

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040323\
 Data File : BG056952.D
 Acq On : 3 Apr 2023 11:06
 Operator : CG/JU
 Sample : 01627-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 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 04:53:07 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	15583	20.000	ng	0.00
21) Naphthalene-d8	11.258	136	65086	20.000	ng	0.00
39) Acenaphthene-d10	15.023	164	50450	20.000	ng	0.00
64) Phenanthrene-d10	17.766	188	129918	20.000	ng	0.00
76) Chrysene-d12	22.090	240	124485	20.000	ng	0.00
86) Perylene-d12	25.632	264	129770	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.918	112	107929	110.848	ng	0.00
7) Phenol-d6	7.539	99	157038	107.838	ng	0.00
23) Nitrobenzene-d5	9.589	82	122332	76.906	ng	0.00
42) 2,4,6-Tribromophenol	16.509	330	89540	111.098	ng	0.00
45) 2-Fluorobiphenyl	13.654	172	294964	79.281	ng	0.00
79) Terphenyl-d14	20.339	244	574812	78.136	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.732	88	2000	4.686	ng	97
3) Pyridine	4.155	79	4649m	3.382	ng	
4) n-Nitrosodimethylamine	4.061	42	2440	3.860	ng	# 79
6) Aniline	7.721	93	6930	3.722	ng	# 84
8) 2-Chlorophenol	7.968	128	3969	4.093	ng	95
9) Benzaldehyde	7.539	77	4558	4.990	ng	94
10) Phenol	7.568	94	5612	3.889	ng	96
11) bis(2-Chloroethyl)ether	7.815	93	4415	4.295	ng	88
12) 1,3-Dichlorobenzene	8.309	146	4687	4.374	ng	# 82
13) 1,4-Dichlorobenzene	8.444	146	4686m	4.333	ng	
14) 1,2-Dichlorobenzene	8.779	146	4248	4.065	ng	85
15) Benzyl Alcohol	8.638	79	4833	3.994	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.931	45	5026	4.057	ng	96
17) 2-Methylphenol	8.843	107	3920	3.808	ng	# 78
18) Hexachloroethane	9.519	117	1828	4.624	ng	# 76
19) n-Nitroso-di-n-propyla...	9.207	70	3766	3.616	ng	# 86
20) 3+4-Methylphenols	9.166	107	5006	3.478	ng	84
22) Acetophenone	9.237	105	7461	3.852	ng	# 91
24) Nitrobenzene	9.630	77	6468	3.977	ng	# 93
25) Isophorone	10.141	82	10655	3.518	ng	97
26) 2-Nitrophenol	10.353	139	2032	3.237	ng	# 80
27) 2,4-Dimethylphenol	10.388	122	3714	3.351	ng	# 92
28) bis(2-Chloroethoxy)met...	10.629	93	6034	3.979	ng	98
29) 2,4-Dichlorophenol	10.887	162	4103	3.442	ng	94
30) 1,2,4-Trichlorobenzene	11.105	180	5144	4.062	ng	86
31) Naphthalene	11.305	128	13497	3.805	ng	# 93
33) 4-Chloroaniline	11.404	127	5475	3.417	ng	# 92
34) Hexachlorobutadiene	11.581	225	3751	3.943	ng	91
35) Caprolactam	12.139	113	1353	3.292	ng	# 71
36) 4-Chloro-3-methylphenol	12.485	107	4492	3.370	ng	96
37) 2-Methylnaphthalene	12.879	142	9926	3.525	ng	96
38) 1-Methylnaphthalene	13.096	142	9782	3.700	ng	# 88
40) 1,2,4,5-Tetrachloroben...	13.243	216	7322	4.185	ng	97
41) Hexachlorocyclopentadiene	13.220	237	3333	3.458	ng	82
43) 2,4,6-Trichlorophenol	13.460	196	3783	3.389	ng	# 93
44) 2,4,5-Trichlorophenol	13.531	196	4162	3.147	ng	# 84

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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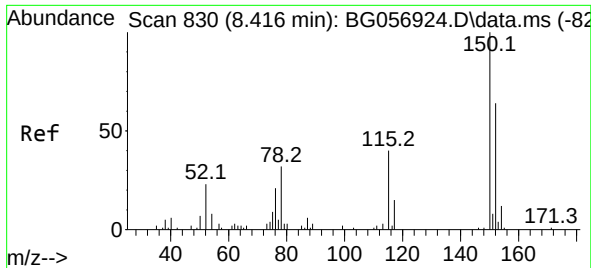
Quant Time: Apr 04 04:53:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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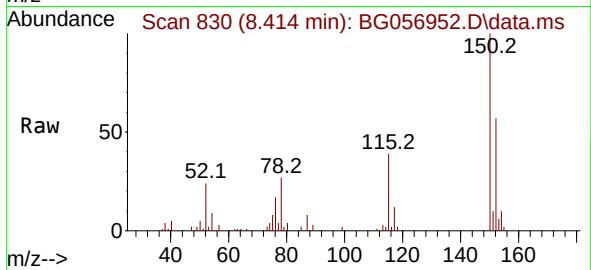
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.866	154	14722	3.986	ng	96
47) 2-Chloronaphthalene	13.913	162	11003	4.028	ng	95
48) 2-Nitroaniline	14.107	65	3406	3.487	ng #	75
49) Acenaphthylene	14.753	152	17354	3.867	ng	97
50) Dimethylphthalate	14.453	163	14671	3.691	ng	97
51) 2,6-Dinitrotoluene	14.582	165	2978	3.467	ng	93
52) Acenaphthene	15.088	154	11822	3.820	ng	95
53) 3-Nitroaniline	14.917	138	3018	3.550	ng #	75
55) Dibenzofuran	15.417	168	18159	3.909	ng	98
56) 4-Nitrophenol	15.205	139	1908	3.035	ng	89
57) 2,4-Dinitrotoluene	15.364	165	4088	3.375	ng #	90
58) Fluorene	16.069	166	15580	4.053	ng	93
59) 2,3,4,6-Tetrachlorophenol	15.640	232	4101	3.406	ng #	97
60) Diethylphthalate	15.804	149	15698	3.939	ng #	92
61) 4-Chlorophenyl-phenyle...	16.051	204	8663	3.838	ng	94
62) 4-Nitroaniline	16.069	138	2967	3.369	ng	90
63) Azobenzene	16.339	77	15519	3.908	ng	91
65) 4,6-Dinitro-2-methylph...	16.127	198	2168	2.755	ng	91
66) n-Nitrosodiphenylamine	16.263	169	12965	3.718	ng	91
67) 4-Bromophenyl-phenylether	16.944	248	5495	3.418	ng	92
68) Hexachlorobenzene	17.067	284	6603	4.155	ng #	84
69) Atrazine	17.185	200	5778	3.991	ng	95
71) Phenanthrene	17.807	178	25132	3.794	ng	94
72) Anthracene	17.901	178	25947	3.821	ng	96
73) Carbazole	18.160	167	23129	3.907	ng	94
74) Di-n-butylphthalate	18.689	149	24445	3.566	ng	97
75) Fluoranthene	19.793	202	31311	3.729	ng	97
77) Benzidine	19.958	184	16458	4.837	ng	97
78) Pyrene	20.157	202	31781	3.691	ng	97
80) Butylbenzylphthalate	21.015	149	10375	3.502	ng #	87
81) Benzo(a)anthracene	22.066	228	32144	3.731	ng	97
82) 3,3'-Dichlorobenzidine	21.961	252	13421	4.614	ng #	92
83) Chrysene	22.137	228	29707	3.683	ng	99
84) Bis(2-ethylhexyl)phtha...	21.920	149	15253	3.555	ng #	94
85) Di-n-octyl phthalate	23.241	149	25216	3.488	ng #	99
87) Indeno(1,2,3-cd)pyrene	29.709	276	36004	3.754	ng #	75
88) Benzo(b)fluoranthene	24.493	252	31533	3.886	ng	97
89) Benzo(k)fluoranthene	24.569	252	32290m	3.986	ng	
90) Benzo(a)pyrene	25.462	252	27851	3.493	ng	95
91) Dibenzo(a,h)anthracene	29.779	278	31759	4.029	ng	98
92) Benzo(g,h,i)perylene	30.984	276	28980	3.754	ng #	94

(#) = 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: BG056952.D
Acq: 3 Apr 2023 11:06

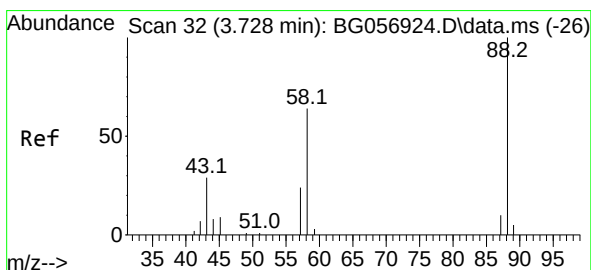
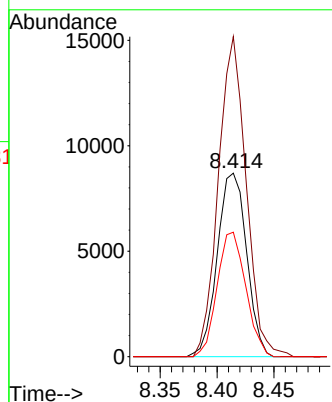
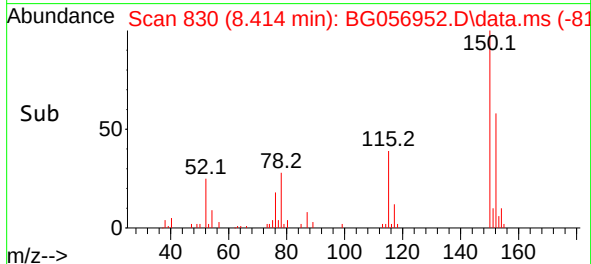
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:152 Resp: 1558
Ion Ratio Lower Upper
152 100
150 174.4 124.1 186.1
115 67.8 49.1 73.7

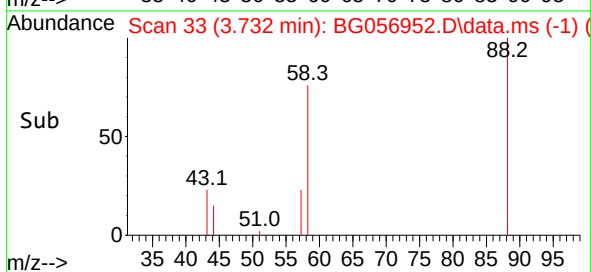
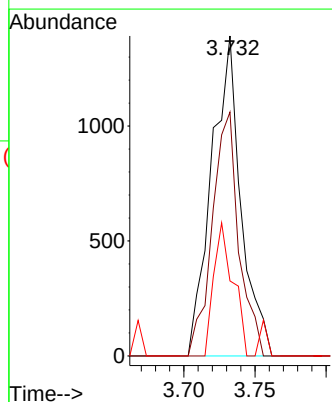
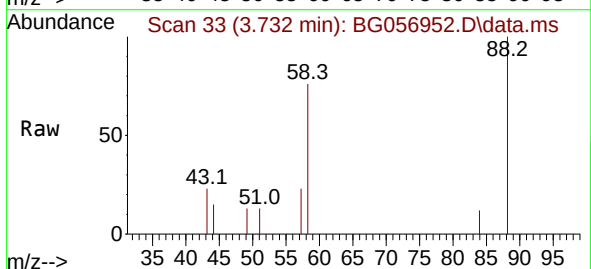
Manual Integrations
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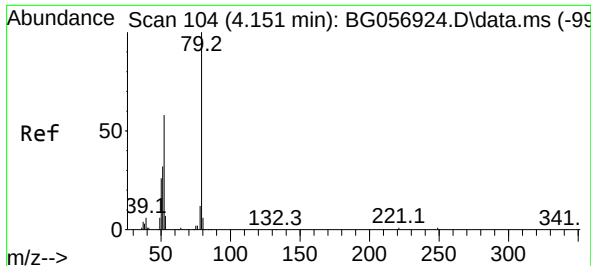
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#2
1,4-Dioxane
Concen: 4.686 ng
RT: 3.732 min Scan# 33
Delta R.T. 0.004 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

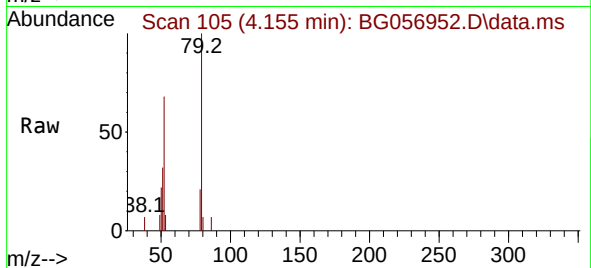
Tgt Ion: 88 Resp: 2000
Ion Ratio Lower Upper
88 100
58 69.1 55.9 83.9
43 27.4 25.7 38.5





#3
Pyridine
Concen: 3.382 ng m
RT: 4.155 min Scan# 104
Delta R.T. 0.004 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

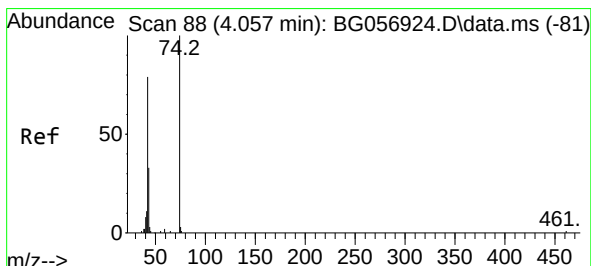
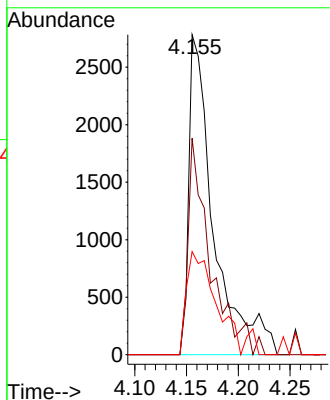
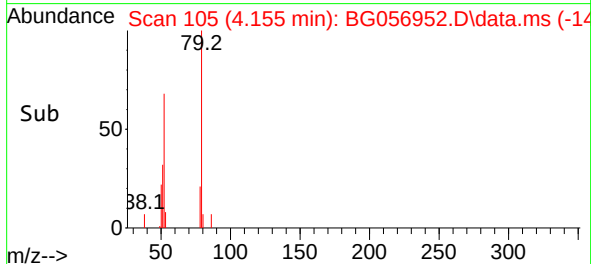
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion: 79 Resp: 4649
Ion Ratio Lower Upper
79 100
52 67.7 46.1 69.1
51 32.2 26.1 39.1

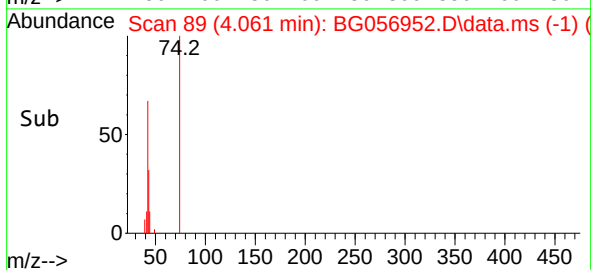
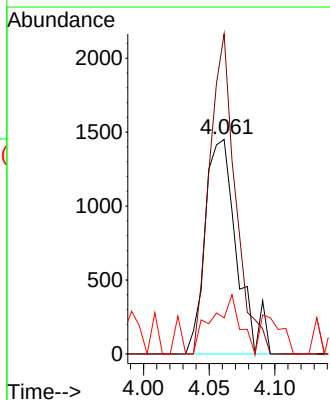
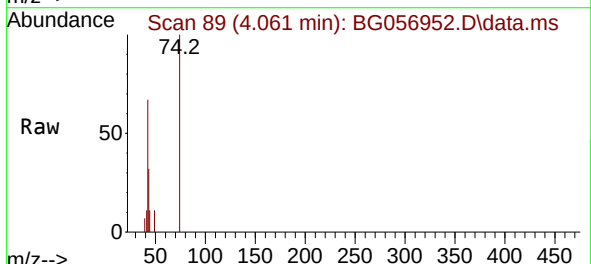
Manual Integrations
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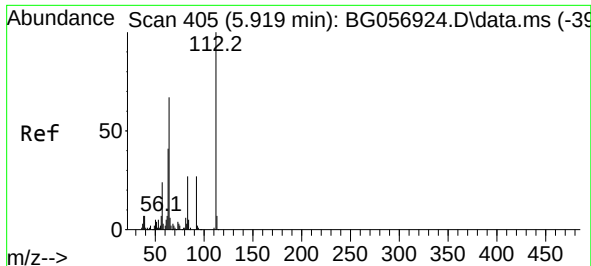
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#4
n-Nitrosodimethylamine
Concen: 3.860 ng
RT: 4.061 min Scan# 89
Delta R.T. 0.004 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

