

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG033123\
 Data File : BG056943.D
 Acq On : 31 Mar 2023 14:10
 Operator : CG/JU
 Sample : 01627-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Quant Time: Apr 01 02:34:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 03:23:11 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 04/03/2023
 Supervised By :Jagrut Upadhyay 04/03/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.419	152	15308	20.000	ng	0.00
21) Naphthalene-d8	11.257	136	61823	20.000	ng	# 0.00
39) Acenaphthene-d10	15.034	164	50520	20.000	ng	0.00
64) Phenanthrene-d10	17.771	188	124797	20.000	ng	0.00
76) Chrysene-d12	22.095	240	121746	20.000	ng	0.00
86) Perylene-d12	25.643	264	131444	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.917	112	101797	106.428	ng	0.00
7) Phenol-d6	7.538	99	151372	105.815	ng	0.00
23) Nitrobenzene-d5	9.588	82	117586	77.824	ng	0.00
42) 2,4,6-Tribromophenol	16.508	330	85240	105.616	ng	0.00
45) 2-Fluorobiphenyl	13.659	172	286155	76.807	ng	0.00
79) Terphenyl-d14	20.344	244	557427	77.477	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.726	88	1934	4.613	ng	90
3) Pyridine	4.160	79	4342m	3.215	ng	
4) n-Nitrosodimethylamine	4.055	42	2243	3.612	ng	# 79
6) Aniline	7.726	93	7334	4.010	ng	# 91
8) 2-Chlorophenol	7.967	128	3368	3.535	ng	91
9) Benzaldehyde	7.532	77	4650	5.182	ng	95
10) Phenol	7.568	94	5682	4.009	ng	83
11) bis(2-Chloroethyl)ether	7.808	93	3680	3.645	ng	# 77
12) 1,3-Dichlorobenzene	8.302	146	4120	3.914	ng	# 78
13) 1,4-Dichlorobenzene	8.449	146	4486	4.222	ng	90
14) 1,2-Dichlorobenzene	8.778	146	4076m	3.971	ng	
15) Benzyl Alcohol	8.643	79	4077	3.430	ng	# 87
16) 2,2'-oxybis(1-Chloropr...	8.930	45	4832	3.971	ng	88
17) 2-Methylphenol	8.836	107	3640	3.599	ng	97
18) Hexachloroethane	9.530	117	1516	3.904	ng	# 82
19) n-Nitroso-di-n-propyla...	9.207	70	3957	3.867	ng	# 88
20) 3+4-Methylphenols	9.171	107	4817	3.406	ng	99
22) Acetophenone	9.242	105	7102	3.861	ng	# 97
24) Nitrobenzene	9.635	77	6032	3.905	ng	97
25) Isophorone	10.146	82	10882	3.782	ng	97
26) 2-Nitrophenol	10.358	139	2272	3.810	ng	# 82
27) 2,4-Dimethylphenol	10.393	122	3902	3.707	ng	94
28) bis(2-Chloroethoxy)met...	10.634	93	5665	3.933	ng	93
29) 2,4-Dichlorophenol	10.887	162	4104	3.625	ng	83
30) 1,2,4-Trichlorobenzene	11.116	180	5119	4.255	ng	# 87
31) Naphthalene	11.310	128	12659	3.757	ng	# 93
33) 4-Chloroaniline	11.409	127	5456	3.585	ng	# 89
34) Hexachlorobutadiene	11.586	225	3595	3.978	ng	85
35) Caprolactam	12.132	113	1228	3.145	ng	# 60
36) 4-Chloro-3-methylphenol	12.484	107	4647	3.670	ng	95
37) 2-Methylnaphthalene	12.878	142	8976	3.356	ng	88
38) 1-Methylnaphthalene	13.101	142	9077	3.614	ng	91
40) 1,2,4,5-Tetrachloroben...	13.248	216	6590	3.762	ng	99
41) Hexachlorocyclopentadiene	13.219	237	3031	3.140	ng	# 75
43) 2,4,6-Trichlorophenol	13.471	196	3788	3.388	ng	97
44) 2,4,5-Trichlorophenol	13.536	196	3960	2.990	ng	93

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 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

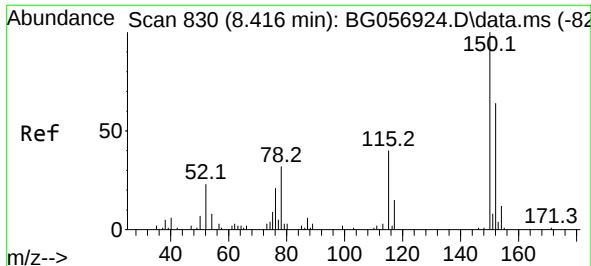
Quant Time: Apr 01 02:34:23 2023
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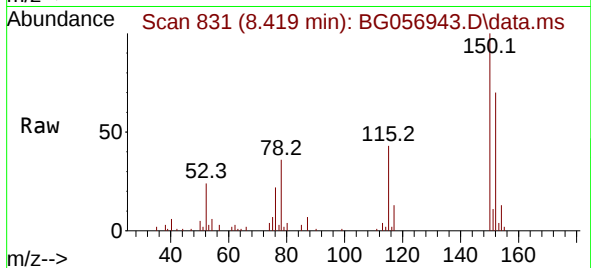
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.871	154	14437	3.904	ng	90
47) 2-Chloronaphthalene	13.918	162	10686	3.907	ng	95
48) 2-Nitroaniline	14.106	65	3318	3.393	ng	85
49) Acenaphthylene	14.758	152	16756	3.729	ng	97
50) Dimethylphthalate	14.458	163	15538	3.903	ng	# 97
51) 2,6-Dinitrotoluene	14.588	165	3024	3.516	ng	# 86
52) Acenaphthene	15.093	154	10518	3.394	ng	93
53) 3-Nitroaniline	14.922	138	2801	3.290	ng	# 93
55) Dibenzofuran	15.422	168	17633	3.791	ng	94
56) 4-Nitrophenol	15.210	139	2383	3.786	ng	# 63
57) 2,4-Dinitrotoluene	15.369	165	3849	3.173	ng	# 83
58) Fluorene	16.074	166	14807	3.847	ng	87
59) 2,3,4,6-Tetrachlorophenol	15.645	232	3939	3.267	ng	# 95
60) Diethylphthalate	15.809	149	14534	3.642	ng	99
61) 4-Chlorophenyl-phenyle...	16.050	204	8168	3.614	ng	97
62) 4-Nitroaniline	16.074	138	3768	4.272	ng	# 83
63) Azobenzene	16.344	77	14809	3.724	ng	95
65) 4,6-Dinitro-2-methylph...	16.132	198	1933	2.557	ng	85
66) n-Nitrosodiphenylamine	16.262	169	13269	3.961	ng	91
67) 4-Bromophenyl-phenylether	16.949	248	5420	3.510	ng	95
68) Hexachlorobenzene	17.072	284	5966	3.908	ng	93
69) Atrazine	17.190	200	5789	4.163	ng	95
71) Phenanthrene	17.813	178	25214	3.963	ng	99
72) Anthracene	17.907	178	25019	3.836	ng	97
73) Carbazole	18.165	167	22659	3.984	ng	97
74) Di-n-butylphthalate	18.688	149	23354	3.546	ng	99
75) Fluoranthene	19.798	202	29599	3.670	ng	98
77) Benzidine	19.963	184	17829	5.358	ng	98
78) Pyrene	20.162	202	30678	3.643	ng	94
80) Butylbenzylphthalate	21.020	149	9903	3.418	ng	97
81) Benzo(a)anthracene	22.071	228	31669	3.759	ng	96
82) 3,3'-Dichlorobenzidine	21.966	252	12276	4.315	ng	97
83) Chrysene	22.142	228	29712	3.767	ng	95
84) Bis(2-ethylhexyl)phtha...	21.925	149	14514	3.459	ng	# 95
85) Di-n-octyl phthalate	23.246	149	24588	3.477	ng	# 97
87) Indeno(1,2,3-cd)pyrene	29.738	276	37158	3.825	ng	# 86
88) Benzo(b)fluoranthene	24.503	252	32386	3.940	ng	# 91
89) Benzo(k)fluoranthene	24.574	252	33095m	4.033	ng	
90) Benzo(a)pyrene	25.473	252	28656	3.548	ng	99
91) Dibenzo(a,h)anthracene	29.790	278	29294	3.669	ng	# 96
92) Benzo(g,h,i)perylene	31.006	276	29893	3.823	ng	# 91

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.419 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

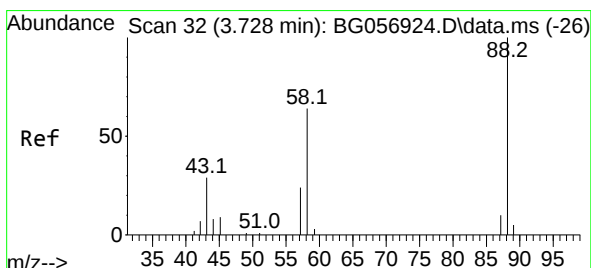
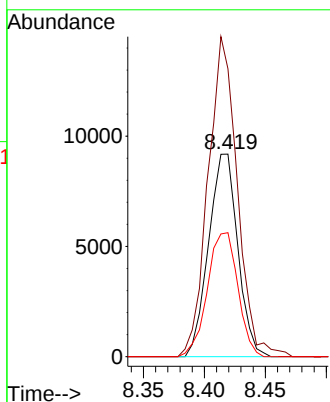
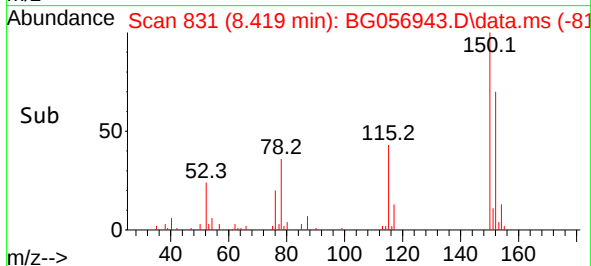
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:152 Resp: 15308
Ion Ratio Lower Upper
152 100
150 142.0 124.1 186.1
115 61.2 49.1 73.7

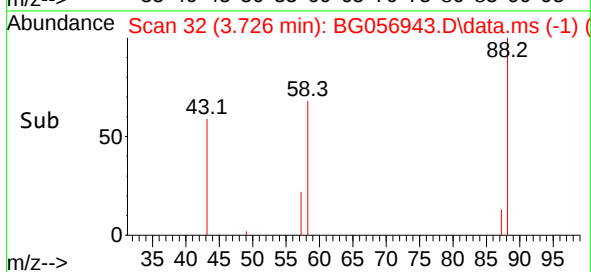
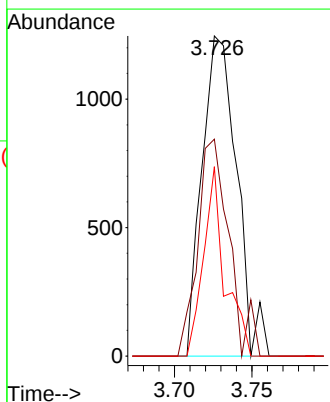
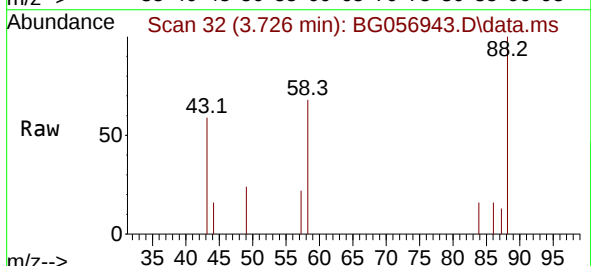
Manual Integrations
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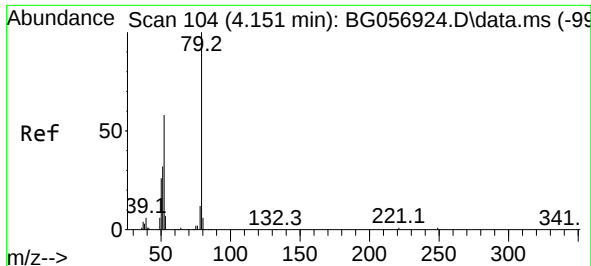
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#2
1,4-Dioxane
Concen: 4.613 ng
RT: 3.726 min Scan# 32
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

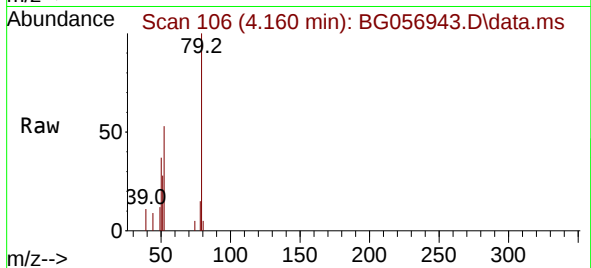
Tgt Ion: 88 Resp: 1934
Ion Ratio Lower Upper
88 100
58 61.2 55.9 83.9
43 36.3 25.7 38.5





#3
Pyridine
Concen: 3.215 ng m
RT: 4.160 min Scan# 106
Delta R.T. 0.009 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

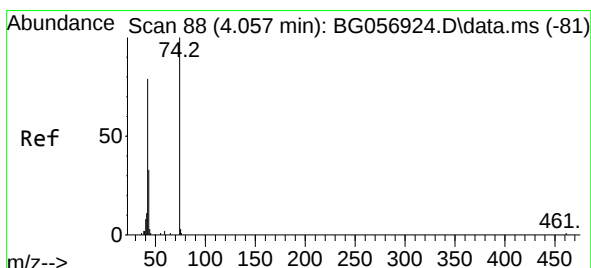
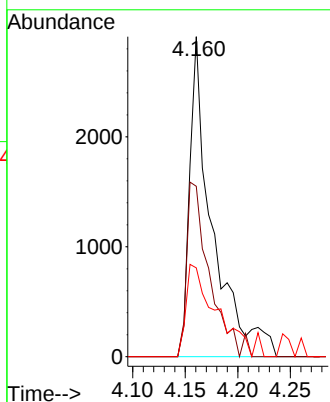
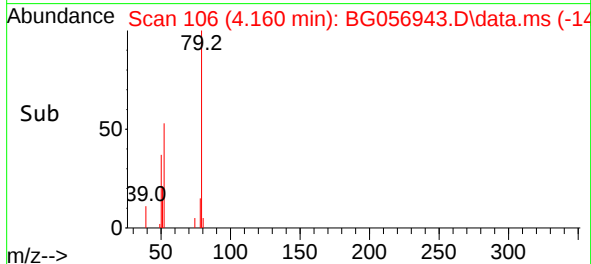
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 79 Resp: 434
Ion Ratio Lower Upper
79 100
52 53.3 46.1 69.1
51 27.8 26.1 39.1

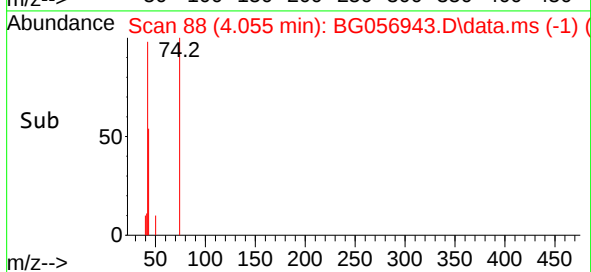
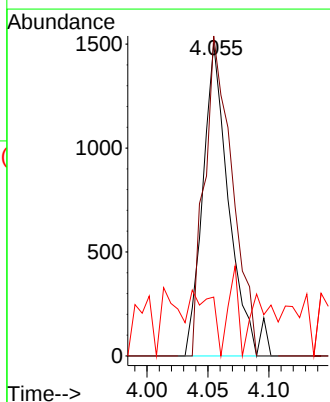
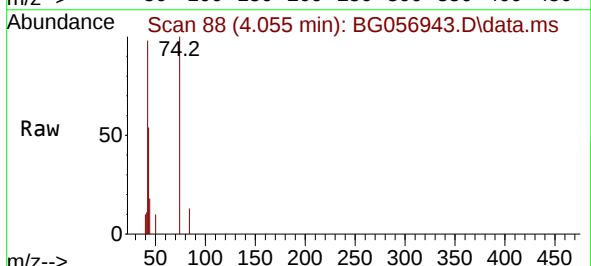
Manual Integrations
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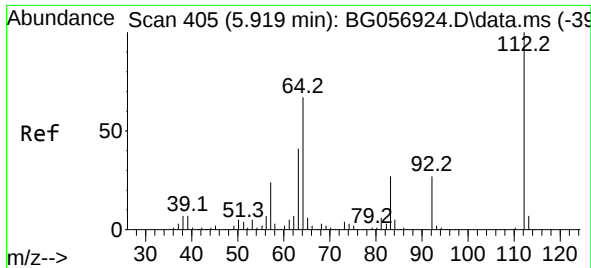
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#4
n-Nitrosodimethylamine
Concen: 3.612 ng
RT: 4.055 min Scan# 88
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

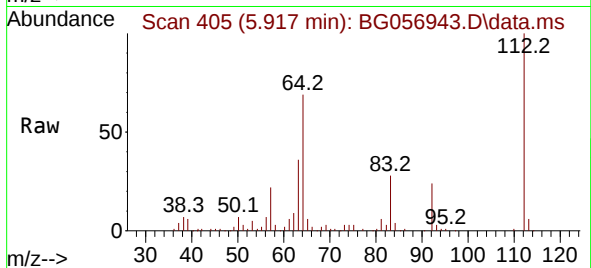
Tgt Ion: 42 Resp: 2243
Ion Ratio Lower Upper
42 100
74 102.4 100.6 151.0
44 18.8 4.6 7.0#





#5
2-Fluorophenol
Concen: 106.428 ng
RT: 5.917 min Scan# 405
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

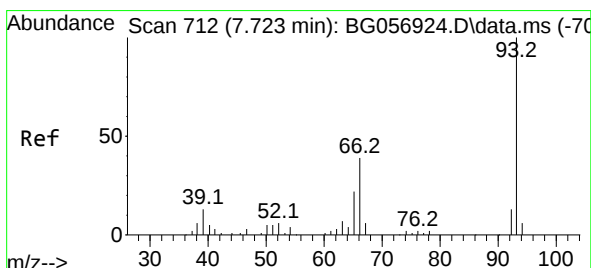
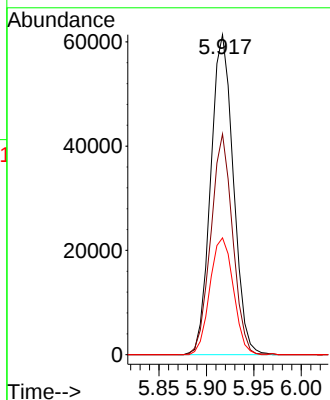
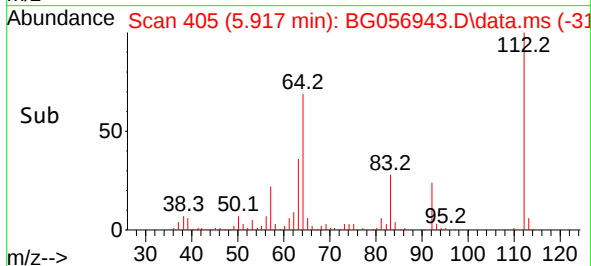
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



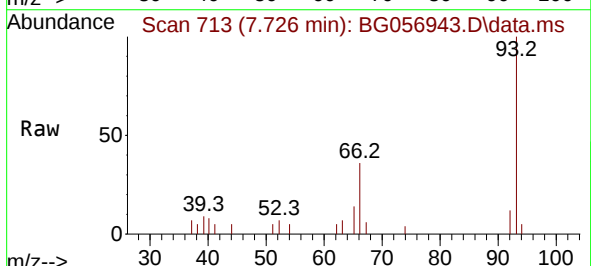
Tgt Ion:112 Resp: 10179
Ion Ratio Lower Upper
112 100
64 68.9 53.2 79.8
63 36.5 32.6 48.8

Manual Integrations
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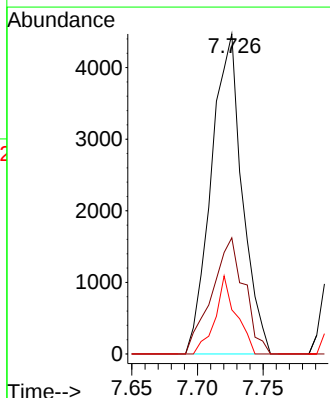
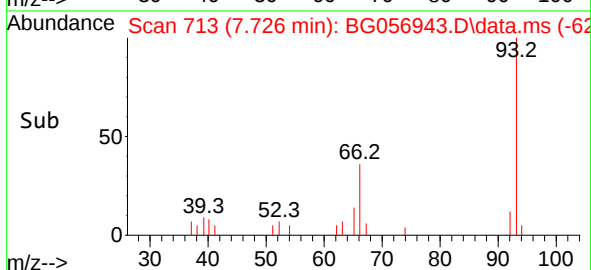
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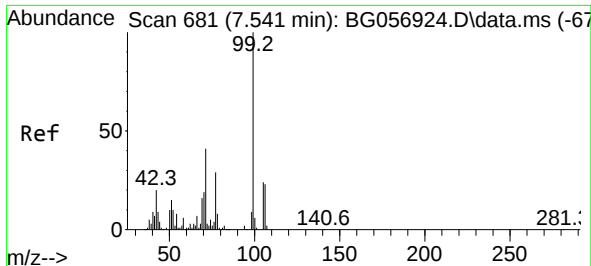


#6
Aniline
Concen: 4.010 ng
RT: 7.726 min Scan# 713
Delta R.T. 0.003 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10



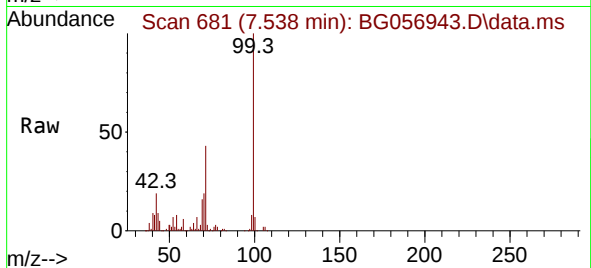
Tgt Ion: 93 Resp: 7334
Ion Ratio Lower Upper
93 100
66 36.3 31.4 47.0
65 13.8 17.3 25.9#





#7
Phenol-d6
Concen: 105.815 ng
RT: 7.538 min Scan# 681
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

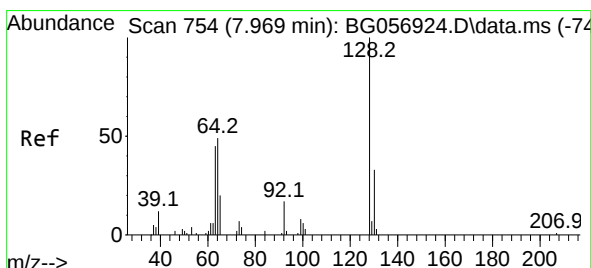
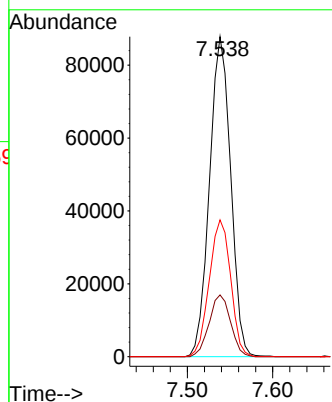
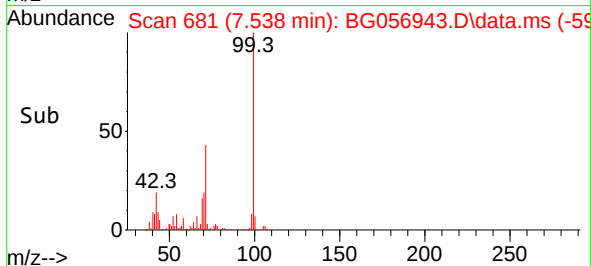
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BNA_G
ClientSampleId :
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Tgt Ion:	99	Resp:	15137
Ion Ratio	Lower	Upper	
99	100		
42	19.3	15.7	23.5
71	42.8	32.5	48.7

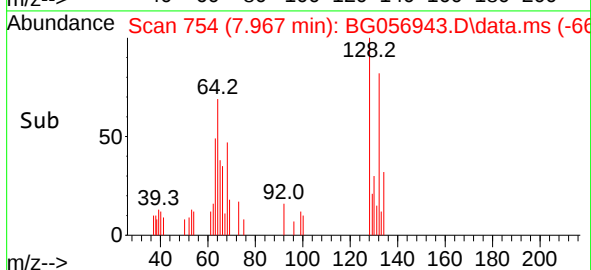
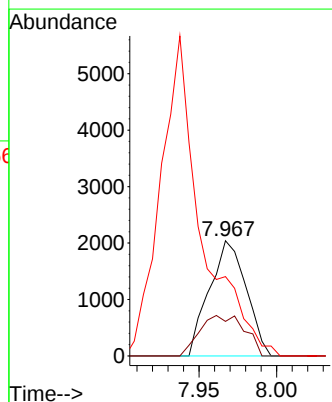
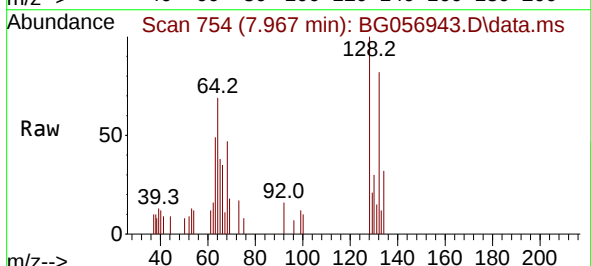
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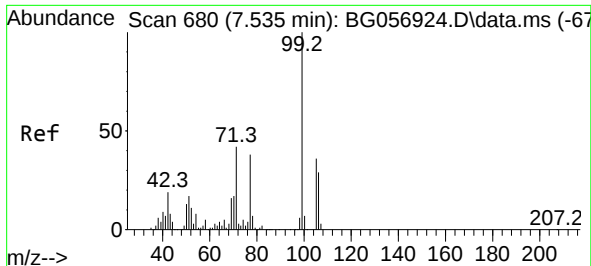
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#8
2-Chlorophenol
Concen: 3.535 ng
RT: 7.967 min Scan# 754
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

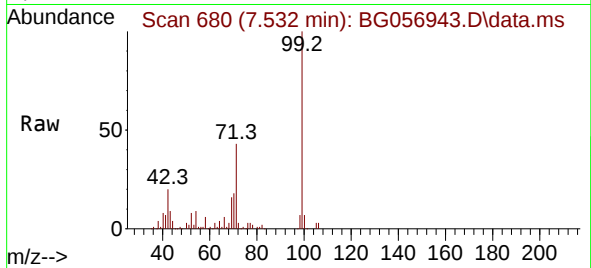
Tgt Ion:	128	Resp:	3368
Ion Ratio	Lower	Upper	
128	100		
130	30.0	12.6	52.6
64	68.9	40.6	80.6





