

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020123\
 Data File : BG056501.D
 Acq On : 1 Feb 2023 15:34
 Operator : CG/JU
 Sample : N3980-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/02/2023
 Supervised By : Jagrut Upadhyay 02/02/2023

Quant Time: Feb 02 05:02:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	34462	20.000	ng	# 0.00
21) Naphthalene-d8	11.108	136	128407	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	108535	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	281786	20.000	ng	0.00
76) Chrysene-d12	21.919	240	269920	20.000	ng	0.00
86) Perylene-d12	25.339	264	298933	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	199391	106.435	ng	0.00
7) Phenol-d6	7.418	99	286014	103.042	ng	0.00
23) Nitrobenzene-d5	9.451	82	187505	82.920	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	156733	108.623	ng	0.00
45) 2-Fluorobiphenyl	13.523	172	651827	83.264	ng	0.00
79) Terphenyl-d14	20.209	244	1233078	80.236	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.599	88	6162	7.899	ng	99
3) Pyridine	4.022	79	16770	7.212	ng	# 92
4) n-Nitrosodimethylamine	3.928	42	3647	7.375	ng	# 77
6) Aniline	7.589	93	26739	7.358	ng	99
8) 2-Chlorophenol	7.836	128	14980	7.279	ng	94
9) Benzaldehyde	7.401	77	14048	8.608	ng	95
10) Phenol	7.442	94	20324	7.204	ng	87
11) bis(2-Chloroethyl)ether	7.677	93	15047	7.760	ng	95
12) 1,3-Dichlorobenzene	8.165	146	19154	8.084	ng	93
13) 1,4-Dichlorobenzene	8.311	146	19996	8.333	ng	92
14) 1,2-Dichlorobenzene	8.635	146	18033	7.746	ng	93
15) Benzyl Alcohol	8.511	79	14180	7.446	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.793	45	3227	7.854	ng	88
17) 2-Methylphenol	8.717	107	14660	6.831	ng	# 90
18) Hexachloroethane	9.369	117	5936	8.179	ng	97
19) n-Nitroso-di-n-propyla...	9.075	70	11958	7.476	ng	# 94
20) 3+4-Methylphenols	9.040	107	20140	6.696	ng	86
22) Acetophenone	9.099	105	27994	8.205	ng	# 98
24) Nitrobenzene	9.492	77	18133	8.313	ng	99
25) Isophorone	10.009	82	37849	8.113	ng	98
26) 2-Nitrophenol	10.209	139	10421	7.874	ng	97
27) 2,4-Dimethylphenol	10.256	122	16008	7.228	ng	97
28) bis(2-Chloroethoxy)met...	10.485	93	20897	8.109	ng	92
29) 2,4-Dichlorophenol	10.750	162	19712	7.907	ng	95
30) 1,2,4-Trichlorobenzene	10.967	180	23222	8.382	ng	97
31) Naphthalene	11.155	128	54216	8.000	ng	97
32) Benzoic acid	10.374	122	11353m	9.162	ng	
33) 4-Chloroaniline	11.261	127	24905	7.872	ng	96
34) Hexachlorobutadiene	11.431	225	17372	8.933	ng	97
35) Caprolactam	12.007	113	6580	7.826	ng	94
36) 4-Chloro-3-methylphenol	12.366	107	18147	7.537	ng	95
37) 2-Methylnaphthalene	12.742	142	44297	7.928	ng	97
38) 1-Methylnaphthalene	12.959	142	42405	8.126	ng	93
40) 1,2,4,5-Tetrachloroben...	13.106	216	33209	8.375	ng	99
41) Hexachlorocyclopentadiene	13.076	237	9308	10.447	ng	95
43) 2,4,6-Trichlorophenol	13.341	196	19215	7.520	ng	94

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Instrument :
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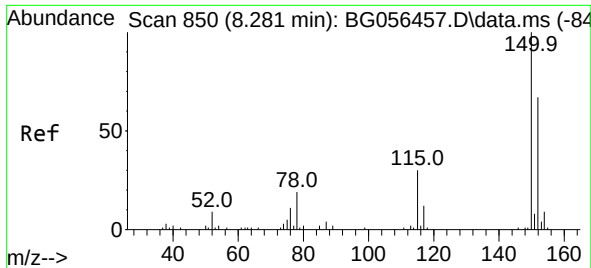
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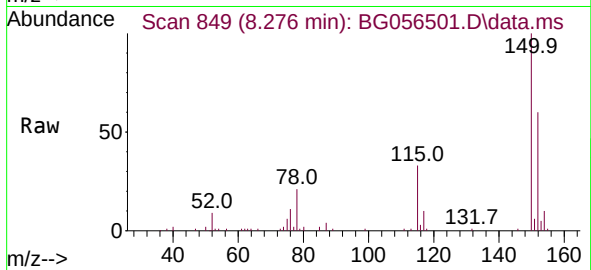
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.417	196	21546	7.202	ng	94
46) 1,1'-Biphenyl	13.729	154	63810	8.106	ng	98
47) 2-Chloronaphthalene	13.781	162	50321	8.178	ng	98
48) 2-Nitroaniline	13.975	65	8774	6.898	ng	87
49) Acenaphthylene	14.622	152	79607	7.952	ng	97
50) Dimethylphthalate	14.328	163	68035	7.748	ng	99
51) 2,6-Dinitrotoluene	14.457	165	14492	7.568	ng	97
52) Acenaphthene	14.957	154	47644	8.025	ng	99
53) 3-Nitroaniline	14.792	138	13298	7.163	ng	95
54) 2,4-Dinitrophenol	15.009	184	4622	3.850	ng	# 91
55) Dibenzofuran	15.291	168	84201	7.909	ng	99
56) 4-Nitrophenol	15.103	139	8841	6.970	ng	90
57) 2,4-Dinitrotoluene	15.244	165	20491	7.597	ng	95
58) Fluorene	15.938	166	69091	8.155	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.521	232	19905	7.483	ng	# 93
60) Diethylphthalate	15.679	149	64610	7.836	ng	97
61) 4-Chlorophenyl-phenyle...	15.914	204	41215	7.973	ng	97
62) 4-Nitroaniline	15.950	138	13787	7.422	ng	94
63) Azobenzene	16.208	77	44853	7.906	ng	94
65) 4,6-Dinitro-2-methylph...	16.014	198	12129	6.122	ng	94
66) n-Nitrosodiphenylamine	16.132	169	61931	7.763	ng	96
67) 4-Bromophenyl-phenylether	16.813	248	27907	7.736	ng	98
68) Hexachlorobenzene	16.942	284	28721	8.129	ng	96
69) Atrazine	17.060	200	26821	8.714	ng	97
70) Pentachlorophenol	17.289	266	9243m	4.324	ng	
71) Phenanthrene	17.677	178	115562	7.836	ng	97
72) Anthracene	17.765	178	120614	7.967	ng	99
73) Carbazole	18.029	167	101053	7.837	ng	100
74) Di-n-butylphthalate	18.558	149	103091	7.615	ng	99
75) Fluoranthene	19.669	202	149595	8.037	ng	98
77) Benzidine	19.833	184	84223	11.531	ng	99
78) Pyrene	20.027	202	151080	7.870	ng	99
80) Butylbenzylphthalate	20.885	149	43354	7.395	ng	95
81) Benzo(a)anthracene	21.896	228	148017	7.844	ng	97
82) 3,3'-Dichlorobenzidine	21.802	252	59791	8.799	ng	# 94
83) Chrysene	21.972	228	138391	7.806	ng	97
84) Bis(2-ethylhexyl)phtha...	21.760	149	61619	7.331	ng	97
85) Di-n-octyl phthalate	23.029	149	104574	7.470	ng	100
87) Indeno(1,2,3-cd)pyrene	29.269	276	164978	7.539	ng	# 93
88) Benzo(b)fluoranthene	24.246	252	153448	8.270	ng	97
89) Benzo(k)fluoranthene	24.316	252	150637	8.041	ng	100
90) Benzo(a)pyrene	25.174	252	133137	7.284	ng	94
91) Dibenzo(a,h)anthracene	29.334	278	145606	7.927	ng	97
92) Benzo(g,h,i)perylene	30.503	276	139289	7.859	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

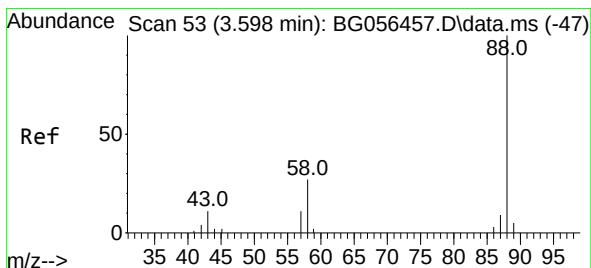
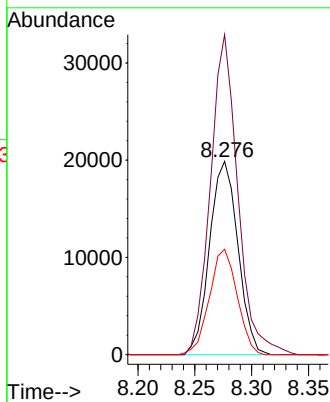
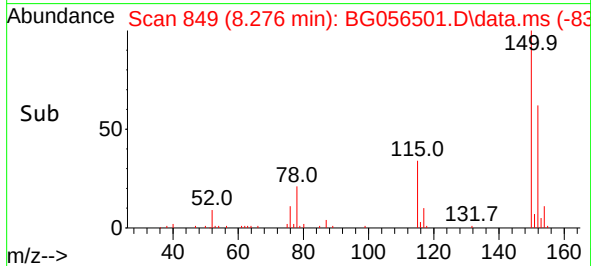
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:152 Resp: 34462
Ion Ratio Lower Upper
152 100
150 165.7 120.2 180.4
115 54.5 36.3 54.5

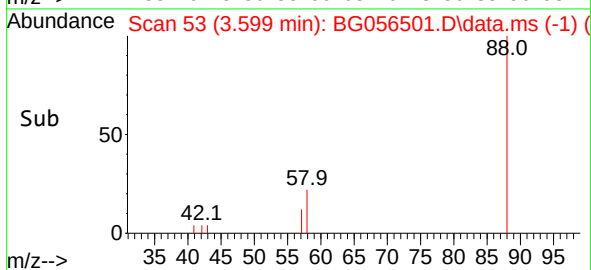
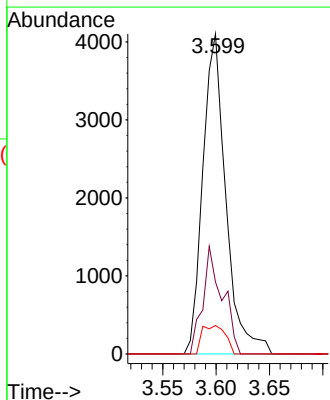
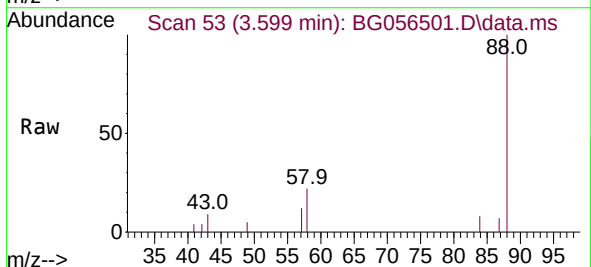
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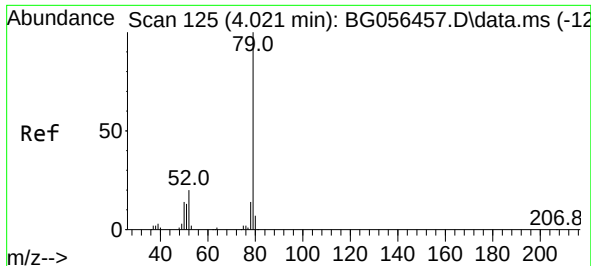
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#2
1,4-Dioxane
Concen: 7.899 ng
RT: 3.599 min Scan# 53
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

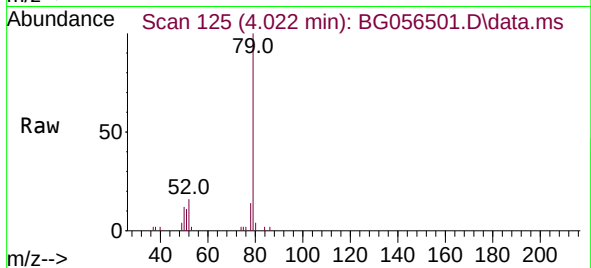
Tgt Ion: 88 Resp: 6162
Ion Ratio Lower Upper
88 100
58 28.7 23.0 34.4
43 8.9 8.0 12.0





#3
Pyridine
Concen: 7.212 ng
RT: 4.022 min Scan# 110
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

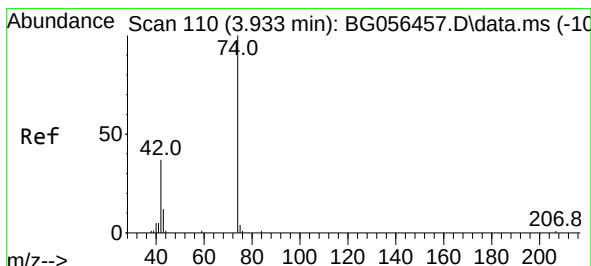
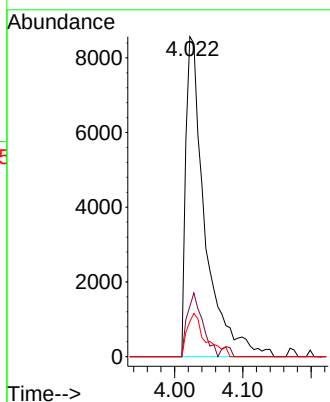
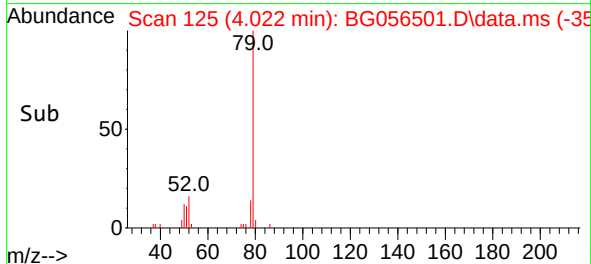
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



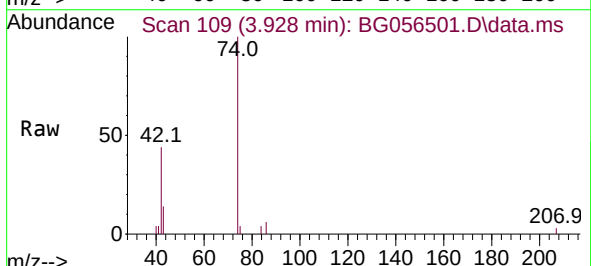
Tgt Ion: 79 Resp: 16776
Ion Ratio Lower Upper
79 100
52 15.7 16.1 24.1
51 11.0 10.7 16.1

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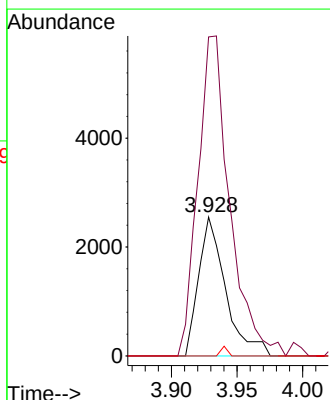
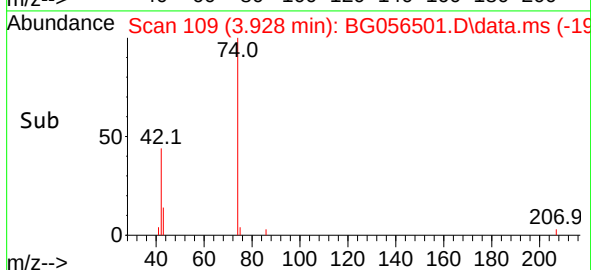
Reviewed By :Christian Giraldo 02/02/2023
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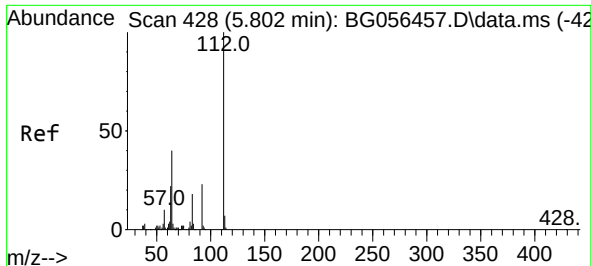


#4
n-Nitrosodimethylamine
Concen: 7.375 ng
RT: 3.928 min Scan# 109
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



Tgt Ion: 42 Resp: 3647
Ion Ratio Lower Upper
42 100
74 229.9 217.9 326.9
44 0.0 3.0 4.6





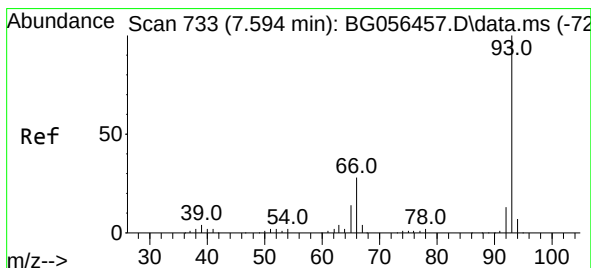
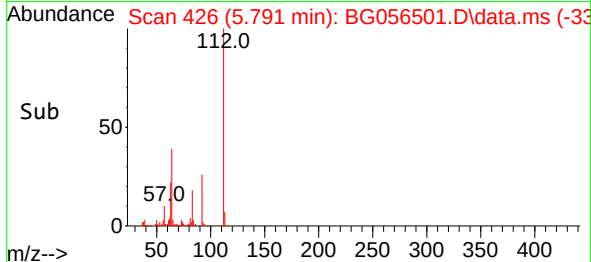
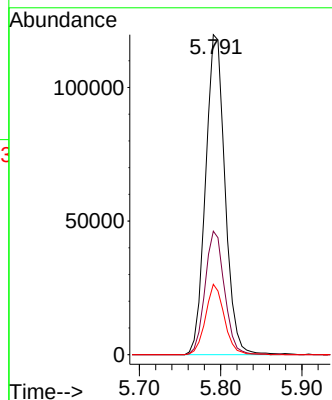
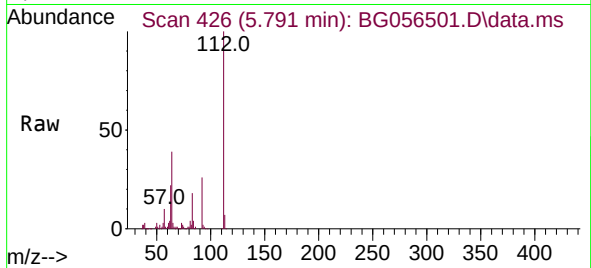
#5
2-Fluorophenol
Concen: 106.435 ng
RT: 5.791 min Scan# 428
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion: 112 Resp: 199391
Ion Ratio Lower Upper
112 100
64 38.6 31.9 47.9
63 22.0 17.4 26.0

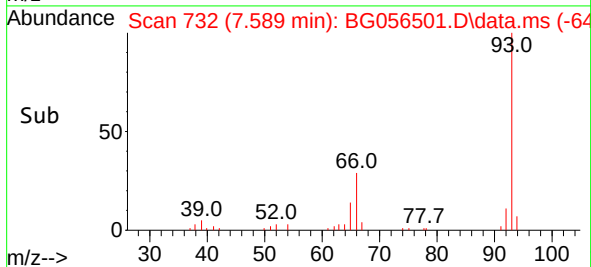
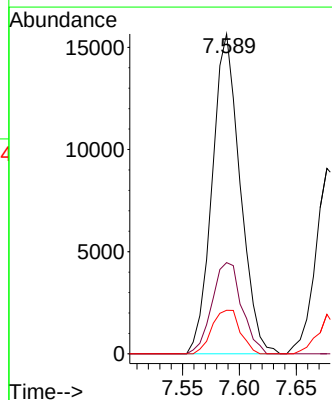
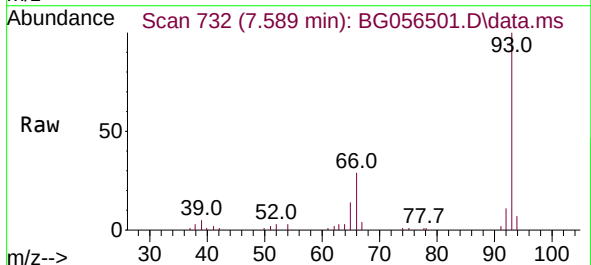
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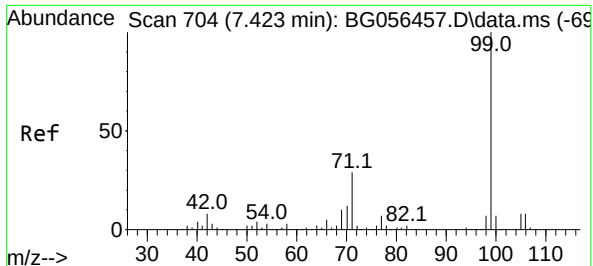
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#6
Aniline
Concen: 7.358 ng
RT: 7.589 min Scan# 732
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

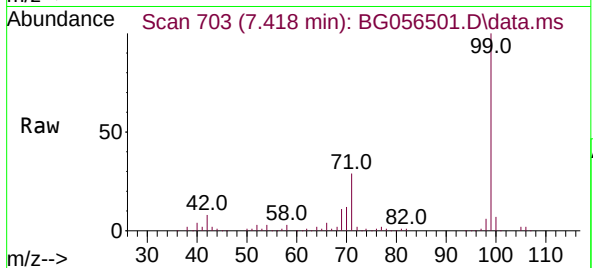
Tgt Ion: 93 Resp: 26739
Ion Ratio Lower Upper
93 100
66 28.5 22.2 33.2
65 13.6 11.3 16.9





#7
Phenol-d6
Concen: 103.042 ng
RT: 7.418 min Scan# 704
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

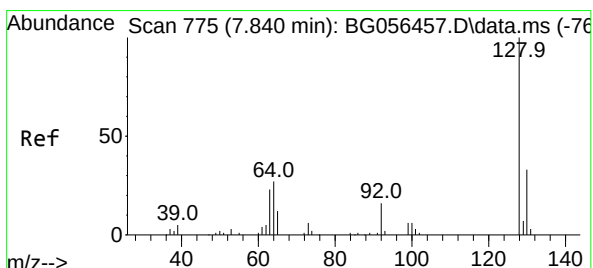
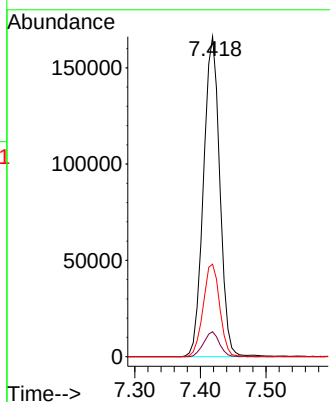
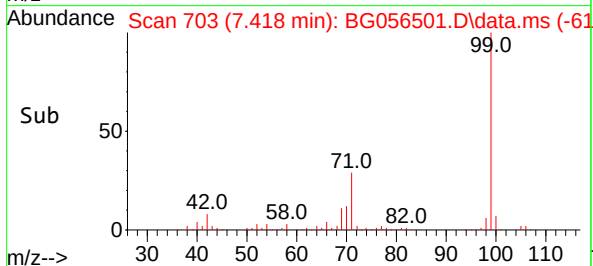
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 99 Resp: 286014
Ion Ratio Lower Upper
99 100
42 7.8 6.6 10.0
71 28.9 23.4 35.0

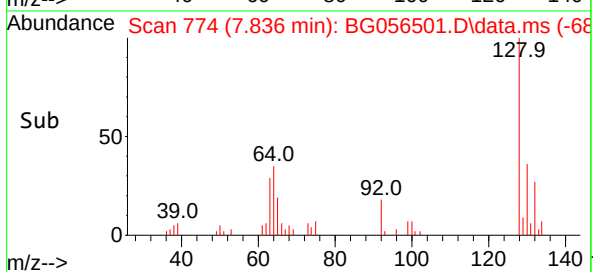
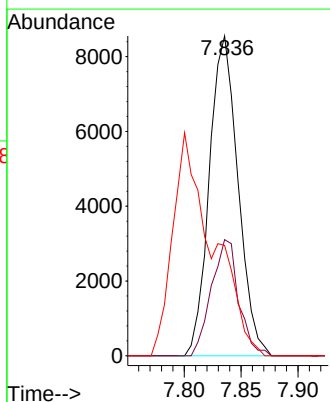
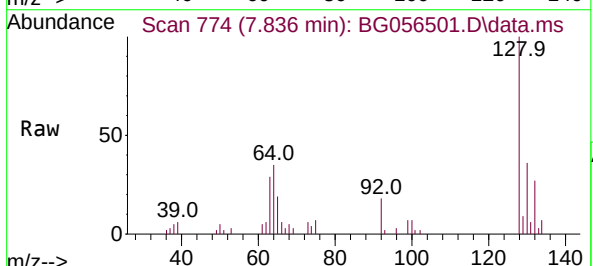
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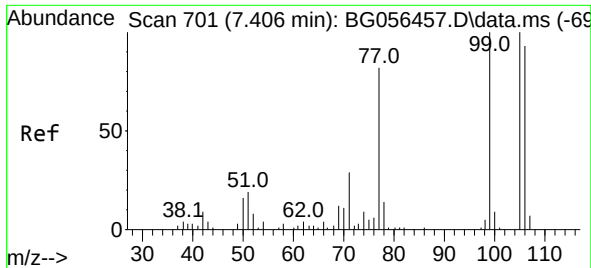
Reviewed By :Christian Giraldo 02/02/2023
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#8
2-Chlorophenol
Concen: 7.279 ng
RT: 7.836 min Scan# 774
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:128 Resp: 14980
Ion Ratio Lower Upper
128 100
130 36.3 12.8 52.8
64 34.5 11.3 51.3





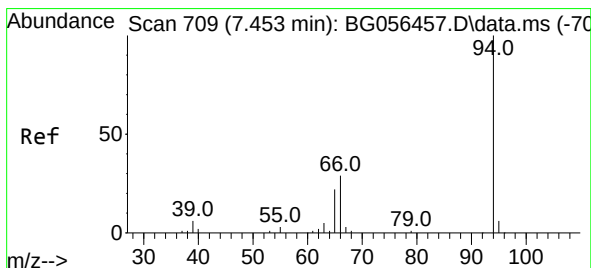
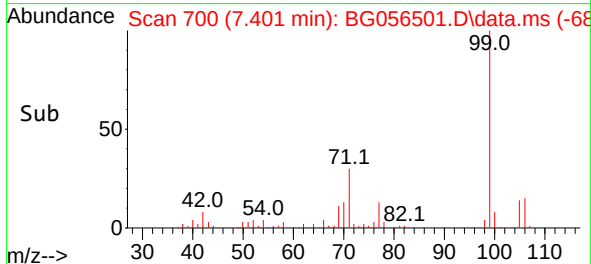
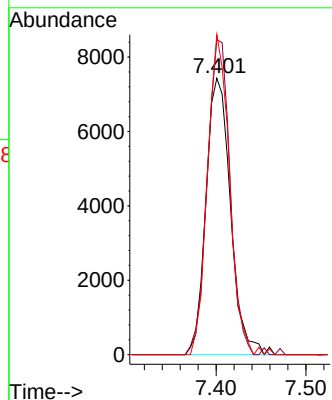
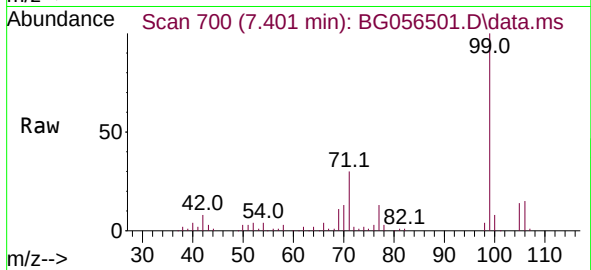
#9
Benzaldehyde
Concen: 8.608 ng
RT: 7.401 min Scan# 701
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion: 77 Resp: 14048
Ion Ratio Lower Upper
77 100
105 114.0 101.8 141.8
106 115.8 93.0 133.0

