

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040323\
 Data File : BG056953.D
 Acq On : 3 Apr 2023 11:47
 Operator : CG/JU
 Sample : 01627-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2023

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/04/2023
 Supervised By : Jagrut Upadhyay 04/05/2023

Quant Time: Apr 04 04:53:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 03:23:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.414	152	16388	20.000	ng	0.00
21) Naphthalene-d8	11.257	136	68547	20.000	ng	# 0.00
39) Acenaphthene-d10	15.028	164	53681	20.000	ng	0.00
64) Phenanthrene-d10	17.772	188	135337	20.000	ng	0.00
76) Chrysene-d12	22.095	240	127220	20.000	ng	0.00
86) Perylene-d12	25.638	264	139644	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.917	112	105363	102.897	ng	0.00
7) Phenol-d6	7.539	99	154320	100.766	ng	0.00
23) Nitrobenzene-d5	9.589	82	126409	75.457	ng	0.00
42) 2,4,6-Tribromophenol	16.509	330	91989	107.267	ng	0.00
45) 2-Fluorobiphenyl	13.654	172	302372	76.381	ng	0.00
79) Terphenyl-d14	20.339	244	584277	77.715	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.726	88	3395	7.563	ng	89
3) Pyridine	4.155	79	8873	6.137	ng	90
4) n-Nitrosodimethylamine	4.055	42	4468	6.722	ng	# 76
6) Aniline	7.727	93	13399	6.844	ng	# 89
8) 2-Chlorophenol	7.967	128	6964	6.828	ng	86
9) Benzaldehyde	7.539	77	9225	9.604	ng	# 87
10) Phenol	7.562	94	11043	7.277	ng	93
11) bis(2-Chloroethyl)ether	7.809	93	7506	6.944	ng	97
12) 1,3-Dichlorobenzene	8.302	146	8624	7.652	ng	93
13) 1,4-Dichlorobenzene	8.449	146	8453	7.432	ng	94
14) 1,2-Dichlorobenzene	8.772	146	8135	7.403	ng	90
15) Benzyl Alcohol	8.643	79	8331	6.547	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.931	45	9733	7.471	ng	94
17) 2-Methylphenol	8.837	107	7342	6.782	ng	90
18) Hexachloroethane	9.518	117	2886	6.942	ng	# 80
19) n-Nitroso-di-n-propyla...	9.213	70	7943	7.251	ng	# 95
20) 3+4-Methylphenols	9.166	107	10045	6.635	ng	97
22) Acetophenone	9.236	105	14271	6.997	ng	# 89
24) Nitrobenzene	9.636	77	12527	7.314	ng	# 84
25) Isophorone	10.153	82	21688	6.799	ng	97
26) 2-Nitrophenol	10.352	139	4248	6.426	ng	# 86
27) 2,4-Dimethylphenol	10.394	122	7804	6.686	ng	98
28) bis(2-Chloroethoxy)met...	10.629	93	11034	6.909	ng	96
29) 2,4-Dichlorophenol	10.893	162	7932	6.319	ng	97
30) 1,2,4-Trichlorobenzene	11.110	180	9901	7.423	ng	97
31) Naphthalene	11.310	128	25235	6.754	ng	95
32) Benzoic acid	10.458	122	3364	4.196	ng	94
33) 4-Chloroaniline	11.404	127	10868	6.440	ng	99
34) Hexachlorobutadiene	11.586	225	6879	6.866	ng	98
35) Caprolactam	12.138	113	2889	6.673	ng	# 85
36) 4-Chloro-3-methylphenol	12.491	107	8633	6.150	ng	# 81
37) 2-Methylnaphthalene	12.878	142	20097	6.777	ng	94
38) 1-Methylnaphthalene	13.096	142	19144m	6.875	ng	
40) 1,2,4,5-Tetrachloroben...	13.237	216	13448	7.224	ng	99
41) Hexachlorocyclopentadiene	13.219	237	7247	7.066	ng	94
43) 2,4,6-Trichlorophenol	13.472	196	7729	6.506	ng	98

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Instrument :
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 ClientSampleId :
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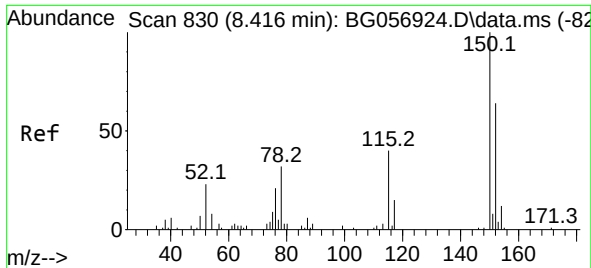
Quant Time: Apr 04 04:53:46 2023
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 Supervised By :Jagrut Upadhyay 04/05/2023

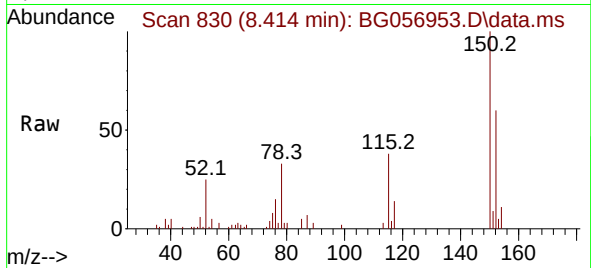
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.542	196	8518	6.053	ng	96
46) 1,1'-Biphenyl	13.865	154	27634	7.032	ng	93
47) 2-Chloronaphthalene	13.918	162	20497	7.053	ng	97
48) 2-Nitroaniline	14.106	65	6587	6.338	ng	94
49) Acenaphthylene	14.758	152	33347	6.983	ng	97
50) Dimethylphthalate	14.459	163	29283	6.923	ng	# 99
51) 2,6-Dinitrotoluene	14.588	165	5874	6.428	ng	97
52) Acenaphthene	15.093	154	21475	6.521	ng	92
53) 3-Nitroaniline	14.917	138	5990	6.622	ng	91
54) 2,4-Dinitrophenol	15.122	184	2515	4.889	ng	94
55) Dibenzofuran	15.422	168	35515	7.185	ng	97
56) 4-Nitrophenol	15.205	139	4403	6.583	ng	86
57) 2,4-Dinitrotoluene	15.369	165	8474	6.575	ng	# 97
58) Fluorene	16.068	166	29698	7.261	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.639	232	8823	6.886	ng	# 91
60) Diethylphthalate	15.810	149	29430	6.941	ng	95
61) 4-Chlorophenyl-phenyle...	16.051	204	16729	6.966	ng	96
62) 4-Nitroaniline	16.074	138	6997	7.466	ng	# 71
63) Azobenzene	16.344	77	28391	6.719	ng	99
65) 4,6-Dinitro-2-methylph...	16.127	198	4229	5.159	ng	96
66) n-Nitrosodiphenylamine	16.262	169	23996	6.605	ng	95
67) 4-Bromophenyl-phenylether	16.944	248	11106	6.632	ng	95
68) Hexachlorobenzene	17.073	284	12341	7.454	ng	94
69) Atrazine	17.190	200	10792	7.156	ng	96
70) Pentachlorophenol	17.413	266	5418m	4.562	ng	
71) Phenanthrene	17.813	178	46870	6.793	ng	99
72) Anthracene	17.901	178	49599	7.012	ng	96
73) Carbazole	18.165	167	42915	6.959	ng	97
74) Di-n-butylphthalate	18.688	149	47604	6.666	ng	98
75) Fluoranthene	19.798	202	58281	6.663	ng	99
77) Benzidine	19.963	184	33395	9.604	ng	98
78) Pyrene	20.157	202	59699	6.785	ng	98
80) Butylbenzylphthalate	21.020	149	19696	6.505	ng	93
81) Benzo(a)anthracene	22.072	228	60751	6.901	ng	96
82) 3,3'-Dichlorobenzidine	21.966	252	23823	8.014	ng	99
83) Chrysene	22.142	228	57843	7.017	ng	99
84) Bis(2-ethylhexyl)phtha...	21.925	149	29202	6.660	ng	93
85) Di-n-octyl phthalate	23.247	149	48194	6.523	ng	98
87) Indeno(1,2,3-cd)pyrene	29.720	276	72298	7.005	ng	# 82
88) Benzo(b)fluoranthene	24.498	252	60778	6.960	ng	95
89) Benzo(k)fluoranthene	24.574	252	63433	7.276	ng	97
90) Benzo(a)pyrene	25.467	252	53502	6.235	ng	93
91) Dibenzo(a,h)anthracene	29.797	278	59580	7.023	ng	# 92
92) Benzo(g,h,i)perylene	31.019	276	56772	6.835	ng	98

(#) = 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: BG056953.D
Acq: 3 Apr 2023 11:47

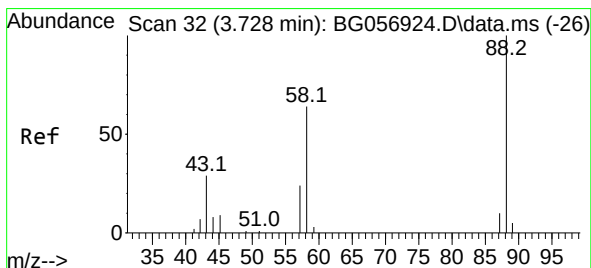
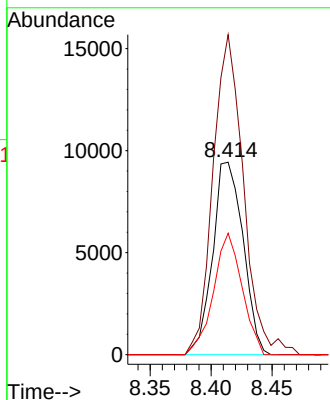
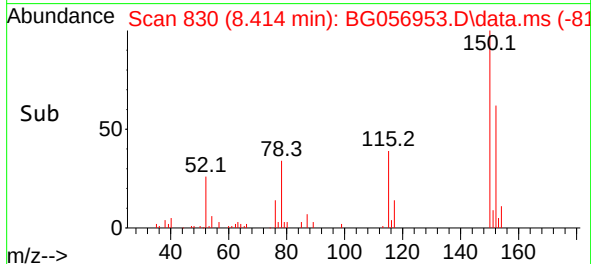
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:152 Resp: 1638
Ion Ratio Lower Upper
152 100
150 166.3 124.1 186.1
115 63.1 49.1 73.7

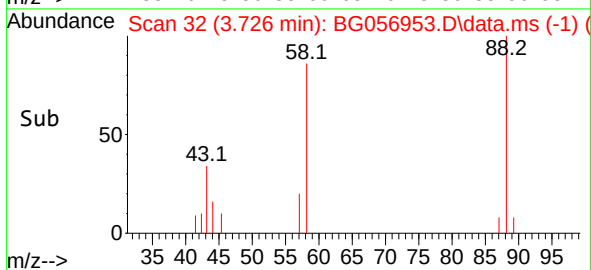
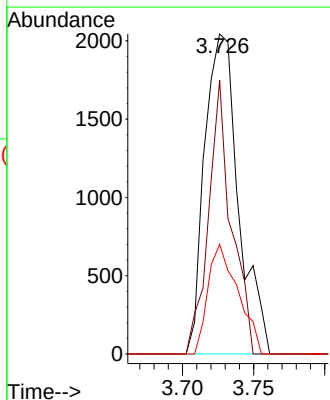
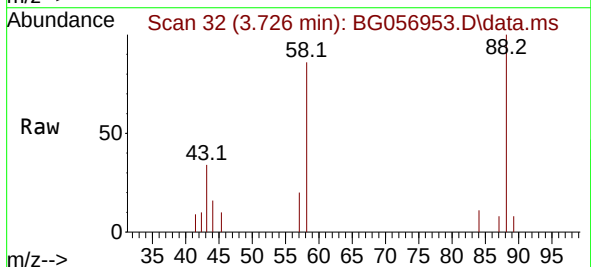
Manual Integrations
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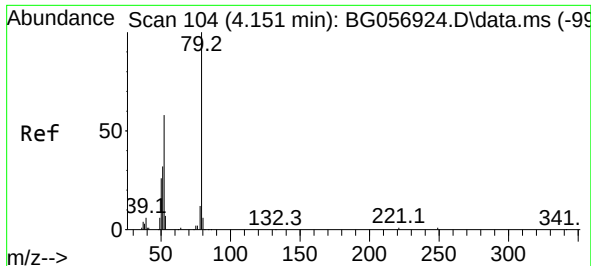
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#2
1,4-Dioxane
Concen: 7.563 ng
RT: 3.726 min Scan# 32
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

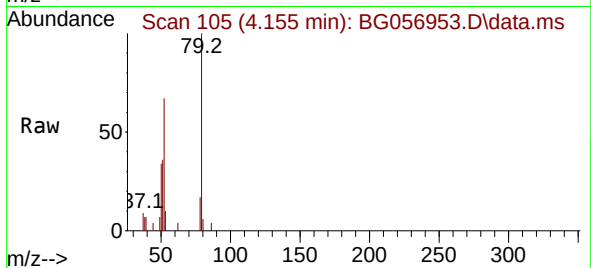
Tgt Ion: 88 Resp: 3395
Ion Ratio Lower Upper
88 100
58 57.8 55.9 83.9
43 30.3 25.7 38.5





#3
Pyridine
Concen: 6.137 ng
RT: 4.155 min Scan# 104
Delta R.T. 0.004 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

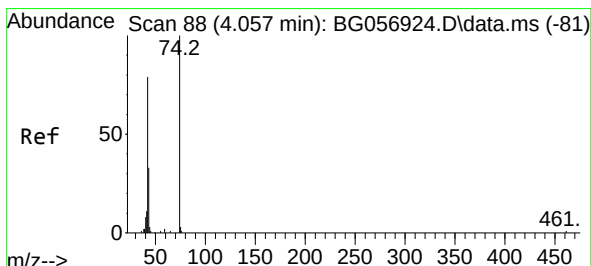
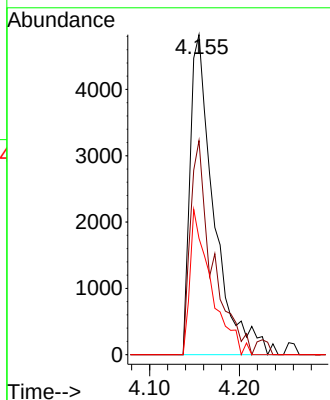
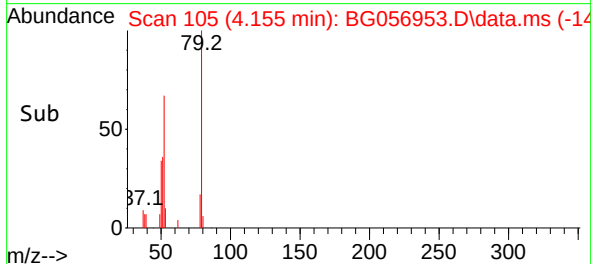
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion: 79 Resp: 887
Ion Ratio Lower Upper
79 100
52 66.9 46.1 69.1
51 36.4 26.1 39.1

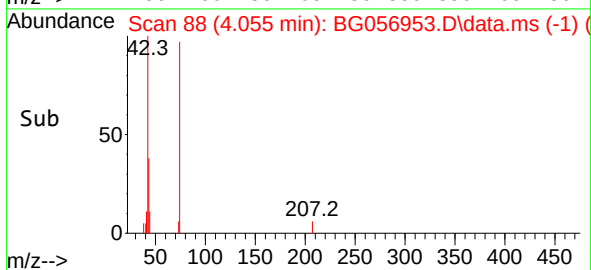
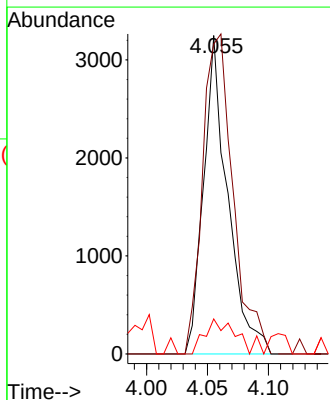
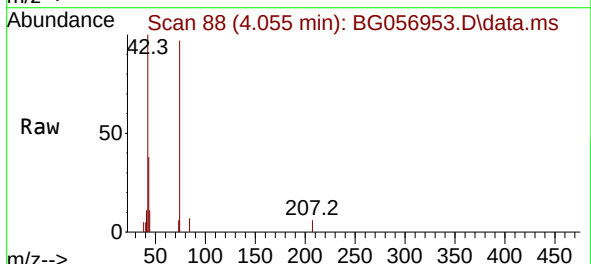
Manual Integrations
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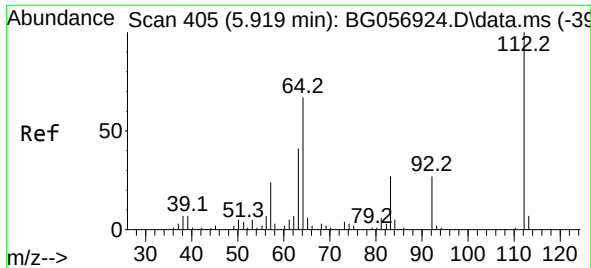
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#4
n-Nitrosodimethylamine
Concen: 6.722 ng
RT: 4.055 min Scan# 88
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

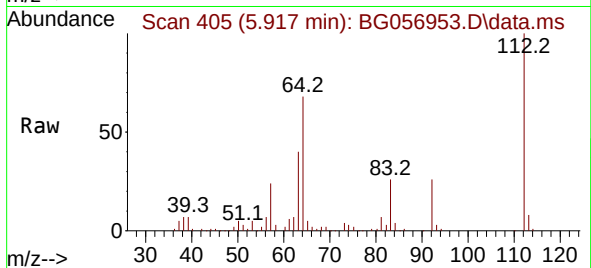
Tgt Ion: 42 Resp: 4468
Ion Ratio Lower Upper
42 100
74 97.4 100.6 151.0#
44 11.0 4.6 7.0#





#5
2-Fluorophenol
Concen: 102.897 ng
RT: 5.917 min Scan# 405
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

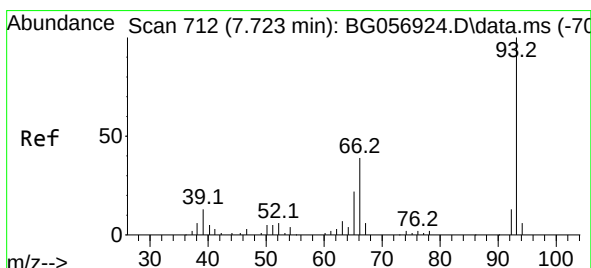
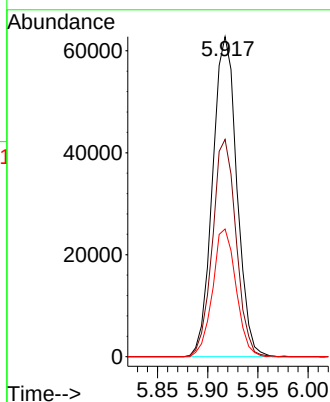
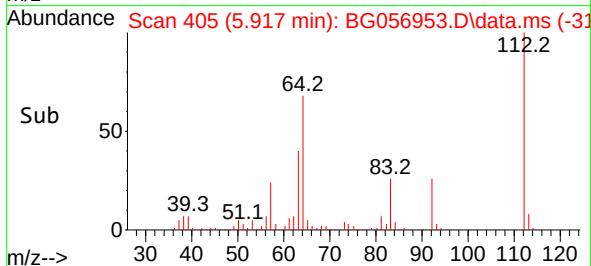
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT1-2023



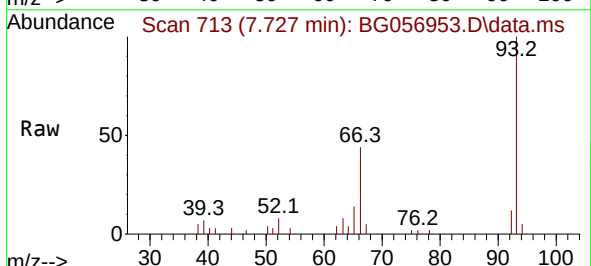
Tgt Ion:112 Resp: 10536
Ion Ratio Lower Upper
112 100
64 67.9 53.2 79.8
63 39.9 32.6 48.8

Manual Integrations
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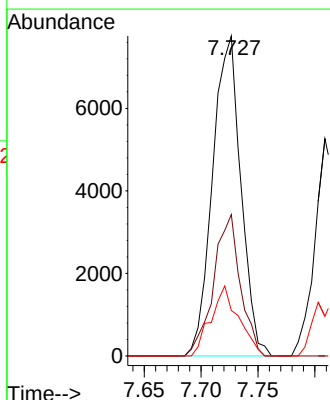
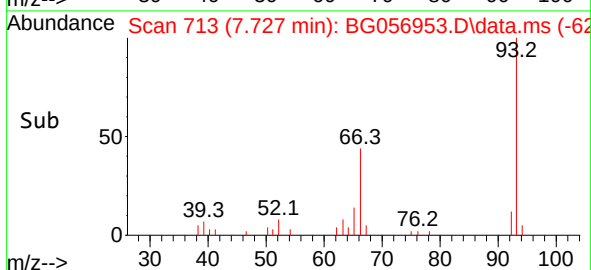
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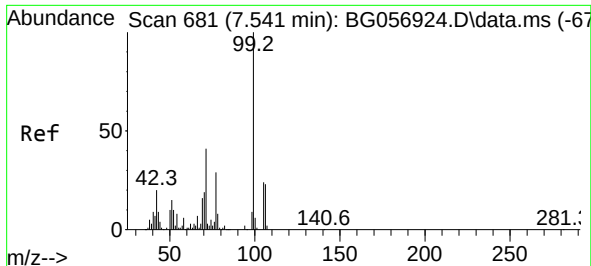


#6
Aniline
Concen: 6.844 ng
RT: 7.727 min Scan# 713
Delta R.T. 0.004 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47



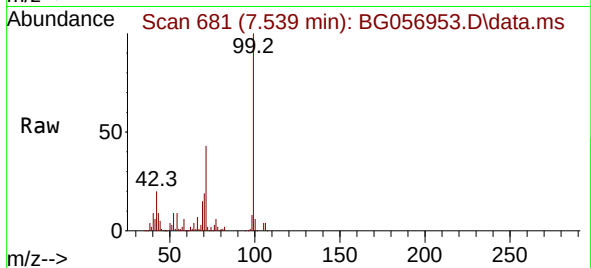
Tgt Ion: 93 Resp: 13399
Ion Ratio Lower Upper
93 100
66 44.2 31.4 47.0
65 14.2 17.3 25.9#





#7
Phenol-d6
Concen: 100.766 ng
RT: 7.539 min Scan# 681
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

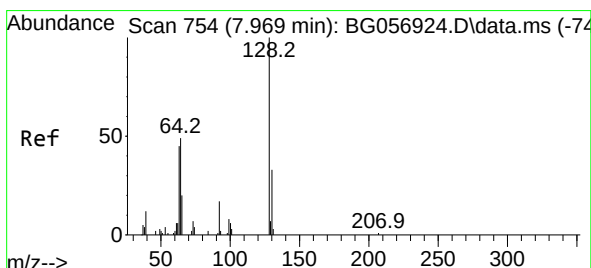
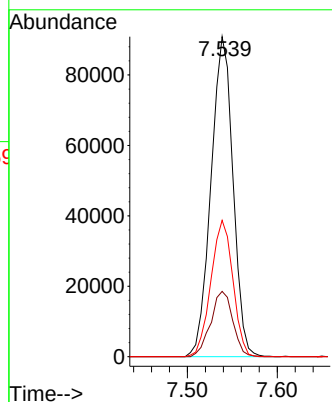
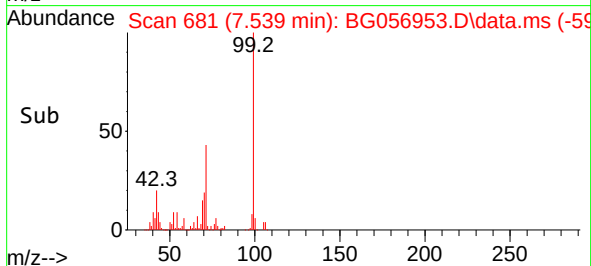
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion: 99 Resp: 154320
Ion Ratio Lower Upper
99 100
42 20.4 15.7 23.5
71 42.6 32.5 48.7

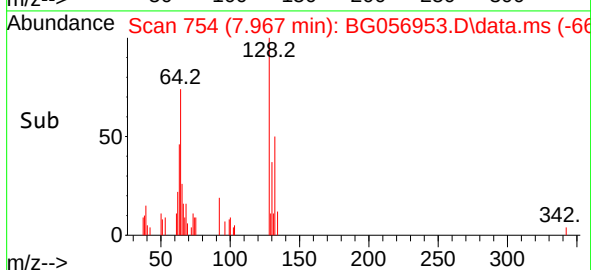
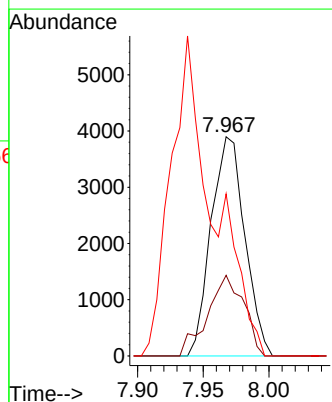
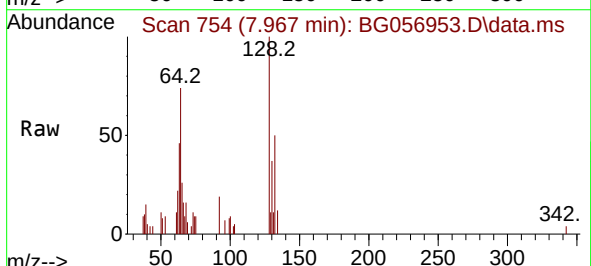
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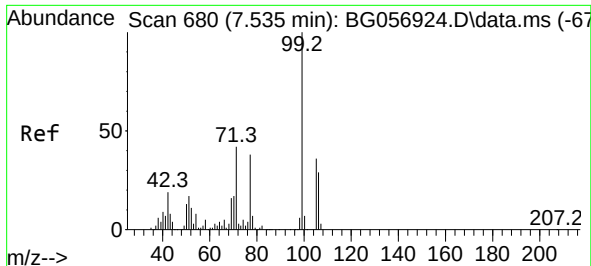
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#8
2-Chlorophenol
Concen: 6.828 ng
RT: 7.967 min Scan# 754
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

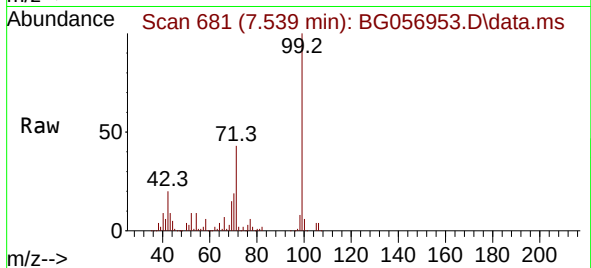
Tgt Ion:128 Resp: 6964
Ion Ratio Lower Upper
128 100
130 36.8 12.6 52.6
64 73.9 40.6 80.6





#9
Benzaldehyde
Concen: 9.604 ng
RT: 7.539 min Scan# 680
Delta R.T. 0.004 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

