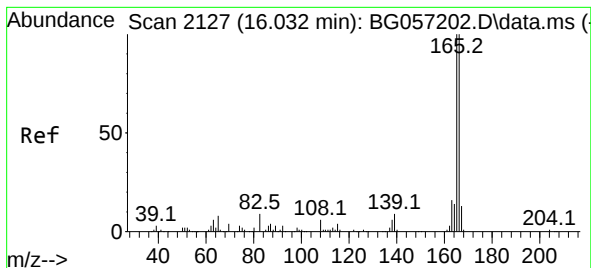


#57
2,4-Dinitrotoluene
Concen: 3.276 ng
RT: 15.329 min Scan# 2007
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30



Tgt Ion:165 Resp: 4577
Ion Ratio Lower Upper
165 100
63 33.9 37.5 56.3#
89 62.7 60.2 90.4
182 0.0 1.8 2.8#





#58

Fluorene

Concen: 3.518 ng

RT: 16.011 min Scan# 2127

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA_G

ClientSampleId :

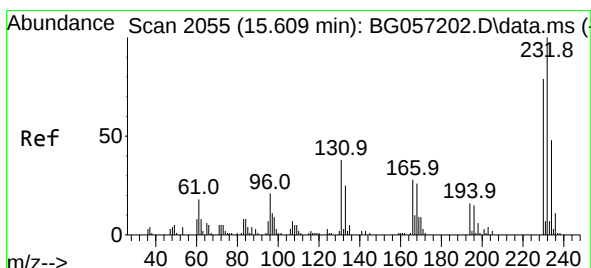
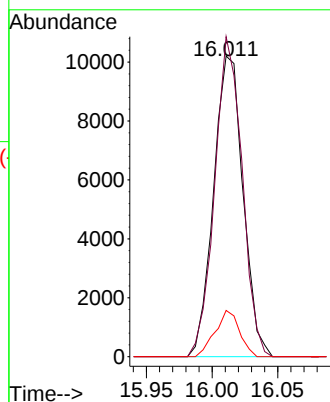
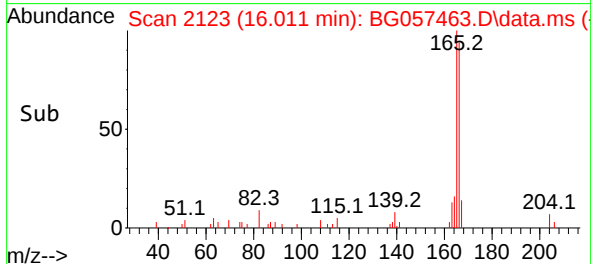
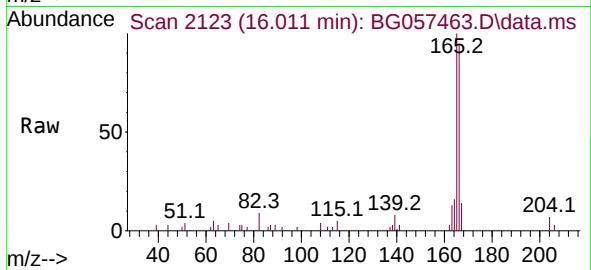
MDL-SOIL-03-QT2-2023

Tgt Ion:166 Resp: 15894
 Ion Ratio Lower Upper
 166 100
 165 106.5 80.1 120.1
 167 15.4 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/22/2023
 Supervised By :Jagrut Upadhyay 05/22/2023



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.062 ng

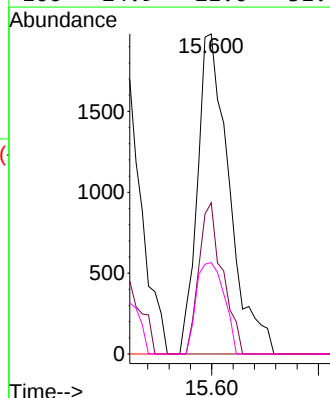
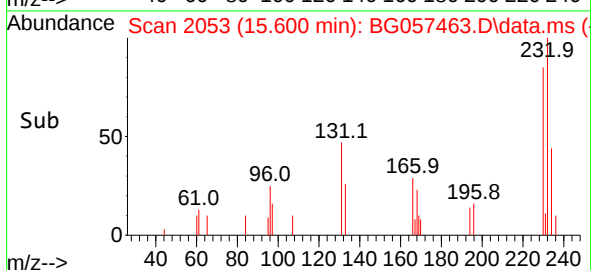
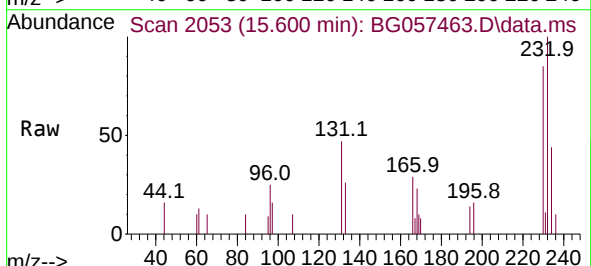
RT: 15.600 min Scan# 2053

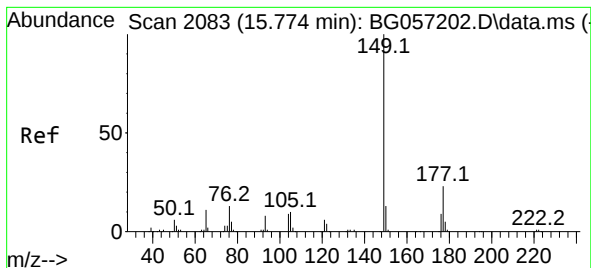
Delta R.T. 0.006 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Tgt Ion:232 Resp: 4115
 Ion Ratio Lower Upper
 232 100
 131 35.0 28.6 42.8
 130 0.0 1.6 2.4
 166 24.9 21.0 31.6





#60

Diethylphthalate

Concen: 3.370 ng

RT: 15.752 min Scan# 2083

Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA_G

ClientSampleId :

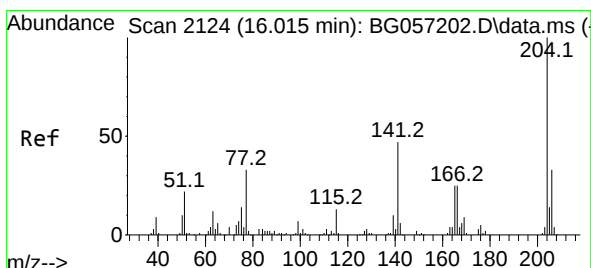
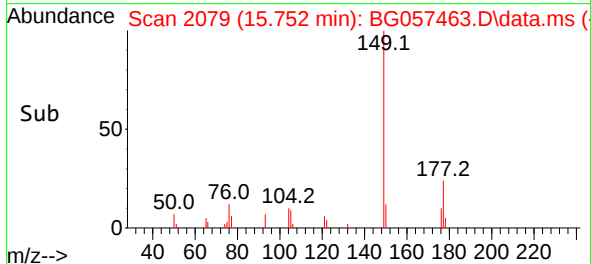
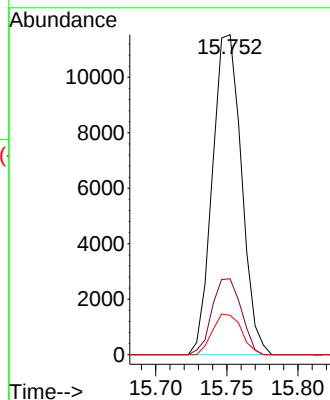
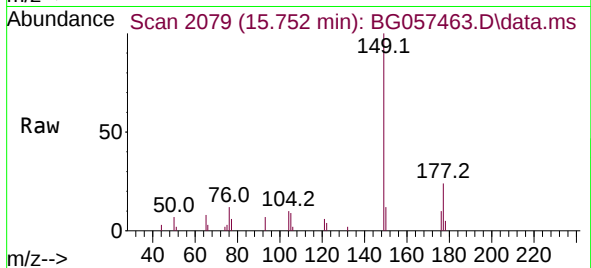
MDL-SOIL-03-QT2-2023

Tgt Ion:	149	Resp:	1638
Ion Ratio	Lower	Upper	
149	100		
177	23.7	18.3	27.5
150	12.3	10.1	15.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#61

4-Chlorophenyl-phenylether

Concen: 3.403 ng

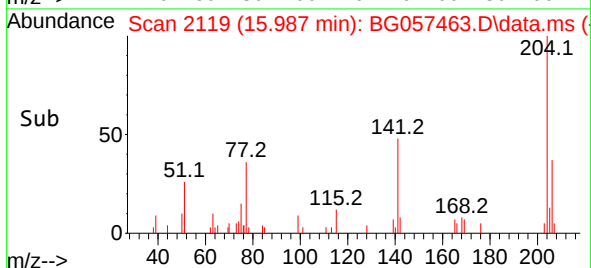
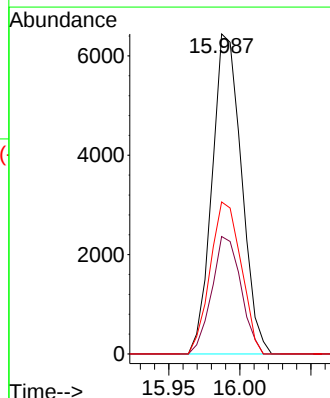
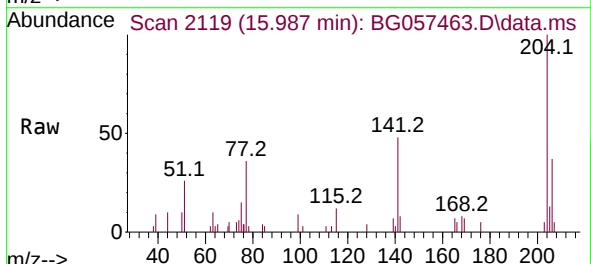
RT: 15.987 min Scan# 2119