#9
Benzaldehyde
Concen: 5.182 ng
RT: 7.532 min Scan# 680
Delta R.T. -0.003 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

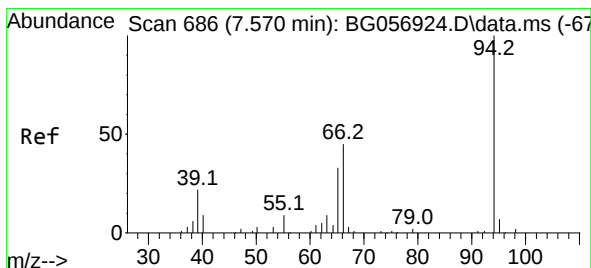
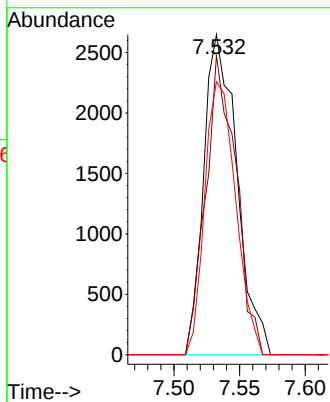
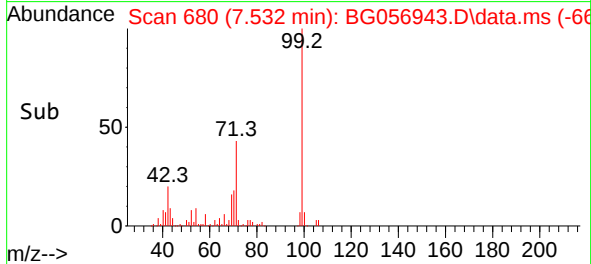
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 77 Resp: 4650
Ion Ratio Lower Upper
77 100
105 93.5 73.6 113.6
106 85.3 56.7 96.7

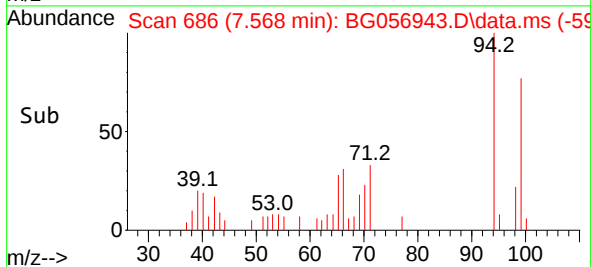
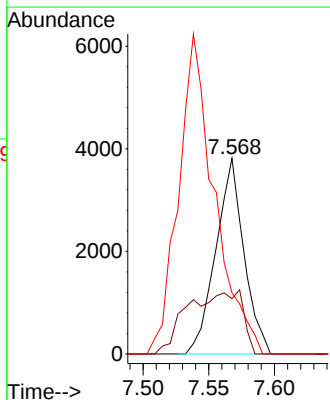
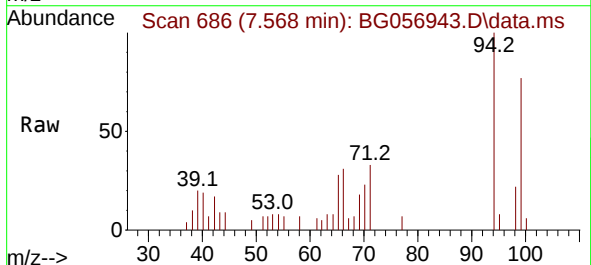
Manual Integrations
APPROVED

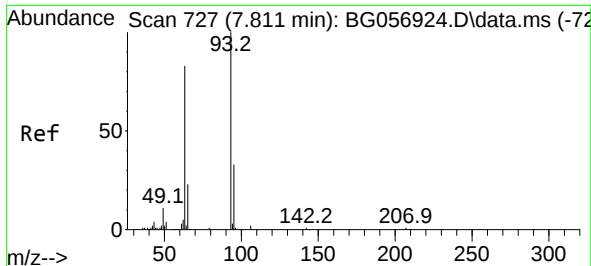
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#10
Phenol
Concen: 4.009 ng
RT: 7.568 min Scan# 686
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

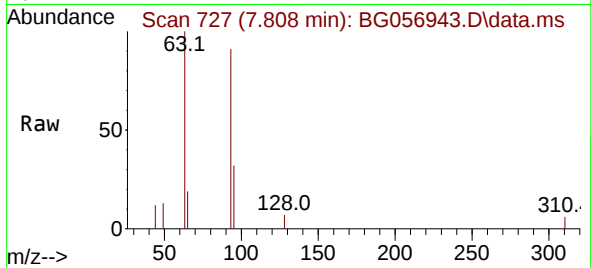
Tgt Ion: 94 Resp: 5682
Ion Ratio Lower Upper
94 100
65 28.3 13.3 53.3
66 31.3 26.7 66.7





#11
bis(2-Chloroethyl)ether
Concen: 3.645 ng
RT: 7.808 min Scan# 727
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

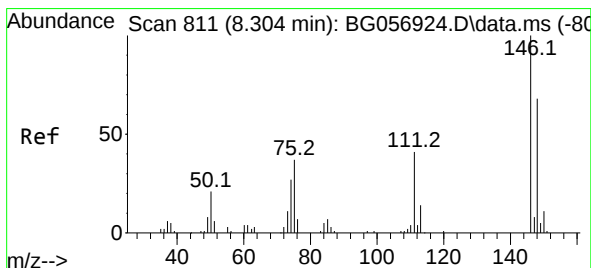
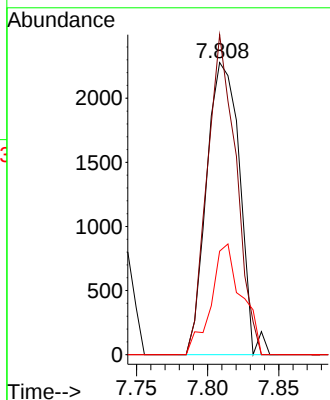
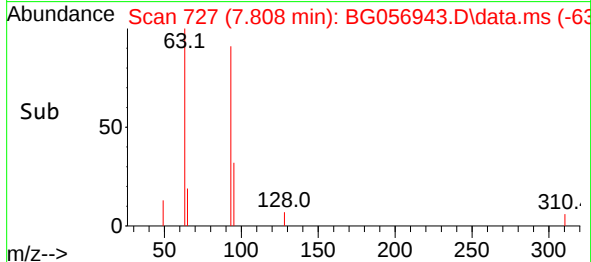
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 93 Resp: 3680
Ion Ratio Lower Upper
93 100
63 109.5 62.7 102.7
95 35.5 12.3 52.3

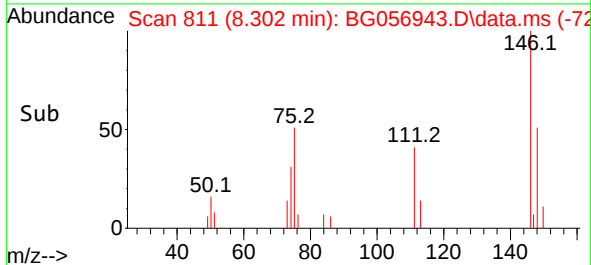
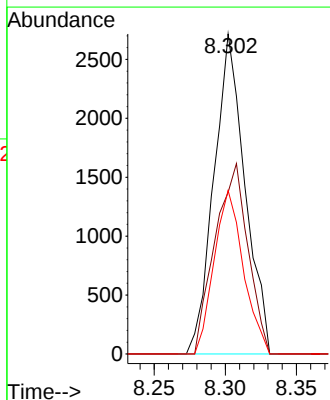
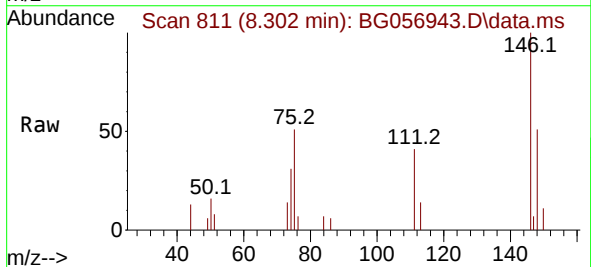
Manual Integrations
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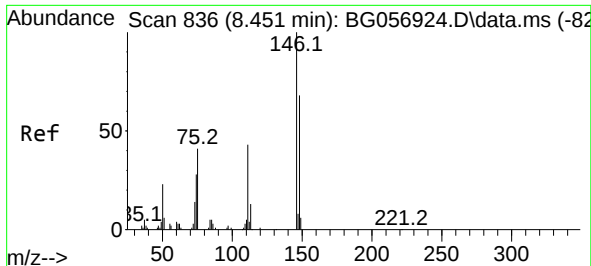
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#12
1,3-Dichlorobenzene
Concen: 3.914 ng
RT: 8.302 min Scan# 811
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:146 Resp: 4120
Ion Ratio Lower Upper
146 100
148 50.5 54.2 81.4#
75 51.1 29.8 44.8#





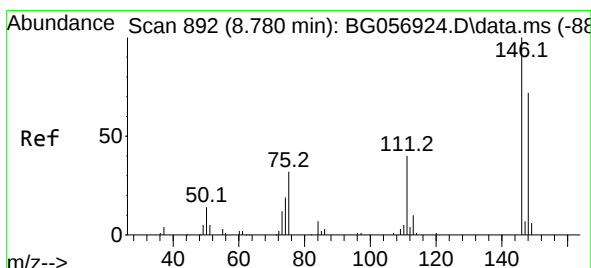
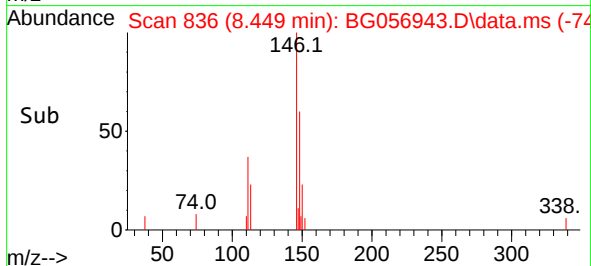
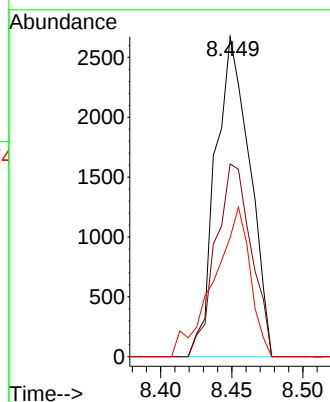
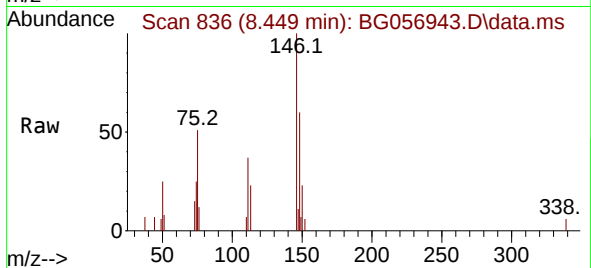
#13
1,4-Dichlorobenzene
Concen: 4.222 ng
RT: 8.449 min Scan# 811
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:146 Resp: 4480
Ion Ratio Lower Upper
146 100
148 60.2 54.8 82.2
111 37.2 34.6 52.0

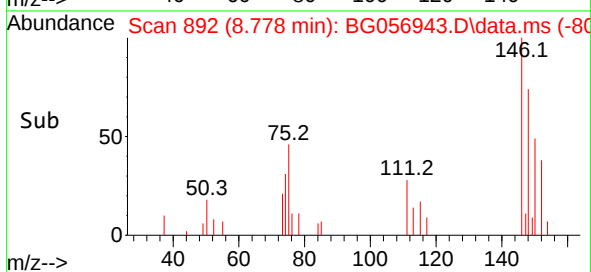
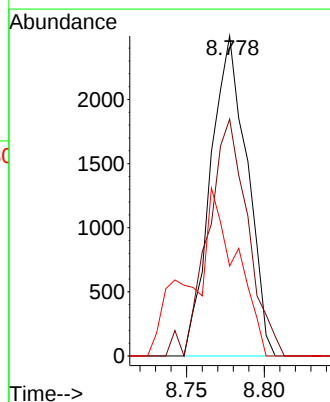
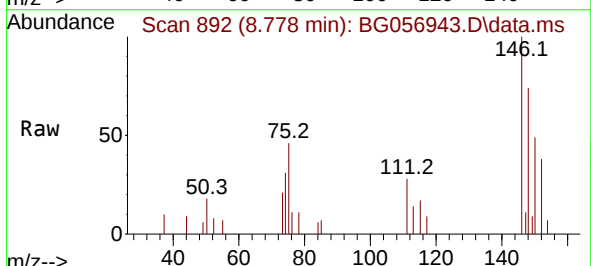
Manual Integrations
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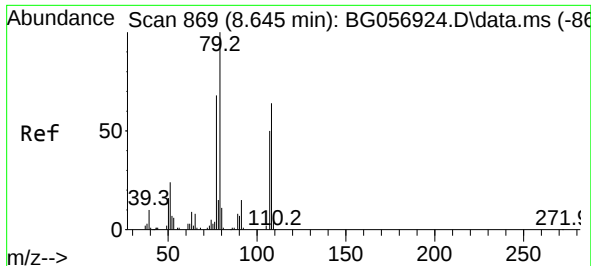
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#14
1,2-Dichlorobenzene
Concen: 3.971 ng m
RT: 8.778 min Scan# 892
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:146 Resp: 4076
Ion Ratio Lower Upper
146 100
148 74.0 57.4 86.0
111 28.1 33.2 49.8#





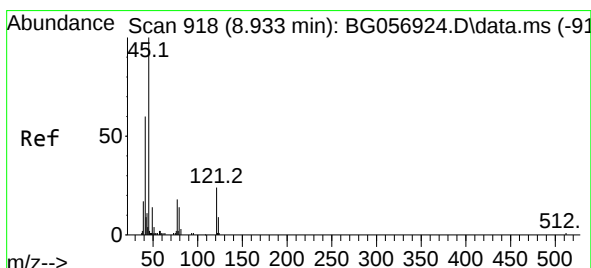
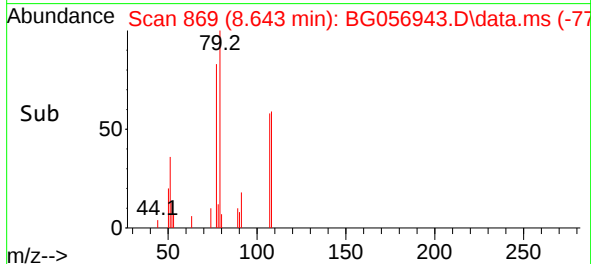
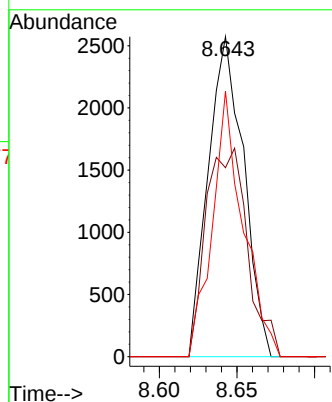
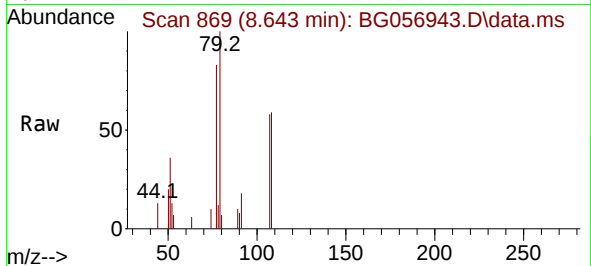
#15
Benzyl Alcohol
Concen: 3.430 ng
RT: 8.643 min Scan# 80
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 79 Resp: 407
Ion Ratio Lower Upper
79 100
108 59.0 51.2 76.8
77 83.0 54.4 81.6

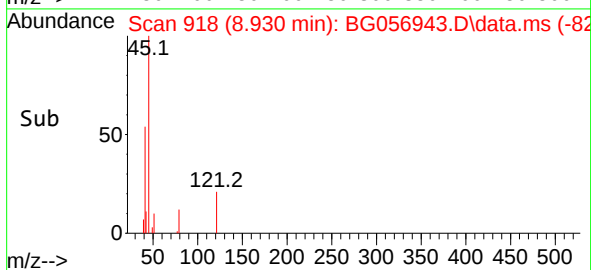
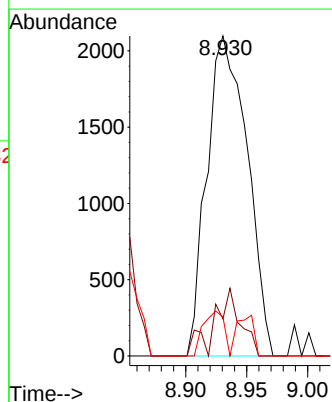
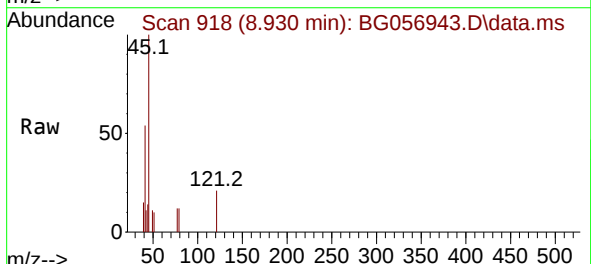
Manual Integrations
APPROVED

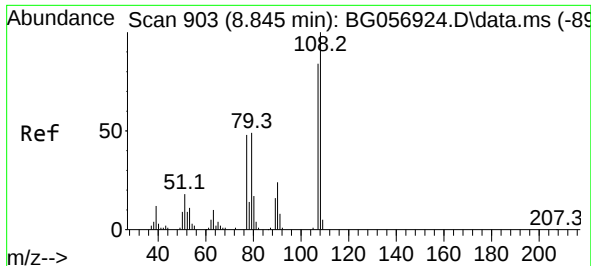
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.971 ng
RT: 8.930 min Scan# 918
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion: 45 Resp: 4832
Ion Ratio Lower Upper
45 100
77 11.5 0.0 38.7
79 12.2 0.0 35.1





#17

2-Methylphenol

Concen: 3.599 ng

RT: 8.836 min Scan# 903

Delta R.T. -0.008 min

Lab File: BG056943.D

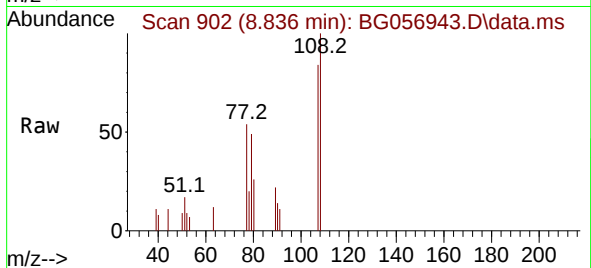
Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

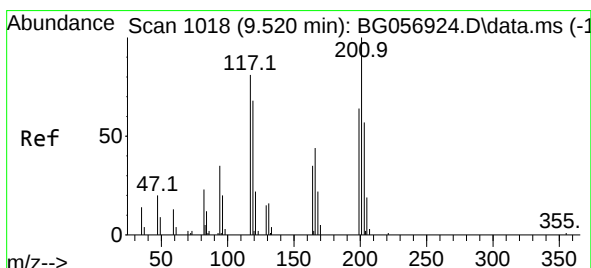
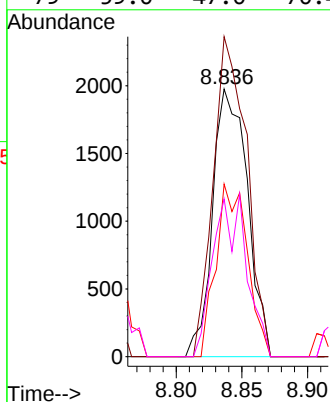
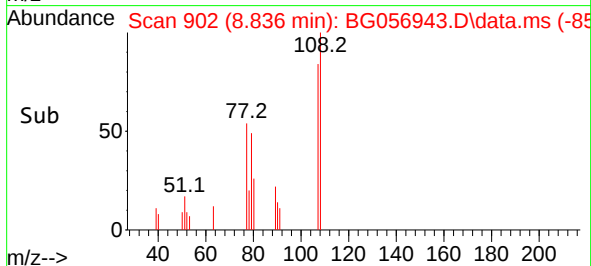


Tgt Ion:	107	Resp:	3640
Ion Ratio	Lower	Upper	
107	100		
108	119.5	96.0	144.0
77	64.5	45.6	68.4
79	59.0	47.0	70.4

Manual Integrations

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Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#18

Hexachloroethane

Concen: 3.904 ng

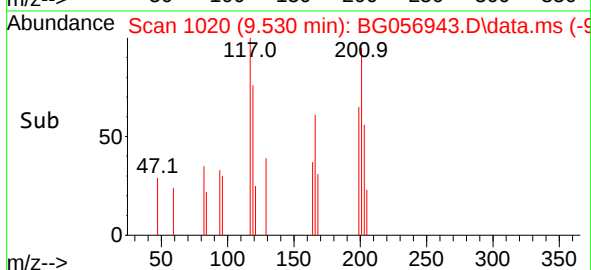
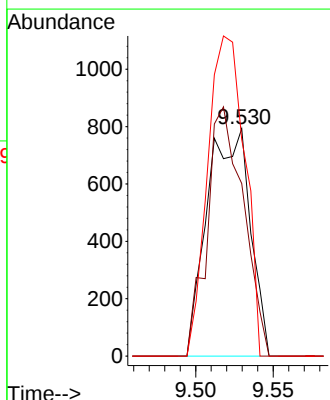
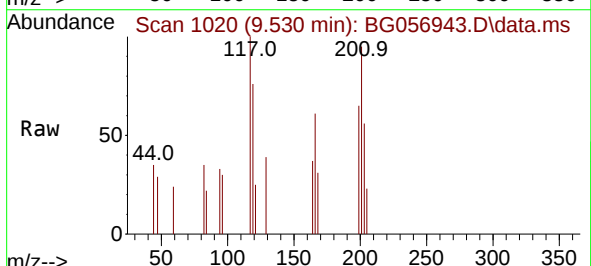
RT: 9.530 min Scan# 1020

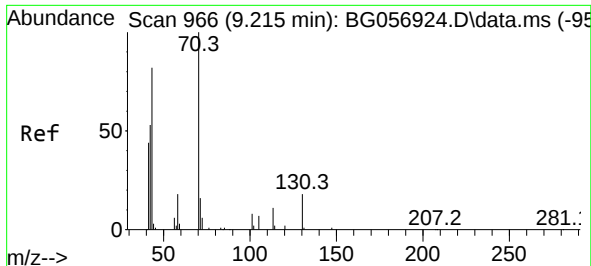
Delta R.T. 0.009 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

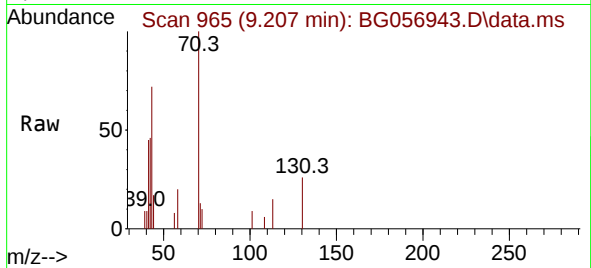
Tgt Ion:	117	Resp:	1516
Ion Ratio	Lower	Upper	
117	100		
119	75.9	67.0	100.6
201	95.2	98.7	148.1





#19
n-Nitroso-di-n-propylamine
Concen: 3.867 ng
RT: 9.207 min Scan# 90
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

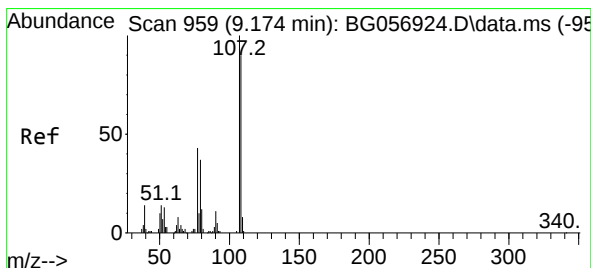
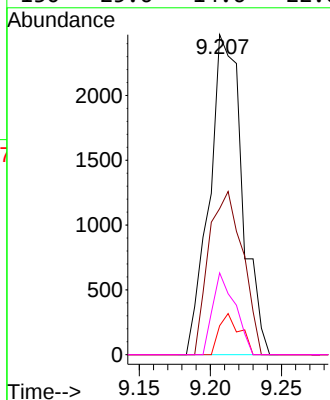
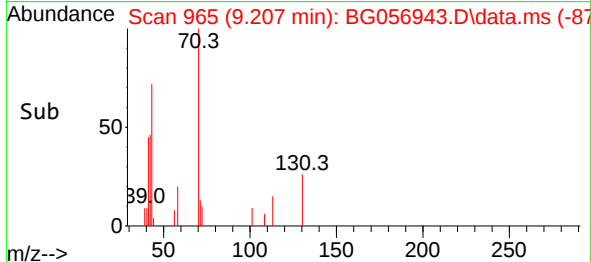
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 70 Resp: 395
Ion Ratio Lower Upper
70 100
42 45.6 43.4 65.0
101 9.1 6.2 9.2
130 25.6 14.6 22.0#

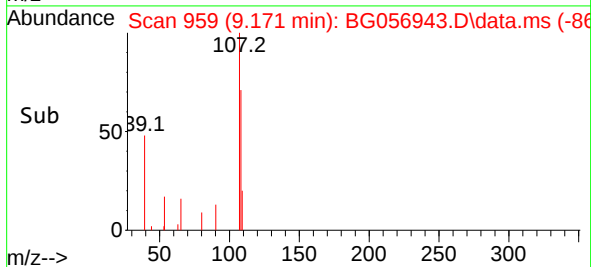
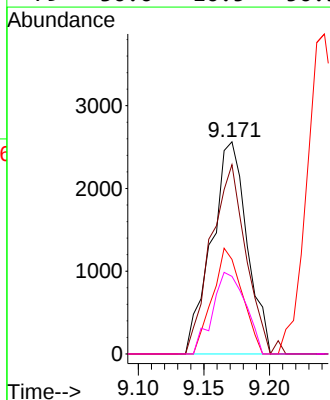
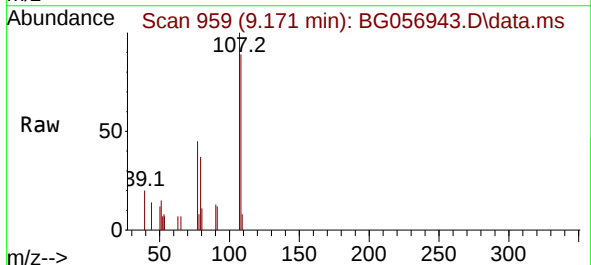
Manual Integrations
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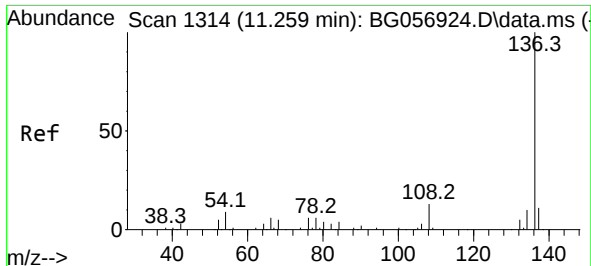
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#20
3+4-Methylphenols
Concen: 3.406 ng
RT: 9.171 min Scan# 959
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

