

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013123\
 Data File : BG056487.D
 Acq On : 31 Jan 2023 16:11
 Operator : CG/JU
 Sample : N4955-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

Quant Time: Feb 01 01:23:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/01/2023
 Supervised By : Jagrut Upadhyay 02/01/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	37297	20.000	ng	0.00
21) Naphthalene-d8	11.108	136	141301	20.000	ng	0.00
39) Acenaphthene-d10	14.898	164	115349	20.000	ng	0.00
64) Phenanthrene-d10	17.636	188	292262	20.000	ng	0.00
76) Chrysene-d12	21.925	240	266124	20.000	ng	0.00
86) Perylene-d12	25.350	264	294093	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	217218	107.137	ng	0.00
7) Phenol-d6	7.424	99	312286	103.955	ng	0.00
23) Nitrobenzene-d5	9.451	82	182139	73.197	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	179414	116.997	ng	0.00
45) 2-Fluorobiphenyl	13.523	172	631841	75.943	ng	0.00
79) Terphenyl-d14	20.209	244	1148064	75.770	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.599	88	3580	4.241	ng	# 89
3) Pyridine	4.034	79	7506	2.983	ng	97
4) n-Nitrosodimethylamine	3.940	42	1896	3.543	ng	# 32
6) Aniline	7.588	93	13951	3.547	ng	97
8) 2-Chlorophenol	7.835	128	9456	4.246	ng	95
9) Benzaldehyde	7.400	77	7410	3.843	ng	# 84
10) Phenol	7.447	94	12580	4.120	ng	91
11) bis(2-Chloroethyl)ether	7.682	93	7916	3.772	ng	95
12) 1,3-Dichlorobenzene	8.164	146	9716m	3.789	ng	
13) 1,4-Dichlorobenzene	8.311	146	10968	4.223	ng	97
14) 1,2-Dichlorobenzene	8.634	146	9524	3.780	ng	92
15) Benzyl Alcohol	8.517	79	6830	3.314	ng	# 88
16) 2,2'-oxybis(1-Chloropr...	8.799	45	1735	3.902	ng	95
17) 2-Methylphenol	8.717	107	7883	3.394	ng	98
18) Hexachloroethane	9.369	117	3057	3.892	ng	91
19) n-Nitroso-di-n-propyla...	9.075	70	6428	3.713	ng	93
20) 3+4-Methylphenols	9.040	107	10715	3.292	ng	89
22) Acetophenone	9.104	105	14679	3.910	ng	# 96
24) Nitrobenzene	9.498	77	9708	4.045	ng	# 85
25) Isophorone	10.009	82	19711	3.840	ng	# 87
26) 2-Nitrophenol	10.215	139	5431	3.729	ng	93
27) 2,4-Dimethylphenol	10.262	122	7636	3.133	ng	98
28) bis(2-Chloroethoxy)met...	10.491	93	11051	3.897	ng	95
29) 2,4-Dichlorophenol	10.761	162	9740	3.550	ng	92
30) 1,2,4-Trichlorobenzene	10.967	180	13241	4.343	ng	# 92
31) Naphthalene	11.161	128	27416	3.676	ng	97
33) 4-Chloroaniline	11.267	127	12175	3.497	ng	94
34) Hexachlorobutadiene	11.431	225	9046	4.227	ng	97
35) Caprolactam	12.013	113	3431	3.708	ng	91
36) 4-Chloro-3-methylphenol	12.365	107	10374	3.916	ng	97
37) 2-Methylnaphthalene	12.741	142	21726	3.534	ng	95
38) 1-Methylnaphthalene	12.965	142	20210	3.520	ng	95
40) 1,2,4,5-Tetrachloroben...	13.106	216	15664	3.717	ng	94
41) Hexachlorocyclopentadiene	13.076	237	4543	8.243	ng	96
43) 2,4,6-Trichlorophenol	13.341	196	10192	3.753	ng	91
44) 2,4,5-Trichlorophenol	13.423	196	11043	3.473	ng	95

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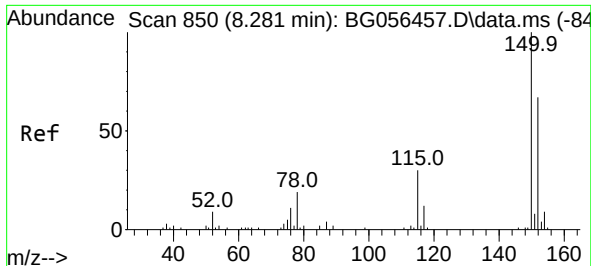
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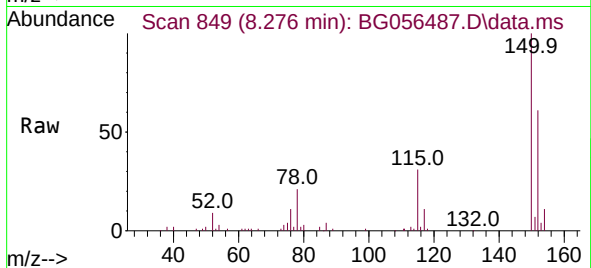
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.734	154	33201	3.968	ng	99
47) 2-Chloronaphthalene	13.781	162	25170	3.849	ng	99
48) 2-Nitroaniline	13.987	65	4497	3.326	ng #	71
49) Acenaphthylene	14.621	152	40918	3.846	ng	98
50) Dimethylphthalate	14.328	163	34532	3.700	ng	99
51) 2,6-Dinitrotoluene	14.463	165	7367	3.620	ng	97
52) Acenaphthene	14.956	154	24800	3.931	ng	93
53) 3-Nitroaniline	14.798	138	6745	3.419	ng #	93
55) Dibenzofuran	15.291	168	44060	3.894	ng	97
56) 4-Nitrophenol	15.109	139	5192	3.851	ng #	77
57) 2,4-Dinitrotoluene	15.250	165	11419	3.983	ng #	99
58) Fluorene	15.938	166	34858	3.871	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.520	232	9774	3.457	ng #	98
60) Diethylphthalate	15.679	149	33810	3.858	ng	99
61) 4-Chlorophenyl-phenyle...	15.914	204	20533	3.737	ng	98
62) 4-Nitroaniline	15.949	138	6817	3.453	ng	94
63) Azobenzene	16.214	77	22901	3.798	ng	95
65) 4,6-Dinitro-2-methylph...	16.014	198	5777	2.812	ng	89
66) n-Nitrosodiphenylamine	16.131	169	31277	3.780	ng	97
67) 4-Bromophenyl-phenylether	16.813	248	14886	3.979	ng	96
68) Hexachlorobenzene	16.942	284	14936	4.076	ng	97
69) Atrazine	17.066	200	13873	4.346	ng	96
70) Pentachlorophenol	17.289	266	6091	2.747	ng	92
71) Phenanthrene	17.677	178	58930	3.853	ng	96
72) Anthracene	17.765	178	60366	3.844	ng	100
73) Carbazole	18.029	167	51529	3.853	ng	99
74) Di-n-butylphthalate	18.558	149	52747	3.756	ng	99
75) Fluoranthene	19.668	202	74480	3.858	ng	98
77) Benzidine	19.839	184	36639	5.088	ng	97
78) Pyrene	20.033	202	80022	4.228	ng	97
80) Butylbenzylphthalate	20.885	149	21220	3.671	ng	97
81) Benzo(a)anthracene	21.901	228	71679	3.853	ng	100
82) 3,3'-Dichlorobenzidine	21.801	252	30113	4.495	ng	97
83) Chrysene	21.972	228	67216	3.845	ng	97
84) Bis(2-ethylhexyl)phtha...	21.760	149	30703	3.705	ng	98
85) Di-n-octyl phthalate	23.029	149	50308	3.645	ng #	95
87) Indeno(1,2,3-cd)pyrene	29.275	276	78795	3.660	ng #	93
88) Benzo(b)fluoranthene	24.245	252	72613	3.978	ng	99
89) Benzo(k)fluoranthene	24.316	252	71603	3.885	ng	98
90) Benzo(a)pyrene	25.180	252	66412	3.693	ng	98
91) Dibenzo(a,h)anthracene	29.334	278	70772	3.916	ng #	98
92) Benzo(g,h,i)perylene	30.515	276	67744	3.885	ng #	92

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 849
Delta R.T. 0.001 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

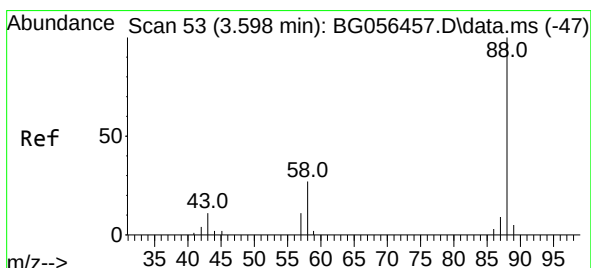
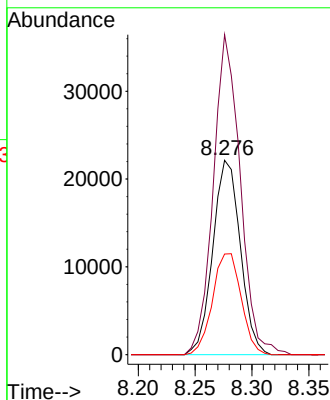
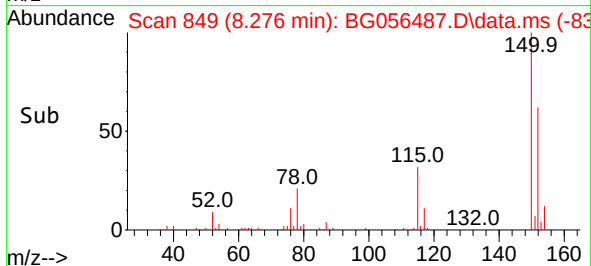
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion: 152 Resp: 3729
Ion Ratio Lower Upper
152 100
150 164.7 120.2 180.4
115 51.8 36.3 54.5

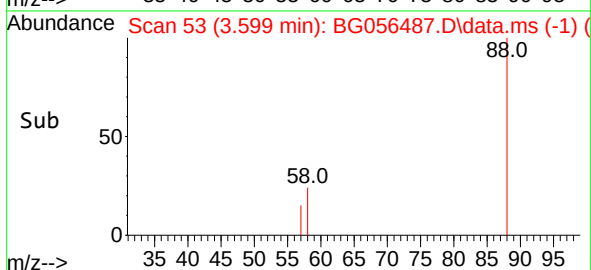
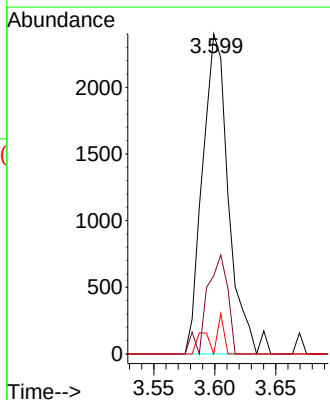
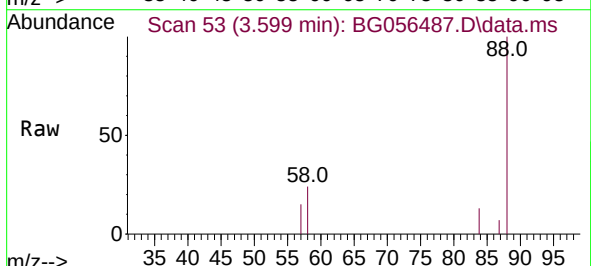
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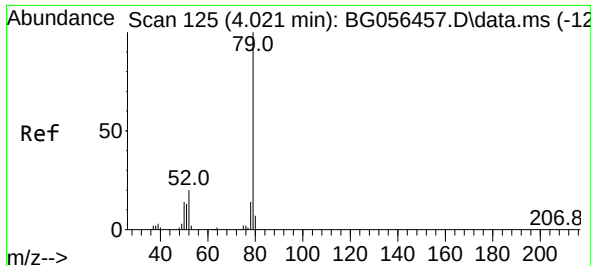
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#2
1,4-Dioxane
Concen: 4.241 ng
RT: 3.599 min Scan# 53
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Tgt Ion: 88 Resp: 3580
Ion Ratio Lower Upper
88 100
58 24.4 23.0 34.4
43 3.1 8.0 12.0#





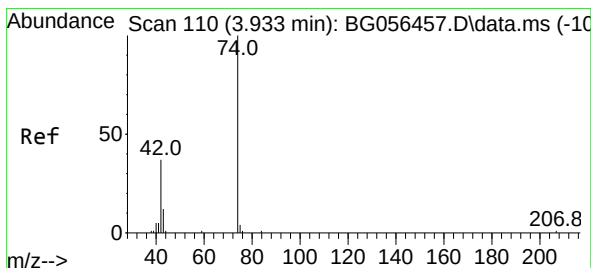
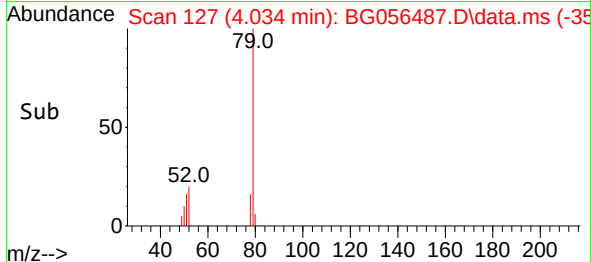
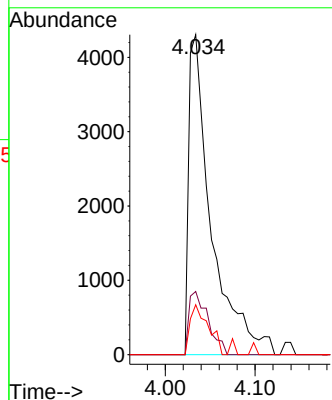
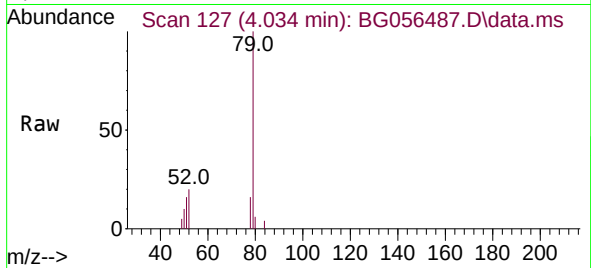
#3
Pyridine
Concen: 2.983 ng
RT: 4.034 min Scan# 110
Delta R.T. 0.012 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 79 Resp: 7500
Ion Ratio Lower Upper
79 100
52 19.7 16.1 24.1
51 15.6 10.7 16.1

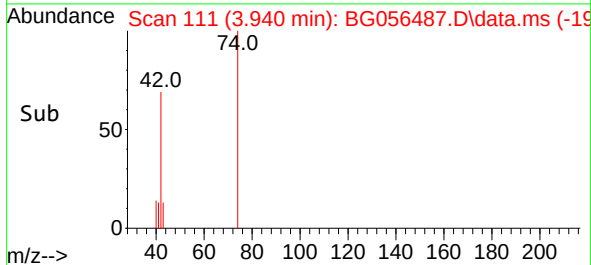
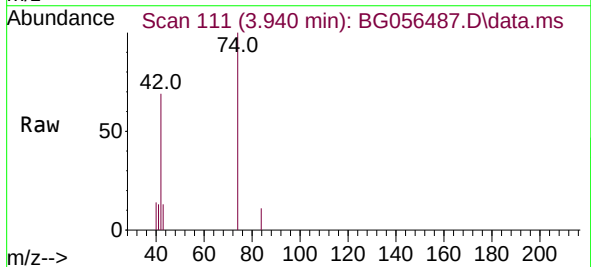
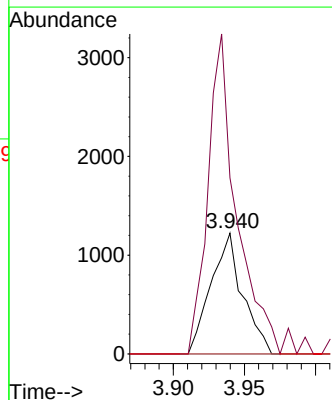
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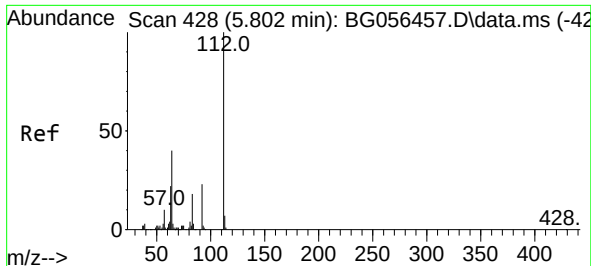
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#4
n-Nitrosodimethylamine
Concen: 3.543 ng
RT: 3.940 min Scan# 111
Delta R.T. 0.012 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Tgt Ion: 42 Resp: 1896
Ion Ratio Lower Upper
42 100
74 145.9 217.9 326.9#
44 0.0 3.0 4.6#





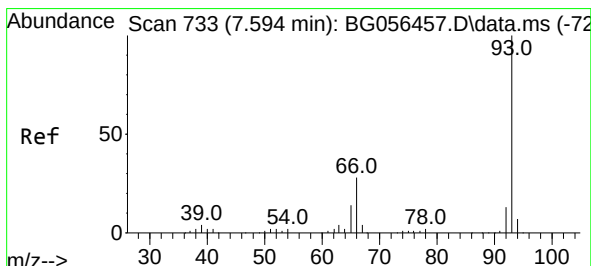
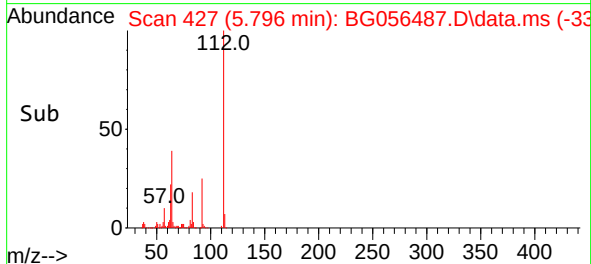
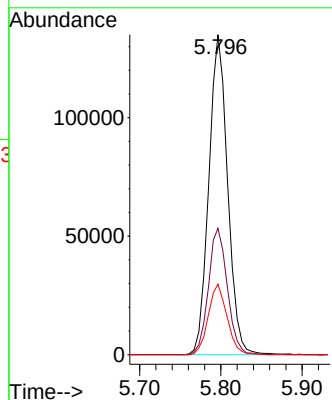
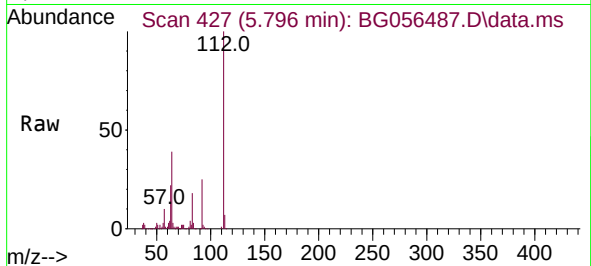
#5
2-Fluorophenol
Concen: 107.137 ng
RT: 5.796 min Scan# 428
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:112 Resp: 217218
Ion Ratio Lower Upper
112 100
64 39.5 31.9 47.9
63 22.0 17.4 26.0

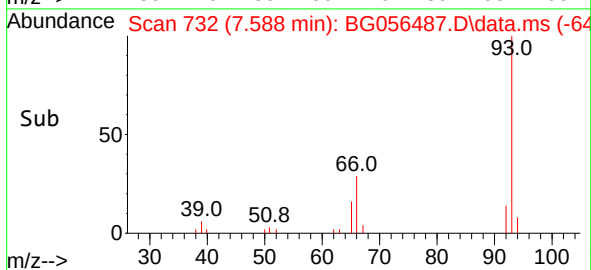
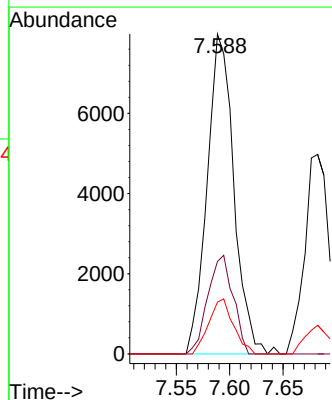
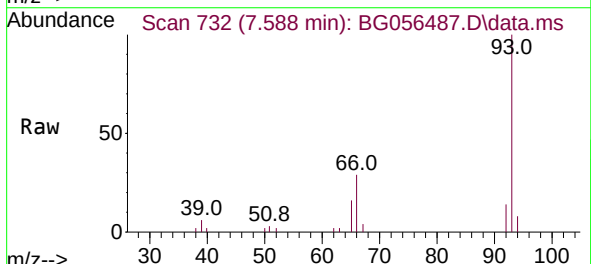
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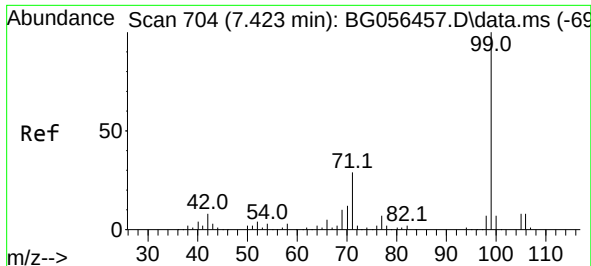
Reviewed By :Christian Giraldo 02/01/2023
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#6
Aniline
Concen: 3.547 ng
RT: 7.588 min Scan# 732
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

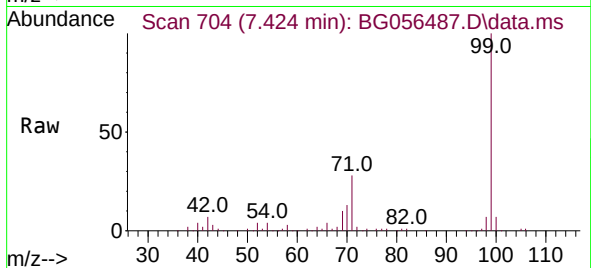
Tgt Ion: 93 Resp: 13951
Ion Ratio Lower Upper
93 100
66 28.9 22.2 33.2
65 16.2 11.3 16.9





#7
Phenol-d6
Concen: 103.955 ng
RT: 7.424 min Scan# 704
Delta R.T. 0.006 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

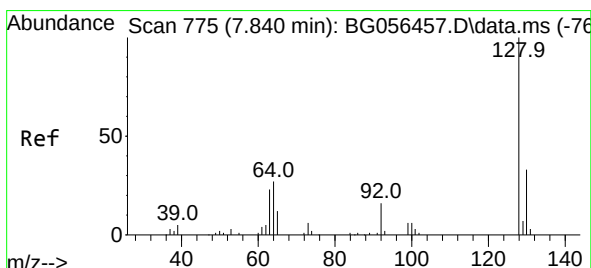
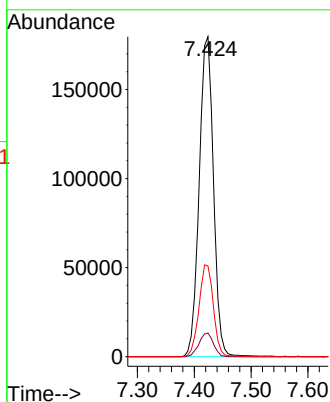
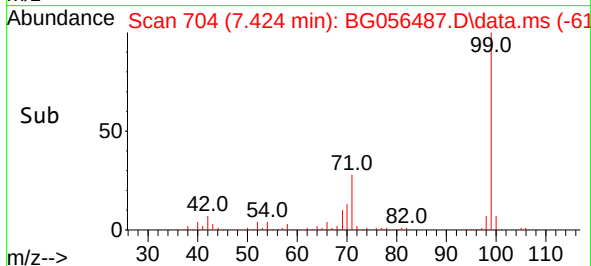
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ClientSampleId :
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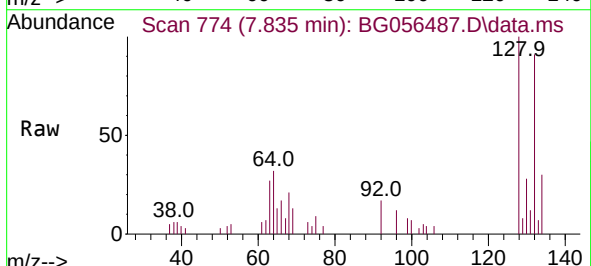
Tgt Ion: 99 Resp: 312286
Ion Ratio Lower Upper
99 100
42 7.4 6.6 10.0
71 28.3 23.4 35.0

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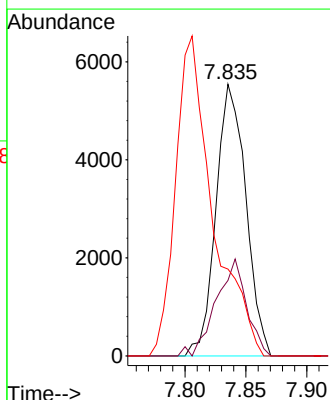
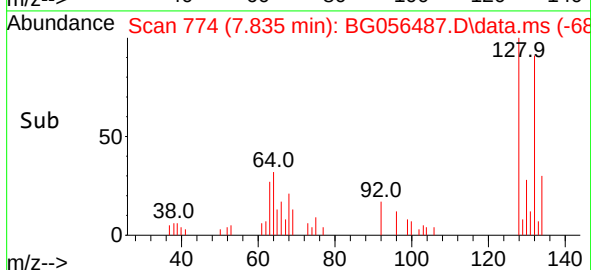
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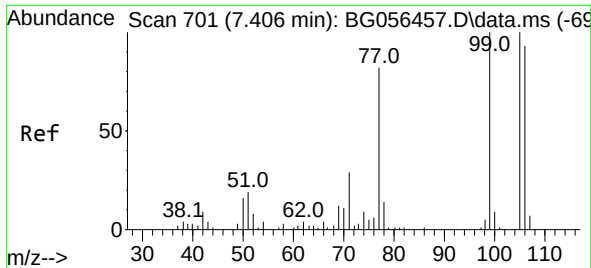


#8
2-Chlorophenol
Concen: 4.246 ng
RT: 7.835 min Scan# 774
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



Tgt Ion:128 Resp: 9456
Ion Ratio Lower Upper
128 100
130 27.8 12.8 52.8
64 31.9 11.3 51.3





