

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
 Data File : BG056511.D
 Acq On : 2 Feb 2023 12:38
 Operator : CG/JU
 Sample : N4955-03
 Misc : MDL-MDL-SOIL 8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

Quant Time: Feb 03 05:20:24 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

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/03/2023
 Supervised By : Jagrut Upadhyay 02/03/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.275	152	36574	20.000	ng	# 0.00
21) Naphthalene-d8	11.107	136	138607	20.000	ng	# 0.00
39) Acenaphthene-d10	14.897	164	113497	20.000	ng	0.00
64) Phenanthrene-d10	17.635	188	289934	20.000	ng	0.00
76) Chrysene-d12	21.924	240	284689	20.000	ng	0.00
86) Perylene-d12	25.338	264	314353	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.790	112	215134	108.207	ng	0.00
7) Phenol-d6	7.418	99	309824	105.174	ng	0.00
23) Nitrobenzene-d5	9.451	82	204211	83.662	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	161898	107.297	ng	0.00
45) 2-Fluorobiphenyl	13.522	172	687968	84.039	ng	0.00
79) Terphenyl-d14	20.209	244	1295571	79.929	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.599	88	7152	8.639	ng	# 94
3) Pyridine	4.027	79	17721	7.181	ng	# 93
4) n-Nitrosodimethylamine	3.933	42	4109	7.830	ng	# 100
6) Aniline	7.588	93	29284	7.593	ng	97
8) 2-Chlorophenol	7.835	128	16217	7.425	ng	99
9) Benzaldehyde	7.400	77	15689	9.111	ng	# 81
10) Phenol	7.441	94	22185	7.410	ng	97
11) bis(2-Chloroethyl)ether	7.676	93	16302	7.921	ng	96
12) 1,3-Dichlorobenzene	8.164	146	21375	8.500	ng	95
13) 1,4-Dichlorobenzene	8.311	146	21553	8.463	ng	99
14) 1,2-Dichlorobenzene	8.634	146	20454	8.278	ng	96
15) Benzyl Alcohol	8.510	79	13875	6.865	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.798	45	3349	7.680	ng	94
17) 2-Methylphenol	8.710	107	15763	6.920	ng	97
18) Hexachloroethane	9.368	117	6438	8.358	ng	93
19) n-Nitroso-di-n-propyla...	9.075	70	13020	7.670	ng	# 92
20) 3+4-Methylphenols	9.039	107	21678	6.791	ng	98
22) Acetophenone	9.104	105	30333	8.236	ng	# 99
24) Nitrobenzene	9.492	77	20021	8.504	ng	91
25) Isophorone	10.009	82	38963	7.737	ng	99
26) 2-Nitrophenol	10.208	139	11125	7.788	ng	94
27) 2,4-Dimethylphenol	10.255	122	16196	6.775	ng	95
28) bis(2-Chloroethoxy)met...	10.491	93	22630	8.135	ng	96
29) 2,4-Dichlorophenol	10.755	162	20578	7.647	ng	99
30) 1,2,4-Trichlorobenzene	10.966	180	25198	8.426	ng	99
31) Naphthalene	11.160	128	58823	8.041	ng	97
32) Benzoic acid	10.373	122	10415m	7.787	ng	
33) 4-Chloroaniline	11.266	127	25183	7.374	ng	98
34) Hexachlorobutadiene	11.431	225	18435	8.782	ng	98
35) Caprolactam	12.006	113	6901	7.604	ng	96
36) 4-Chloro-3-methylphenol	12.365	107	19834	7.632	ng	89
37) 2-Methylnaphthalene	12.741	142	46076	7.640	ng	98
38) 1-Methylnaphthalene	12.958	142	44472	7.895	ng	99
40) 1,2,4,5-Tetrachloroben...	13.105	216	34983	8.437	ng	99
41) Hexachlorocyclopentadiene	13.076	237	9915	10.523	ng	93
43) 2,4,6-Trichlorophenol	13.340	196	19330	7.234	ng	87

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Manual Integrations
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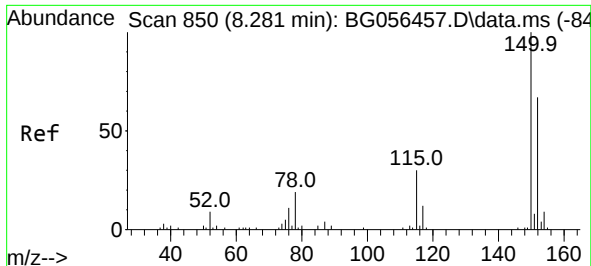
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.416	196	22114	7.069	ng	98
46) 1,1'-Biphenyl	13.734	154	69750	8.473	ng	98
47) 2-Chloronaphthalene	13.781	162	54109	8.409	ng	97
48) 2-Nitroaniline	13.981	65	9444	7.100	ng	94
49) Acenaphthylene	14.621	152	83695	7.995	ng	98
50) Dimethylphthalate	14.327	163	71126	7.746	ng	# 98
51) 2,6-Dinitrotoluene	14.462	165	14880	7.431	ng	99
52) Acenaphthene	14.956	154	49253	7.934	ng	98
53) 3-Nitroaniline	14.797	138	14447	7.442	ng	93
54) 2,4-Dinitrophenol	15.009	184	7502	5.976	ng	95
55) Dibenzofuran	15.285	168	90264	8.107	ng	95
56) 4-Nitrophenol	15.103	139	8548	6.444	ng	92
57) 2,4-Dinitrotoluene	15.244	165	20669	7.328	ng	97
58) Fluorene	15.937	166	70377	7.944	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.514	232	20423m	7.342	ng	
60) Diethylphthalate	15.679	149	66574	7.721	ng	98
61) 4-Chlorophenyl-phenyle...	15.914	204	42769	7.912	ng	98
62) 4-Nitroaniline	15.949	138	14665	7.550	ng	91
63) Azobenzene	16.207	77	48314	8.144	ng	94
65) 4,6-Dinitro-2-methylph...	16.013	198	12872	6.315	ng	94
66) n-Nitrosodiphenylamine	16.131	169	65054	7.925	ng	96
67) 4-Bromophenyl-phenylether	16.813	248	29142	7.851	ng	89
68) Hexachlorobenzene	16.936	284	29477	8.109	ng	97
69) Atrazine	17.059	200	28541	9.012	ng	95
70) Pentachlorophenol	17.288	266	12875m	5.853	ng	
71) Phenanthrene	17.676	178	120354	7.931	ng	99
72) Anthracene	17.764	178	124245	7.976	ng	99
73) Carbazole	18.029	167	105534	7.955	ng	100
74) Di-n-butylphthalate	18.558	149	106974	7.679	ng	99
75) Fluoranthene	19.668	202	156919	8.193	ng	99
77) Benzidine	19.838	184	79447	10.312	ng	98
78) Pyrene	20.026	202	158408	7.824	ng	99
80) Butylbenzylphthalate	20.884	149	44696	7.228	ng	95
81) Benzo(a)anthracene	21.901	228	159048	7.991	ng	99
82) 3,3'-Dichlorobenzidine	21.801	252	62859	8.770	ng	98
83) Chrysene	21.971	228	147035	7.863	ng	99
84) Bis(2-ethylhexyl)phtha...	21.760	149	65722	7.413	ng	97
85) Di-n-octyl phthalate	23.029	149	111214	7.533	ng	100
87) Indeno(1,2,3-cd)pyrene	29.274	276	174991	7.605	ng	# 66
88) Benzo(b)fluoranthene	24.245	252	163375	8.373	ng	99
89) Benzo(k)fluoranthene	24.321	252	161806	8.214	ng	98
90) Benzo(a)pyrene	25.173	252	143230	7.452	ng	97
91) Dibenzo(a,h)anthracene	29.321	278	153449	7.944	ng	99
92) Benzo(g,h,i)perylene	30.502	276	150947	8.099	ng	97

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

Manual Integrations

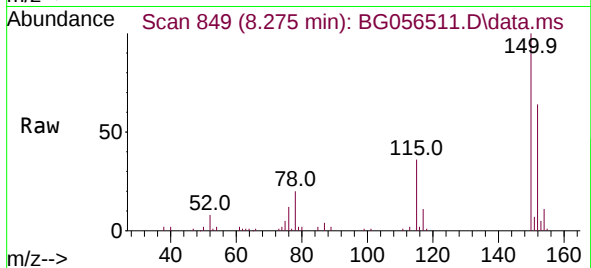
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.275 min Scan# 849
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

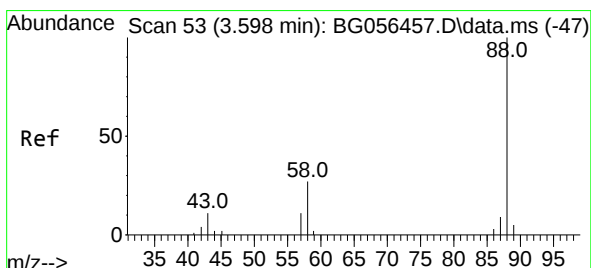
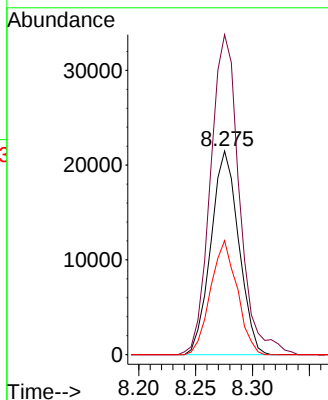
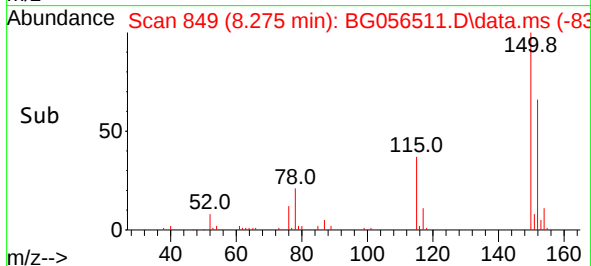
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:152 Resp: 36574
Ion Ratio Lower Upper
152 100
150 157.2 120.2 180.4
115 56.0 36.3 54.5

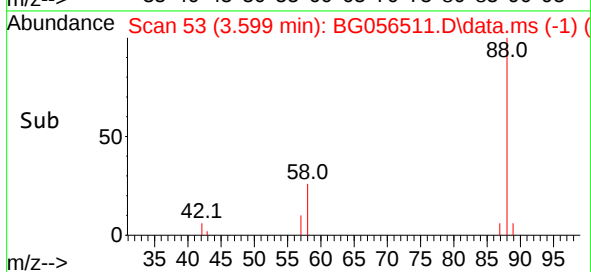
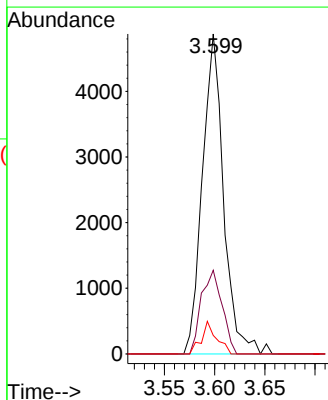
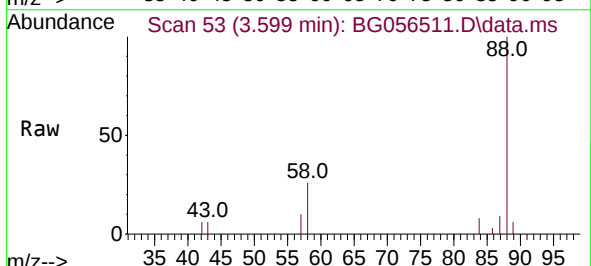
Manual Integrations
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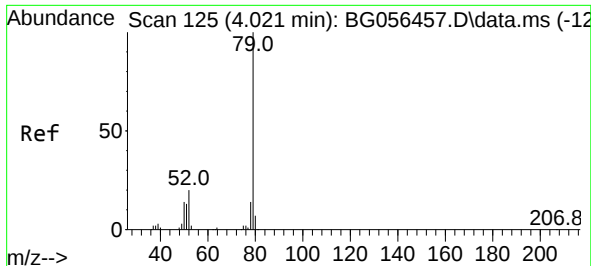
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#2
1,4-Dioxane
Concen: 8.639 ng
RT: 3.599 min Scan# 53
Delta R.T. -0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Tgt Ion: 88 Resp: 7152
Ion Ratio Lower Upper
88 100
58 25.6 23.0 34.4
43 7.2 8.0 12.0





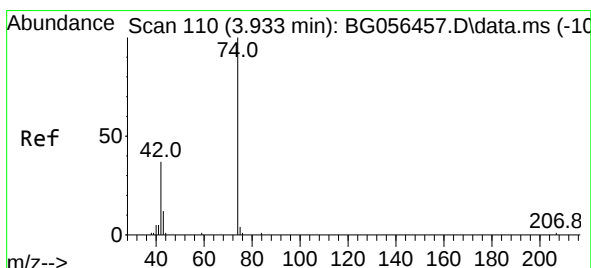
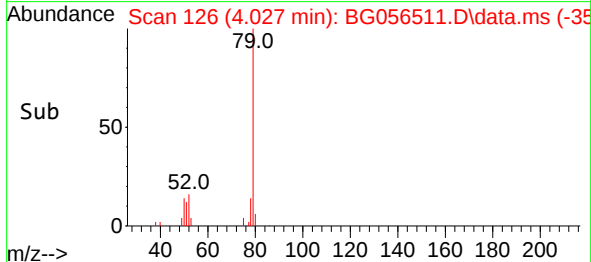
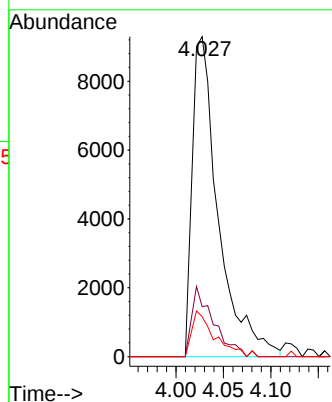
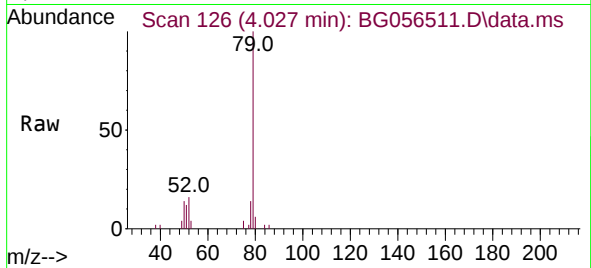
#3
Pyridine
Concen: 7.181 ng
RT: 4.027 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 79 Resp: 1772
Ion Ratio Lower Upper
79 100
52 15.6 16.1 24.1
51 12.5 10.7 16.1

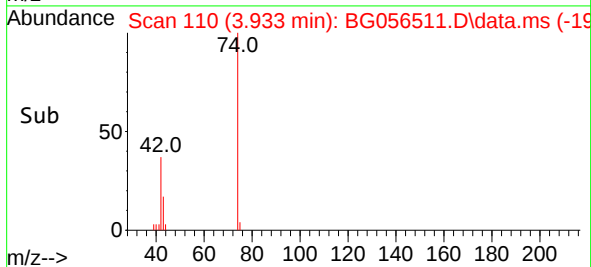
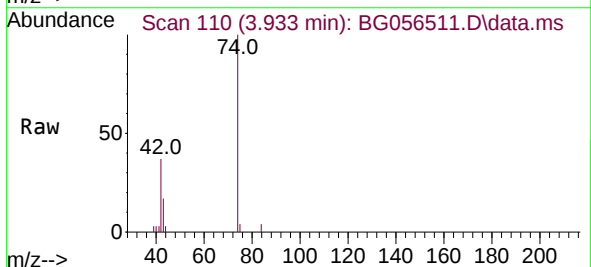
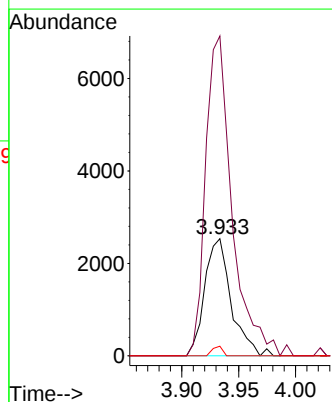
Manual Integrations
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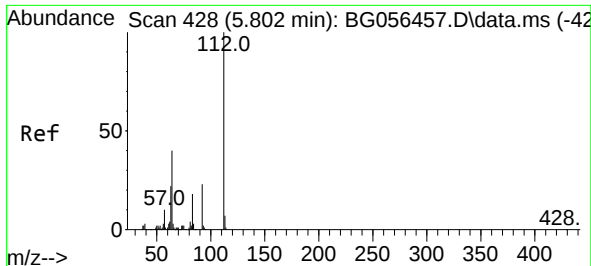
Reviewed By :Christian Giraldo 02/03/2023
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#4
n-Nitrosodimethylamine
Concen: 7.830 ng
RT: 3.933 min Scan# 110
Delta R.T. 0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

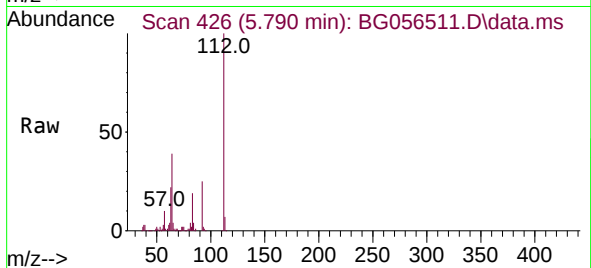
Tgt Ion: 42 Resp: 4109
Ion Ratio Lower Upper
42 100
74 272.9 217.9 326.9
44 8.3 3.0 4.6





#5
2-Fluorophenol
Concen: 108.207 ng
RT: 5.790 min Scan# 41
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

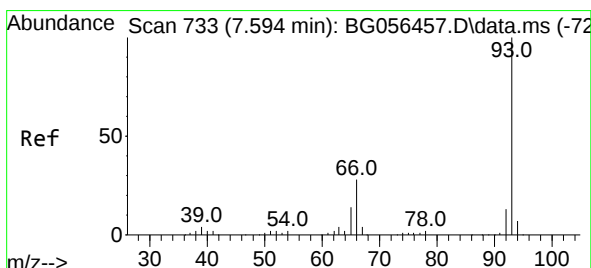
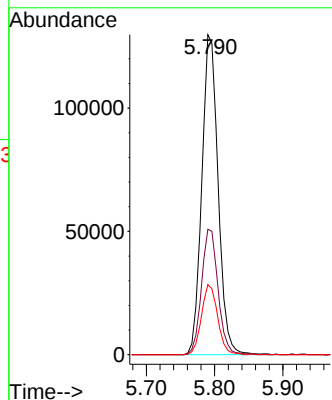
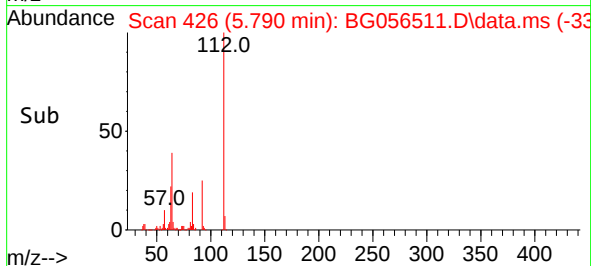
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion: 112 Resp: 215134
Ion Ratio Lower Upper
112 100
64 39.2 31.9 47.9
63 21.9 17.4 26.0

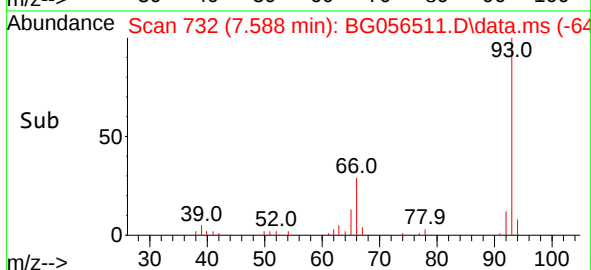
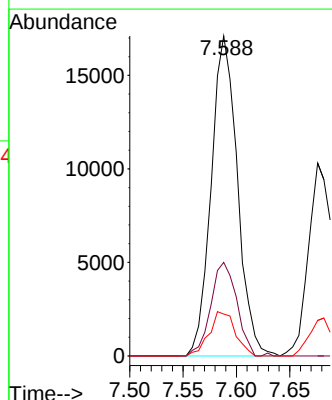
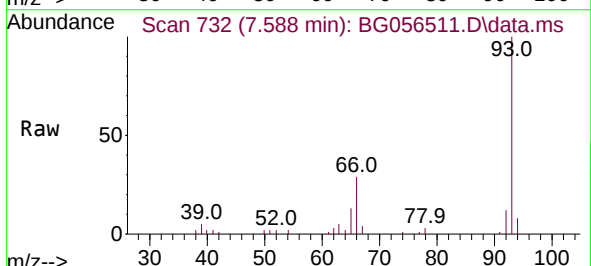
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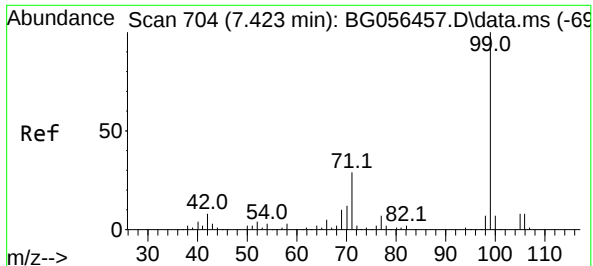
Reviewed By :Christian Giraldo 02/03/2023
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#6
Aniline
Concen: 7.593 ng
RT: 7.588 min Scan# 732
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Tgt Ion: 93 Resp: 29284
Ion Ratio Lower Upper
93 100
66 29.2 22.2 33.2
65 13.1 11.3 16.9





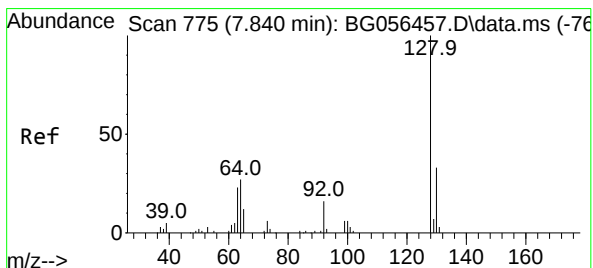
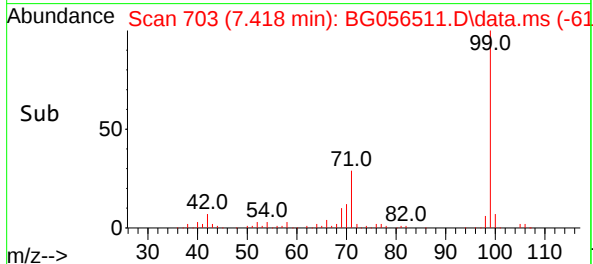
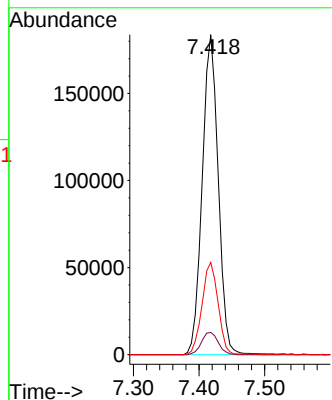
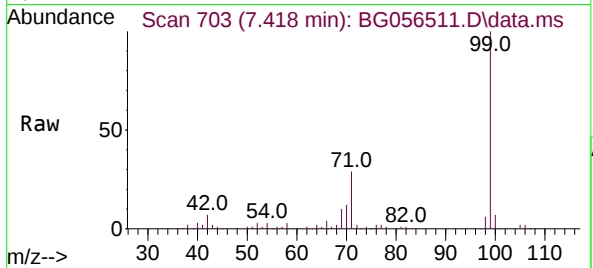
#7
Phenol-d6
Concen: 105.174 ng
RT: 7.418 min Scan# 704
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 99 Resp: 309824
Ion Ratio Lower Upper
99 100
42 6.9 6.6 10.0
71 28.8 23.4 35.0

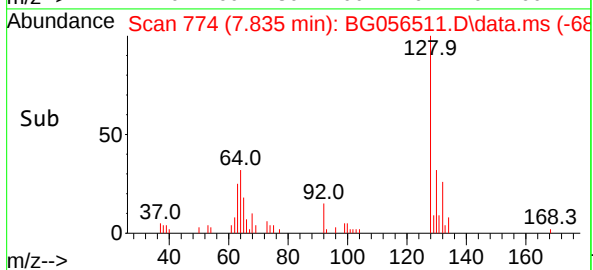
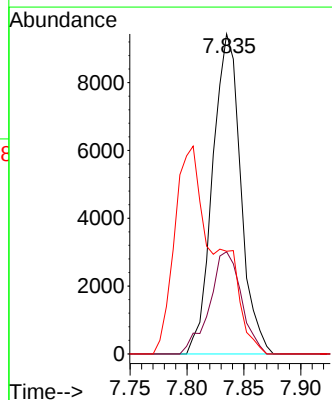
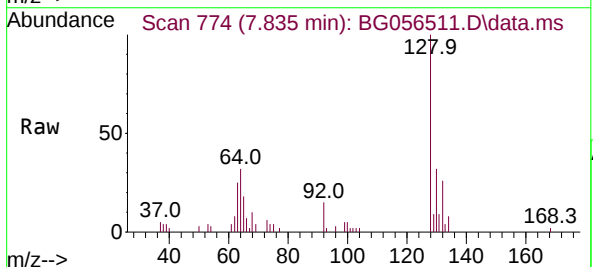
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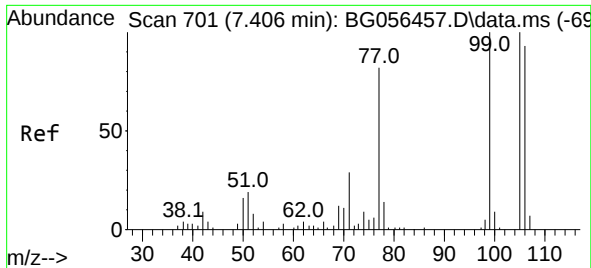
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#8
2-Chlorophenol
Concen: 7.425 ng
RT: 7.835 min Scan# 774
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Tgt Ion:128 Resp: 16217
Ion Ratio Lower Upper
128 100
130 31.9 12.8 52.8
64 32.1 11.3 51.3





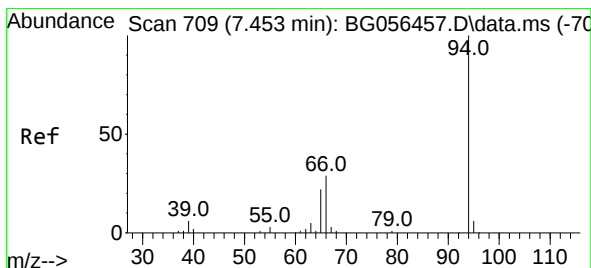
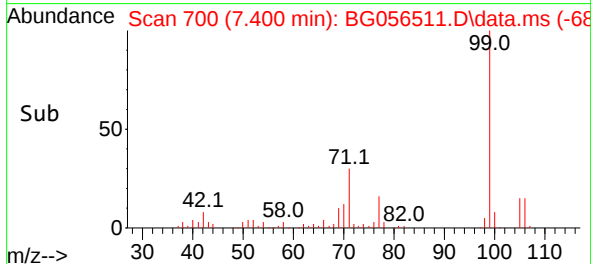
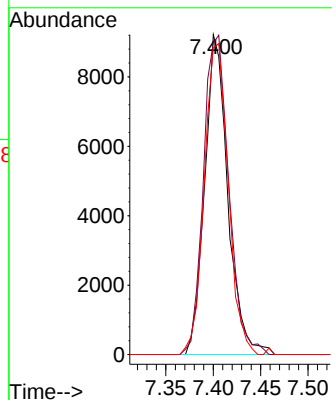
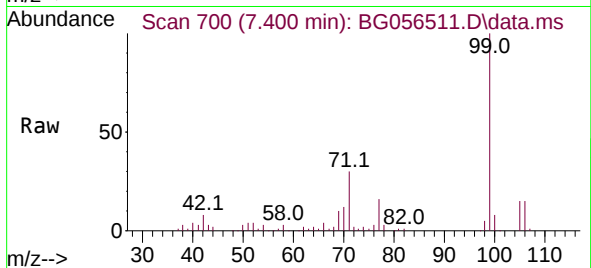
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Benzaldehyde
Concen: 9.111 ng
RT: 7.400 min Scan# 701
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 77 Resp: 15689
Ion Ratio Lower Upper
77 100
105 97.4 101.8 141.8
106 95.9 93.0 133.0