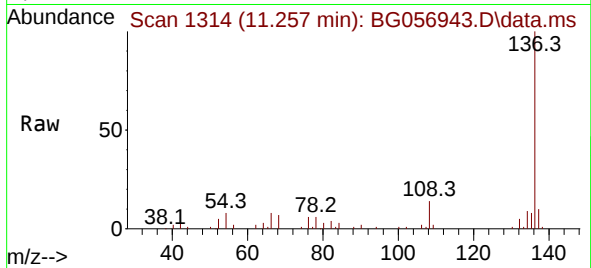
Tgt Ion:107 Resp: 4817
Ion Ratio Lower Upper
107 100
108 89.2 69.9 109.9
77 44.5 22.7 62.7
79 36.6 16.5 56.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.257 min Scan# 1314
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

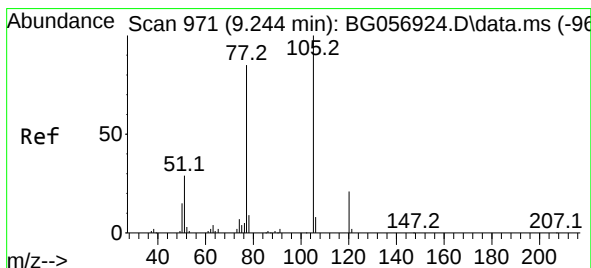
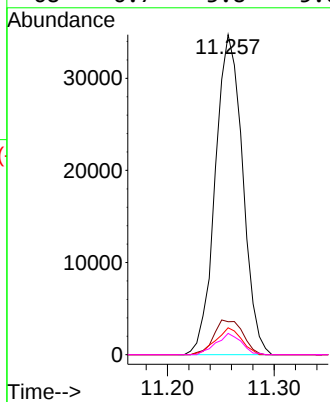
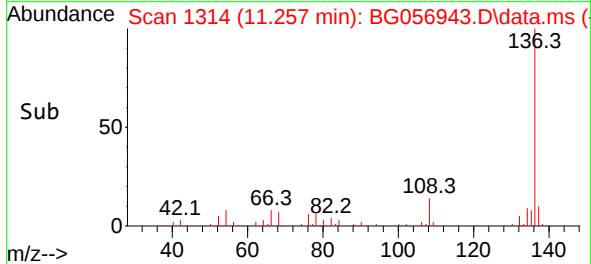
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



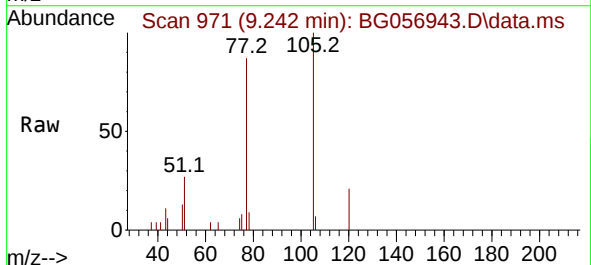
Tgt Ion:136 Resp: 61821
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 8.4 6.9 10.3
68 6.7 3.8 5.6#

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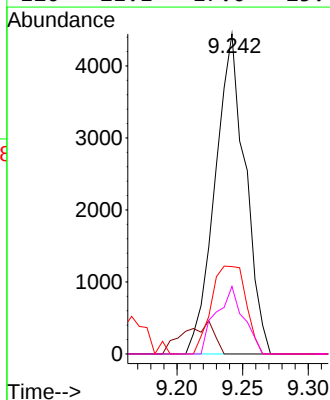
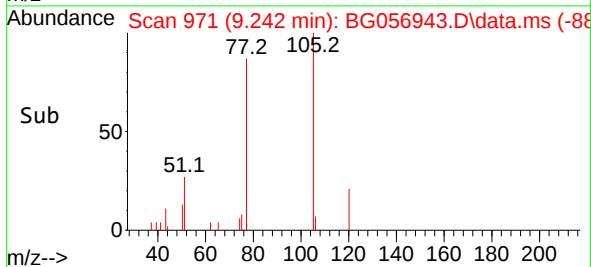
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

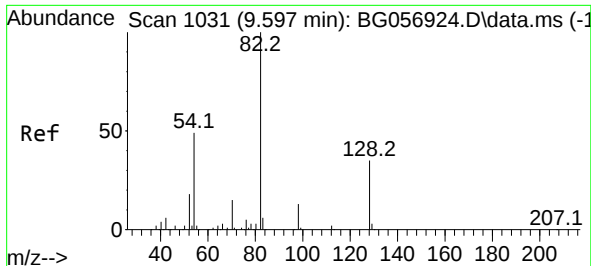


#22
Acetophenone
Concen: 3.861 ng
RT: 9.242 min Scan# 971
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10



Tgt Ion:105 Resp: 7102
Ion Ratio Lower Upper
105 100
71 0.0 0.7 1.1#
51 27.3 23.8 35.8
120 21.1 17.0 25.4





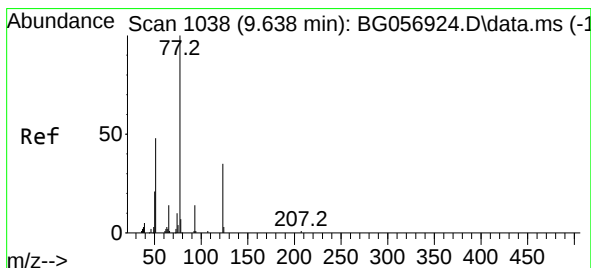
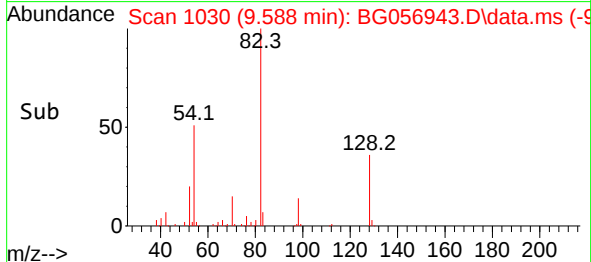
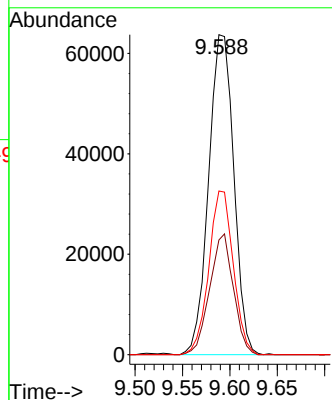
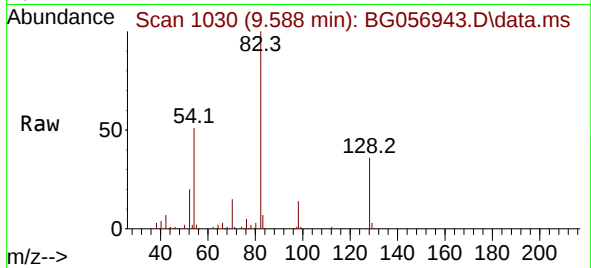
#23
Nitrobenzene-d5
Concen: 77.824 ng
RT: 9.588 min Scan# 1030
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 82 Resp: 117580
Ion Ratio Lower Upper
82 100
128 35.9 27.9 41.9
54 51.1 39.4 59.2

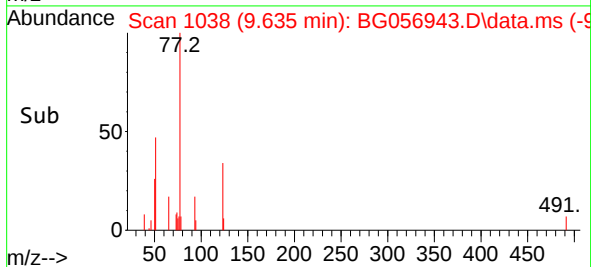
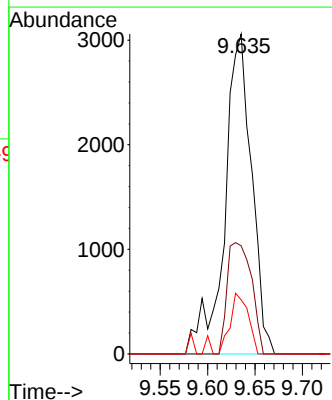
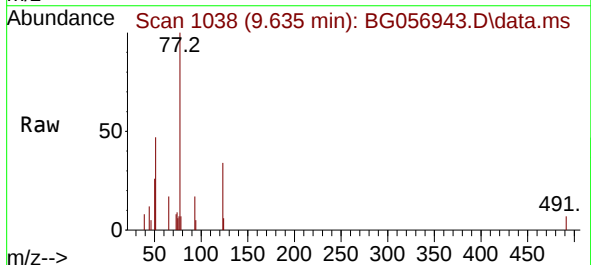
Manual Integrations
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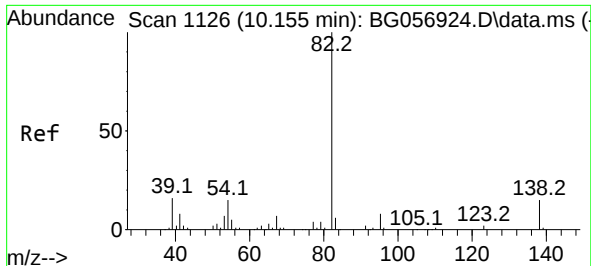
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#24
Nitrobenzene
Concen: 3.905 ng
RT: 9.635 min Scan# 1038
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion: 77 Resp: 6032
Ion Ratio Lower Upper
77 100
123 33.8 27.6 41.4
65 16.9 11.5 17.3





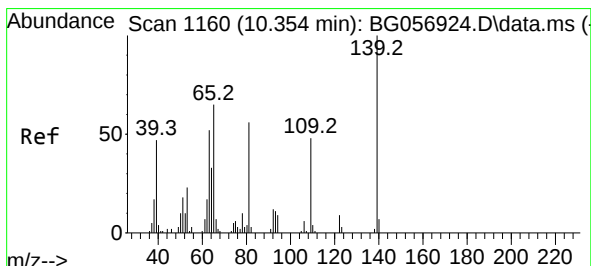
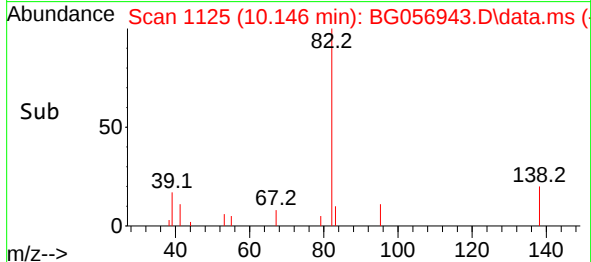
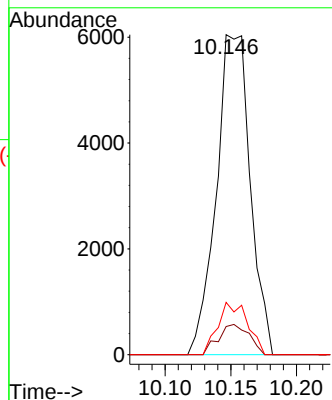
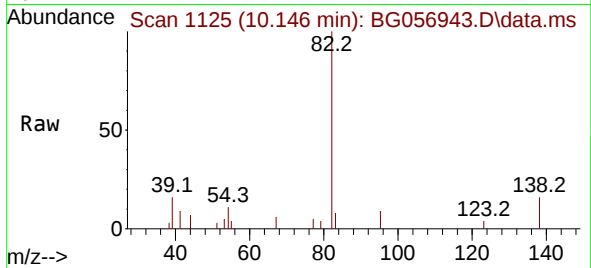
#25
Isophorone
Concen: 3.782 ng
RT: 10.146 min Scan# 1125
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 82 Resp: 1088
Ion Ratio Lower Upper
82 100
95 8.8 6.3 9.5
138 16.4 11.8 17.8

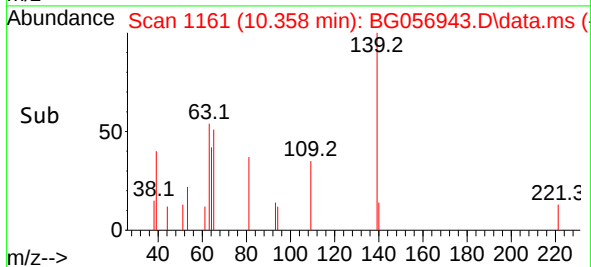
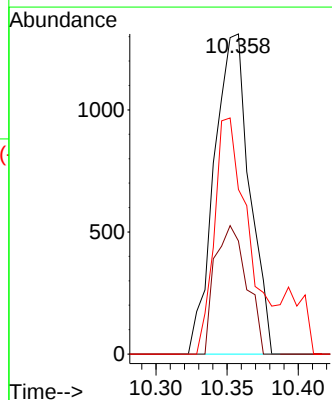
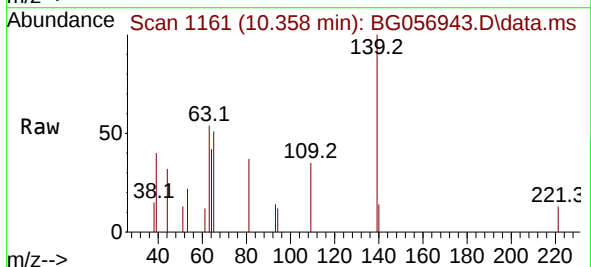
Manual Integrations
APPROVED

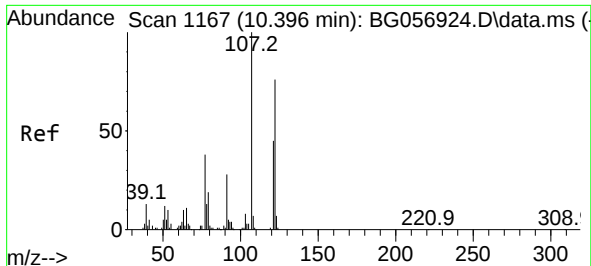
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#26
2-Nitrophenol
Concen: 3.810 ng
RT: 10.358 min Scan# 1161
Delta R.T. 0.003 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:139 Resp: 2272
Ion Ratio Lower Upper
139 100
109 35.3 38.2 57.4#
65 51.4 51.8 77.8#





#27

2,4-Dimethylphenol

Concen: 3.707 ng

RT: 10.393 min Scan# 1167

Delta R.T. -0.002 min

Lab File: BG056943.D

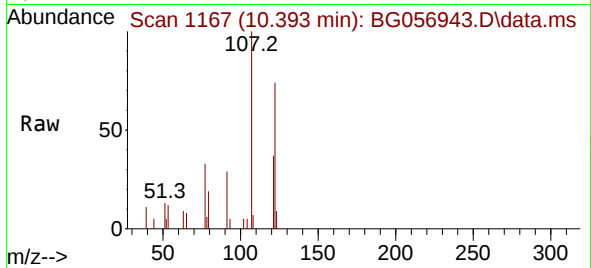
Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



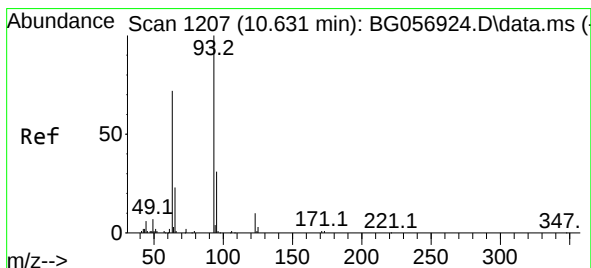
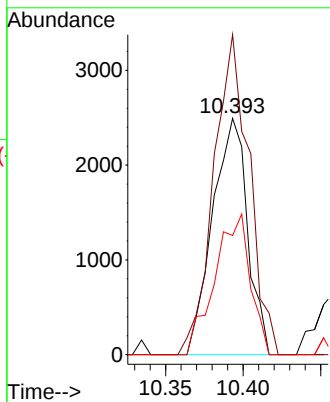
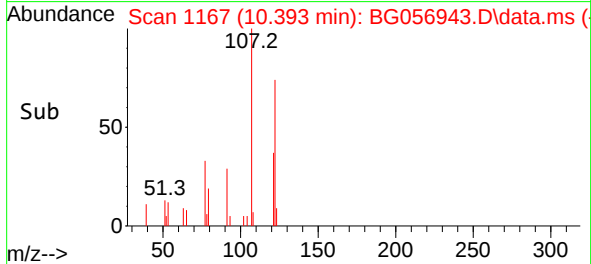
Tgt Ion:	122	Resp:	390
Ion	Ratio	Lower	Upper
122	100		
107	135.4	105.7	158.5
121	50.4	48.0	72.0

Manual Integrations

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Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#28

bis(2-Chloroethoxy)methane

Concen: 3.933 ng

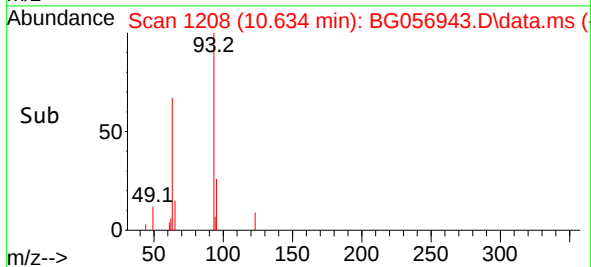
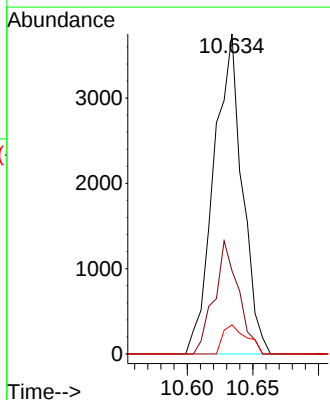
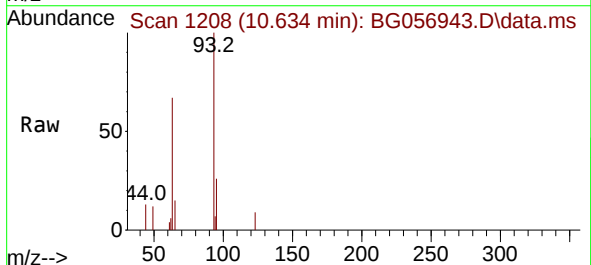
RT: 10.634 min Scan# 1208

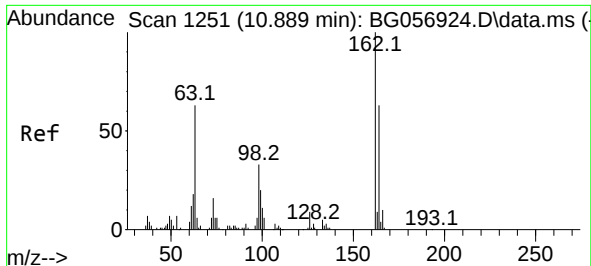
Delta R.T. 0.003 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Tgt Ion:	93	Resp:	5665
Ion	Ratio	Lower	Upper
93	100		
95	26.0	24.6	37.0
123	9.1	7.8	11.6





#29

2,4-Dichlorophenol

Concen: 3.625 ng

RT: 10.887 min Scan# 1251

Delta R.T. -0.002 min

Lab File: BG056943.D

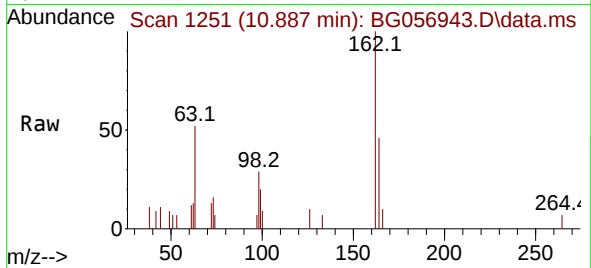
Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



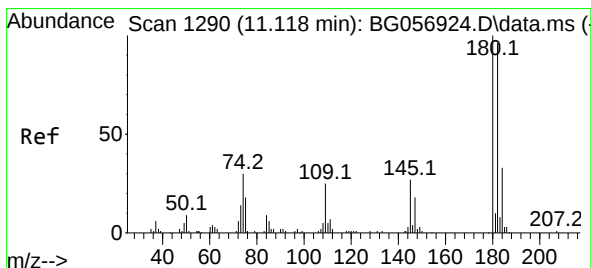
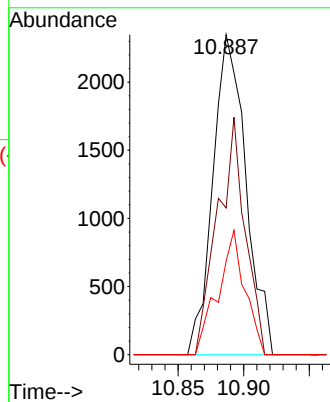
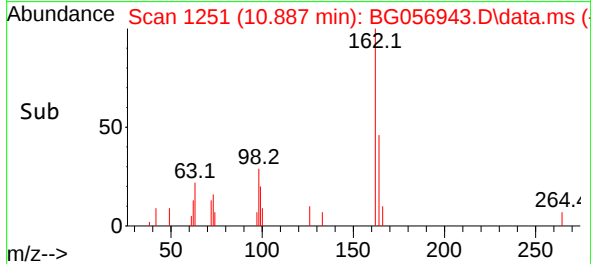
Tgt Ion:	162	Resp:	410
Ion Ratio	Lower	Upper	
162	100		
164	45.9	43.4	83.4
98	29.2	12.5	52.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#30

1,2,4-Trichlorobenzene

Concen: 4.255 ng

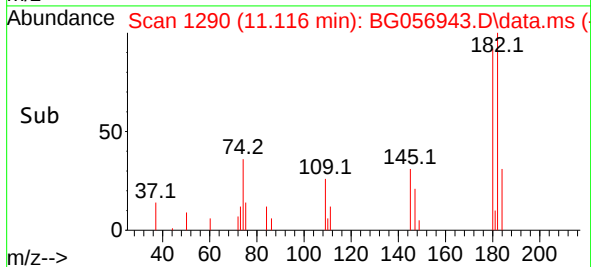
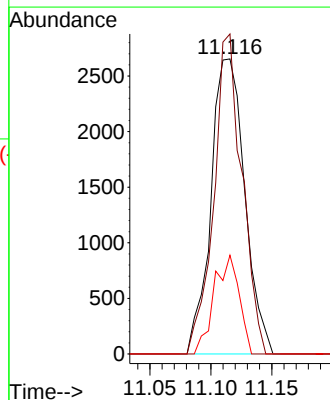
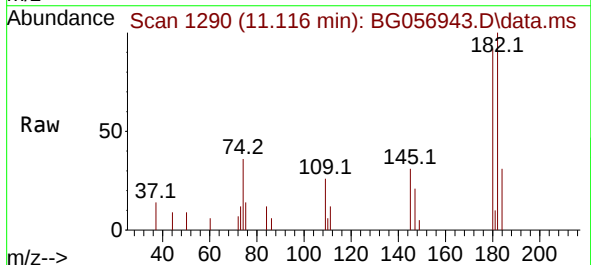
RT: 11.116 min Scan# 1290

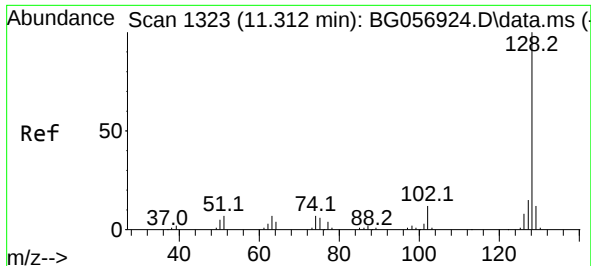
Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

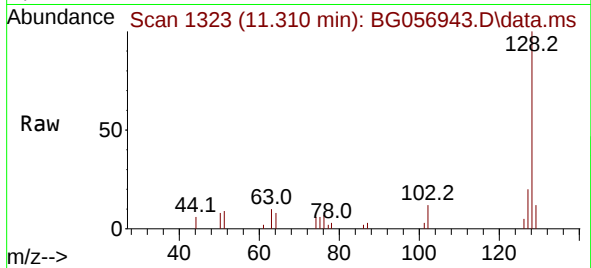
Tgt Ion:	180	Resp:	5119
Ion Ratio	Lower	Upper	
180	100		
182	108.4	77.1	115.7
145	33.5	21.3	31.9





#31
Naphthalene
Concen: 3.757 ng
RT: 11.310 min Scan# 1130
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

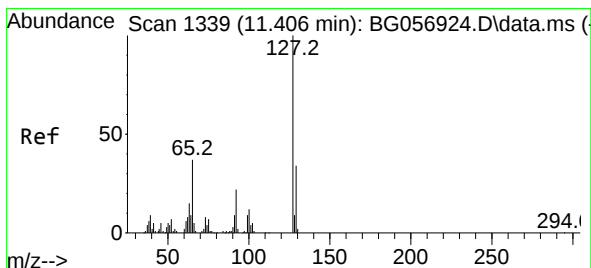
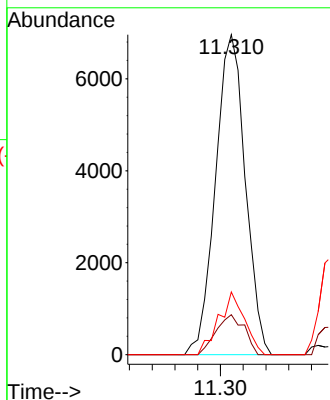
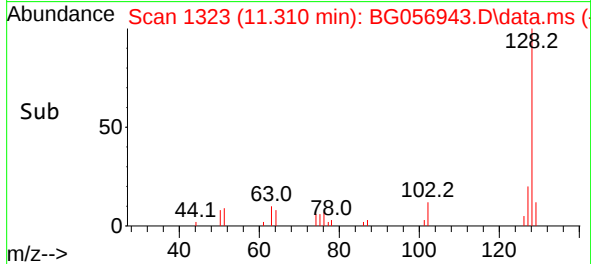
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



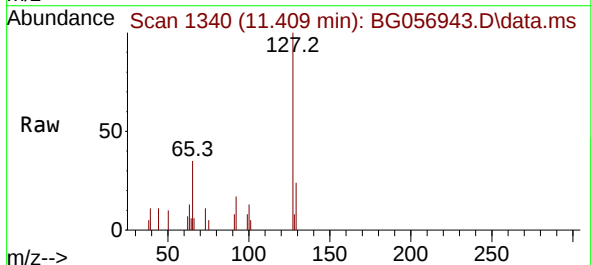
Tgt Ion:128 Resp: 12659
Ion Ratio Lower Upper
128 100
129 12.5 9.4 14.2
127 19.6 12.2 18.4