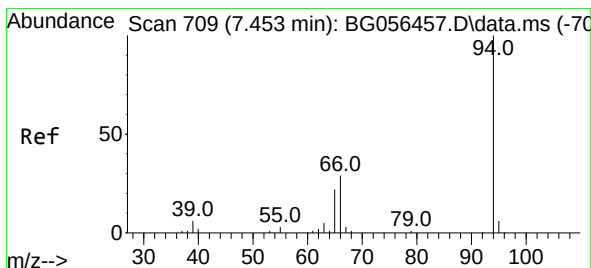
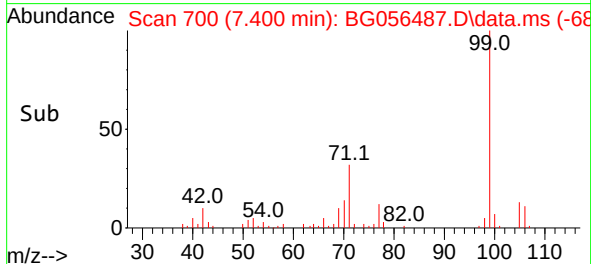
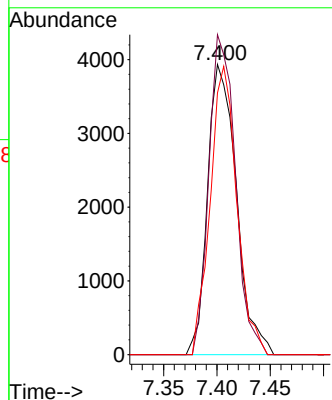
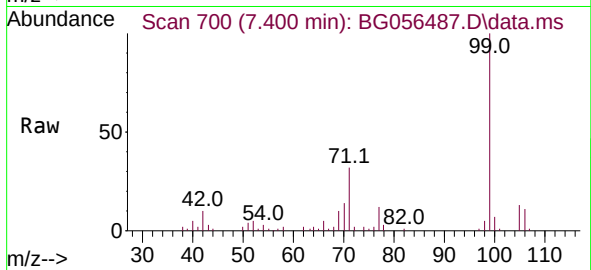
#9
Benzaldehyde
Concen: 3.843 ng
RT: 7.400 min Scan# 701
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 77 Resp: 7410
Ion Ratio Lower Upper
77 100
105 110.3 101.8 141.8
106 90.2 93.0 133.0

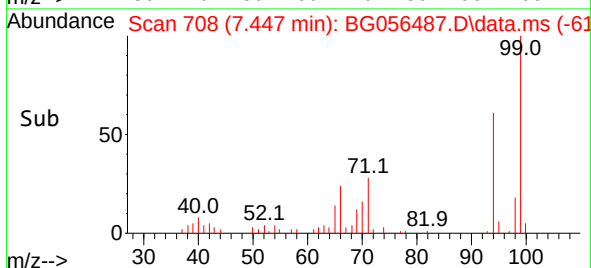
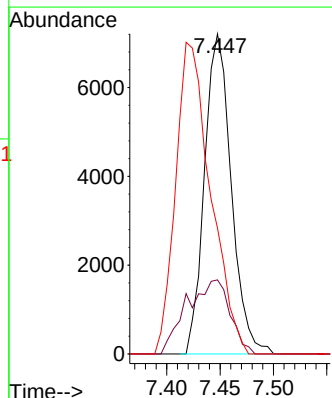
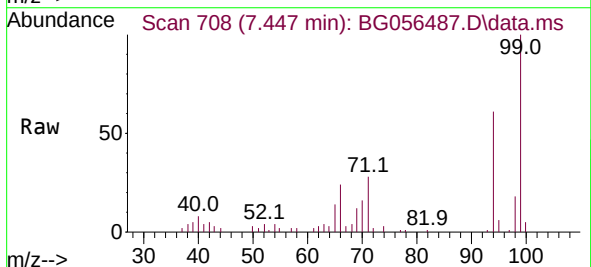
Manual Integrations
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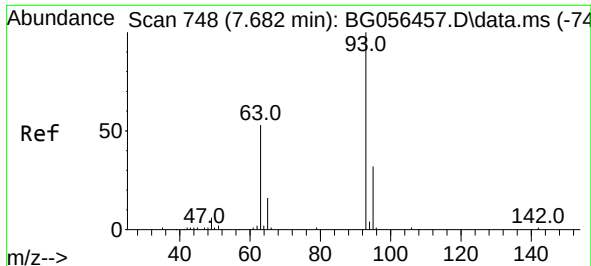
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#10
Phenol
Concen: 4.120 ng
RT: 7.447 min Scan# 708
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Tgt Ion: 94 Resp: 12580
Ion Ratio Lower Upper
94 100
65 23.1 2.3 42.3
66 39.4 11.2 51.2





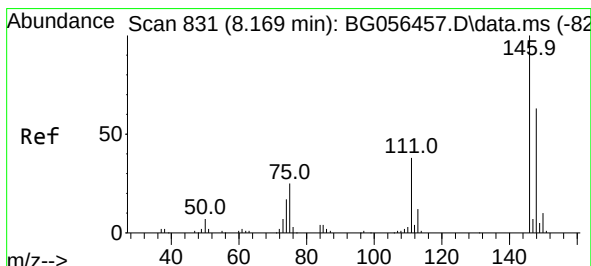
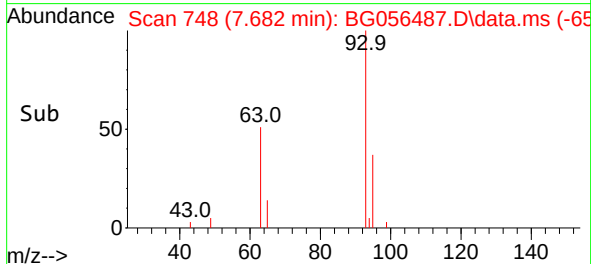
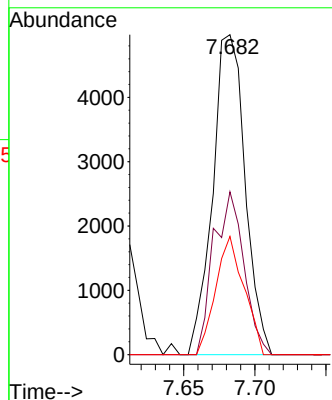
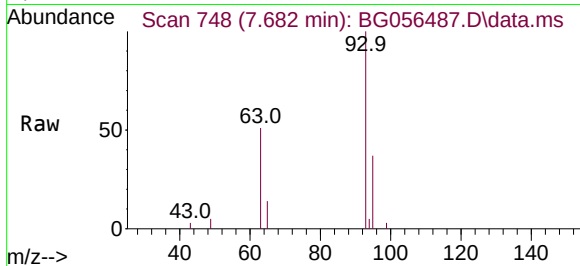
#11
bis(2-Chloroethyl)ether
Concen: 3.772 ng
RT: 7.682 min Scan# 74
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 93 Resp: 7916
Ion Ratio Lower Upper
93 100
63 50.9 32.4 72.4
95 36.9 11.8 51.8

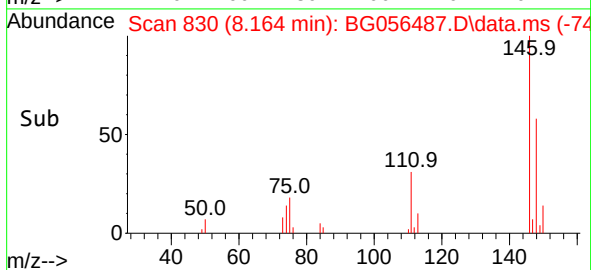
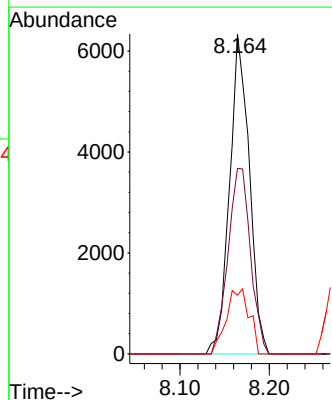
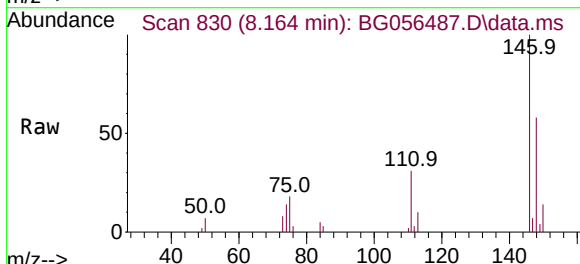
Manual Integrations
APPROVED

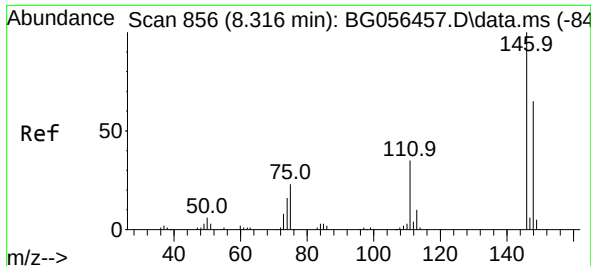
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#12
1,3-Dichlorobenzene
Concen: 3.789 ng m
RT: 8.164 min Scan# 830
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Tgt Ion:146 Resp: 9716
Ion Ratio Lower Upper
146 100
148 58.0 50.6 75.8
75 18.3 19.6 29.4#





#13

1,4-Dichlorobenzene

Concen: 4.223 ng

RT: 8.311 min Scan# 856

Delta R.T. 0.000 min

Lab File: BG056487.D

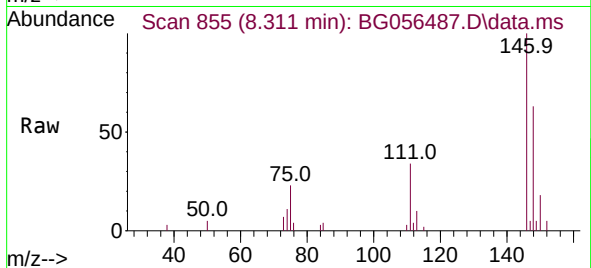
Acq: 31 Jan 2023 16:11

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:146 Resp: 10968

Ion Ratio Lower Upper

146 100

148 62.7 51.8 77.6

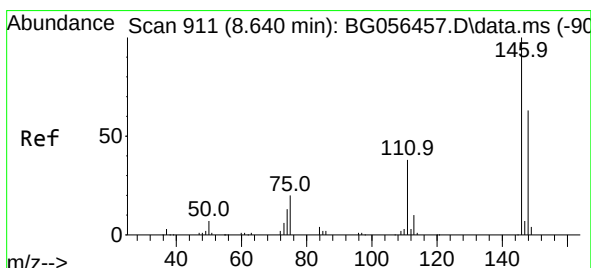
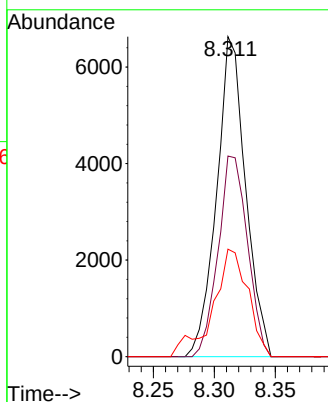
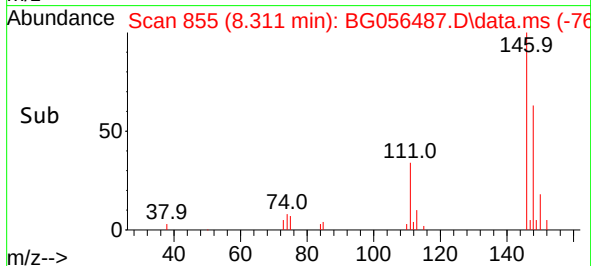
111 33.6 28.6 42.8

Manual Integrations

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Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#14

1,2-Dichlorobenzene

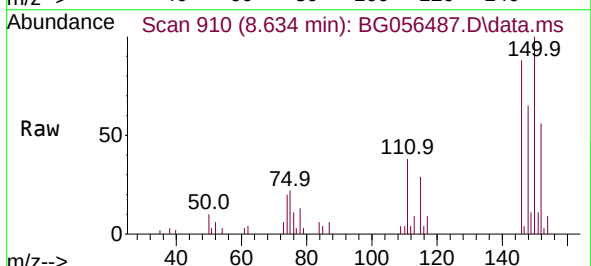
Concen: 3.780 ng

RT: 8.634 min Scan# 910

Delta R.T. 0.000 min

Lab File: BG056487.D

Acq: 31 Jan 2023 16:11



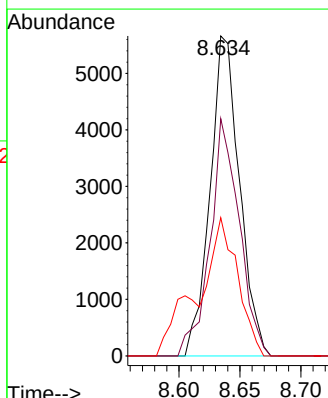
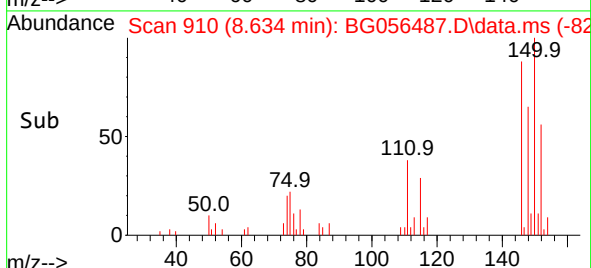
Tgt Ion:146 Resp: 9524

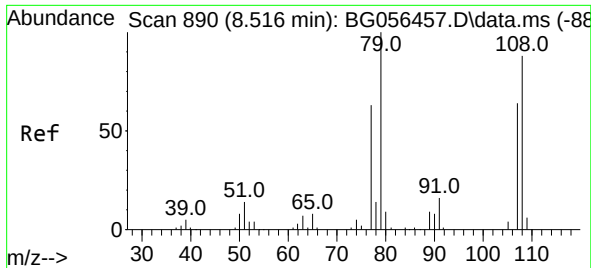
Ion Ratio Lower Upper

146 100

148 70.7 50.1 75.1

111 41.2 30.9 46.3





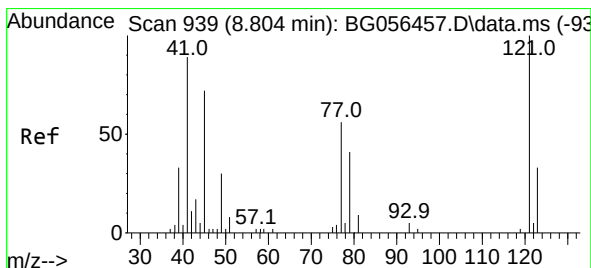
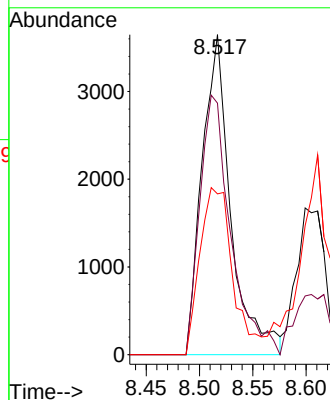
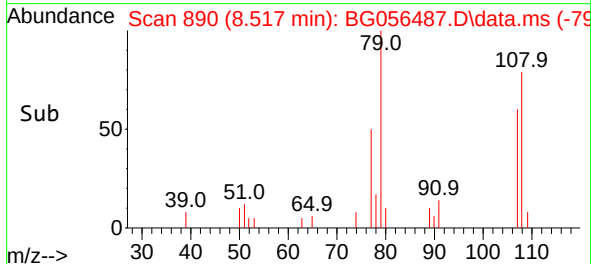
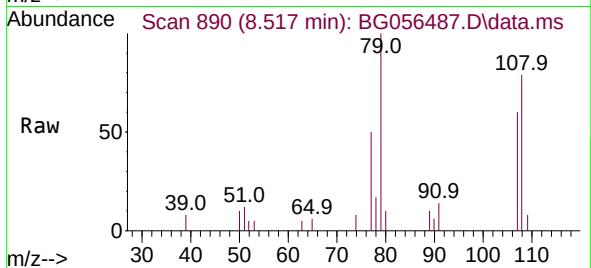
#15
Benzyl Alcohol
Concen: 3.314 ng
RT: 8.517 min Scan# 890
Delta R.T. 0.006 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 79 Resp: 6830
Ion Ratio Lower Upper
79 100
108 78.6 70.1 105.1
77 50.2 50.3 75.5

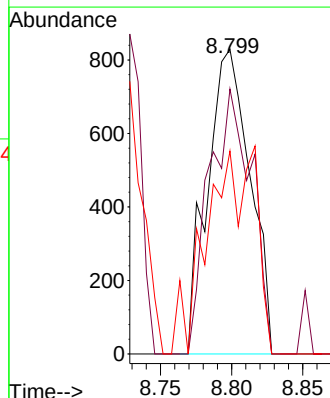
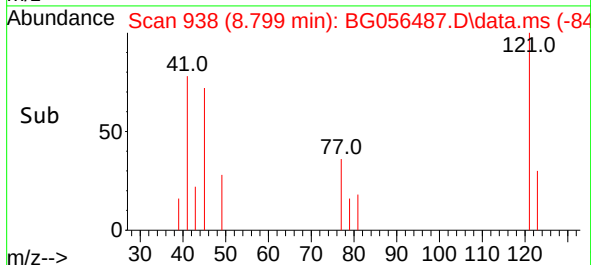
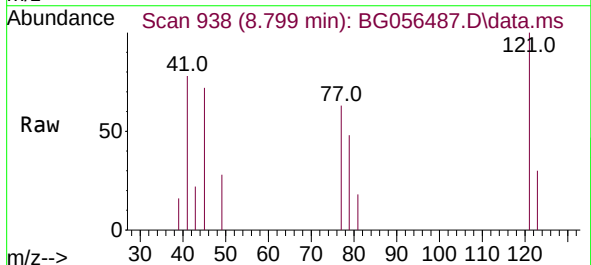
Manual Integrations
APPROVED

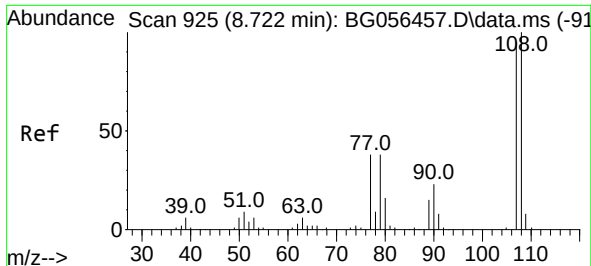
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.902 ng
RT: 8.799 min Scan# 938
Delta R.T. 0.006 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

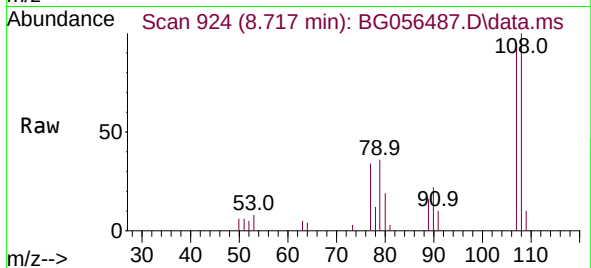
Tgt Ion: 45 Resp: 1735
Ion Ratio Lower Upper
45 100
77 87.0 62.1 102.1
79 66.6 42.7 82.7





#17
2-Methylphenol
Concen: 3.394 ng
RT: 8.717 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

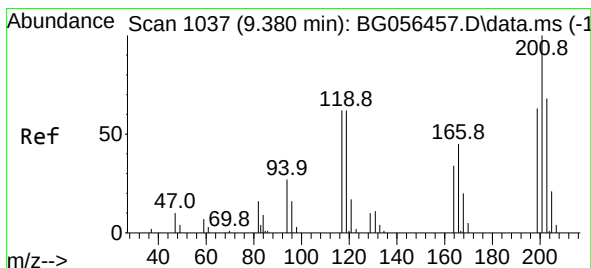
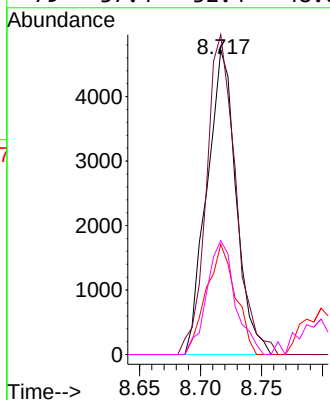
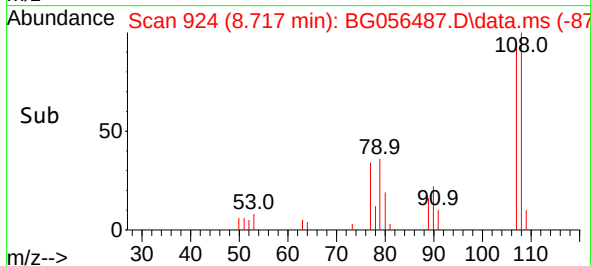
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



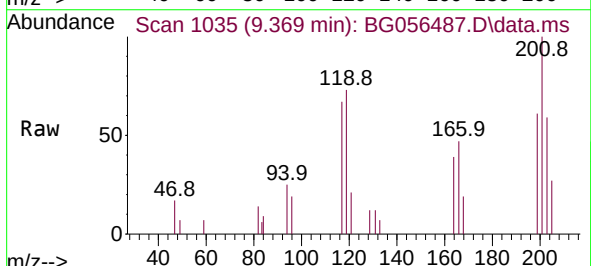
Tgt Ion:	107	Resp:	788
Ion	Ratio	Lower	Upper
107	100		
108	105.0	83.9	125.9
77	36.2	31.6	47.4
79	37.4	32.4	48.6

Manual Integrations
APPROVED

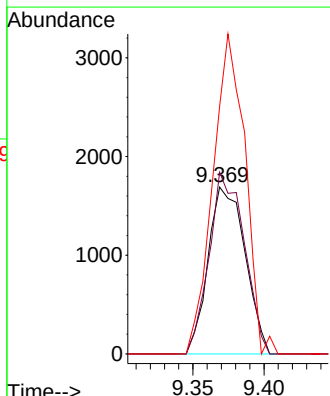
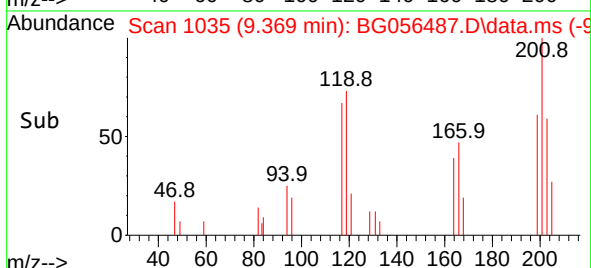
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

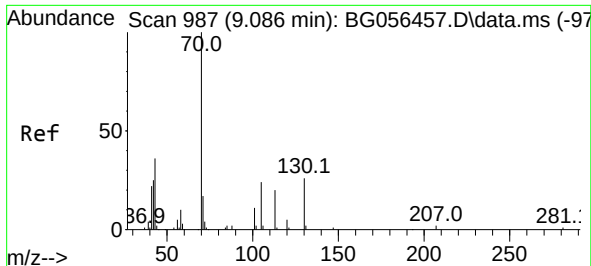


#18
Hexachloroethane
Concen: 3.892 ng
RT: 9.369 min Scan# 1035
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



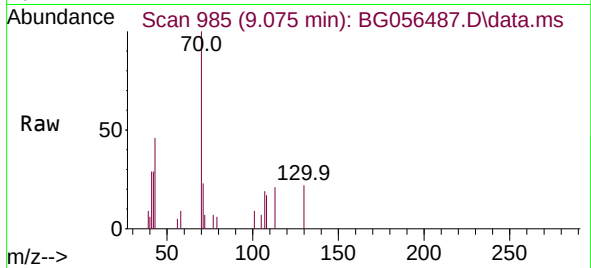
Tgt Ion:	117	Resp:	3057
Ion	Ratio	Lower	Upper
117	100		
119	108.9	79.4	119.0
201	148.5	128.5	192.7





#19
n-Nitroso-di-n-propylamine
Concen: 3.713 ng
RT: 9.075 min Scan# 985
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

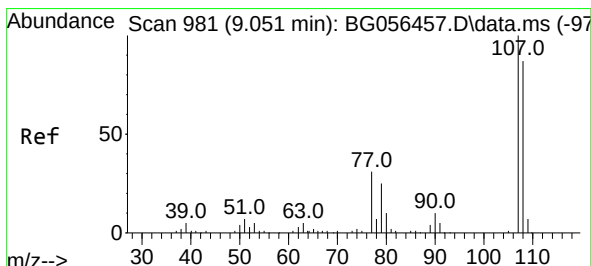
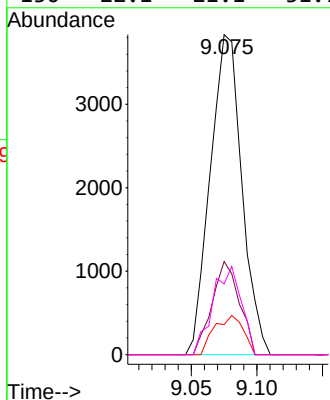
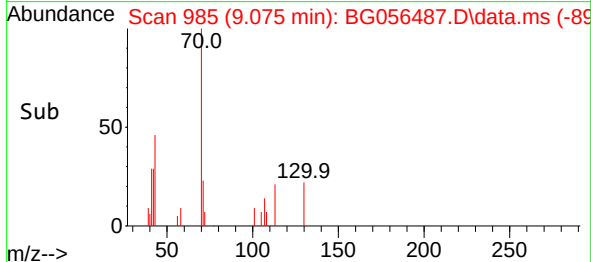
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



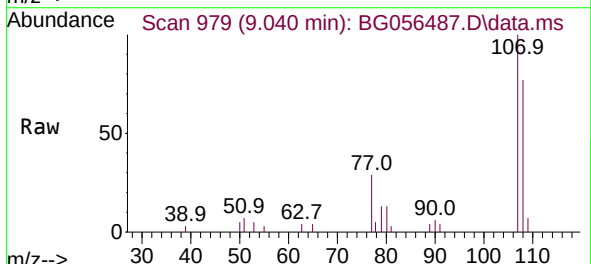
Tgt Ion: 70 Resp: 6428
Ion Ratio Lower Upper
70 100
42 29.1 20.2 30.4
101 9.4 9.1 13.7
130 22.1 21.1 31.7

Manual Integrations
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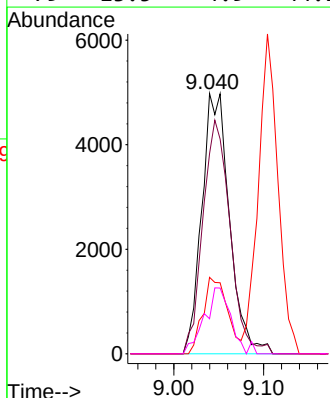
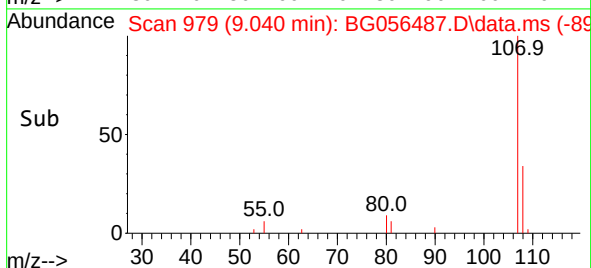
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

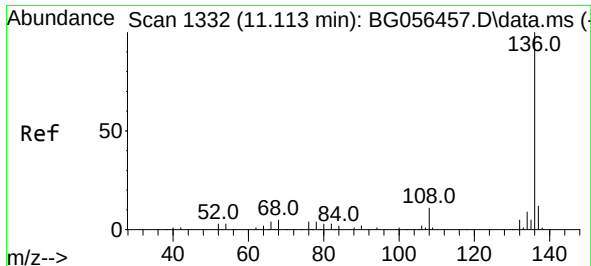


#20
3+4-Methylphenols
Concen: 3.292 ng
RT: 9.040 min Scan# 979
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



