

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG033123\
 Data File : BG056940.D
 Acq On : 31 Mar 2023 12:03
 Operator : CG/JU
 Sample : 01627-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Mar 31 12:37:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 03:23:11 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.414	152	16438	20.000	ng	0.00
21) Naphthalene-d8	11.257	136	64234	20.000	ng	0.00
39) Acenaphthene-d10	15.028	164	50400	20.000	ng	0.00
64) Phenanthrene-d10	17.766	188	125253	20.000	ng	0.00
76) Chrysene-d12	22.089	240	120503	20.000	ng	0.00
86) Perylene-d12	25.638	264	131949	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.917	112	104529	101.772	ng	0.00
7) Phenol-d6	7.539	99	157789	102.718	ng	0.00
23) Nitrobenzene-d5	9.589	82	122485	78.024	ng	0.00
42) 2,4,6-Tribromophenol	16.509	330	89942	111.707	ng	0.00
45) 2-Fluorobiphenyl	13.654	172	299104	80.474	ng	0.00
79) Terphenyl-d14	20.339	244	568807	79.875	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.726	88	4731	10.508	ng	90
3) Pyridine	4.149	79	12151	8.379	ng	92
4) n-Nitrosodimethylamine	4.055	42	6271	9.406	ng	# 98
6) Aniline	7.721	93	17813	9.071	ng	95
8) 2-Chlorophenol	7.967	128	9033	8.830	ng	96
9) Benzaldehyde	7.533	77	11512	11.948	ng	86
10) Phenol	7.562	94	13345	8.767	ng	93
11) bis(2-Chloroethyl)ether	7.809	93	10180	9.389	ng	95
12) 1,3-Dichlorobenzene	8.302	146	11233	9.937	ng	90
13) 1,4-Dichlorobenzene	8.449	146	11248	9.859	ng	89
14) 1,2-Dichlorobenzene	8.772	146	10376	9.414	ng	96
15) Benzyl Alcohol	8.637	79	11280	8.837	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.931	45	12851	9.835	ng	97
17) 2-Methylphenol	8.837	107	9399	8.655	ng	91
18) Hexachloroethane	9.518	117	3853	9.240	ng	92
19) n-Nitroso-di-n-propyla...	9.207	70	10037	9.135	ng	96
20) 3+4-Methylphenols	9.172	107	12323	8.115	ng	95
22) Acetophenone	9.236	105	18688	9.777	ng	# 96
24) Nitrobenzene	9.630	77	15530	9.676	ng	# 97
25) Isophorone	10.153	82	27633	9.244	ng	94
26) 2-Nitrophenol	10.352	139	5928	9.569	ng	91
27) 2,4-Dimethylphenol	10.388	122	10385	9.494	ng	98
28) bis(2-Chloroethoxy)met...	10.629	93	14276	9.539	ng	# 95
29) 2,4-Dichlorophenol	10.887	162	10362	8.809	ng	96
30) 1,2,4-Trichlorobenzene	11.110	180	11744	9.396	ng	94
31) Naphthalene	11.304	128	33158	9.470	ng	98
32) Benzoic acid	10.458	122	7335m	9.763	ng	
33) 4-Chloroaniline	11.398	127	14342	9.070	ng	# 96
34) Hexachlorobutadiene	11.580	225	9012	9.599	ng	89
35) Caprolactam	12.132	113	3817	9.409	ng	# 85
36) 4-Chloro-3-methylphenol	12.485	107	12293	9.345	ng	98
37) 2-Methylnaphthalene	12.878	142	25363	9.127	ng	94
38) 1-Methylnaphthalene	13.096	142	22654	8.682	ng	97
40) 1,2,4,5-Tetrachloroben...	13.237	216	17155	9.816	ng	98
41) Hexachlorocyclopentadiene	13.219	237	9864	10.243	ng	98
43) 2,4,6-Trichlorophenol	13.466	196	10097	9.053	ng	89

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Instrument :
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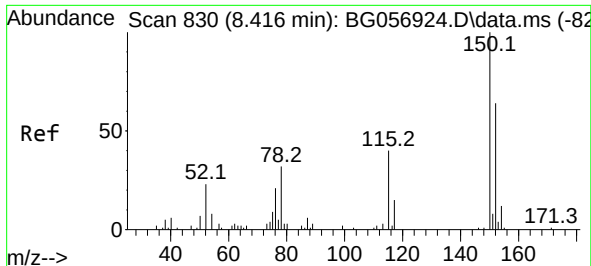
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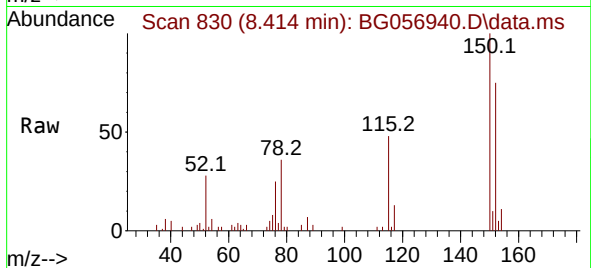
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.536	196	11340	8.583	ng	# 88
46) 1,1'-Biphenyl	13.865	154	36410	9.869	ng	96
47) 2-Chloronaphthalene	13.918	162	26306	9.641	ng	96
48) 2-Nitroaniline	14.106	65	9228	9.458	ng	94
49) Acenaphthylene	14.752	152	43405	9.682	ng	94
50) Dimethylphthalate	14.459	163	37045	9.328	ng	# 95
51) 2,6-Dinitrotoluene	14.588	165	8556	9.972	ng	90
52) Acenaphthene	15.093	154	29384	9.503	ng	96
53) 3-Nitroaniline	14.911	138	7717	9.087	ng	94
54) 2,4-Dinitrophenol	15.117	184	4256	8.813	ng	# 84
55) Dibenzofuran	15.422	168	44923	9.680	ng	96
56) 4-Nitrophenol	15.205	139	5516	8.783	ng	92
57) 2,4-Dinitrotoluene	15.369	165	10674	8.821	ng	# 97
58) Fluorene	16.068	166	36790	9.580	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.639	232	11437	9.507	ng	# 99
60) Diethylphthalate	15.810	149	37570	9.437	ng	96
61) 4-Chlorophenyl-phenyle...	16.051	204	20906	9.272	ng	94
62) 4-Nitroaniline	16.068	138	8458	9.612	ng	88
63) Azobenzene	16.338	77	36955	9.314	ng	98
65) 4,6-Dinitro-2-methylph...	16.127	198	5784	7.625	ng	88
66) n-Nitrosodiphenylamine	16.262	169	31504	9.370	ng	96
67) 4-Bromophenyl-phenylether	16.943	248	14042	9.061	ng	95
68) Hexachlorobenzene	17.073	284	15577	10.166	ng	96
69) Atrazine	17.184	200	14656	10.501	ng	96
70) Pentachlorophenol	17.408	266	9717	8.840	ng	91
71) Phenanthrene	17.807	178	60908	9.538	ng	98
72) Anthracene	17.901	178	62641	9.569	ng	98
73) Carbazole	18.159	167	54704	9.584	ng	95
74) Di-n-butylphthalate	18.688	149	61861	9.360	ng	98
75) Fluoranthene	19.798	202	76635	9.467	ng	97
77) Benzidine	19.963	184	42460m	12.891	ng	
78) Pyrene	20.157	202	80670	9.679	ng	95
80) Butylbenzylphthalate	21.020	149	25341	8.836	ng	96
81) Benzo(a)anthracene	22.066	228	77519	9.296	ng	97
82) 3,3'-Dichlorobenzidine	21.960	252	32391	11.503	ng	98
83) Chrysene	22.142	228	72228	9.251	ng	100
84) Bis(2-ethylhexyl)phtha...	21.925	149	38544	9.281	ng	95
85) Di-n-octyl phthalate	23.247	149	62824	8.977	ng	98
87) Indeno(1,2,3-cd)pyrene	29.709	276	90643	9.295	ng	# 75
88) Benzo(b)fluoranthene	24.498	252	82600	10.011	ng	98
89) Benzo(k)fluoranthene	24.574	252	78267	9.501	ng	97
90) Benzo(a)pyrene	25.461	252	70327	8.674	ng	99
91) Dibenzo(a,h)anthracene	29.797	278	76611	9.558	ng	95
92) Benzo(g,h,i)perylene	31.007	276	72599	9.250	ng	96

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.414 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

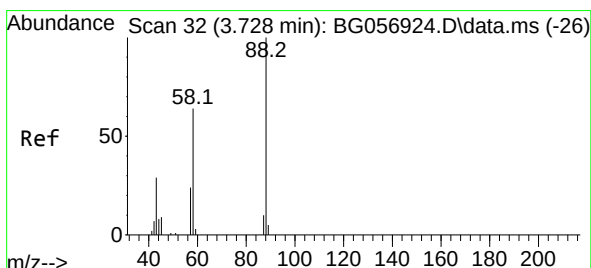
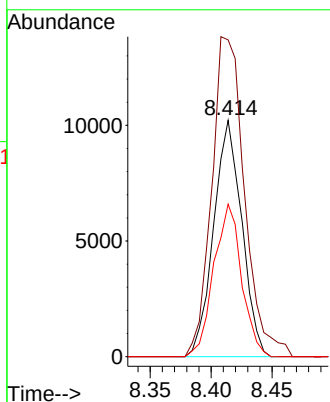
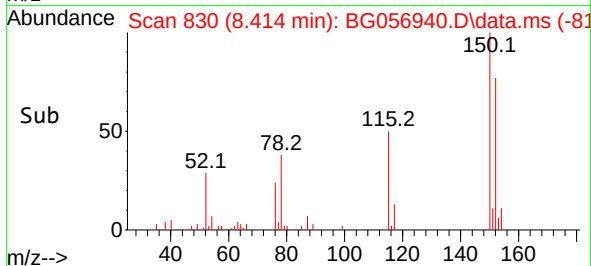
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



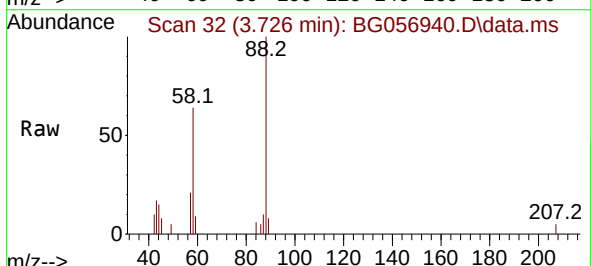
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Ion Ratio Lower Upper
152 100
150 134.0 124.1 186.1
115 64.5 49.1 73.7

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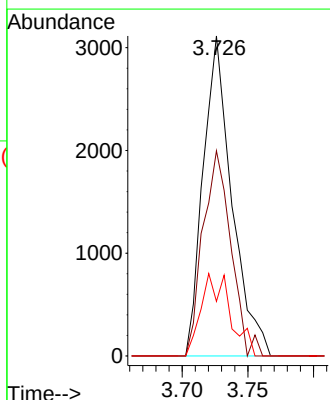
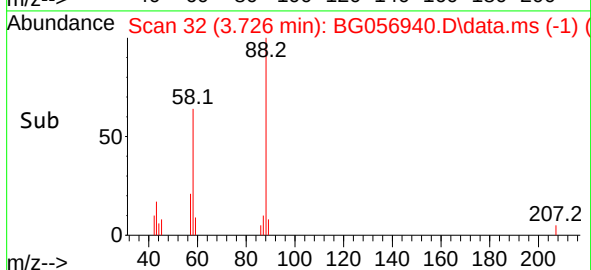
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

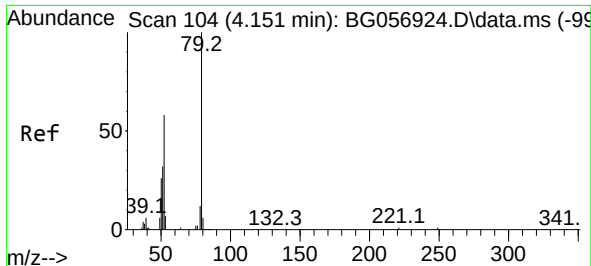


#2
1,4-Dioxane
Concen: 10.508 ng
RT: 3.726 min Scan# 32
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03



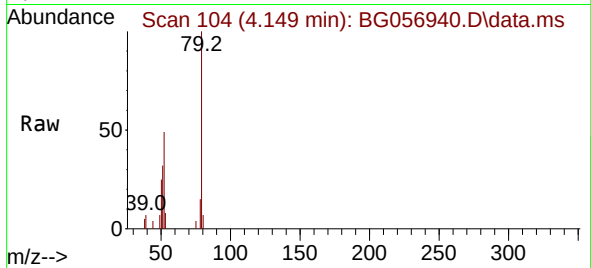
Tgt Ion: 88 Resp: 4731
Ion Ratio Lower Upper
88 100
58 62.3 55.9 83.9
43 26.1 25.7 38.5





#3
Pyridine
Concen: 8.379 ng
RT: 4.149 min Scan# 104
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

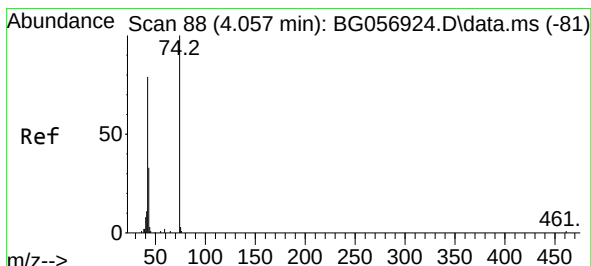
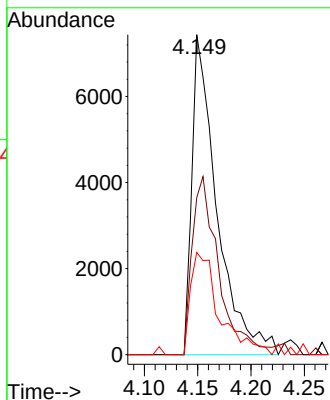
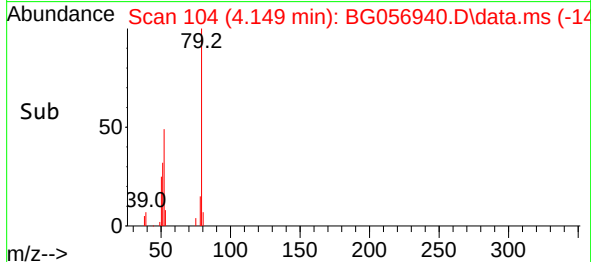
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2023



Tgt Ion: 79 Resp: 1215
Ion Ratio Lower Upper
79 100
52 49.1 46.1 69.1
51 31.9 26.1 39.1

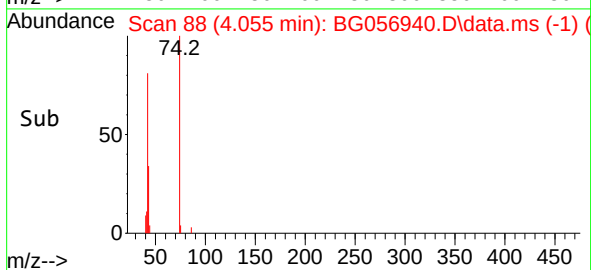
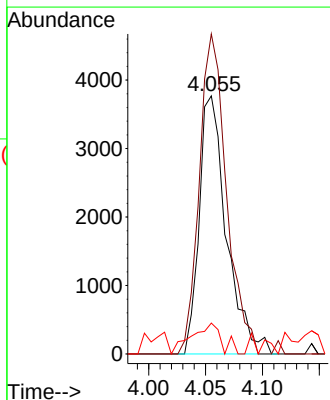
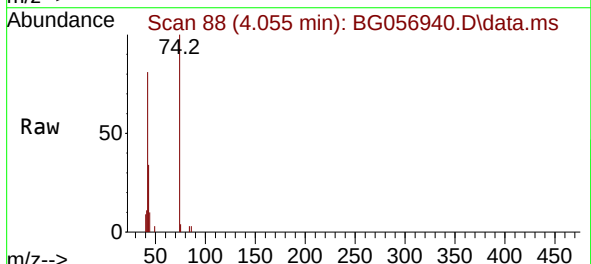
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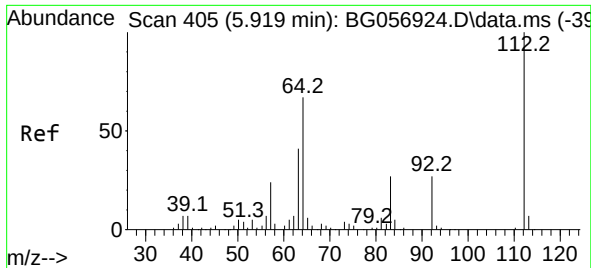
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#4
n-Nitrosodimethylamine
Concen: 9.406 ng
RT: 4.055 min Scan# 88
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

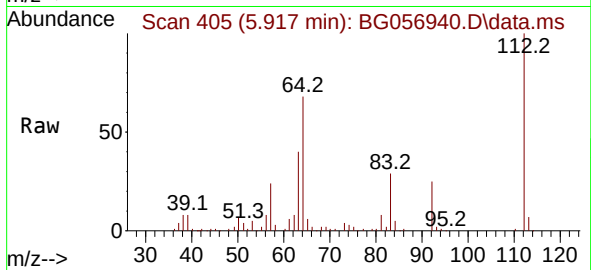
Tgt Ion: 42 Resp: 6271
Ion Ratio Lower Upper
42 100
74 124.0 100.6 151.0
44 12.0 4.6 7.0#





#5
2-Fluorophenol
Concen: 101.772 ng
RT: 5.917 min Scan# 405
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

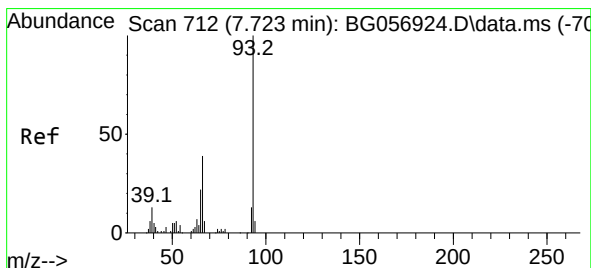
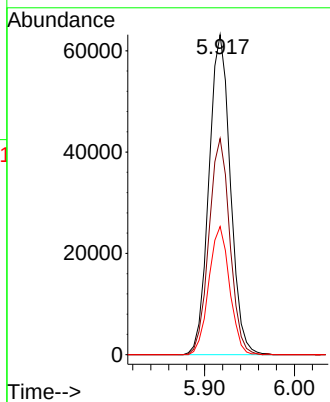
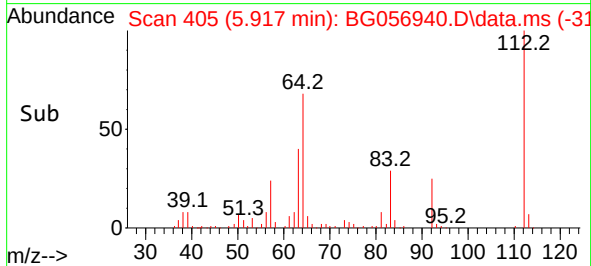
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:112 Resp: 104529
Ion Ratio Lower Upper
112 100
64 67.5 53.2 79.8
63 40.1 32.6 48.8

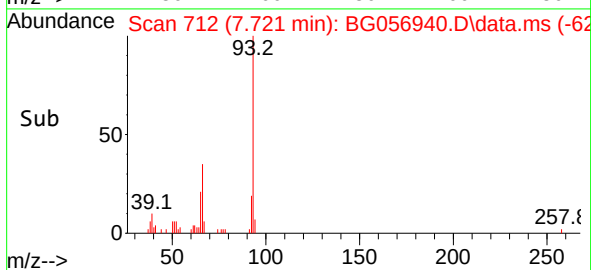
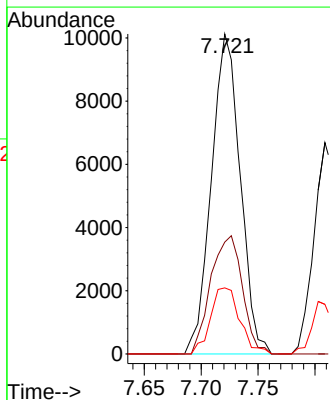
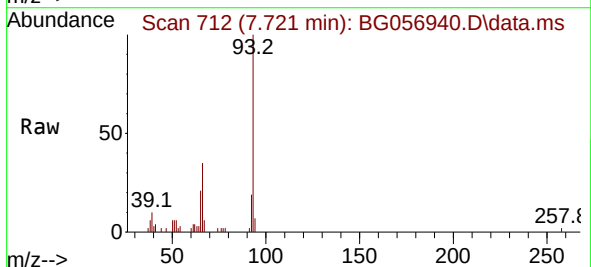
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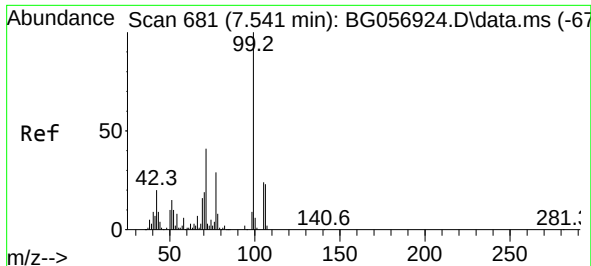
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#6
Aniline
Concen: 9.071 ng
RT: 7.721 min Scan# 712
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

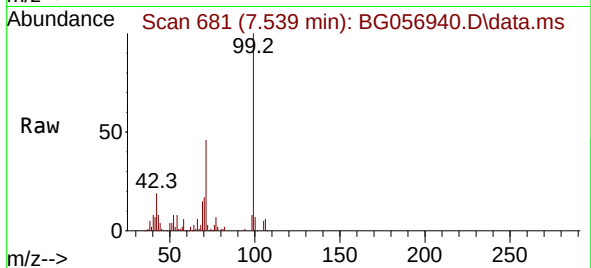
Tgt Ion: 93 Resp: 17813
Ion Ratio Lower Upper
93 100
66 34.9 31.4 47.0
65 20.7 17.3 25.9





#7
Phenol-d6
Concen: 102.718 ng
RT: 7.539 min Scan# 681
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

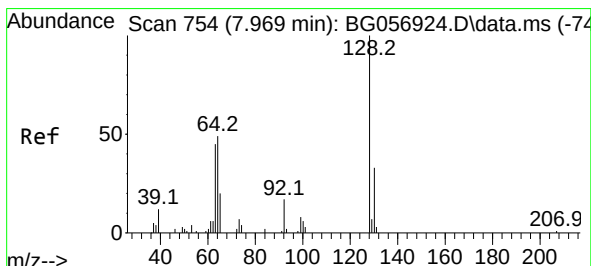
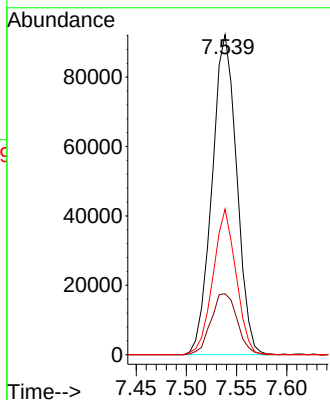
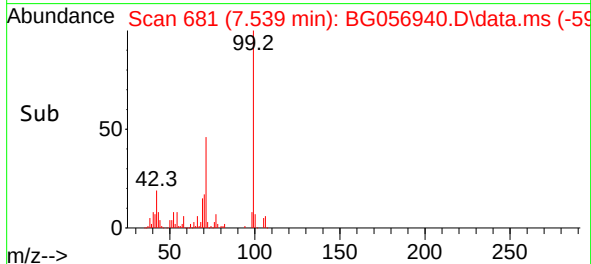
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 99 Resp: 157789
Ion Ratio Lower Upper
99 100
42 19.1 15.7 23.5
71 45.5 32.5 48.7

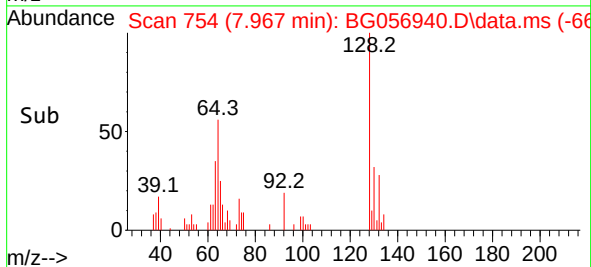
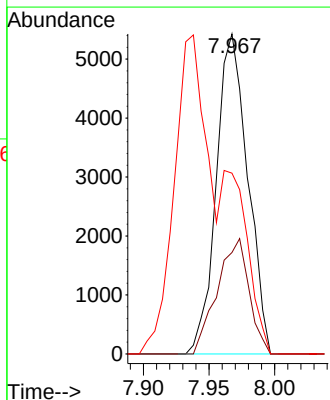
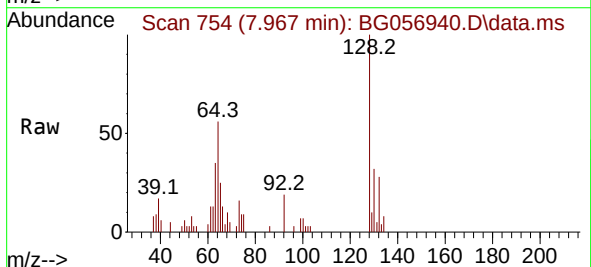
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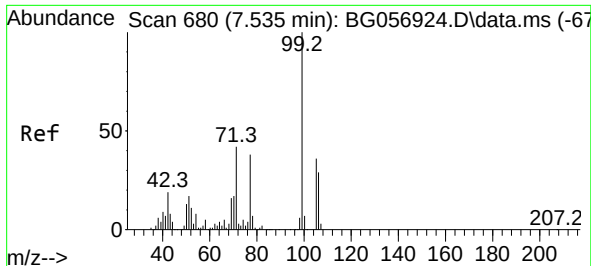
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#8
2-Chlorophenol
Concen: 8.830 ng
RT: 7.967 min Scan# 754
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

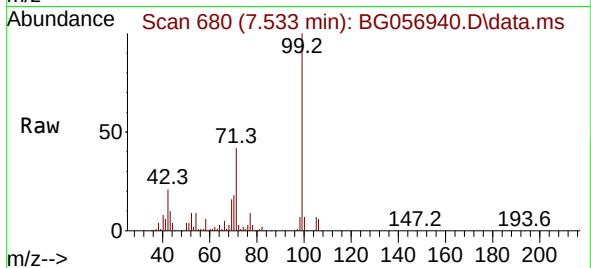
Tgt Ion:128 Resp: 9033
Ion Ratio Lower Upper
128 100
130 31.7 12.6 52.6
64 56.5 40.6 80.6





#9
Benzaldehyde
Concen: 11.948 ng
RT: 7.533 min Scan# 680
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

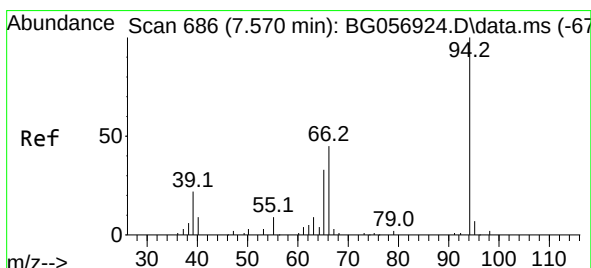
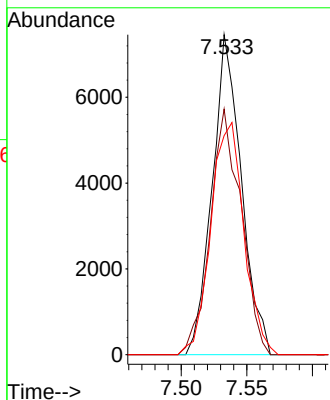
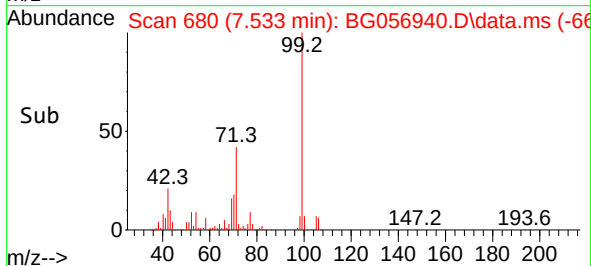
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 77 Resp: 1151
Ion Ratio Lower Upper
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105 76.7 73.6 113.6
106 68.5 56.7 96.7