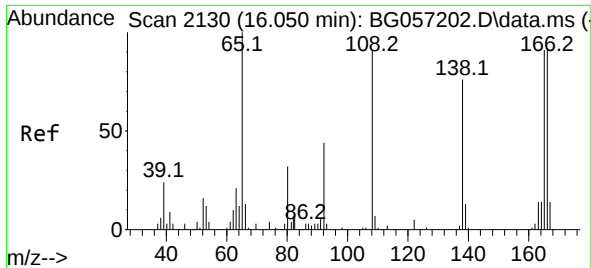
Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Tgt Ion:	204	Resp:	9262
Ion Ratio	Lower	Upper	
204	100		
206	36.7	26.5	39.7
141	47.5	37.4	56.0





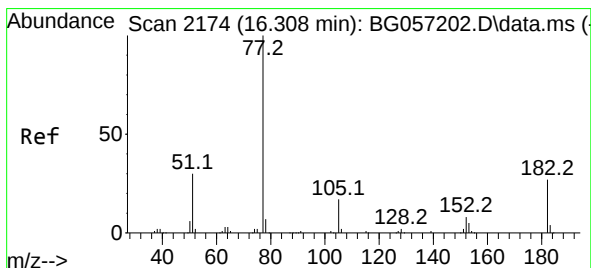
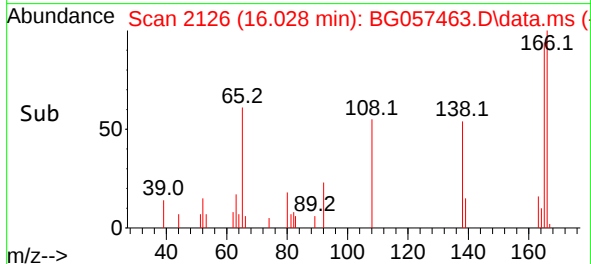
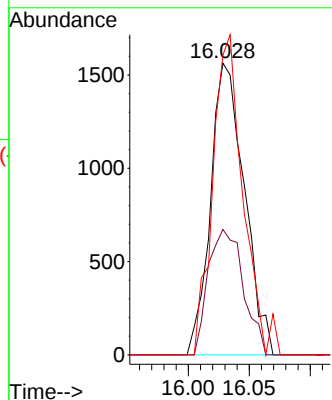
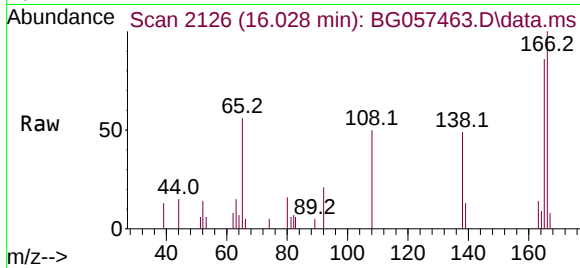
#62
4-Nitroaniline
Concen: 3.051 ng
RT: 16.028 min Scan# 2130
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:138 Resp: 301
Ion Ratio Lower Upper
138 100
92 43.0 38.2 78.2
108 102.8 99.6 139.6

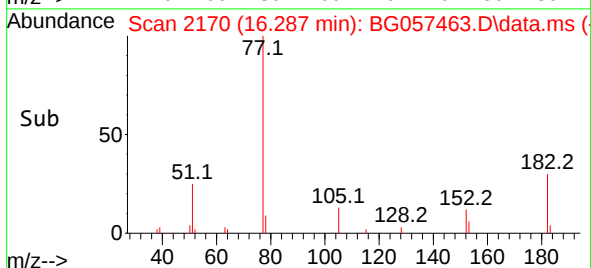
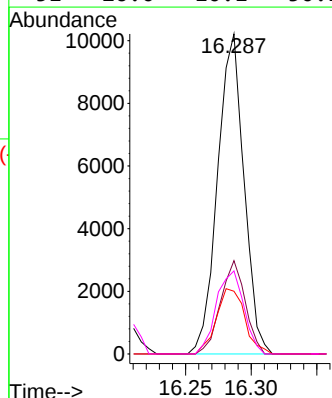
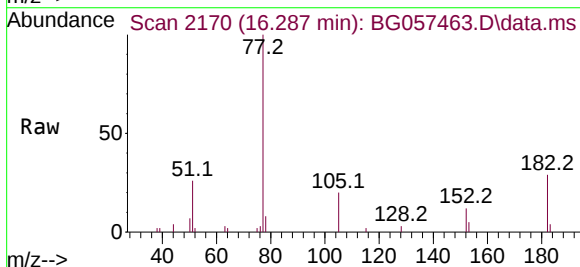
Manual Integrations
APPROVED

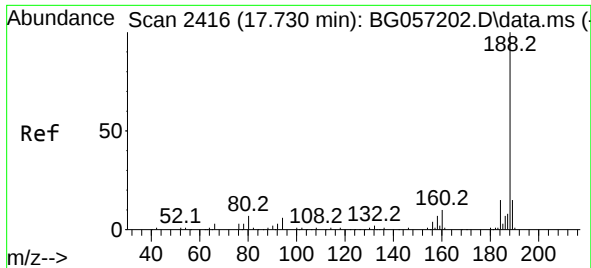
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#63
Azobenzene
Concen: 3.035 ng
RT: 16.287 min Scan# 2170
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Tgt Ion: 77 Resp: 14242
Ion Ratio Lower Upper
77 100
182 29.2 7.4 47.4
105 19.6 0.0 37.2
51 26.0 10.1 50.1





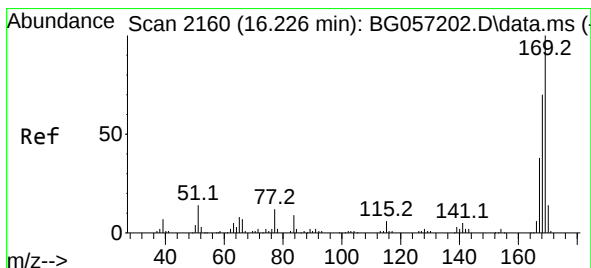
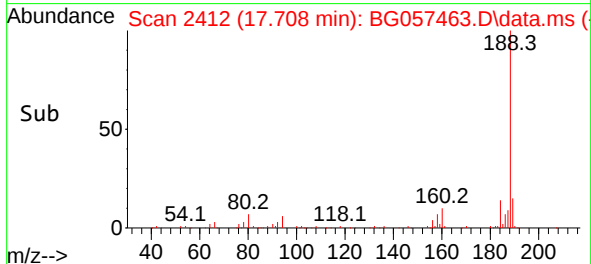
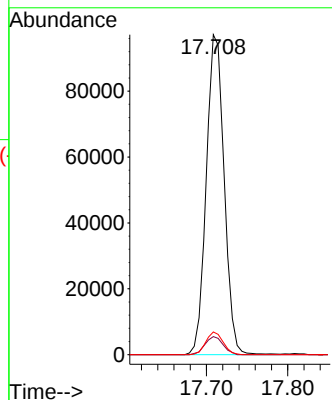
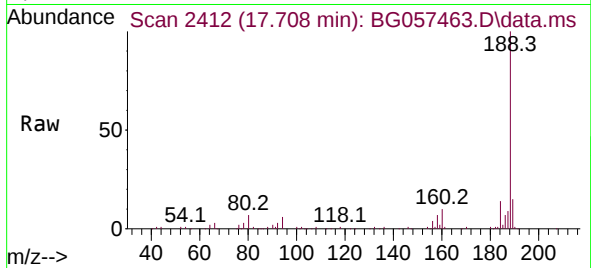
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.708 min Scan# 2416
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:188 Resp: 148295
Ion Ratio Lower Upper
188 100
94 5.6 5.1 7.7
80 7.1 5.7 8.5

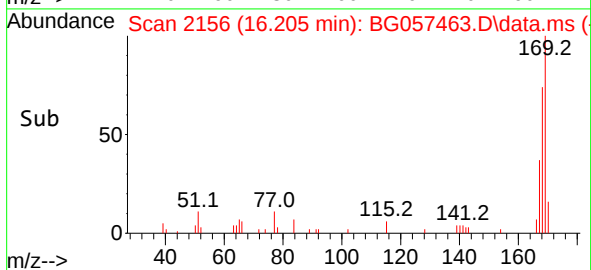
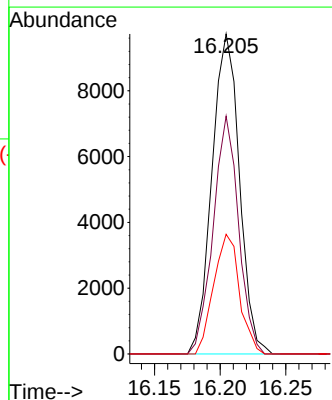
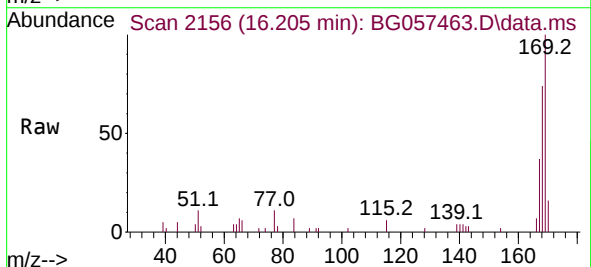
Manual Integrations
APPROVED

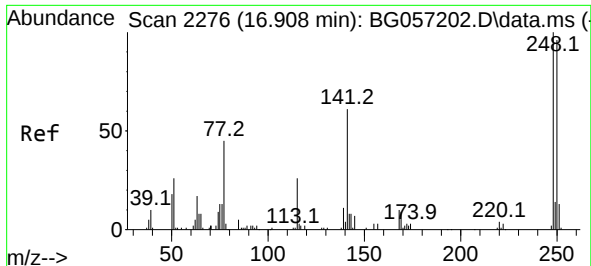
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#66
n-Nitrosodiphenylamine
Concen: 3.513 ng
RT: 16.205 min Scan# 2156
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