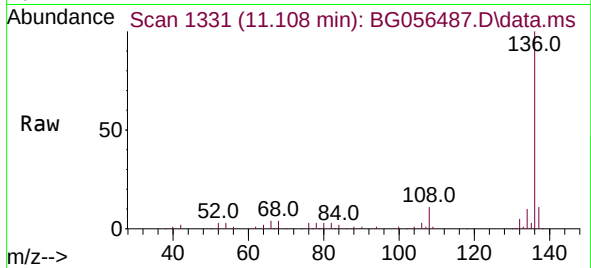
Tgt Ion:107 Resp: 10715
Ion Ratio Lower Upper
107 100
108 76.9 66.7 106.7
77 29.4 10.6 50.6
79 13.5 4.9 44.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.108 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

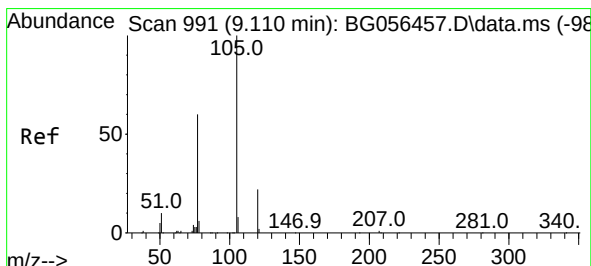
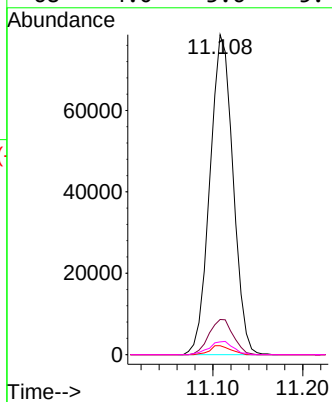
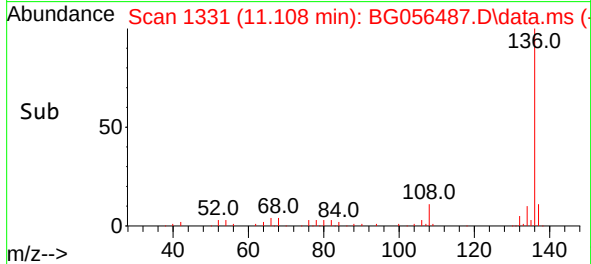


Tgt Ion:136 Resp: 141301

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.4	14.0
54	2.8	2.2	3.4
68	4.0	3.6	5.4

Manual Integrations
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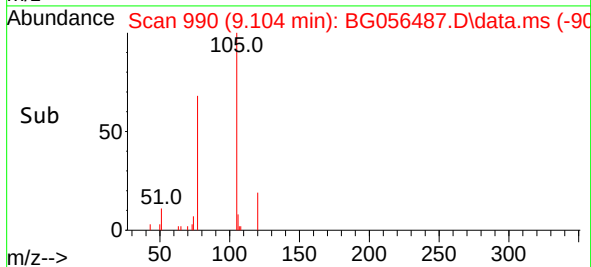
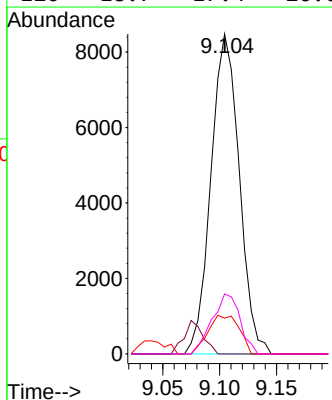
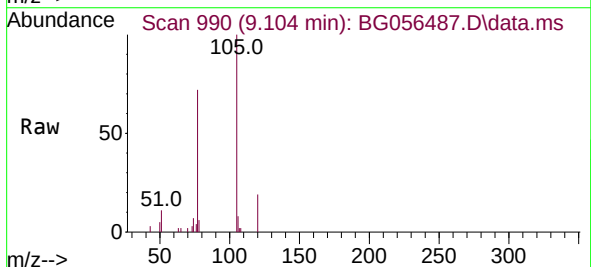
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

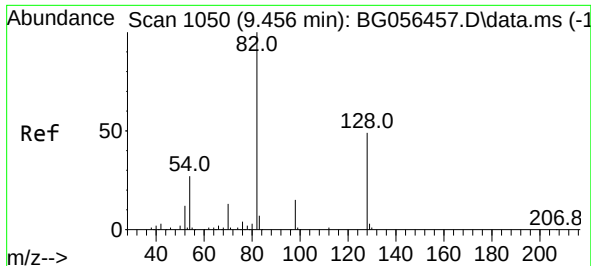


#22
Acetophenone
Concen: 3.910 ng
RT: 9.104 min Scan# 990
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Tgt Ion:105 Resp: 14679

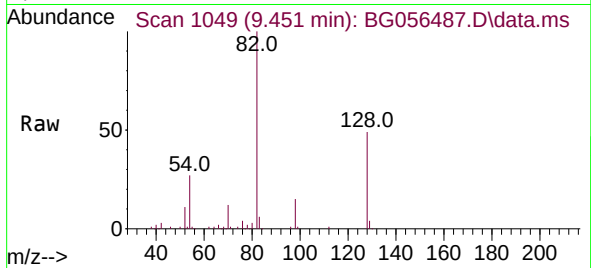
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	0.8
51	11.2	9.2	13.8
120	18.7	17.4	26.0





#23
Nitrobenzene-d5
Concen: 73.197 ng
RT: 9.451 min Scan# 1049
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

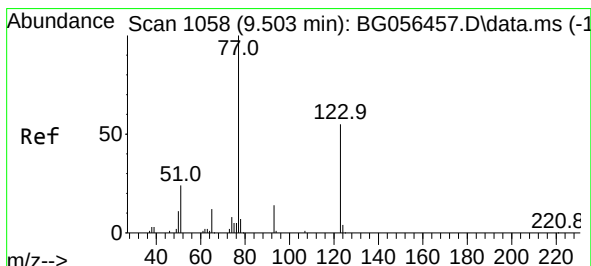
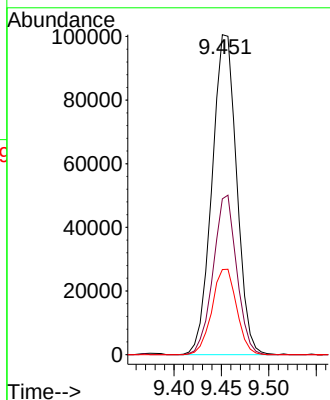
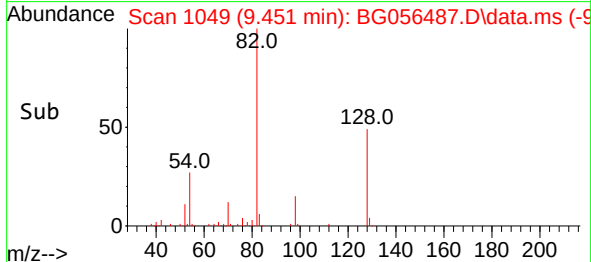
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



Tgt Ion: 82 Resp: 182139
Ion Ratio Lower Upper
82 100
128 48.7 39.4 59.2
54 26.6 21.4 32.2

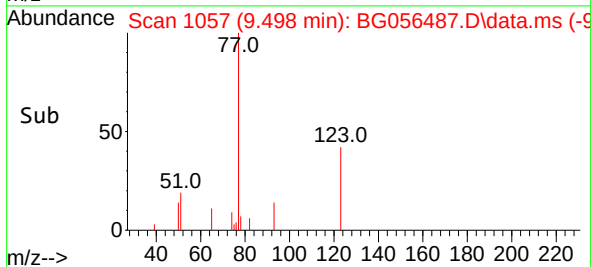
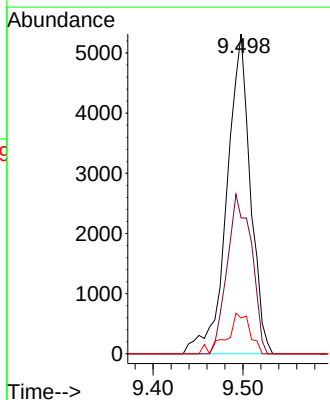
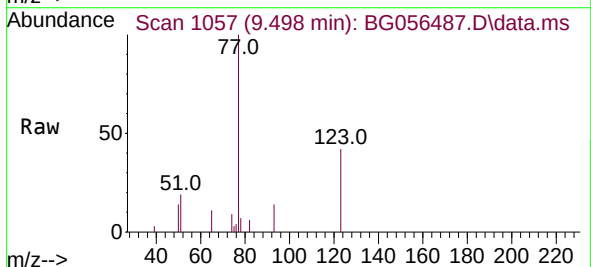
Manual Integrations
APPROVED

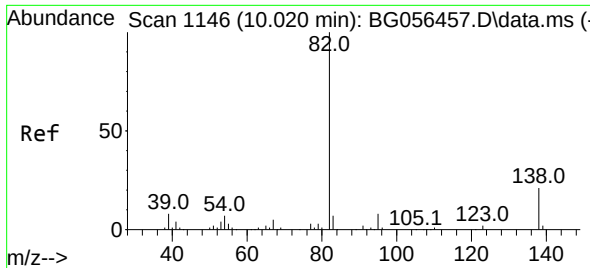
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#24
Nitrobenzene
Concen: 4.045 ng
RT: 9.498 min Scan# 1057
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Tgt Ion: 77 Resp: 9708
Ion Ratio Lower Upper
77 100
123 42.5 44.0 66.0#
65 11.2 9.7 14.5





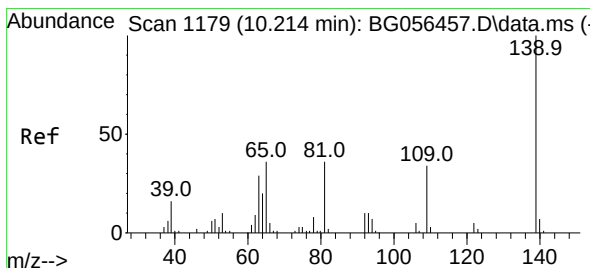
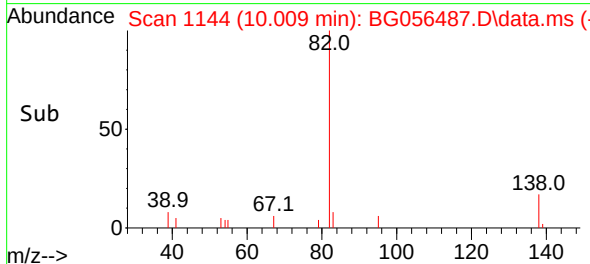
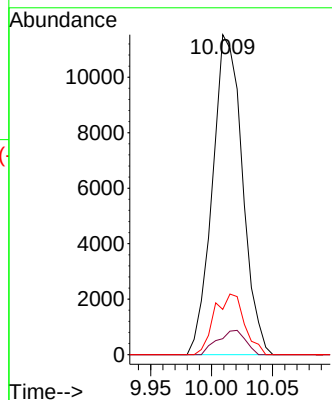
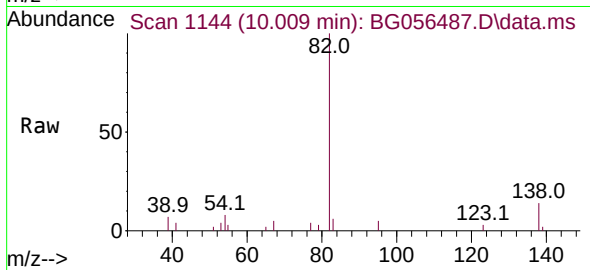
#25
Isophorone
Concen: 3.840 ng
RT: 10.009 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 82 Resp: 1971
Ion Ratio Lower Upper
82 100
95 5.0 6.3 9.5
138 14.1 16.6 25.0

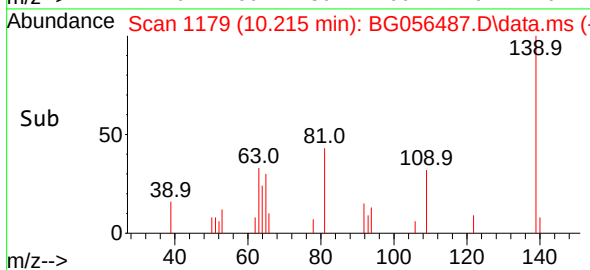
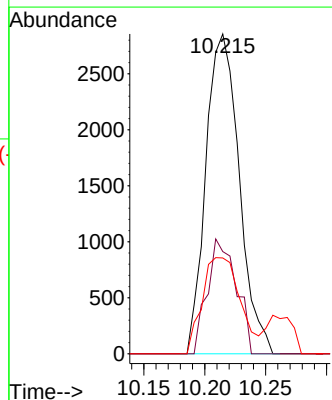
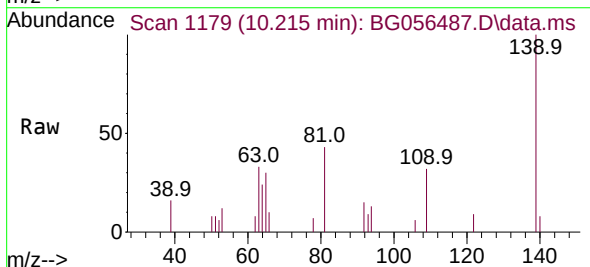
Manual Integrations
APPROVED

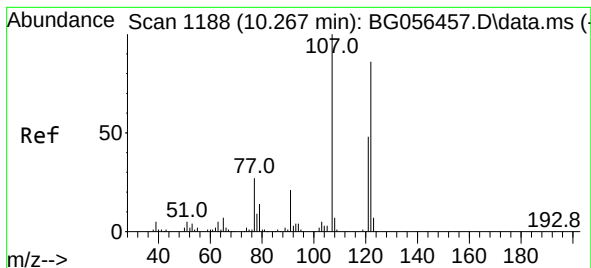
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#26
2-Nitrophenol
Concen: 3.729 ng
RT: 10.215 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

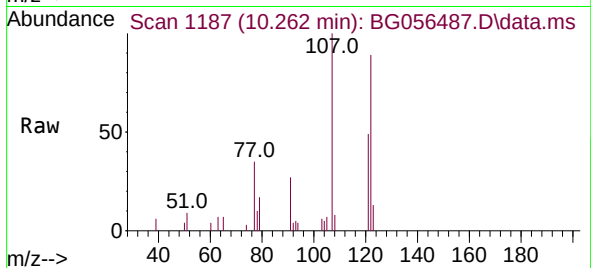
Tgt Ion:139 Resp: 5431
Ion Ratio Lower Upper
139 100
109 32.0 26.9 40.3
65 30.0 29.0 43.4





#27
2,4-Dimethylphenol
Concen: 3.133 ng
RT: 10.262 min Scan# 1187
Delta R.T. 0.006 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

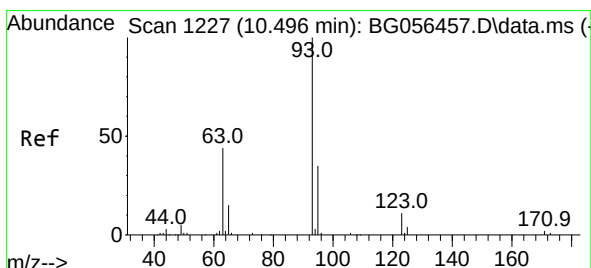
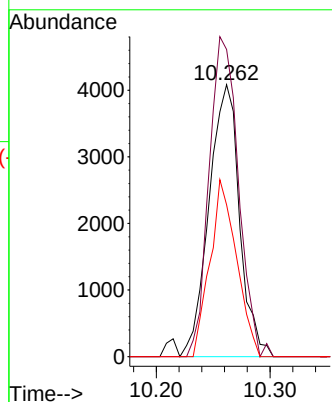
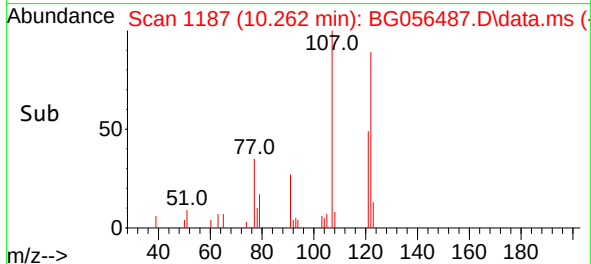
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:122 Resp: 7636
Ion Ratio Lower Upper
122 100
107 113.0 92.9 139.3
121 55.8 45.0 67.4

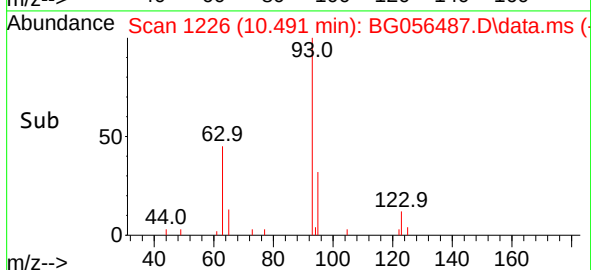
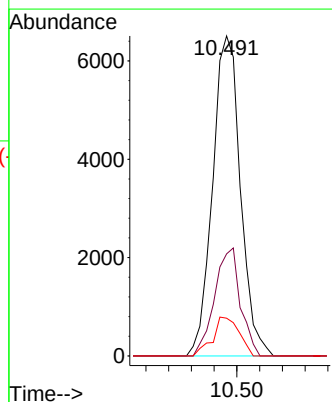
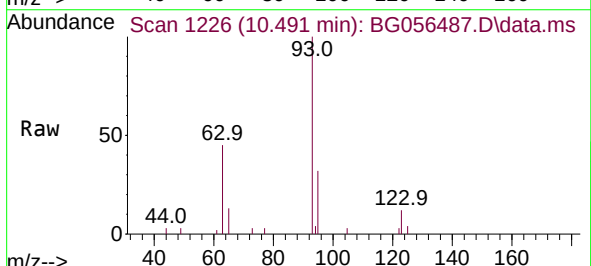
Manual Integrations
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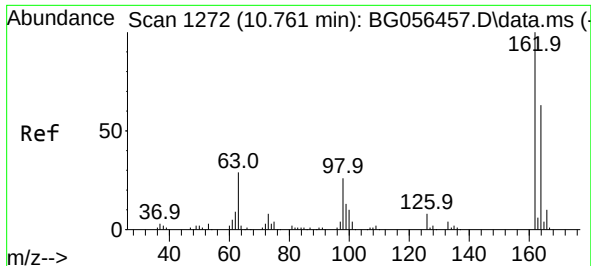
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#28
bis(2-Chloroethoxy)methane
Concen: 3.897 ng
RT: 10.491 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Tgt Ion: 93 Resp: 11051
Ion Ratio Lower Upper
93 100
95 31.9 27.9 41.9
123 11.8 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 3.550 ng

RT: 10.761 min Scan# 11

Delta R.T. 0.006 min

Lab File: BG056487.D

Acq: 31 Jan 2023 16:11

Instrument :

BNA_G

ClientSampleId :

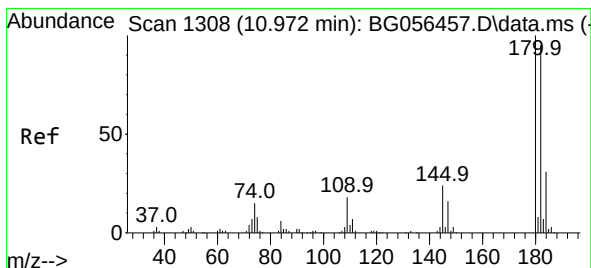
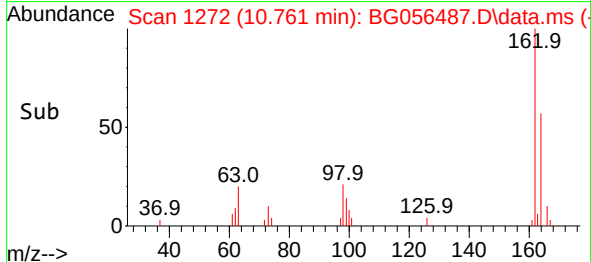
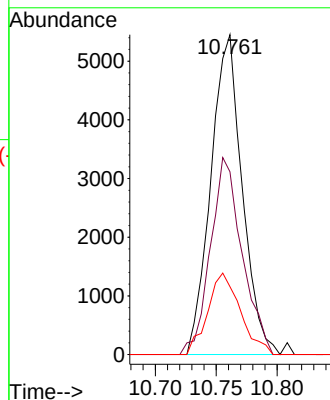
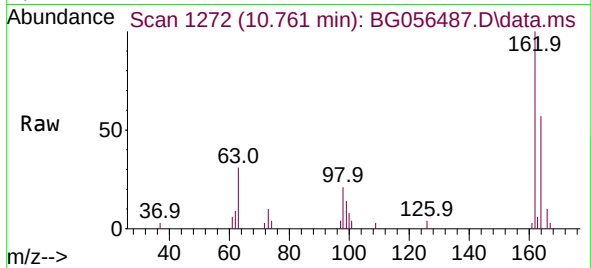
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:162	Resp:	9740
Ion Ratio	Lower	Upper
162	100	
164	57.1	42.8 82.8
98	21.2	6.5 46.5

Manual Integrations

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Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#30

1,2,4-Trichlorobenzene

Concen: 4.343 ng

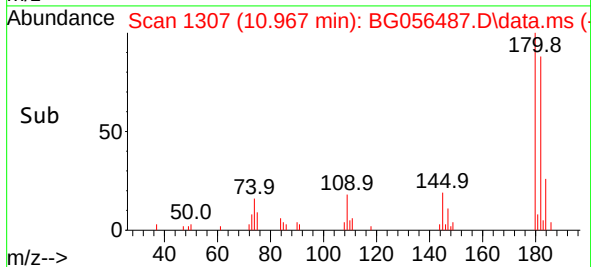
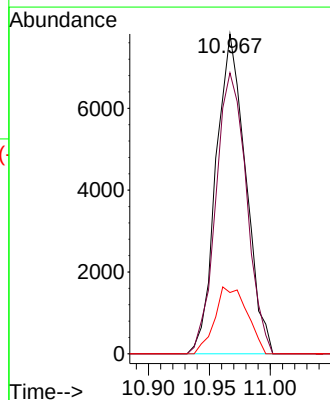
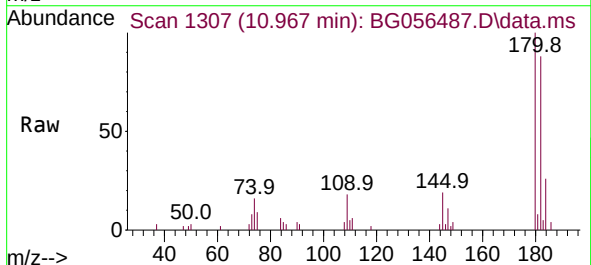
RT: 10.967 min Scan# 1307

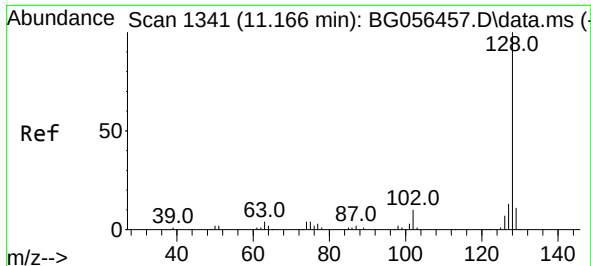
Delta R.T. 0.000 min

Lab File: BG056487.D

Acq: 31 Jan 2023 16:11

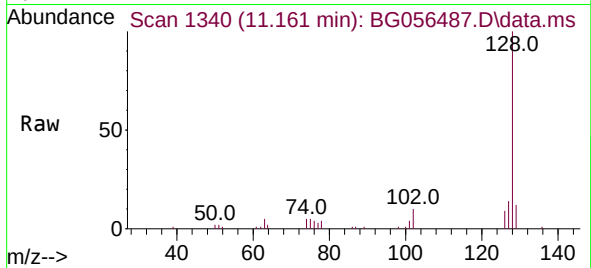
Tgt Ion:180	Resp:	13241
Ion Ratio	Lower	Upper
180	100	
182	87.8	75.9 113.9
145	19.2	19.4 29.0





#31
Naphthalene
Concen: 3.676 ng
RT: 11.161 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

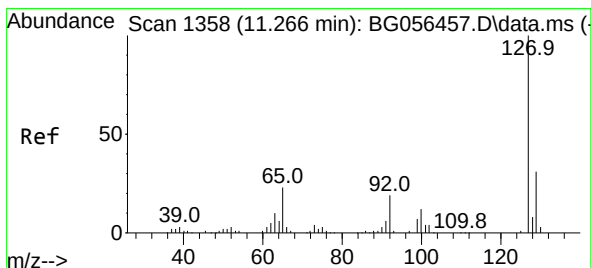
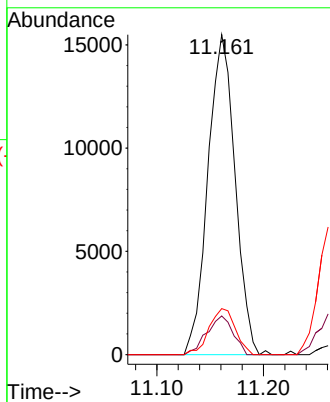
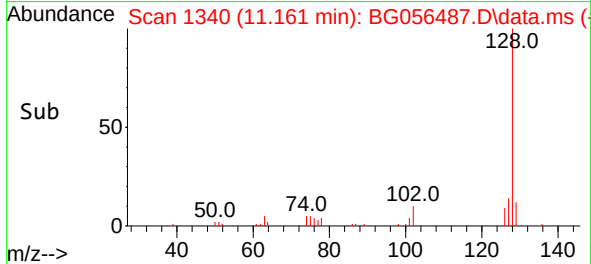
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



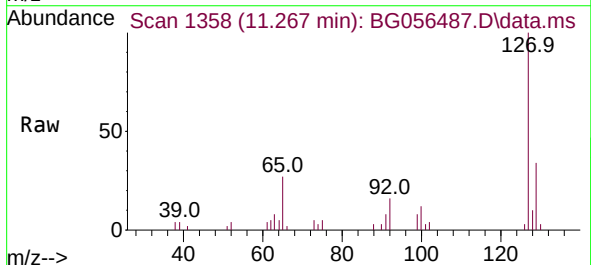
Tgt Ion:128 Resp: 27416
Ion Ratio Lower Upper
128 100
129 12.1 8.7 13.1
127 14.4 10.4 15.6