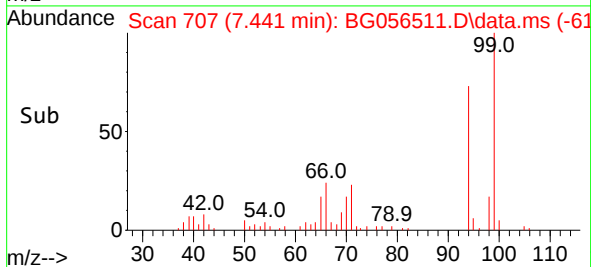
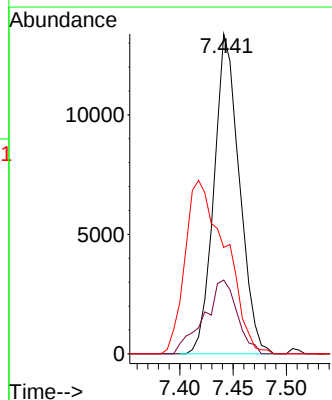
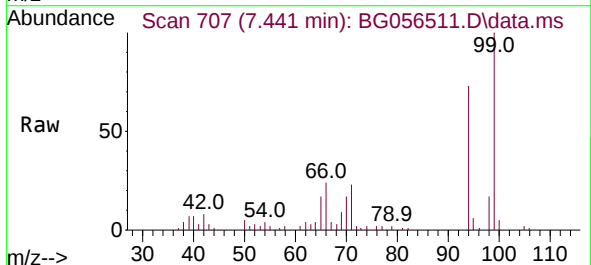
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#10
Phenol
Concen: 7.410 ng
RT: 7.441 min Scan# 707
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Tgt Ion: 94 Resp: 22185
Ion Ratio Lower Upper
94 100
65 23.1 2.3 42.3
66 33.3 11.2 51.2





#11

bis(2-Chloroethyl)ether

Concen: 7.921 ng

RT: 7.676 min Scan# 74

Delta R.T. -0.006 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

Instrument :

BNA_G

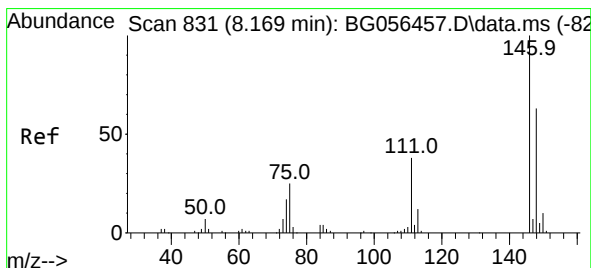
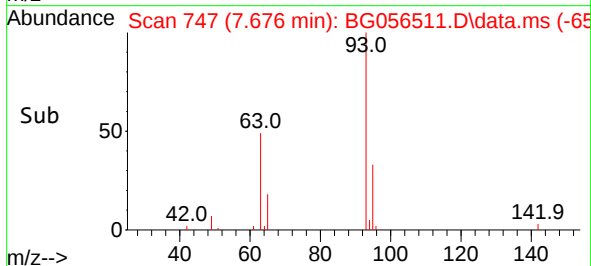
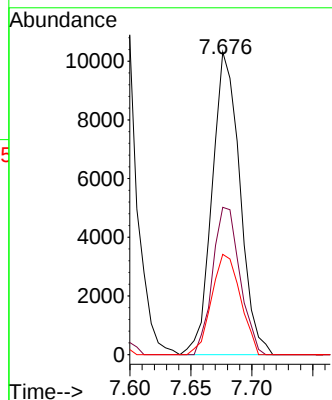
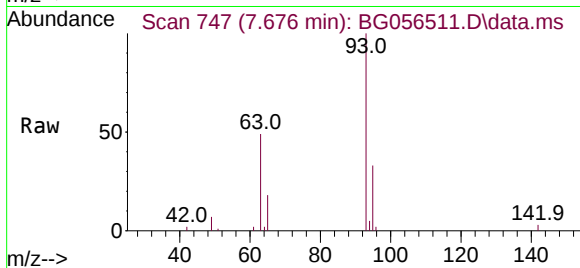
ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion: 93	Resp: 16302
Ion Ratio	Lower Upper
93 100	
63 48.7	32.4 72.4
95 33.1	11.8 51.8

Manual Integrations
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Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#12

1,3-Dichlorobenzene

Concen: 8.500 ng

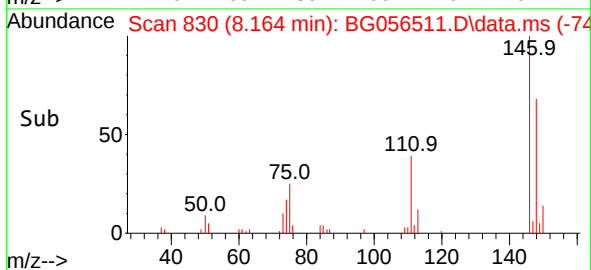
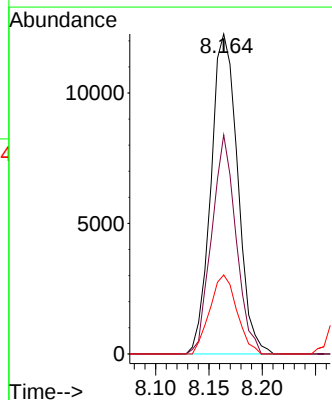
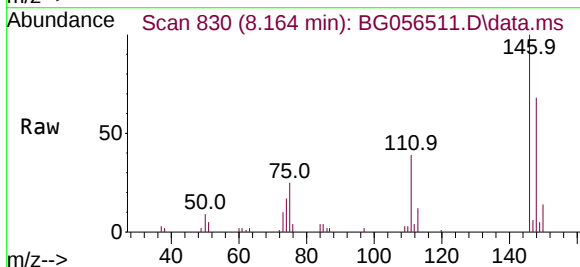
RT: 8.164 min Scan# 830

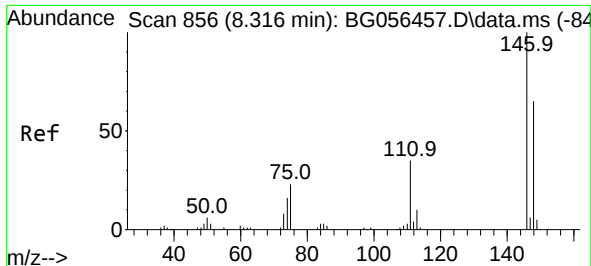
Delta R.T. 0.000 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

Tgt Ion:146	Resp: 21375
Ion Ratio	Lower Upper
146 100	
148 68.4	50.6 75.8
75 24.7	19.6 29.4





#13

1,4-Dichlorobenzene

Concen: 8.463 ng

RT: 8.311 min Scan# 81

Delta R.T. -0.000 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

Instrument :

BNA_G

ClientSampleId :

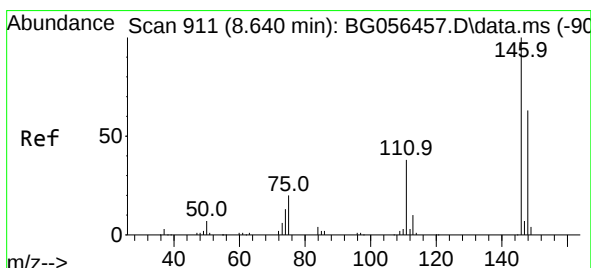
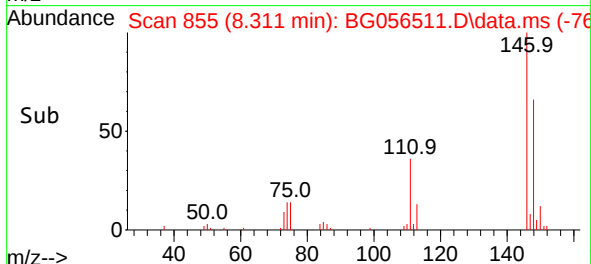
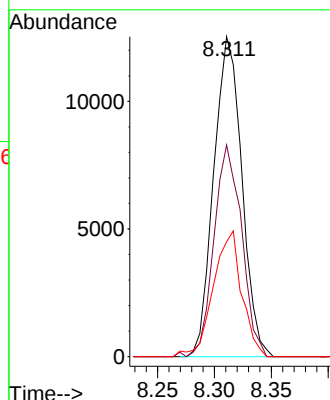
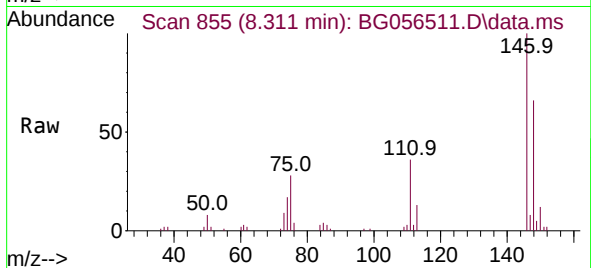
MDL-SOIL-03-QT4-2022

Tgt Ion:146 Resp: 2155
 Ion Ratio Lower Upper
 146 100
 148 66.1 51.8 77.6
 111 35.9 28.6 42.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023



#14

1,2-Dichlorobenzene

Concen: 8.278 ng

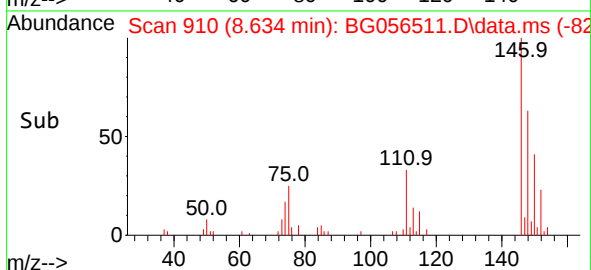
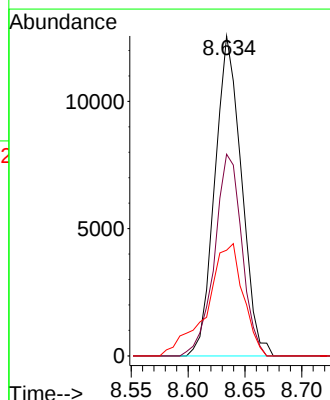
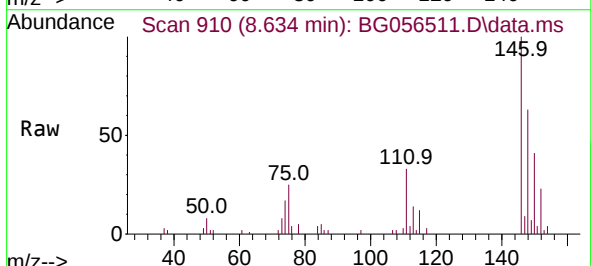
RT: 8.634 min Scan# 910

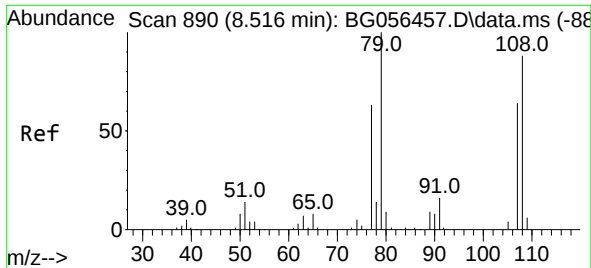
Delta R.T. 0.000 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

Tgt Ion:146 Resp: 20454
 Ion Ratio Lower Upper
 146 100
 148 63.0 50.1 75.1
 111 33.0 30.9 46.3





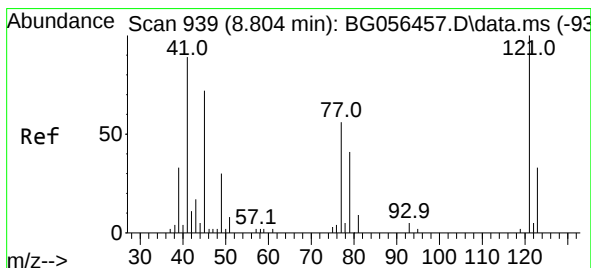
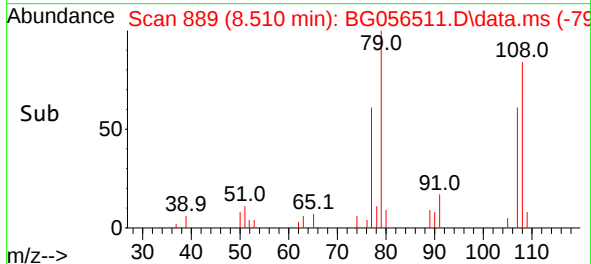
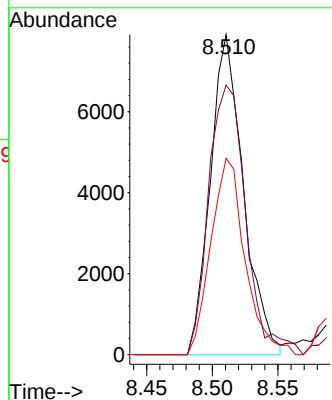
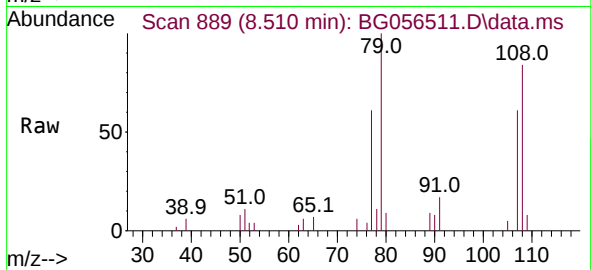
#15
Benzyl Alcohol
Concen: 6.865 ng
RT: 8.510 min Scan# 890
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 79 Resp: 13875
Ion Ratio Lower Upper
79 100
108 84.2 70.1 105.1
77 61.3 50.3 75.5

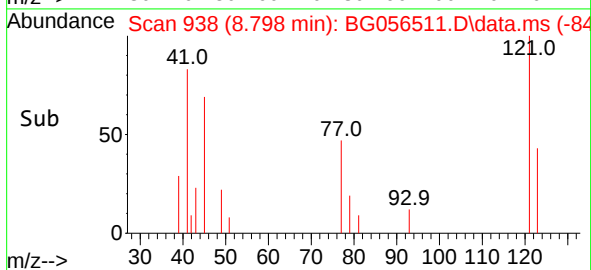
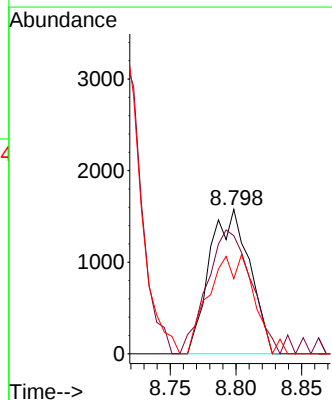
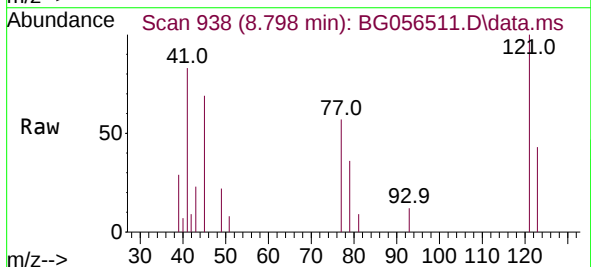
Manual Integrations
APPROVED

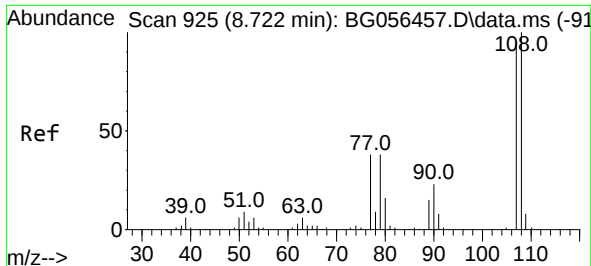
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.680 ng
RT: 8.798 min Scan# 938
Delta R.T. 0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

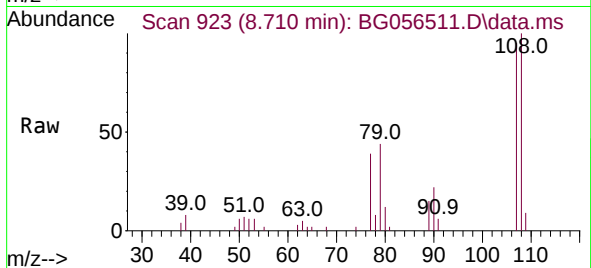
Tgt Ion: 45 Resp: 3349
Ion Ratio Lower Upper
45 100
77 81.7 62.1 102.1
79 52.0 42.7 82.7





#17
2-Methylphenol
Concen: 6.920 ng
RT: 8.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

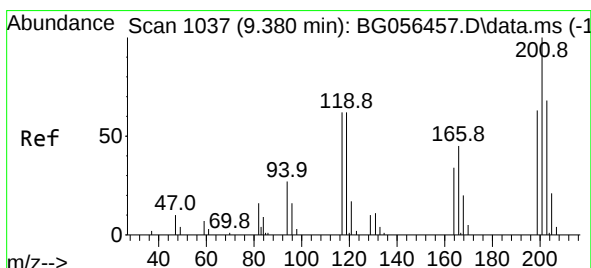
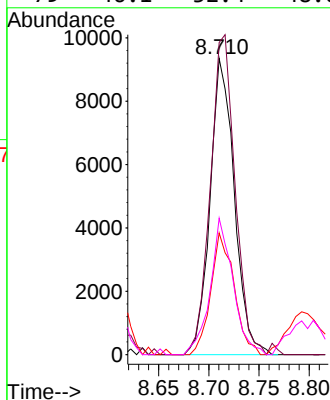
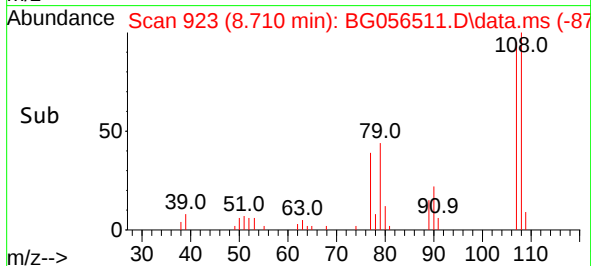
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



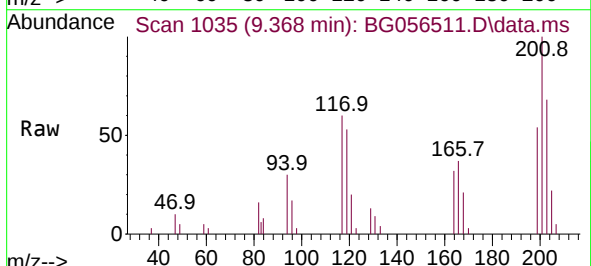
Tgt Ion:107 Resp: 15763
Ion Ratio Lower Upper
107 100
108 105.4 83.9 125.9
77 41.1 31.6 47.4
79 46.1 32.4 48.6

Manual Integrations
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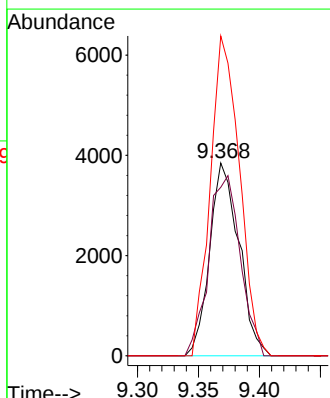
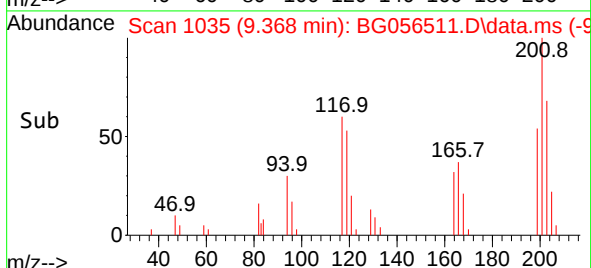
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

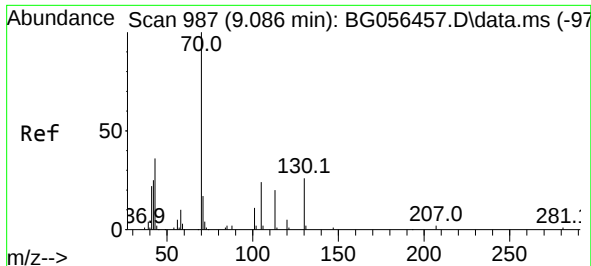


#18
Hexachloroethane
Concen: 8.358 ng
RT: 9.368 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38



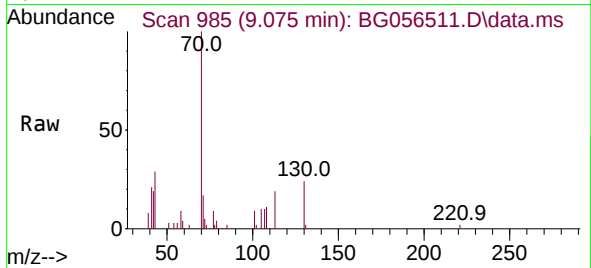
Tgt Ion:117 Resp: 6438
Ion Ratio Lower Upper
117 100
119 87.4 79.4 119.0
201 165.9 128.5 192.7





#19
n-Nitroso-di-n-propylamine
Concen: 7.670 ng
RT: 9.075 min Scan# 985
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

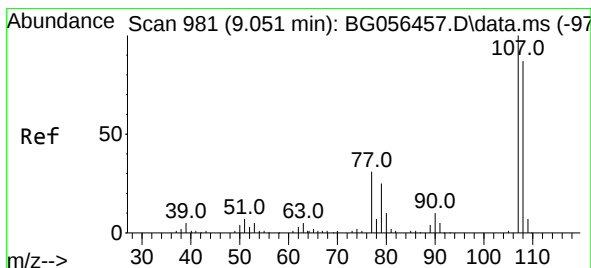
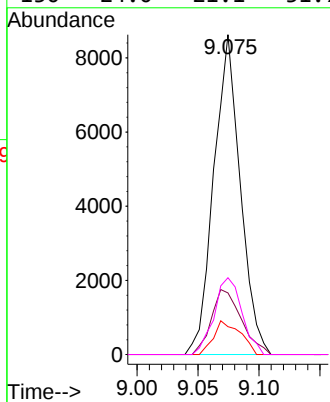
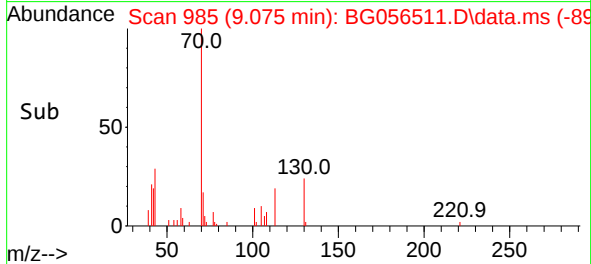
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



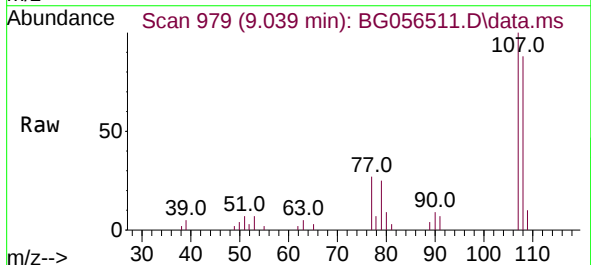
Tgt Ion: 70 Resp: 13020
Ion Ratio Lower Upper
70 100
42 19.3 20.2 30.4
101 8.7 9.1 13.7
130 24.0 21.1 31.7

Manual Integrations
APPROVED

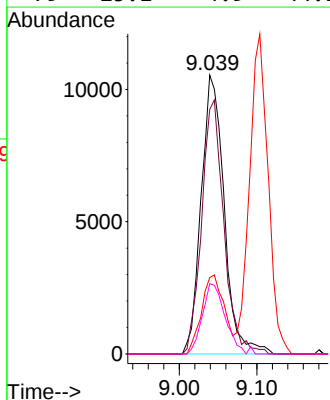
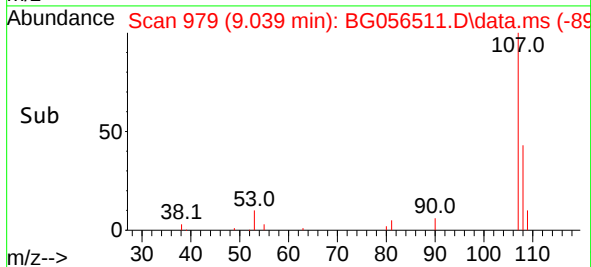
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

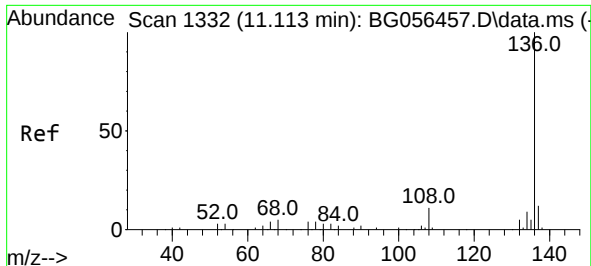


#20
3+4-Methylphenols
Concen: 6.791 ng
RT: 9.039 min Scan# 979
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38



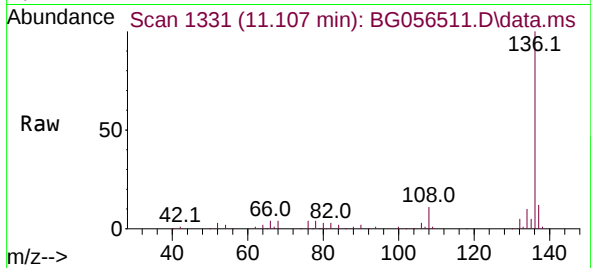
Tgt Ion:107 Resp: 21678
Ion Ratio Lower Upper
107 100
108 87.7 66.7 106.7
77 27.3 10.6 50.6
79 25.1 4.9 44.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.107 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

