

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG033123\
 Data File : BG056939.D
 Acq On : 31 Mar 2023 9:53
 Operator : CG/JU
 Sample : 01627-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

Manual Integrations
 APPROVED

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

Quant Time: Apr 01 02:32:28 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.415	152	14683	20.000	ng	0.00
21) Naphthalene-d8	11.253	136	58110	20.000	ng	0.00
39) Acenaphthene-d10	15.030	164	45233	20.000	ng	0.00
64) Phenanthrene-d10	17.767	188	116544	20.000	ng	0.00
76) Chrysene-d12	22.091	240	110516	20.000	ng	# 0.00
86) Perylene-d12	25.633	264	118418	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.919	112	101592	110.735	ng	0.00
7) Phenol-d6	7.540	99	151353	110.305	ng	0.00
23) Nitrobenzene-d5	9.590	82	119969	84.475	ng	0.00
42) 2,4,6-Tribromophenol	16.504	330	87595	121.220	ng	0.00
45) 2-Fluorobiphenyl	13.655	172	288306	86.429	ng	0.00
79) Terphenyl-d14	20.340	244	568757	87.085	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.728	88	2333	5.801	ng	94
3) Pyridine	4.162	79	5892m	4.549	ng	
4) n-Nitrosodimethylamine	4.057	42	2696	4.527	ng	# 97
6) Aniline	7.722	93	8455	4.820	ng	# 85
8) 2-Chlorophenol	7.963	128	4417	4.834	ng	94
9) Benzaldehyde	7.534	77	5336	6.200	ng	92
10) Phenol	7.564	94	6510	4.788	ng	86
11) bis(2-Chloroethyl)ether	7.810	93	4817	4.974	ng	99
12) 1,3-Dichlorobenzene	8.298	146	5270m	5.219	ng	
13) 1,4-Dichlorobenzene	8.445	146	5491	5.388	ng	# 85
14) 1,2-Dichlorobenzene	8.774	146	5024	5.103	ng	90
15) Benzyl Alcohol	8.639	79	5307	4.655	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.932	45	5823	4.989	ng	90
17) 2-Methylphenol	8.844	107	4334	4.468	ng	88
18) Hexachloroethane	9.514	117	1953	5.243	ng	# 85
19) n-Nitroso-di-n-propyla...	9.208	70	4462	4.546	ng	94
20) 3+4-Methylphenols	9.167	107	6031	4.446	ng	94
22) Acetophenone	9.238	105	8982	5.195	ng	# 94
24) Nitrobenzene	9.631	77	8120	5.592	ng	# 90
25) Isophorone	10.148	82	13314	4.923	ng	97
26) 2-Nitrophenol	10.342	139	2788	4.975	ng	# 69
27) 2,4-Dimethylphenol	10.383	122	4670	4.719	ng	# 86
28) bis(2-Chloroethoxy)met...	10.624	93	6425	4.745	ng	95
29) 2,4-Dichlorophenol	10.883	162	4704	4.420	ng	88
30) 1,2,4-Trichlorobenzene	11.112	180	5496	4.861	ng	# 80
31) Naphthalene	11.306	128	16125	5.091	ng	98
33) 4-Chloroaniline	11.400	127	6462	4.517	ng	# 90
34) Hexachlorobutadiene	11.582	225	4319	5.085	ng	92
35) Caprolactam	12.134	113	1840	5.014	ng	# 78
36) 4-Chloro-3-methylphenol	12.486	107	5123	4.305	ng	# 82
37) 2-Methylnaphthalene	12.880	142	12825	5.102	ng	98
38) 1-Methylnaphthalene	13.097	142	10782	4.568	ng	88
40) 1,2,4,5-Tetrachloroben...	13.238	216	8305	5.295	ng	98
41) Hexachlorocyclopentadiene	13.215	237	4139	4.789	ng	99
43) 2,4,6-Trichlorophenol	13.467	196	4597	4.593	ng	96
44) 2,4,5-Trichlorophenol	13.538	196	5036	4.247	ng	91

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 Misc : LOQ-SOIL-5ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

Quant Time: Apr 01 02:32:28 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

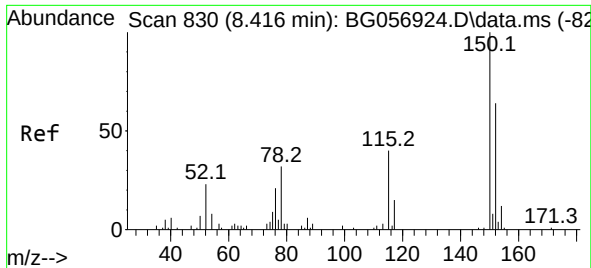
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.861	154	17939	5.418	ng	96
47) 2-Chloronaphthalene	13.914	162	13174	5.379	ng	95
48) 2-Nitroaniline	14.102	65	4448	5.080	ng	97
49) Acenaphthylene	14.754	152	21178	5.263	ng	99
50) Dimethylphthalate	14.454	163	18282	5.130	ng	# 99
51) 2,6-Dinitrotoluene	14.584	165	3533	4.588	ng	90
52) Acenaphthene	15.089	154	13595	4.899	ng	89
53) 3-Nitroaniline	14.918	138	3697	4.850	ng	86
54) 2,4-Dinitrophenol	15.118	184	1118	2.579	ng	# 76
55) Dibenzofuran	15.418	168	22228	5.337	ng	# 90
56) 4-Nitrophenol	15.200	139	2487	4.413	ng	# 86
57) 2,4-Dinitrotoluene	15.359	165	5470	5.037	ng	# 89
58) Fluorene	16.064	166	18564	5.386	ng	# 93
59) 2,3,4,6-Tetrachlorophenol	15.635	232	5166	4.785	ng	# 96
60) Diethylphthalate	15.805	149	18528	5.186	ng	99
61) 4-Chlorophenyl-phenyle...	16.046	204	9803	4.845	ng	98
62) 4-Nitroaniline	16.070	138	4245	5.375	ng	92
63) Azobenzene	16.340	77	17378	4.880	ng	98
65) 4,6-Dinitro-2-methylph...	16.128	198	2618	3.709	ng	84
66) n-Nitrosodiphenylamine	16.258	169	15620	4.993	ng	100
67) 4-Bromophenyl-phenylether	16.945	248	6955	4.823	ng	96
68) Hexachlorobenzene	17.068	284	7921	5.556	ng	96
69) Atrazine	17.186	200	7318	5.635	ng	90
70) Pentachlorophenol	17.409	266	2557	2.500	ng	96
71) Phenanthrene	17.809	178	31570	5.313	ng	96
72) Anthracene	17.897	178	30529	5.012	ng	97
73) Carbazole	18.161	167	26997	5.083	ng	# 96
74) Di-n-butylphthalate	18.684	149	29014	4.718	ng	# 95
75) Fluoranthene	19.794	202	37106	4.926	ng	98
77) Benzidine	19.959	184	19295	6.387	ng	# 96
78) Pyrene	20.158	202	38783	5.074	ng	96
80) Butylbenzylphthalate	21.016	149	12188	4.634	ng	91
81) Benzo(a)anthracene	22.067	228	39123	5.116	ng	98
82) 3,3'-Dichlorobenzidine	21.956	252	15292	5.921	ng	92
83) Chrysene	22.138	228	35006	4.889	ng	96
84) Bis(2-ethylhexyl)phtha...	21.921	149	18639	4.894	ng	94
85) Di-n-octyl phthalate	23.242	149	31111	4.847	ng	# 98
87) Indeno(1,2,3-cd)pyrene	29.716	276	44057	5.034	ng	# 87
88) Benzo(b)fluoranthene	24.500	252	40784m	5.508	ng	
89) Benzo(k)fluoranthene	24.570	252	39215	5.305	ng	94
90) Benzo(a)pyrene	25.457	252	33838	4.650	ng	# 98
91) Dibenzo(a,h)anthracene	29.781	278	38183	5.308	ng	# 91
92) Benzo(g,h,i)perylene	30.985	276	36167	5.134	ng	93

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

Manual Integrations

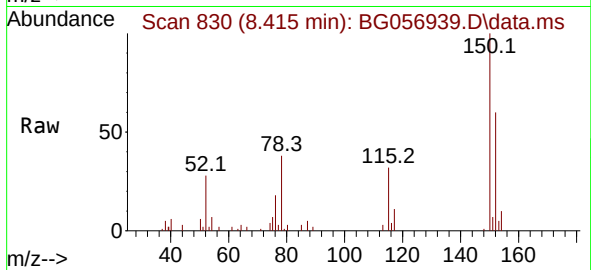
Quant Time: Apr 01 02:32:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 03:23:11 2023
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.415 min Scan# 81
 Delta R.T. -0.001 min
 Lab File: BG056939.D
 Acq: 31 Mar 2023 9:53

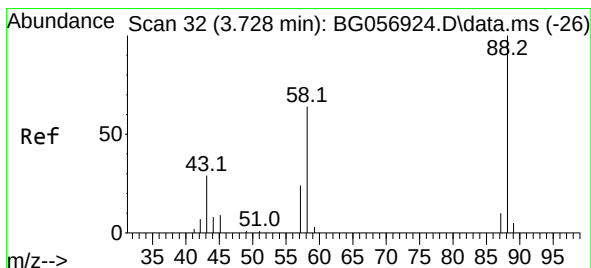
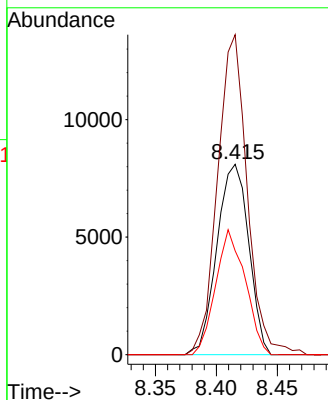
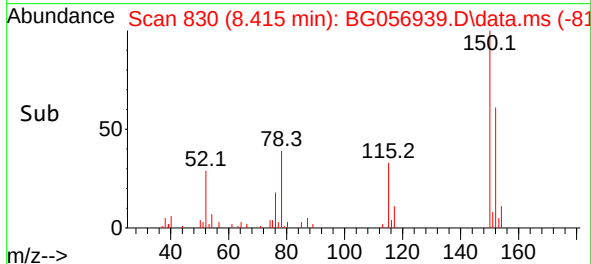
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023



Tgt Ion:152 Resp: 1468
 Ion Ratio Lower Upper
 152 100
 150 168.0 124.1 186.1
 115 54.5 49.1 73.7

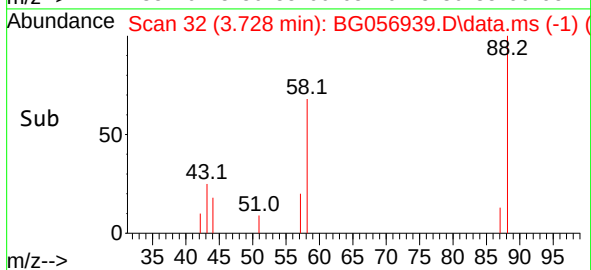
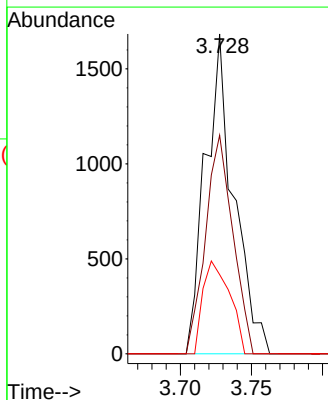
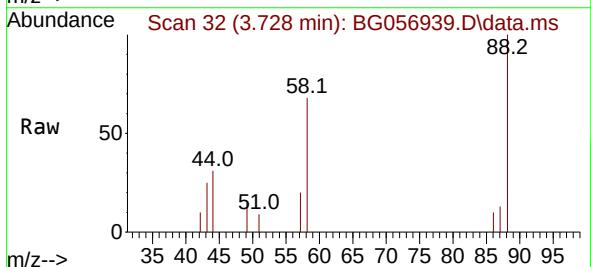
Manual Integrations
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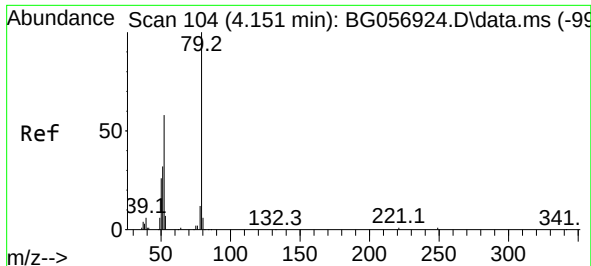
Reviewed By :Christian Giraldo 04/03/2023
 Supervised By :Jagrut Upadhyay 04/03/2023



#2
 1,4-Dioxane
 Concen: 5.801 ng
 RT: 3.728 min Scan# 32
 Delta R.T. -0.001 min
 Lab File: BG056939.D
 Acq: 31 Mar 2023 9:53

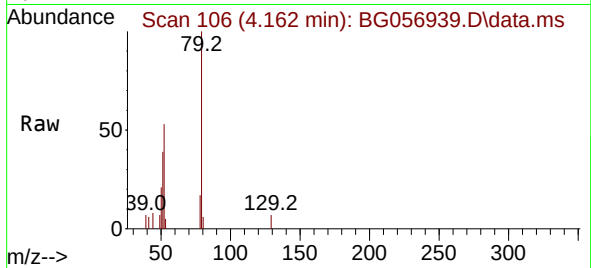
Tgt Ion: 88 Resp: 2333
 Ion Ratio Lower Upper
 88 100
 58 65.8 55.9 83.9
 43 27.5 25.7 38.5





#3
Pyridine
Concen: 4.549 ng m
RT: 4.162 min Scan# 106
Delta R.T. 0.011 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

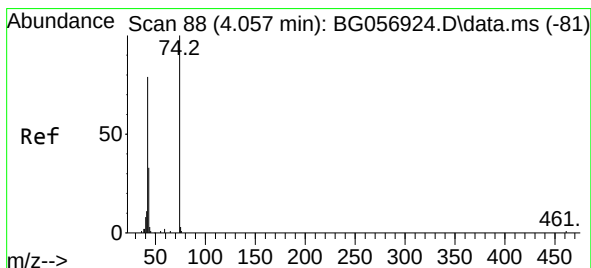
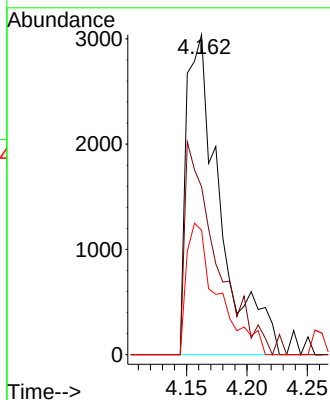
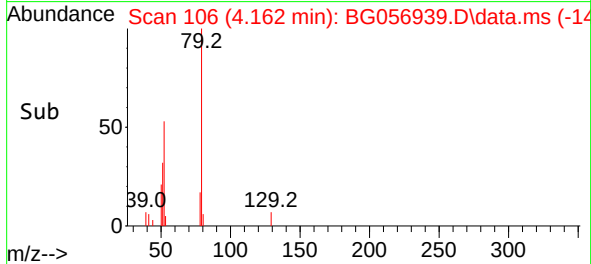
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 79 Resp: 5892
Ion Ratio Lower Upper
79 100
52 52.5 46.1 69.1
51 38.8 26.1 39.1

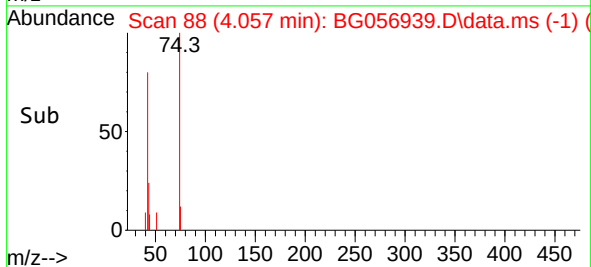
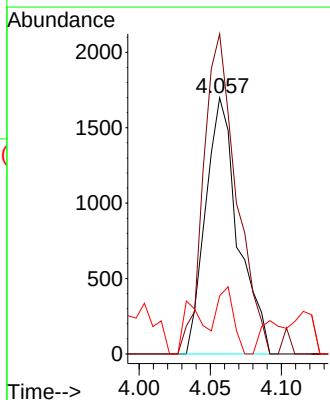
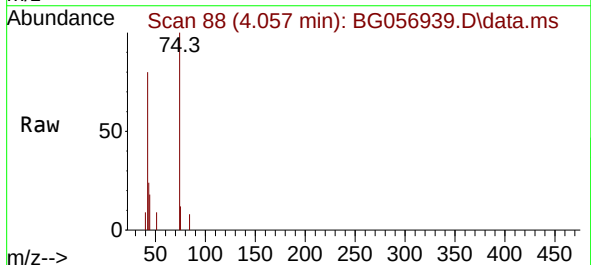
Manual Integrations
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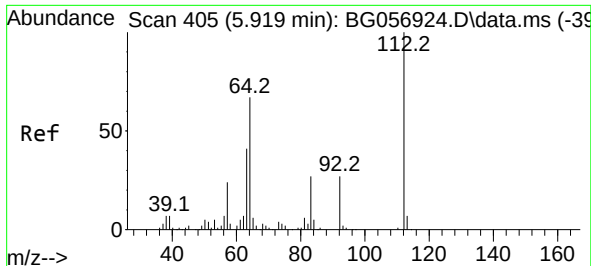
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#4
n-Nitrosodimethylamine
Concen: 4.527 ng
RT: 4.057 min Scan# 88
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

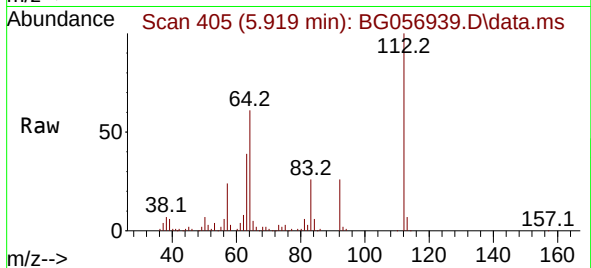
Tgt Ion: 42 Resp: 2696
Ion Ratio Lower Upper
42 100
74 124.9 100.6 151.0
44 22.7 4.6 7.0#





#5
2-Fluorophenol
Concen: 110.735 ng
RT: 5.919 min Scan# 405
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

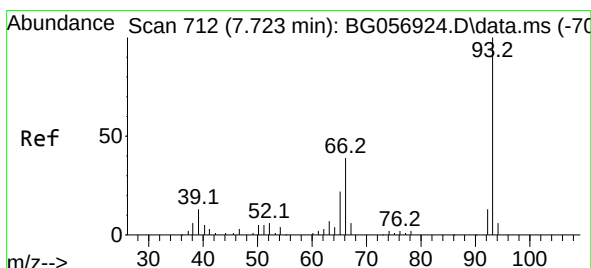
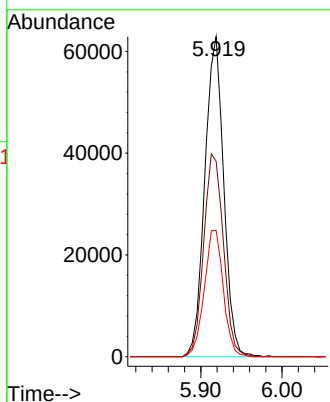
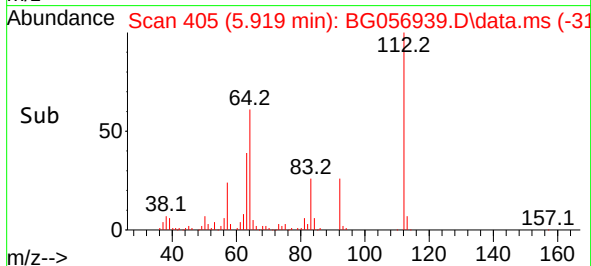
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:112 Resp: 101592
Ion Ratio Lower Upper
112 100
64 61.1 53.2 79.8
63 39.5 32.6 48.8

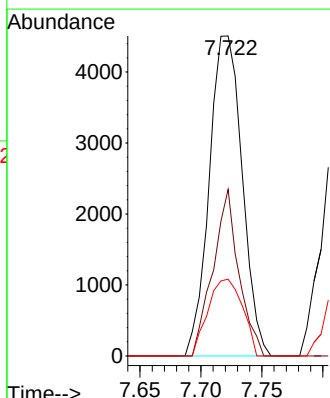
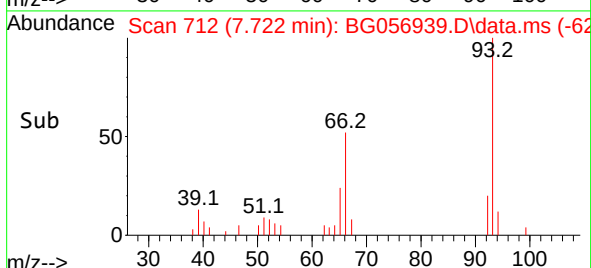
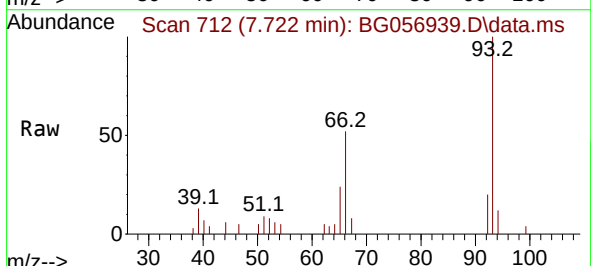
Manual Integrations
APPROVED

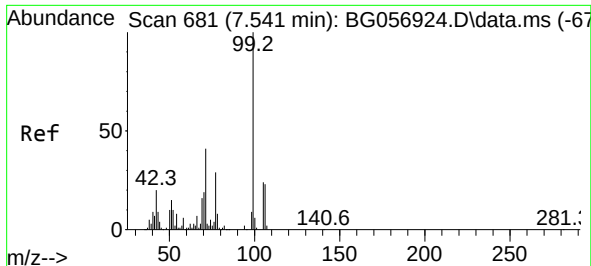
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#6
Aniline
Concen: 4.820 ng
RT: 7.722 min Scan# 712
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

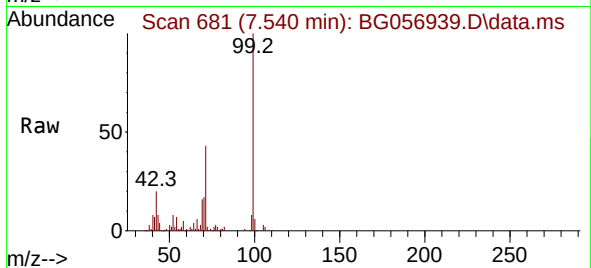
Tgt Ion: 93 Resp: 8455
Ion Ratio Lower Upper
93 100
66 52.1 31.4 47.0#
65 24.0 17.3 25.9





#7
Phenol-d6
Concen: 110.305 ng
RT: 7.540 min Scan# 681
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

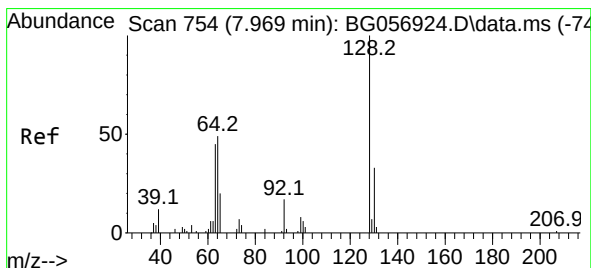
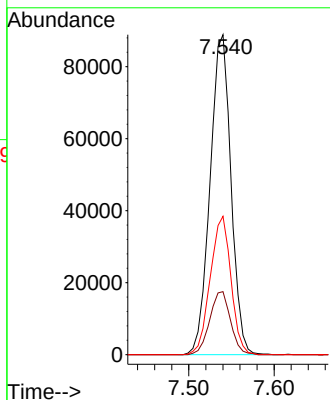
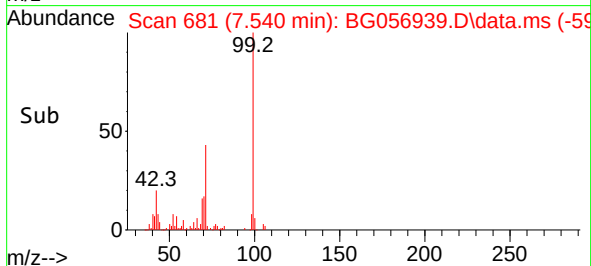
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 99 Resp: 15135
Ion Ratio Lower Upper
99 100
42 19.7 15.7 23.5
71 43.2 32.5 48.7

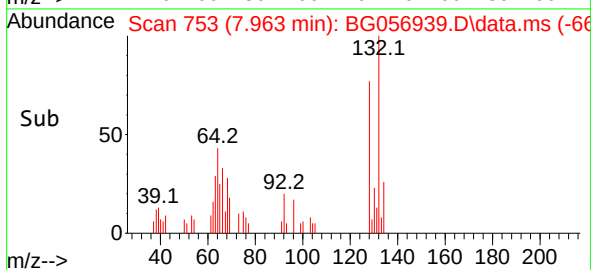
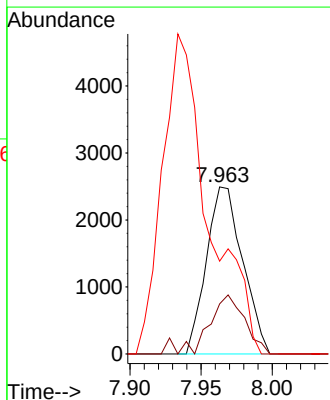
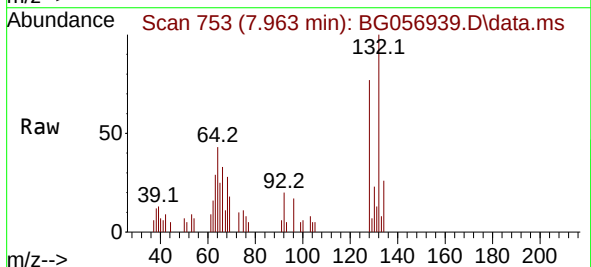
Manual Integrations
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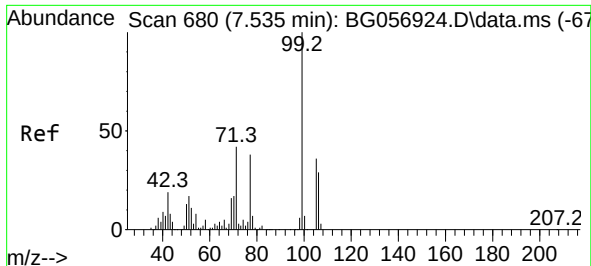
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#8
2-Chlorophenol
Concen: 4.834 ng
RT: 7.963 min Scan# 753
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

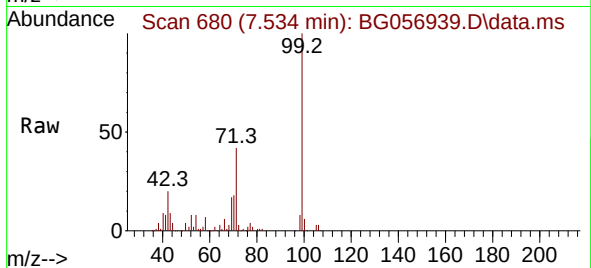
Tgt Ion:128 Resp: 4417
Ion Ratio Lower Upper
128 100
130 30.0 12.6 52.6
64 55.6 40.6 80.6