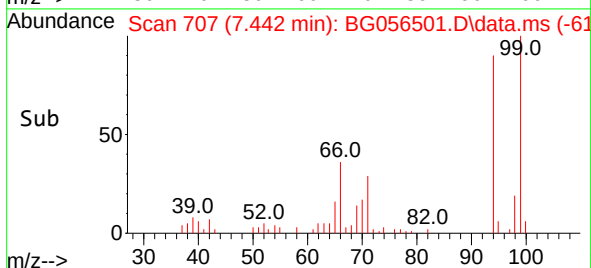
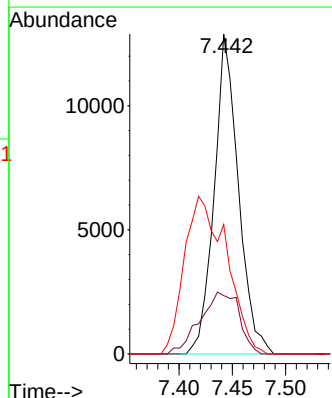
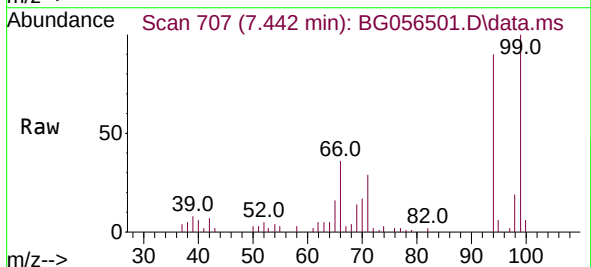
Manual Integrations
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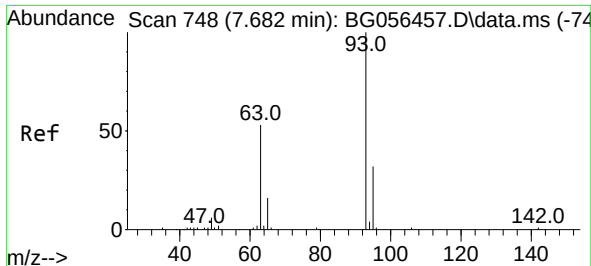
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#10
Phenol
Concen: 7.204 ng
RT: 7.442 min Scan# 707
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion: 94 Resp: 20324
Ion Ratio Lower Upper
94 100
65 18.2 2.3 42.3
66 40.4 11.2 51.2





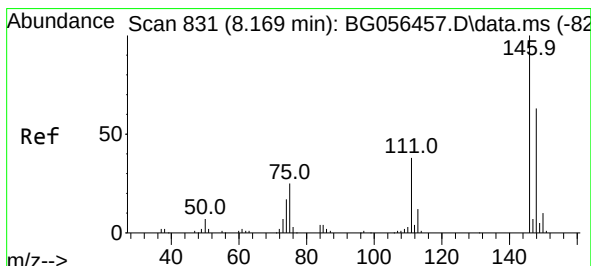
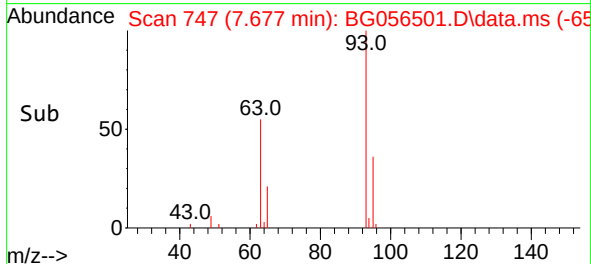
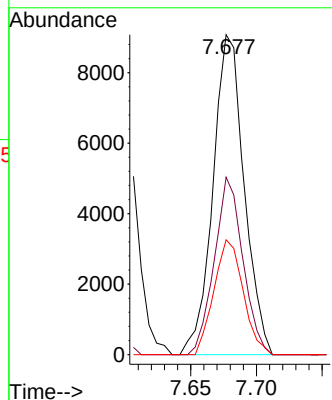
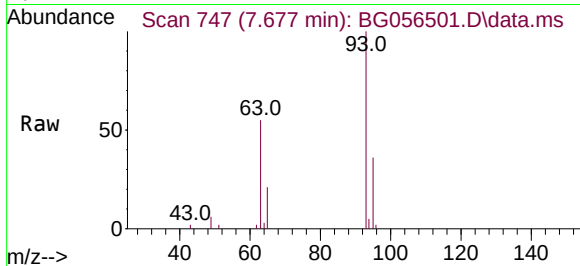
#11
bis(2-Chloroethyl)ether
Concen: 7.760 ng
RT: 7.677 min Scan# 74
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion: 93 Resp: 1504
Ion Ratio Lower Upper
93 100
63 55.4 32.4 72.4
95 35.9 11.8 51.8

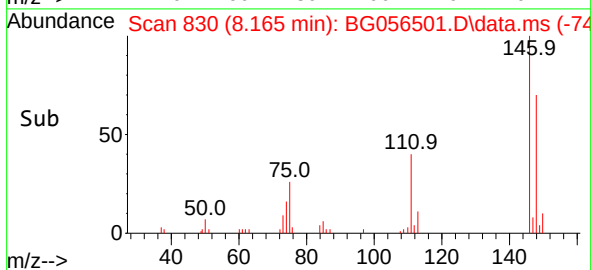
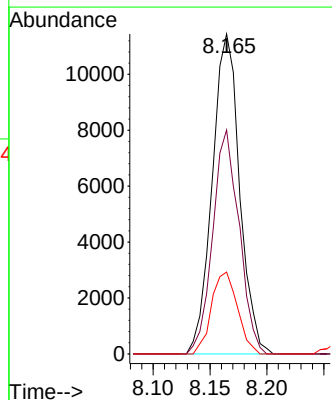
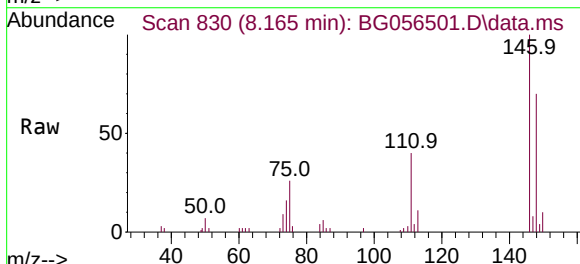
Manual Integrations
APPROVED

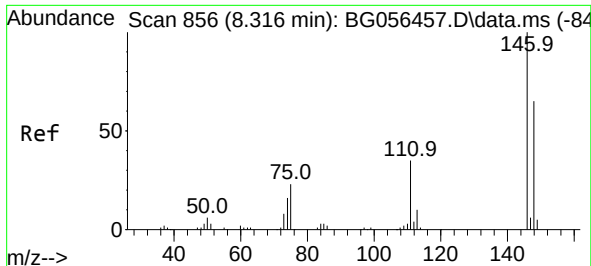
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#12
1,3-Dichlorobenzene
Concen: 8.084 ng
RT: 8.165 min Scan# 830
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:146 Resp: 19154
Ion Ratio Lower Upper
146 100
148 70.0 50.6 75.8
75 25.6 19.6 29.4





#13

1,4-Dichlorobenzene

Concen: 8.333 ng

RT: 8.311 min Scan# 81

Delta R.T. 0.001 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

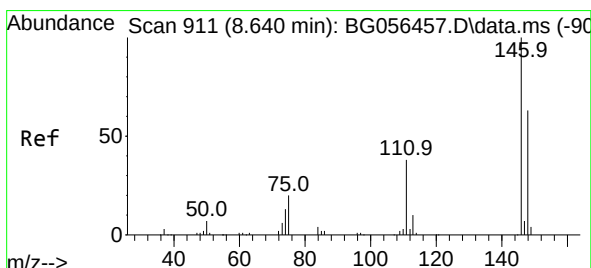
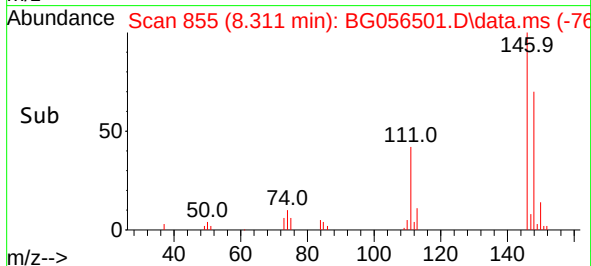
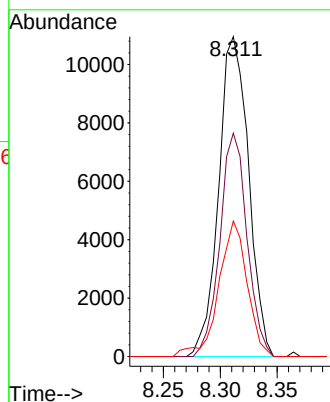
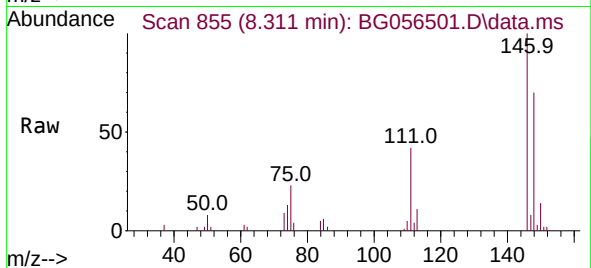
MDL-SOIL-03-QT3-2022

Tgt Ion:146 Resp: 19996
 Ion Ratio Lower Upper
 146 100
 148 69.8 51.8 77.6
 111 42.4 28.6 42.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023
 Supervised By :Jagrut Upadhyay 02/02/2023



#14

1,2-Dichlorobenzene

Concen: 7.746 ng

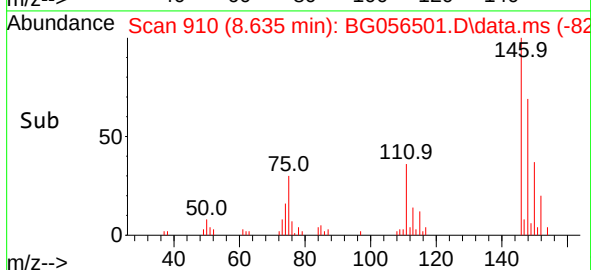
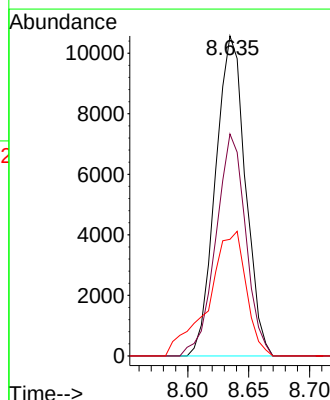
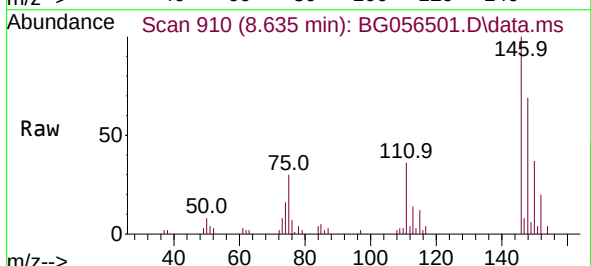
RT: 8.635 min Scan# 910

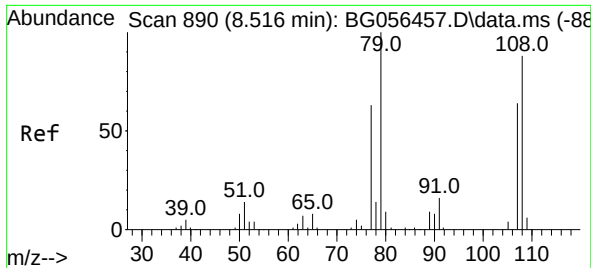
Delta R.T. 0.001 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

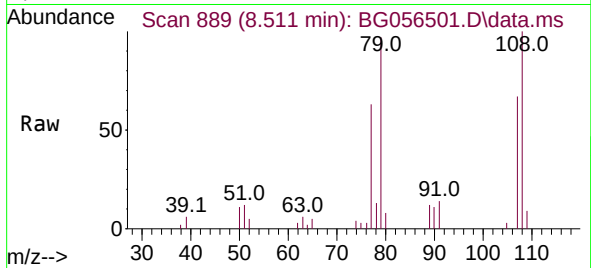
Tgt Ion:146 Resp: 18033
 Ion Ratio Lower Upper
 146 100
 148 69.3 50.1 75.1
 111 36.4 30.9 46.3





#15
Benzyl Alcohol
Concen: 7.446 ng
RT: 8.511 min Scan# 889
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

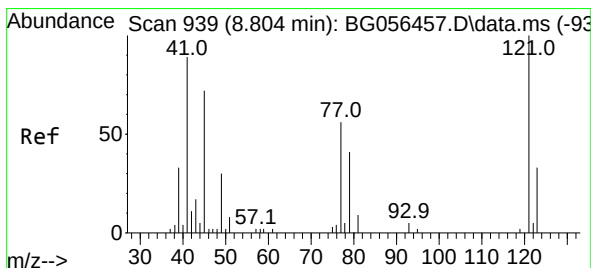
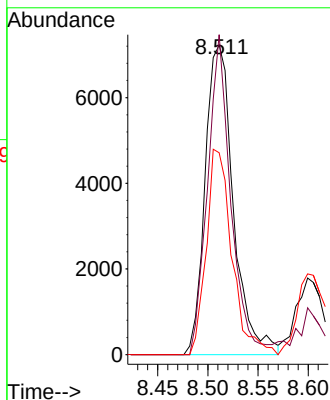
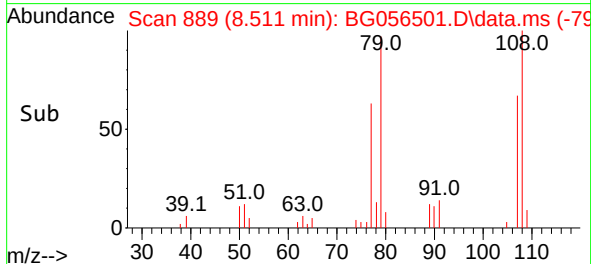
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 79 Resp: 14180
Ion Ratio Lower Upper
79 100
108 103.3 70.1 105.1
77 65.2 50.3 75.5

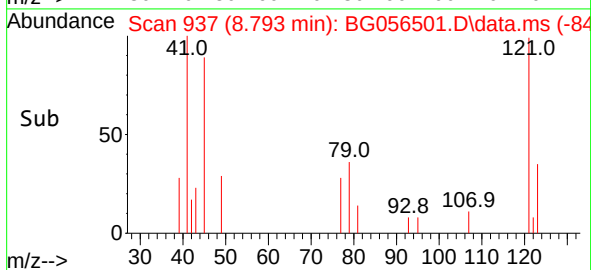
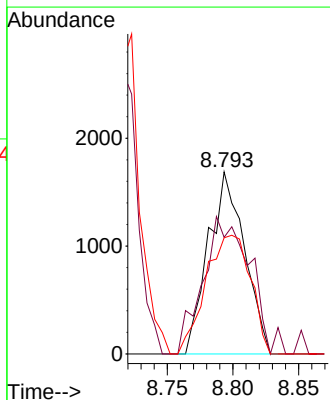
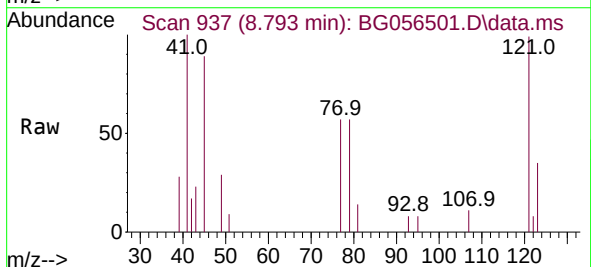
Manual Integrations
APPROVED

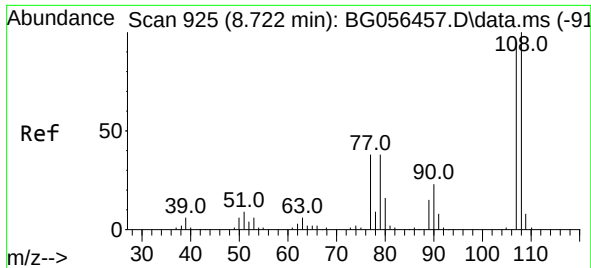
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.854 ng
RT: 8.793 min Scan# 937
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

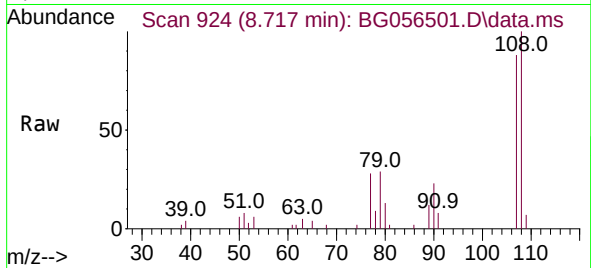
Tgt Ion: 45 Resp: 3227
Ion Ratio Lower Upper
45 100
77 64.0 62.1 102.1
79 63.8 42.7 82.7





#17
2-Methylphenol
Concen: 6.831 ng
RT: 8.717 min Scan# 91
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

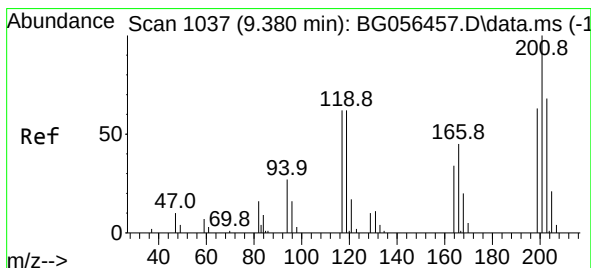
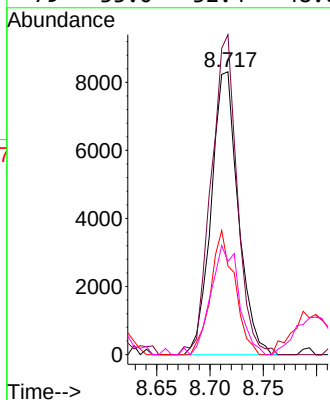
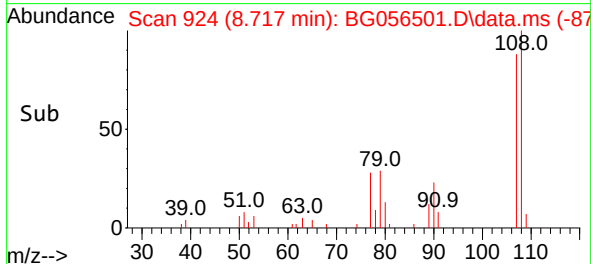
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



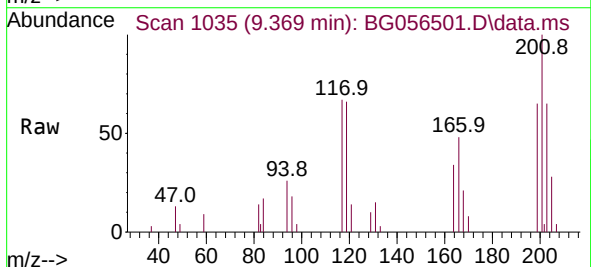
Tgt Ion:107 Resp: 14660
Ion Ratio Lower Upper
107 100
108 113.2 83.9 125.9
77 31.3 31.6 47.4
79 33.0 32.4 48.6

Manual Integrations
APPROVED

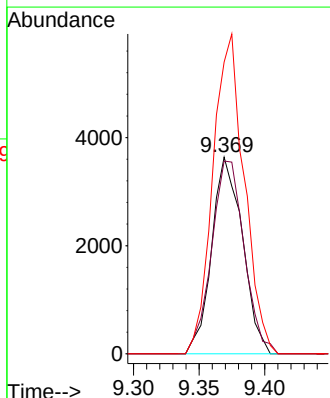
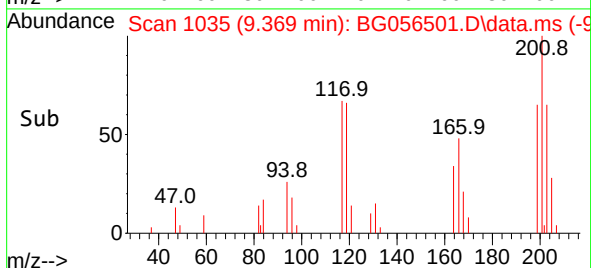
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

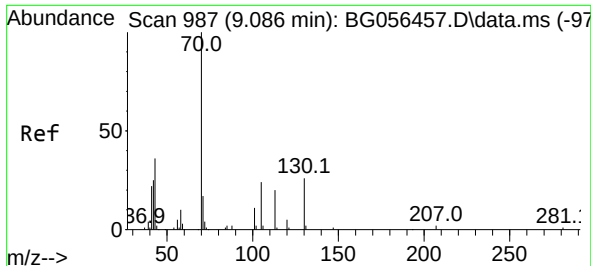


#18
Hexachloroethane
Concen: 8.179 ng
RT: 9.369 min Scan# 1035
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



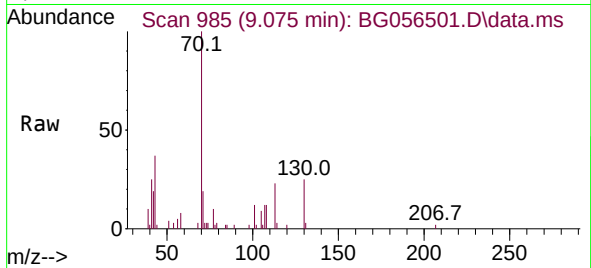
Tgt Ion:117 Resp: 5936
Ion Ratio Lower Upper
117 100
119 98.0 79.4 119.0
201 154.9 128.5 192.7





#19
n-Nitroso-di-n-propylamine
Concen: 7.476 ng
RT: 9.075 min Scan# 985
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

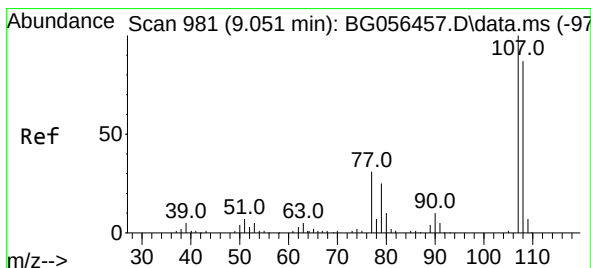
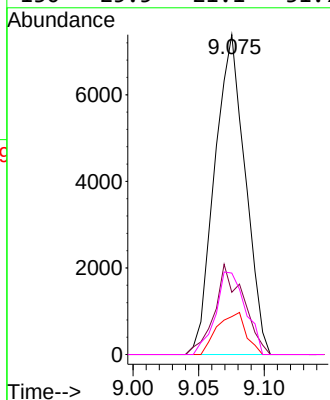
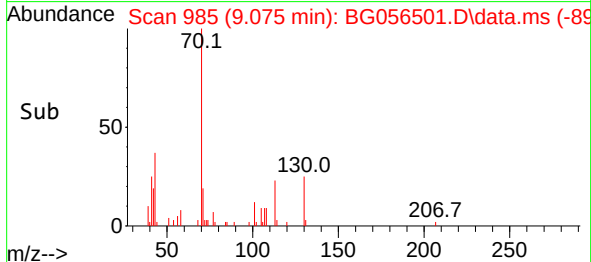
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



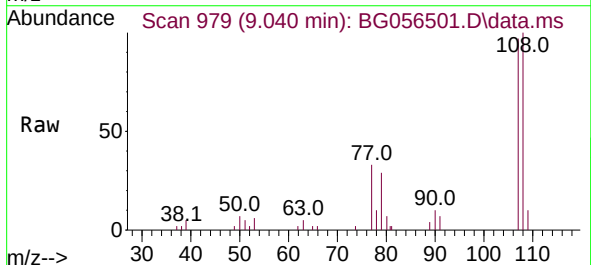
Tgt Ion: 70 Resp: 11958
Ion Ratio Lower Upper
70 100
42 19.5 20.2 30.4
101 11.9 9.1 13.7
130 25.5 21.1 31.7

Manual Integrations
APPROVED

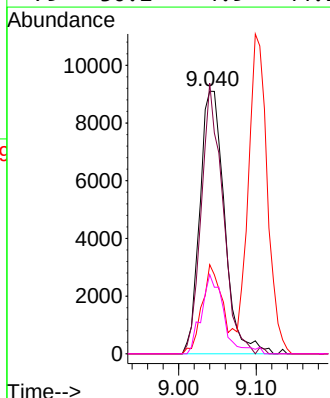
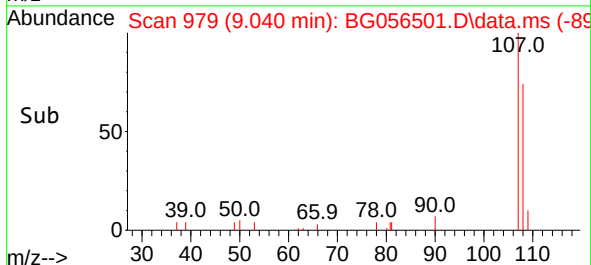
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

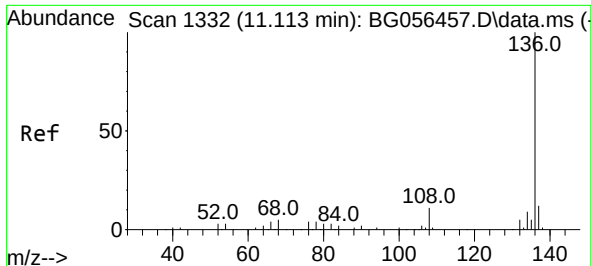


#20
3+4-Methylphenols
Concen: 6.696 ng
RT: 9.040 min Scan# 979
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



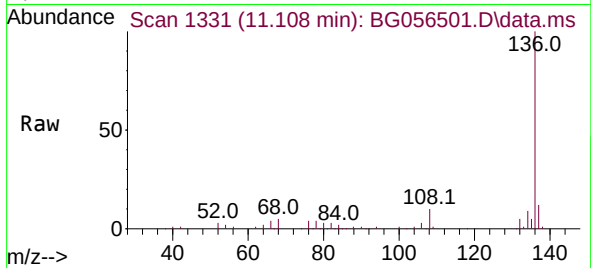
Tgt Ion:107 Resp: 20140
Ion Ratio Lower Upper
107 100
108 103.1 66.7 106.7
77 33.9 10.6 50.6
79 30.2 4.9 44.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.108 min Scan# 1331
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