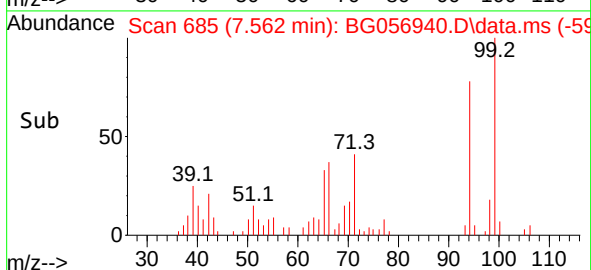
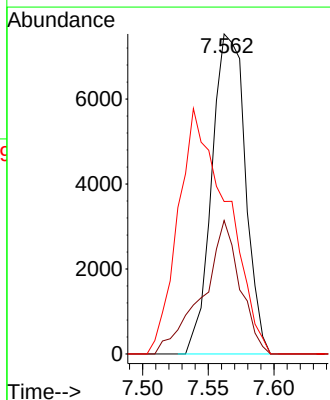
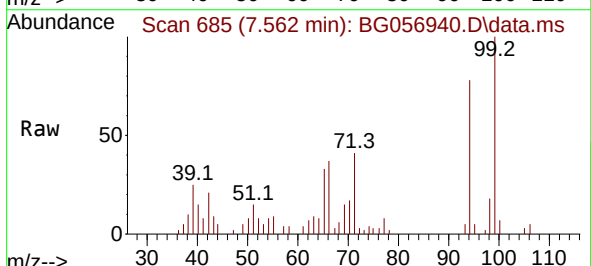
Manual Integrations
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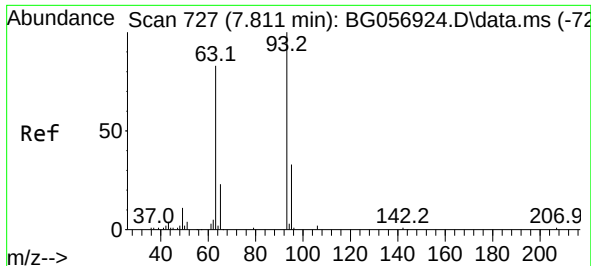
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#10
Phenol
Concen: 8.767 ng
RT: 7.562 min Scan# 685
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

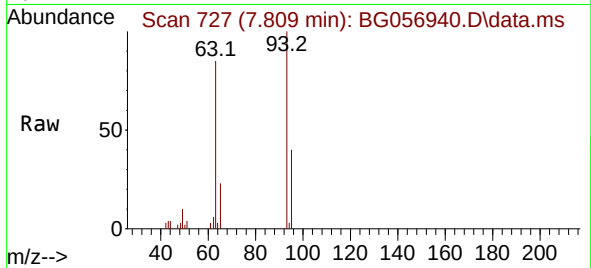
Tgt Ion: 94 Resp: 13345
Ion Ratio Lower Upper
94 100
65 41.7 13.3 53.3
66 47.7 26.7 66.7





#11
bis(2-Chloroethyl)ether
Concen: 9.389 ng
RT: 7.809 min Scan# 727
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

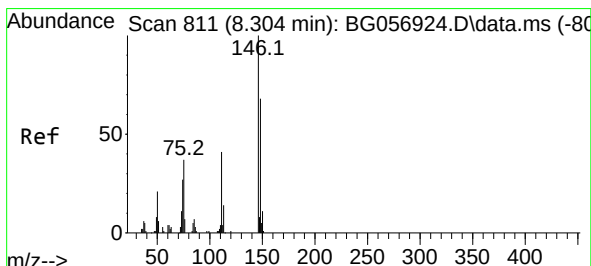
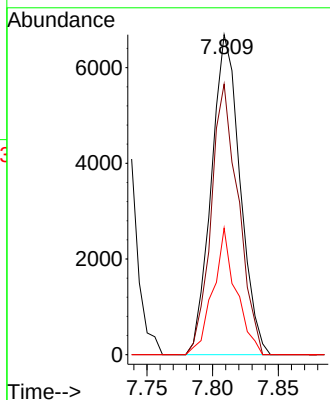
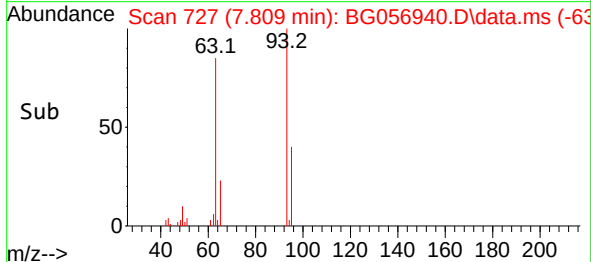
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 93 Resp: 10180
Ion Ratio Lower Upper
93 100
63 84.6 62.7 102.7
95 39.6 12.3 52.3

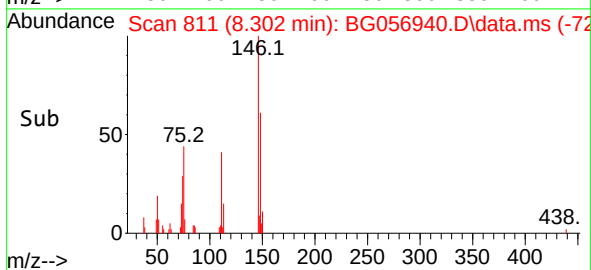
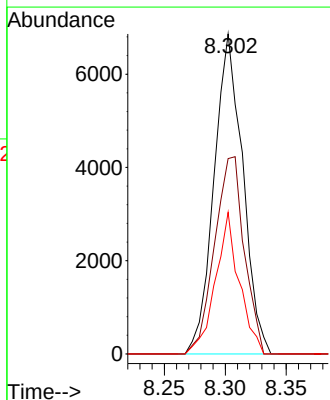
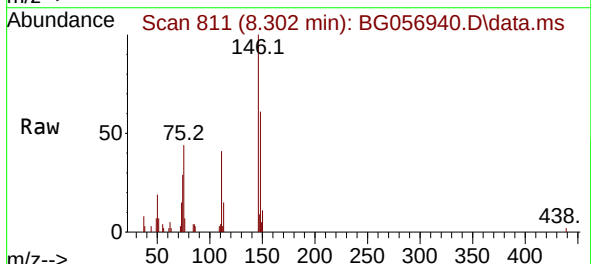
Manual Integrations
APPROVED

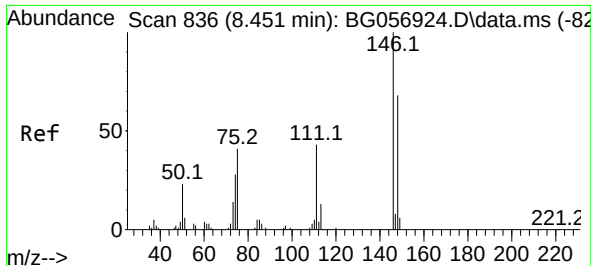
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#12
1,3-Dichlorobenzene
Concen: 9.937 ng
RT: 8.302 min Scan# 811
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

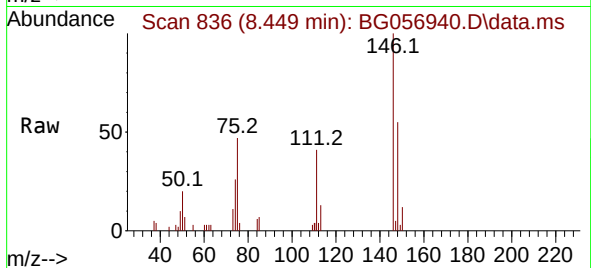
Tgt Ion:146 Resp: 11233
Ion Ratio Lower Upper
146 100
148 61.1 54.2 81.4
75 44.3 29.8 44.8





#13
1,4-Dichlorobenzene
Concen: 9.859 ng
RT: 8.449 min Scan# 811
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

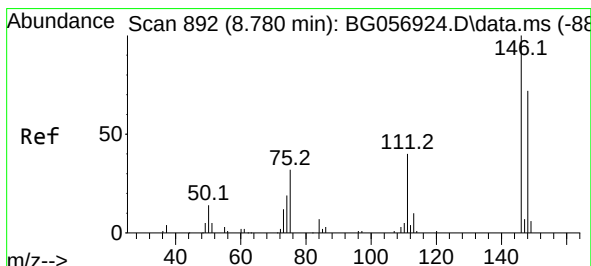
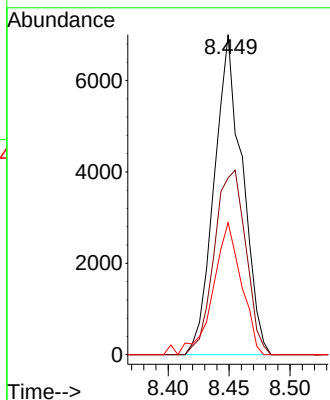
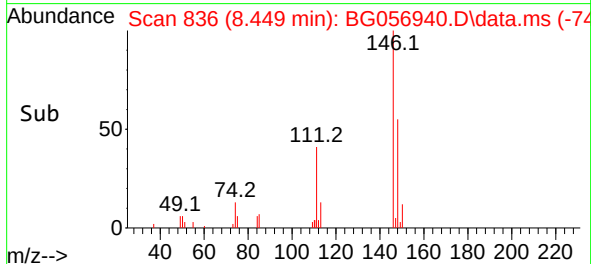
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



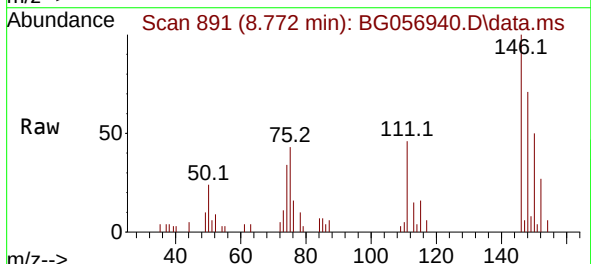
Tgt Ion:146 Resp: 11248
Ion Ratio Lower Upper
146 100
148 55.3 54.8 82.2
111 41.3 34.6 52.0

Manual Integrations
APPROVED

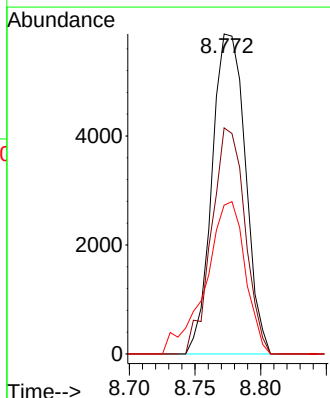
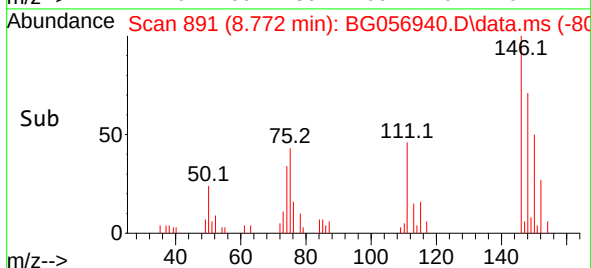
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

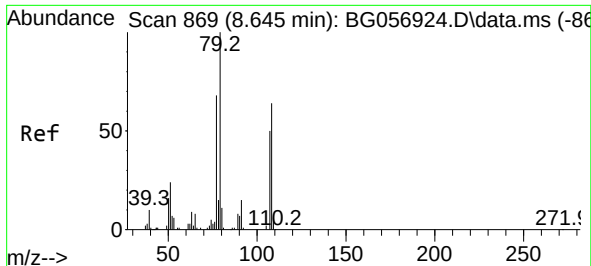


#14
1,2-Dichlorobenzene
Concen: 9.414 ng
RT: 8.772 min Scan# 891
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03



Tgt Ion:146 Resp: 10376
Ion Ratio Lower Upper
146 100
148 70.7 57.4 86.0
111 46.5 33.2 49.8





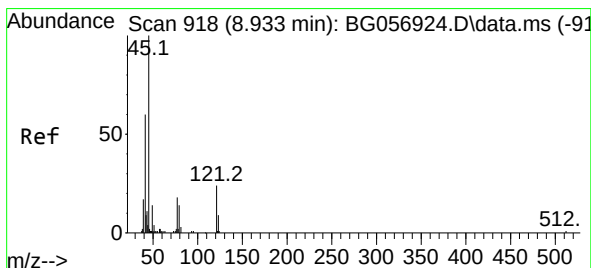
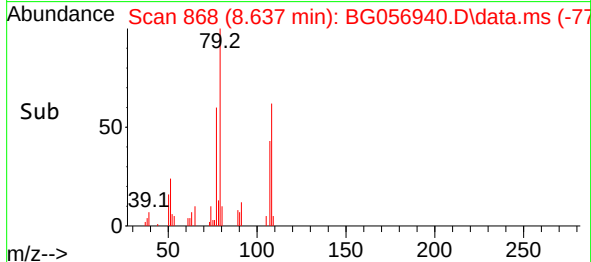
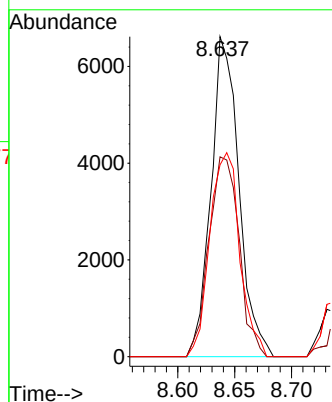
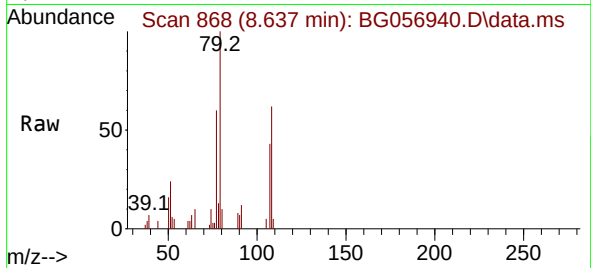
#15
Benzyl Alcohol
Concen: 8.837 ng
RT: 8.637 min Scan# 869
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

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

Tgt Ion: 79 Resp: 11280
Ion Ratio Lower Upper
79 100
108 62.4 51.2 76.8
77 60.0 54.4 81.6

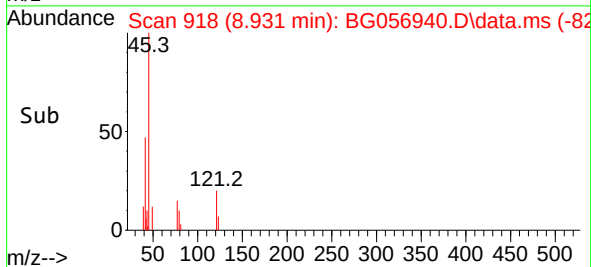
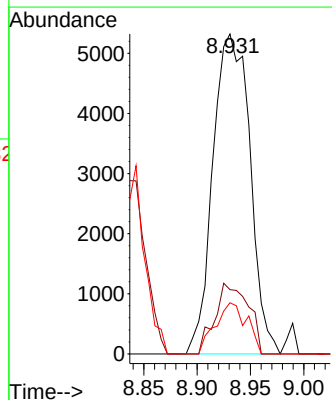
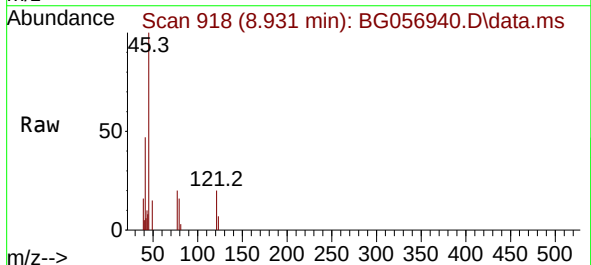
Manual Integrations
APPROVED

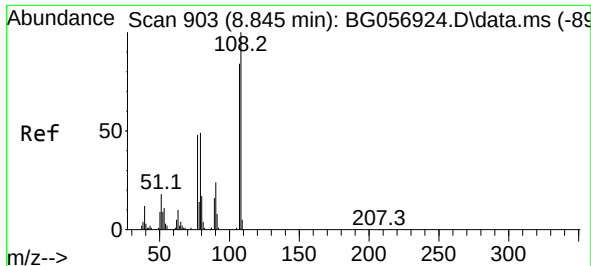
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.835 ng
RT: 8.931 min Scan# 918
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

Tgt Ion: 45 Resp: 12851
Ion Ratio Lower Upper
45 100
77 20.1 0.0 38.7
79 16.0 0.0 35.1





#17

2-Methylphenol

Concen: 8.655 ng

RT: 8.837 min Scan# 903

Delta R.T. -0.008 min

Lab File: BG056940.D

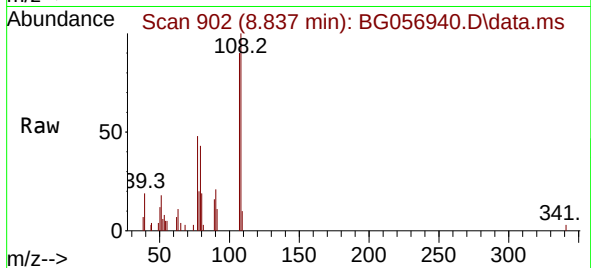
Acq: 31 Mar 2023 12:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023



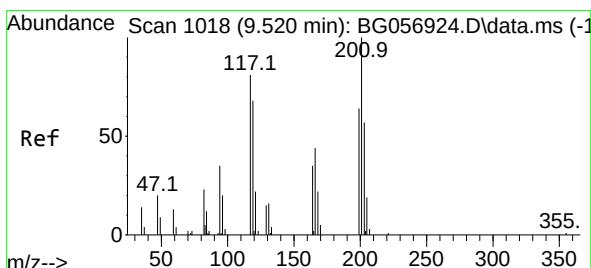
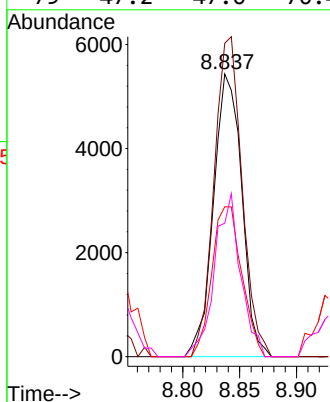
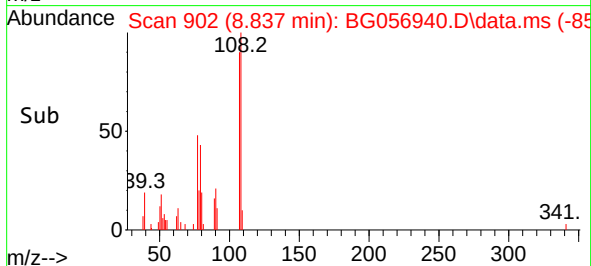
Tgt Ion:	107	Resp:	939
Ion Ratio	Lower	Upper	
107	100		
108	110.9	96.0	144.0
77	53.0	45.6	68.4
79	47.2	47.0	70.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#18

Hexachloroethane

Concen: 9.240 ng

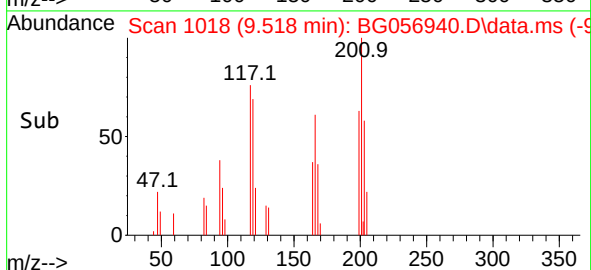
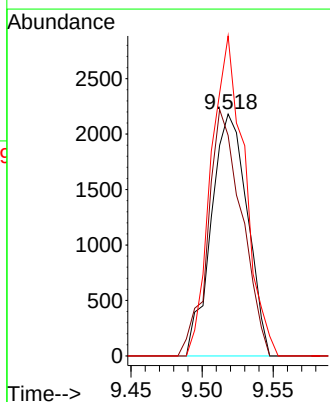
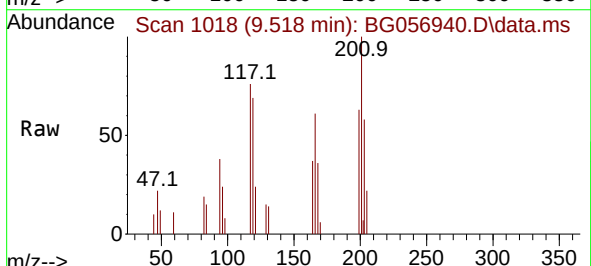
RT: 9.518 min Scan# 1018

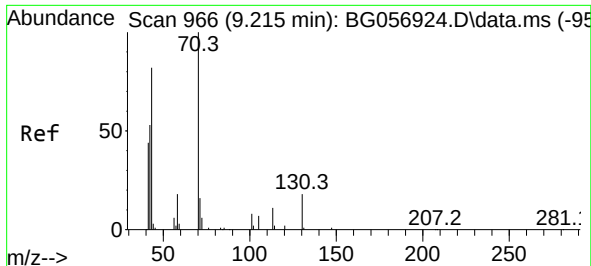
Delta R.T. -0.002 min

Lab File: BG056940.D

Acq: 31 Mar 2023 12:03

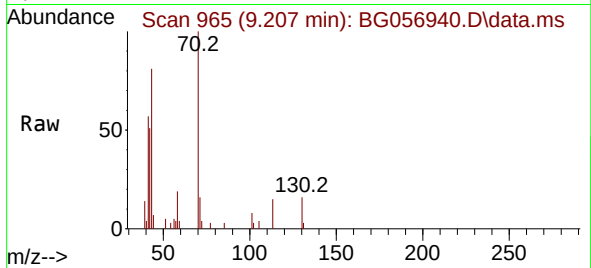
Tgt Ion:	117	Resp:	3853
Ion Ratio	Lower	Upper	
117	100		
119	91.2	67.0	100.6
201	132.3	98.7	148.1





#19
n-Nitroso-di-n-propylamine
Concen: 9.135 ng
RT: 9.207 min Scan# 910
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

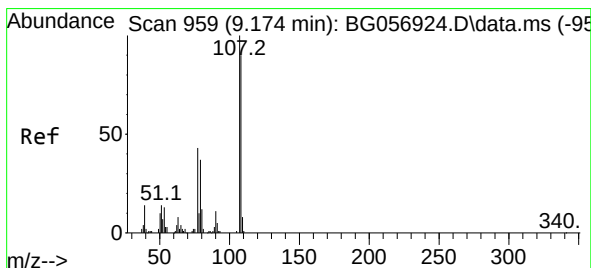
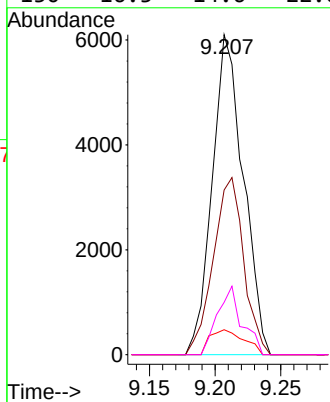
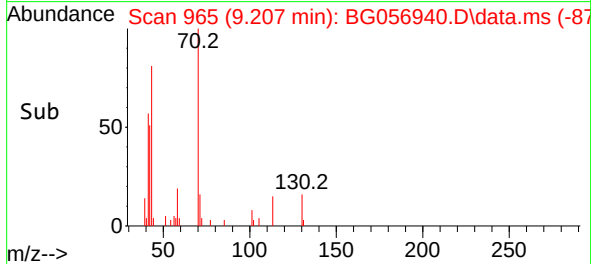
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:	70	Resp:	1003
Ion	Ratio	Lower	Upper
70	100		
42	51.5	43.4	65.0
101	7.8	6.2	9.2
130	16.3	14.6	22.0

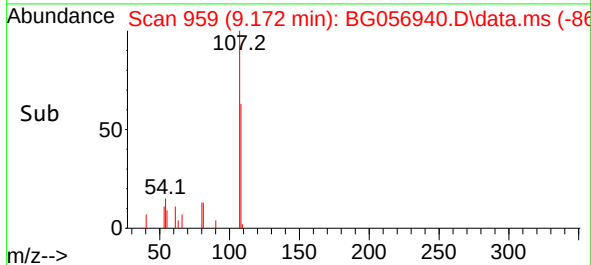
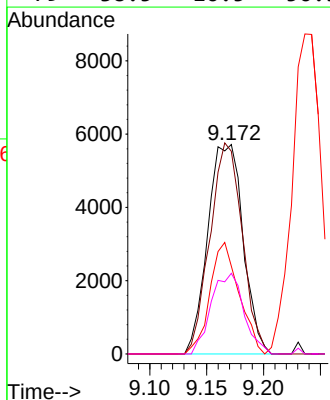
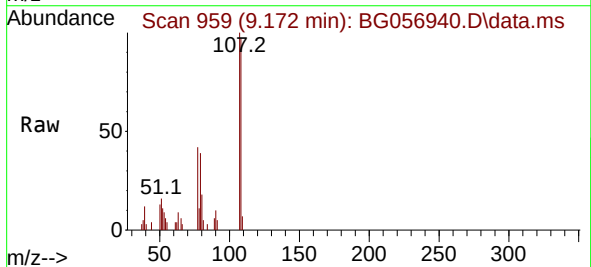
Manual Integrations
APPROVED

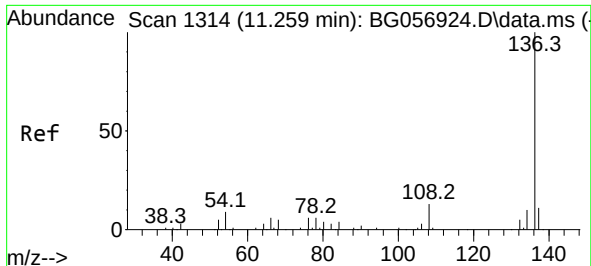
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#20
3+4-Methylphenols
Concen: 8.115 ng
RT: 9.172 min Scan# 959
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

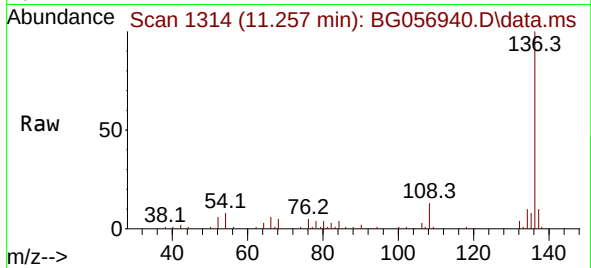
Tgt Ion:	107	Resp:	12323
Ion	Ratio	Lower	Upper
107	100		
108	96.8	69.9	109.9
77	42.0	22.7	62.7
79	38.5	16.5	56.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.257 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