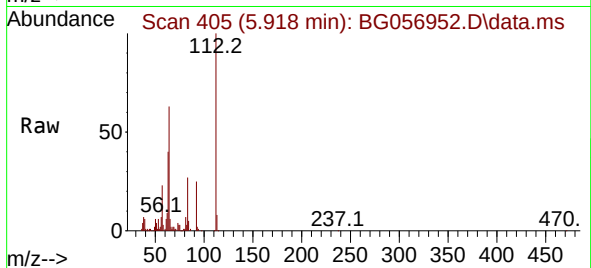
Tgt Ion: 42 Resp: 2440
Ion Ratio Lower Upper
42 100
74 149.1 100.6 151.0
44 16.8 4.6 7.0





#5
2-Fluorophenol
Concen: 110.848 ng
RT: 5.918 min Scan# 405
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

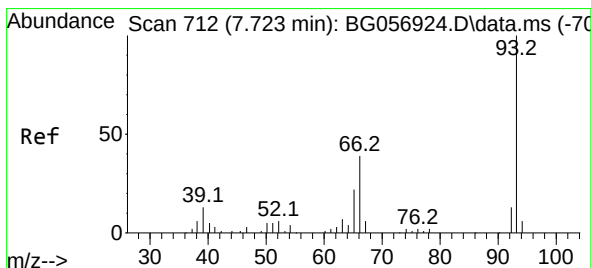
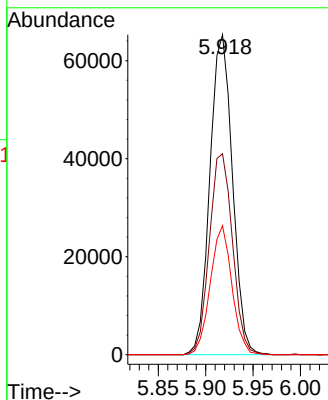
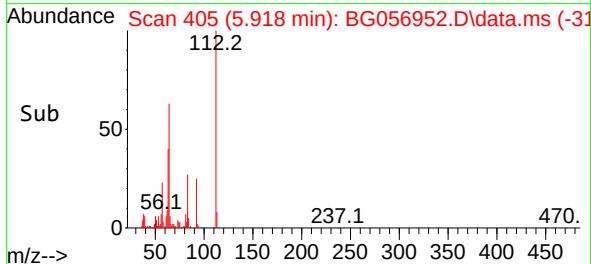
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



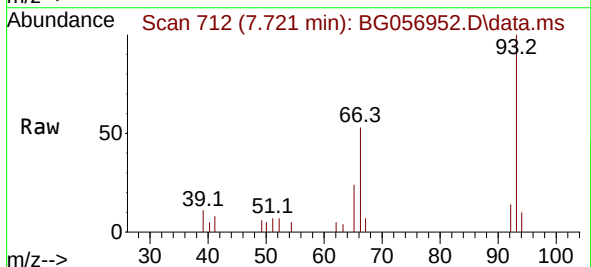
Tgt Ion:112 Resp: 107929
Ion Ratio Lower Upper
112 100
64 62.8 53.2 79.8
63 40.3 32.6 48.8

Manual Integrations
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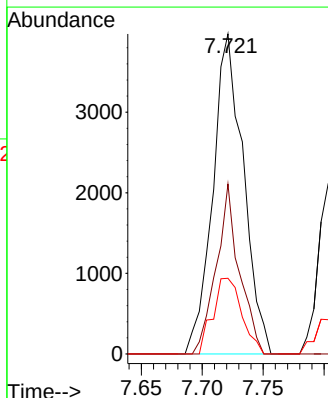
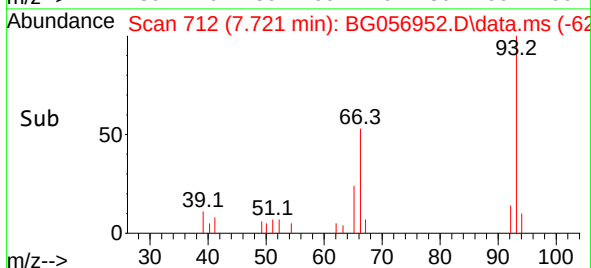
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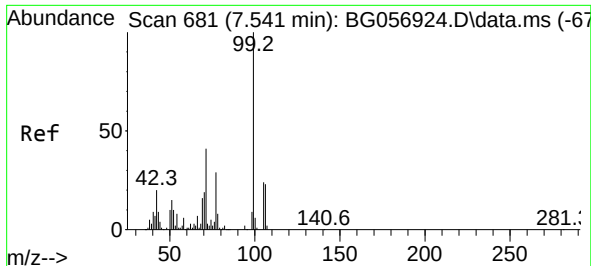


#6
Aniline
Concen: 3.722 ng
RT: 7.721 min Scan# 712
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06



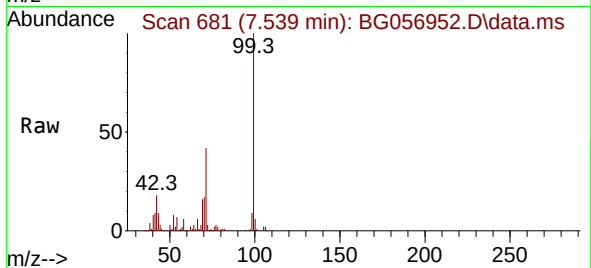
Tgt Ion: 93 Resp: 6930
Ion Ratio Lower Upper
93 100
66 53.1 31.4 47.0#
65 23.6 17.3 25.9





#7
Phenol-d6
Concen: 107.838 ng
RT: 7.539 min Scan# 681
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

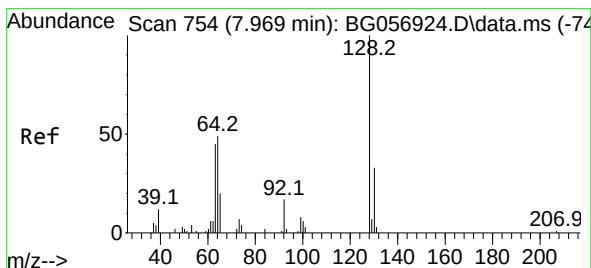
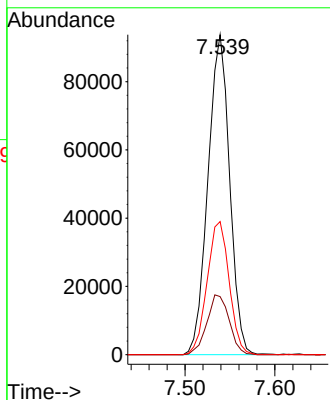
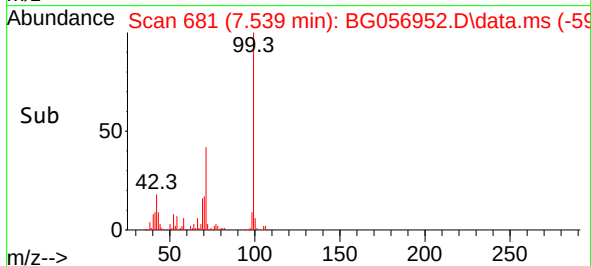
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion: 99 Resp: 157038
Ion Ratio Lower Upper
99 100
42 18.1 15.7 23.5
71 41.6 32.5 48.7

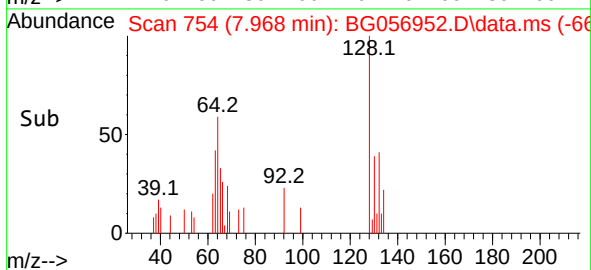
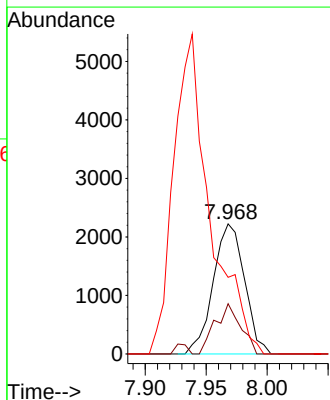
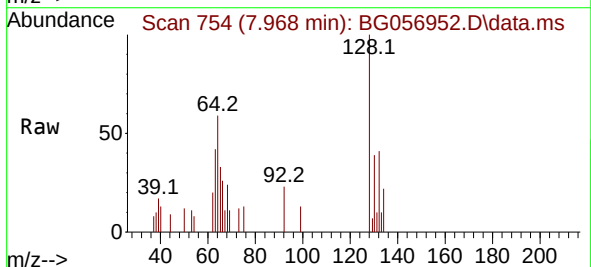
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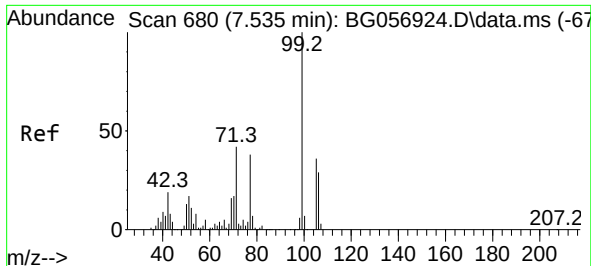
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#8
2-Chlorophenol
Concen: 4.093 ng
RT: 7.968 min Scan# 754
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:128 Resp: 3969
Ion Ratio Lower Upper
128 100
130 38.6 12.6 52.6
64 59.0 40.6 80.6





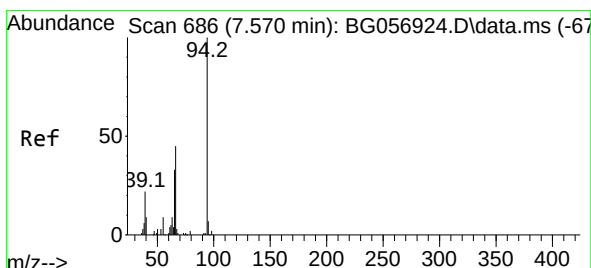
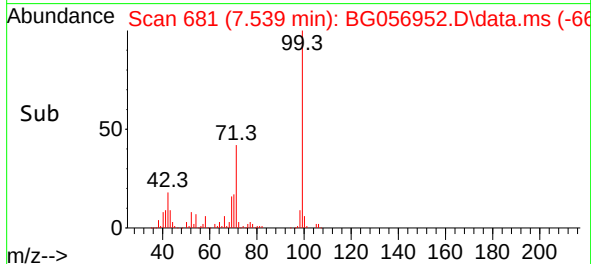
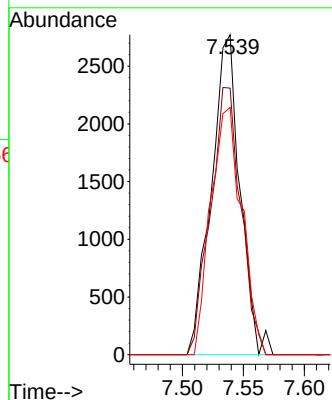
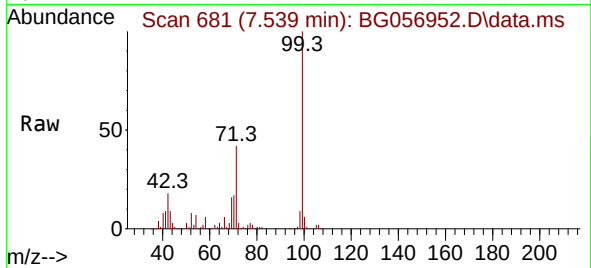
#9
Benzaldehyde
Concen: 4.990 ng
RT: 7.539 min Scan# 681
Delta R.T. 0.004 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

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

Tgt Ion: 77 Resp: 4558
Ion Ratio Lower Upper
77 100
105 83.3 73.6 113.6
106 77.2 56.7 96.7

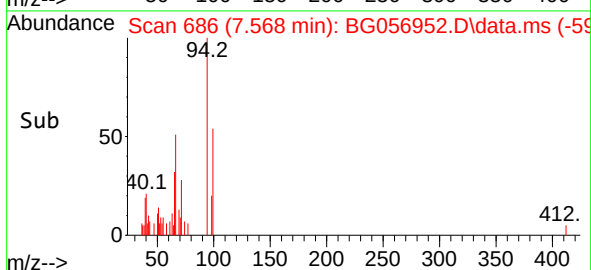
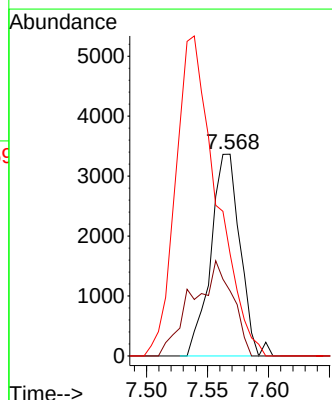
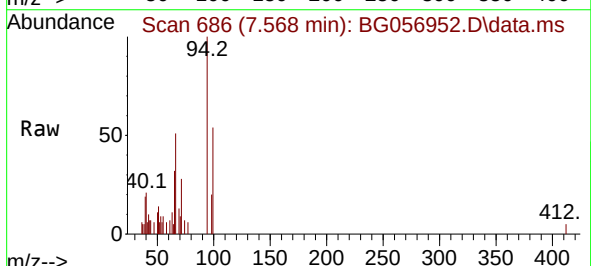
Manual Integrations
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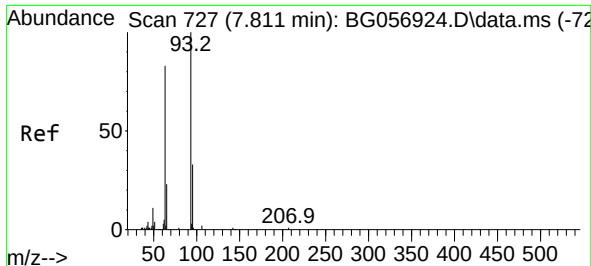
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#10
Phenol
Concen: 3.889 ng
RT: 7.568 min Scan# 686
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

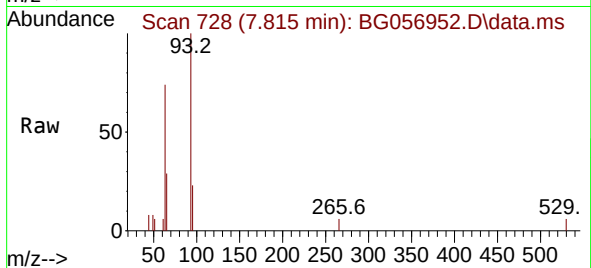
Tgt Ion: 94 Resp: 5612
Ion Ratio Lower Upper
94 100
65 32.2 13.3 53.3
66 50.5 26.7 66.7