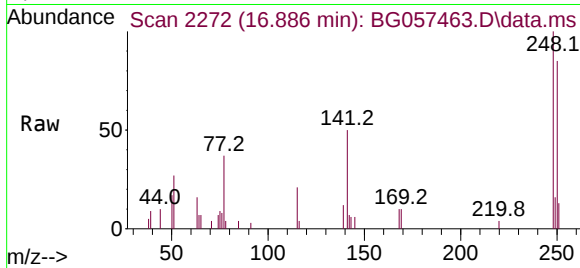
Tgt Ion:169 Resp: 14151
Ion Ratio Lower Upper
169 100
168 74.3 56.2 84.4
167 37.4 30.2 45.4





#67
4-Bromophenyl-phenylether
Concen: 3.429 ng
RT: 16.886 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

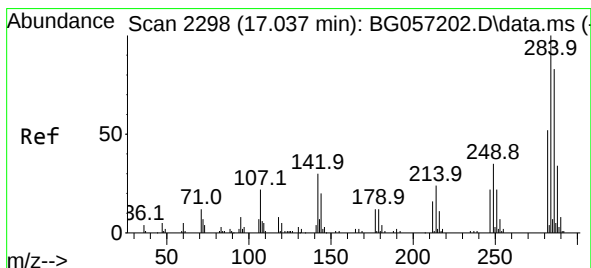
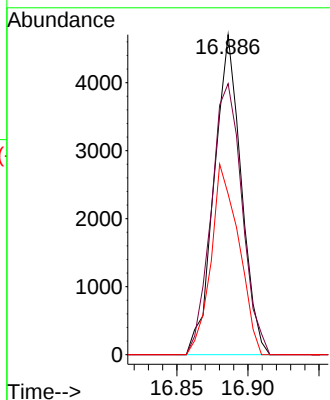
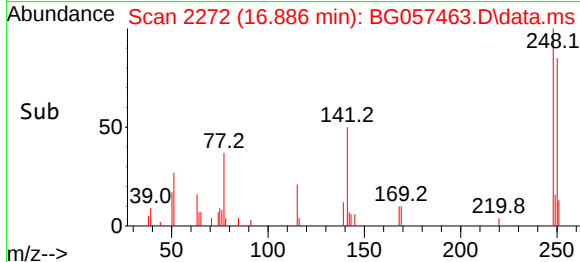
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



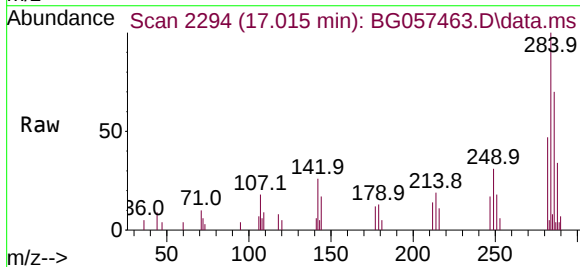
Tgt Ion:248 Resp: 6208
Ion Ratio Lower Upper
248 100
250 84.7 77.0 115.6
141 50.2 48.6 72.8

Manual Integrations
APPROVED

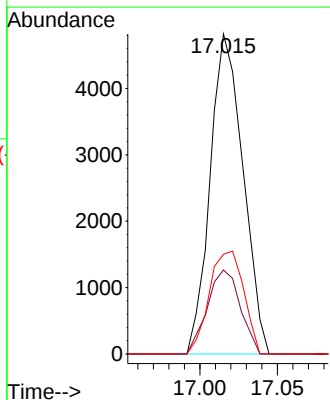
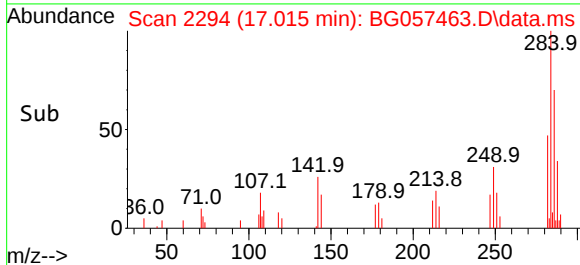
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

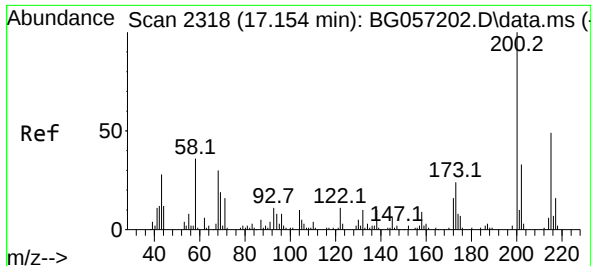


#68
Hexachlorobenzene
Concen: 4.030 ng
RT: 17.015 min Scan# 2294
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30



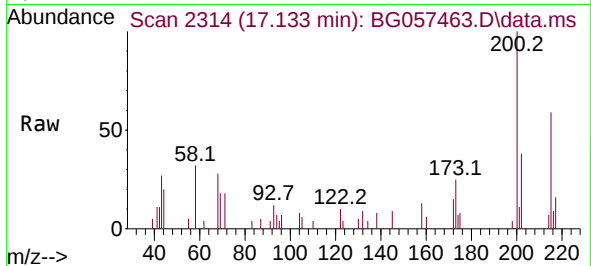
Tgt Ion:284 Resp: 7090
Ion Ratio Lower Upper
284 100
142 26.2 23.9 35.9
249 31.2 27.7 41.5





#69
 Atrazine
 Concen: 3.879 ng
 RT: 17.133 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG057463.D
 Acq: 19 May 2023 11:30

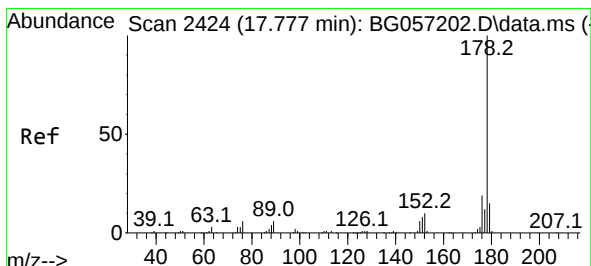
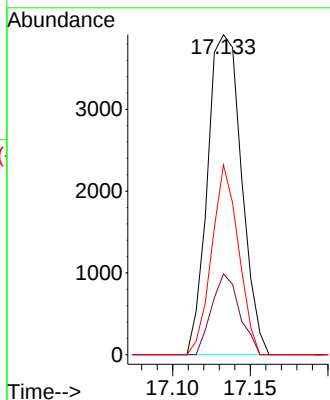
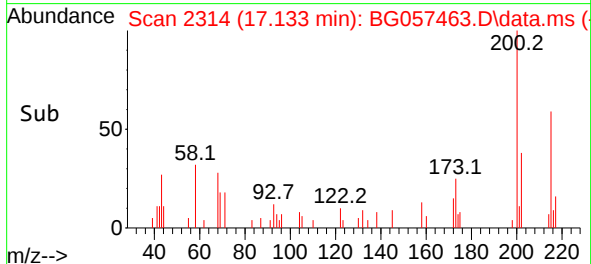
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2023



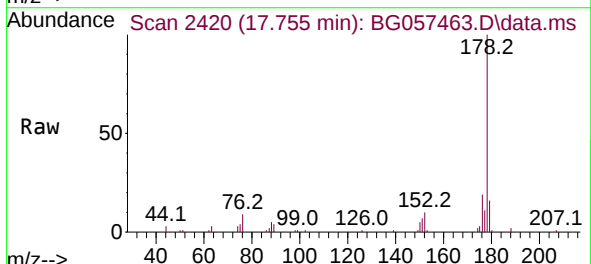
Tgt Ion:200 Resp: 5960
 Ion Ratio Lower Upper
 200 100
 173 25.3 4.3 44.3
 215 59.3 29.3 69.3

Manual Integrations
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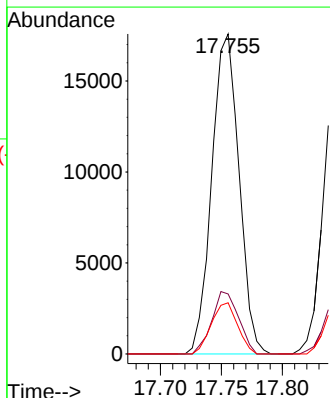
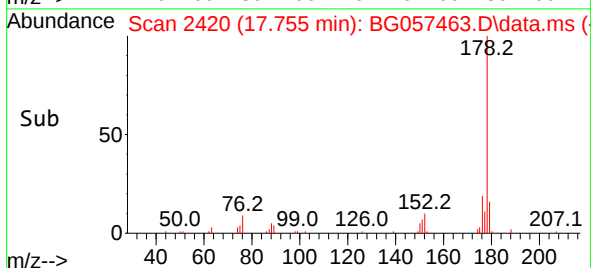
Reviewed By :Christian Giraldo 05/22/2023
 Supervised By :Jagrut Upadhyay 05/22/2023

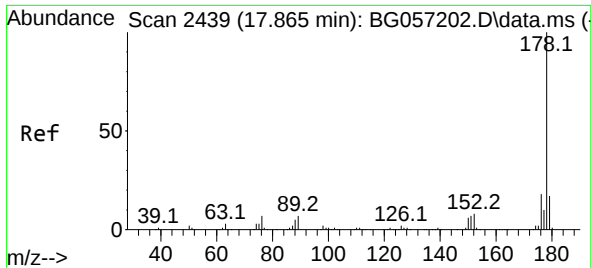


#71
 Phenanthrene
 Concen: 3.594 ng
 RT: 17.755 min Scan# 2420
 Delta R.T. 0.001 min
 Lab File: BG057463.D
 Acq: 19 May 2023 11:30