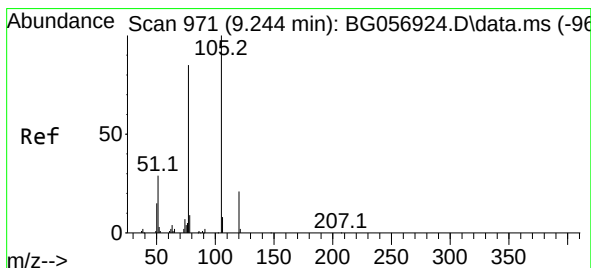
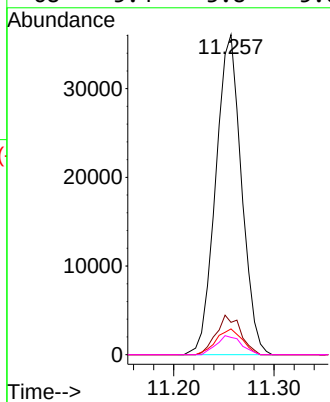
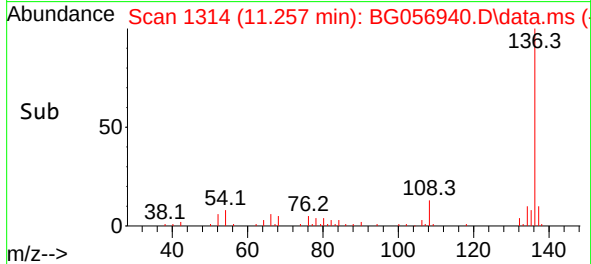
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:136 Resp: 64234
Ion Ratio Lower Upper
136 100
137 10.1 8.6 13.0
54 8.0 6.9 10.3
68 5.4 3.8 5.6

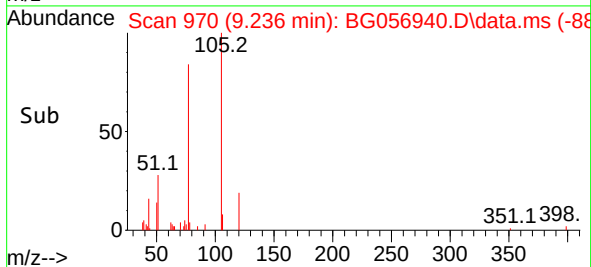
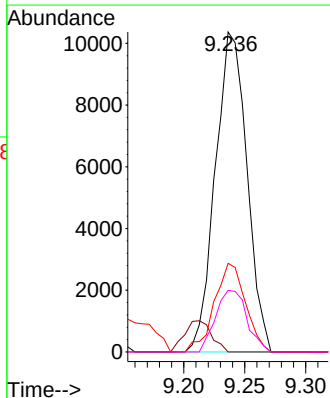
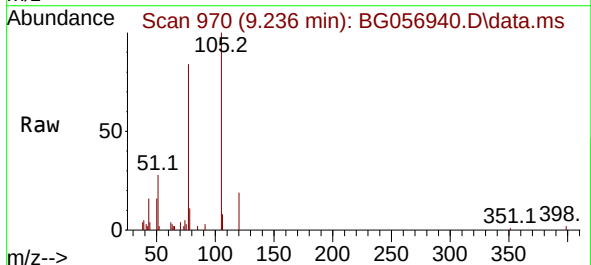
Manual Integrations
APPROVED

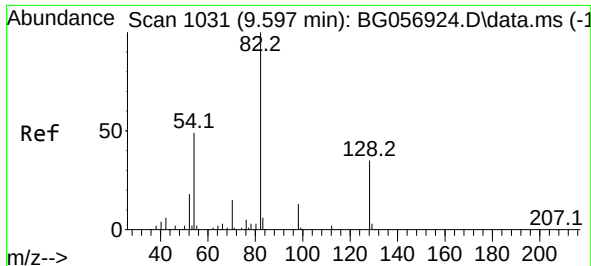
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#22
Acetophenone
Concen: 9.777 ng
RT: 9.236 min Scan# 970
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

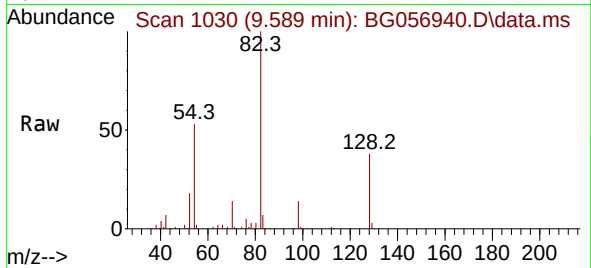
Tgt Ion:105 Resp: 18688
Ion Ratio Lower Upper
105 100
71 0.0 0.7 1.1#
51 27.7 23.8 35.8
120 19.3 17.0 25.4





#23
Nitrobenzene-d5
Concen: 78.024 ng
RT: 9.589 min Scan# 1030
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

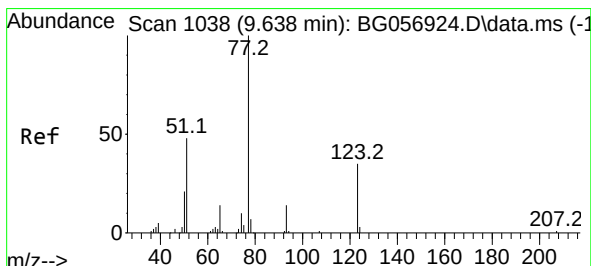
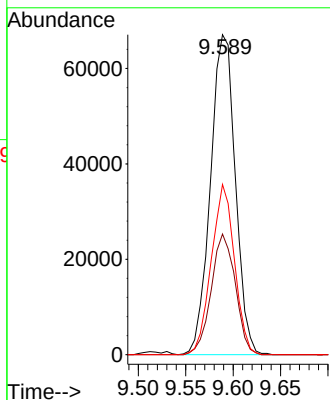
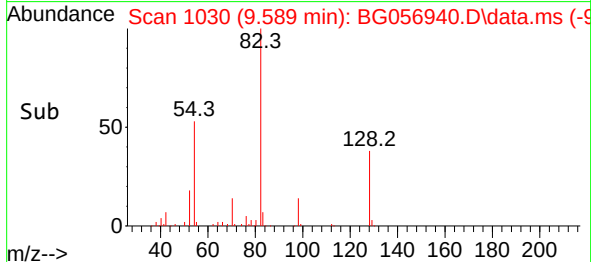
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 82 Resp: 122485
Ion Ratio Lower Upper
82 100
128 37.7 27.9 41.9
54 53.2 39.4 59.2

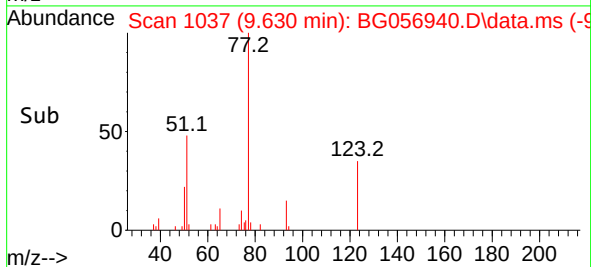
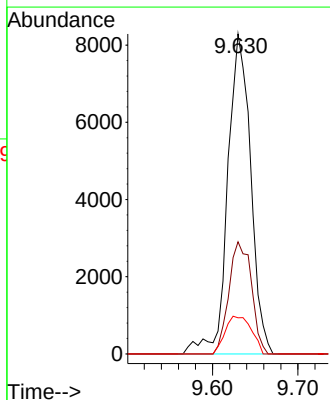
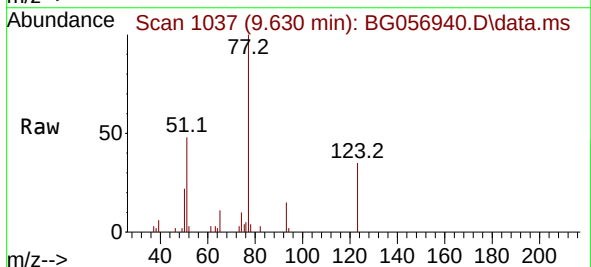
Manual Integrations
APPROVED

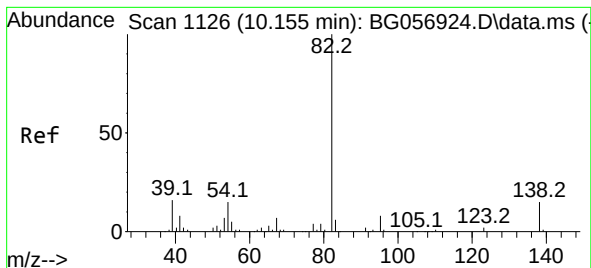
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#24
Nitrobenzene
Concen: 9.676 ng
RT: 9.630 min Scan# 1037
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

Tgt Ion: 77 Resp: 15530
Ion Ratio Lower Upper
77 100
123 35.1 27.6 41.4
65 11.3 11.5 17.3#





#25

Isophorone

Concen: 9.244 ng

RT: 10.153 min Scan# 1126

Delta R.T. -0.002 min

Lab File: BG056940.D

Acq: 31 Mar 2023 12:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

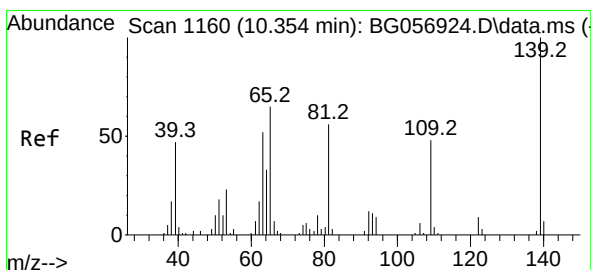
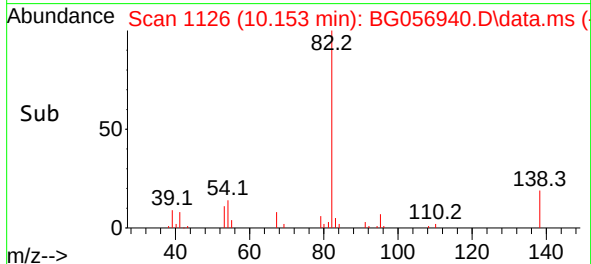
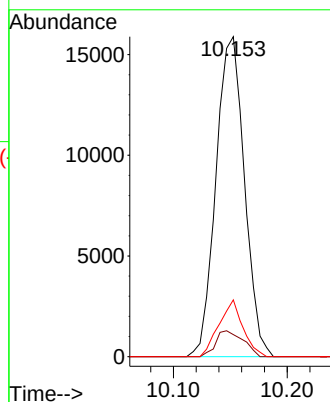
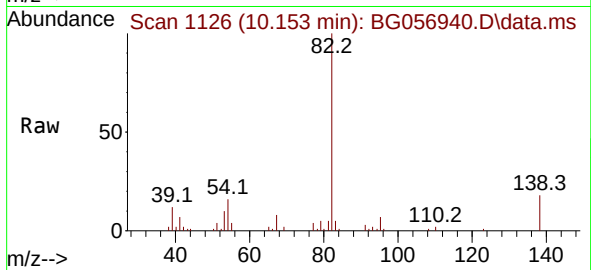
Tgt Ion:	82	Resp:	2763
Ion Ratio	Lower	Upper	
82	100		
95	6.9	6.3	9.5
138	17.8	11.8	17.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#26

2-Nitrophenol

Concen: 9.569 ng

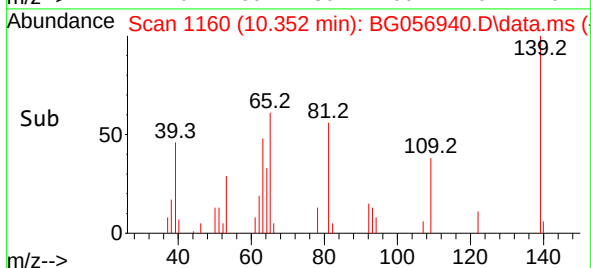
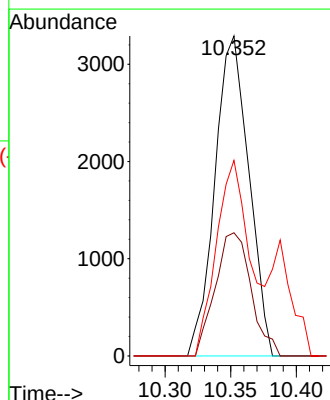
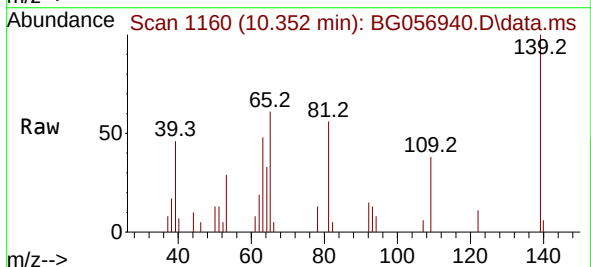
RT: 10.352 min Scan# 1160

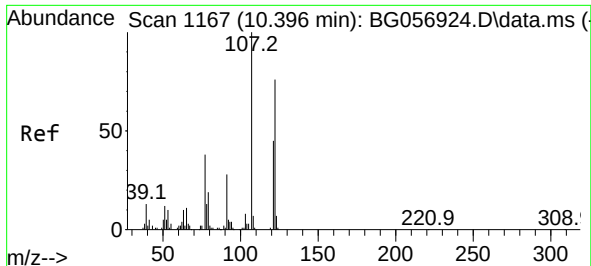
Delta R.T. -0.002 min

Lab File: BG056940.D

Acq: 31 Mar 2023 12:03

Tgt Ion:	139	Resp:	5928
Ion Ratio	Lower	Upper	
139	100		
109	38.5	38.2	57.4
65	61.1	51.8	77.8





#27

2,4-Dimethylphenol

Concen: 9.494 ng

RT: 10.388 min Scan# 1166

Delta R.T. -0.008 min

Lab File: BG056940.D

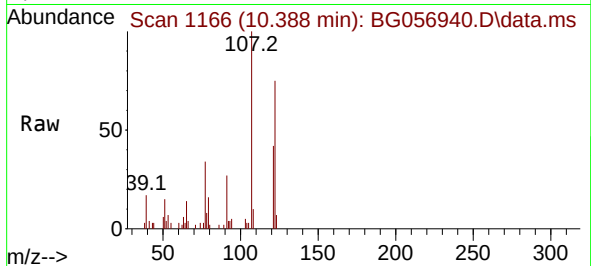
Acq: 31 Mar 2023 12:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023



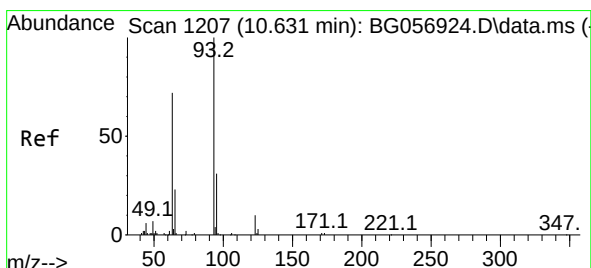
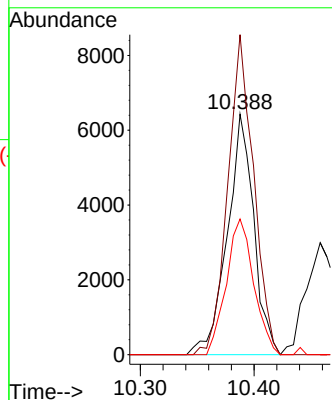
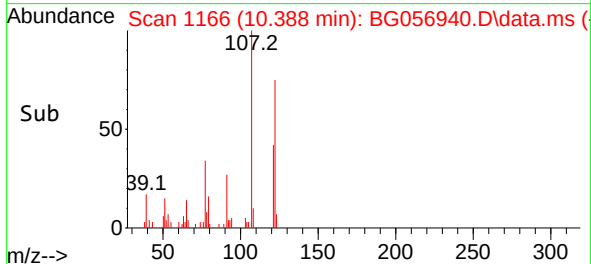
Tgt Ion:	122	Resp:	10388
Ion	Ratio	Lower	Upper
122	100		
107	133.1	105.7	158.5
121	56.4	48.0	72.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#28

bis(2-Chloroethoxy)methane

Concen: 9.539 ng

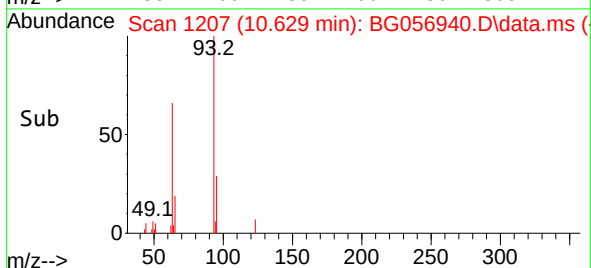
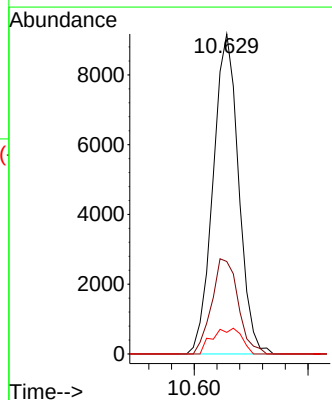
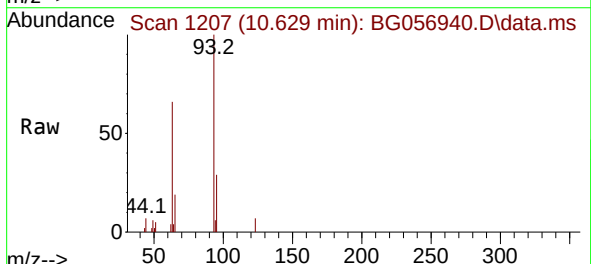
RT: 10.629 min Scan# 1207

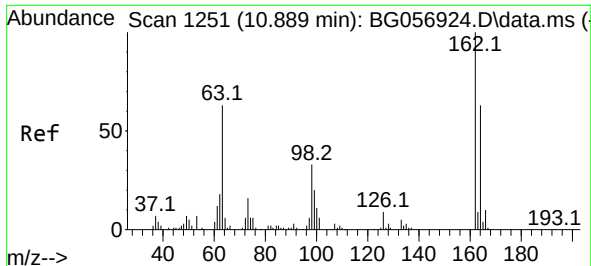
Delta R.T. -0.002 min

Lab File: BG056940.D

Acq: 31 Mar 2023 12:03

Tgt Ion:	93	Resp:	14276
Ion	Ratio	Lower	Upper
93	100		
95	28.9	24.6	37.0
123	6.7	7.8	11.6





#29

2,4-Dichlorophenol

Concen: 8.809 ng

RT: 10.887 min Scan# 1251

Delta R.T. -0.002 min

Lab File: BG056940.D

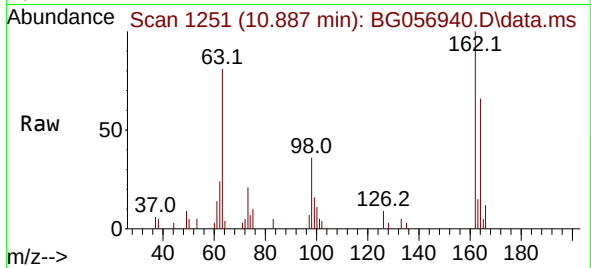
Acq: 31 Mar 2023 12:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023



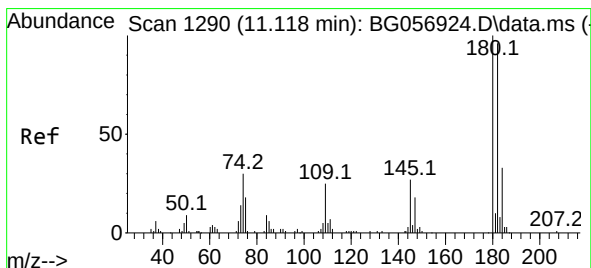
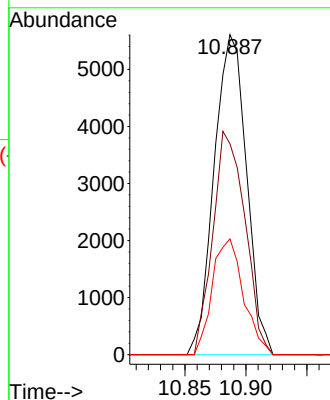
Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.9	43.4	83.4
98	36.2	12.5	52.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#30

1,2,4-Trichlorobenzene

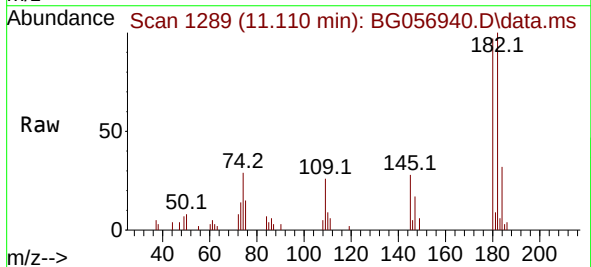
Concen: 9.396 ng

RT: 11.110 min Scan# 1289

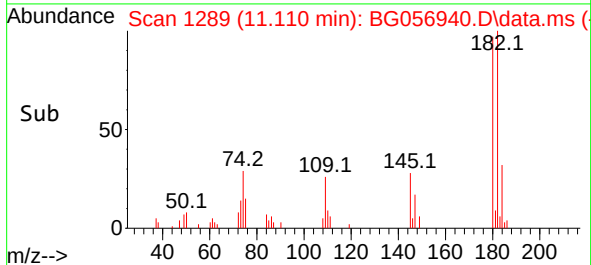
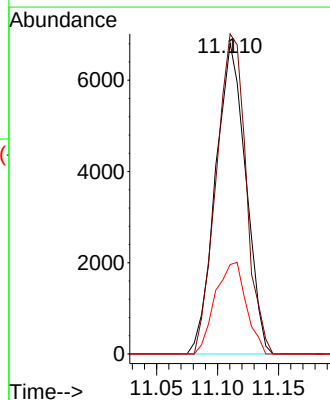
Delta R.T. -0.008 min

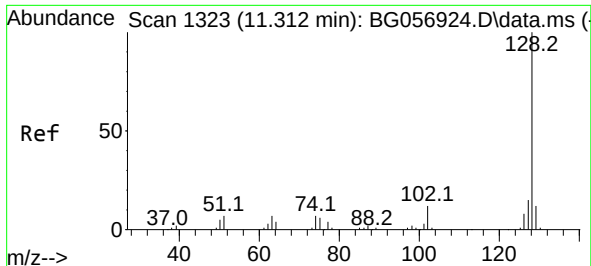
Lab File: BG056940.D

Acq: 31 Mar 2023 12:03



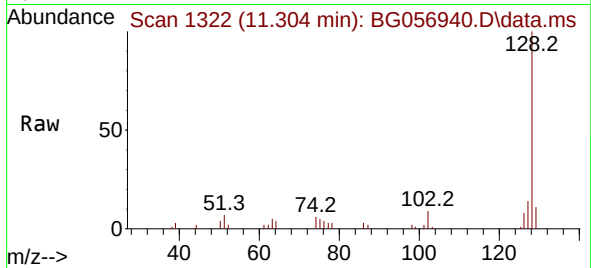
Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.0	77.1	115.7
145	28.8	21.3	31.9





#31
Naphthalene
Concen: 9.470 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

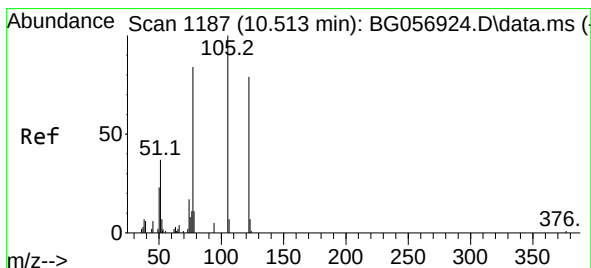
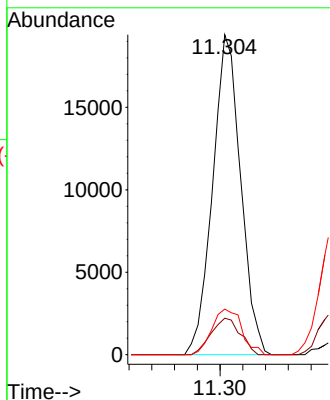
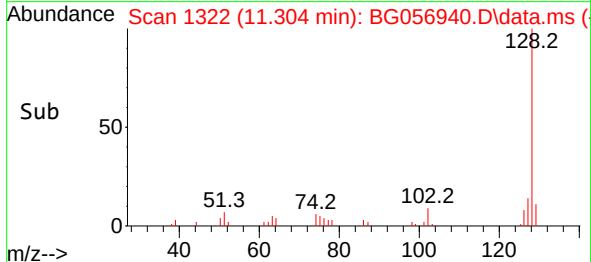
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:128 Resp: 3315
Ion Ratio Lower Upper
128 100
129 11.4 9.4 14.2
127 14.3 12.2 18.4

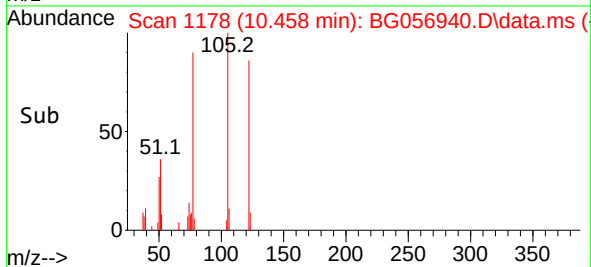
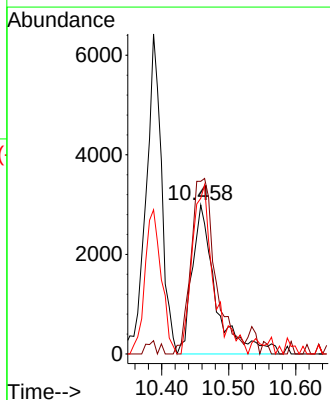
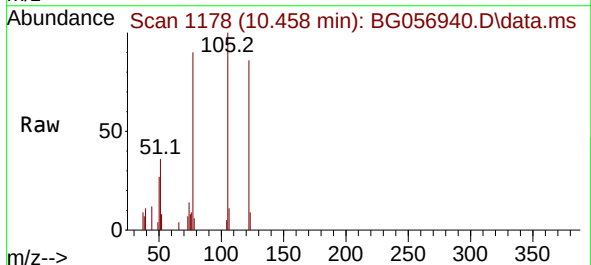
Manual Integrations
APPROVED

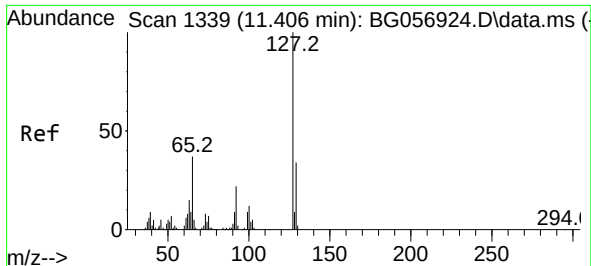
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#32
Benzoic acid
Concen: 9.763 ng m
RT: 10.458 min Scan# 1178
Delta R.T. -0.055 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

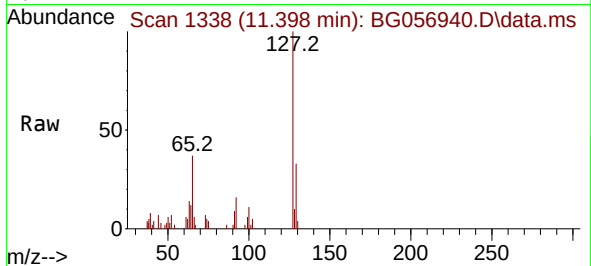
Tgt Ion:122 Resp: 7335
Ion Ratio Lower Upper
122 100
105 115.8 105.4 145.4
77 104.5 87.4 127.4





#33
4-Chloroaniline
Concen: 9.070 ng
RT: 11.398 min Scan# 1139
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