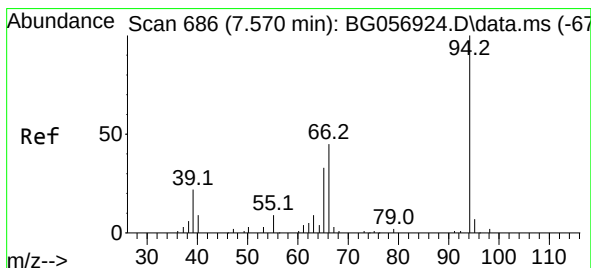
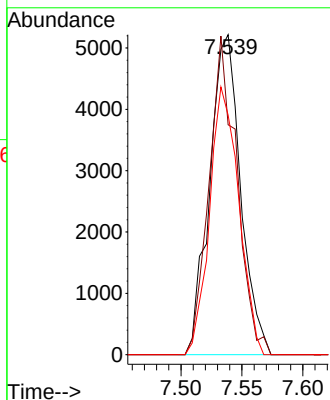
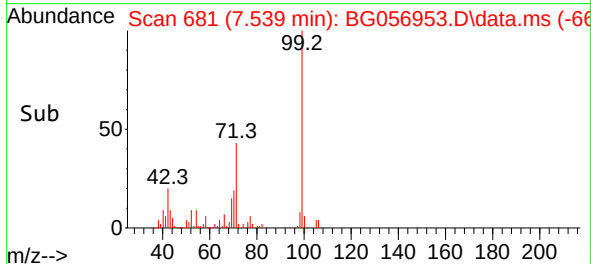
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion: 77 Resp: 9225
Ion Ratio Lower Upper
77 100
105 71.8 73.6 113.6
106 74.9 56.7 96.7

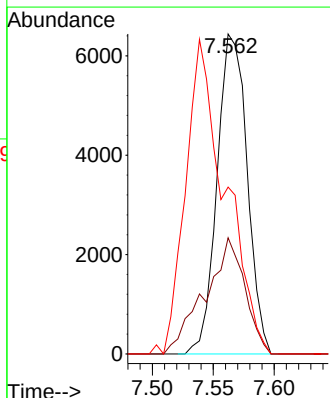
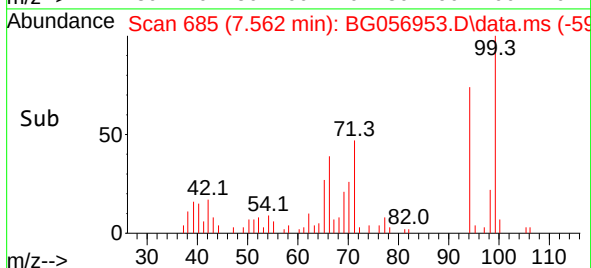
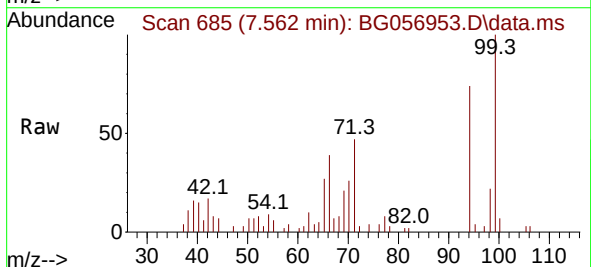
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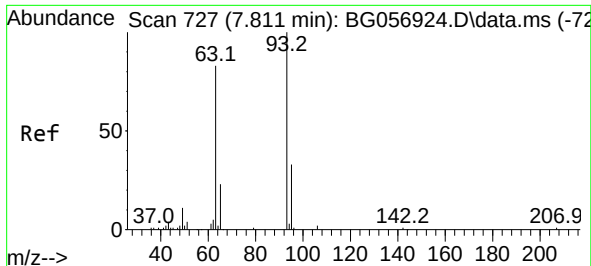
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#10
Phenol
Concen: 7.277 ng
RT: 7.562 min Scan# 685
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

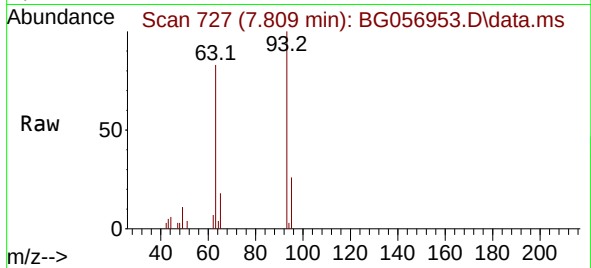
Tgt Ion: 94 Resp: 11043
Ion Ratio Lower Upper
94 100
65 36.3 13.3 53.3
66 52.2 26.7 66.7





#11
bis(2-Chloroethyl)ether
Concen: 6.944 ng
RT: 7.809 min Scan# 727
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

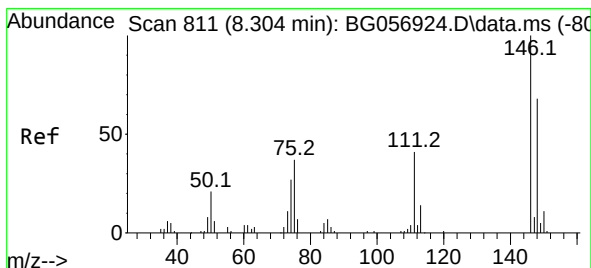
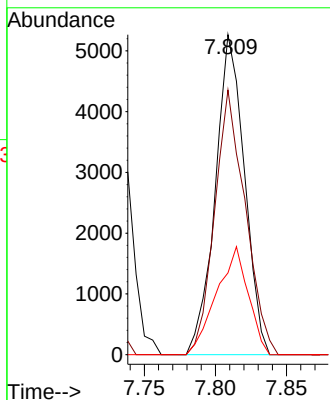
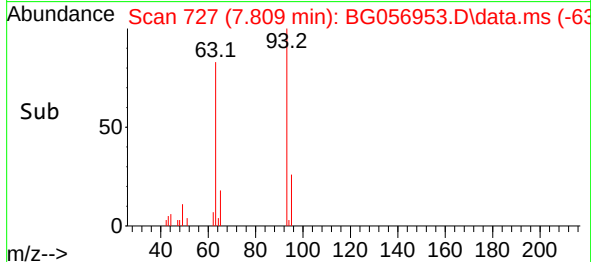
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion: 93 Resp: 7500
Ion Ratio Lower Upper
93 100
63 82.7 62.7 102.7
95 25.5 12.3 52.3

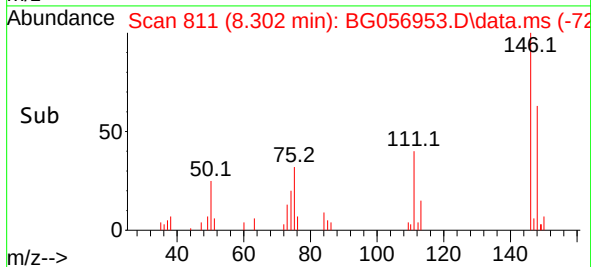
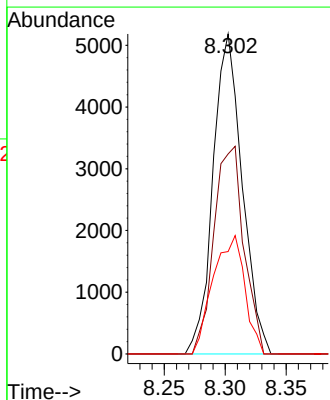
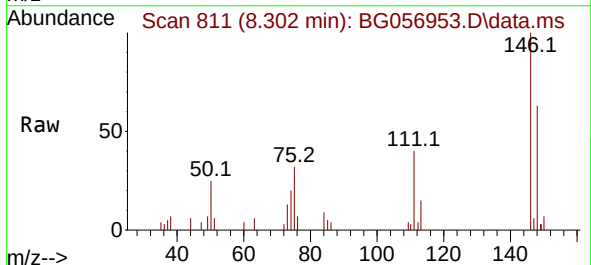
Manual Integrations
APPROVED

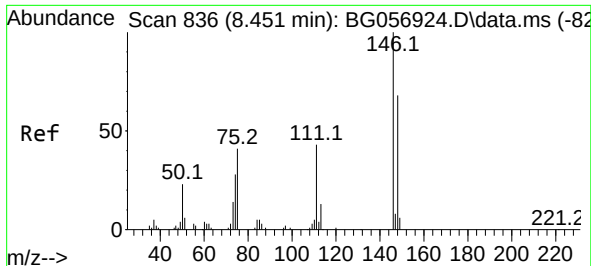
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#12
1,3-Dichlorobenzene
Concen: 7.652 ng
RT: 8.302 min Scan# 811
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:146 Resp: 8624
Ion Ratio Lower Upper
146 100
148 62.5 54.2 81.4
75 32.0 29.8 44.8





#13

1,4-Dichlorobenzene

Concen: 7.432 ng

RT: 8.449 min Scan# 81

Delta R.T. -0.002 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

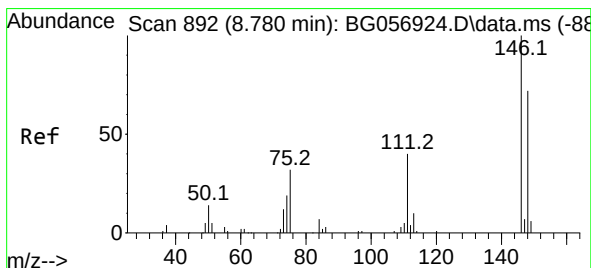
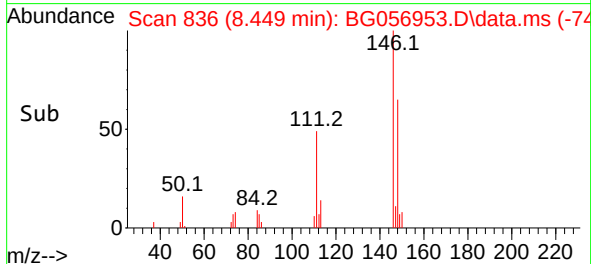
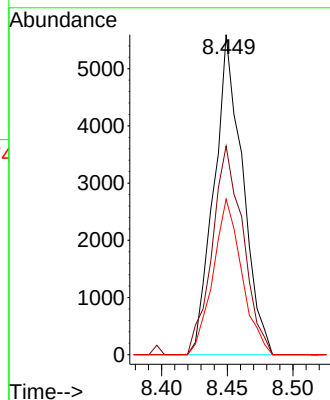
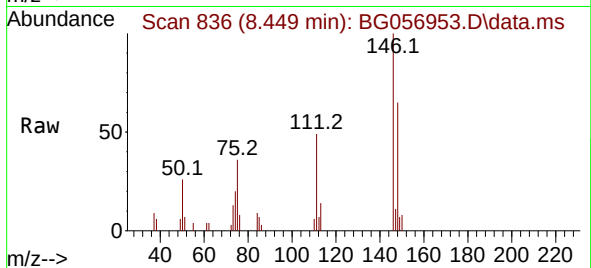
MDL-SOIL-03-QT1-2023

Tgt Ion:146 Resp: 845
 Ion Ratio Lower Upper
 146 100
 148 65.2 54.8 82.2
 111 48.6 34.6 52.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/04/2023
 Supervised By :Jagrut Upadhyay 04/05/2023



#14

1,2-Dichlorobenzene

Concen: 7.403 ng

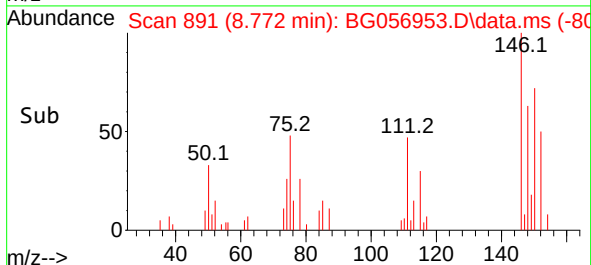
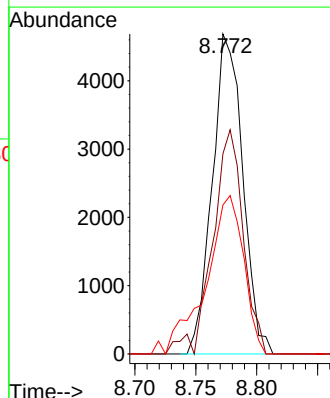
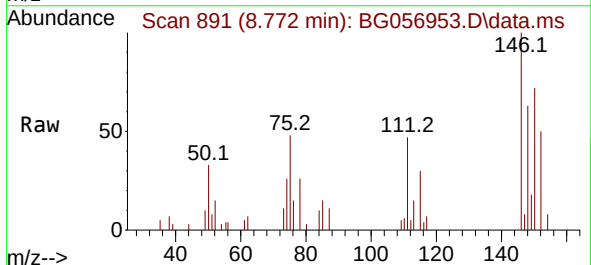
RT: 8.772 min Scan# 891

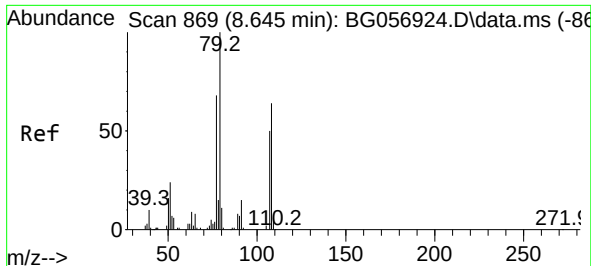
Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

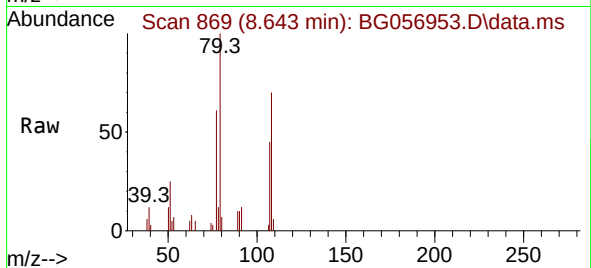
Tgt Ion:146 Resp: 8135
 Ion Ratio Lower Upper
 146 100
 148 62.5 57.4 86.0
 111 46.5 33.2 49.8





#15
Benzyl Alcohol
Concen: 6.547 ng
RT: 8.643 min Scan# 869
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

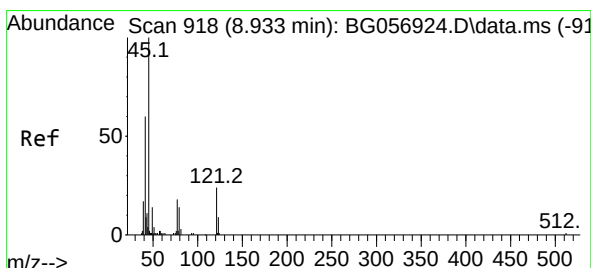
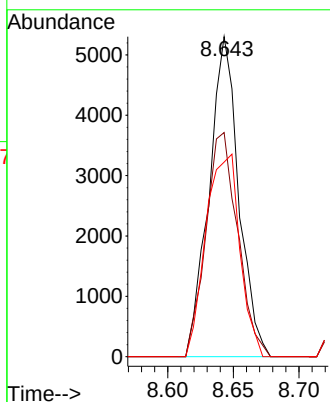
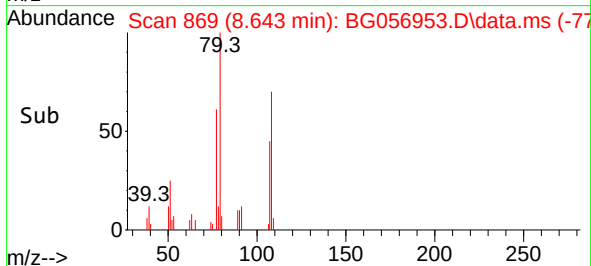
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT1-2023



Tgt Ion: 79 Resp: 833
Ion Ratio Lower Upper
79 100
108 70.0 51.2 76.8
77 60.8 54.4 81.6

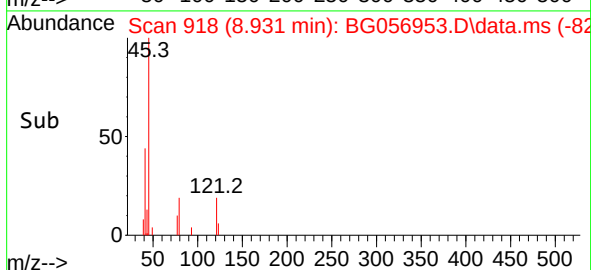
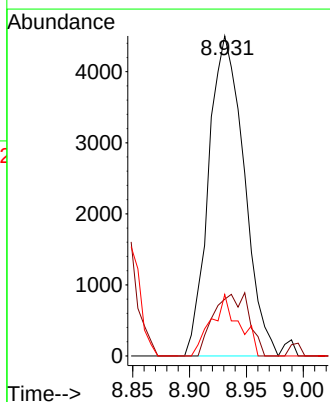
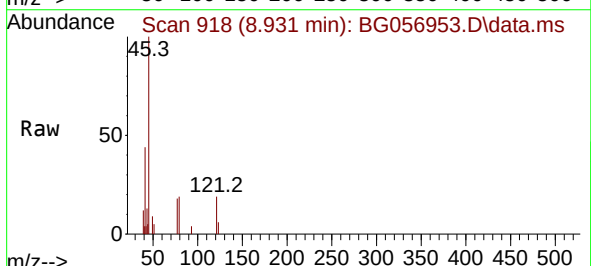
Manual Integrations
APPROVED

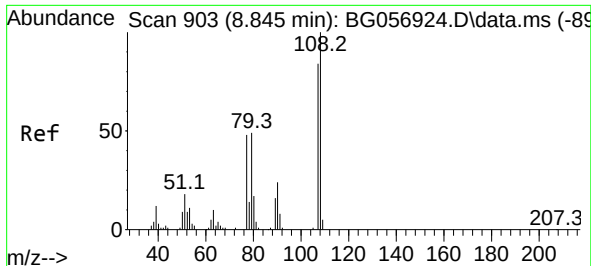
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.471 ng
RT: 8.931 min Scan# 918
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

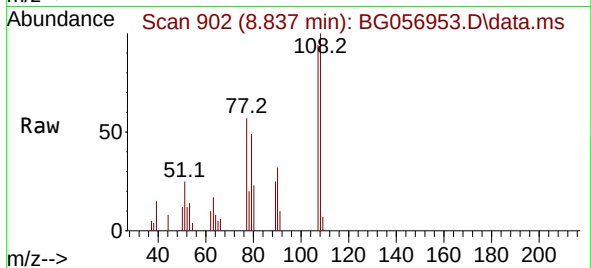
Tgt Ion: 45 Resp: 9733
Ion Ratio Lower Upper
45 100
77 17.8 0.0 38.7
79 19.2 0.0 35.1





#17
2-Methylphenol
Concen: 6.782 ng
RT: 8.837 min Scan# 903
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

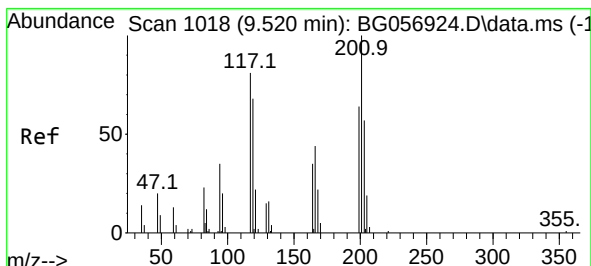
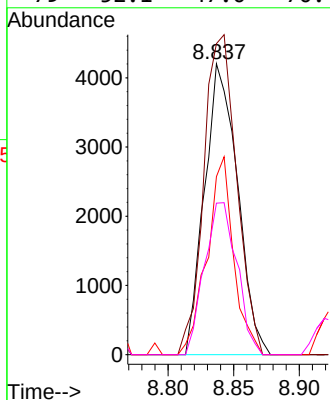
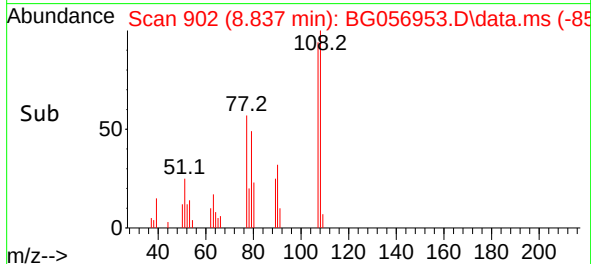
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:	107	Resp:	734
Ion	Ratio	Lower	Upper
107	100		
108	106.9	96.0	144.0
77	61.2	45.6	68.4
79	52.1	47.0	70.4

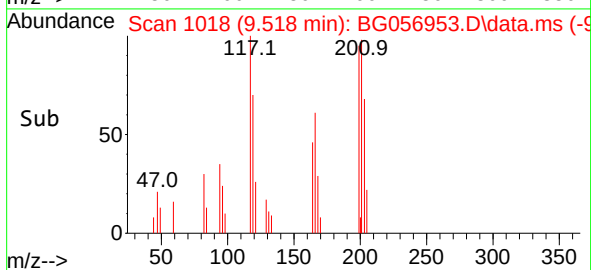
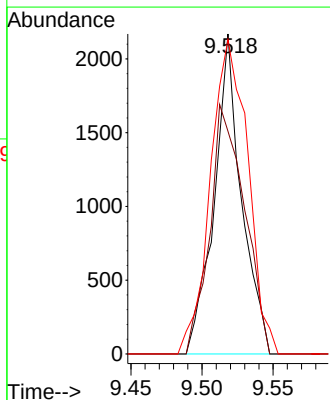
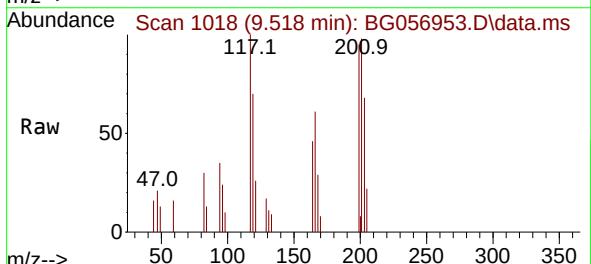
Manual Integrations
APPROVED

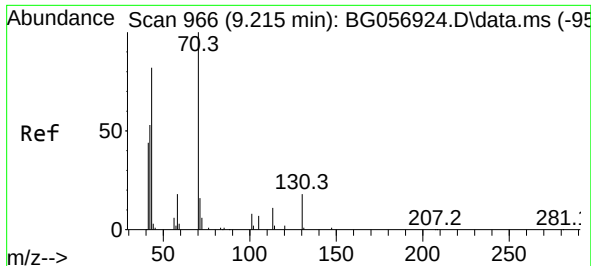
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#18
Hexachloroethane
Concen: 6.942 ng
RT: 9.518 min Scan# 1018
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

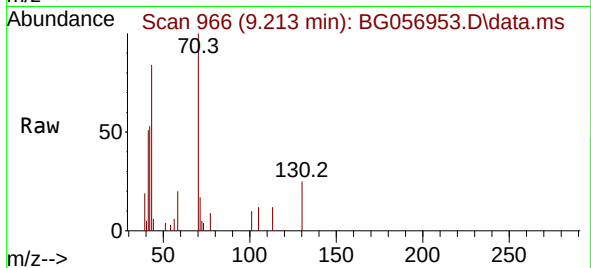
Tgt Ion:	117	Resp:	2886
Ion	Ratio	Lower	Upper
117	100		
119	69.6	67.0	100.6
201	98.3	98.7	148.1





#19
n-Nitroso-di-n-propylamine
Concen: 7.251 ng
RT: 9.213 min Scan# 90
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

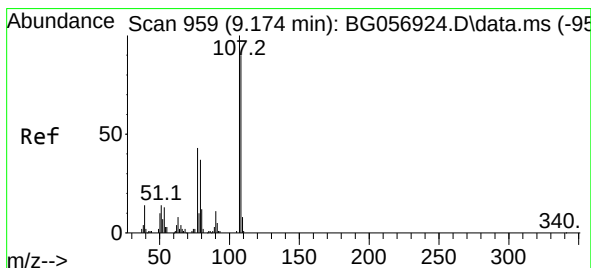
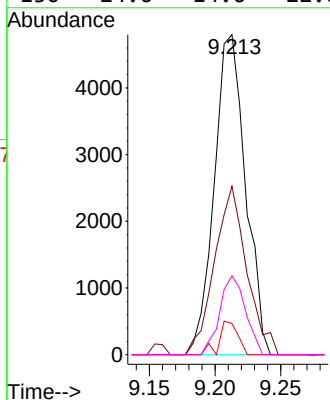
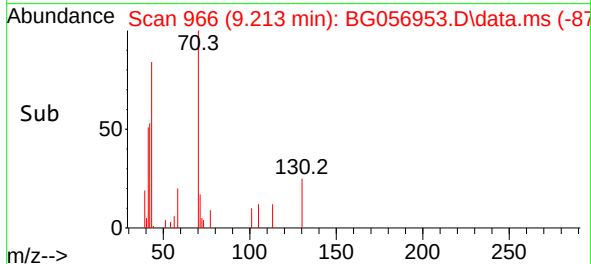
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion: 70 Resp: 794
Ion Ratio Lower Upper
70 100
42 52.7 43.4 65.0
101 9.7 6.2 9.2
130 24.6 14.6 22.0#

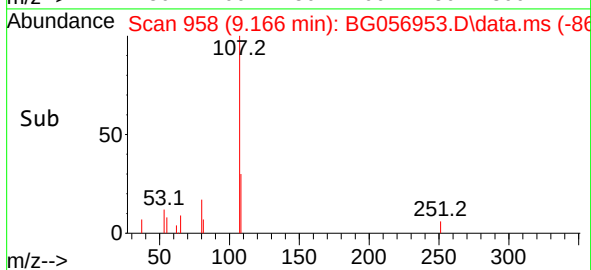
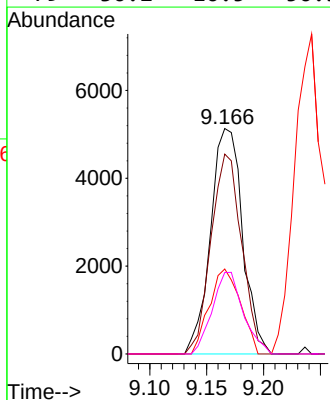
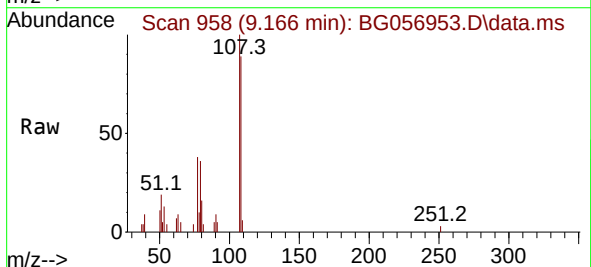
Manual Integrations
APPROVED

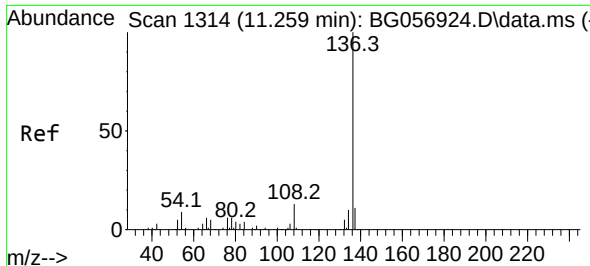
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#20
3+4-Methylphenols
Concen: 6.635 ng
RT: 9.166 min Scan# 958
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

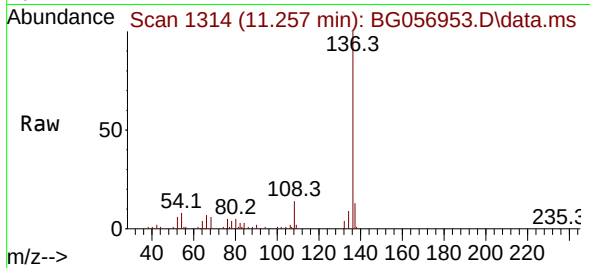
Tgt Ion:107 Resp: 10045
Ion Ratio Lower Upper
107 100
108 88.6 69.9 109.9
77 37.7 22.7 62.7
79 36.2 16.5 56.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.257 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