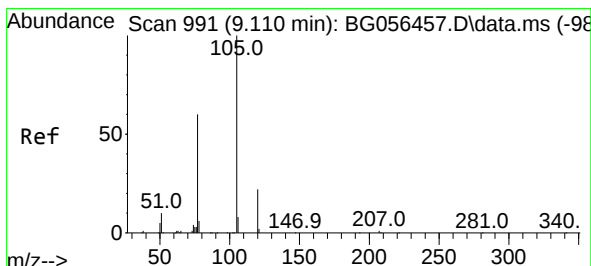
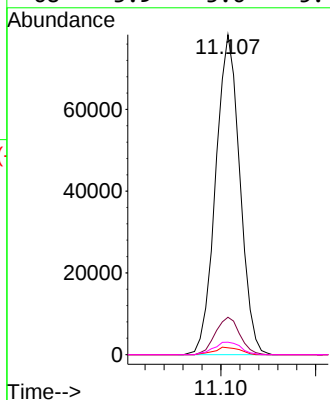
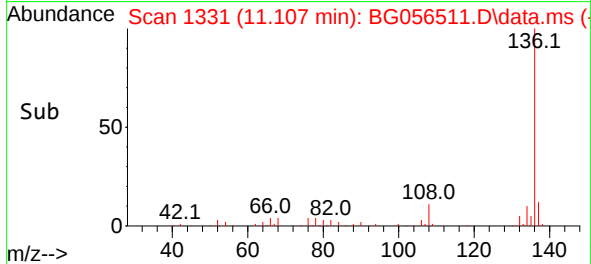
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:136 Resp: 138607
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.0
54 2.1 2.2 3.4
68 3.9 3.6 5.4

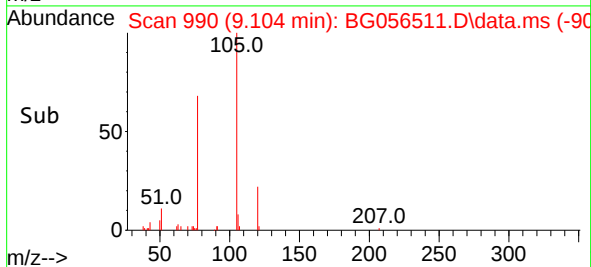
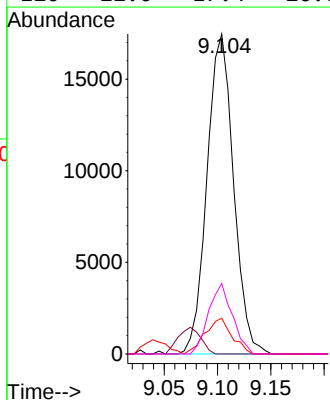
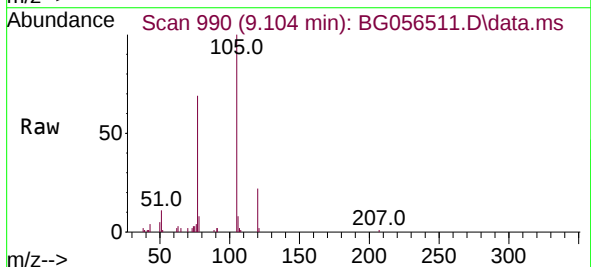
Manual Integrations
APPROVED

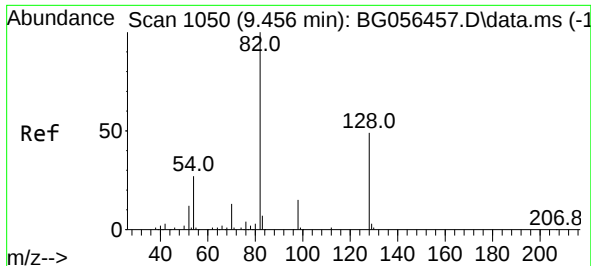
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#22
Acetophenone
Concen: 8.236 ng
RT: 9.104 min Scan# 990
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

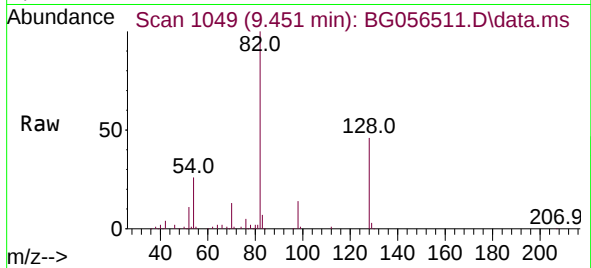
Tgt Ion:105 Resp: 30333
Ion Ratio Lower Upper
105 100
71 0.0 0.6 0.8
51 11.1 9.2 13.8
120 22.0 17.4 26.0





#23
Nitrobenzene-d5
Concen: 83.662 ng
RT: 9.451 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

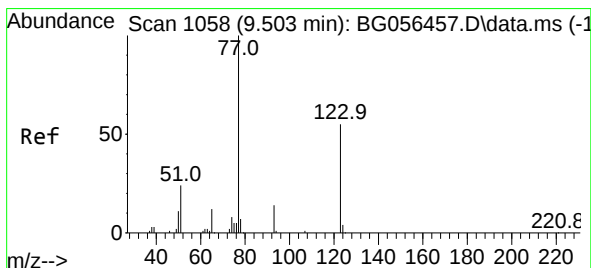
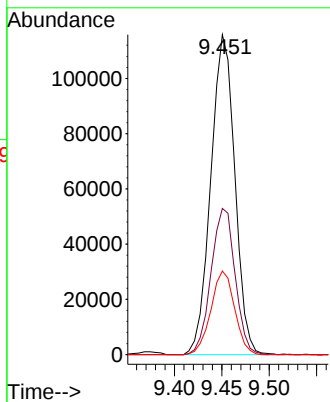
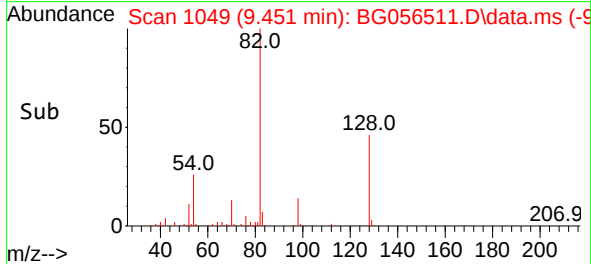
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion: 82 Resp: 20421
Ion Ratio Lower Upper
82 100
128 45.7 39.4 59.2
54 26.1 21.4 32.2

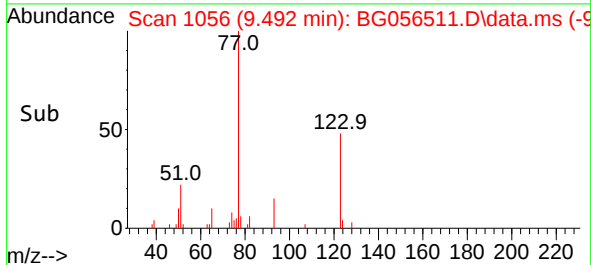
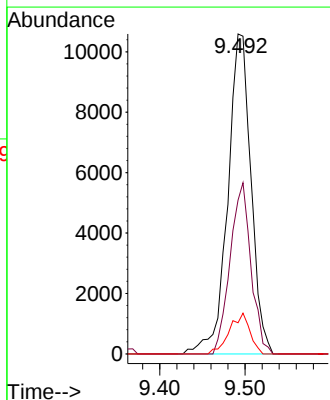
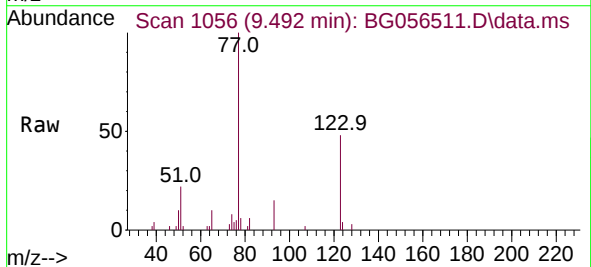
Manual Integrations
APPROVED

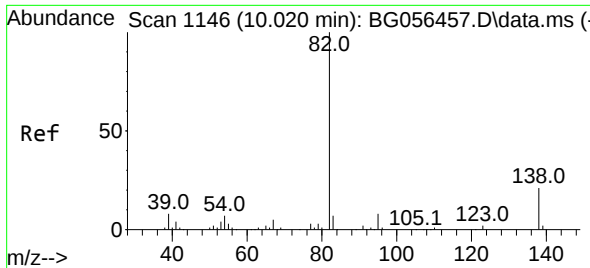
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#24
Nitrobenzene
Concen: 8.504 ng
RT: 9.492 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Tgt Ion: 77 Resp: 20021
Ion Ratio Lower Upper
77 100
123 48.0 44.0 66.0
65 9.7 9.7 14.5





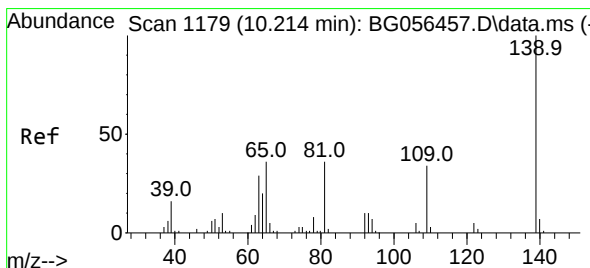
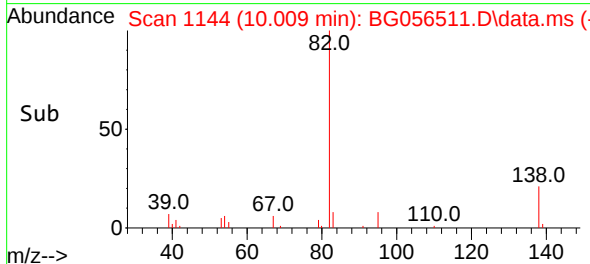
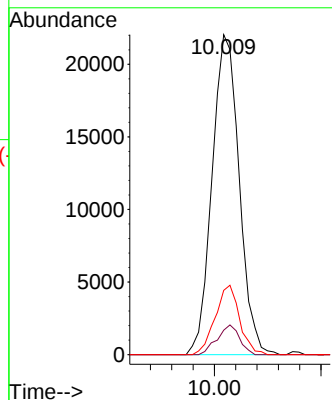
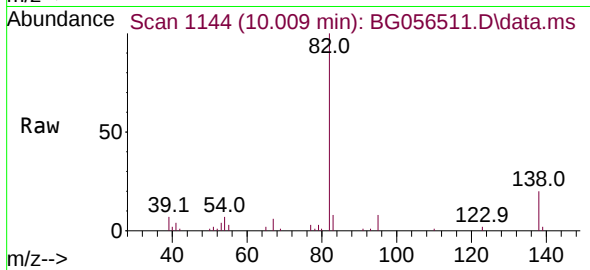
#25
Isophorone
Concen: 7.737 ng
RT: 10.009 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 82 Resp: 38963
Ion Ratio Lower Upper
82 100
95 7.6 6.3 9.5
138 20.1 16.6 25.0

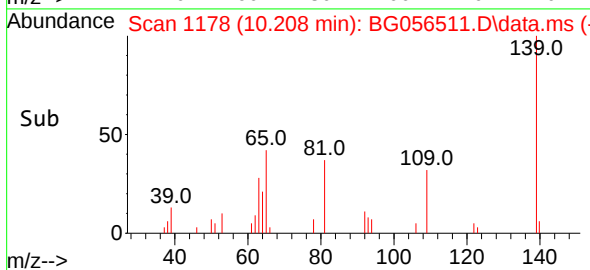
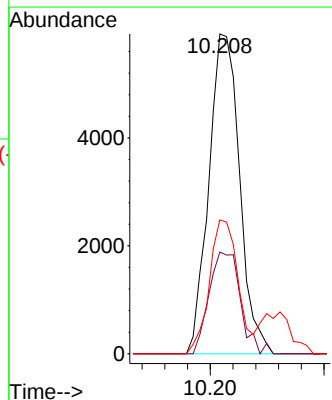
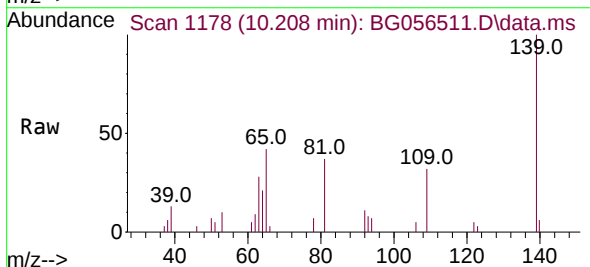
Manual Integrations
APPROVED

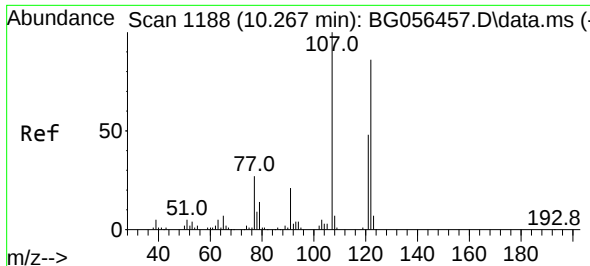
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#26
2-Nitrophenol
Concen: 7.788 ng
RT: 10.208 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Tgt Ion:139 Resp: 11125
Ion Ratio Lower Upper
139 100
109 31.8 26.9 40.3
65 41.9 29.0 43.4





#27

2,4-Dimethylphenol

Concen: 6.775 ng

RT: 10.255 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BG056511.D

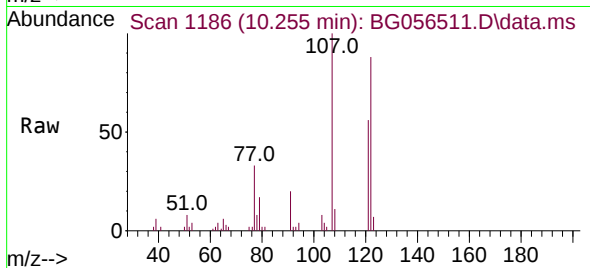
Acq: 2 Feb 2023 12:38

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

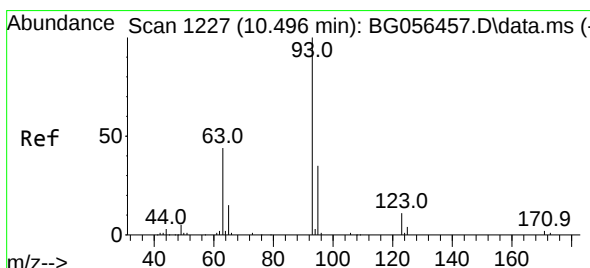
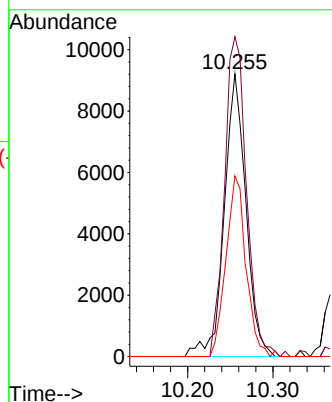
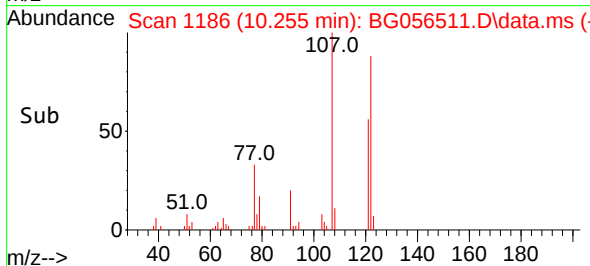


Tgt Ion:	122	Resp:	16196
Ion Ratio	Lower	Upper	
122	100		
107	113.2	92.9	139.3
121	63.9	45.0	67.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#28

bis(2-Chloroethoxy)methane

Concen: 8.135 ng

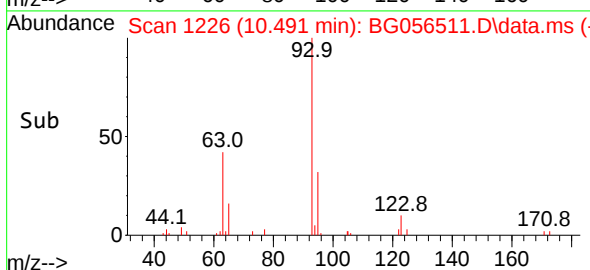
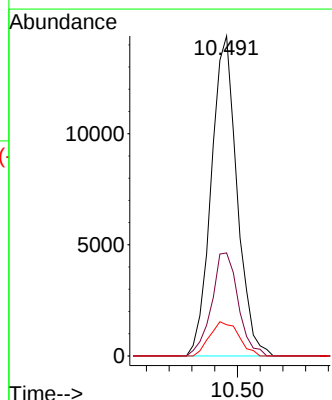
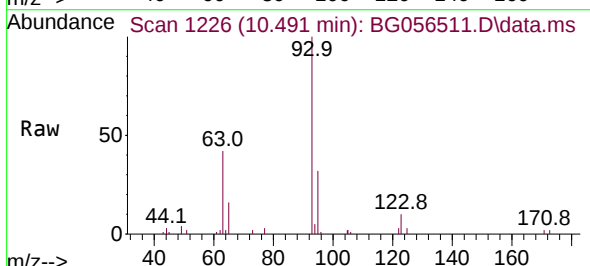
RT: 10.491 min Scan# 1226

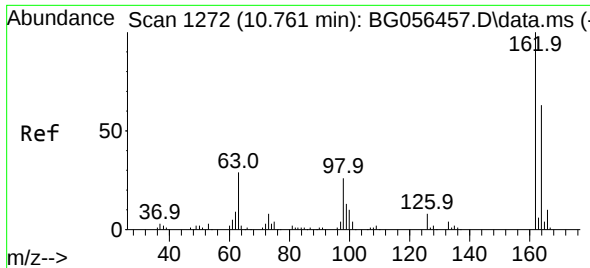
Delta R.T. 0.000 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

Tgt Ion:	93	Resp:	22630
Ion Ratio	Lower	Upper	
93	100		
95	32.2	27.9	41.9
123	9.7	8.6	12.8





#29

2,4-Dichlorophenol

Concen: 7.647 ng

RT: 10.755 min Scan# 1271

Delta R.T. -0.000 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

Instrument :

BNA_G

ClientSampleId :

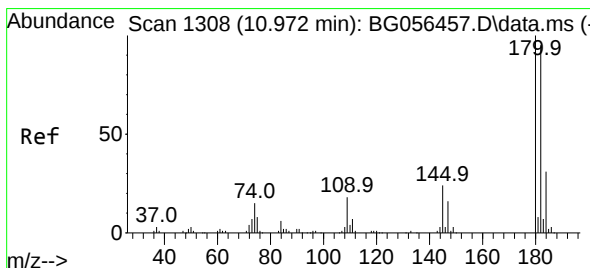
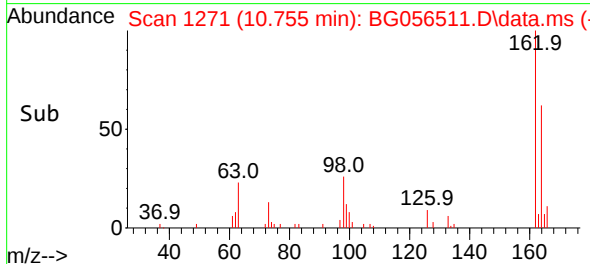
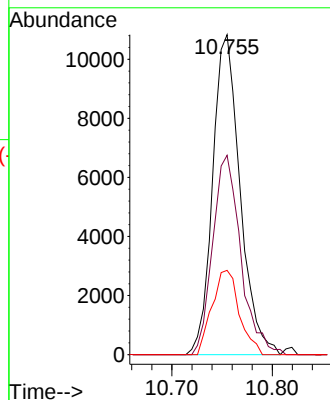
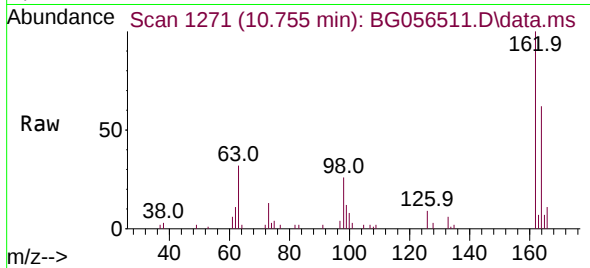
MDL-SOIL-03-QT4-2022

Tgt Ion:	162	Resp:	20578
Ion Ratio	Lower	Upper	
162	100		
164	62.3	42.8	82.8
98	26.3	6.5	46.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#30

1,2,4-Trichlorobenzene

Concen: 8.426 ng

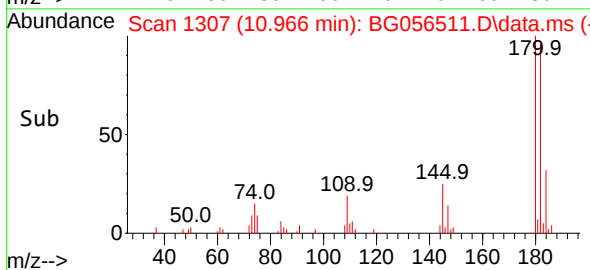
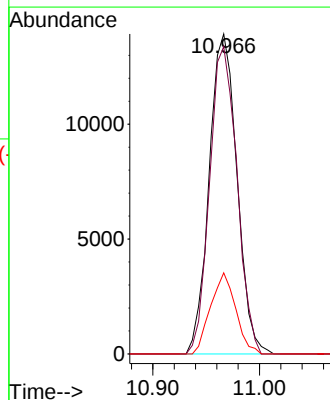
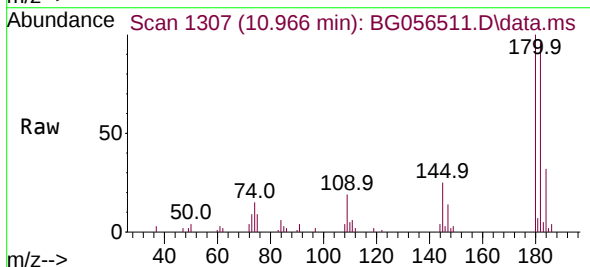
RT: 10.966 min Scan# 1307

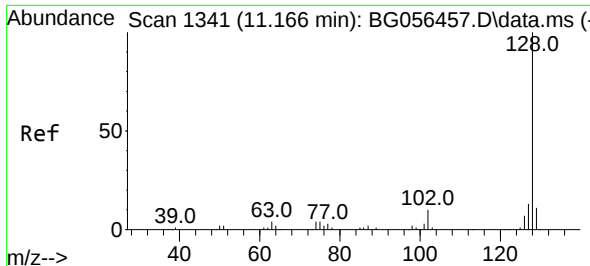
Delta R.T. 0.000 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

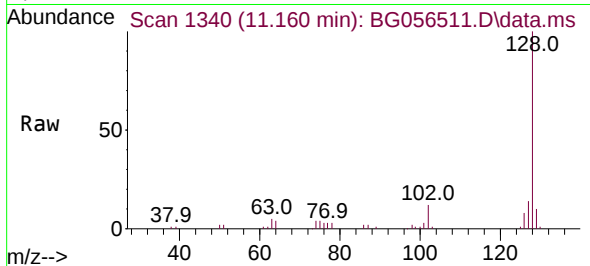
Tgt Ion:	180	Resp:	25198
Ion Ratio	Lower	Upper	
180	100		
182	96.0	75.9	113.9
145	25.3	19.4	29.0





#31
Naphthalene
Concen: 8.041 ng
RT: 11.160 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

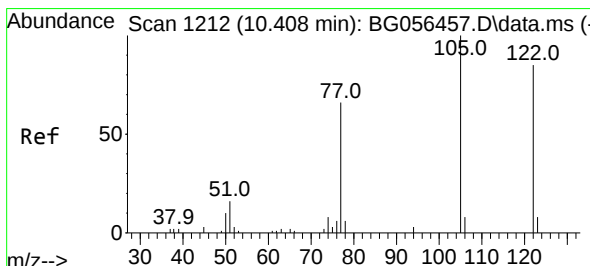
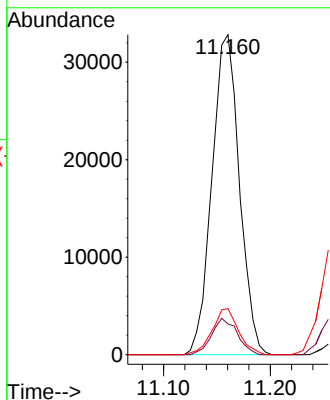
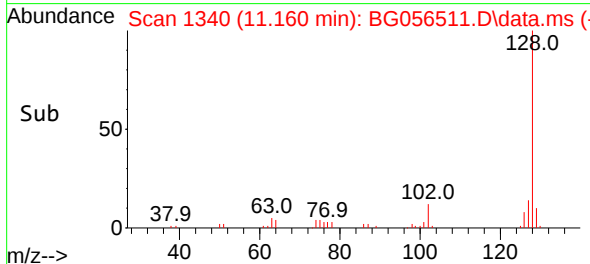
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



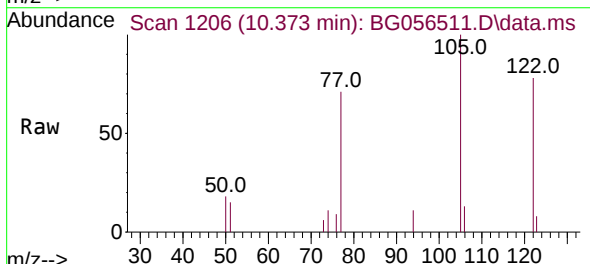
Tgt Ion:128 Resp: 58823
Ion Ratio Lower Upper
128 100
129 9.6 8.7 13.1
127 14.4 10.4 15.6

Manual Integrations
APPROVED

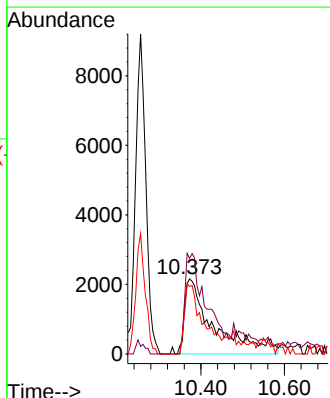
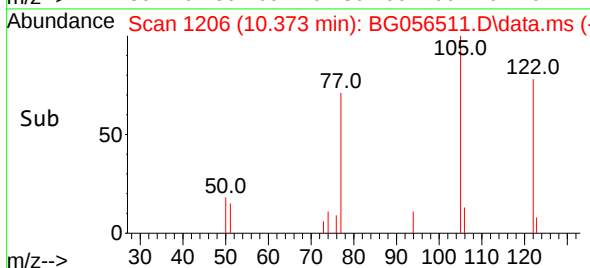
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

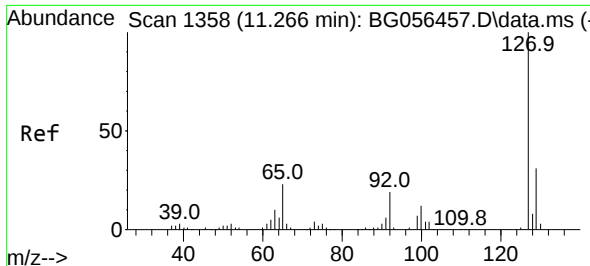


#32
Benzoic acid
Concen: 7.787 ng m
RT: 10.373 min Scan# 1206
Delta R.T. -0.029 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38



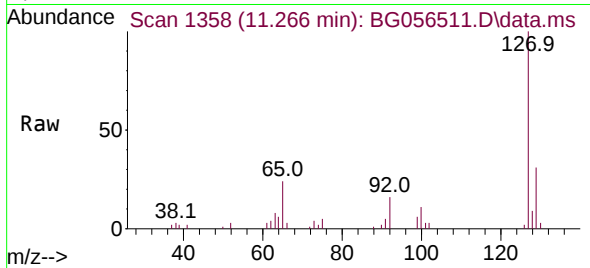
Tgt Ion:122 Resp: 10415
Ion Ratio Lower Upper
122 100
105 127.7 96.5 136.5
77 90.1 57.3 97.3





#33
4-Chloroaniline
Concen: 7.374 ng
RT: 11.266 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