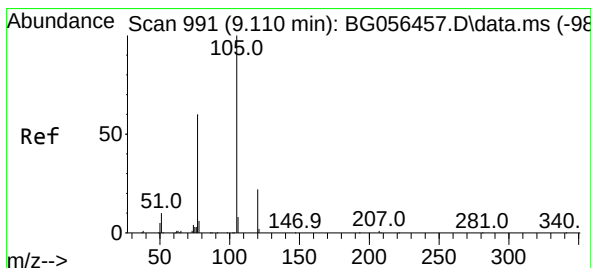
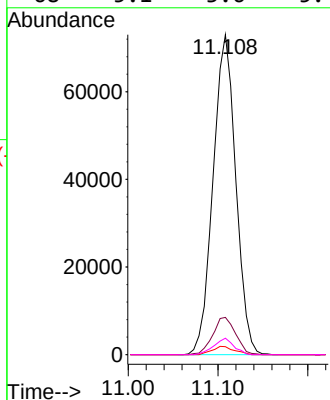
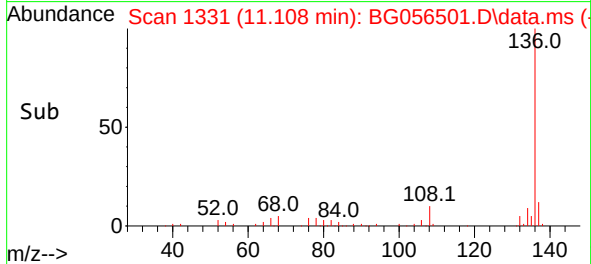
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:136 Resp: 128407
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.0
54 2.5 2.2 3.4
68 5.1 3.6 5.4

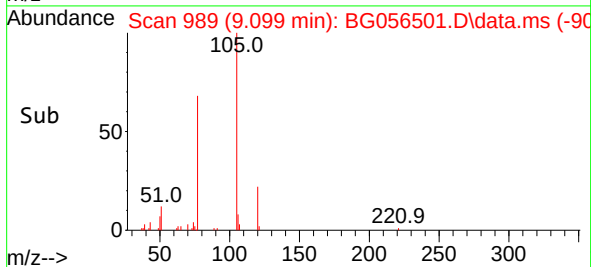
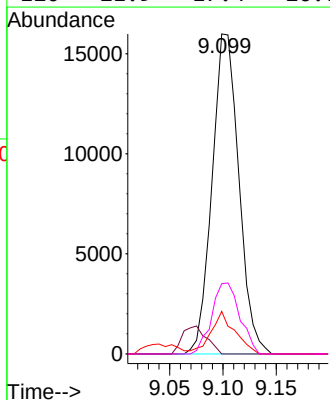
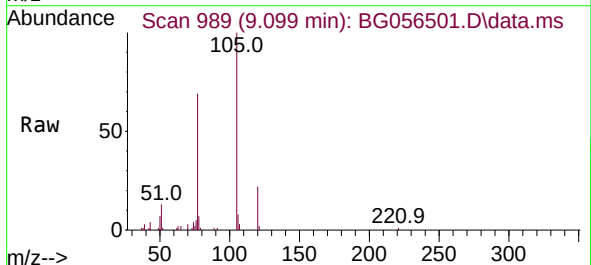
Manual Integrations
APPROVED

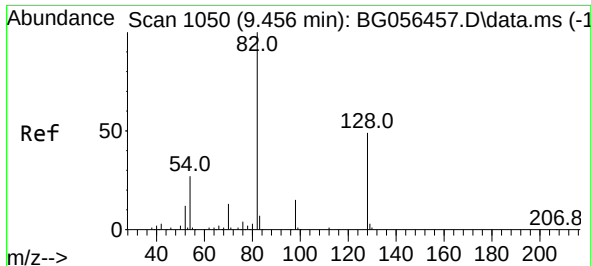
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#22
Acetophenone
Concen: 8.205 ng
RT: 9.099 min Scan# 989
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

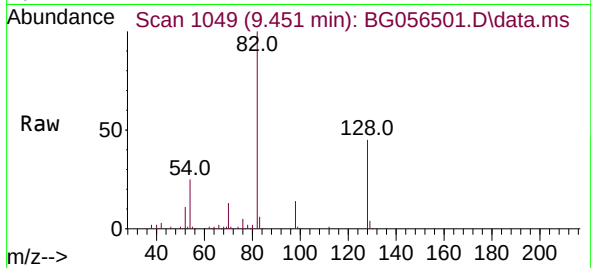
Tgt Ion:105 Resp: 27994
Ion Ratio Lower Upper
105 100
71 0.0 0.6 0.8#
51 13.3 9.2 13.8
120 21.9 17.4 26.0





#23
Nitrobenzene-d5
Concen: 82.920 ng
RT: 9.451 min Scan# 1049
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

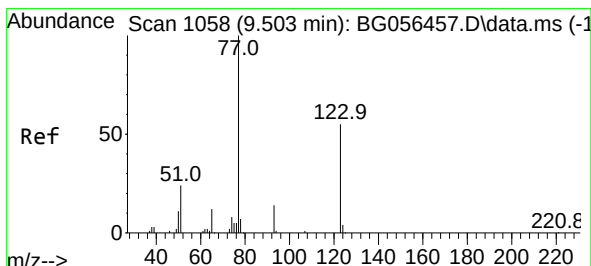
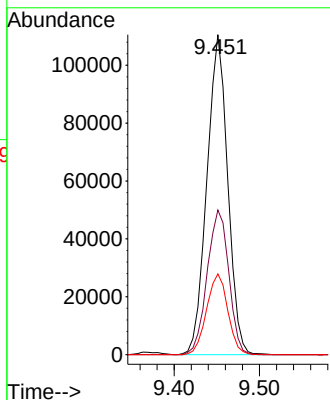
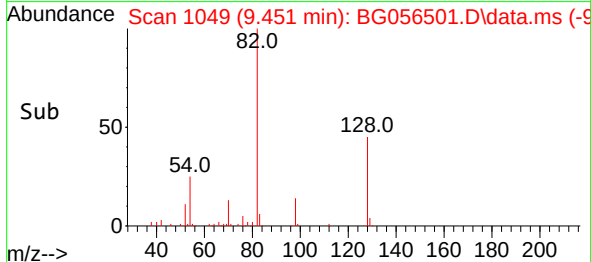
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 82 Resp: 187505
Ion Ratio Lower Upper
82 100
128 45.2 39.4 59.2
54 25.2 21.4 32.2

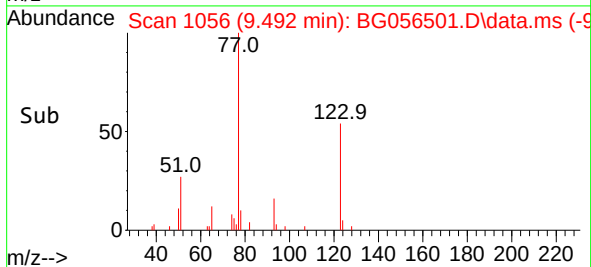
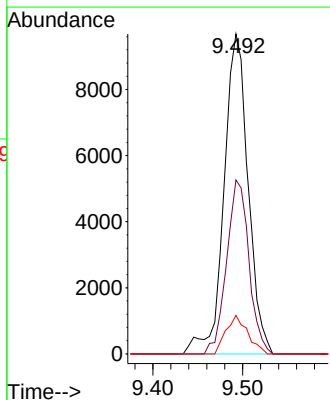
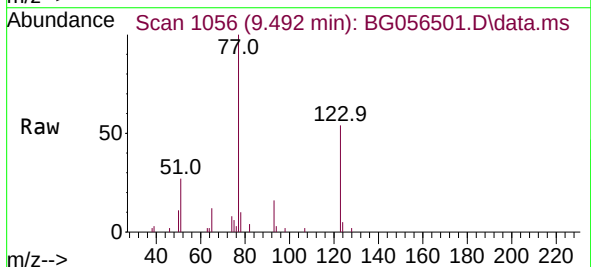
Manual Integrations
APPROVED

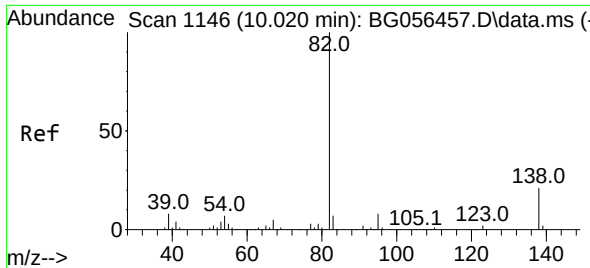
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#24
Nitrobenzene
Concen: 8.313 ng
RT: 9.492 min Scan# 1056
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion: 77 Resp: 18133
Ion Ratio Lower Upper
77 100
123 54.4 44.0 66.0
65 12.0 9.7 14.5





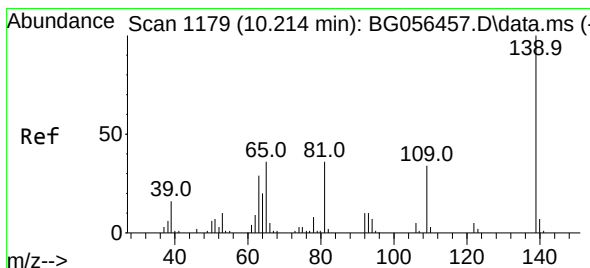
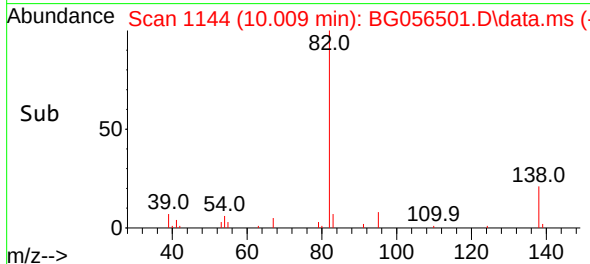
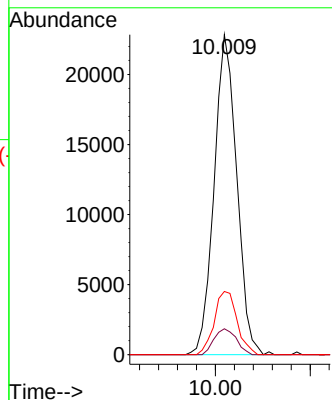
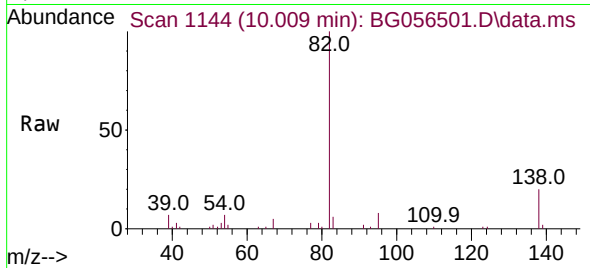
#25
Isophorone
Concen: 8.113 ng
RT: 10.009 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion: 82 Resp: 37849
Ion Ratio Lower Upper
82 100
95 8.1 6.3 9.5
138 19.7 16.6 25.0

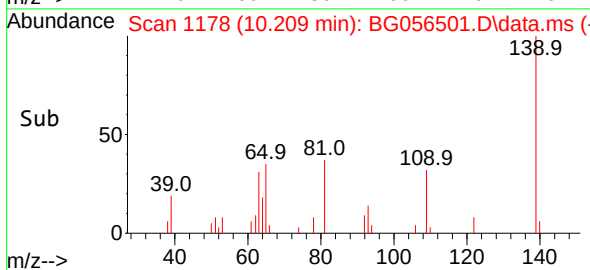
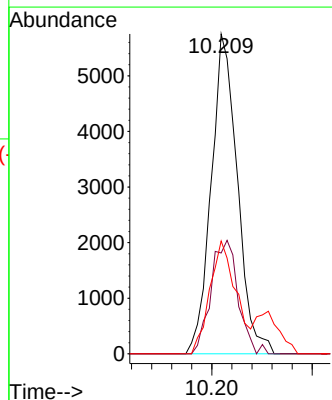
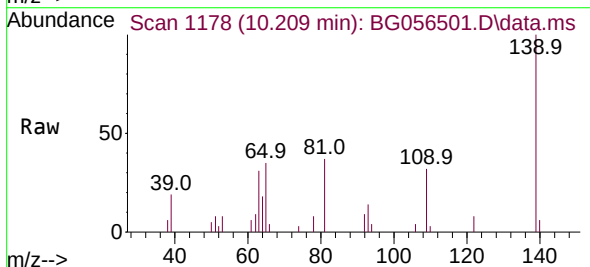
Manual Integrations
APPROVED

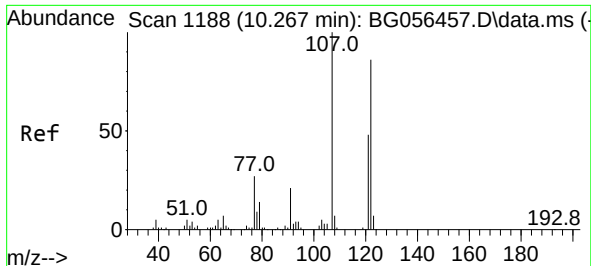
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#26
2-Nitrophenol
Concen: 7.874 ng
RT: 10.209 min Scan# 1178
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:139 Resp: 10421
Ion Ratio Lower Upper
139 100
109 31.5 26.9 40.3
65 35.3 29.0 43.4





#27

2,4-Dimethylphenol

Concen: 7.228 ng

RT: 10.256 min Scan# 1186

Delta R.T. 0.001 min

Lab File: BG056501.D

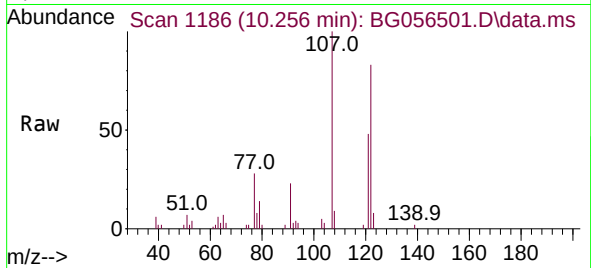
Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022



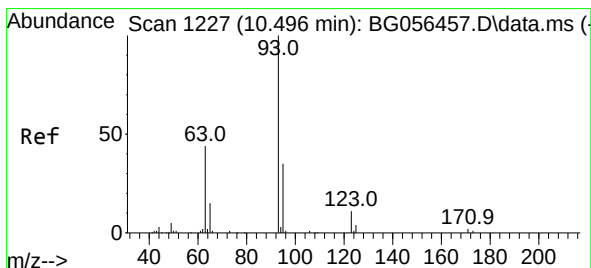
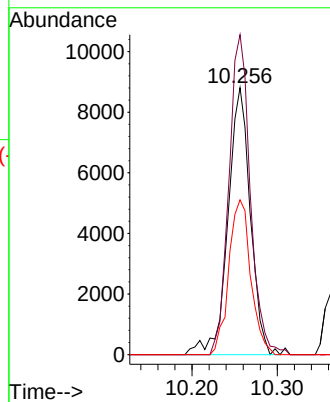
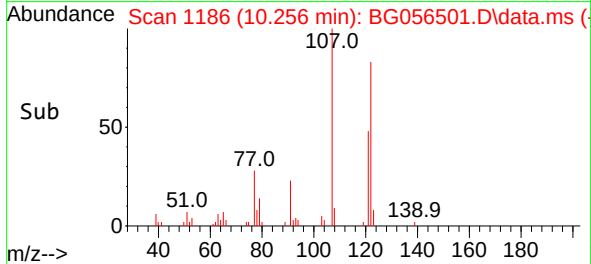
Tgt Ion:	122	Resp:	16008
Ion Ratio	Lower	Upper	
122	100		
107	119.9	92.9	139.3
121	58.0	45.0	67.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/02/2023



#28

bis(2-Chloroethoxy)methane

Concen: 8.109 ng

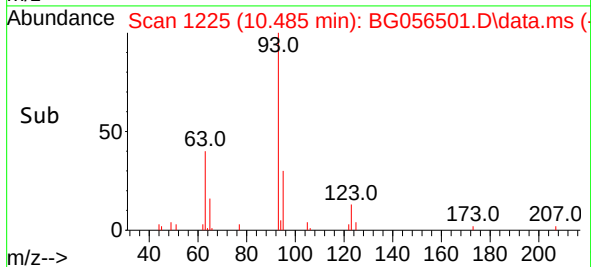
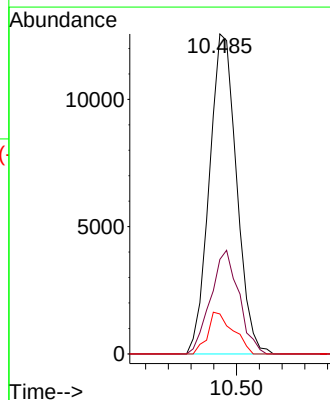
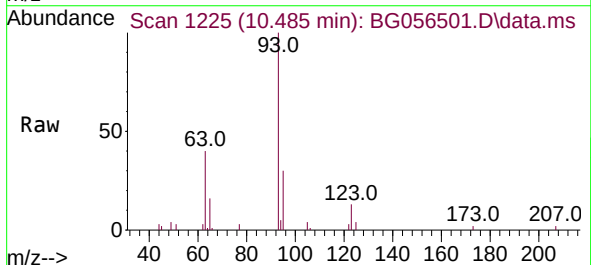
RT: 10.485 min Scan# 1225

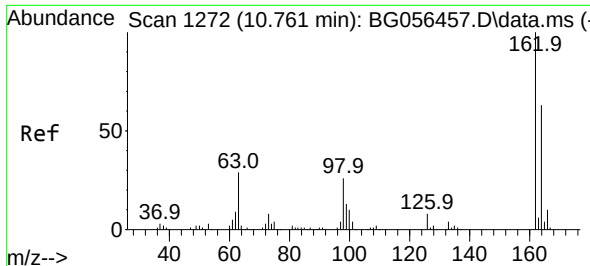
Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Tgt Ion:	93	Resp:	20897
Ion Ratio	Lower	Upper	
93	100		
95	29.5	27.9	41.9
123	12.5	8.6	12.8





#29

2,4-Dichlorophenol

Concen: 7.907 ng

RT: 10.750 min Scan# 1272

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion:162 Resp: 19712

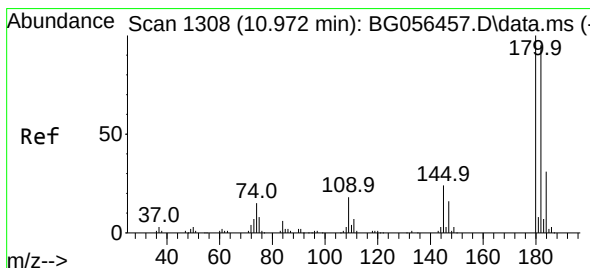
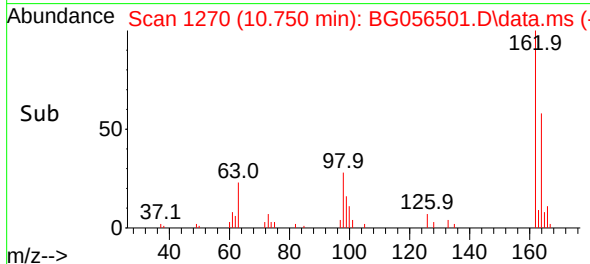
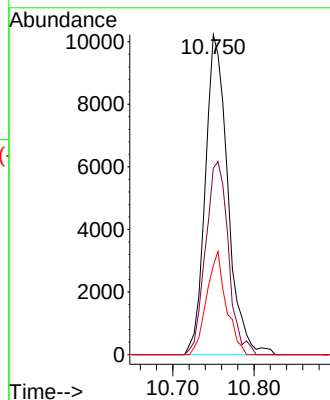
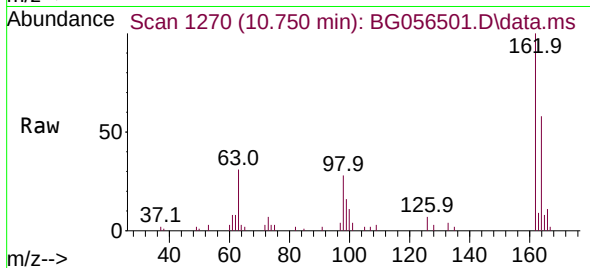
Ion	Ratio	Lower	Upper
162	100		
164	58.3	42.8	82.8
98	27.8	6.5	46.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/02/2023



#30

1,2,4-Trichlorobenzene

Concen: 8.382 ng

RT: 10.967 min Scan# 1307

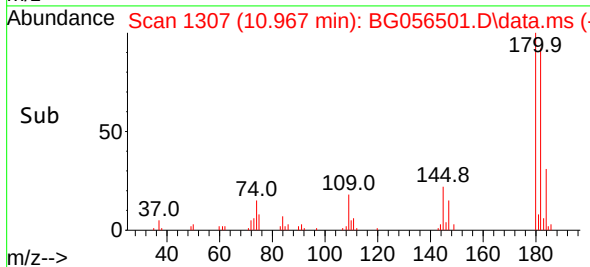
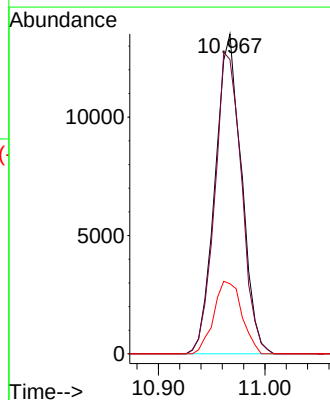
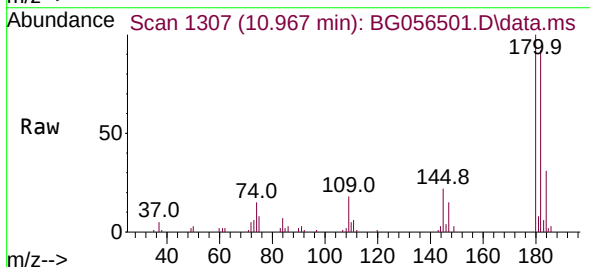
Delta R.T. 0.001 min

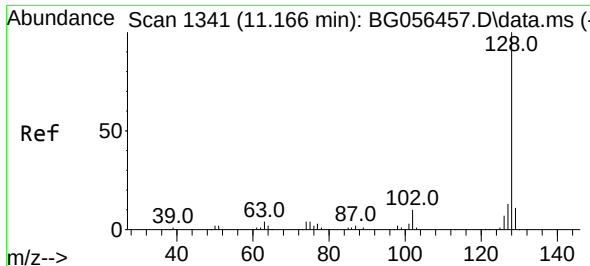
Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Tgt Ion:180 Resp: 23222

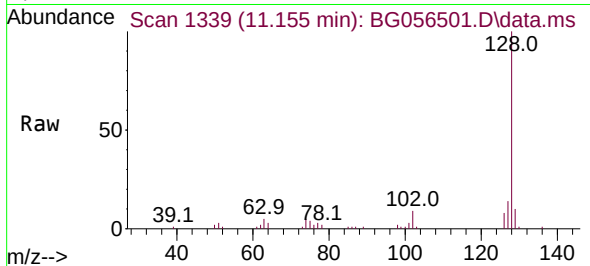
Ion	Ratio	Lower	Upper
180	100		
182	92.0	75.9	113.9
145	21.9	19.4	29.0





#31
Naphthalene
Concen: 8.000 ng
RT: 11.155 min Scan# 1341
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

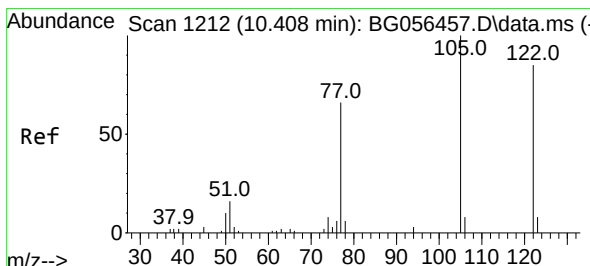
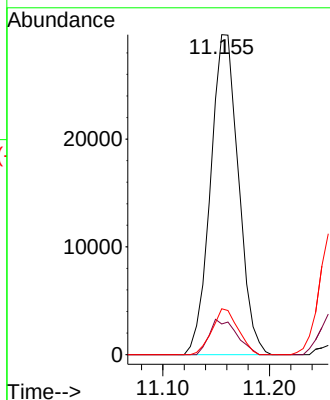
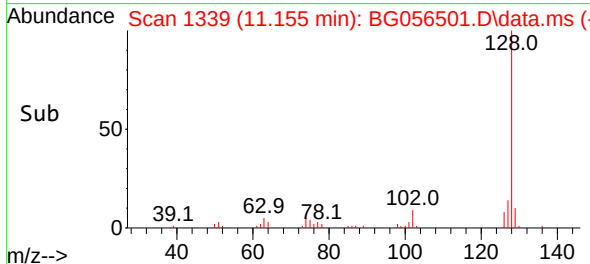
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



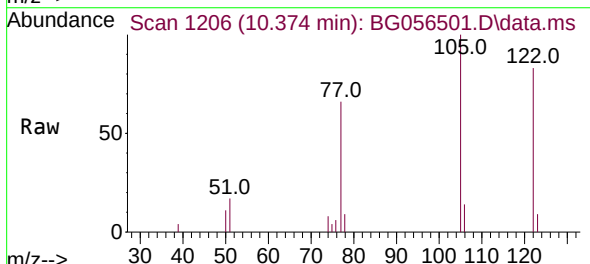
Tgt Ion:128 Resp: 54216
Ion Ratio Lower Upper
128 100
129 9.6 8.7 13.1
127 14.3 10.4 15.6

Manual Integrations
APPROVED

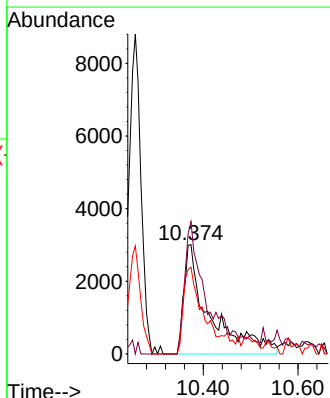
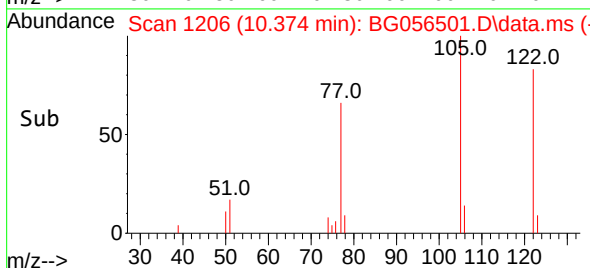
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

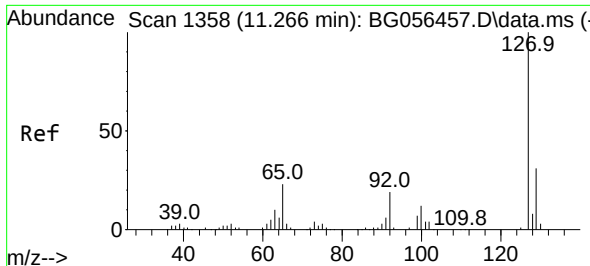


#32
Benzoic acid
Concen: 9.162 ng m
RT: 10.374 min Scan# 1206
Delta R.T. -0.029 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



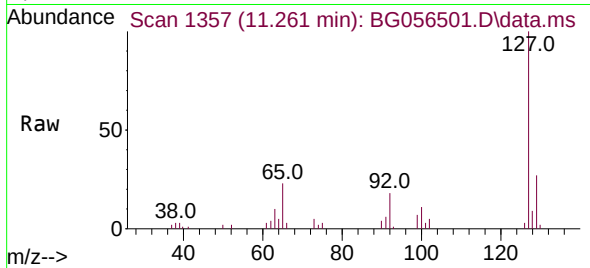
Tgt Ion:122 Resp: 11353
Ion Ratio Lower Upper
122 100
105 121.1 96.5 136.5
77 79.4 57.3 97.3





#33
4-Chloroaniline
Concen: 7.872 ng
RT: 11.261 min Scan# 1357
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