Manual Integrations
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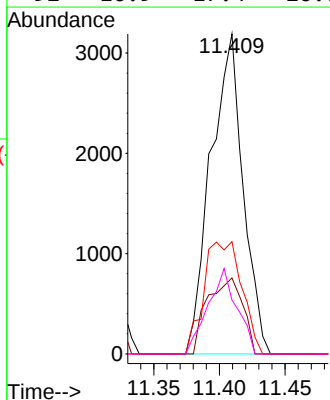
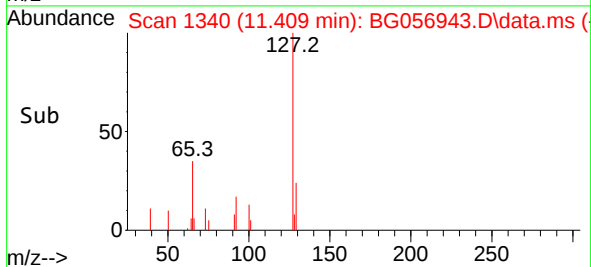
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

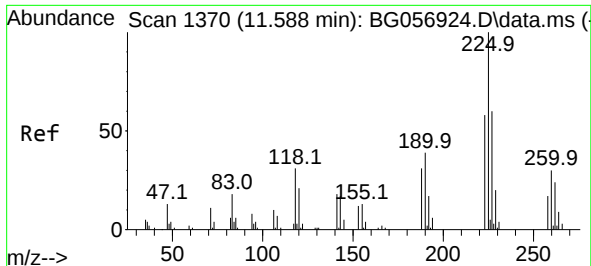


#33
4-Chloroaniline
Concen: 3.585 ng
RT: 11.409 min Scan# 1340
Delta R.T. 0.003 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10



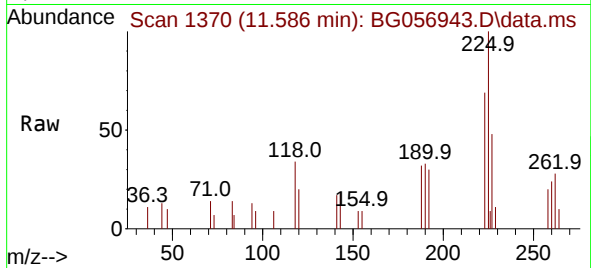
Tgt Ion:127 Resp: 5456
Ion Ratio Lower Upper
127 100
129 23.7 27.6 41.4#
65 35.1 29.8 44.8
92 16.9 17.4 26.0#





#34
Hexachlorobutadiene
Concen: 3.978 ng
RT: 11.586 min Scan# 1158
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

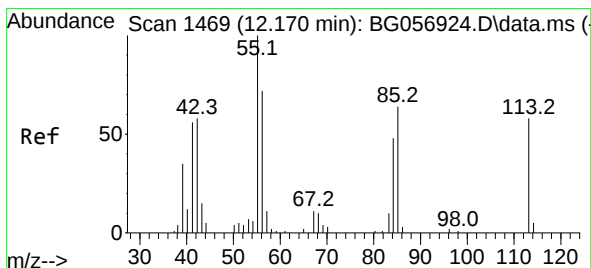
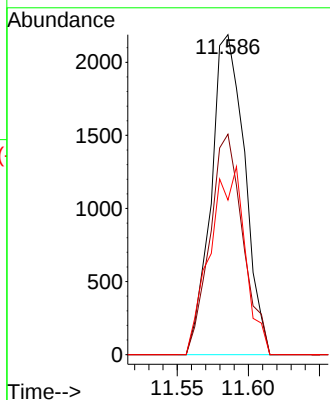
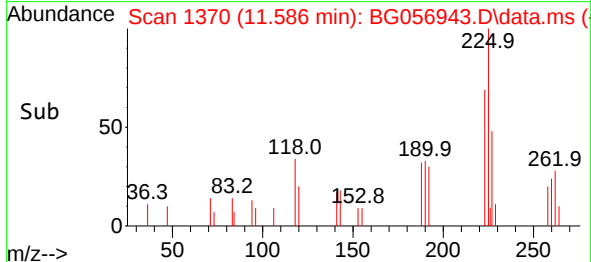
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:225 Resp: 3598
Ion Ratio Lower Upper
225 100
223 68.9 46.4 69.6
227 48.3 48.0 72.0

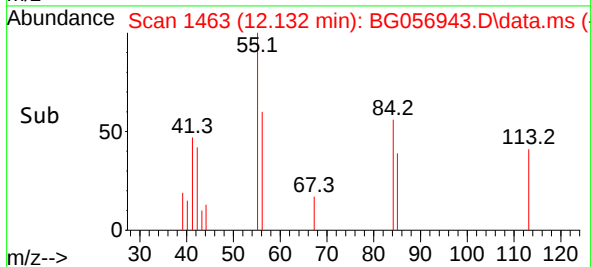
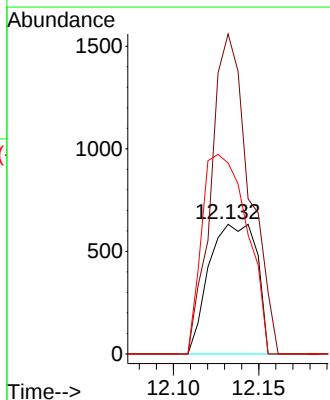
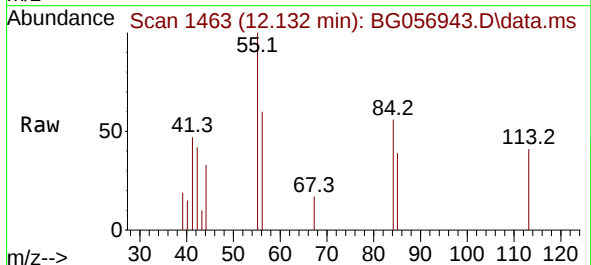
Manual Integrations
APPROVED

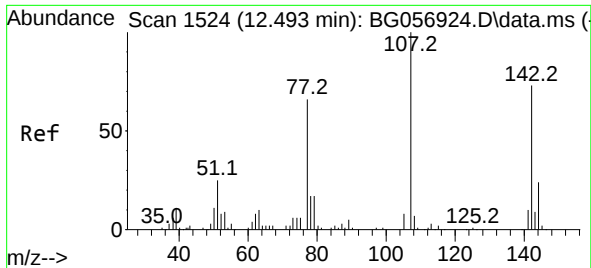
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#35
Caprolactam
Concen: 3.145 ng
RT: 12.132 min Scan# 1463
Delta R.T. -0.038 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

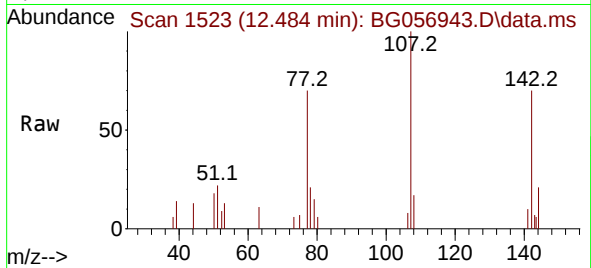
Tgt Ion:113 Resp: 1228
Ion Ratio Lower Upper
113 100
55 246.8 151.6 191.6#
56 147.3 103.7 143.7#





#36
4-Chloro-3-methylphenol
Concen: 3.670 ng
RT: 12.484 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

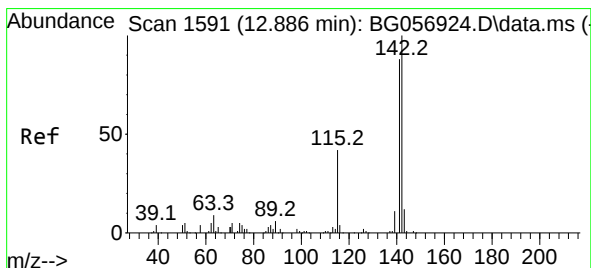
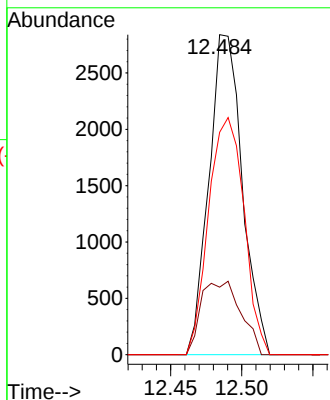
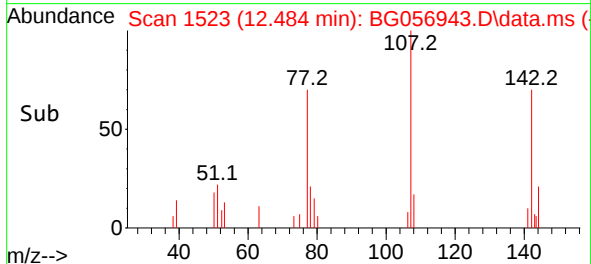
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:107 Resp: 464
Ion Ratio Lower Upper
107 100
144 21.1 19.0 28.4
142 69.5 58.6 88.0

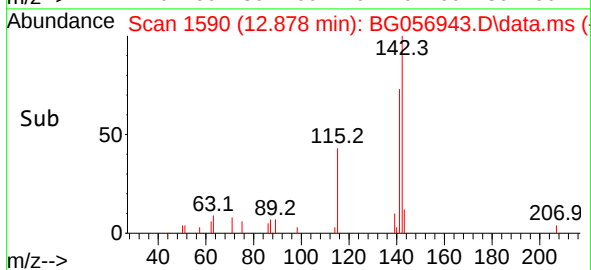
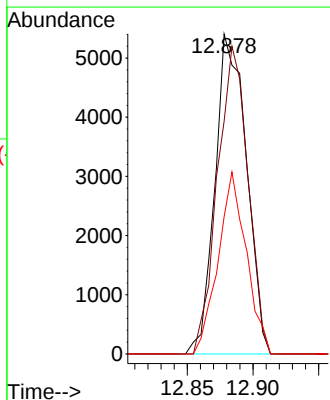
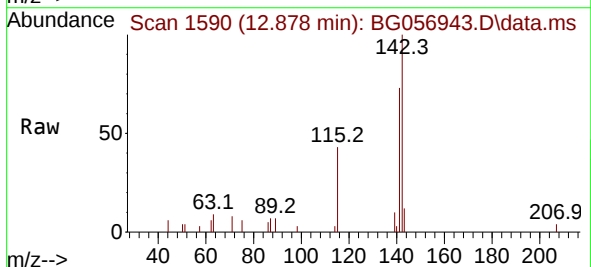
Manual Integrations
APPROVED

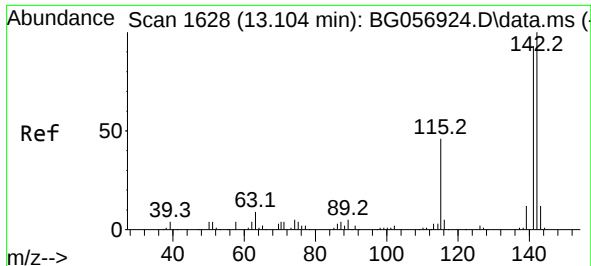
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#37
2-Methylnaphthalene
Concen: 3.356 ng
RT: 12.878 min Scan# 1590
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:142 Resp: 8976
Ion Ratio Lower Upper
142 100
141 72.7 70.3 105.5
115 42.9 33.5 50.3





#38

1-Methylnaphthalene

Concen: 3.614 ng

RT: 13.101 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

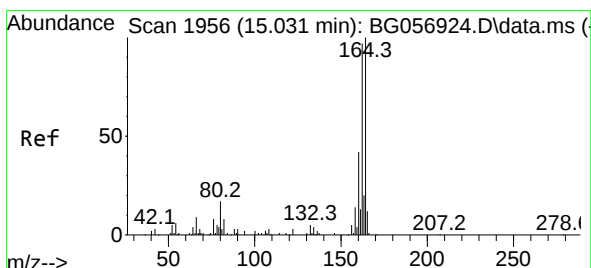
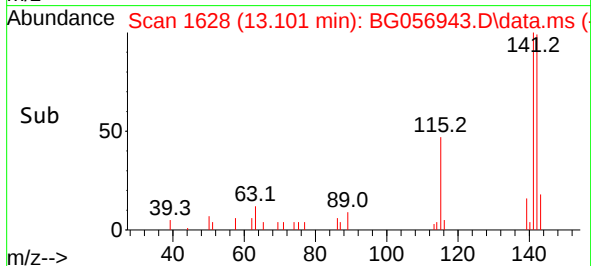
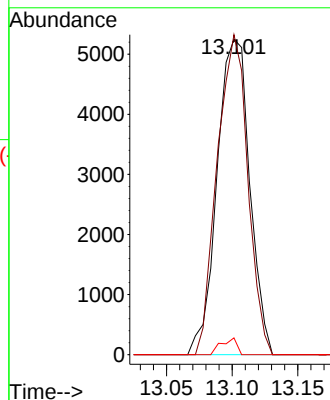
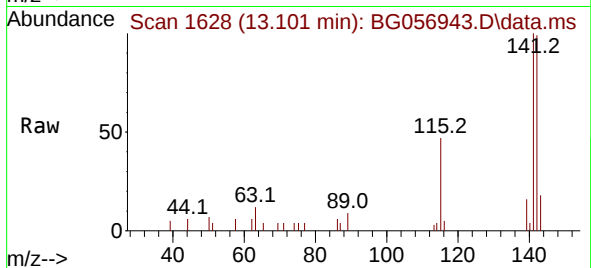
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:	142	Resp:	907
Ion Ratio	Lower	Upper	
142	100		
141	101.4	74.0	111.0
116	5.3	3.7	5.5

Manual Integrations

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Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

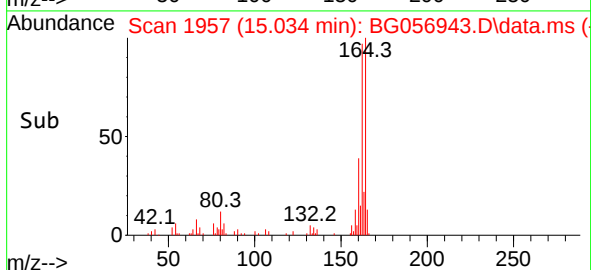
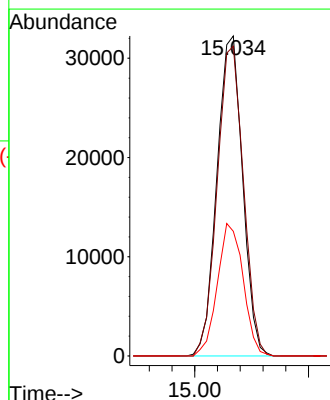
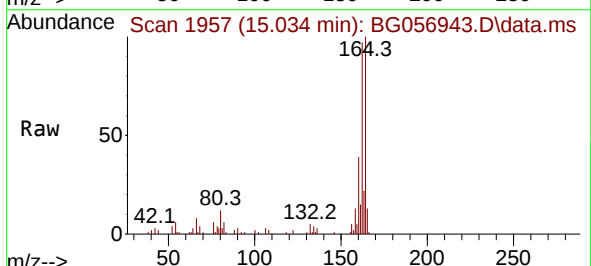
RT: 15.034 min Scan# 1957

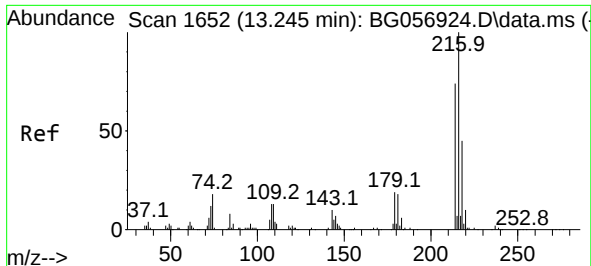
Delta R.T. 0.003 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

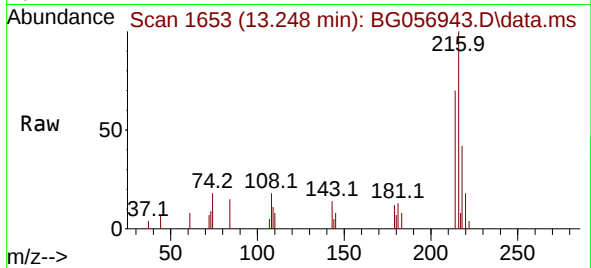
Tgt Ion:	164	Resp:	50520
Ion Ratio	Lower	Upper	
164	100		
162	96.8	77.8	116.8
160	38.9	33.5	50.3





#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.762 ng
RT: 13.248 min Scan# 1653
Delta R.T. 0.003 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

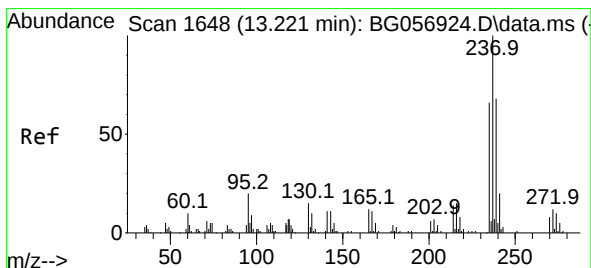
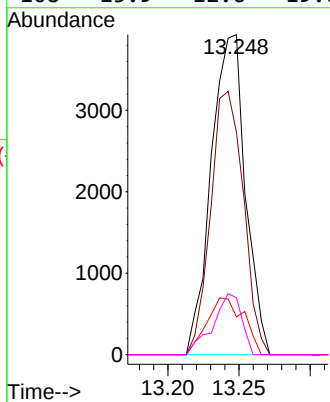
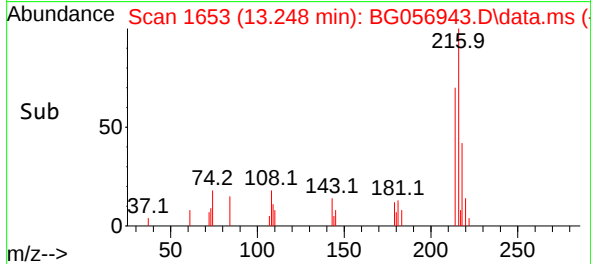
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



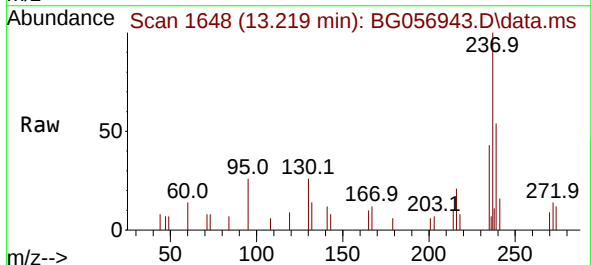
Tgt Ion:216 Resp: 6590
Ion Ratio Lower Upper
216 100
214 78.5 63.3 94.9
179 19.0 15.0 22.6
108 15.9 12.6 19.0

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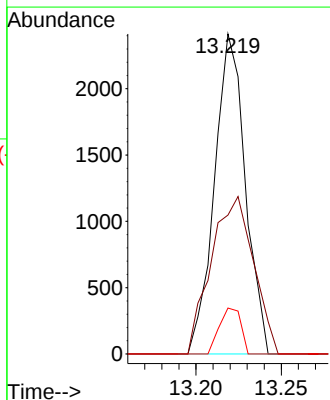
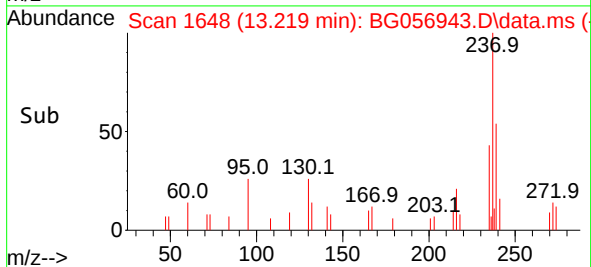
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

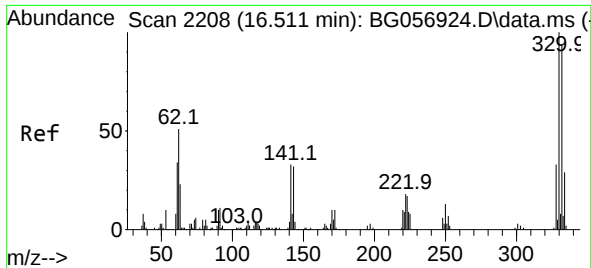


#41
Hexachlorocyclopentadiene
Concen: 3.140 ng
RT: 13.219 min Scan# 1648
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10



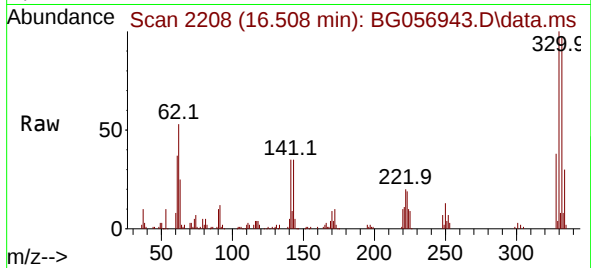
Tgt Ion:237 Resp: 3031
Ion Ratio Lower Upper
237 100
235 43.4 45.9 85.9#
272 14.4 0.0 32.3





#42
2,4,6-Tribromophenol
Concen: 105.616 ng
RT: 16.508 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

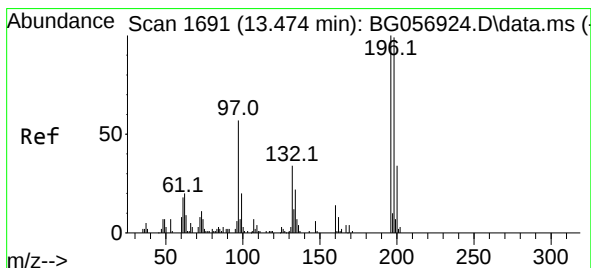
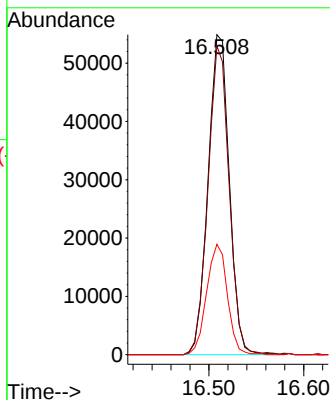
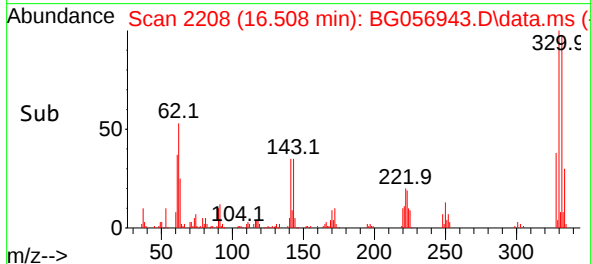
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



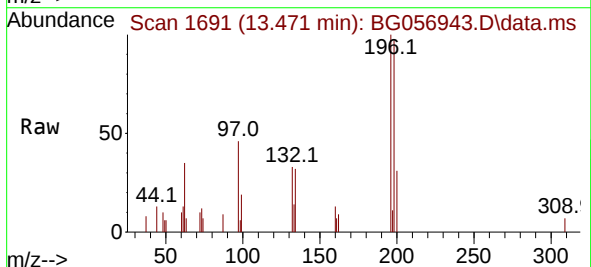
Tgt Ion:330 Resp: 85240
Ion Ratio Lower Upper
330 100
332 96.2 76.1 114.1
141 33.7 25.8 38.6

Manual Integrations
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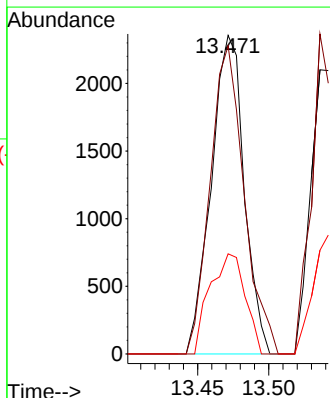
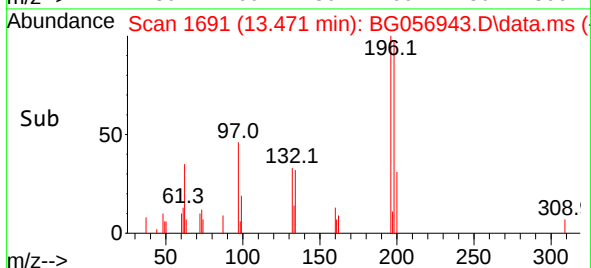
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

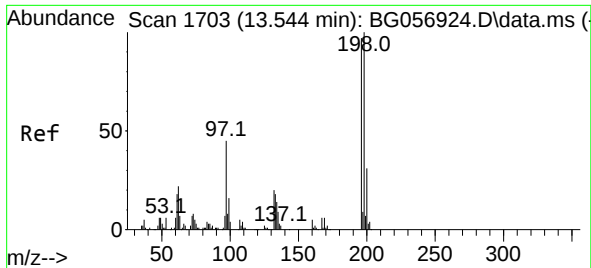


#43
2,4,6-Trichlorophenol
Concen: 3.388 ng
RT: 13.471 min Scan# 1691
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10



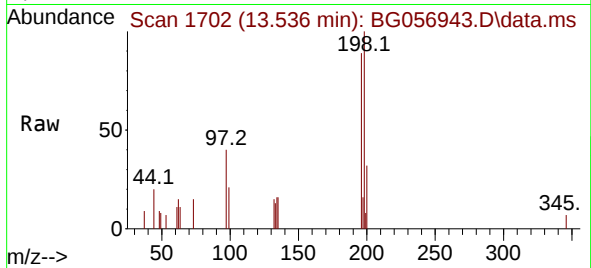
Tgt Ion:196 Resp: 3788
Ion Ratio Lower Upper
196 100
198 96.7 79.1 118.7
200 31.4 27.2 40.8





#44
2,4,5-Trichlorophenol
Concen: 2.990 ng
RT: 13.536 min Scan# 1702
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