#11
bis(2-Chloroethyl)ether
Concen: 4.295 ng
RT: 7.815 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

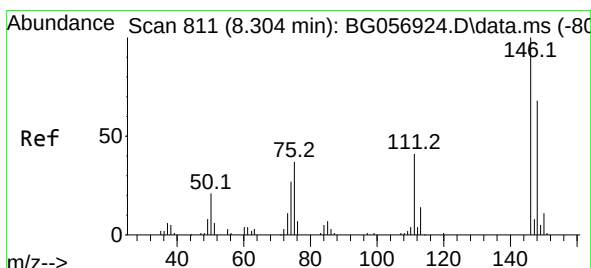
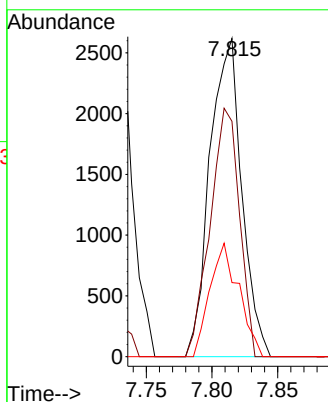
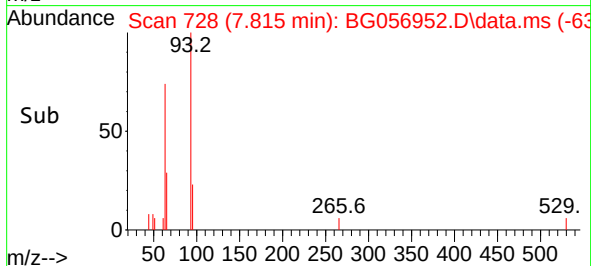
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion: 93 Resp: 441
Ion Ratio Lower Upper
93 100
63 74.0 62.7 102.7
95 23.3 12.3 52.3

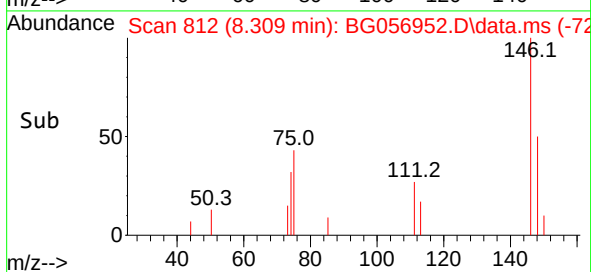
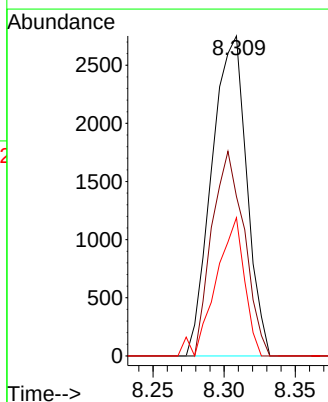
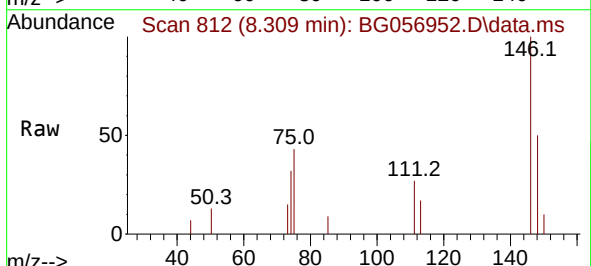
Manual Integrations
APPROVED

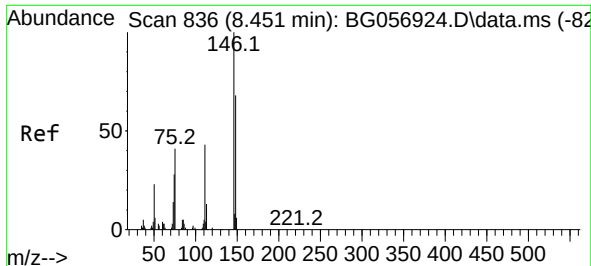
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#12
1,3-Dichlorobenzene
Concen: 4.374 ng
RT: 8.309 min Scan# 812
Delta R.T. 0.004 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

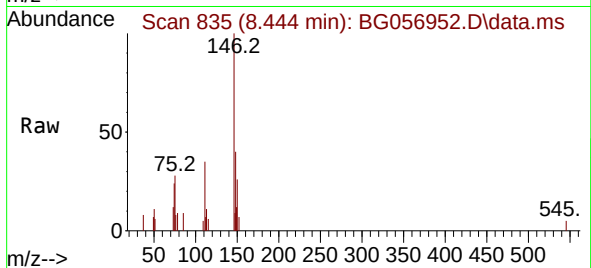
Tgt Ion:146 Resp: 4687
Ion Ratio Lower Upper
146 100
148 49.9 54.2 81.4#
75 43.2 29.8 44.8





#13
1,4-Dichlorobenzene
Concen: 4.333 ng m
RT: 8.444 min Scan# 835
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

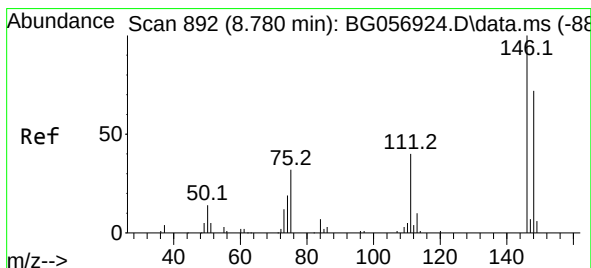
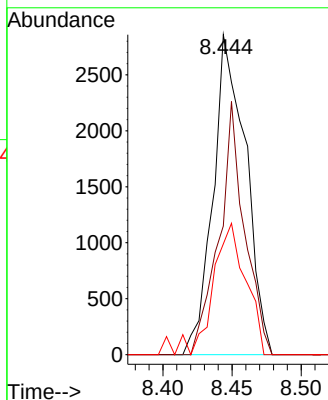
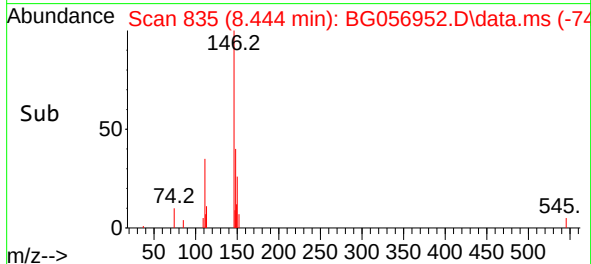
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT1-2023



Tgt Ion:146 Resp: 4680
Ion Ratio Lower Upper
146 100
148 40.2 54.8 82.2
111 34.6 34.6 52.0

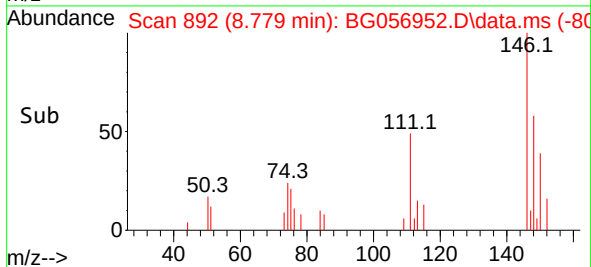
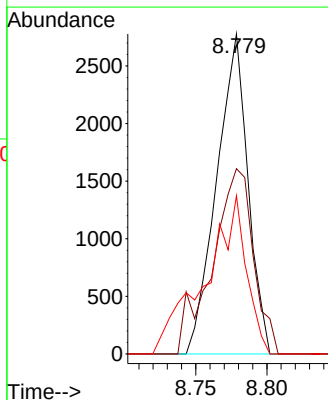
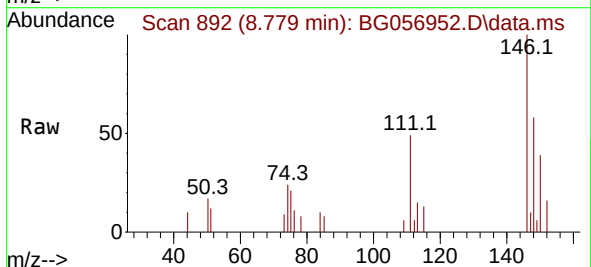
Manual Integrations
APPROVED

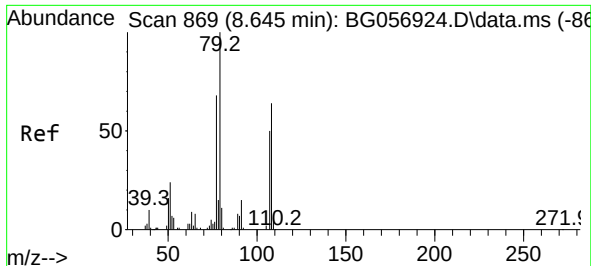
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#14
1,2-Dichlorobenzene
Concen: 4.065 ng
RT: 8.779 min Scan# 892
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

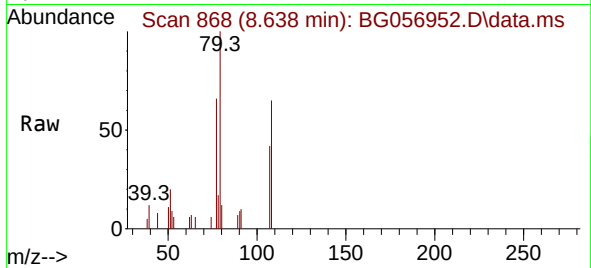
Tgt Ion:146 Resp: 4248
Ion Ratio Lower Upper
146 100
148 57.9 57.4 86.0
111 49.5 33.2 49.8





#15
Benzyl Alcohol
Concen: 3.994 ng
RT: 8.638 min Scan# 869
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

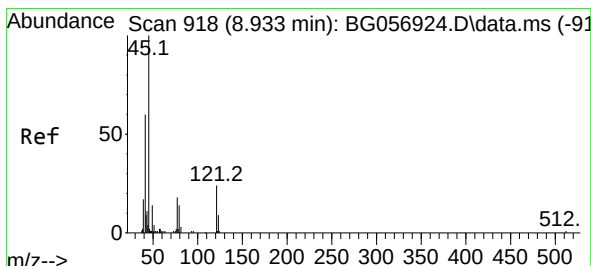
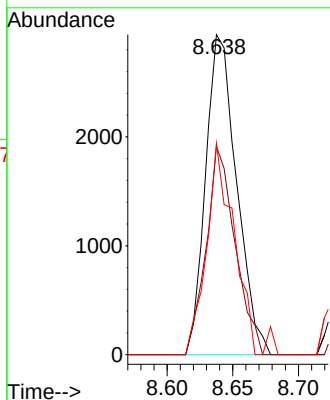
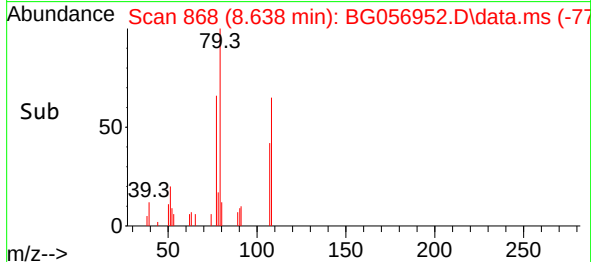
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion: 79 Resp: 483
Ion Ratio Lower Upper
79 100
108 65.1 51.2 76.8
77 66.1 54.4 81.6

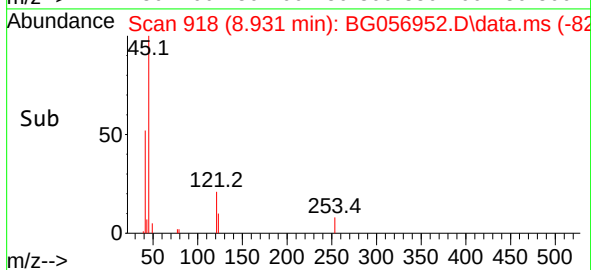
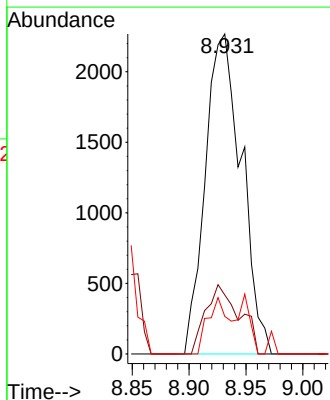
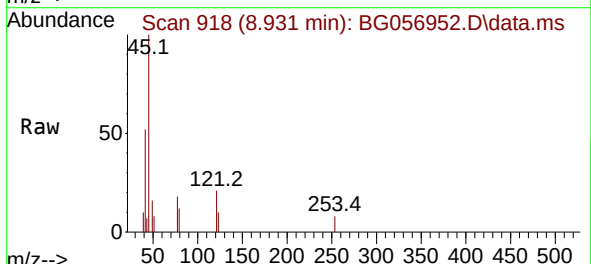
Manual Integrations
APPROVED

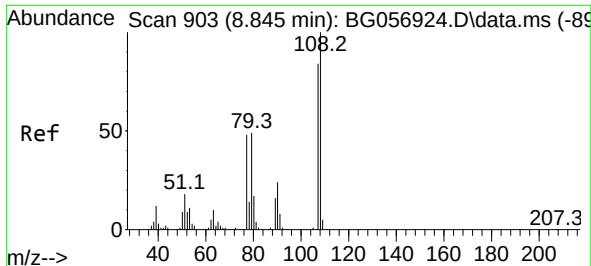
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.057 ng
RT: 8.931 min Scan# 918
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

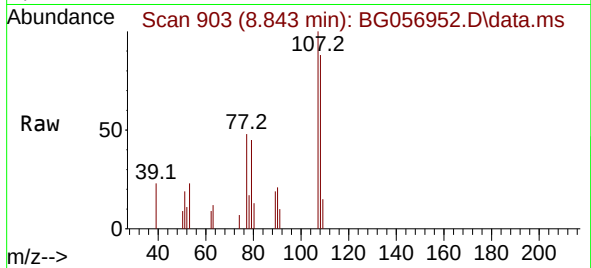
Tgt Ion: 45 Resp: 5026
Ion Ratio Lower Upper
45 100
77 18.5 0.0 38.7
79 11.7 0.0 35.1





#17
2-Methylphenol
Concen: 3.808 ng
RT: 8.843 min Scan# 903
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

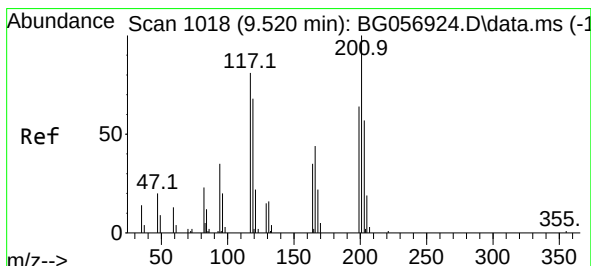
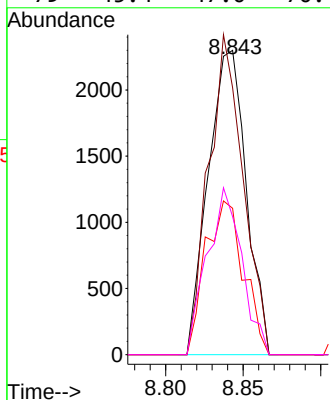
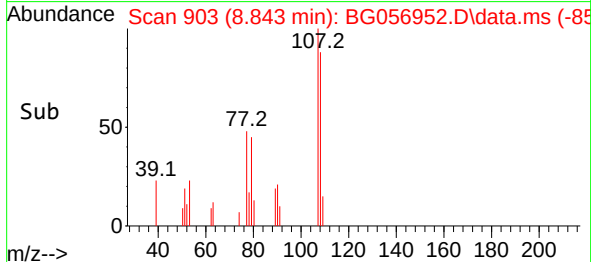
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:	107	Resp:	3920
Ion	Ratio	Lower	Upper
107	100		
108	87.8	96.0	144.0
77	48.1	45.6	68.4
79	45.4	47.0	70.4