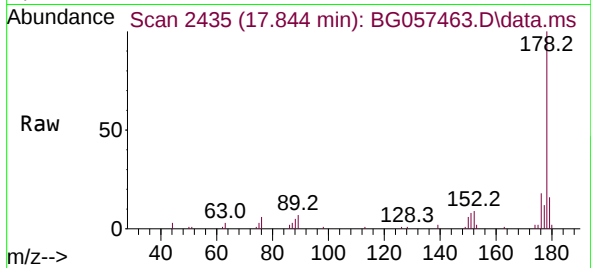
Tgt Ion:178 Resp: 27308
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 16.0 12.3 18.5





#72
 Anthracene
 Concen: 3.481 ng
 RT: 17.844 min Scan# 2435
 Delta R.T. -0.005 min
 Lab File: BG057463.D
 Acq: 19 May 2023 11:30

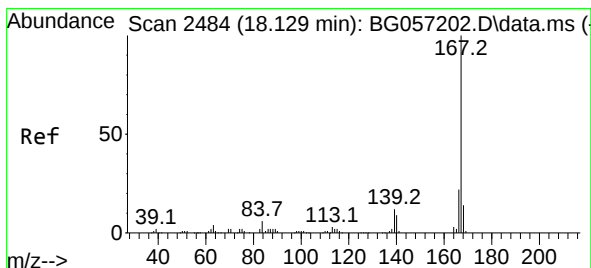
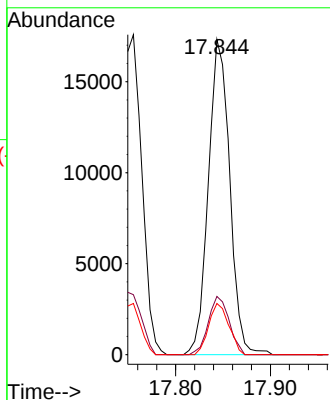
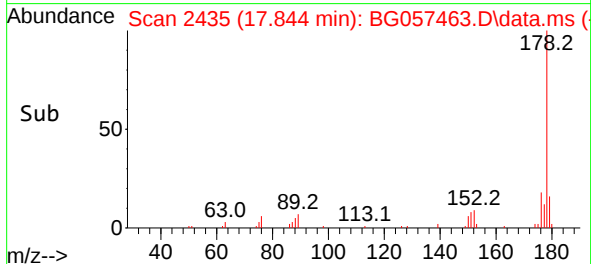
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2023



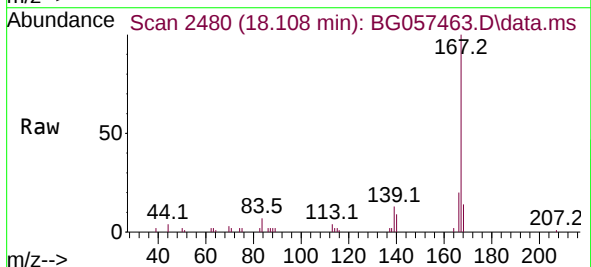
Tgt Ion:178 Resp: 27144
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.7 22.1
 179 16.3 13.2 19.8

Manual Integrations
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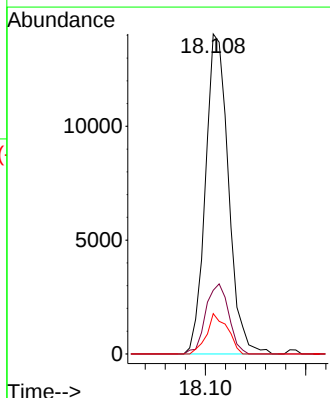
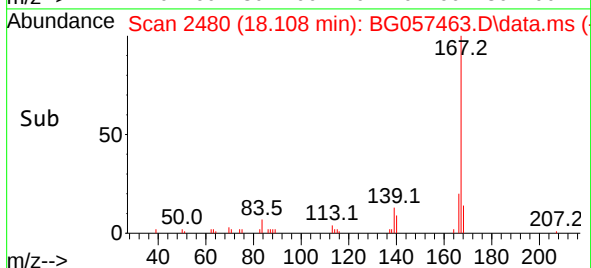
Reviewed By :Christian Giraldo 05/22/2023
 Supervised By :Jagrut Upadhyay 05/22/2023

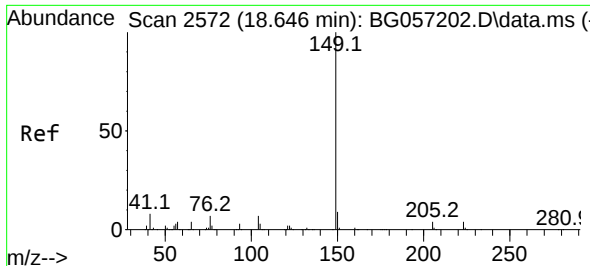


#73
 Carbazole
 Concen: 3.410 ng
 RT: 18.108 min Scan# 2480
 Delta R.T. -0.005 min
 Lab File: BG057463.D
 Acq: 19 May 2023 11:30



Tgt Ion:167 Resp: 22383
 Ion Ratio Lower Upper
 167 100
 166 19.9 17.4 26.0
 139 12.6 9.6 14.4





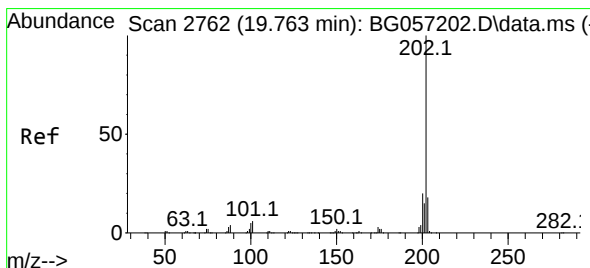
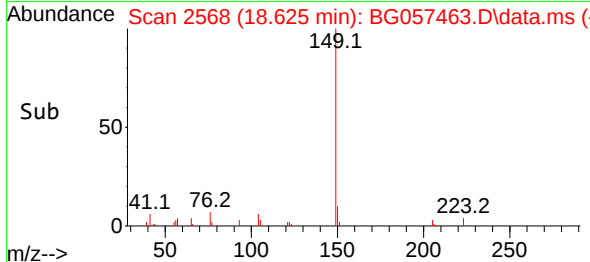
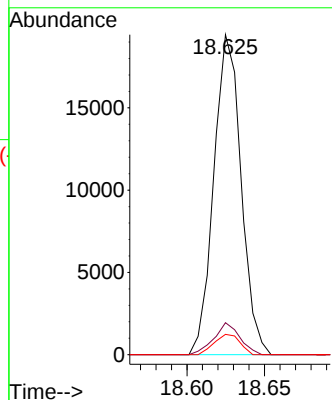
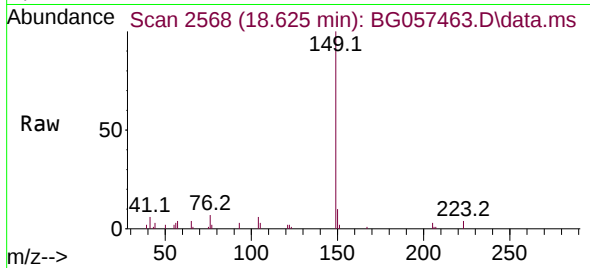
#74
Di-n-butylphthalate
Concen: 3.144 ng
RT: 18.625 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:149 Resp: 23749
Ion Ratio Lower Upper
149 100
150 10.0 7.3 10.9
104 6.4 5.4 8.2

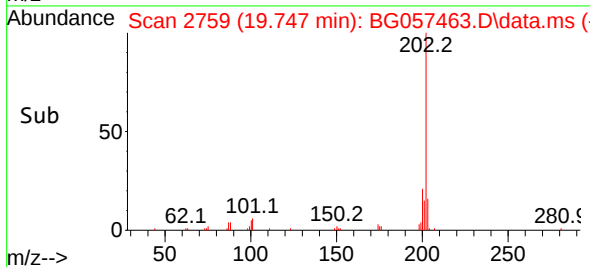
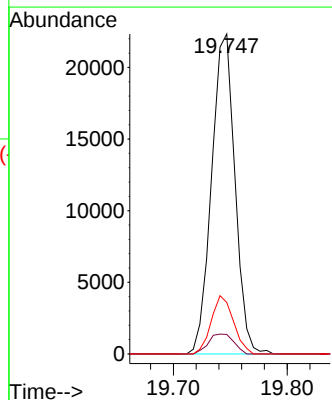
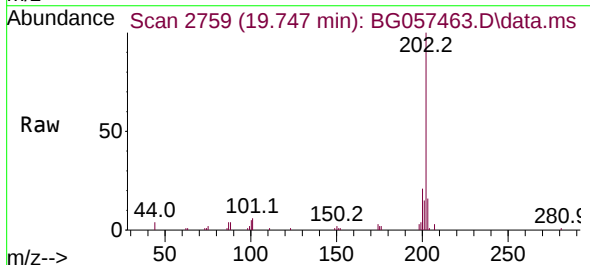
Manual Integrations
APPROVED

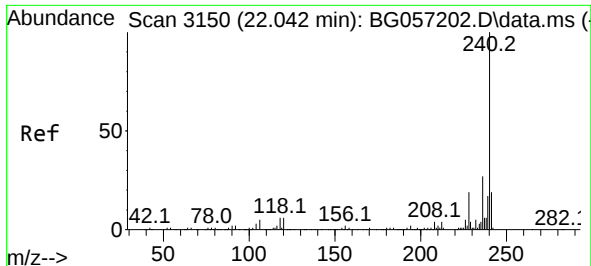
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#75
Fluoranthene
Concen: 3.375 ng
RT: 19.747 min Scan# 2759
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