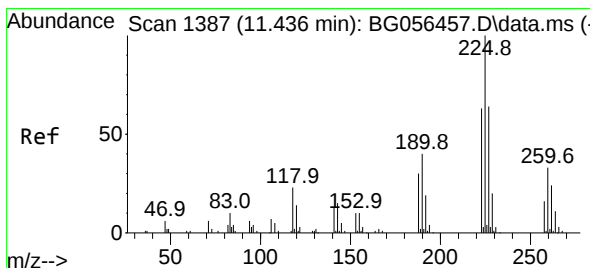
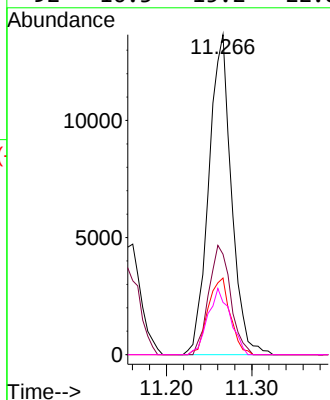
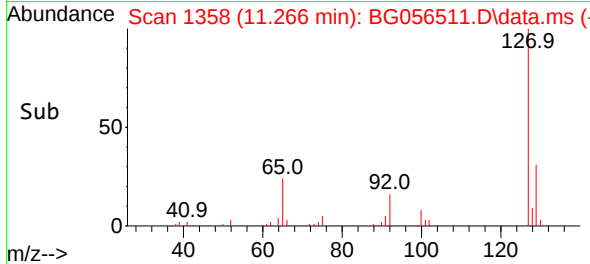
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



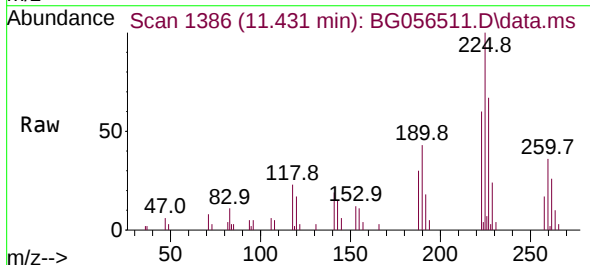
Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.0	37.6
65	23.9	18.5	27.7
92	16.3	15.2	22.8

Manual Integrations
APPROVED

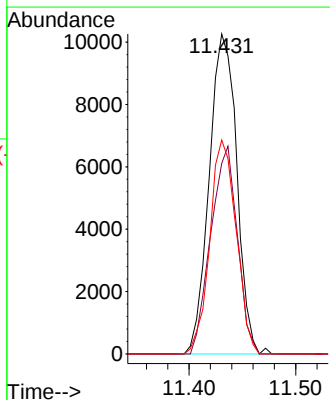
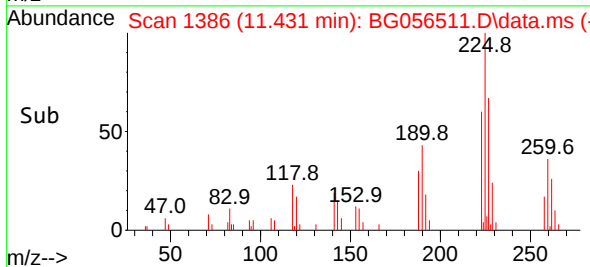
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

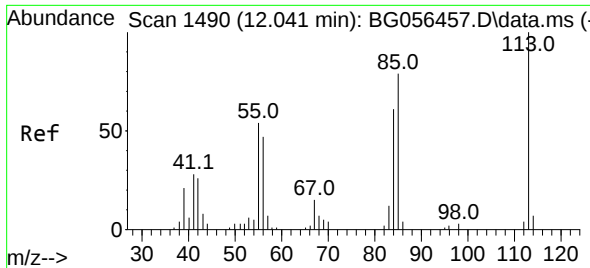


#34
Hexachlorobutadiene
Concen: 8.782 ng
RT: 11.431 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38



Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.5	50.6	75.8
227	66.8	53.7	80.5





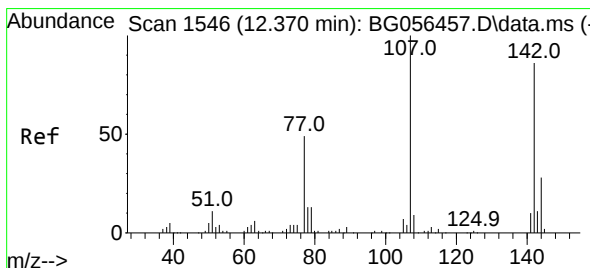
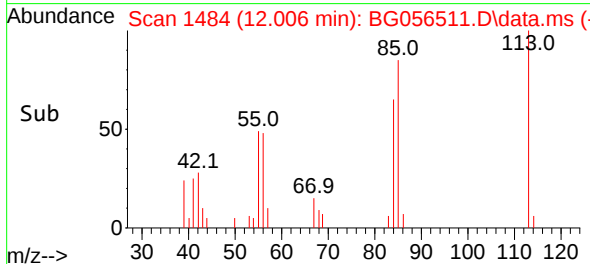
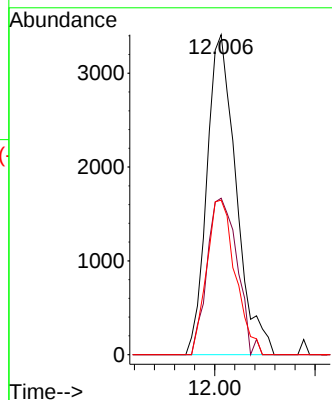
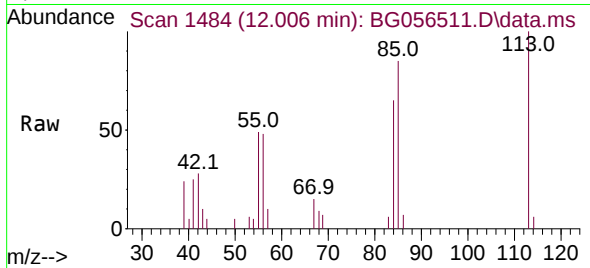
#35
Caprolactam
Concen: 7.604 ng
RT: 12.006 min Scan# 1490
Delta R.T. -0.024 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:113 Resp: 6901
Ion Ratio Lower Upper
113 100
55 48.9 33.7 73.7
56 48.3 27.1 67.1

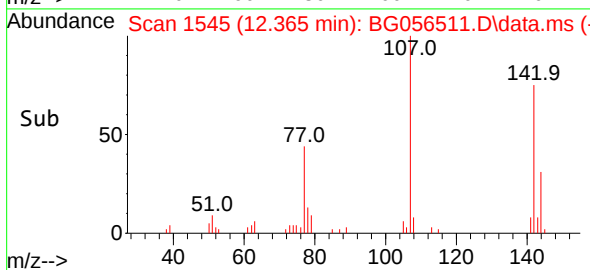
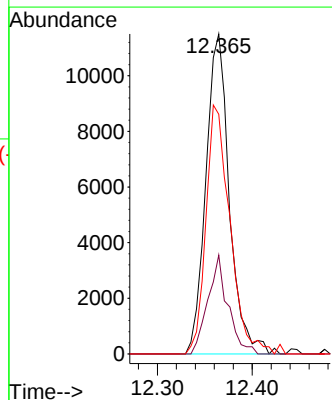
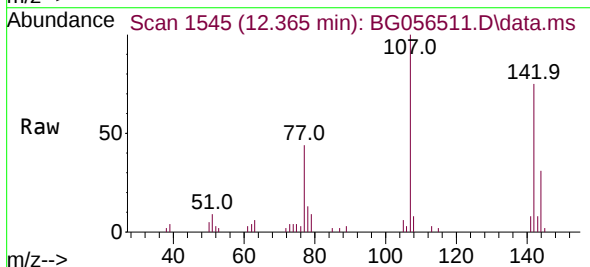
Manual Integrations
APPROVED

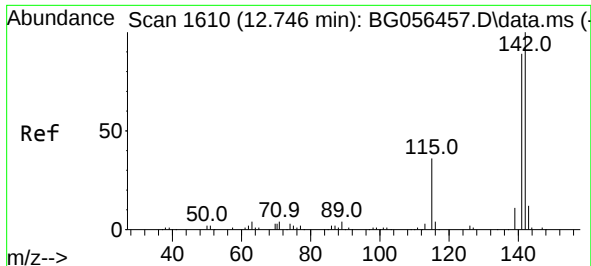
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#36
4-Chloro-3-methylphenol
Concen: 7.632 ng
RT: 12.365 min Scan# 1545
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Tgt Ion:107 Resp: 19834
Ion Ratio Lower Upper
107 100
144 30.9 22.3 33.5
142 74.9 68.9 103.3





#37

2-Methylnaphthalene

Concen: 7.640 ng

RT: 12.741 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

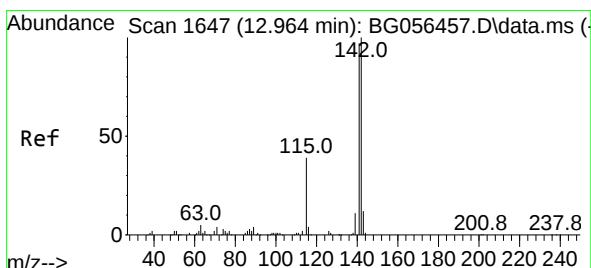
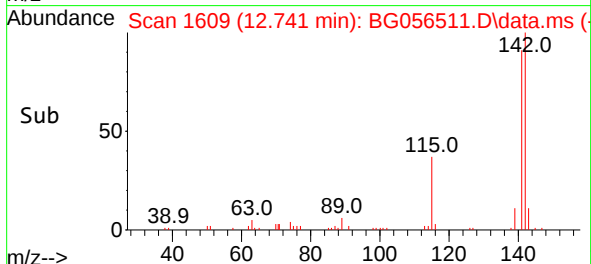
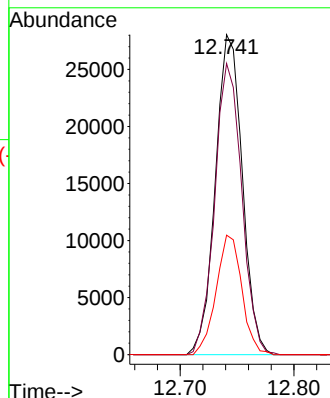
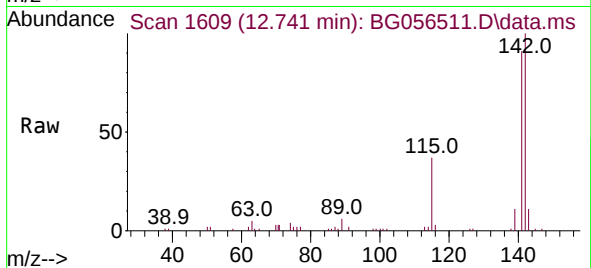
Tgt Ion:142 Resp: 46076

Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.4	107.0
115	37.3	28.4	42.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#38

1-Methylnaphthalene

Concen: 7.895 ng

RT: 12.958 min Scan# 1646

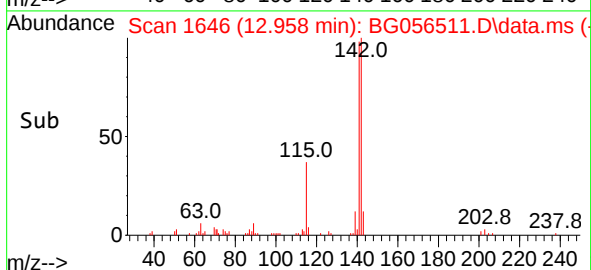
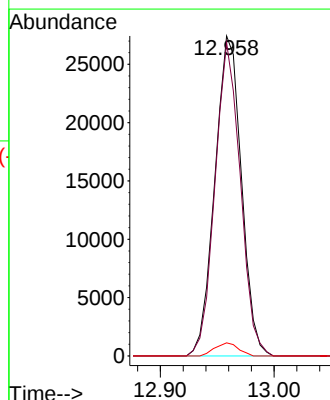
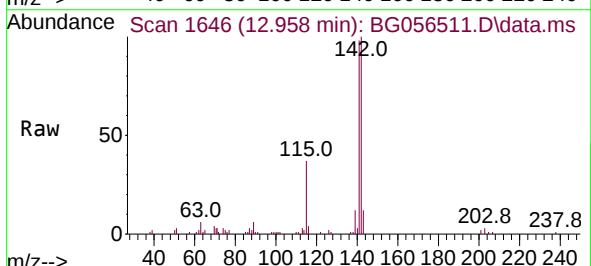
Delta R.T. -0.006 min

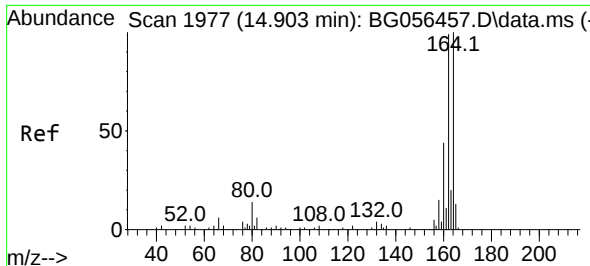
Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

Tgt Ion:142 Resp: 44472

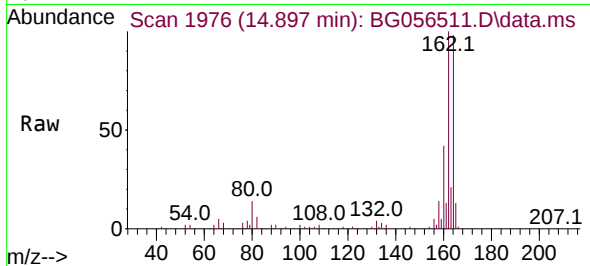
Ion	Ratio	Lower	Upper
142	100		
141	97.9	77.7	116.5
116	4.1	3.4	5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.897 min Scan# 1977
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

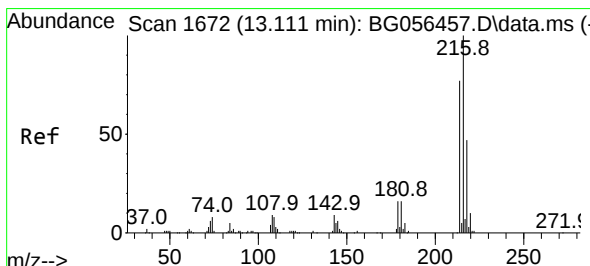
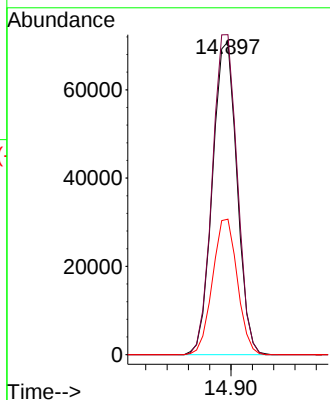
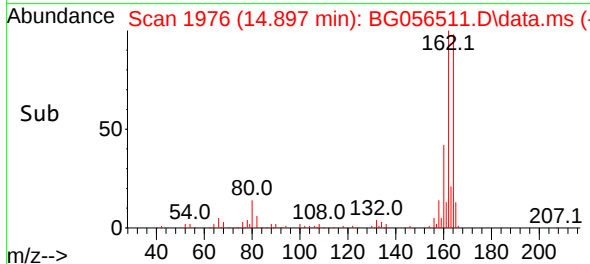
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



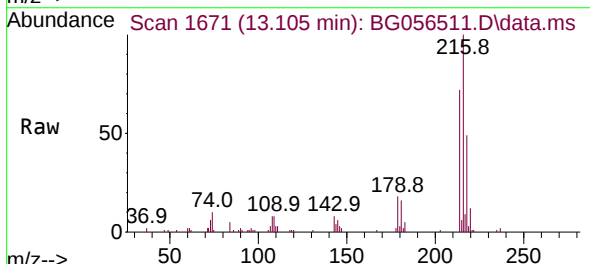
Tgt Ion:164 Resp: 113497
Ion Ratio Lower Upper
164 100
162 102.3 79.6 119.4
160 43.3 34.9 52.3

Manual Integrations
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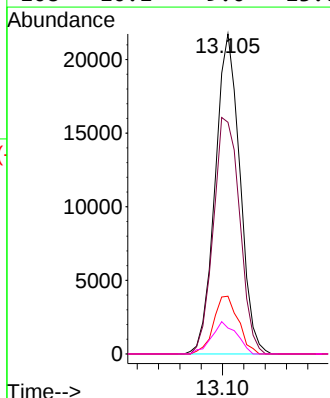
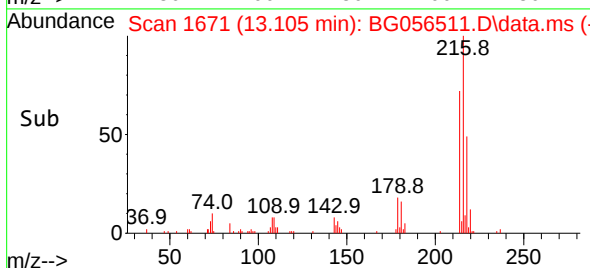
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

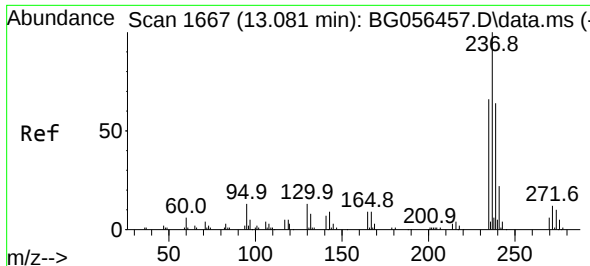


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.437 ng
RT: 13.105 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38



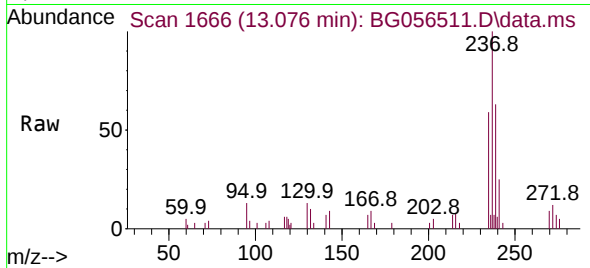
Tgt Ion:216 Resp: 34983
Ion Ratio Lower Upper
216 100
214 78.6 63.0 94.6
179 18.1 14.1 21.1
108 10.1 9.0 13.6





#41
Hexachlorocyclopentadiene
Concen: 10.523 ng
RT: 13.076 min Scan# 1666
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

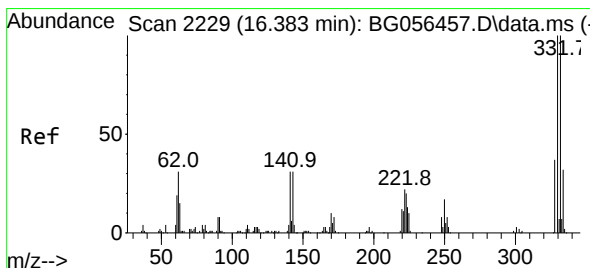
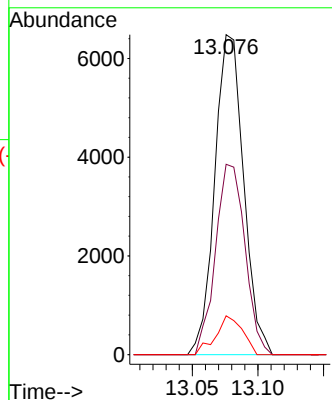
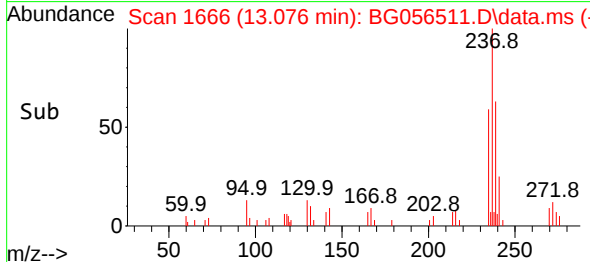
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:237 Resp: 9915
Ion Ratio Lower Upper
237 100
235 59.5 45.6 85.6
272 12.2 0.0 32.3

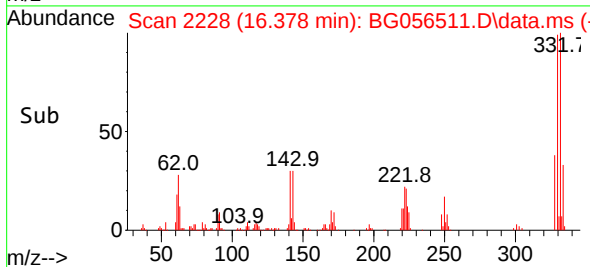
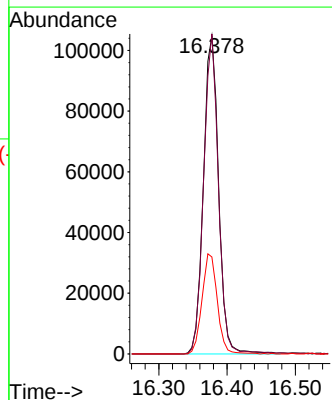
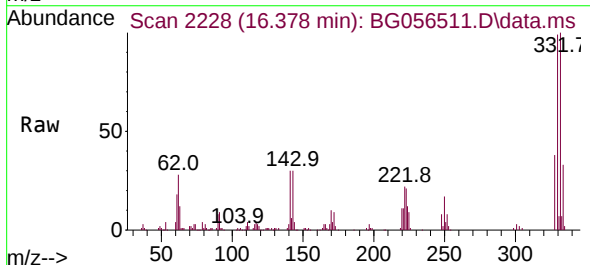
Manual Integrations
APPROVED

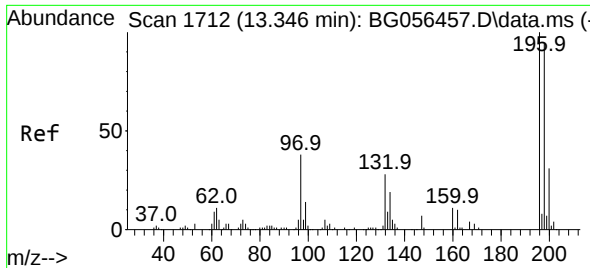
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#42
2,4,6-Tribromophenol
Concen: 107.297 ng
RT: 16.378 min Scan# 2228
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Tgt Ion:330 Resp: 161898
Ion Ratio Lower Upper
330 100
332 98.1 79.0 118.6
141 31.6 24.2 36.4





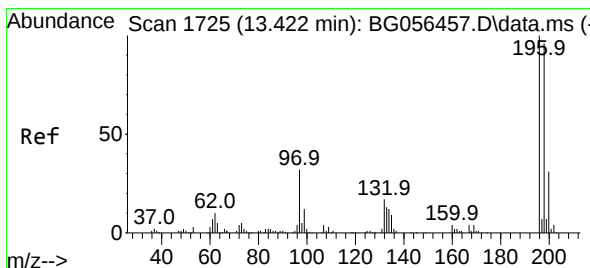
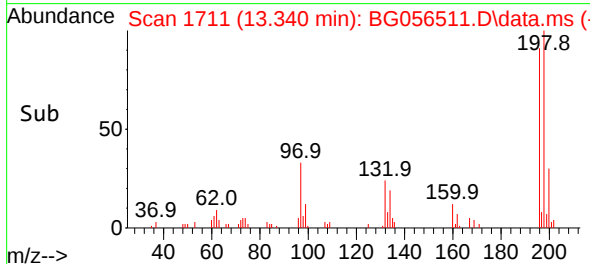
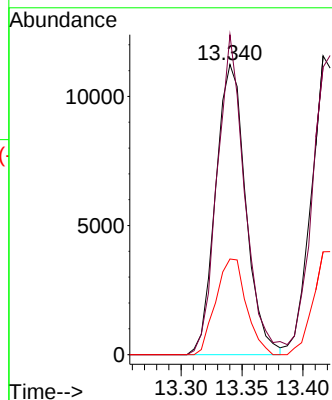
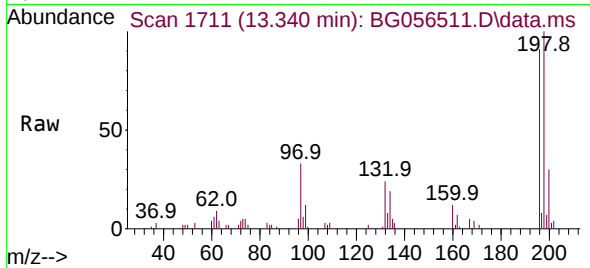
#43
2,4,6-Trichlorophenol
Concen: 7.234 ng
RT: 13.340 min Scan# 1712
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:196 Resp: 19330
Ion Ratio Lower Upper
196 100
198 110.3 75.4 113.0
200 32.9 25.0 37.6

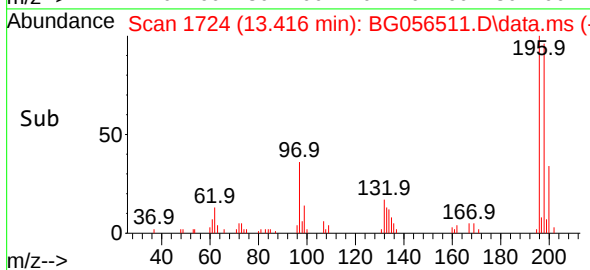
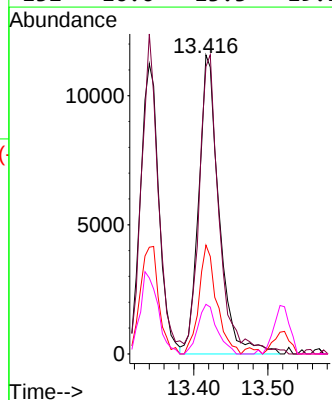
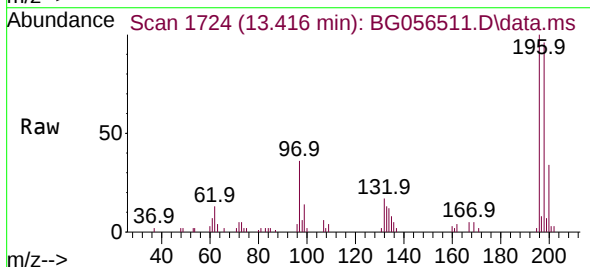
Manual Integrations
APPROVED

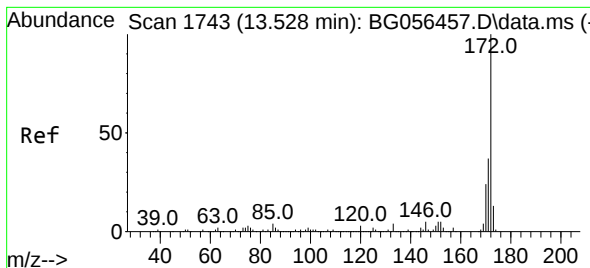
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#44
2,4,5-Trichlorophenol
Concen: 7.069 ng
RT: 13.416 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Tgt Ion:196 Resp: 22114
Ion Ratio Lower Upper
196 100
198 96.1 76.9 115.3
97 36.4 25.8 38.6
132 16.6 13.3 19.9





#45

2-Fluorobiphenyl

Concen: 84.039 ng

RT: 13.522 min Scan# 1743

Delta R.T. 0.000 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:172 Resp: 687968