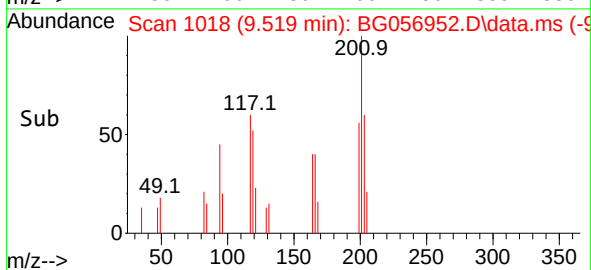
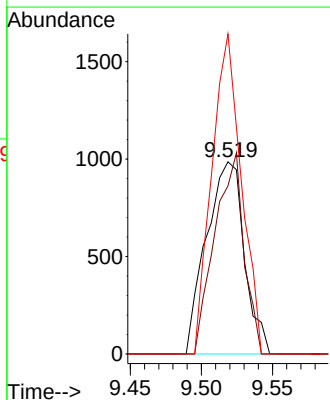
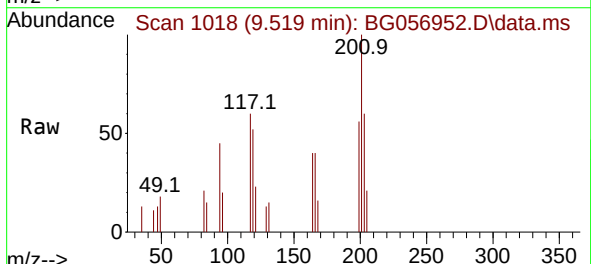
Manual Integrations
APPROVED

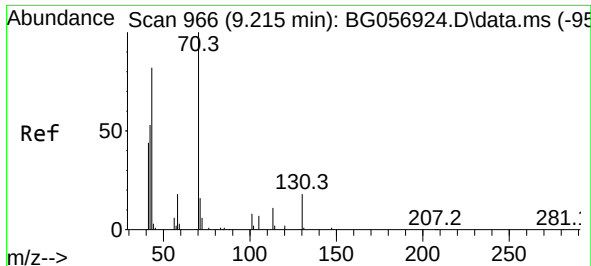
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#18
Hexachloroethane
Concen: 4.624 ng
RT: 9.519 min Scan# 1018
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

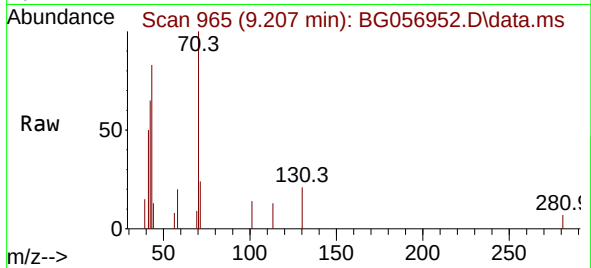
Tgt Ion:	117	Resp:	1828
Ion	Ratio	Lower	Upper
117	100		
119	87.4	67.0	100.6
201	166.5	98.7	148.1





#19
n-Nitroso-di-n-propylamine
Concen: 3.616 ng
RT: 9.207 min Scan# 90
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

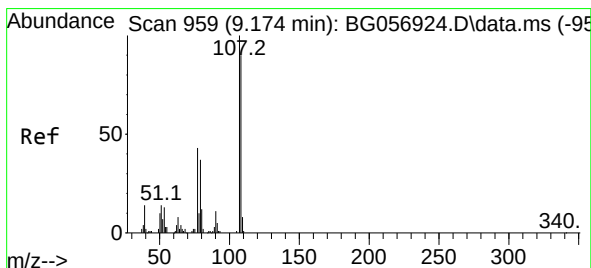
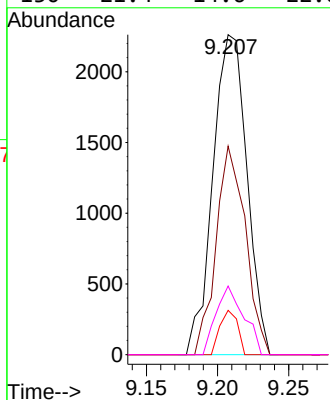
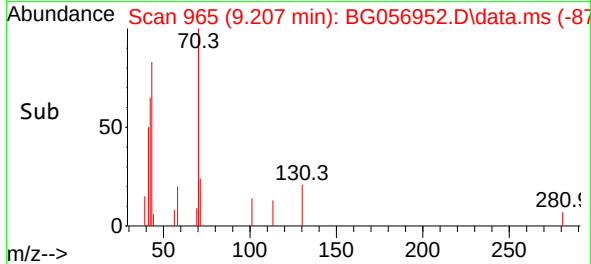
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion: 70 Resp: 3760
Ion Ratio Lower Upper
70 100
42 65.2 43.4 65.0
101 13.8 6.2 9.2
130 21.4 14.6 22.0

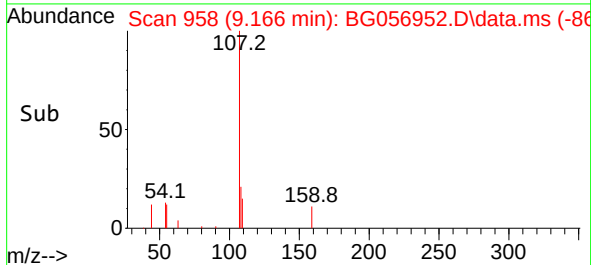
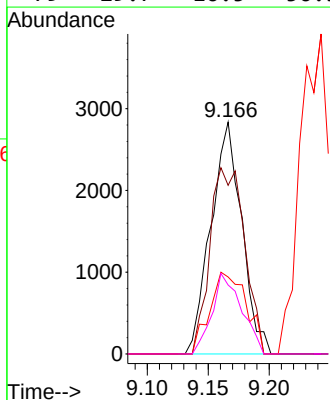
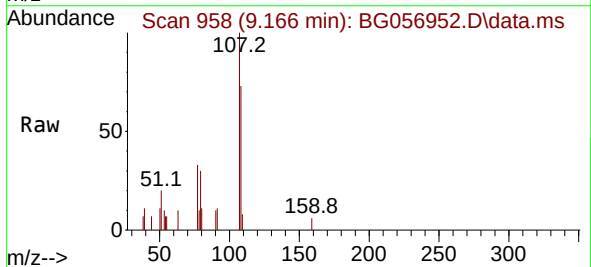
Manual Integrations
APPROVED

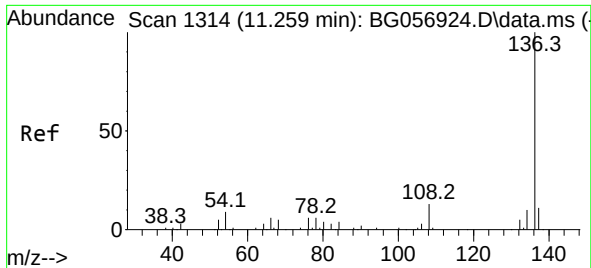
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#20
3+4-Methylphenols
Concen: 3.478 ng
RT: 9.166 min Scan# 958
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

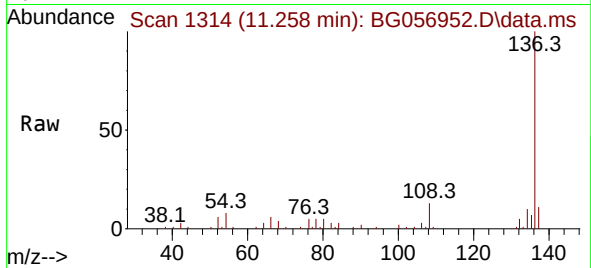
Tgt Ion:107 Resp: 5006
Ion Ratio Lower Upper
107 100
108 72.7 69.9 109.9
77 33.2 22.7 62.7
79 29.7 16.5 56.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.258 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

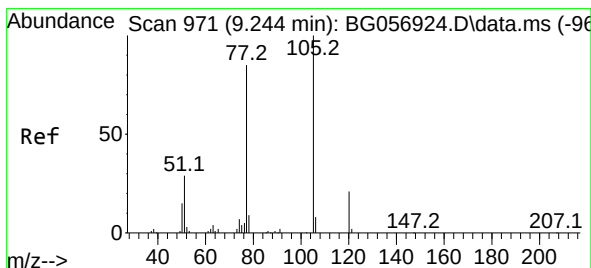
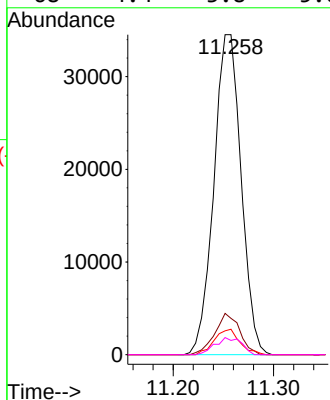
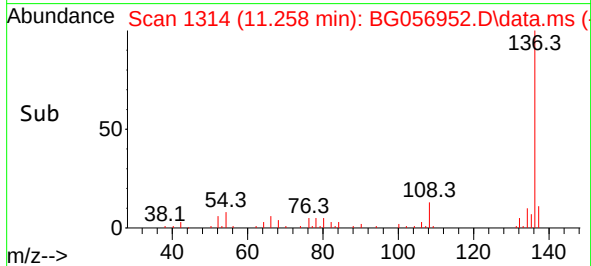
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



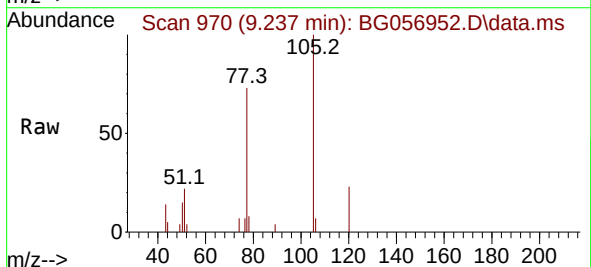
Tgt Ion:136 Resp: 65080
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 8.0 6.9 10.3
68 4.4 3.8 5.6

Manual Integrations
APPROVED

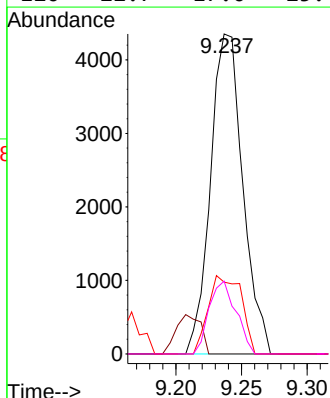
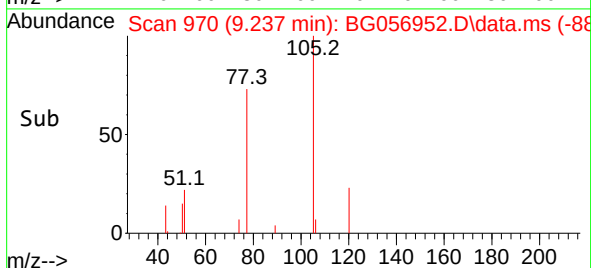
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

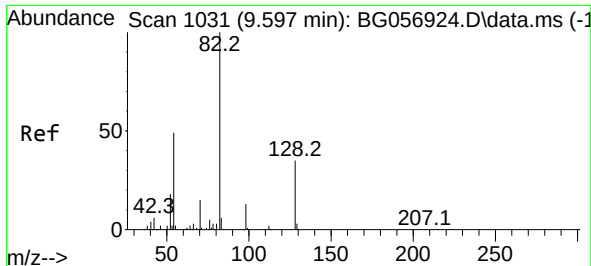


#22
Acetophenone
Concen: 3.852 ng
RT: 9.237 min Scan# 970
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06



Tgt Ion:105 Resp: 7461
Ion Ratio Lower Upper
105 100
71 0.0 0.7 1.1#
51 22.5 23.8 35.8#
120 22.7 17.0 25.4





#23

Nitrobenzene-d5

Concen: 76.906 ng

RT: 9.589 min Scan# 1030

Delta R.T. -0.007 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

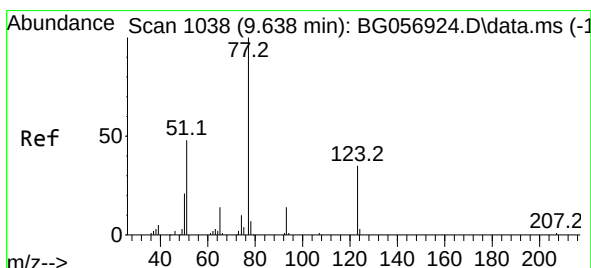
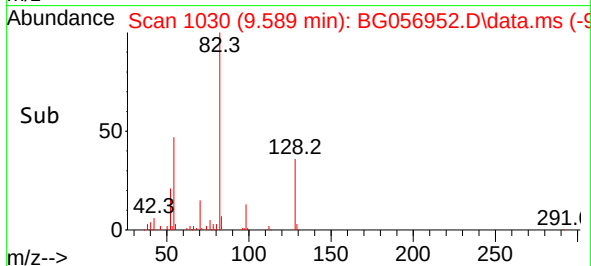
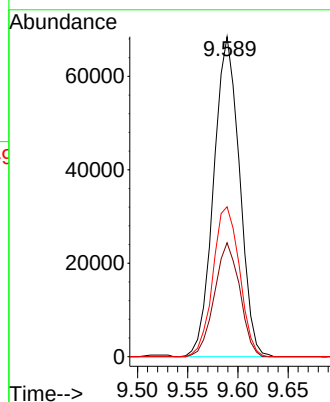
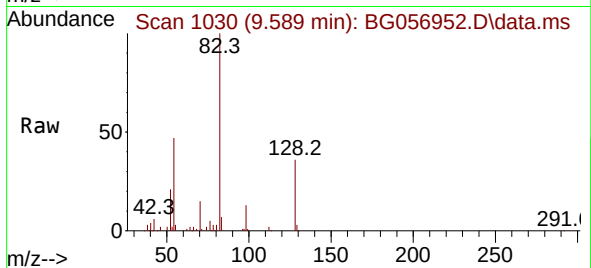
MDL-SOIL-03-QT1-2023

Tgt Ion: 82 Resp: 12233
 Ion Ratio Lower Upper
 82 100
 128 35.6 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: 3.977 ng

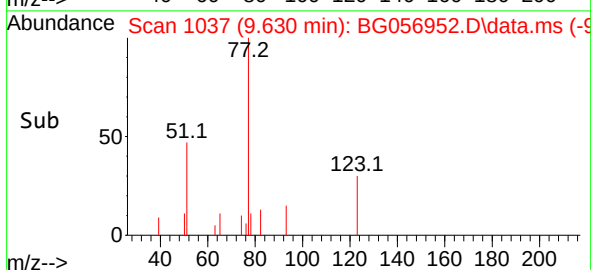
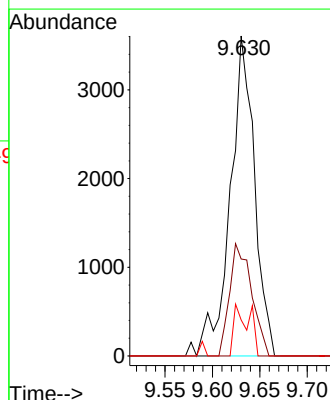
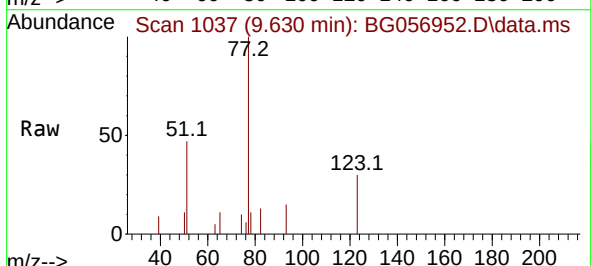
RT: 9.630 min Scan# 1037