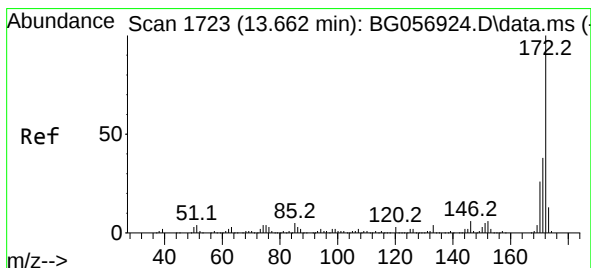
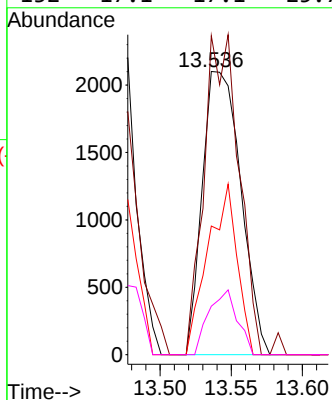
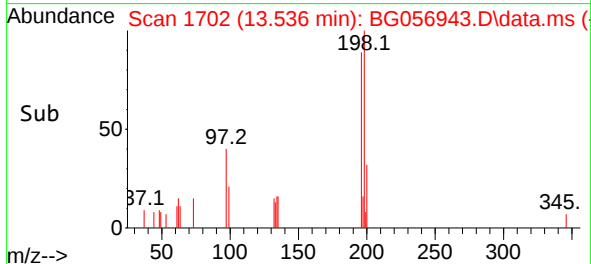
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:196 Resp: 3960
Ion Ratio Lower Upper
196 100
198 112.6 82.5 123.7
97 45.5 37.0 55.6
132 17.1 17.1 25.7

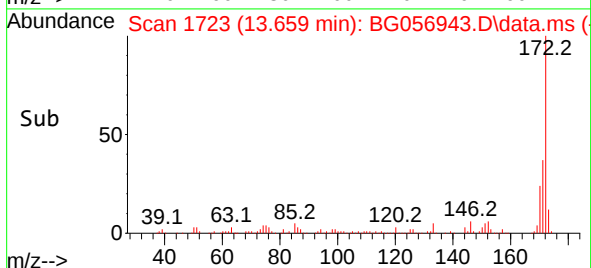
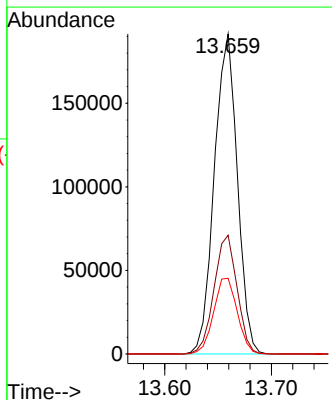
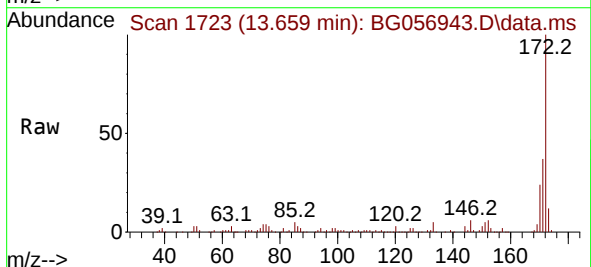
Manual Integrations
APPROVED

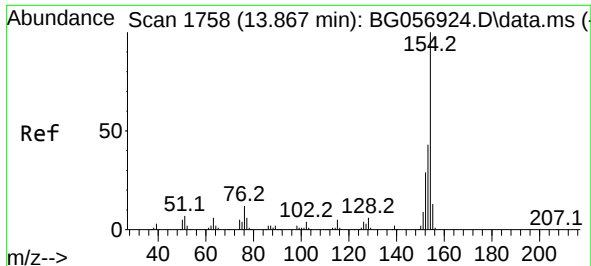
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#45
2-Fluorobiphenyl
Concen: 76.807 ng
RT: 13.659 min Scan# 1723
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

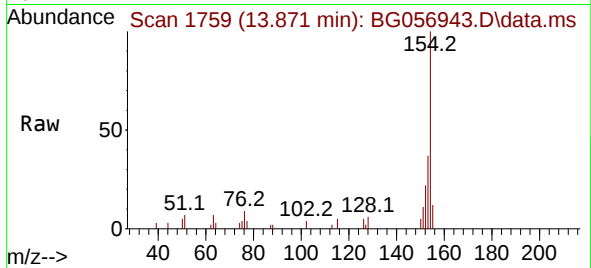
Tgt Ion:172 Resp: 286155
Ion Ratio Lower Upper
172 100
171 37.1 30.6 46.0
170 23.6 20.6 30.8





#46
1,1'-Biphenyl
Concen: 3.904 ng
RT: 13.871 min Scan# 1758
Delta R.T. 0.003 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

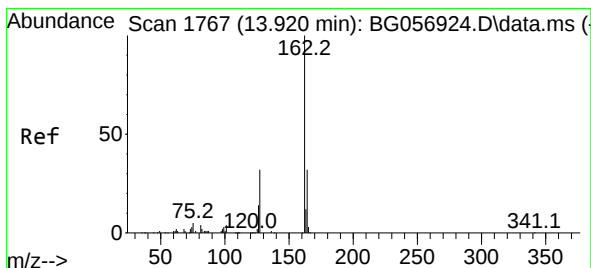
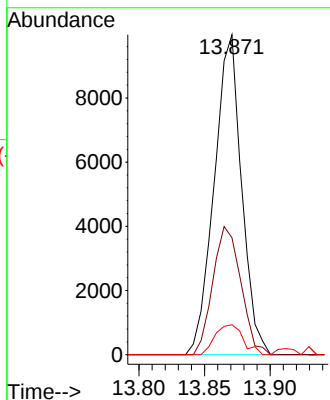
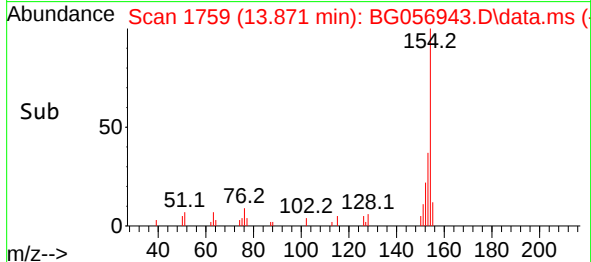
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:154 Resp: 1443
Ion Ratio Lower Upper
154 100
153 36.6 23.4 63.4
76 9.4 0.0 31.6

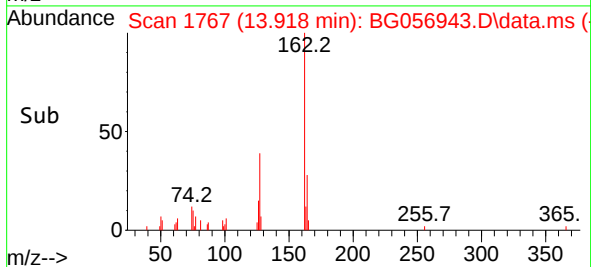
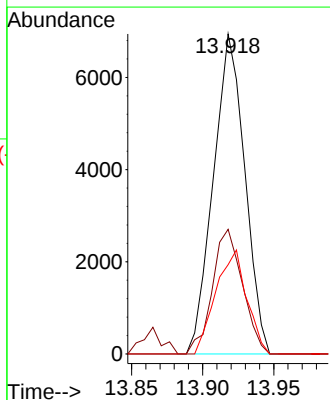
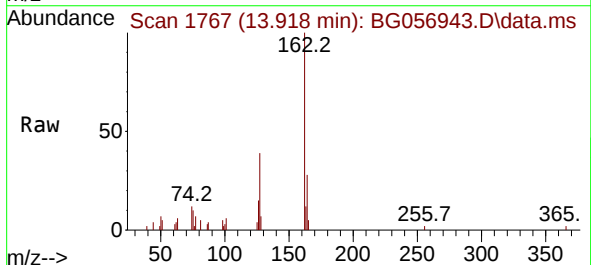
Manual Integrations
APPROVED

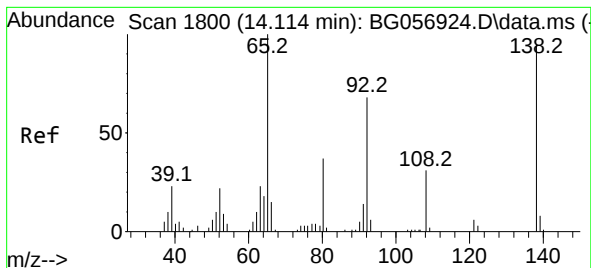
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#47
2-Chloronaphthalene
Concen: 3.907 ng
RT: 13.918 min Scan# 1767
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

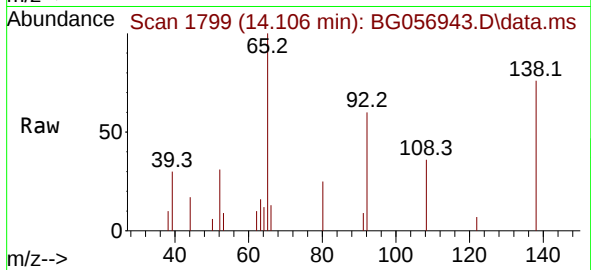
Tgt Ion:162 Resp: 10686
Ion Ratio Lower Upper
162 100
127 38.9 29.5 44.3
164 27.9 25.5 38.3





#48
2-Nitroaniline
Concen: 3.393 ng
RT: 14.106 min Scan# 1799
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

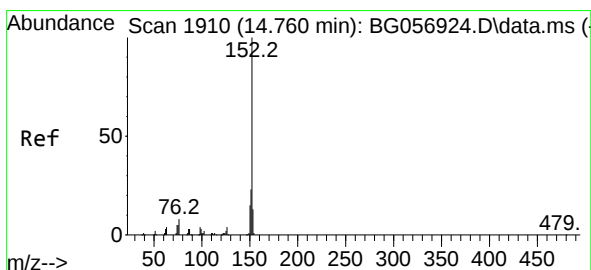
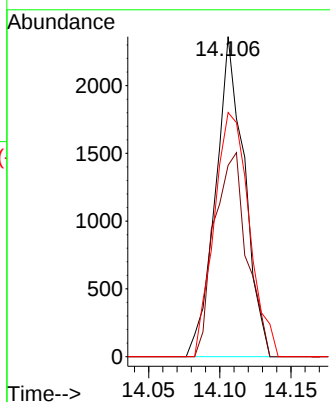
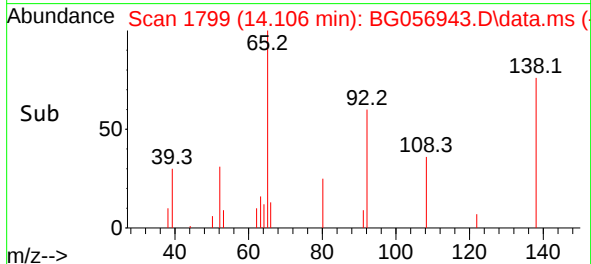
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



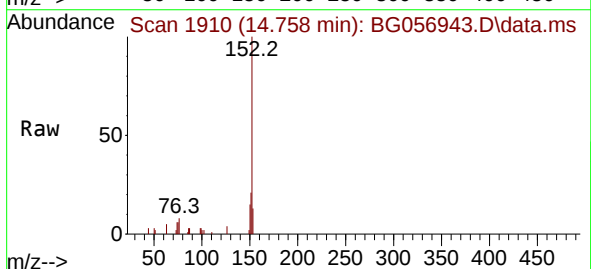
Tgt Ion: 65 Resp: 3318
Ion Ratio Lower Upper
65 100
92 59.8 54.3 81.5
138 76.3 76.0 114.0

Manual Integrations
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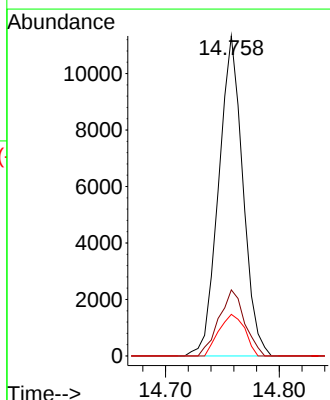
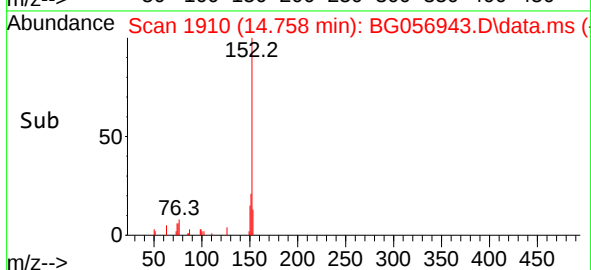
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

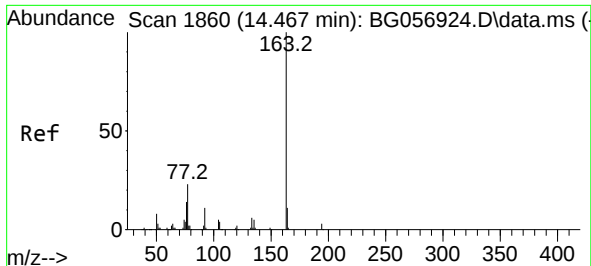


#49
Acenaphthylene
Concen: 3.729 ng
RT: 14.758 min Scan# 1910
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10



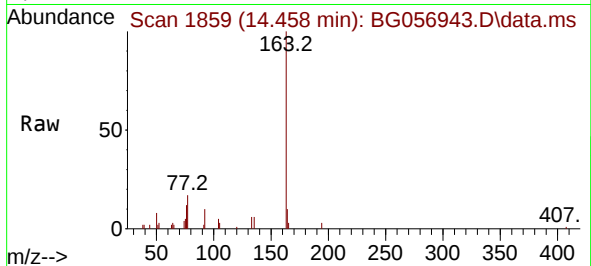
Tgt Ion:152 Resp: 16756
Ion Ratio Lower Upper
152 100
151 20.7 18.2 27.2
153 13.0 10.5 15.7





#50
Dimethylphthalate
Concen: 3.903 ng
RT: 14.458 min Scan# 1859
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

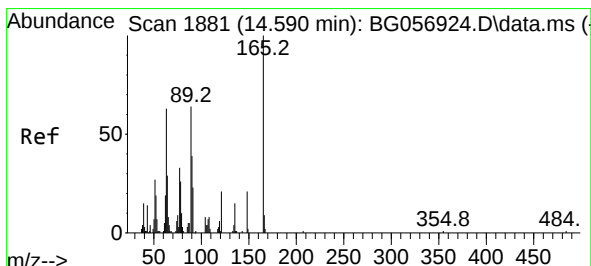
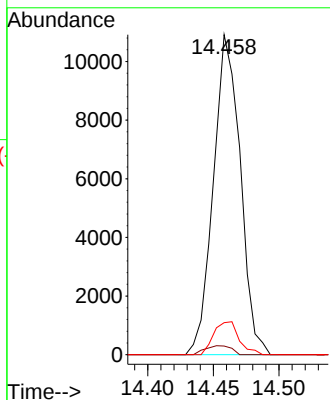
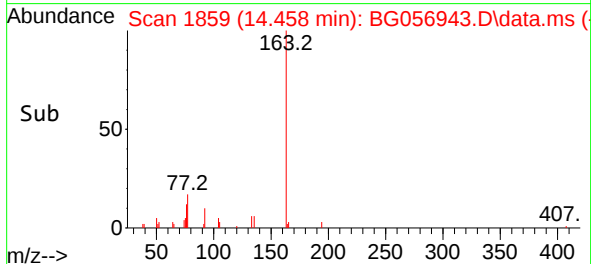
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



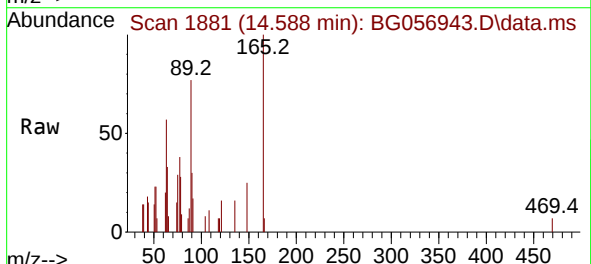
Tgt Ion:163 Resp: 1553
Ion Ratio Lower Upper
163 100
194 2.7 2.8 4.2
164 10.0 8.8 13.2

Manual Integrations
APPROVED

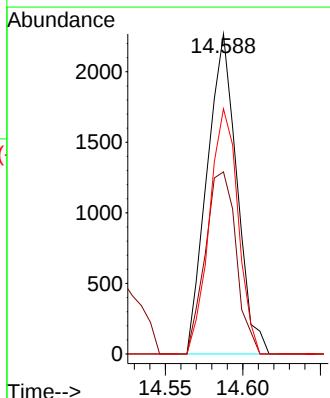
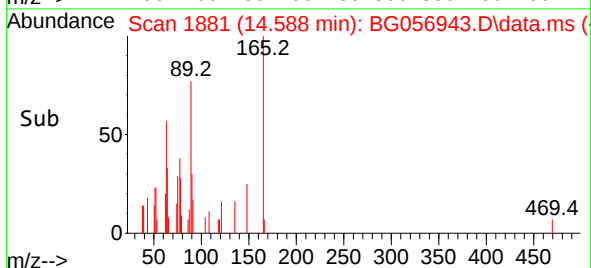
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

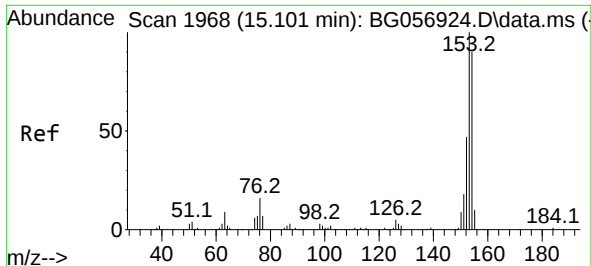


#51
2,6-Dinitrotoluene
Concen: 3.516 ng
RT: 14.588 min Scan# 1881
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10



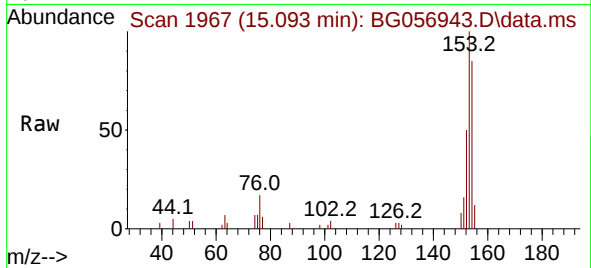
Tgt Ion:165 Resp: 3024
Ion Ratio Lower Upper
165 100
63 56.9 53.0 79.6
89 76.6 51.0 76.4#





#52
Acenaphthene
Concen: 3.394 ng
RT: 15.093 min Scan# 1967
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

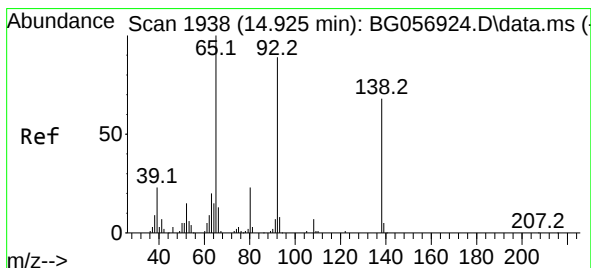
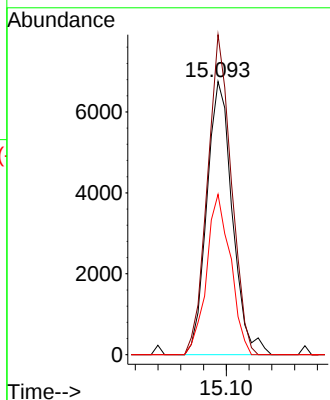
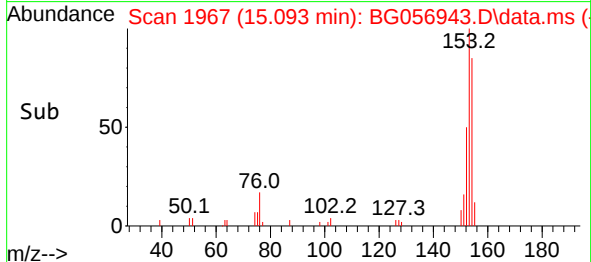
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:154 Resp: 10518
Ion Ratio Lower Upper
154 100
153 117.2 88.9 133.3
152 58.7 41.8 62.8

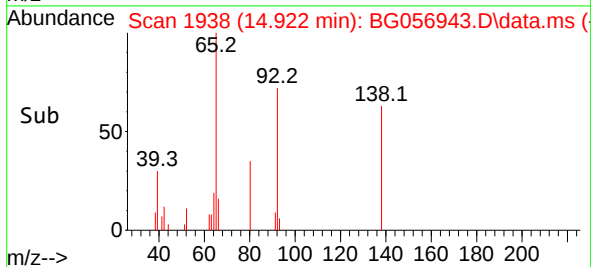
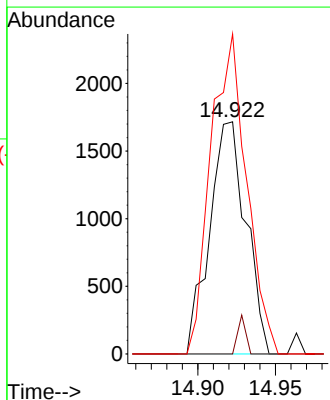
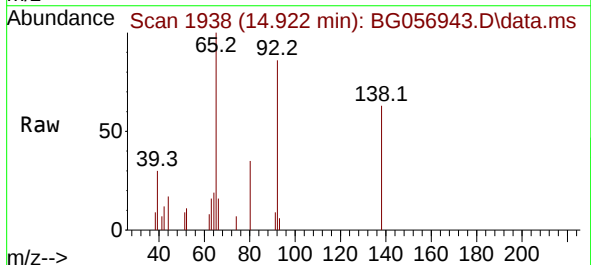
Manual Integrations
APPROVED

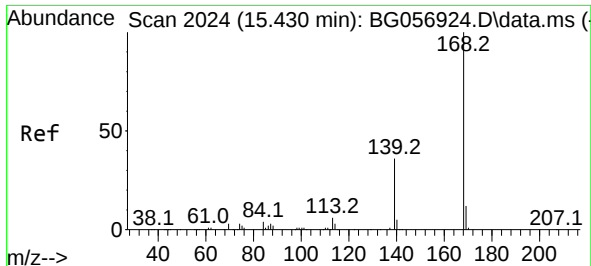
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#53
3-Nitroaniline
Concen: 3.290 ng
RT: 14.922 min Scan# 1938
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:138 Resp: 2801
Ion Ratio Lower Upper
138 100
108 0.0 8.2 12.2#
92 137.8 105.2 157.8





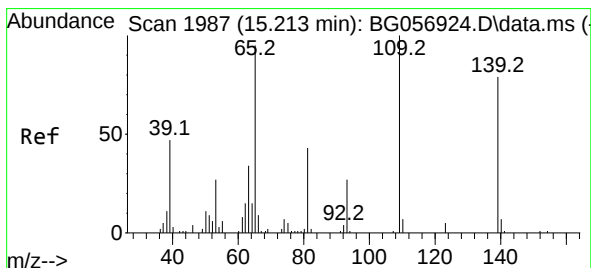
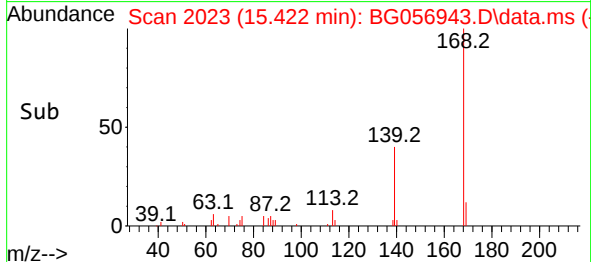
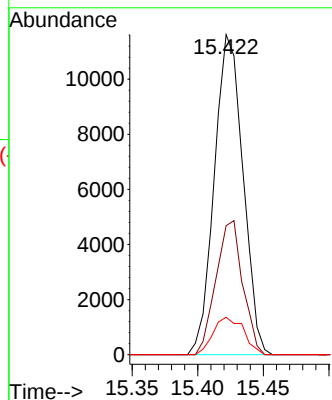
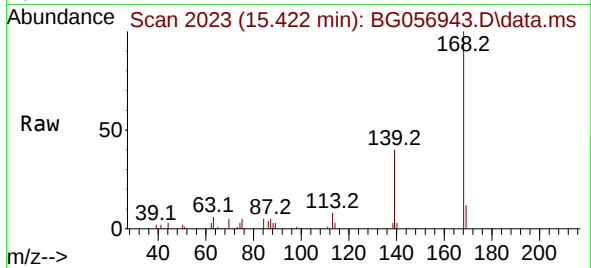
#55
Dibenzenofuran
Concen: 3.791 ng
RT: 15.422 min Scan# 2024
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:168 Resp: 1763
Ion Ratio Lower Upper
168 100
139 40.3 28.9 43.3
169 11.7 9.8 14.6

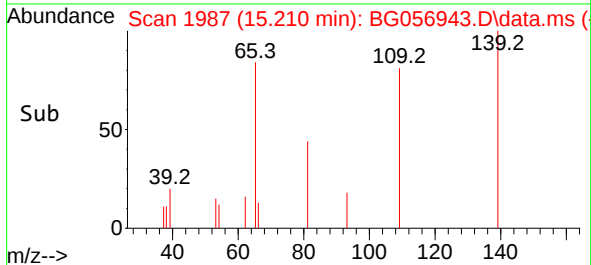
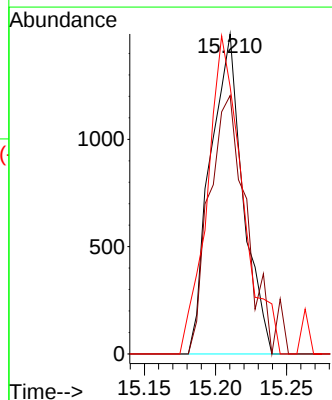
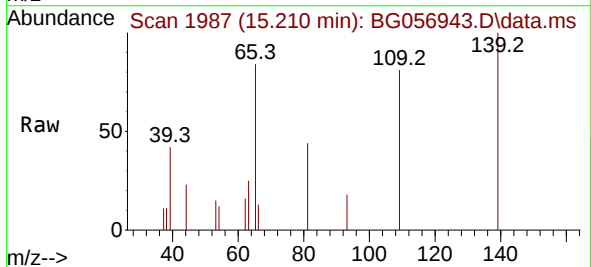
Manual Integrations
APPROVED

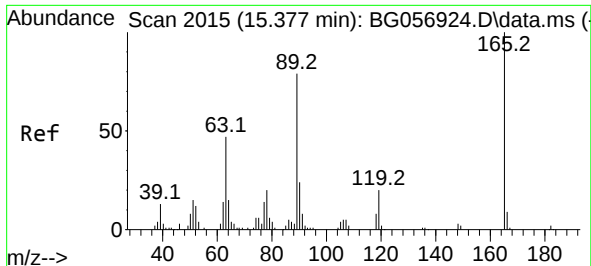
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#56
4-Nitrophenol
Concen: 3.786 ng
RT: 15.210 min Scan# 1987
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