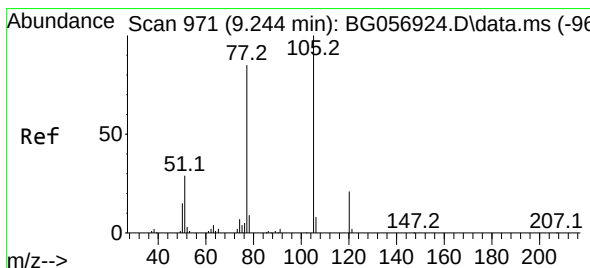
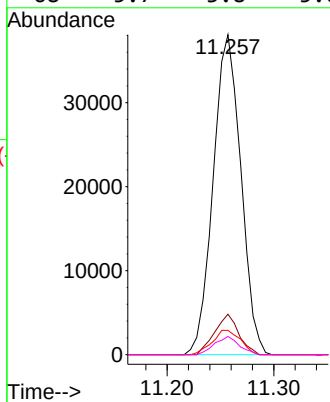
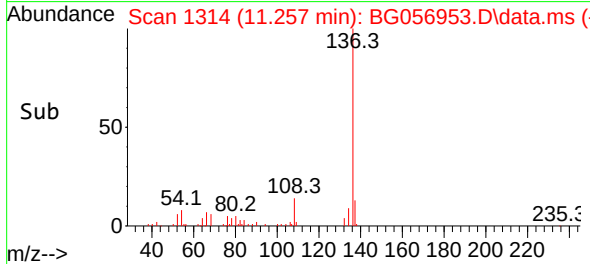
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:	136	Resp:	6854
Ion Ratio	Lower	Upper	
136	100		
137	12.7	8.6	13.0
54	7.6	6.9	10.3
68	5.7	3.8	5.6

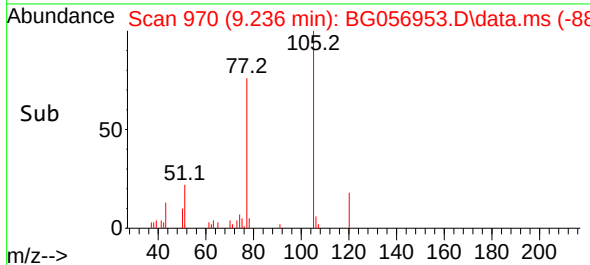
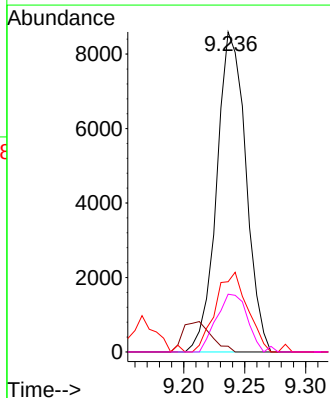
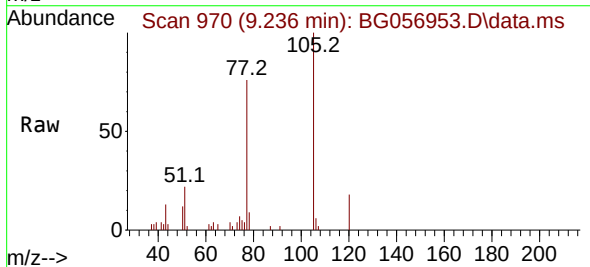
Manual Integrations
APPROVED

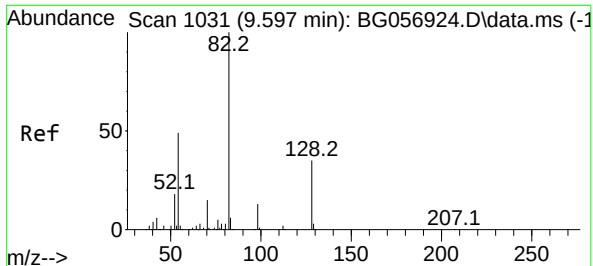
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#22
Acetophenone
Concen: 6.997 ng
RT: 9.236 min Scan# 970
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:	105	Resp:	14271
Ion Ratio	Lower	Upper	
105	100		
71	1.8	0.7	1.1
51	21.9	23.8	35.8
120	18.0	17.0	25.4





#23

Nitrobenzene-d5

Concen: 75.457 ng

RT: 9.589 min Scan# 1030

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

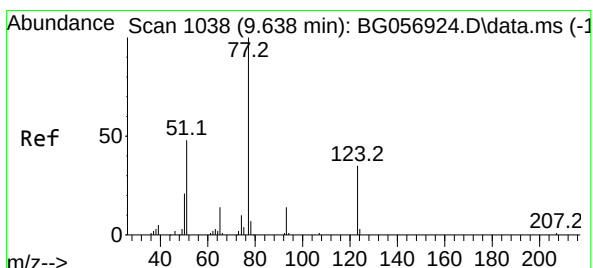
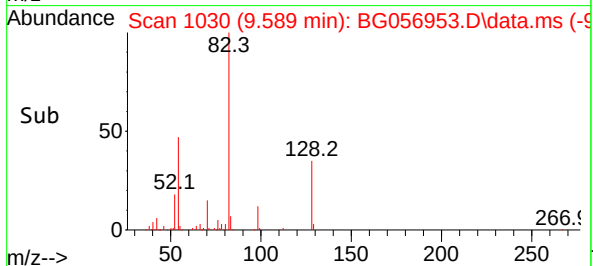
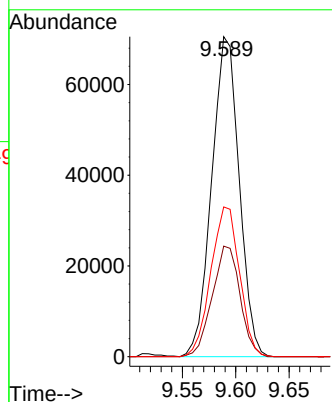
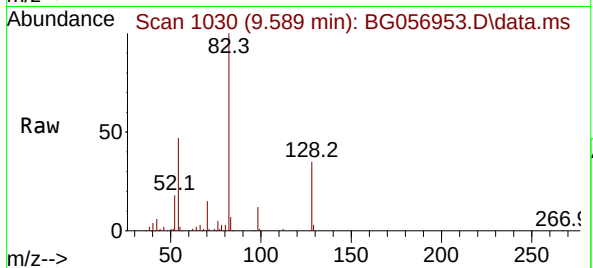
ClientSampleId :

MDL-SOIL-03-QT1-2023

Tgt Ion: 82 Resp: 126409
 Ion Ratio Lower Upper
 82 100
 128 34.5 27.9 41.9
 54 46.8 39.4 59.2

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/04/2023
 Supervised By :Jagrut Upadhyay 04/05/2023



#24

Nitrobenzene

Concen: 7.314 ng

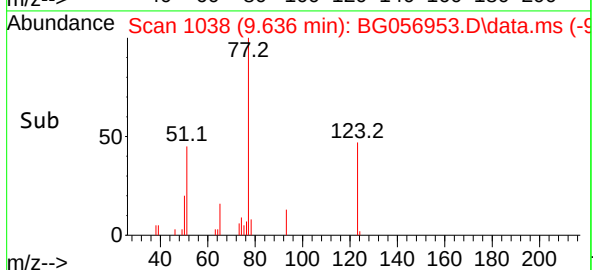
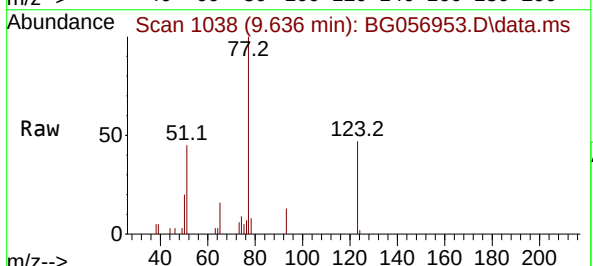
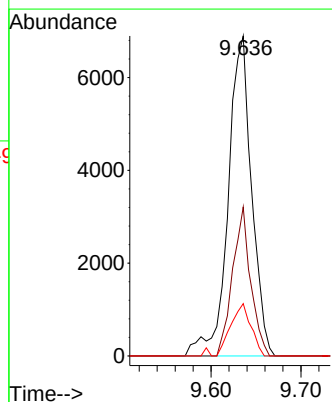
RT: 9.636 min Scan# 1038

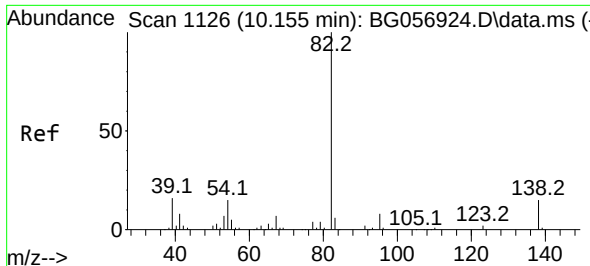
Delta R.T. -0.002 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

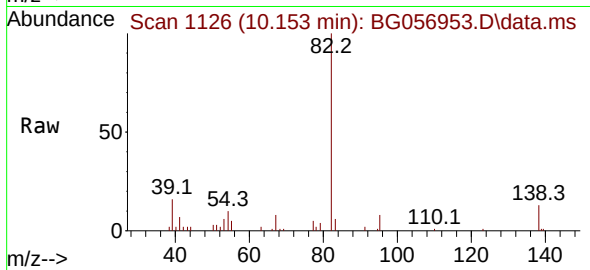
Tgt Ion: 77 Resp: 12527
 Ion Ratio Lower Upper
 77 100
 123 46.5 27.6 41.4#
 65 16.3 11.5 17.3





#25
Isophorone
Concen: 6.799 ng
RT: 10.153 min Scan# 1126
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

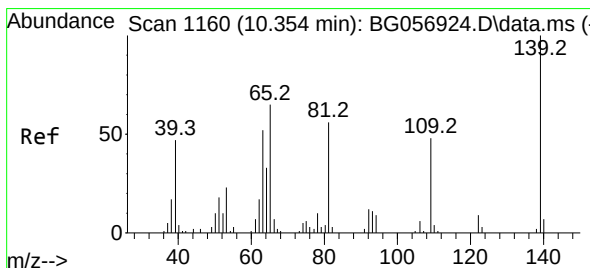
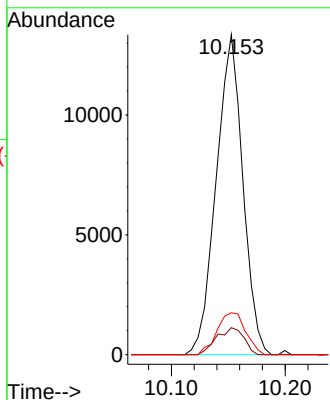
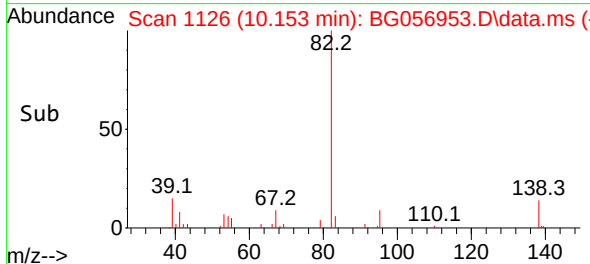
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion: 82 Resp: 2168
Ion Ratio Lower Upper
82 100
95 8.5 6.3 9.5
138 13.1 11.8 17.8

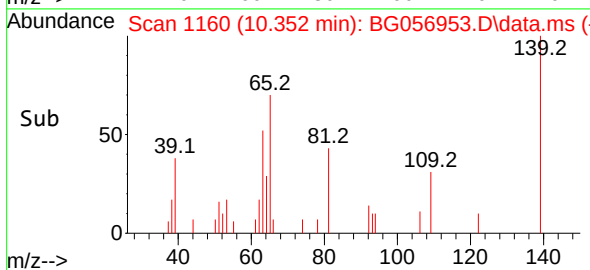
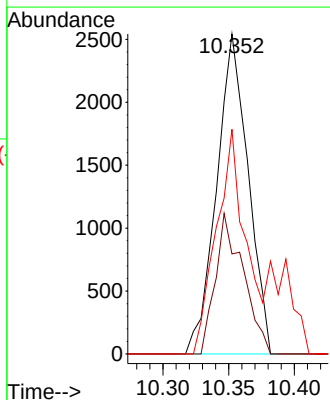
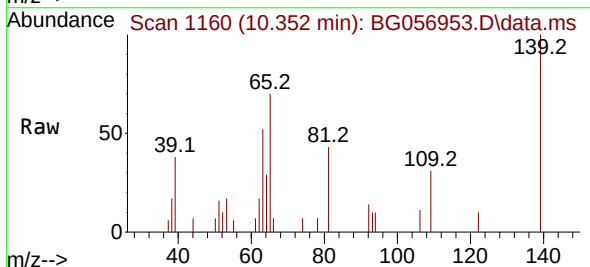
Manual Integrations
APPROVED

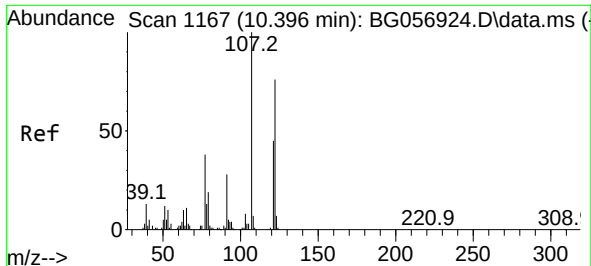
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#26
2-Nitrophenol
Concen: 6.426 ng
RT: 10.352 min Scan# 1160
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:139 Resp: 4248
Ion Ratio Lower Upper
139 100
109 31.3 38.2 57.4#
65 70.2 51.8 77.8





#27

2,4-Dimethylphenol

Concen: 6.686 ng

RT: 10.394 min Scan# 1167

Delta R.T. -0.002 min

Lab File: BG056953.D

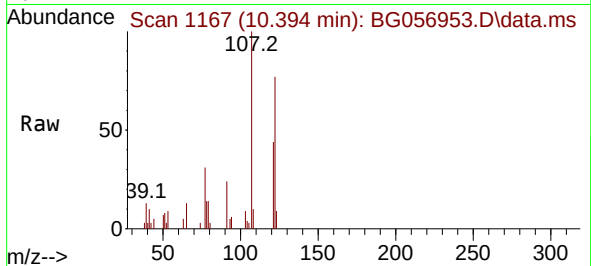
Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023



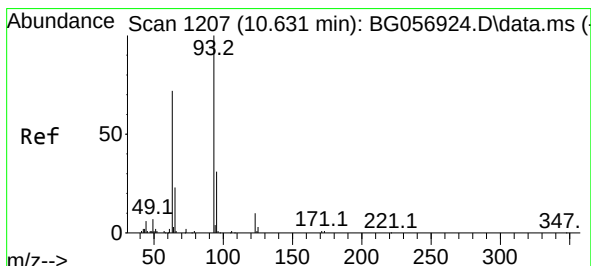
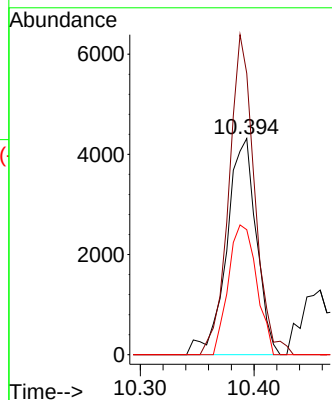
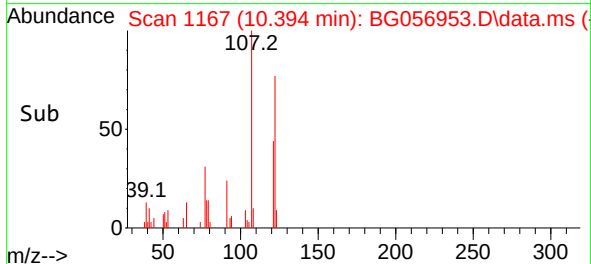
Tgt Ion:	122	Resp:	7804
Ion	Ratio	Lower	Upper
122	100		
107	130.1	105.7	158.5
121	57.8	48.0	72.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/04/2023

Supervised By :Jagrut Upadhyay 04/05/2023



#28

bis(2-Chloroethoxy)methane

Concen: 6.909 ng

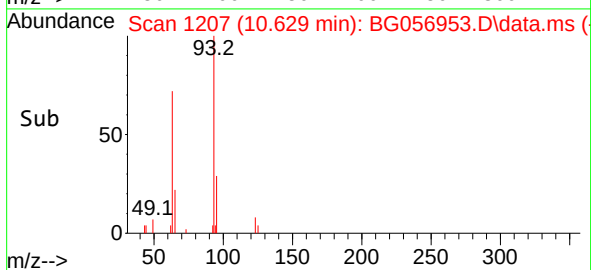
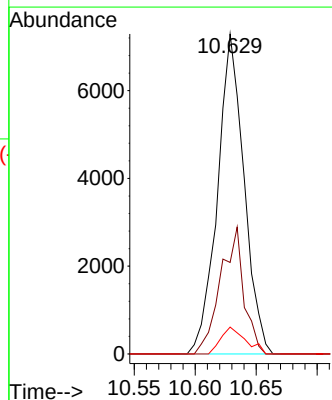
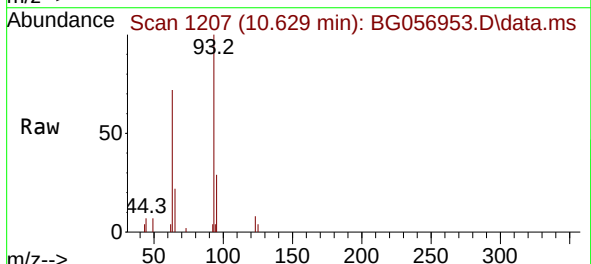
RT: 10.629 min Scan# 1207

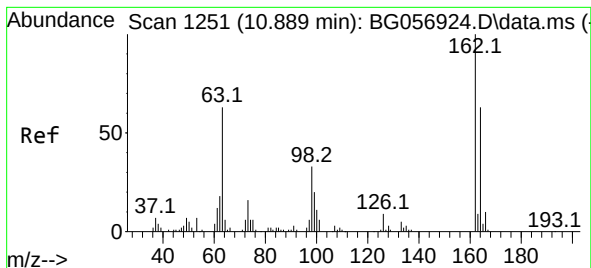
Delta R.T. -0.002 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

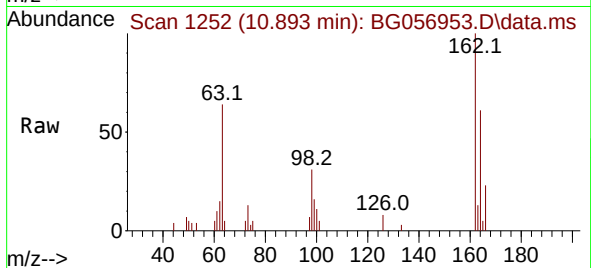
Tgt Ion:	93	Resp:	11034
Ion	Ratio	Lower	Upper
93	100		
95	28.6	24.6	37.0
123	8.4	7.8	11.6





#29
2,4-Dichlorophenol
Concen: 6.319 ng
RT: 10.893 min Scan# 1251
Delta R.T. 0.004 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

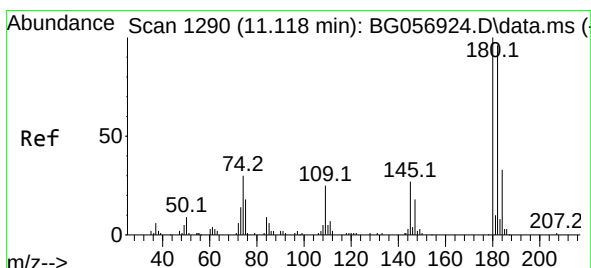
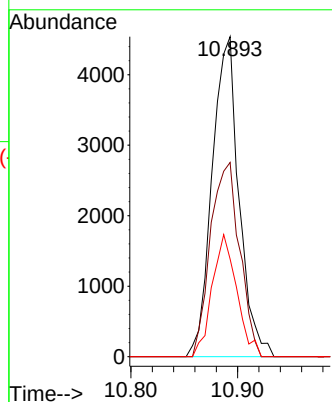
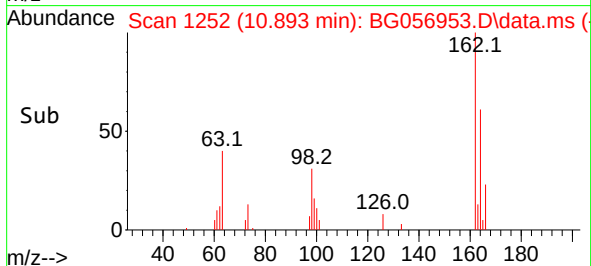
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



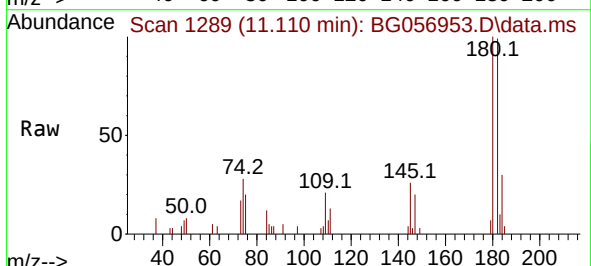
Tgt Ion:162 Resp: 7932
Ion Ratio Lower Upper
162 100
164 60.7 43.4 83.4
98 30.5 12.5 52.5

Manual Integrations
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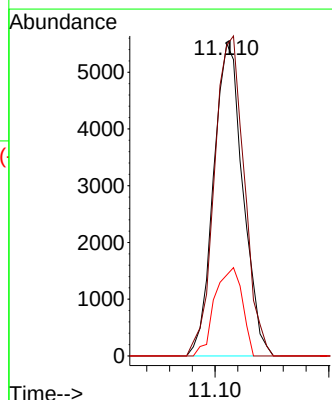
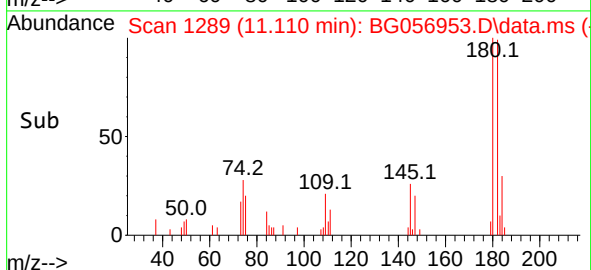
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

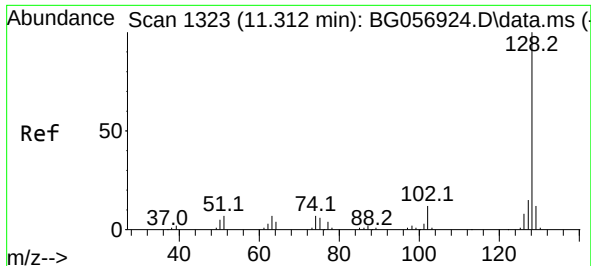


#30
1,2,4-Trichlorobenzene
Concen: 7.423 ng
RT: 11.110 min Scan# 1289
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47



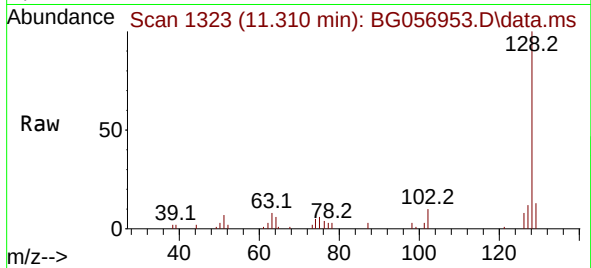
Tgt Ion:180 Resp: 9901
Ion Ratio Lower Upper
180 100
182 99.5 77.1 115.7
145 25.9 21.3 31.9





#31
Naphthalene
Concen: 6.754 ng
RT: 11.310 min Scan# 11310
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

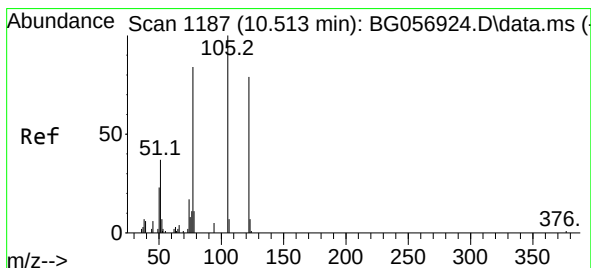
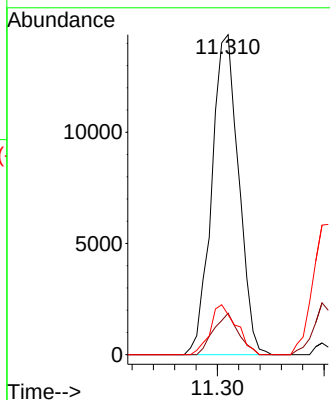
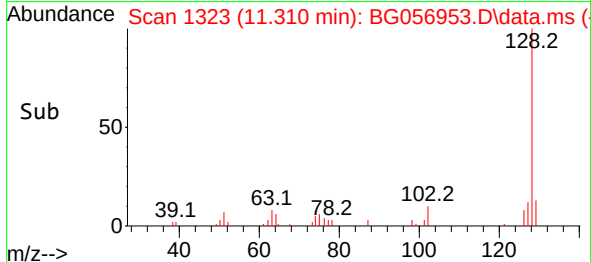
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



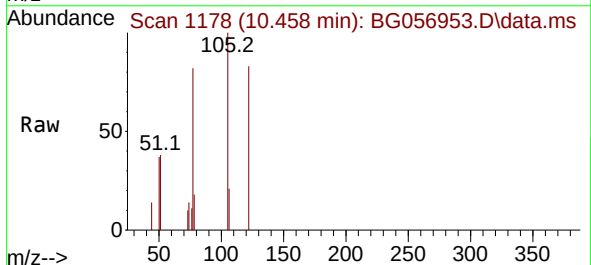
Tgt Ion:128 Resp: 2523
Ion Ratio Lower Upper
128 100
129 13.0 9.4 14.2
127 12.5 12.2 18.4

Manual Integrations
APPROVED

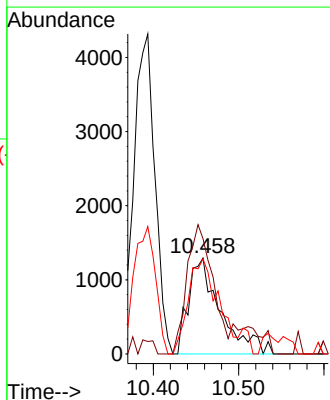
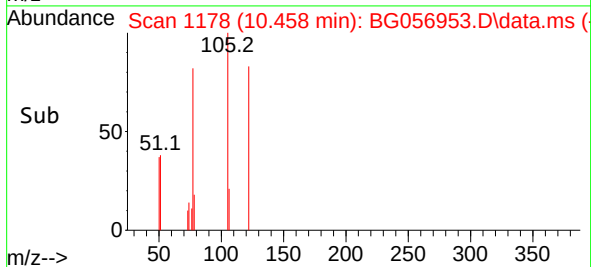
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

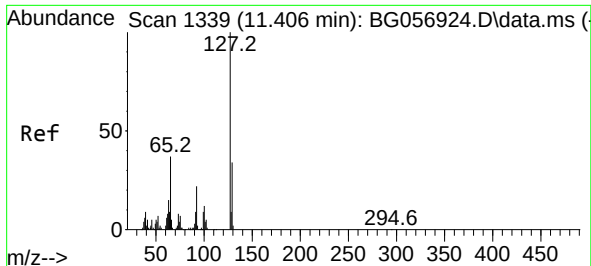


#32
Benzoic acid
Concen: 4.196 ng
RT: 10.458 min Scan# 1178
Delta R.T. -0.055 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47



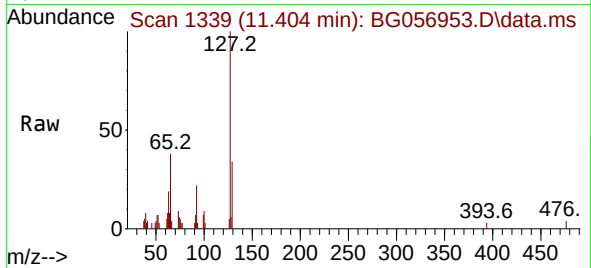
Tgt Ion:122 Resp: 3364
Ion Ratio Lower Upper
122 100
105 120.3 105.4 145.4
77 99.1 87.4 127.4