Ion Ratio Lower Upper

172 100

171 36.5 29.5 44.3

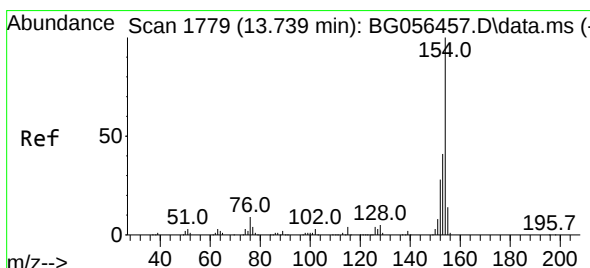
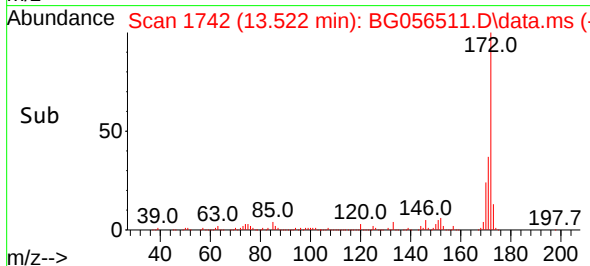
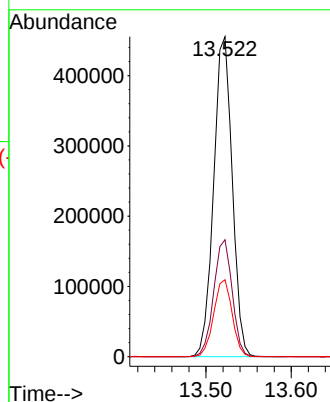
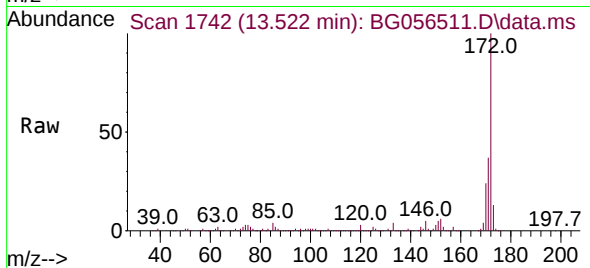
170 24.0 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/03/2023

Supervised By :Jagrut Upadhyay 02/03/2023



#46

1,1'-Biphenyl

Concen: 8.473 ng

RT: 13.734 min Scan# 1778

Delta R.T. 0.000 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

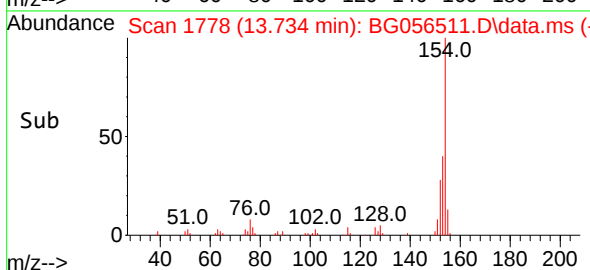
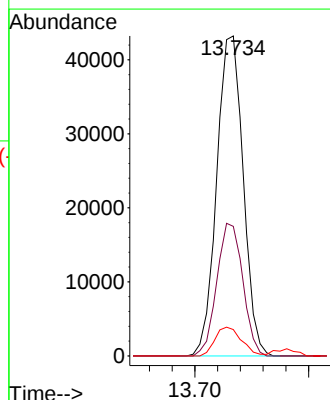
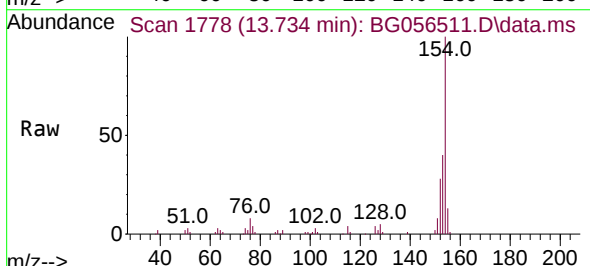
Tgt Ion:154 Resp: 69750

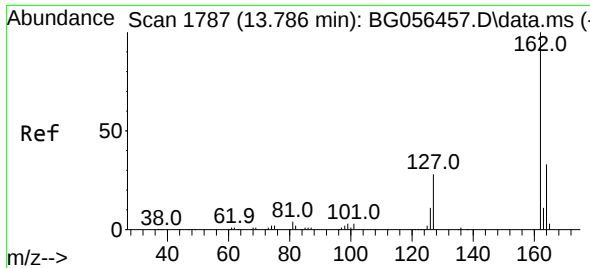
Ion Ratio Lower Upper

154 100

153 40.5 21.5 61.5

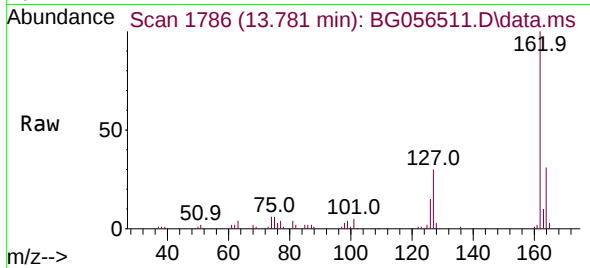
76 8.2 0.0 28.8





#47
2-Chloronaphthalene
Concen: 8.409 ng
RT: 13.781 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

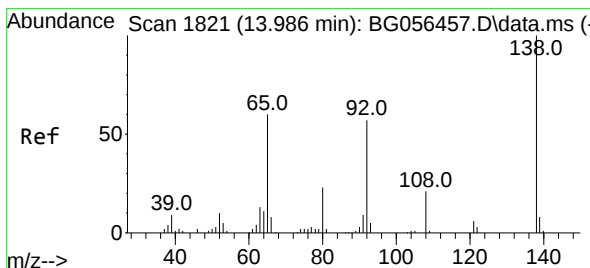
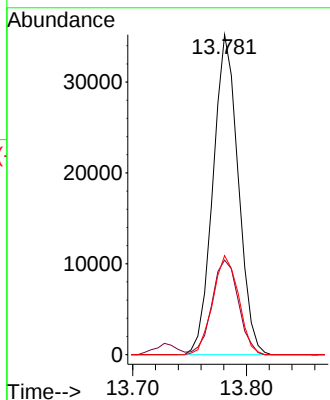
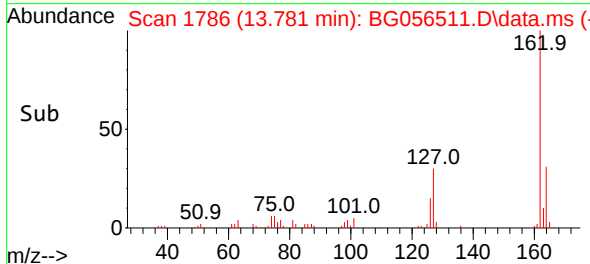
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT4-2022



Tgt Ion:162 Resp: 54109
Ion Ratio Lower Upper
162 100
127 29.5 25.2 37.8
164 30.9 26.2 39.2

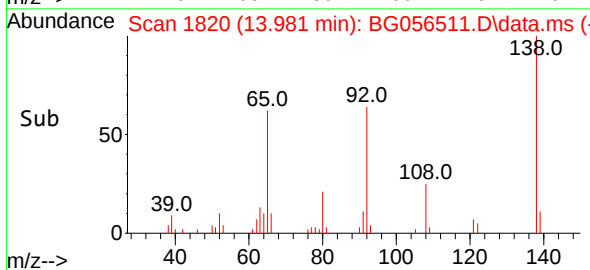
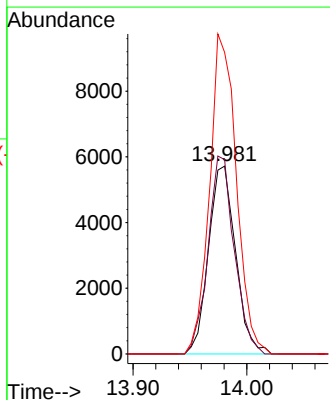
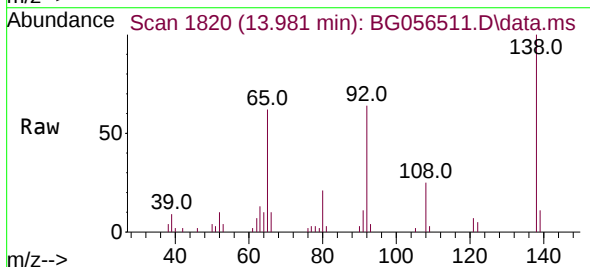
Manual Integrations
APPROVED

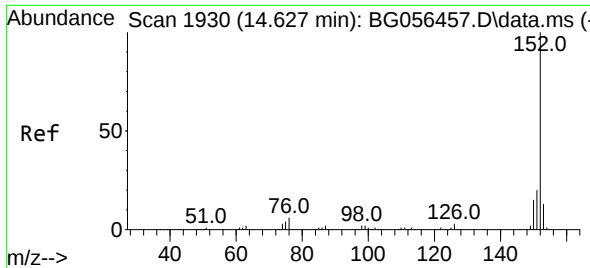
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#48
2-Nitroaniline
Concen: 7.100 ng
RT: 13.981 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

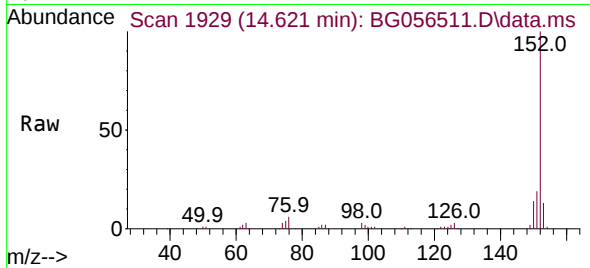
Tgt Ion: 65 Resp: 9444
Ion Ratio Lower Upper
65 100
92 103.5 75.8 113.6
138 160.6 133.2 199.8





#49
Acenaphthylene
Concen: 7.995 ng
RT: 14.621 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

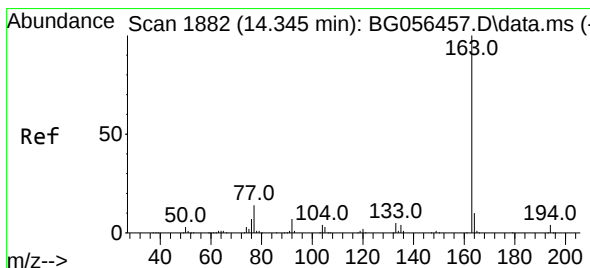
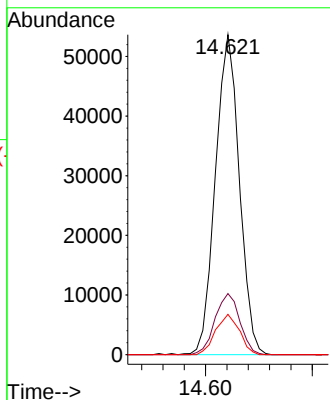
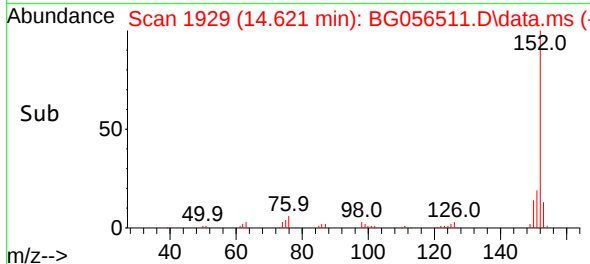
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT4-2022



Tgt Ion:152 Resp: 83695
Ion Ratio Lower Upper
152 100
151 19.1 15.9 23.9
153 12.6 10.5 15.7

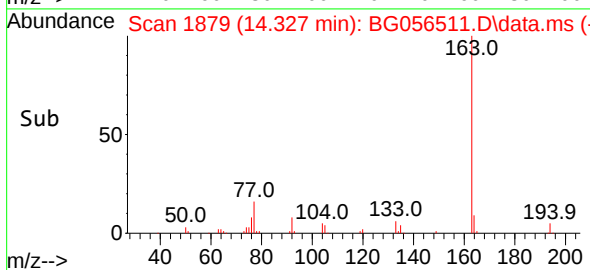
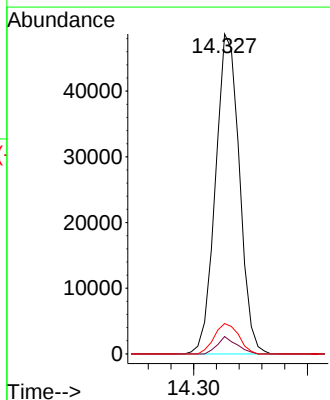
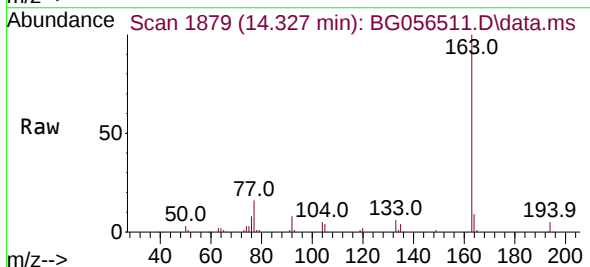
Manual Integrations
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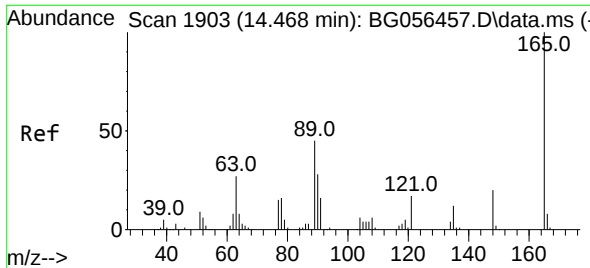
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#50
Dimethylphthalate
Concen: 7.746 ng
RT: 14.327 min Scan# 1879
Delta R.T. -0.012 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Tgt Ion:163 Resp: 71126
Ion Ratio Lower Upper
163 100
194 5.4 3.5 5.3#
164 9.5 8.1 12.1





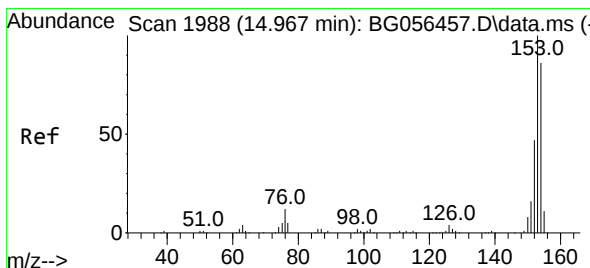
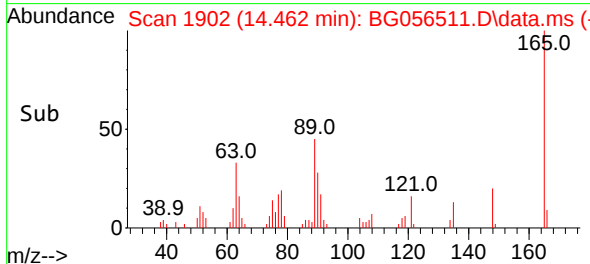
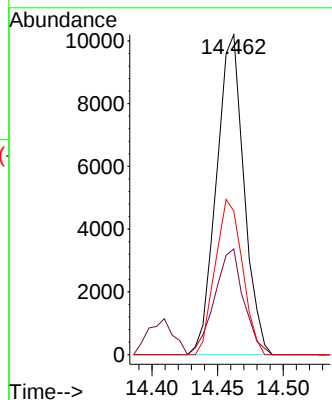
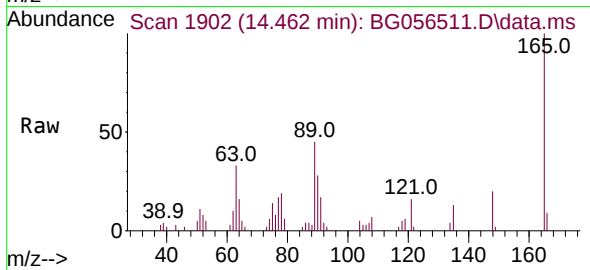
#51
2,6-Dinitrotoluene
Concen: 7.431 ng
RT: 14.462 min Scan# 1903
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:165 Resp: 14880
Ion Ratio Lower Upper
165 100
63 33.0 26.9 40.3
89 44.9 35.6 53.4

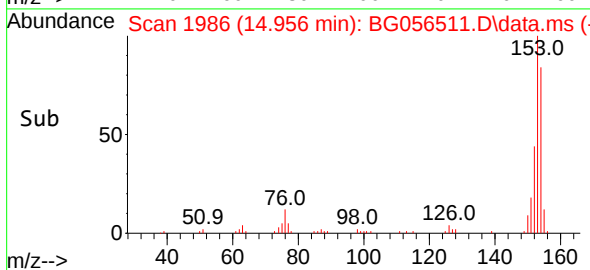
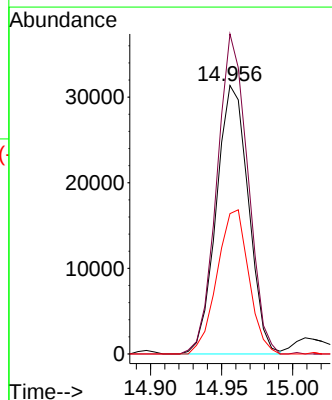
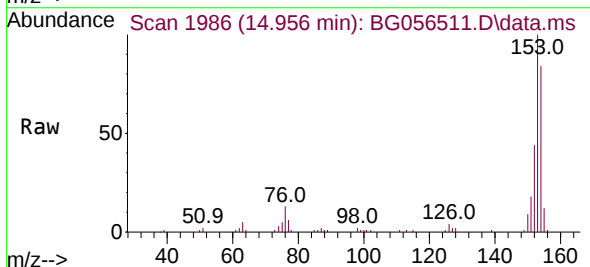
Manual Integrations
APPROVED

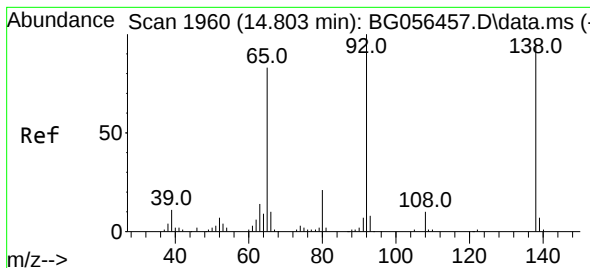
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#52
Acenaphthene
Concen: 7.934 ng
RT: 14.956 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

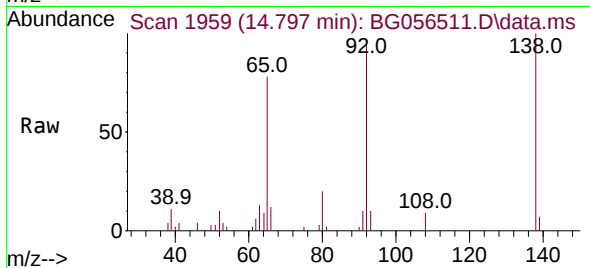
Tgt Ion:154 Resp: 49253
Ion Ratio Lower Upper
154 100
153 119.2 93.4 140.0
152 52.2 43.4 65.2





#53
3-Nitroaniline
Concen: 7.442 ng
RT: 14.797 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

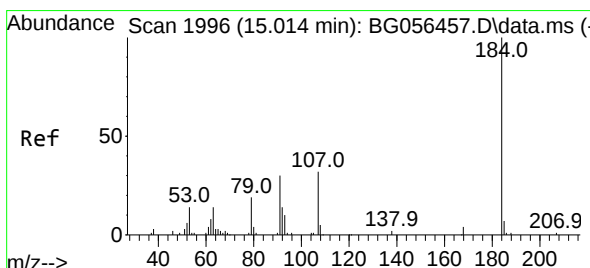
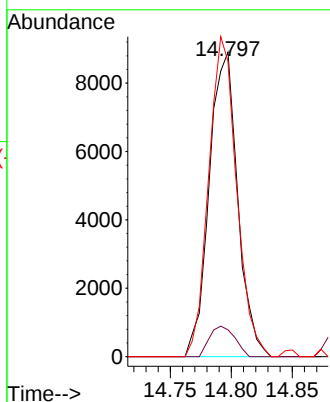
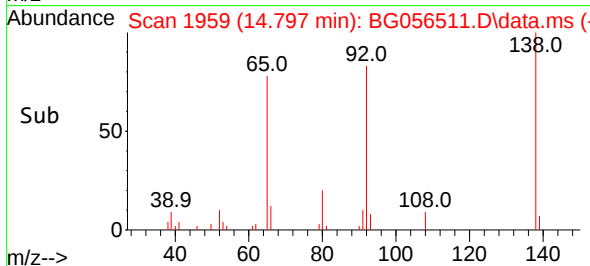
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



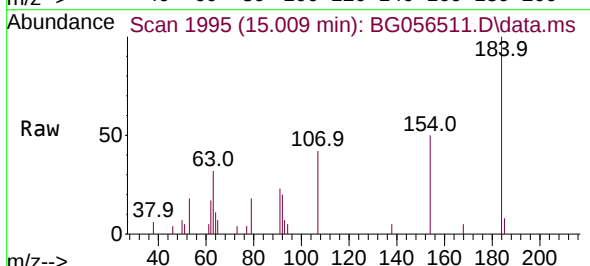
Tgt Ion:138 Resp: 1444
Ion Ratio Lower Upper
138 100
108 8.8 8.0 12.0
92 97.0 84.1 126.1

Manual Integrations
APPROVED

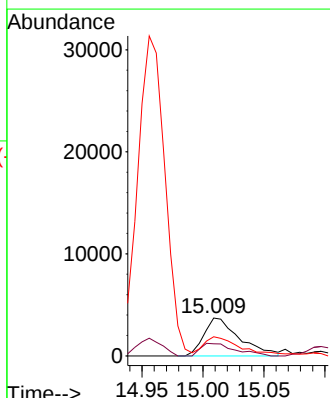
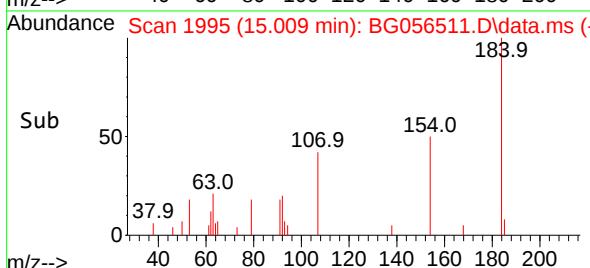
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

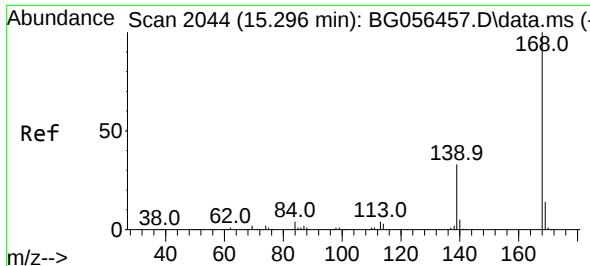


#54
2,4-Dinitrophenol
Concen: 5.976 ng
RT: 15.009 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38



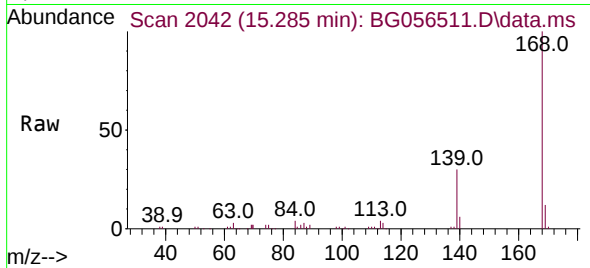
Tgt Ion:184 Resp: 7502
Ion Ratio Lower Upper
184 100
63 32.0 25.1 37.7
154 50.4 44.8 67.2





#55
Dibenzofuran
Concen: 8.107 ng
RT: 15.285 min Scan# 2044
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

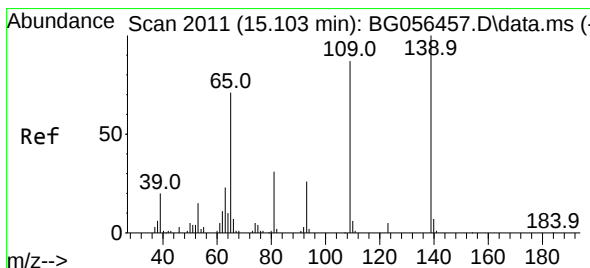
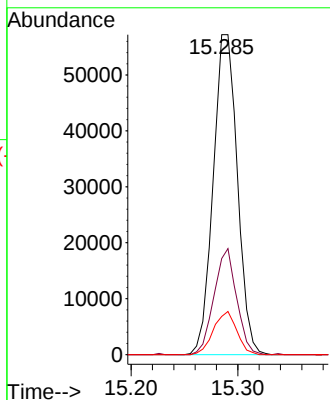
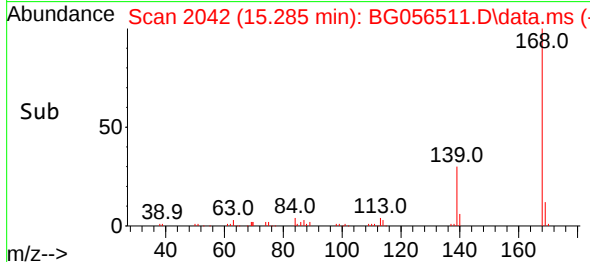
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:168 Resp: 90264
Ion Ratio Lower Upper
168 100
139 30.0 26.2 39.2
169 11.9 11.0 16.6

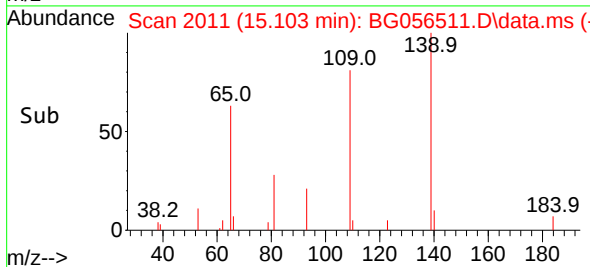
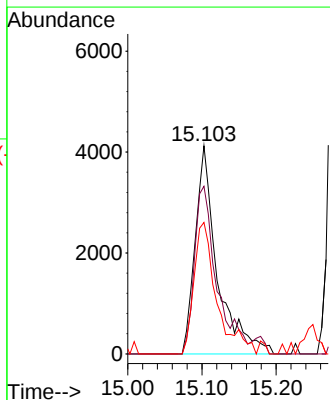
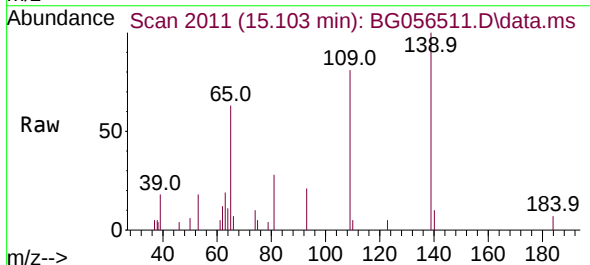
Manual Integrations
APPROVED

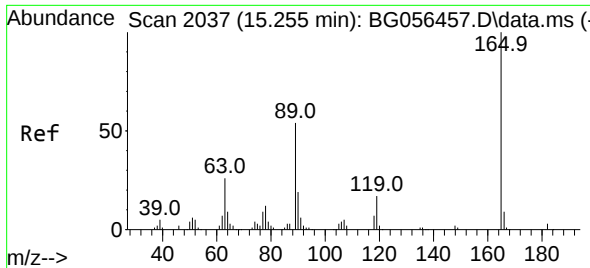
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#56
4-Nitrophenol
Concen: 6.444 ng
RT: 15.103 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