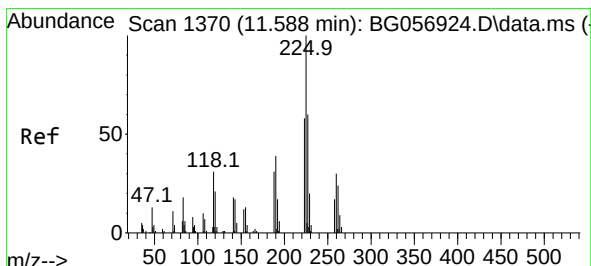
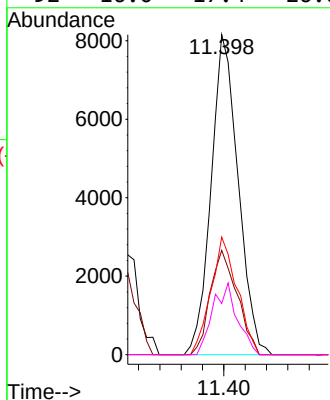
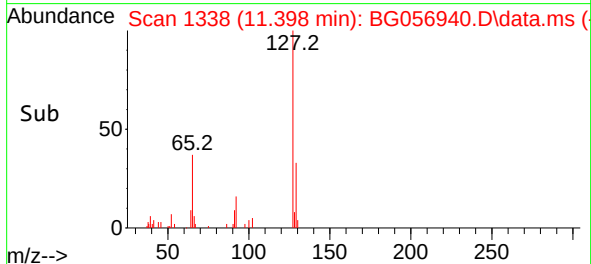
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.6	27.6	41.4
65	36.7	29.8	44.8
92	16.0	17.4	26.0

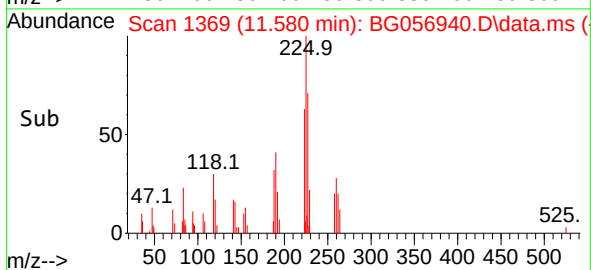
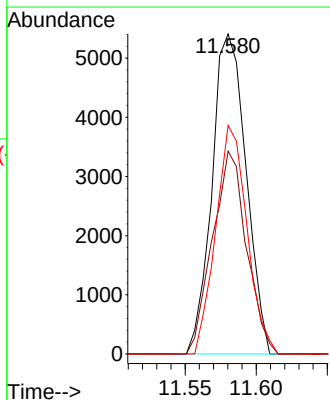
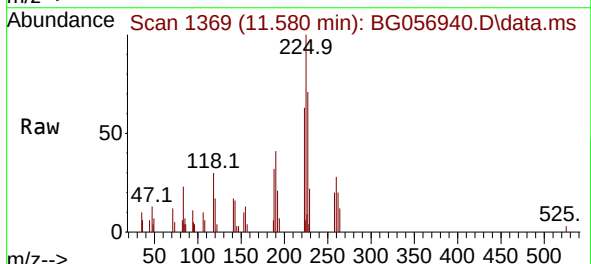
Manual Integrations
APPROVED

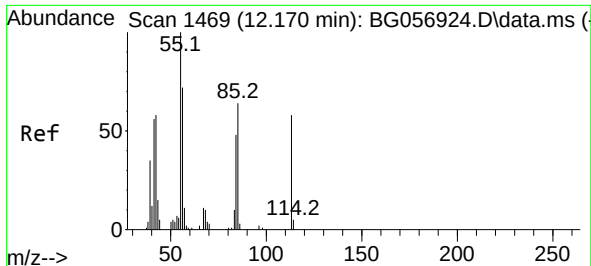
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#34
Hexachlorobutadiene
Concen: 9.599 ng
RT: 11.580 min Scan# 1369
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

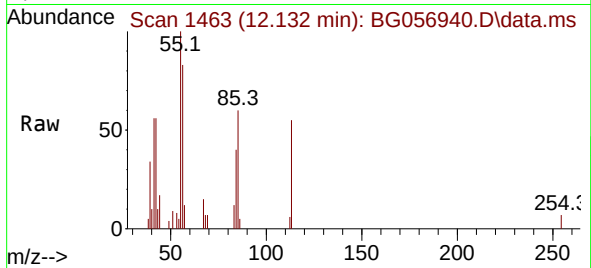
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	46.4	69.6
227	71.4	48.0	72.0





#35
Caprolactam
Concen: 9.409 ng
RT: 12.132 min Scan# 1463
Delta R.T. -0.037 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

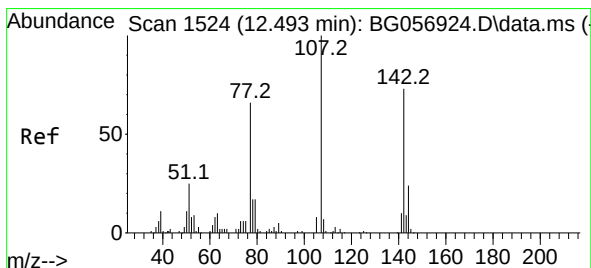
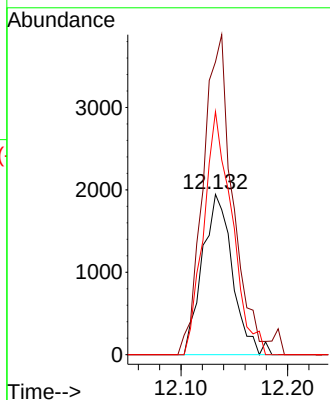
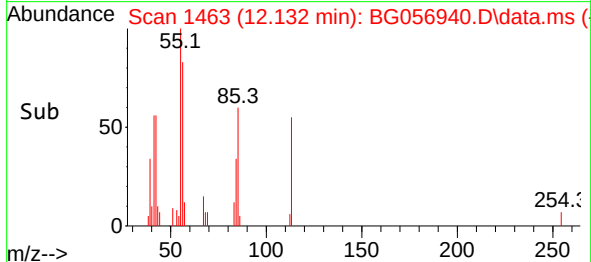
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:113 Resp: 381
Ion Ratio Lower Upper
113 100
55 182.6 151.6 191.6
56 151.6 103.7 143.7

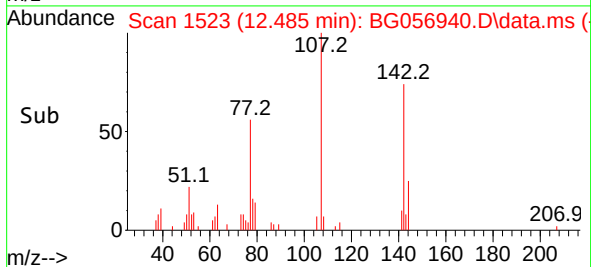
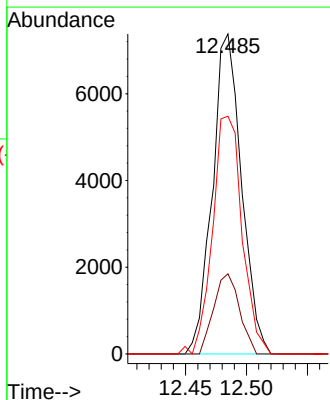
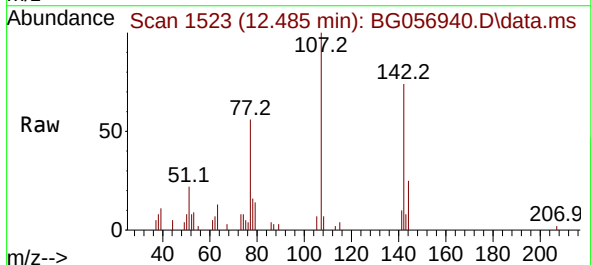
Manual Integrations
APPROVED

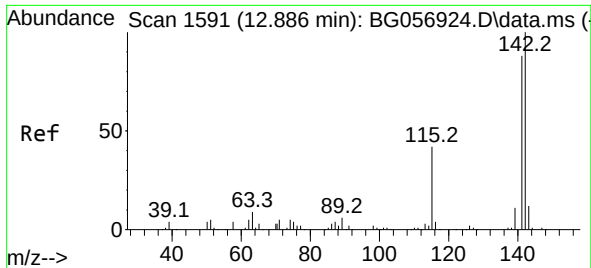
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#36
4-Chloro-3-methylphenol
Concen: 9.345 ng
RT: 12.485 min Scan# 1523
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

Tgt Ion:107 Resp: 12293
Ion Ratio Lower Upper
107 100
144 25.1 19.0 28.4
142 74.3 58.6 88.0





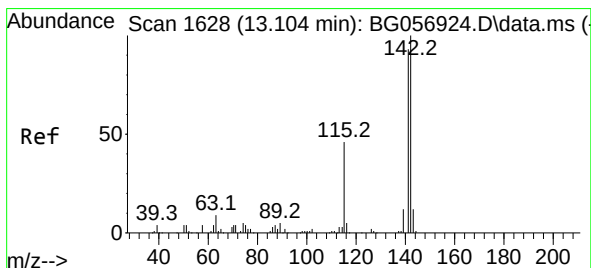
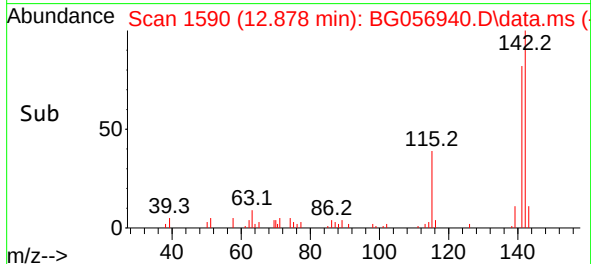
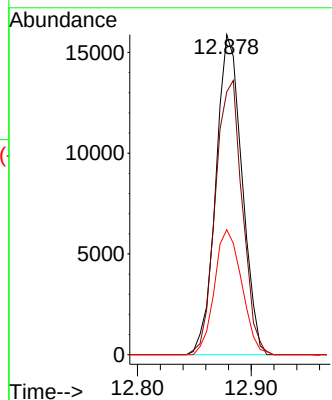
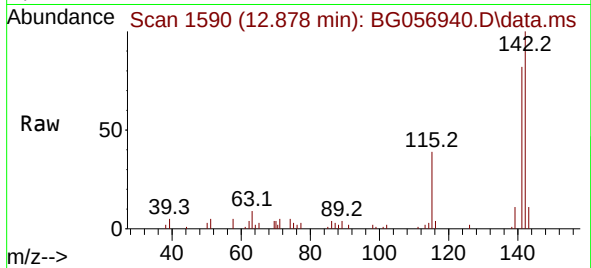
#37
2-Methylnaphthalene
Concen: 9.127 ng
RT: 12.878 min Scan# 1591
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

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

Tgt Ion:142 Resp: 2536
Ion Ratio Lower Upper
142 100
141 82.1 70.3 105.5
115 39.0 33.5 50.3

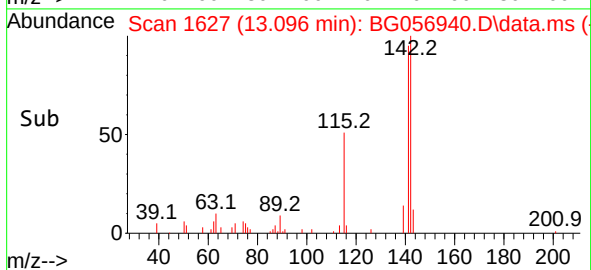
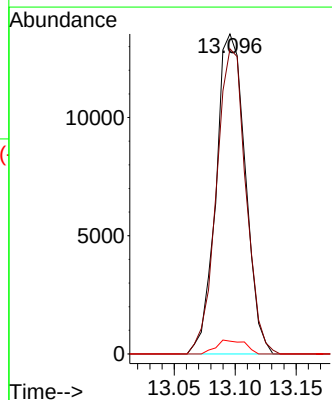
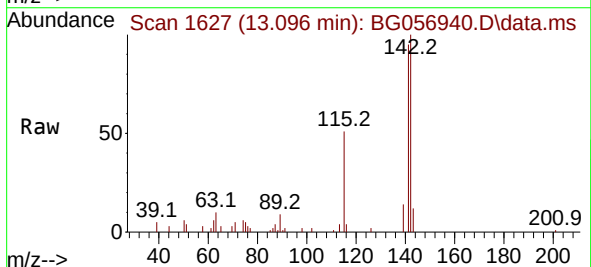
Manual Integrations
APPROVED

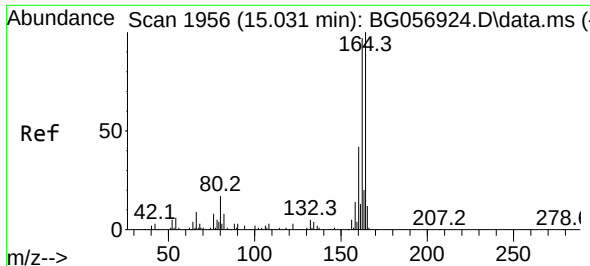
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#38
1-Methylnaphthalene
Concen: 8.682 ng
RT: 13.096 min Scan# 1627
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

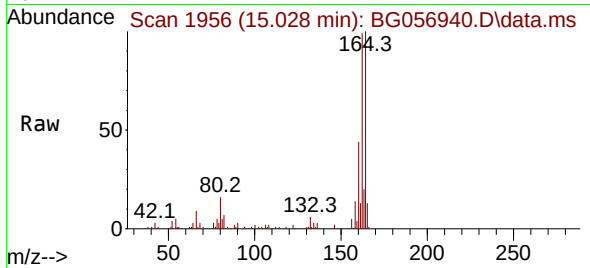
Tgt Ion:142 Resp: 22654
Ion Ratio Lower Upper
142 100
141 95.3 74.0 111.0
116 4.0 3.7 5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.028 min Scan# 1956
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

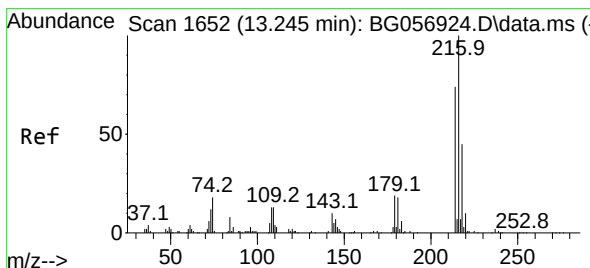
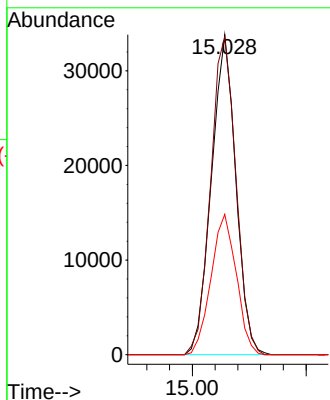
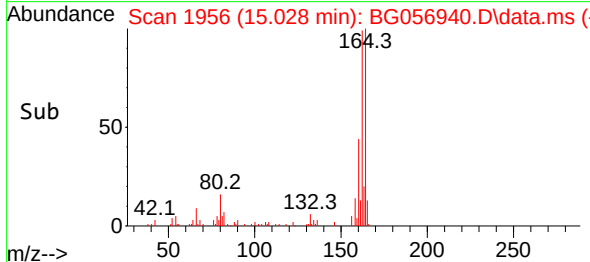
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



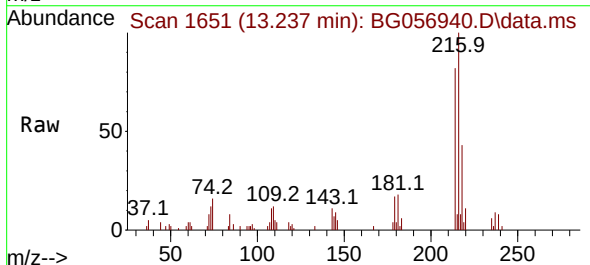
Tgt Ion:164 Resp: 50400
Ion Ratio Lower Upper
164 100
162 99.2 77.8 116.8
160 43.8 33.5 50.3

Manual Integrations
APPROVED

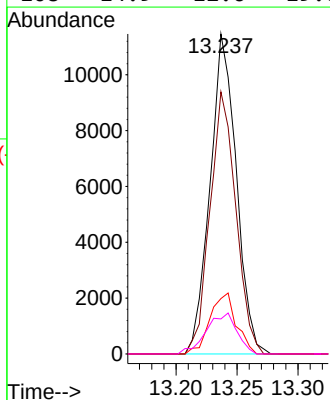
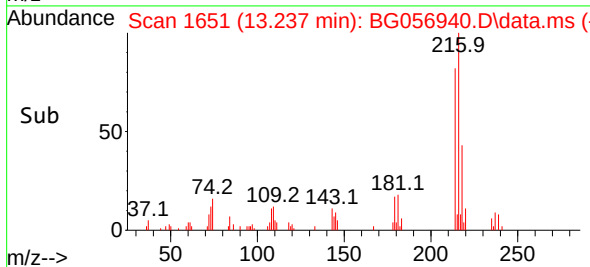
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

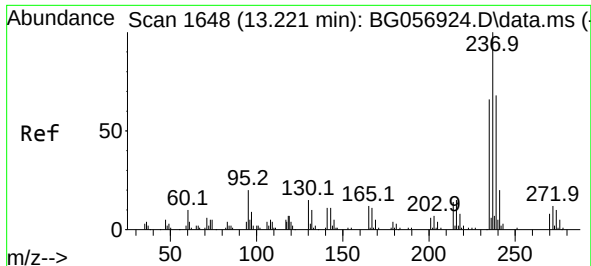


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.816 ng
RT: 13.237 min Scan# 1651
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03



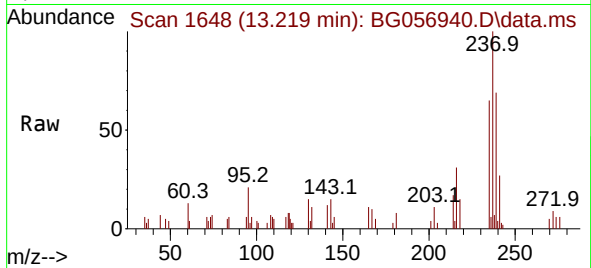
Tgt Ion:216 Resp: 17155
Ion Ratio Lower Upper
216 100
214 80.8 63.3 94.9
179 19.0 15.0 22.6
108 14.9 12.6 19.0





#41
Hexachlorocyclopentadiene
Concen: 10.243 ng
RT: 13.219 min Scan# 1648
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

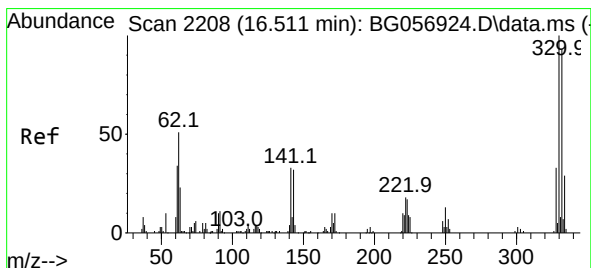
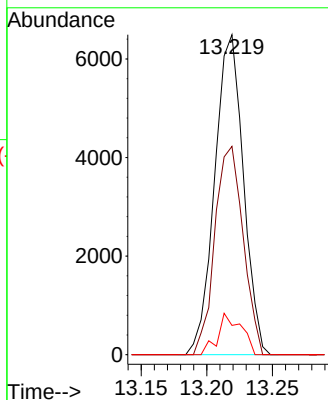
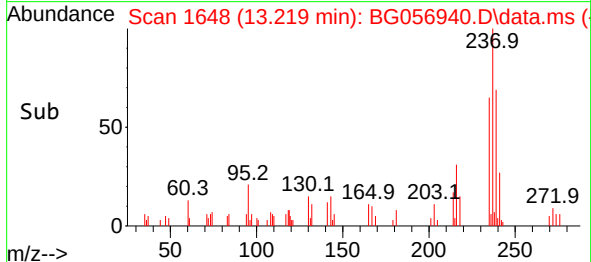
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



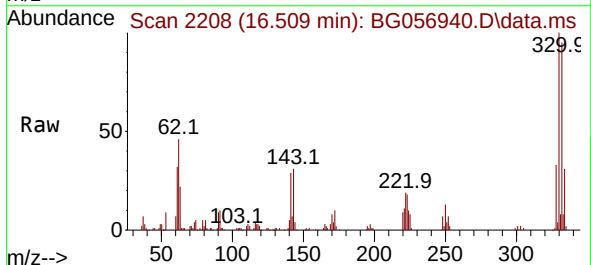
Tgt Ion: 237 Resp: 9864
Ion Ratio Lower Upper
237 100
235 65.1 45.9 85.9
272 9.2 0.0 32.3

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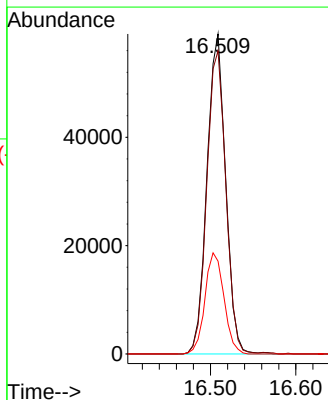
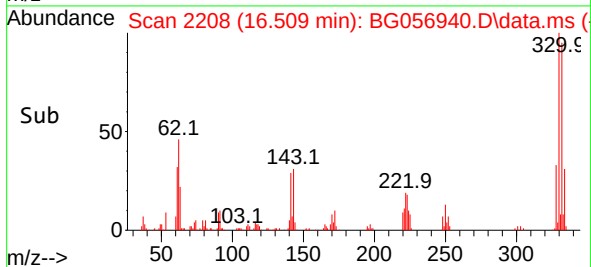
Reviewed By : Christian Giraldo 04/03/2023
Supervised By : Jagrut Upadhyay 04/03/2023

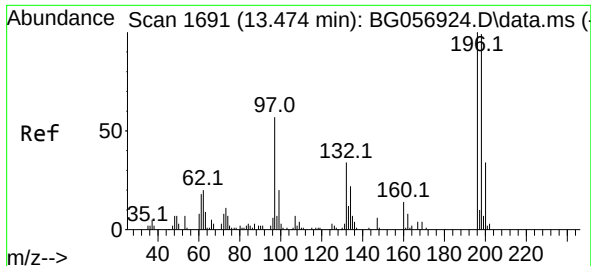


#42
2,4,6-Tribromophenol
Concen: 111.707 ng
RT: 16.509 min Scan# 2208
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03



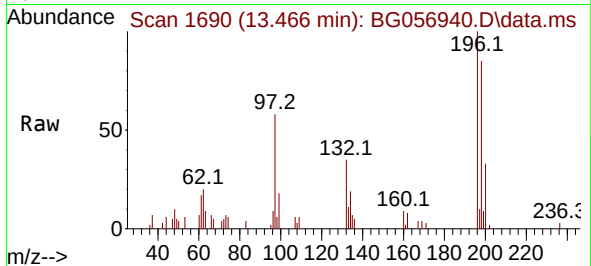
Tgt Ion: 330 Resp: 89942
Ion Ratio Lower Upper
330 100
332 96.4 76.1 114.1
141 32.2 25.8 38.6





#43
2,4,6-Trichlorophenol
Concen: 9.053 ng
RT: 13.466 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

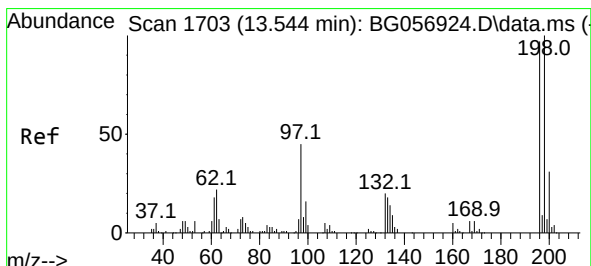
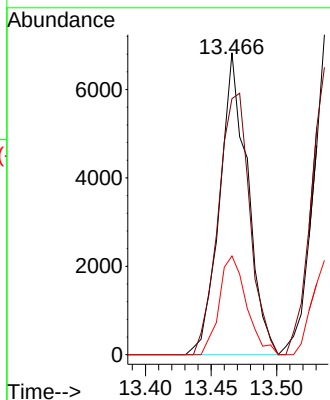
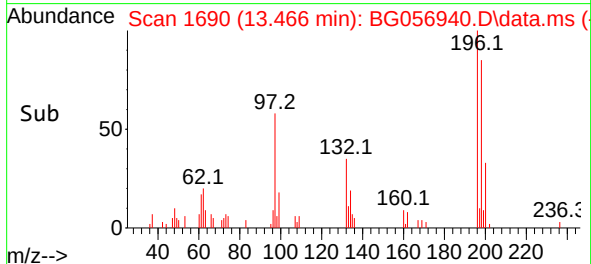
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:196 Resp: 1009
Ion Ratio Lower Upper
196 100
198 84.8 79.1 118.7
200 32.7 27.2 40.8

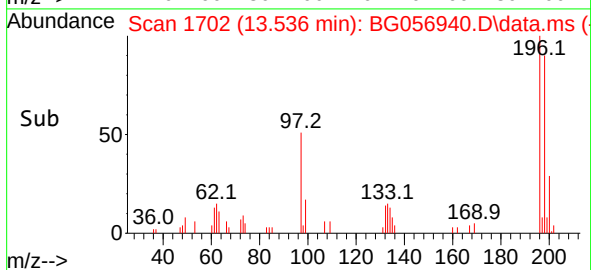
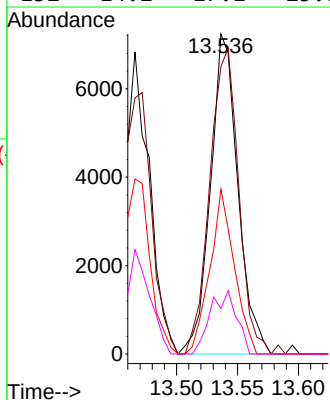
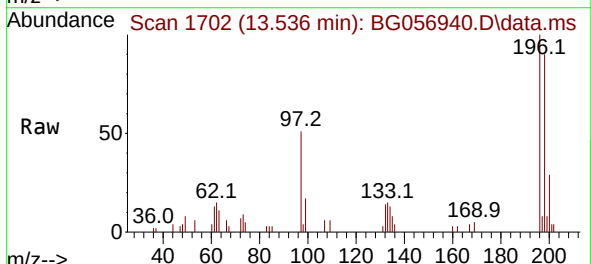
Manual Integrations
APPROVED

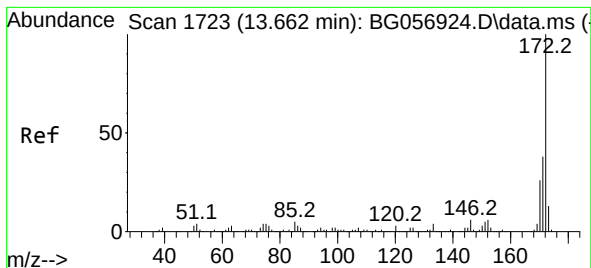
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#44
2,4,5-Trichlorophenol
Concen: 8.583 ng
RT: 13.536 min Scan# 1702
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

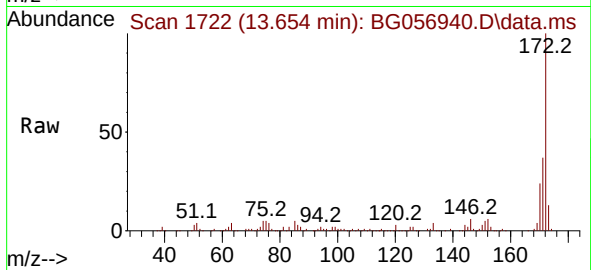
Tgt Ion:196 Resp: 11340
Ion Ratio Lower Upper
196 100
198 89.8 82.5 123.7
97 51.4 37.0 55.6
132 14.2 17.1 25.7#