#33
4-Chloroaniline
Concen: 6.440 ng
RT: 11.404 min Scan# 1139
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

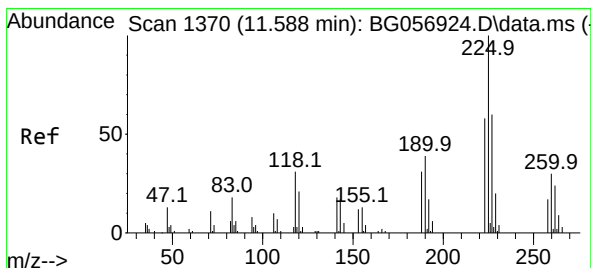
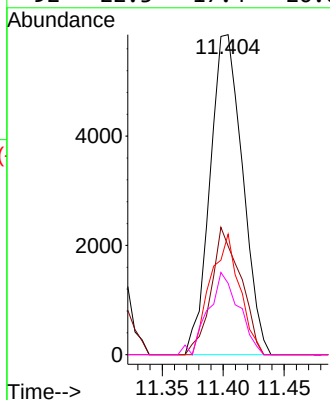
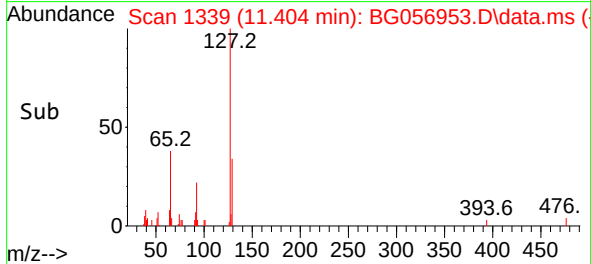
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion	Ratio	Lower	Upper
127	100		
129	34.0	27.6	41.4
65	37.6	29.8	44.8
92	22.3	17.4	26.0

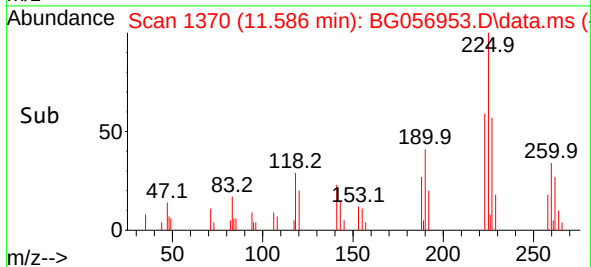
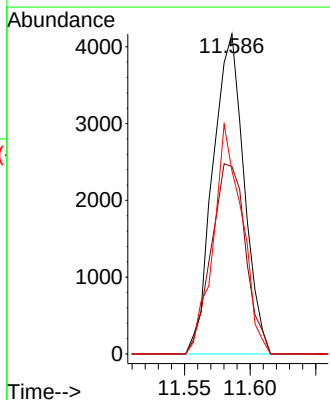
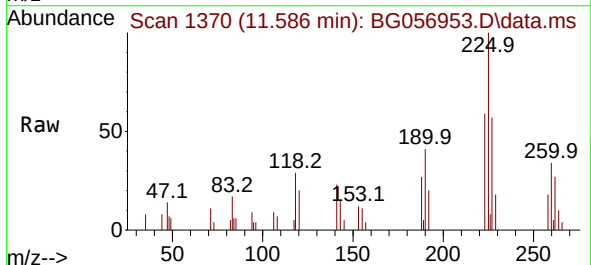
Manual Integrations
APPROVED

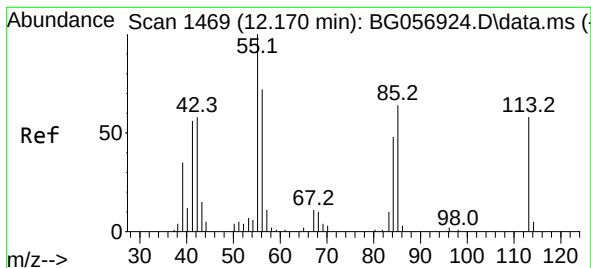
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#34
Hexachlorobutadiene
Concen: 6.866 ng
RT: 11.586 min Scan# 1370
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

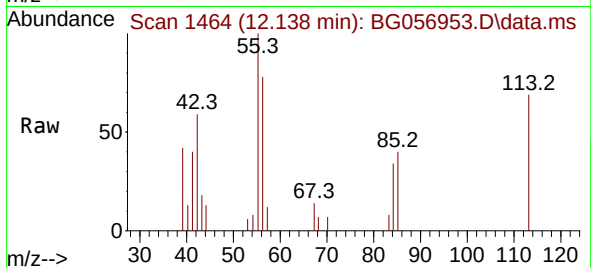
Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.5	46.4	69.6
227	57.2	48.0	72.0





#35
Caprolactam
Concen: 6.673 ng
RT: 12.138 min Scan# 1464
Delta R.T. -0.031 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

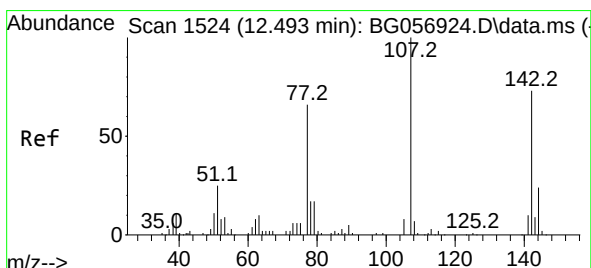
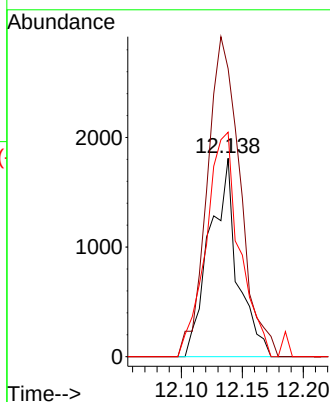
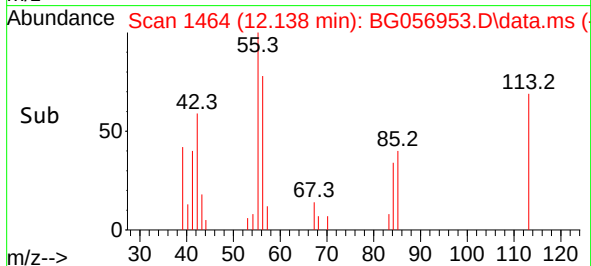
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



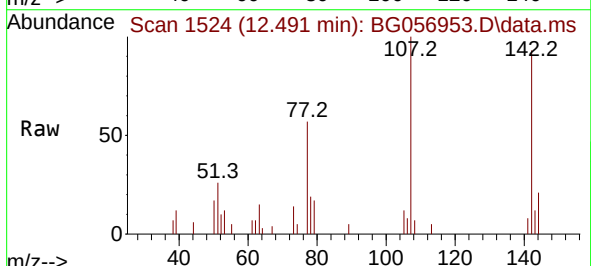
Tgt Ion:113 Resp: 2889
Ion Ratio Lower Upper
113 100
55 145.2 151.6 191.6
56 113.2 103.7 143.7

Manual Integrations
APPROVED

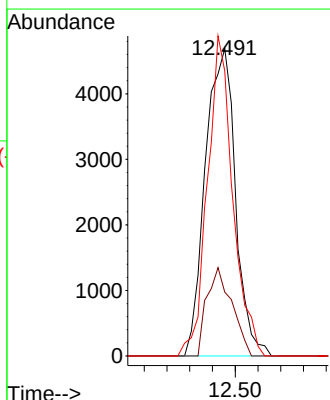
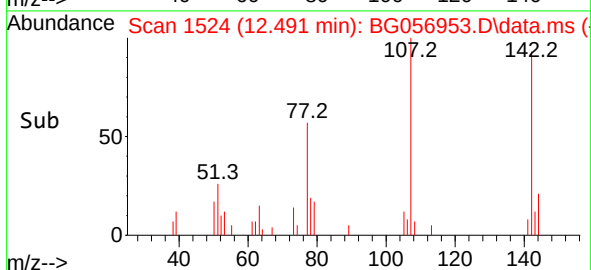
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

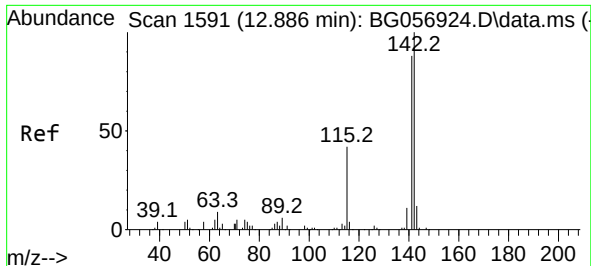


#36
4-Chloro-3-methylphenol
Concen: 6.150 ng
RT: 12.491 min Scan# 1524
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47



Tgt Ion:107 Resp: 8633
Ion Ratio Lower Upper
107 100
144 20.8 19.0 28.4
142 92.7 58.6 88.0#





#37

2-Methylnaphthalene

Concen: 6.777 ng

RT: 12.878 min Scan# 11

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

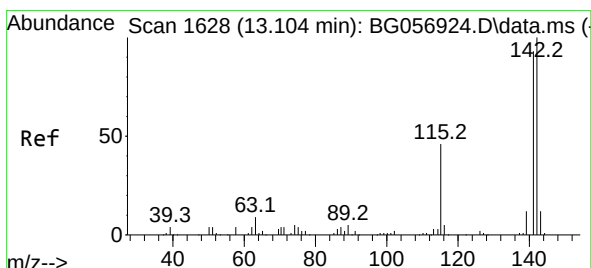
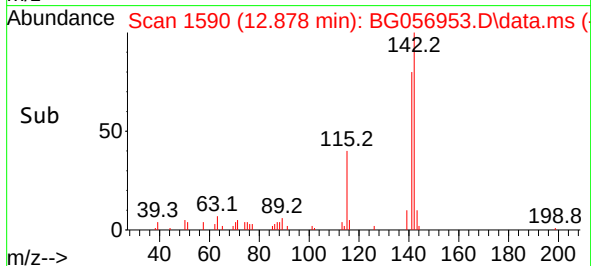
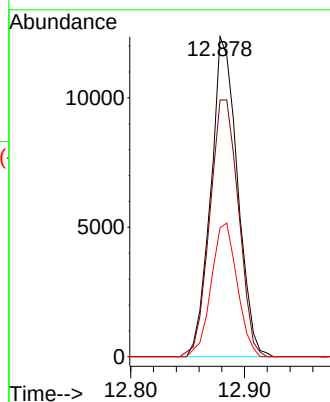
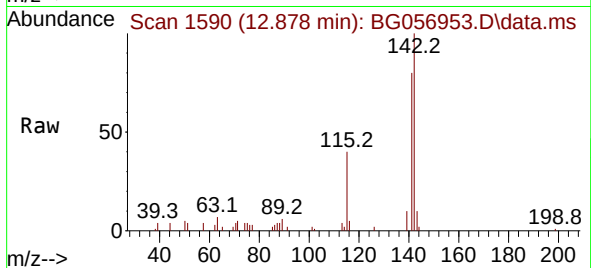
MDL-SOIL-03-QT1-2023

Tgt Ion:142 Resp: 2009
 Ion Ratio Lower Upper
 142 100
 141 80.2 70.3 105.5
 115 40.3 33.5 50.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/04/2023
 Supervised By :Jagrut Upadhyay 04/05/2023



#38

1-Methylnaphthalene

Concen: 6.875 ng m

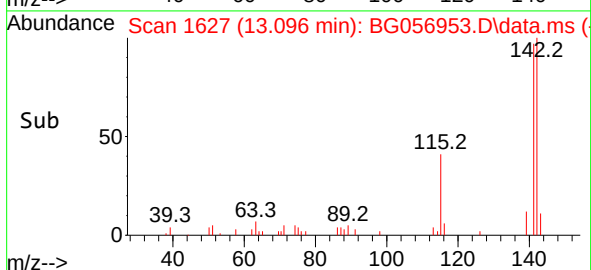
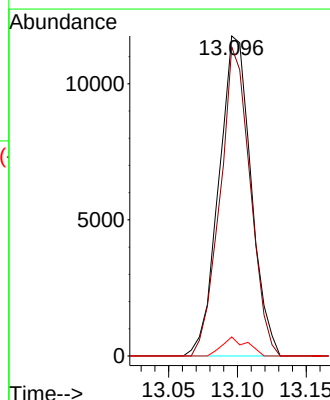
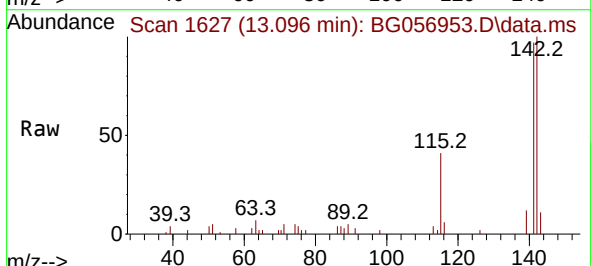
RT: 13.096 min Scan# 1627

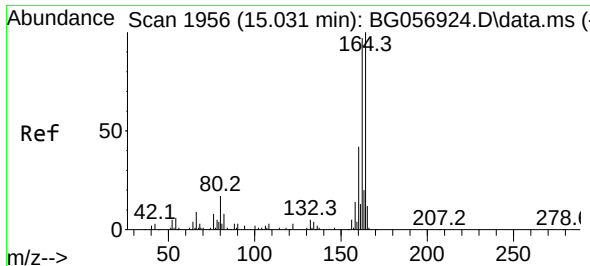
Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

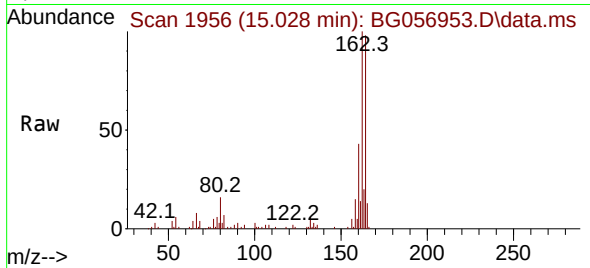
Tgt Ion:142 Resp: 19144
 Ion Ratio Lower Upper
 142 100
 141 96.6 74.0 111.0
 116 6.0 3.7 5.5#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.028 min Scan# 1956
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

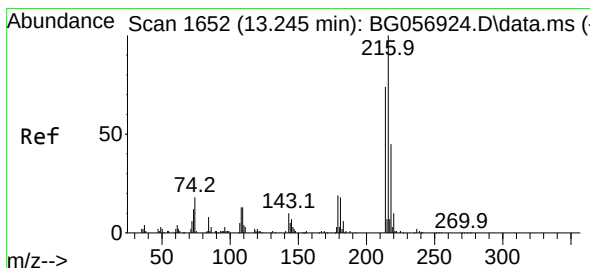
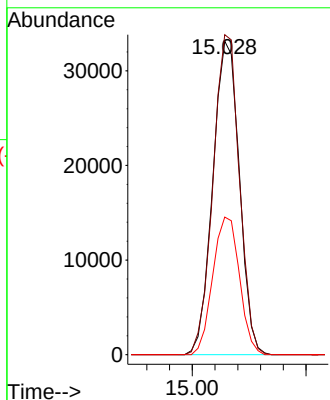
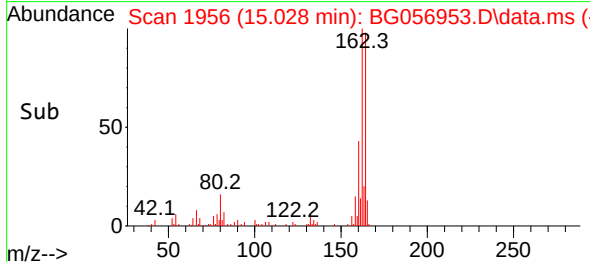
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



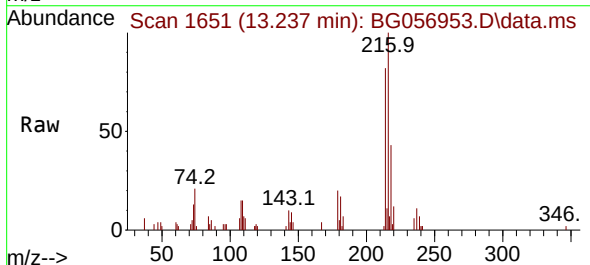
Tgt Ion:164 Resp: 5368
Ion Ratio Lower Upper
164 100
162 102.1 77.8 116.8
160 43.9 33.5 50.3

Manual Integrations
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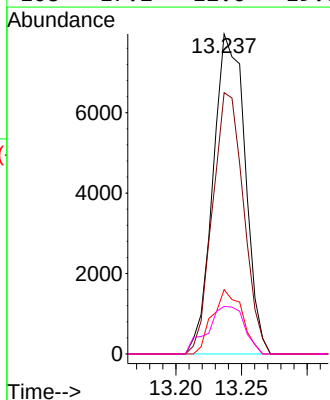
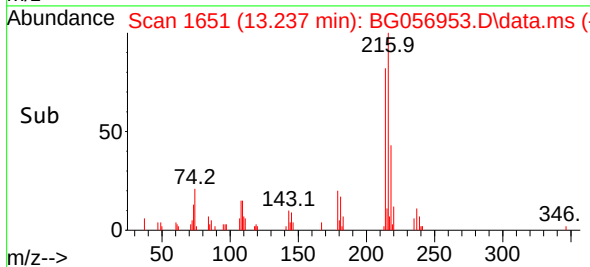
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

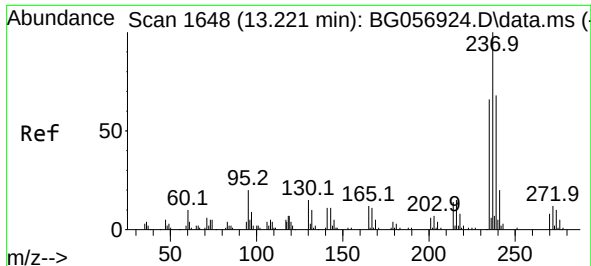


#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.224 ng
RT: 13.237 min Scan# 1651
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47



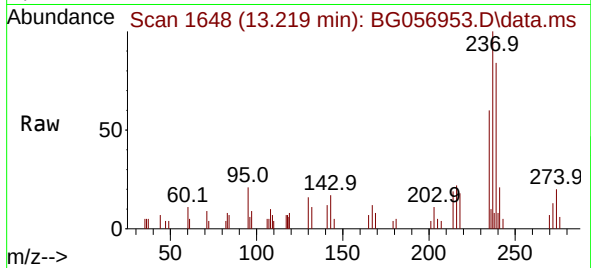
Tgt Ion:216 Resp: 13448
Ion Ratio Lower Upper
216 100
214 79.2 63.3 94.9
179 18.7 15.0 22.6
108 17.2 12.6 19.0





#41
Hexachlorocyclopentadiene
Concen: 7.066 ng
RT: 13.219 min Scan# 1648
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

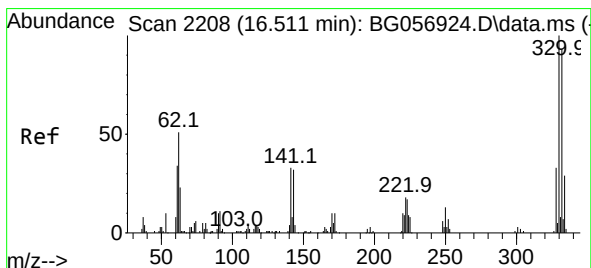
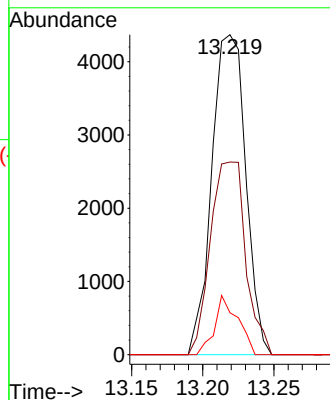
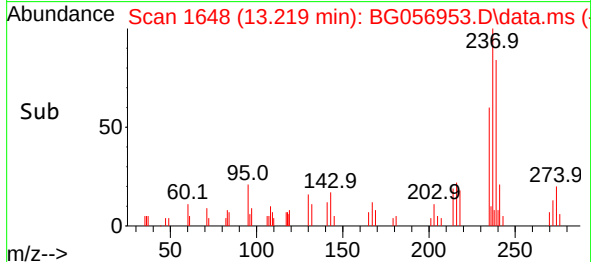
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



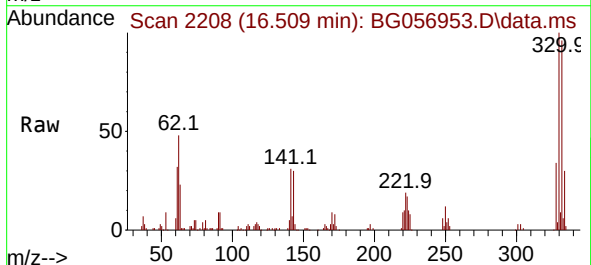
Tgt Ion: 237 Resp: 724
Ion Ratio Lower Upper
237 100
235 60.2 45.9 85.9
272 13.1 0.0 32.3

Manual Integrations
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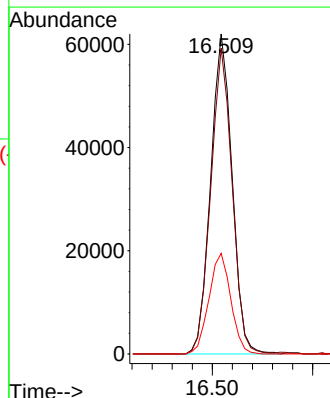
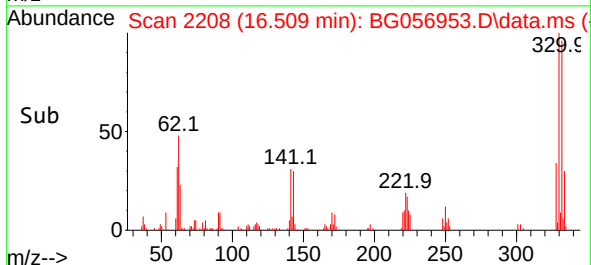
Reviewed By : Christian Giraldo 04/04/2023
Supervised By : Jagrut Upadhyay 04/05/2023

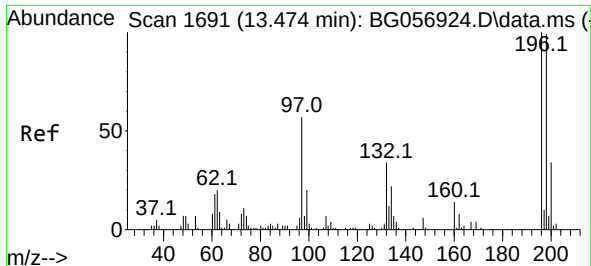


#42
2,4,6-Tribromophenol
Concen: 107.267 ng
RT: 16.509 min Scan# 2208
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47



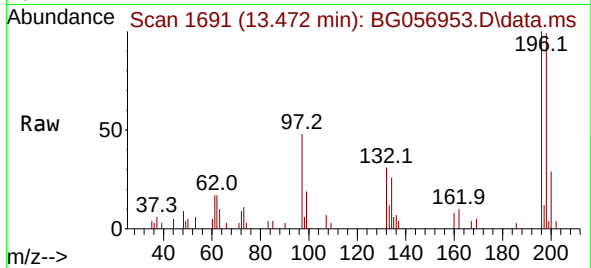
Tgt Ion: 330 Resp: 91989
Ion Ratio Lower Upper
330 100
332 95.0 76.1 114.1
141 32.1 25.8 38.6





#43
2,4,6-Trichlorophenol
Concen: 6.506 ng
RT: 13.472 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

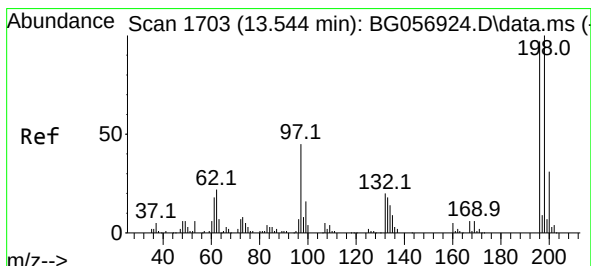
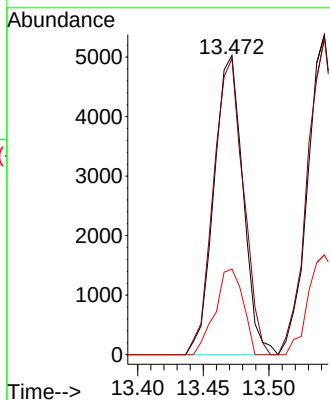
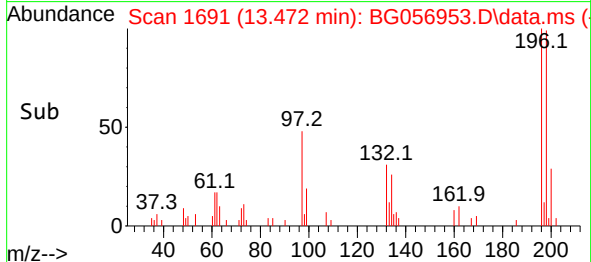
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:196 Resp: 7729
Ion Ratio Lower Upper
196 100
198 98.9 79.1 118.7
200 28.6 27.2 40.8

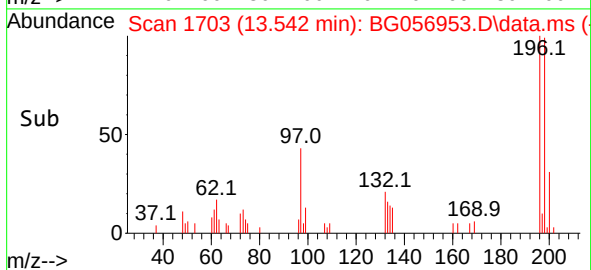
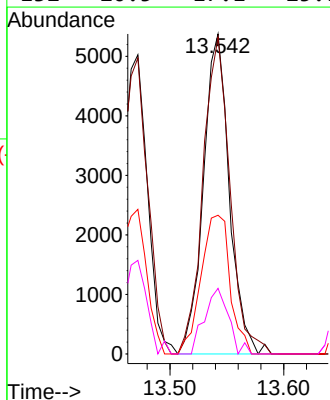
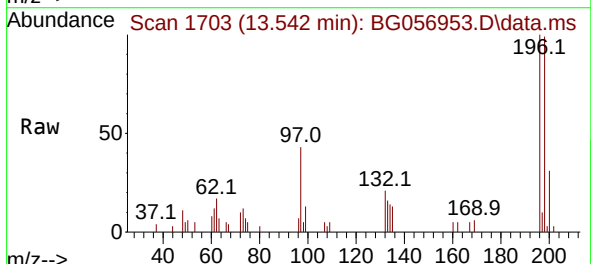
Manual Integrations
APPROVED

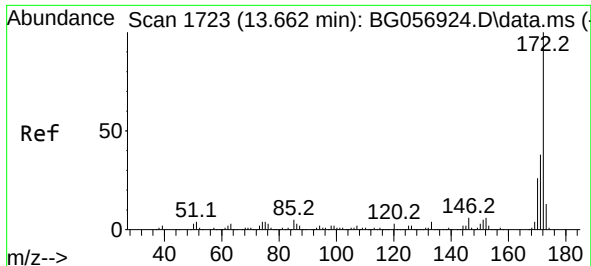
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#44
2,4,5-Trichlorophenol
Concen: 6.053 ng
RT: 13.542 min Scan# 1703
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