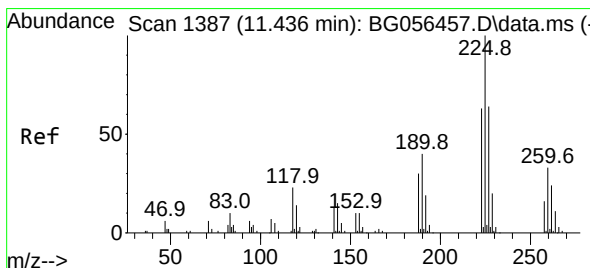
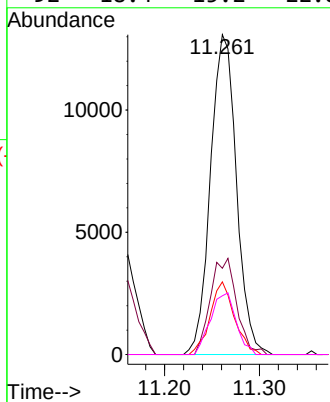
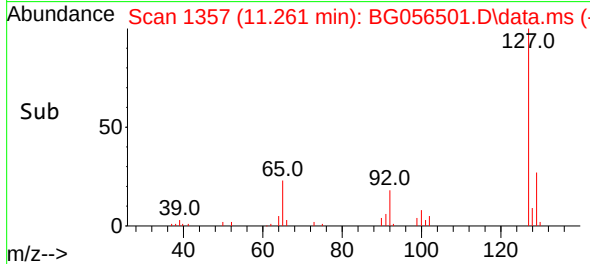
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



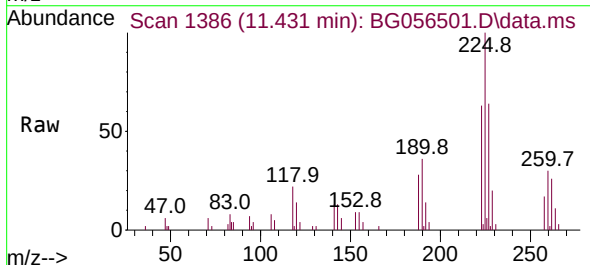
Tgt Ion:127 Resp: 24905
Ion Ratio Lower Upper
127 100
129 27.0 25.0 37.6
65 22.7 18.5 27.7
92 18.4 15.2 22.8

Manual Integrations
APPROVED

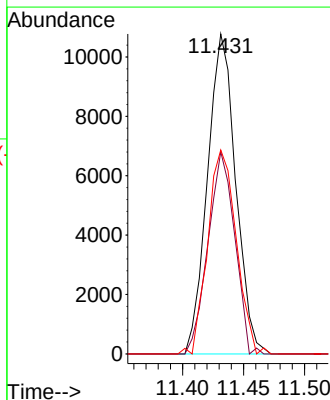
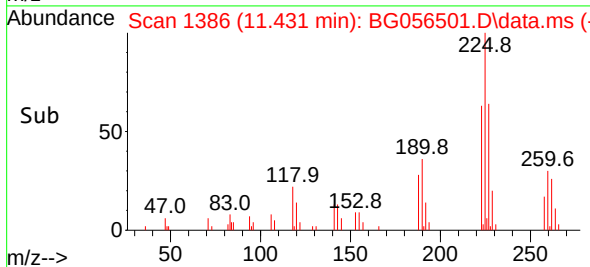
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

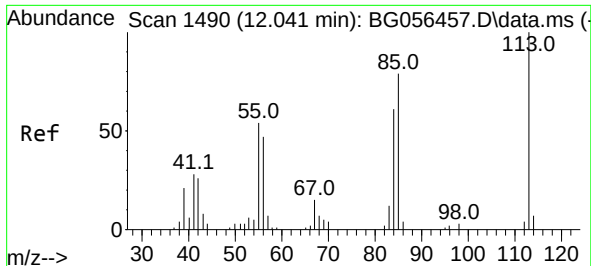


#34
Hexachlorobutadiene
Concen: 8.933 ng
RT: 11.431 min Scan# 1386
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



Tgt Ion:225 Resp: 17372
Ion Ratio Lower Upper
225 100
223 66.6 50.6 75.8
227 66.1 53.7 80.5





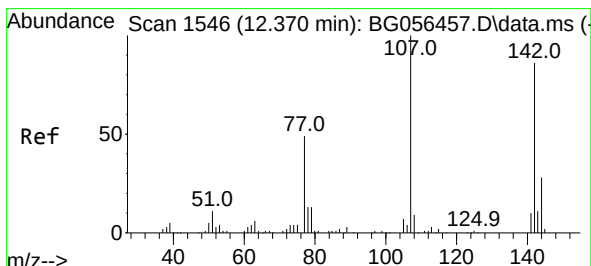
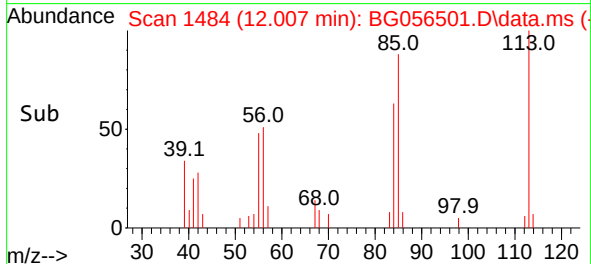
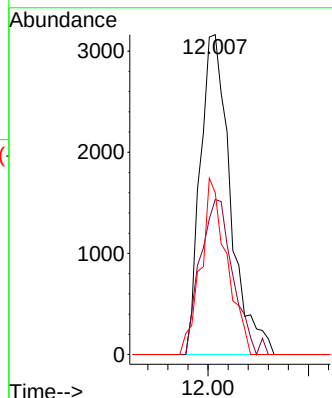
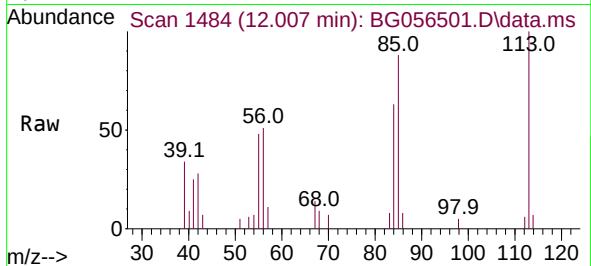
#35
Caprolactam
Concen: 7.826 ng
RT: 12.007 min Scan# 1490
Delta R.T. -0.023 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:113 Resp: 6580
Ion Ratio Lower Upper
113 100
55 48.5 33.7 73.7
56 50.6 27.1 67.1

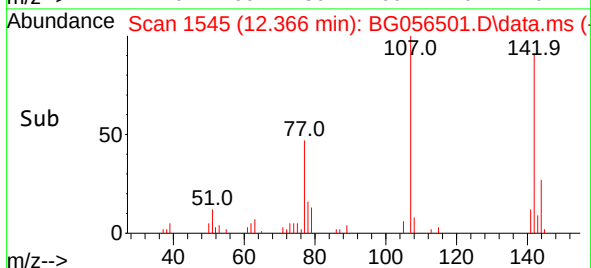
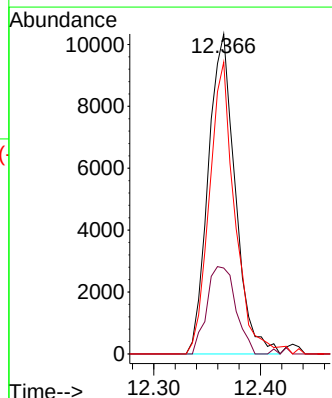
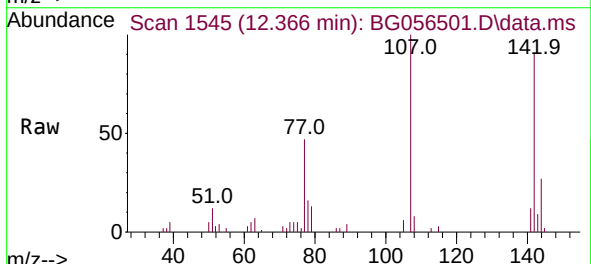
Manual Integrations
APPROVED

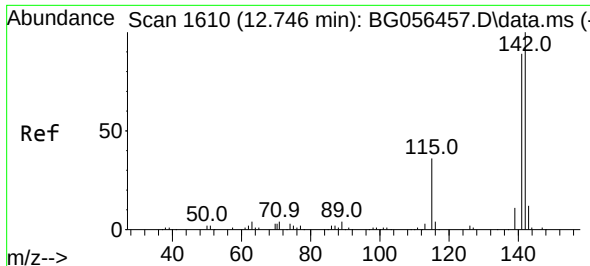
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#36
4-Chloro-3-methylphenol
Concen: 7.537 ng
RT: 12.366 min Scan# 1545
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:107 Resp: 18147
Ion Ratio Lower Upper
107 100
144 26.9 22.3 33.5
142 91.2 68.9 103.3





#37

2-Methylnaphthalene

Concen: 7.928 ng

RT: 12.742 min Scan# 1609

Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

Instrument :

BNA_G

ClientSampleId :

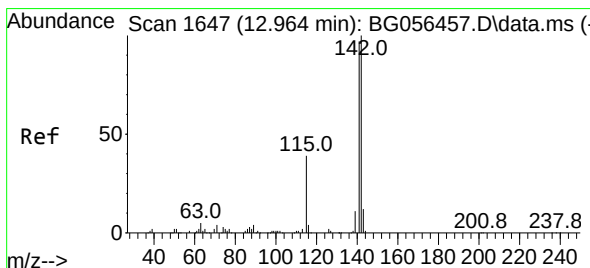
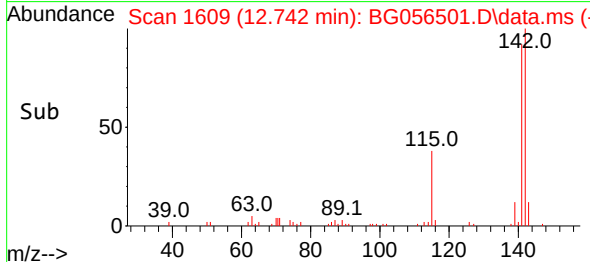
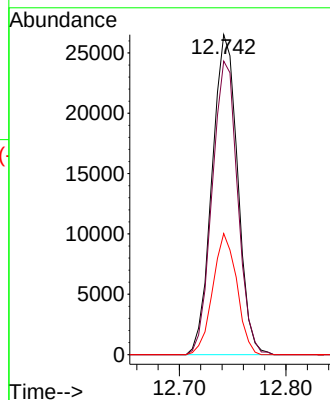
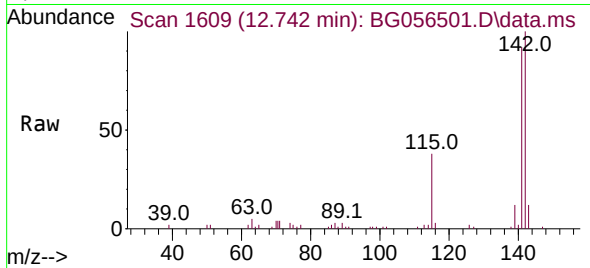
MDL-SOIL-03-QT3-2022

Tgt Ion:	142	Resp:	4429
Ion Ratio	Lower	Upper	
142	100		
141	91.7	71.4	107.0
115	37.8	28.4	42.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#38

1-Methylnaphthalene

Concen: 8.126 ng

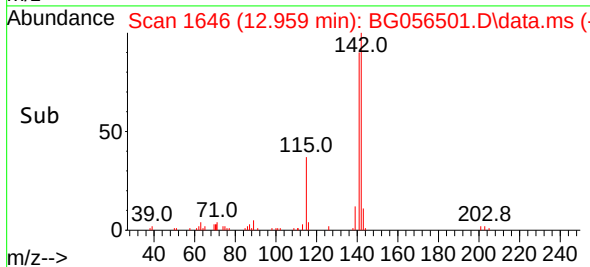
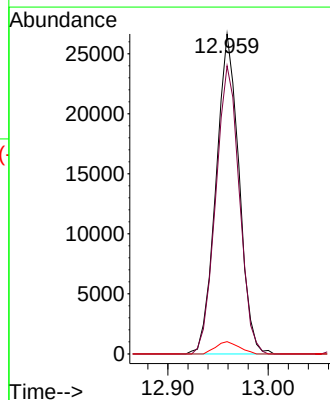
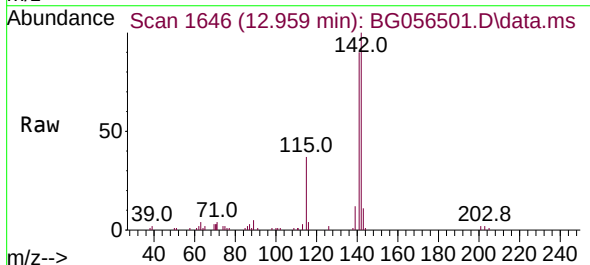
RT: 12.959 min Scan# 1646

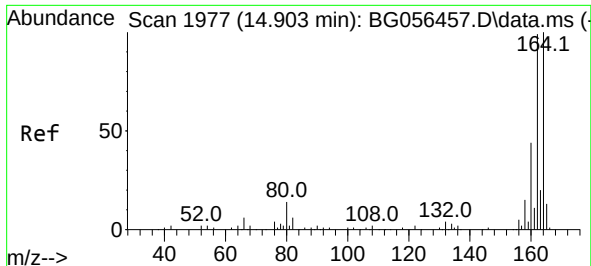
Delta R.T. -0.005 min

Lab File: BG056501.D

Acq: 1 Feb 2023 15:34

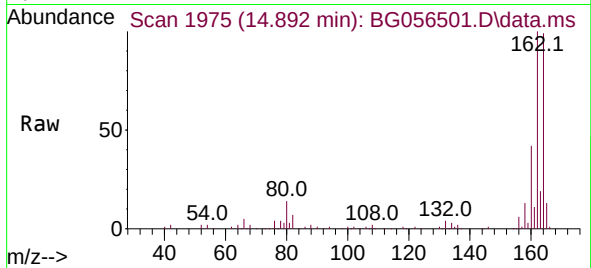
Tgt Ion:	142	Resp:	42405
Ion Ratio	Lower	Upper	
142	100		
141	90.0	77.7	116.5
116	3.8	3.4	5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.892 min Scan# 1977
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

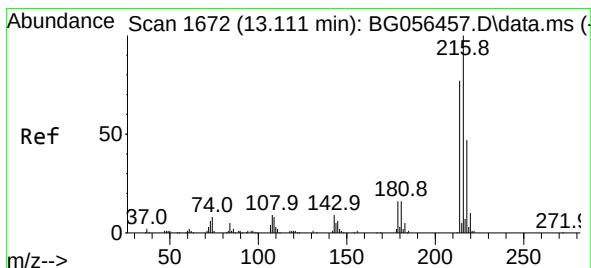
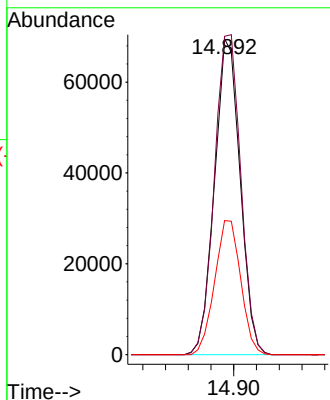
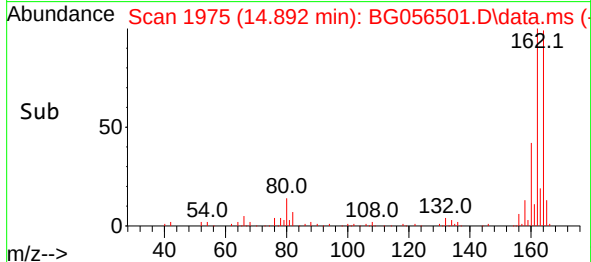
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



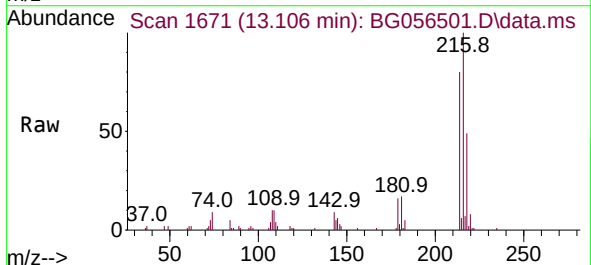
Tgt Ion:164 Resp: 108535
Ion Ratio Lower Upper
164 100
162 100.8 79.6 119.4
160 42.4 34.9 52.3

Manual Integrations
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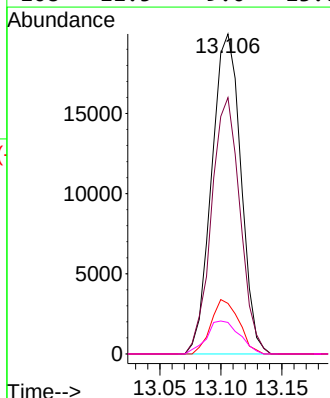
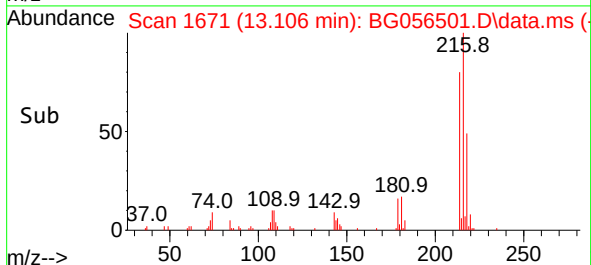
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

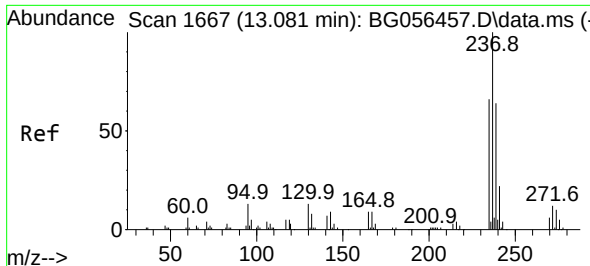


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.375 ng
RT: 13.106 min Scan# 1671
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



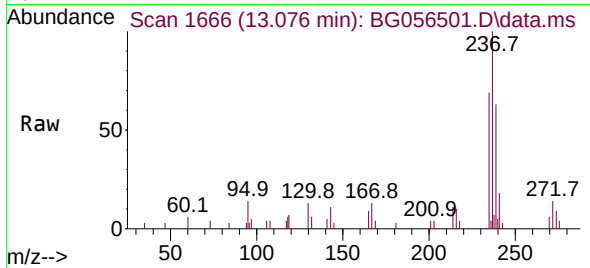
Tgt Ion:216 Resp: 33209
Ion Ratio Lower Upper
216 100
214 78.6 63.0 94.6
179 16.2 14.1 21.1
108 11.5 9.0 13.6





#41
Hexachlorocyclopentadiene
Concen: 10.447 ng
RT: 13.076 min Scan# 1666
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

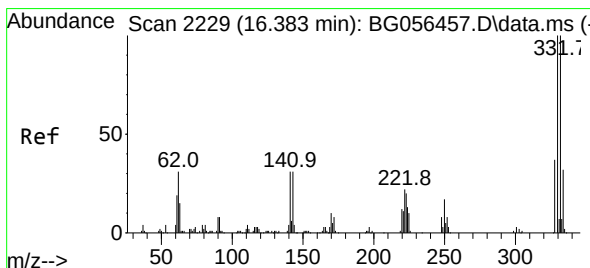
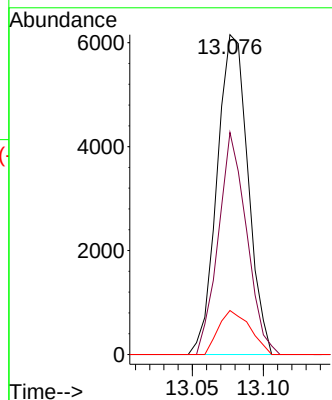
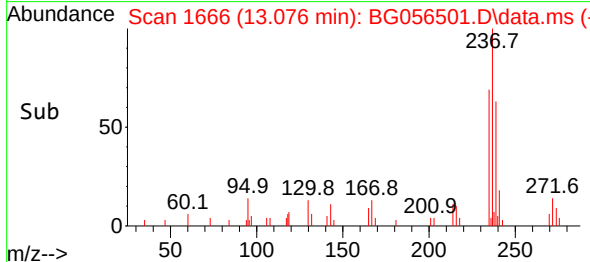
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:237 Resp: 9308
Ion Ratio Lower Upper
237 100
235 69.4 45.6 85.6
272 13.8 0.0 32.3

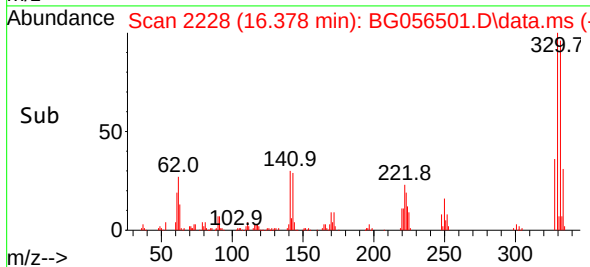
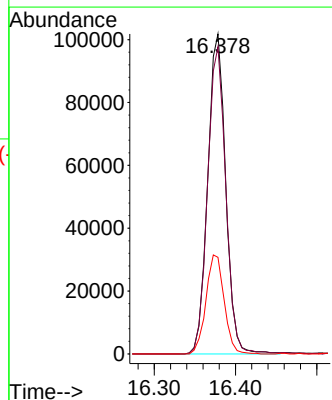
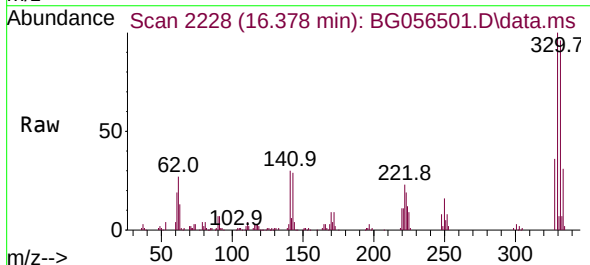
Manual Integrations
APPROVED

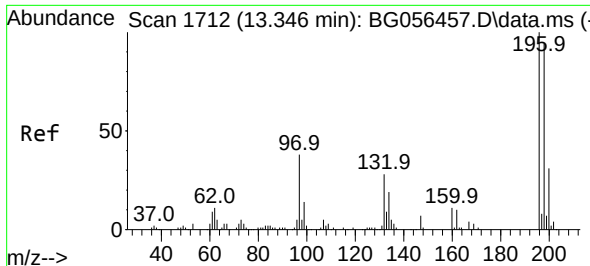
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#42
2,4,6-Tribromophenol
Concen: 108.623 ng
RT: 16.378 min Scan# 2228
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:330 Resp: 156733
Ion Ratio Lower Upper
330 100
332 97.1 79.0 118.6
141 31.3 24.2 36.4





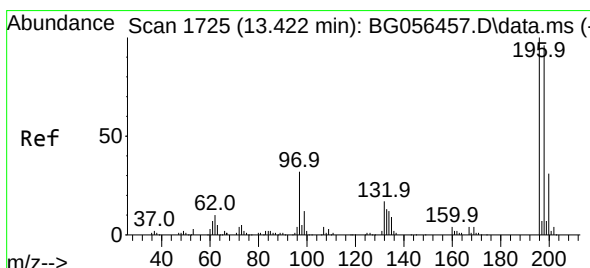
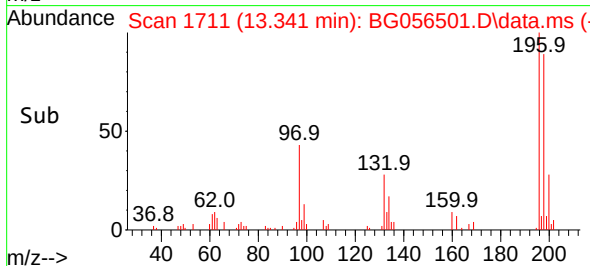
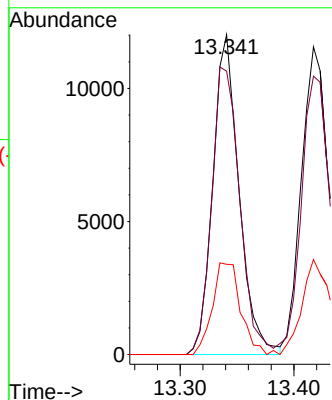
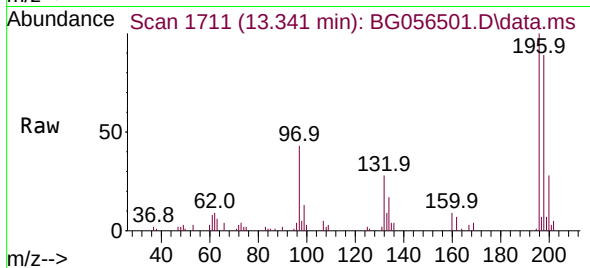
#43
2,4,6-Trichlorophenol
Concen: 7.520 ng
RT: 13.341 min Scan# 1711
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:196 Resp: 19215
Ion Ratio Lower Upper
196 100
198 88.6 75.4 113.0
200 28.2 25.0 37.6

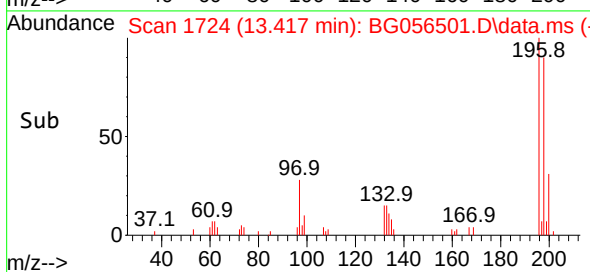
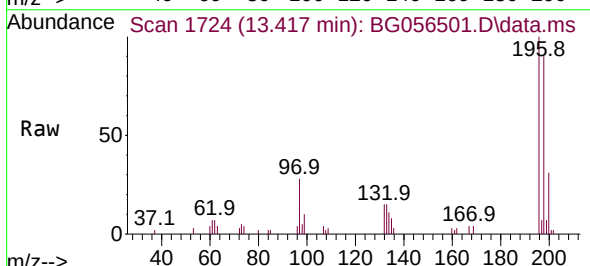
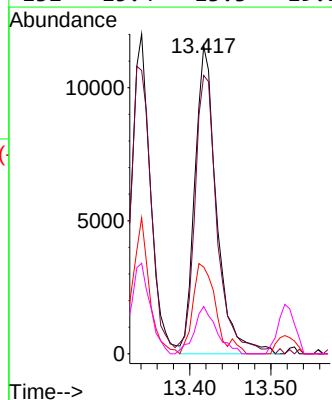
Manual Integrations
APPROVED

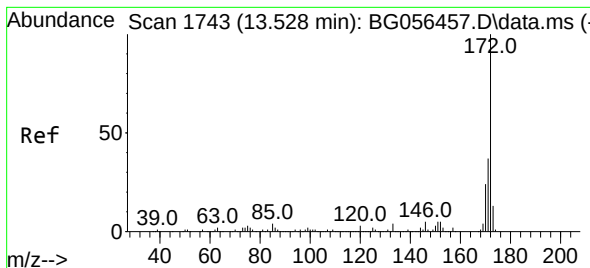
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#44
2,4,5-Trichlorophenol
Concen: 7.202 ng
RT: 13.417 min Scan# 1724
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