#45
2-Fluorobiphenyl
Concen: 80.474 ng
RT: 13.654 min Scan# 1722
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

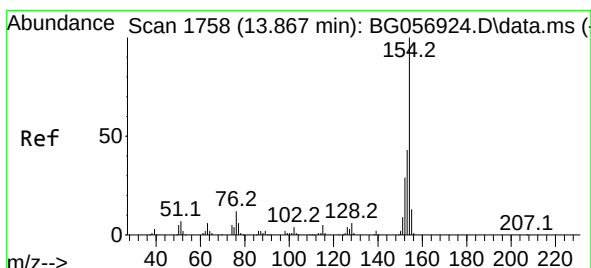
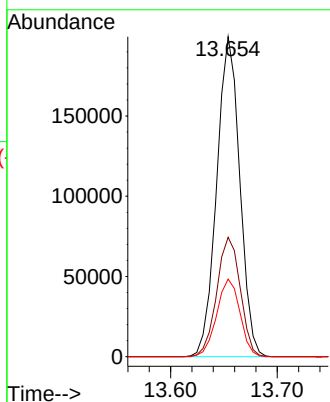
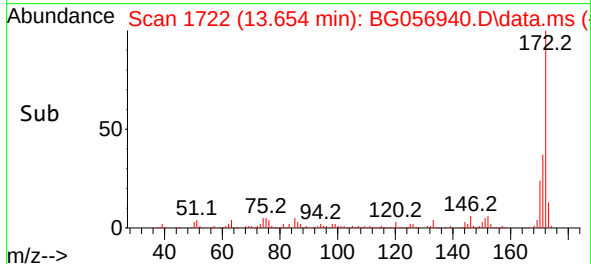
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



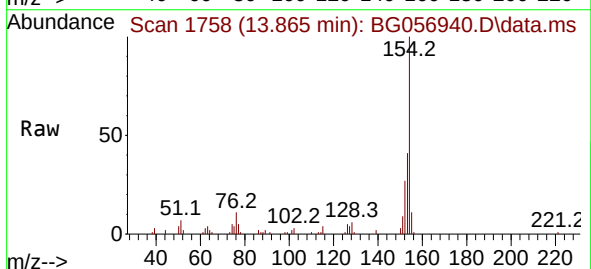
Tgt Ion:172 Resp: 299104
Ion Ratio Lower Upper
172 100
171 37.3 30.6 46.0
170 24.3 20.6 30.8

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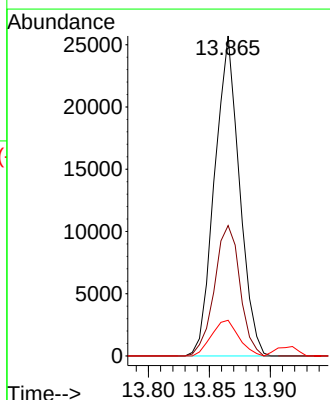
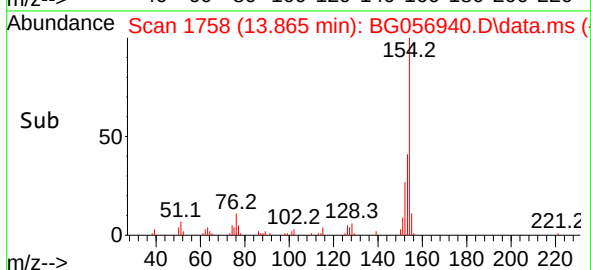
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

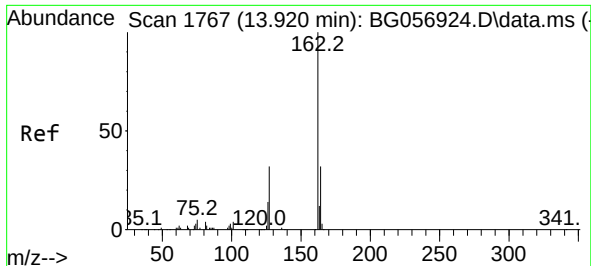


#46
1,1'-Biphenyl
Concen: 9.869 ng
RT: 13.865 min Scan# 1758
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03



Tgt Ion:154 Resp: 36410
Ion Ratio Lower Upper
154 100
153 40.7 23.4 63.4
76 11.1 0.0 31.6





#47

2-Chloronaphthalene

Concen: 9.641 ng

RT: 13.918 min Scan# 1767

Delta R.T. -0.002 min

Lab File: BG056940.D

Acq: 31 Mar 2023 12:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2023

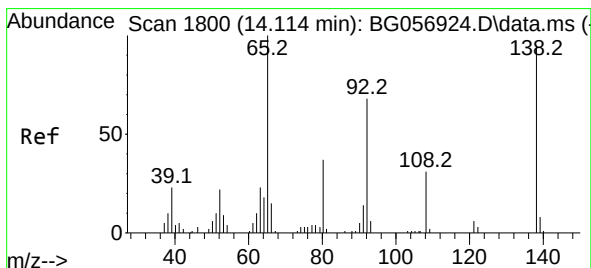
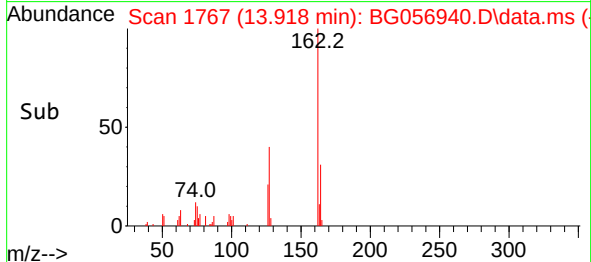
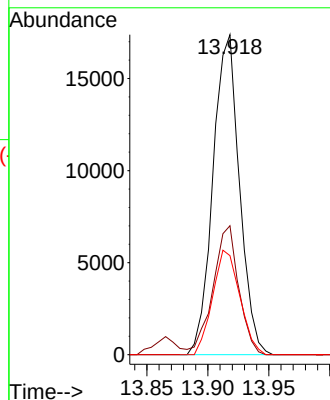
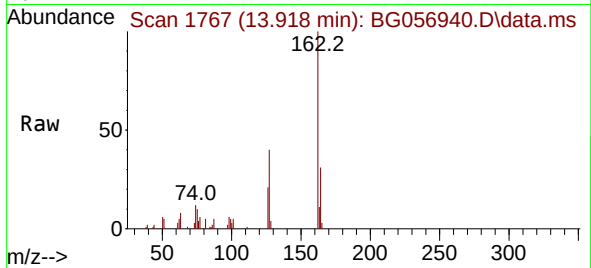
Tgt Ion:	162	Resp:	26300
Ion Ratio	Lower	Upper	
162	100		
127	40.3	29.5	44.3
164	31.0	25.5	38.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/03/2023

Supervised By :Jagrut Upadhyay 04/03/2023



#48

2-Nitroaniline

Concen: 9.458 ng

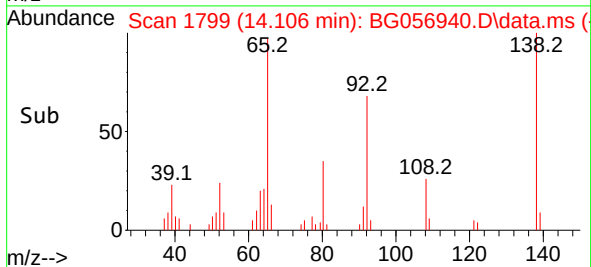
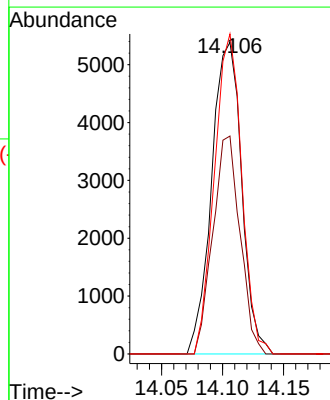
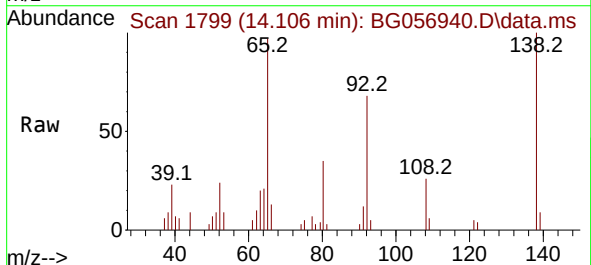
RT: 14.106 min Scan# 1799

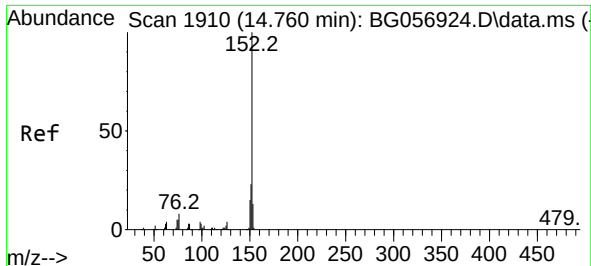
Delta R.T. -0.008 min

Lab File: BG056940.D

Acq: 31 Mar 2023 12:03

Tgt Ion:	65	Resp:	9228
Ion Ratio	Lower	Upper	
65	100		
92	69.9	54.3	81.5
138	102.7	76.0	114.0





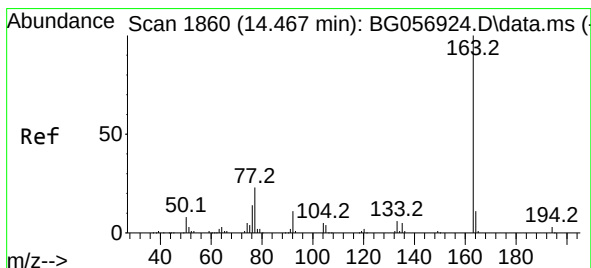
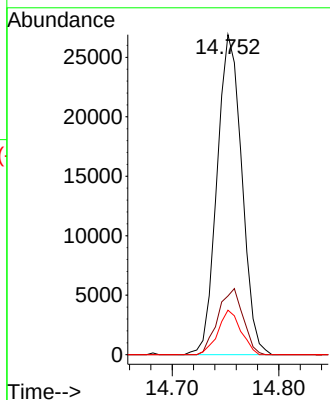
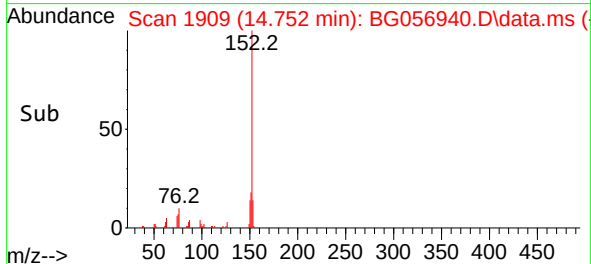
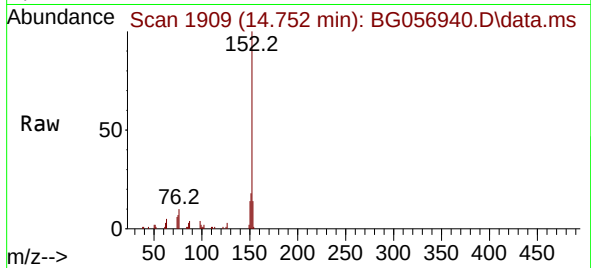
#49
Acenaphthylene
Concen: 9.682 ng
RT: 14.752 min Scan# 1910
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

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

Tgt Ion:152 Resp: 4340
Ion Ratio Lower Upper
152 100
151 18.3 18.2 27.2
153 13.9 10.5 15.7

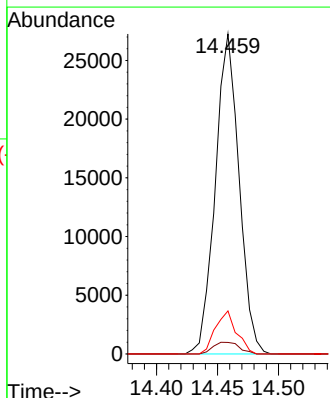
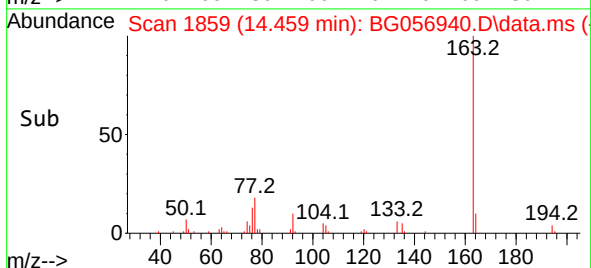
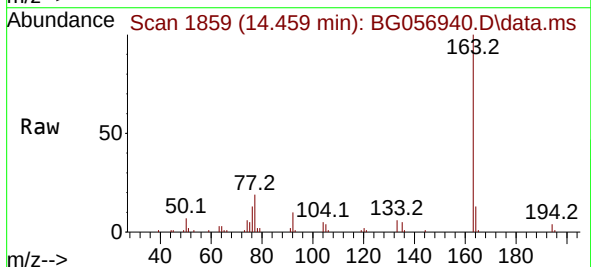
Manual Integrations
APPROVED

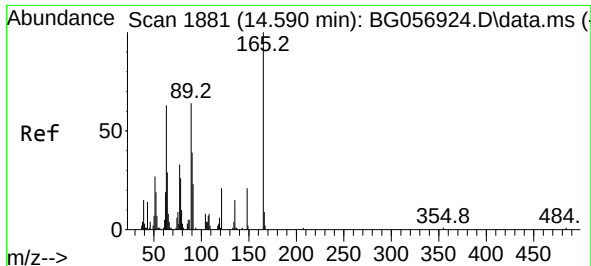
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#50
Dimethylphthalate
Concen: 9.328 ng
RT: 14.459 min Scan# 1859
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

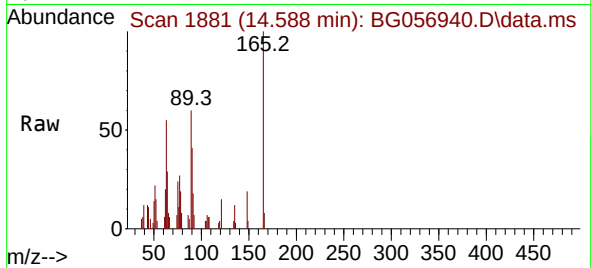
Tgt Ion:163 Resp: 37045
Ion Ratio Lower Upper
163 100
194 3.6 2.8 4.2
164 13.5 8.8 13.2#





#51
2,6-Dinitrotoluene
Concen: 9.972 ng
RT: 14.588 min Scan# 1881
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

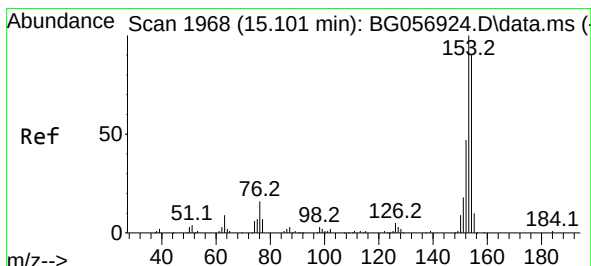
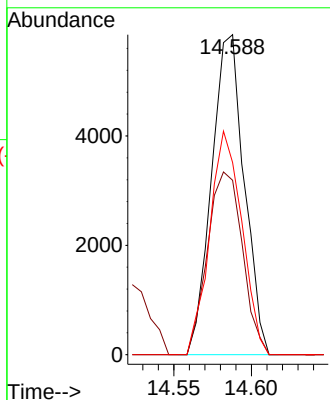
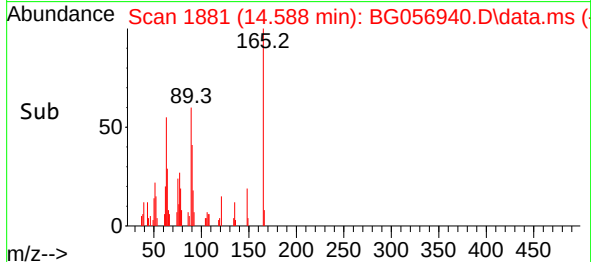
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:165 Resp: 8550
Ion Ratio Lower Upper
165 100
63 54.5 53.0 79.6
89 60.1 51.0 76.4

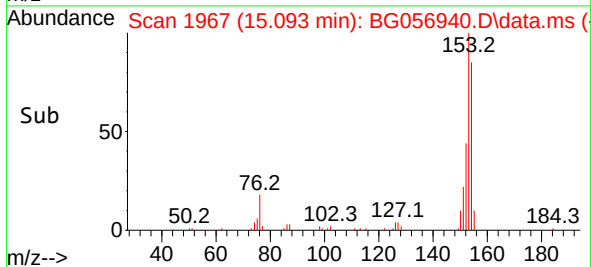
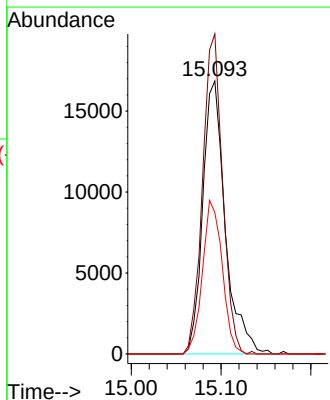
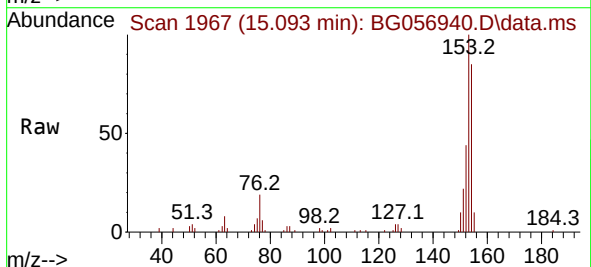
Manual Integrations
APPROVED

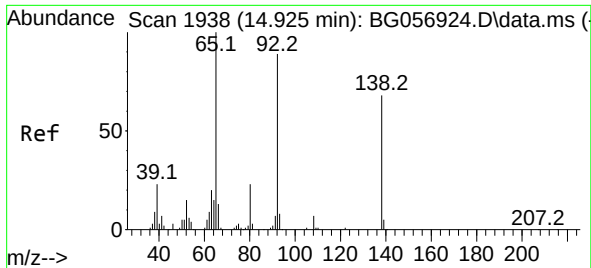
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#52
Acenaphthene
Concen: 9.503 ng
RT: 15.093 min Scan# 1967
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

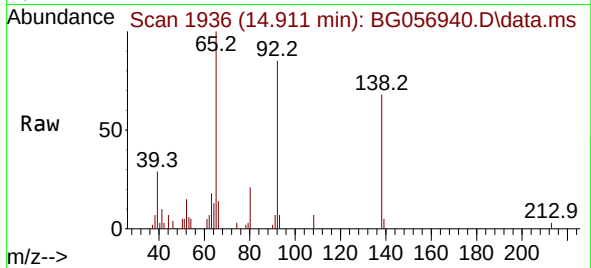
Tgt Ion:154 Resp: 29384
Ion Ratio Lower Upper
154 100
153 117.2 88.9 133.3
152 51.8 41.8 62.8





#53
3-Nitroaniline
Concen: 9.087 ng
RT: 14.911 min Scan# 1936
Delta R.T. -0.014 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

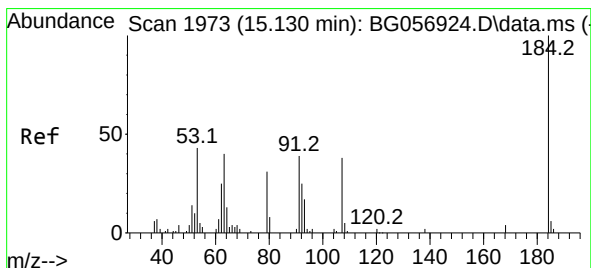
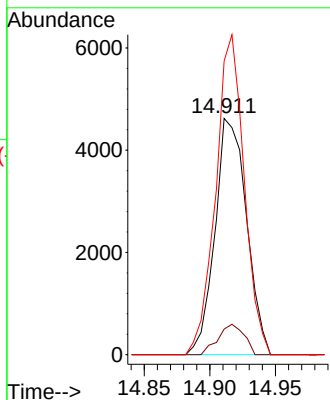
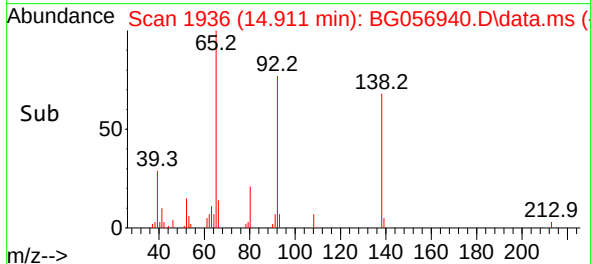
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



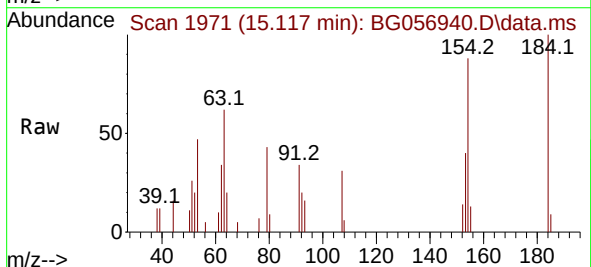
Tgt Ion:138 Resp: 771
Ion Ratio Lower Upper
138 100
108 10.8 8.2 12.2
92 124.3 105.2 157.8

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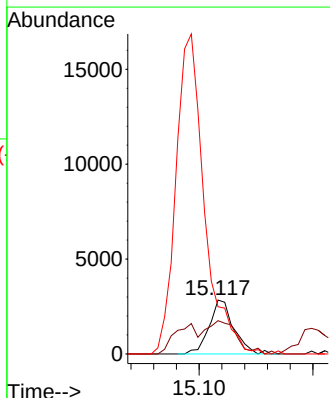
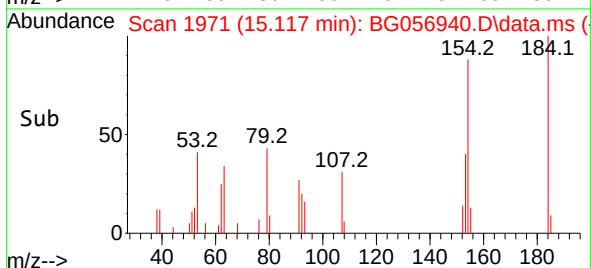
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

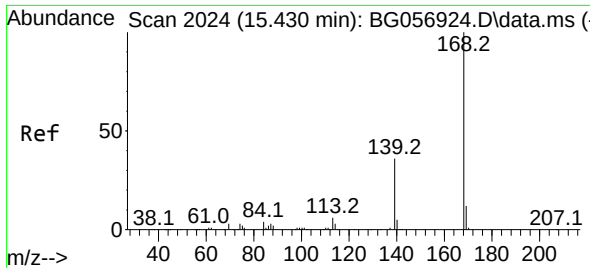


#54
2,4-Dinitrophenol
Concen: 8.813 ng
RT: 15.117 min Scan# 1971
Delta R.T. -0.014 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03



Tgt Ion:184 Resp: 4256
Ion Ratio Lower Upper
184 100
63 61.9 46.5 69.7
154 87.6 53.5 80.3#





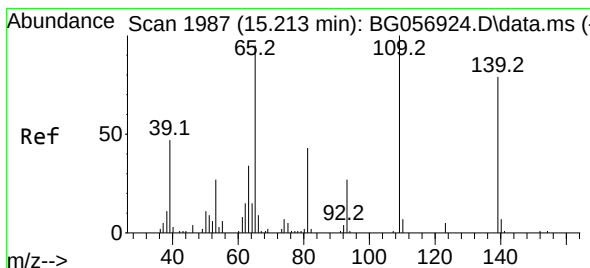
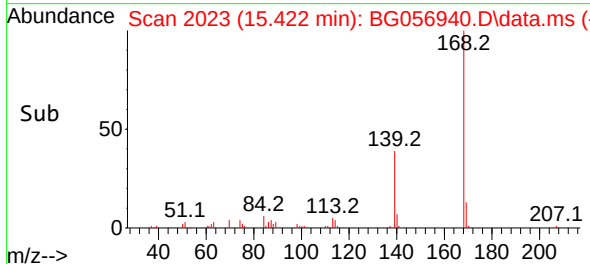
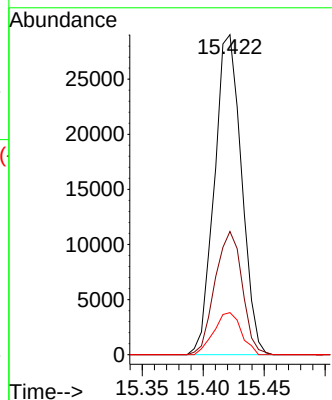
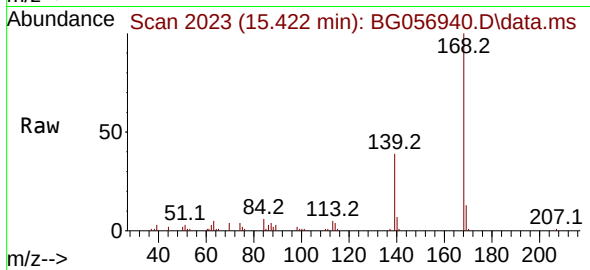
#55
Dibenzofuran
Concen: 9.680 ng
RT: 15.422 min Scan# 2024
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

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

Tgt Ion:168 Resp: 4492
Ion Ratio Lower Upper
168 100
139 38.5 28.9 43.3
169 13.2 9.8 14.6

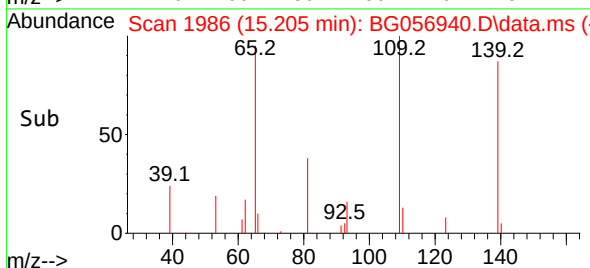
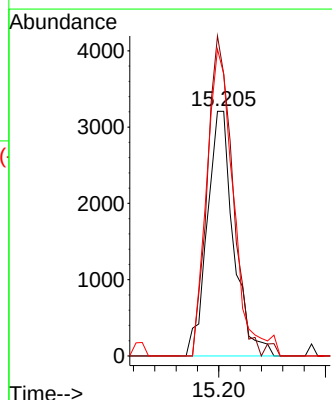
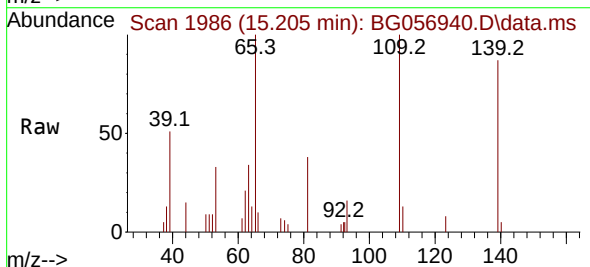
Manual Integrations
APPROVED

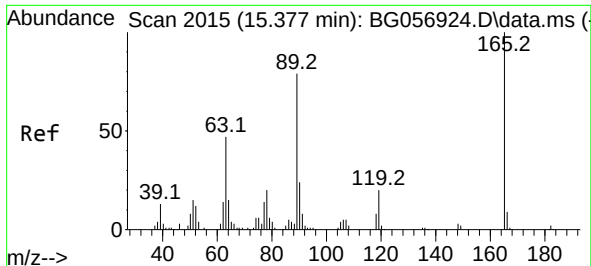
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#56
4-Nitrophenol
Concen: 8.783 ng
RT: 15.205 min Scan# 1986
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