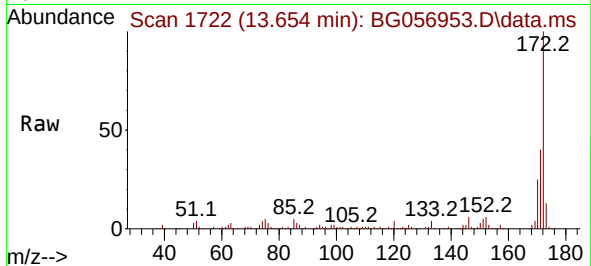
Tgt Ion:196 Resp: 8518
Ion Ratio Lower Upper
196 100
198 99.0 82.5 123.7
97 43.4 37.0 55.6
132 20.5 17.1 25.7





#45
2-Fluorobiphenyl
Concen: 76.381 ng
RT: 13.654 min Scan# 1722
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

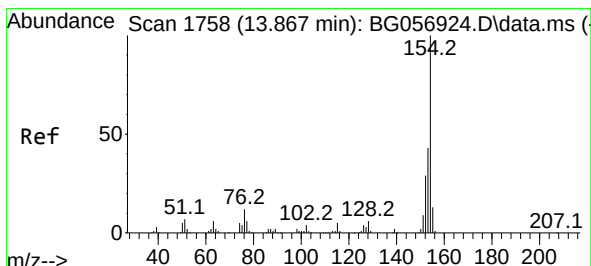
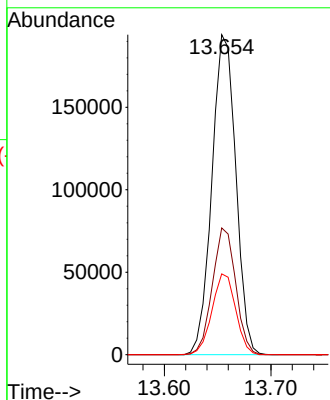
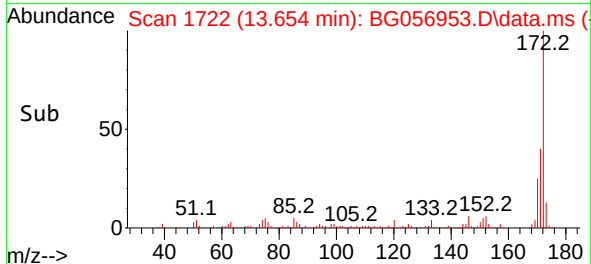
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



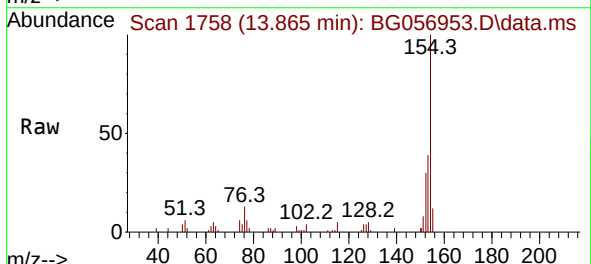
Tgt Ion:172 Resp: 302372
Ion Ratio Lower Upper
172 100
171 39.6 30.6 46.0
170 25.2 20.6 30.8

Manual Integrations
APPROVED

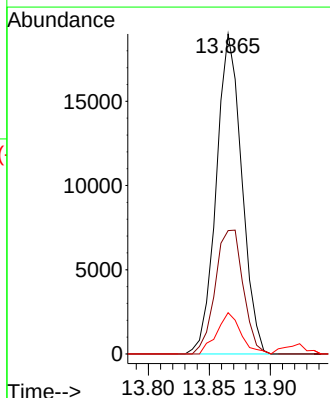
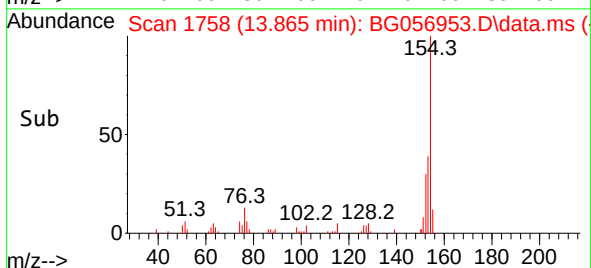
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

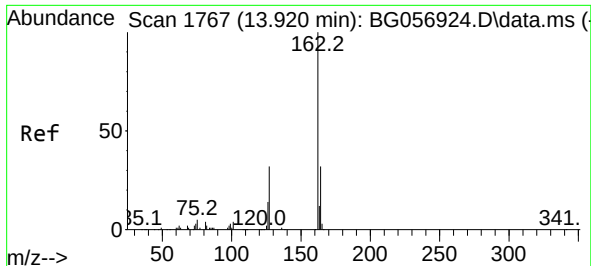


#46
1,1'-Biphenyl
Concen: 7.032 ng
RT: 13.865 min Scan# 1758
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47



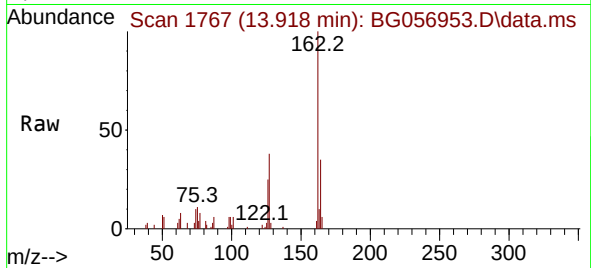
Tgt Ion:154 Resp: 27634
Ion Ratio Lower Upper
154 100
153 38.6 23.4 63.4
76 12.9 0.0 31.6





#47
2-Chloronaphthalene
Concen: 7.053 ng
RT: 13.918 min Scan# 1767
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

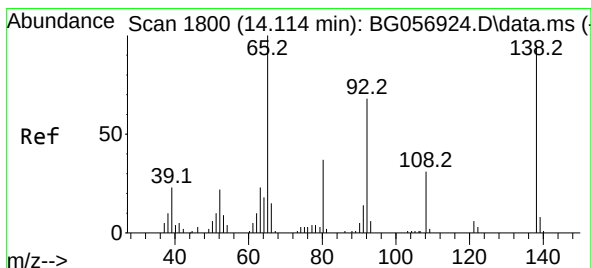
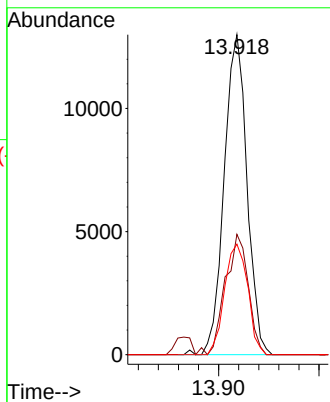
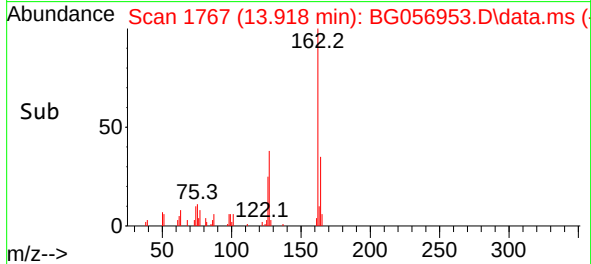
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT1-2023



Tgt Ion:162 Resp: 2049
Ion Ratio Lower Upper
162 100
127 37.6 29.5 44.3
164 34.6 25.5 38.3

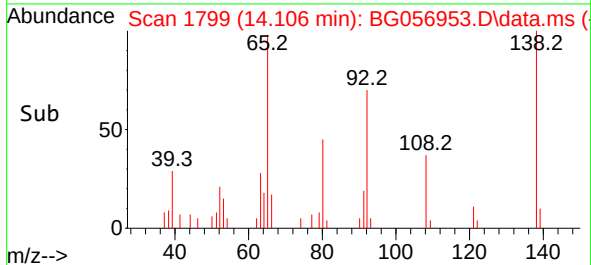
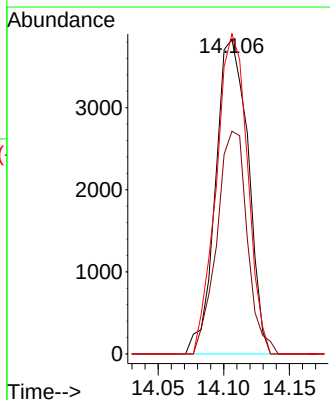
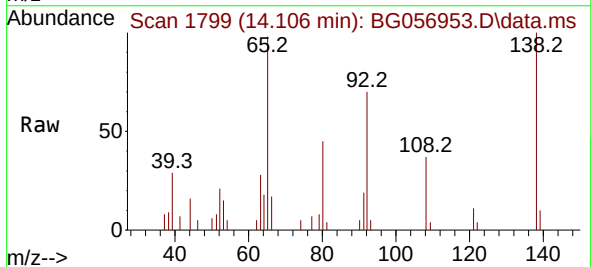
Manual Integrations
APPROVED

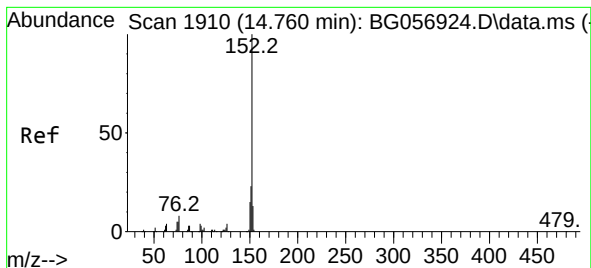
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#48
2-Nitroaniline
Concen: 6.338 ng
RT: 14.106 min Scan# 1799
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion: 65 Resp: 6587
Ion Ratio Lower Upper
65 100
92 70.8 54.3 81.5
138 101.7 76.0 114.0





#49

Acenaphthylene

Concen: 6.983 ng

RT: 14.758 min Scan# 1910

Delta R.T. -0.002 min

Lab File: BG056953.D

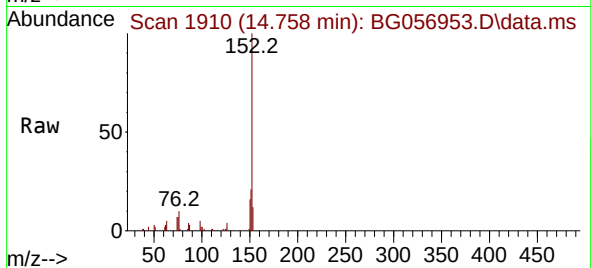
Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023



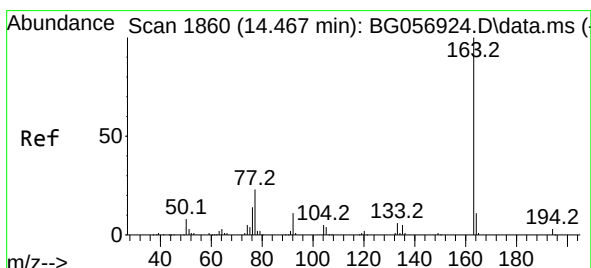
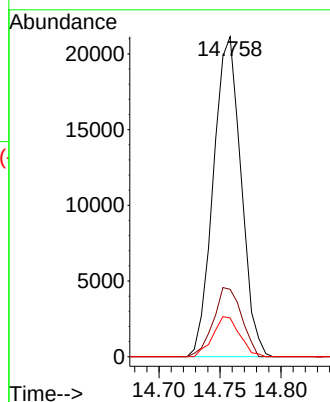
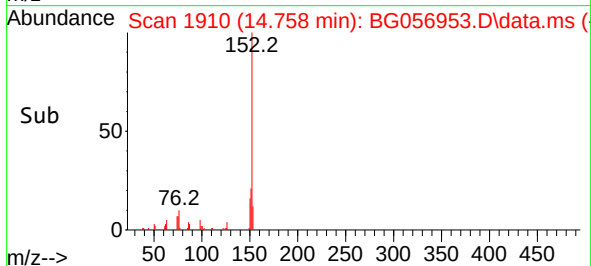
Tgt Ion:	152	Resp:	3334
Ion Ratio	Lower	Upper	
152	100		
151	21.1	18.2	27.2
153	12.1	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/04/2023

Supervised By :Jagrut Upadhyay 04/05/2023



#50

Dimethylphthalate

Concen: 6.923 ng

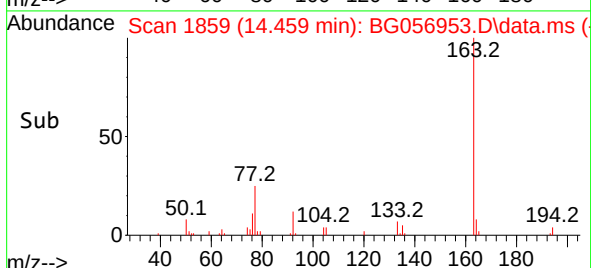
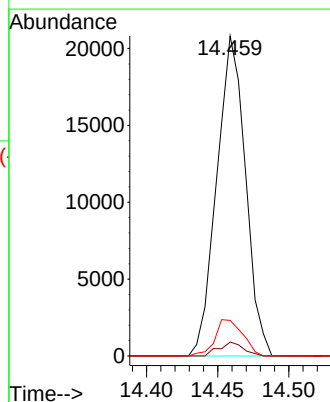
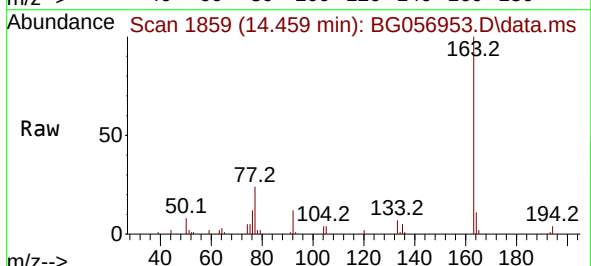
RT: 14.459 min Scan# 1859

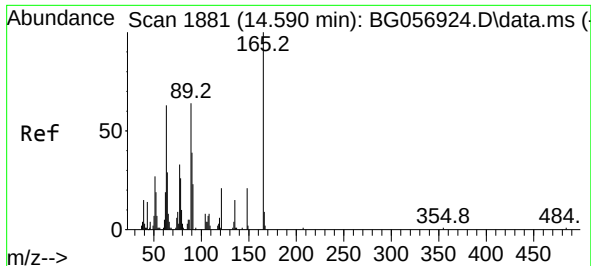
Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

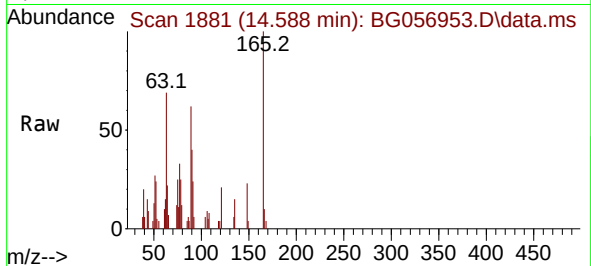
Tgt Ion:	163	Resp:	29283
Ion Ratio	Lower	Upper	
163	100		
194	4.4	2.8	4.2#
164	11.1	8.8	13.2





#51
2,6-Dinitrotoluene
Concen: 6.428 ng
RT: 14.588 min Scan# 1881
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

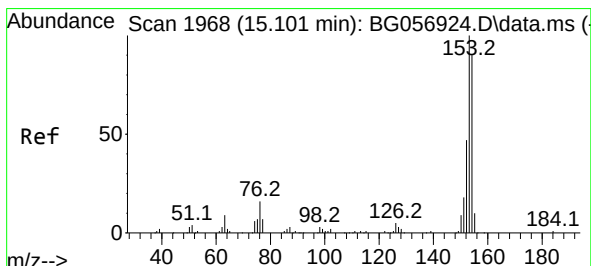
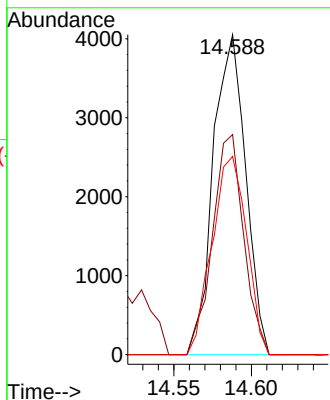
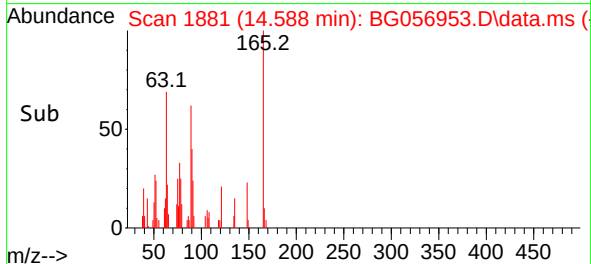
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:165 Resp: 5874
Ion Ratio Lower Upper
165 100
63 68.8 53.0 79.6
89 61.9 51.0 76.4

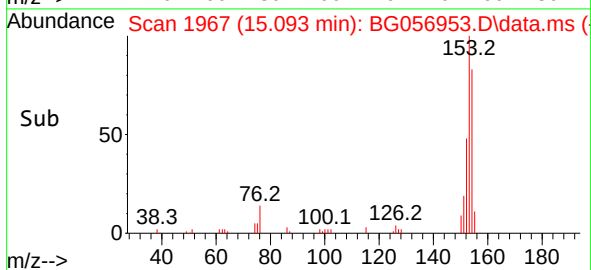
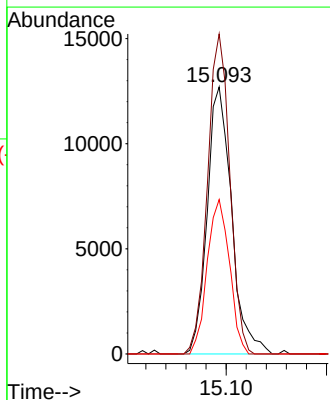
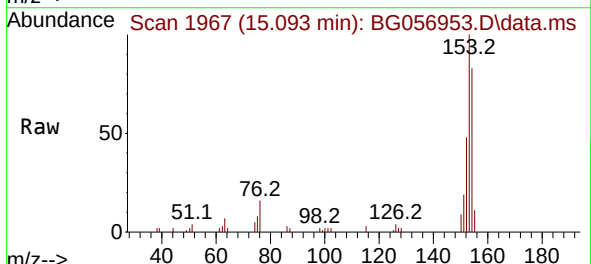
Manual Integrations
APPROVED

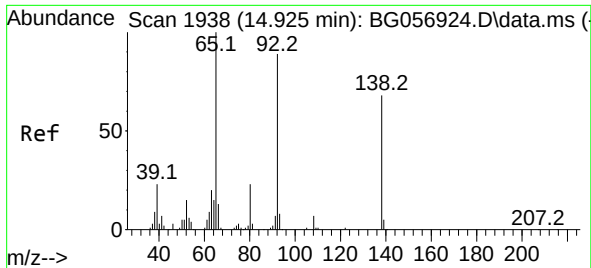
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#52
Acenaphthene
Concen: 6.521 ng
RT: 15.093 min Scan# 1967
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

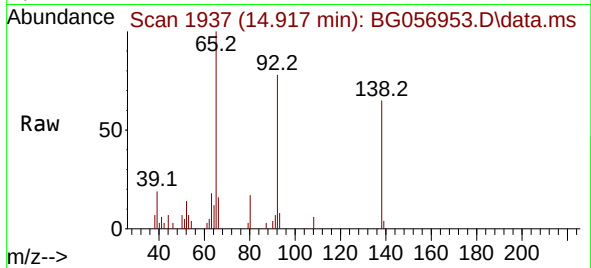
Tgt Ion:154 Resp: 21475
Ion Ratio Lower Upper
154 100
153 119.8 88.9 133.3
152 57.8 41.8 62.8





#53
3-Nitroaniline
Concen: 6.622 ng
RT: 14.917 min Scan# 1938
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

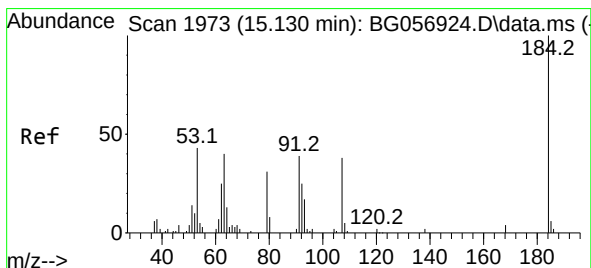
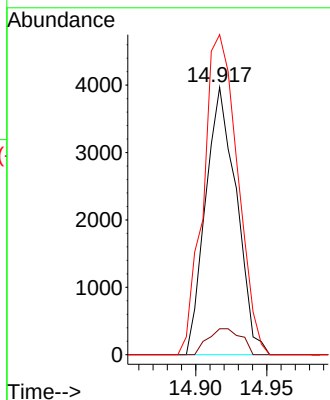
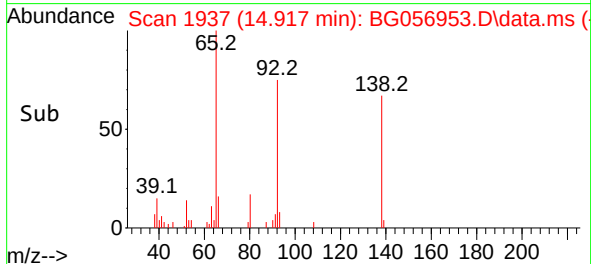
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:138 Resp: 5990
Ion Ratio Lower Upper
138 100
108 9.7 8.2 12.2
92 119.7 105.2 157.8

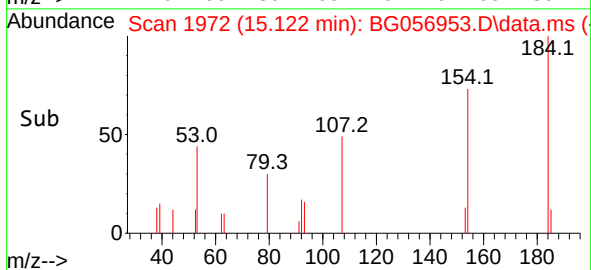
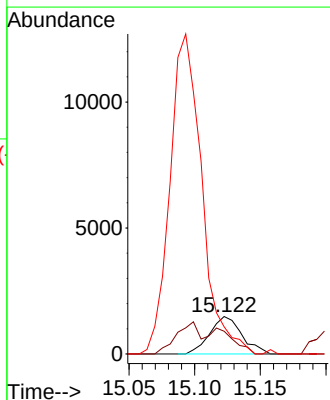
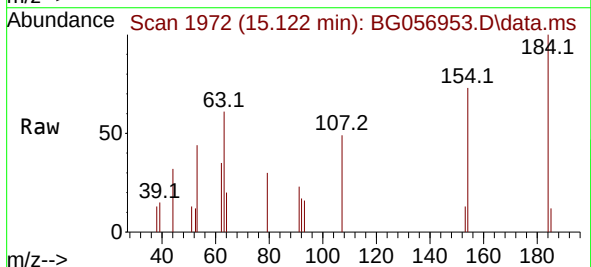
Manual Integrations
APPROVED

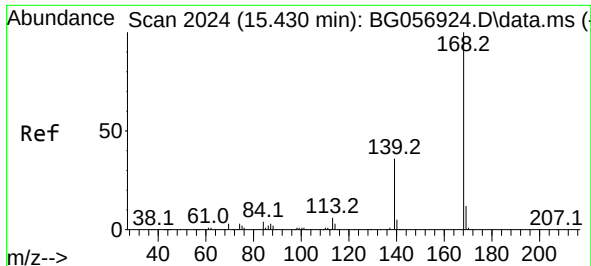
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#54
2,4-Dinitrophenol
Concen: 4.889 ng
RT: 15.122 min Scan# 1972
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

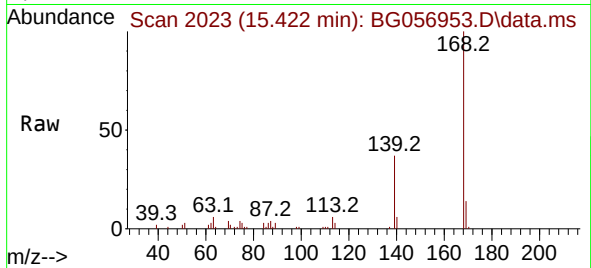
Tgt Ion:184 Resp: 2515
Ion Ratio Lower Upper
184 100
63 60.9 46.5 69.7
154 72.6 53.5 80.3





#55
Dibenzenofuran
Concen: 7.185 ng
RT: 15.422 min Scan# 2024
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

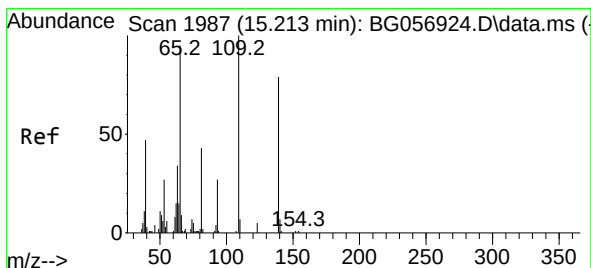
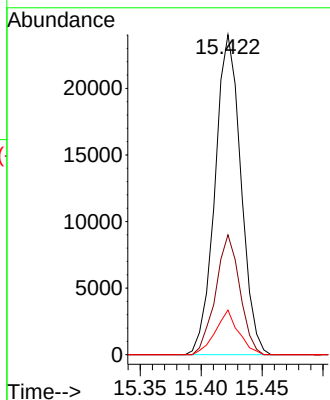
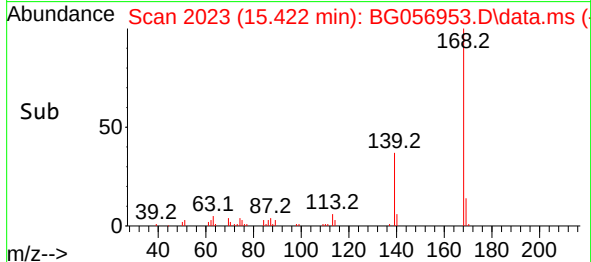
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:168 Resp: 3551
Ion Ratio Lower Upper
168 100
139 37.5 28.9 43.3
169 14.0 9.8 14.6

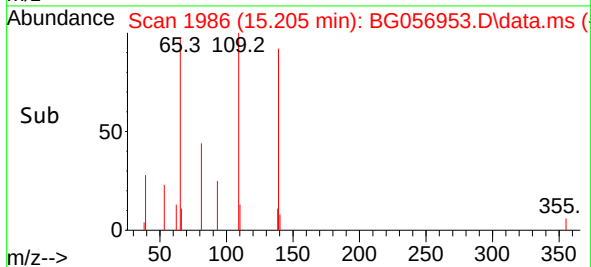
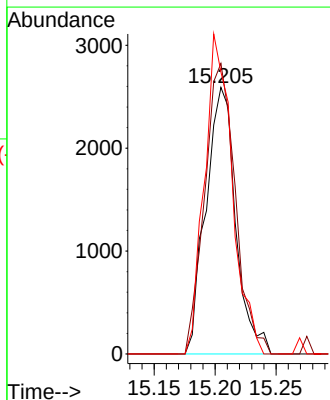
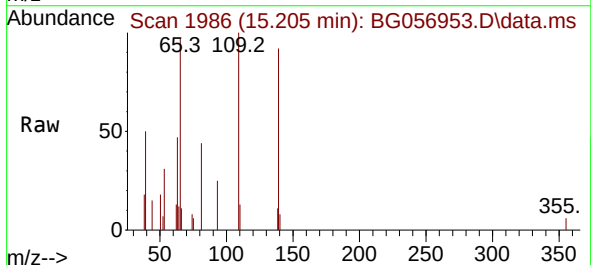
Manual Integrations
APPROVED

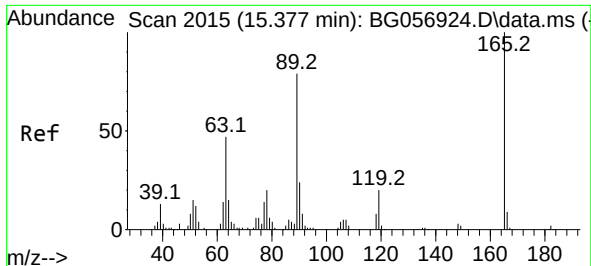
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#56
4-Nitrophenol
Concen: 6.583 ng
RT: 15.205 min Scan# 1986
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