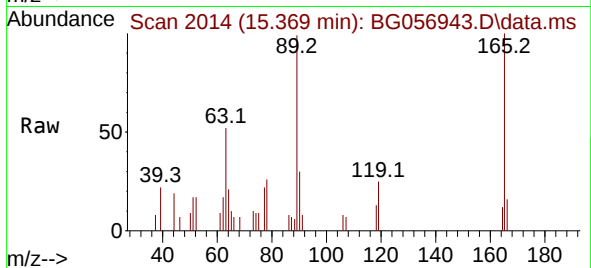
Tgt Ion:139 Resp: 2383
Ion Ratio Lower Upper
139 100
109 80.8 106.7 146.7#
65 83.6 100.5 140.5#





#57
2,4-Dinitrotoluene
Concen: 3.173 ng
RT: 15.369 min Scan# 2015
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

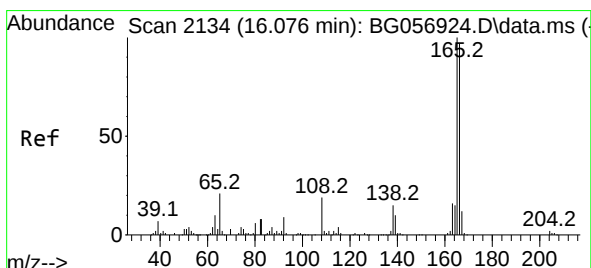
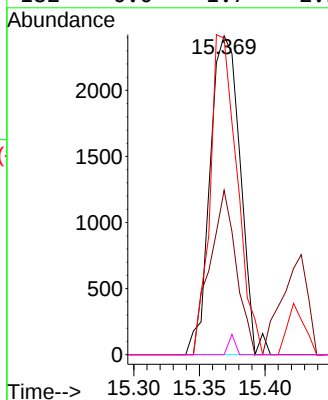
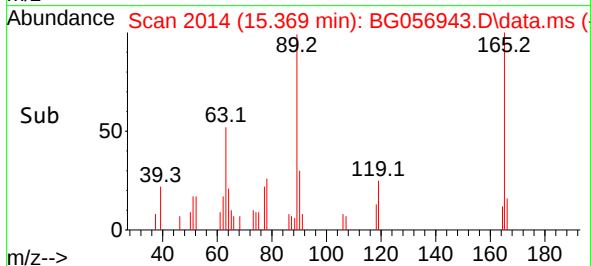
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:165 Resp: 3849
Ion Ratio Lower Upper
165 100
63 51.5 37.7 56.5
89 99.2 63.2 94.8
182 0.0 1.7 2.5#

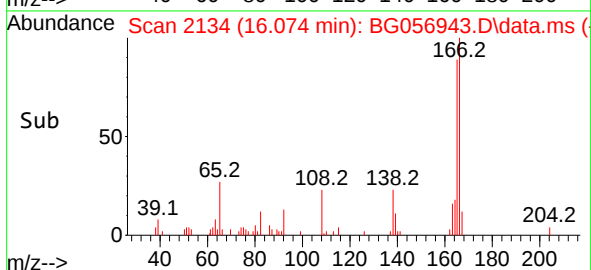
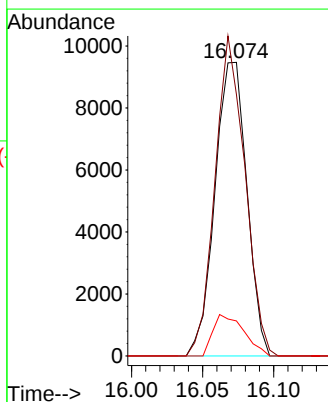
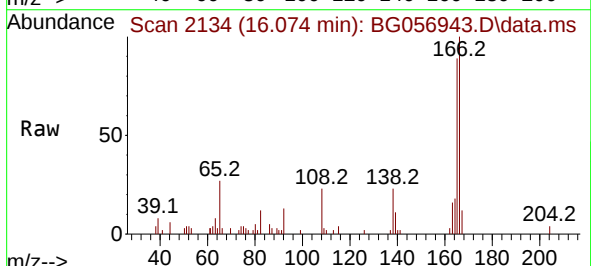
Manual Integrations
APPROVED

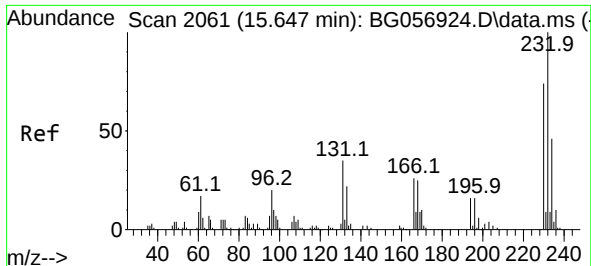
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#58
Fluorene
Concen: 3.847 ng
RT: 16.074 min Scan# 2134
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

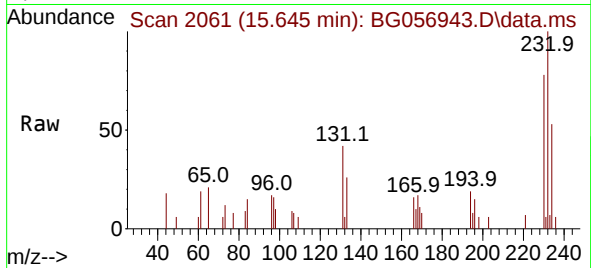
Tgt Ion:166 Resp: 14807
Ion Ratio Lower Upper
166 100
165 89.1 82.6 123.8
167 11.9 10.2 15.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.267 ng
RT: 15.645 min Scan# 2061
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

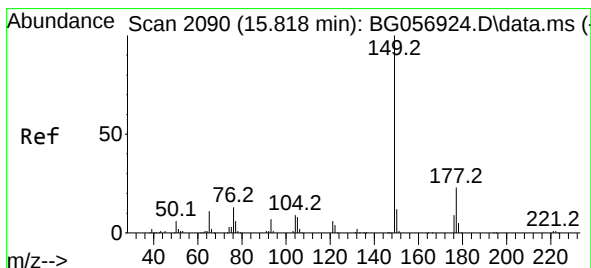
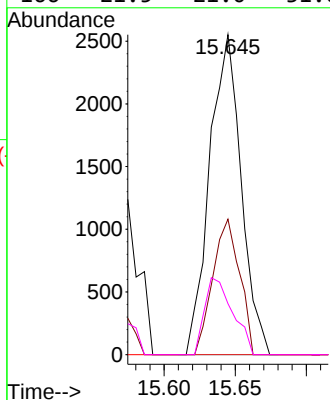
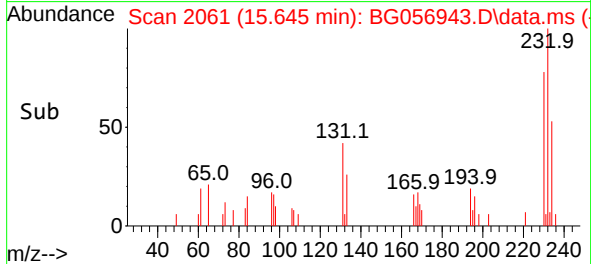
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:232 Resp: 3939
Ion Ratio Lower Upper
232 100
131 36.0 29.3 43.9
130 0.0 1.7 2.5
166 21.5 21.0 31.6

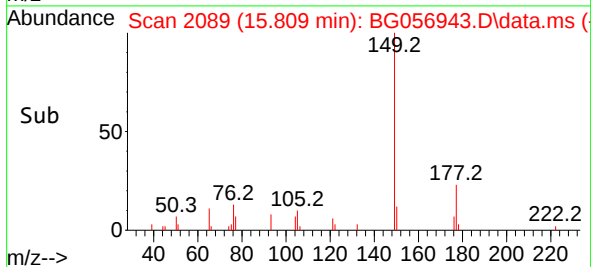
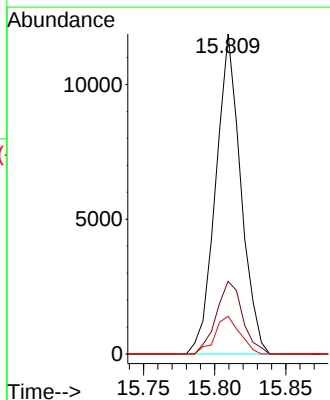
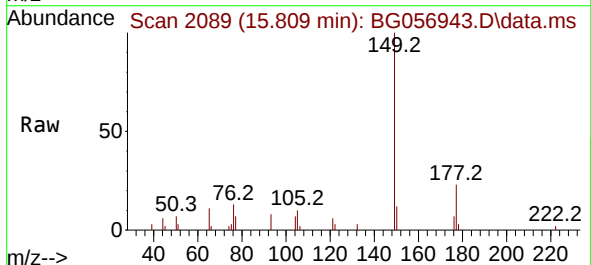
Manual Integrations
APPROVED

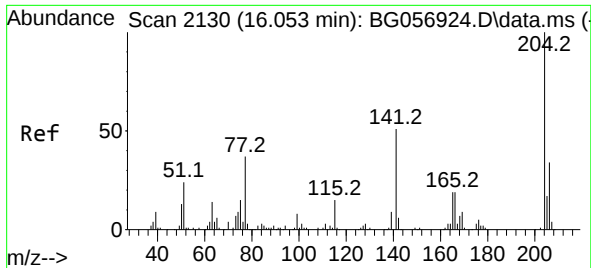
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#60
Diethylphthalate
Concen: 3.642 ng
RT: 15.809 min Scan# 2089
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:149 Resp: 14534
Ion Ratio Lower Upper
149 100
177 22.7 18.8 28.2
150 11.7 9.4 14.2





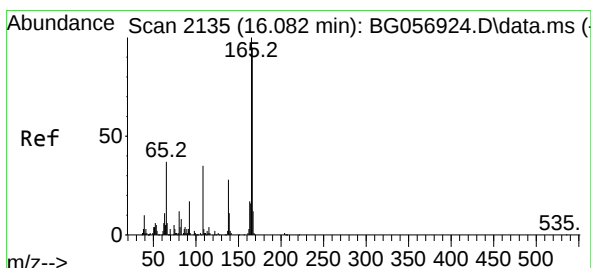
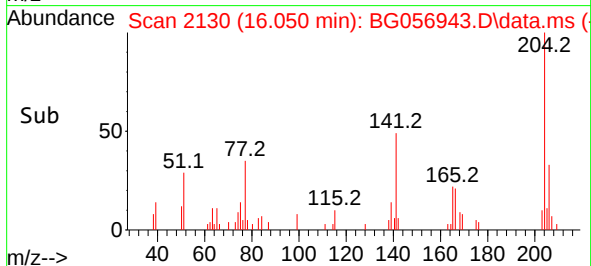
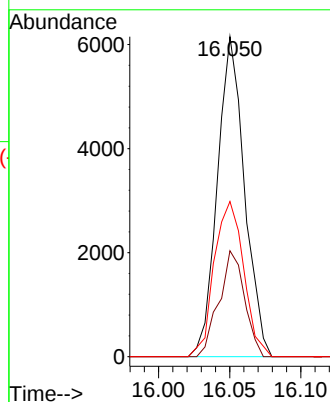
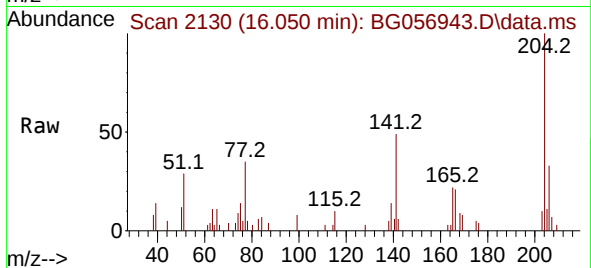
#61
4-Chlorophenyl-phenylether
Concen: 3.614 ng
RT: 16.050 min Scan# 2130
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:204 Resp: 816
Ion Ratio Lower Upper
204 100
206 33.1 27.2 40.8
141 48.5 40.7 61.1

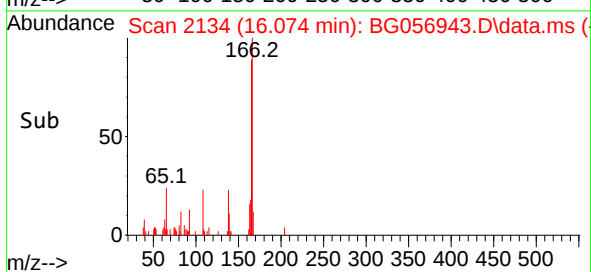
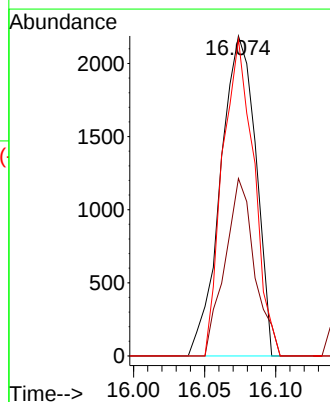
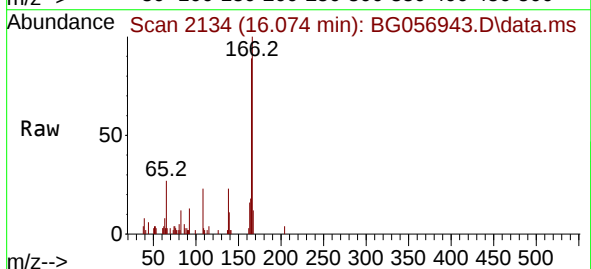
Manual Integrations
APPROVED

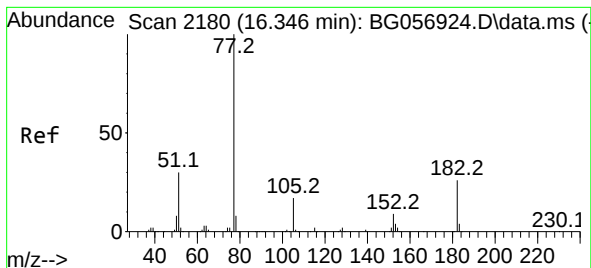
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#62
4-Nitroaniline
Concen: 4.272 ng
RT: 16.074 min Scan# 2134
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:138 Resp: 3768
Ion Ratio Lower Upper
138 100
92 55.4 40.9 80.9
108 99.0 104.3 144.3#





#63

Azobenzene

Concen: 3.724 ng

RT: 16.344 min Scan# 2180

Delta R.T. -0.002 min

Lab File: BG056943.D

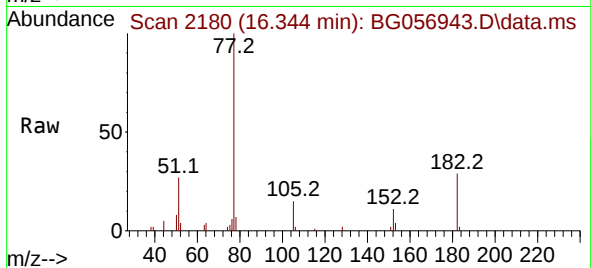
Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 77 Resp: 14809

Ion Ratio Lower Upper

77 100

182 28.7 5.9 45.9

105 15.5 0.0 36.8

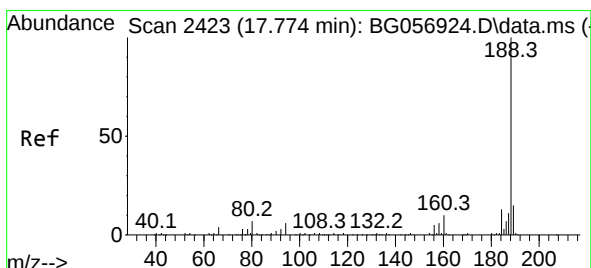
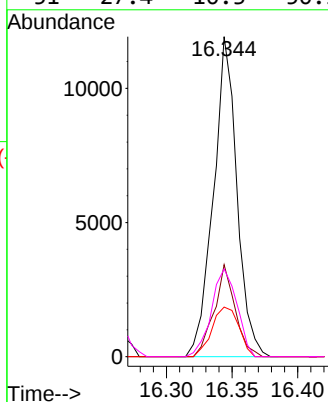
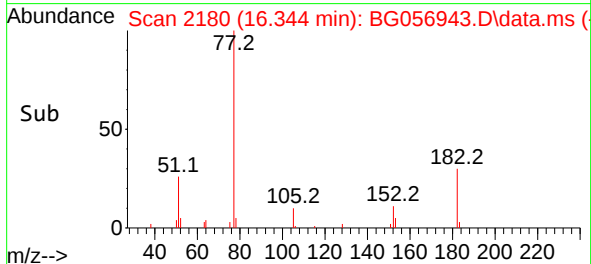
51 27.4 10.3 50.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.771 min Scan# 2423

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

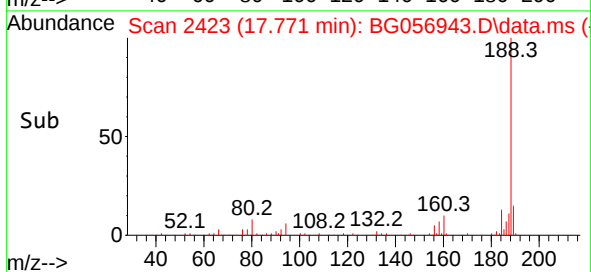
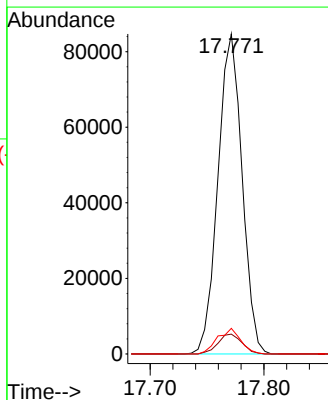
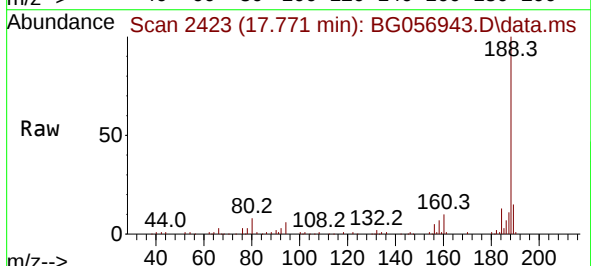
Tgt Ion:188 Resp: 124797

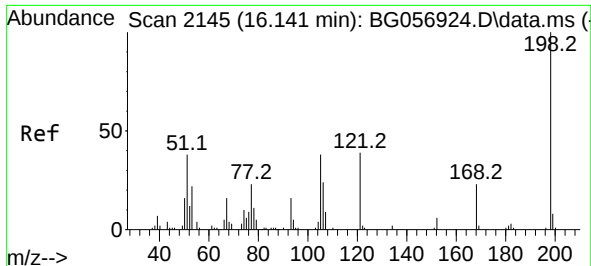
Ion Ratio Lower Upper

188 100

94 6.2 4.6 6.8

80 8.0 5.5 8.3





#65

4,6-Dinitro-2-methylphenol

Concen: 2.557 ng

RT: 16.132 min Scan# 2145

Delta R.T. -0.008 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:198 Resp: 193

Ion Ratio Lower Upper

198 100

51 25.8 20.5 60.5

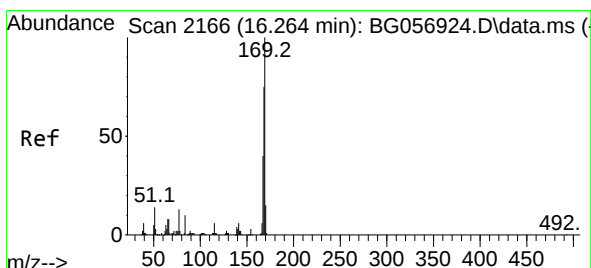
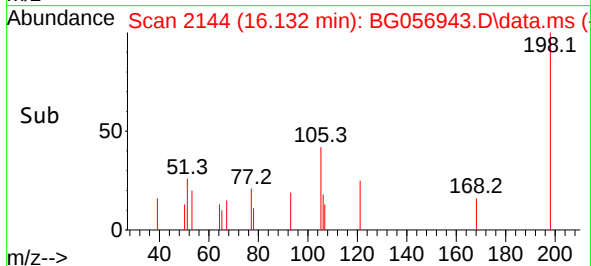
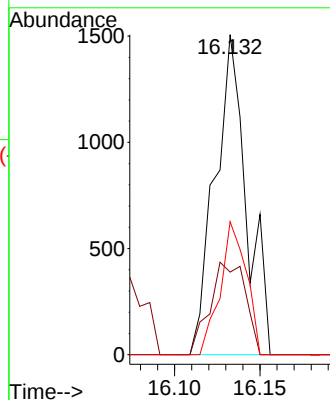
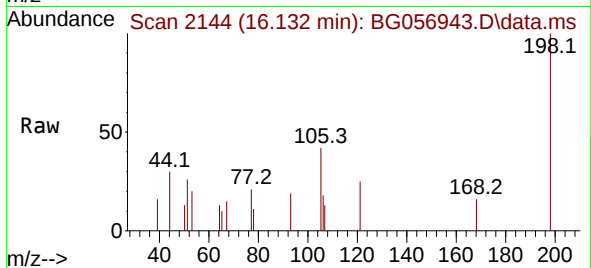
105 41.5 18.1 58.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#66

n-Nitrosodiphenylamine

Concen: 3.961 ng

RT: 16.262 min Scan# 2166

Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

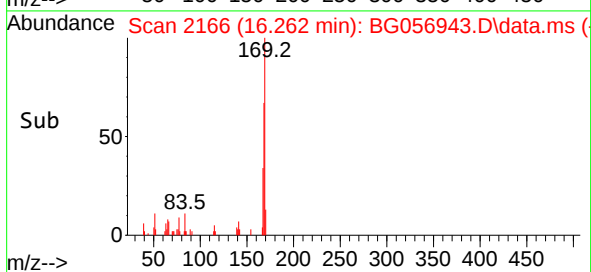
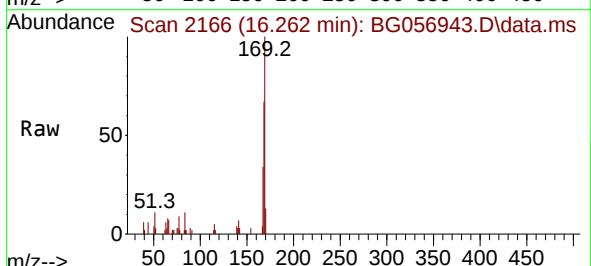
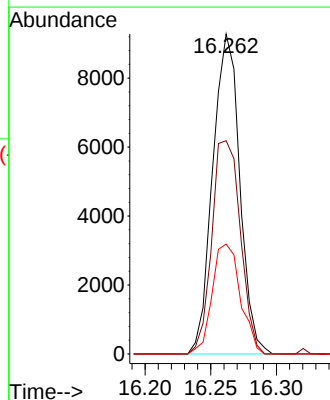
Tgt Ion:169 Resp: 13269

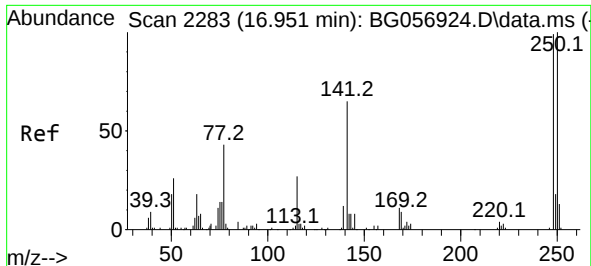
Ion Ratio Lower Upper

169 100

168 66.6 59.6 89.4

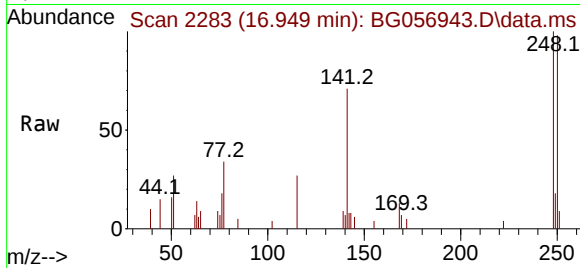
167 34.3 31.8 47.8





#67
4-Bromophenyl-phenylether
Concen: 3.510 ng
RT: 16.949 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

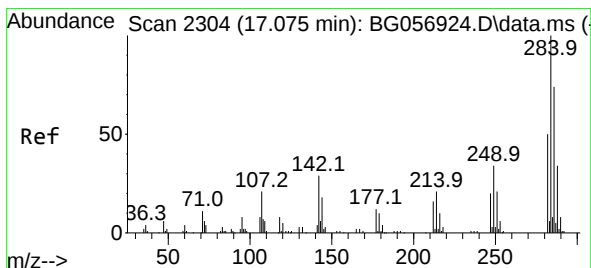
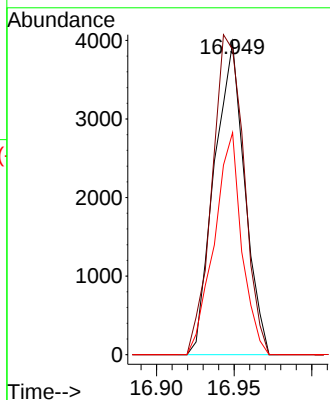
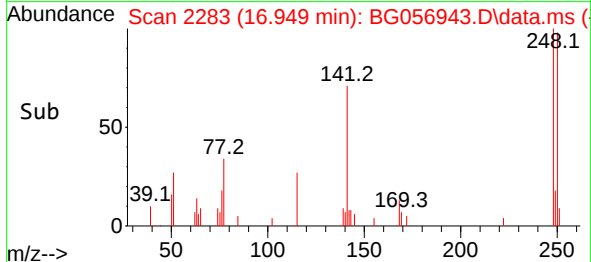
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



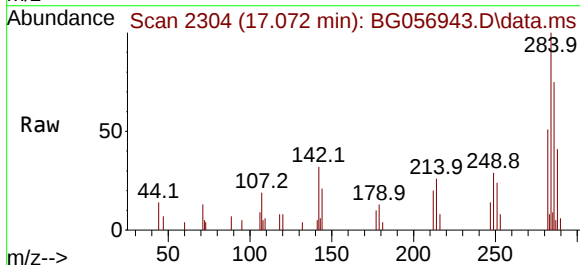
Tgt Ion:248 Resp: 5420
Ion Ratio Lower Upper
248 100
250 97.7 80.5 120.7
141 71.1 52.0 78.0

Manual Integrations
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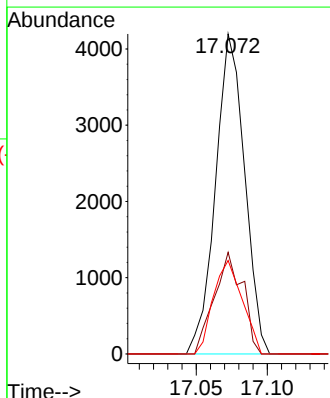
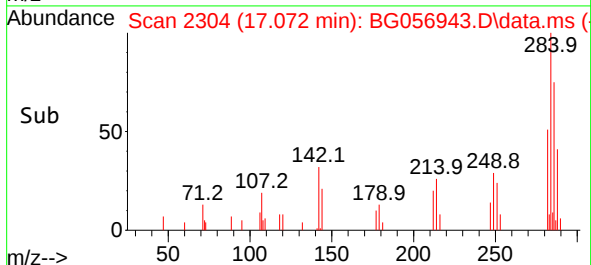
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