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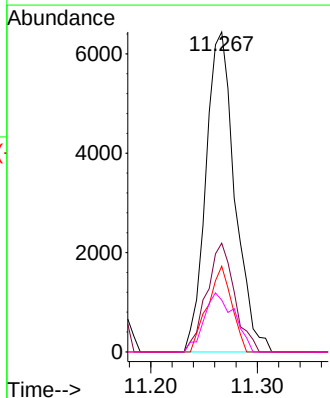
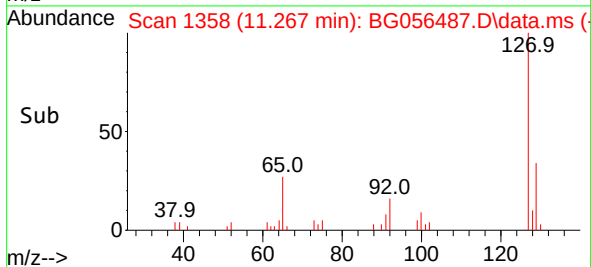
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

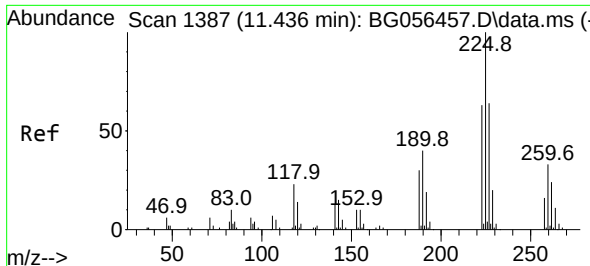


#33
4-Chloroaniline
Concen: 3.497 ng
RT: 11.267 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



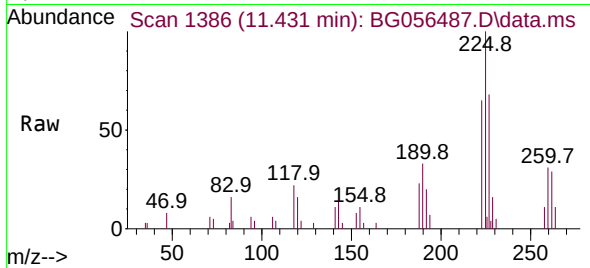
Tgt Ion:127 Resp: 12175
Ion Ratio Lower Upper
127 100
129 34.0 25.0 37.6
65 26.8 18.5 27.7
92 16.2 15.2 22.8





#34
Hexachlorobutadiene
Concen: 4.227 ng
RT: 11.431 min Scan# 1387
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

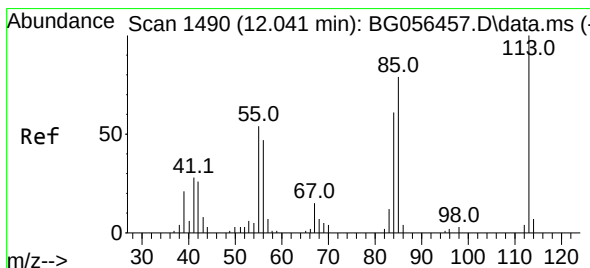
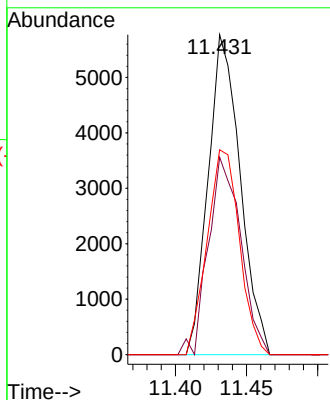
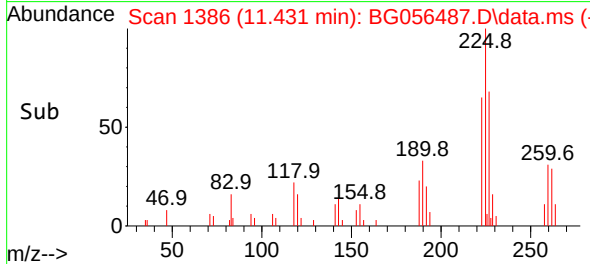
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:225 Resp: 9046
Ion Ratio Lower Upper
225 100
223 61.7 50.6 75.8
227 64.0 53.7 80.5

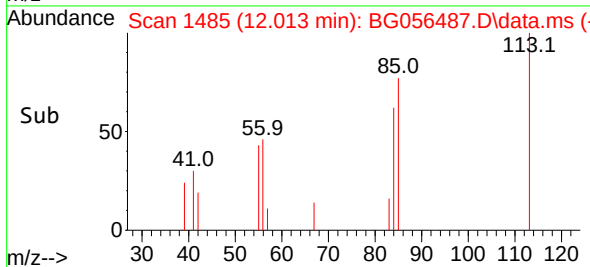
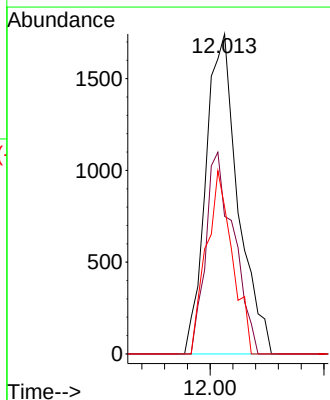
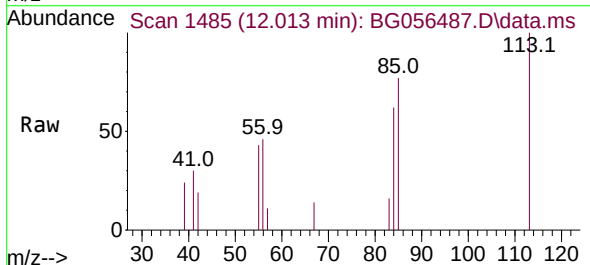
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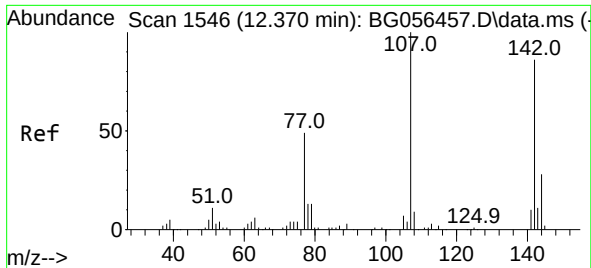
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#35
Caprolactam
Concen: 3.708 ng
RT: 12.013 min Scan# 1485
Delta R.T. -0.017 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

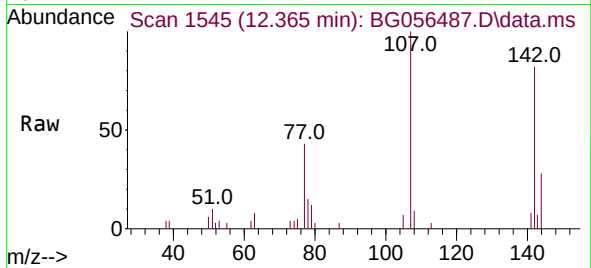
Tgt Ion:113 Resp: 3431
Ion Ratio Lower Upper
113 100
55 43.0 33.7 73.7
56 45.9 27.1 67.1





#36
4-Chloro-3-methylphenol
Concen: 3.916 ng
RT: 12.365 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

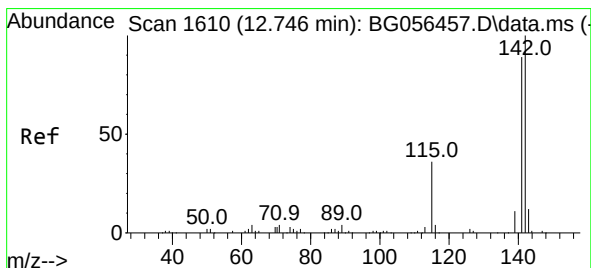
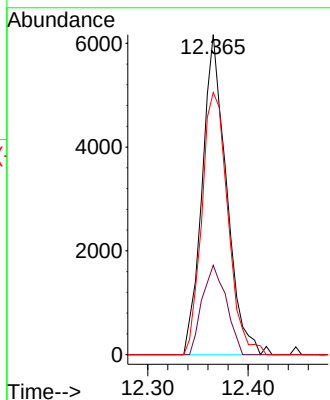
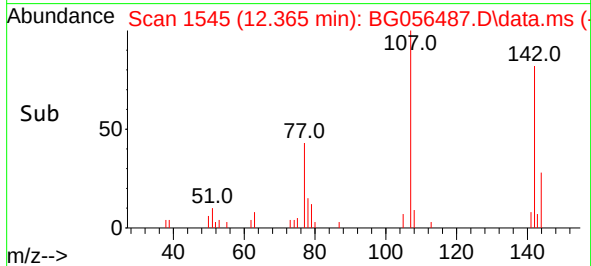
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



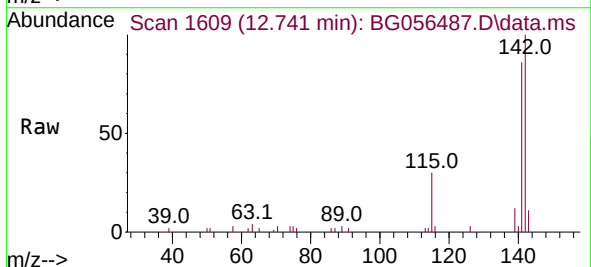
Tgt Ion:107 Resp: 10374
Ion Ratio Lower Upper
107 100
144 28.0 22.3 33.5
142 81.9 68.9 103.3

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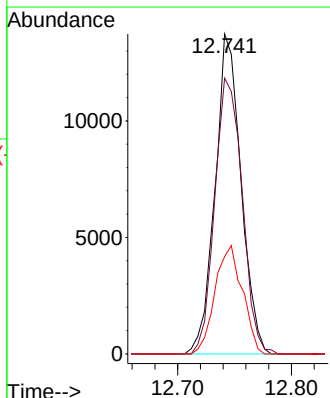
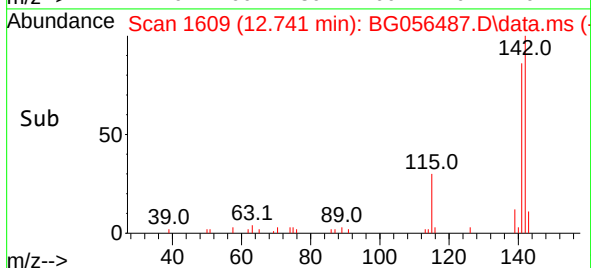
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

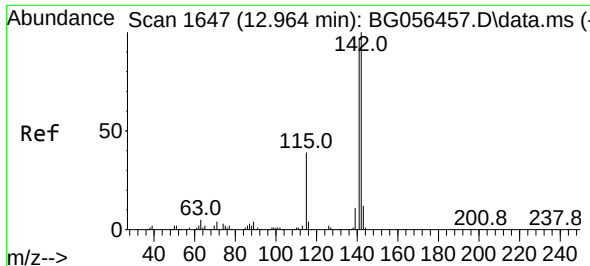


#37
2-Methylnaphthalene
Concen: 3.534 ng
RT: 12.741 min Scan# 1609
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



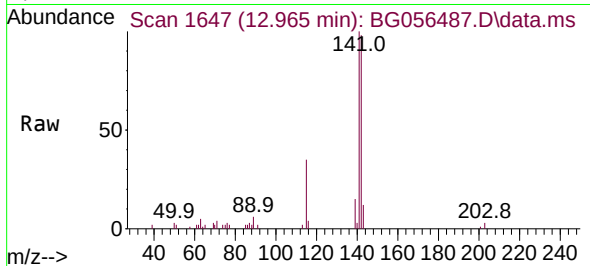
Tgt Ion:142 Resp: 21726
Ion Ratio Lower Upper
142 100
141 86.2 71.4 107.0
115 30.4 28.4 42.6





#38
1-Methylnaphthalene
Concen: 3.520 ng
RT: 12.965 min Scan# 1647
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

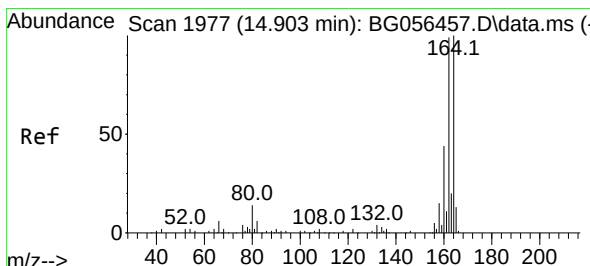
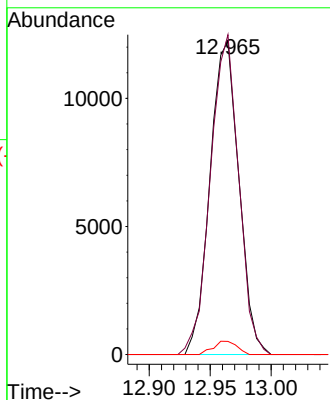
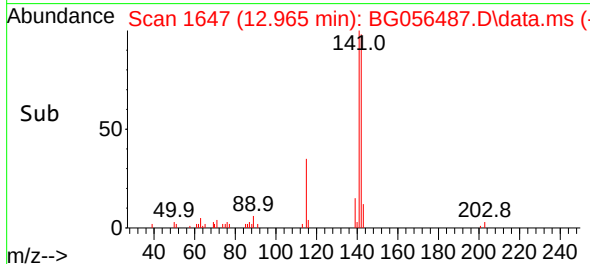
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



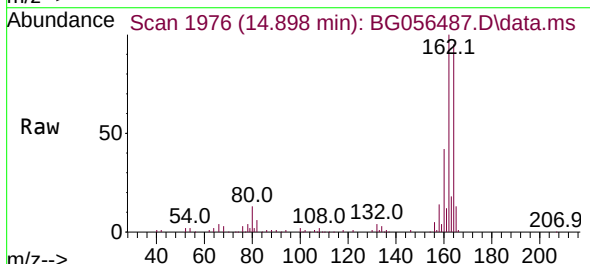
Tgt Ion:142 Resp: 20210
Ion Ratio Lower Upper
142 100
141 102.1 77.7 116.5
116 4.2 3.4 5.2

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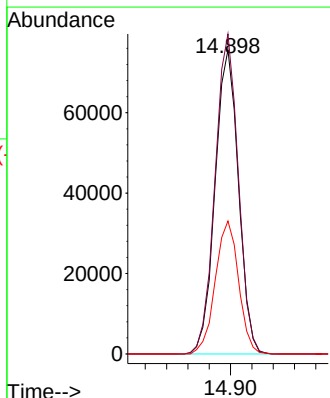
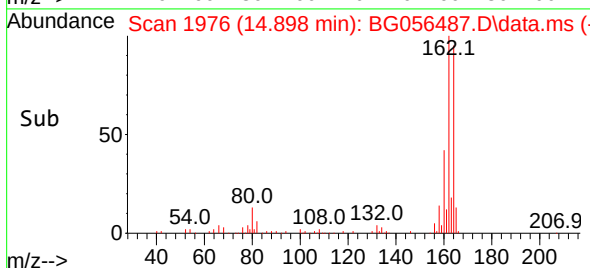
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

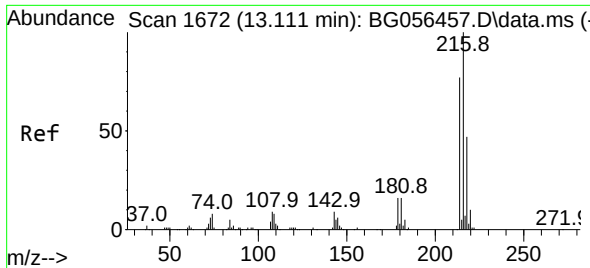


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.898 min Scan# 1976
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



Tgt Ion:164 Resp: 115349
Ion Ratio Lower Upper
164 100
162 105.2 79.6 119.4
160 43.7 34.9 52.3





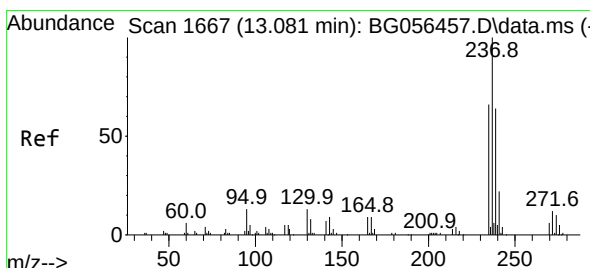
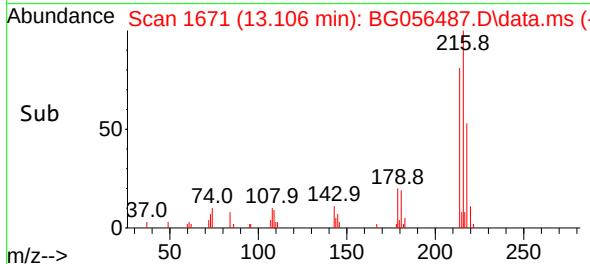
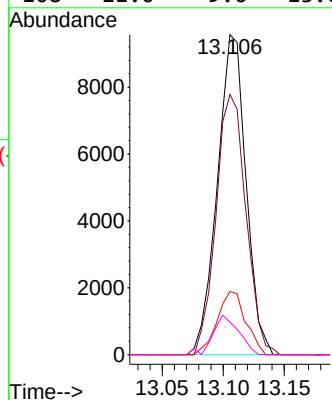
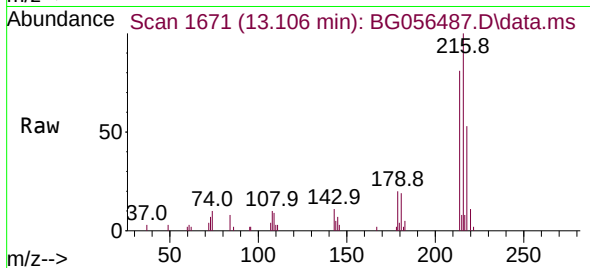
#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.717 ng
RT: 13.106 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:	216	Resp:	15664
Ion Ratio	Lower	Upper	
216	100		
214	84.6	63.0	94.6
179	19.5	14.1	21.1
108	11.0	9.0	13.6

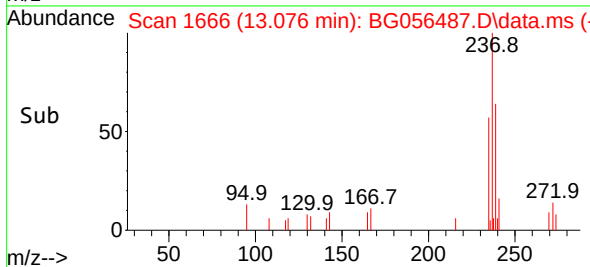
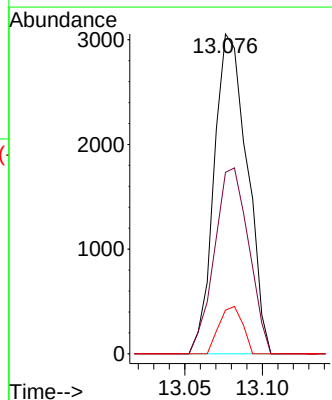
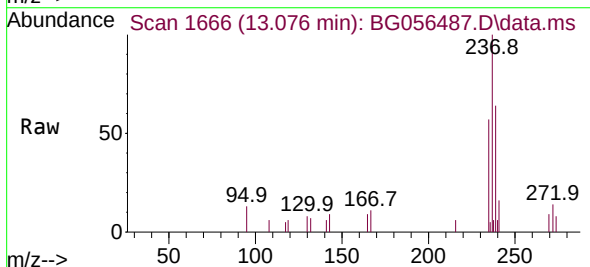
Manual Integrations
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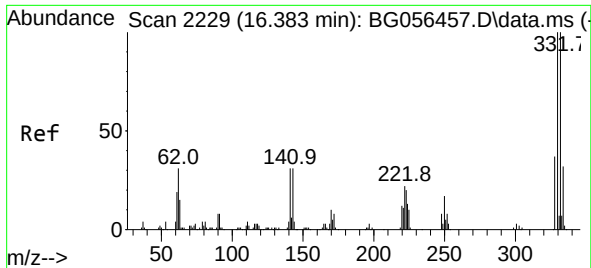
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#41
Hexachlorocyclopentadiene
Concen: 8.243 ng
RT: 13.076 min Scan# 1666
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Tgt Ion:	237	Resp:	4543
Ion Ratio	Lower	Upper	
237	100		
235	61.9	45.6	85.6
272	13.6	0.0	32.3





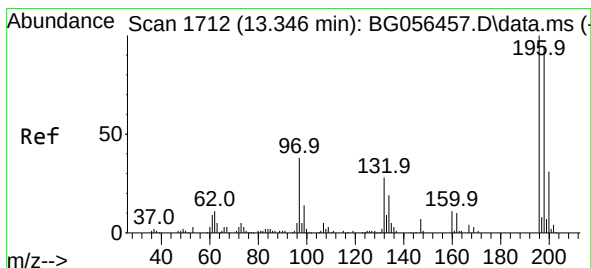
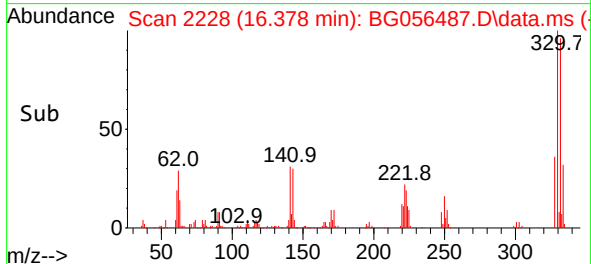
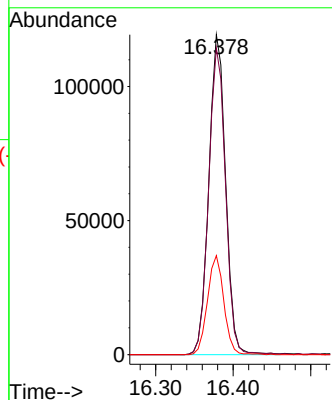
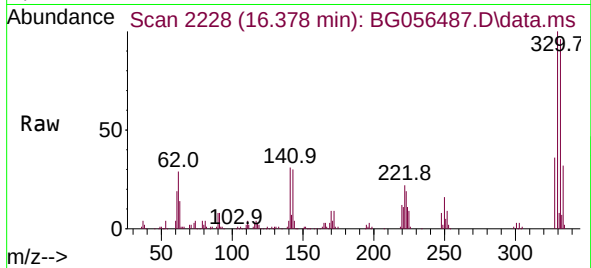
#42
2,4,6-Tribromophenol
Concen: 116.997 ng
RT: 16.378 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:330 Resp: 179414
Ion Ratio Lower Upper
330 100
332 96.4 79.0 118.6
141 30.1 24.2 36.4

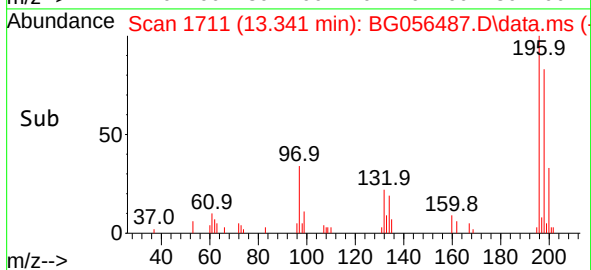
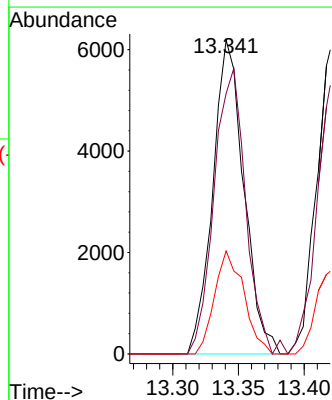
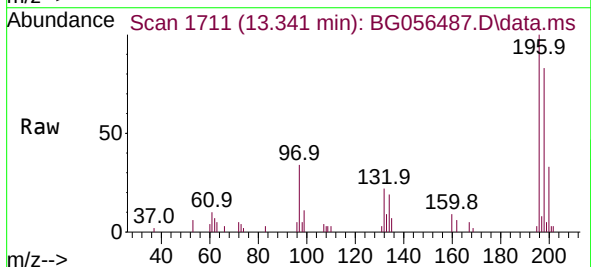
Manual Integrations
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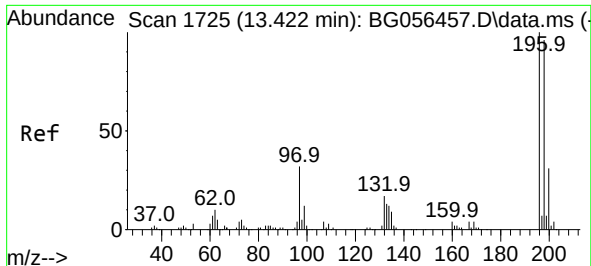
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#43
2,4,6-Trichlorophenol
Concen: 3.753 ng
RT: 13.341 min Scan# 1711
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

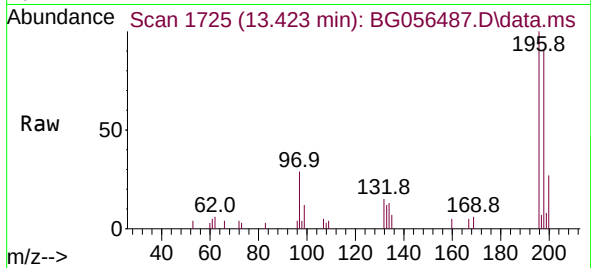
Tgt Ion:196 Resp: 10192
Ion Ratio Lower Upper
196 100
198 83.0 75.4 113.0
200 32.8 25.0 37.6





#44
2,4,5-Trichlorophenol
Concen: 3.473 ng
RT: 13.423 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

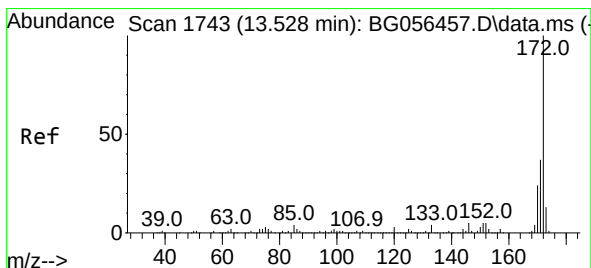
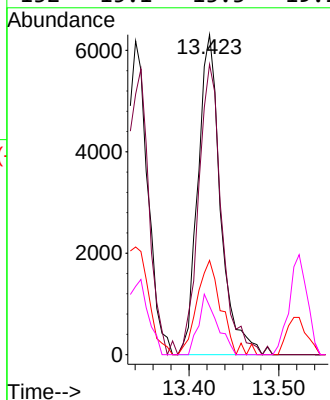
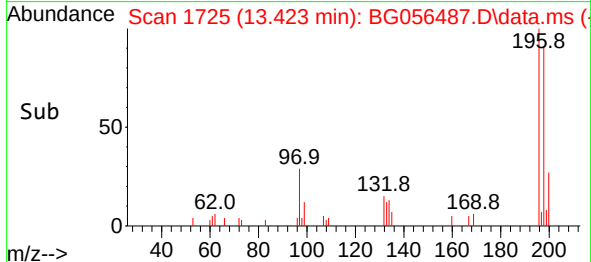
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