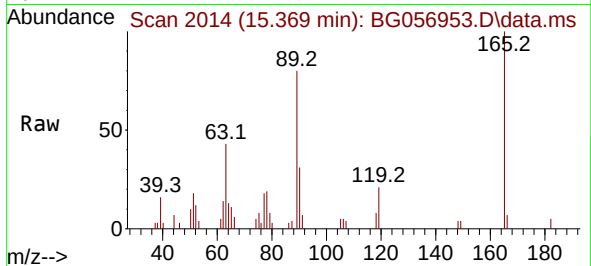
Tgt Ion:139 Resp: 4403
Ion Ratio Lower Upper
139 100
109 109.0 106.7 146.7
65 105.8 100.5 140.5





#57
2,4-Dinitrotoluene
Concen: 6.575 ng
RT: 15.369 min Scan# 2014
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

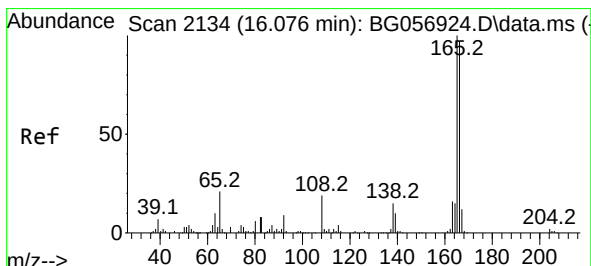
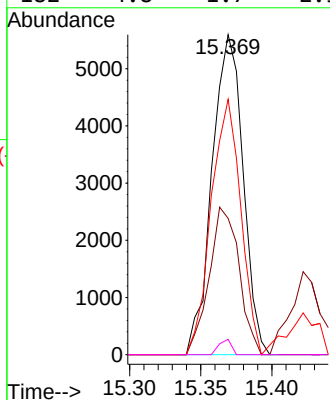
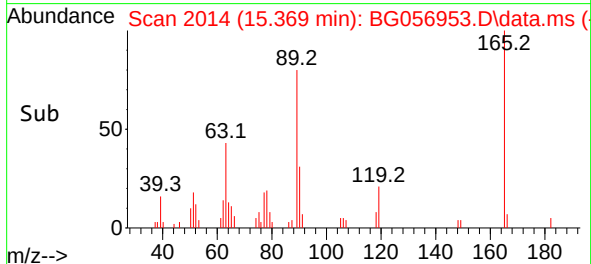
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:165 Resp: 8474
Ion Ratio Lower Upper
165 100
63 42.6 37.7 56.5
89 79.8 63.2 94.8
182 4.8 1.7 2.5#

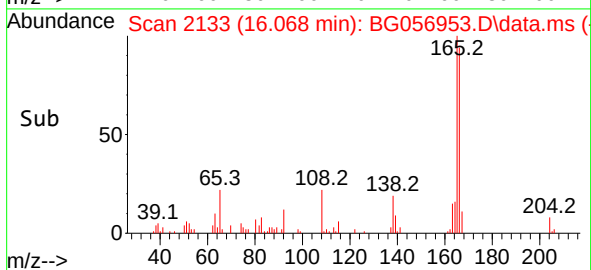
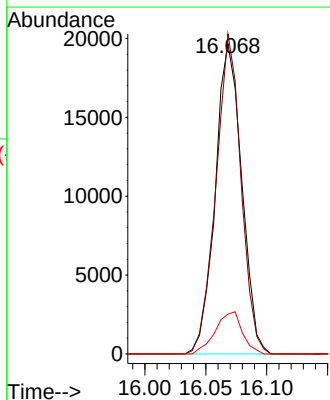
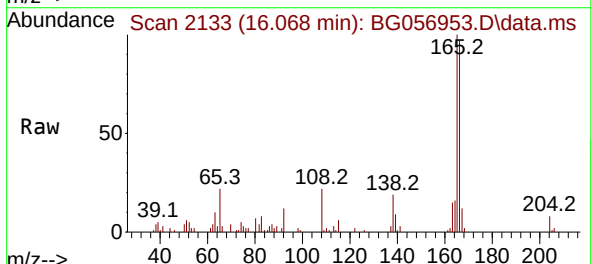
Manual Integrations
APPROVED

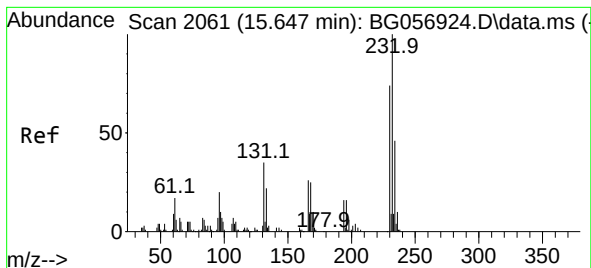
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#58
Fluorene
Concen: 7.261 ng
RT: 16.068 min Scan# 2133
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

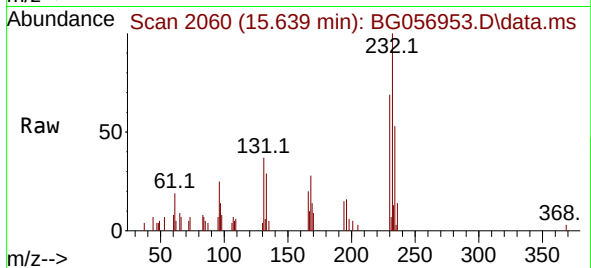
Tgt Ion:166 Resp: 29698
Ion Ratio Lower Upper
166 100
165 103.2 82.6 123.8
167 12.9 10.2 15.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.886 ng
RT: 15.639 min Scan# 2060
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

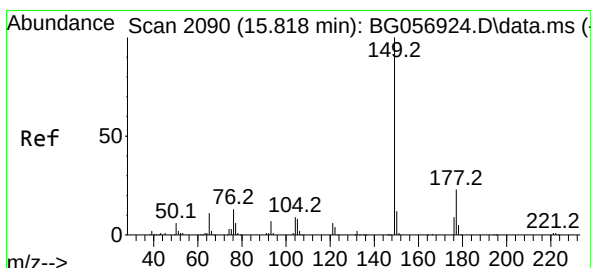
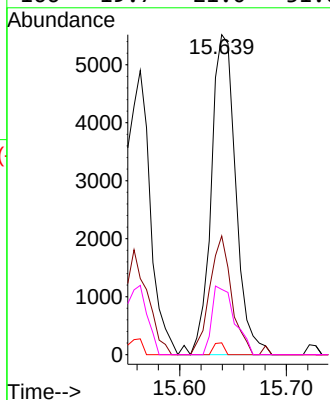
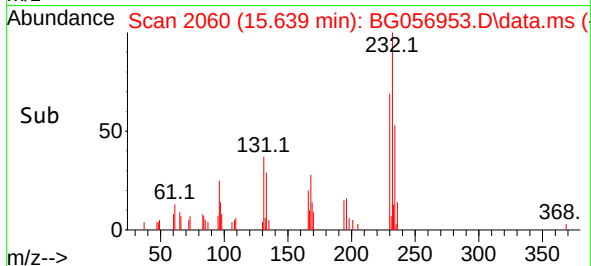
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:232 Resp: 882
Ion Ratio Lower Upper
232 100
131 33.1 29.3 43.9
130 1.6 1.7 2.5
166 19.7 21.0 31.6#

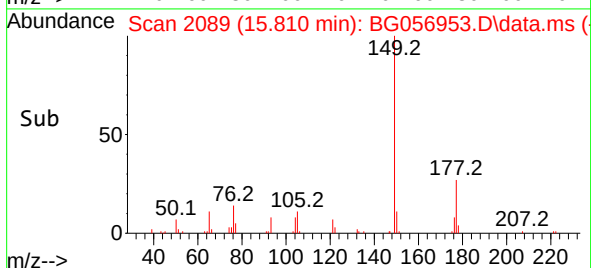
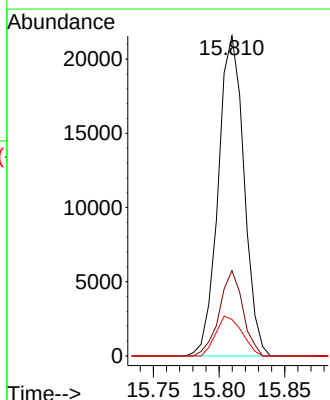
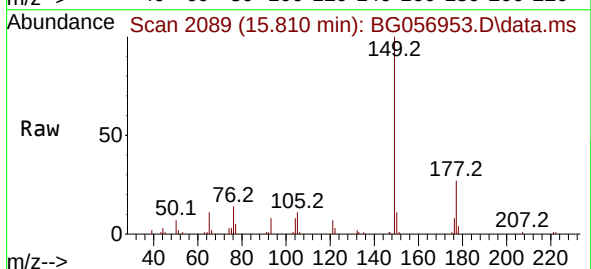
Manual Integrations
APPROVED

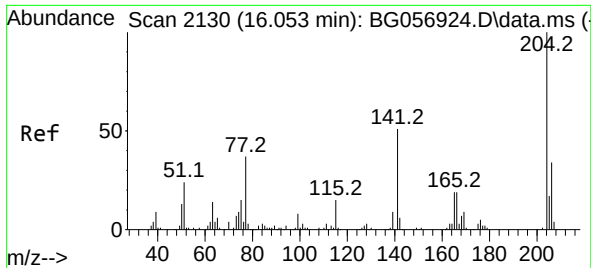
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#60
Diethylphthalate
Concen: 6.941 ng
RT: 15.810 min Scan# 2089
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

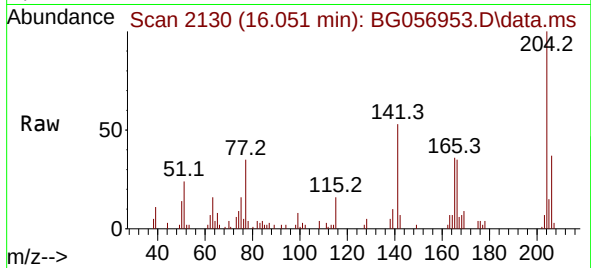
Tgt Ion:149 Resp: 29430
Ion Ratio Lower Upper
149 100
177 26.6 18.8 28.2
150 11.4 9.4 14.2





#61
4-Chlorophenyl-phenylether
Concen: 6.966 ng
RT: 16.051 min Scan# 2130
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

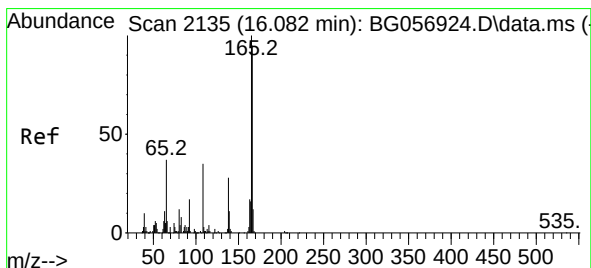
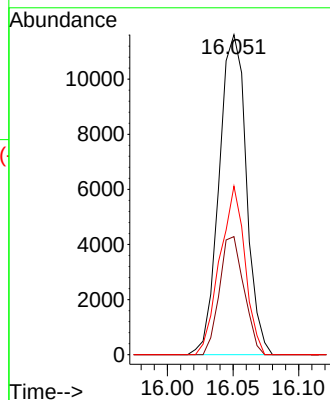
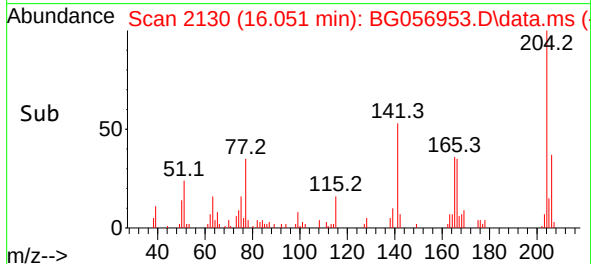
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:204 Resp: 16729
Ion Ratio Lower Upper
204 100
206 36.9 27.2 40.8
141 52.7 40.7 61.1

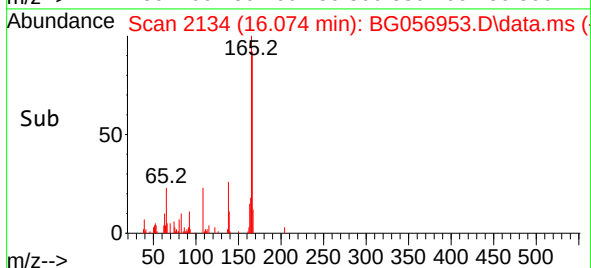
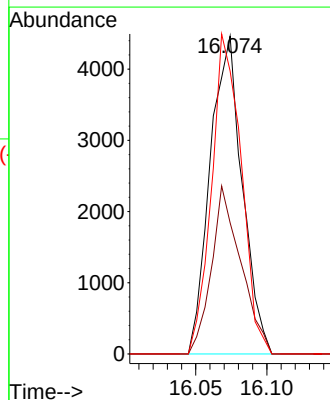
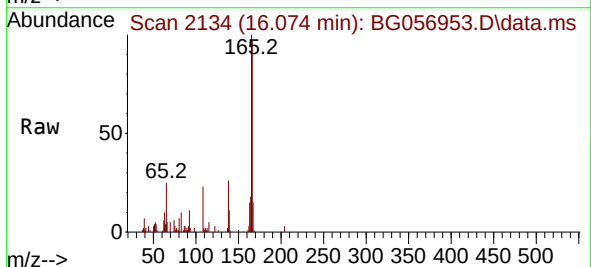
Manual Integrations
APPROVED

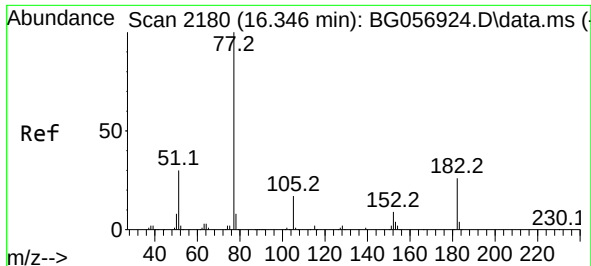
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#62
4-Nitroaniline
Concen: 7.466 ng
RT: 16.074 min Scan# 2134
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

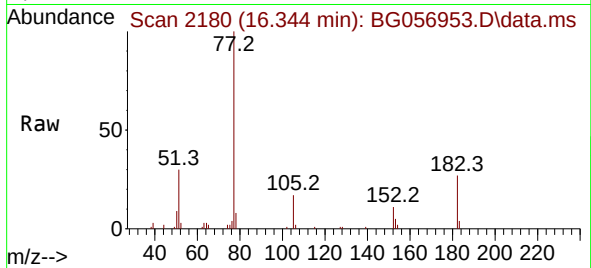
Tgt Ion:138 Resp: 6997
Ion Ratio Lower Upper
138 100
92 41.3 40.9 80.9
108 89.0 104.3 144.3#





#63
Azobenzene
Concen: 6.719 ng
RT: 16.344 min Scan# 2180
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

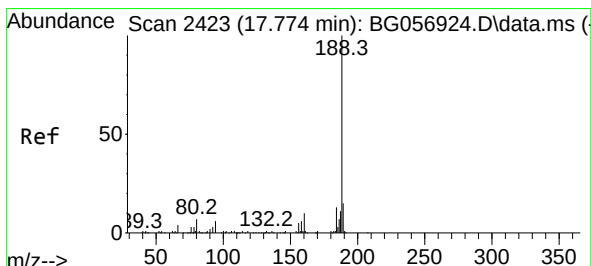
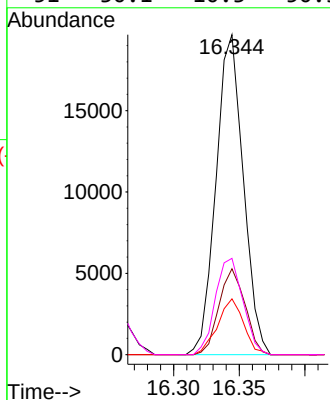
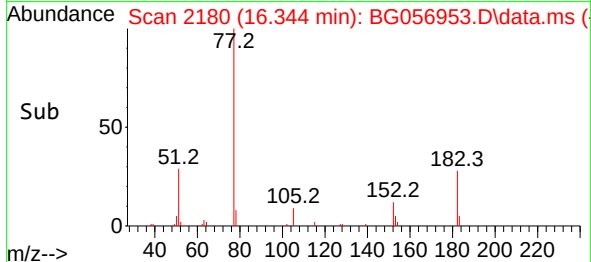
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion: 77 Resp: 2839
Ion Ratio Lower Upper
77 100
182 26.9 5.9 45.9
105 17.5 0.0 36.8
51 30.1 10.3 50.3

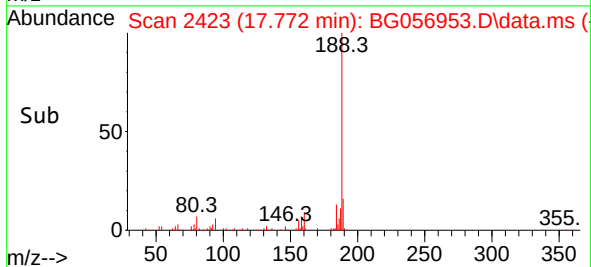
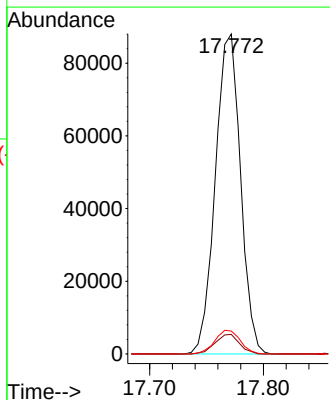
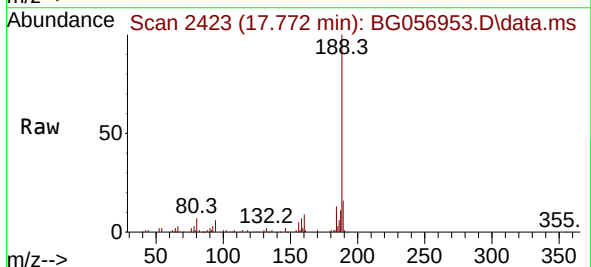
Manual Integrations
APPROVED

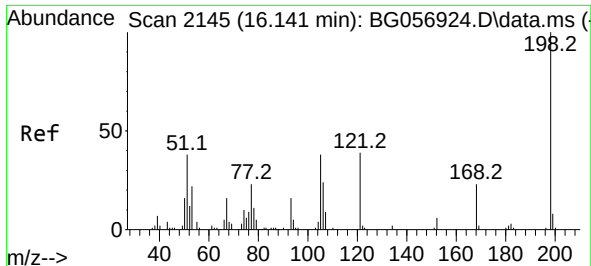
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.772 min Scan# 2423
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

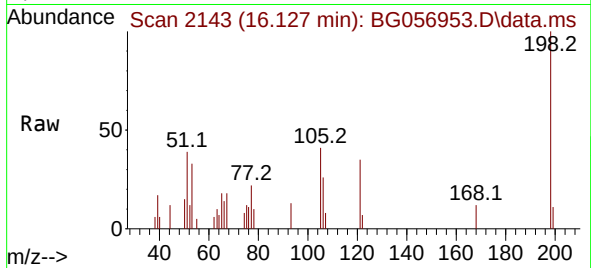
Tgt Ion:188 Resp: 135337
Ion Ratio Lower Upper
188 100
94 6.1 4.6 6.8
80 7.2 5.5 8.3





#65
4,6-Dinitro-2-methylphenol
Concen: 5.159 ng
RT: 16.127 min Scan# 2145
Delta R.T. -0.014 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

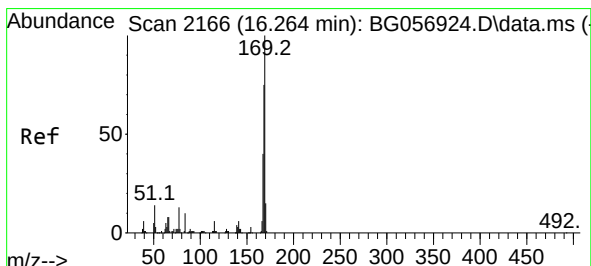
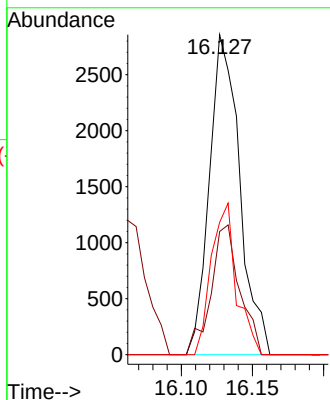
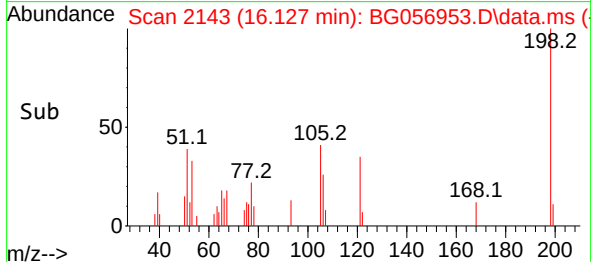
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:198 Resp: 4229
Ion Ratio Lower Upper
198 100
51 38.5 20.5 60.5
105 41.3 18.1 58.1

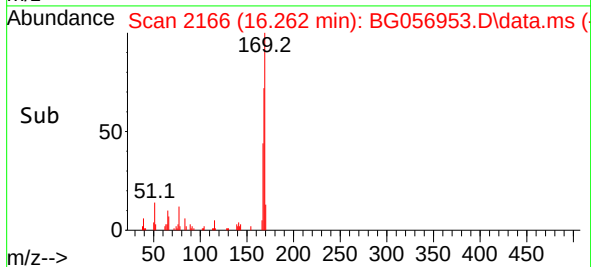
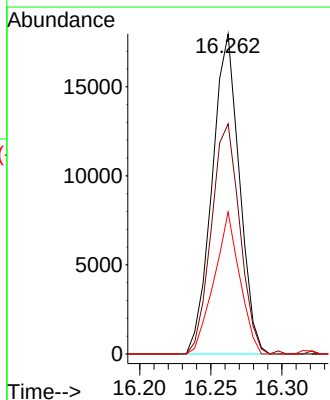
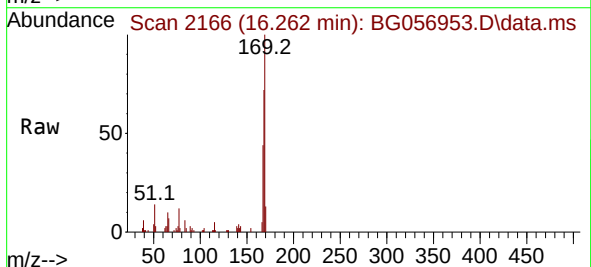
Manual Integrations
APPROVED

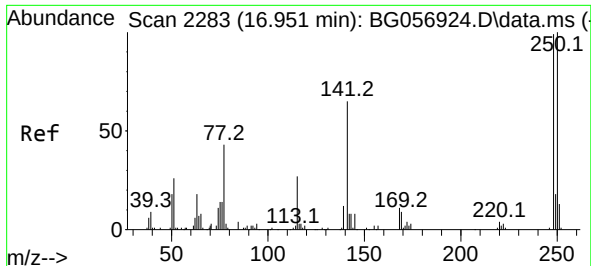
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#66
n-Nitrosodiphenylamine
Concen: 6.605 ng
RT: 16.262 min Scan# 2166
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

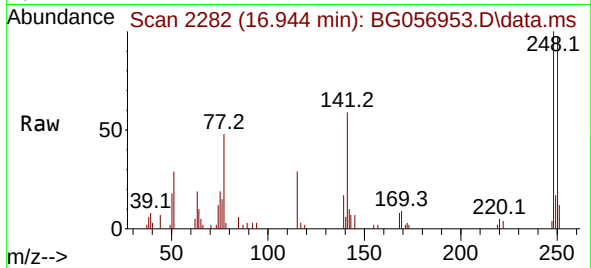
Tgt Ion:169 Resp: 23996
Ion Ratio Lower Upper
169 100
168 71.9 59.6 89.4
167 44.3 31.8 47.8





#67
4-Bromophenyl-phenylether
Concen: 6.632 ng
RT: 16.944 min Scan# 2110
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

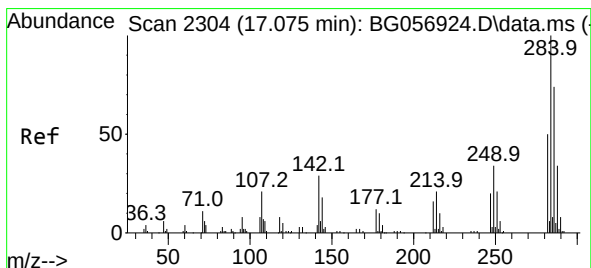
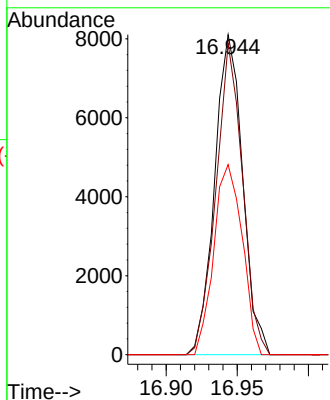
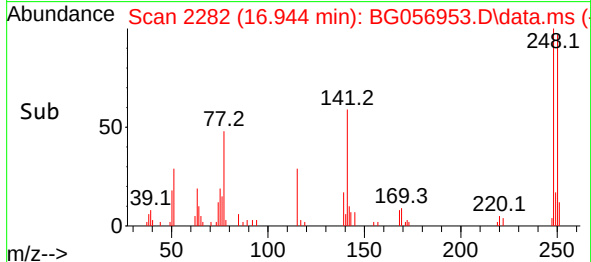
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



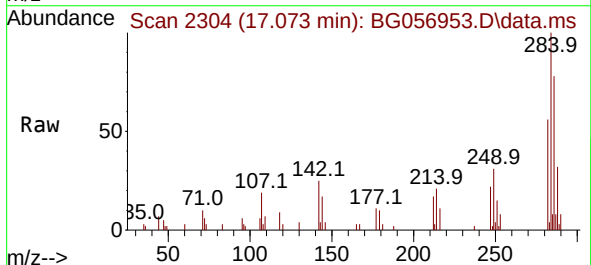
Tgt Ion:248 Resp: 11100
Ion Ratio Lower Upper
248 100
250 97.3 80.5 120.7
141 59.4 52.0 78.0

Manual Integrations
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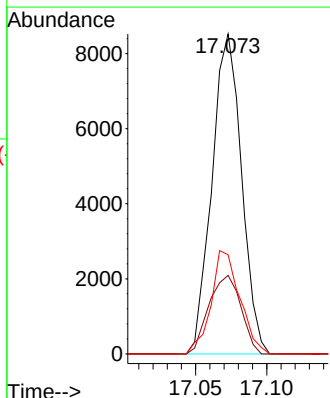
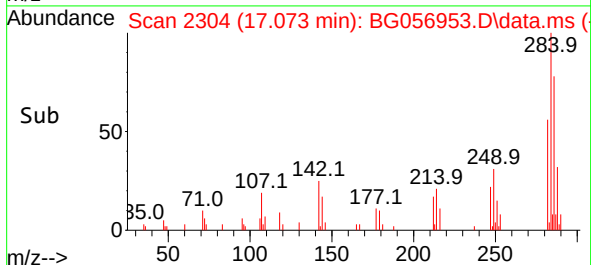
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

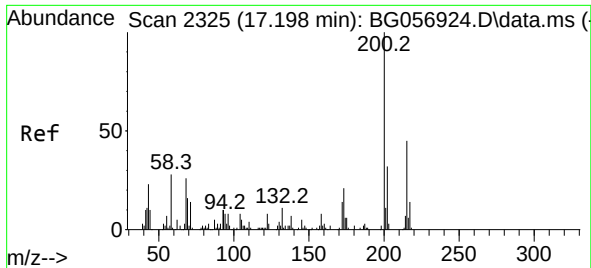


#68
Hexachlorobenzene
Concen: 7.454 ng
RT: 17.073 min Scan# 2304
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47