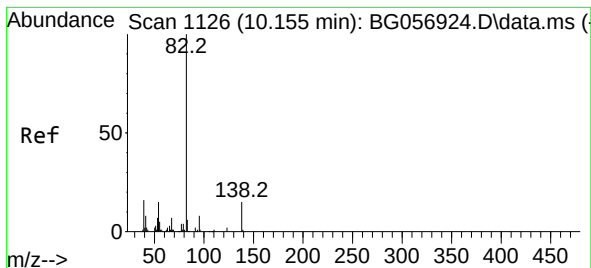
Delta R.T. -0.007 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Tgt Ion: 77 Resp: 6468
 Ion Ratio Lower Upper
 77 100
 123 30.3 27.6 41.4
 65 11.3 11.5 17.3#





#25

Isophorone

Concen: 3.518 ng

RT: 10.141 min Scan# 1126

Delta R.T. -0.013 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

Tgt Ion: 82 Resp: 1065

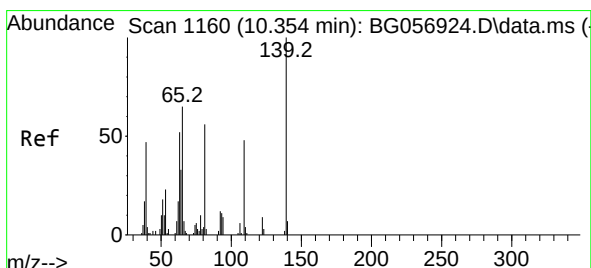
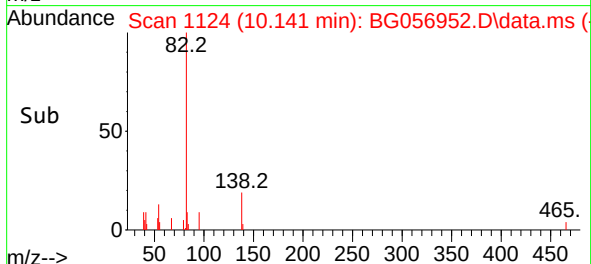
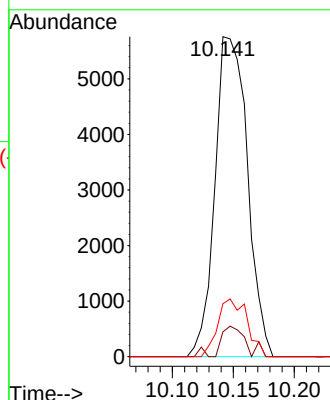
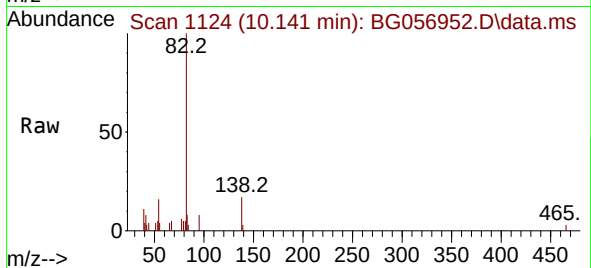
Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.3	9.5
138	16.5	11.8	17.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/04/2023

Supervised By :Jagrut Upadhyay 04/05/2023



#26

2-Nitrophenol

Concen: 3.237 ng

RT: 10.353 min Scan# 1160

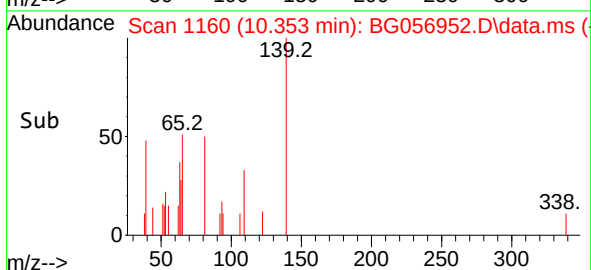
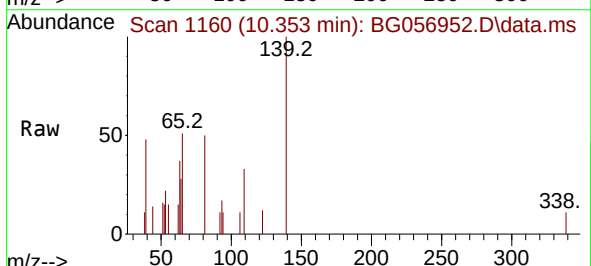
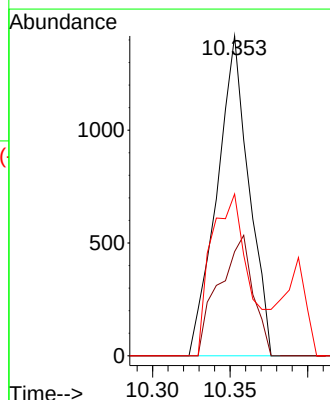
Delta R.T. -0.002 min

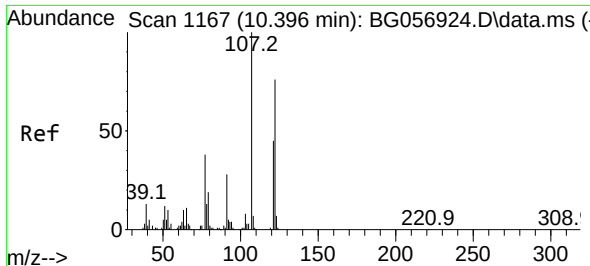
Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Tgt Ion:139 Resp: 2032

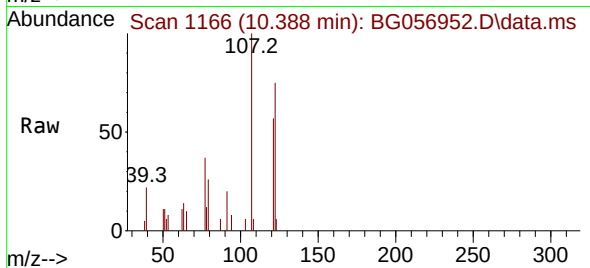
Ion	Ratio	Lower	Upper
139	100		
109	32.6	38.2	57.4#
65	50.6	51.8	77.8#





#27
2,4-Dimethylphenol
Concen: 3.351 ng
RT: 10.388 min Scan# 1166
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

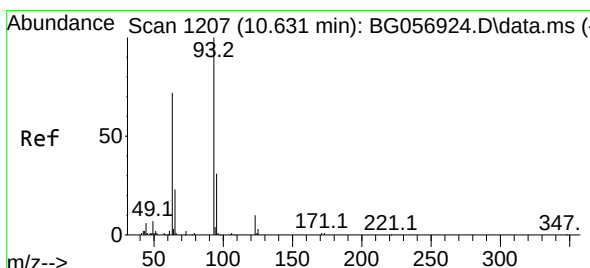
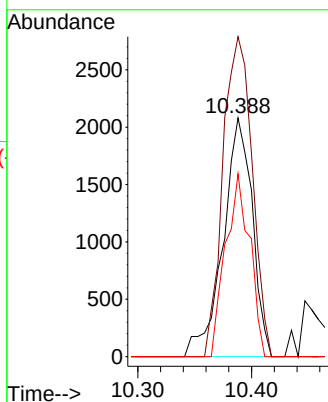
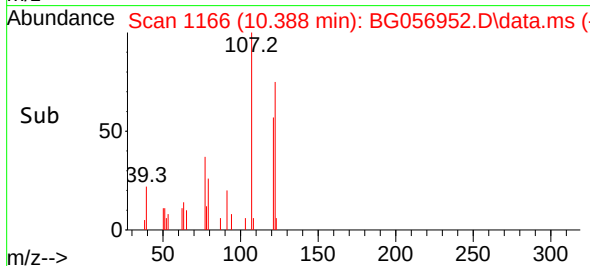
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:122 Resp: 3714
Ion Ratio Lower Upper
122 100
107 134.0 105.7 158.5
121 76.6 48.0 72.0

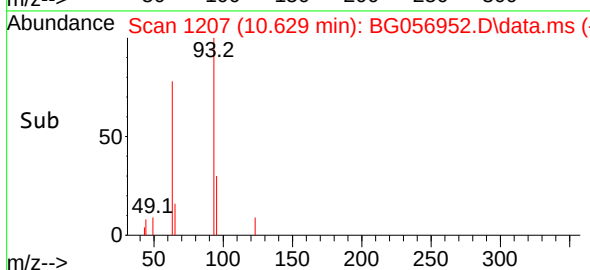
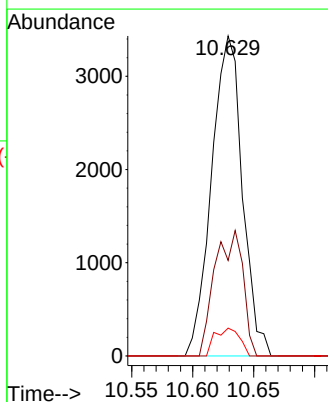
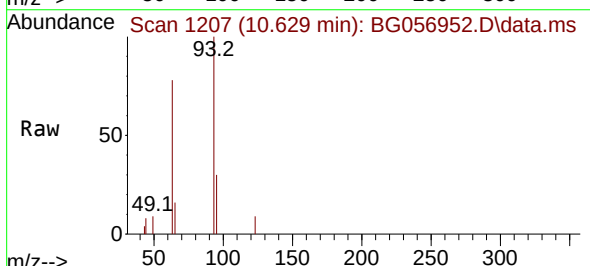
Manual Integrations
APPROVED

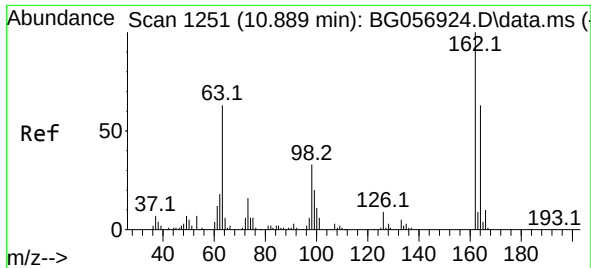
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#28
bis(2-Chloroethoxy)methane
Concen: 3.979 ng
RT: 10.629 min Scan# 1207
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion: 93 Resp: 6034
Ion Ratio Lower Upper
93 100
95 29.9 24.6 37.0
123 8.7 7.8 11.6





#29

2,4-Dichlorophenol

Concen: 3.442 ng

RT: 10.887 min Scan# 1251

Delta R.T. -0.002 min

Lab File: BG056952.D

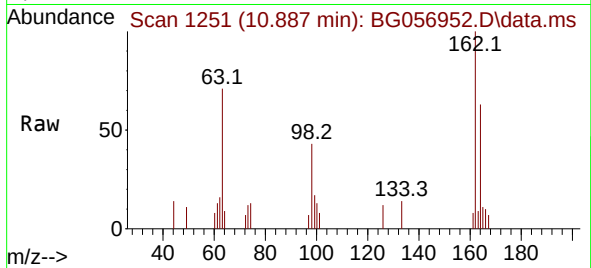
Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023



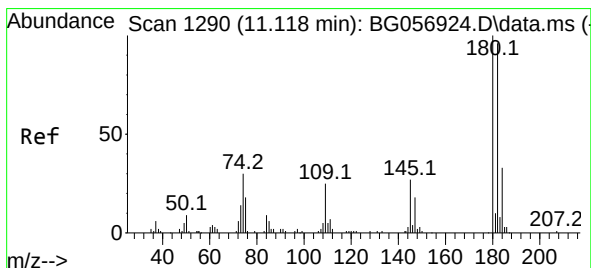
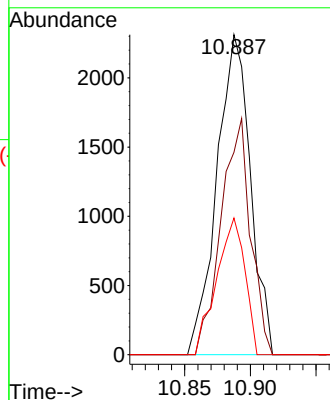
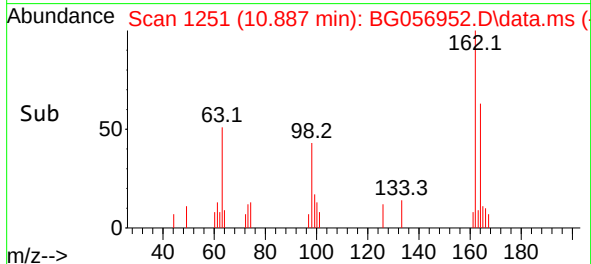
Tgt Ion:	162	Resp:	410
Ion Ratio	Lower	Upper	
162	100		
164	63.3	43.4	83.4
98	42.7	12.5	52.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/04/2023

Supervised By :Jagrut Upadhyay 04/05/2023



#30

1,2,4-Trichlorobenzene

Concen: 4.062 ng

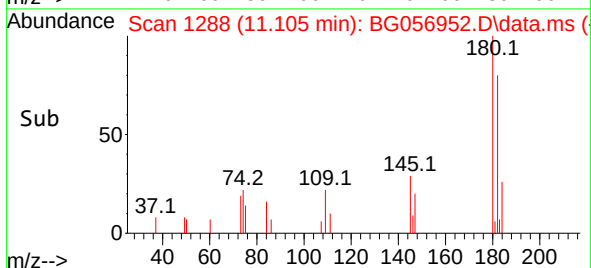
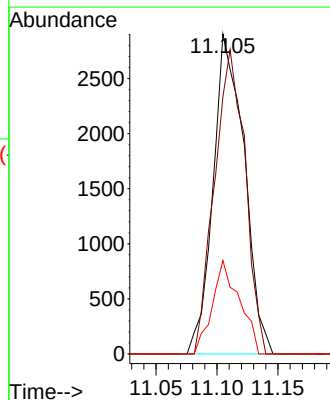
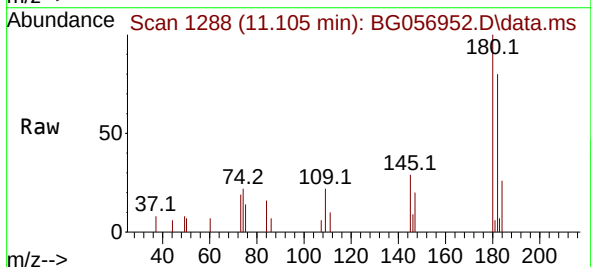
RT: 11.105 min Scan# 1288

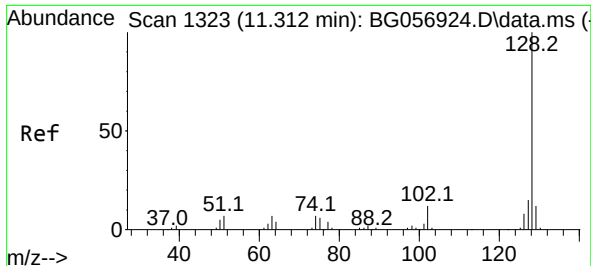
Delta R.T. -0.013 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

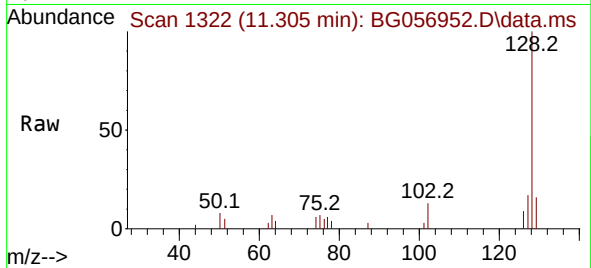
Tgt Ion:	180	Resp:	5144
Ion Ratio	Lower	Upper	
180	100		
182	80.4	77.1	115.7
145	29.2	21.3	31.9