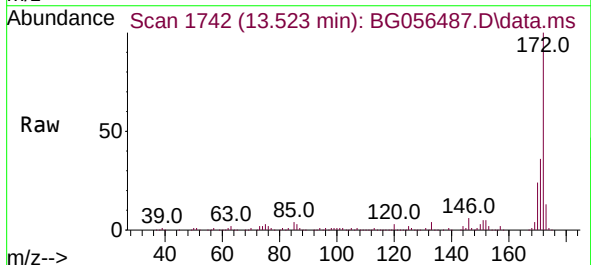
Tgt Ion:196 Resp: 11043
Ion Ratio Lower Upper
196 100
198 90.7 76.9 115.3
97 29.5 25.8 38.6
132 15.1 13.3 19.9

Manual Integrations
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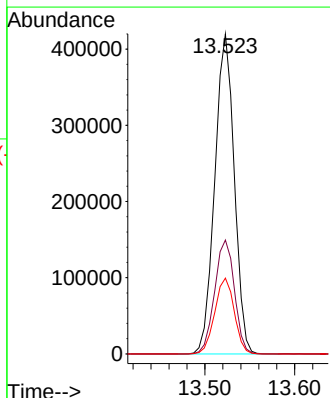
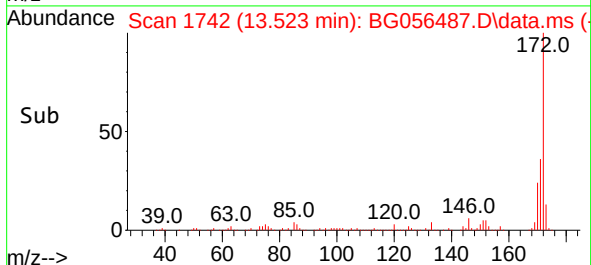
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

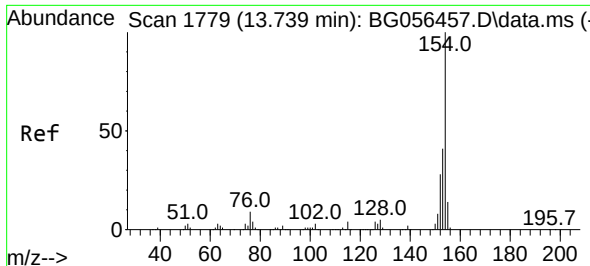


#45
2-Fluorobiphenyl
Concen: 75.943 ng
RT: 13.523 min Scan# 1742
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



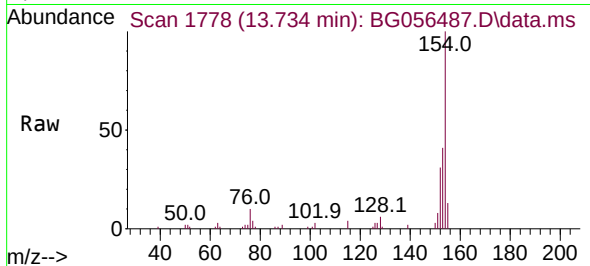
Tgt Ion:172 Resp: 631841
Ion Ratio Lower Upper
172 100
171 35.6 29.5 44.3
170 23.7 19.2 28.8





#46
1,1'-Biphenyl
Concen: 3.968 ng
RT: 13.734 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

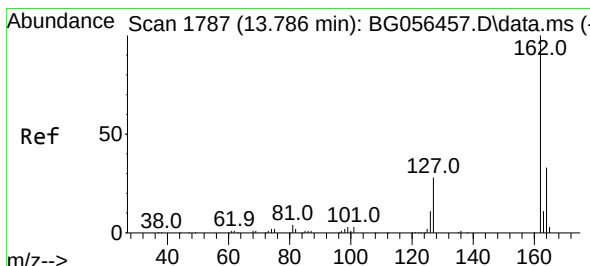
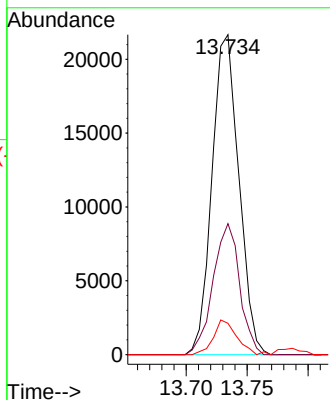
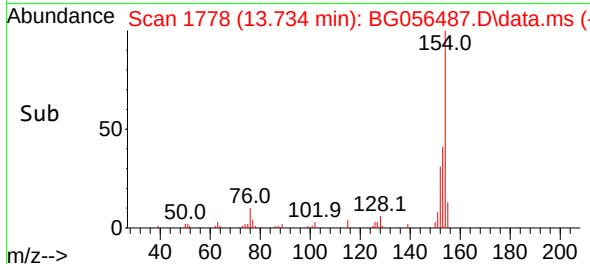
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



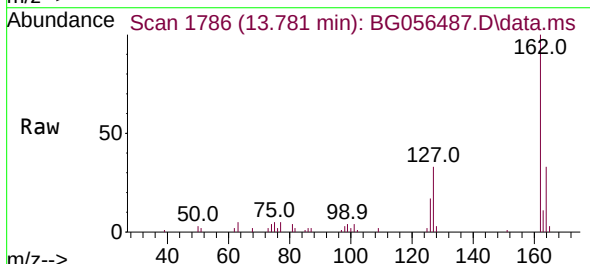
Tgt Ion:154 Resp: 33201
Ion Ratio Lower Upper
154 100
153 41.0 21.5 61.5
76 9.8 0.0 28.8

Manual Integrations
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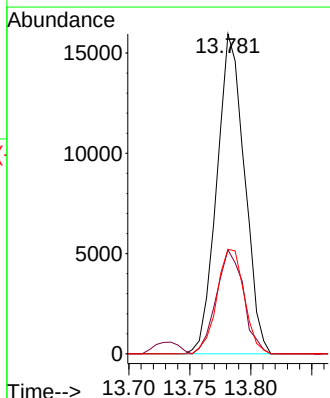
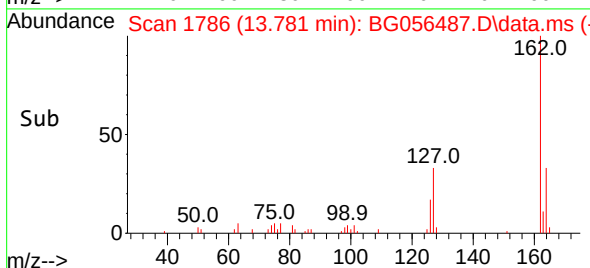
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

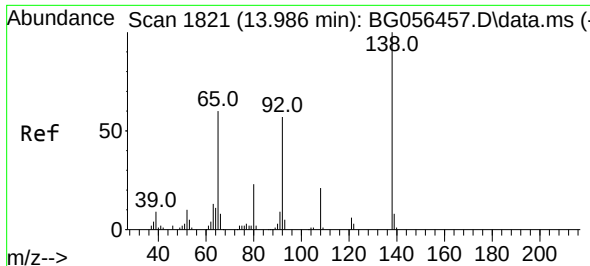


#47
2-Chloronaphthalene
Concen: 3.849 ng
RT: 13.781 min Scan# 1786
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



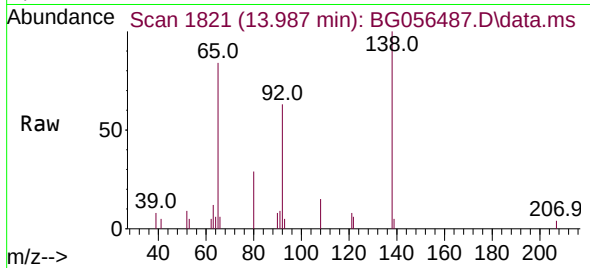
Tgt Ion:162 Resp: 25170
Ion Ratio Lower Upper
162 100
127 32.5 25.2 37.8
164 32.7 26.2 39.2





#48
2-Nitroaniline
Concen: 3.326 ng
RT: 13.987 min Scan# 1821
Delta R.T. 0.006 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

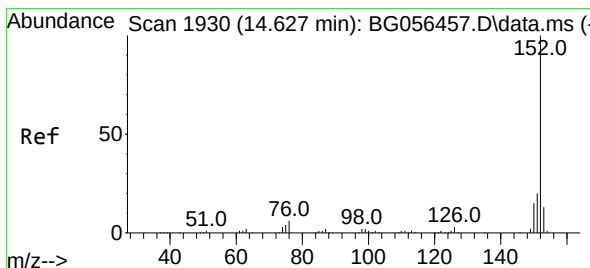
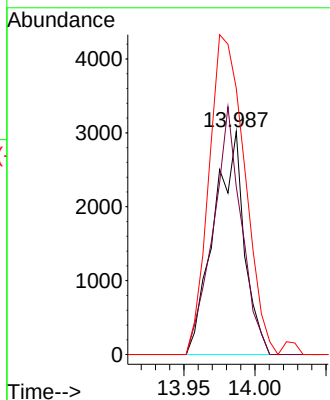
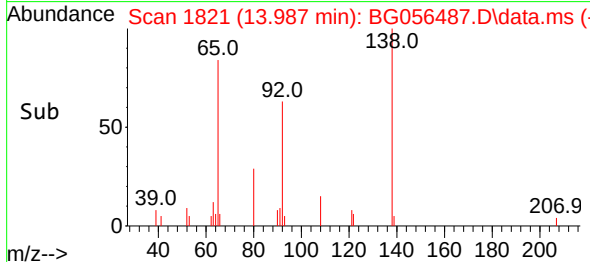
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



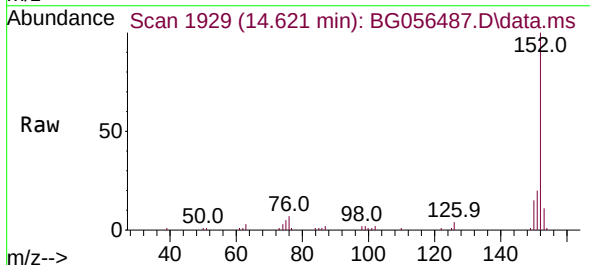
Tgt Ion: 65 Resp: 4497
Ion Ratio Lower Upper
65 100
92 75.2 75.8 113.6
138 119.4 133.2 199.8

Manual Integrations
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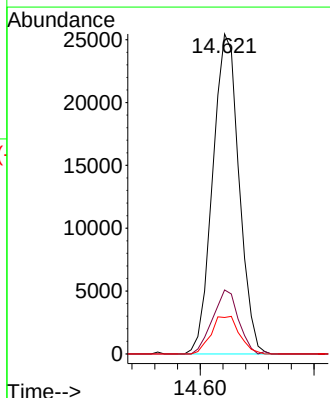
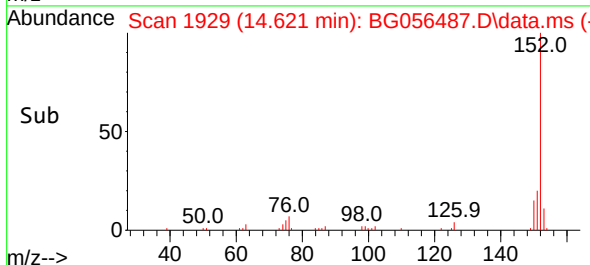
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

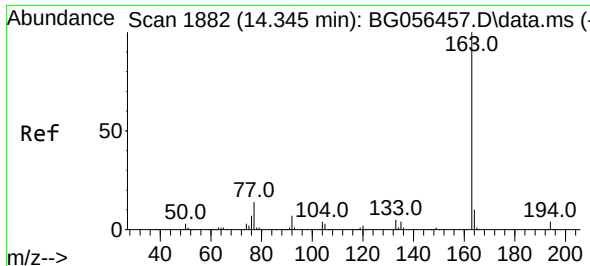


#49
Acenaphthylene
Concen: 3.846 ng
RT: 14.621 min Scan# 1929
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



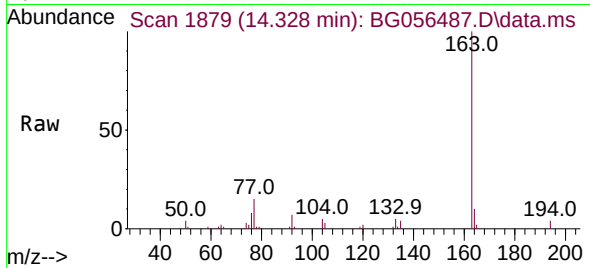
Tgt Ion:152 Resp: 40918
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 11.4 10.5 15.7





#50
Dimethylphthalate
Concen: 3.700 ng
RT: 14.328 min Scan# 1882
Delta R.T. -0.011 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

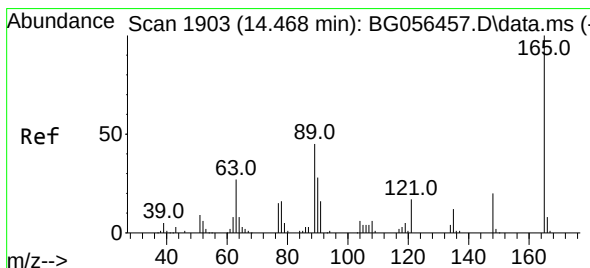
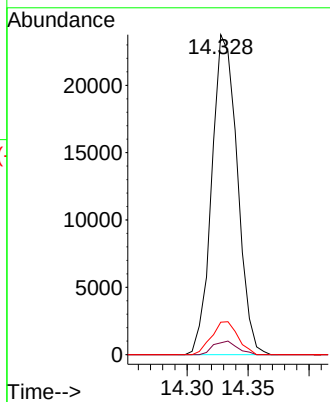
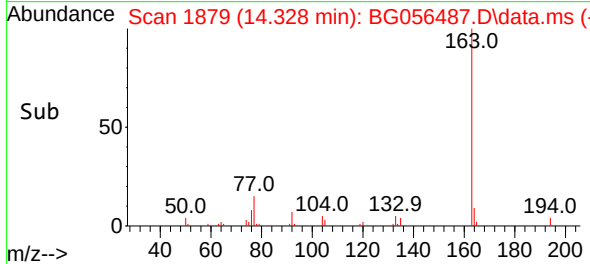
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



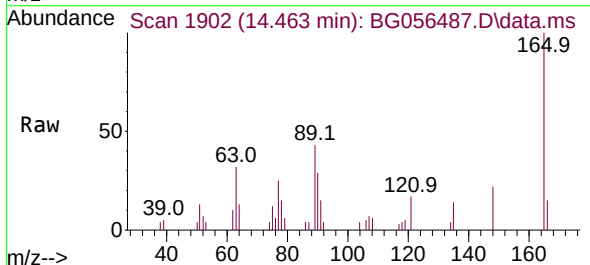
Tgt Ion:163 Resp: 34532
Ion Ratio Lower Upper
163 100
194 3.7 3.5 5.3
164 10.1 8.1 12.1

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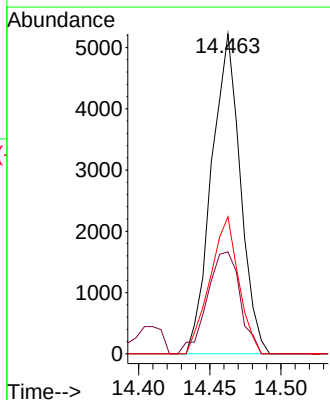
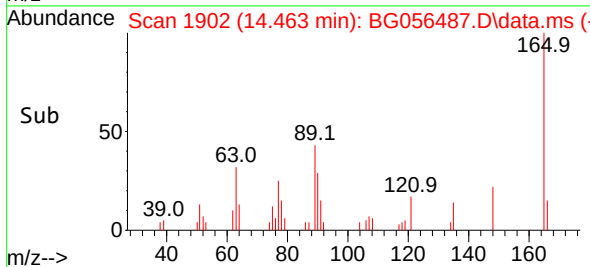
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

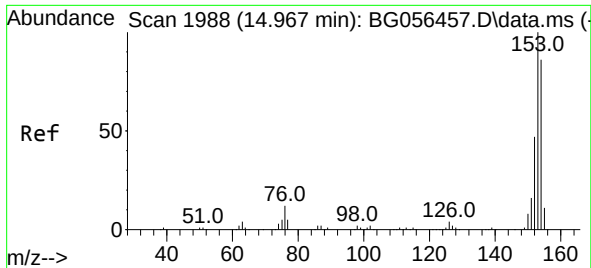


#51
2,6-Dinitrotoluene
Concen: 3.620 ng
RT: 14.463 min Scan# 1902
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



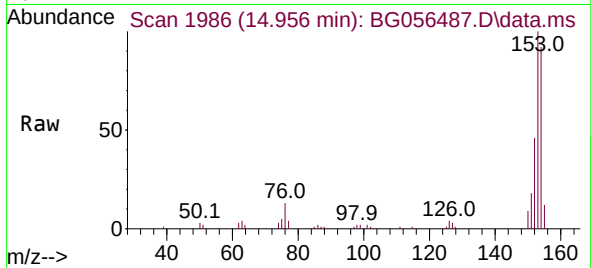
Tgt Ion:165 Resp: 7367
Ion Ratio Lower Upper
165 100
63 31.9 26.9 40.3
89 42.8 35.6 53.4





#52
Acenaphthene
Concen: 3.931 ng
RT: 14.956 min Scan# 1986
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

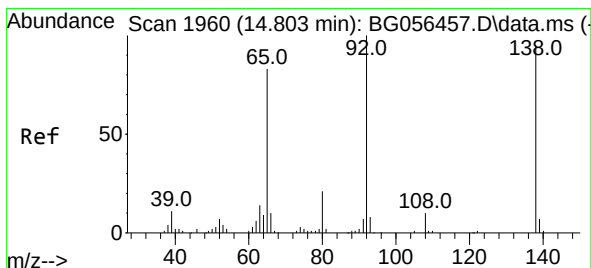
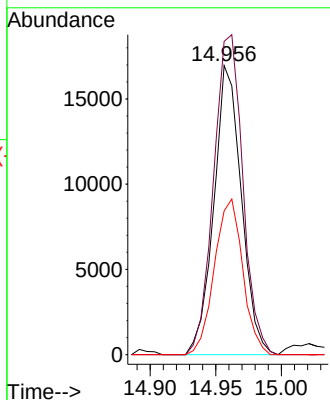
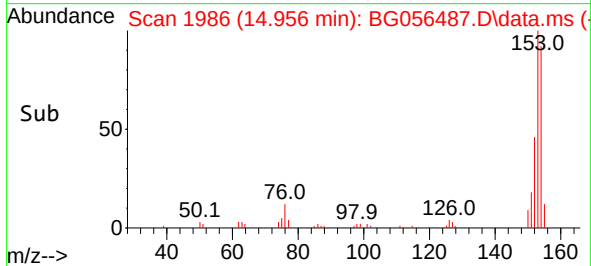
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:154 Resp: 24800
Ion Ratio Lower Upper
154 100
153 108.3 93.4 140.0
152 49.7 43.4 65.2

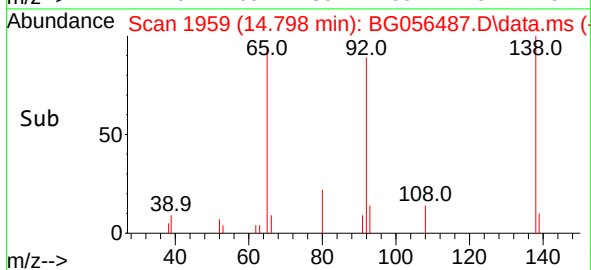
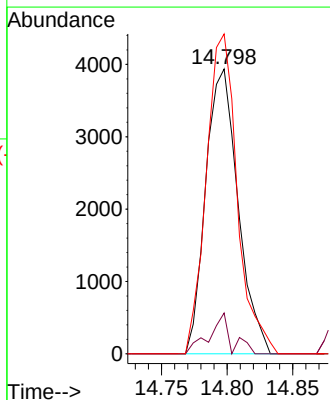
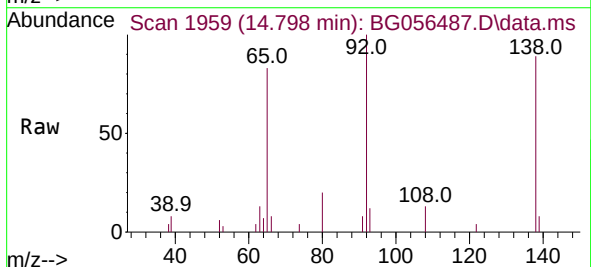
Manual Integrations
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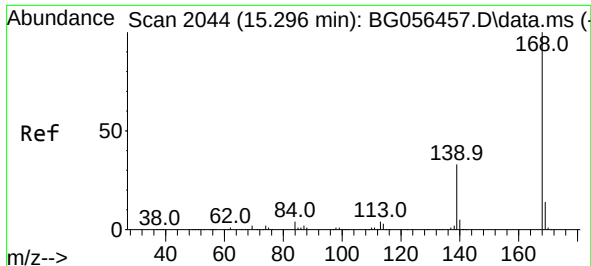
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#53
3-Nitroaniline
Concen: 3.419 ng
RT: 14.798 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

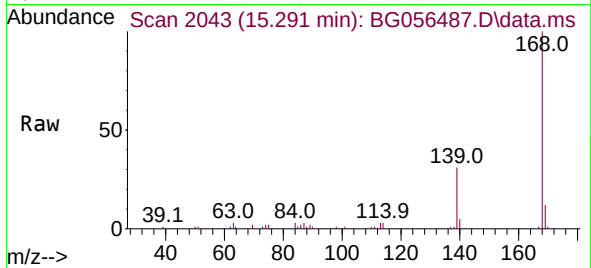
Tgt Ion:138 Resp: 6745
Ion Ratio Lower Upper
138 100
108 14.3 8.0 12.0#
92 112.3 84.1 126.1





#55
Dibenzenofuran
Concen: 3.894 ng
RT: 15.291 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

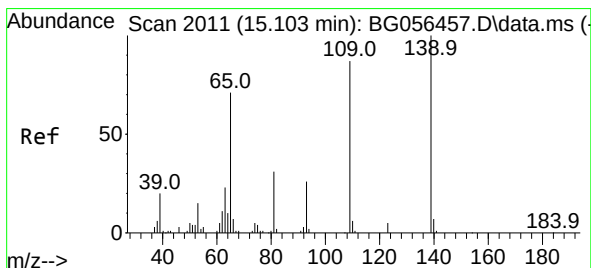
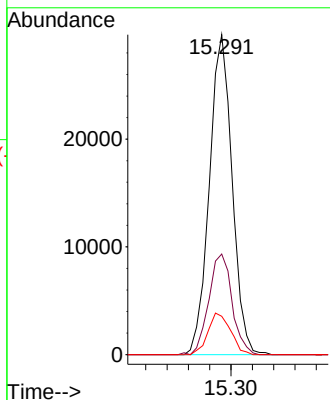
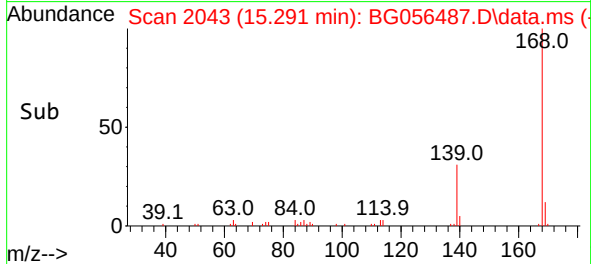
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:168 Resp: 44060
Ion Ratio Lower Upper
168 100
139 31.4 26.2 39.2
169 12.0 11.0 16.6

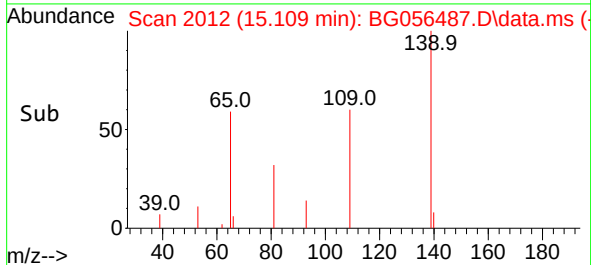
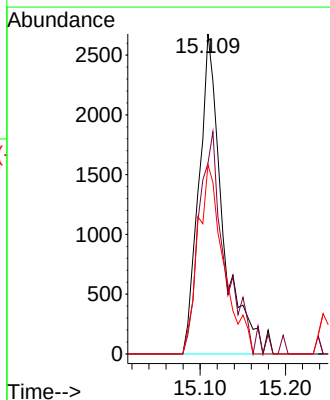
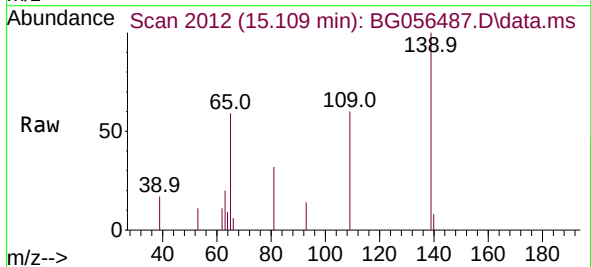
Manual Integrations
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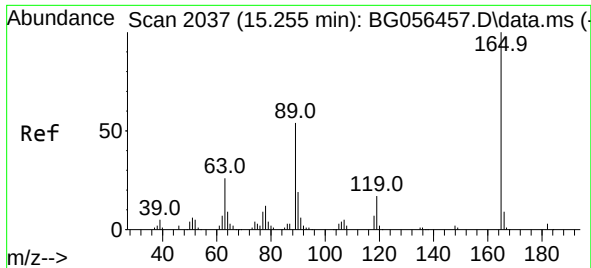
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#56
4-Nitrophenol
Concen: 3.851 ng
RT: 15.109 min Scan# 2012
Delta R.T. 0.012 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

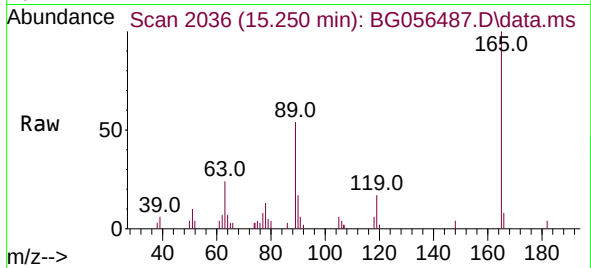
Tgt Ion:139 Resp: 5192
Ion Ratio Lower Upper
139 100
109 59.5 67.5 107.5#
65 59.1 50.7 90.7





#57
2,4-Dinitrotoluene
Concen: 3.983 ng
RT: 15.250 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

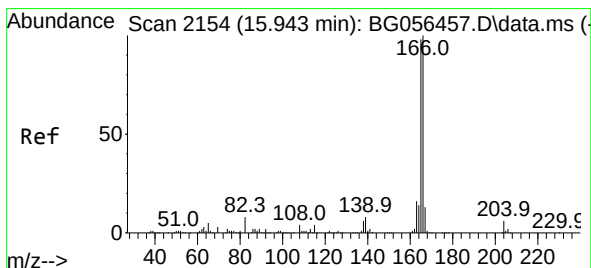
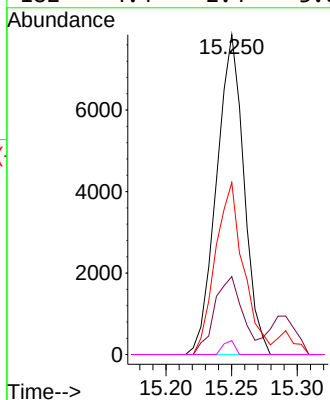
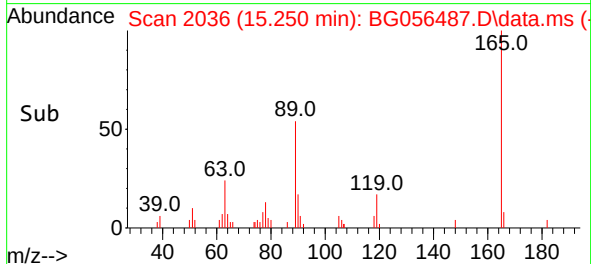
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