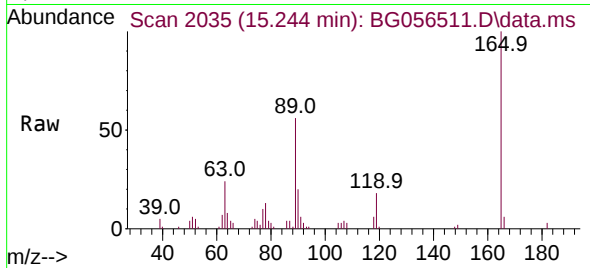
Tgt Ion:139 Resp: 8548
Ion Ratio Lower Upper
139 100
109 80.5 67.5 107.5
65 63.2 50.7 90.7





#57
2,4-Dinitrotoluene
Concen: 7.328 ng
RT: 15.244 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

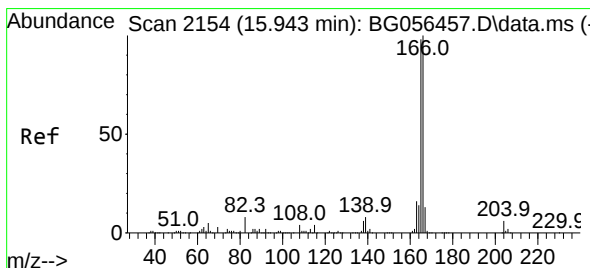
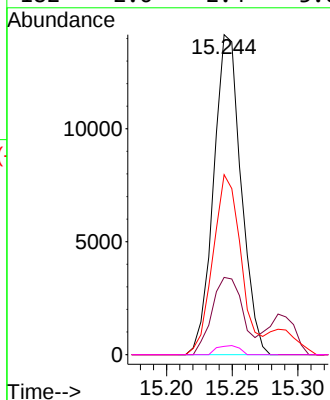
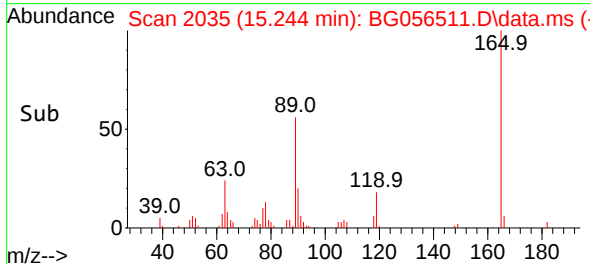
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT4-2022



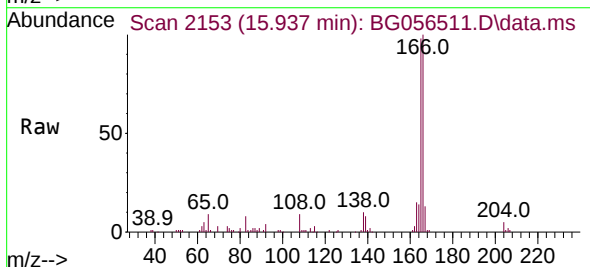
Tgt Ion:165 Resp: 20669
Ion Ratio Lower Upper
165 100
63 24.1 20.6 31.0
89 56.2 43.1 64.7
182 2.6 2.4 3.6

Manual Integrations
APPROVED

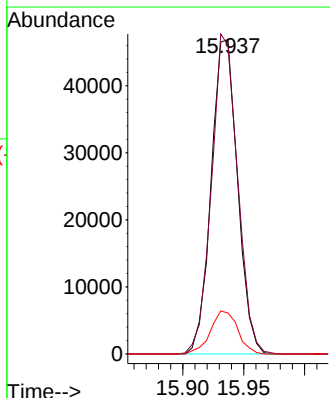
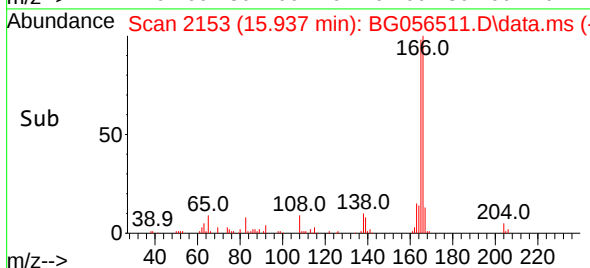
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

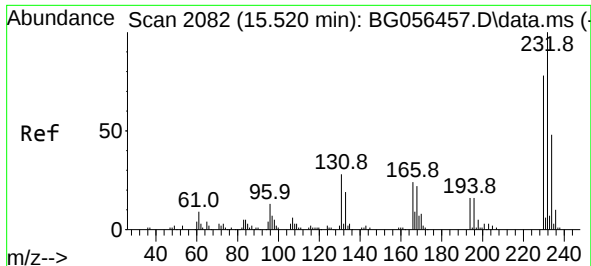


#58
Fluorene
Concen: 7.944 ng
RT: 15.937 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38



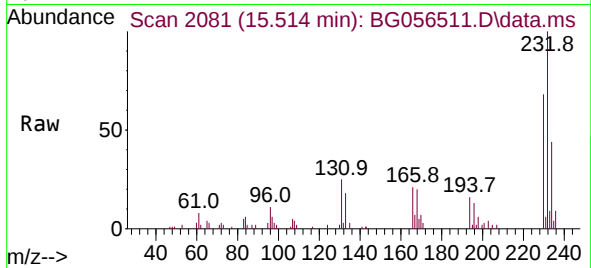
Tgt Ion:166 Resp: 70377
Ion Ratio Lower Upper
166 100
165 98.2 78.8 118.2
167 13.0 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.342 ng m
RT: 15.514 min Scan# 2081
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

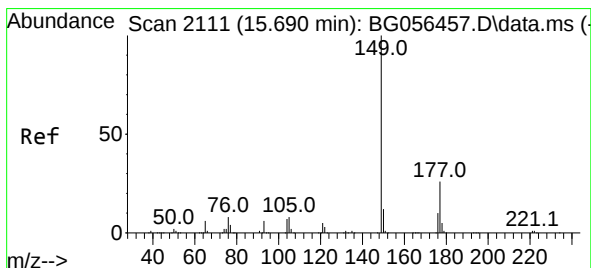
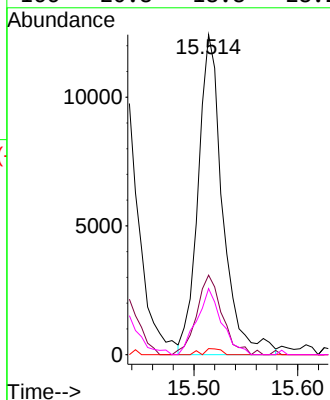
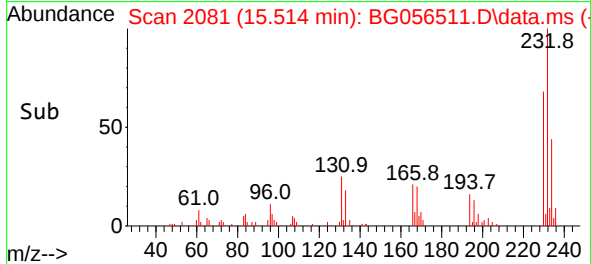
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:232 Resp: 20423
Ion Ratio Lower Upper
232 100
131 25.7 22.8 34.2
130 1.4 1.4 2.0
166 20.8 18.8 28.2

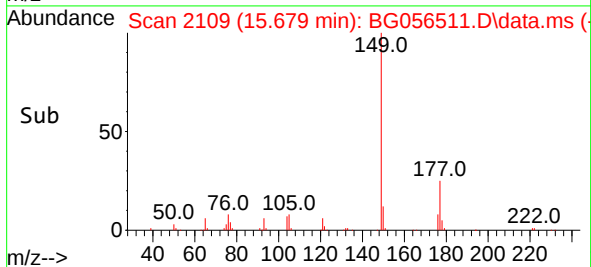
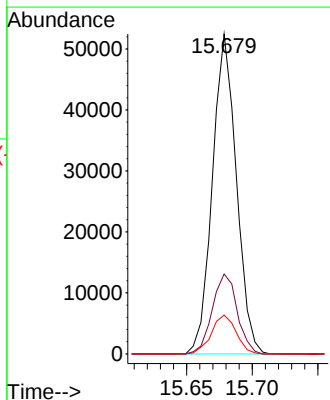
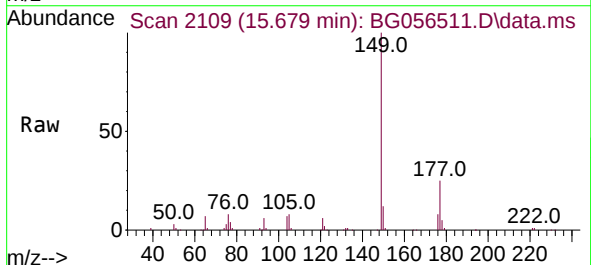
Manual Integrations
APPROVED

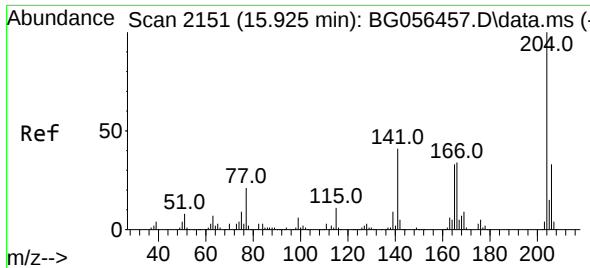
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#60
Diethylphthalate
Concen: 7.721 ng
RT: 15.679 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

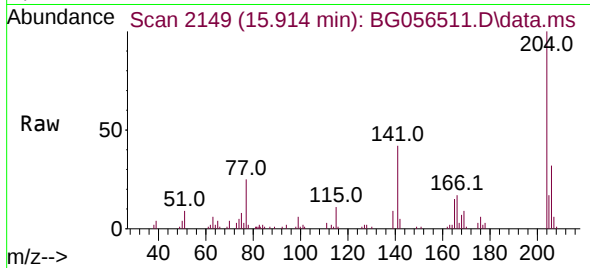
Tgt Ion:149 Resp: 66574
Ion Ratio Lower Upper
149 100
177 25.0 21.0 31.4
150 12.1 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 7.912 ng
RT: 15.914 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

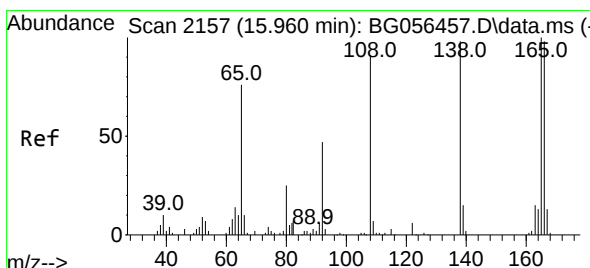
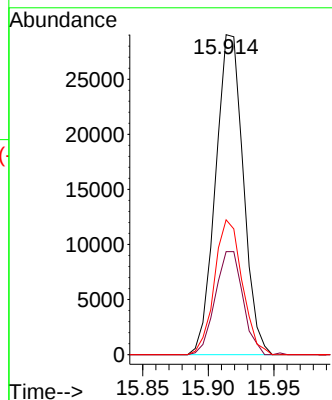
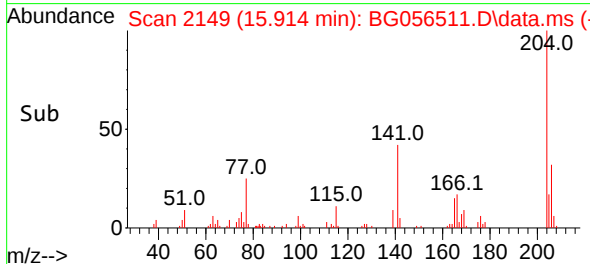
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT4-2022



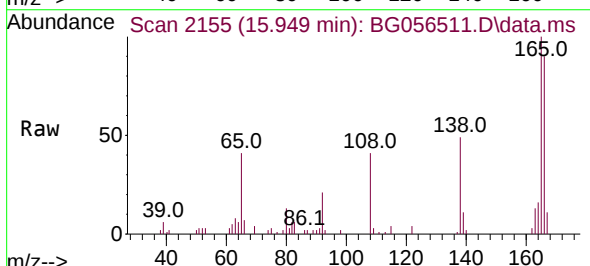
Tgt Ion:204 Resp: 42769
Ion Ratio Lower Upper
204 100
206 32.2 26.2 39.4
141 42.1 32.7 49.1

Manual Integrations
APPROVED

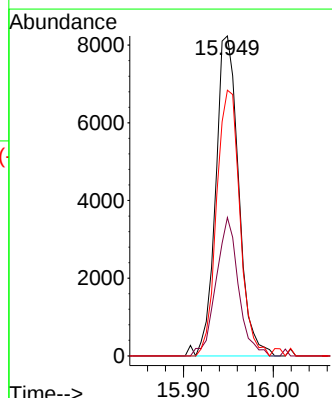
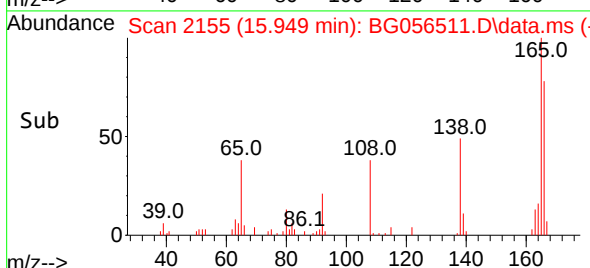
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

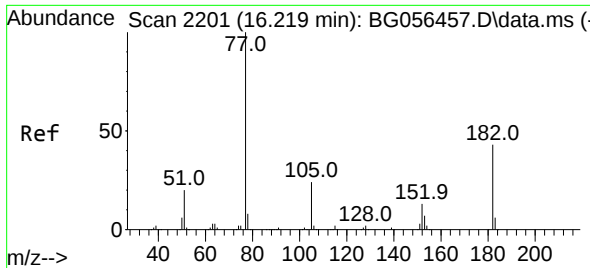


#62
4-Nitroaniline
Concen: 7.550 ng
RT: 15.949 min Scan# 2155
Delta R.T. -0.012 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38



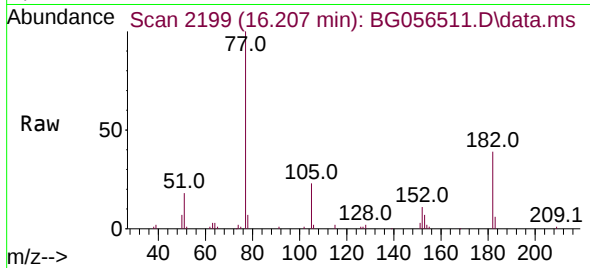
Tgt Ion:138 Resp: 14665
Ion Ratio Lower Upper
138 100
92 43.2 27.8 67.8
108 83.0 72.6 112.6





#63
Azobenzene
Concen: 8.144 ng
RT: 16.207 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

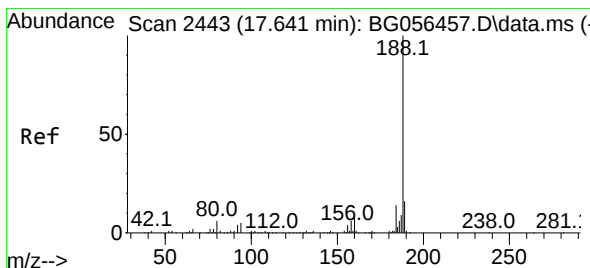
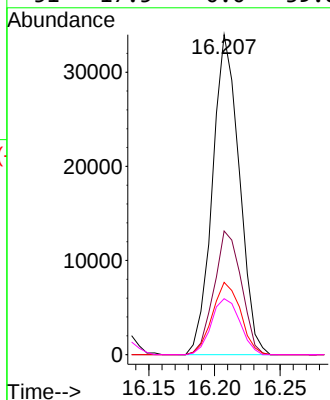
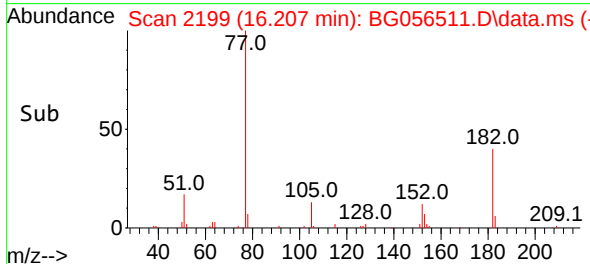
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



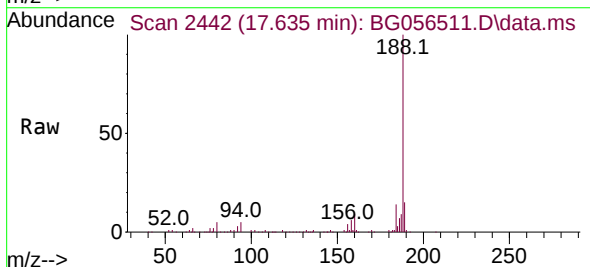
Tgt Ion: 77 Resp: 48314
Ion Ratio Lower Upper
77 100
182 38.6 23.1 63.1
105 22.6 4.2 44.2
51 17.5 0.0 39.8

Manual Integrations
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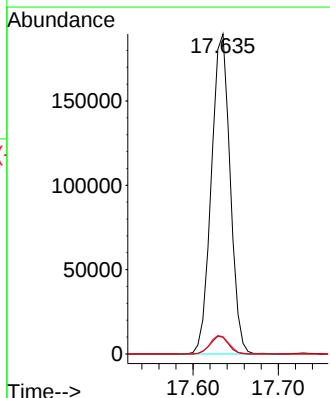
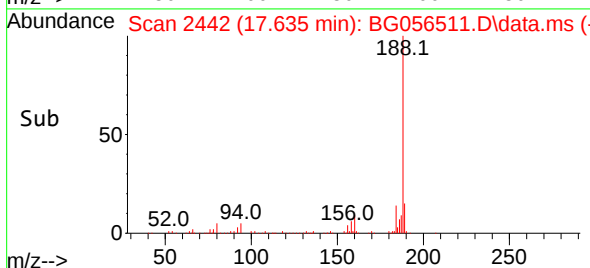
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

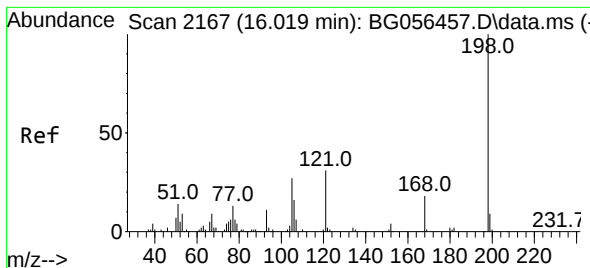


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.635 min Scan# 2442
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38



Tgt Ion:188 Resp: 289934
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 5.4 5.0 7.4





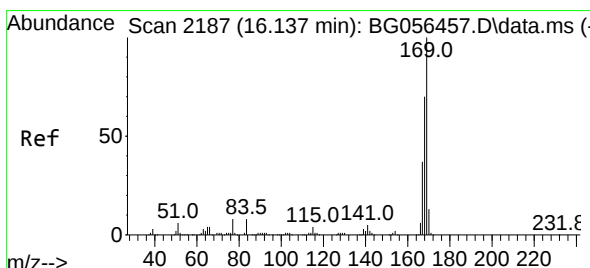
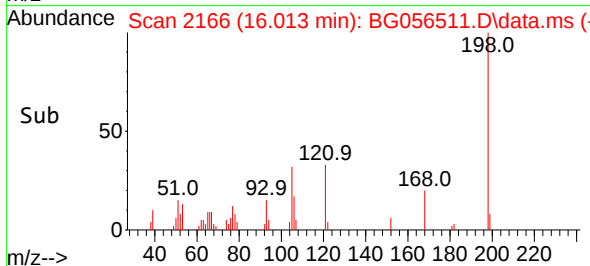
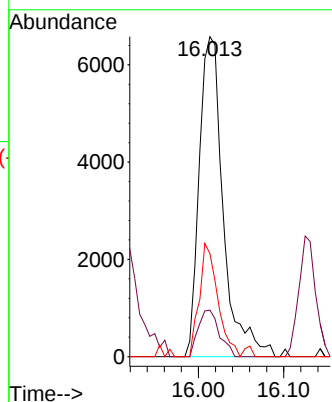
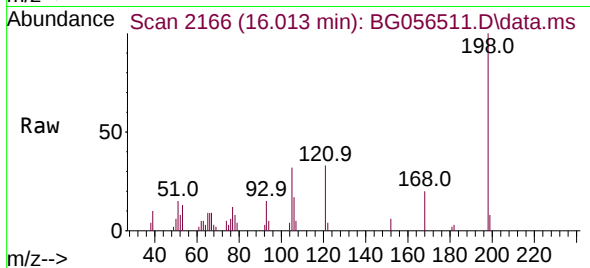
#65
4,6-Dinitro-2-methylphenol
Concen: 6.315 ng
RT: 16.013 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:198 Resp: 12872
Ion Ratio Lower Upper
198 100
51 14.5 0.0 35.0
105 32.2 7.4 47.4

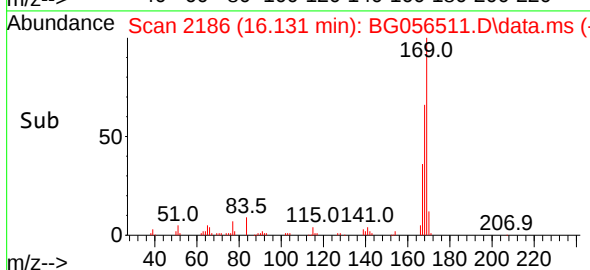
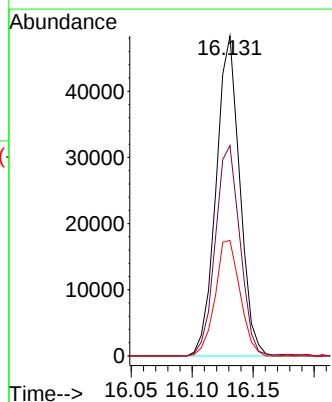
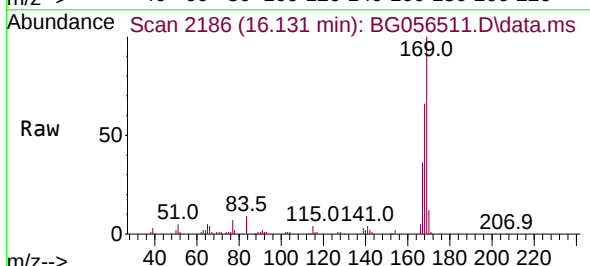
Manual Integrations
APPROVED

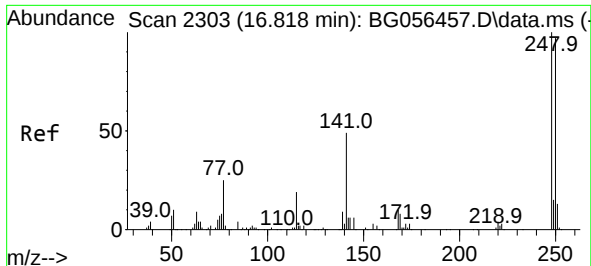
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#66
n-Nitrosodiphenylamine
Concen: 7.925 ng
RT: 16.131 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

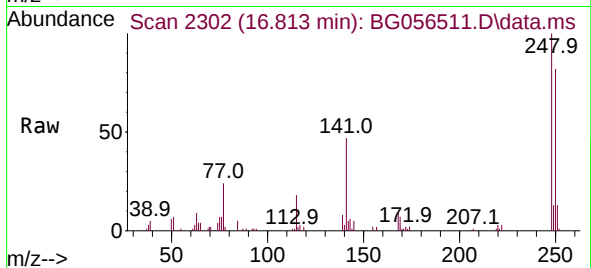
Tgt Ion:169 Resp: 65054
Ion Ratio Lower Upper
169 100
168 65.7 55.8 83.6
167 36.1 29.8 44.8





#67
4-Bromophenyl-phenylether
Concen: 7.851 ng
RT: 16.813 min Scan# 2303
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

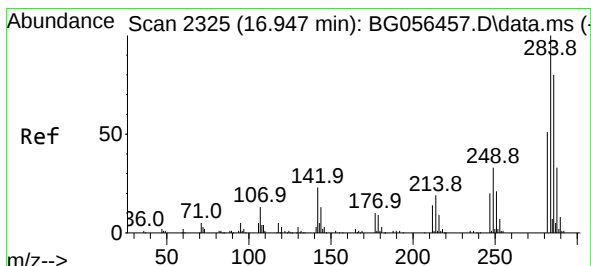
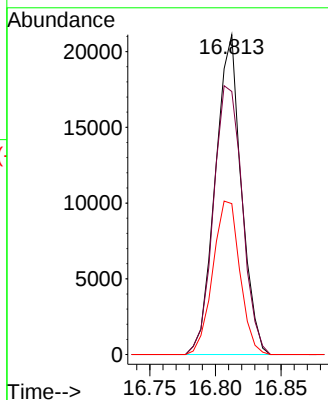
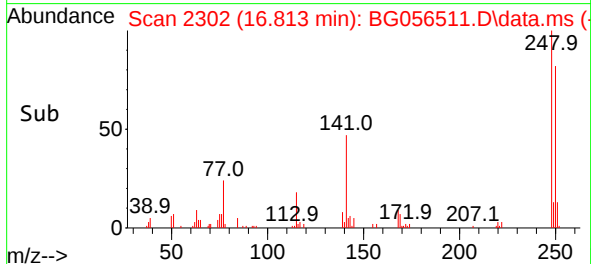
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



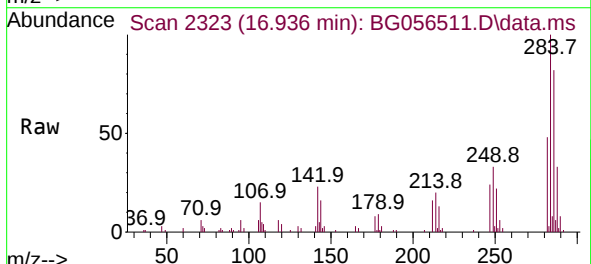
Tgt Ion:248 Resp: 29142
Ion Ratio Lower Upper
248 100
250 82.2 77.6 116.4
141 47.2 39.0 58.4

Manual Integrations
APPROVED

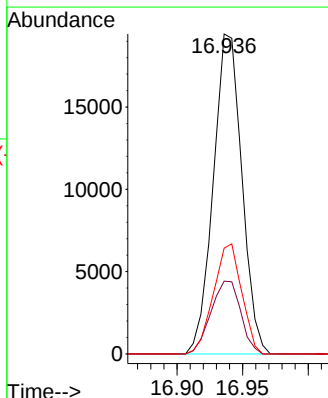
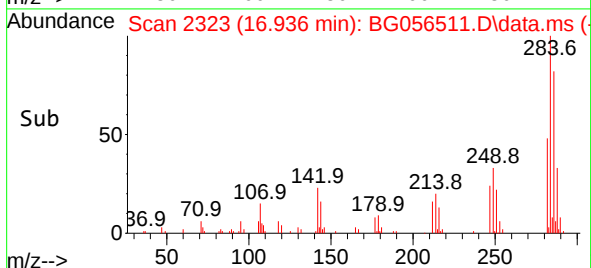
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

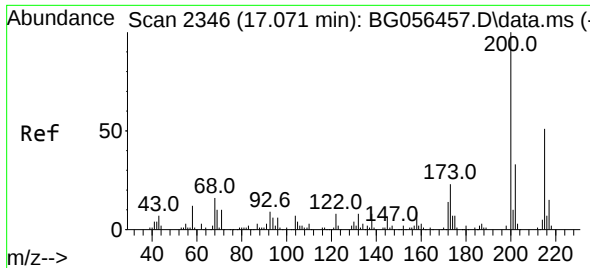


#68
Hexachlorobenzene
Concen: 8.109 ng
RT: 16.936 min Scan# 2323
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38