#9
Benzaldehyde
Concen: 6.200 ng
RT: 7.534 min Scan# 680
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

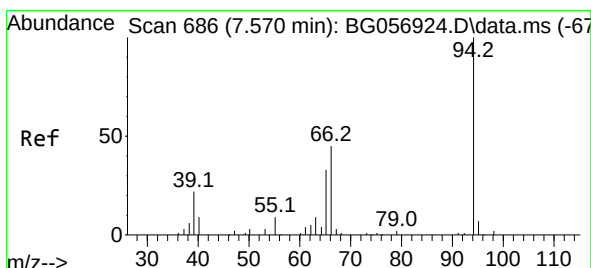
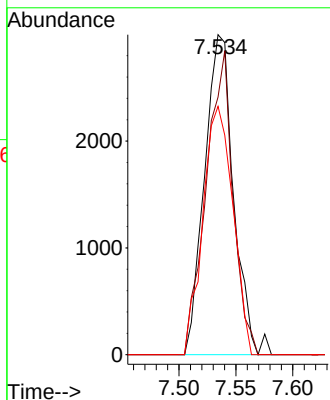
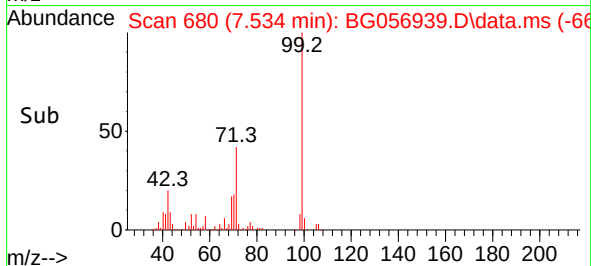
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 77 Resp: 5330
Ion Ratio Lower Upper
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105 80.5 73.6 113.6
106 77.6 56.7 96.7

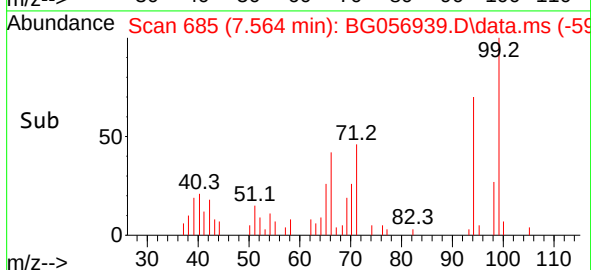
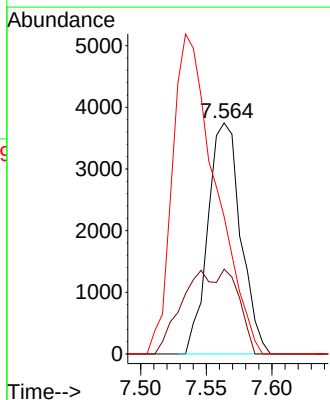
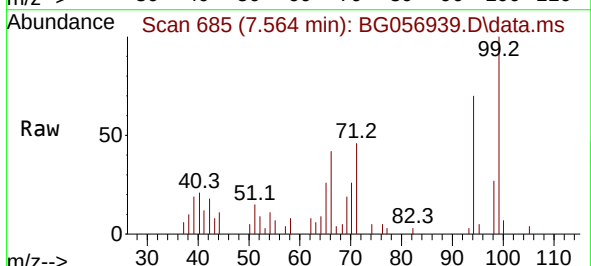
Manual Integrations
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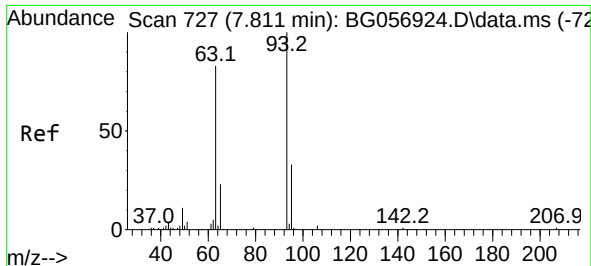
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#10
Phenol
Concen: 4.788 ng
RT: 7.564 min Scan# 685
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

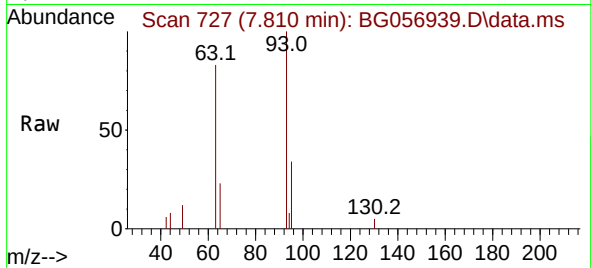
Tgt Ion: 94 Resp: 6510
Ion Ratio Lower Upper
94 100
65 36.7 13.3 53.3
66 59.5 26.7 66.7





#11
bis(2-Chloroethyl)ether
Concen: 4.974 ng
RT: 7.810 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

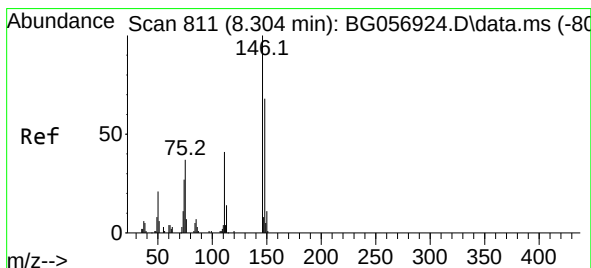
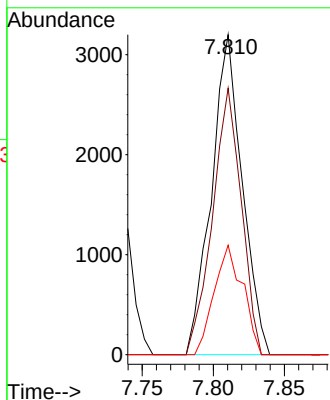
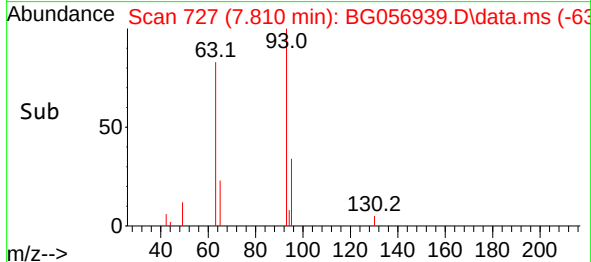
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 93 Resp: 481
Ion Ratio Lower Upper
93 100
63 83.3 62.7 102.7
95 34.2 12.3 52.3

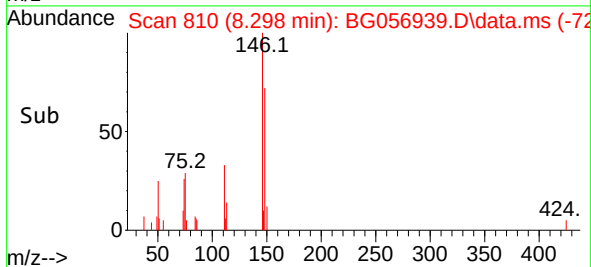
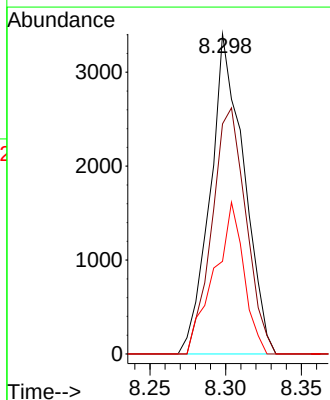
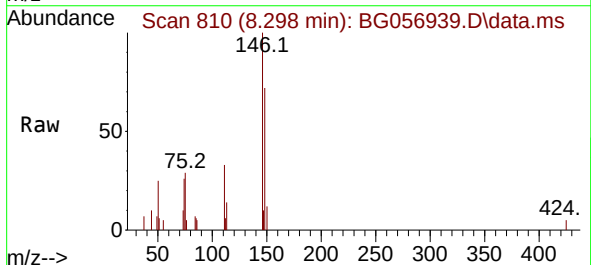
Manual Integrations
APPROVED

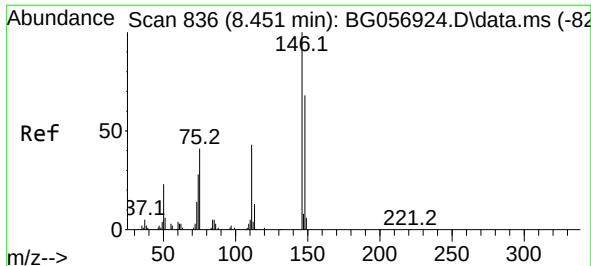
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#12
1,3-Dichlorobenzene
Concen: 5.219 ng m
RT: 8.298 min Scan# 810
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:146 Resp: 5270
Ion Ratio Lower Upper
146 100
148 71.9 54.2 81.4
75 29.0 29.8 44.8#





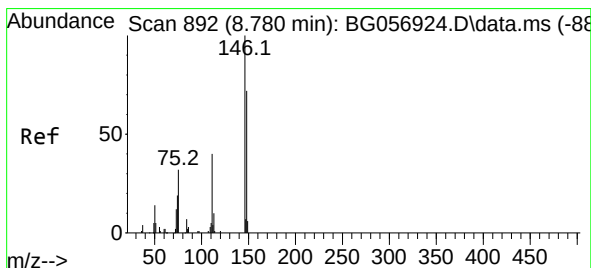
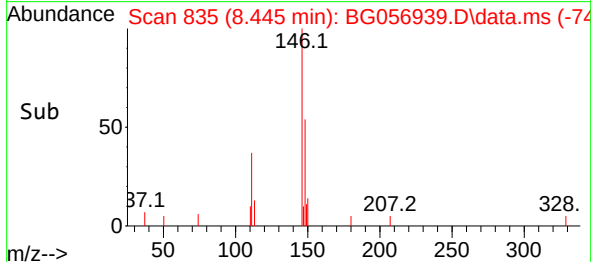
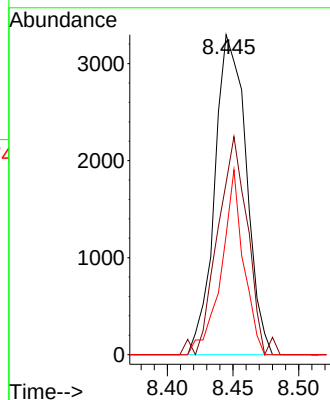
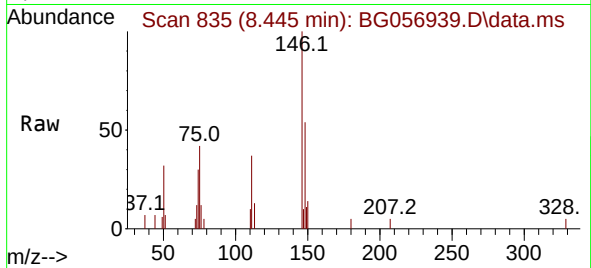
#13
1,4-Dichlorobenzene
Concen: 5.388 ng
RT: 8.445 min Scan# 811
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:146 Resp: 549
Ion Ratio Lower Upper
146 100
148 53.7 54.8 82.2
111 37.3 34.6 52.0

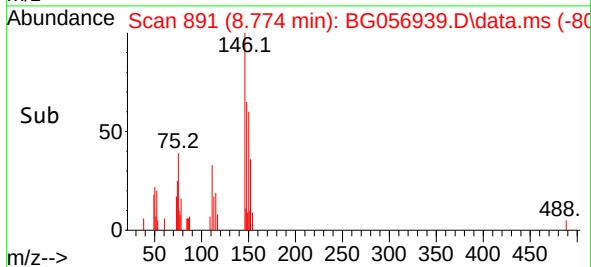
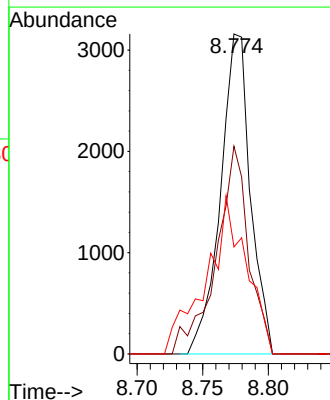
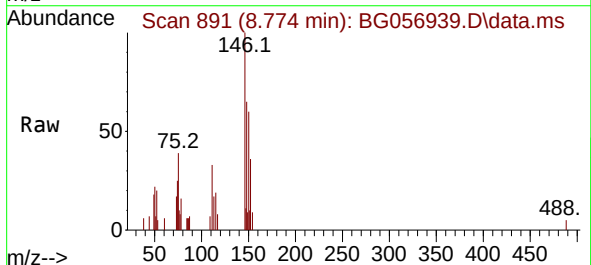
Manual Integrations
APPROVED

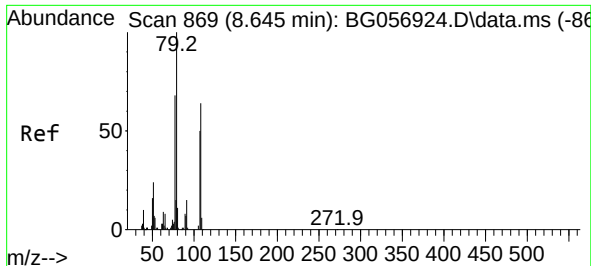
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#14
1,2-Dichlorobenzene
Concen: 5.103 ng
RT: 8.774 min Scan# 891
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:146 Resp: 5024
Ion Ratio Lower Upper
146 100
148 64.9 57.4 86.0
111 33.4 33.2 49.8





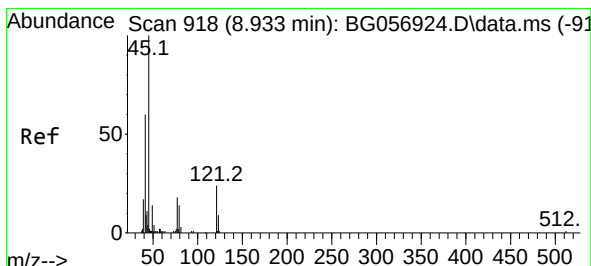
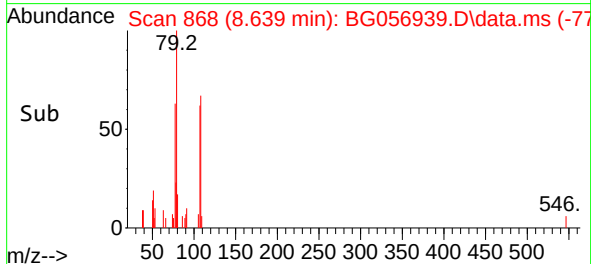
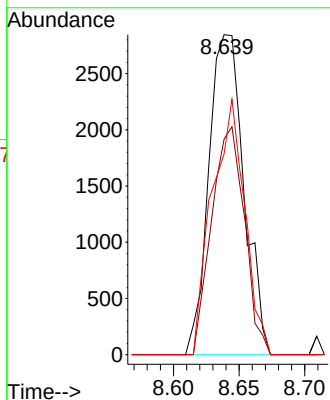
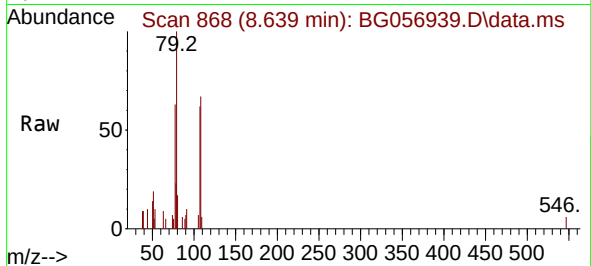
#15
Benzyl Alcohol
Concen: 4.655 ng
RT: 8.639 min Scan# 869
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion: 79	Resp: 530
Ion Ratio	Lower Upper
79 100	
108 67.4	51.2 76.8
77 62.8	54.4 81.6

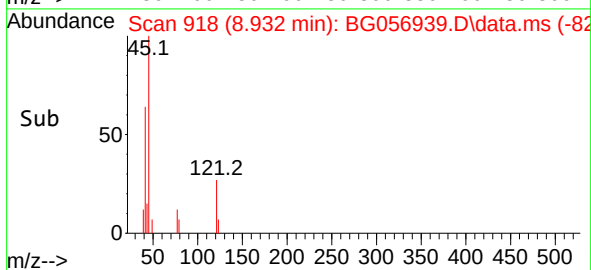
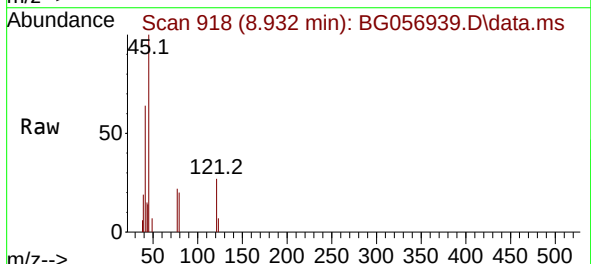
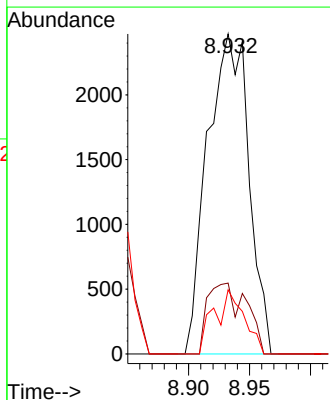
Manual Integrations
APPROVED

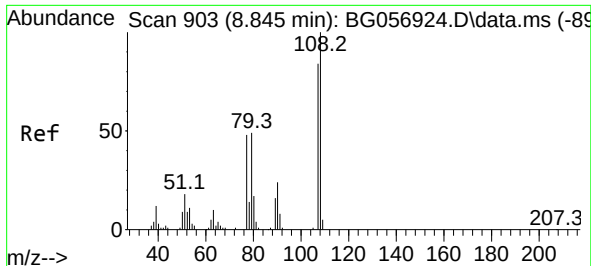
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.989 ng
RT: 8.932 min Scan# 918
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

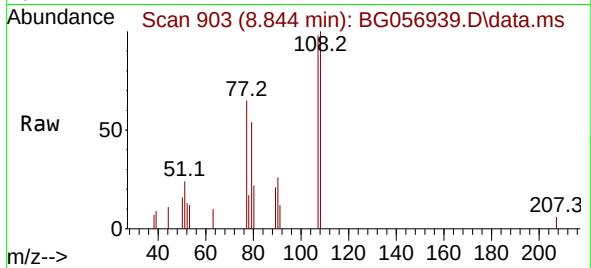
Tgt Ion: 45	Resp: 5823
Ion Ratio	Lower Upper
45 100	
77 22.1	0.0 38.7
79 20.0	0.0 35.1





#17
2-Methylphenol
Concen: 4.468 ng
RT: 8.844 min Scan# 903
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

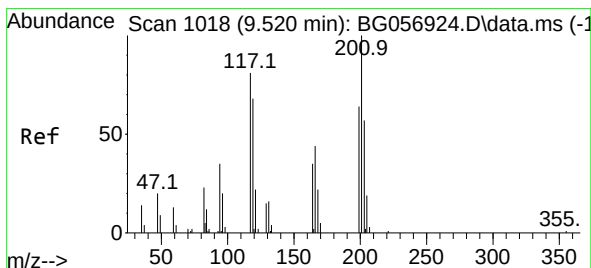
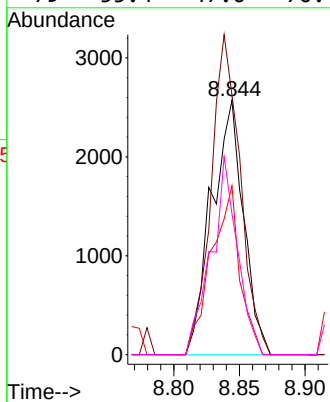
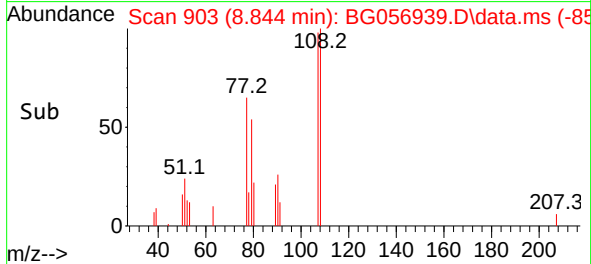
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2023



Tgt Ion:	107	Resp:	4334
Ion	Ratio	Lower	Upper
107	100		
108	102.1	96.0	144.0
77	66.4	45.6	68.4
79	55.4	47.0	70.4

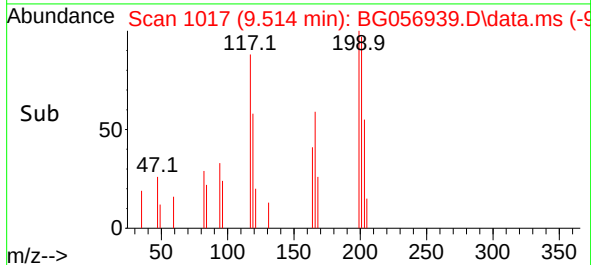
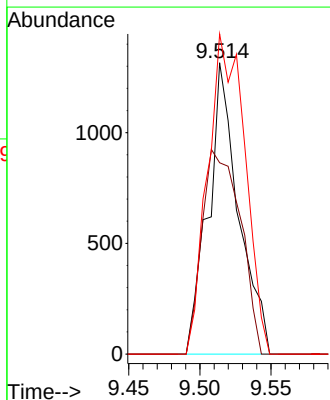
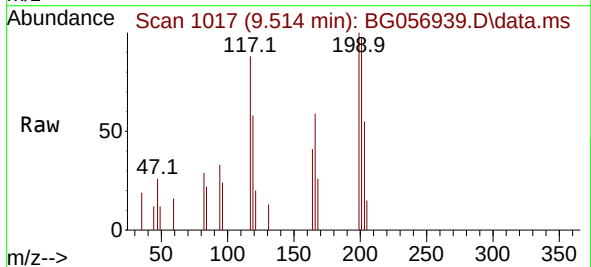
Manual Integrations
APPROVED

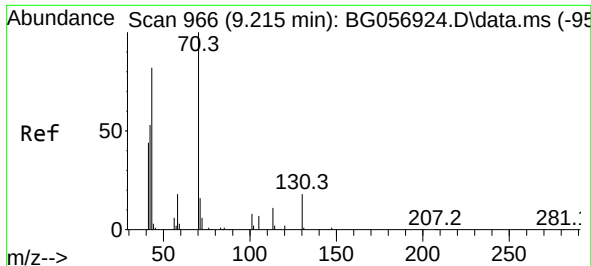
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#18
Hexachloroethane
Concen: 5.243 ng
RT: 9.514 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

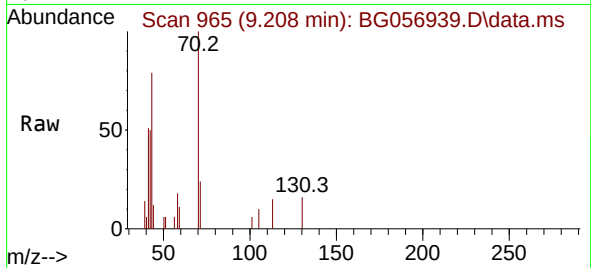
Tgt Ion:	117	Resp:	1953
Ion	Ratio	Lower	Upper
117	100		
119	65.7	67.0	100.6
201	109.9	98.7	148.1





#19
n-Nitroso-di-n-propylamine
Concen: 4.546 ng
RT: 9.208 min Scan# 910
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

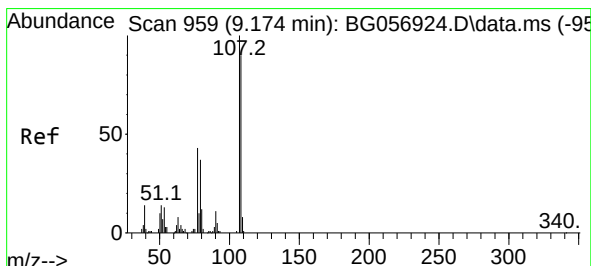
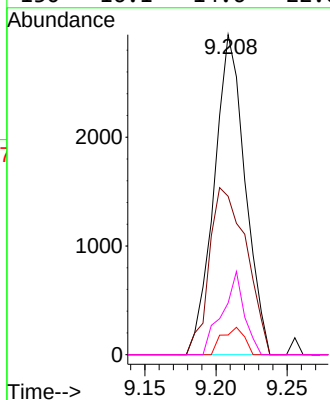
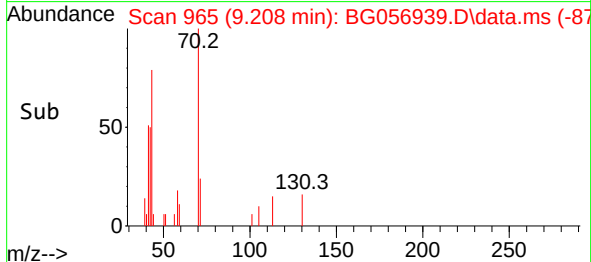
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 70 Resp: 4462
Ion Ratio Lower Upper
70 100
42 49.5 43.4 65.0
101 6.2 6.2 9.2
130 16.1 14.6 22.0

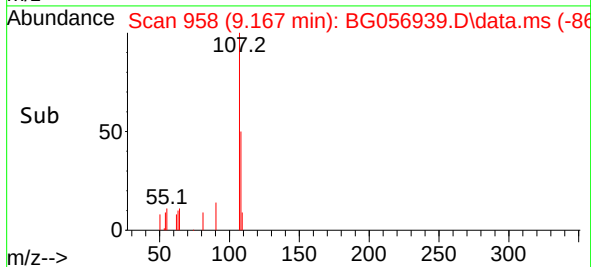
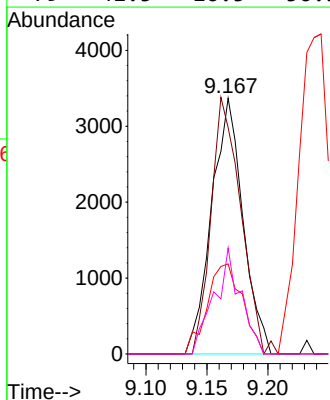
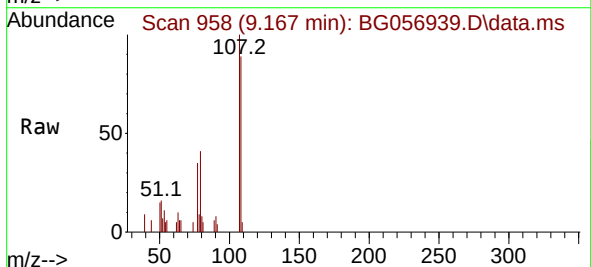
Manual Integrations
APPROVED

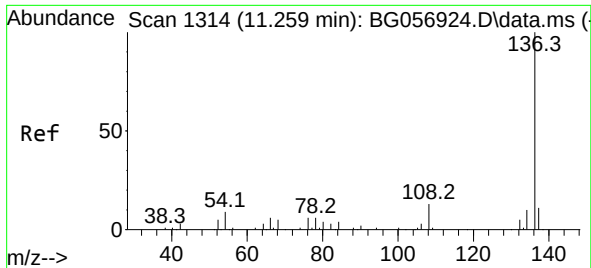
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#20
3+4-Methylphenols
Concen: 4.446 ng
RT: 9.167 min Scan# 958
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