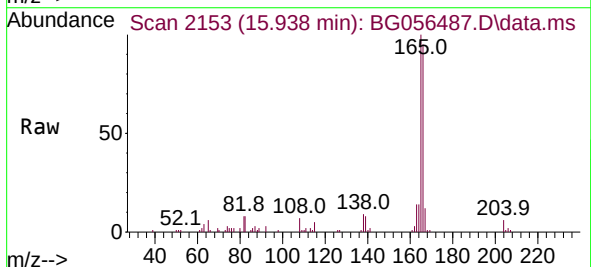
Tgt Ion:165 Resp: 11419
Ion Ratio Lower Upper
165 100
63 24.4 20.6 31.0
89 53.8 43.1 64.7
182 4.4 2.4 3.6#

Manual Integrations
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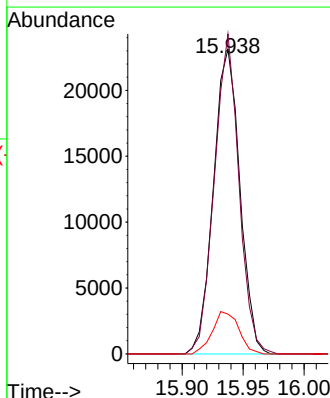
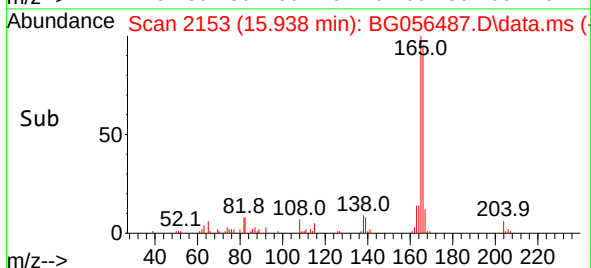
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

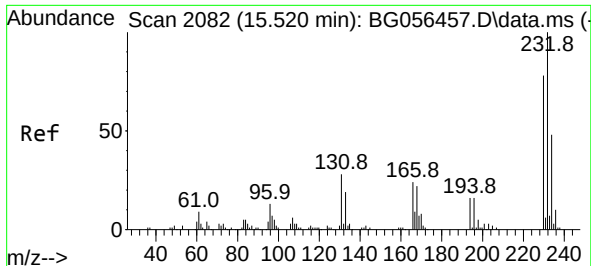


#58
Fluorene
Concen: 3.871 ng
RT: 15.938 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



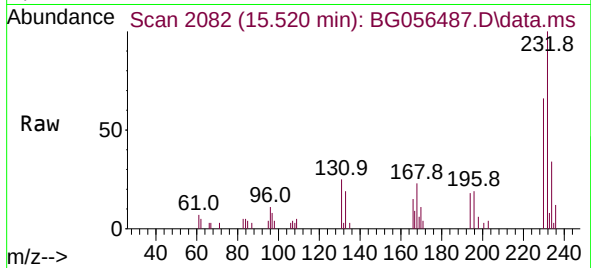
Tgt Ion:166 Resp: 34858
Ion Ratio Lower Upper
166 100
165 104.9 78.8 118.2
167 13.0 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.457 ng
RT: 15.520 min Scan# 2082
Delta R.T. 0.006 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

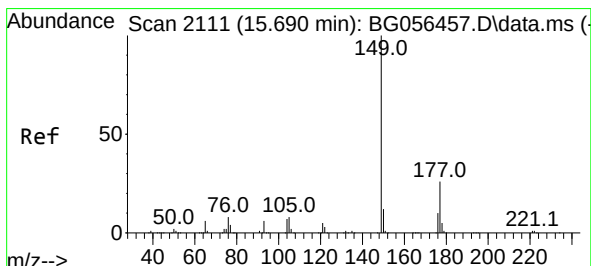
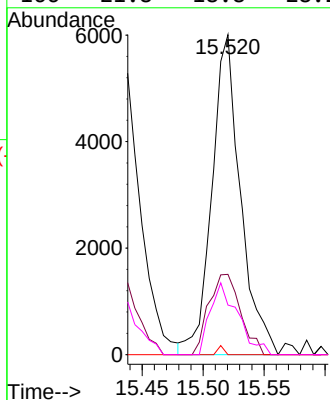
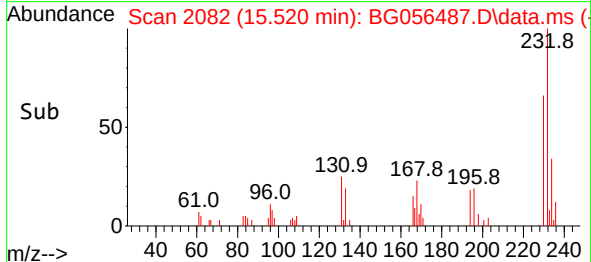
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



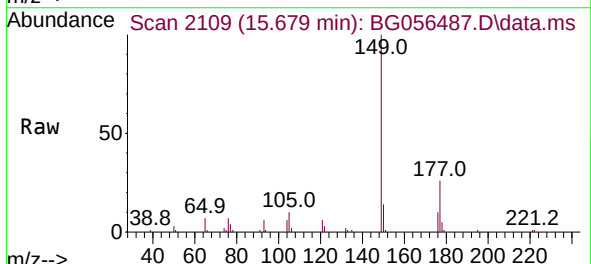
Tgt Ion:232 Resp: 9774
Ion Ratio Lower Upper
232 100
131 27.9 22.8 34.2
130 0.6 1.4 2.0
166 21.8 18.8 28.2

Manual Integrations
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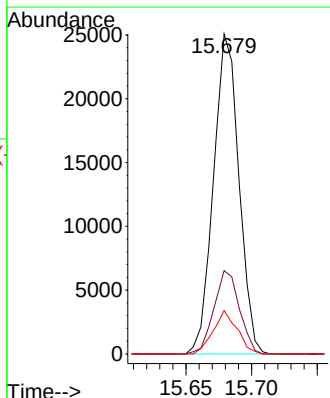
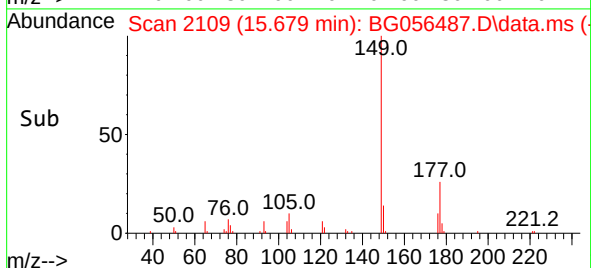
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

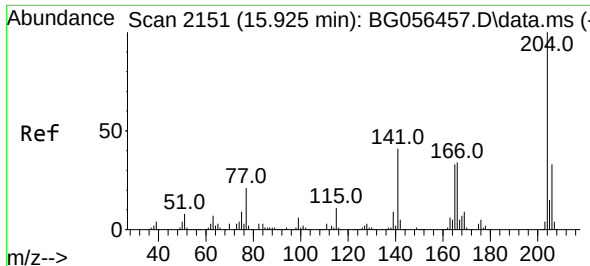


#60
Diethylphthalate
Concen: 3.858 ng
RT: 15.679 min Scan# 2109
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



Tgt Ion:149 Resp: 33810
Ion Ratio Lower Upper
149 100
177 26.0 21.0 31.4
150 13.5 9.9 14.9





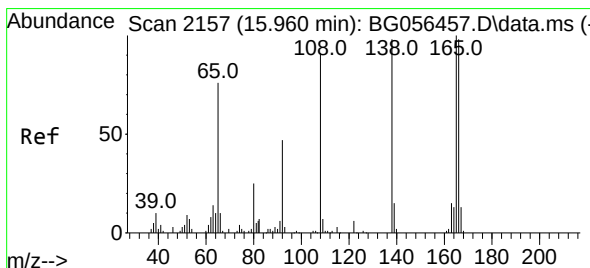
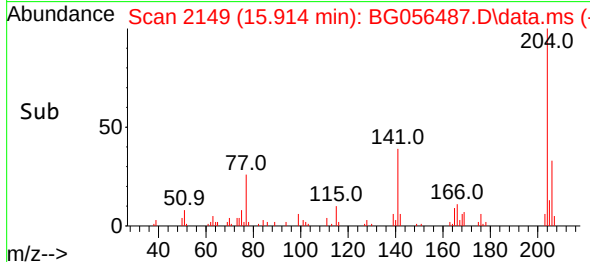
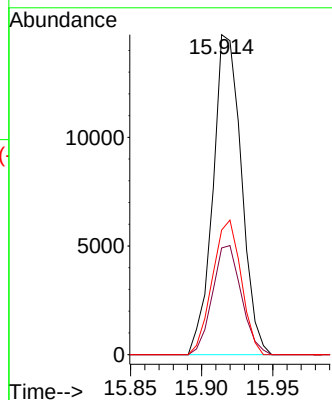
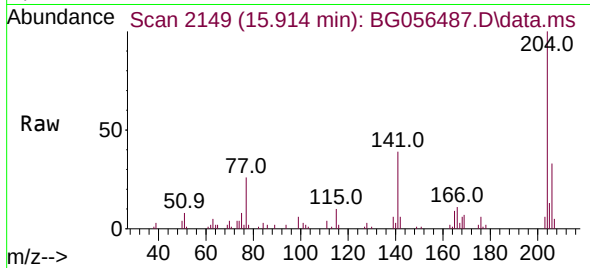
#61
4-Chlorophenyl-phenylether
Concen: 3.737 ng
RT: 15.914 min Scan# 2151
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:204 Resp: 20533
Ion Ratio Lower Upper
204 100
206 33.3 26.2 39.4
141 39.0 32.7 49.1

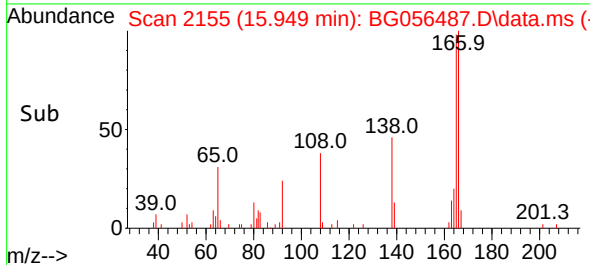
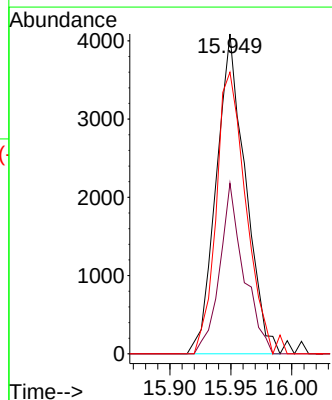
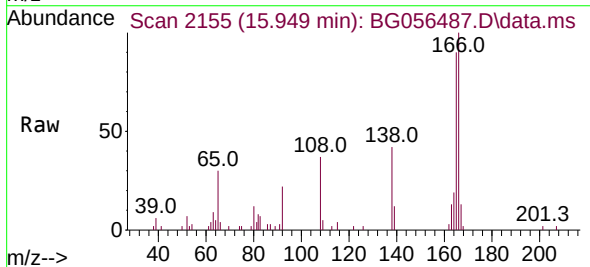
Manual Integrations
APPROVED

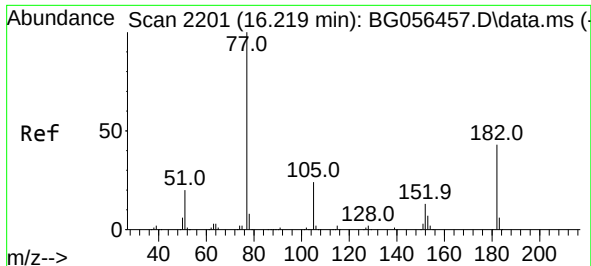
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#62
4-Nitroaniline
Concen: 3.453 ng
RT: 15.949 min Scan# 2155
Delta R.T. -0.011 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Tgt Ion:138 Resp: 6817
Ion Ratio Lower Upper
138 100
92 53.3 27.8 67.8
108 88.0 72.6 112.6





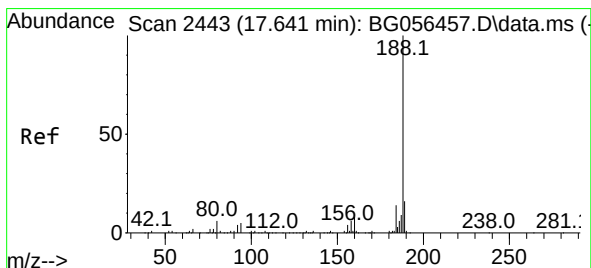
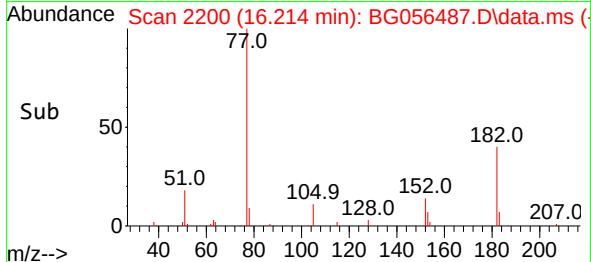
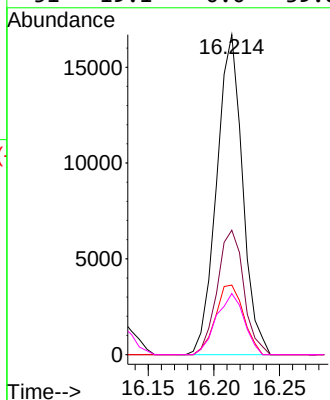
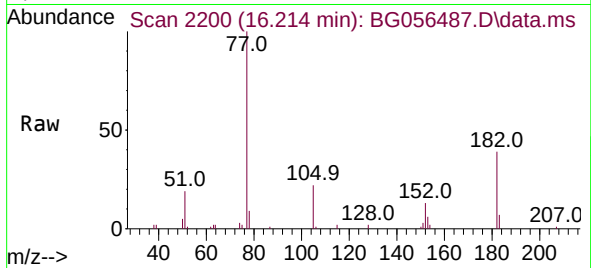
#63
Azobenzene
Concen: 3.798 ng
RT: 16.214 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 77 Resp: 2290
Ion Ratio Lower Upper
77 100
182 38.9 23.1 63.1
105 21.7 4.2 44.2
51 19.1 0.0 39.8

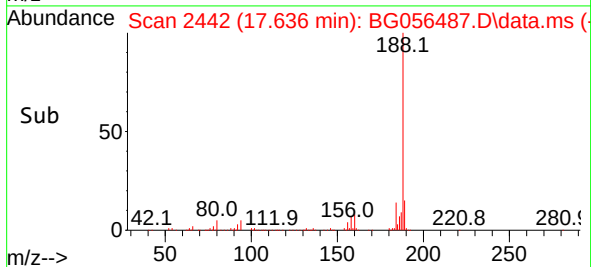
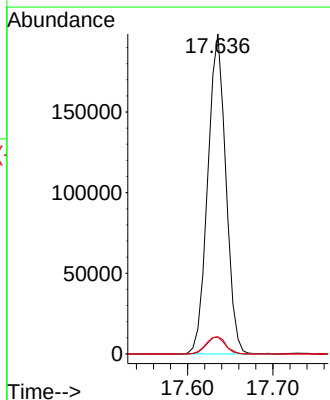
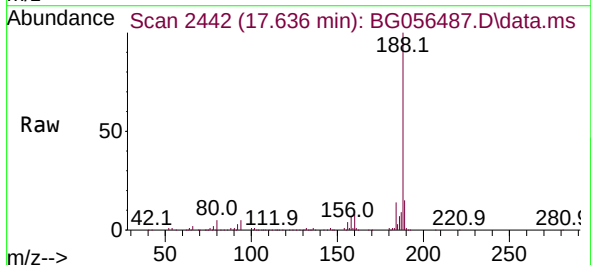
Manual Integrations
APPROVED

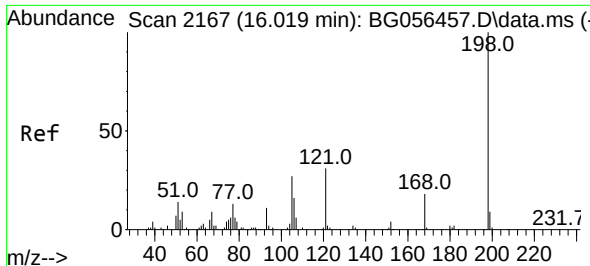
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.636 min Scan# 2442
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

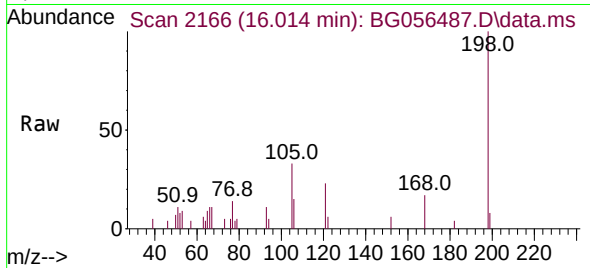
Tgt Ion:188 Resp: 292262
Ion Ratio Lower Upper
188 100
94 5.3 4.1 6.1
80 5.4 5.0 7.4





#65
4,6-Dinitro-2-methylphenol
Concen: 2.812 ng
RT: 16.014 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

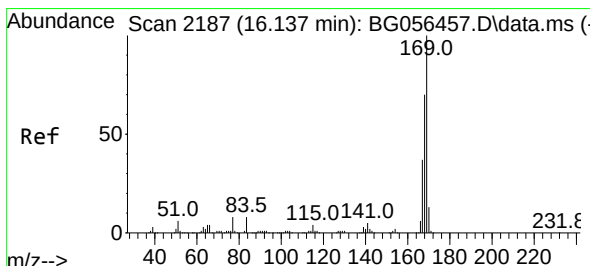
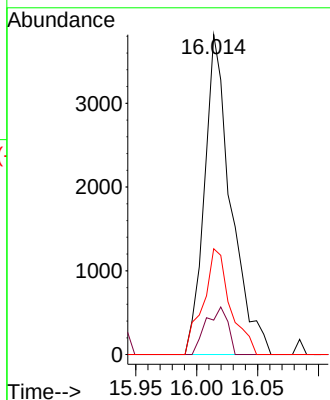
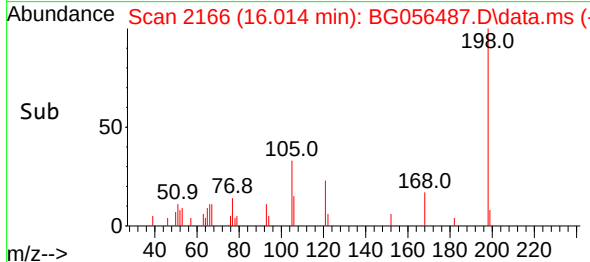
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



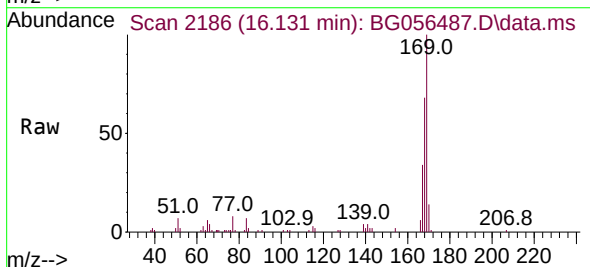
Tgt Ion:198 Resp: 577
Ion Ratio Lower Upper
198 100
51 10.8 0.0 35.0
105 33.1 7.4 47.4

Manual Integrations
APPROVED

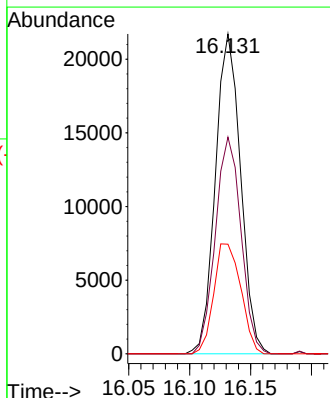
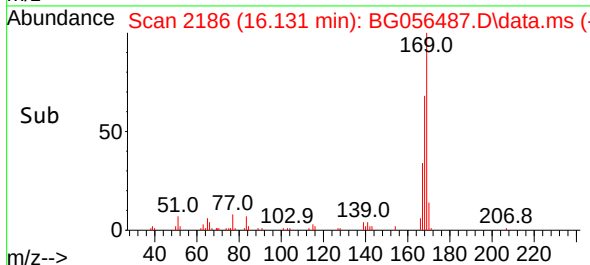
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

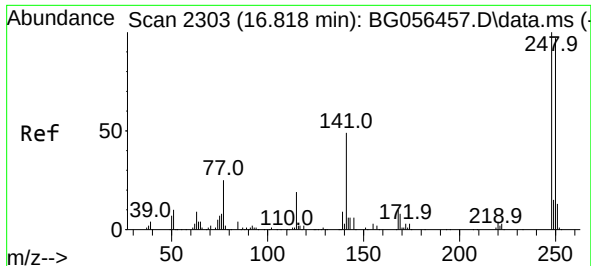


#66
n-Nitrosodiphenylamine
Concen: 3.780 ng
RT: 16.131 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



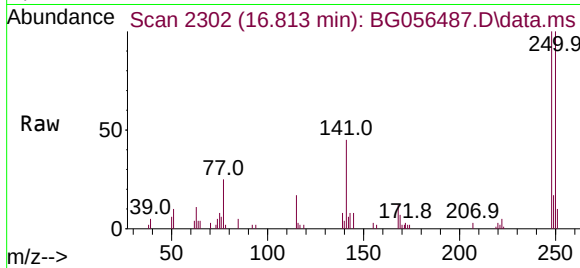
Tgt Ion:169 Resp: 31277
Ion Ratio Lower Upper
169 100
168 67.7 55.8 83.6
167 34.3 29.8 44.8





#67
4-Bromophenyl-phenylether
Concen: 3.979 ng
RT: 16.813 min Scan# 2303
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

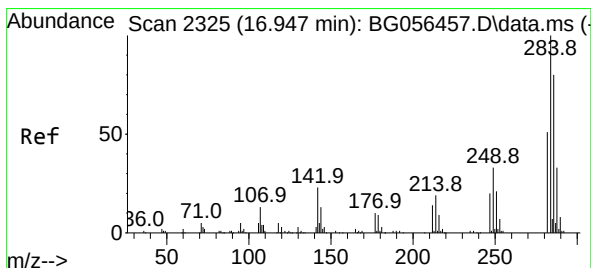
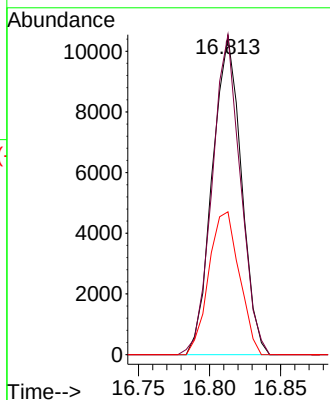
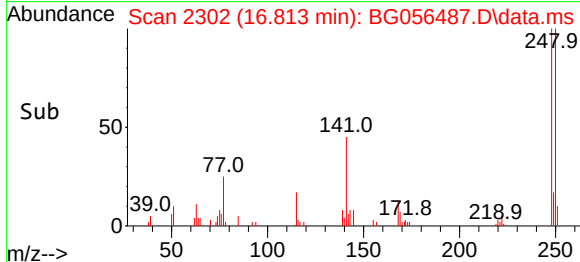
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



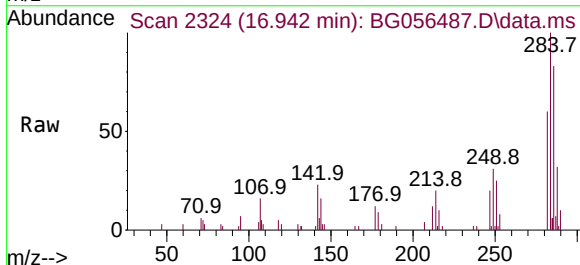
Tgt Ion:248 Resp: 14886
Ion Ratio Lower Upper
248 100
250 100.5 77.6 116.4
141 44.9 39.0 58.4

Manual Integrations
APPROVED

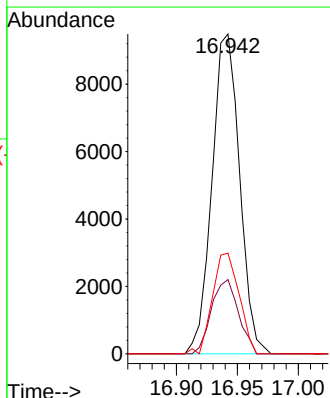
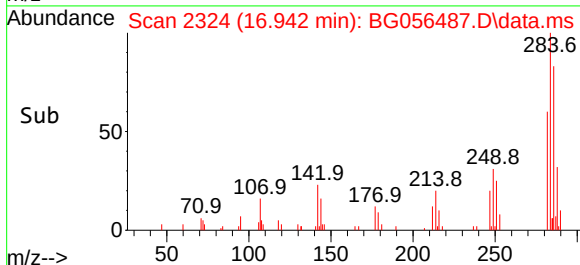
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

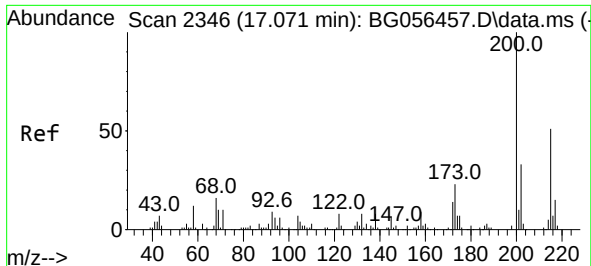


#68
Hexachlorobenzene
Concen: 4.076 ng
RT: 16.942 min Scan# 2324
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



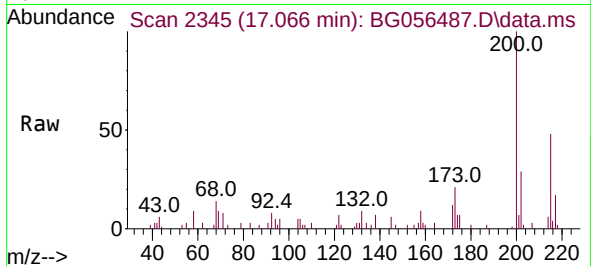
Tgt Ion:284 Resp: 14936
Ion Ratio Lower Upper
284 100
142 23.2 18.0 27.0
249 31.5 26.7 40.1