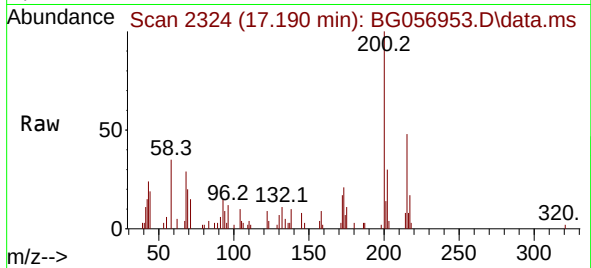
Tgt Ion:284 Resp: 12341
Ion Ratio Lower Upper
284 100
142 24.5 23.0 34.4
249 31.0 27.1 40.7





#69
Atrazine
Concen: 7.156 ng
RT: 17.190 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

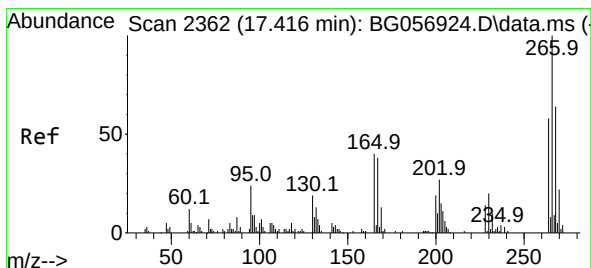
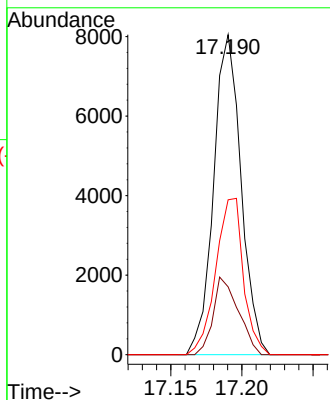
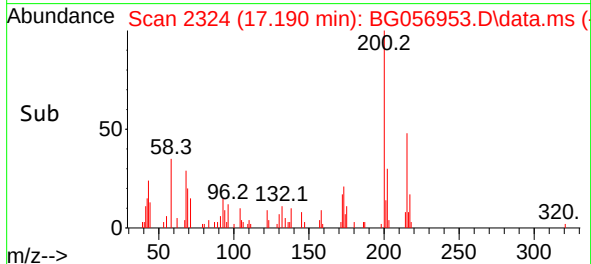
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



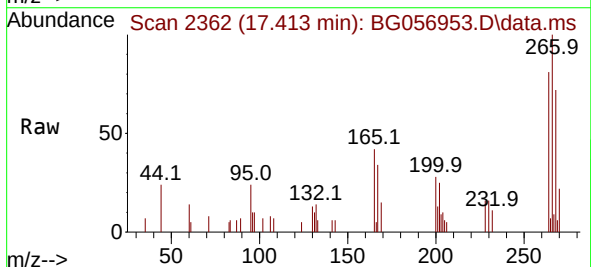
Tgt Ion:200 Resp: 10792
Ion Ratio Lower Upper
200 100
173 21.2 1.0 41.0
215 48.4 25.0 65.0

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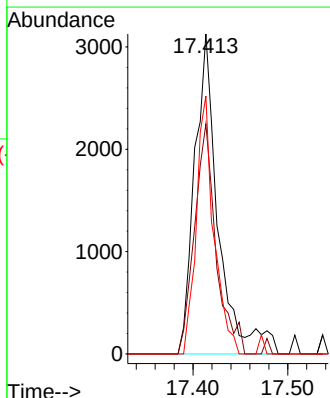
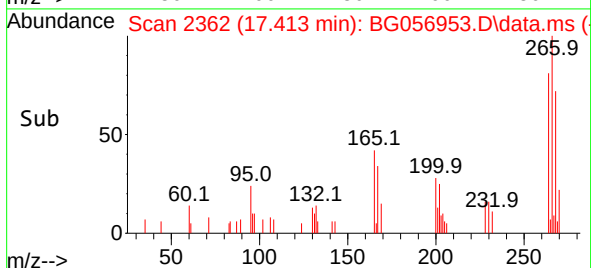
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

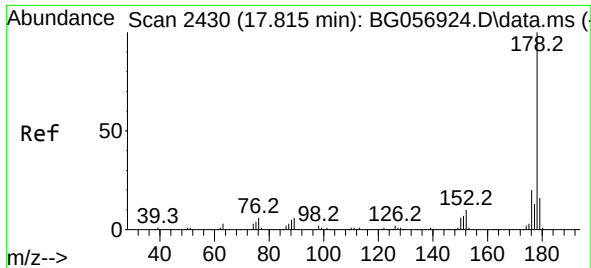


#70
Pentachlorophenol
Concen: 4.562 ng m
RT: 17.413 min Scan# 2362
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47



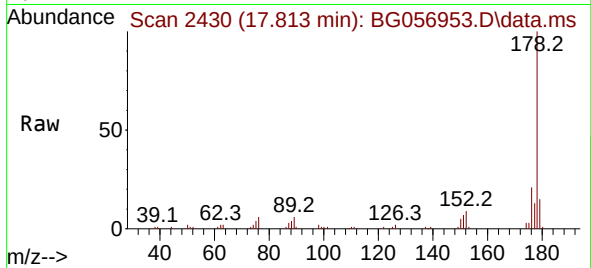
Tgt Ion:266 Resp: 5418
Ion Ratio Lower Upper
266 100
268 71.9 51.0 76.6
264 80.6 46.8 70.2#





#71
Phenanthrene
Concen: 6.793 ng
RT: 17.813 min Scan# 2430
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

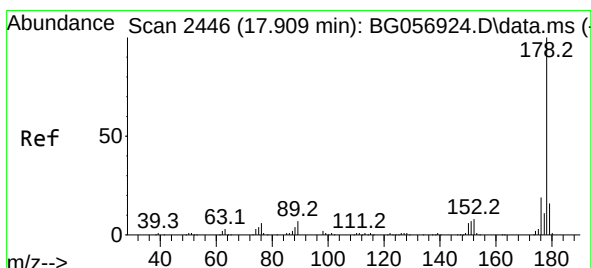
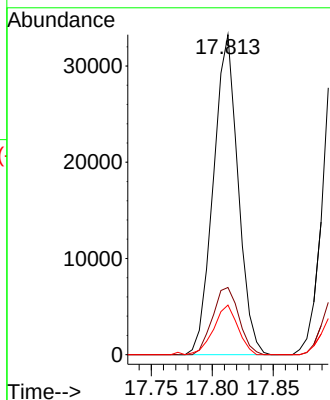
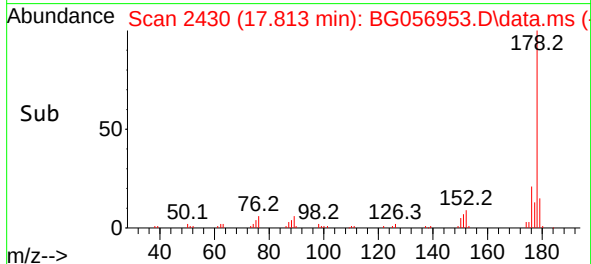
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



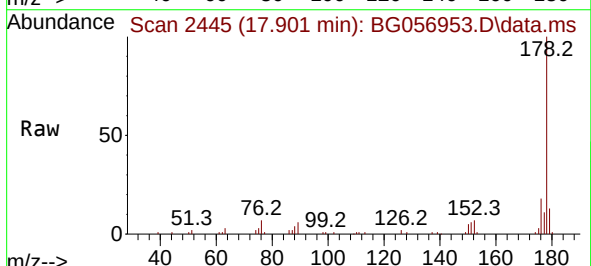
Tgt Ion:178 Resp: 46870
Ion Ratio Lower Upper
178 100
176 21.0 16.2 24.2
179 15.5 12.5 18.7

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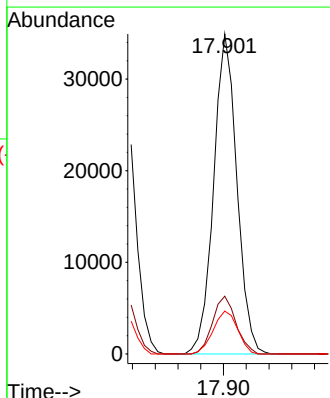
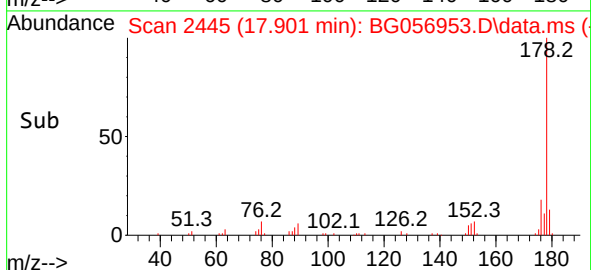
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

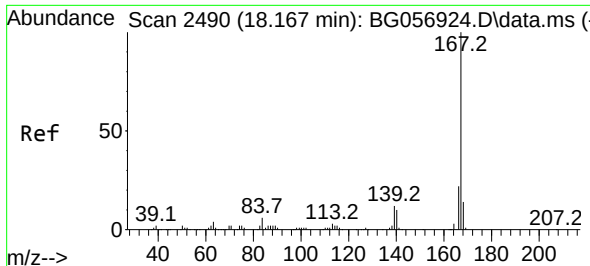


#72
Anthracene
Concen: 7.012 ng
RT: 17.901 min Scan# 2445
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47



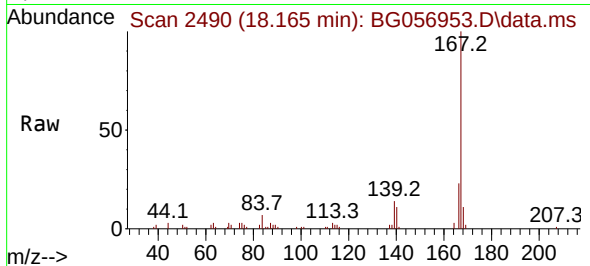
Tgt Ion:178 Resp: 49599
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.2
179 13.4 12.4 18.6





#73
 Carbazole
 Concen: 6.959 ng
 RT: 18.165 min Scan# 2490
 Delta R.T. -0.002 min
 Lab File: BG056953.D
 Acq: 3 Apr 2023 11:47

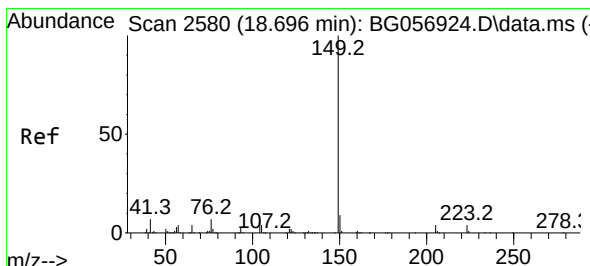
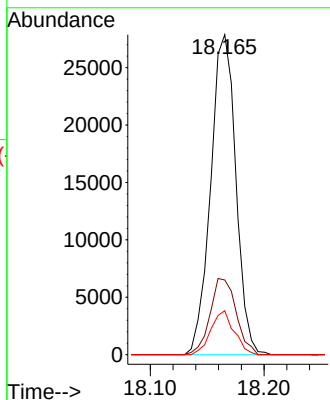
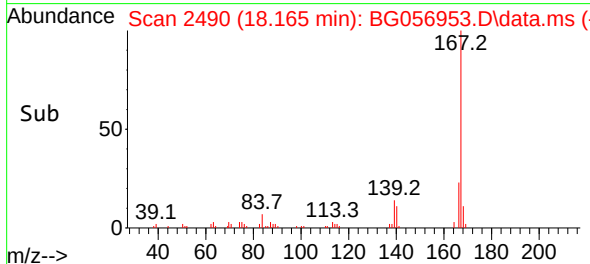
Instrument : BNA_G
 ClientSampleId : MDL-SOIL-03-QT1-2023



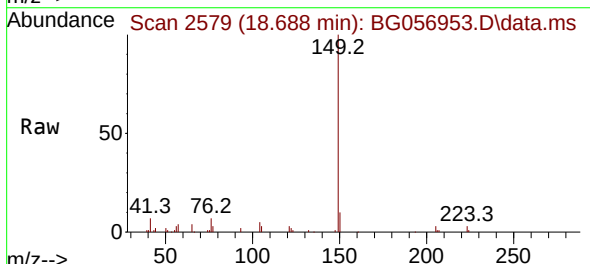
Tgt Ion:167 Resp: 42915
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.9 26.9
 139 13.7 9.5 14.3

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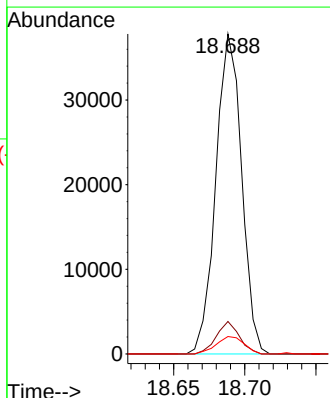
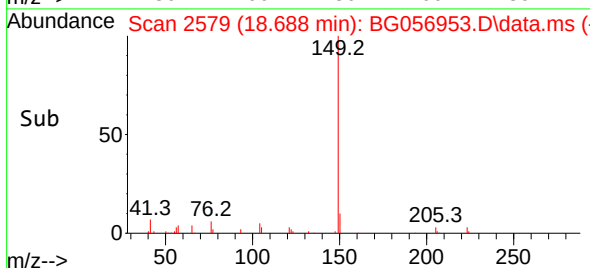
Reviewed By :Christian Giraldo 04/04/2023
 Supervised By :Jagrut Upadhyay 04/05/2023

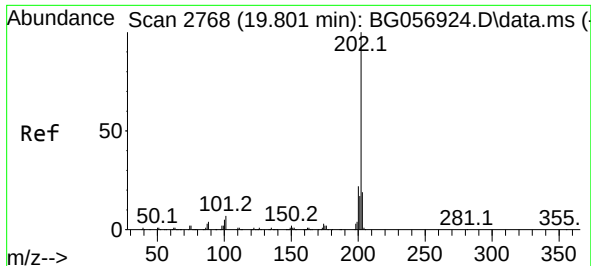


#74
 Di-n-butylphthalate
 Concen: 6.666 ng
 RT: 18.688 min Scan# 2579
 Delta R.T. -0.008 min
 Lab File: BG056953.D
 Acq: 3 Apr 2023 11:47



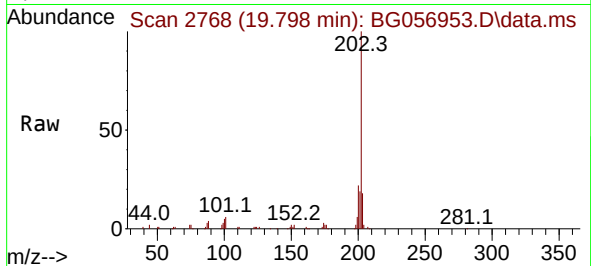
Tgt Ion:149 Resp: 47604
 Ion Ratio Lower Upper
 149 100
 150 10.2 7.4 11.0
 104 5.5 4.9 7.3





#75
Fluoranthene
Concen: 6.663 ng
RT: 19.798 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

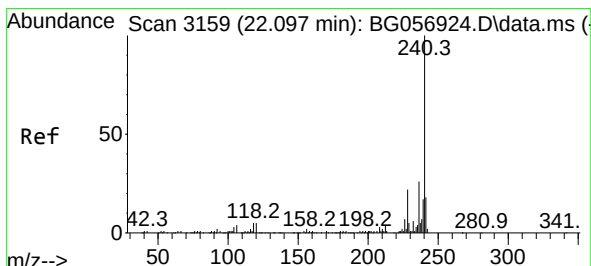
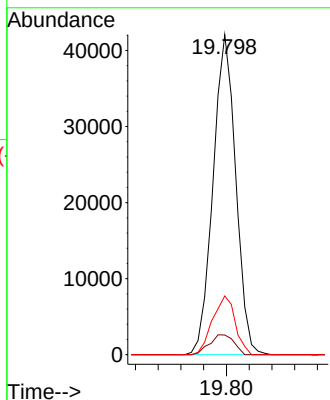
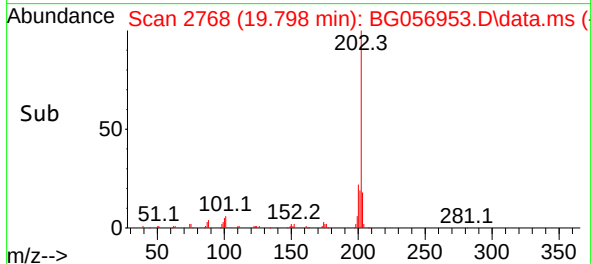
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:202 Resp: 5828
Ion Ratio Lower Upper
202 100
101 6.2 0.0 26.7
203 18.4 0.0 39.0

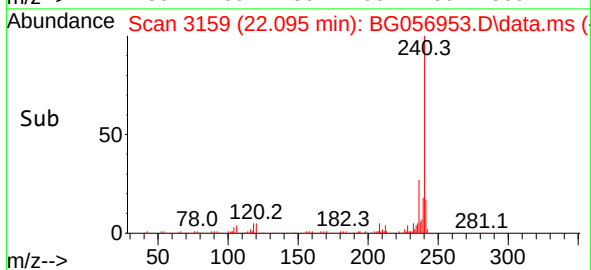
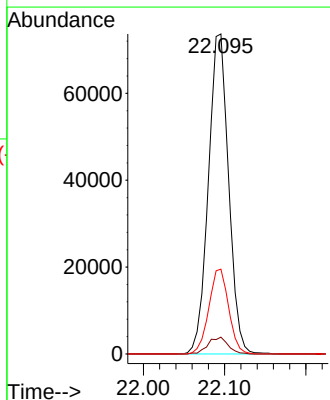
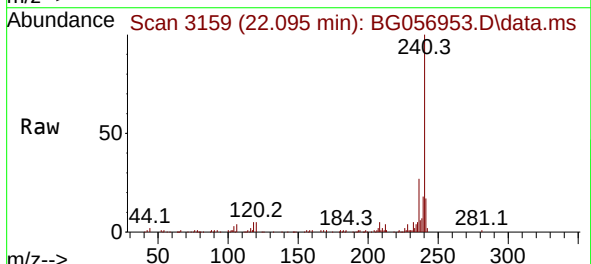
Manual Integrations
APPROVED

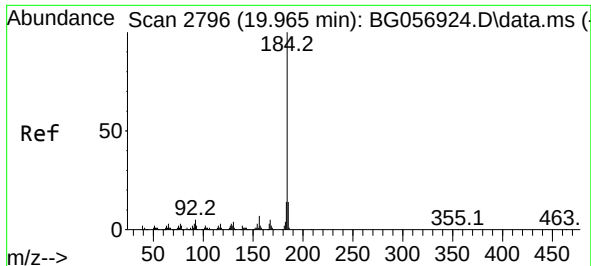
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.095 min Scan# 3159
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

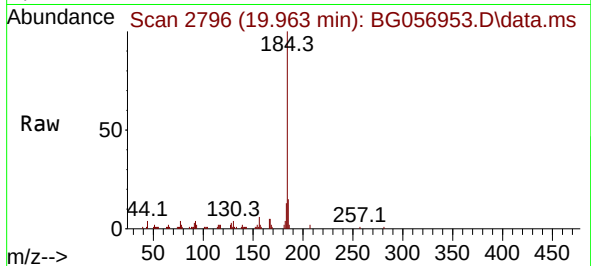
Tgt Ion:240 Resp: 127220
Ion Ratio Lower Upper
240 100
120 5.3 3.8 5.6
236 26.5 21.0 31.6





#77
Benzidine
Concen: 9.604 ng
RT: 19.963 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

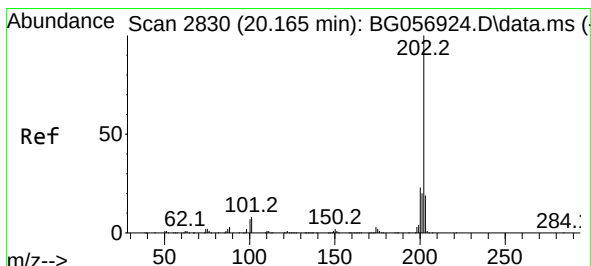
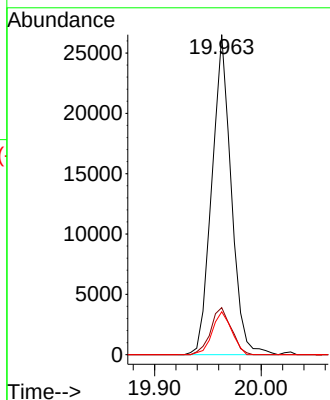
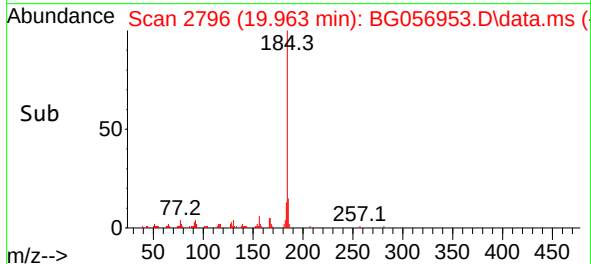
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



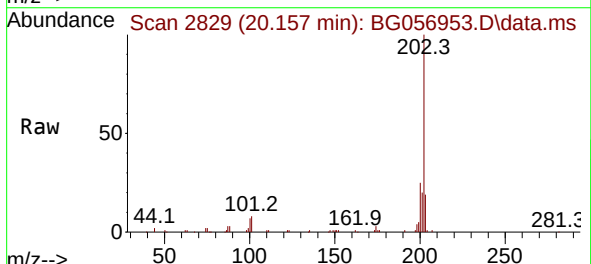
Tgt Ion:184 Resp: 3339
Ion Ratio Lower Upper
184 100
185 14.7 11.0 16.4
183 13.4 11.4 17.0

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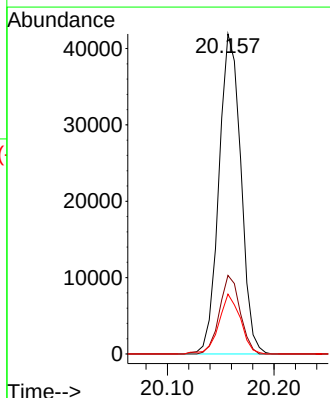
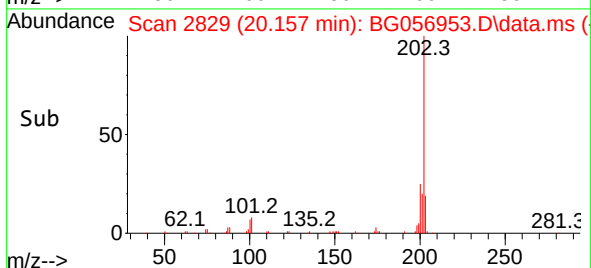
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

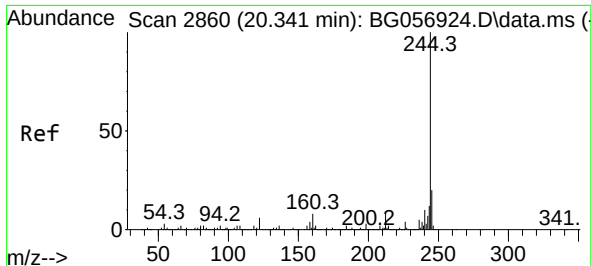


#78
Pyrene
Concen: 6.785 ng
RT: 20.157 min Scan# 2829
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47



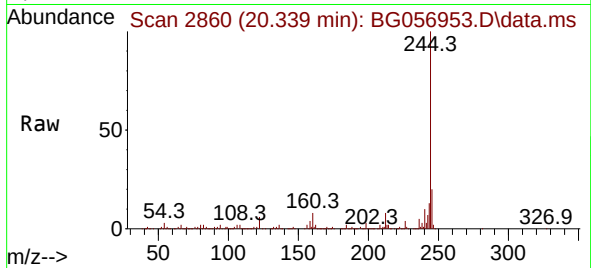
Tgt Ion:202 Resp: 59699
Ion Ratio Lower Upper
202 100
200 24.5 18.7 28.1
203 18.7 15.4 23.2





#79
 Terphenyl-d14
 Concen: 77.715 ng
 RT: 20.339 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG056953.D
 Acq: 3 Apr 2023 11:47

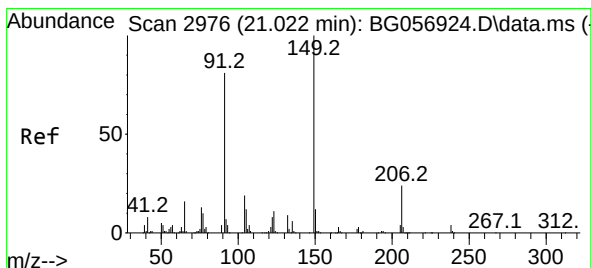
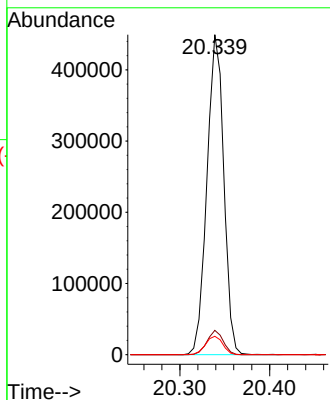
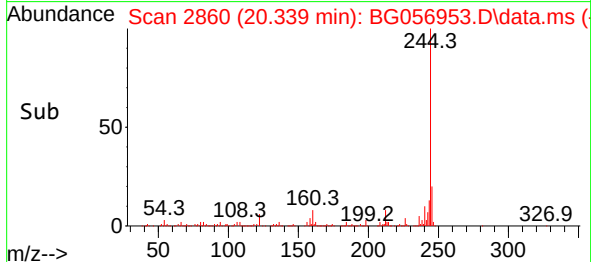
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2023



Tgt Ion:244 Resp: 58427
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 5.7 5.0 7.4

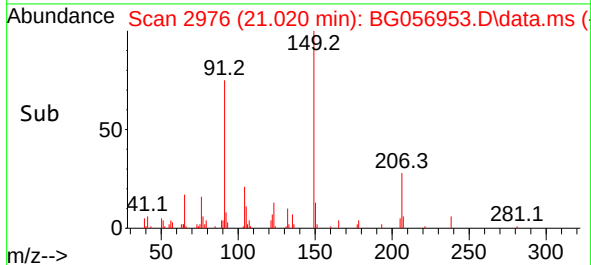
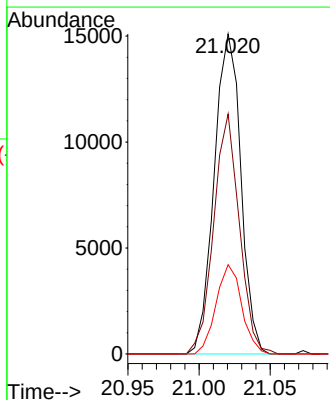
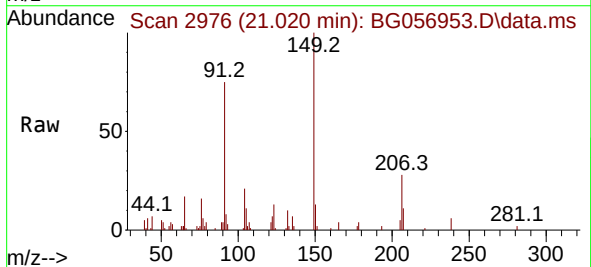
Manual Integrations
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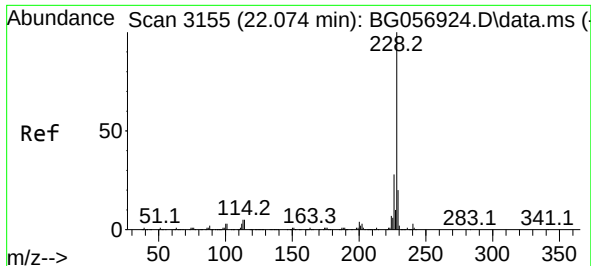
Reviewed By :Christian Giraldo 04/04/2023
 Supervised By :Jagrut Upadhyay 04/05/2023