#31
Naphthalene
Concen: 3.805 ng
RT: 11.305 min Scan# 1322
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

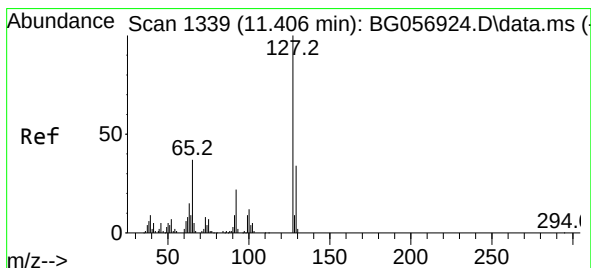
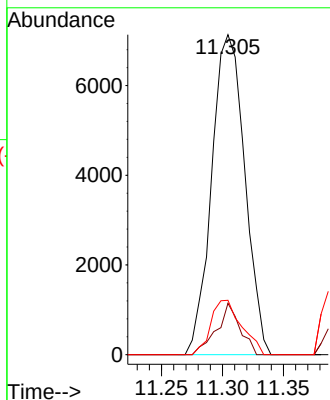
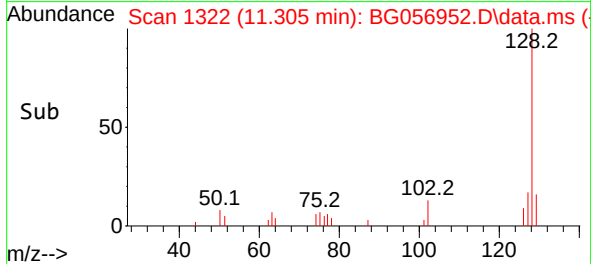
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:128 Resp: 1349
Ion Ratio Lower Upper
128 100
129 16.0 9.4 14.2
127 17.0 12.2 18.4

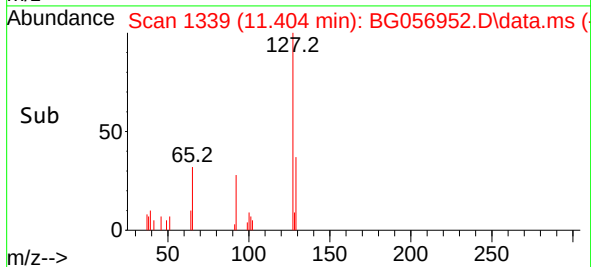
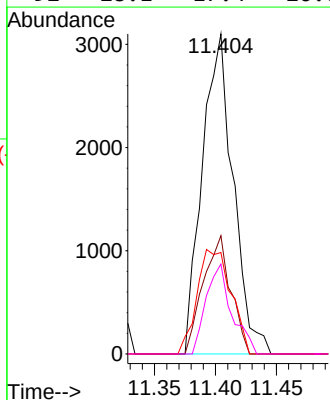
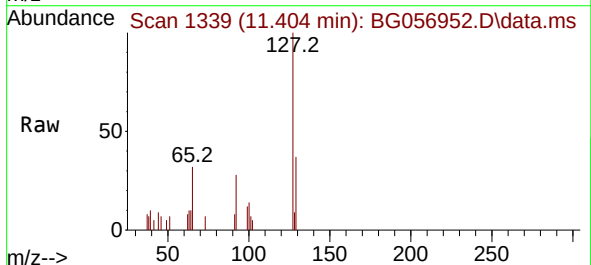
Manual Integrations
APPROVED

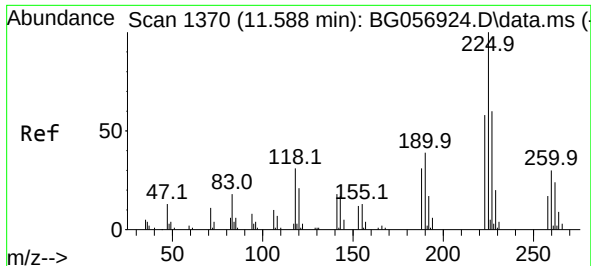
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#33
4-Chloroaniline
Concen: 3.417 ng
RT: 11.404 min Scan# 1339
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

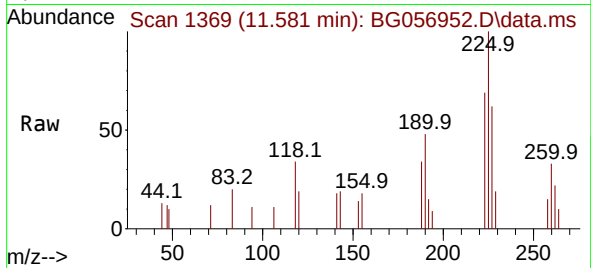
Tgt Ion:127 Resp: 5475
Ion Ratio Lower Upper
127 100
129 37.0 27.6 41.4
65 31.7 29.8 44.8
92 28.1 17.4 26.0#





#34
Hexachlorobutadiene
Concen: 3.943 ng
RT: 11.581 min Scan# 11369
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

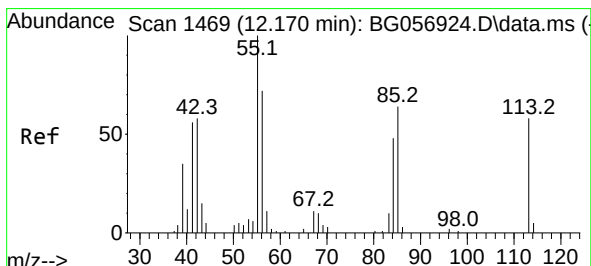
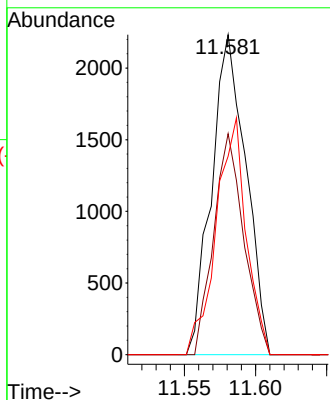
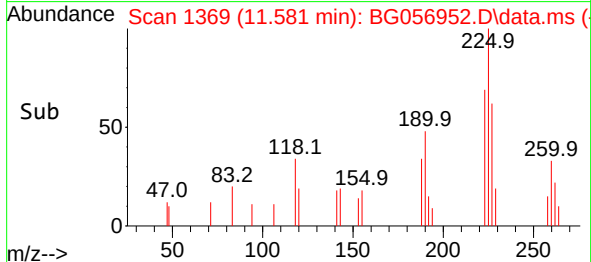
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:225 Resp: 375
Ion Ratio Lower Upper
225 100
223 69.1 46.4 69.6
227 62.0 48.0 72.0

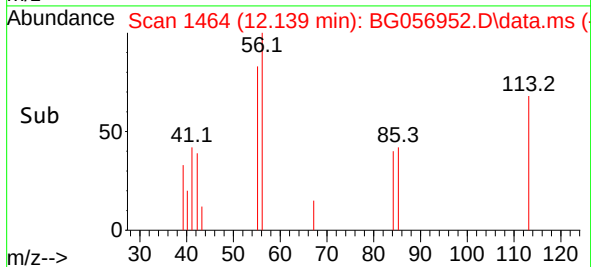
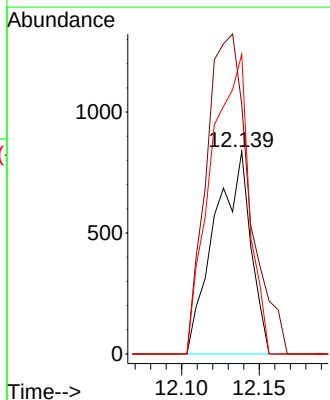
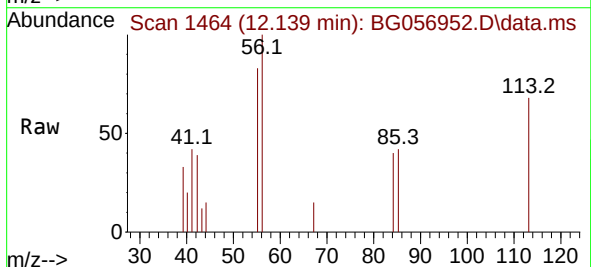
Manual Integrations
APPROVED

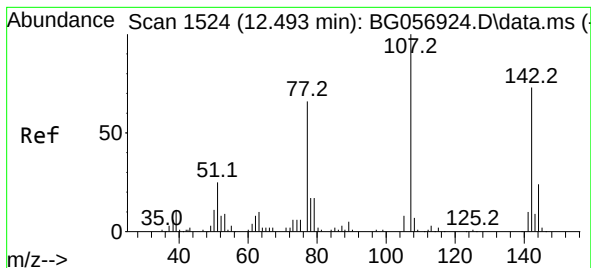
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#35
Caprolactam
Concen: 3.292 ng
RT: 12.139 min Scan# 1464
Delta R.T. -0.031 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

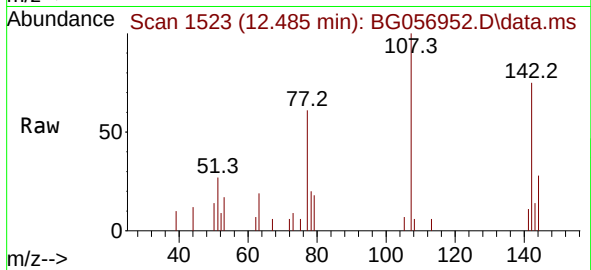
Tgt Ion:113 Resp: 1353
Ion Ratio Lower Upper
113 100
55 123.3 151.6 191.6#
56 148.0 103.7 143.7#





#36
4-Chloro-3-methylphenol
Concen: 3.370 ng
RT: 12.485 min Scan# 1523
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

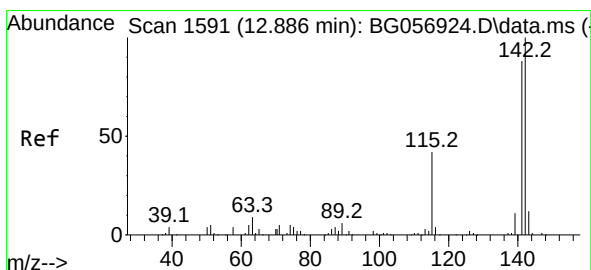
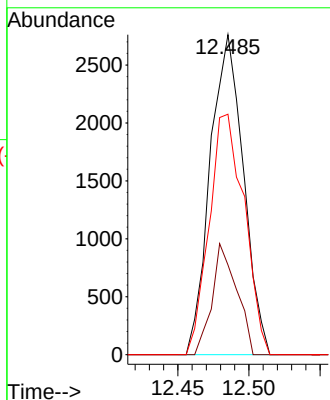
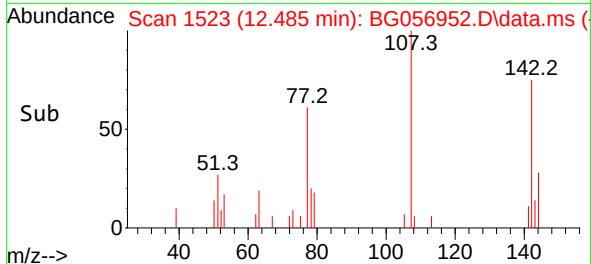
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



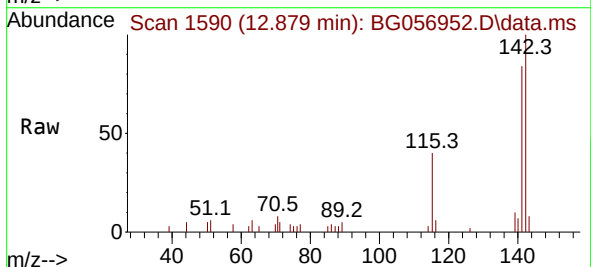
Tgt Ion:107 Resp: 4492
Ion Ratio Lower Upper
107 100
144 28.0 19.0 28.4
142 75.1 58.6 88.0

Manual Integrations
APPROVED

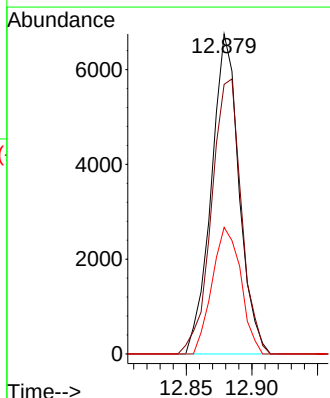
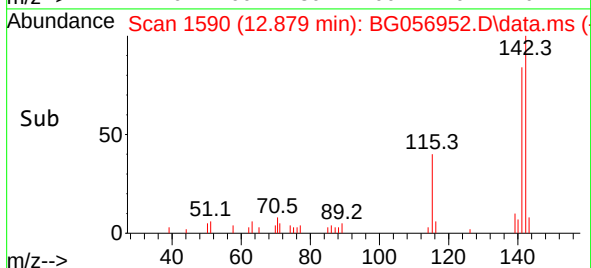
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

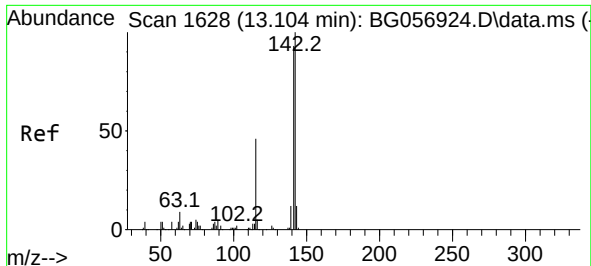


#37
2-Methylnaphthalene
Concen: 3.525 ng
RT: 12.879 min Scan# 1590
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06



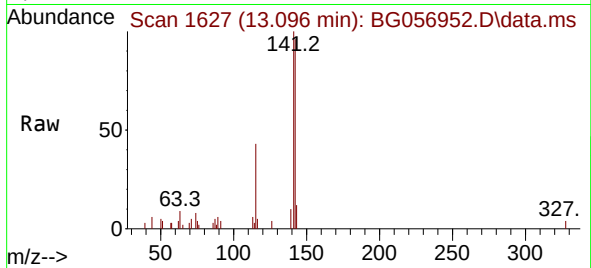
Tgt Ion:142 Resp: 9926
Ion Ratio Lower Upper
142 100
141 84.2 70.3 105.5
115 39.6 33.5 50.3





#38
1-Methylnaphthalene
Concen: 3.700 ng
RT: 13.096 min Scan# 1627
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

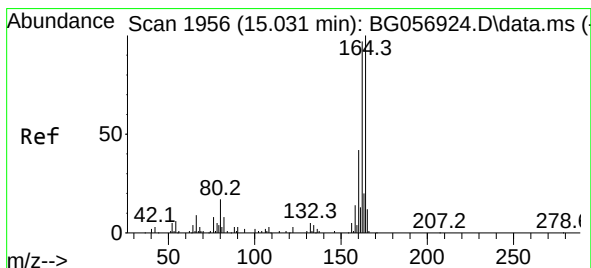
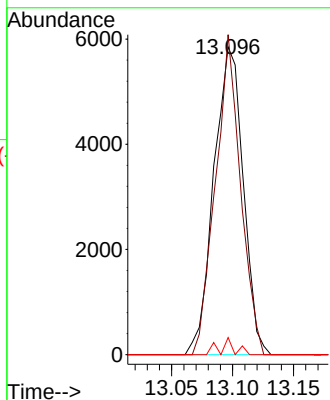
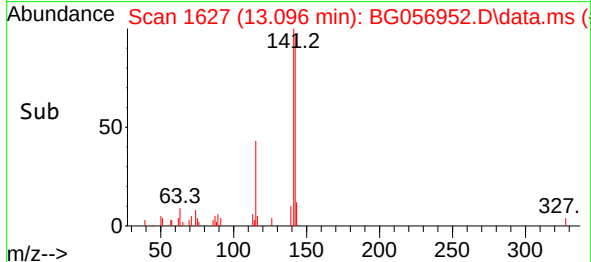
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:142 Resp: 978
Ion Ratio Lower Upper
142 100
141 103.9 74.0 111.0
116 5.6 3.7 5.5