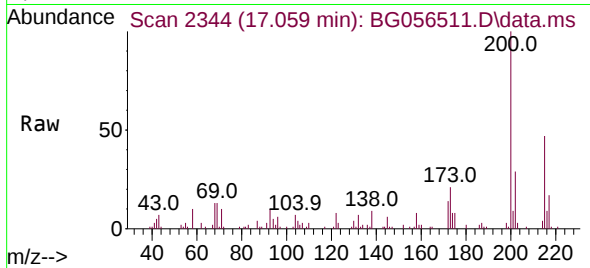
Tgt Ion:284 Resp: 29477
Ion Ratio Lower Upper
284 100
142 22.7 18.0 27.0
249 35.6 26.7 40.1





#69
 Atrazine
 Concen: 9.012 ng
 RT: 17.059 min Scan# 2344
 Delta R.T. -0.012 min
 Lab File: BG056511.D
 Acq: 2 Feb 2023 12:38

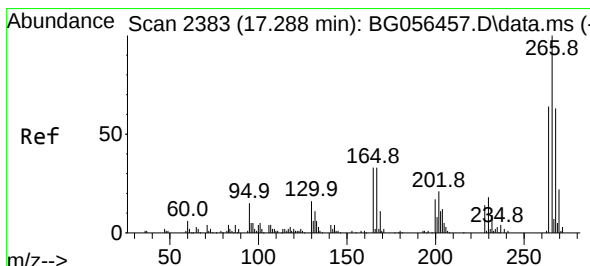
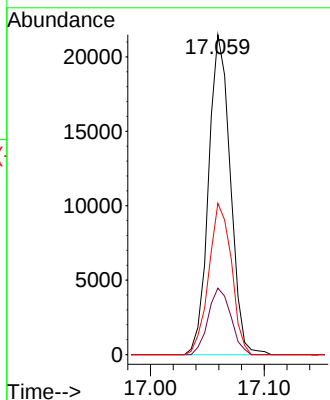
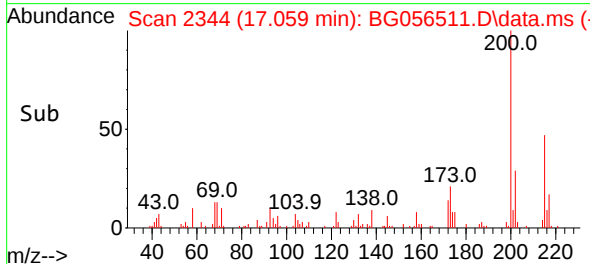
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2022



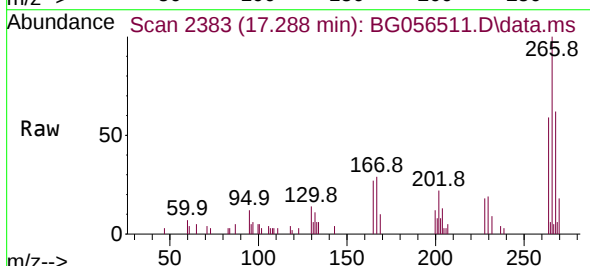
Tgt Ion:200 Resp: 2854
 Ion Ratio Lower Upper
 200 100
 173 20.8 3.2 43.2
 215 47.3 30.7 70.7

Manual Integrations
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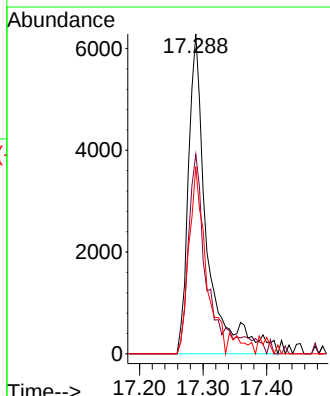
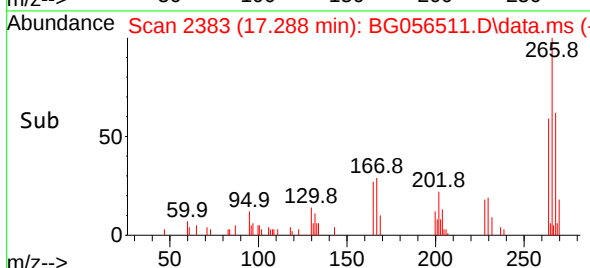
Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023

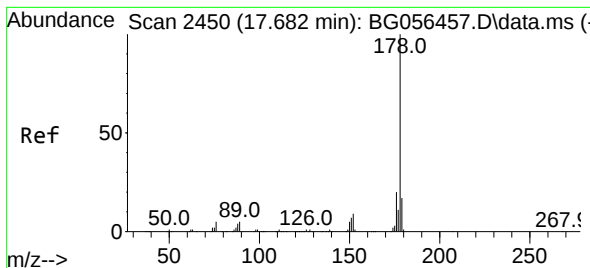


#70
 Pentachlorophenol
 Concen: 5.853 ng m
 RT: 17.288 min Scan# 2383
 Delta R.T. 0.006 min
 Lab File: BG056511.D
 Acq: 2 Feb 2023 12:38



Tgt Ion:266 Resp: 12875
 Ion Ratio Lower Upper
 266 100
 268 62.4 50.2 75.4
 264 58.5 51.4 77.0





#71

Phenanthrene

Concen: 7.931 ng

RT: 17.676 min Scan# 2449

Delta R.T. 0.000 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

Instrument :

BNA_G

ClientSampleId :

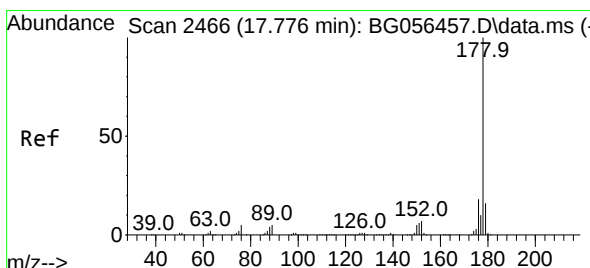
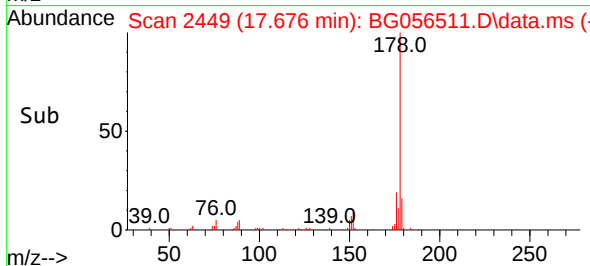
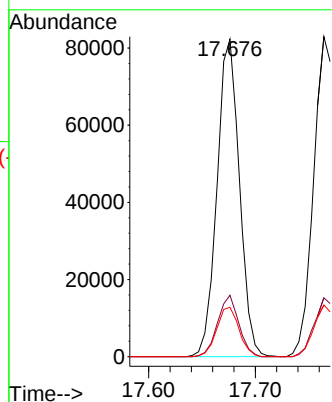
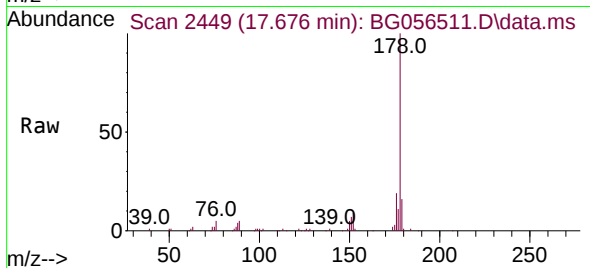
MDL-SOIL-03-QT4-2022

Tgt Ion:178	Resp: 120354
Ion Ratio	Lower Upper
178	100
176	19.3 15.6 23.4
179	15.6 13.3 19.9

Manual Integrations

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Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#72

Anthracene

Concen: 7.976 ng

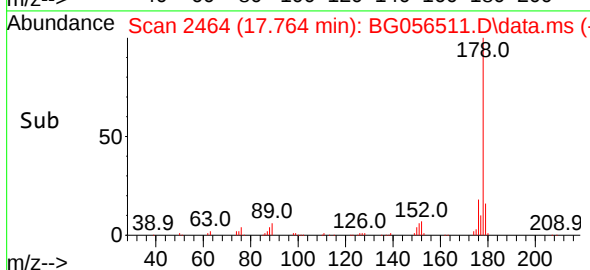
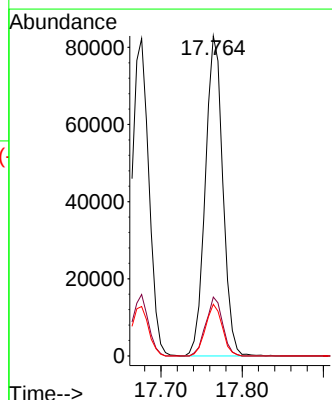
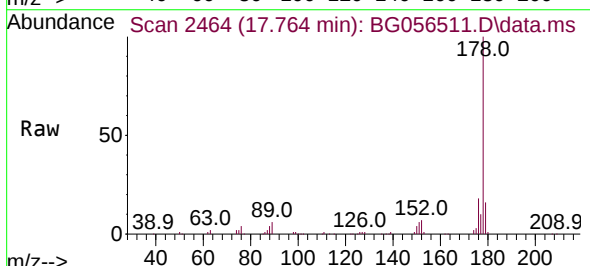
RT: 17.764 min Scan# 2464

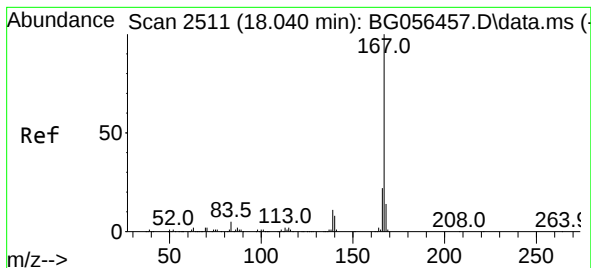
Delta R.T. -0.006 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

Tgt Ion:178	Resp: 124245
Ion Ratio	Lower Upper
178	100
176	18.4 14.5 21.7
179	16.1 12.5 18.7





#73

Carbazole

Concen: 7.955 ng

RT: 18.029 min Scan# 2509

Delta R.T. -0.006 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

Instrument :

BNA_G

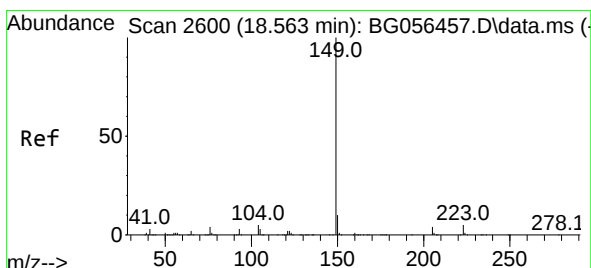
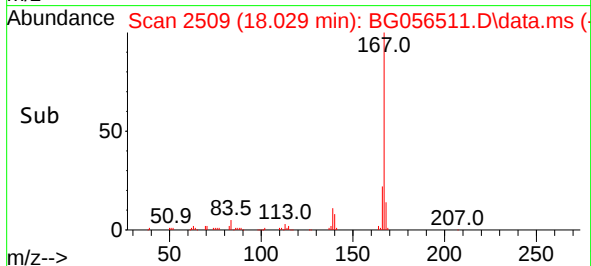
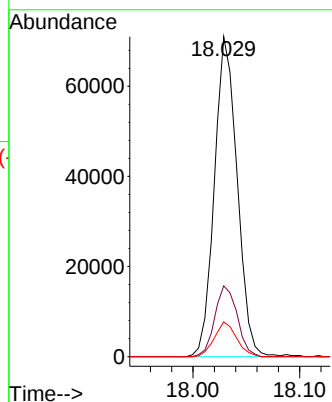
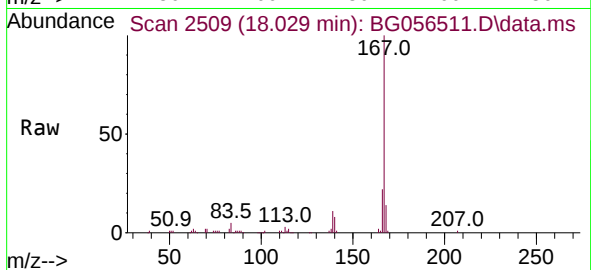
ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:167 Resp: 105534
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.8 26.6
 139 10.9 8.9 13.3

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023



#74

Di-n-butylphthalate

Concen: 7.679 ng

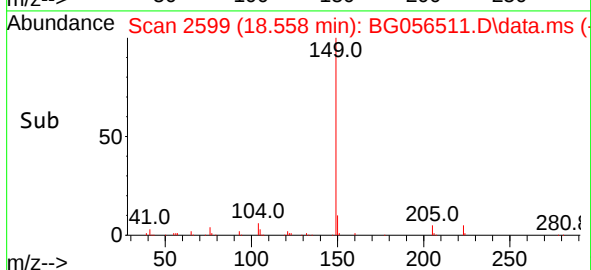
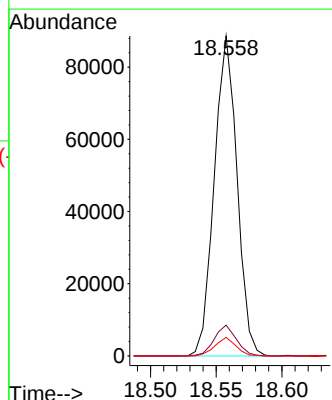
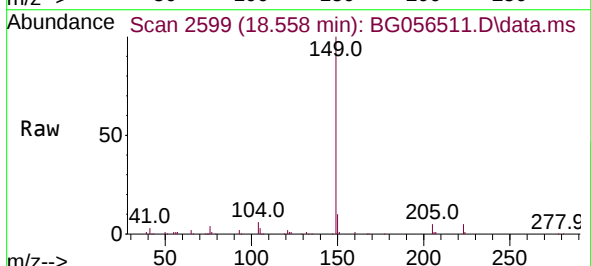
RT: 18.558 min Scan# 2599

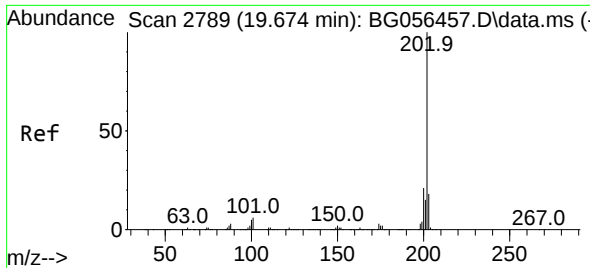
Delta R.T. -0.006 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

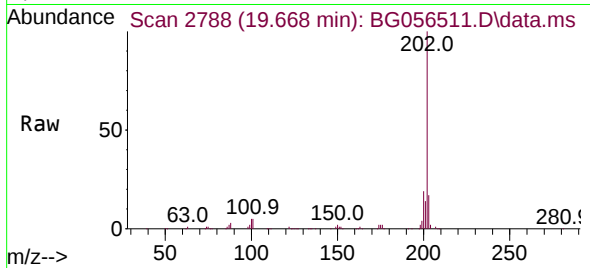
Tgt Ion:149 Resp: 106974
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.8 11.6
 104 5.8 4.0 6.0





#75
Fluoranthene
Concen: 8.193 ng
RT: 19.668 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

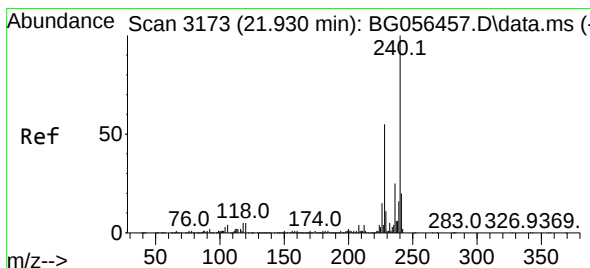
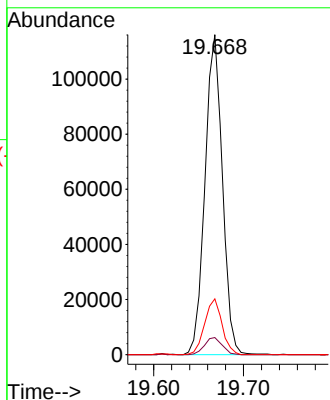
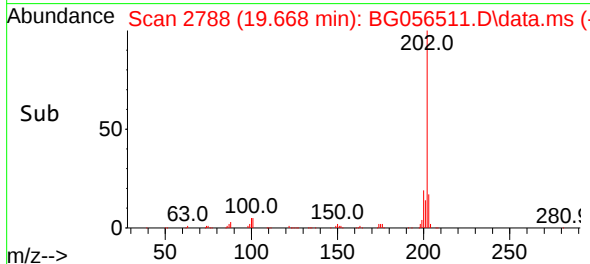
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



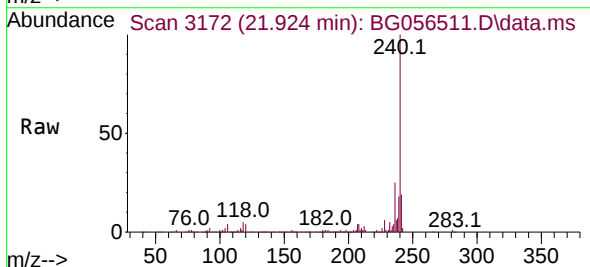
Tgt Ion:202 Resp: 156919
Ion Ratio Lower Upper
202 100
101 5.3 0.0 25.6
203 17.4 0.0 38.1

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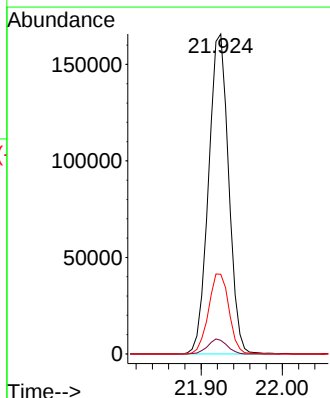
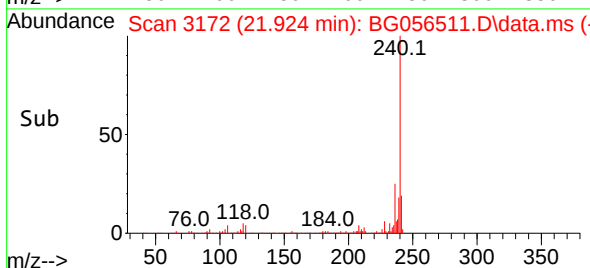
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

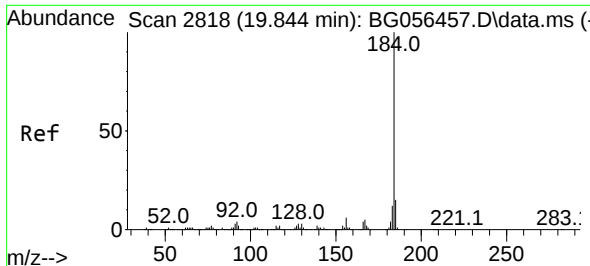


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.924 min Scan# 3172
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38



Tgt Ion:240 Resp: 284689
Ion Ratio Lower Upper
240 100
120 4.2 3.8 5.8
236 24.9 20.2 30.2





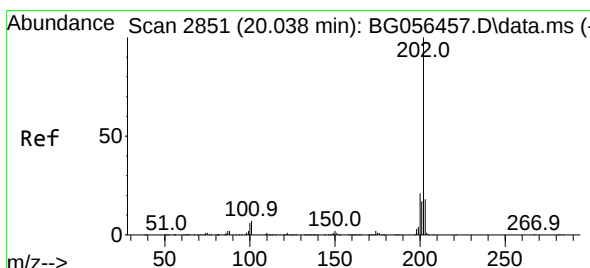
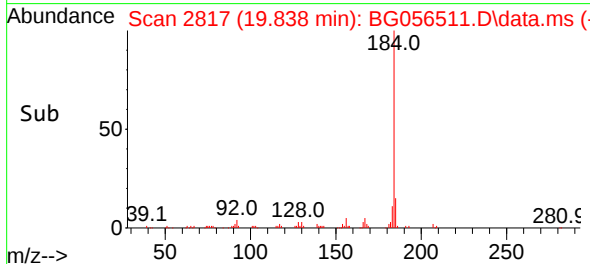
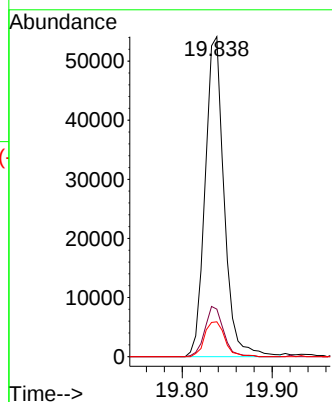
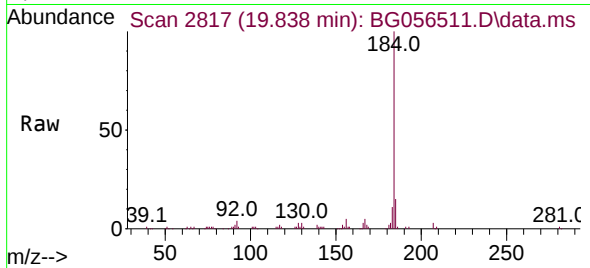
#77
Benzidine
Concen: 10.312 ng
RT: 19.838 min Scan# 2817
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:184 Resp: 7944
Ion Ratio Lower Upper
184 100
185 14.8 12.3 18.5
183 10.9 9.8 14.8

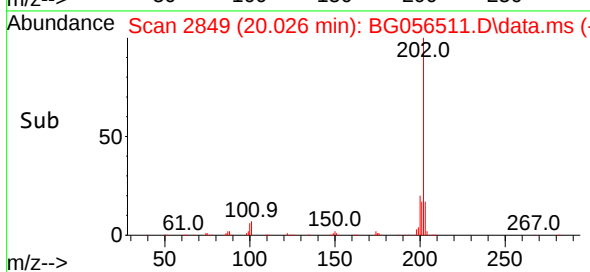
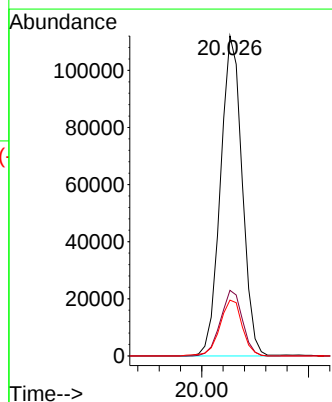
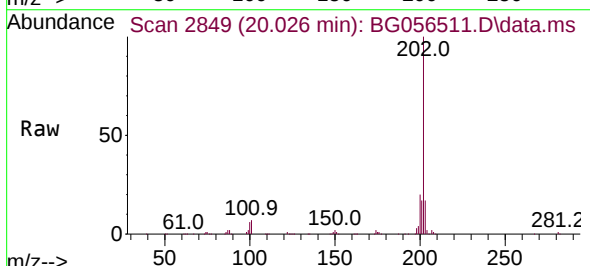
Manual Integrations
APPROVED

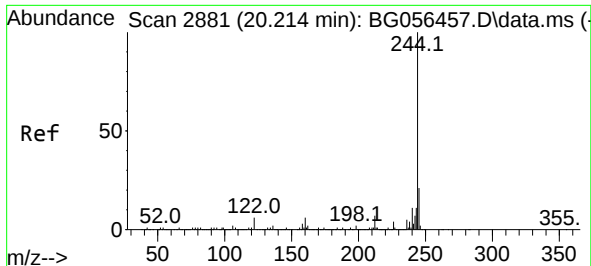
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#78
Pyrene
Concen: 7.824 ng
RT: 20.026 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

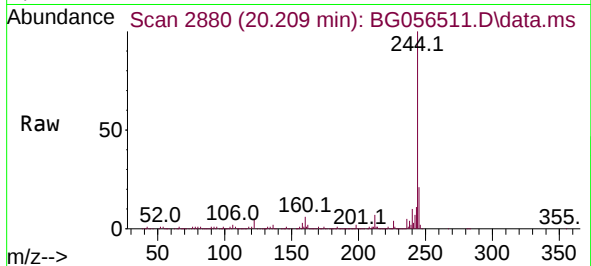
Tgt Ion:202 Resp: 158408
Ion Ratio Lower Upper
202 100
200 20.5 16.7 25.1
203 17.4 14.4 21.6





#79
 Terphenyl-d14
 Concen: 79.929 ng
 RT: 20.209 min Scan# 2881
 Delta R.T. 0.000 min
 Lab File: BG056511.D
 Acq: 2 Feb 2023 12:38

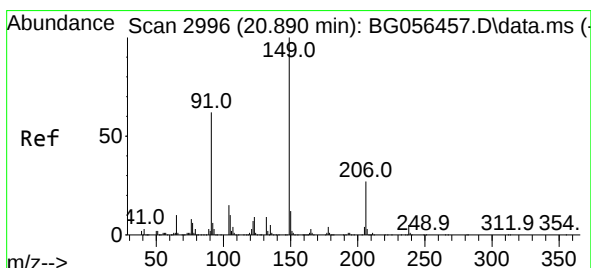
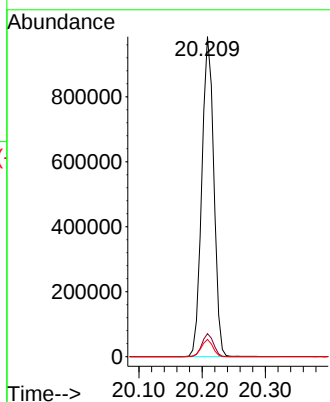
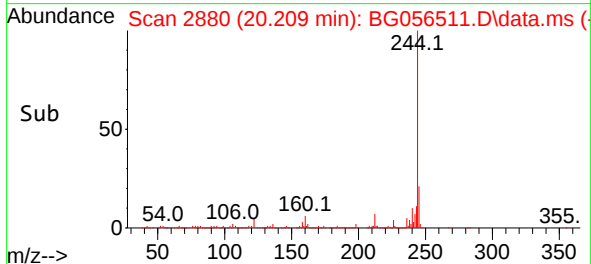
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2022



Tgt Ion:244 Resp: 129557
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.5 8.3
 122 5.4 4.4 6.6

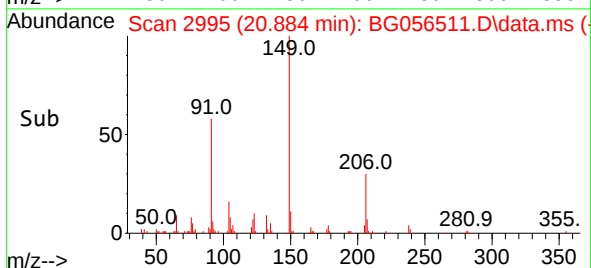
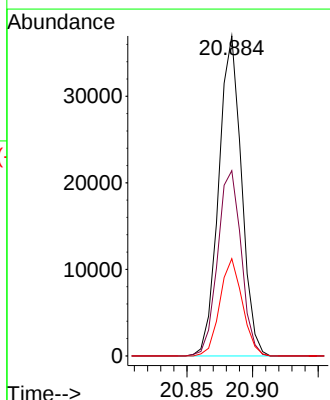
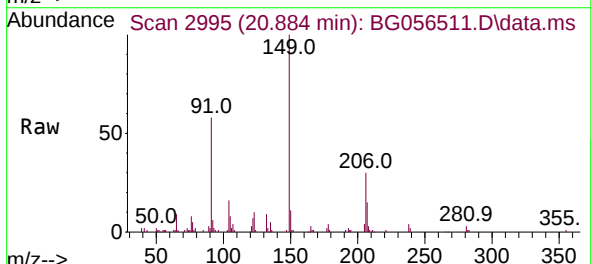
Manual Integrations
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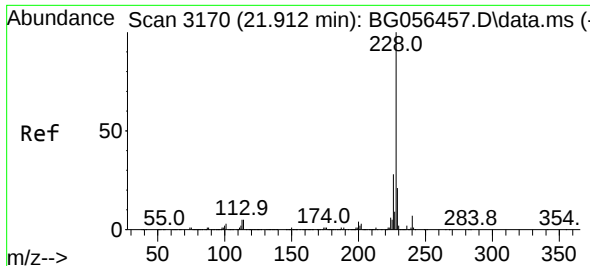
Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023