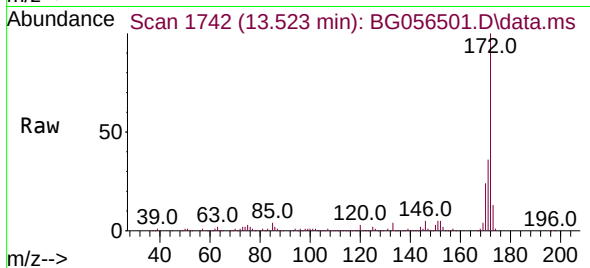
Tgt Ion:196 Resp: 21546
Ion Ratio Lower Upper
196 100
198 90.5 76.9 115.3
97 28.2 25.8 38.6
132 15.4 13.3 19.9





#45
2-Fluorobiphenyl
Concen: 83.264 ng
RT: 13.523 min Scan# 1742
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

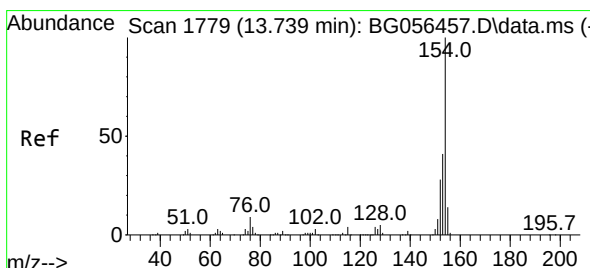
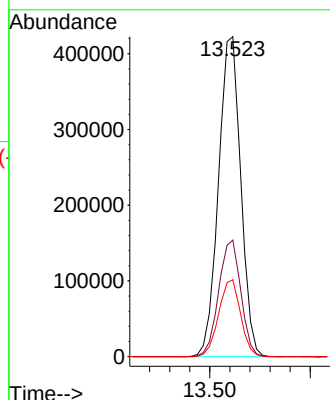
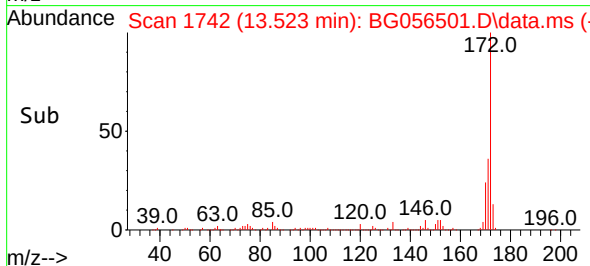
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



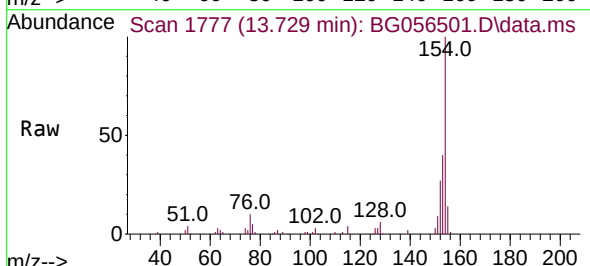
Tgt Ion:172 Resp: 65182
Ion Ratio Lower Upper
172 100
171 36.4 29.5 44.3
170 24.0 19.2 28.8

Manual Integrations
APPROVED

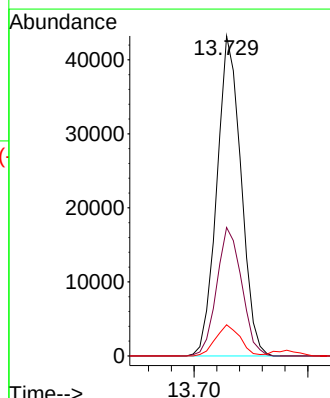
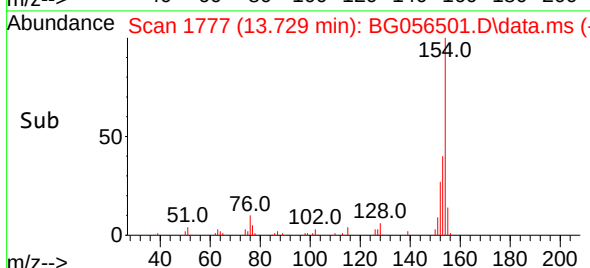
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

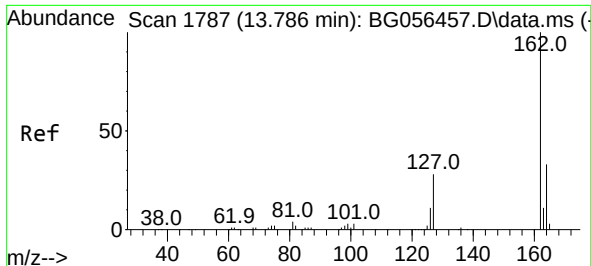


#46
1,1'-Biphenyl
Concen: 8.106 ng
RT: 13.729 min Scan# 1777
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



Tgt Ion:154 Resp: 63810
Ion Ratio Lower Upper
154 100
153 40.1 21.5 61.5
76 9.7 0.0 28.8





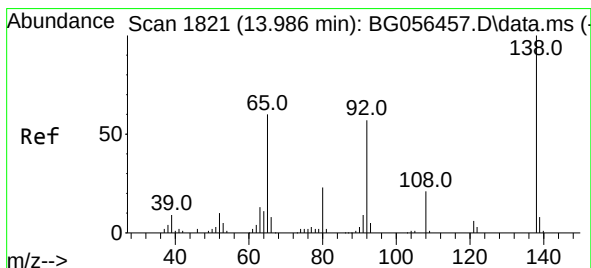
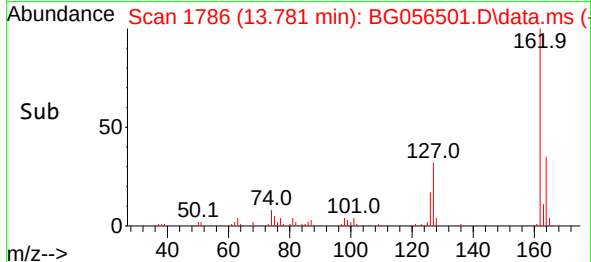
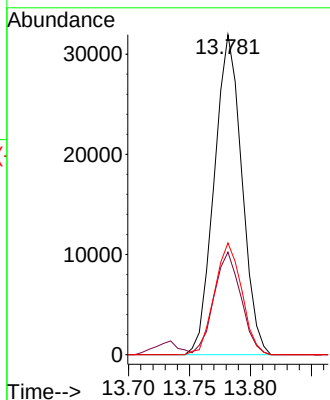
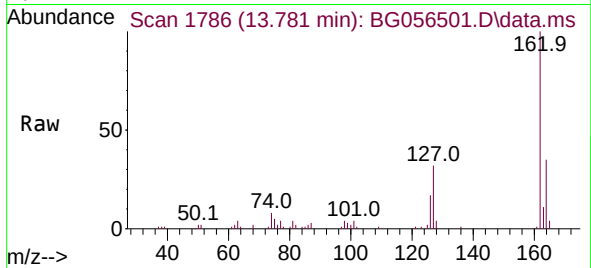
#47
2-Chloronaphthalene
Concen: 8.178 ng
RT: 13.781 min Scan# 1787
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT3-2022

Tgt Ion:162 Resp: 50321
Ion Ratio Lower Upper
162 100
127 32.0 25.2 37.8
164 34.9 26.2 39.2

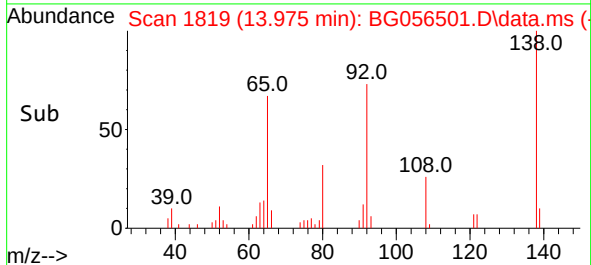
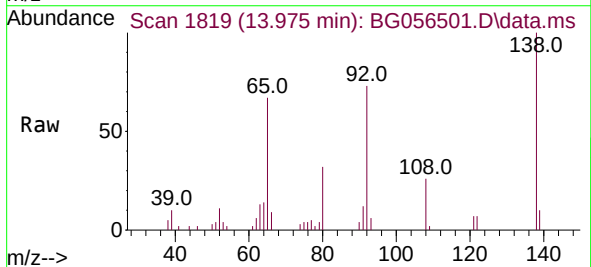
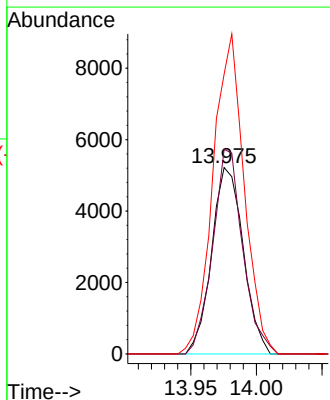
Manual Integrations
APPROVED

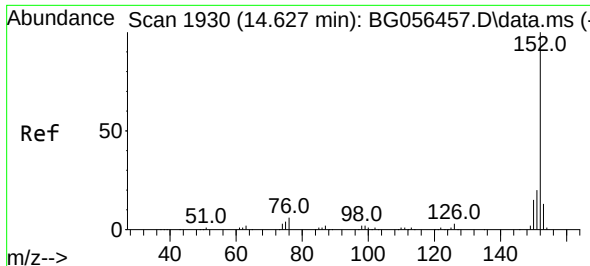
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#48
2-Nitroaniline
Concen: 6.898 ng
RT: 13.975 min Scan# 1819
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

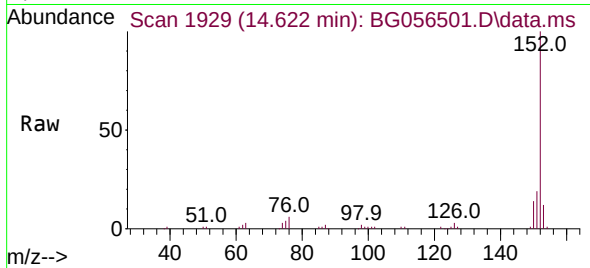
Tgt Ion: 65 Resp: 8774
Ion Ratio Lower Upper
65 100
92 109.9 75.8 113.6
138 150.2 133.2 199.8





#49
Acenaphthylene
Concen: 7.952 ng
RT: 14.622 min Scan# 1930
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

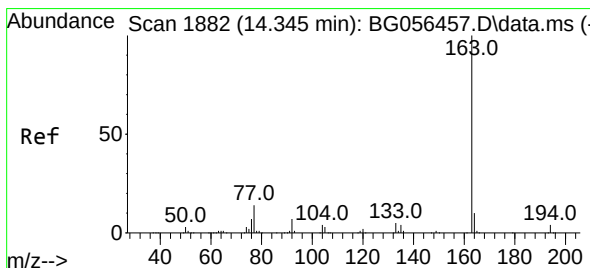
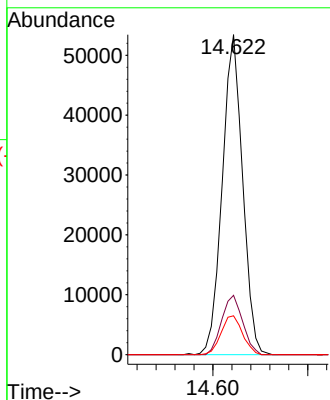
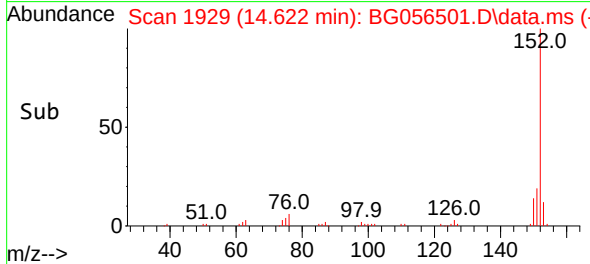
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT3-2022



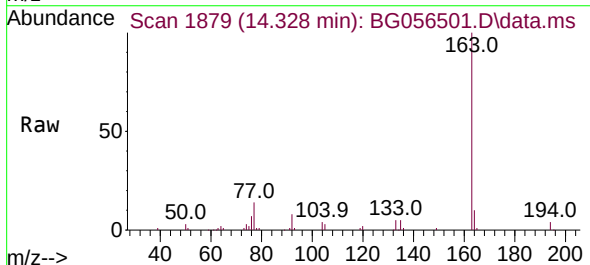
Tgt Ion:152 Resp: 79607
Ion Ratio Lower Upper
152 100
151 18.5 15.9 23.9
153 12.1 10.5 15.7

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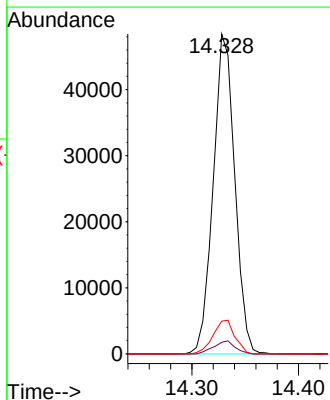
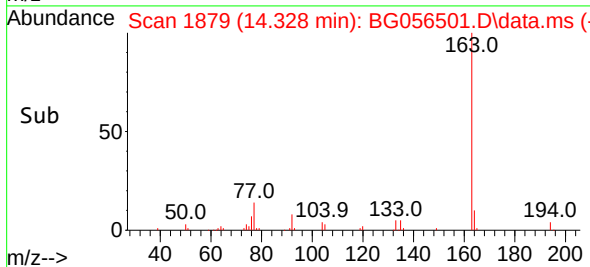
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

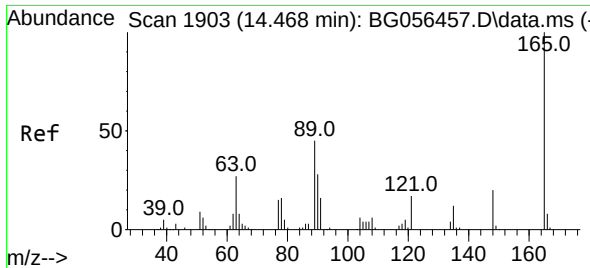


#50
Dimethylphthalate
Concen: 7.748 ng
RT: 14.328 min Scan# 1879
Delta R.T. -0.011 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



Tgt Ion:163 Resp: 68035
Ion Ratio Lower Upper
163 100
194 3.6 3.5 5.3
164 10.2 8.1 12.1





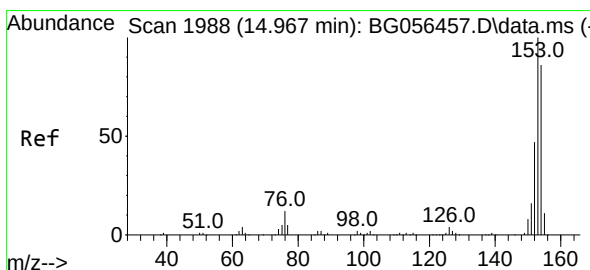
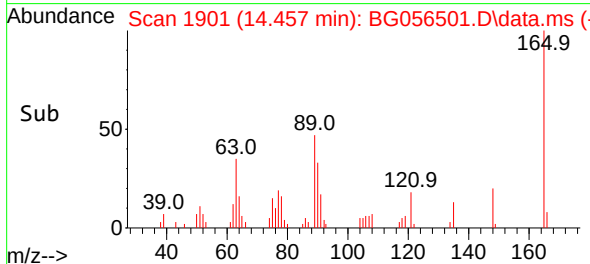
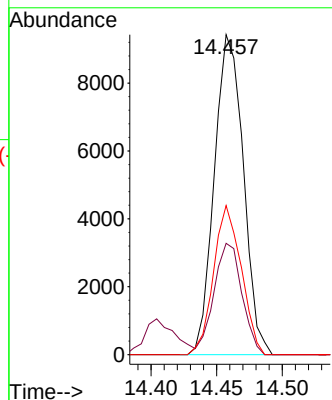
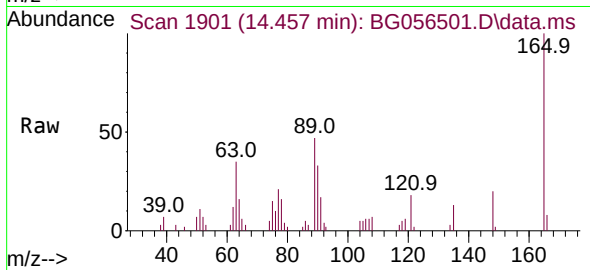
#51
2,6-Dinitrotoluene
Concen: 7.568 ng
RT: 14.457 min Scan# 1903
Delta R.T. -0.011 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:165 Resp: 14492
Ion Ratio Lower Upper
165 100
63 34.8 26.9 40.3
89 46.6 35.6 53.4

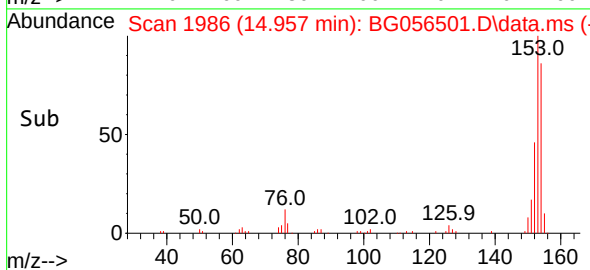
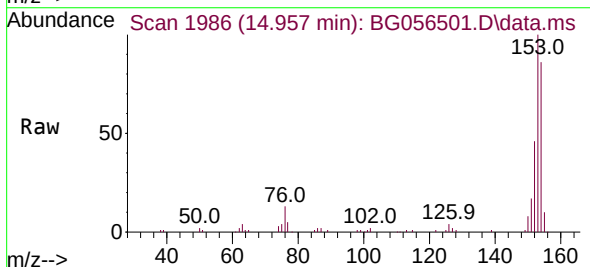
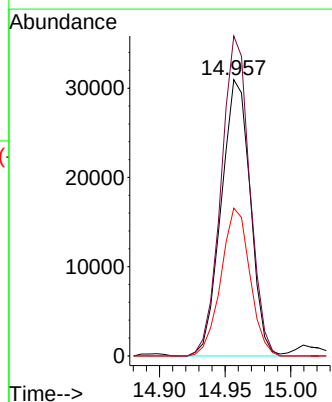
Manual Integrations
APPROVED

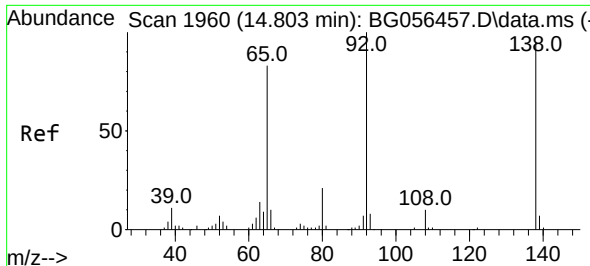
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#52
Acenaphthene
Concen: 8.025 ng
RT: 14.957 min Scan# 1986
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

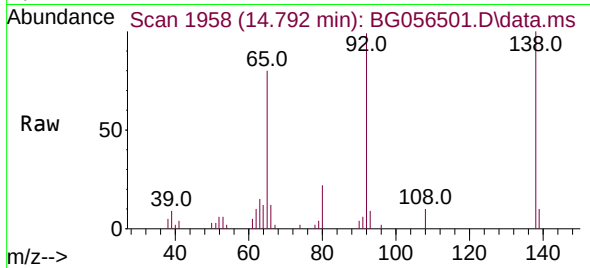
Tgt Ion:154 Resp: 47644
Ion Ratio Lower Upper
154 100
153 115.8 93.4 140.0
152 53.4 43.4 65.2





#53
3-Nitroaniline
Concen: 7.163 ng
RT: 14.792 min Scan# 1958
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

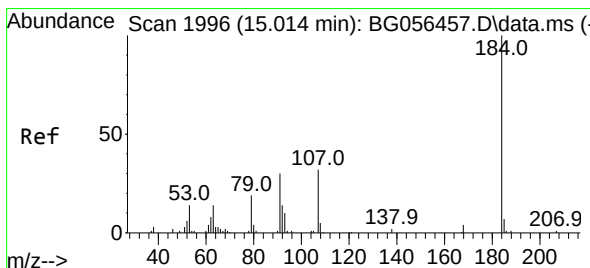
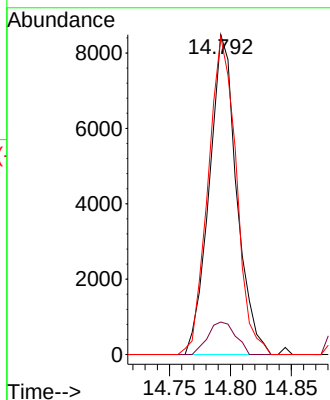
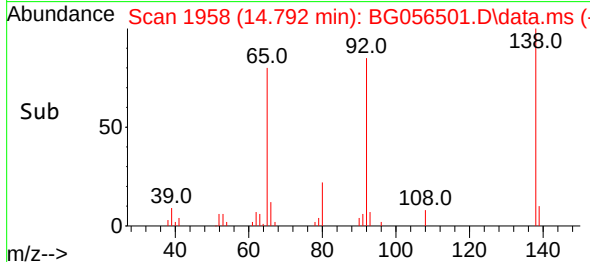
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



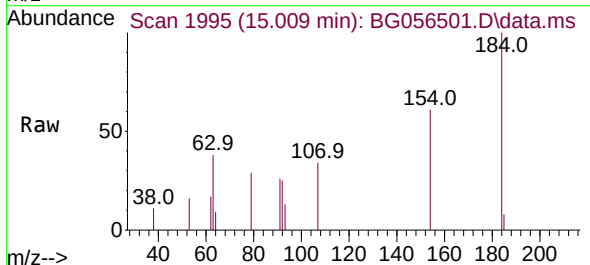
Tgt Ion:138 Resp: 13298
Ion Ratio Lower Upper
138 100
108 10.2 8.0 12.0
92 99.3 84.1 126.1

Manual Integrations
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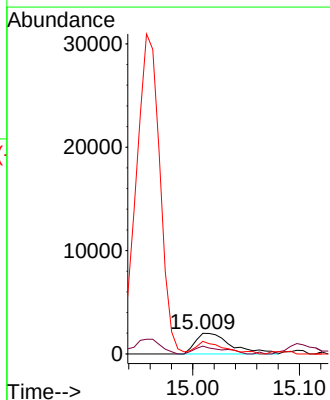
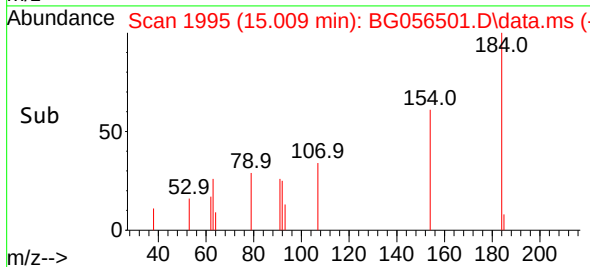
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

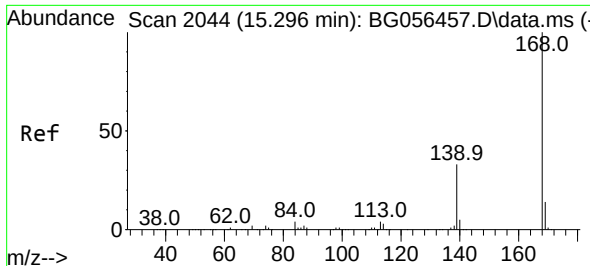


#54
2,4-Dinitrophenol
Concen: 3.850 ng
RT: 15.009 min Scan# 1995
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



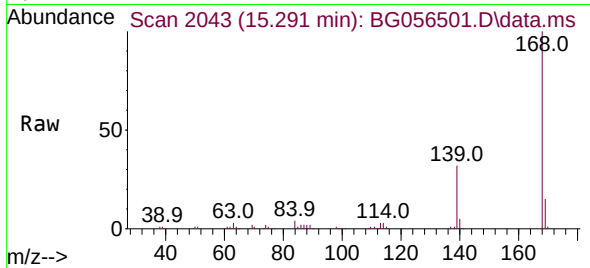
Tgt Ion:184 Resp: 4622
Ion Ratio Lower Upper
184 100
63 38.1 25.1 37.7#
154 61.0 44.8 67.2





#55
Dibenzofuran
Concen: 7.909 ng
RT: 15.291 min Scan# 2044
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

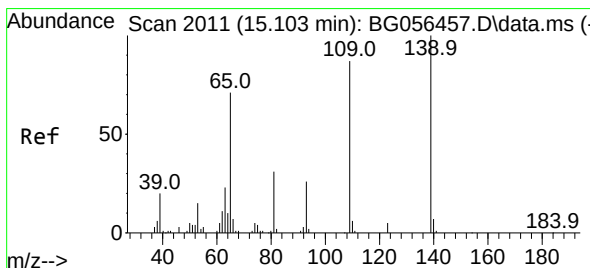
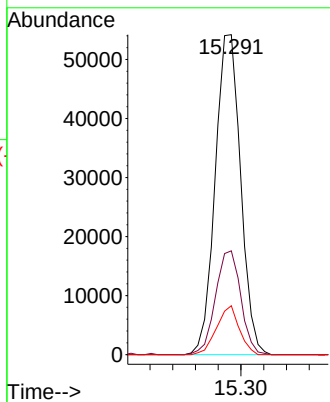
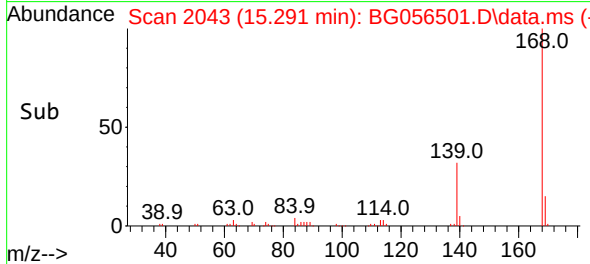
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:168 Resp: 84201
Ion Ratio Lower Upper
168 100
139 32.4 26.2 39.2
169 15.3 11.0 16.6

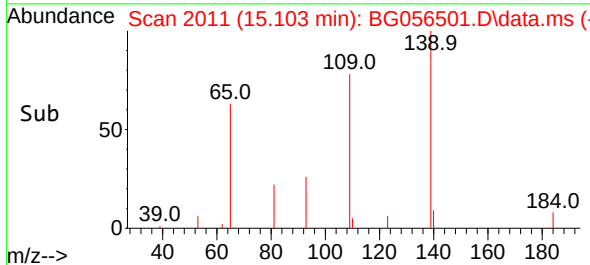
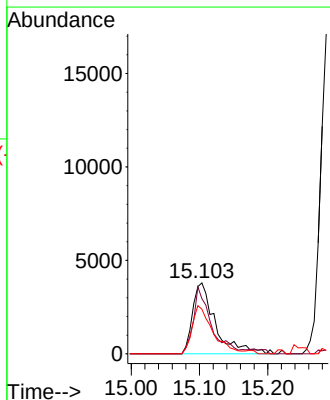
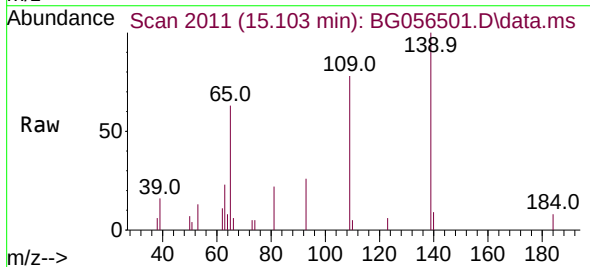
Manual Integrations
APPROVED

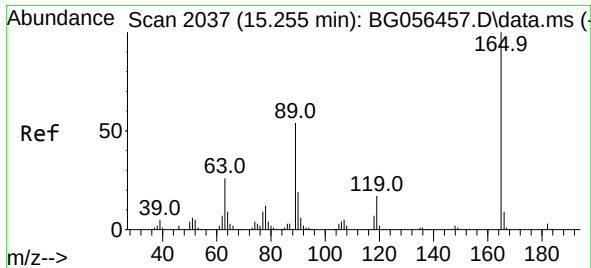
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#56
4-Nitrophenol
Concen: 6.970 ng
RT: 15.103 min Scan# 2011
Delta R.T. 0.007 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