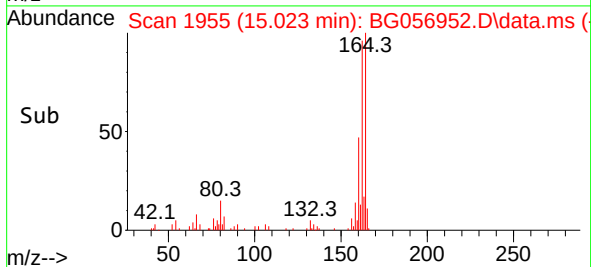
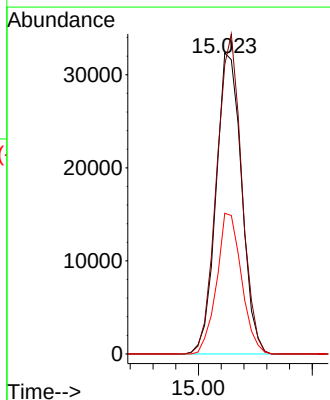
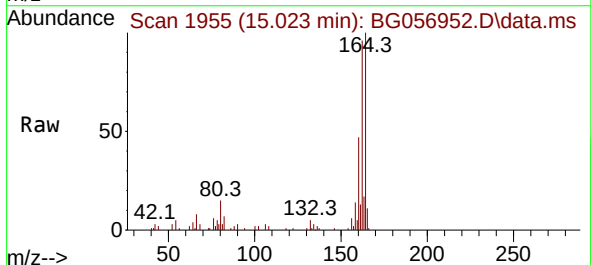
Manual Integrations
APPROVED

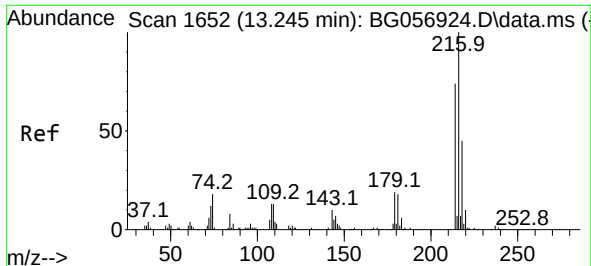
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.023 min Scan# 1955
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

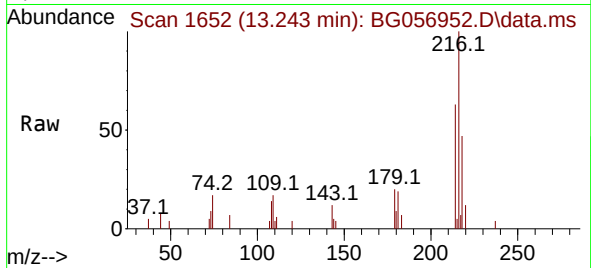
Tgt Ion:164 Resp: 50450
Ion Ratio Lower Upper
164 100
162 96.1 77.8 116.8
160 46.7 33.5 50.3





#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.185 ng
RT: 13.243 min Scan# 1652
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

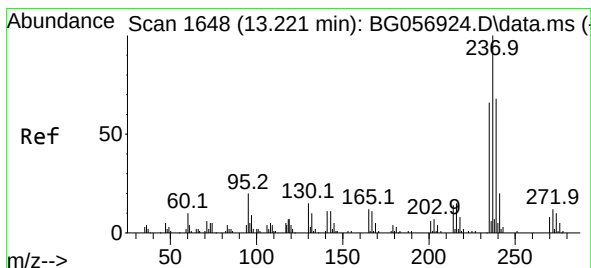
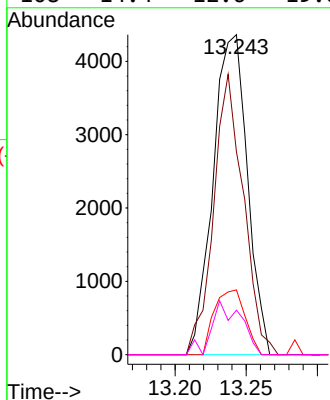
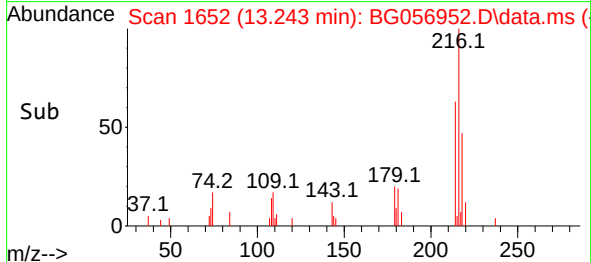
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



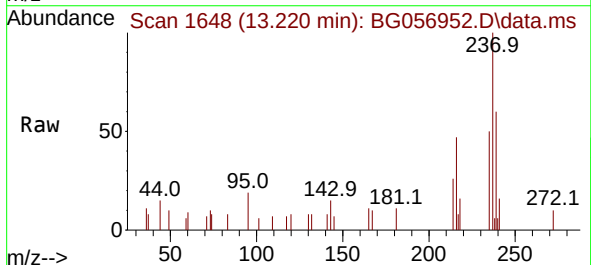
Tgt Ion:216 Resp: 732
Ion Ratio Lower Upper
216 100
214 76.0 63.3 94.9
179 18.2 15.0 22.6
108 14.4 12.6 19.0

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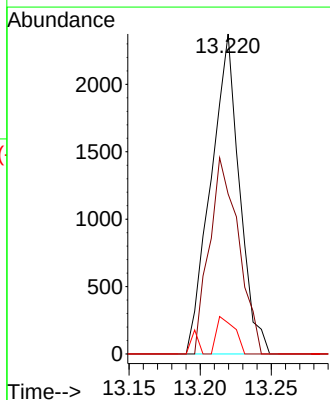
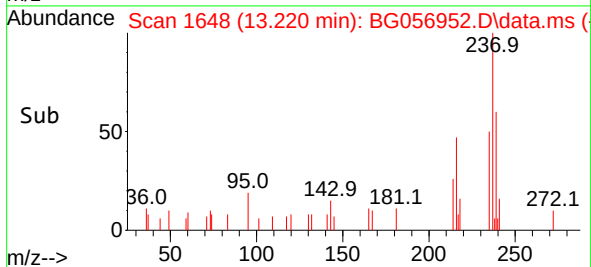
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

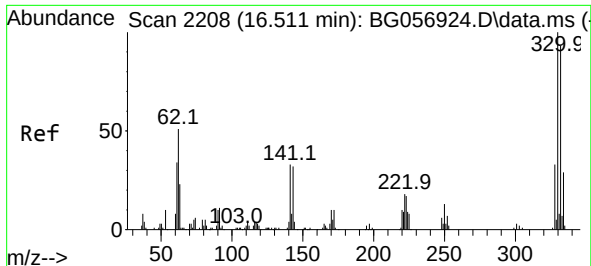


#41
Hexachlorocyclopentadiene
Concen: 3.458 ng
RT: 13.220 min Scan# 1648
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06



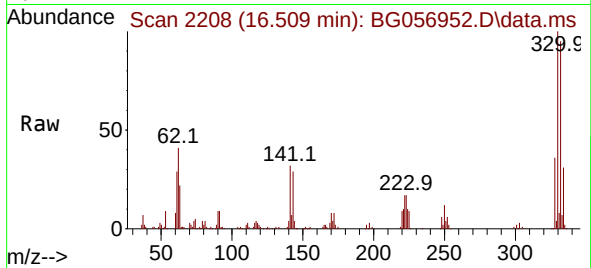
Tgt Ion:237 Resp: 3333
Ion Ratio Lower Upper
237 100
235 50.0 45.9 85.9
272 9.7 0.0 32.3





#42
2,4,6-Tribromophenol
Concen: 111.098 ng
RT: 16.509 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

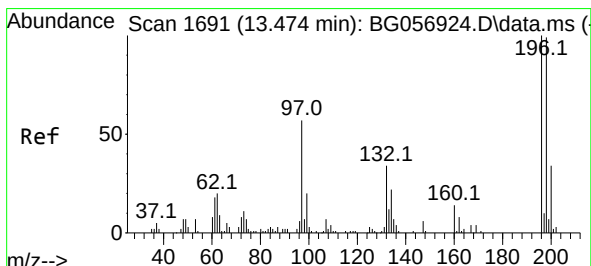
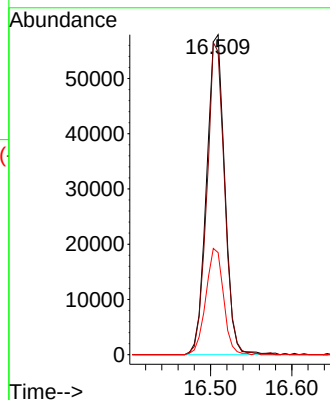
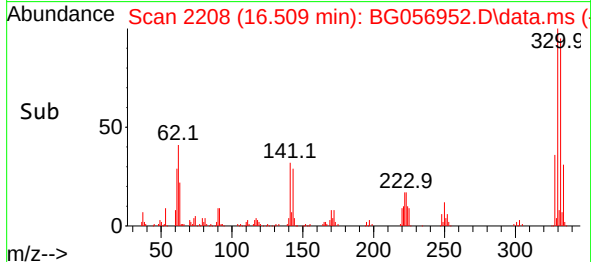
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



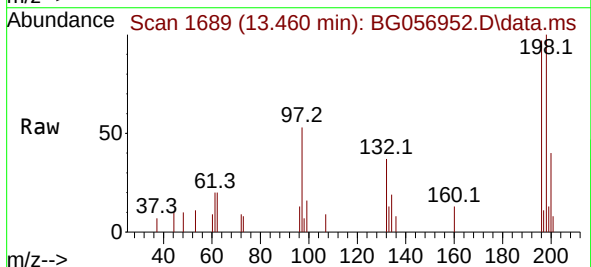
Tgt Ion:330 Resp: 89540
Ion Ratio Lower Upper
330 100
332 95.0 76.1 114.1
141 32.5 25.8 38.6

Manual Integrations
APPROVED

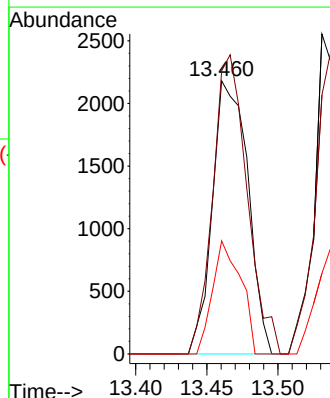
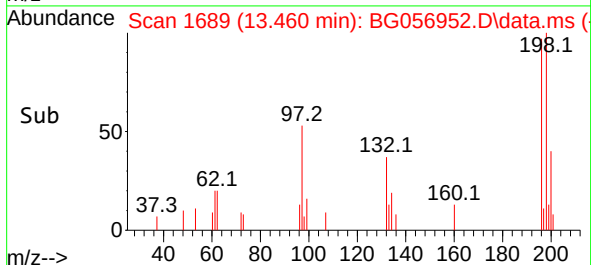
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

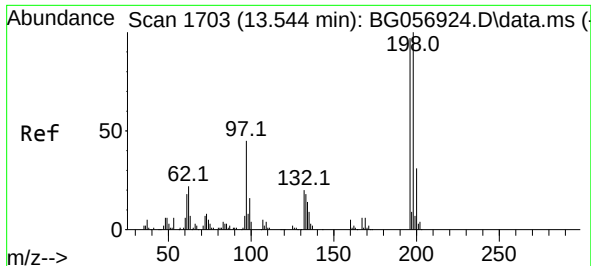


#43
2,4,6-Trichlorophenol
Concen: 3.389 ng
RT: 13.460 min Scan# 1689
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06



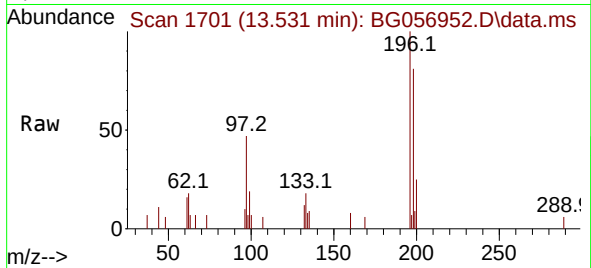
Tgt Ion:196 Resp: 3783
Ion Ratio Lower Upper
196 100
198 103.6 79.1 118.7
200 41.4 27.2 40.8#





#44
2,4,5-Trichlorophenol
Concen: 3.147 ng
RT: 13.531 min Scan# 1701
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

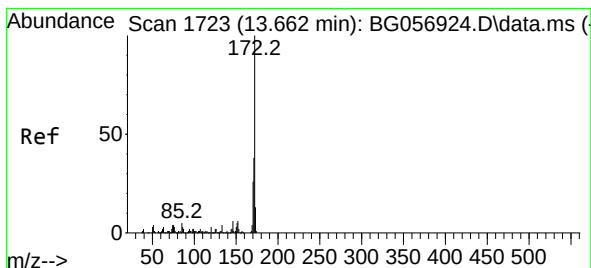
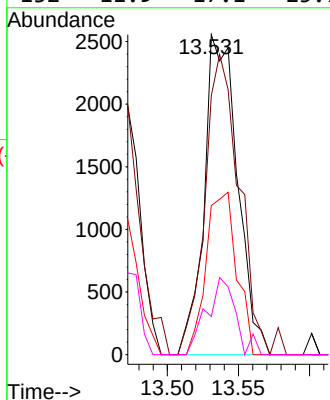
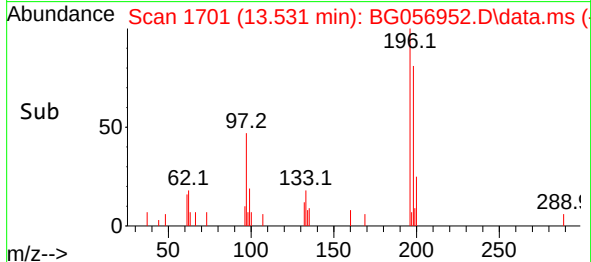
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:196 Resp: 4162
Ion Ratio Lower Upper
196 100
198 80.9 82.5 123.7
97 46.6 37.0 55.6
132 11.9 17.1 25.7#

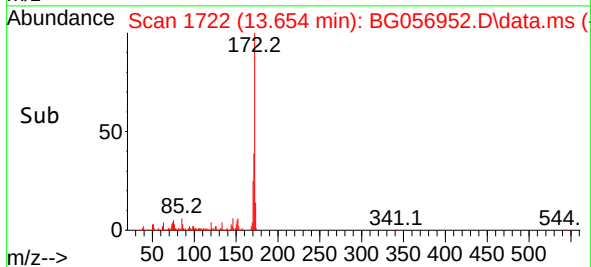
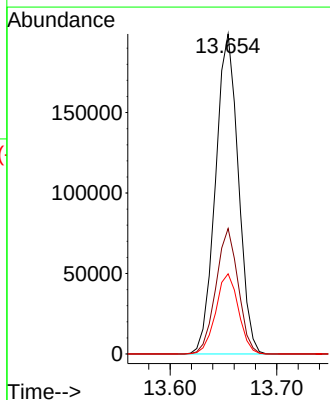
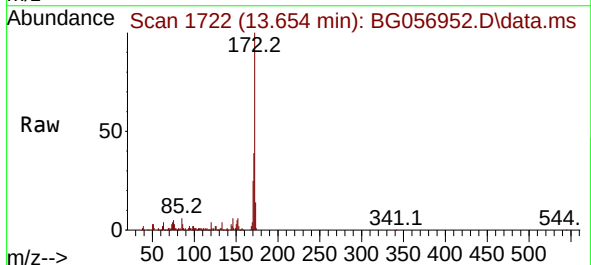
Manual Integrations
APPROVED