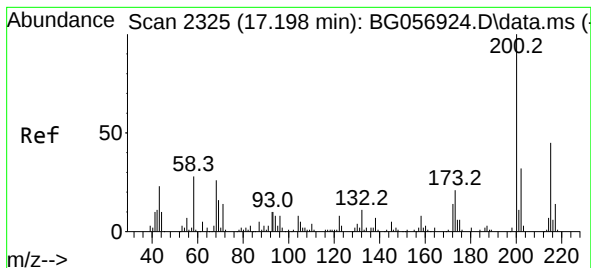


#68
Hexachlorobenzene
Concen: 3.908 ng
RT: 17.072 min Scan# 2304
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10



Tgt Ion:284 Resp: 5966
Ion Ratio Lower Upper
284 100
142 31.8 23.0 34.4
249 29.2 27.1 40.7





#69

Atrazine

Concen: 4.163 ng

RT: 17.190 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

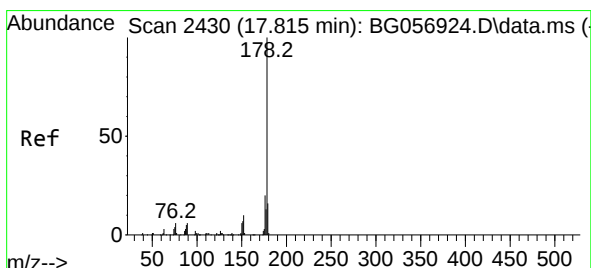
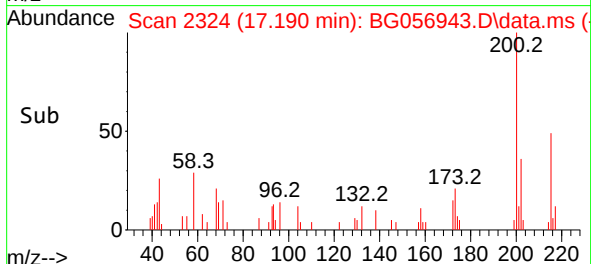
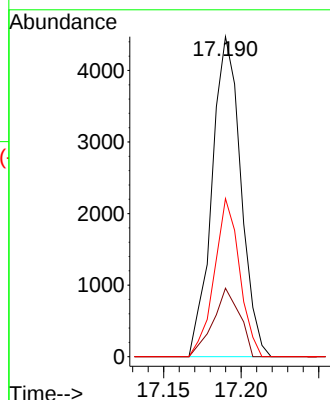
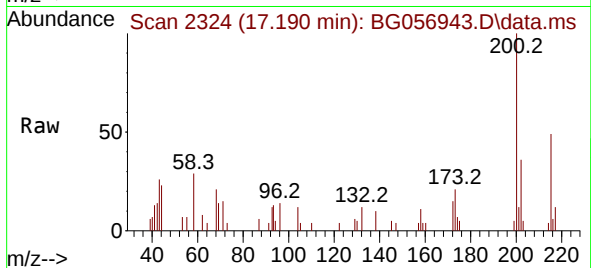
Tgt Ion:200 Resp: 5789
 Ion Ratio Lower Upper
 200 100
 173 21.4 1.0 41.0
 215 49.4 25.0 65.0

Manual Integrations

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Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#71

Phenanthrene

Concen: 3.963 ng

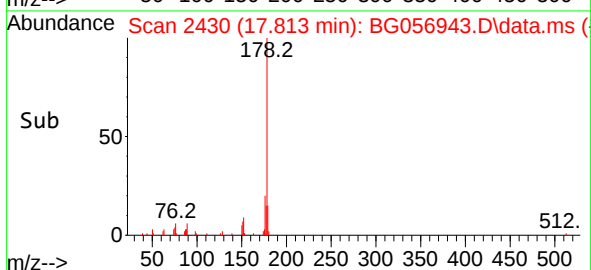
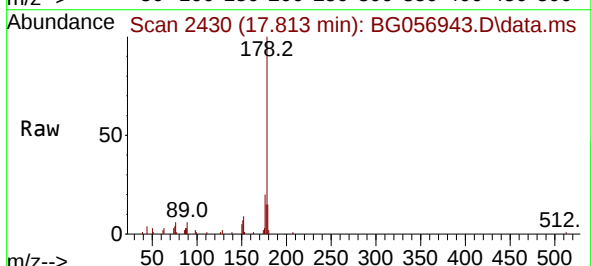
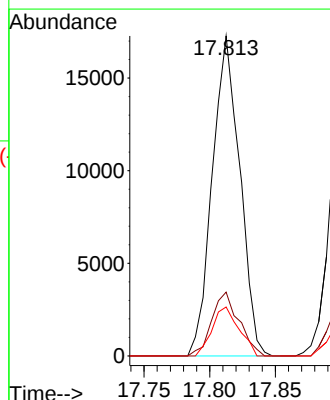
RT: 17.813 min Scan# 2430

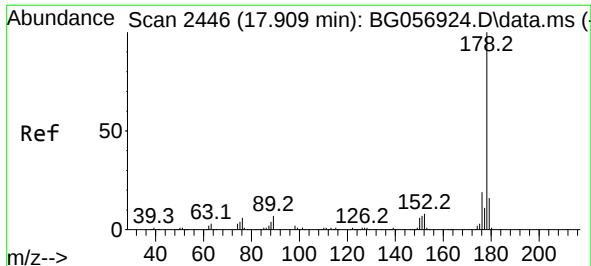
Delta R.T. -0.002 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

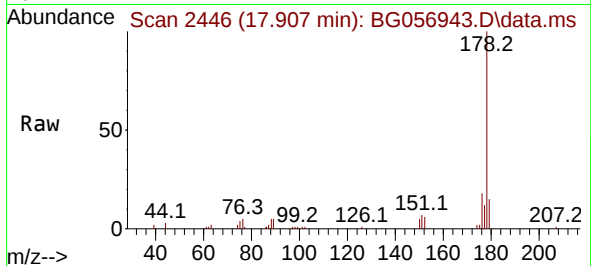
Tgt Ion:178 Resp: 25214
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.2 24.2
 179 15.3 12.5 18.7





#72
 Anthracene
 Concen: 3.836 ng
 RT: 17.907 min Scan# 2446
 Delta R.T. -0.002 min
 Lab File: BG056943.D
 Acq: 31 Mar 2023 14:10

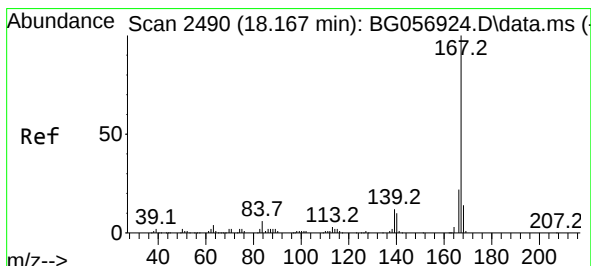
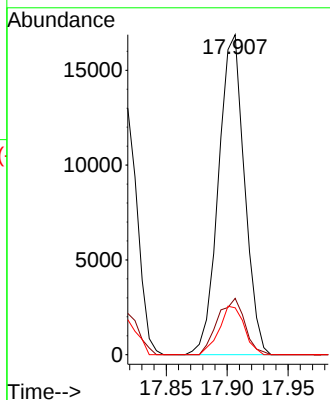
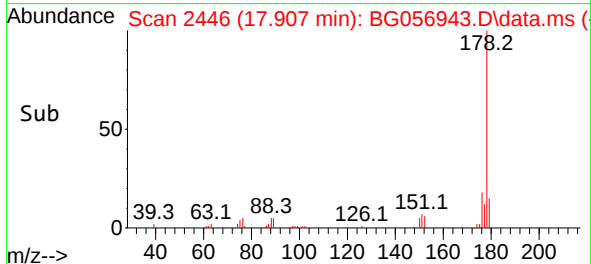
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023



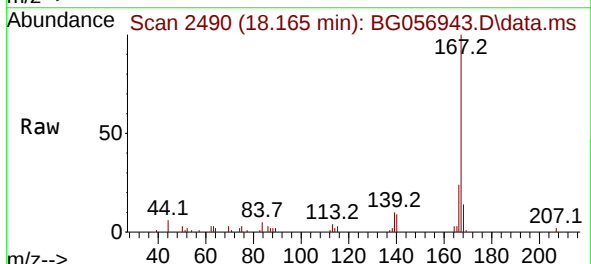
Tgt Ion:178 Resp: 25019
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.4 23.2
 179 14.6 12.4 18.6

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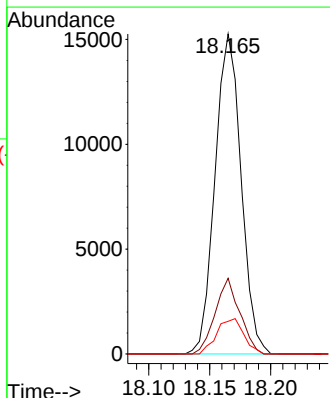
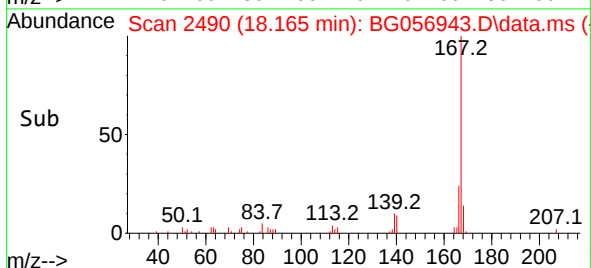
Reviewed By :Christian Giraldo 04/03/2023
 Supervised By :Jagrut Upadhyay 04/03/2023

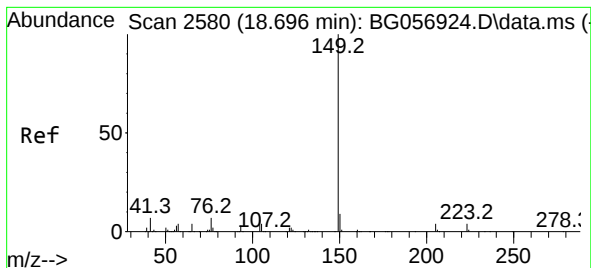


#73
 Carbazole
 Concen: 3.984 ng
 RT: 18.165 min Scan# 2490
 Delta R.T. -0.002 min
 Lab File: BG056943.D
 Acq: 31 Mar 2023 14:10



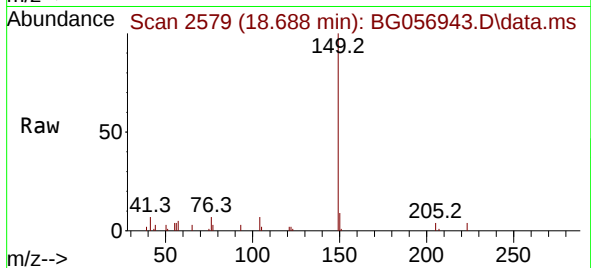
Tgt Ion:167 Resp: 22659
 Ion Ratio Lower Upper
 167 100
 166 23.7 17.9 26.9
 139 10.2 9.5 14.3





#74
Di-n-butylphthalate
Concen: 3.546 ng
RT: 18.688 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

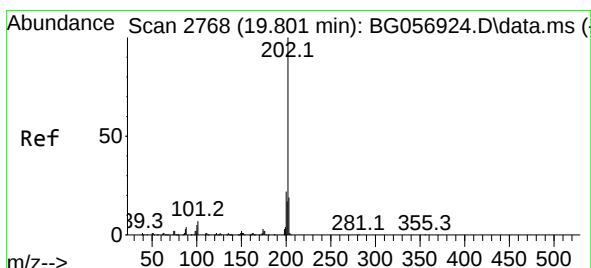
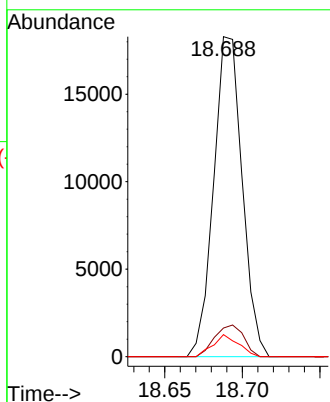
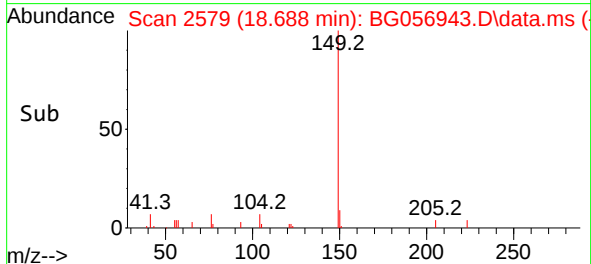
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:149 Resp: 23354
Ion Ratio Lower Upper
149 100
150 8.9 7.4 11.0
104 6.9 4.9 7.3

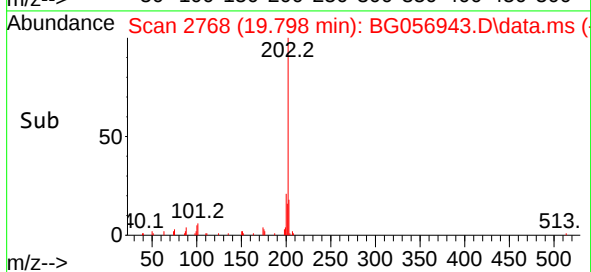
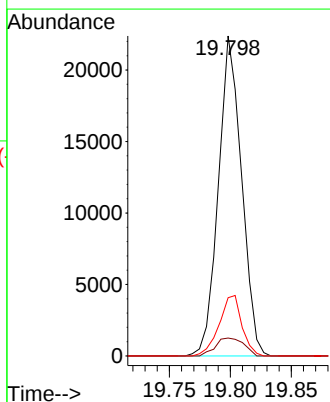
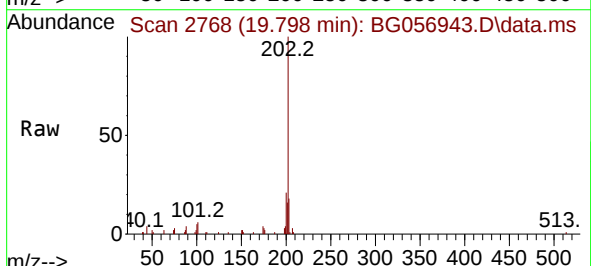
Manual Integrations
APPROVED

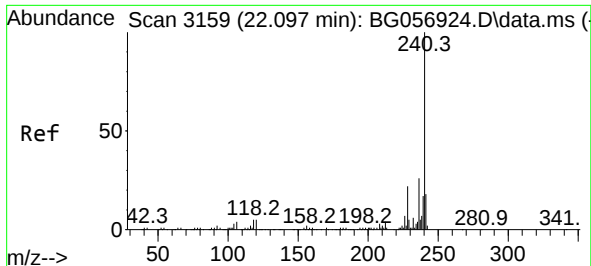
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#75
Fluoranthene
Concen: 3.670 ng
RT: 19.798 min Scan# 2768
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

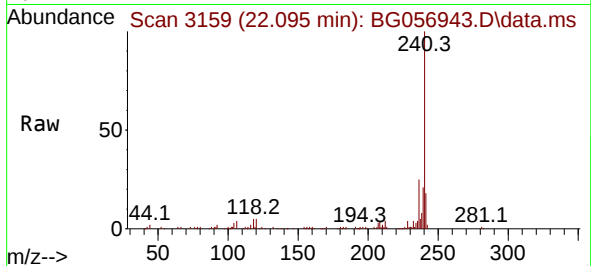
Tgt Ion:202 Resp: 29599
Ion Ratio Lower Upper
202 100
101 5.6 0.0 26.7
203 18.2 0.0 39.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.095 min Scan# 3159
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

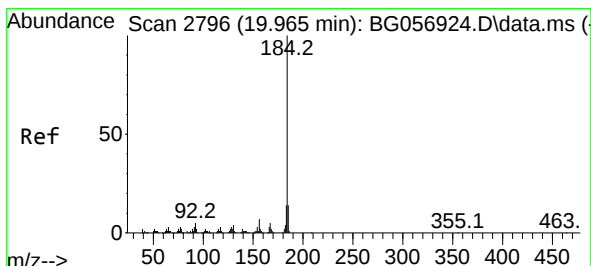
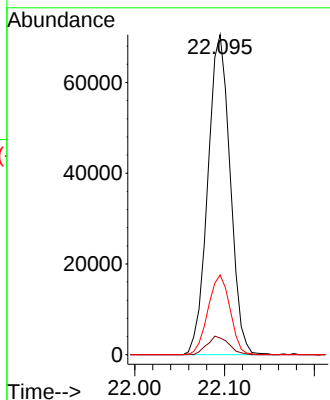
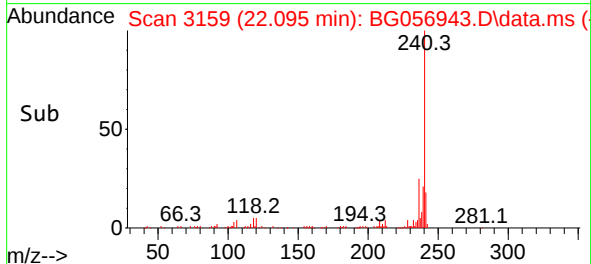
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:240 Resp: 121740
Ion Ratio Lower Upper
240 100
120 5.2 3.8 5.6
236 24.9 21.0 31.6

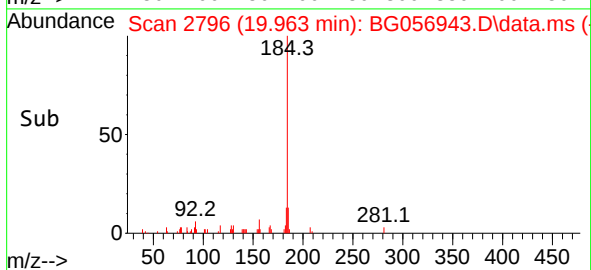
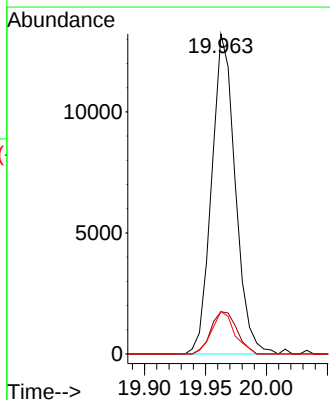
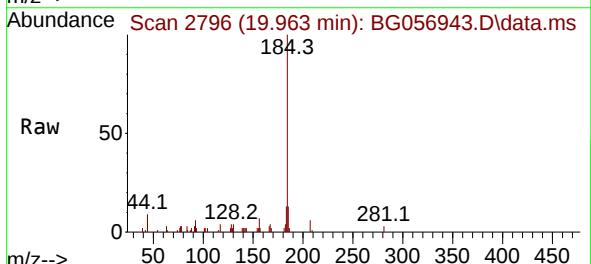
Manual Integrations
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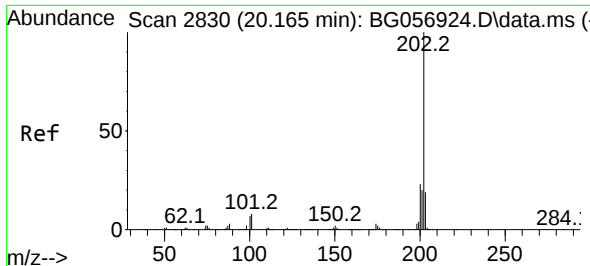
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#77
Benzidine
Concen: 5.358 ng
RT: 19.963 min Scan# 2796
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Tgt Ion:184 Resp: 17829
Ion Ratio Lower Upper
184 100
185 13.2 11.0 16.4
183 13.3 11.4 17.0





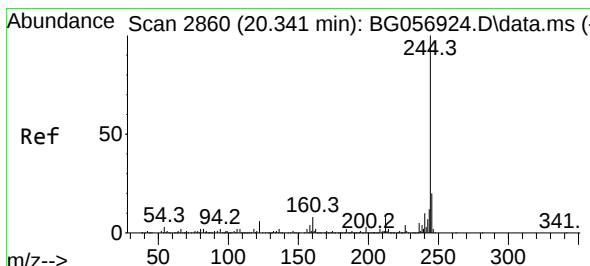
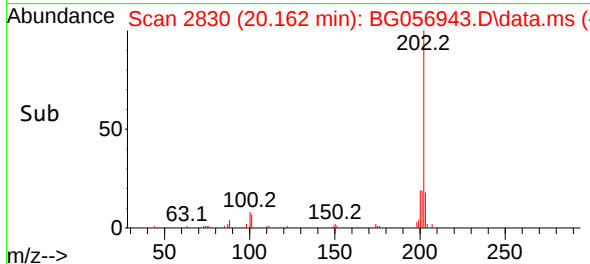
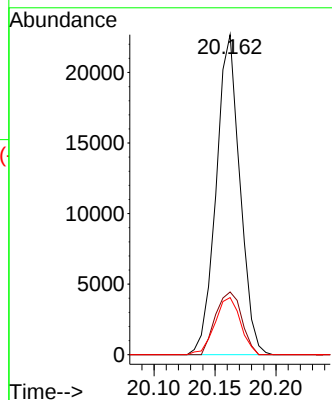
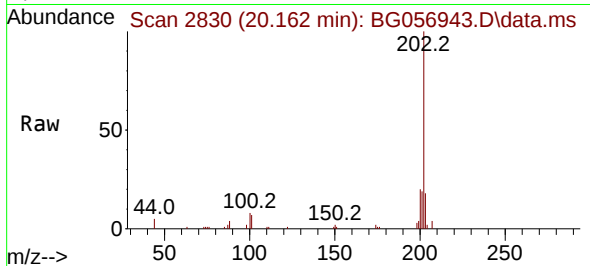
#78
 Pyrene
 Concen: 3.643 ng
 RT: 20.162 min Scan# 2830
 Delta R.T. -0.002 min
 Lab File: BG056943.D
 Acq: 31 Mar 2023 14:10

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:202 Resp: 30678
 Ion Ratio Lower Upper
 202 100
 200 19.6 18.7 28.1
 203 17.8 15.4 23.2

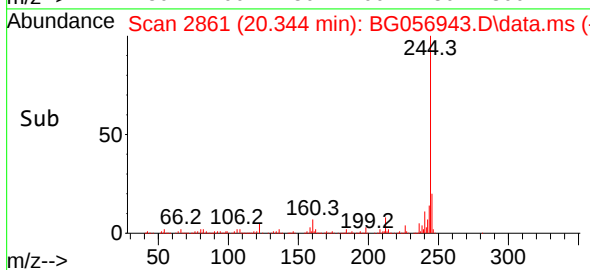
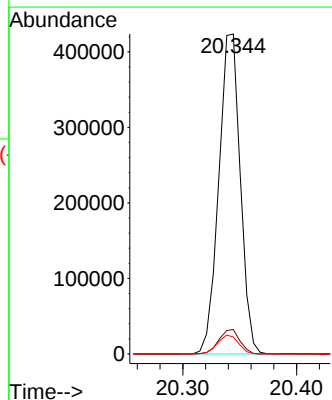
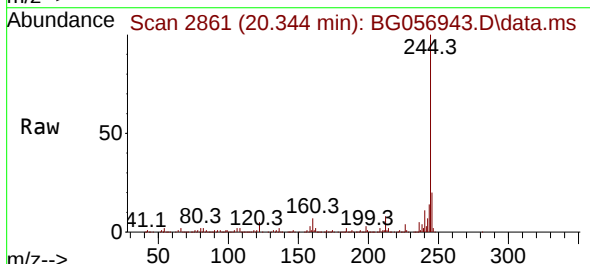
Manual Integrations
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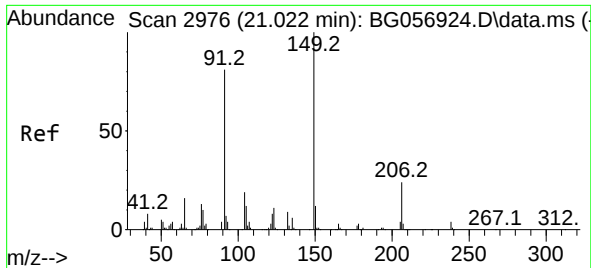
Reviewed By :Christian Giraldo 04/03/2023
 Supervised By :Jagrut Upadhyay 04/03/2023



#79
 Terphenyl-d14
 Concen: 77.477 ng
 RT: 20.344 min Scan# 2861
 Delta R.T. 0.003 min
 Lab File: BG056943.D
 Acq: 31 Mar 2023 14:10

Tgt Ion:244 Resp: 557427
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 5.3 5.0 7.4





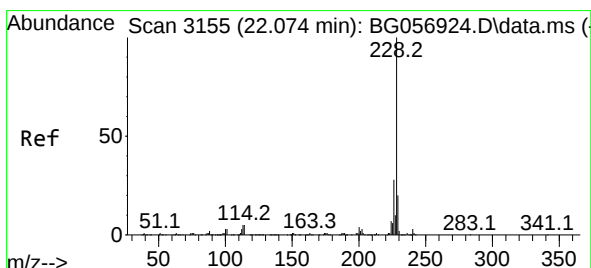
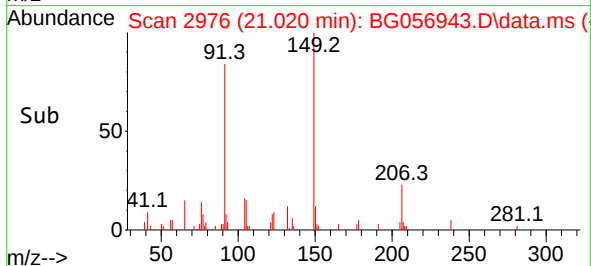
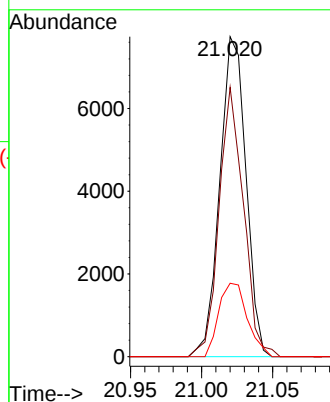
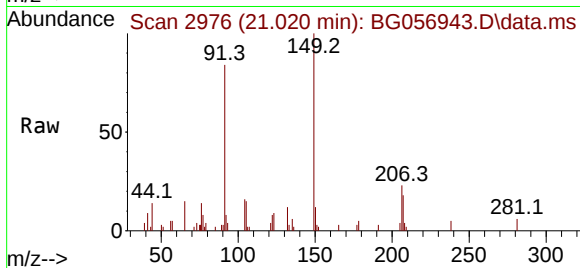
#80
Butylbenzylphthalate
Concen: 3.418 ng
RT: 21.020 min Scan# 2976
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:	149	Resp:	990
Ion Ratio	Lower	Upper	
149	100		
91	84.1	64.4	96.6
206	22.9	18.9	28.3