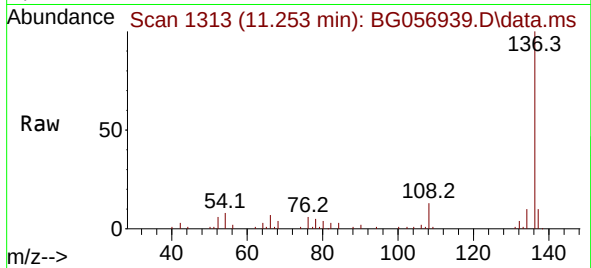
Tgt Ion:107 Resp: 6031
Ion Ratio Lower Upper
107 100
108 88.5 69.9 109.9
77 35.3 22.7 62.7
79 41.5 16.5 56.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.253 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

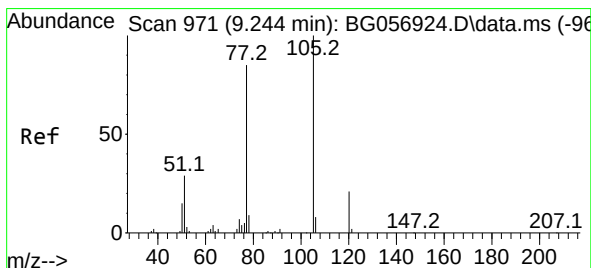
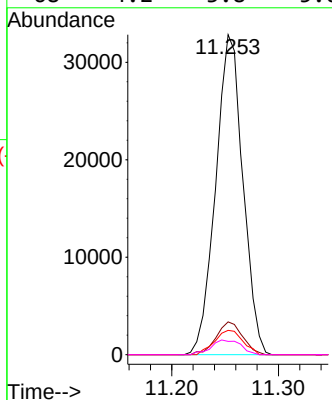
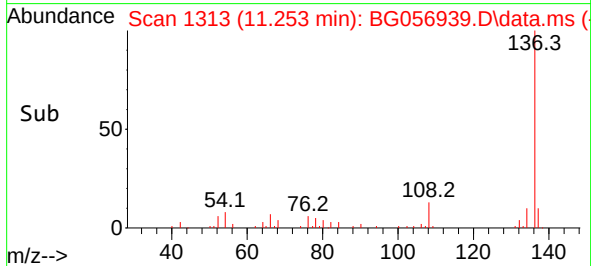
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



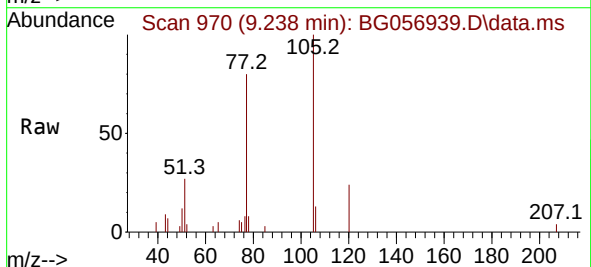
Tgt Ion:136 Resp: 58110
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 7.6 6.9 10.3
68 4.2 3.8 5.6

Manual Integrations
APPROVED

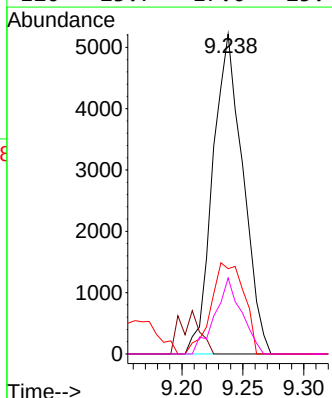
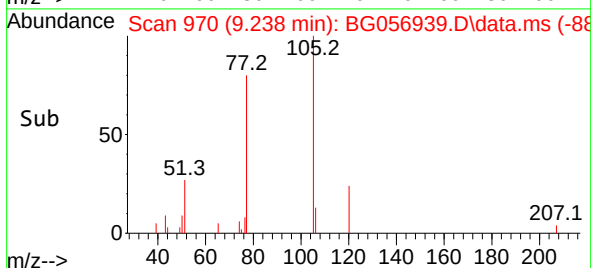
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

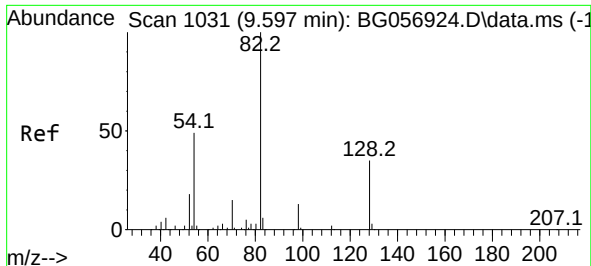


#22
Acetophenone
Concen: 5.195 ng
RT: 9.238 min Scan# 970
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53



Tgt Ion:105 Resp: 8982
Ion Ratio Lower Upper
105 100
71 0.0 0.7 1.1#
51 26.6 23.8 35.8
120 23.7 17.0 25.4





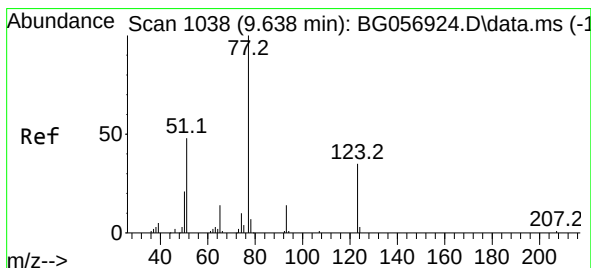
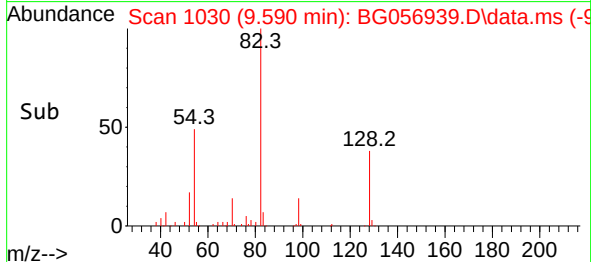
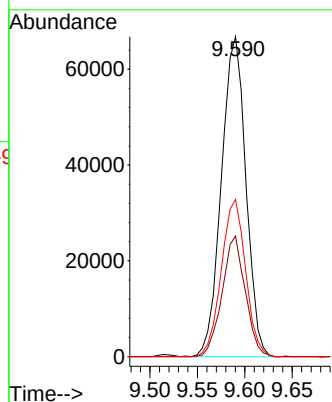
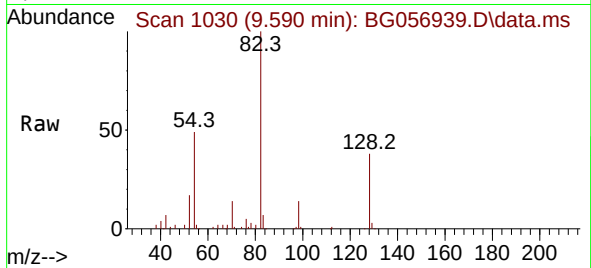
#23
Nitrobenzene-d5
Concen: 84.475 ng
RT: 9.590 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion: 82 Resp: 11996
Ion Ratio Lower Upper
82 100
128 37.7 27.9 41.9
54 49.1 39.4 59.2

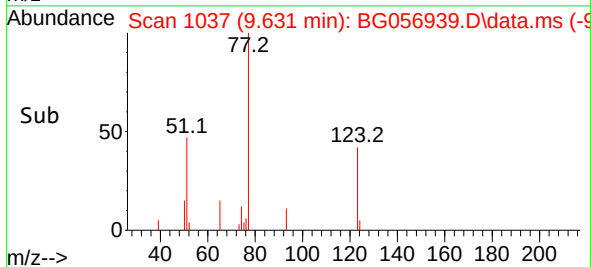
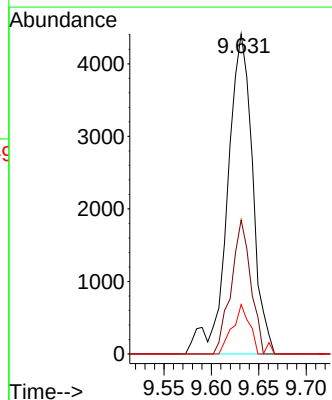
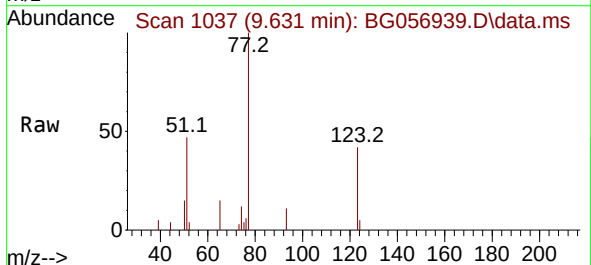
Manual Integrations
APPROVED

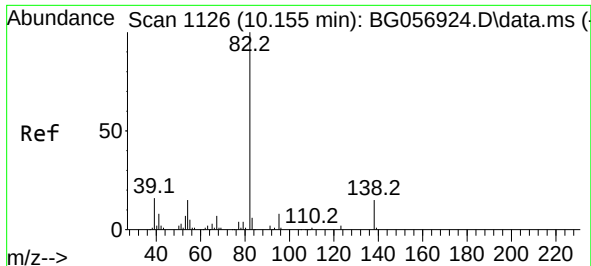
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#24
Nitrobenzene
Concen: 5.592 ng
RT: 9.631 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

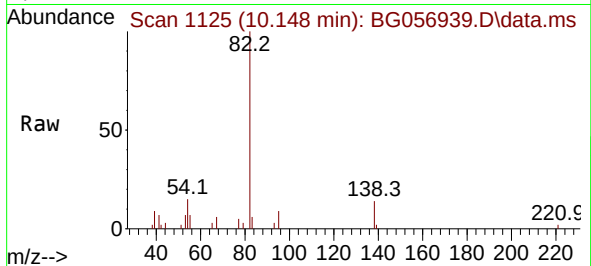
Tgt Ion: 77 Resp: 8120
Ion Ratio Lower Upper
77 100
123 41.9 27.6 41.4#
65 15.5 11.5 17.3





#25
Isophorone
Concen: 4.923 ng
RT: 10.148 min Scan# 1125
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

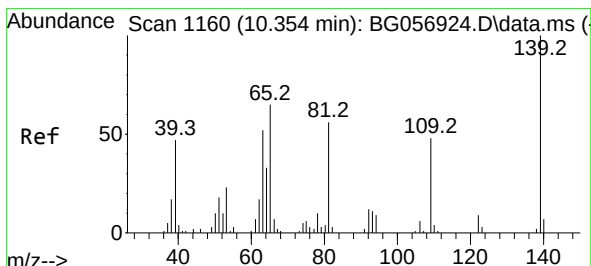
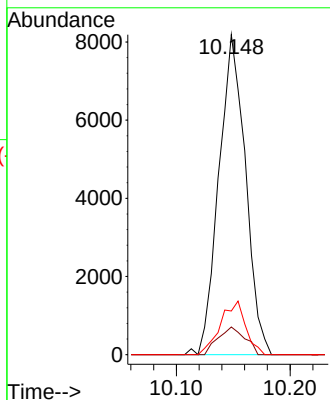
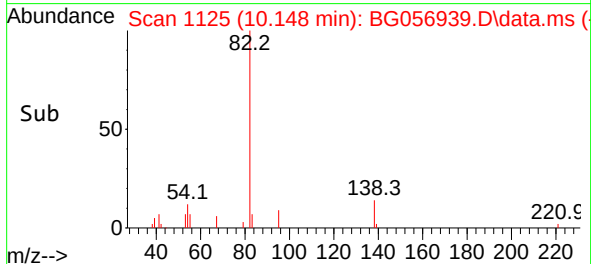
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 82 Resp: 13314
Ion Ratio Lower Upper
82 100
95 8.6 6.3 9.5
138 13.7 11.8 17.8

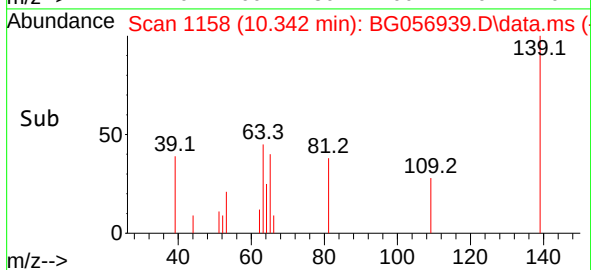
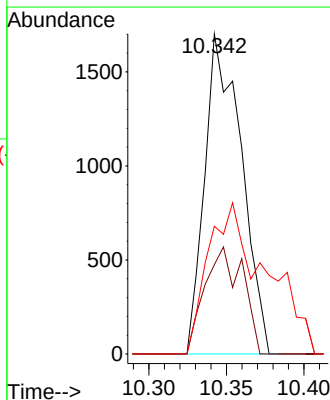
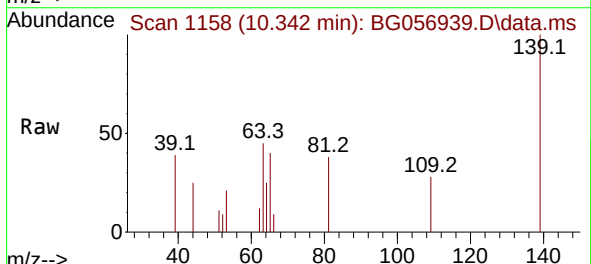
Manual Integrations
APPROVED

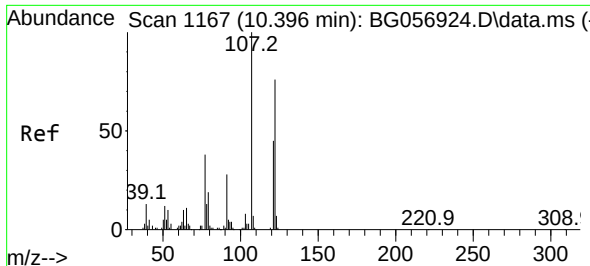
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#26
2-Nitrophenol
Concen: 4.975 ng
RT: 10.342 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

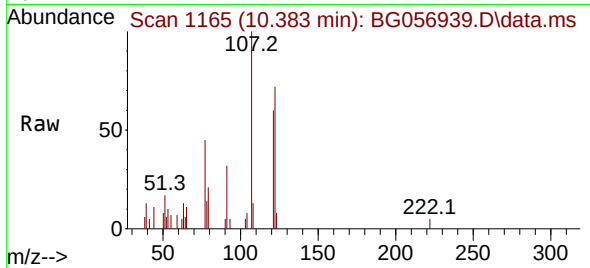
Tgt Ion:139 Resp: 2788
Ion Ratio Lower Upper
139 100
109 27.9 38.2 57.4#
65 39.9 51.8 77.8#





#27
2,4-Dimethylphenol
Concen: 4.719 ng
RT: 10.383 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

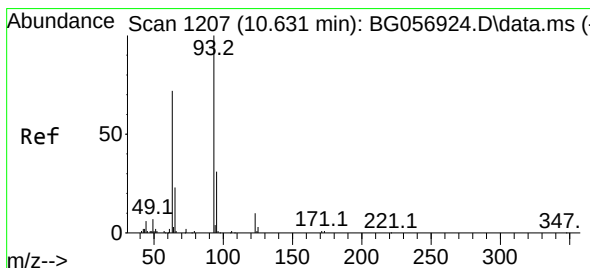
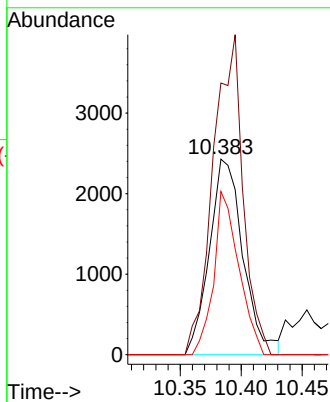
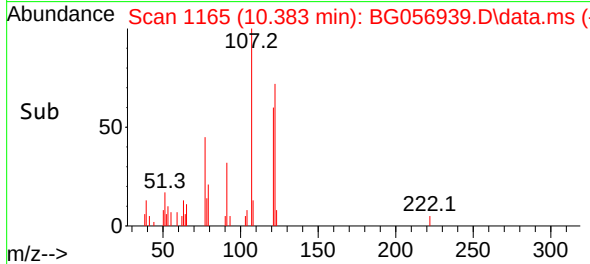
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:122 Resp: 4670
Ion Ratio Lower Upper
122 100
107 139.0 105.7 158.5
121 83.5 48.0 72.0

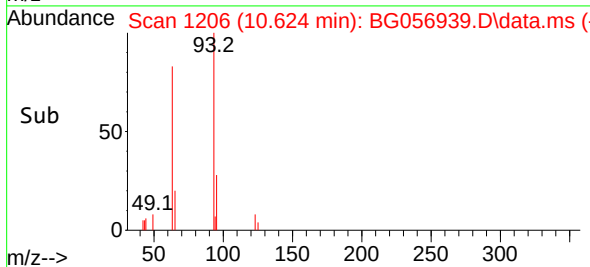
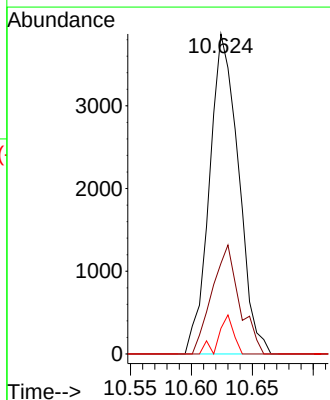
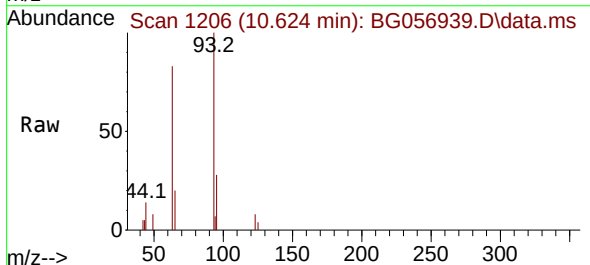
Manual Integrations
APPROVED

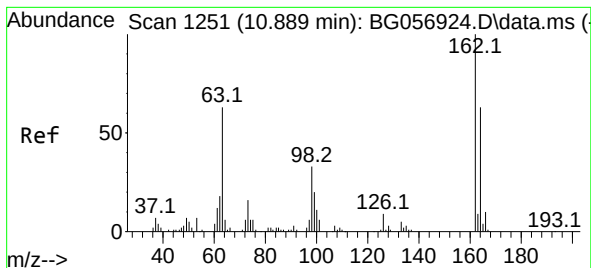
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#28
bis(2-Chloroethoxy)methane
Concen: 4.745 ng
RT: 10.624 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

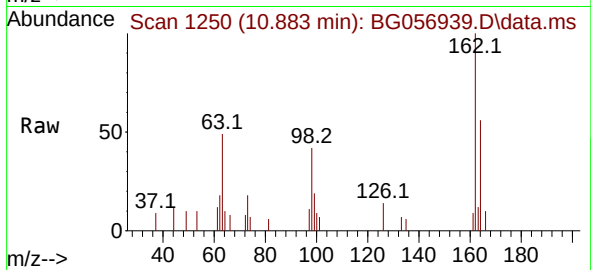
Tgt Ion: 93 Resp: 6425
Ion Ratio Lower Upper
93 100
95 28.3 24.6 37.0
123 8.0 7.8 11.6





#29
2,4-Dichlorophenol
Concen: 4.420 ng
RT: 10.883 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

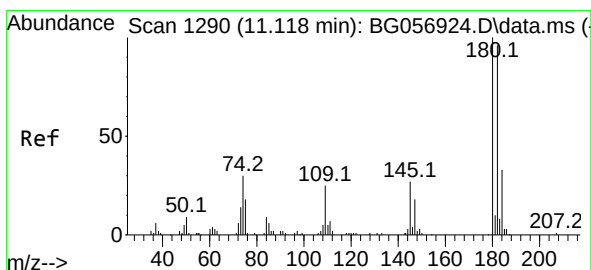
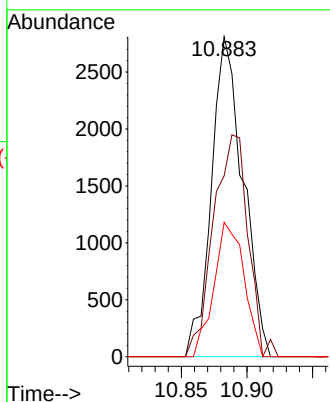
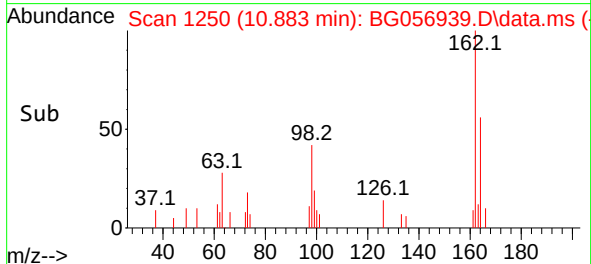
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



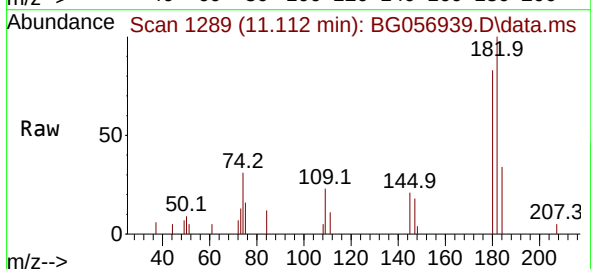
Tgt Ion:162 Resp: 4704
Ion Ratio Lower Upper
162 100
164 56.5 43.4 83.4
98 42.0 12.5 52.5

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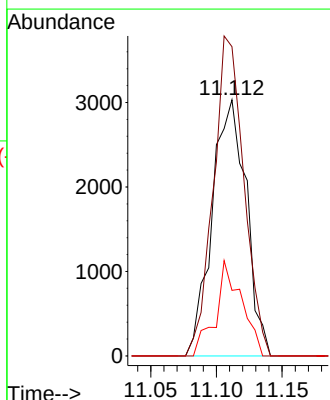
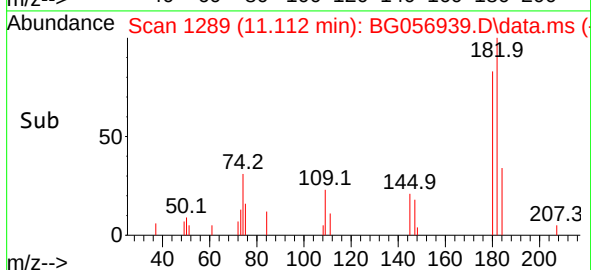
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

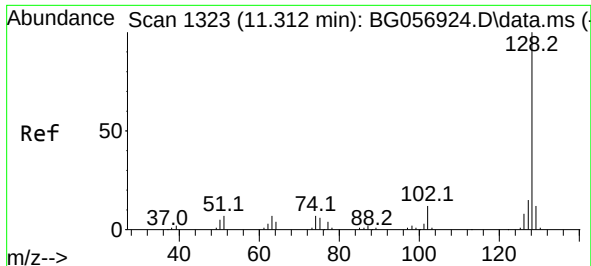


#30
1,2,4-Trichlorobenzene
Concen: 4.861 ng
RT: 11.112 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53



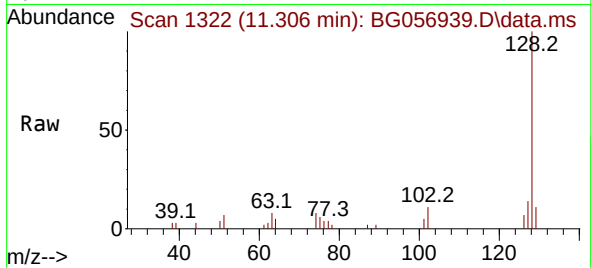
Tgt Ion:180 Resp: 5496
Ion Ratio Lower Upper
180 100
182 120.8 77.1 115.7#
145 25.6 21.3 31.9





#31
Naphthalene
Concen: 5.091 ng
RT: 11.306 min Scan# 11322
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

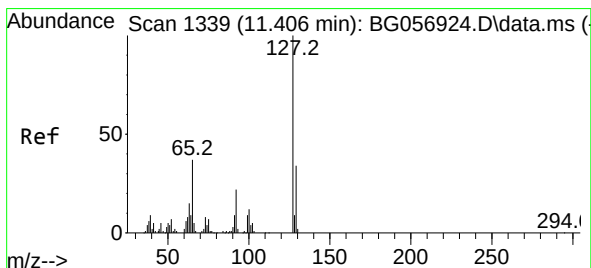
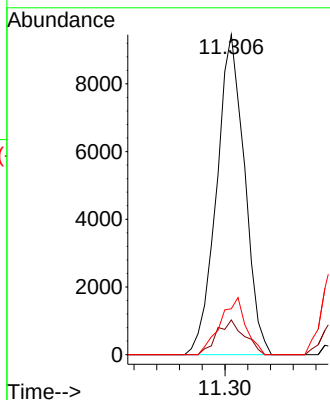
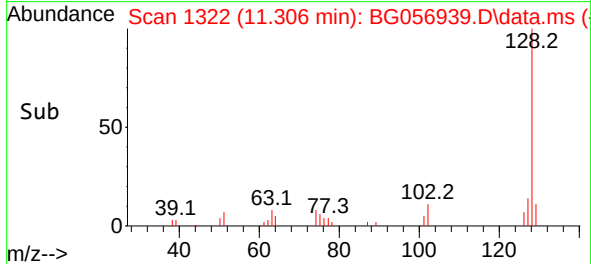
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:128 Resp: 16129
Ion Ratio Lower Upper
128 100
129 10.9 9.4 14.2
127 14.3 12.2 18.4

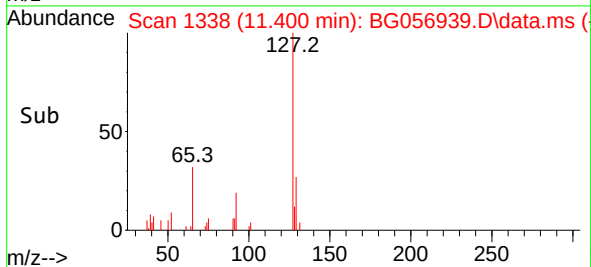
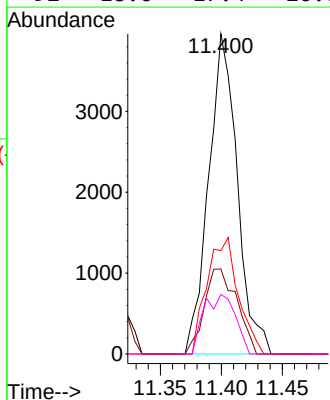
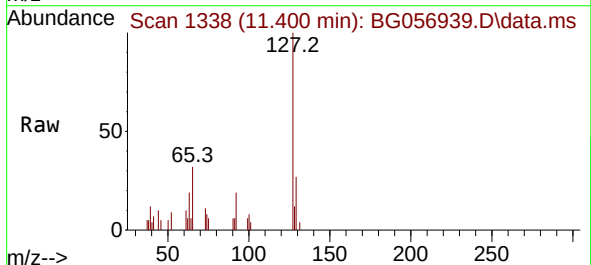
Manual Integrations
APPROVED

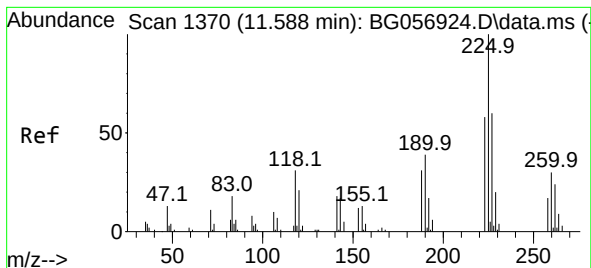
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#33
4-Chloroaniline
Concen: 4.517 ng
RT: 11.400 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