#80
 Butylbenzylphthalate
 Concen: 7.228 ng
 RT: 20.884 min Scan# 2995
 Delta R.T. 0.000 min
 Lab File: BG056511.D
 Acq: 2 Feb 2023 12:38

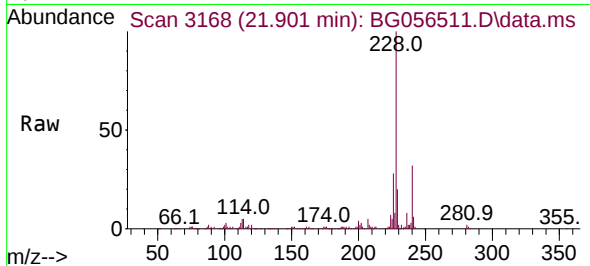
Tgt Ion:149 Resp: 44696
 Ion Ratio Lower Upper
 149 100
 91 57.9 49.4 74.0
 206 30.4 22.0 33.0





#81
Benzo(a)anthracene
Concen: 7.991 ng
RT: 21.901 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

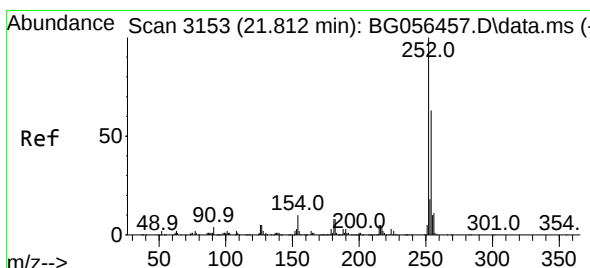
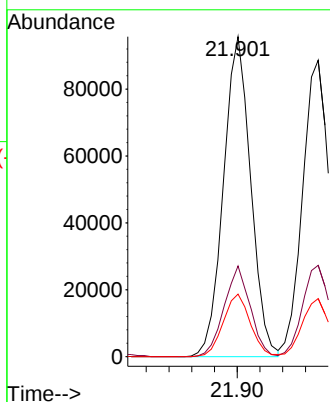
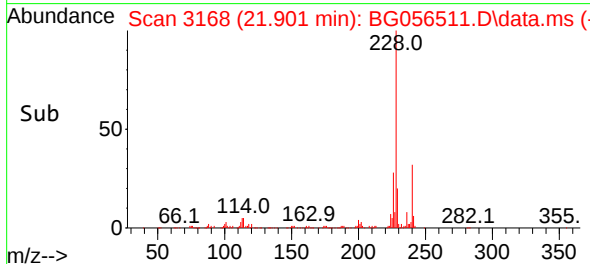
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:228 Resp: 159048
Ion Ratio Lower Upper
228 100
226 28.3 22.4 33.6
229 19.6 16.5 24.7

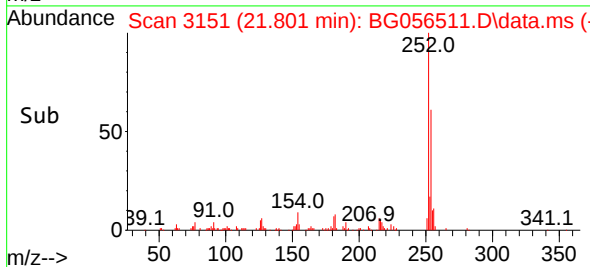
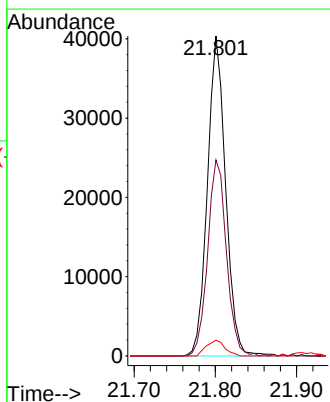
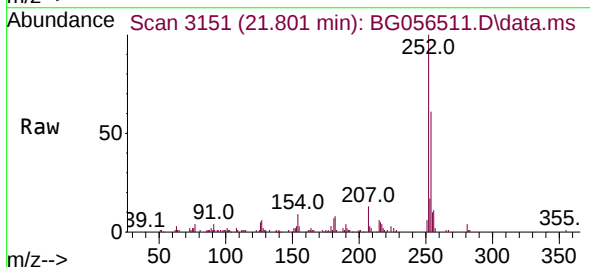
Manual Integrations
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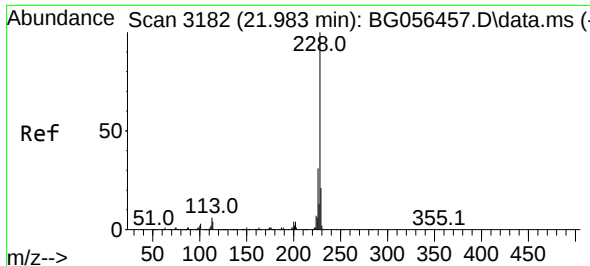
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#82
3,3'-Dichlorobenzidine
Concen: 8.770 ng
RT: 21.801 min Scan# 3151
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

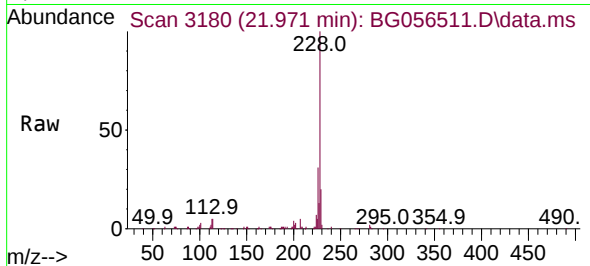
Tgt Ion:252 Resp: 62859
Ion Ratio Lower Upper
252 100
254 61.2 50.0 75.0
126 4.9 4.3 6.5





#83
Chrysene
Concen: 7.863 ng
RT: 21.971 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

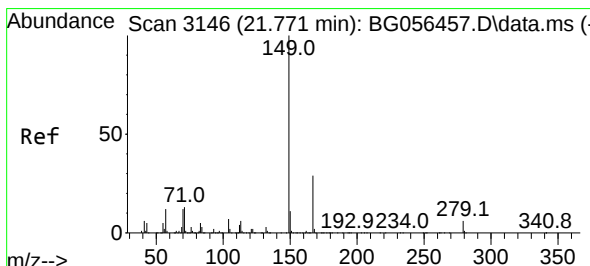
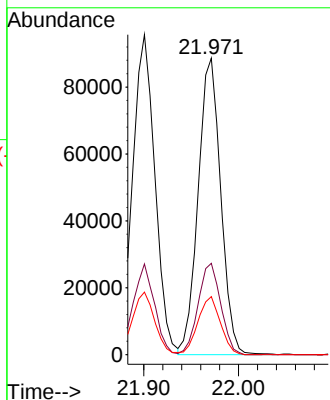
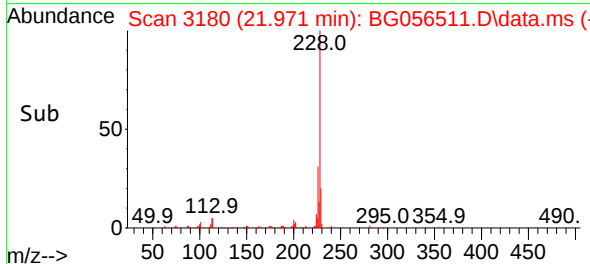
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:228 Resp: 147035
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.4
229 19.6 16.4 24.6

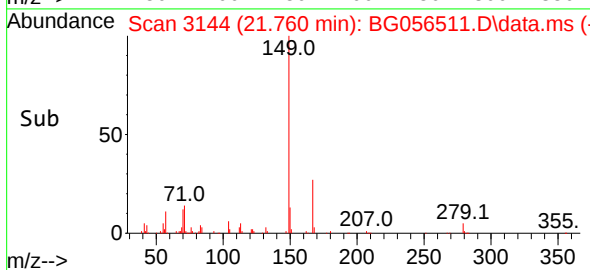
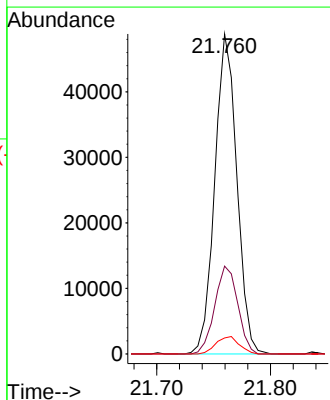
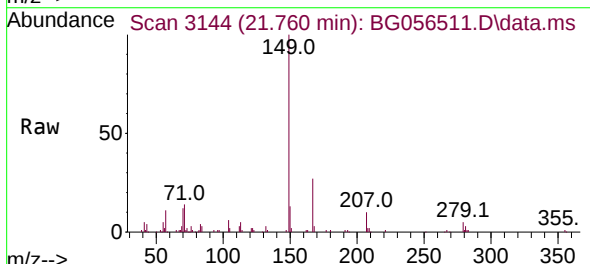
Manual Integrations
APPROVED

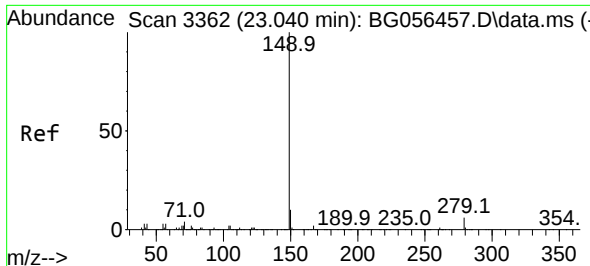
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.413 ng
RT: 21.760 min Scan# 3144
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

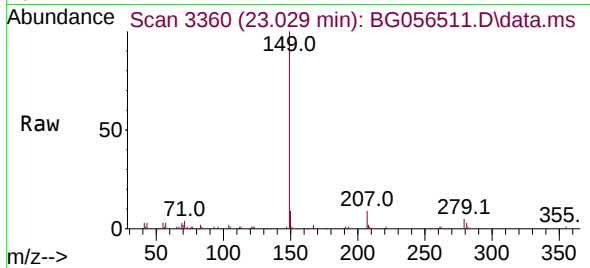
Tgt Ion:149 Resp: 65722
Ion Ratio Lower Upper
149 100
167 27.4 23.4 35.2
279 5.0 4.4 6.6





#85
Di-n-octyl phthalate
Concen: 7.533 ng
RT: 23.029 min Scan# 3362
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

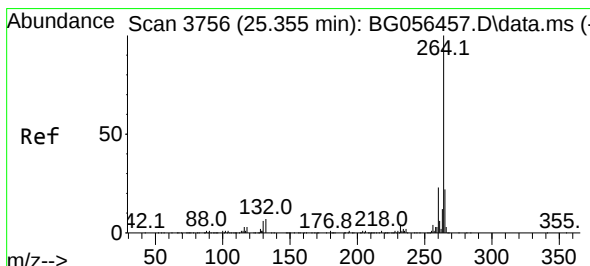
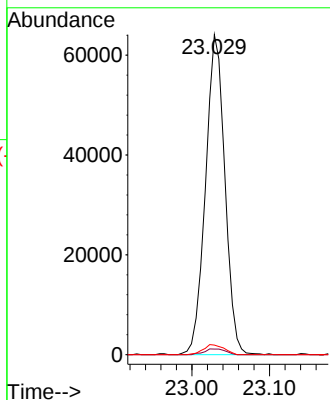
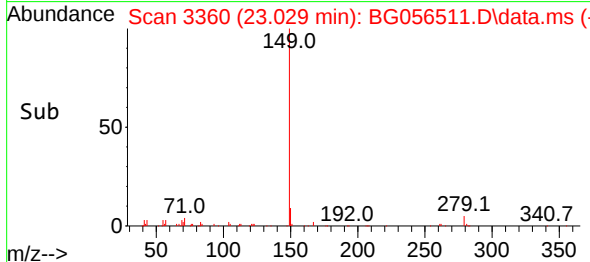
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:149 Resp: 111214
Ion Ratio Lower Upper
149 100
167 1.9 1.4 2.0
43 3.3 2.7 4.1

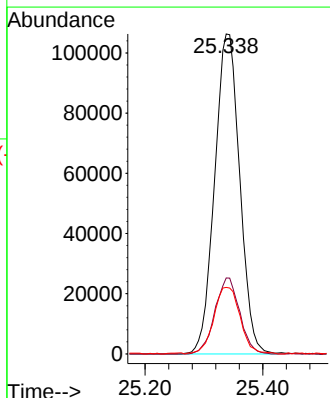
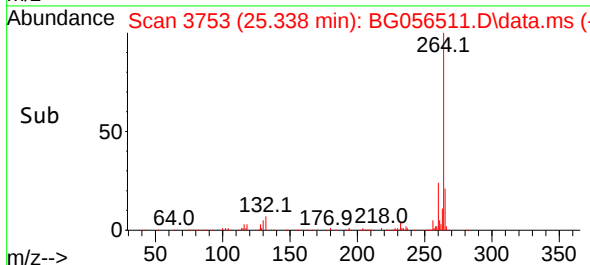
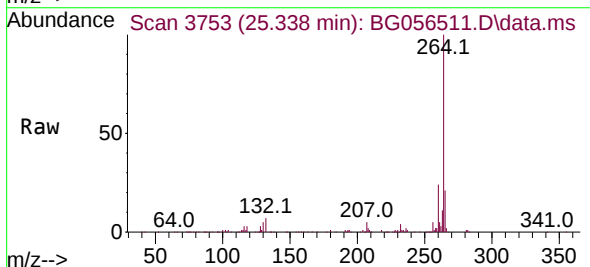
Manual Integrations
APPROVED

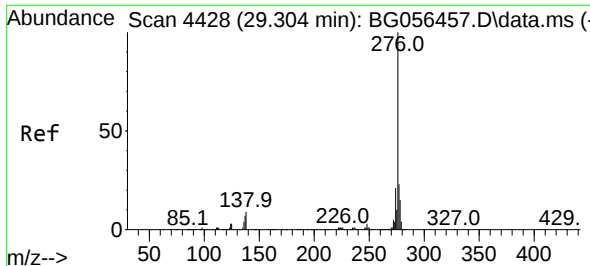
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.338 min Scan# 3753
Delta R.T. -0.006 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

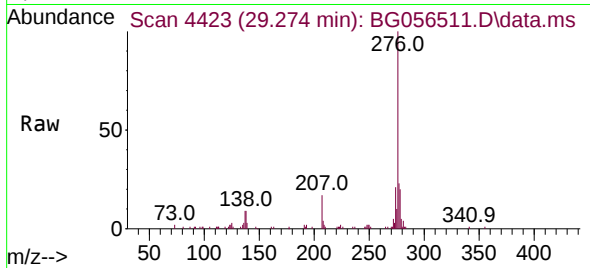
Tgt Ion:264 Resp: 314353
Ion Ratio Lower Upper
264 100
260 23.7 18.2 27.4
265 20.8 18.1 27.1





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.605 ng
 RT: 29.274 min Scan# 4428
 Delta R.T. -0.006 min
 Lab File: BG056511.D
 Acq: 2 Feb 2023 12:38

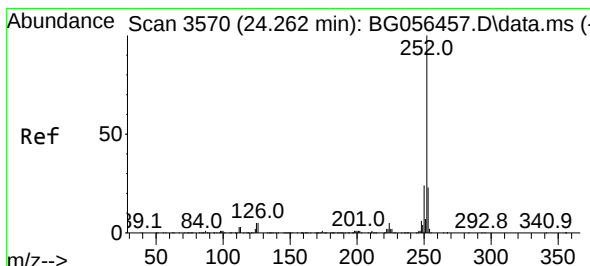
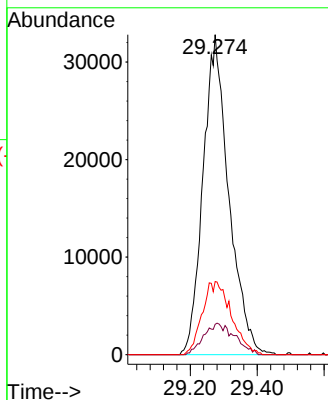
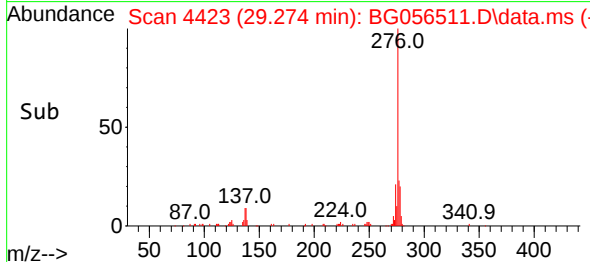
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2022



Tgt Ion:276 Resp: 174991
 Ion Ratio Lower Upper
 276 100
 138 11.7 9.4 14.2
 277 0.0 20.3 30.5

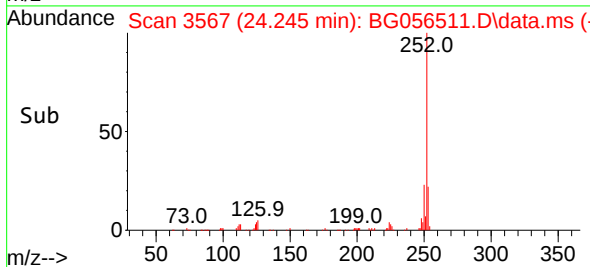
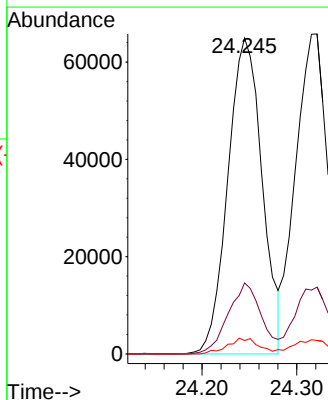
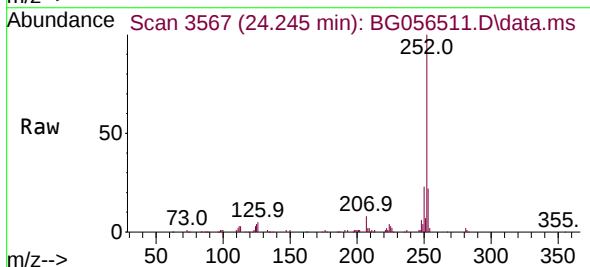
Manual Integrations
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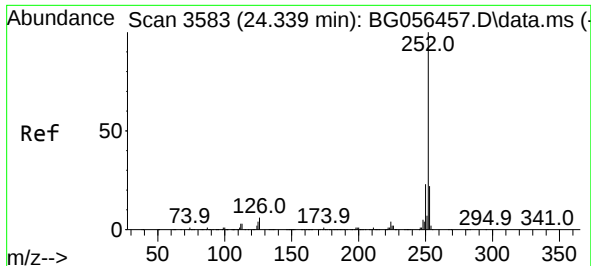
Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023



#88
 Benzo(b)fluoranthene
 Concen: 8.373 ng
 RT: 24.245 min Scan# 3567
 Delta R.T. -0.006 min
 Lab File: BG056511.D
 Acq: 2 Feb 2023 12:38

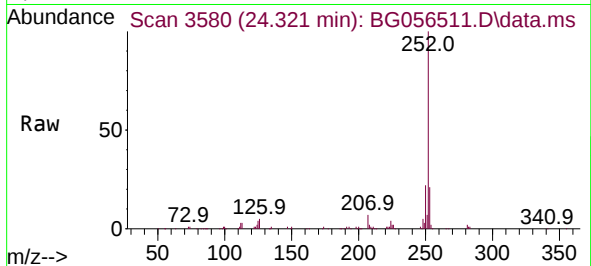
Tgt Ion:252 Resp: 163375
 Ion Ratio Lower Upper
 252 100
 253 22.5 18.1 27.1
 125 4.2 3.9 5.9





#89
Benzo(k)fluoranthene
Concen: 8.214 ng
RT: 24.321 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38

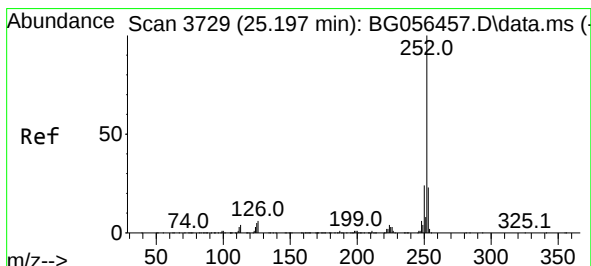
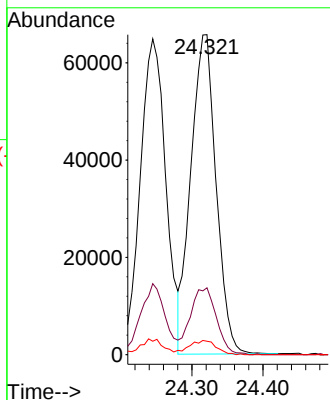
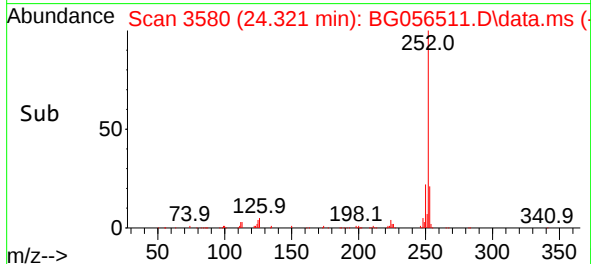
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



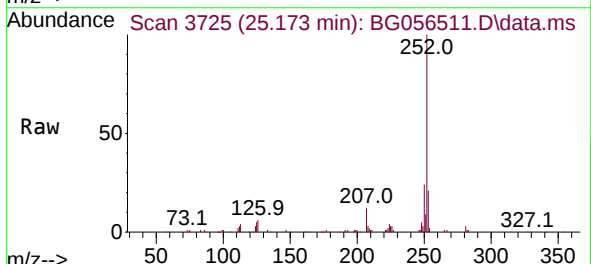
Tgt Ion:252 Resp: 161806
Ion Ratio Lower Upper
252 100
253 20.9 17.5 26.3
125 4.2 3.4 5.0

Manual Integrations
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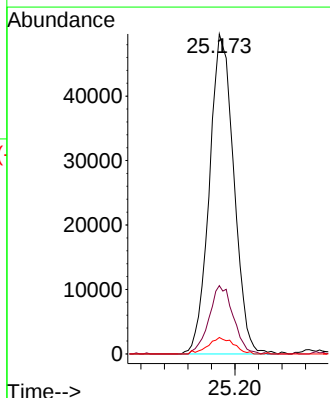
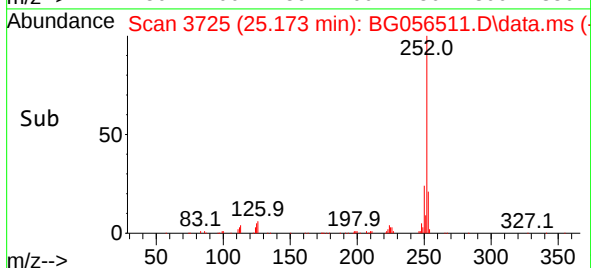
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

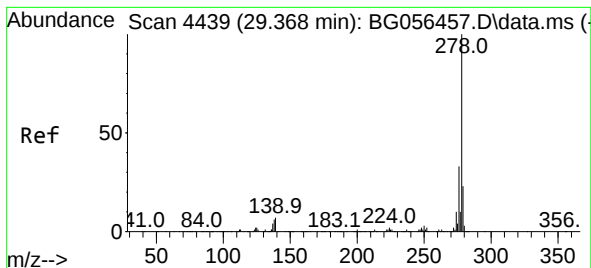


#90
Benzo(a)pyrene
Concen: 7.452 ng
RT: 25.173 min Scan# 3725
Delta R.T. -0.012 min
Lab File: BG056511.D
Acq: 2 Feb 2023 12:38



Tgt Ion:252 Resp: 143230
Ion Ratio Lower Upper
252 100
253 21.3 18.4 27.6
125 5.1 4.1 6.1





#91

Dibenzo(a,h)anthracene

Concen: 7.944 ng

RT: 29.321 min Scan# 4431

Delta R.T. -0.024 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:278 Resp: 153449

Ion Ratio Lower Upper

278 100

139 7.8 5.5 8.3

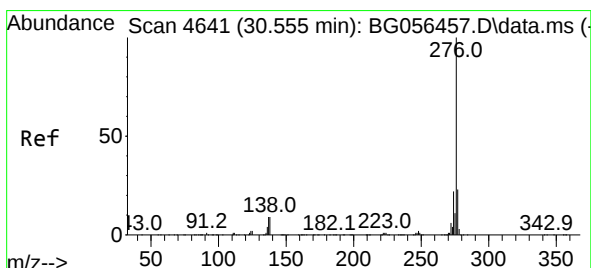
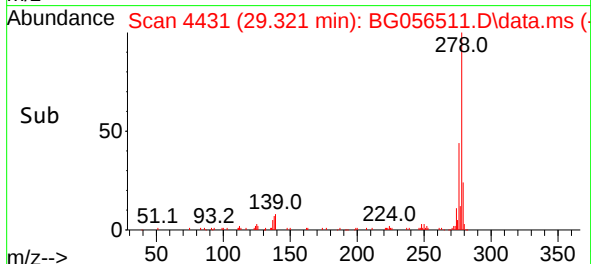
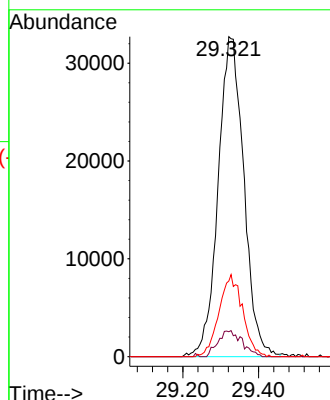
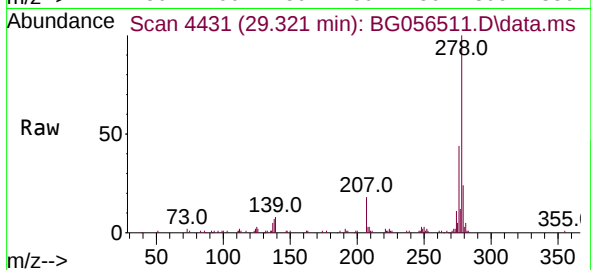
279 23.6 18.8 28.2

Manual Integrations

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Reviewed By :Christian Giraldo 02/03/2023

Supervised By :Jagrut Upadhyay 02/03/2023



#92

Benzo(g,h,i)perylene

Concen: 8.099 ng

RT: 30.502 min Scan# 4632

Delta R.T. -0.024 min

Lab File: BG056511.D

Acq: 2 Feb 2023 12:38

Tgt Ion:276 Resp: 150947

Ion Ratio Lower Upper

276 100

277 21.3 18.5 27.7

138 9.6 7.4 11.0