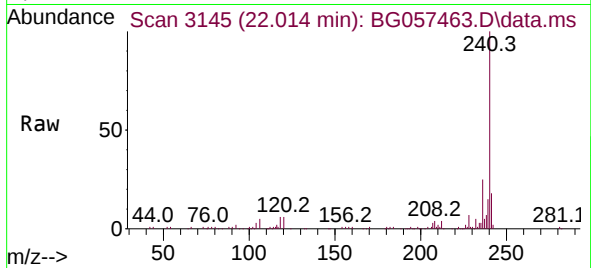
Tgt Ion:202 Resp: 31895
Ion Ratio Lower Upper
202 100
101 6.1 0.0 26.2
203 16.1 0.0 37.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.014 min Scan# 3150
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

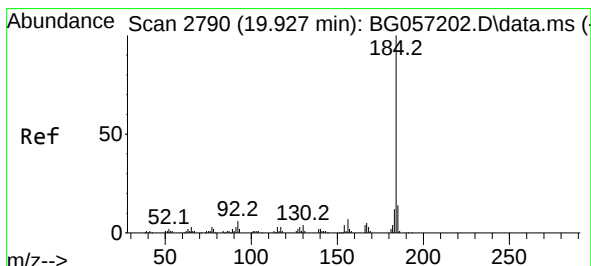
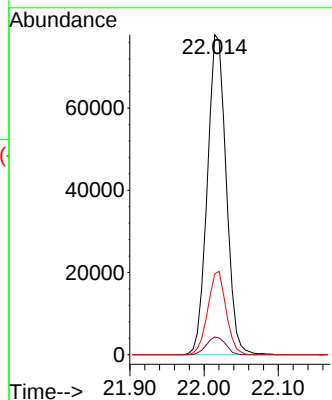
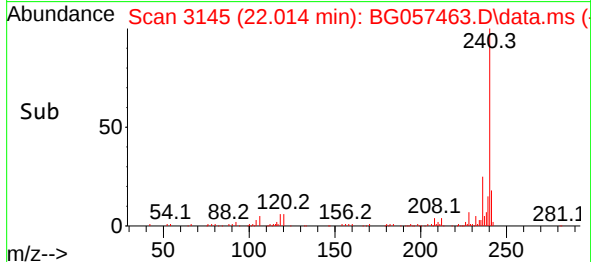
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



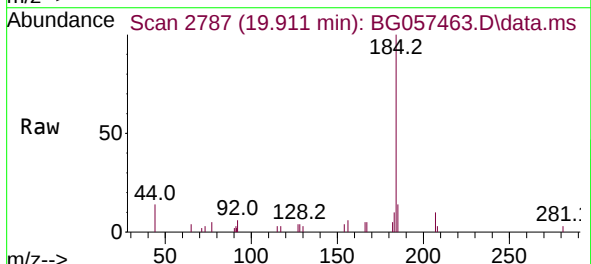
Tgt Ion:240 Resp: 137295
Ion Ratio Lower Upper
240 100
120 5.6 4.9 7.3
236 25.2 21.4 32.2

Manual Integrations
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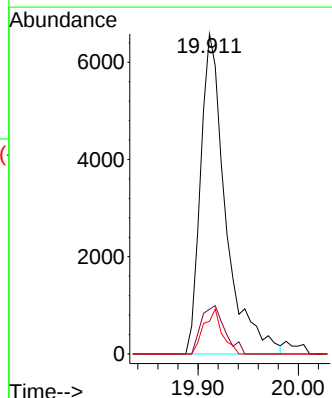
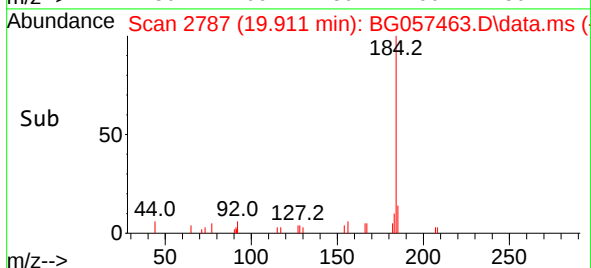
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

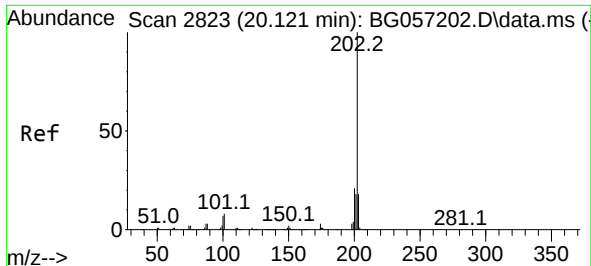


#77
Benzidine
Concen: 3.740 ng
RT: 19.911 min Scan# 2787
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30



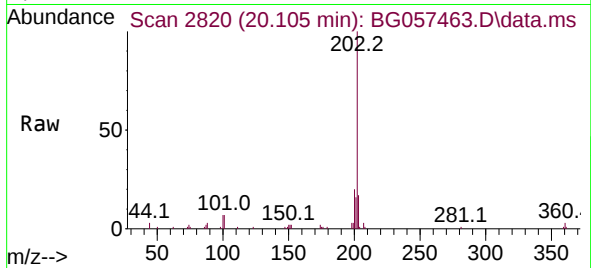
Tgt Ion:184 Resp: 11479
Ion Ratio Lower Upper
184 100
185 13.9 11.1 16.7
183 10.2 9.9 14.9





#78
 Pyrene
 Concen: 3.358 ng
 RT: 20.105 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG057463.D
 Acq: 19 May 2023 11:30

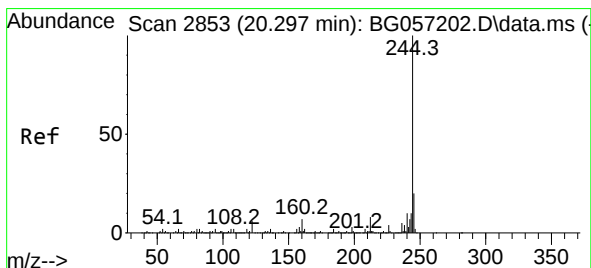
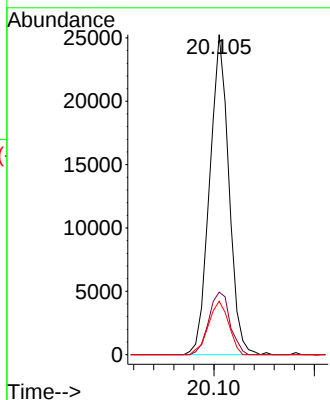
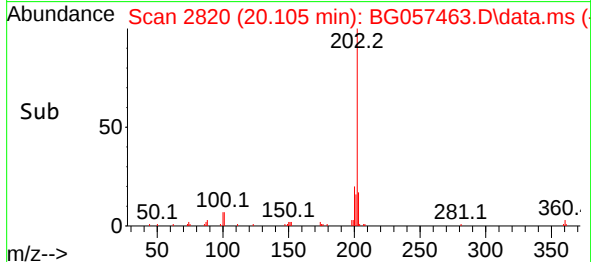
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2023



Tgt Ion:202 Resp: 33502
 Ion Ratio Lower Upper
 202 100
 200 19.6 17.0 25.4
 203 16.7 14.2 21.4

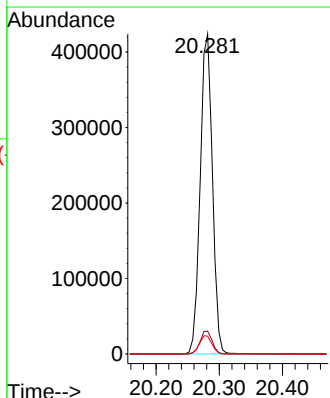
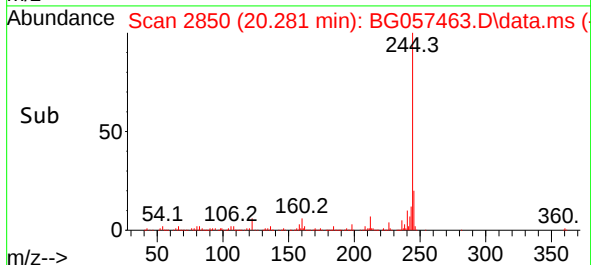
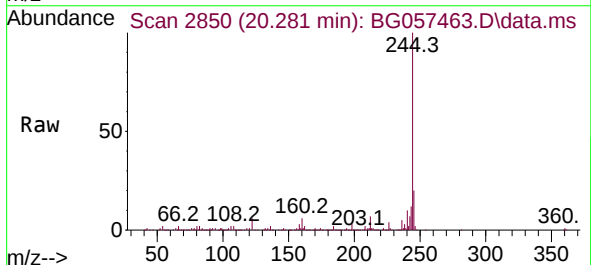
Manual Integrations
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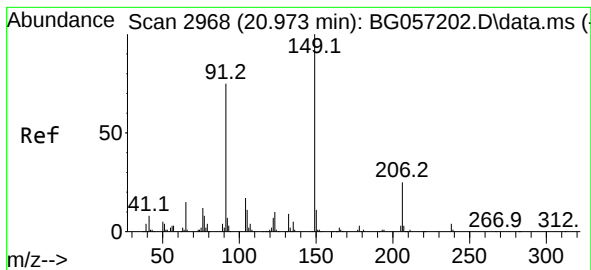
Reviewed By :Christian Giraldo 05/22/2023
 Supervised By :Jagrut Upadhyay 05/22/2023



#79
 Terphenyl-d14
 Concen: 67.702 ng
 RT: 20.281 min Scan# 2850
 Delta R.T. 0.001 min
 Lab File: BG057463.D
 Acq: 19 May 2023 11:30

Tgt Ion:244 Resp: 569582
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 5.5 5.1 7.7