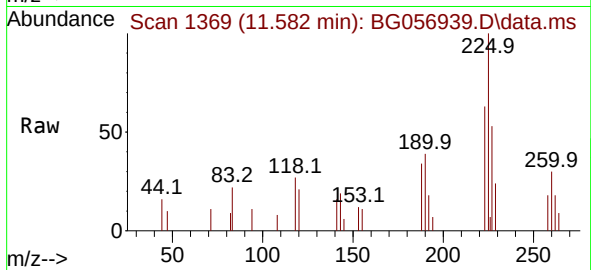
Tgt Ion:127 Resp: 6462
Ion Ratio Lower Upper
127 100
129 26.6 27.6 41.4#
65 32.3 29.8 44.8
92 18.6 17.4 26.0





#34
Hexachlorobutadiene
Concen: 5.085 ng
RT: 11.582 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

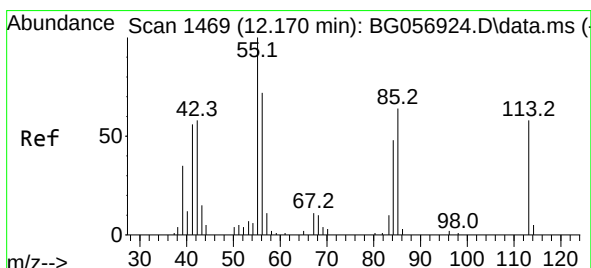
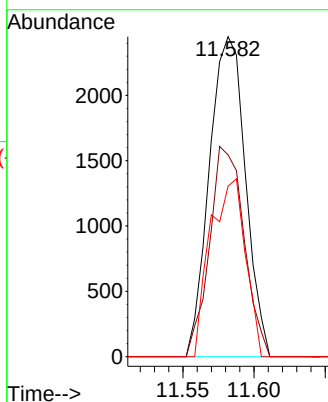
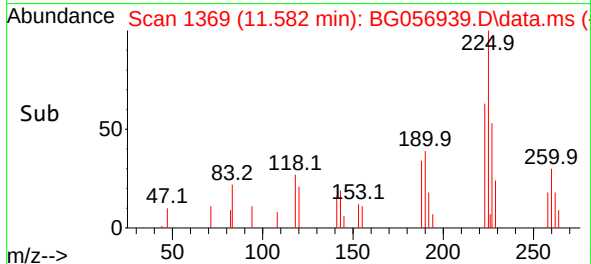
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2023



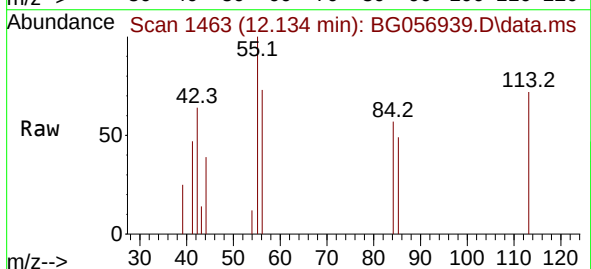
Tgt Ion:225 Resp: 4319
Ion Ratio Lower Upper
225 100
223 63.0 46.4 69.6
227 53.3 48.0 72.0

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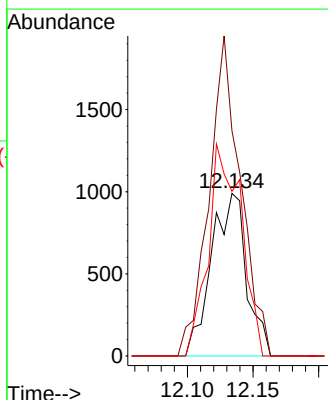
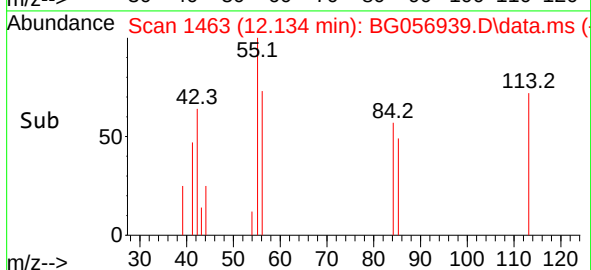
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

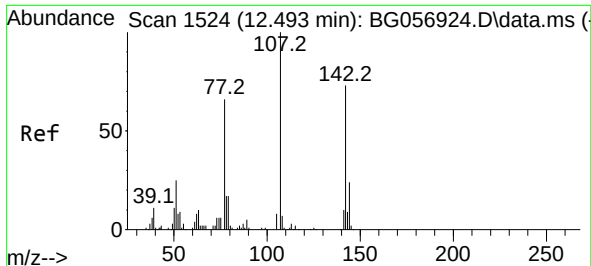


#35
Caprolactam
Concen: 5.014 ng
RT: 12.134 min Scan# 1463
Delta R.T. -0.036 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53



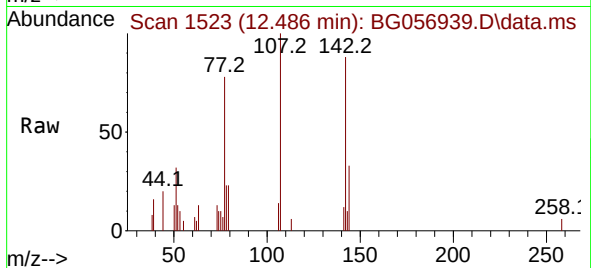
Tgt Ion:113 Resp: 1840
Ion Ratio Lower Upper
113 100
55 138.5 151.6 191.6#
56 101.2 103.7 143.7#





#36
4-Chloro-3-methylphenol
Concen: 4.305 ng
RT: 12.486 min Scan# 1523
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

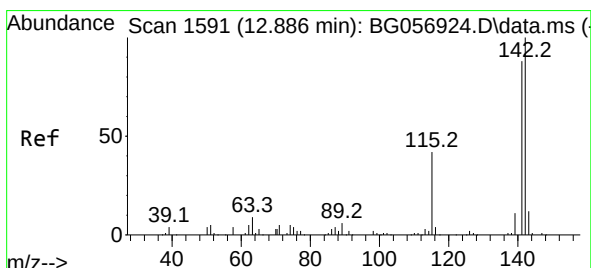
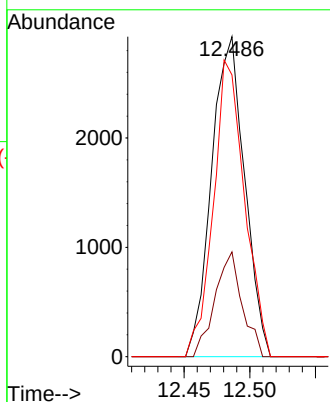
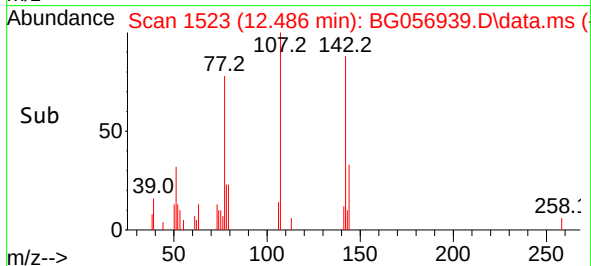
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



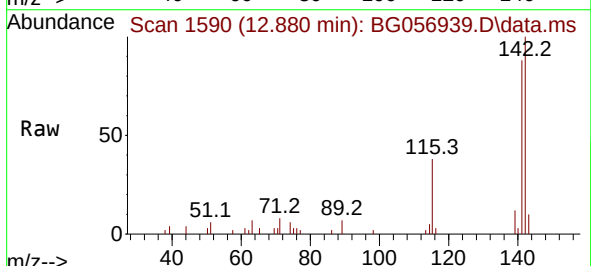
Tgt Ion:107 Resp: 512
Ion Ratio Lower Upper
107 100
144 32.8 19.0 28.4
142 88.0 58.6 88.0

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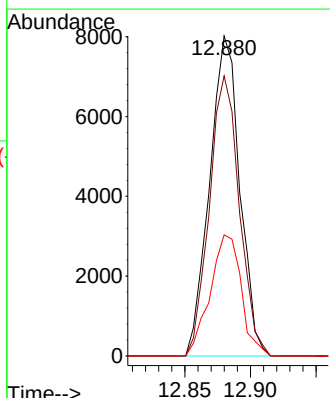
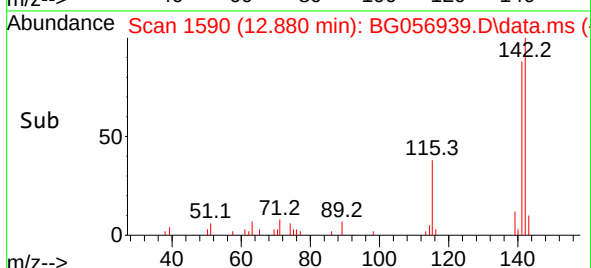
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

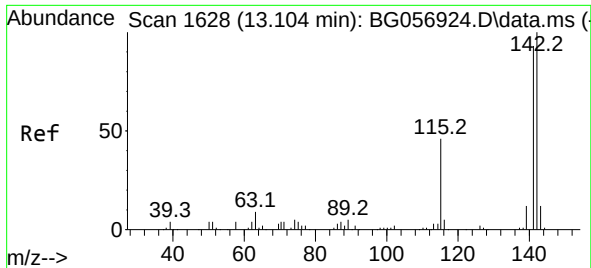


#37
2-Methylnaphthalene
Concen: 5.102 ng
RT: 12.880 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53



Tgt Ion:142 Resp: 12825
Ion Ratio Lower Upper
142 100
141 87.5 70.3 105.5
115 37.8 33.5 50.3





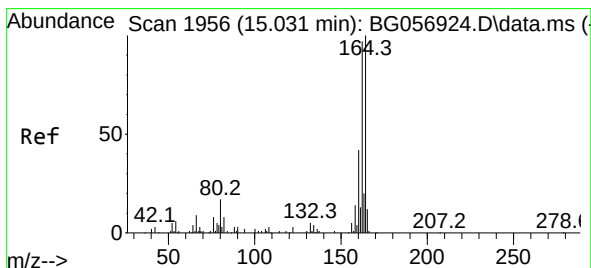
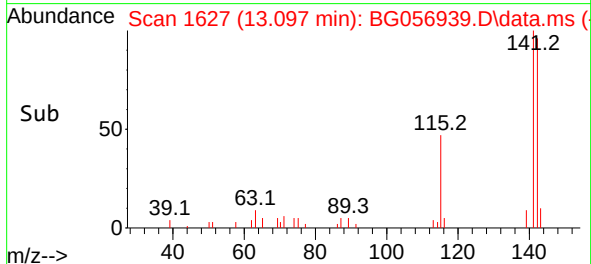
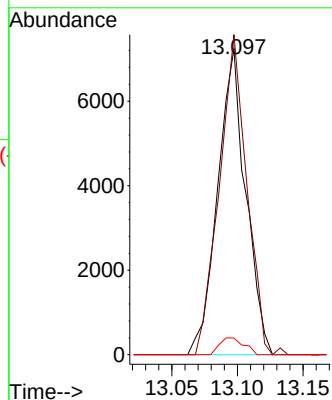
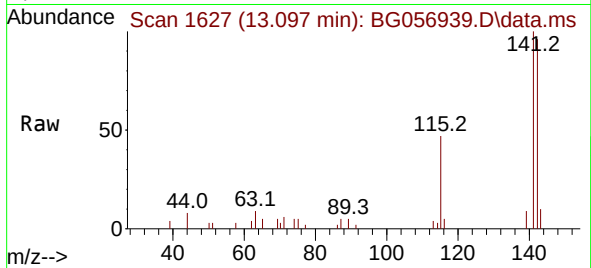
#38
1-Methylnaphthalene
Concen: 4.568 ng
RT: 13.097 min Scan# 1627
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2023

Tgt Ion:142 Resp: 1078
Ion Ratio Lower Upper
142 100
141 104.6 74.0 111.0
116 5.4 3.7 5.5

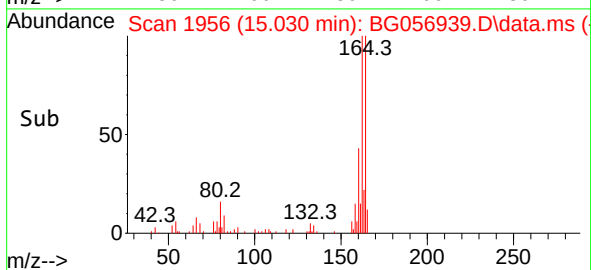
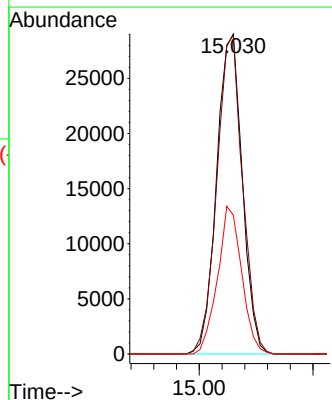
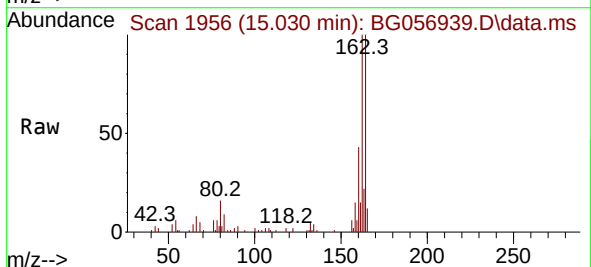
Manual Integrations
APPROVED

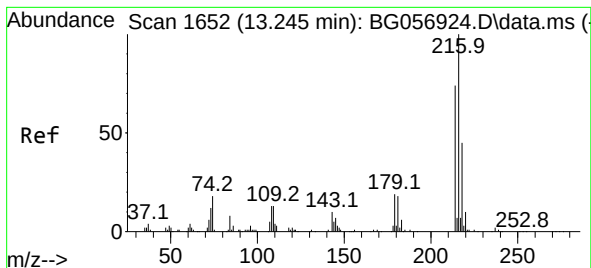
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.030 min Scan# 1956
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:164 Resp: 45233
Ion Ratio Lower Upper
164 100
162 99.6 77.8 116.8
160 43.4 33.5 50.3





#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.295 ng

RT: 13.238 min Scan# 1651

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:216 Resp: 830

Ion Ratio Lower Upper

216 100

214 77.2 63.3 94.9

179 18.2 15.0 22.6

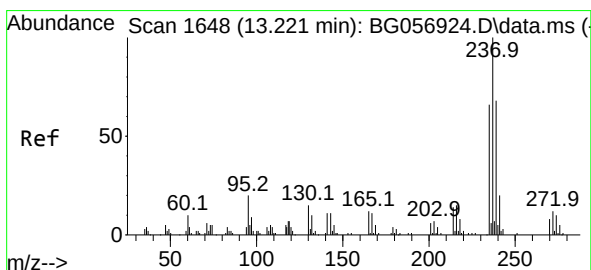
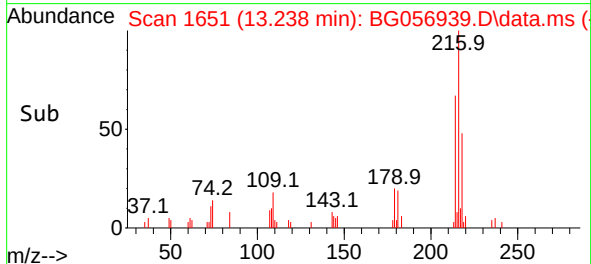
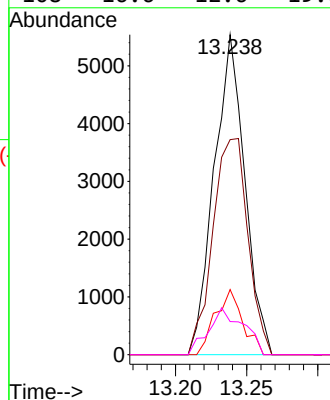
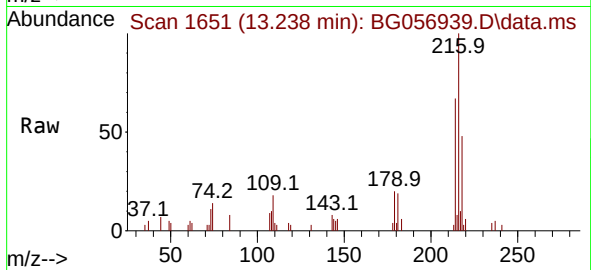
108 16.6 12.6 19.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#41

Hexachlorocyclopentadiene

Concen: 4.789 ng

RT: 13.215 min Scan# 1647

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

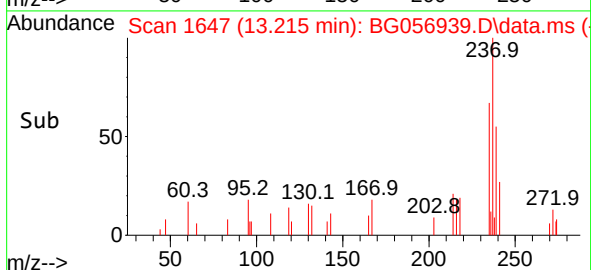
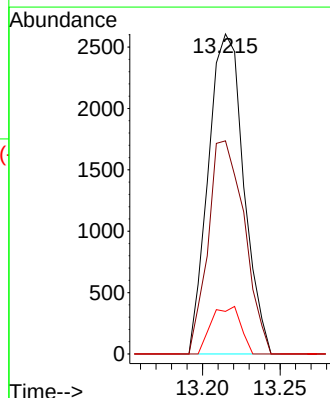
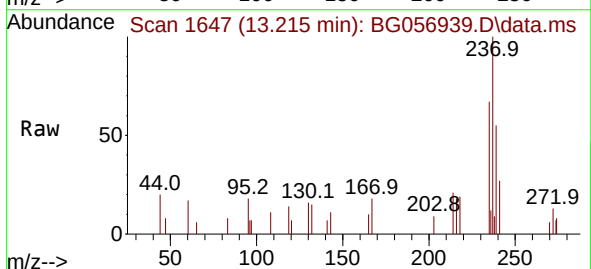
Tgt Ion:237 Resp: 4139

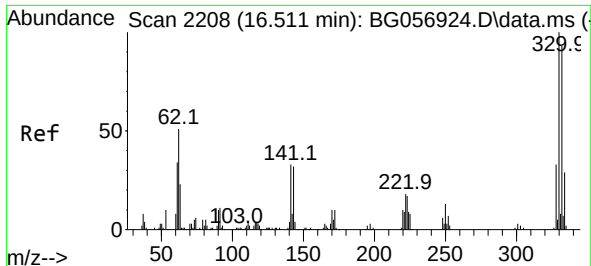
Ion Ratio Lower Upper

237 100

235 66.6 45.9 85.9

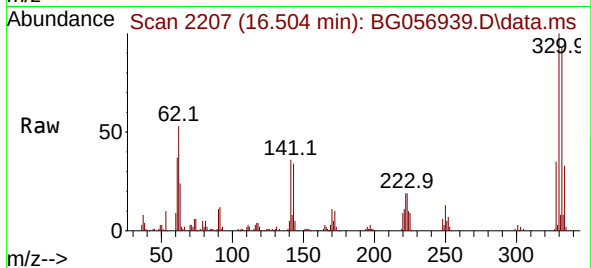
272 13.3 0.0 32.3





#42
2,4,6-Tribromophenol
Concen: 121.220 ng
RT: 16.504 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

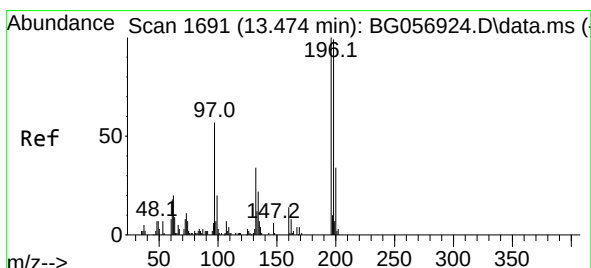
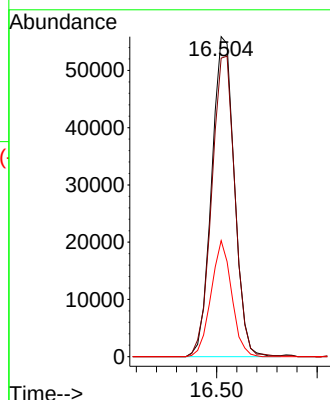
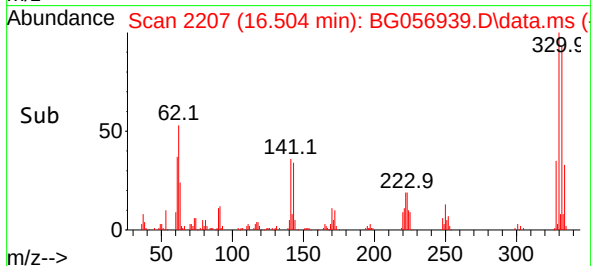
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



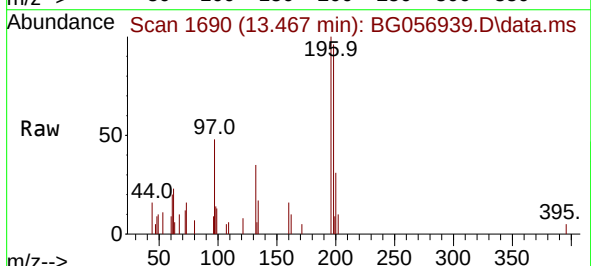
Tgt Ion:330 Resp: 8759
Ion Ratio Lower Upper
330 100
332 95.8 76.1 114.1
141 33.0 25.8 38.6

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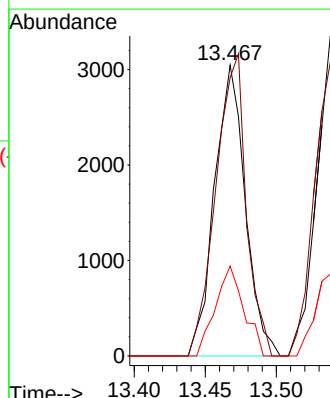
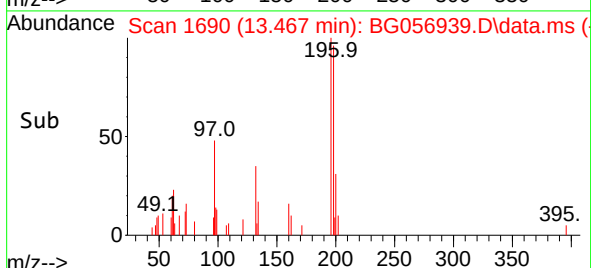
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

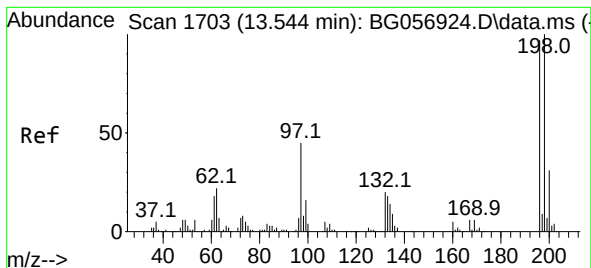


#43
2,4,6-Trichlorophenol
Concen: 4.593 ng
RT: 13.467 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53



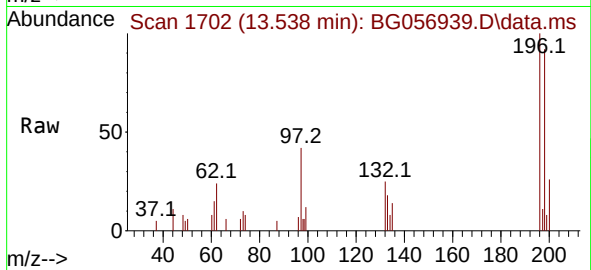
Tgt Ion:196 Resp: 4597
Ion Ratio Lower Upper
196 100
198 95.7 79.1 118.7
200 30.9 27.2 40.8





#44
2,4,5-Trichlorophenol
Concen: 4.247 ng
RT: 13.538 min Scan# 1702
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

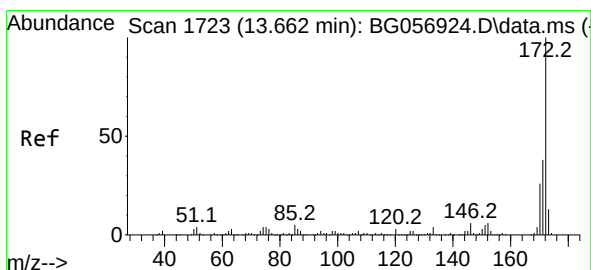
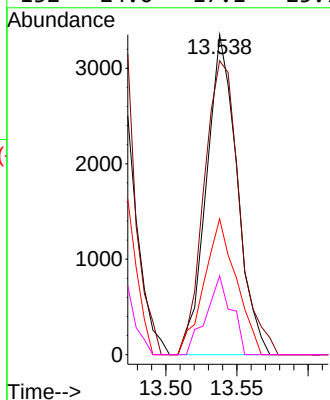
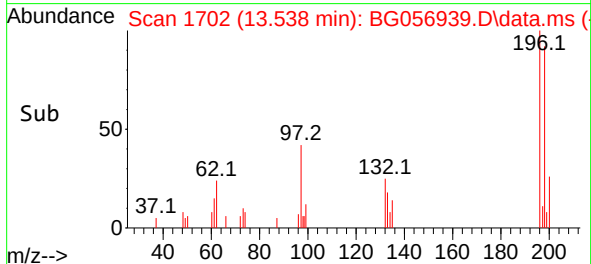
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



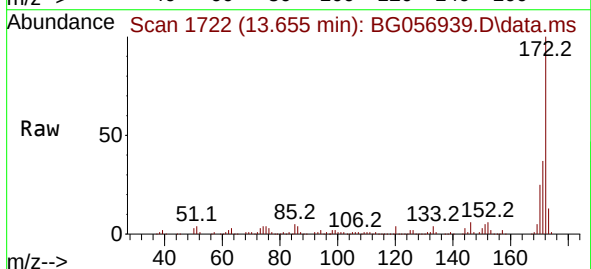
Tgt Ion:196 Resp: 5030
Ion Ratio Lower Upper
196 100
198 91.9 82.5 123.7
97 42.4 37.0 55.6
132 24.6 17.1 25.7

Manual Integrations
APPROVED

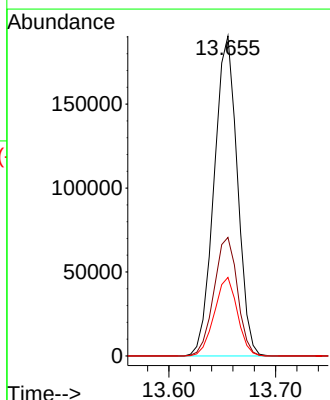
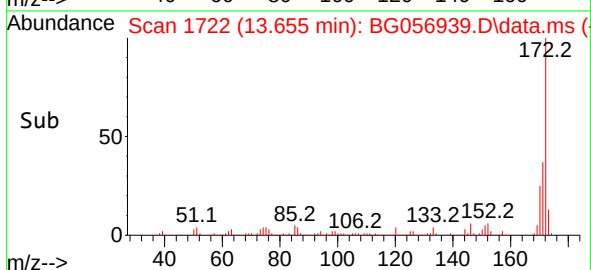
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