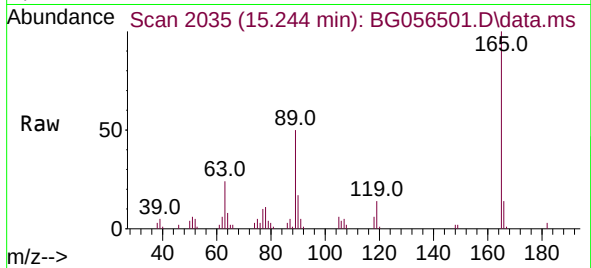
Tgt Ion:139 Resp: 8841
Ion Ratio Lower Upper
139 100
109 77.8 67.5 107.5
65 63.0 50.7 90.7





#57
2,4-Dinitrotoluene
Concen: 7.597 ng
RT: 15.244 min Scan# 2035
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

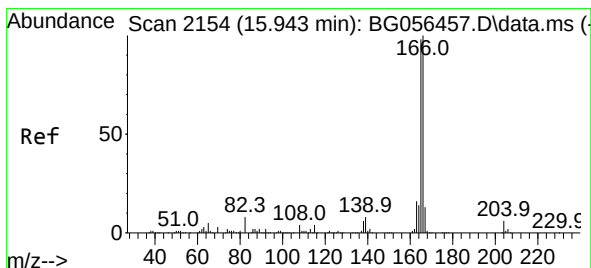
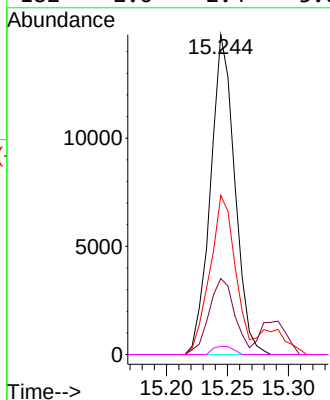
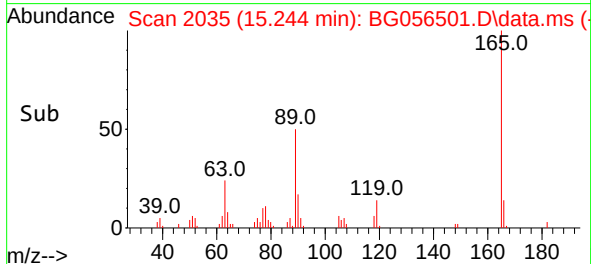
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion	Ratio	Lower	Upper
165	100		
63	23.8	20.6	31.0
89	49.7	43.1	64.7
182	2.6	2.4	3.6

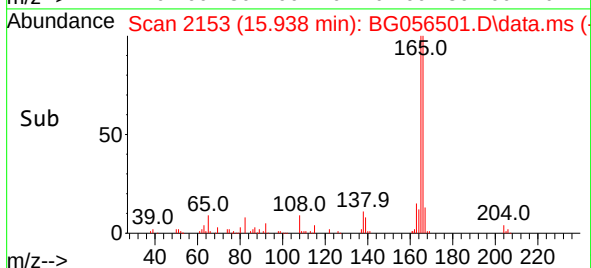
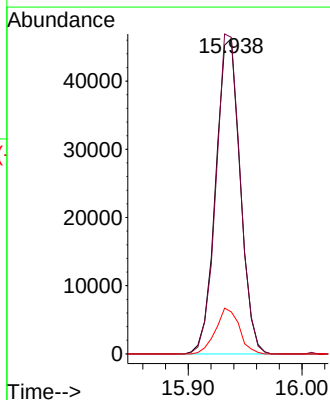
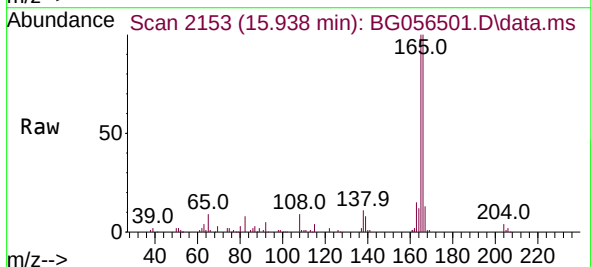
Manual Integrations
APPROVED

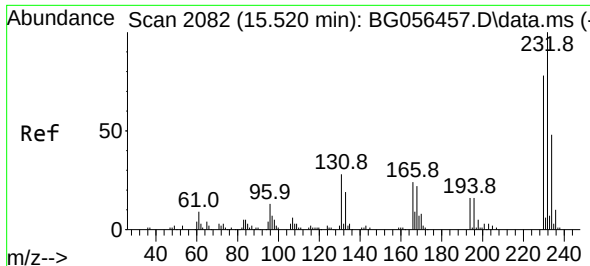
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#58
Fluorene
Concen: 8.155 ng
RT: 15.938 min Scan# 2153
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

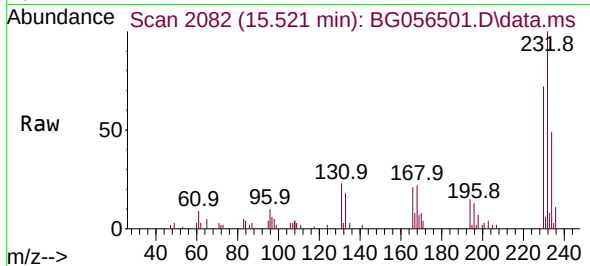
Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.4	78.8	118.2
167	13.3	10.6	15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.483 ng
RT: 15.521 min Scan# 2082
Delta R.T. 0.007 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

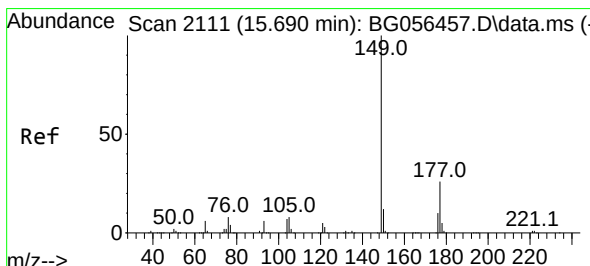
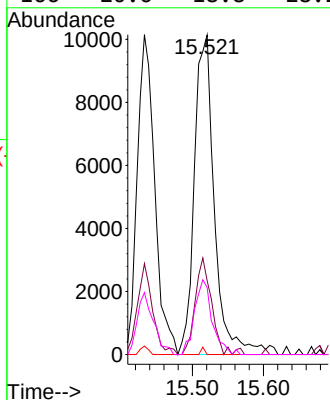
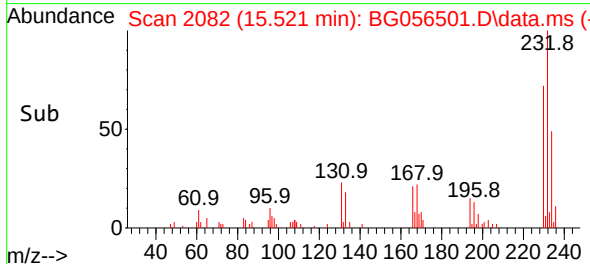
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:232 Resp: 19905
Ion Ratio Lower Upper
232 100
131 24.2 22.8 34.2
130 0.4 1.4 2.0
166 20.6 18.8 28.2

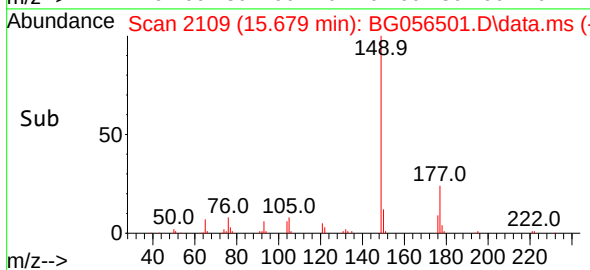
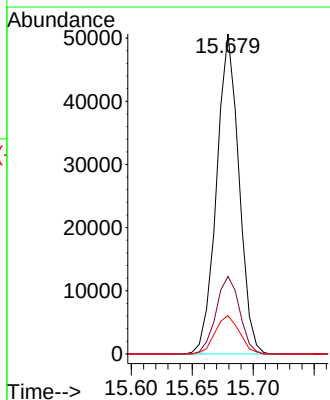
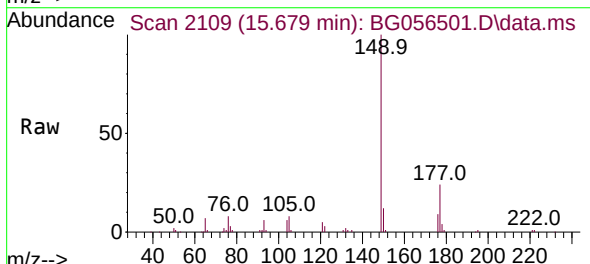
Manual Integrations
APPROVED

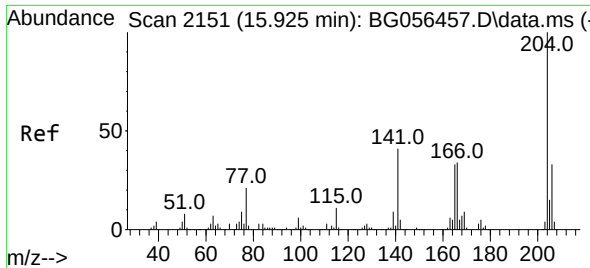
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#60
Diethylphthalate
Concen: 7.836 ng
RT: 15.679 min Scan# 2109
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion:149 Resp: 64610
Ion Ratio Lower Upper
149 100
177 24.2 21.0 31.4
150 12.0 9.9 14.9





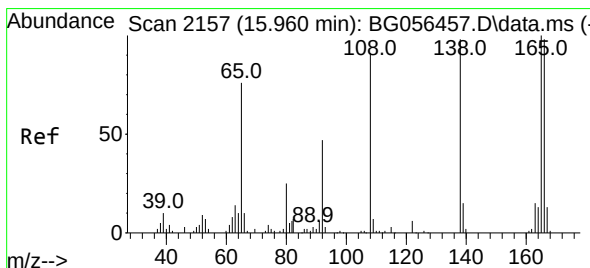
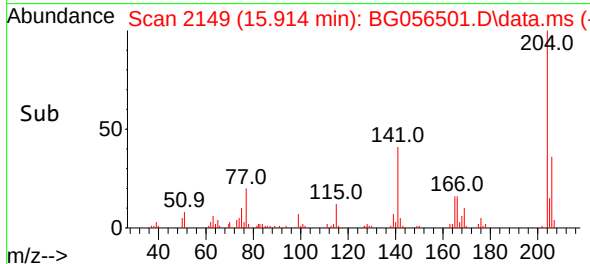
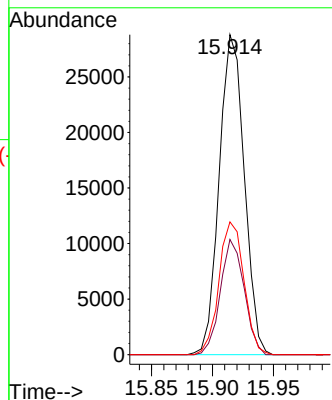
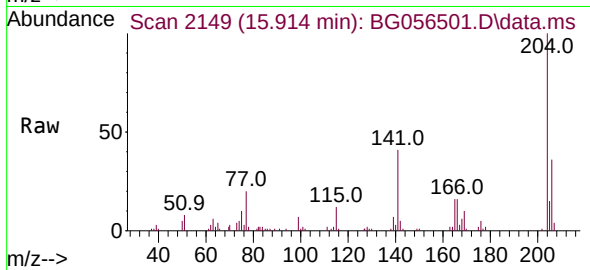
#61
4-Chlorophenyl-phenylether
Concen: 7.973 ng
RT: 15.914 min Scan# 2149
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:204 Resp: 41215
Ion Ratio Lower Upper
204 100
206 36.0 26.2 39.4
141 41.5 32.7 49.1

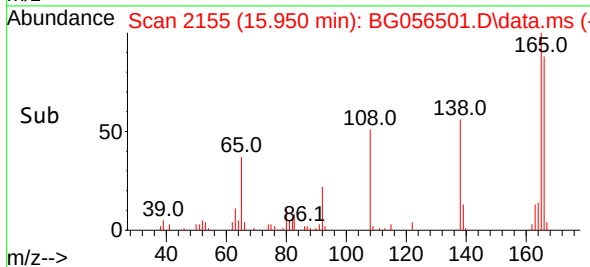
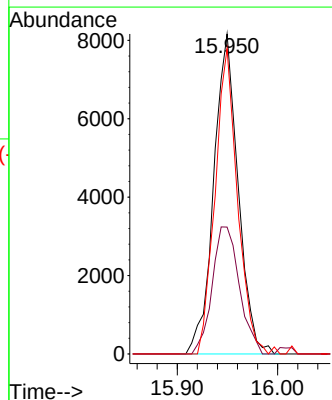
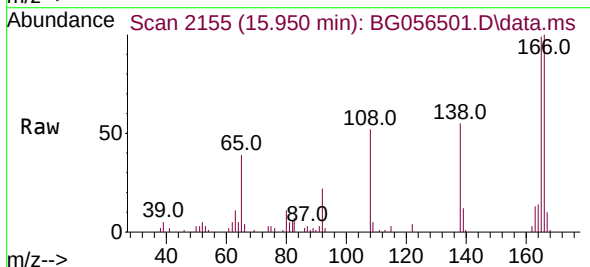
Manual Integrations
APPROVED

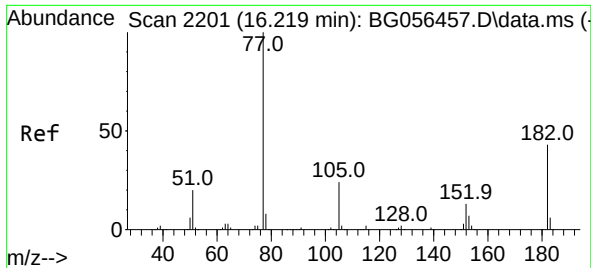
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#62
4-Nitroaniline
Concen: 7.422 ng
RT: 15.950 min Scan# 2155
Delta R.T. -0.011 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

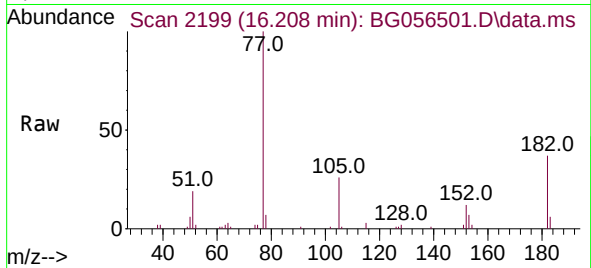
Tgt Ion:138 Resp: 13787
Ion Ratio Lower Upper
138 100
92 39.6 27.8 67.8
108 95.4 72.6 112.6





#63
Azobenzene
Concen: 7.906 ng
RT: 16.208 min Scan# 2199
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

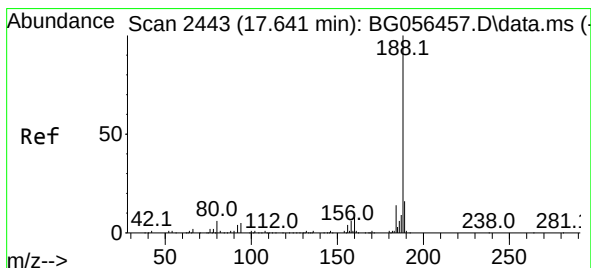
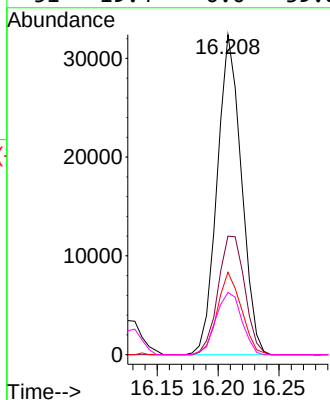
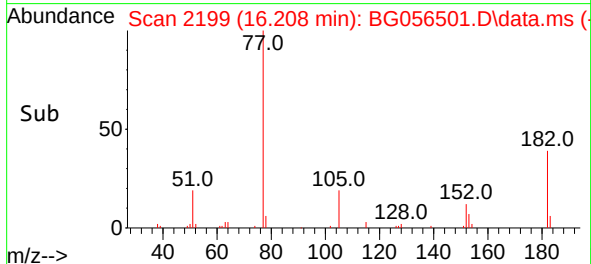
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



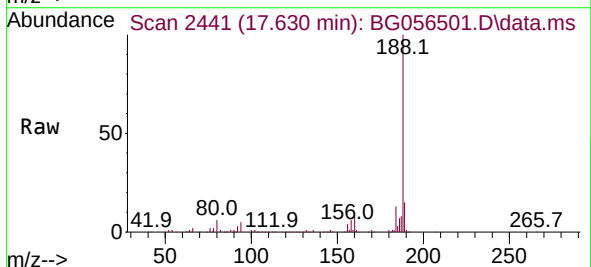
Tgt Ion: 77 Resp: 44853
Ion Ratio Lower Upper
77 100
182 37.0 23.1 63.1
105 25.7 4.2 44.2
51 19.4 0.0 39.8

Manual Integrations
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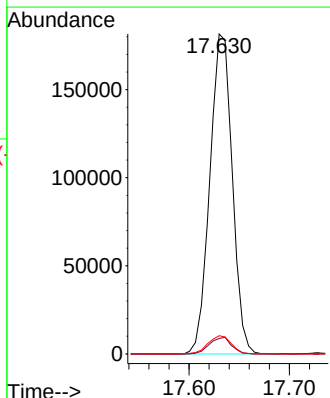
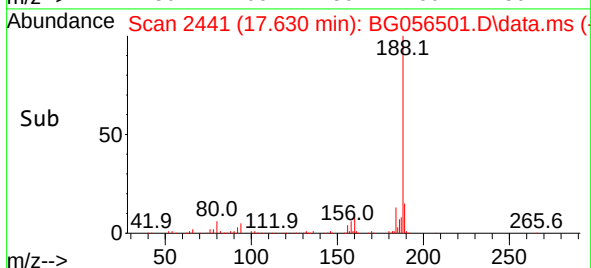
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

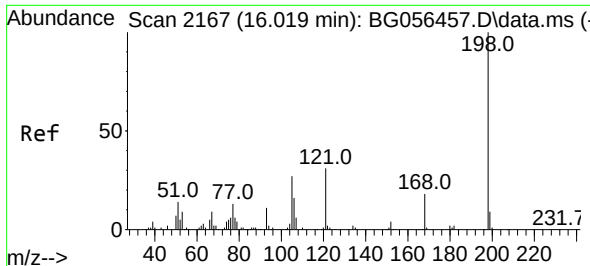


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.630 min Scan# 2441
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



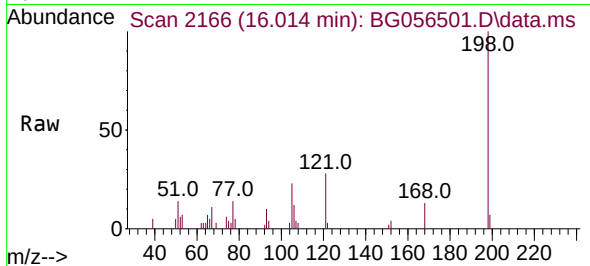
Tgt Ion:188 Resp: 281786
Ion Ratio Lower Upper
188 100
94 4.8 4.1 6.1
80 5.7 5.0 7.4





#65
4,6-Dinitro-2-methylphenol
Concen: 6.122 ng
RT: 16.014 min Scan# 2166
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

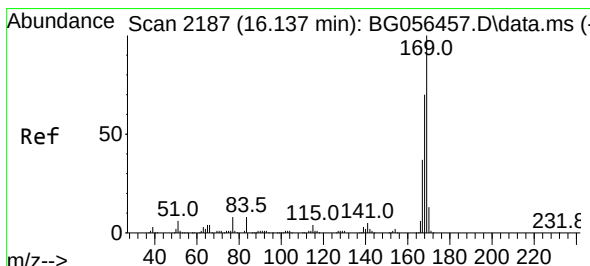
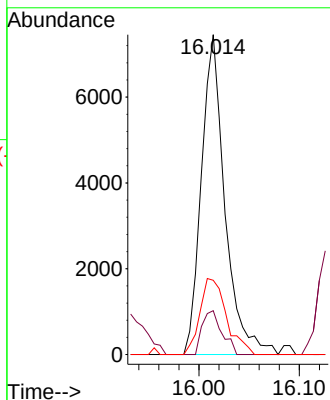
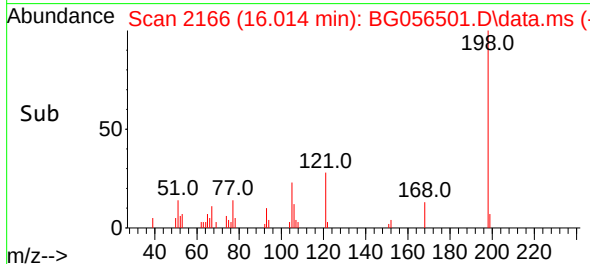
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



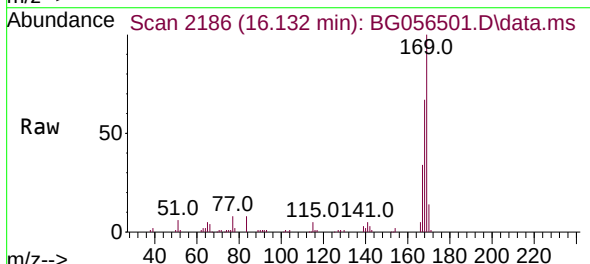
Tgt Ion:198 Resp: 12129
Ion Ratio Lower Upper
198 100
51 13.7 0.0 35.0
105 23.2 7.4 47.4

Manual Integrations
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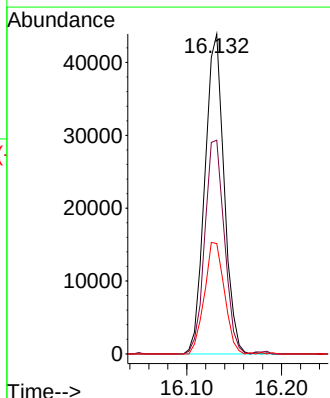
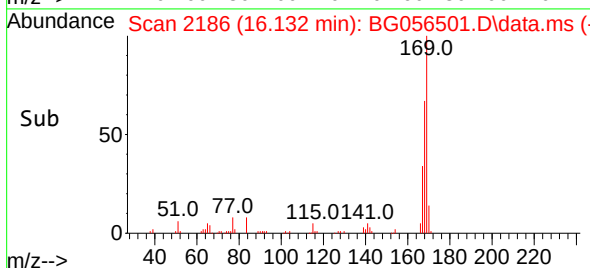
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

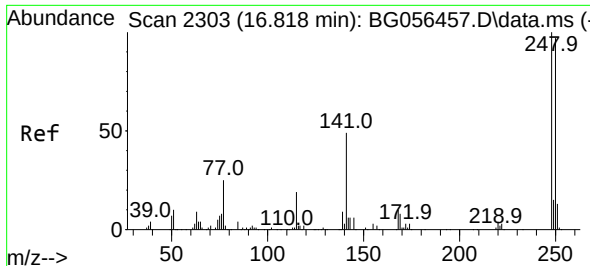


#66
n-Nitrosodiphenylamine
Concen: 7.763 ng
RT: 16.132 min Scan# 2186
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



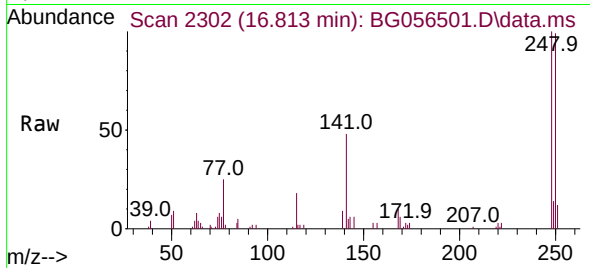
Tgt Ion:169 Resp: 61931
Ion Ratio Lower Upper
169 100
168 66.8 55.8 83.6
167 34.5 29.8 44.8





#67
4-Bromophenyl-phenylether
Concen: 7.736 ng
RT: 16.813 min Scan# 2303
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

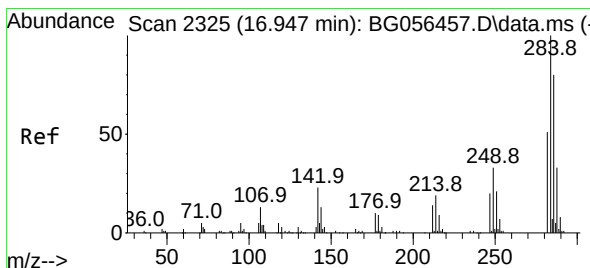
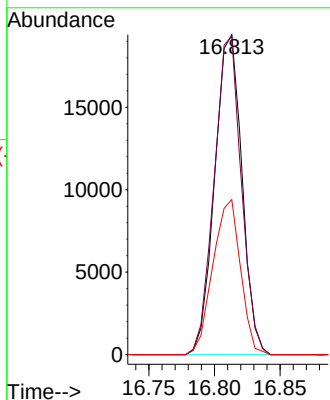
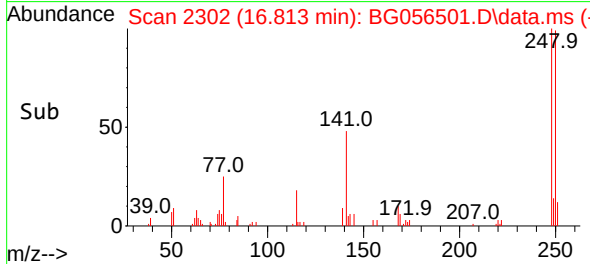
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



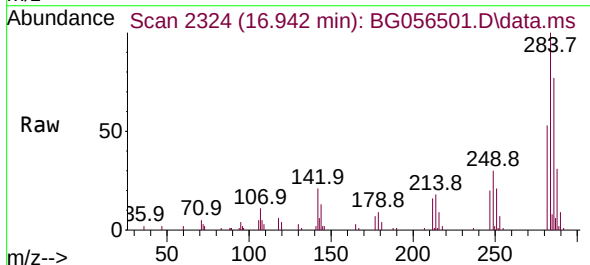
Tgt Ion:248 Resp: 2790
Ion Ratio Lower Upper
248 100
250 99.5 77.6 116.4
141 48.4 39.0 58.4

Manual Integrations
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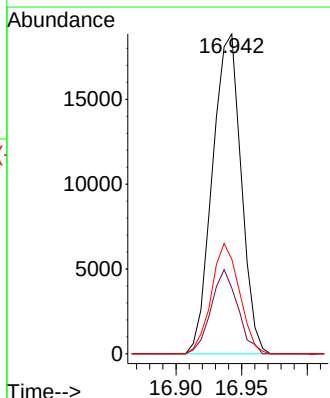
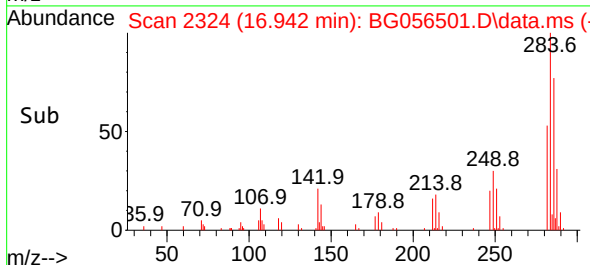
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