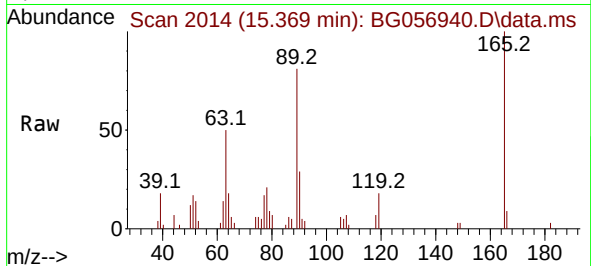
Tgt Ion:139 Resp: 5516
Ion Ratio Lower Upper
139 100
109 115.1 106.7 146.7
65 115.2 100.5 140.5





#57
2,4-Dinitrotoluene
Concen: 8.821 ng
RT: 15.369 min Scan# 2014
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

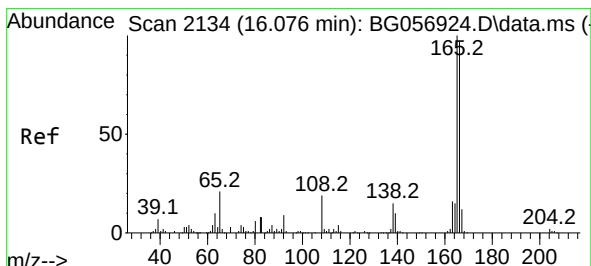
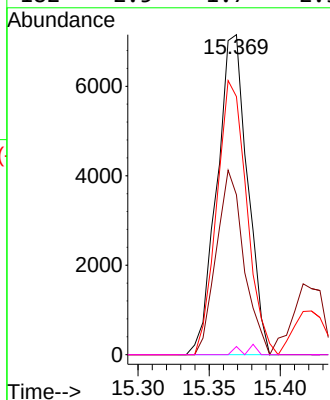
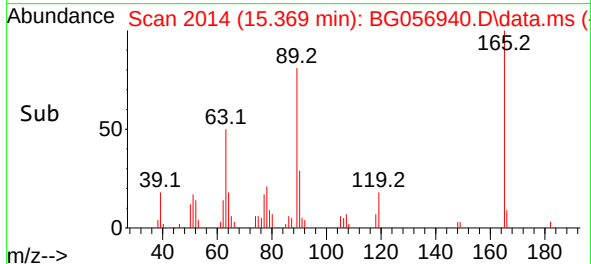
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:165 Resp: 10674
Ion Ratio Lower Upper
165 100
63 50.0 37.7 56.5
89 80.7 63.2 94.8
182 2.5 1.7 2.5#

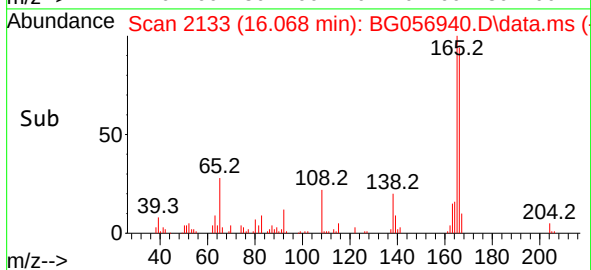
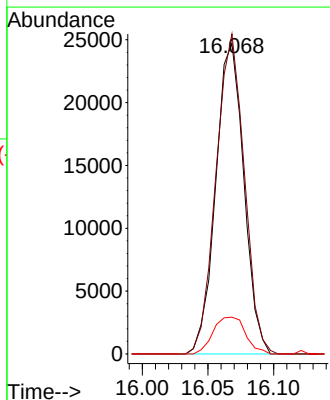
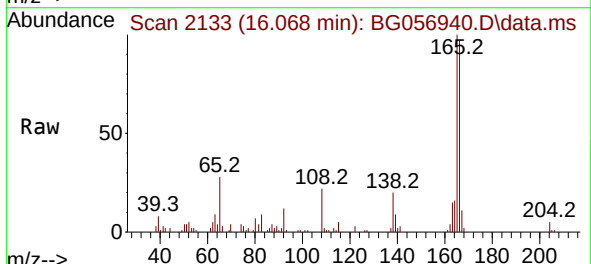
Manual Integrations
APPROVED

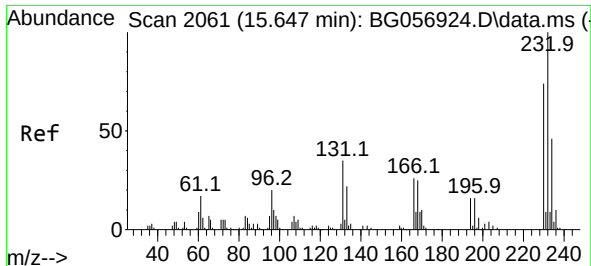
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#58
Fluorene
Concen: 9.580 ng
RT: 16.068 min Scan# 2133
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

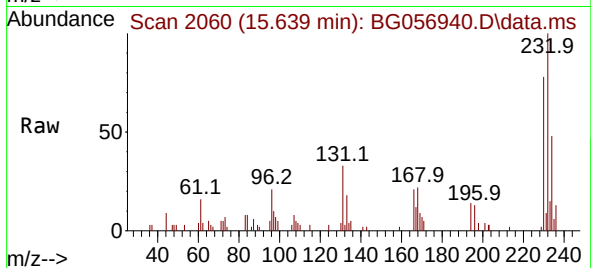
Tgt Ion:166 Resp: 36790
Ion Ratio Lower Upper
166 100
165 103.0 82.6 123.8
167 11.8 10.2 15.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.507 ng
RT: 15.639 min Scan# 2060
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

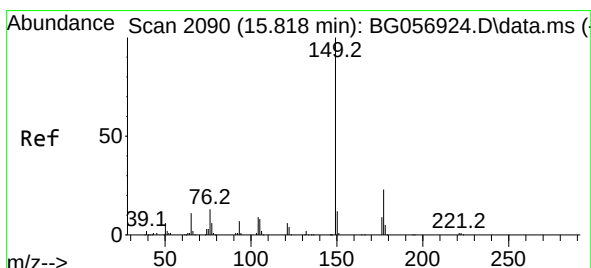
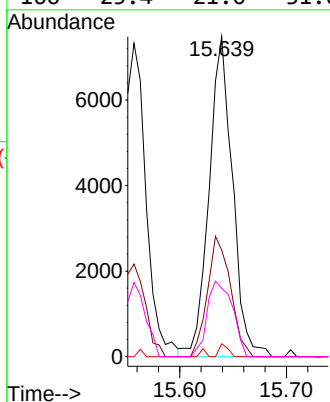
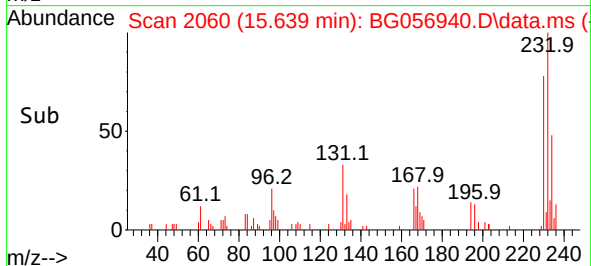
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:232 Resp: 1143
Ion Ratio Lower Upper
232 100
131 37.1 29.3 43.9
130 1.5 1.7 2.5
166 25.4 21.0 31.6

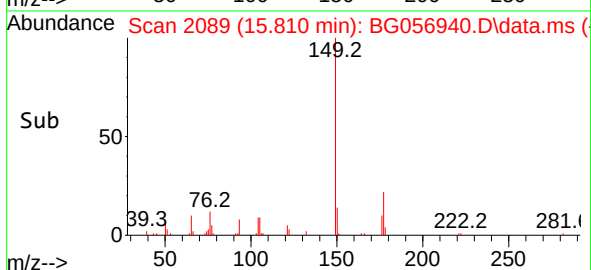
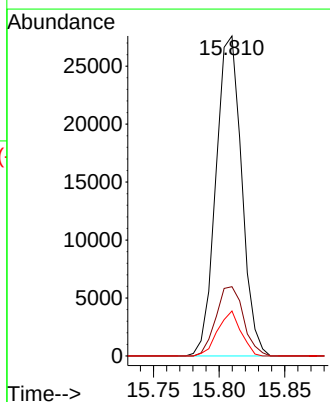
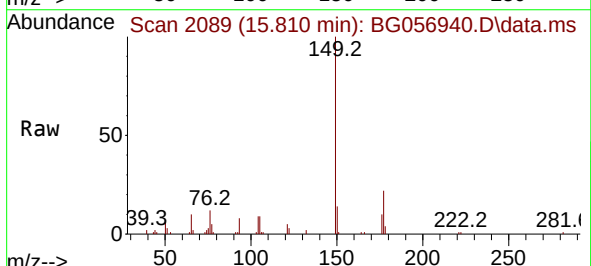
Manual Integrations
APPROVED

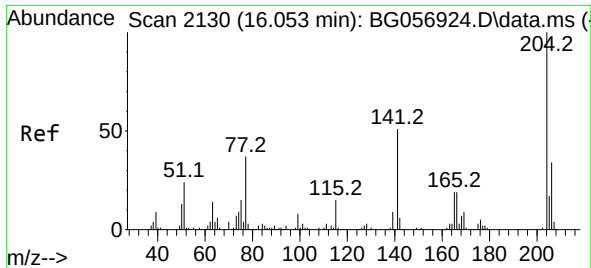
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#60
Diethylphthalate
Concen: 9.437 ng
RT: 15.810 min Scan# 2089
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

Tgt Ion:149 Resp: 37570
Ion Ratio Lower Upper
149 100
177 21.7 18.8 28.2
150 14.0 9.4 14.2





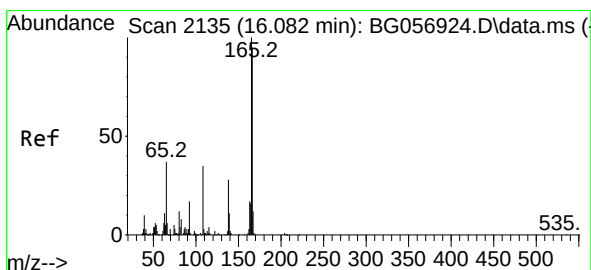
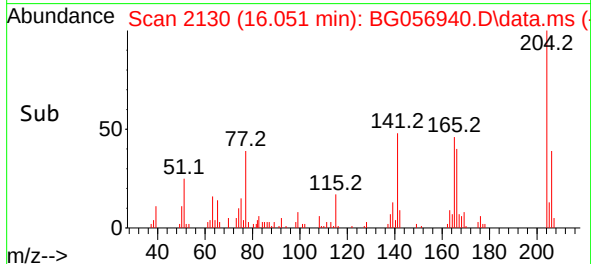
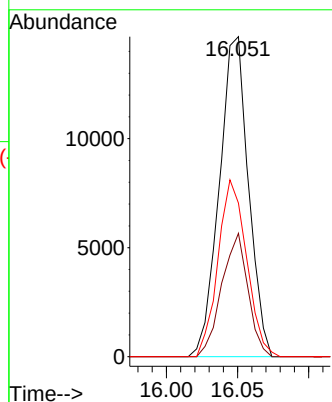
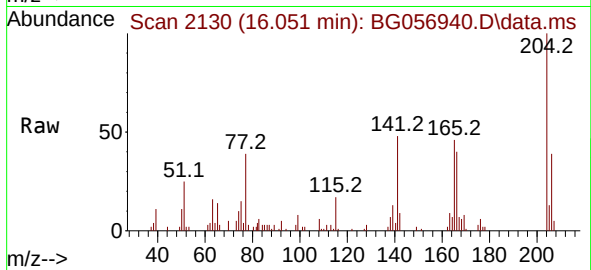
#61
4-Chlorophenyl-phenylether
Concen: 9.272 ng
RT: 16.051 min Scan# 2130
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

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

Tgt Ion:204 Resp: 20900
Ion Ratio Lower Upper
204 100
206 38.5 27.2 40.8
141 48.0 40.7 61.1

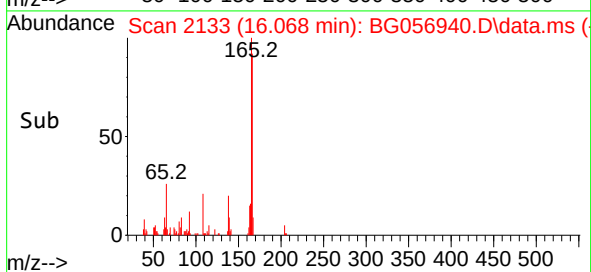
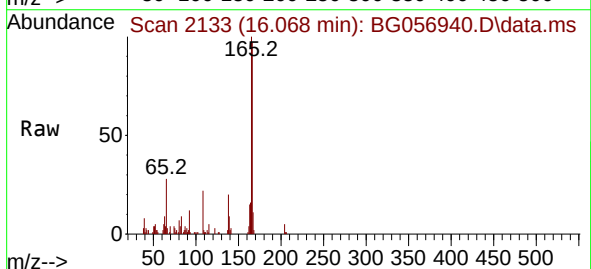
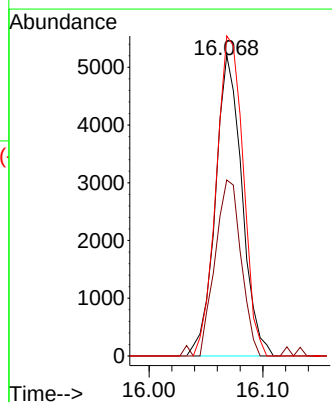
Manual Integrations
APPROVED

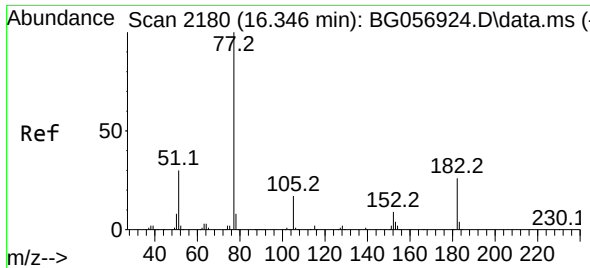
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#62
4-Nitroaniline
Concen: 9.612 ng
RT: 16.068 min Scan# 2133
Delta R.T. -0.014 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

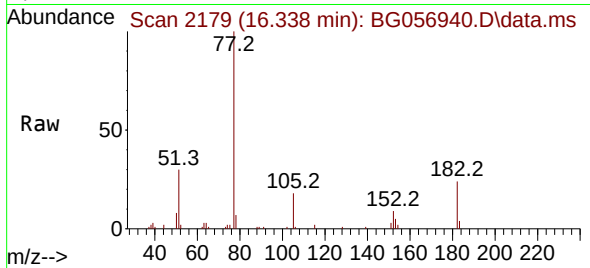
Tgt Ion:138 Resp: 8458
Ion Ratio Lower Upper
138 100
92 58.5 40.9 80.9
108 106.4 104.3 144.3





#63
Azobenzene
Concen: 9.314 ng
RT: 16.338 min Scan# 2180
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

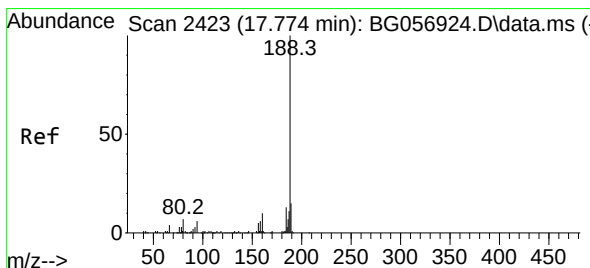
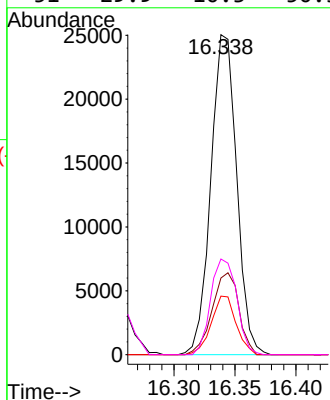
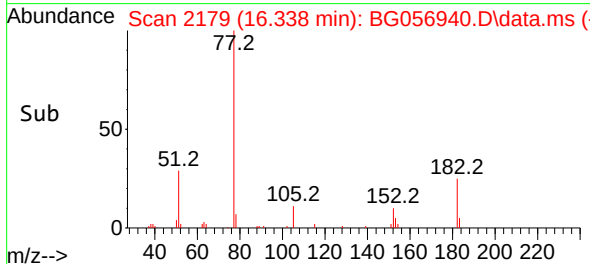
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 77	Resp: 3695
Ion Ratio	Lower Upper
77 100	
182 23.9	5.9 45.9
105 18.3	0.0 36.8
51 29.9	10.3 50.3

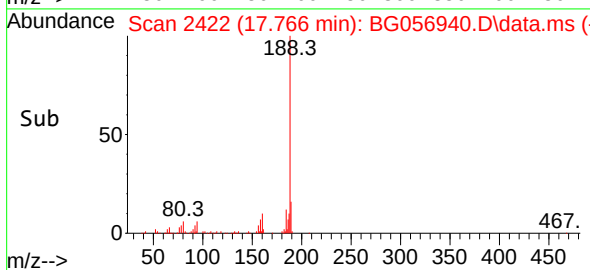
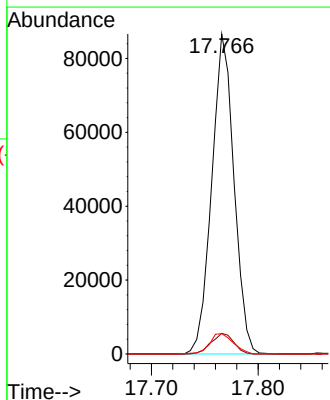
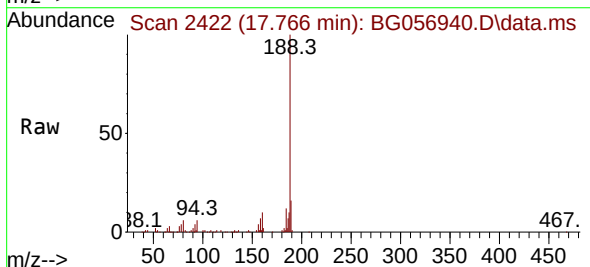
Manual Integrations
APPROVED

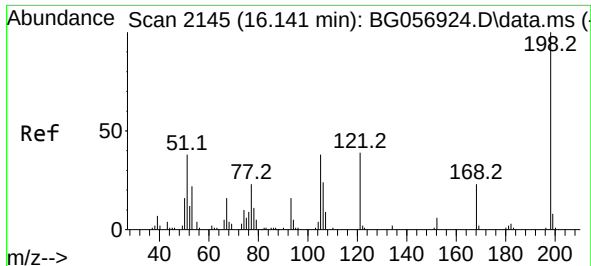
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.766 min Scan# 2422
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

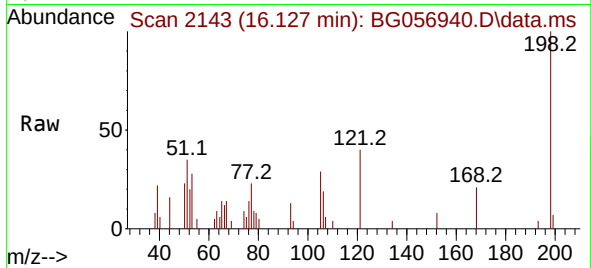
Tgt Ion:188	Resp: 125253
Ion Ratio	Lower Upper
188 100	
94 6.4	4.6 6.8
80 6.3	5.5 8.3





#65
4,6-Dinitro-2-methylphenol
Concen: 7.625 ng
RT: 16.127 min Scan# 2143
Delta R.T. -0.014 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

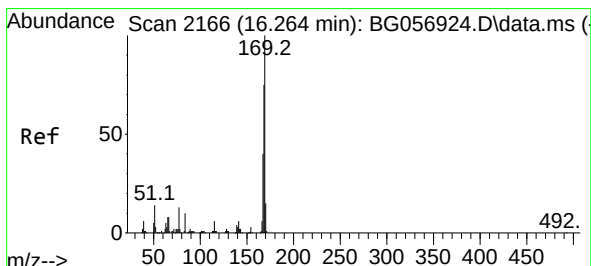
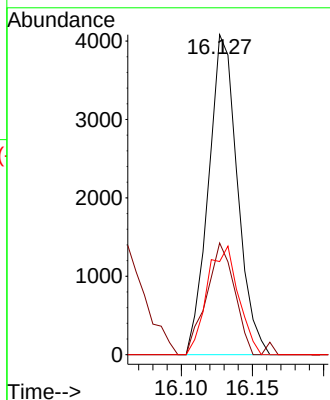
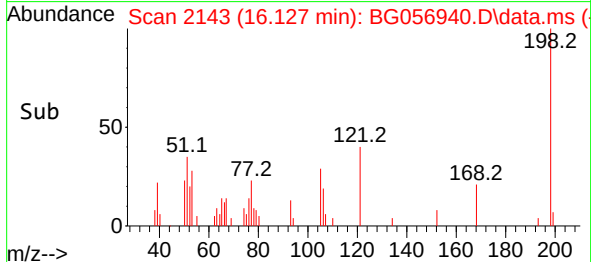
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:198 Resp: 5784
Ion Ratio Lower Upper
198 100
51 34.9 20.5 60.5
105 29.1 18.1 58.1

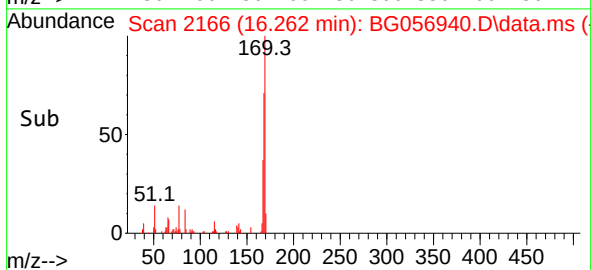
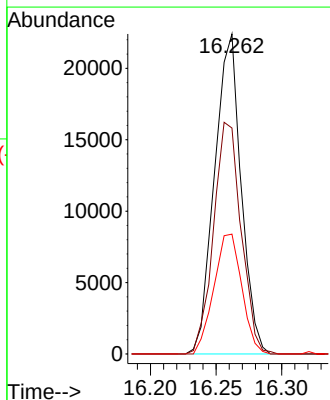
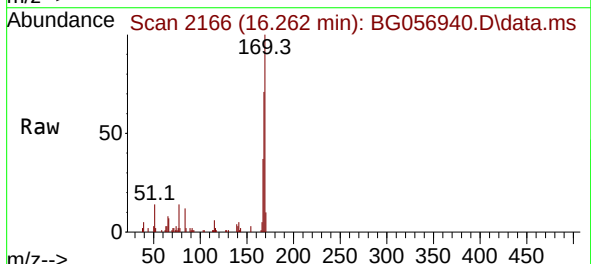
Manual Integrations
APPROVED

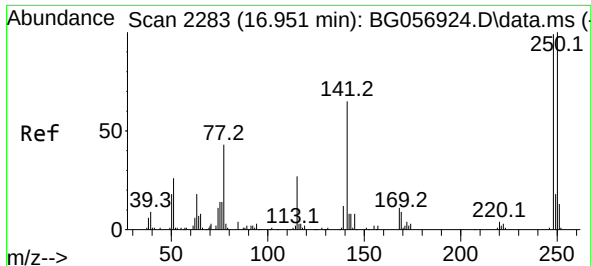
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#66
n-Nitrosodiphenylamine
Concen: 9.370 ng
RT: 16.262 min Scan# 2166
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

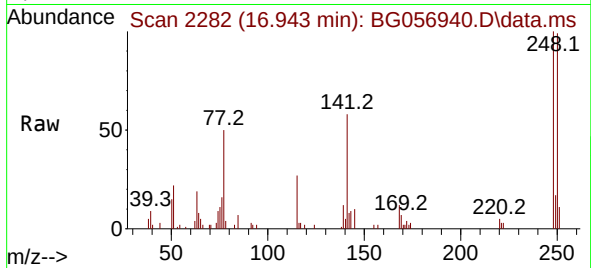
Tgt Ion:169 Resp: 31504
Ion Ratio Lower Upper
169 100
168 70.6 59.6 89.4
167 37.4 31.8 47.8





#67
4-Bromophenyl-phenylether
Concen: 9.061 ng
RT: 16.943 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

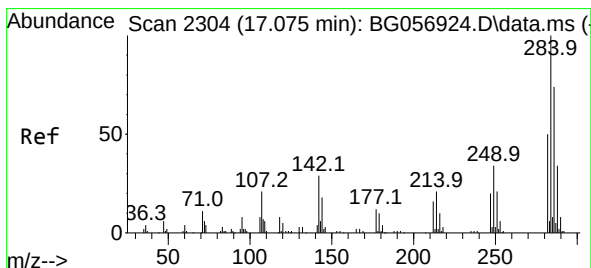
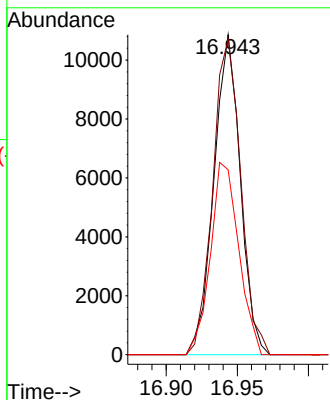
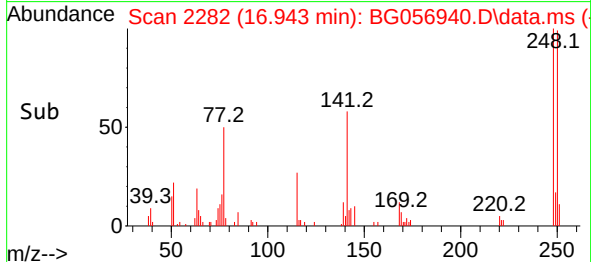
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



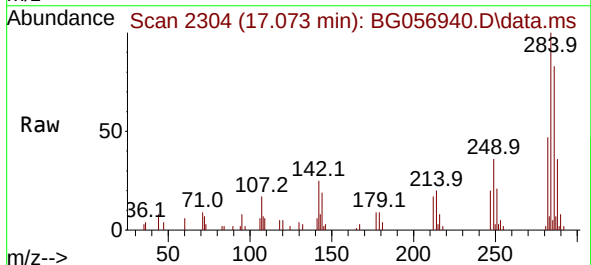
Tgt Ion:248 Resp: 1404
Ion Ratio Lower Upper
248 100
250 98.6 80.5 120.7
141 57.8 52.0 78.0

Manual Integrations
APPROVED

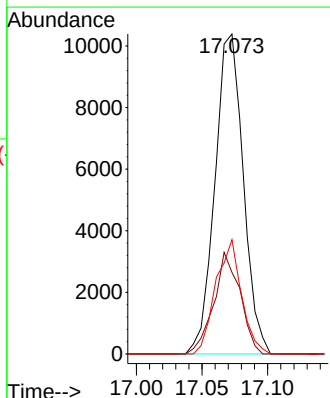
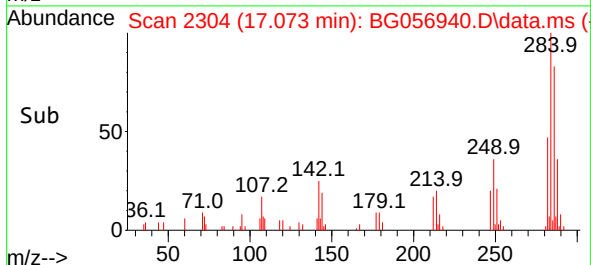
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