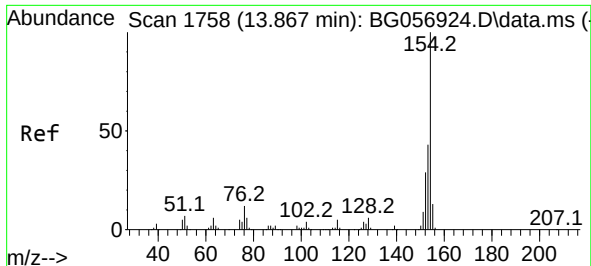


#45
2-Fluorobiphenyl
Concen: 86.429 ng
RT: 13.655 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53



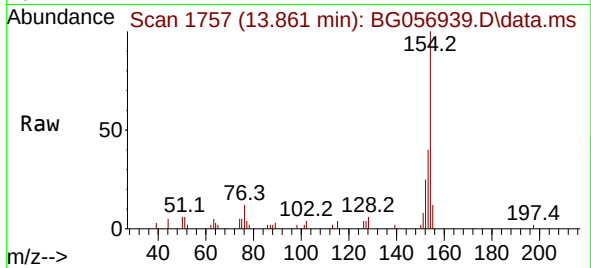
Tgt Ion:172 Resp: 288306
Ion Ratio Lower Upper
172 100
171 37.1 30.6 46.0
170 24.6 20.6 30.8





#46
1,1'-Biphenyl
Concen: 5.418 ng
RT: 13.861 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

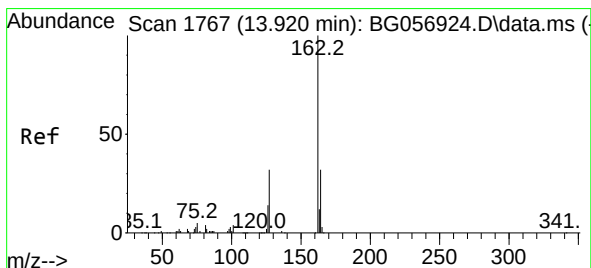
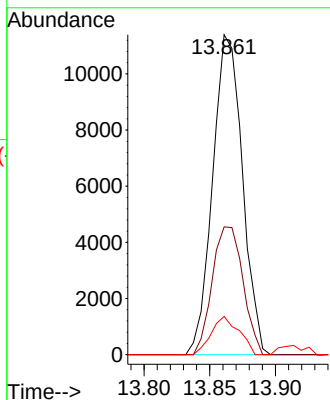
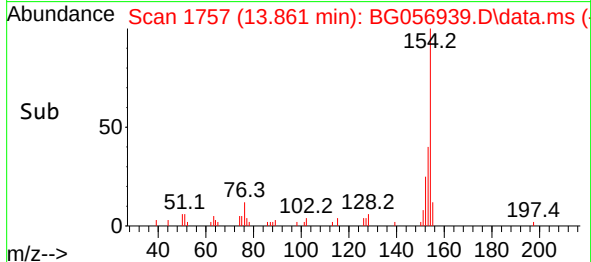
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



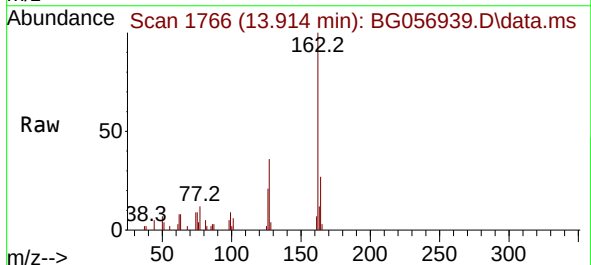
Tgt Ion:154 Resp: 17939
Ion Ratio Lower Upper
154 100
153 39.9 23.4 63.4
76 11.9 0.0 31.6

Manual Integrations
APPROVED

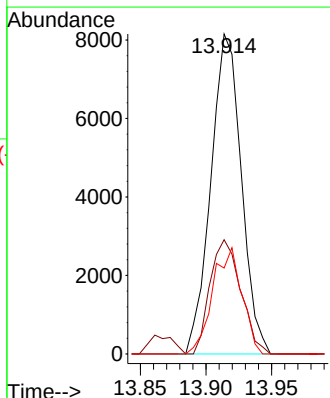
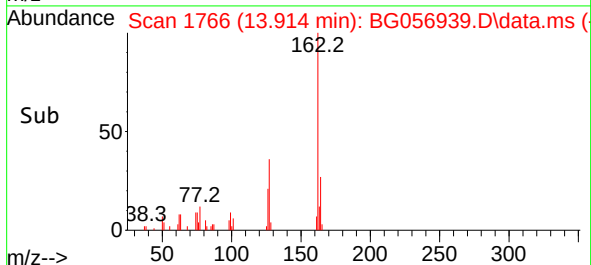
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

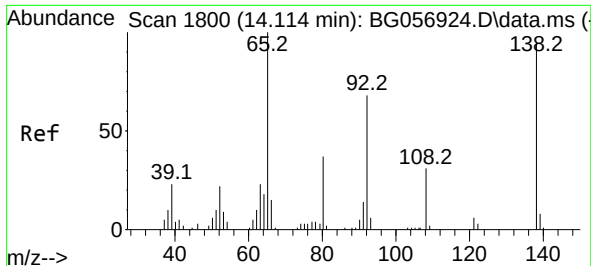


#47
2-Chloronaphthalene
Concen: 5.379 ng
RT: 13.914 min Scan# 1766
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53



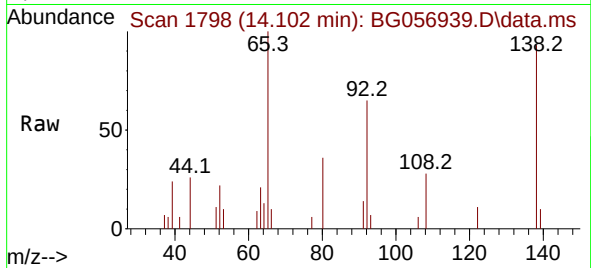
Tgt Ion:162 Resp: 13174
Ion Ratio Lower Upper
162 100
127 35.7 29.5 44.3
164 26.8 25.5 38.3





#48
2-Nitroaniline
Concen: 5.080 ng
RT: 14.102 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

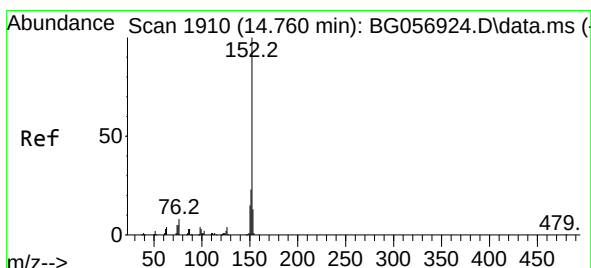
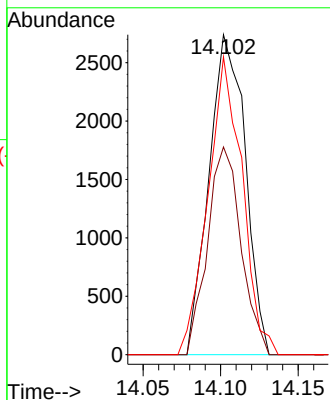
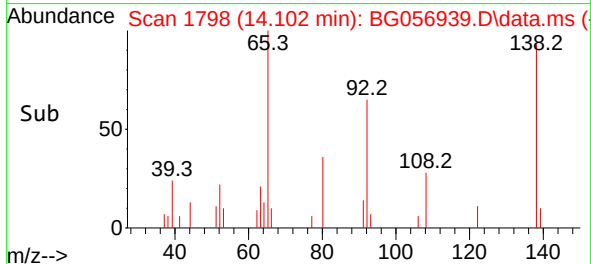
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 65 Resp: 444
Ion Ratio Lower Upper
65 100
92 64.9 54.3 81.5
138 93.1 76.0 114.0

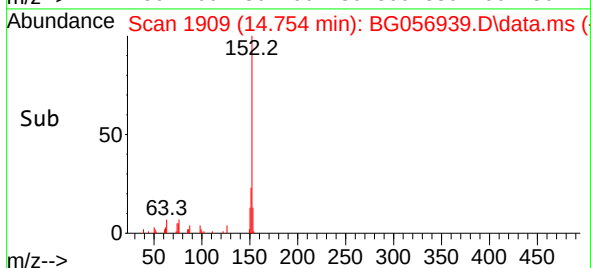
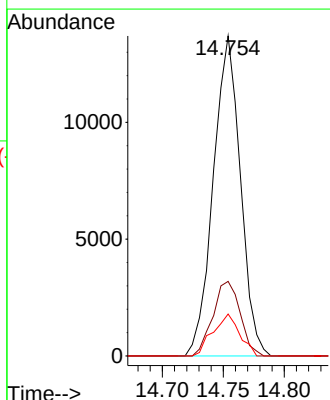
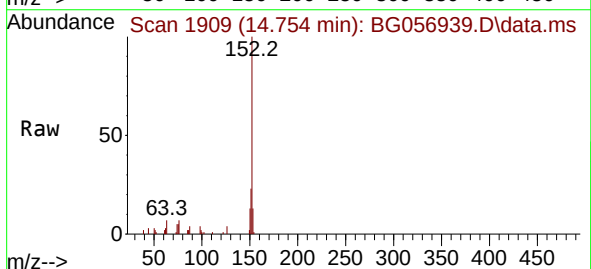
Manual Integrations
APPROVED

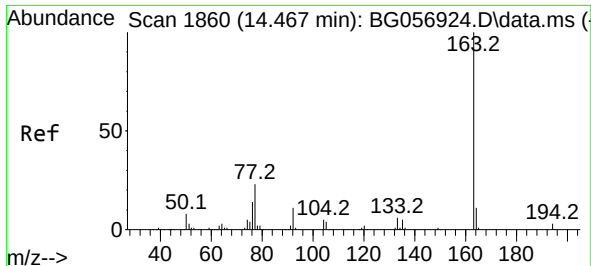
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#49
Acenaphthylene
Concen: 5.263 ng
RT: 14.754 min Scan# 1909
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

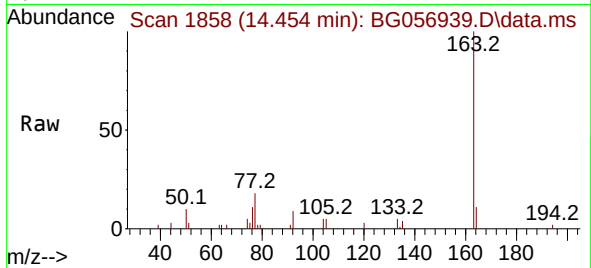
Tgt Ion:152 Resp: 21178
Ion Ratio Lower Upper
152 100
151 23.3 18.2 27.2
153 13.1 10.5 15.7





#50
Dimethylphthalate
Concen: 5.130 ng
RT: 14.454 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

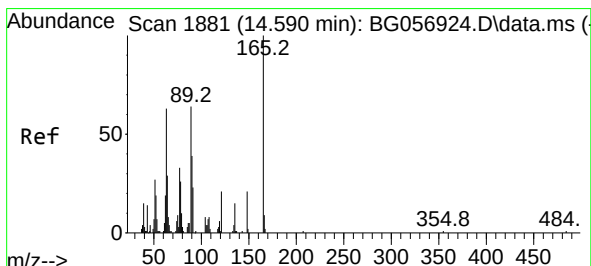
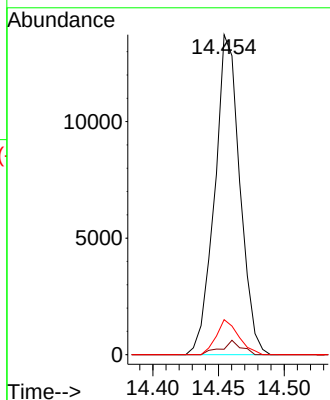
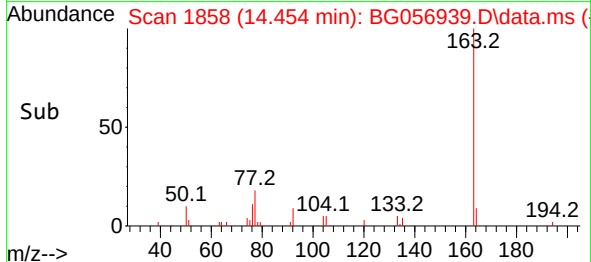
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:163 Resp: 1828
Ion Ratio Lower Upper
163 100
194 1.7 2.8 4.2
164 10.9 8.8 13.2

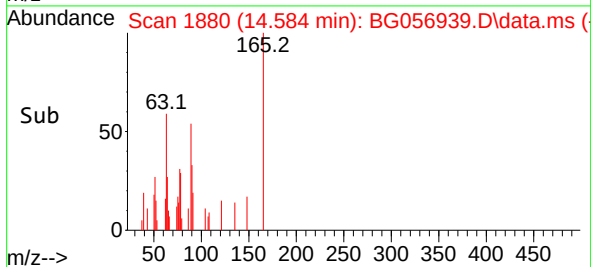
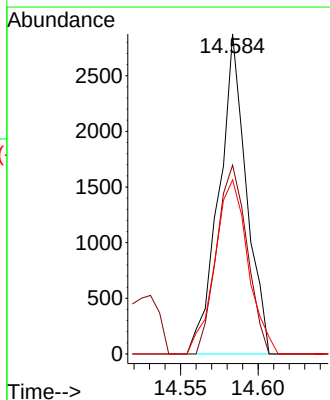
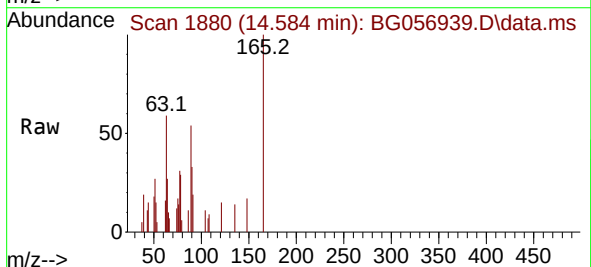
Manual Integrations
APPROVED

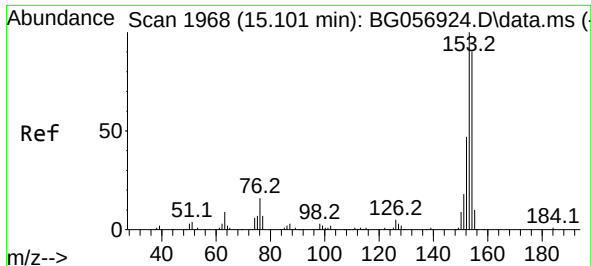
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#51
2,6-Dinitrotoluene
Concen: 4.588 ng
RT: 14.584 min Scan# 1880
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

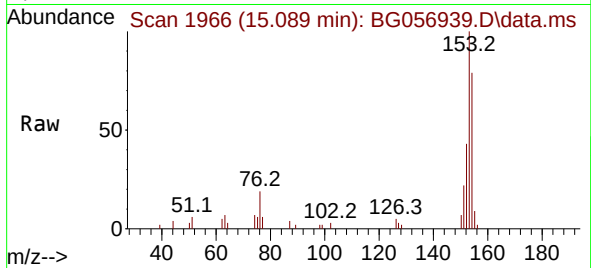
Tgt Ion:165 Resp: 3533
Ion Ratio Lower Upper
165 100
63 59.0 53.0 79.6
89 54.4 51.0 76.4





#52
Acenaphthene
Concen: 4.899 ng
RT: 15.089 min Scan# 1966
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

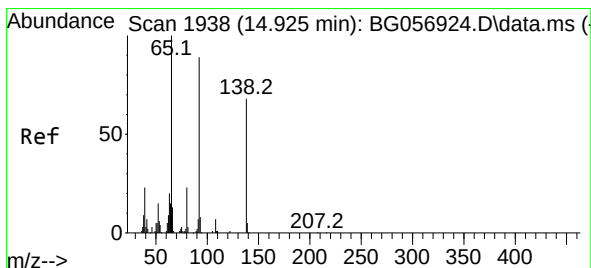
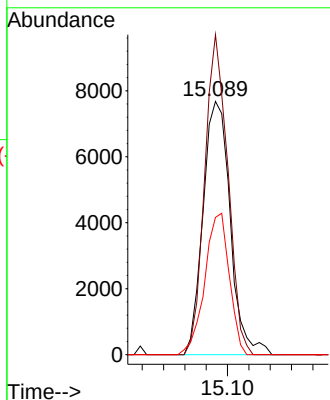
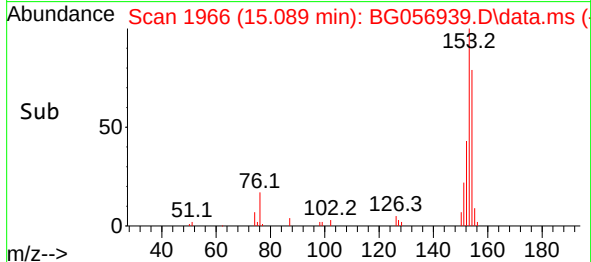
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2023



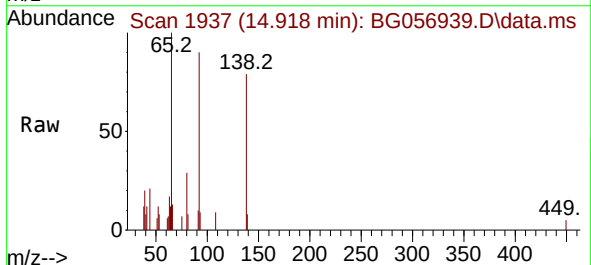
Tgt Ion:154 Resp: 1359
Ion Ratio Lower Upper
154 100
153 126.3 88.9 133.3
152 54.2 41.8 62.8

Manual Integrations
APPROVED

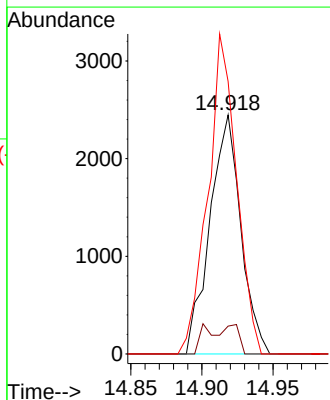
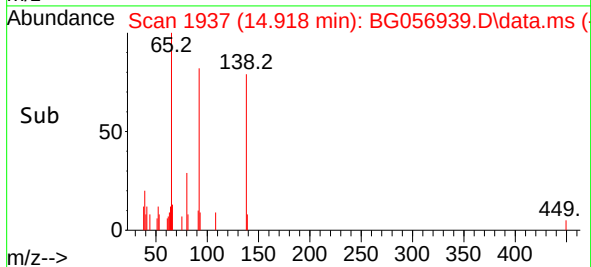
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

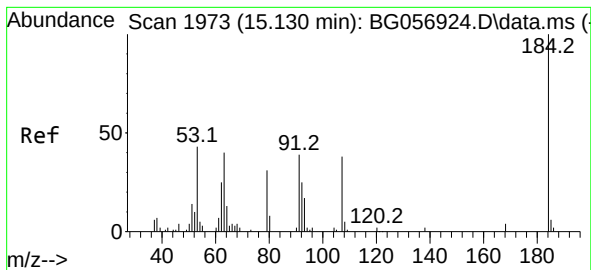


#53
3-Nitroaniline
Concen: 4.850 ng
RT: 14.918 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53



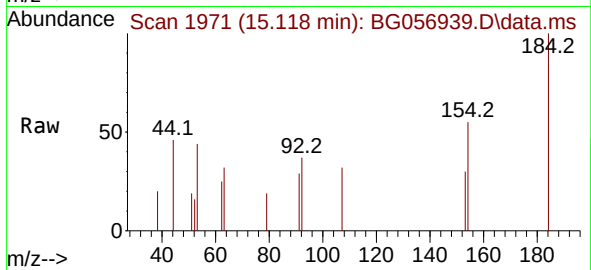
Tgt Ion:138 Resp: 3697
Ion Ratio Lower Upper
138 100
108 11.6 8.2 12.2
92 114.0 105.2 157.8





#54
2,4-Dinitrophenol
Concen: 2.579 ng
RT: 15.118 min Scan# 1973
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

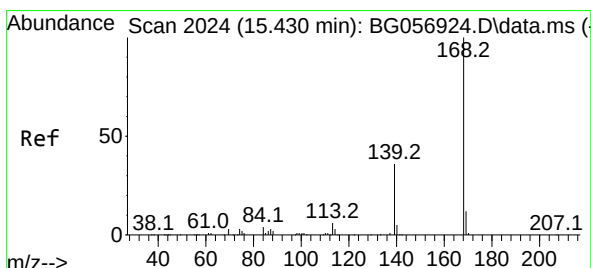
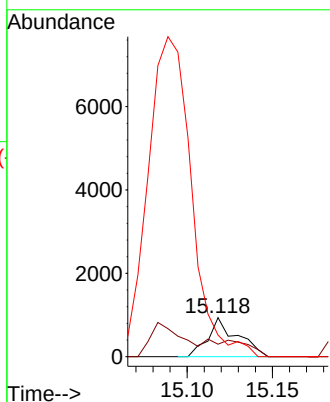
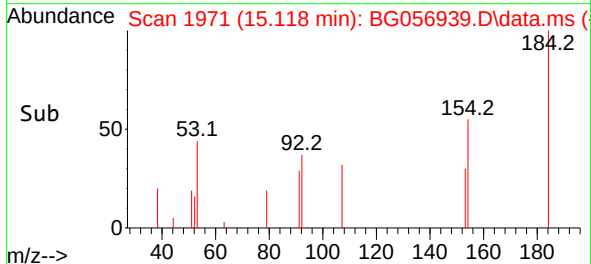
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2023



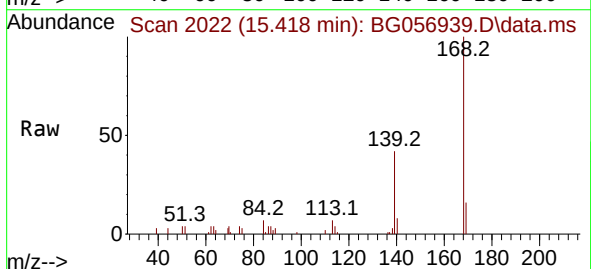
Tgt Ion:184 Resp: 1118
Ion Ratio Lower Upper
184 100
63 32.0 46.5 69.7
154 55.2 53.5 80.3

Manual Integrations
APPROVED

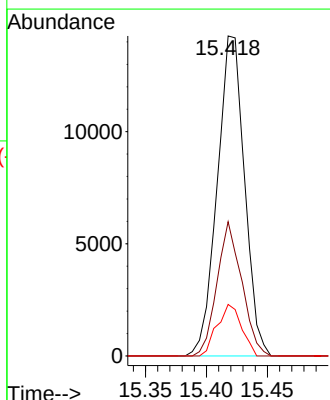
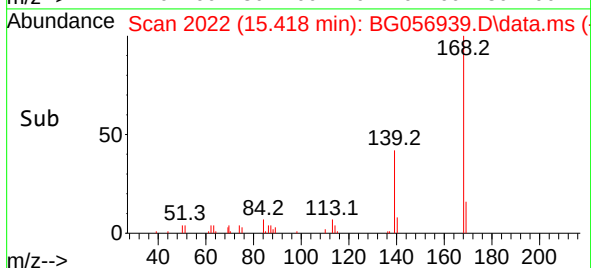
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

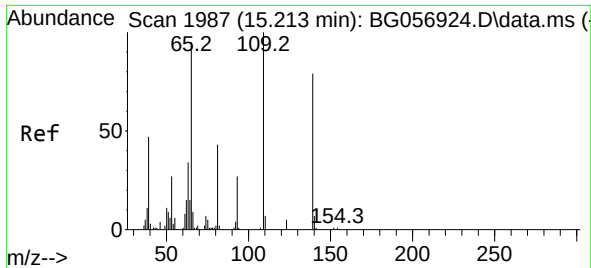


#55
Dibenzofuran
Concen: 5.337 ng
RT: 15.418 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53



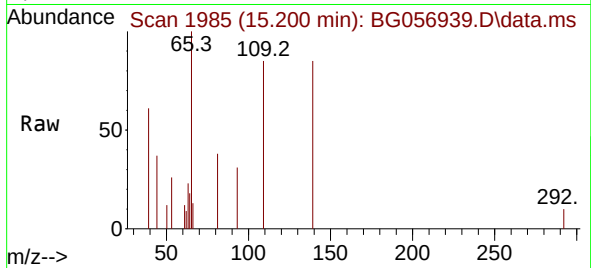
Tgt Ion:168 Resp: 22228
Ion Ratio Lower Upper
168 100
139 41.9 28.9 43.3
169 16.1 9.8 14.6#





#56
4-Nitrophenol
Concen: 4.413 ng
RT: 15.200 min Scan# 1987
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

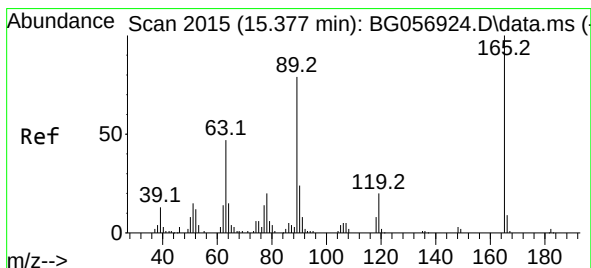
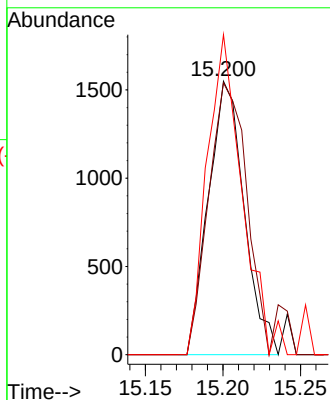
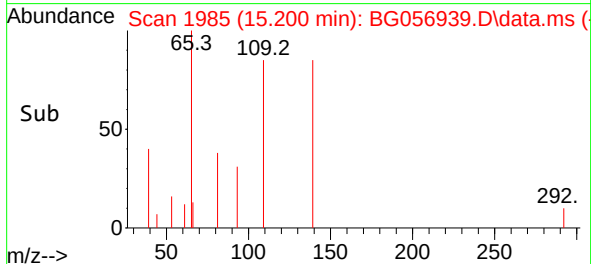
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:139 Resp: 248
Ion Ratio Lower Upper
139 100
109 99.4 106.7 146.7
65 117.0 100.5 140.5

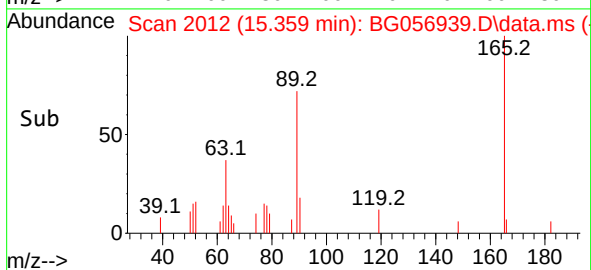
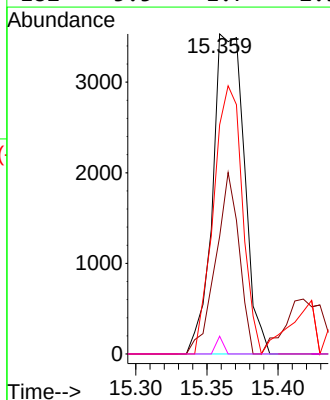
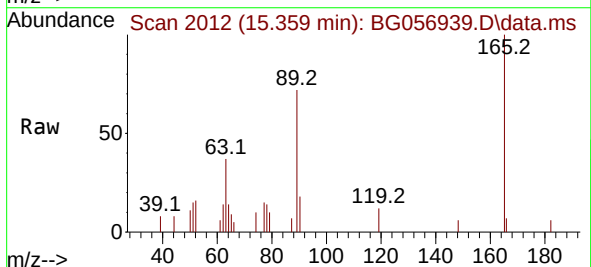
Manual Integrations
APPROVED