#69
 Atrazine
 Concen: 4.346 ng
 RT: 17.066 min Scan# 2345
 Delta R.T. -0.005 min
 Lab File: BG056487.D
 Acq: 31 Jan 2023 16:11

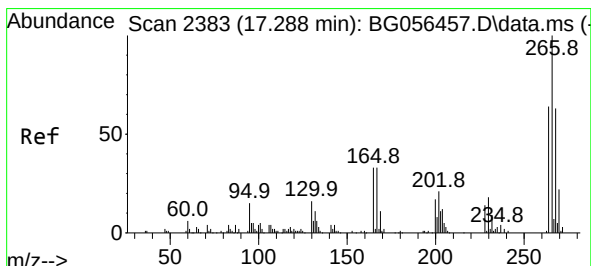
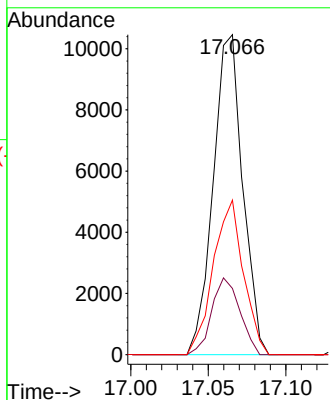
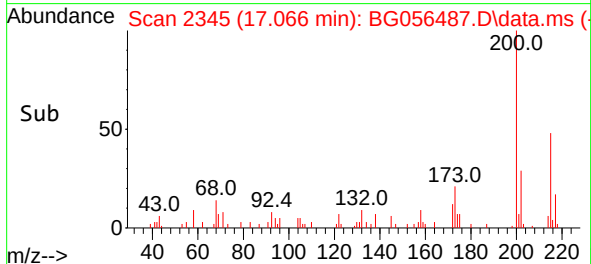
Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



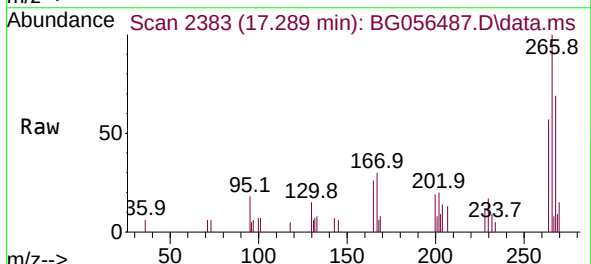
Tgt Ion:200 Resp: 13873
 Ion Ratio Lower Upper
 200 100
 173 20.7 3.2 43.2
 215 48.3 30.7 70.7

Manual Integrations
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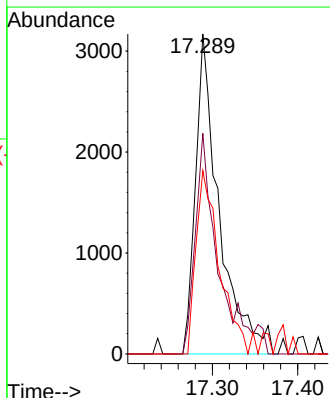
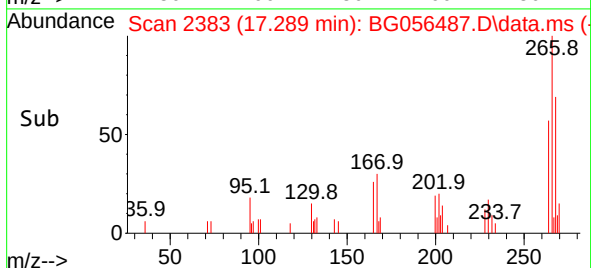
Reviewed By :Christian Giraldo 02/01/2023
 Supervised By :Jagrut Upadhyay 02/01/2023

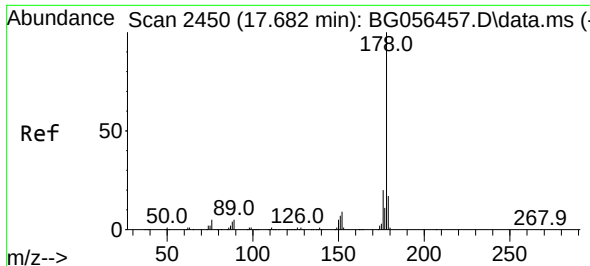


#70
 Pentachlorophenol
 Concen: 2.747 ng
 RT: 17.289 min Scan# 2383
 Delta R.T. 0.006 min
 Lab File: BG056487.D
 Acq: 31 Jan 2023 16:11



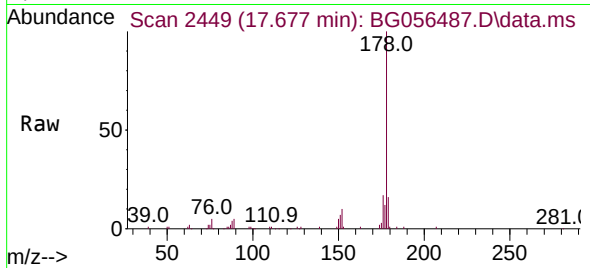
Tgt Ion:266 Resp: 6091
 Ion Ratio Lower Upper
 266 100
 268 68.9 50.2 75.4
 264 57.3 51.4 77.0





#71
Phenanthrene
Concen: 3.853 ng
RT: 17.677 min Scan# 2449
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

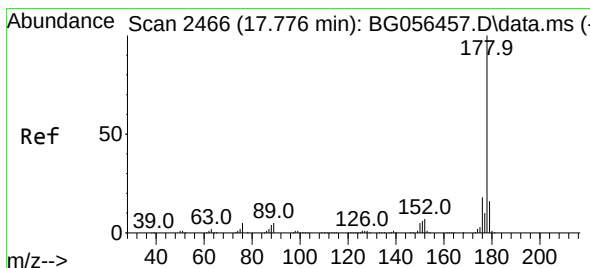
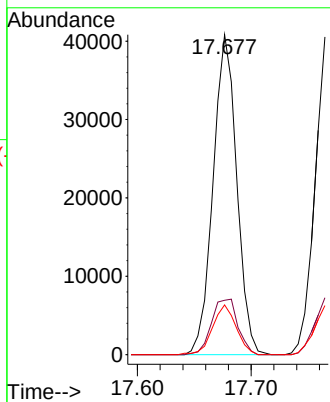
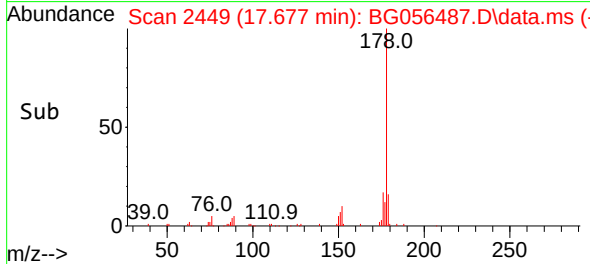
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:178 Resp: 58936
Ion Ratio Lower Upper
178 100
176 17.0 15.6 23.4
179 15.5 13.3 19.9

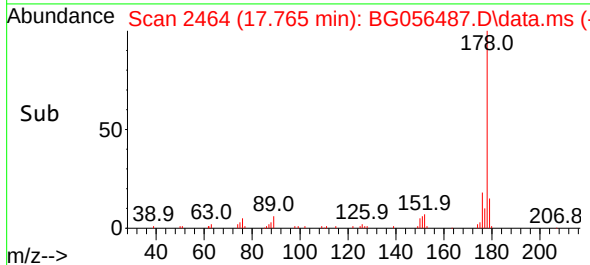
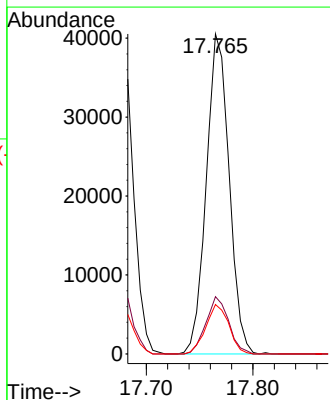
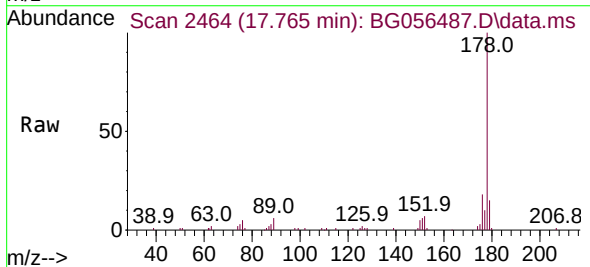
Manual Integrations
APPROVED

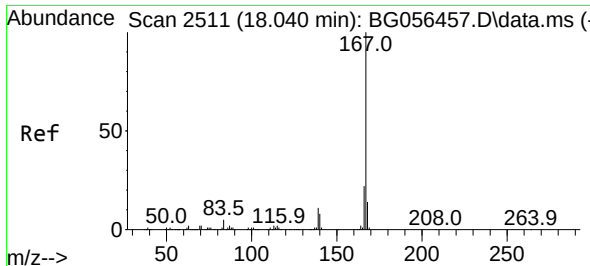
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#72
Anthracene
Concen: 3.844 ng
RT: 17.765 min Scan# 2464
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

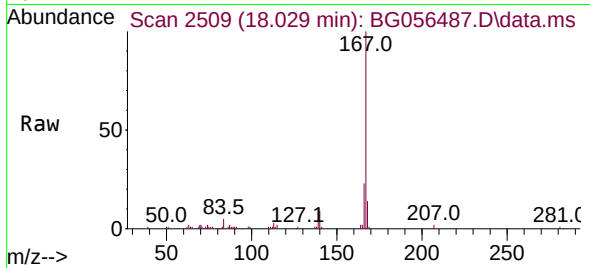
Tgt Ion:178 Resp: 60366
Ion Ratio Lower Upper
178 100
176 17.9 14.5 21.7
179 15.4 12.5 18.7





#73
Carbazole
Concen: 3.853 ng
RT: 18.029 min Scan# 2509
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

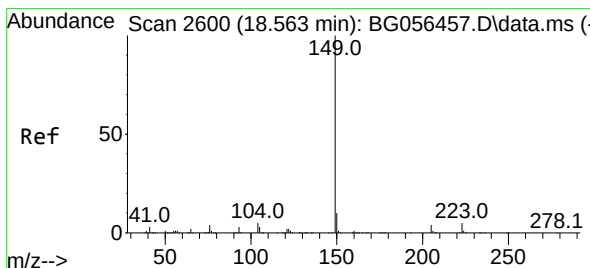
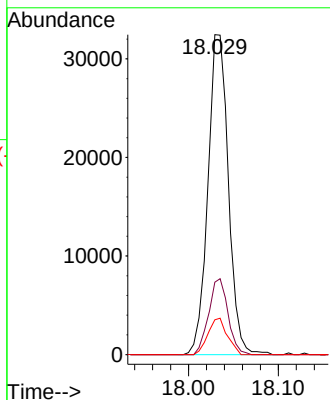
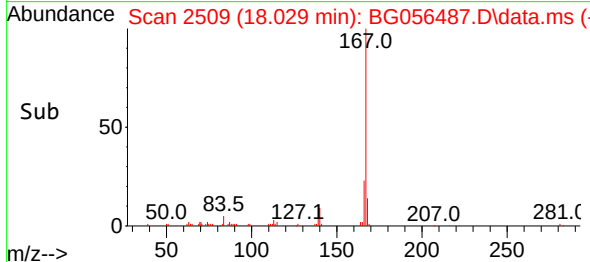
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



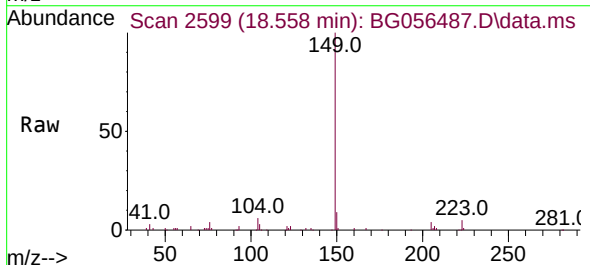
Tgt Ion:167 Resp: 51529
Ion Ratio Lower Upper
167 100
166 22.6 17.8 26.6
139 10.9 8.9 13.3

Manual Integrations
APPROVED

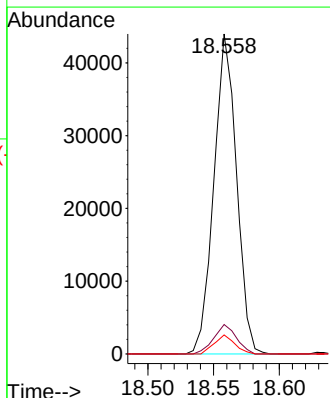
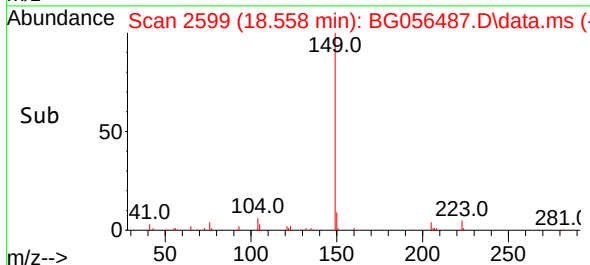
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

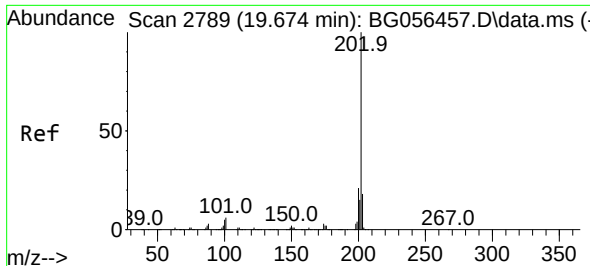


#74
Di-n-butylphthalate
Concen: 3.756 ng
RT: 18.558 min Scan# 2599
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



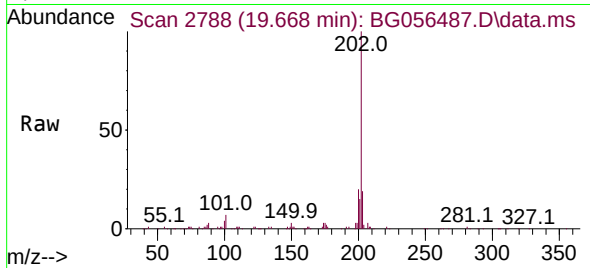
Tgt Ion:149 Resp: 52747
Ion Ratio Lower Upper
149 100
150 9.9 7.8 11.6
104 5.9 4.0 6.0





#75
Fluoranthene
Concen: 3.858 ng
RT: 19.668 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

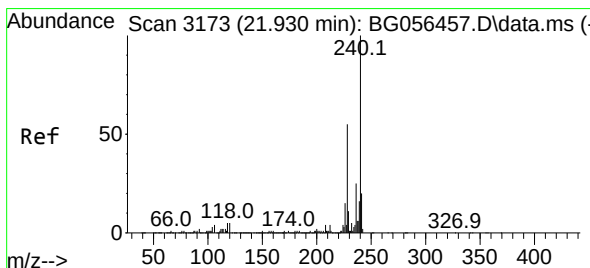
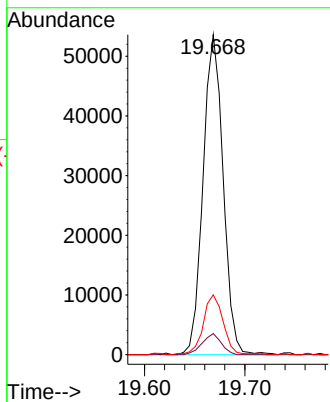
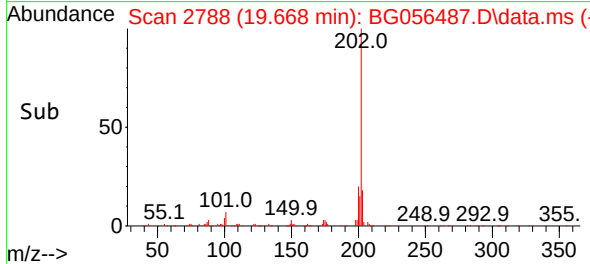
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:202 Resp: 74480
Ion Ratio Lower Upper
202 100
101 6.6 0.0 25.6
203 18.7 0.0 38.1

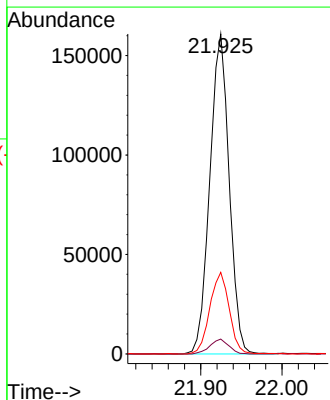
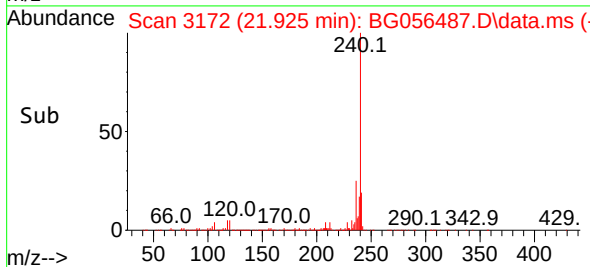
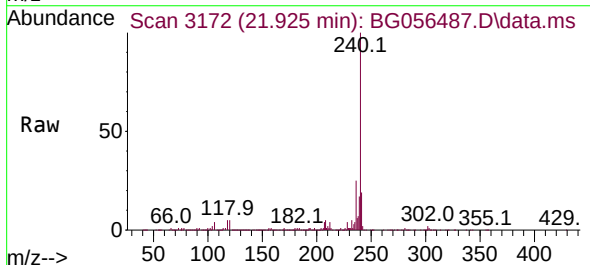
Manual Integrations
APPROVED

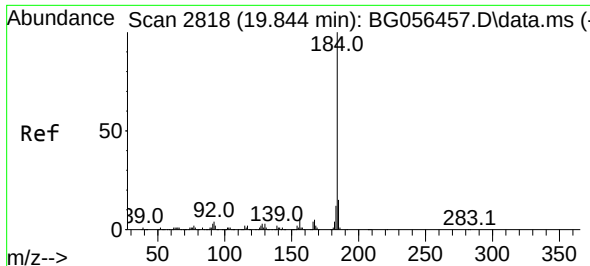
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

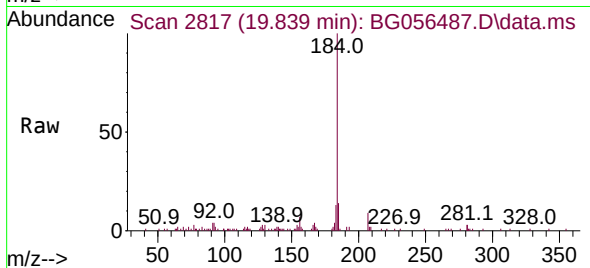
Tgt Ion:240 Resp: 266124
Ion Ratio Lower Upper
240 100
120 4.6 3.8 5.8
236 25.5 20.2 30.2





#77
Benzidine
Concen: 5.088 ng
RT: 19.839 min Scan# 2817
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

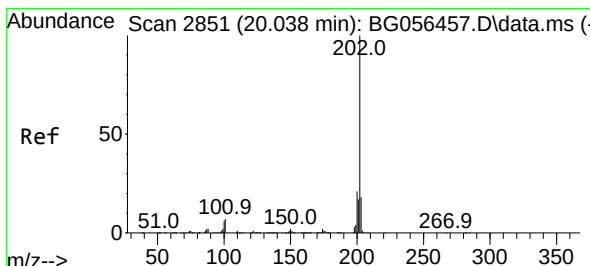
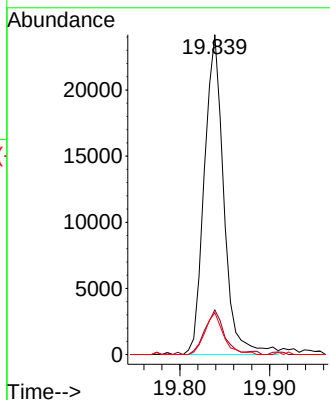
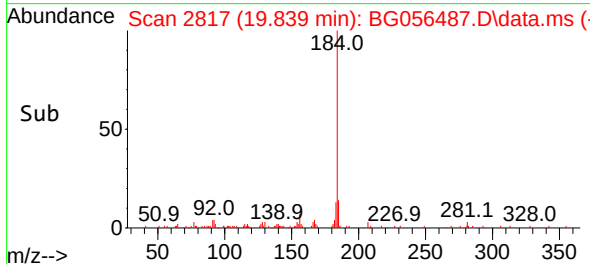
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:184 Resp: 36639
Ion Ratio Lower Upper
184 100
185 14.0 12.3 18.5
183 13.1 9.8 14.8

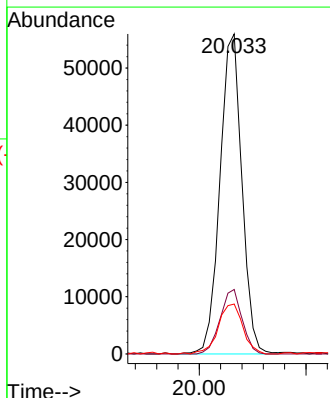
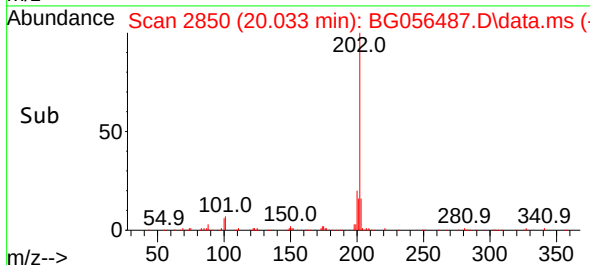
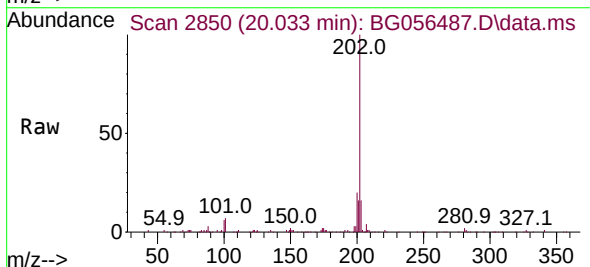
Manual Integrations
APPROVED

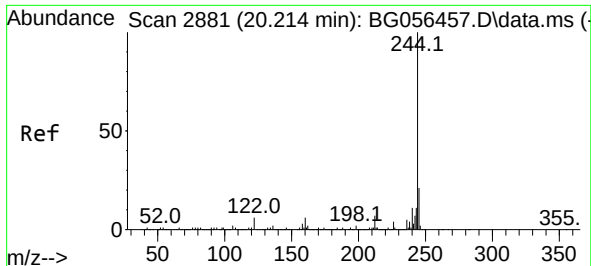
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#78
Pyrene
Concen: 4.228 ng
RT: 20.033 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

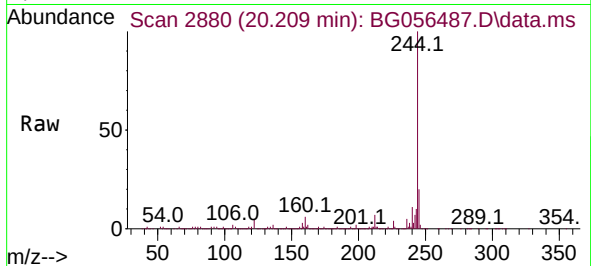
Tgt Ion:202 Resp: 80022
Ion Ratio Lower Upper
202 100
200 20.1 16.7 25.1
203 15.6 14.4 21.6





#79
Terphenyl-d14
Concen: 75.770 ng
RT: 20.209 min Scan# 2881
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

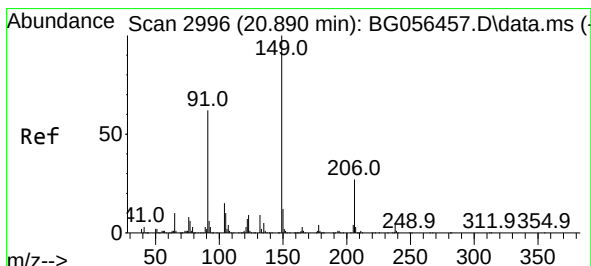
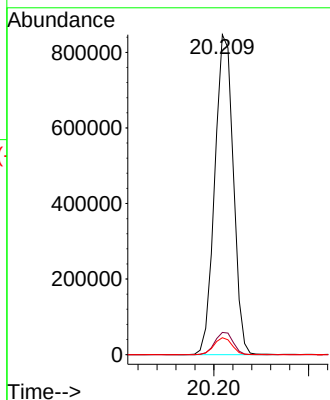
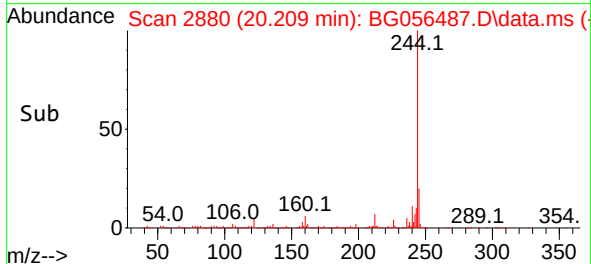
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:244 Resp: 1148064
Ion Ratio Lower Upper
244 100
212 7.0 5.5 8.3
122 5.3 4.4 6.6

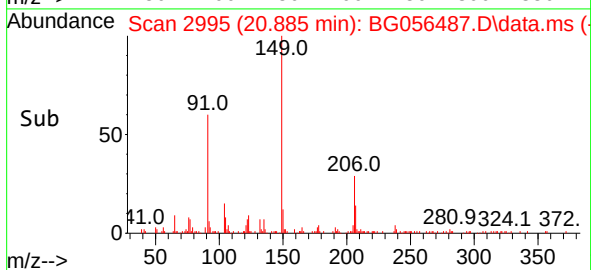
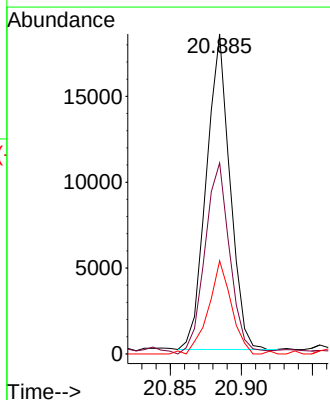
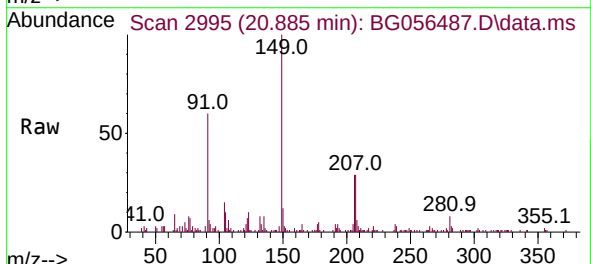
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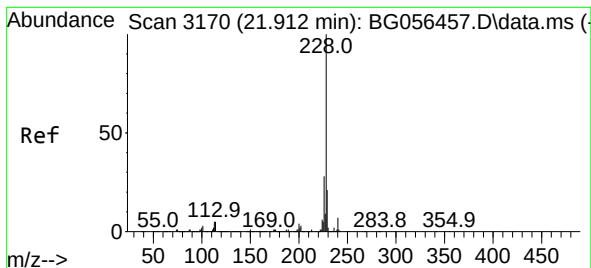
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#80
Butylbenzylphthalate
Concen: 3.671 ng
RT: 20.885 min Scan# 2995
Delta R.T. 0.000 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Tgt Ion:149 Resp: 21220
Ion Ratio Lower Upper
149 100
91 59.7 49.4 74.0
206 29.1 22.0 33.0