#80
 Butylbenzylphthalate
 Concen: 6.505 ng
 RT: 21.020 min Scan# 2976
 Delta R.T. -0.002 min
 Lab File: BG056953.D
 Acq: 3 Apr 2023 11:47

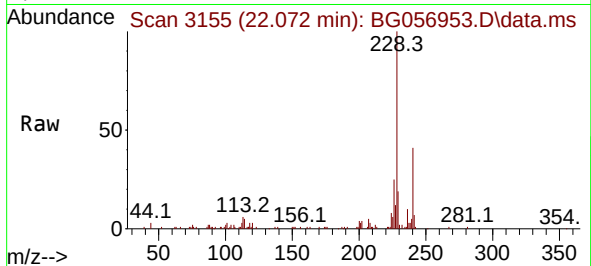
Tgt Ion:149 Resp: 19696
 Ion Ratio Lower Upper
 149 100
 91 75.0 64.4 96.6
 206 27.9 18.9 28.3





#81
Benzo(a)anthracene
Concen: 6.901 ng
RT: 22.072 min Scan# 3155
Delta R.T. -0.002 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

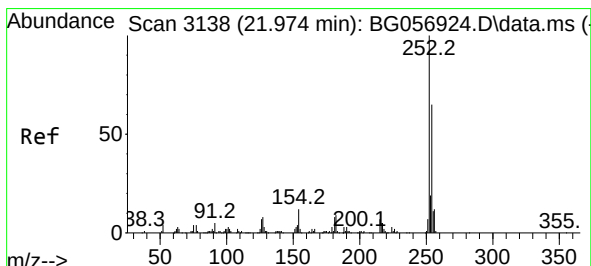
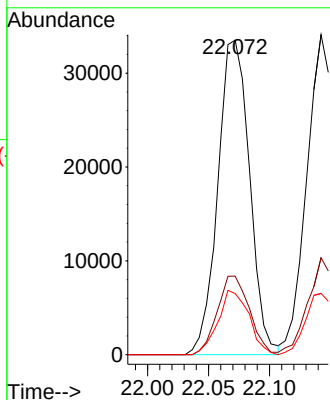
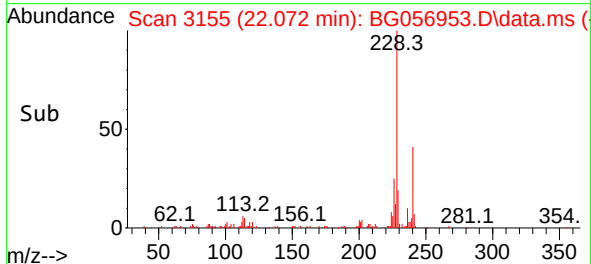
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:228 Resp: 6075
Ion Ratio Lower Upper
228 100
226 25.0 22.1 33.1
229 19.4 16.1 24.1

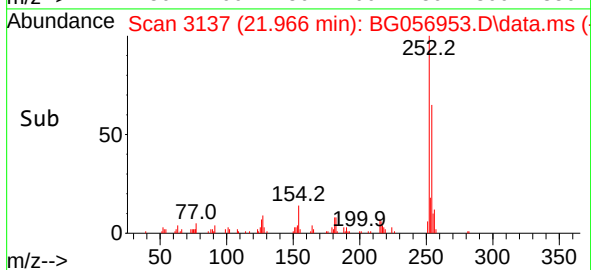
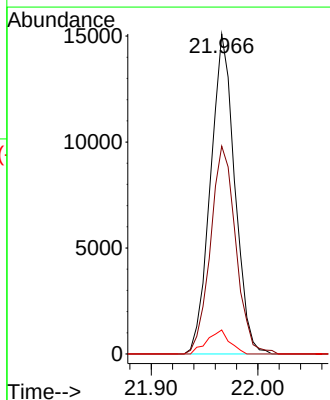
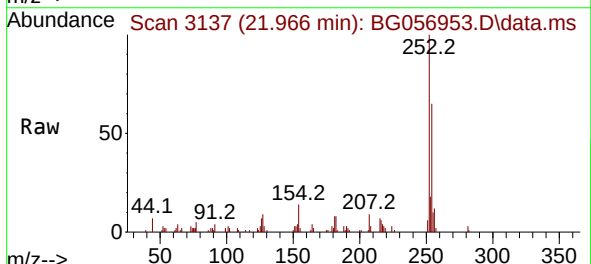
Manual Integrations
APPROVED

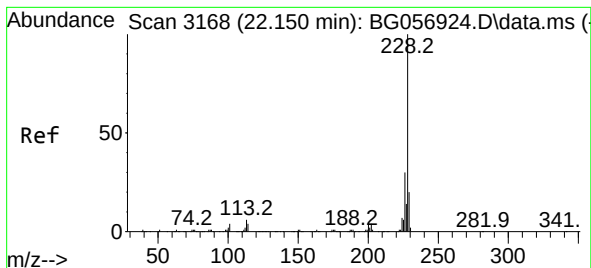
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#82
3,3'-Dichlorobenzidine
Concen: 8.014 ng
RT: 21.966 min Scan# 3137
Delta R.T. -0.008 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

Tgt Ion:252 Resp: 23823
Ion Ratio Lower Upper
252 100
254 65.0 51.7 77.5
126 7.5 5.6 8.4





#83

Chrysene

Concen: 7.017 ng

RT: 22.142 min Scan# 3167

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

Tgt Ion:228 Resp: 5784

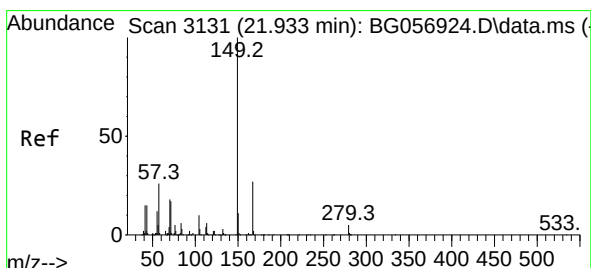
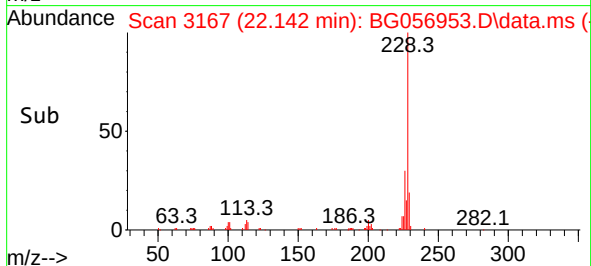
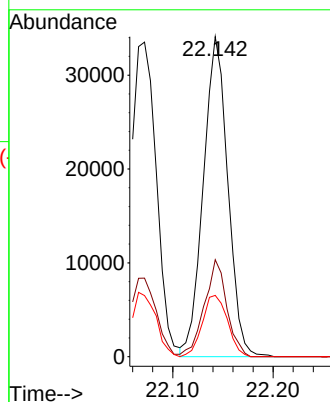
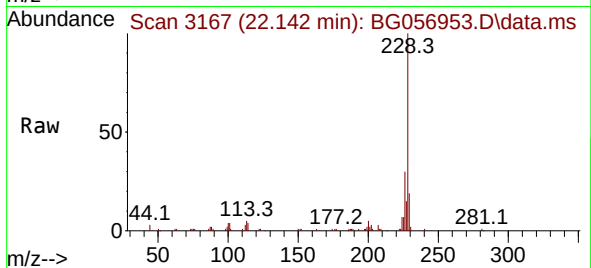
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	19.1	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/04/2023

Supervised By :Jagrut Upadhyay 04/05/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.660 ng

RT: 21.925 min Scan# 3130

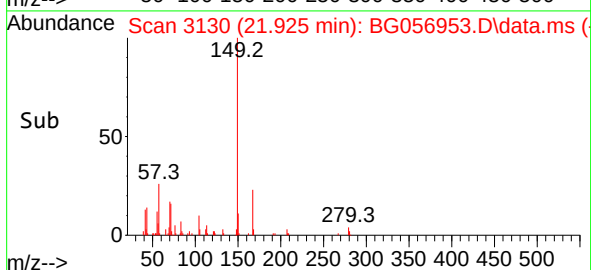
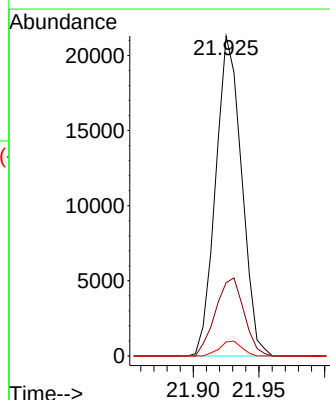
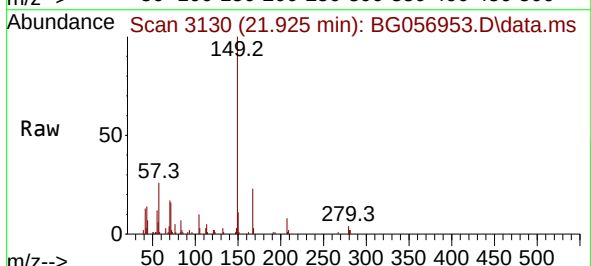
Delta R.T. -0.008 min

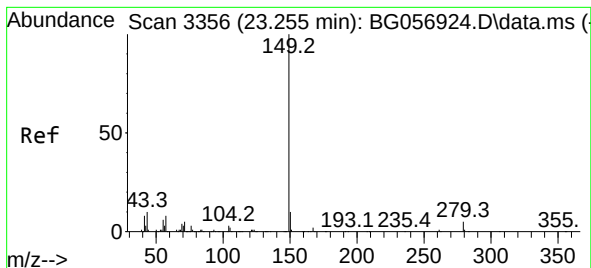
Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Tgt Ion:149 Resp: 29202

Ion	Ratio	Lower	Upper
149	100		
167	22.9	21.4	32.2
279	4.4	3.9	5.9





#85

Di-n-octyl phthalate

Concen: 6.523 ng

RT: 23.247 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056953.D

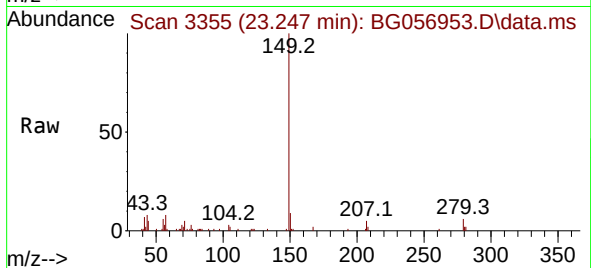
Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

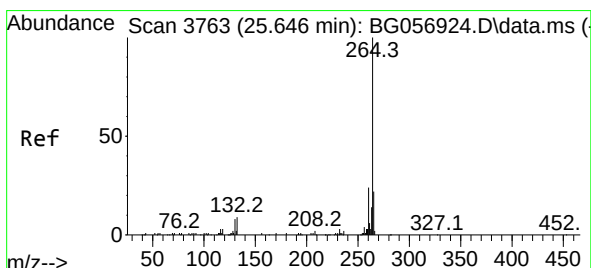
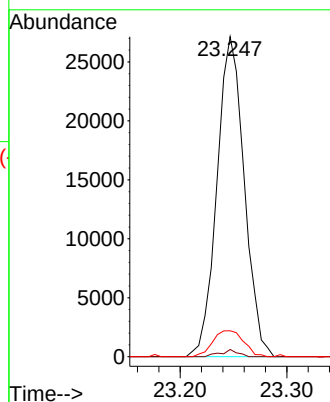
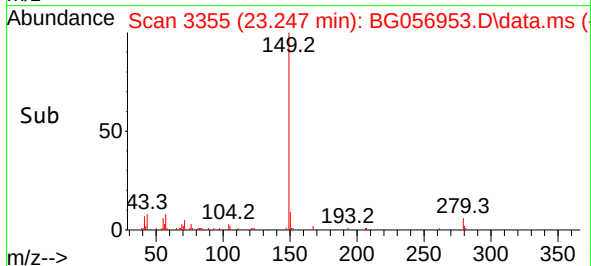


Tgt Ion:	149	Resp:	48194
Ion Ratio	Lower	Upper	
149	100		
167	1.4	1.3	1.9
43	9.2	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#86

Perylene-d12

Concen: 20.000 ng

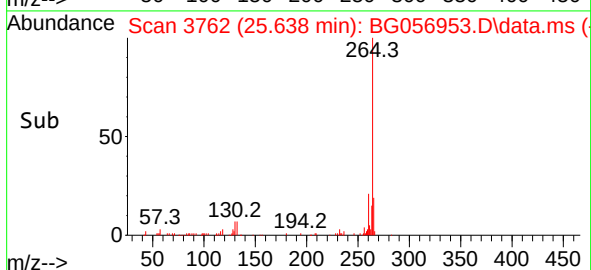
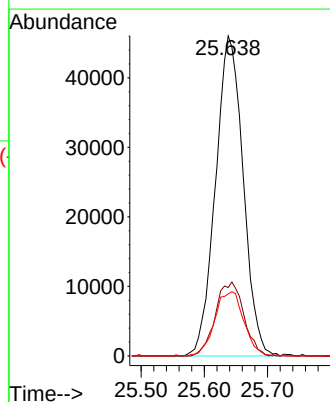
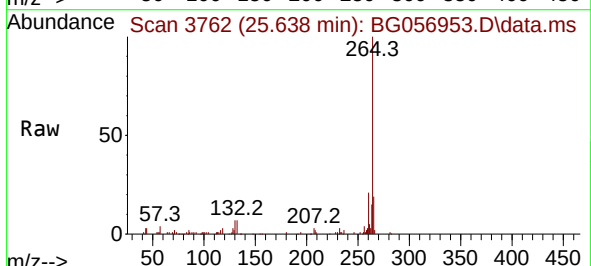
RT: 25.638 min Scan# 3762

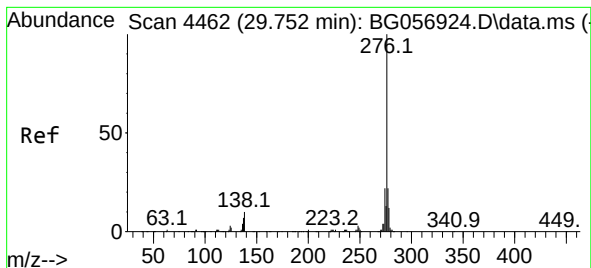
Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Tgt Ion:	264	Resp:	139644
Ion Ratio	Lower	Upper	
264	100		
260	21.4	19.0	28.4
265	19.4	17.8	26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.005 ng

RT: 29.720 min Scan# 4462

Delta R.T. -0.031 min

Lab File: BG056953.D

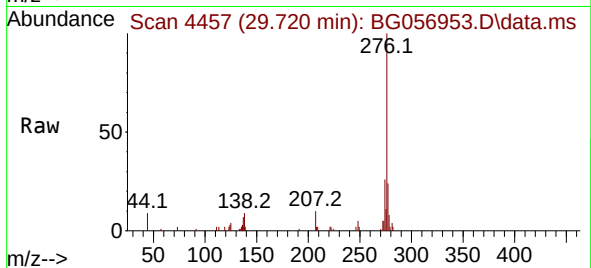
Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023



Tgt Ion:276 Resp: 72298

Ion Ratio Lower Upper

276 100

138 1.2 7.7 11.5

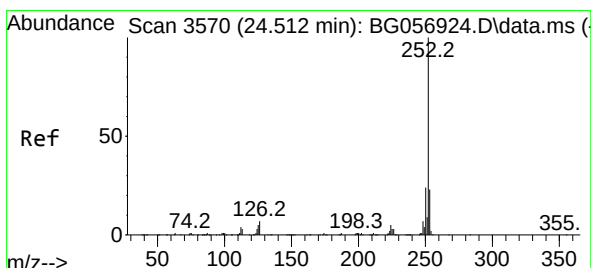
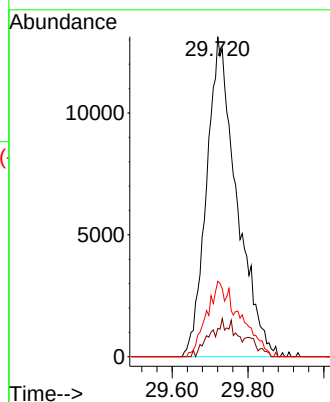
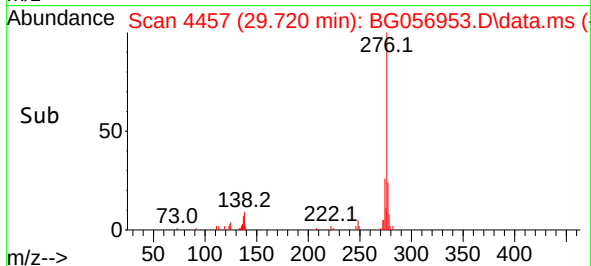
277 17.9 21.0 31.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/04/2023

Supervised By :Jagrut Upadhyay 04/05/2023



#88

Benzo(b)fluoranthene

Concen: 6.960 ng

RT: 24.498 min Scan# 3568

Delta R.T. -0.014 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

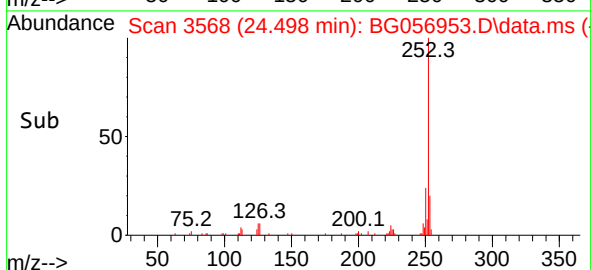
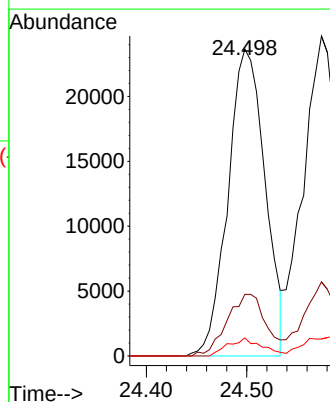
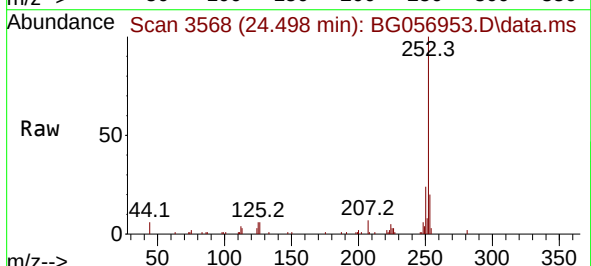
Tgt Ion:252 Resp: 60778

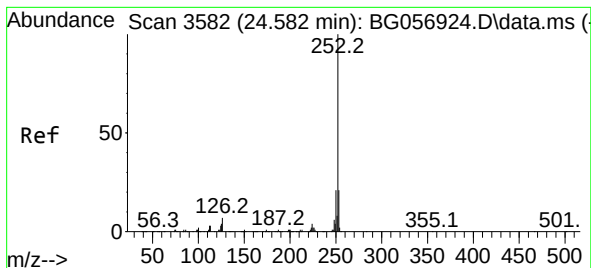
Ion Ratio Lower Upper

252 100

253 20.1 18.1 27.1

125 5.9 4.2 6.4





#89

Benzo(k)fluoranthene

Concen: 7.276 ng

RT: 24.574 min Scan# 3

Delta R.T. -0.008 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

Instrument :

BNA_G

ClientSampleId :

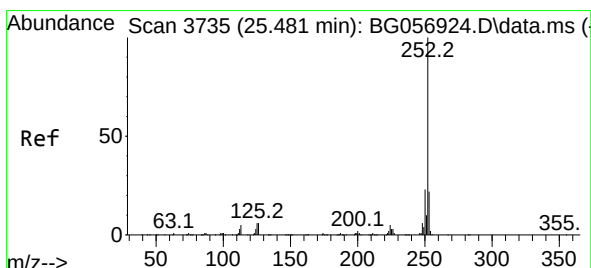
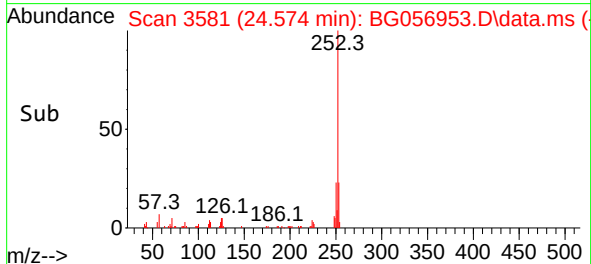
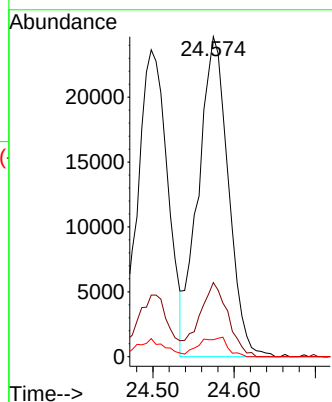
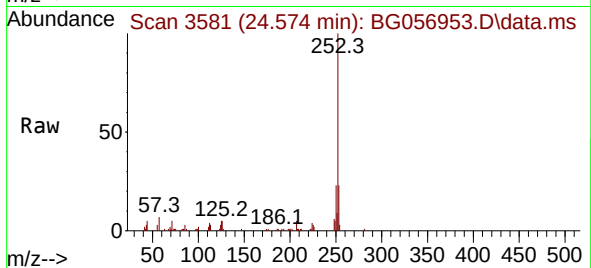
MDL-SOIL-03-QT1-2023

Tgt Ion:252 Resp: 6343
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.1 25.7
 125 5.3 3.8 5.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/04/2023
 Supervised By :Jagrut Upadhyay 04/05/2023



#90

Benzo(a)pyrene

Concen: 6.235 ng

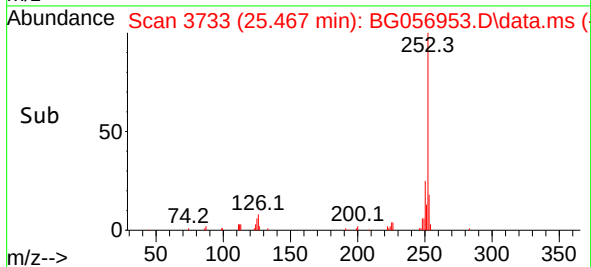
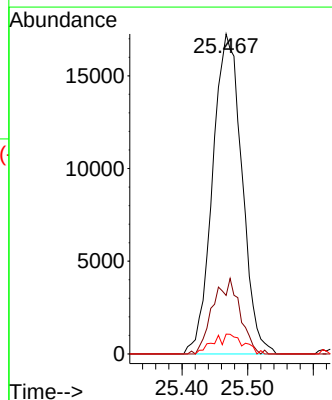
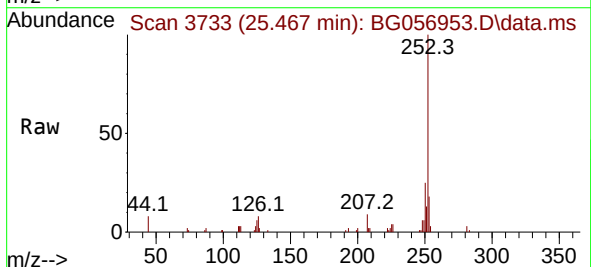
RT: 25.467 min Scan# 3733

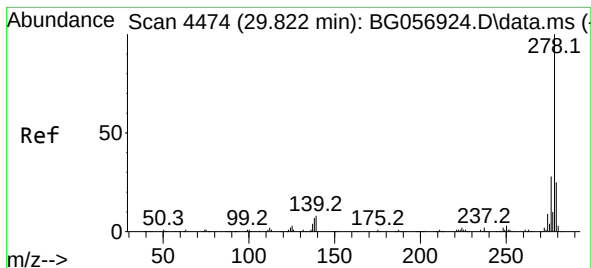
Delta R.T. -0.014 min

Lab File: BG056953.D

Acq: 3 Apr 2023 11:47

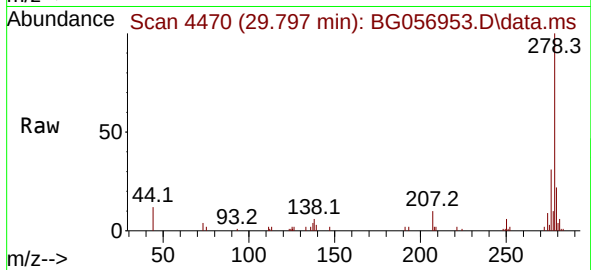
Tgt Ion:252 Resp: 53502
 Ion Ratio Lower Upper
 252 100
 253 18.3 17.6 26.4
 125 6.2 4.5 6.7





#91
Dibenzo(a,h)anthracene
Concen: 7.023 ng
RT: 29.797 min Scan# 4474
Delta R.T. -0.026 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47

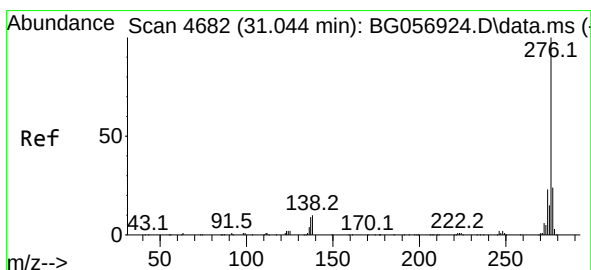
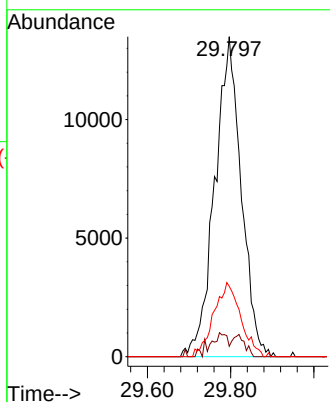
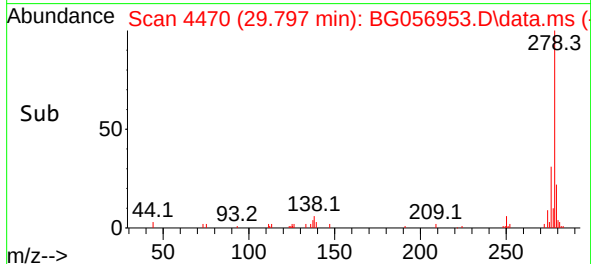
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



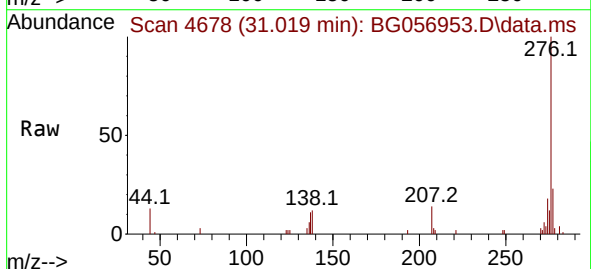
Tgt Ion:278 Resp: 59580
Ion Ratio Lower Upper
278 100
139 3.3 6.4 9.6
279 22.0 20.2 30.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#92
Benzo(g,h,i)perylene
Concen: 6.835 ng
RT: 31.019 min Scan# 4678
Delta R.T. -0.026 min
Lab File: BG056953.D
Acq: 3 Apr 2023 11:47



Tgt Ion:276 Resp: 56772
Ion Ratio Lower Upper
276 100
277 23.3 19.1 28.7
138 11.8 8.2 12.2