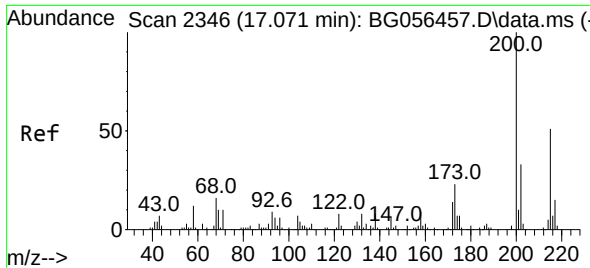


#68
Hexachlorobenzene
Concen: 8.129 ng
RT: 16.942 min Scan# 2324
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



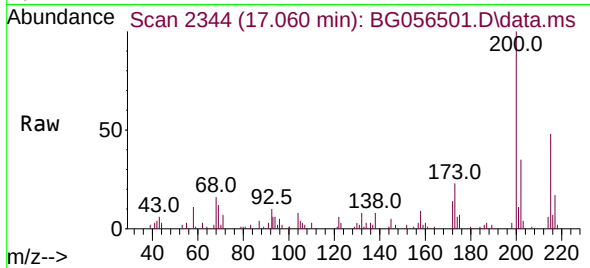
Tgt Ion:284 Resp: 28721
Ion Ratio Lower Upper
284 100
142 20.6 18.0 27.0
249 31.4 26.7 40.1





#69
 Atrazine
 Concen: 8.714 ng
 RT: 17.060 min Scan# 2344
 Delta R.T. -0.011 min
 Lab File: BG056501.D
 Acq: 1 Feb 2023 15:34

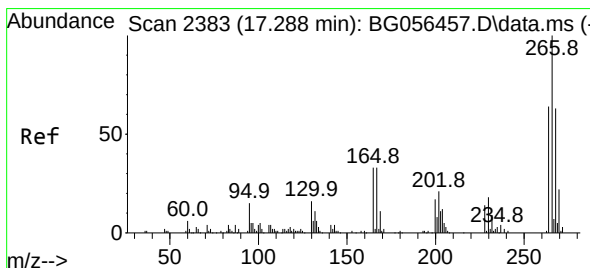
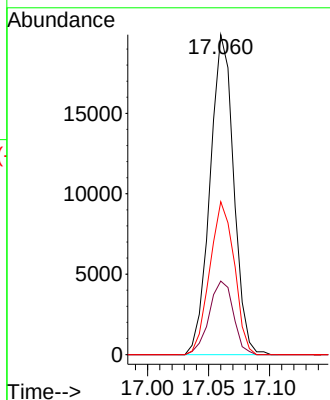
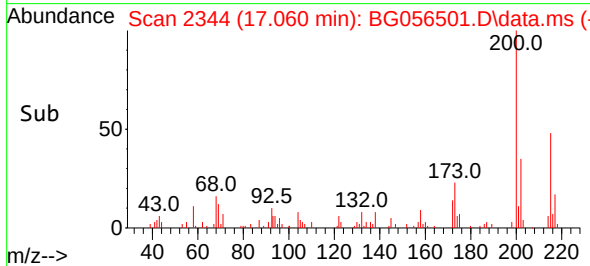
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022



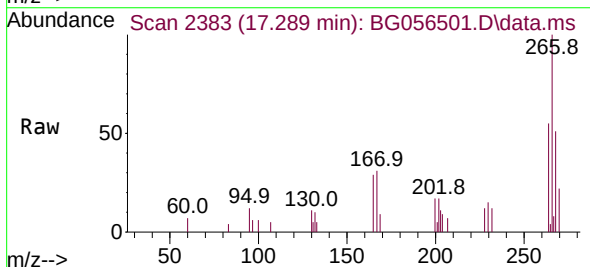
Tgt Ion:200 Resp: 2682
 Ion Ratio Lower Upper
 200 100
 173 23.0 3.2 43.2
 215 47.8 30.7 70.7

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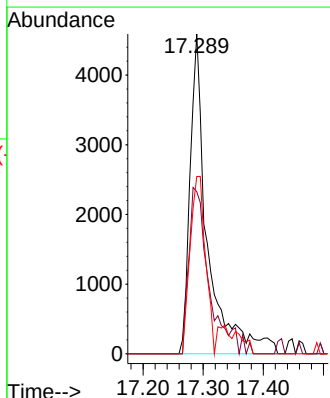
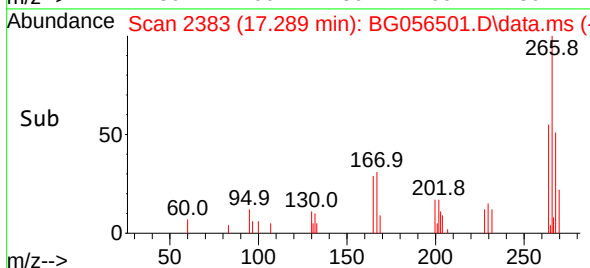
Reviewed By :Christian Giraldo 02/02/2023
 Supervised By :Jagrut Upadhyay 02/02/2023

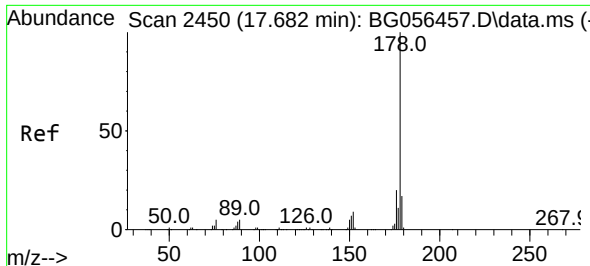


#70
 Pentachlorophenol
 Concen: 4.324 ng m
 RT: 17.289 min Scan# 2383
 Delta R.T. 0.007 min
 Lab File: BG056501.D
 Acq: 1 Feb 2023 15:34



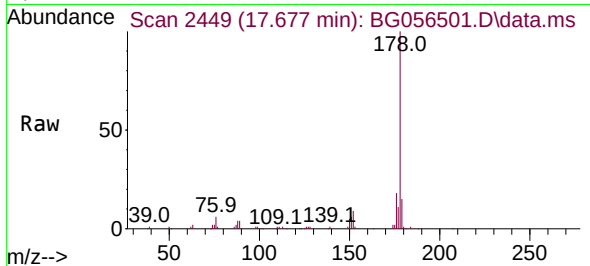
Tgt Ion:266 Resp: 9243
 Ion Ratio Lower Upper
 266 100
 268 50.7 50.2 75.4
 264 55.4 51.4 77.0





#71
Phenanthrene
Concen: 7.836 ng
RT: 17.677 min Scan# 2449
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

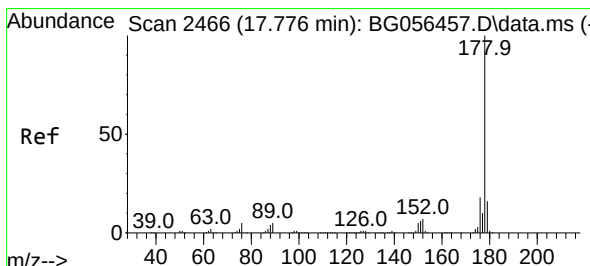
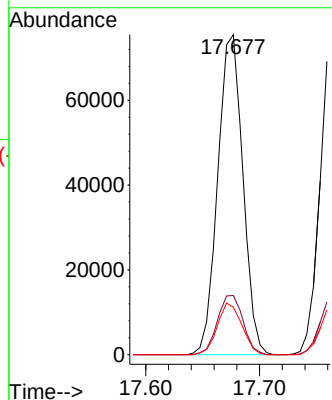
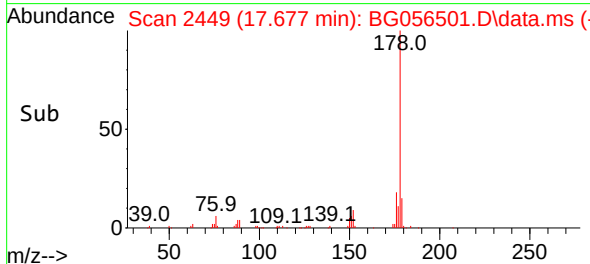
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



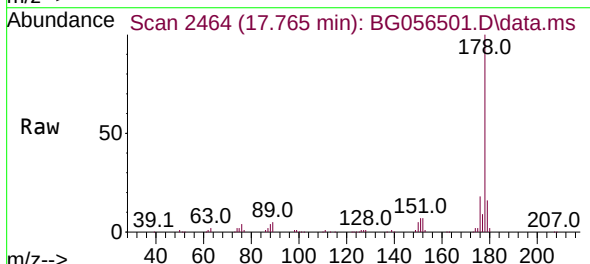
Tgt Ion:178 Resp: 115562
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 14.8 13.3 19.9

Manual Integrations
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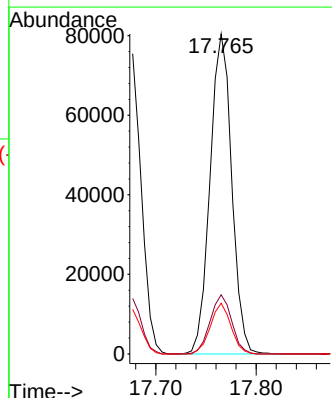
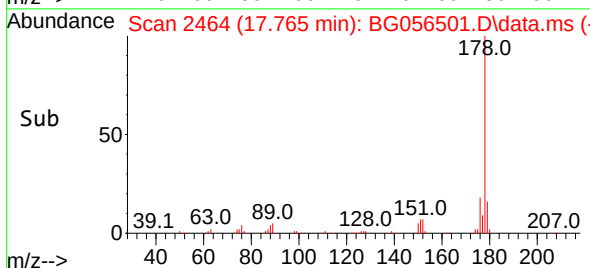
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

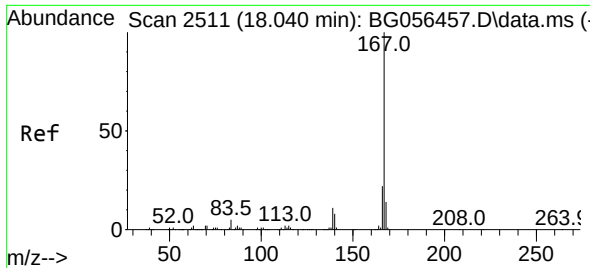


#72
Anthracene
Concen: 7.967 ng
RT: 17.765 min Scan# 2464
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



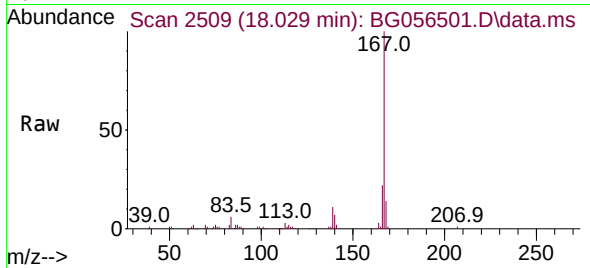
Tgt Ion:178 Resp: 120614
Ion Ratio Lower Upper
178 100
176 18.5 14.5 21.7
179 15.8 12.5 18.7





#73
 Carbazole
 Concen: 7.837 ng
 RT: 18.029 min Scan# 2509
 Delta R.T. -0.005 min
 Lab File: BG056501.D
 Acq: 1 Feb 2023 15:34

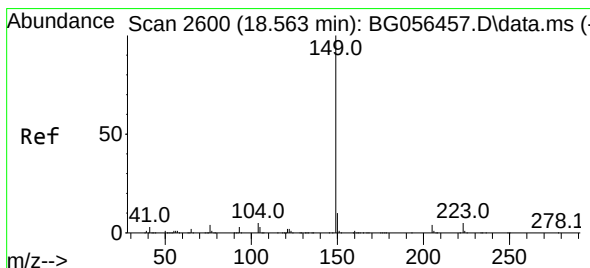
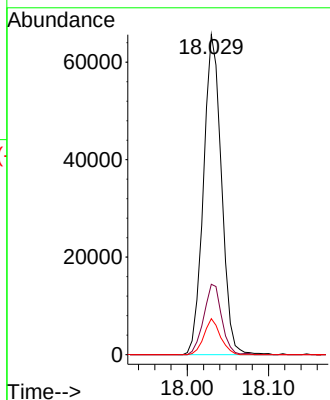
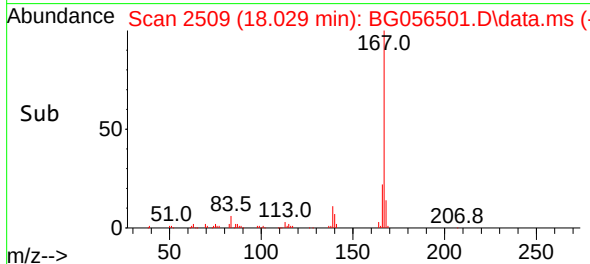
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022



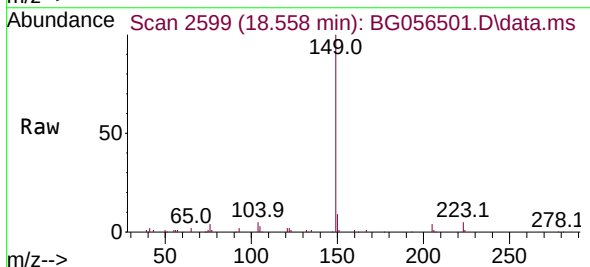
Tgt Ion:167 Resp: 101053
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.8 26.6
 139 11.2 8.9 13.3

Manual Integrations
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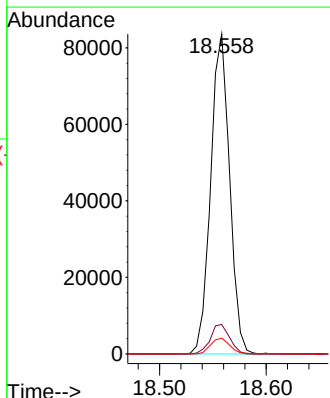
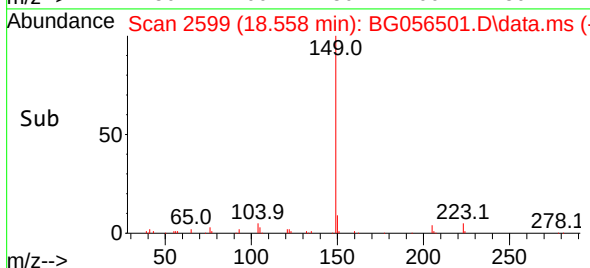
Reviewed By :Christian Giraldo 02/02/2023
 Supervised By :Jagrut Upadhyay 02/02/2023

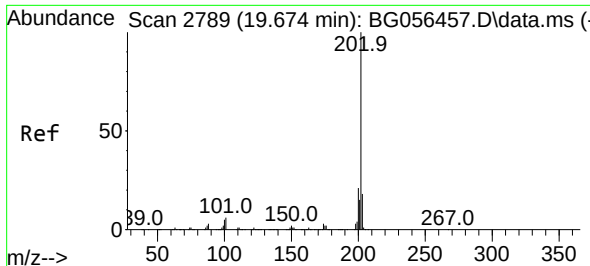


#74
 Di-n-butylphthalate
 Concen: 7.615 ng
 RT: 18.558 min Scan# 2599
 Delta R.T. -0.005 min
 Lab File: BG056501.D
 Acq: 1 Feb 2023 15:34



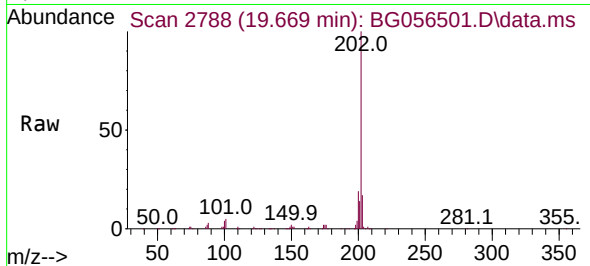
Tgt Ion:149 Resp: 103091
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.8 11.6
 104 4.9 4.0 6.0





#75
Fluoranthene
Concen: 8.037 ng
RT: 19.669 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

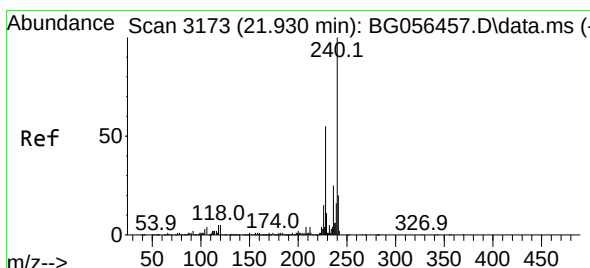
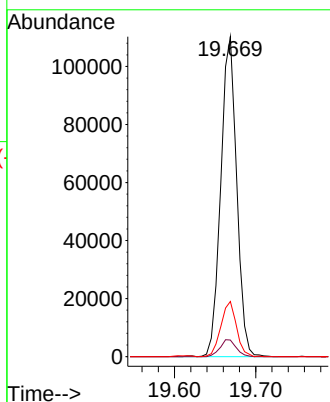
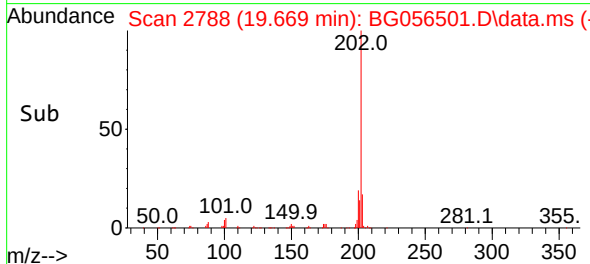
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:202 Resp: 149595
Ion Ratio Lower Upper
202 100
101 5.2 0.0 25.6
203 17.2 0.0 38.1

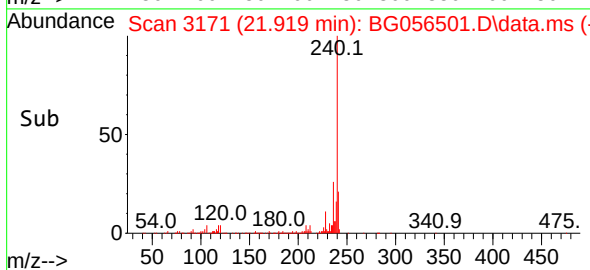
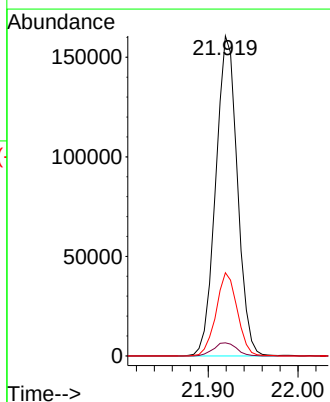
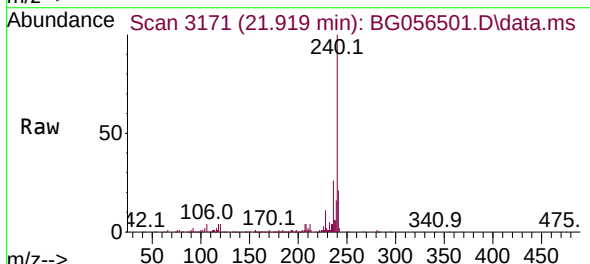
Manual Integrations
APPROVED

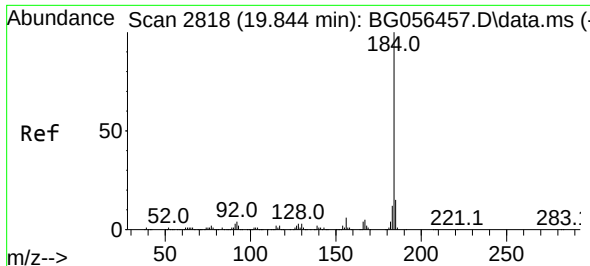
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3171
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

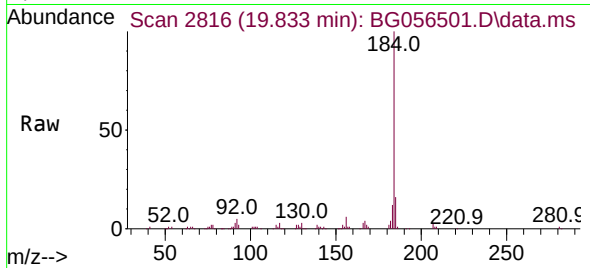
Tgt Ion:240 Resp: 269920
Ion Ratio Lower Upper
240 100
120 4.1 3.8 5.8
236 26.0 20.2 30.2





#77
Benzidine
Concen: 11.531 ng
RT: 19.833 min Scan# 2816
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

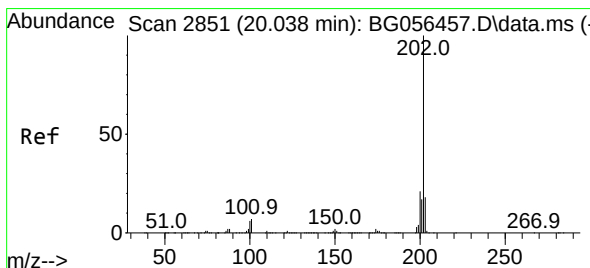
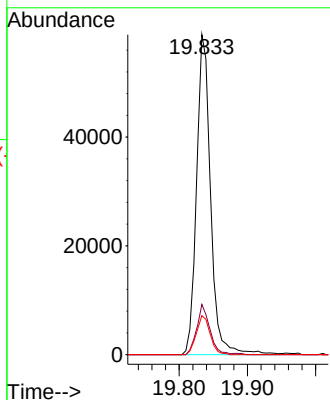
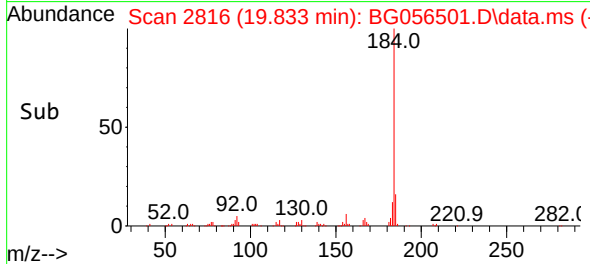
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



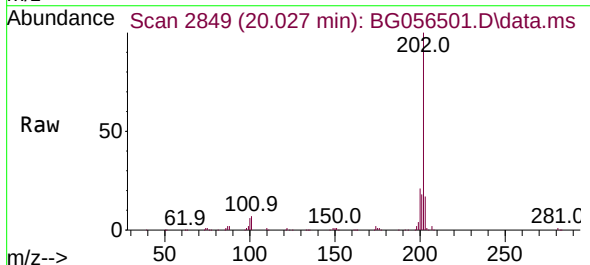
Tgt Ion:184 Resp: 84223
Ion Ratio Lower Upper
184 100
185 15.7 12.3 18.5
183 12.2 9.8 14.8

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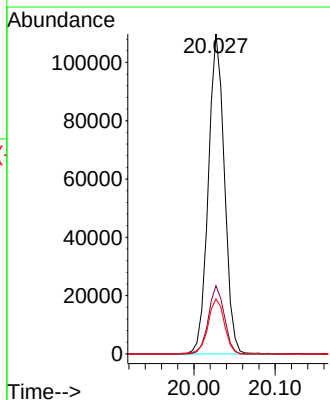
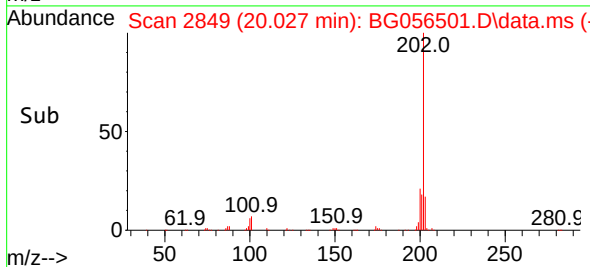
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

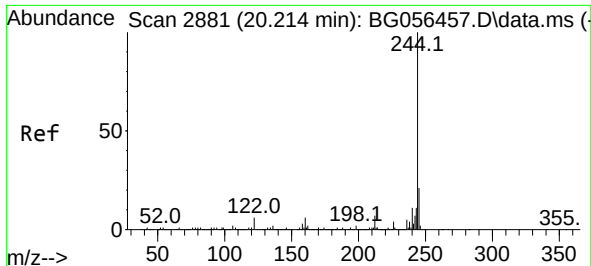


#78
Pyrene
Concen: 7.870 ng
RT: 20.027 min Scan# 2849
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



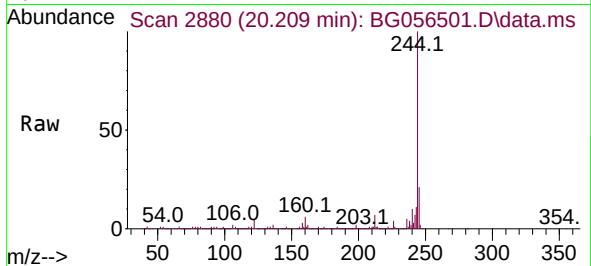
Tgt Ion:202 Resp: 151080
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 17.2 14.4 21.6





#79
Terphenyl-d14
Concen: 80.236 ng
RT: 20.209 min Scan# 2881
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

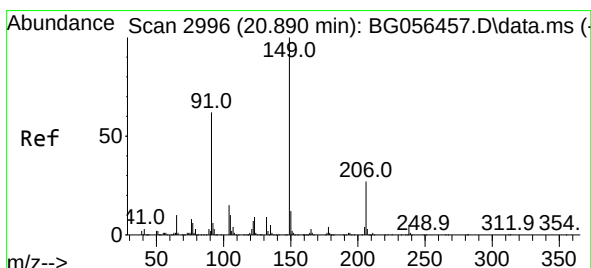
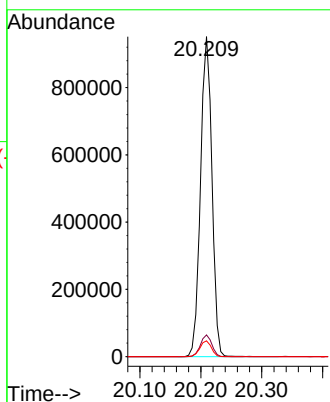
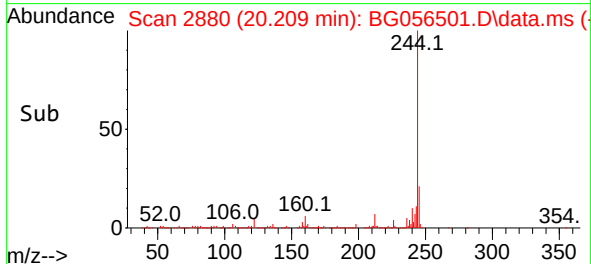
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:244 Resp: 1233078
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 4.9 4.4 6.6