#80

Butylbenzylphthalate

Concen: 3.232 ng

RT: 20.951 min Scan# 2964

Delta R.T. -0.005 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

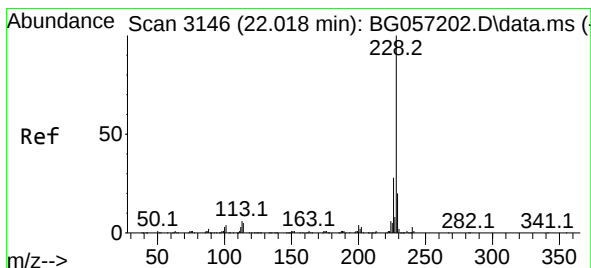
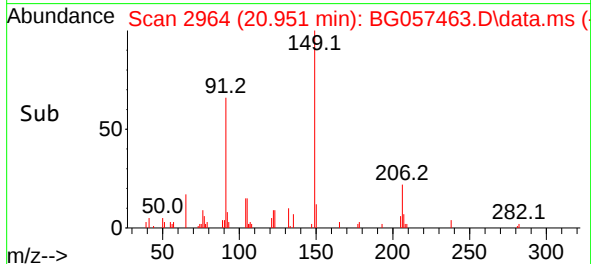
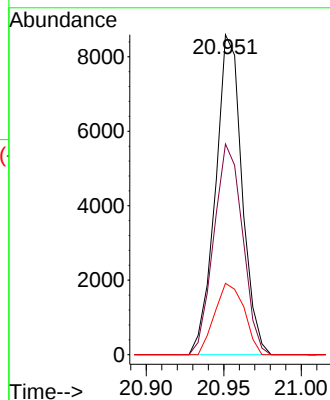
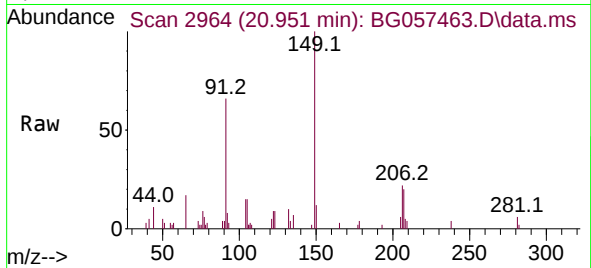
Tgt Ion:	149	Resp:	10230
Ion Ratio	Lower	Upper	
149	100		
91	65.9	59.7	89.5
206	22.3	19.7	29.5

Manual Integrations

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Reviewed By :Christian Giraldo 05/22/2023

Supervised By :Jagrut Upadhyay 05/22/2023



#81

Benzo(a)anthracene

Concen: 3.468 ng

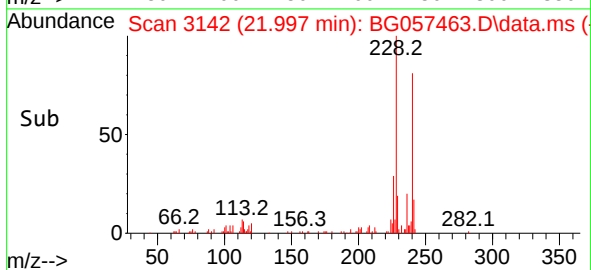
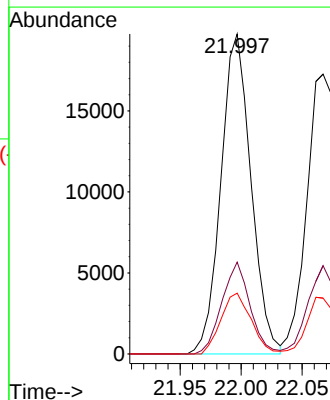
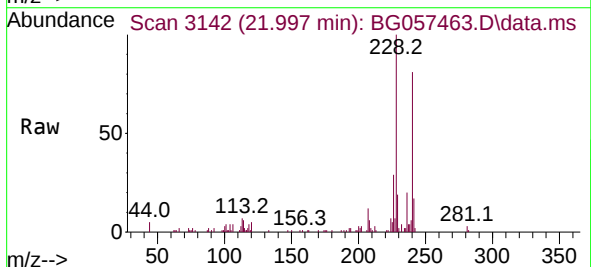
RT: 21.997 min Scan# 3142

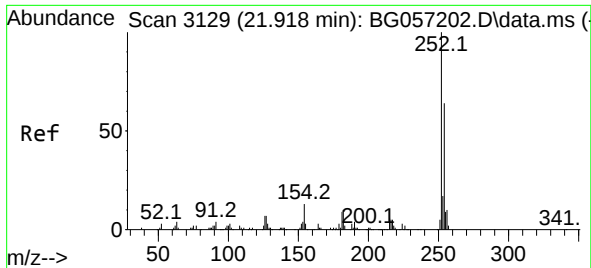
Delta R.T. 0.001 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

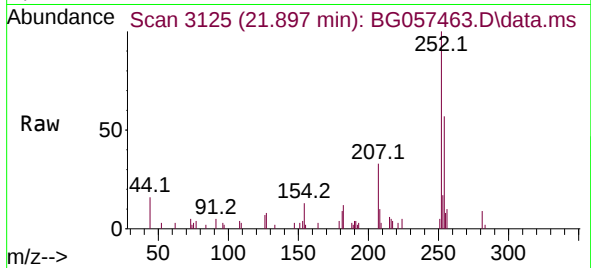
Tgt Ion:	228	Resp:	33922
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.0	33.0
229	19.0	15.8	23.8





#82
3,3'-Dichlorobenzidine
Concen: 4.020 ng
RT: 21.897 min Scan# 3125
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

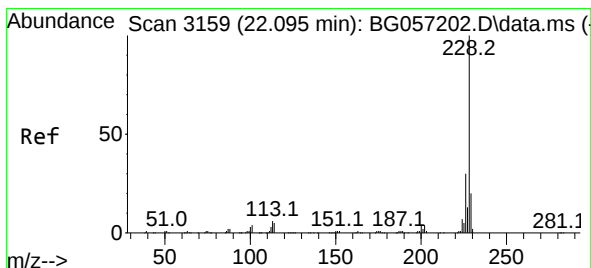
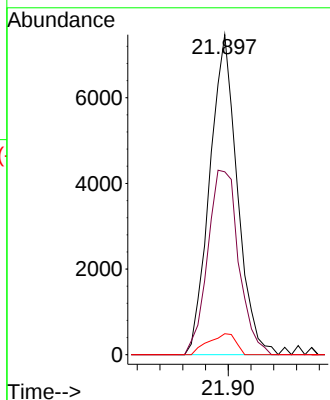
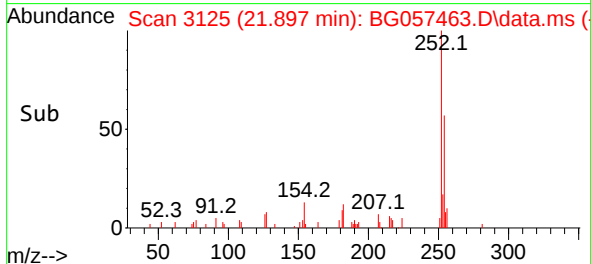
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



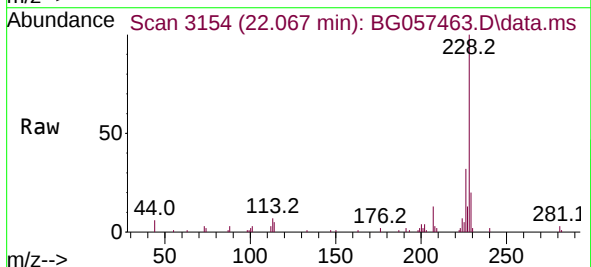
Tgt Ion:252 Resp: 12590
Ion Ratio Lower Upper
252 100
254 57.2 51.4 77.0
126 6.5 5.9 8.9

Manual Integrations
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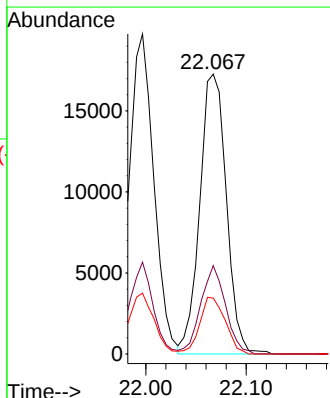
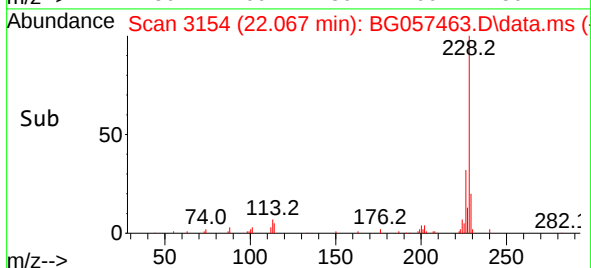
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

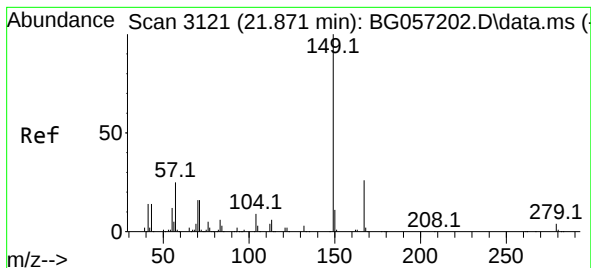


#83
Chrysene
Concen: 3.457 ng
RT: 22.067 min Scan# 3154
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30