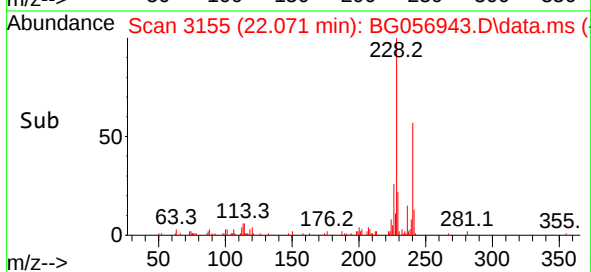
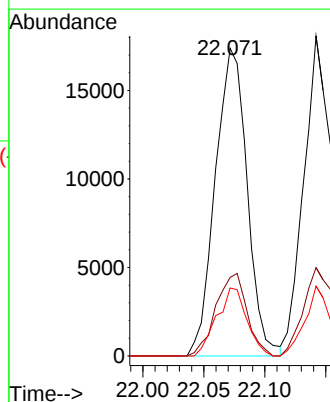
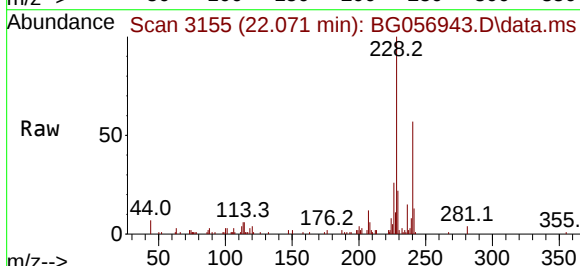
Manual Integrations
APPROVED

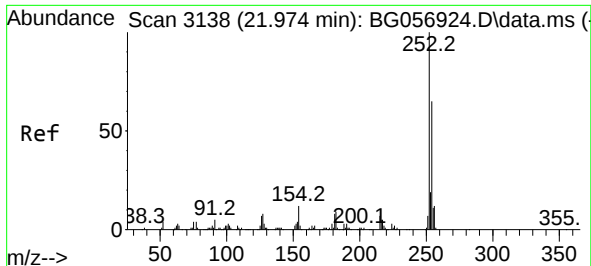
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#81
Benzo(a)anthracene
Concen: 3.759 ng
RT: 22.071 min Scan# 3155
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

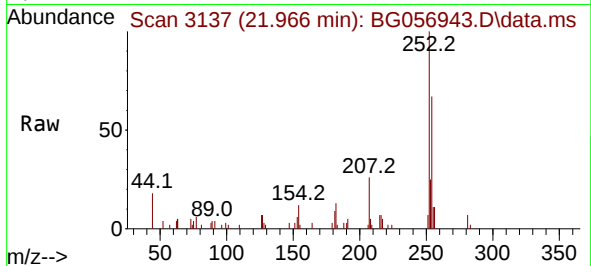
Tgt Ion:	228	Resp:	31669
Ion Ratio	Lower	Upper	
228	100		
226	25.5	22.1	33.1
229	22.1	16.1	24.1





#82
 3,3'-Dichlorobenzidine
 Concen: 4.315 ng
 RT: 21.966 min Scan# 3138
 Delta R.T. -0.008 min
 Lab File: BG056943.D
 Acq: 31 Mar 2023 14:10

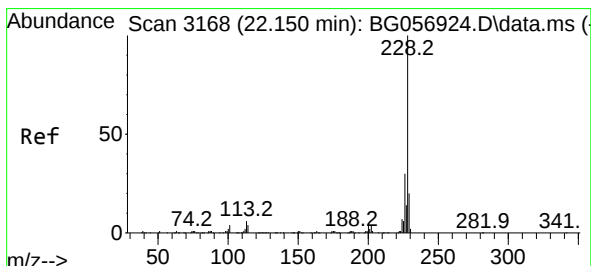
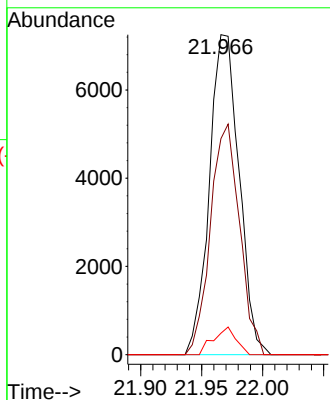
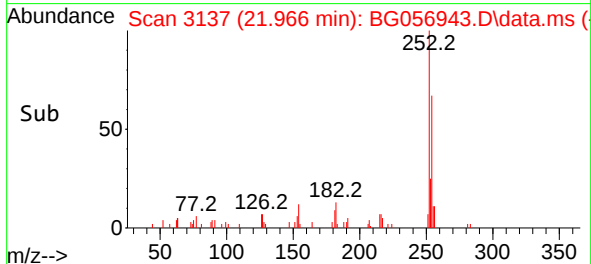
Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:252 Resp: 12270
 Ion Ratio Lower Upper
 252 100
 254 67.5 51.7 77.5
 126 6.7 5.6 8.4

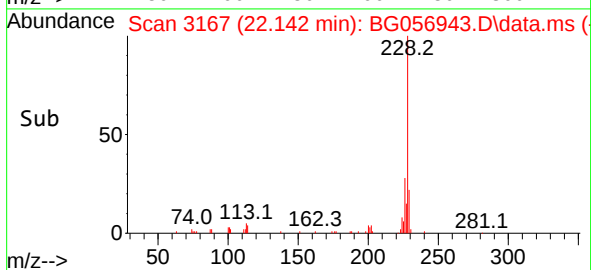
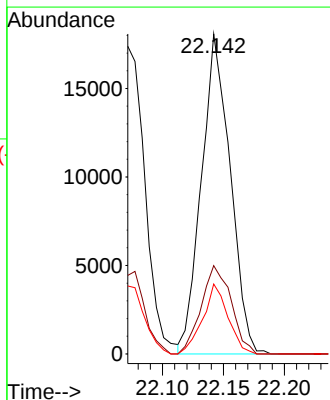
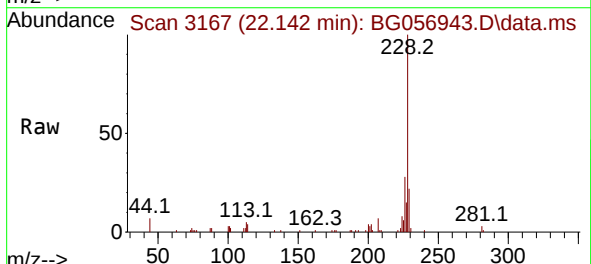
Manual Integrations
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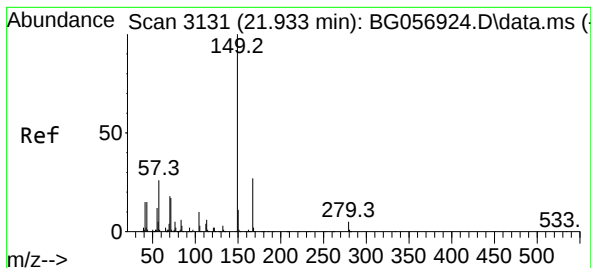
Reviewed By :Christian Giraldo 04/03/2023
 Supervised By :Jagrut Upadhyay 04/03/2023



#83
 Chrysene
 Concen: 3.767 ng
 RT: 22.142 min Scan# 3167
 Delta R.T. -0.008 min
 Lab File: BG056943.D
 Acq: 31 Mar 2023 14:10

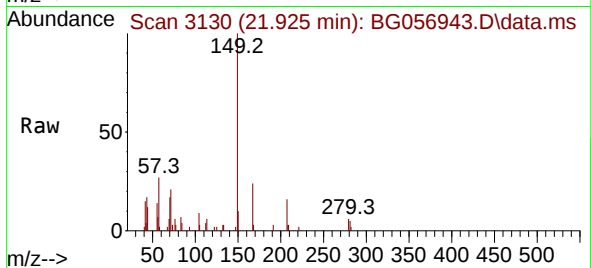
Tgt Ion:228 Resp: 29712
 Ion Ratio Lower Upper
 228 100
 226 27.6 24.1 36.1
 229 21.9 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.459 ng
RT: 21.925 min Scan# 3131
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

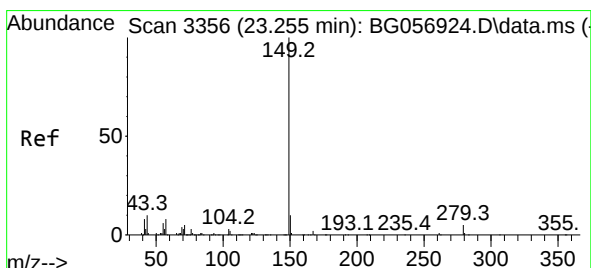
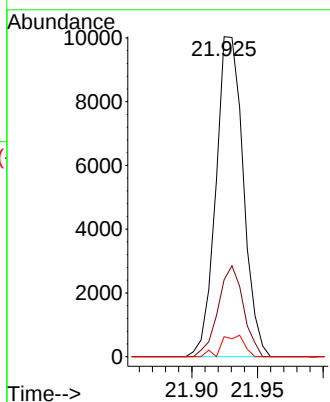
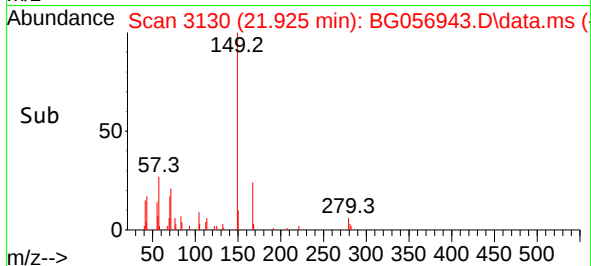
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:149 Resp: 14514
Ion Ratio Lower Upper
149 100
167 24.1 21.4 32.2
279 6.3 3.9 5.9

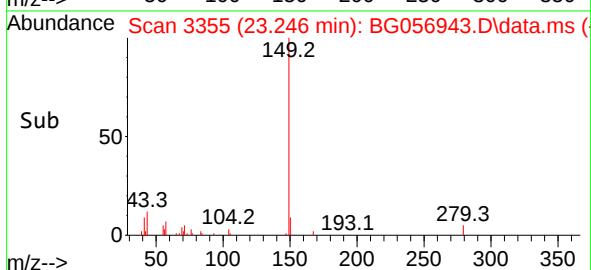
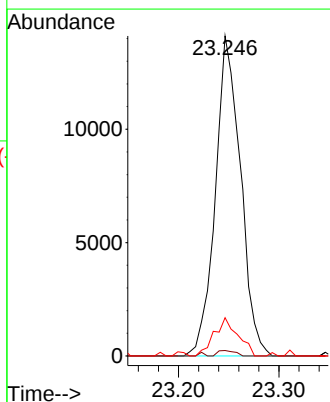
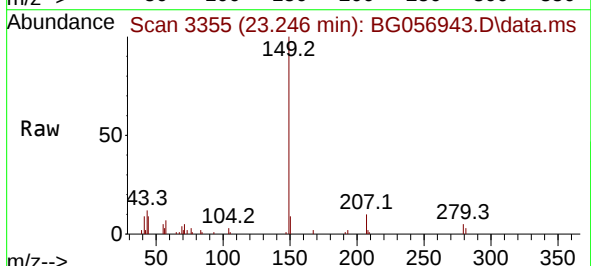
Manual Integrations
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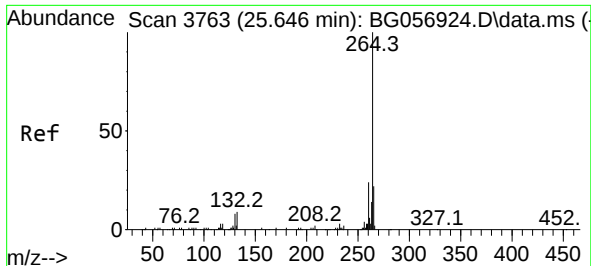
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#85
Di-n-octyl phthalate
Concen: 3.477 ng
RT: 23.246 min Scan# 3355
Delta R.T. -0.008 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

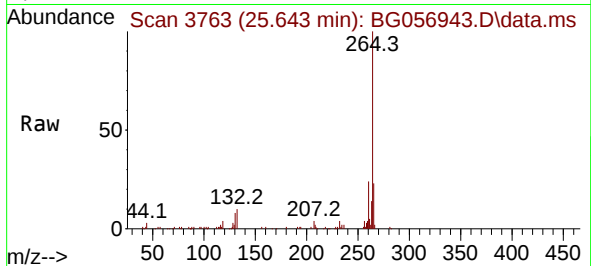
Tgt Ion:149 Resp: 24588
Ion Ratio Lower Upper
149 100
167 1.2 1.3 1.9#
43 11.2 7.9 11.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.643 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10

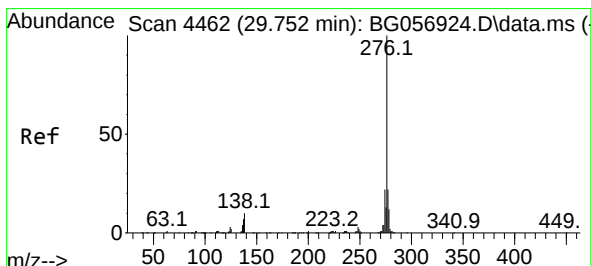
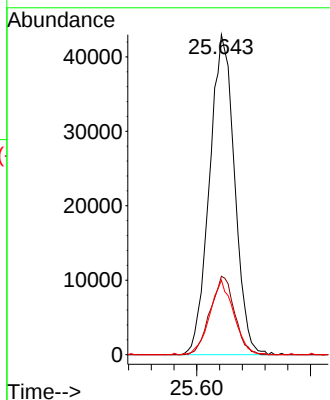
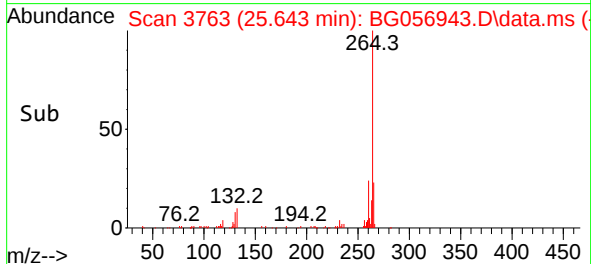
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



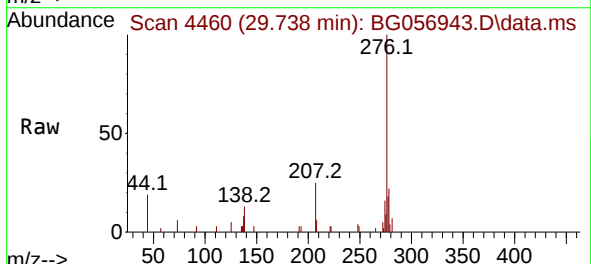
Tgt Ion:264 Resp: 13144
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.4
265 23.3 17.8 26.6

Manual Integrations
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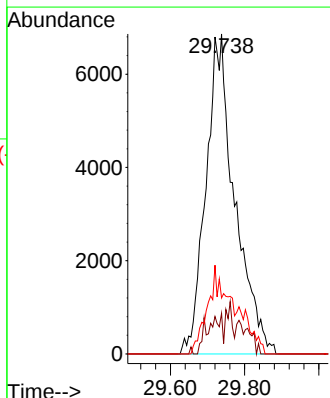
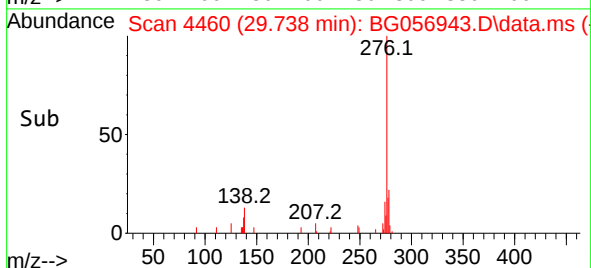
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

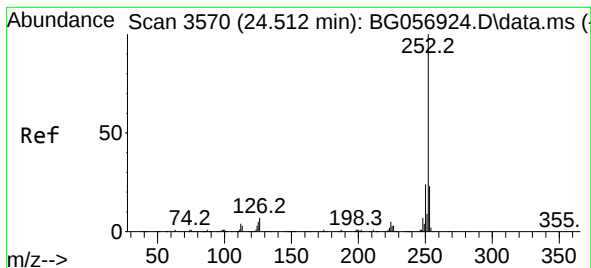


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.825 ng
RT: 29.738 min Scan# 4460
Delta R.T. -0.014 min
Lab File: BG056943.D
Acq: 31 Mar 2023 14:10



Tgt Ion:276 Resp: 37158
Ion Ratio Lower Upper
276 100
138 3.1 7.7 11.5#
277 19.8 21.0 31.4#





#88

Benzo(b)fluoranthene

Concen: 3.940 ng

RT: 24.503 min Scan# 3569

Delta R.T. -0.008 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

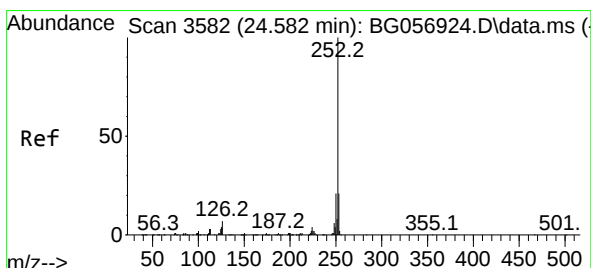
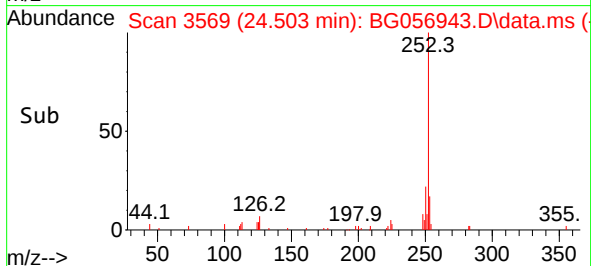
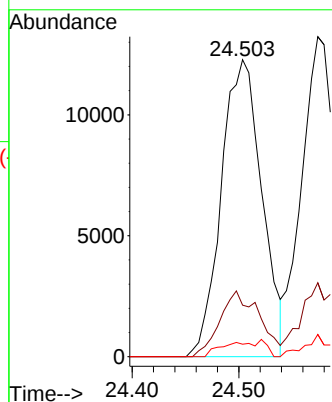
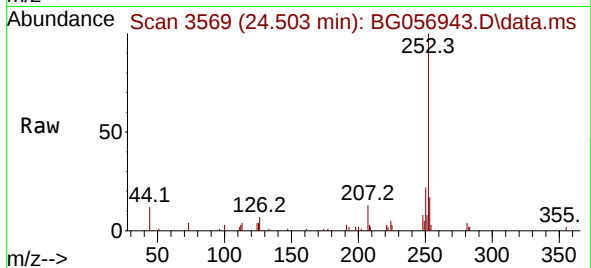
Tgt Ion:	252	Resp:	32380
Ion Ratio	Lower	Upper	
252	100		
253	17.4	18.1	27.1
125	4.2	4.2	6.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#89

Benzo(k)fluoranthene

Concen: 4.033 ng m

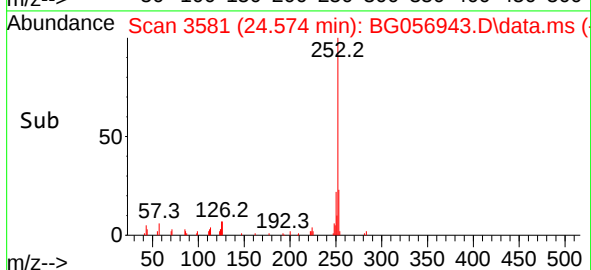
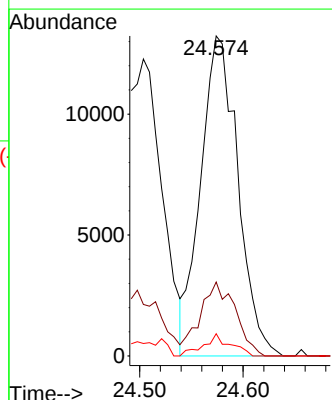
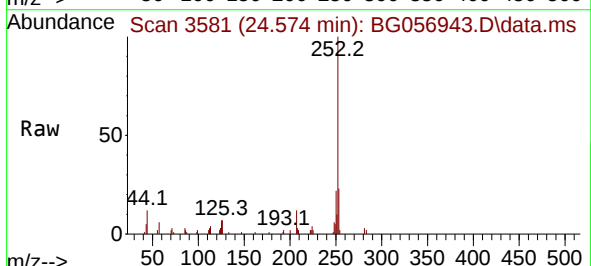
RT: 24.574 min Scan# 3581

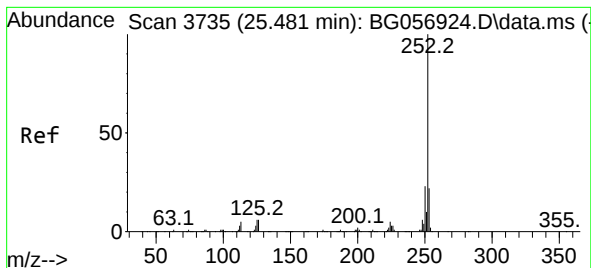
Delta R.T. -0.008 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Tgt Ion:	252	Resp:	33095
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	6.9	3.8	5.6





#90

Benzo(a)pyrene

Concen: 3.548 ng

RT: 25.473 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

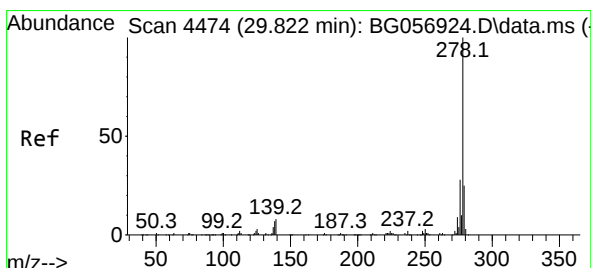
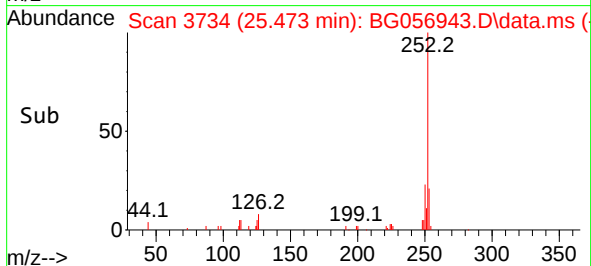
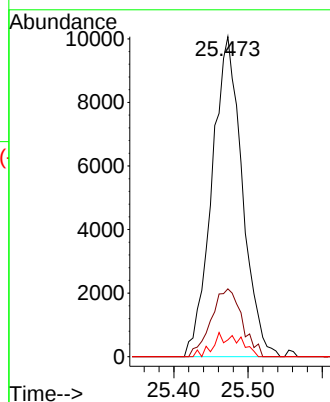
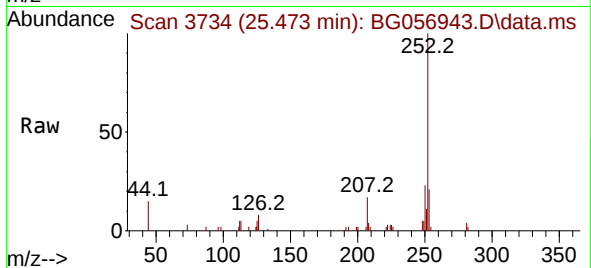
Tgt Ion:	252	Resp:	2865
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.6	26.4
125	5.3	4.5	6.7

Manual Integrations

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Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.669 ng

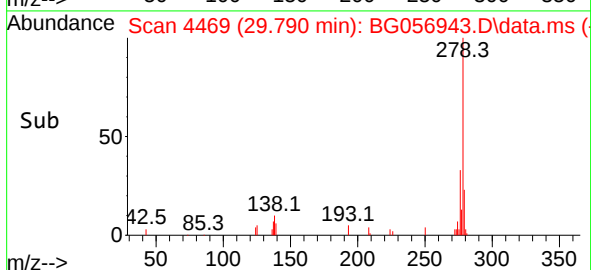
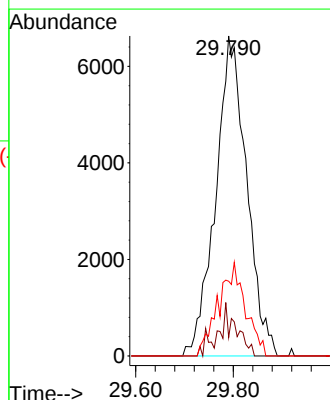
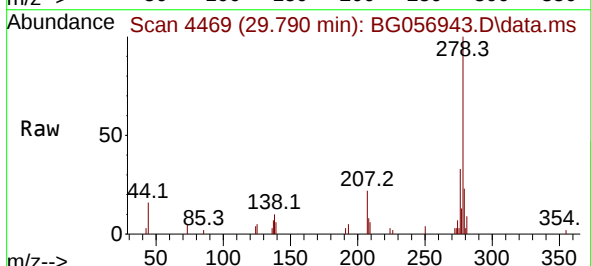
RT: 29.790 min Scan# 4469

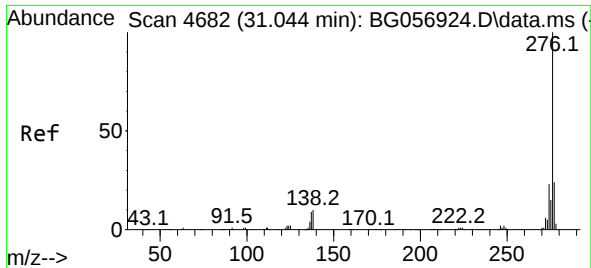
Delta R.T. -0.032 min

Lab File: BG056943.D

Acq: 31 Mar 2023 14:10

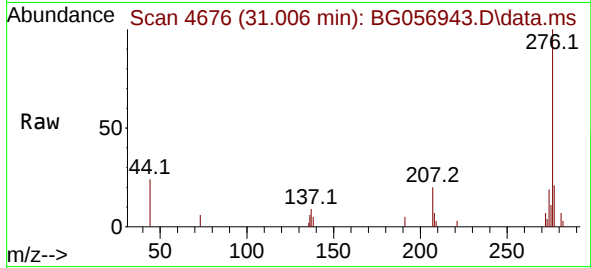
Tgt Ion:	278	Resp:	29294
Ion Ratio	Lower	Upper	
278	100		
139	5.8	6.4	9.6#
279	23.4	20.2	30.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.823 ng
 RT: 31.006 min Scan# 40
 Delta R.T. -0.038 min
 Lab File: BG056943.D
 Acq: 31 Mar 2023 14:10

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:276 Resp: 2989
 Ion Ratio Lower Upper
 276 100
 277 20.6 19.1 28.7
 138 4.9 8.2 12.2

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/03/2023
 Supervised By :Jagrut Upadhyay 04/03/2023