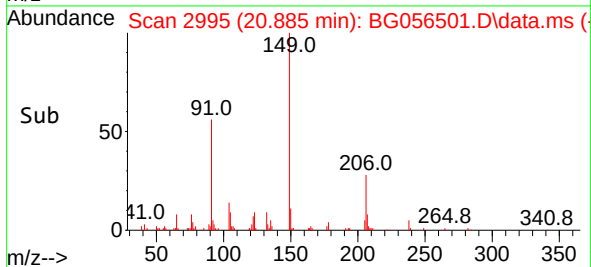
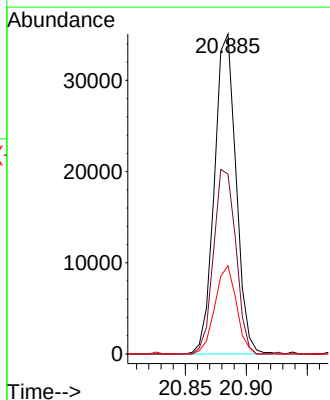
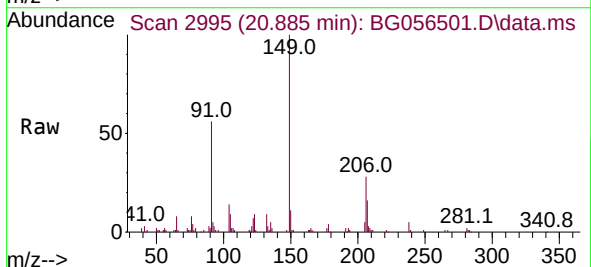
Manual Integrations
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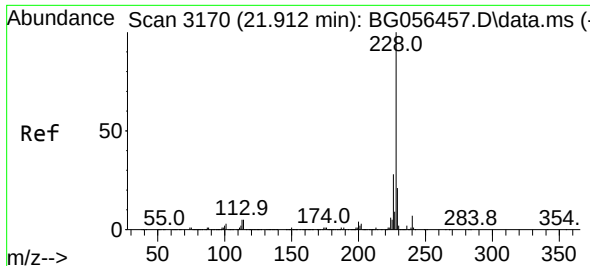
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#80
Butylbenzylphthalate
Concen: 7.395 ng
RT: 20.885 min Scan# 2995
Delta R.T. 0.001 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

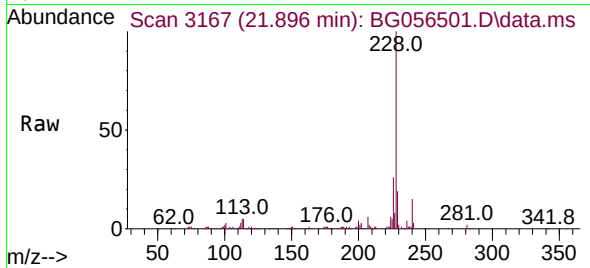
Tgt Ion:149 Resp: 43354
Ion Ratio Lower Upper
149 100
91 56.2 49.4 74.0
206 27.5 22.0 33.0





#81
Benzo(a)anthracene
Concen: 7.844 ng
RT: 21.896 min Scan# 3170
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

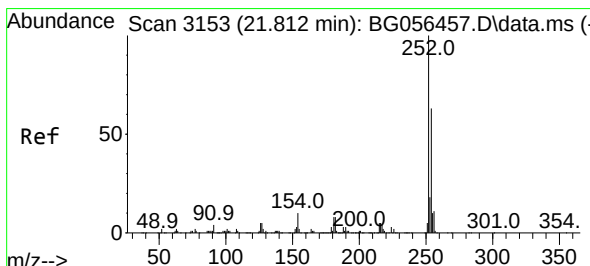
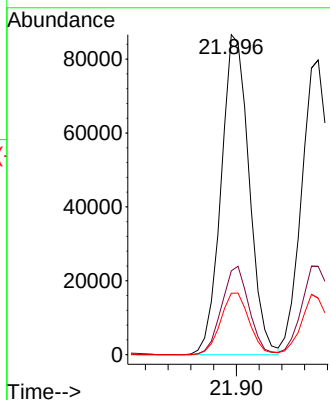
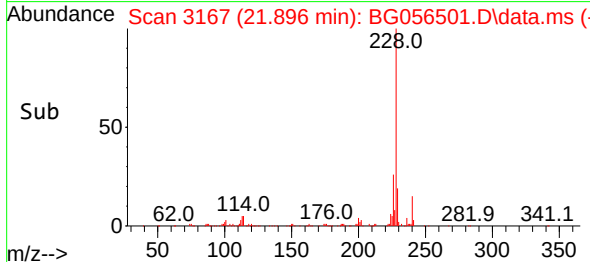
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:228 Resp: 148017
Ion Ratio Lower Upper
228 100
226 26.2 22.4 33.6
229 19.2 16.5 24.7

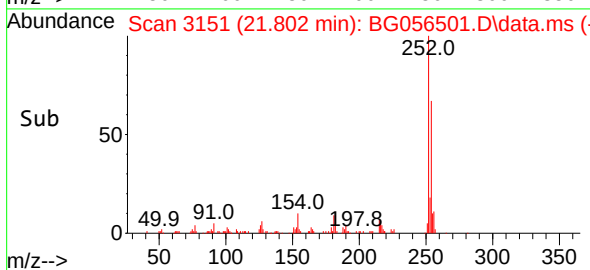
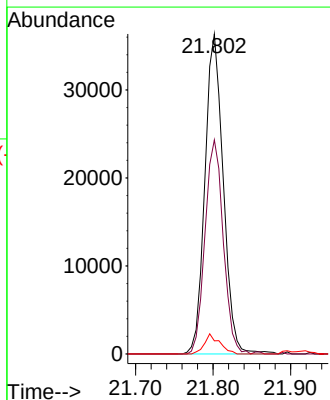
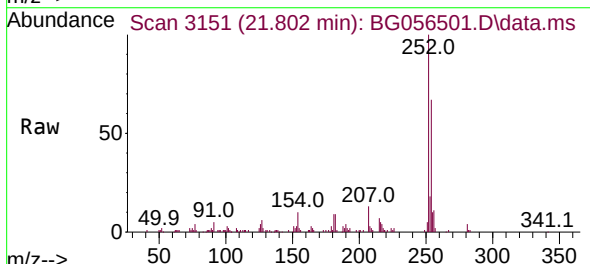
Manual Integrations
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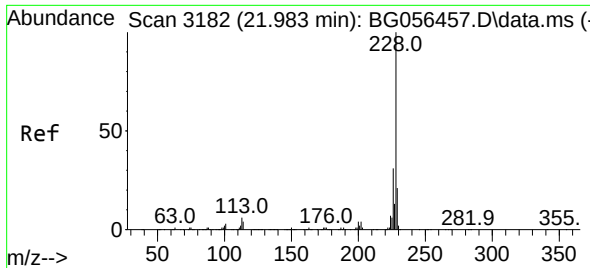
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#82
3,3'-Dichlorobenzidine
Concen: 8.799 ng
RT: 21.802 min Scan# 3151
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

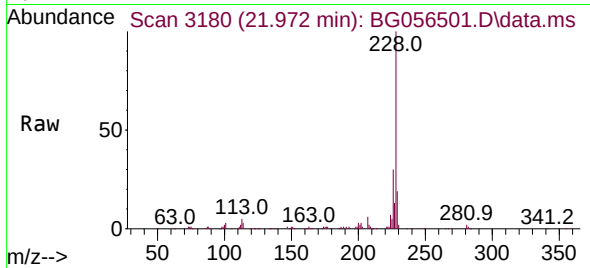
Tgt Ion:252 Resp: 59791
Ion Ratio Lower Upper
252 100
254 66.9 50.0 75.0
126 4.1 4.3 6.5





#83
Chrysene
Concen: 7.806 ng
RT: 21.972 min Scan# 3182
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

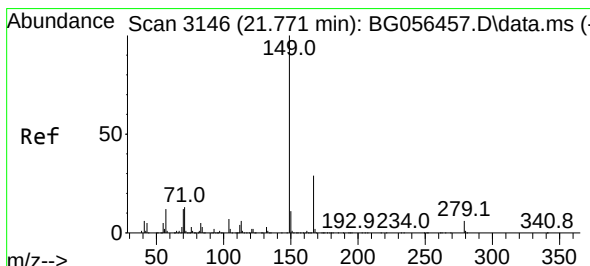
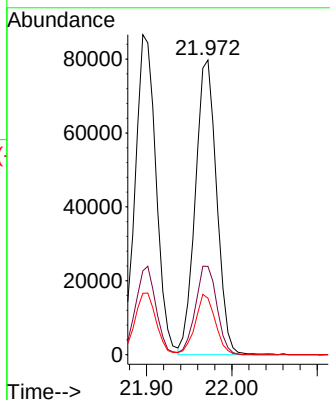
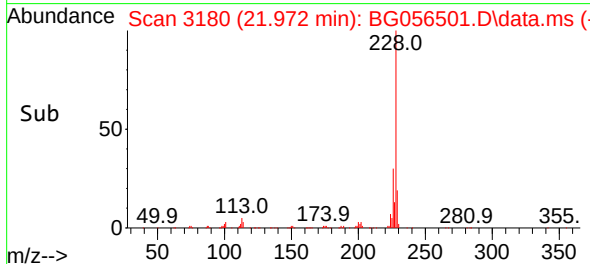
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:228 Resp: 138391
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.4
229 19.1 16.4 24.6

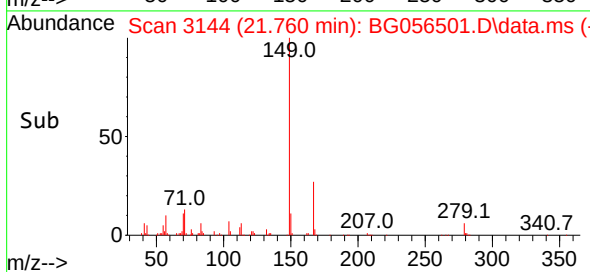
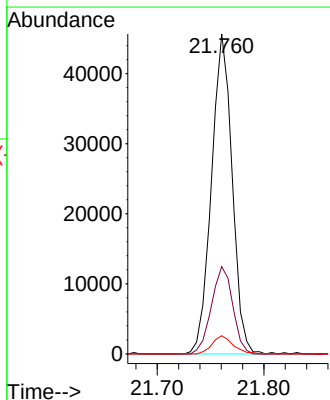
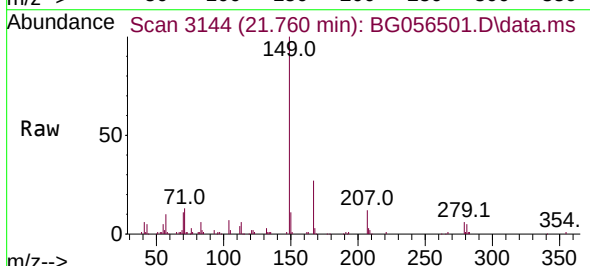
Manual Integrations
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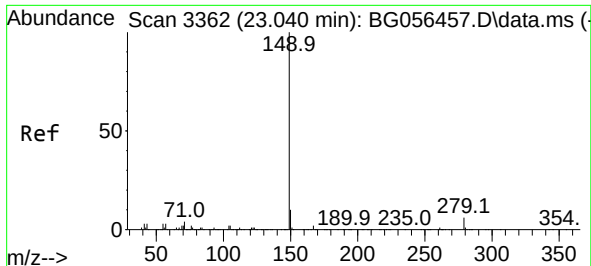
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.331 ng
RT: 21.760 min Scan# 3144
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

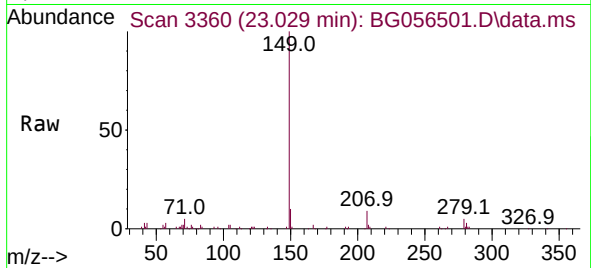
Tgt Ion:149 Resp: 61619
Ion Ratio Lower Upper
149 100
167 27.3 23.4 35.2
279 5.7 4.4 6.6





#85
Di-n-octyl phthalate
Concen: 7.470 ng
RT: 23.029 min Scan# 3362
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

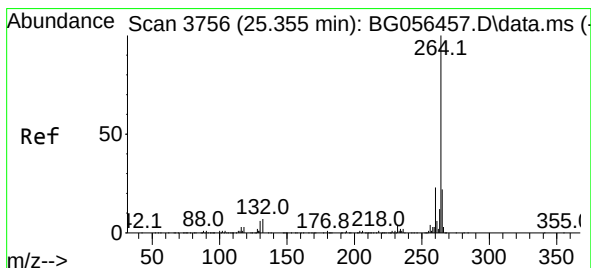
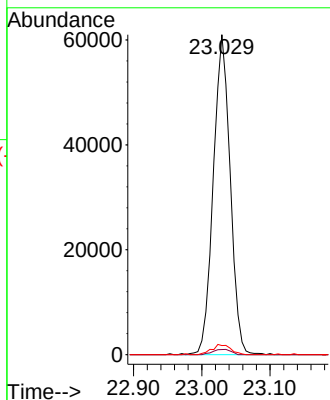
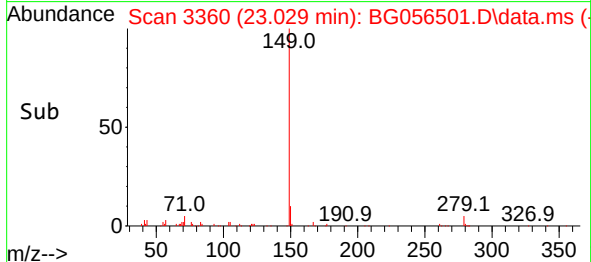
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



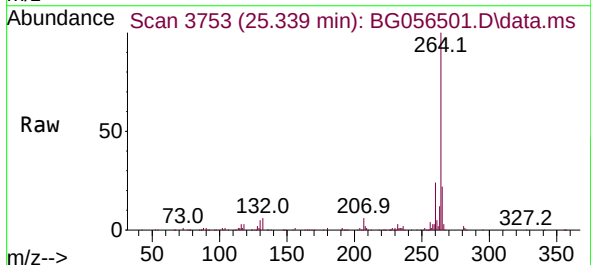
Tgt Ion:149 Resp: 104574
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 3.5 2.7 4.1

Manual Integrations
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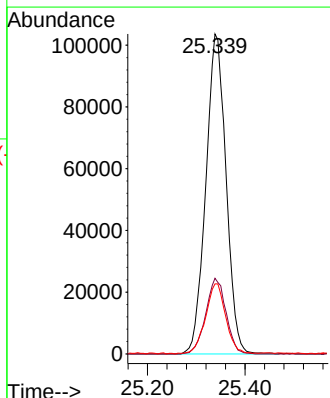
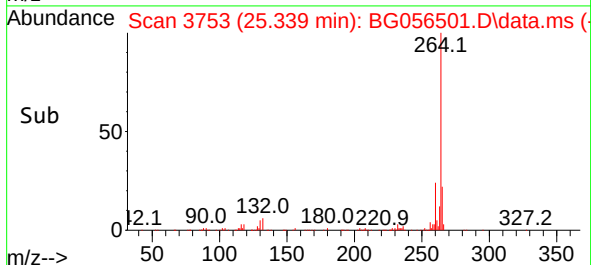
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

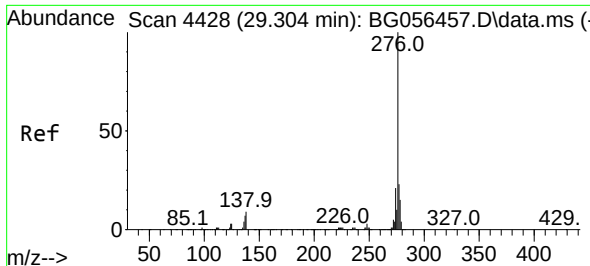


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.339 min Scan# 3753
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34



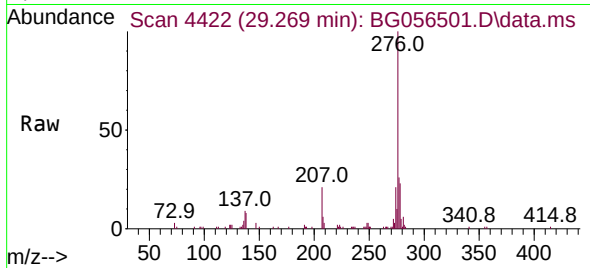
Tgt Ion:264 Resp: 298933
Ion Ratio Lower Upper
264 100
260 23.7 18.2 27.4
265 21.9 18.1 27.1





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.539 ng
 RT: 29.269 min Scan# 4428
 Delta R.T. -0.011 min
 Lab File: BG056501.D
 Acq: 1 Feb 2023 15:34

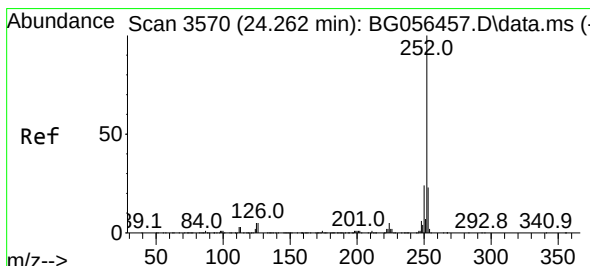
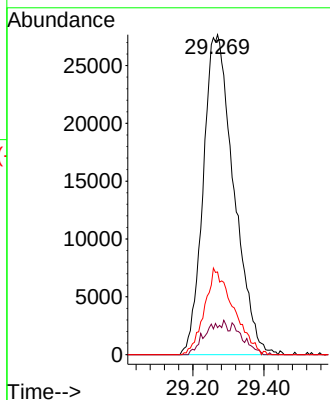
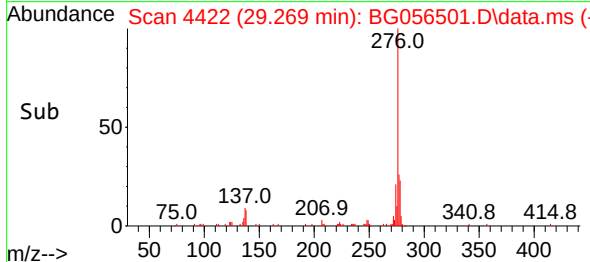
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022



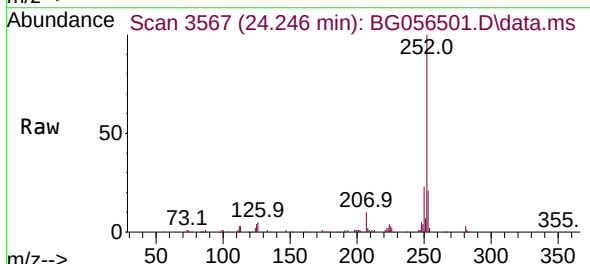
Tgt Ion:276 Resp: 164978
 Ion Ratio Lower Upper
 276 100
 138 3.6 9.4 14.2
 277 25.5 20.3 30.5

Manual Integrations
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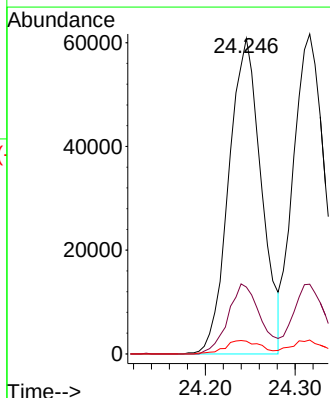
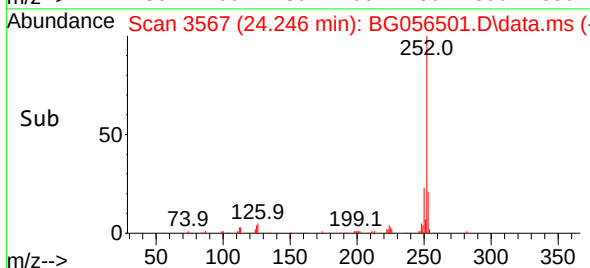
Reviewed By :Christian Giraldo 02/02/2023
 Supervised By :Jagrut Upadhyay 02/02/2023

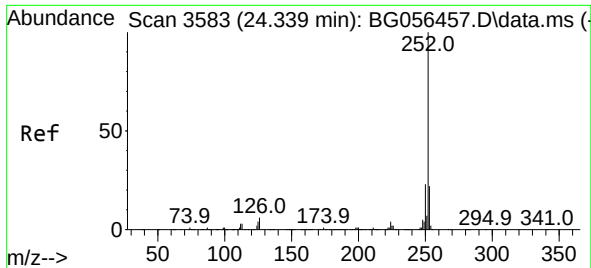


#88
 Benzo(b)fluoranthene
 Concen: 8.270 ng
 RT: 24.246 min Scan# 3567
 Delta R.T. -0.005 min
 Lab File: BG056501.D
 Acq: 1 Feb 2023 15:34



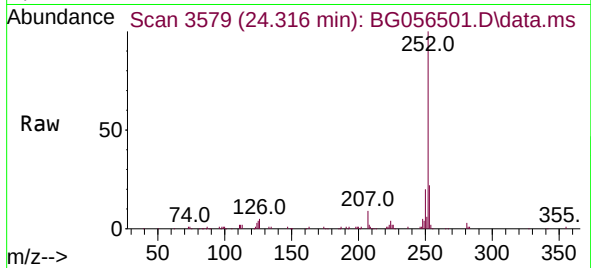
Tgt Ion:252 Resp: 153448
 Ion Ratio Lower Upper
 252 100
 253 21.2 18.1 27.1
 125 4.1 3.9 5.9





#89
Benzo(k)fluoranthene
Concen: 8.041 ng
RT: 24.316 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

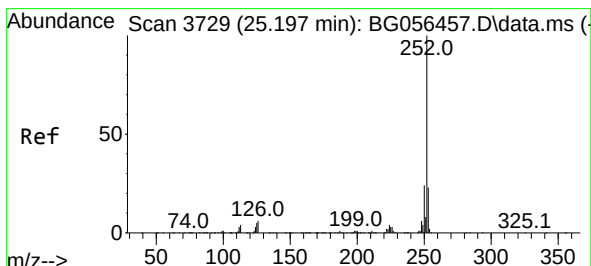
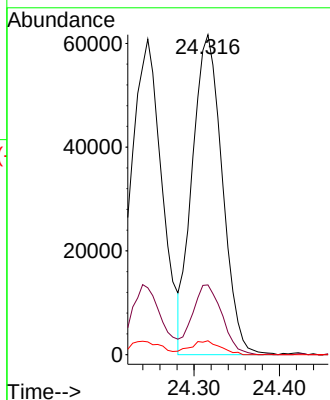
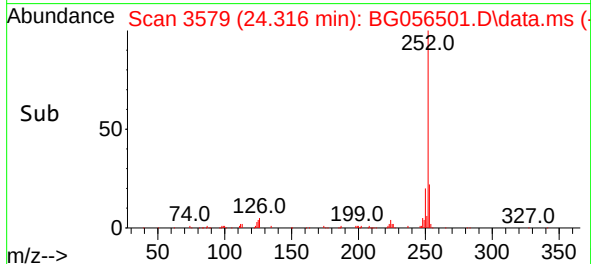
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:252 Resp: 150637
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 4.3 3.4 5.0

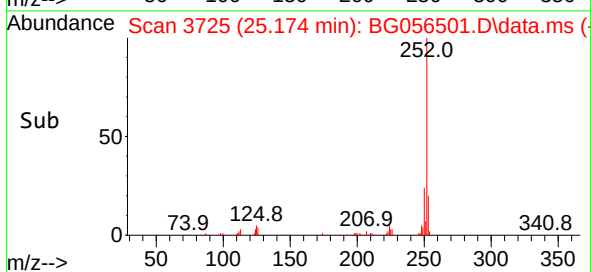
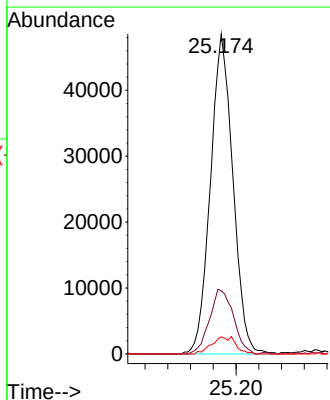
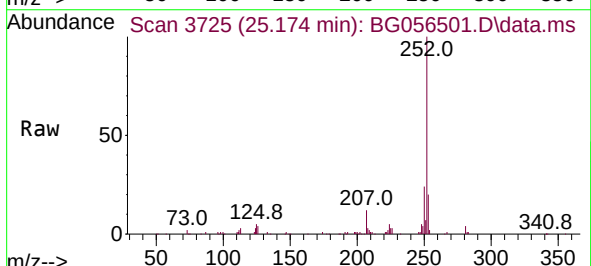
Manual Integrations
APPROVED

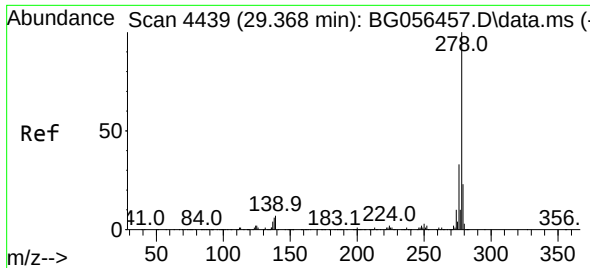
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#90
Benzo(a)pyrene
Concen: 7.284 ng
RT: 25.174 min Scan# 3725
Delta R.T. -0.011 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

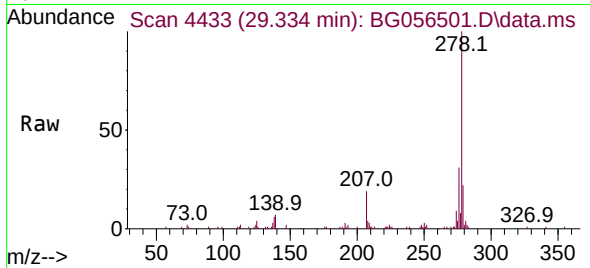
Tgt Ion:252 Resp: 133137
Ion Ratio Lower Upper
252 100
253 19.8 18.4 27.6
125 5.3 4.1 6.1





#91
Dibenzo(a,h)anthracene
Concen: 7.927 ng
RT: 29.334 min Scan# 4439
Delta R.T. -0.011 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

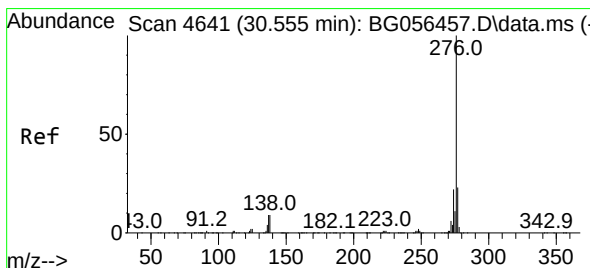
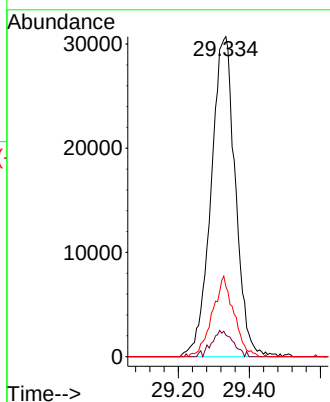
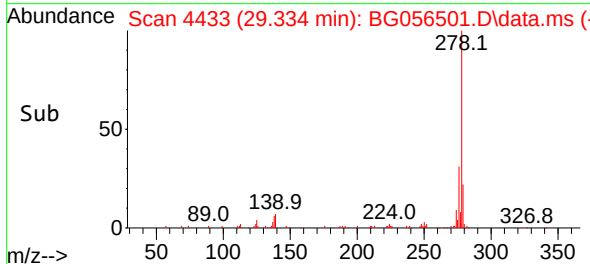
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 278 Resp: 145600
Ion Ratio Lower Upper
278 100
139 6.7 5.5 8.3
279 21.9 18.8 28.2

Manual Integrations
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Reviewed By : Christian Giraldo 02/02/2023
Supervised By : Jagrut Upadhyay 02/02/2023



#92
Benzo(g,h,i)perylene
Concen: 7.859 ng
RT: 30.503 min Scan# 4632
Delta R.T. -0.023 min
Lab File: BG056501.D
Acq: 1 Feb 2023 15:34

Tgt Ion: 276 Resp: 139289
Ion Ratio Lower Upper
276 100
277 24.1 18.5 27.7
138 9.2 7.4 11.0