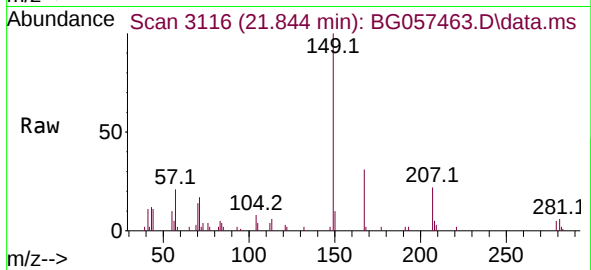
Tgt Ion:228 Resp: 31815
Ion Ratio Lower Upper
228 100
226 31.6 24.3 36.5
229 20.0 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.346 ng
RT: 21.844 min Scan# 3116
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

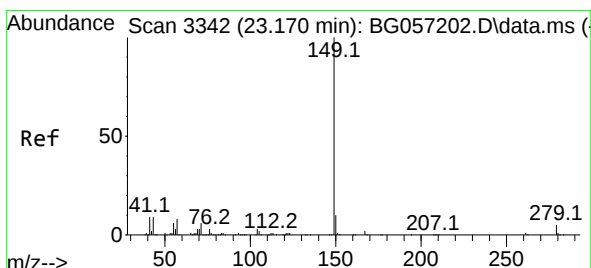
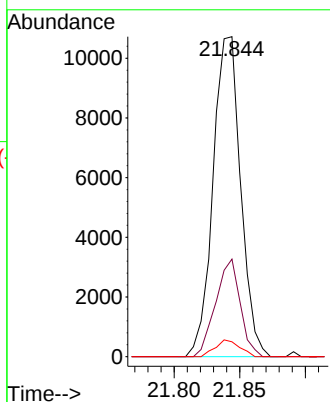
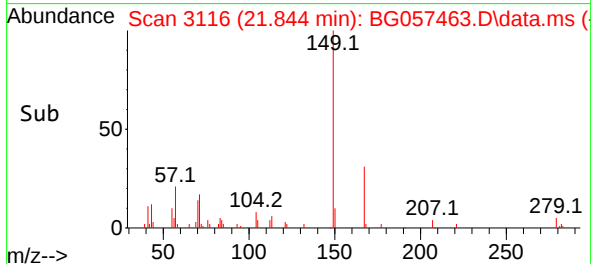
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



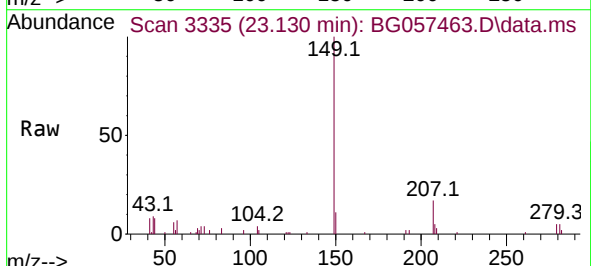
Tgt Ion:149 Resp: 15670
Ion Ratio Lower Upper
149 100
167 30.5 21.2 31.8
279 4.6 3.5 5.3

Manual Integrations
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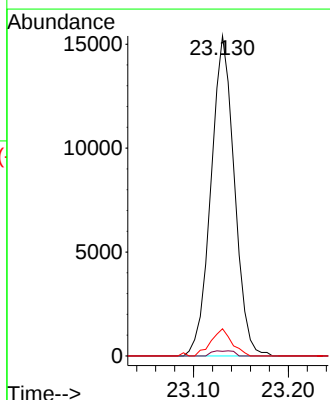
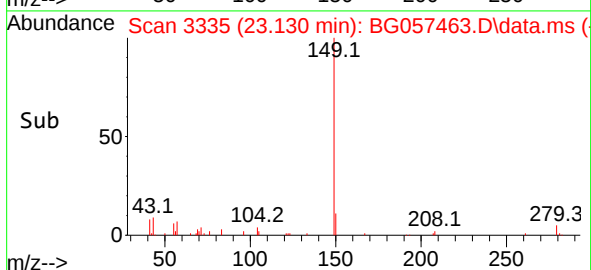
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

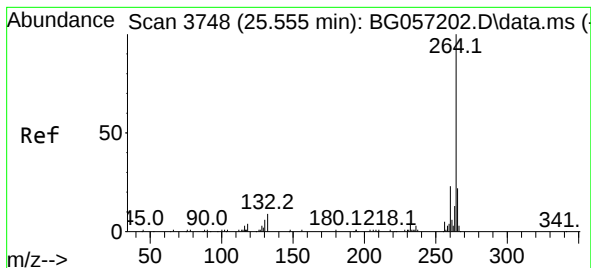


#85
Di-n-octyl phthalate
Concen: 3.384 ng
RT: 23.130 min Scan# 3335
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30



Tgt Ion:149 Resp: 26422
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 7.5 7.8 11.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.510 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG057463.D

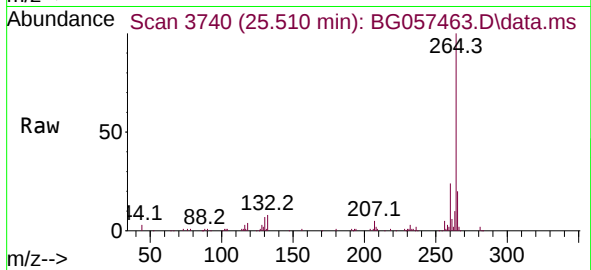
Acq: 19 May 2023 11:30

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2023

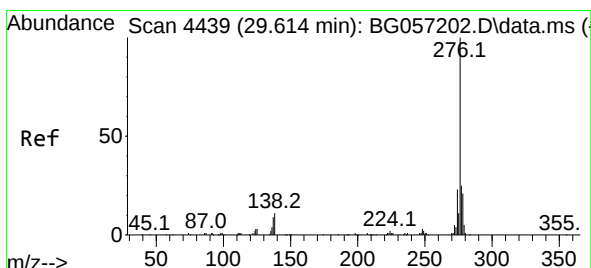
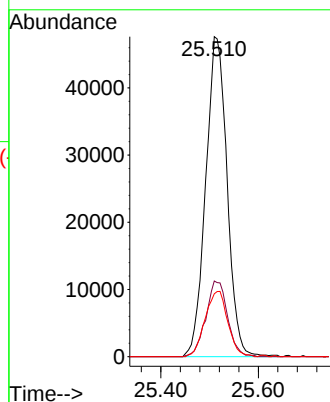
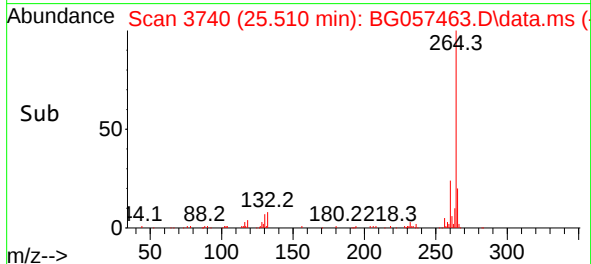


Tgt Ion:	264	Resp:	144894
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.8	28.2
265	19.7	17.9	26.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.453 ng

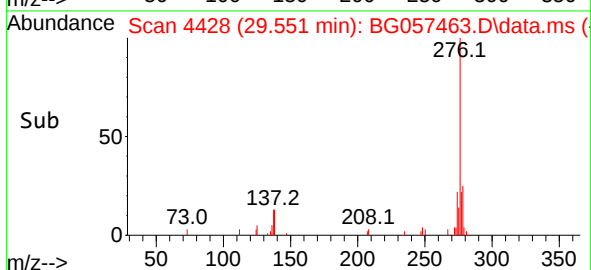
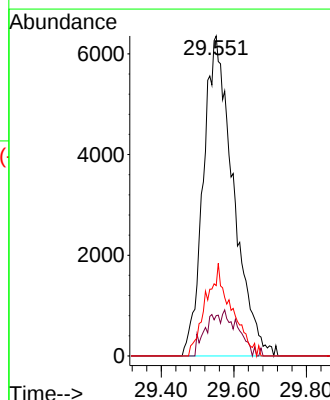
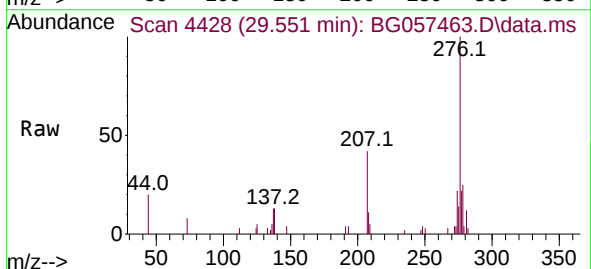
RT: 29.551 min Scan# 4428

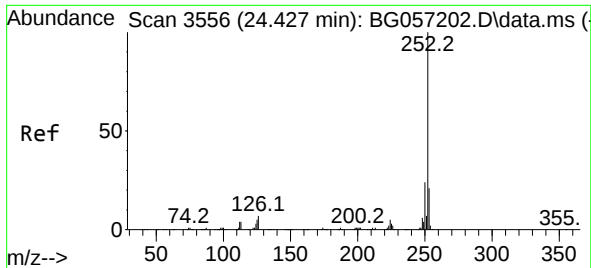
Delta R.T. -0.011 min

Lab File: BG057463.D

Acq: 19 May 2023 11:30

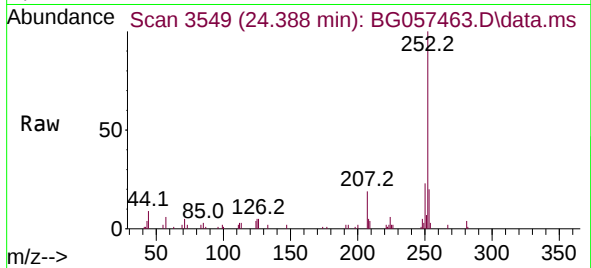
Tgt Ion:	276	Resp:	36468
Ion Ratio	Lower	Upper	
276	100		
138	4.7	5.4	8.0#
277	24.8	20.6	30.8