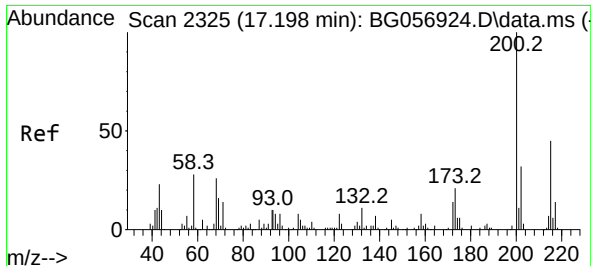


#68
Hexachlorobenzene
Concen: 10.166 ng
RT: 17.073 min Scan# 2304
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03



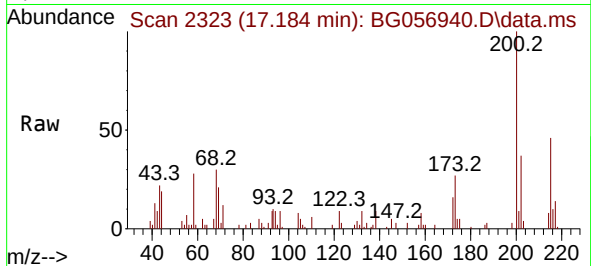
Tgt Ion:284 Resp: 15577
Ion Ratio Lower Upper
284 100
142 25.5 23.0 34.4
249 35.7 27.1 40.7





#69
 Atrazine
 Concen: 10.501 ng
 RT: 17.184 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BG056940.D
 Acq: 31 Mar 2023 12:03

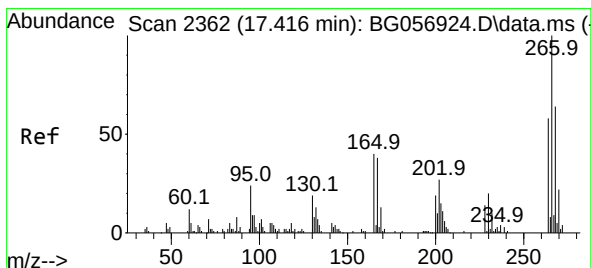
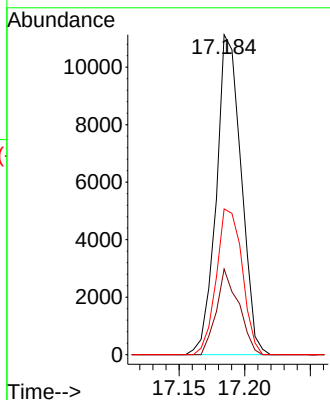
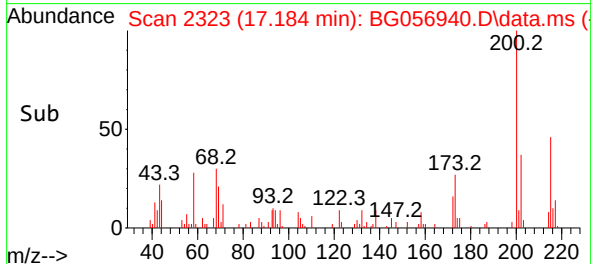
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023



Tgt Ion:200 Resp: 14650
 Ion Ratio Lower Upper
 200 100
 173 26.7 1.0 41.0
 215 45.5 25.0 65.0

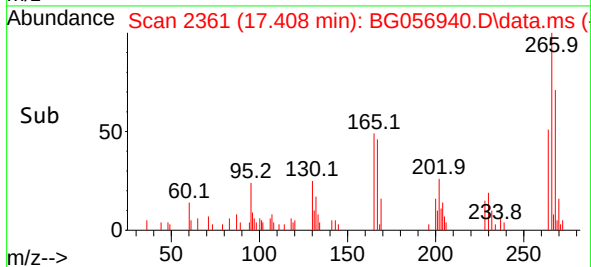
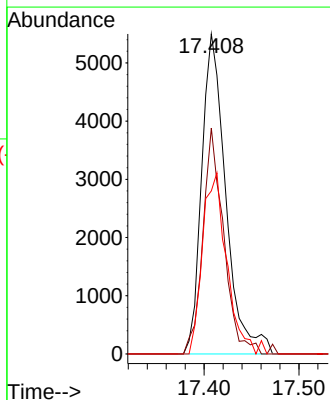
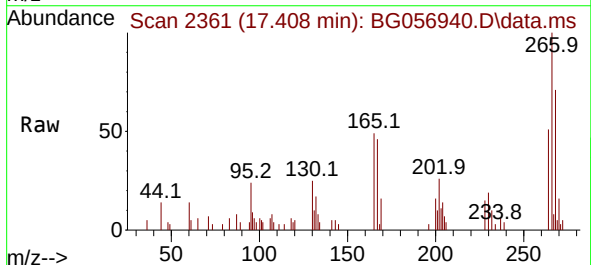
Manual Integrations
 APPROVED

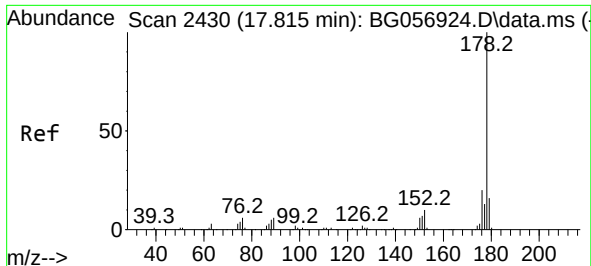
Reviewed By :Christian Giraldo 04/03/2023
 Supervised By :Jagrut Upadhyay 04/03/2023



#70
 Pentachlorophenol
 Concen: 8.840 ng
 RT: 17.408 min Scan# 2361
 Delta R.T. -0.008 min
 Lab File: BG056940.D
 Acq: 31 Mar 2023 12:03

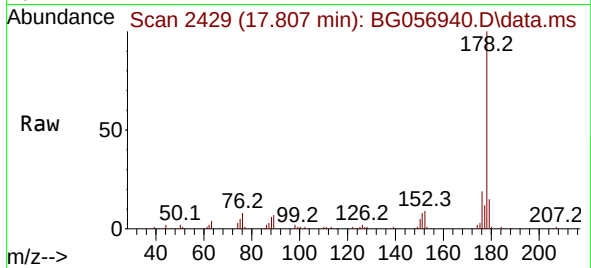
Tgt Ion:266 Resp: 9717
 Ion Ratio Lower Upper
 266 100
 268 70.6 51.0 76.6
 264 50.9 46.8 70.2





#71
Phenanthrene
Concen: 9.538 ng
RT: 17.807 min Scan# 2429
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

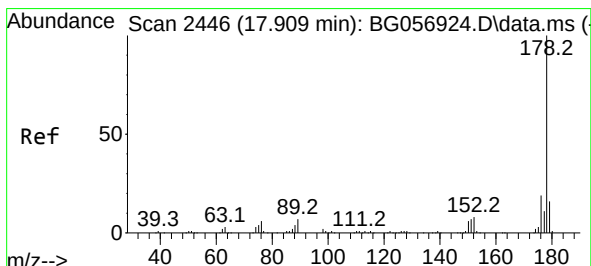
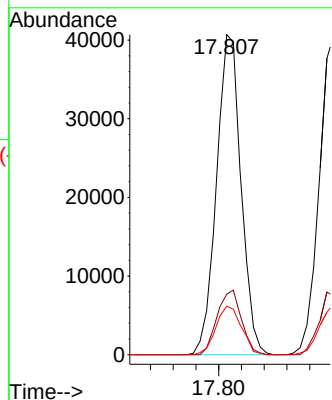
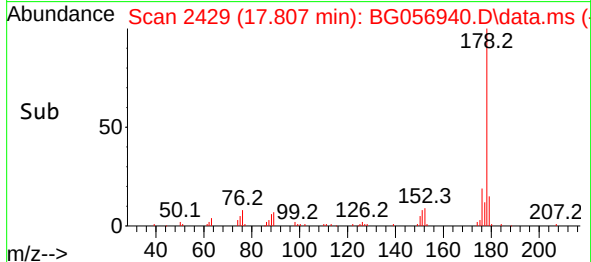
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:178 Resp: 60908
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.2
179 15.1 12.5 18.7

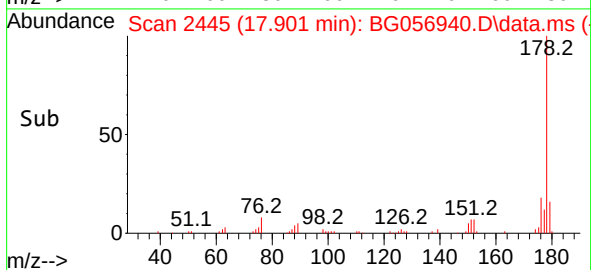
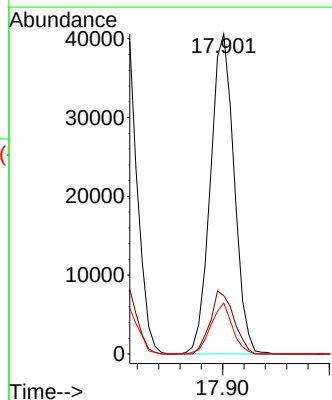
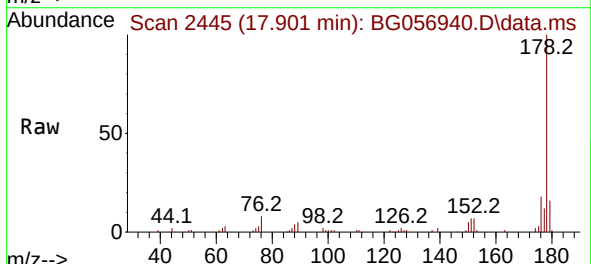
Manual Integrations
APPROVED

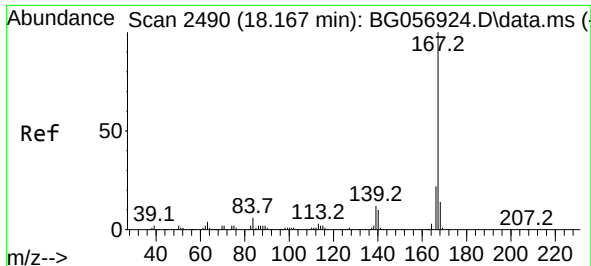
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#72
Anthracene
Concen: 9.569 ng
RT: 17.901 min Scan# 2445
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

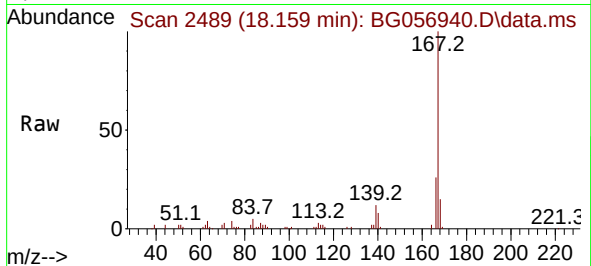
Tgt Ion:178 Resp: 62641
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 16.0 12.4 18.6





#73
Carbazole
Concen: 9.584 ng
RT: 18.159 min Scan# 2490
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

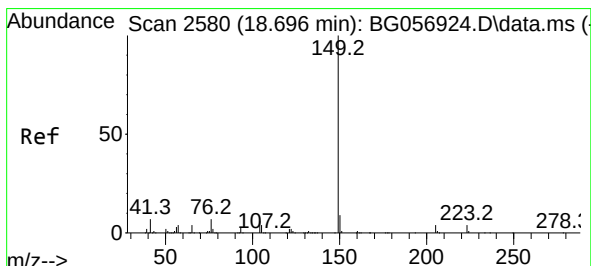
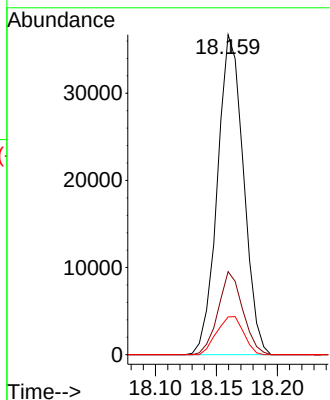
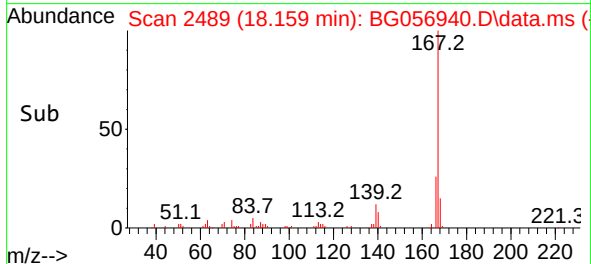
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



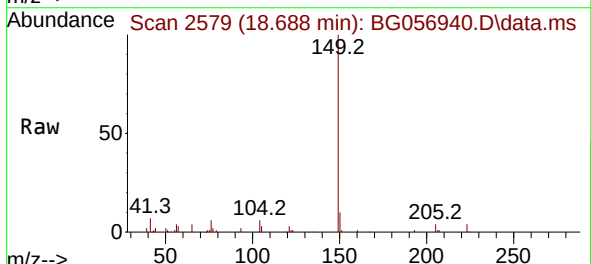
Tgt Ion:167 Resp: 54704
Ion Ratio Lower Upper
167 100
166 26.0 17.9 26.9
139 11.8 9.5 14.3

Manual Integrations
APPROVED

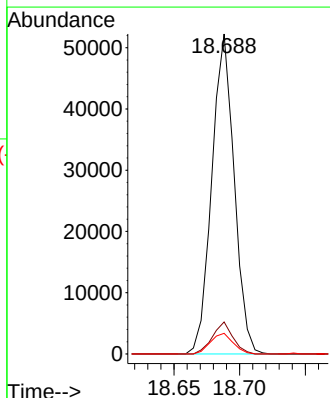
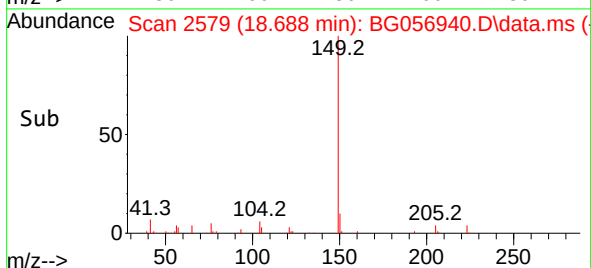
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

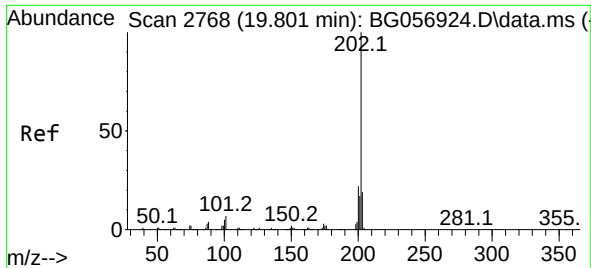


#74
Di-n-butylphthalate
Concen: 9.360 ng
RT: 18.688 min Scan# 2579
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03



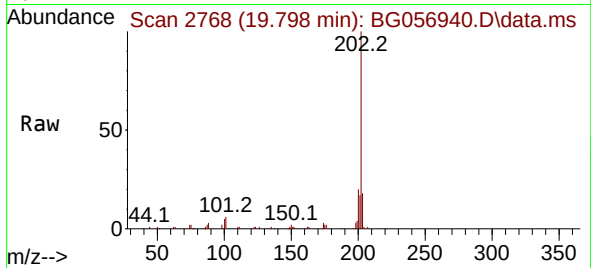
Tgt Ion:149 Resp: 61861
Ion Ratio Lower Upper
149 100
150 10.0 7.4 11.0
104 6.4 4.9 7.3





#75
Fluoranthene
Concen: 9.467 ng
RT: 19.798 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

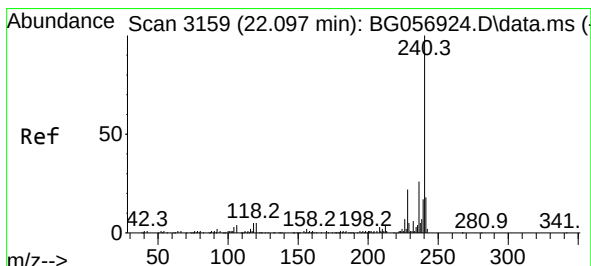
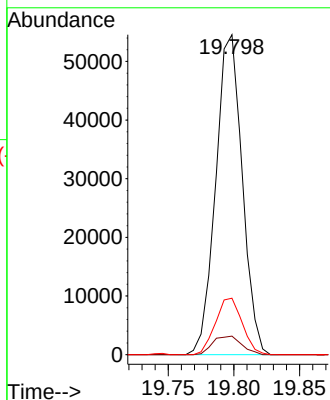
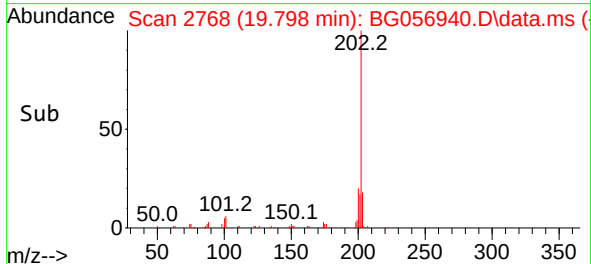
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:202 Resp: 7663
Ion Ratio Lower Upper
202 100
101 5.8 0.0 26.7
203 17.7 0.0 39.0

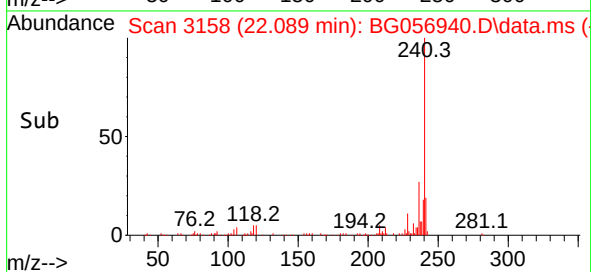
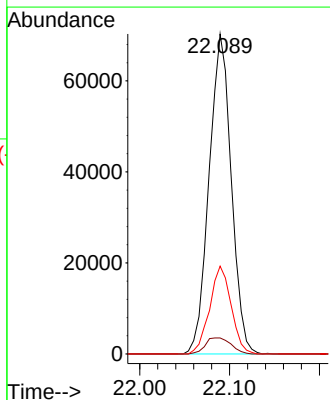
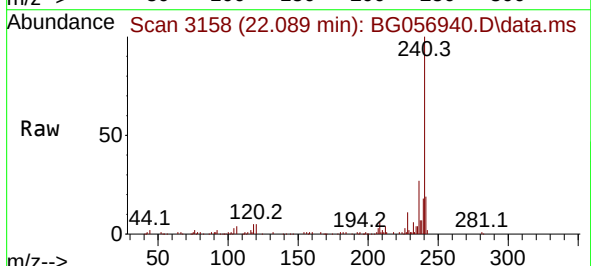
Manual Integrations
APPROVED

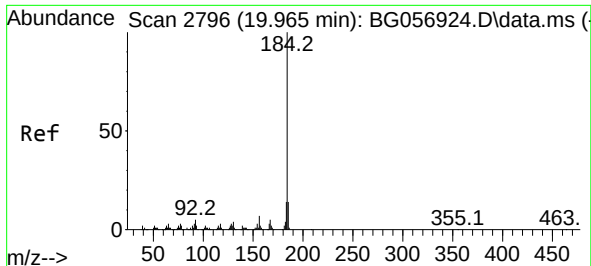
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.089 min Scan# 3158
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

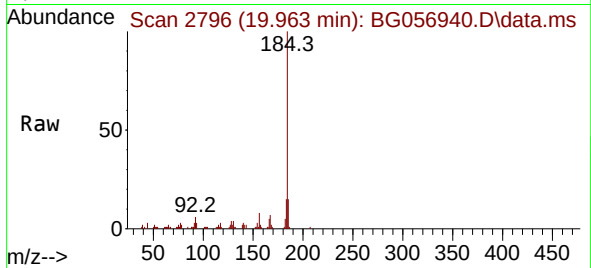
Tgt Ion:240 Resp: 120503
Ion Ratio Lower Upper
240 100
120 5.0 3.8 5.6
236 27.5 21.0 31.6





#77
Benzidine
Concen: 12.891 ng m
RT: 19.963 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

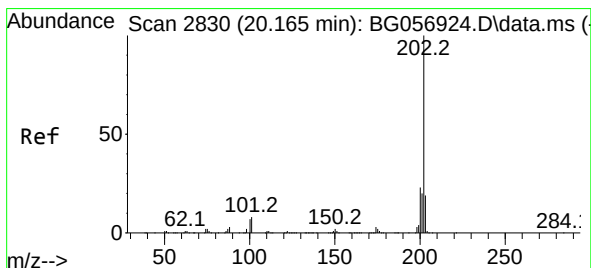
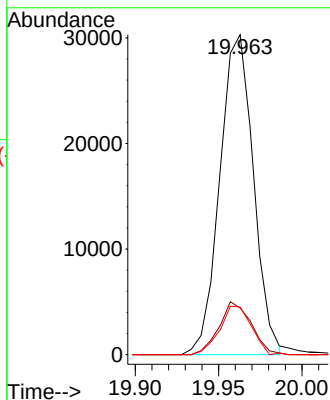
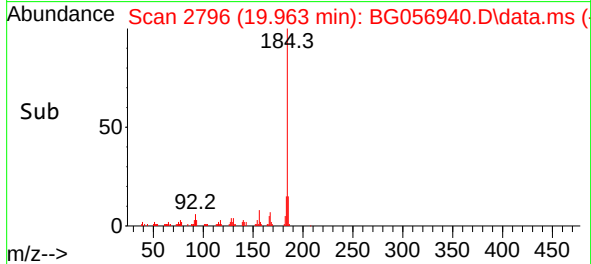
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:184 Resp: 42460
Ion Ratio Lower Upper
184 100
185 14.6 11.0 16.4
183 14.9 11.4 17.0

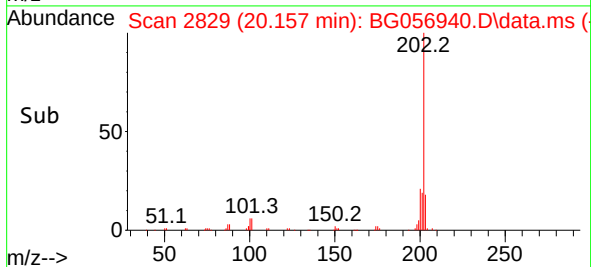
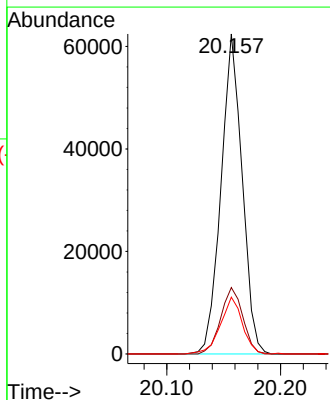
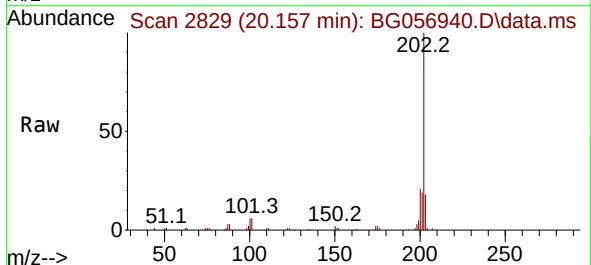
Manual Integrations
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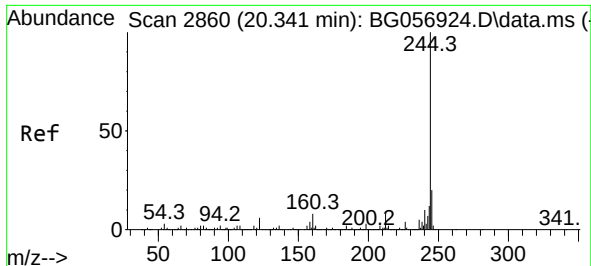
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#78
Pyrene
Concen: 9.679 ng
RT: 20.157 min Scan# 2829
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

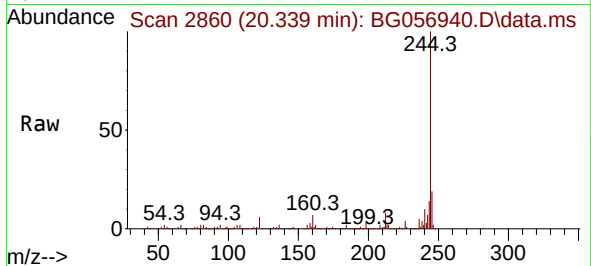
Tgt Ion:202 Resp: 80670
Ion Ratio Lower Upper
202 100
200 20.8 18.7 28.1
203 17.7 15.4 23.2





#79
 Terphenyl-d14
 Concen: 79.875 ng
 RT: 20.339 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG056940.D
 Acq: 31 Mar 2023 12:03

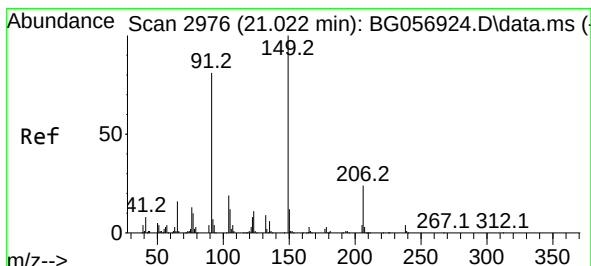
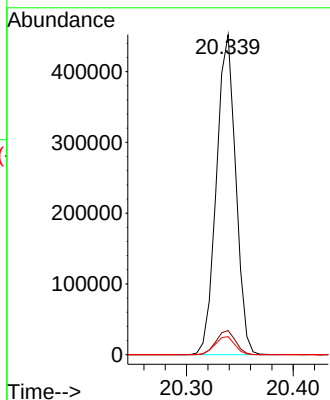
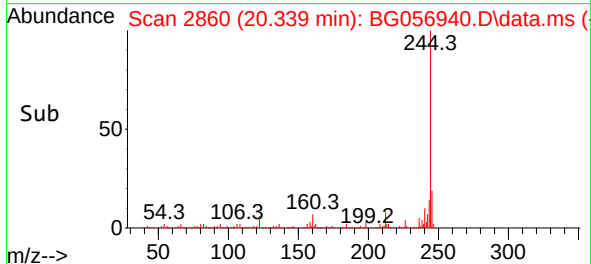
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023



Tgt Ion:244 Resp: 56880
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 5.7 5.0 7.4

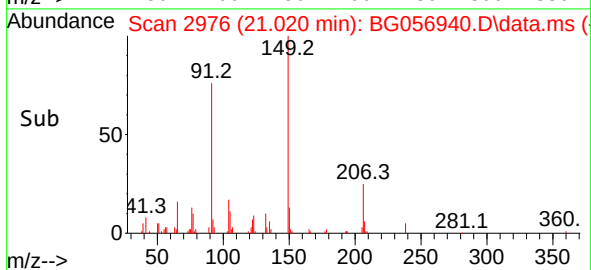
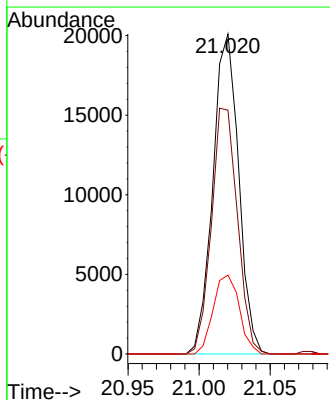
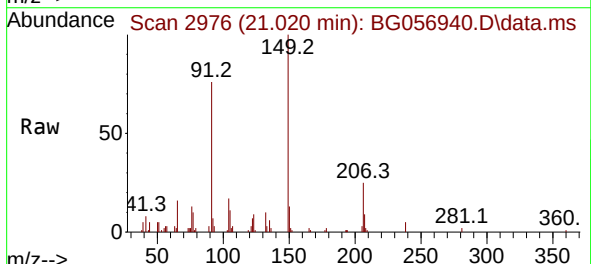
Manual Integrations
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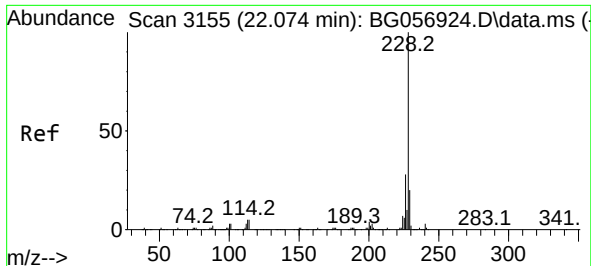
Reviewed By :Christian Giraldo 04/03/2023
 Supervised By :Jagrut Upadhyay 04/03/2023