#81

Benzo(a)anthracene

Concen: 3.853 ng

RT: 21.901 min Scan# 3168

Delta R.T. 0.000 min

Lab File: BG056487.D

Acq: 31 Jan 2023 16:11

Instrument :

BNA_G

ClientSampleId :

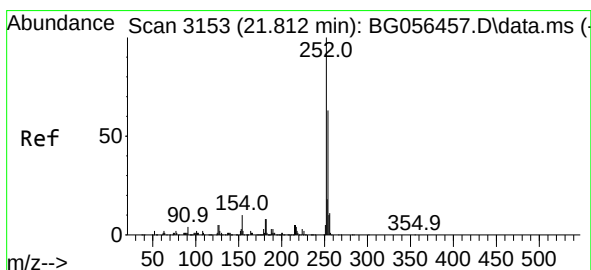
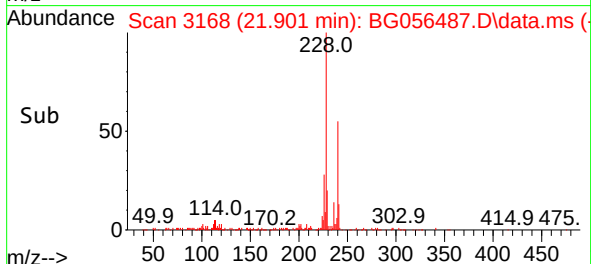
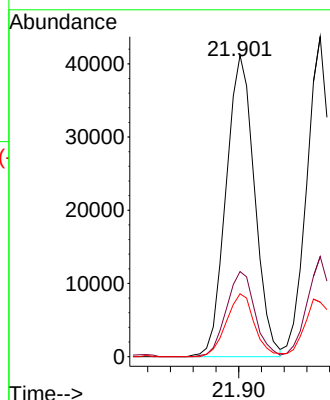
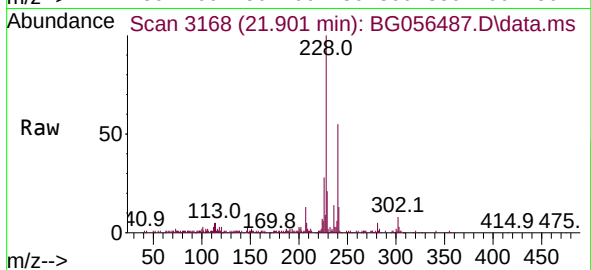
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:	228	Resp:	71679
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.4	33.6
229	20.9	16.5	24.7

Manual Integrations

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Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#82

3,3'-Dichlorobenzidine

Concen: 4.495 ng

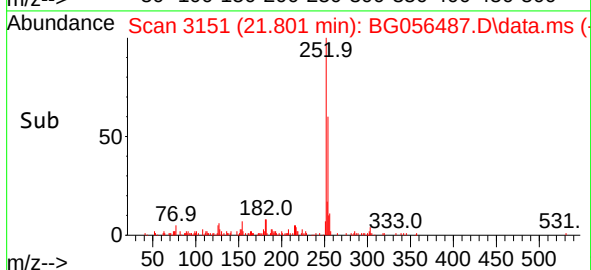
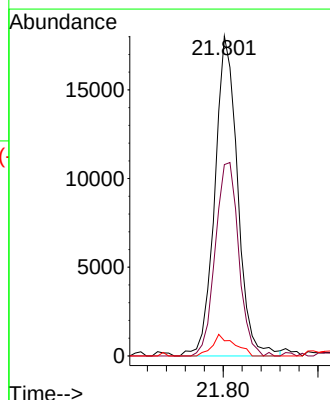
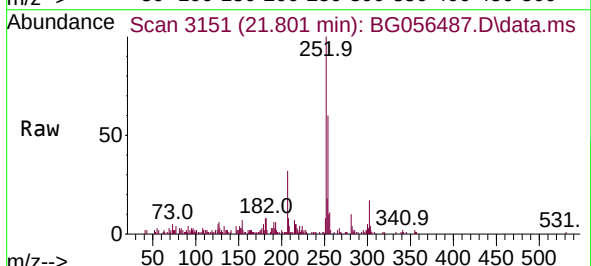
RT: 21.801 min Scan# 3151

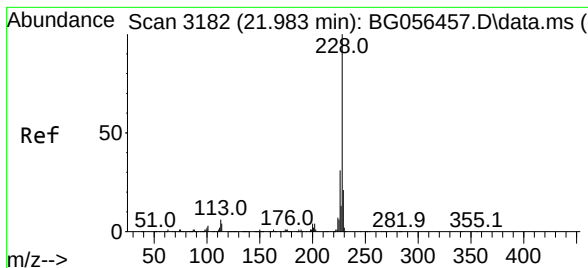
Delta R.T. -0.005 min

Lab File: BG056487.D

Acq: 31 Jan 2023 16:11

Tgt Ion:	252	Resp:	30113
Ion Ratio	Lower	Upper	
252	100		
254	59.8	50.0	75.0
126	4.7	4.3	6.5





#83

Chrysene

Concen: 3.845 ng

RT: 21.972 min Scan# 3180

Delta R.T. -0.005 min

Lab File: BG056487.D

Acq: 31 Jan 2023 16:11

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

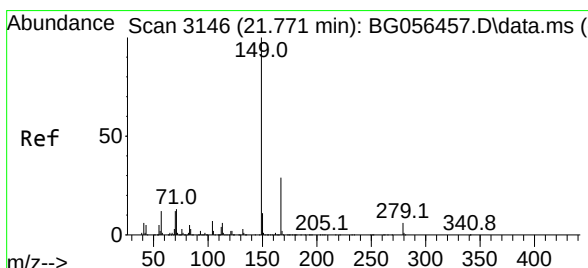
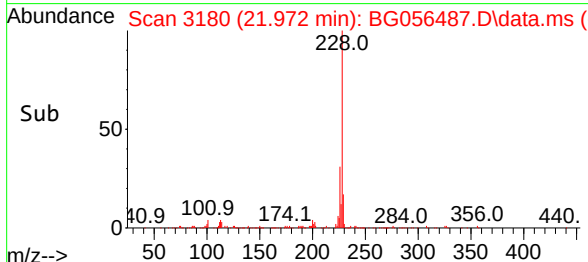
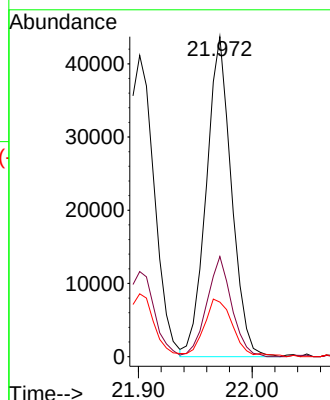
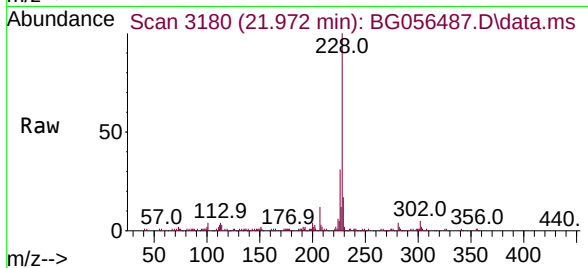
Tgt Ion:228 Resp: 67216

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.4
229	17.0	16.4	24.6

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Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.705 ng

RT: 21.760 min Scan# 3144

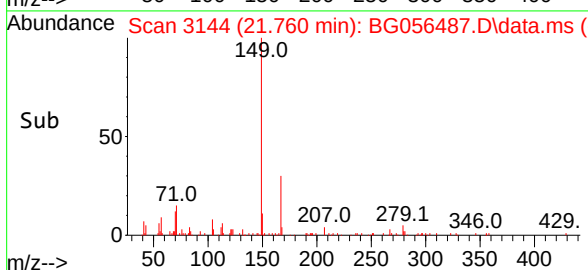
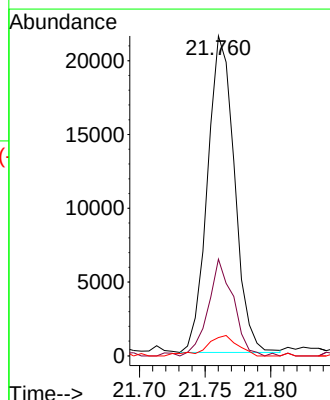
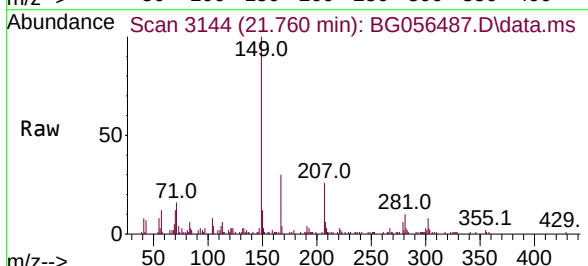
Delta R.T. -0.005 min

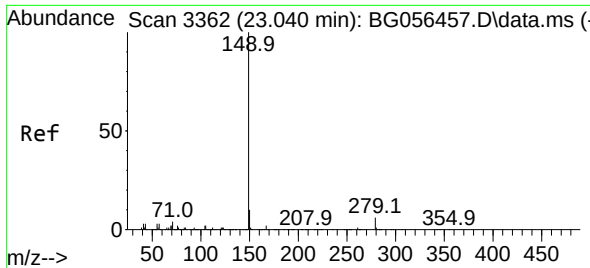
Lab File: BG056487.D

Acq: 31 Jan 2023 16:11

Tgt Ion:149 Resp: 30703

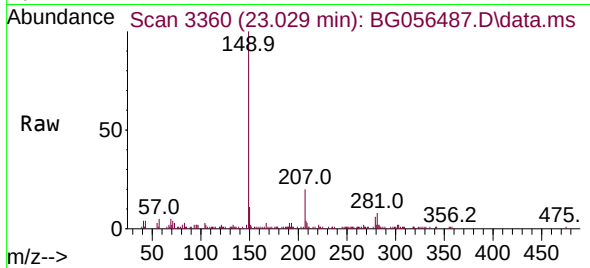
Ion	Ratio	Lower	Upper
149	100		
167	30.2	23.4	35.2
279	5.7	4.4	6.6





#85
Di-n-octyl phthalate
Concen: 3.645 ng
RT: 23.029 min Scan# 3362
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

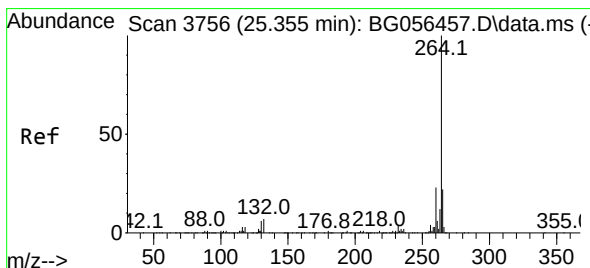
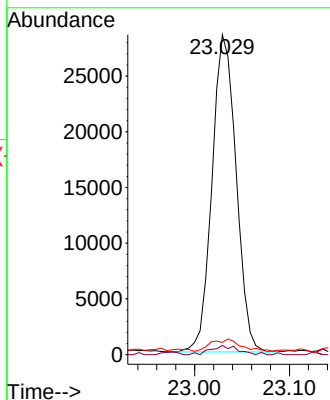
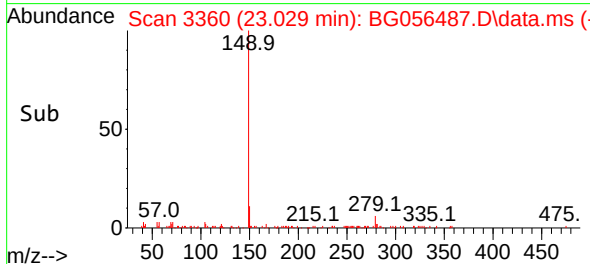
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



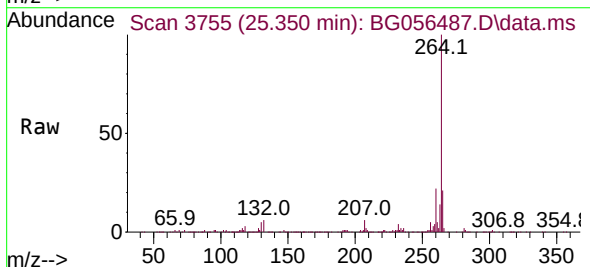
Tgt Ion:149 Resp: 50308
Ion Ratio Lower Upper
149 100
167 3.2 1.4 2.0
43 5.2 2.7 4.1

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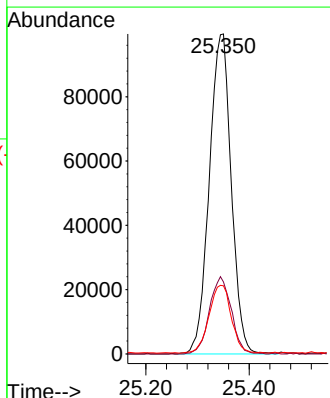
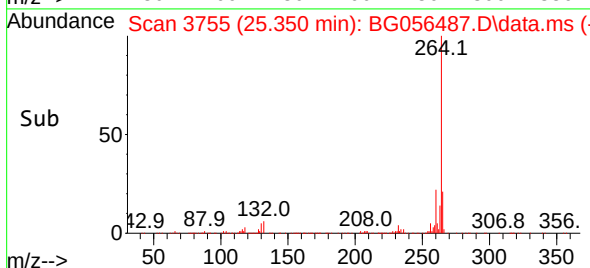
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

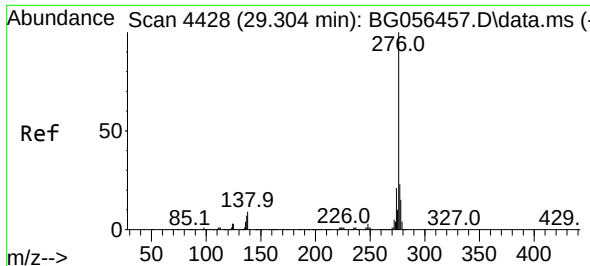


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.350 min Scan# 3755
Delta R.T. 0.006 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11



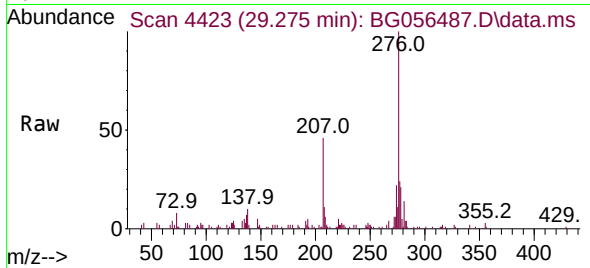
Tgt Ion:264 Resp: 294093
Ion Ratio Lower Upper
264 100
260 22.5 18.2 27.4
265 21.3 18.1 27.1





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.660 ng
 RT: 29.275 min Scan# 4428
 Delta R.T. -0.005 min
 Lab File: BG056487.D
 Acq: 31 Jan 2023 16:11

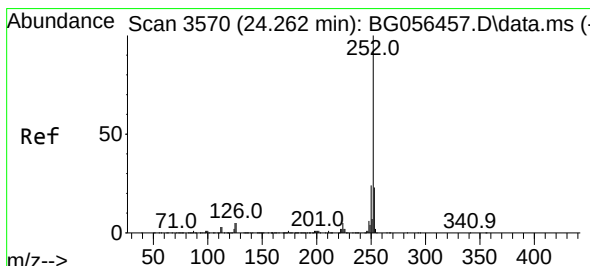
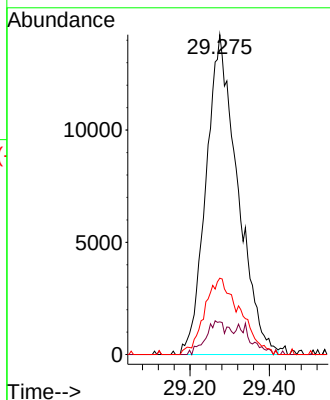
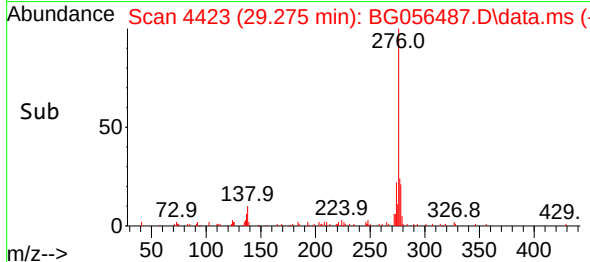
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022



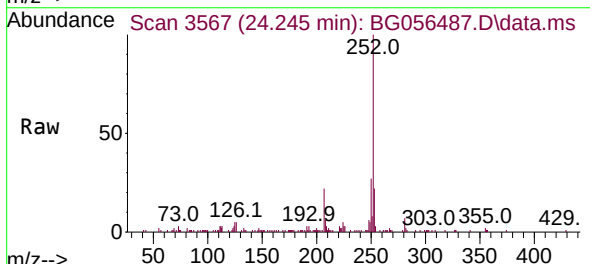
Tgt Ion:276 Resp: 78795
 Ion Ratio Lower Upper
 276 100
 138 6.0 9.4 14.2
 277 27.1 20.3 30.5

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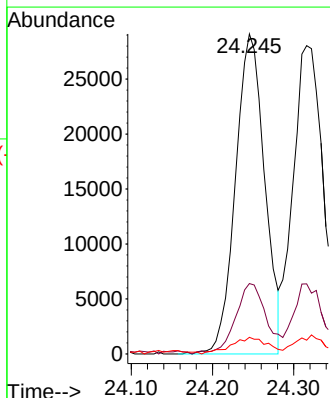
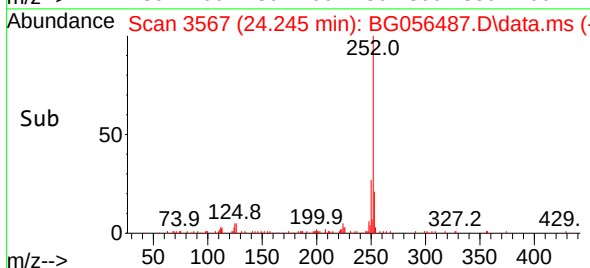
Reviewed By :Christian Giraldo 02/01/2023
 Supervised By :Jagrut Upadhyay 02/01/2023

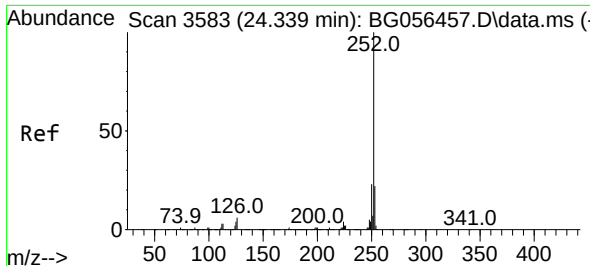


#88
 Benzo(b)fluoranthene
 Concen: 3.978 ng
 RT: 24.245 min Scan# 3567
 Delta R.T. -0.005 min
 Lab File: BG056487.D
 Acq: 31 Jan 2023 16:11



Tgt Ion:252 Resp: 72613
 Ion Ratio Lower Upper
 252 100
 253 22.0 18.1 27.1
 125 5.2 3.9 5.9





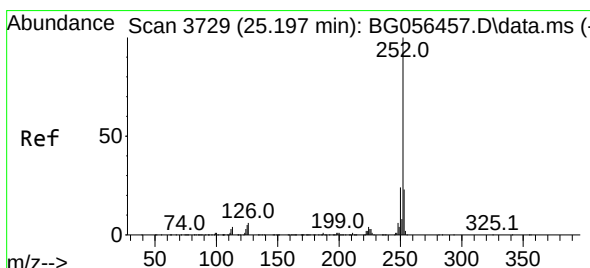
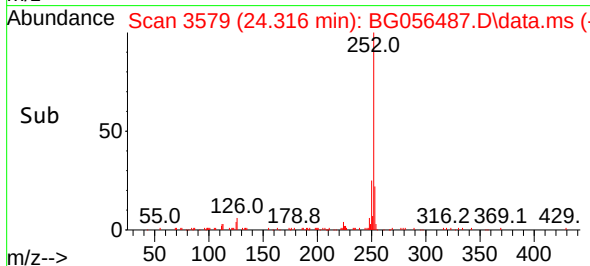
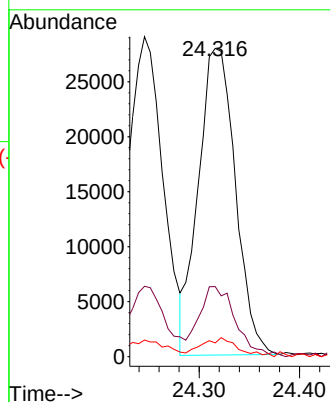
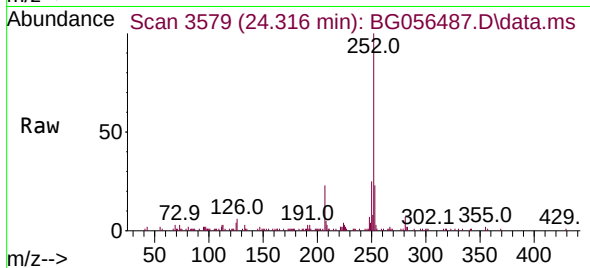
#89
Benzo(k)fluoranthene
Concen: 3.885 ng
RT: 24.316 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:252 Resp: 71603
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 4.4 3.4 5.0

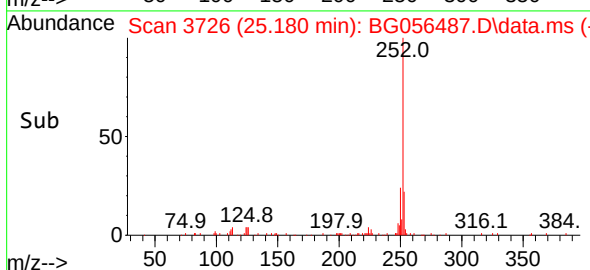
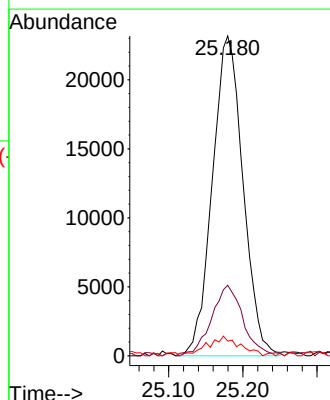
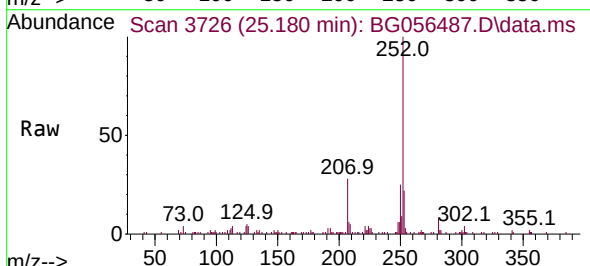
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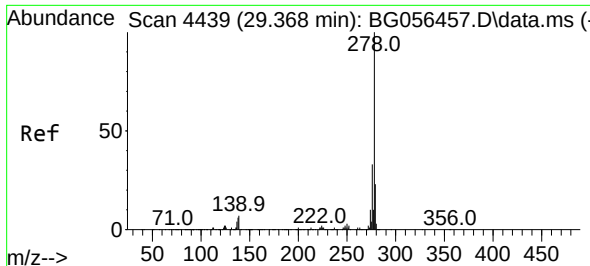
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#90
Benzo(a)pyrene
Concen: 3.693 ng
RT: 25.180 min Scan# 3726
Delta R.T. -0.005 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

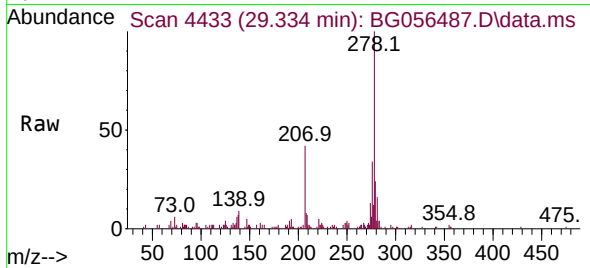
Tgt Ion:252 Resp: 66412
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 4.6 4.1 6.1





#91
Dibenzo(a,h)anthracene
Concen: 3.916 ng
RT: 29.334 min Scan# 4439
Delta R.T. -0.011 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

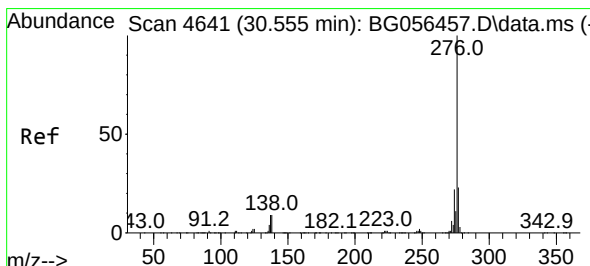
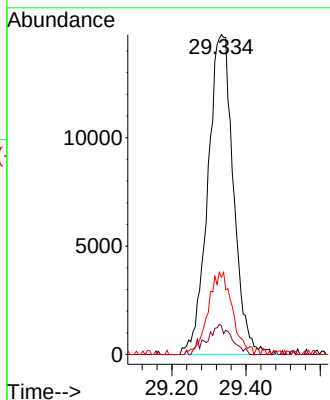
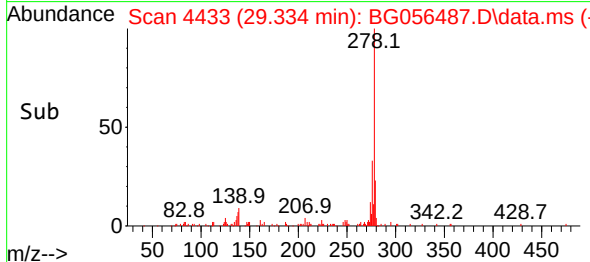
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:278 Resp: 70772
Ion Ratio Lower Upper
278 100
139 9.0 5.5 8.3
279 24.2 18.8 28.2

Manual Integrations
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Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#92
Benzo(g,h,i)perylene
Concen: 3.885 ng
RT: 30.515 min Scan# 4634
Delta R.T. -0.011 min
Lab File: BG056487.D
Acq: 31 Jan 2023 16:11

Tgt Ion:276 Resp: 67744
Ion Ratio Lower Upper
276 100
277 26.5 18.5 27.7
138 12.3 7.4 11.0