#88
Benzo(b)fluoranthene
Concen: 3.547 ng
RT: 24.388 min Scan# 3549
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

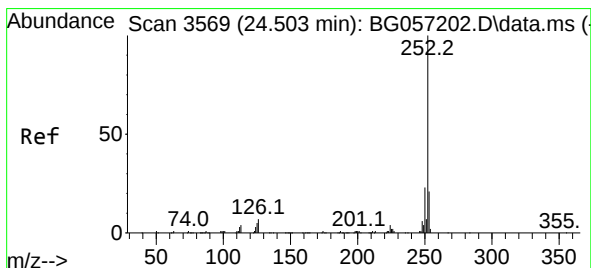
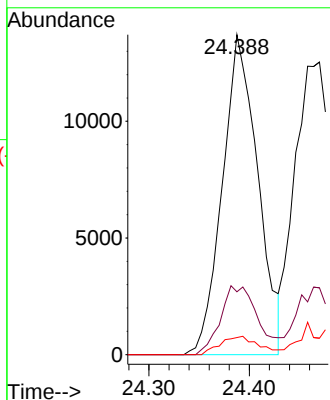
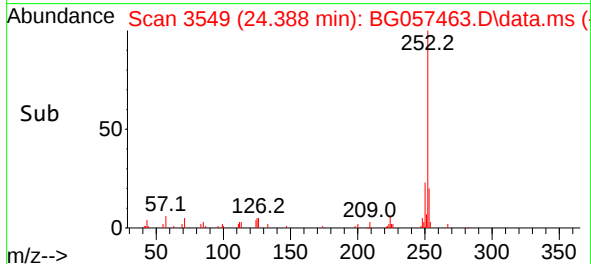
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion:252 Resp: 33600
Ion Ratio Lower Upper
252 100
253 19.6 17.0 25.6
125 5.4 4.2 6.2

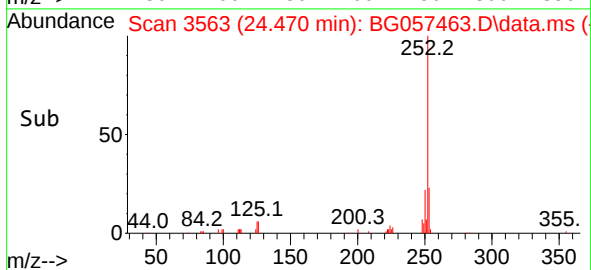
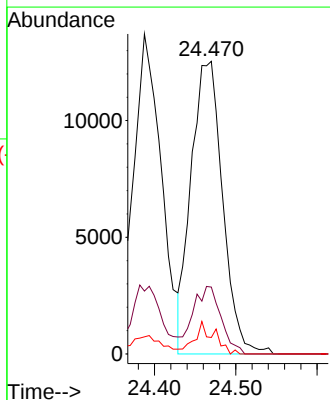
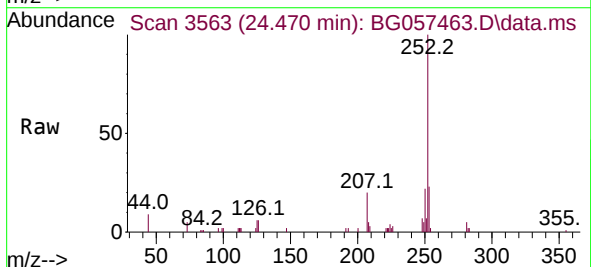
Manual Integrations
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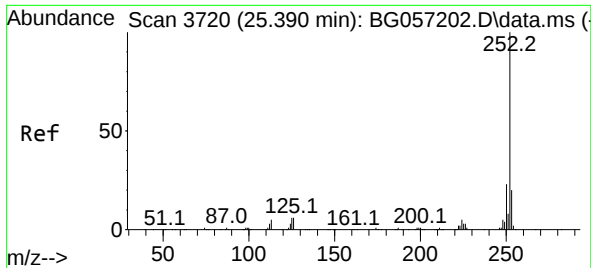
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#89
Benzo(k)fluoranthene
Concen: 3.518 ng
RT: 24.470 min Scan# 3563
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

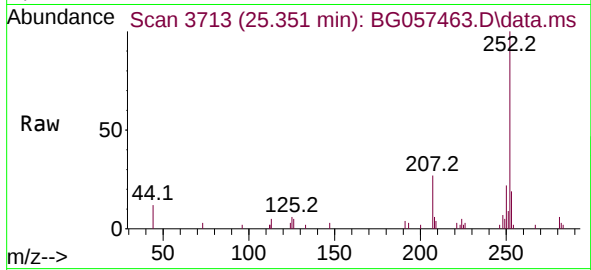
Tgt Ion:252 Resp: 33859
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 5.7 4.1 6.1





#90
Benzo(a)pyrene
Concen: 3.082 ng
RT: 25.351 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

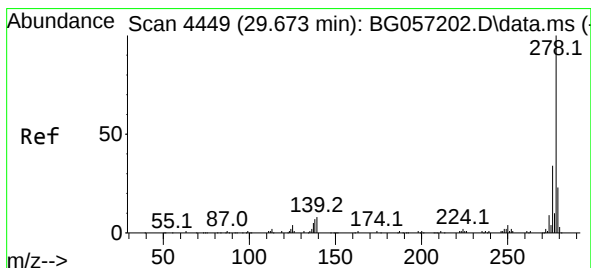
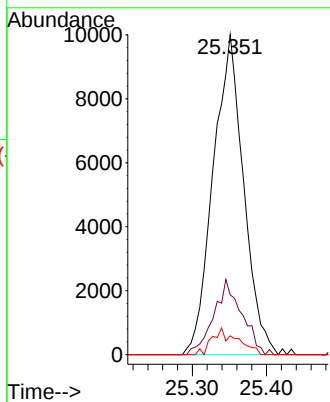
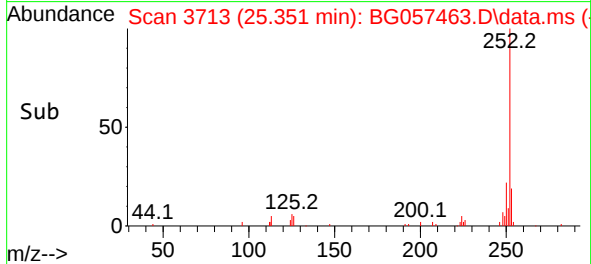
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



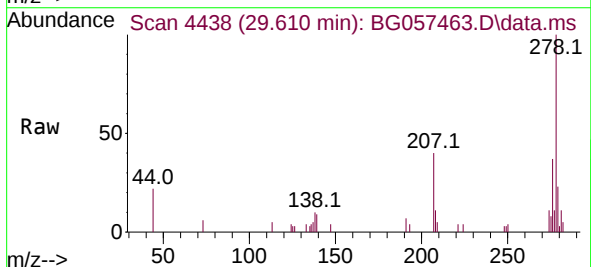
Tgt Ion:252 Resp: 28510
Ion Ratio Lower Upper
252 100
253 18.7 16.3 24.5
125 5.9 5.0 7.4

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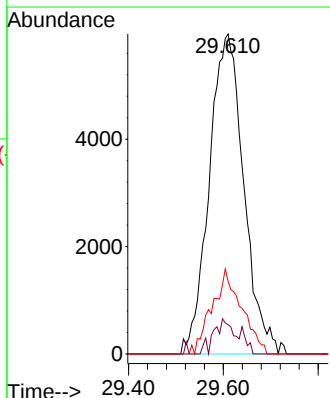
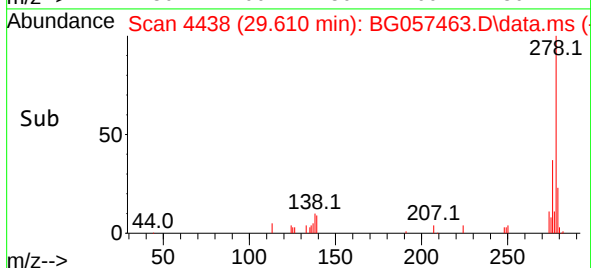
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

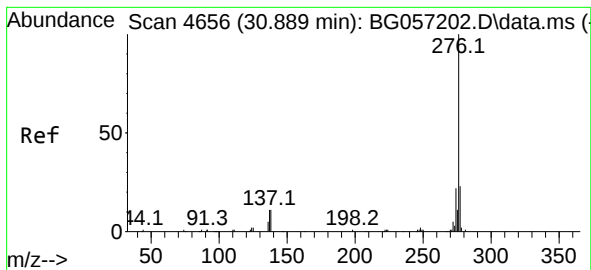


#91
Dibenzo(a,h)anthracene
Concen: 3.412 ng
RT: 29.610 min Scan# 4438
Delta R.T. 0.001 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30



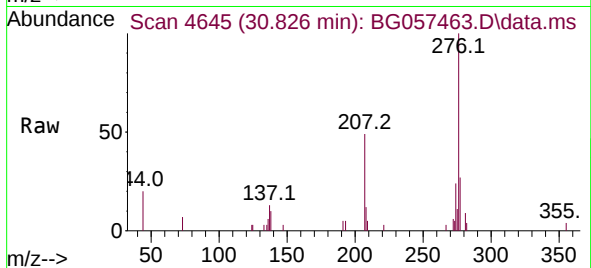
Tgt Ion:278 Resp: 30004
Ion Ratio Lower Upper
278 100
139 9.1 6.2 9.2
279 22.7 18.6 27.8





#92
Benzo(g,h,i)perylene
Concen: 3.386 ng
RT: 30.826 min Scan# 40
Delta R.T. -0.011 min
Lab File: BG057463.D
Acq: 19 May 2023 11:30

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:276 Resp: 29079
Ion Ratio Lower Upper
276 100
277 26.8 18.4 27.6
138 10.1 9.0 13.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