#80
 Butylbenzylphthalate
 Concen: 8.836 ng
 RT: 21.020 min Scan# 2976
 Delta R.T. -0.002 min
 Lab File: BG056940.D
 Acq: 31 Mar 2023 12:03

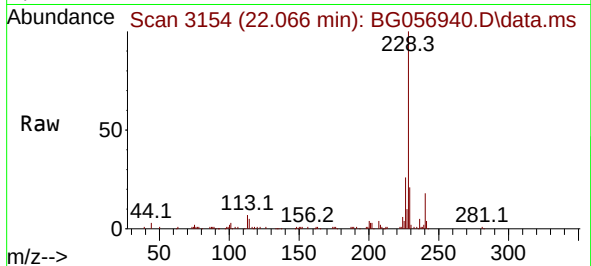
Tgt Ion:149 Resp: 25341
 Ion Ratio Lower Upper
 149 100
 91 76.2 64.4 96.6
 206 24.7 18.9 28.3





#81
Benzo(a)anthracene
Concen: 9.296 ng
RT: 22.066 min Scan# 3155
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

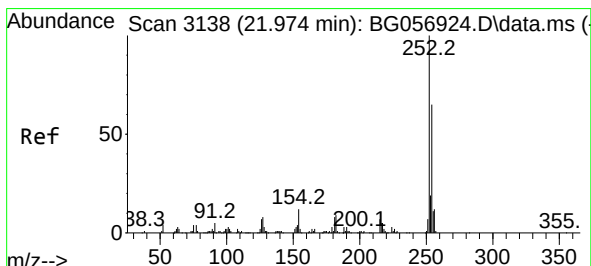
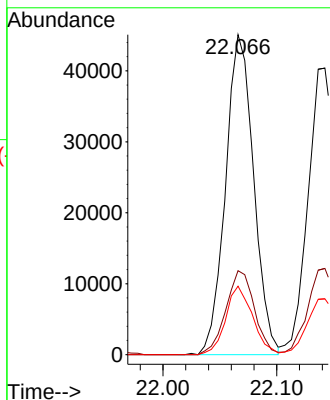
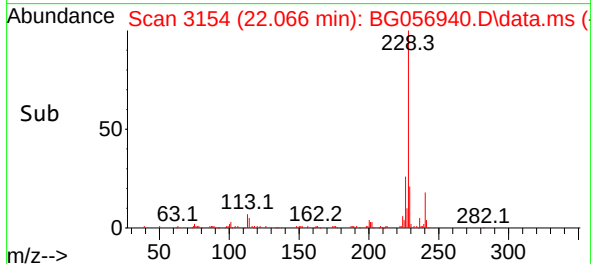
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:228 Resp: 77519
Ion Ratio Lower Upper
228 100
226 26.3 22.1 33.1
229 21.4 16.1 24.1

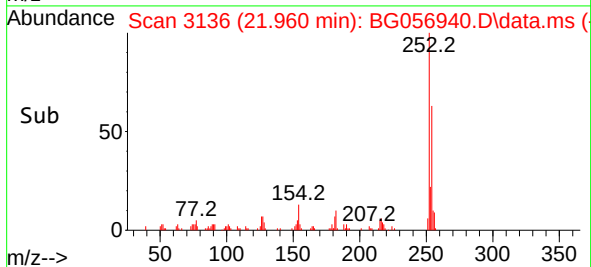
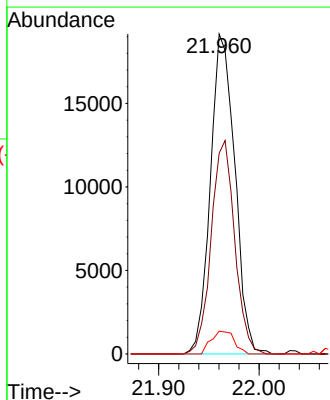
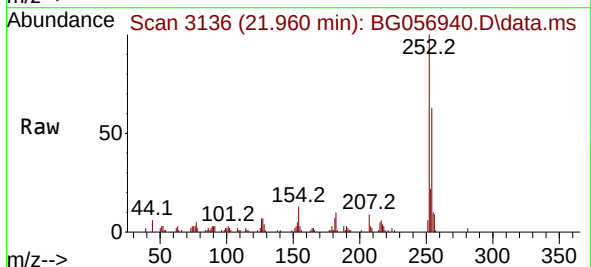
Manual Integrations
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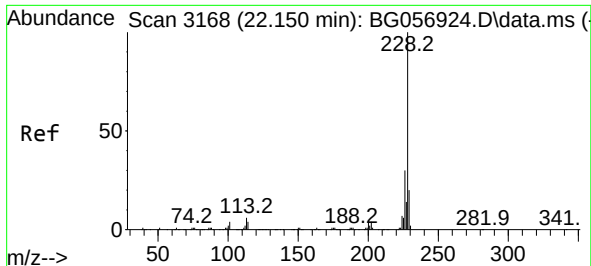
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#82
3,3'-Dichlorobenzidine
Concen: 11.503 ng
RT: 21.960 min Scan# 3136
Delta R.T. -0.014 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

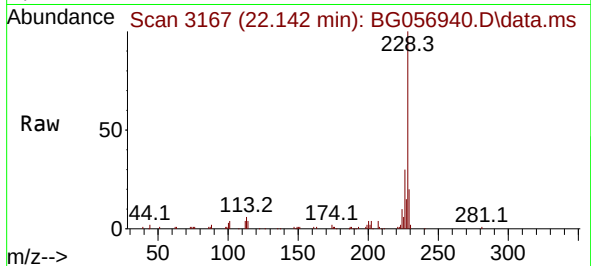
Tgt Ion:252 Resp: 32391
Ion Ratio Lower Upper
252 100
254 62.7 51.7 77.5
126 7.1 5.6 8.4





#83
Chrysene
Concen: 9.251 ng
RT: 22.142 min Scan# 3168
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

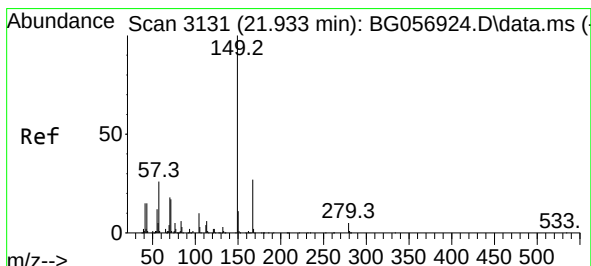
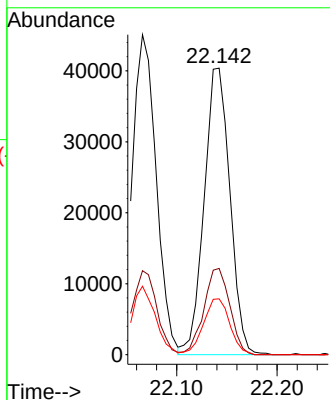
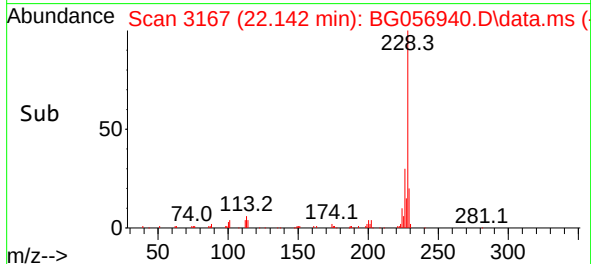
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2023



Tgt Ion:228 Resp: 72228
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 19.5 15.6 23.4

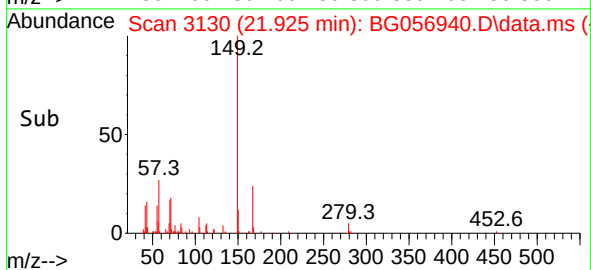
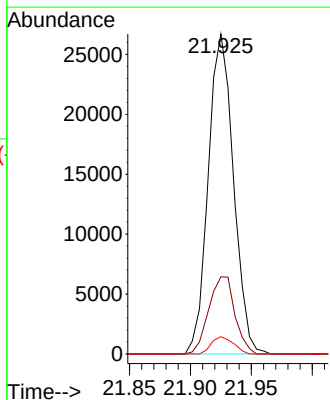
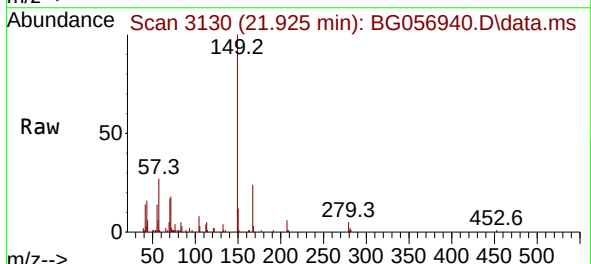
Manual Integrations
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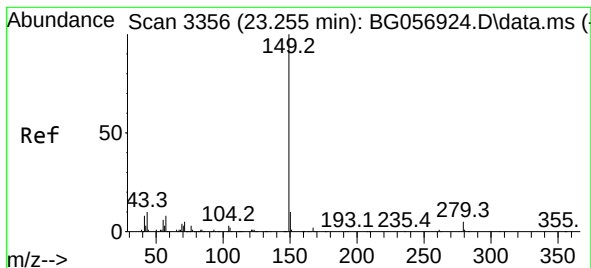
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.281 ng
RT: 21.925 min Scan# 3130
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

Tgt Ion:149 Resp: 38544
Ion Ratio Lower Upper
149 100
167 24.1 21.4 32.2
279 5.4 3.9 5.9





#85

Di-n-octyl phthalate

Concen: 8.977 ng

RT: 23.247 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056940.D

Acq: 31 Mar 2023 12:03

Instrument :

BNA_G

ClientSampleId :

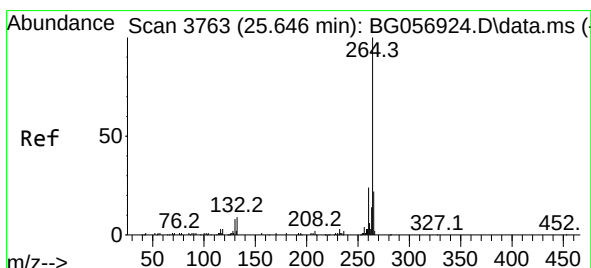
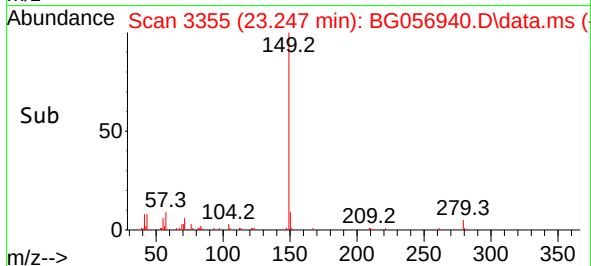
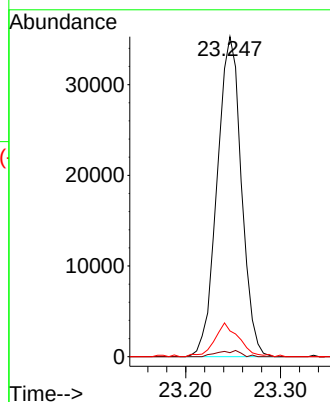
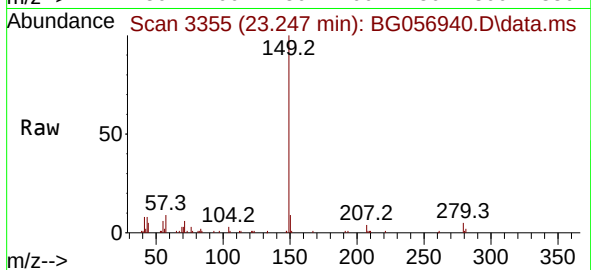
LOQ-SOIL-02-QT1-2023

Tgt Ion:149 Resp: 62824
 Ion Ratio Lower Upper
 149 100
 167 1.8 1.3 1.9
 43 10.7 7.9 11.9

Manual Integrations

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



#86

Perylene-d12

Concen: 20.000 ng

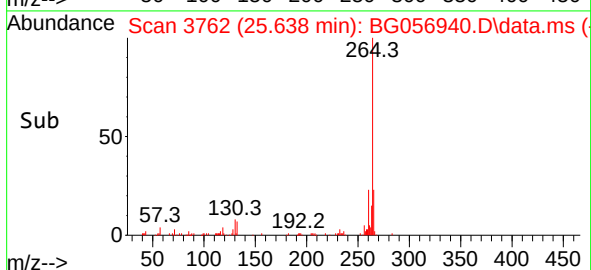
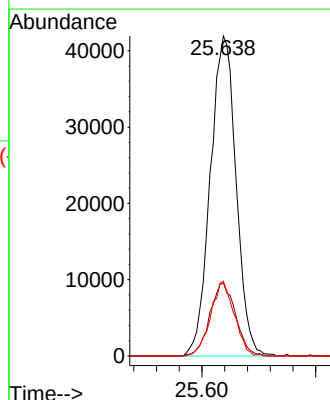
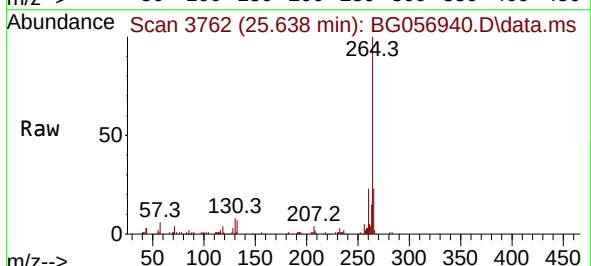
RT: 25.638 min Scan# 3762

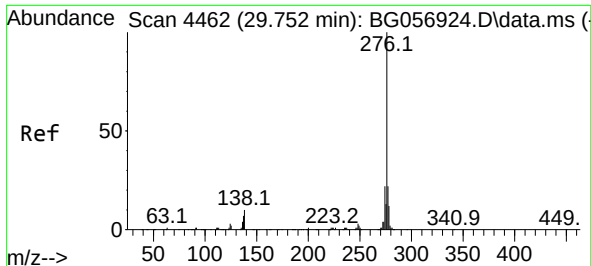
Delta R.T. -0.008 min

Lab File: BG056940.D

Acq: 31 Mar 2023 12:03

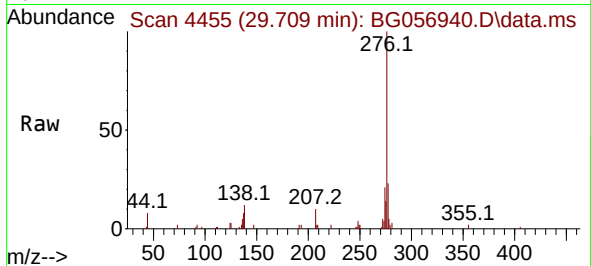
Tgt Ion:264 Resp: 131949
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.0 28.4
 265 23.4 17.8 26.6





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.295 ng
 RT: 29.709 min Scan# 4462
 Delta R.T. -0.043 min
 Lab File: BG056940.D
 Acq: 31 Mar 2023 12:03

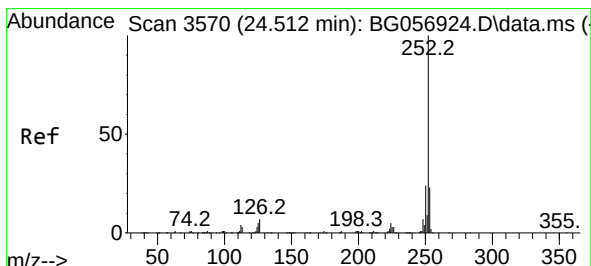
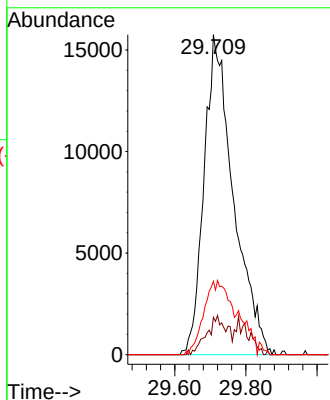
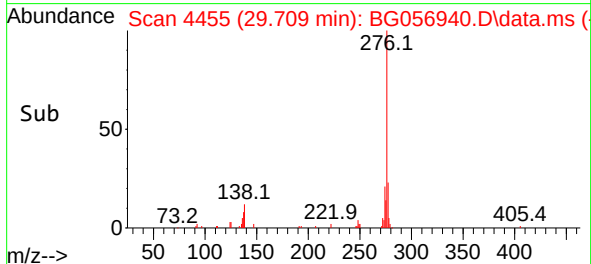
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023



Tgt Ion:276 Resp: 9064
 Ion Ratio Lower Upper
 276 100
 138 7.0 7.7 11.5
 277 9.8 21.0 31.4

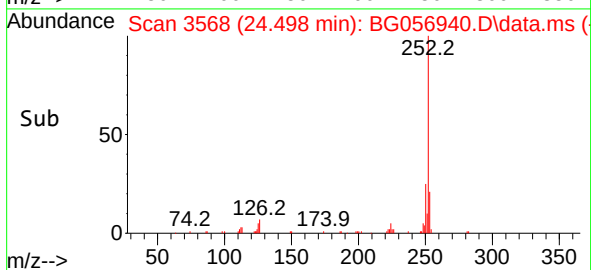
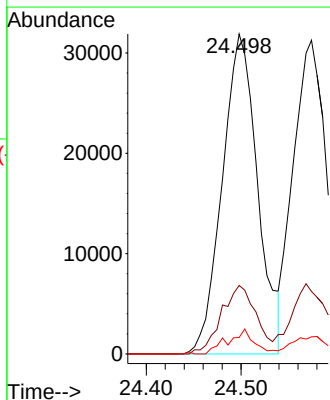
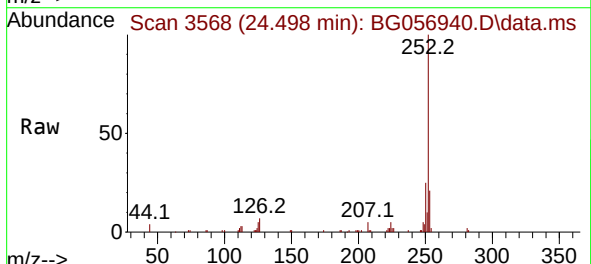
Manual Integrations
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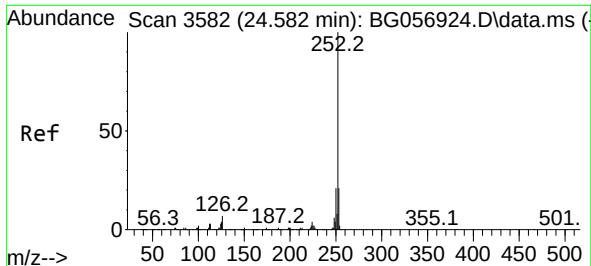
Reviewed By :Christian Giraldo 04/03/2023
 Supervised By :Jagrut Upadhyay 04/03/2023



#88
 Benzo(b)fluoranthene
 Concen: 10.011 ng
 RT: 24.498 min Scan# 3568
 Delta R.T. -0.014 min
 Lab File: BG056940.D
 Acq: 31 Mar 2023 12:03

Tgt Ion:252 Resp: 82600
 Ion Ratio Lower Upper
 252 100
 253 21.4 18.1 27.1
 125 5.1 4.2 6.4





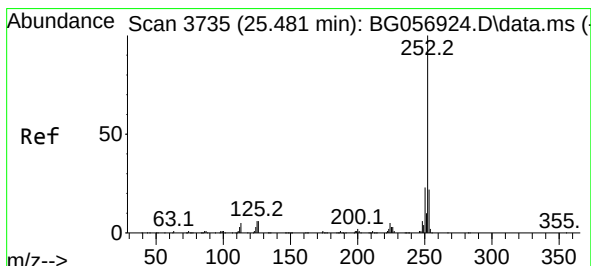
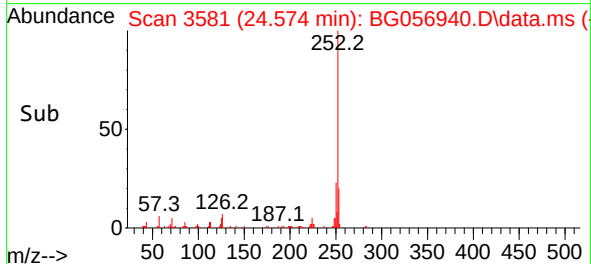
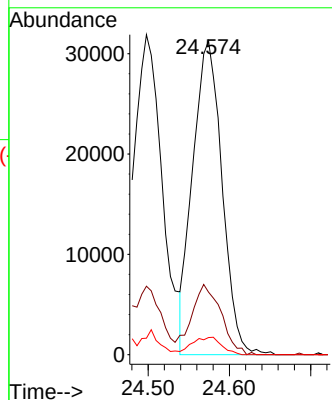
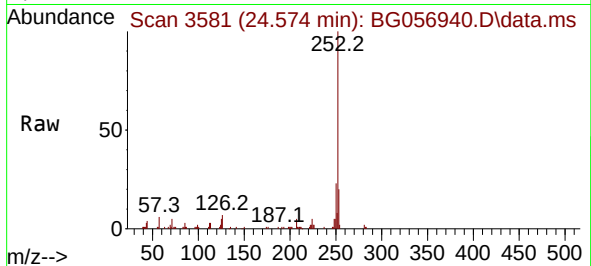
#89
Benzo(k)fluoranthene
Concen: 9.501 ng
RT: 24.574 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

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

Tgt Ion:252 Resp: 7826
Ion Ratio Lower Upper
252 100
253 20.0 17.1 25.7
125 5.5 3.8 5.6

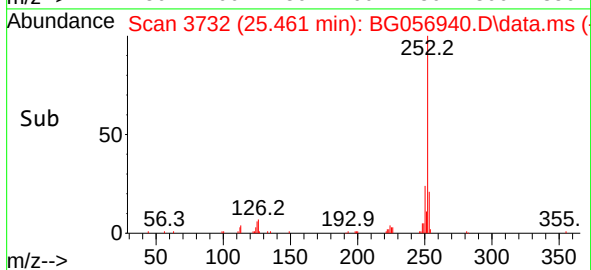
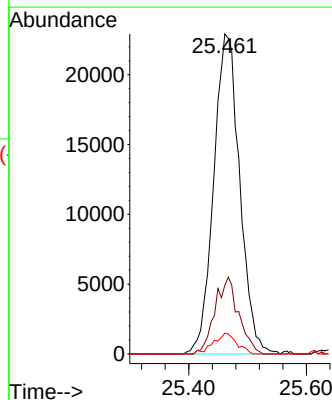
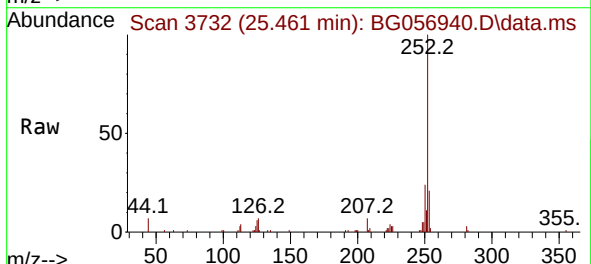
Manual Integrations
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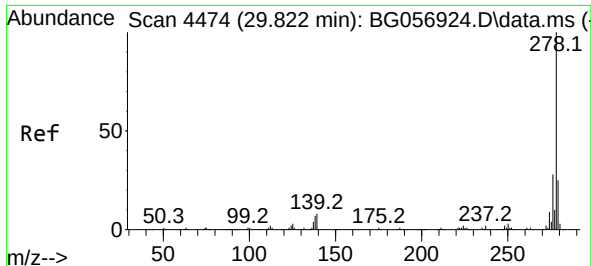
Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023



#90
Benzo(a)pyrene
Concen: 8.674 ng
RT: 25.461 min Scan# 3732
Delta R.T. -0.020 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

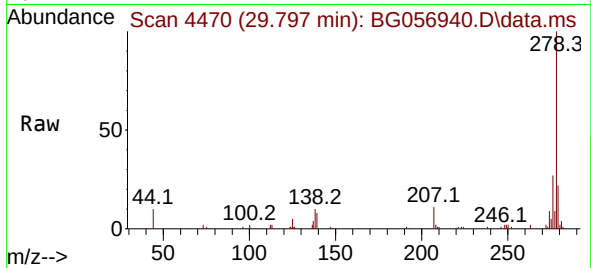
Tgt Ion:252 Resp: 70327
Ion Ratio Lower Upper
252 100
253 21.5 17.6 26.4
125 6.5 4.5 6.7





#91
Dibenzo(a,h)anthracene
Concen: 9.558 ng
RT: 29.797 min Scan# 4474
Delta R.T. -0.026 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

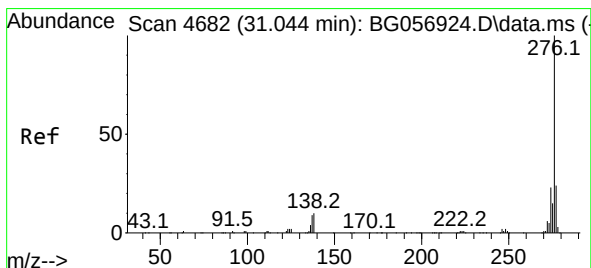
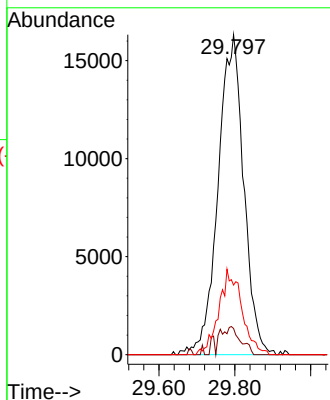
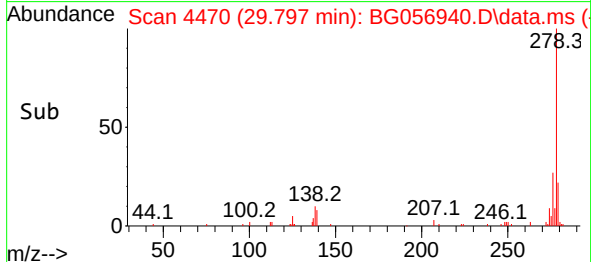
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:278 Resp: 7661
Ion Ratio Lower Upper
278 100
139 8.2 6.4 9.6
279 21.7 20.2 30.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 9.250 ng
RT: 31.007 min Scan# 4676
Delta R.T. -0.037 min
Lab File: BG056940.D
Acq: 31 Mar 2023 12:03

Tgt Ion:276 Resp: 72599
Ion Ratio Lower Upper
276 100
277 21.0 19.1 28.7
138 10.1 8.2 12.2