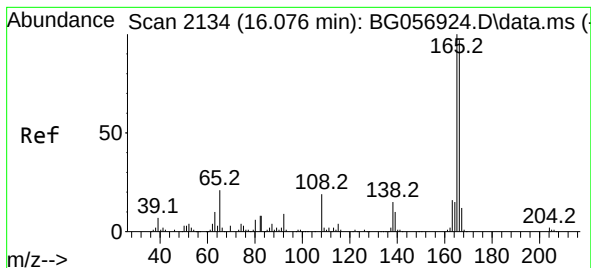
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#57
2,4-Dinitrotoluene
Concen: 5.037 ng
RT: 15.359 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:165 Resp: 5470
Ion Ratio Lower Upper
165 100
63 36.7 37.7 56.5#
89 71.6 63.2 94.8
182 5.5 1.7 2.5#





#58

Fluorene

Concen: 5.386 ng

RT: 16.064 min Scan# 2134

Delta R.T. -0.012 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

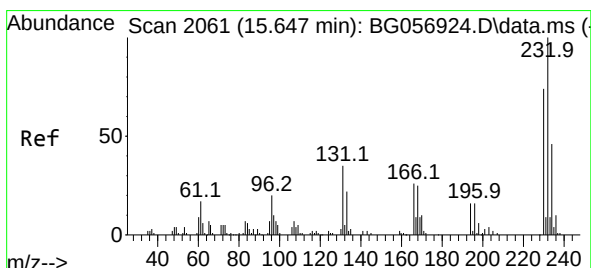
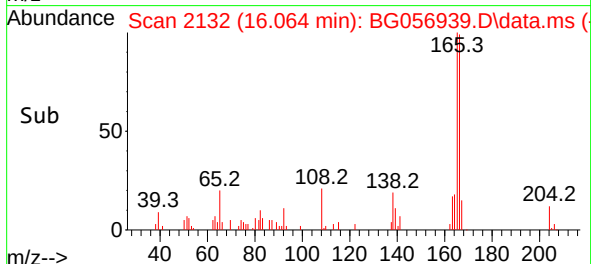
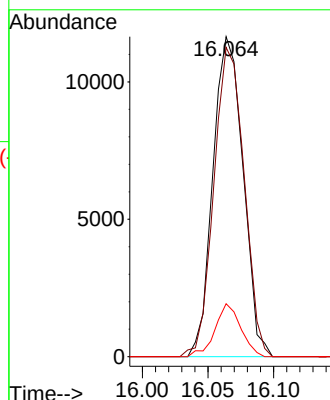
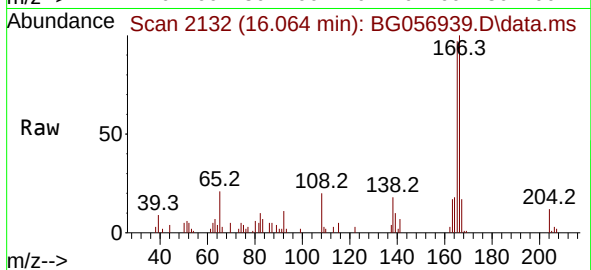
Tgt Ion:166	Resp:	1856
Ion Ratio	Lower	Upper
166	100	
165	96.6	82.6 123.8
167	16.5	10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.785 ng

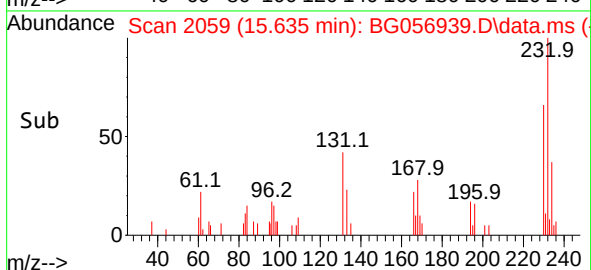
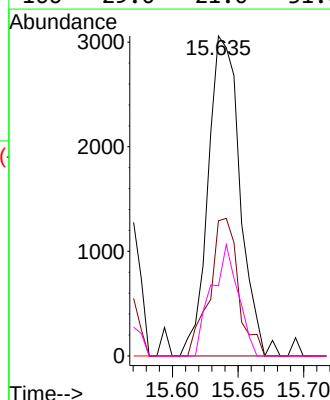
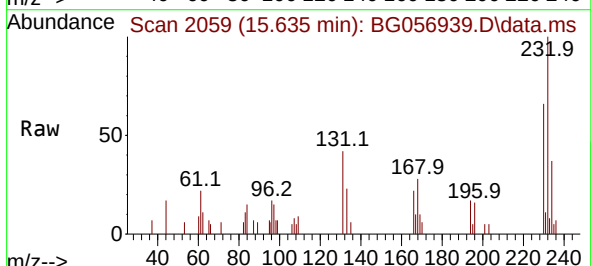
RT: 15.635 min Scan# 2059

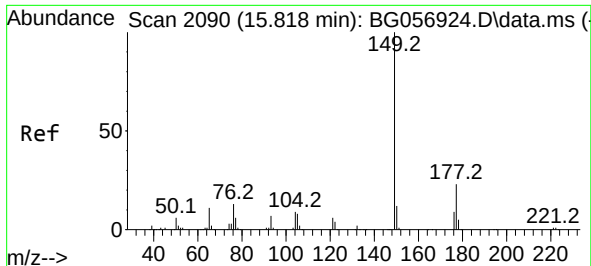
Delta R.T. -0.012 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

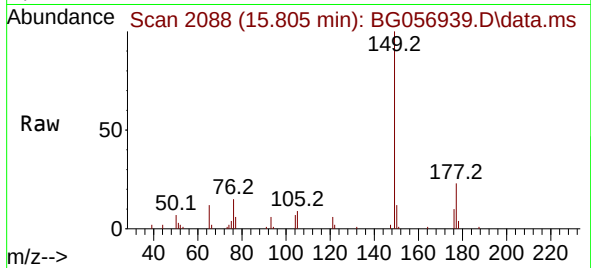
Tgt Ion:232	Resp:	5166
Ion Ratio	Lower	Upper
232	100	
131	38.6	29.3 43.9
130	0.0	1.7 2.5
166	29.0	21.0 31.6





#60
Diethylphthalate
Concen: 5.186 ng
RT: 15.805 min Scan# 2090
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

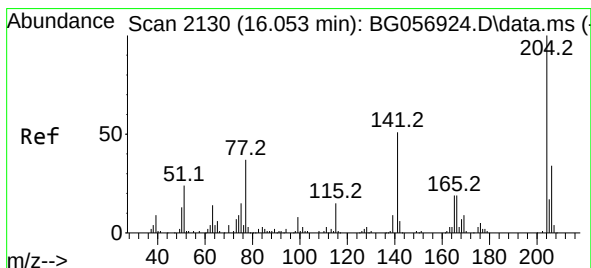
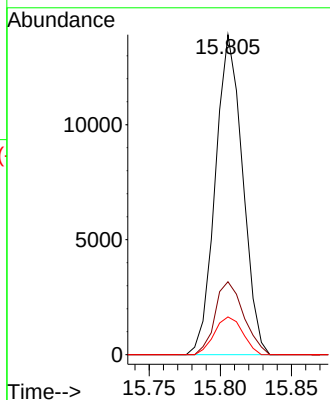
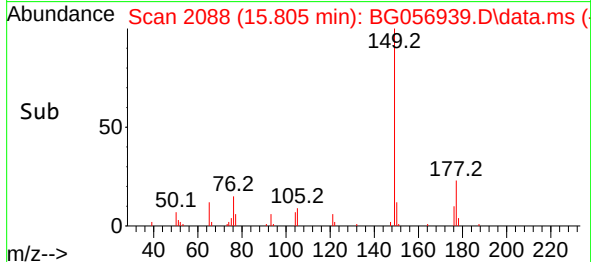
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



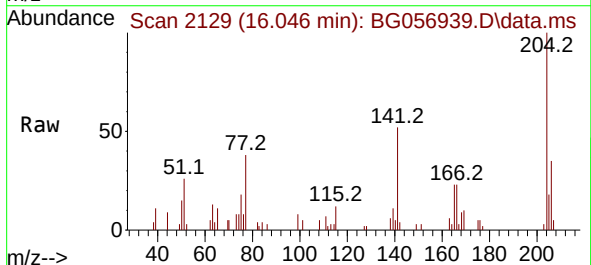
Tgt Ion:149 Resp: 18528
Ion Ratio Lower Upper
149 100
177 22.8 18.8 28.2
150 11.8 9.4 14.2

Manual Integrations
APPROVED

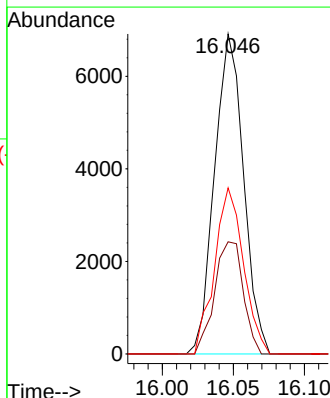
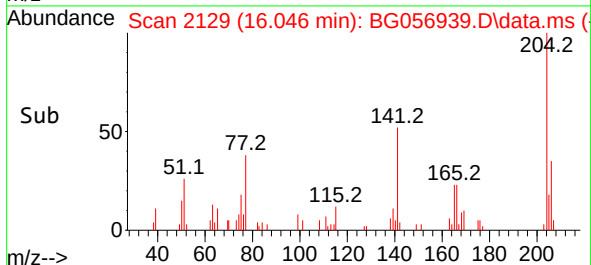
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

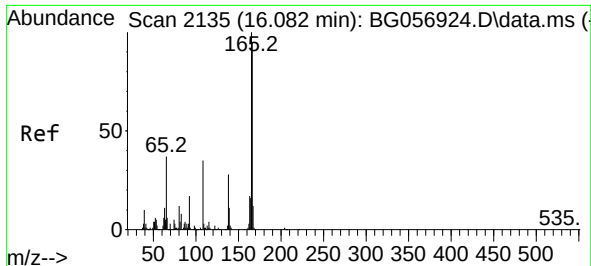


#61
4-Chlorophenyl-phenylether
Concen: 4.845 ng
RT: 16.046 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53



Tgt Ion:204 Resp: 9803
Ion Ratio Lower Upper
204 100
206 35.1 27.2 40.8
141 51.9 40.7 61.1





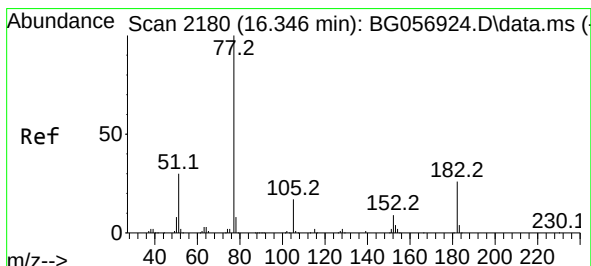
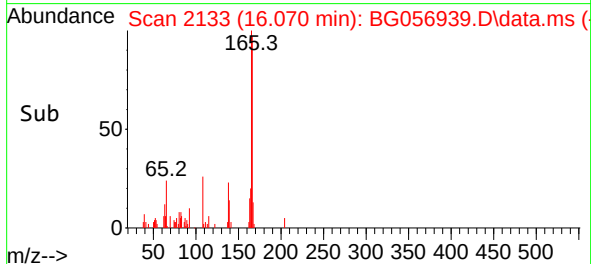
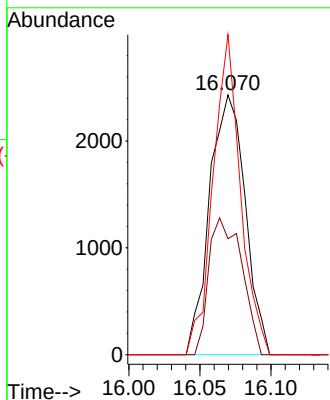
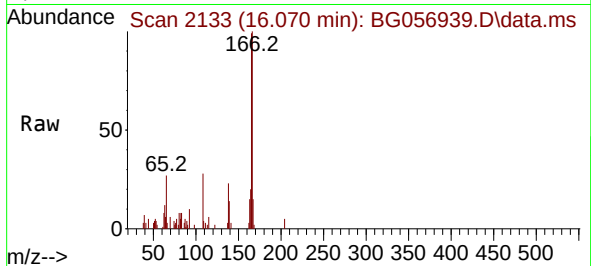
#62
4-Nitroaniline
Concen: 5.375 ng
RT: 16.070 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:138 Resp: 424
Ion Ratio Lower Upper
138 100
92 44.7 40.9 80.9
108 123.2 104.3 144.3

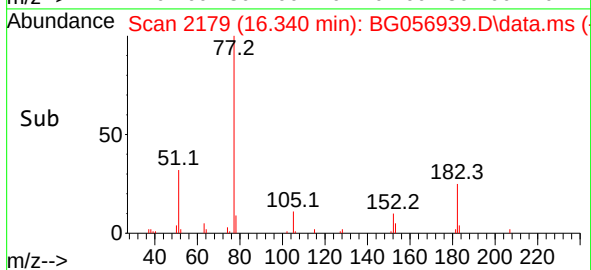
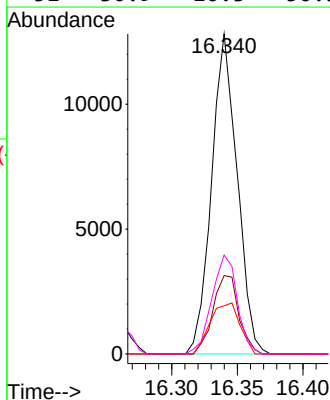
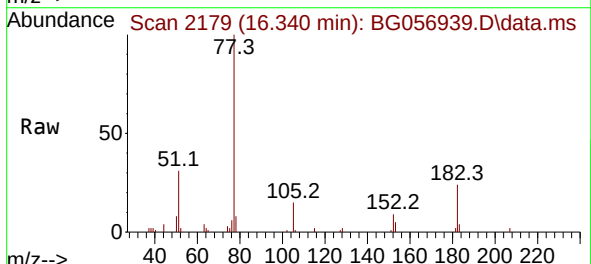
Manual Integrations
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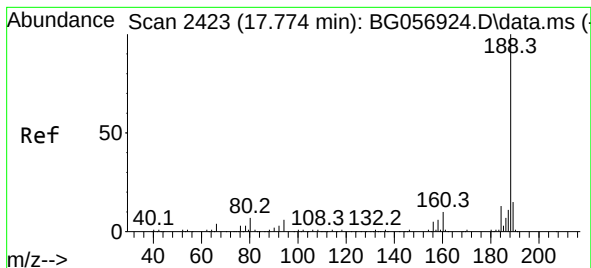
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#63
Azobenzene
Concen: 4.880 ng
RT: 16.340 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion: 77 Resp: 17378
Ion Ratio Lower Upper
77 100
182 24.5 5.9 45.9
105 15.0 0.0 36.8
51 30.9 10.3 50.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.767 min Scan# 2422

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

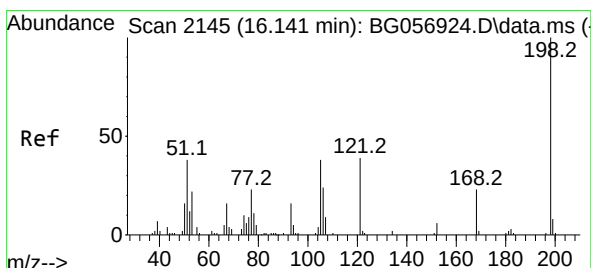
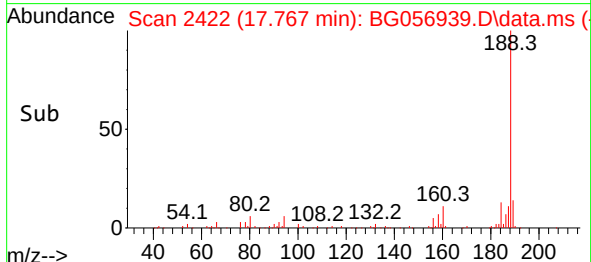
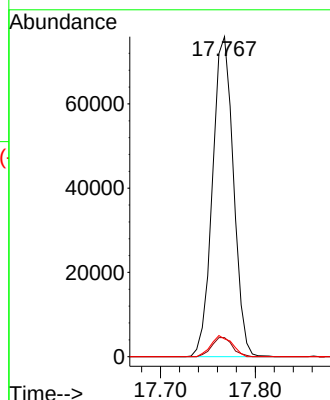
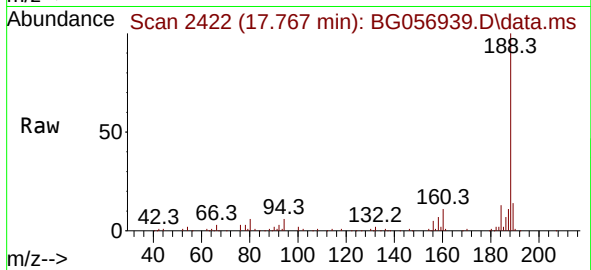
LOQ-SOIL-02-QT1-2023

Tgt Ion:188	Resp:	116544
Ion Ratio	Lower	Upper
188	100	
94	5.9	4.6 6.8
80	5.6	5.5 8.3

Manual Integrations

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



#65

4,6-Dinitro-2-methylphenol

Concen: 3.709 ng

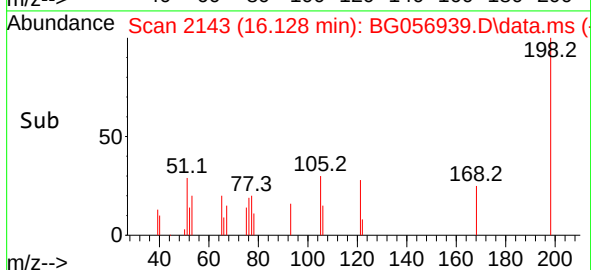
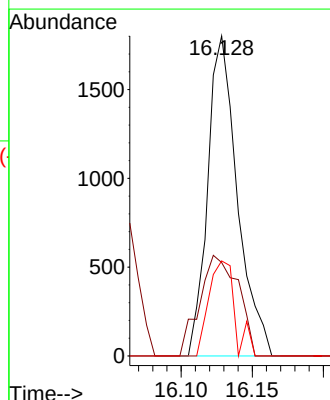
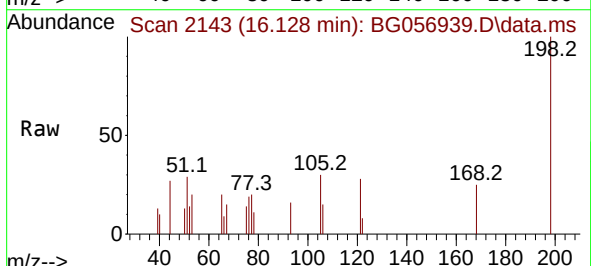
RT: 16.128 min Scan# 2143

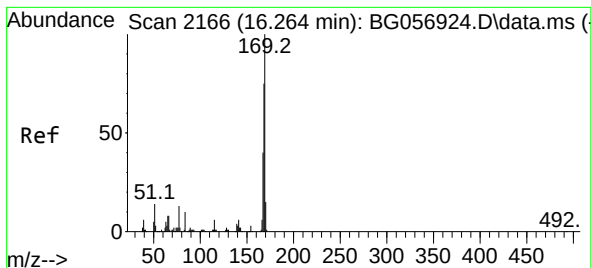
Delta R.T. -0.012 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Tgt Ion:198	Resp:	2618
Ion Ratio	Lower	Upper
198	100	
51	29.2	20.5 60.5
105	29.7	18.1 58.1





#66

n-Nitrosodiphenylamine

Concen: 4.993 ng

RT: 16.258 min Scan# 2165

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

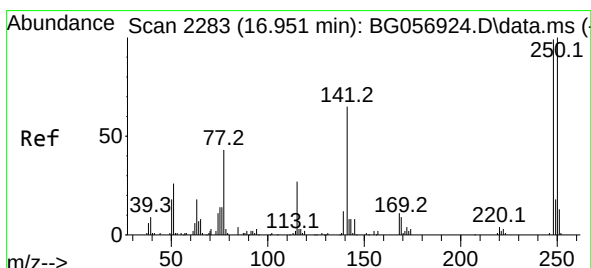
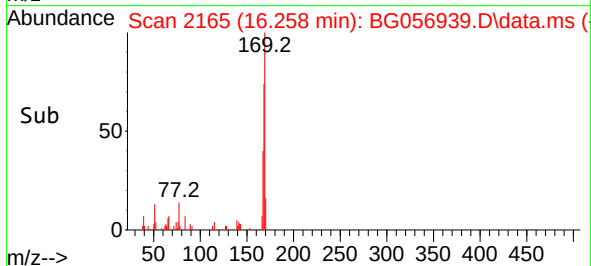
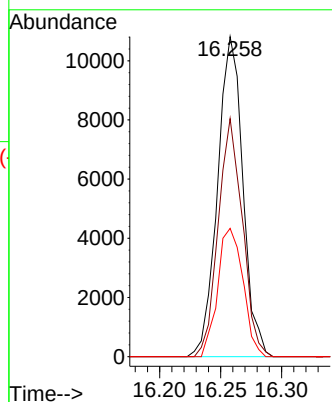
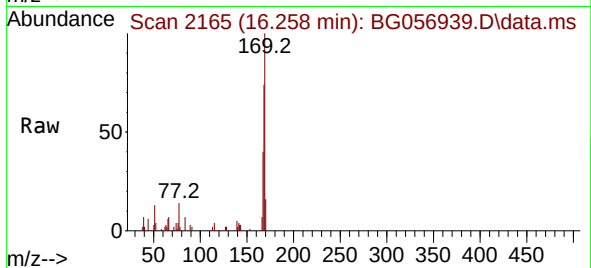
Tgt Ion:	169	Resp:	15620
Ion Ratio	Lower	Upper	
169	100		
168	74.4	59.6	89.4
167	40.1	31.8	47.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#67

4-Bromophenyl-phenylether

Concen: 4.823 ng

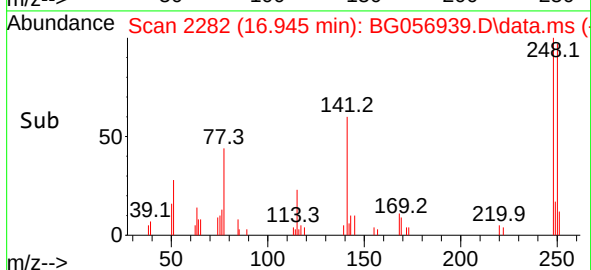
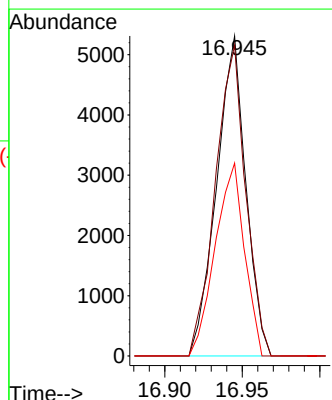
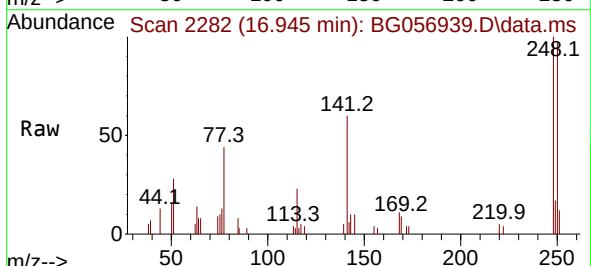
RT: 16.945 min Scan# 2282

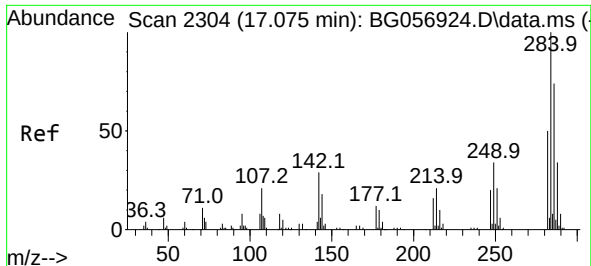
Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

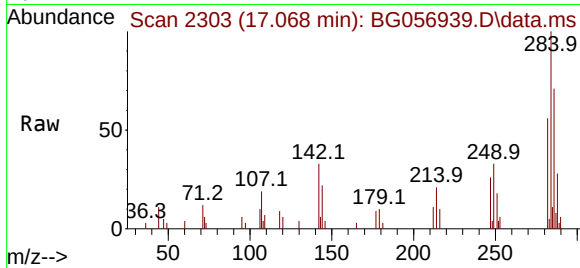
Tgt Ion:	248	Resp:	6955
Ion Ratio	Lower	Upper	
248	100		
250	97.2	80.5	120.7
141	60.2	52.0	78.0





#68
Hexachlorobenzene
Concen: 5.556 ng
RT: 17.068 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

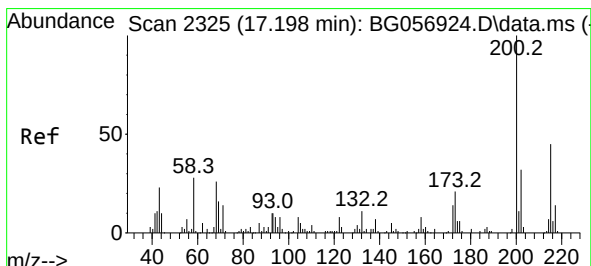
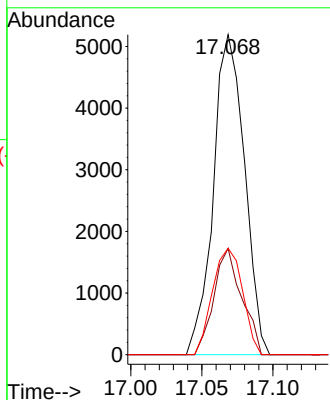
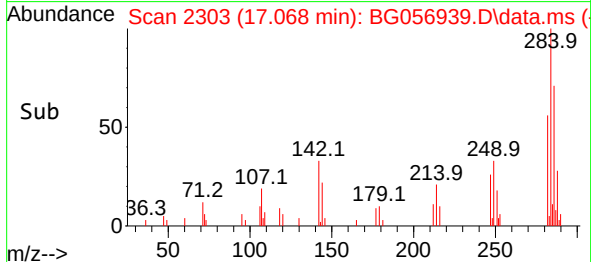
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



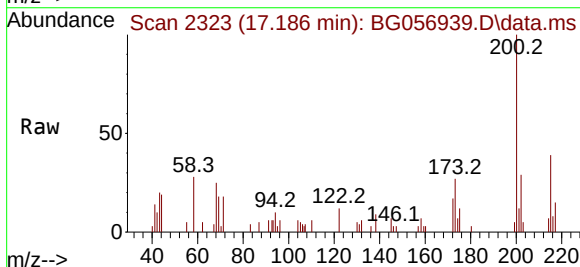
Tgt Ion:284 Resp: 792
Ion Ratio Lower Upper
284 100
142 33.2 23.0 34.4
249 33.3 27.1 40.7

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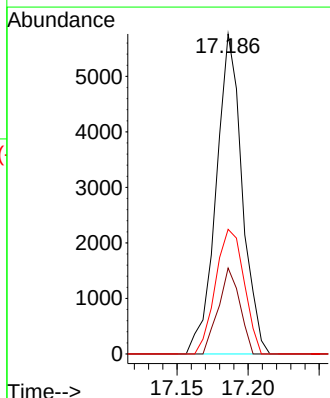
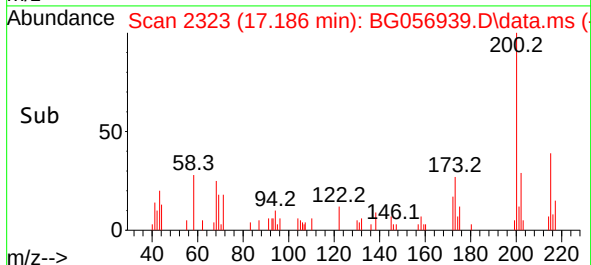
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

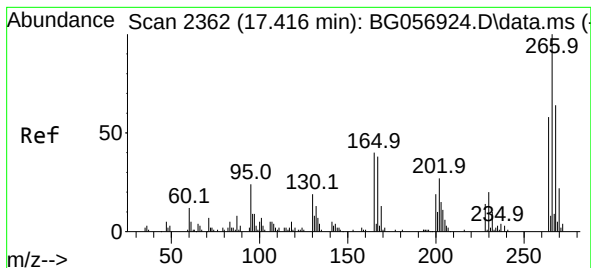


#69
Atrazine
Concen: 5.635 ng
RT: 17.186 min Scan# 2323
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53



Tgt Ion:200 Resp: 7318
Ion Ratio Lower Upper
200 100
173 26.9 1.0 41.0
215 38.9 25.0 65.0





#70

Pentachlorophenol

Concen: 2.500 ng

RT: 17.409 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

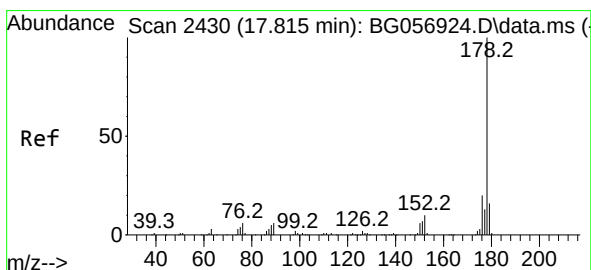
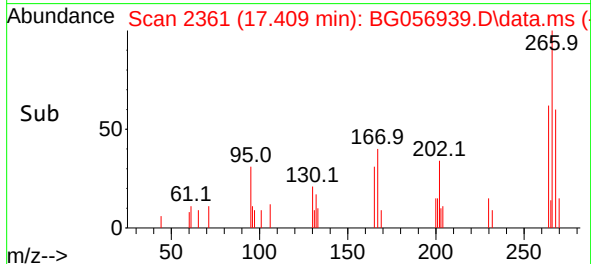
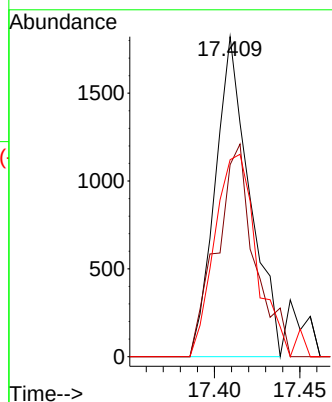
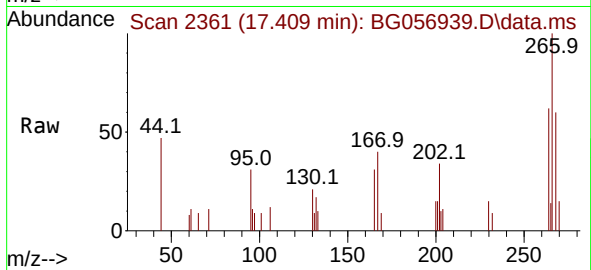
Tgt Ion:	266	Resp:	255
Ion Ratio	Lower	Upper	
266	100		
268	60.0	51.0	76.6
264	61.5	46.8	70.2

Manual Integrations

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Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#71

Phenanthrene

Concen: 5.313 ng

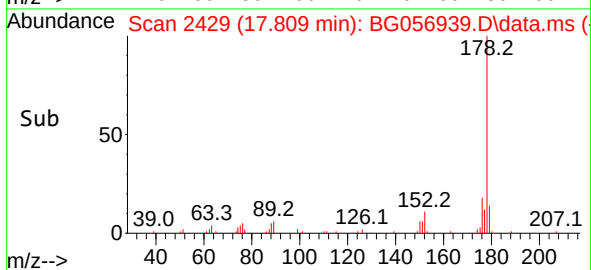
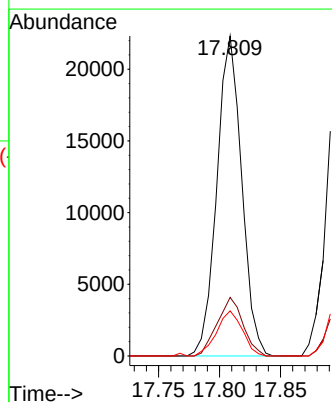
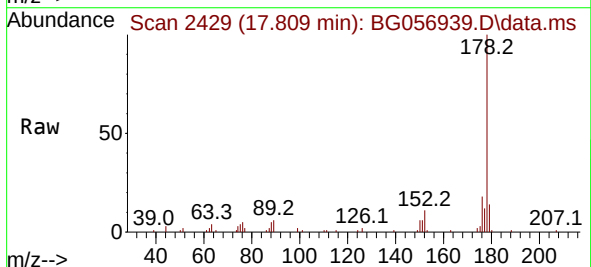
RT: 17.809 min Scan# 2429

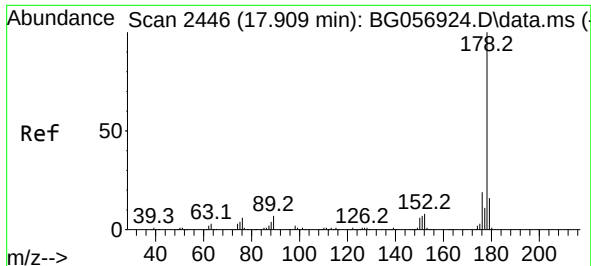
Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

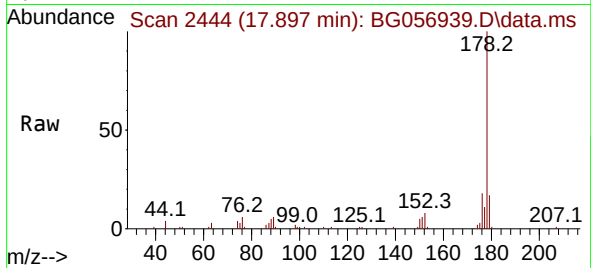
Tgt Ion:	178	Resp:	31570
Ion Ratio	Lower	Upper	
178	100		
176	18.3	16.2	24.2
179	14.1	12.5	18.7





#72
 Anthracene
 Concen: 5.012 ng
 RT: 17.897 min Scan# 2446
 Delta R.T. -0.012 min
 Lab File: BG056939.D
 Acq: 31 Mar 2023 9:53

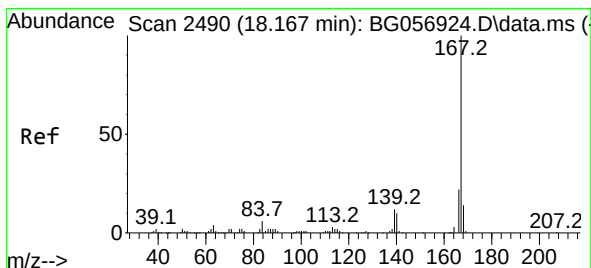
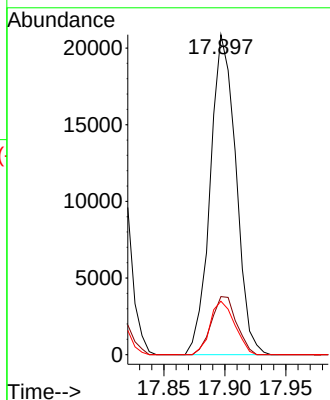
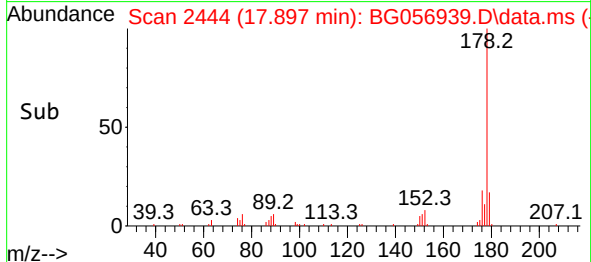
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023



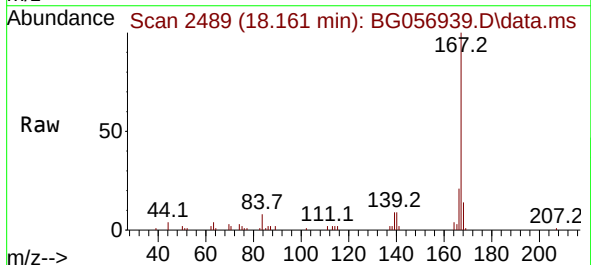
Tgt Ion:178 Resp: 30529
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.2
 179 16.7 12.4 18.6

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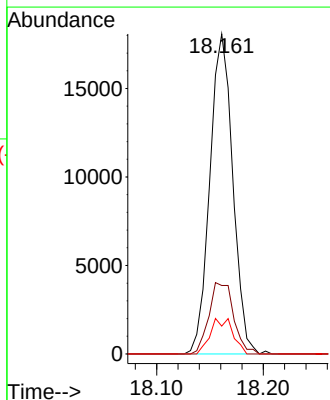
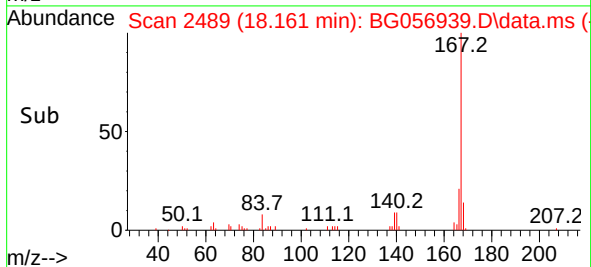
Reviewed By :Christian Giraldo 04/03/2023
 Supervised By :Jagrut Upadhyay 04/03/2023

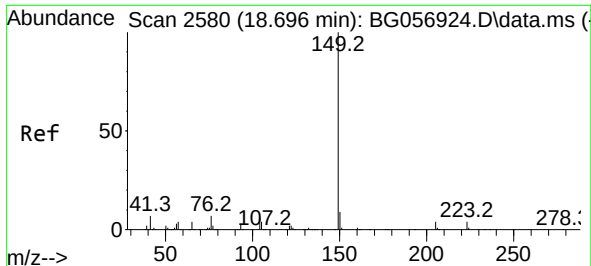


#73
 Carbazole
 Concen: 5.083 ng
 RT: 18.161 min Scan# 2489
 Delta R.T. -0.006 min
 Lab File: BG056939.D
 Acq: 31 Mar 2023 9:53



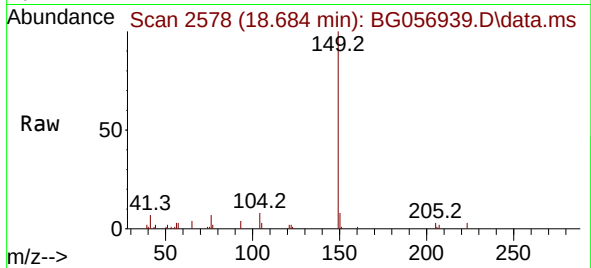
Tgt Ion:167 Resp: 26997
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.9 26.9
 139 8.7 9.5 14.3#





#74
Di-n-butylphthalate
Concen: 4.718 ng
RT: 18.684 min Scan# 2578
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

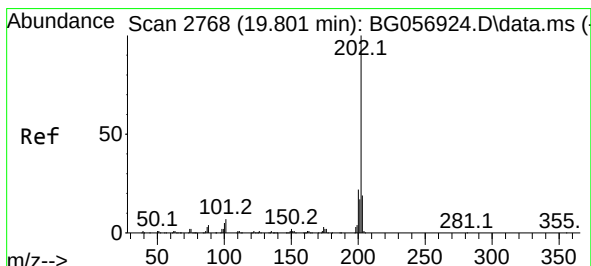
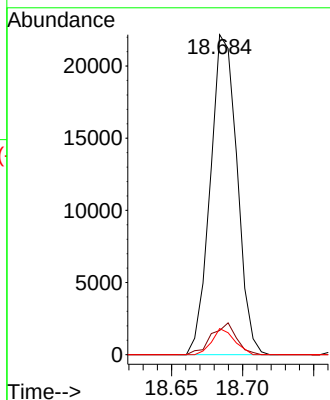
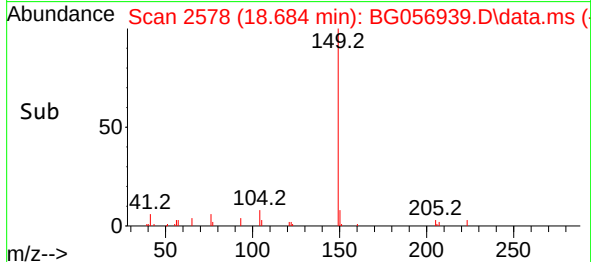
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2023



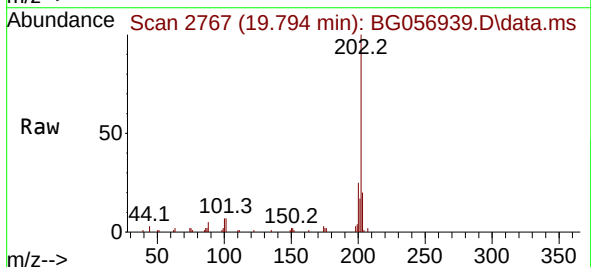
Tgt Ion:149 Resp: 29014
Ion Ratio Lower Upper
149 100
150 7.5 7.4 11.0
104 8.1 4.9 7.3

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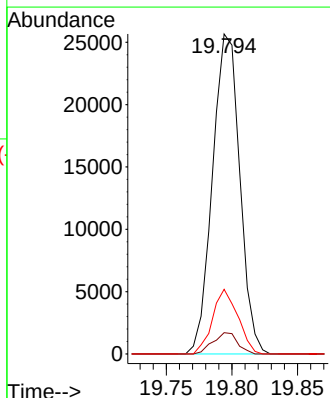
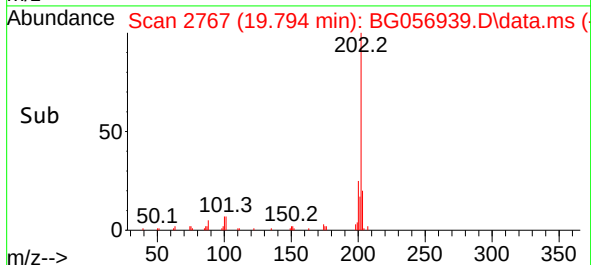
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

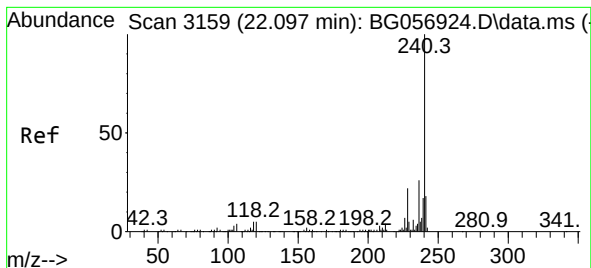


#75
Fluoranthene
Concen: 4.926 ng
RT: 19.794 min Scan# 2767
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53



Tgt Ion:202 Resp: 37106
Ion Ratio Lower Upper
202 100
101 6.7 0.0 26.7
203 20.2 0.0 39.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.091 min Scan# 3159

Delta R.T. -0.006 min

Lab File: BG056939.D

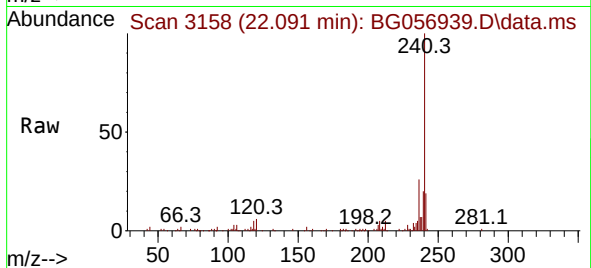
Acq: 31 Mar 2023 9:53

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023



Tgt Ion:240 Resp: 110510

Ion Ratio Lower Upper

240 100

120 5.8 3.8 5.6

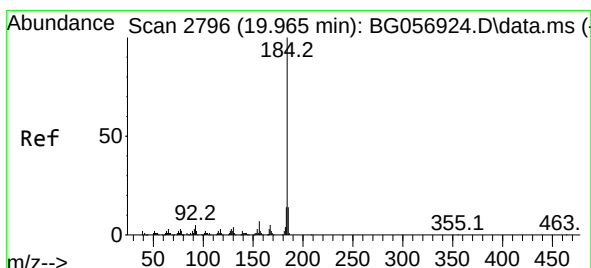
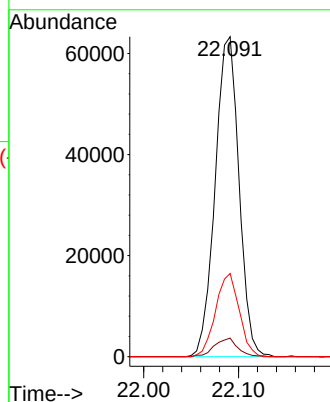
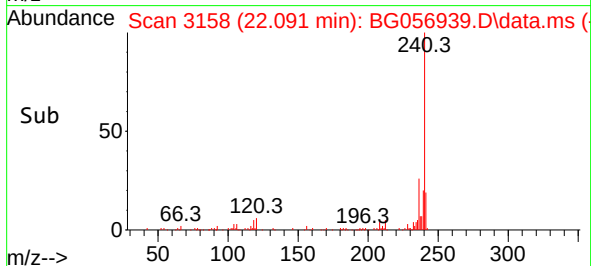
236 26.0 21.0 31.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#77

Benzidine

Concen: 6.387 ng

RT: 19.959 min Scan# 2795

Delta R.T. -0.006 min

Lab File: BG056939.D

Acq: 31 Mar 2023 9:53

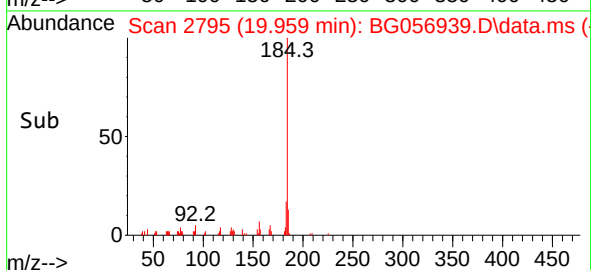
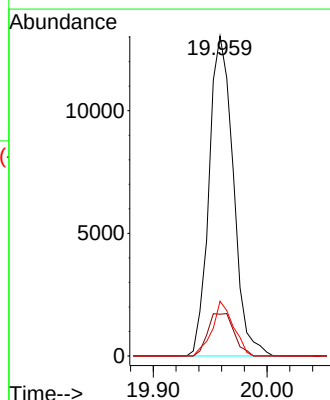
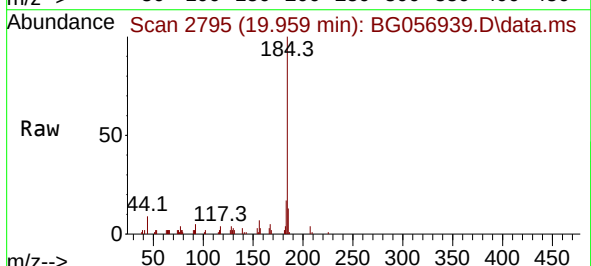
Tgt Ion:184 Resp: 19295

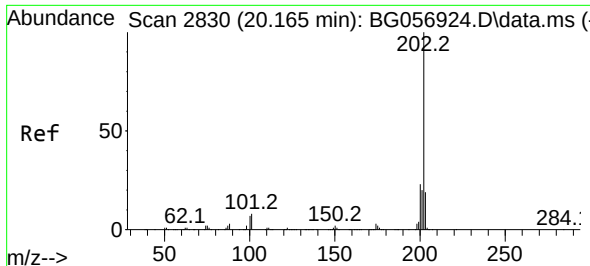
Ion Ratio Lower Upper

184 100

185 13.1 11.0 16.4

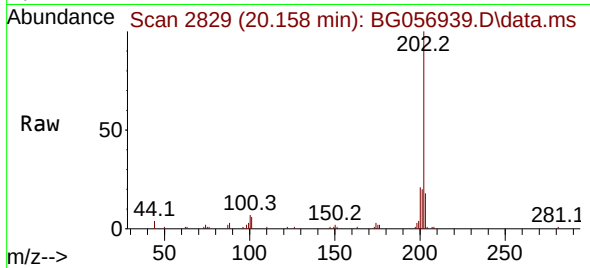
183 17.1 11.4 17.0#





#78
Pyrene
Concen: 5.074 ng
RT: 20.158 min Scan# 2829
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

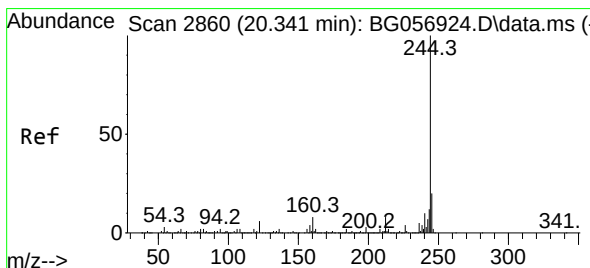
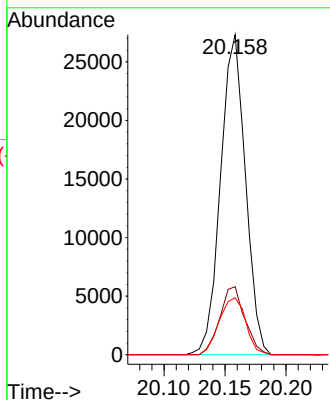
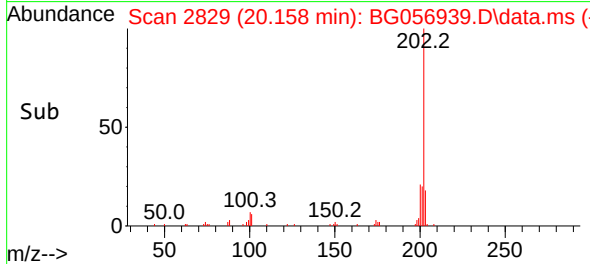
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



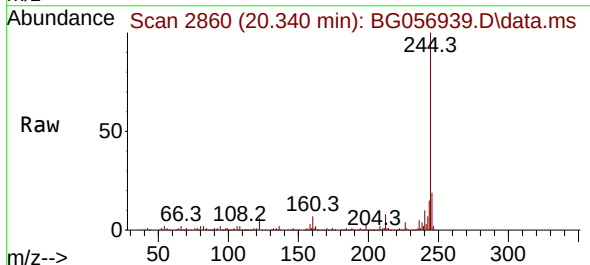
Tgt Ion:202 Resp: 3878
Ion Ratio Lower Upper
202 100
200 21.2 18.7 28.1
203 17.8 15.4 23.2

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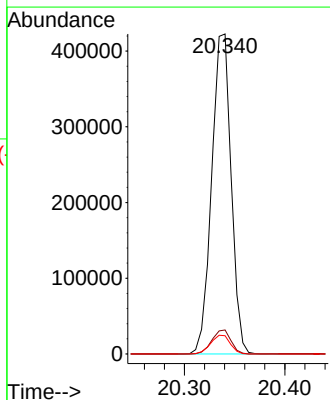
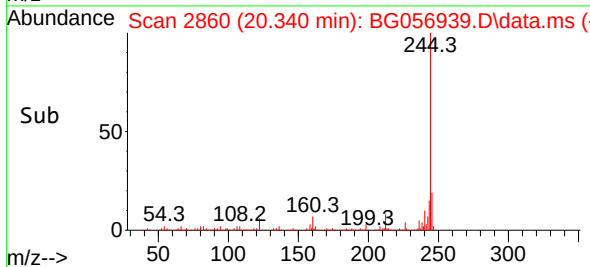
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

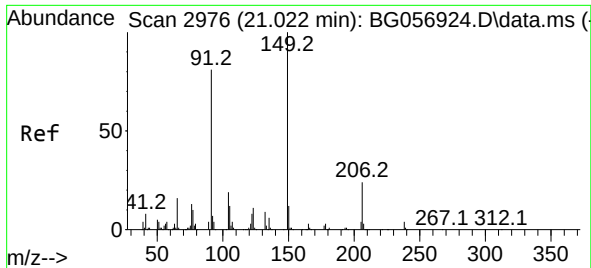


#79
Terphenyl-d14
Concen: 87.085 ng
RT: 20.340 min Scan# 2860
Delta R.T. -0.001 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53



Tgt Ion:244 Resp: 568757
Ion Ratio Lower Upper
244 100
212 7.5 6.1 9.1
122 5.7 5.0 7.4





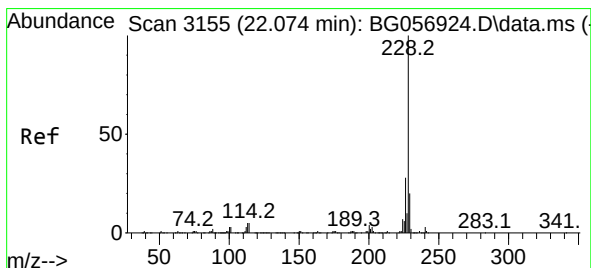
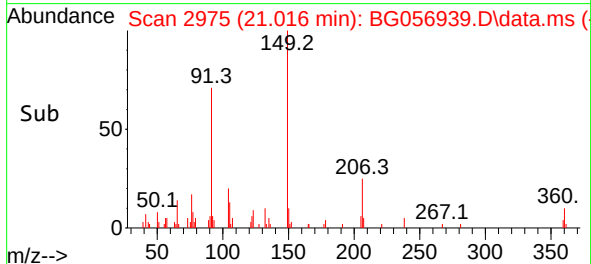
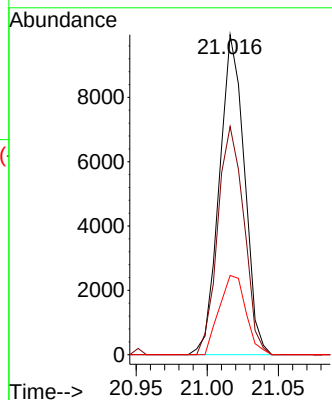
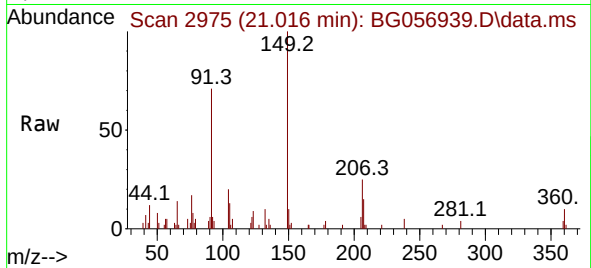
#80
Butylbenzylphthalate
Concen: 4.634 ng
RT: 21.016 min Scan# 2975
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:	149	Resp:	1218
Ion Ratio	Lower	Upper	
149	100		
91	71.3	64.4	96.6
206	24.7	18.9	28.3

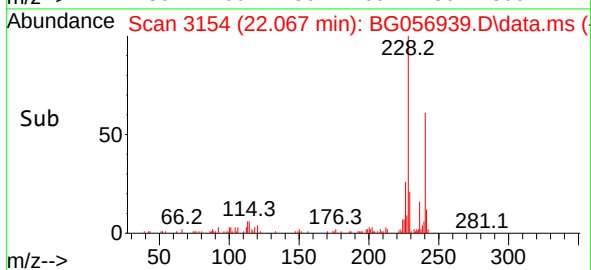
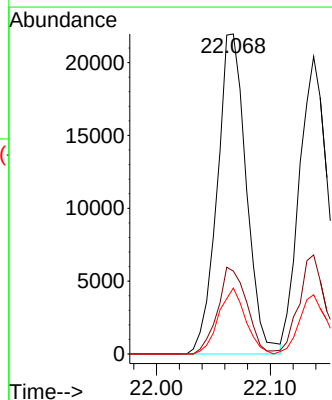
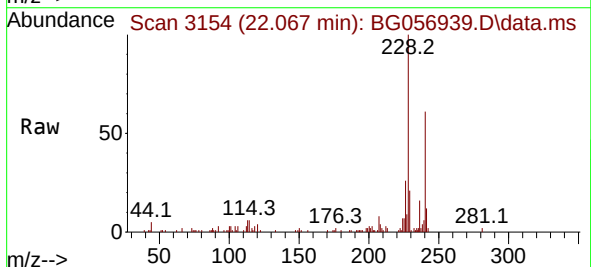
Manual Integrations
APPROVED

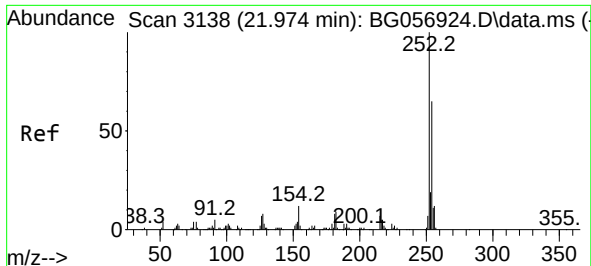
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#81
Benzo(a)anthracene
Concen: 5.116 ng
RT: 22.067 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

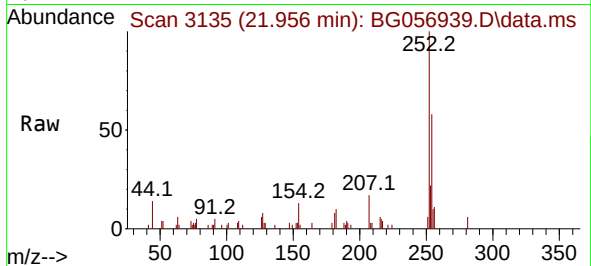
Tgt Ion:	228	Resp:	39123
Ion Ratio	Lower	Upper	
228	100		
226	25.9	22.1	33.1
229	20.6	16.1	24.1





#82
3,3'-Dichlorobenzidine
Concen: 5.921 ng
RT: 21.956 min Scan# 3138
Delta R.T. -0.018 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

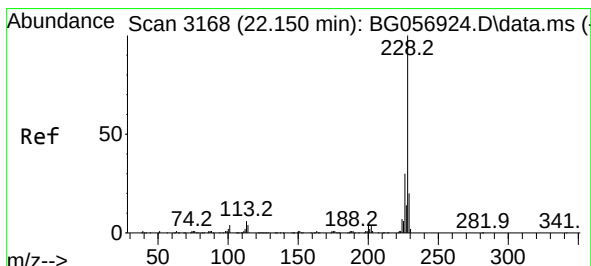
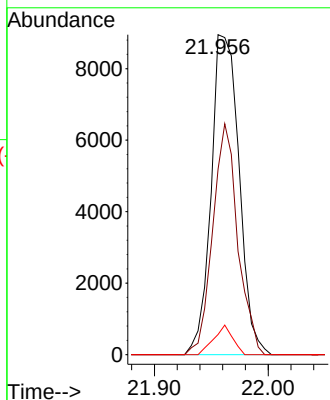
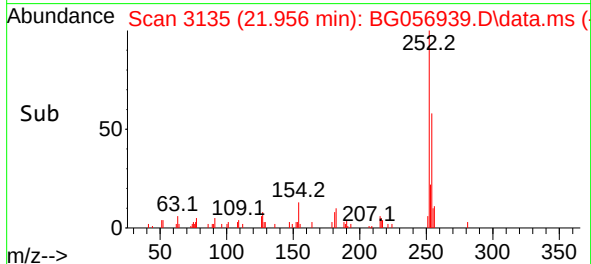
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:252 Resp: 15292
Ion Ratio Lower Upper
252 100
254 57.9 51.7 77.5
126 6.3 5.6 8.4

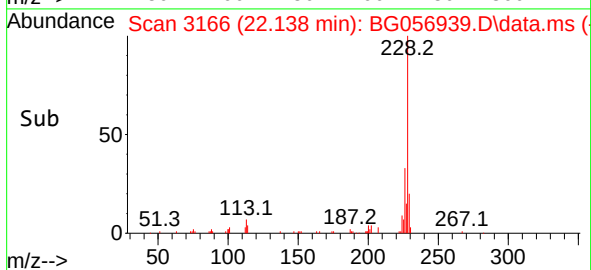
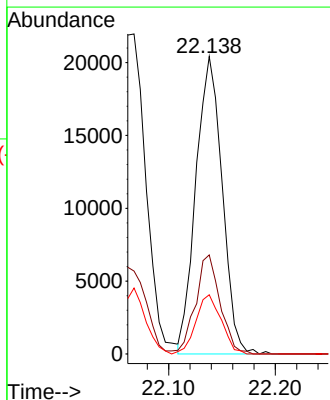
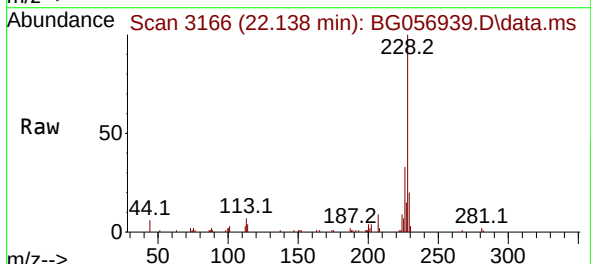
Manual Integrations
APPROVED

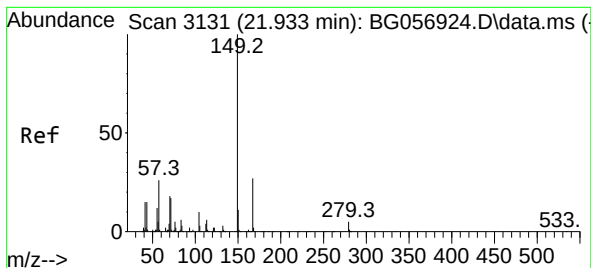
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#83
Chrysene
Concen: 4.889 ng
RT: 22.138 min Scan# 3166
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

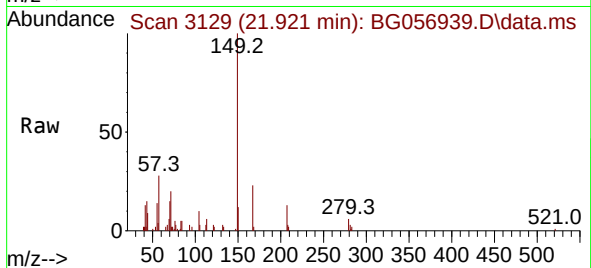
Tgt Ion:228 Resp: 35006
Ion Ratio Lower Upper
228 100
226 33.3 24.1 36.1
229 19.9 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.894 ng
RT: 21.921 min Scan# 3129
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

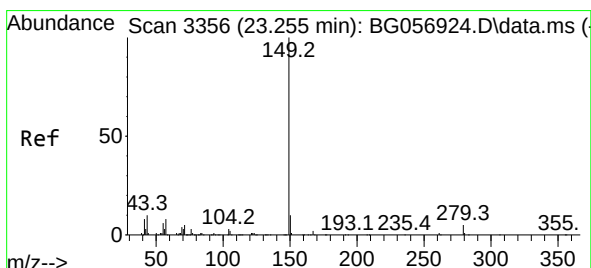
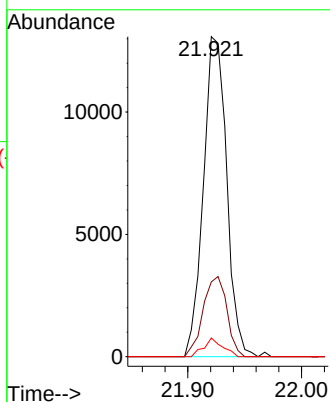
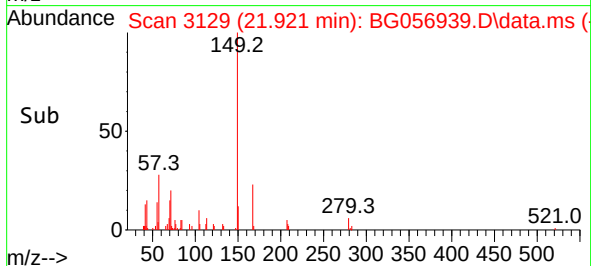
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:149 Resp: 18639
Ion Ratio Lower Upper
149 100
167 23.4 21.4 32.2
279 5.9 3.9 5.9

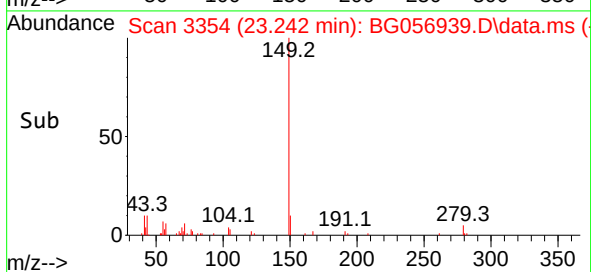
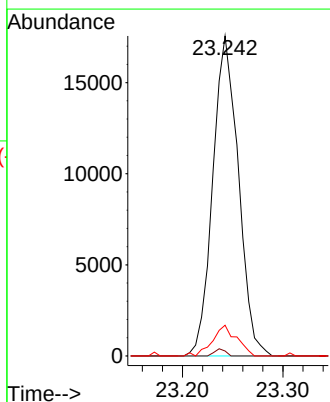
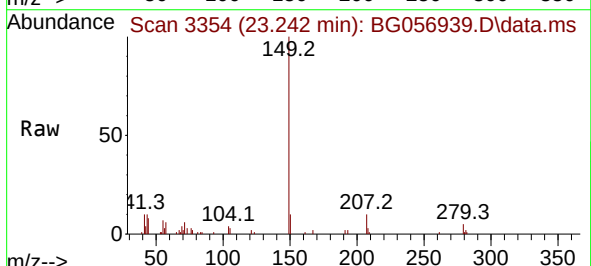
Manual Integrations
APPROVED

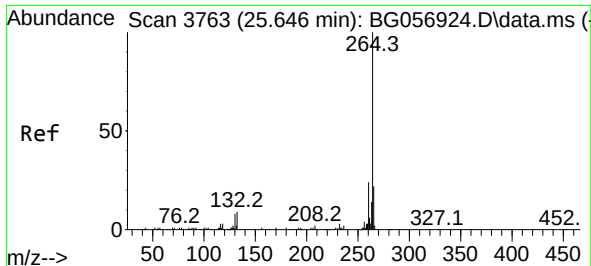
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#85
Di-n-octyl phthalate
Concen: 4.847 ng
RT: 23.242 min Scan# 3354
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Tgt Ion:149 Resp: 31111
Ion Ratio Lower Upper
149 100
167 1.0 1.3 1.9#
43 9.1 7.9 11.9





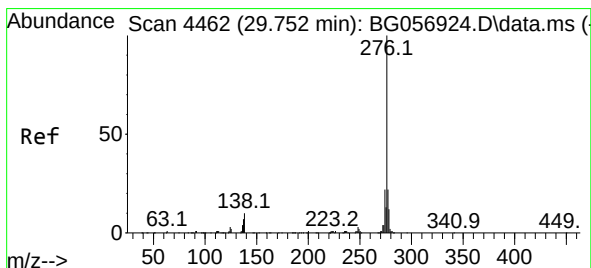
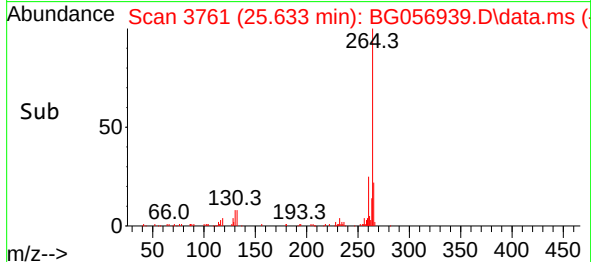
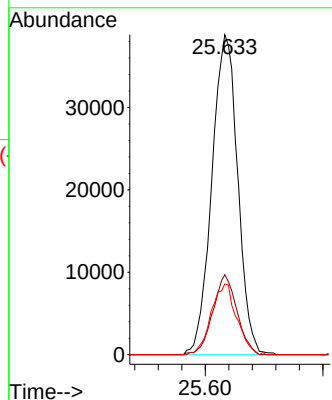
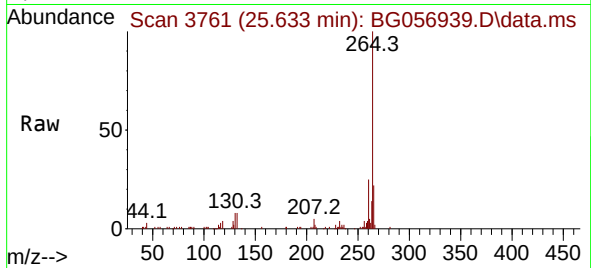
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.633 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:264 Resp: 118418
Ion Ratio Lower Upper
264 100
260 25.0 19.0 28.4
265 22.1 17.8 26.6

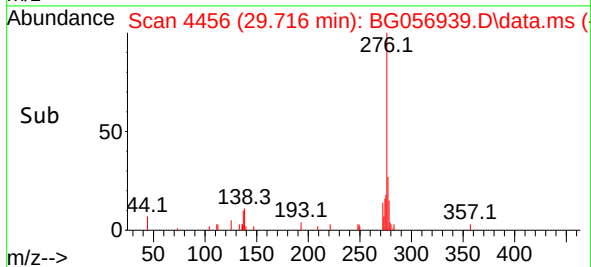
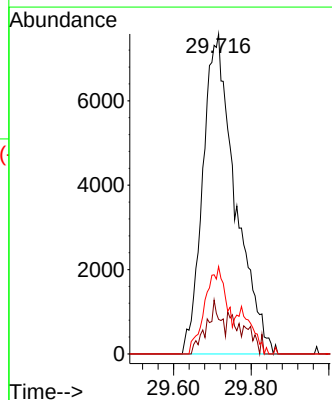
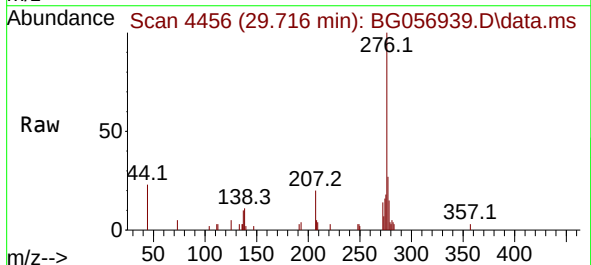
Manual Integrations
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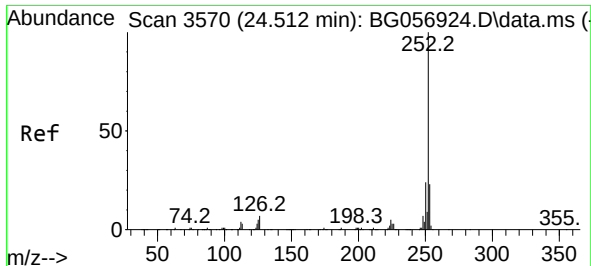
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.034 ng
RT: 29.716 min Scan# 4456
Delta R.T. -0.036 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

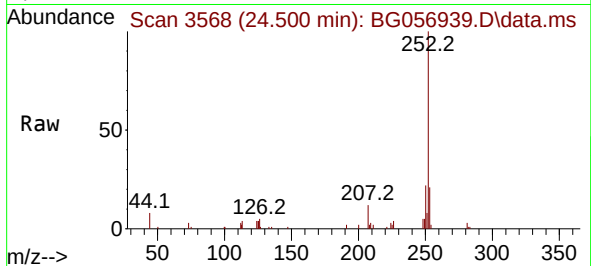
Tgt Ion:276 Resp: 44057
Ion Ratio Lower Upper
276 100
138 7.7 7.7 11.5
277 18.0 21.0 31.4#





#88
Benzo(b)fluoranthene
Concen: 5.508 ng m
RT: 24.500 min Scan# 3568
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

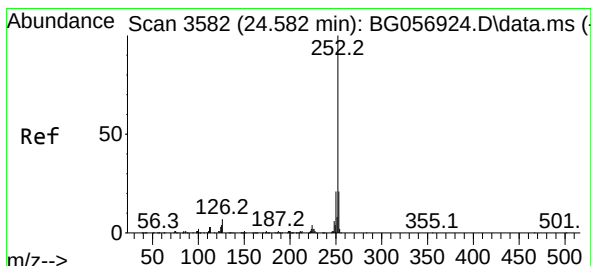
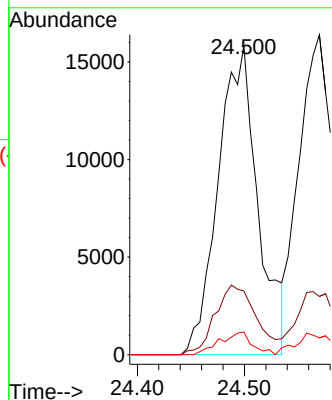
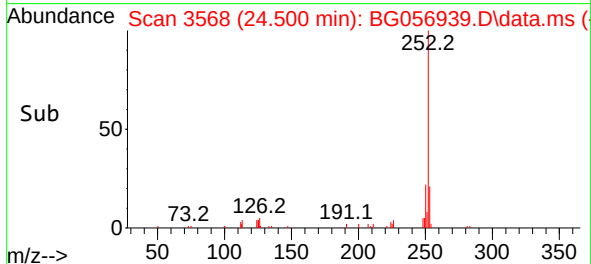
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2023



Tgt Ion:252 Resp: 40784
Ion Ratio Lower Upper
252 100
253 20.6 18.1 27.1
125 3.7 4.2 6.4

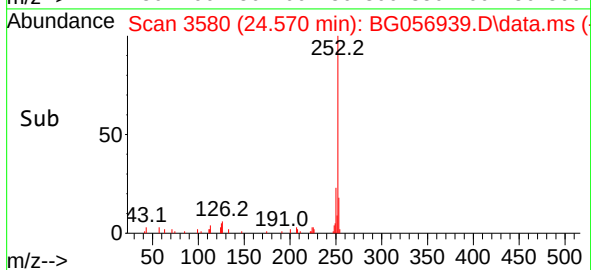
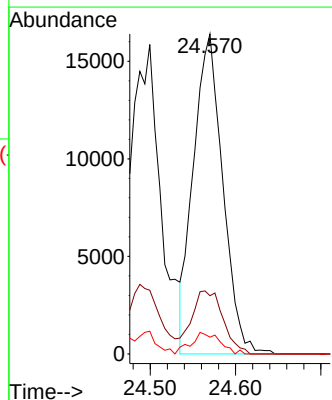
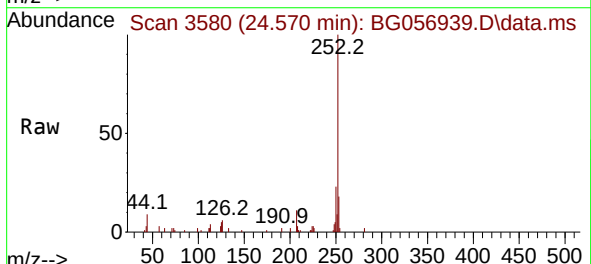
Manual Integrations
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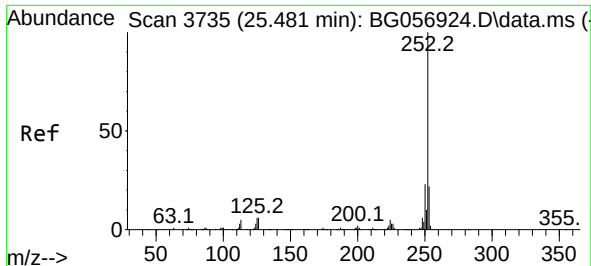
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#89
Benzo(k)fluoranthene
Concen: 5.305 ng
RT: 24.570 min Scan# 3580
Delta R.T. -0.012 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

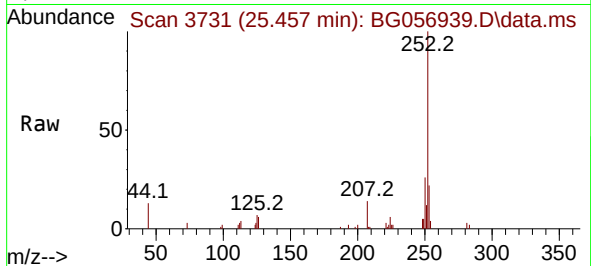
Tgt Ion:252 Resp: 39215
Ion Ratio Lower Upper
252 100
253 18.2 17.1 25.7
125 5.2 3.8 5.6





#90
Benzo(a)pyrene
Concen: 4.650 ng
RT: 25.457 min Scan# 31
Delta R.T. -0.024 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53

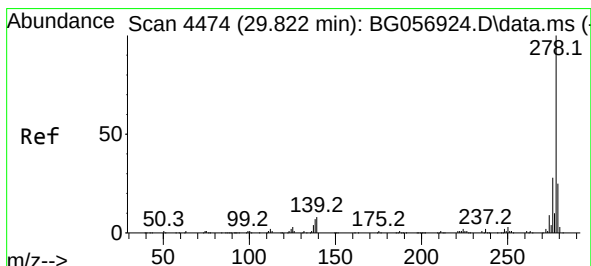
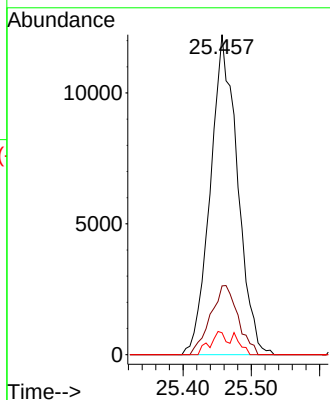
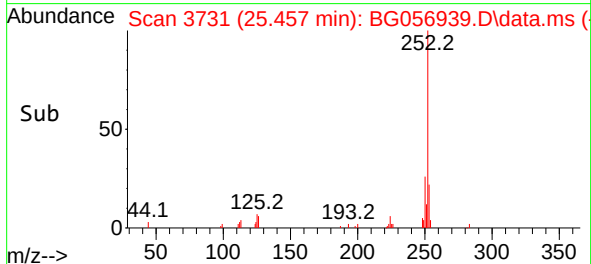
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



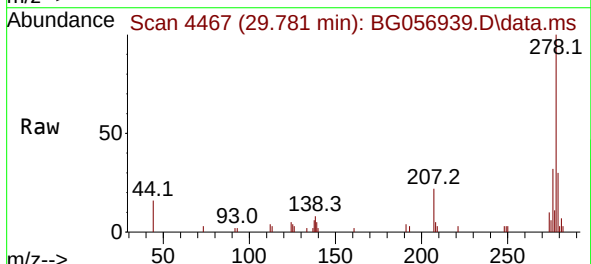
Tgt Ion:252 Resp: 3383
Ion Ratio Lower Upper
252 100
253 21.5 17.6 26.4
125 6.8 4.5 6.7

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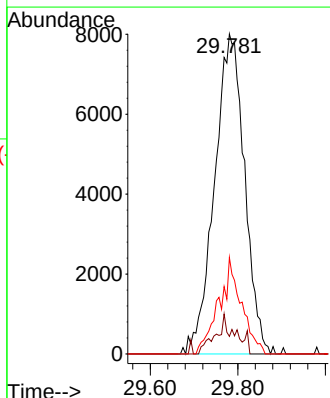
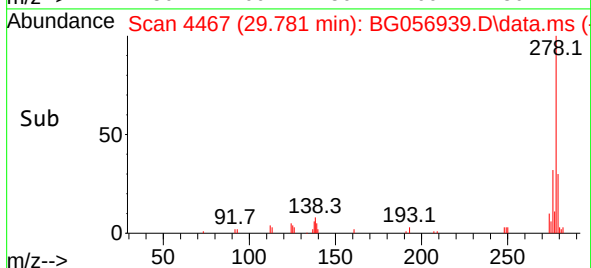
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

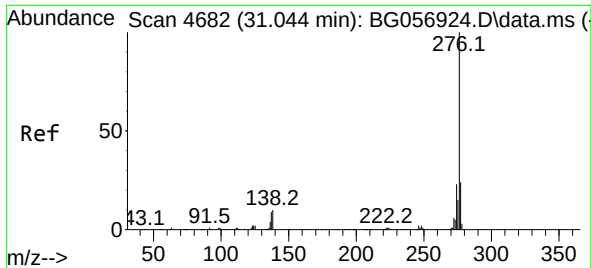


#91
Dibenzo(a,h)anthracene
Concen: 5.308 ng
RT: 29.781 min Scan# 4467
Delta R.T. -0.042 min
Lab File: BG056939.D
Acq: 31 Mar 2023 9:53



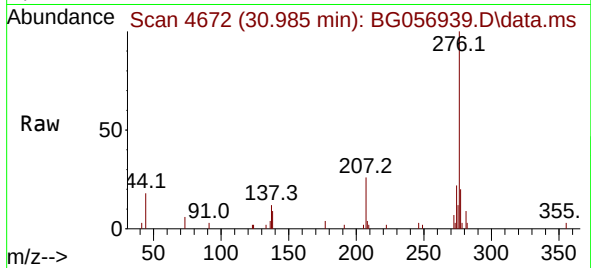
Tgt Ion:278 Resp: 38183
Ion Ratio Lower Upper
278 100
139 5.5 6.4 9.6#
279 30.2 20.2 30.2





#92
 Benzo(g,h,i)perylene
 Concen: 5.134 ng
 RT: 30.985 min Scan# 4672
 Delta R.T. -0.059 min
 Lab File: BG056939.D
 Acq: 31 Mar 2023 9:53

Instrument : BNA_G
 ClientSampleId : LOQ-SOIL-02-QT1-2023



Tgt Ion:	276	Resp:	3616
Ion Ratio	Lower	Upper	
276	100		
277	19.5	19.1	28.7
138	9.0	8.2	12.2

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