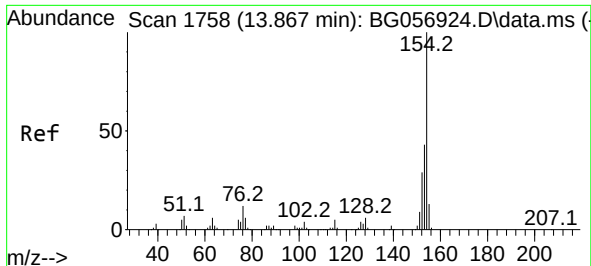
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#45
2-Fluorobiphenyl
Concen: 79.281 ng
RT: 13.654 min Scan# 1722
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

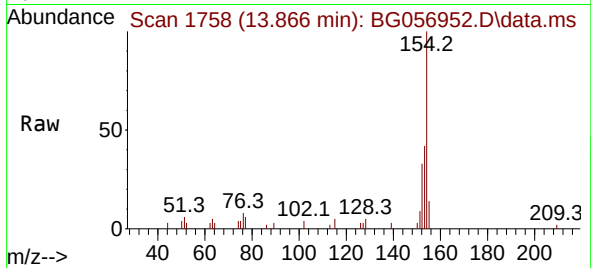
Tgt Ion:172 Resp: 294964
Ion Ratio Lower Upper
172 100
171 39.2 30.6 46.0
170 25.1 20.6 30.8





#46
1,1'-Biphenyl
Concen: 3.986 ng
RT: 13.866 min Scan# 1758
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

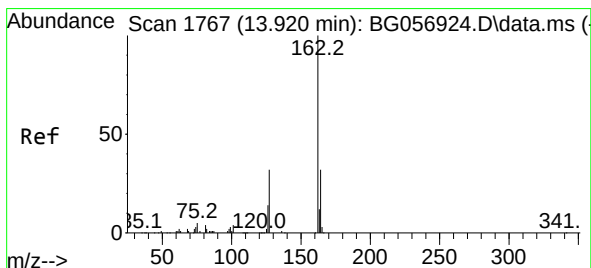
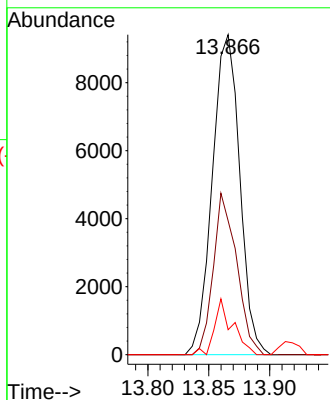
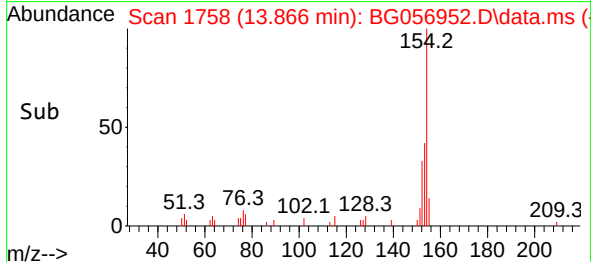
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:154 Resp: 1472
Ion Ratio Lower Upper
154 100
153 41.9 23.4 63.4
76 7.8 0.0 31.6

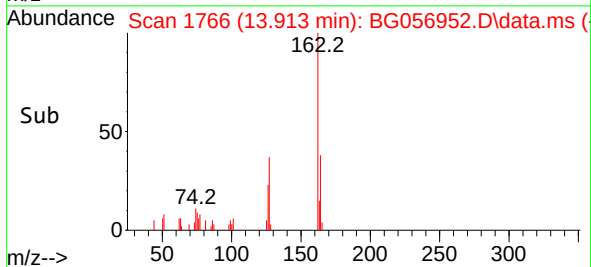
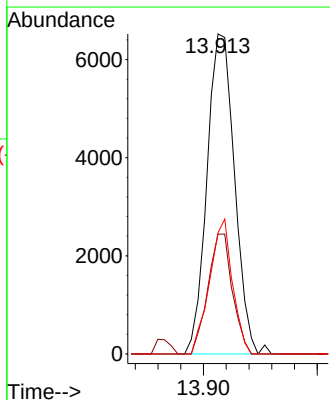
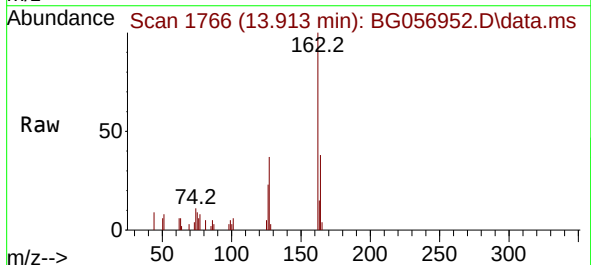
Manual Integrations
APPROVED

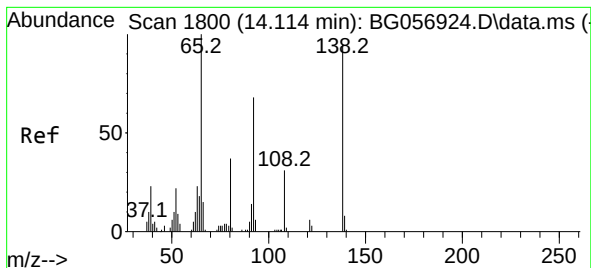
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#47
2-Chloronaphthalene
Concen: 4.028 ng
RT: 13.913 min Scan# 1766
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

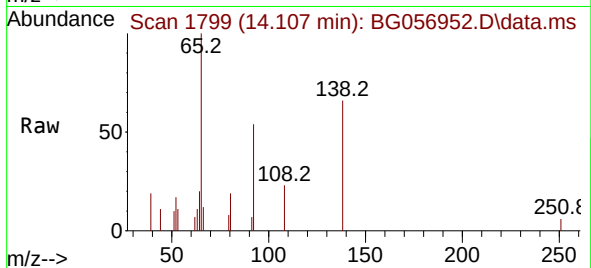
Tgt Ion:162 Resp: 11003
Ion Ratio Lower Upper
162 100
127 37.4 29.5 44.3
164 37.9 25.5 38.3





#48
2-Nitroaniline
Concen: 3.487 ng
RT: 14.107 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

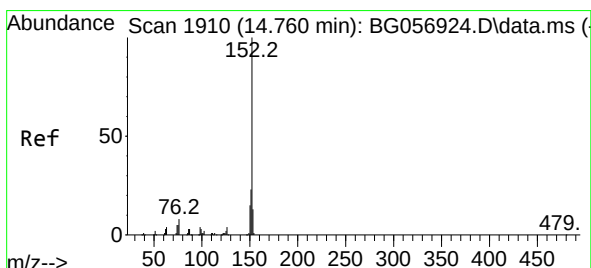
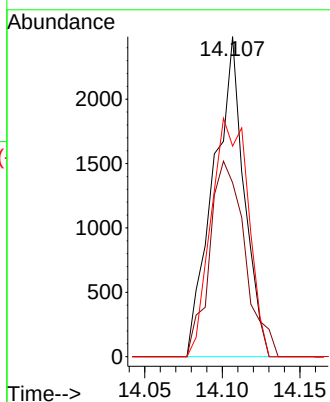
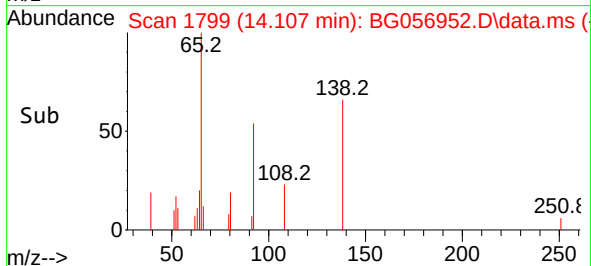
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion: 65 Resp: 3400
Ion Ratio Lower Upper
65 100
92 54.3 54.3 81.5
138 65.8 76.0 114.0

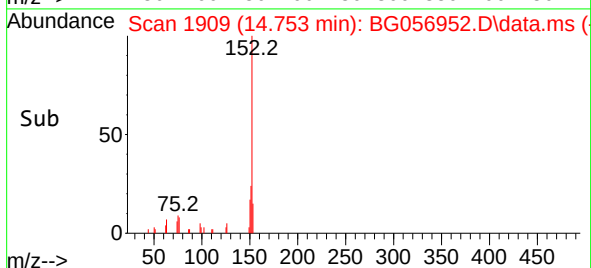
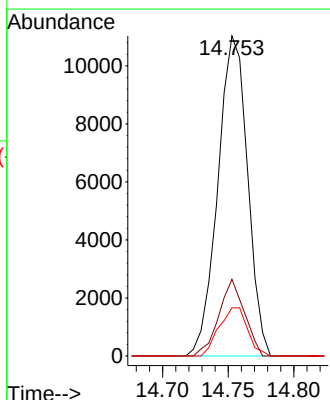
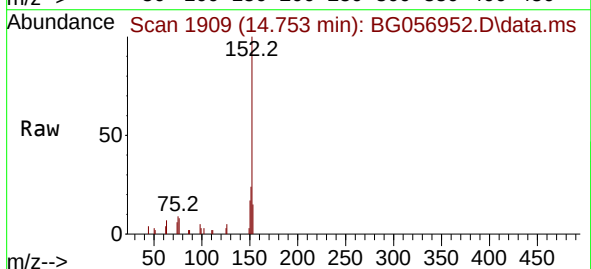
Manual Integrations
APPROVED

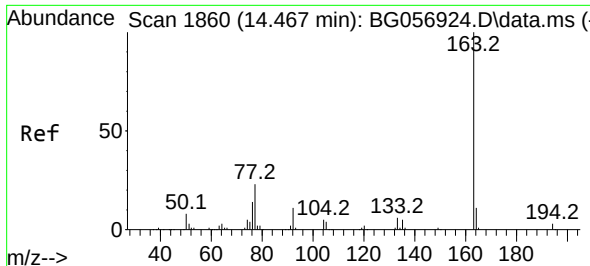
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#49
Acenaphthylene
Concen: 3.867 ng
RT: 14.753 min Scan# 1909
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

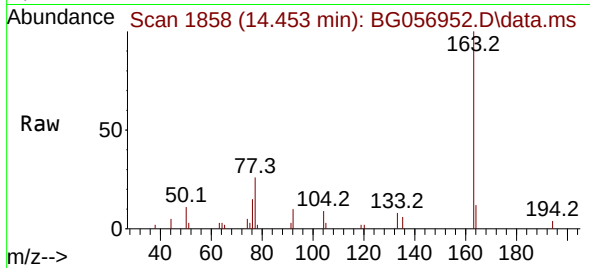
Tgt Ion:152 Resp: 17354
Ion Ratio Lower Upper
152 100
151 24.0 18.2 27.2
153 15.1 10.5 15.7





#50
Dimethylphthalate
Concen: 3.691 ng
RT: 14.453 min Scan# 1858
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

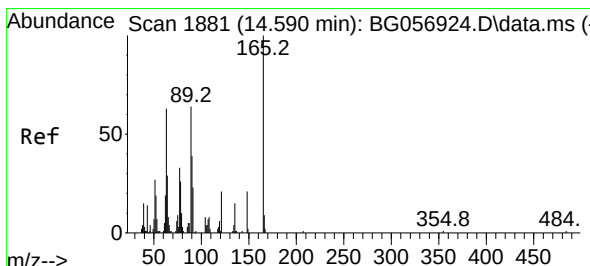
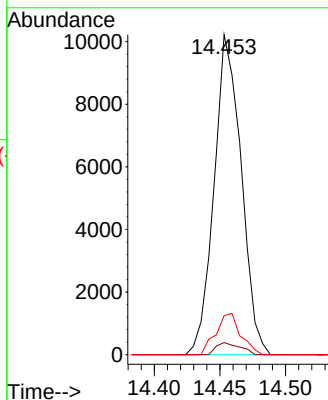
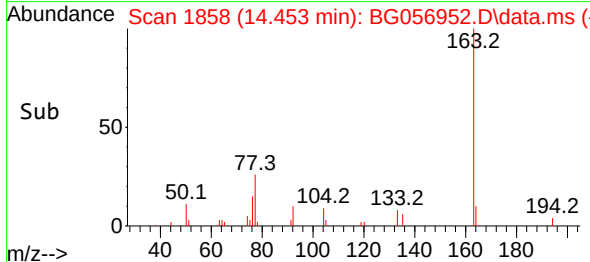
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:163 Resp: 1467
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 12.2 8.8 13.2

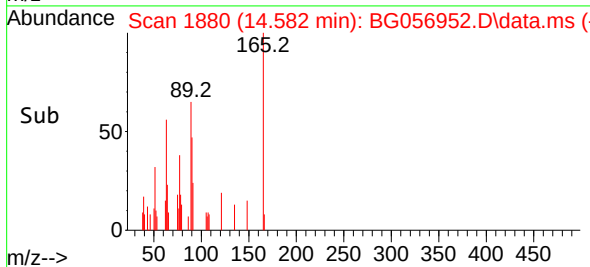
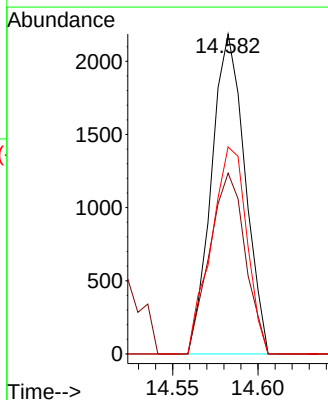
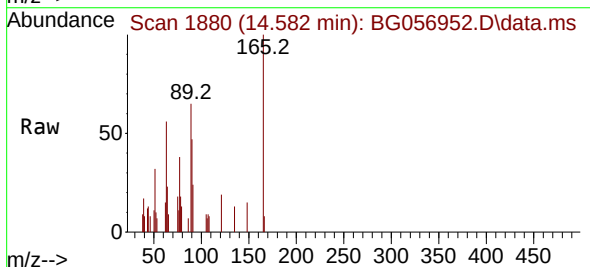
Manual Integrations
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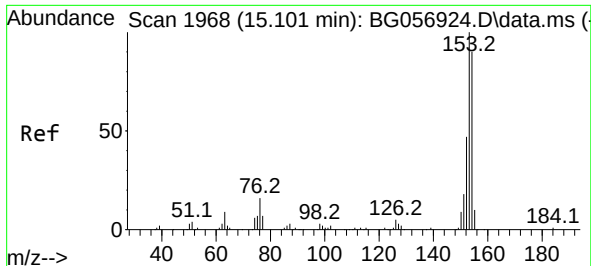
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#51
2,6-Dinitrotoluene
Concen: 3.467 ng
RT: 14.582 min Scan# 1880
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

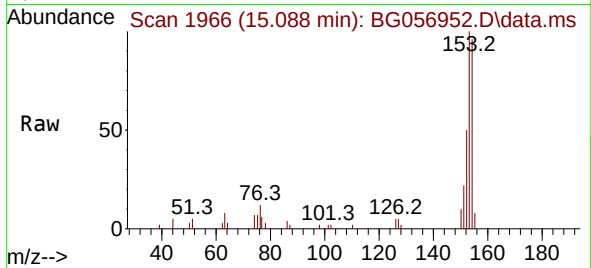
Tgt Ion:165 Resp: 2978
Ion Ratio Lower Upper
165 100
63 56.5 53.0 79.6
89 64.7 51.0 76.4





#52
Acenaphthene
Concen: 3.820 ng
RT: 15.088 min Scan# 1966
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

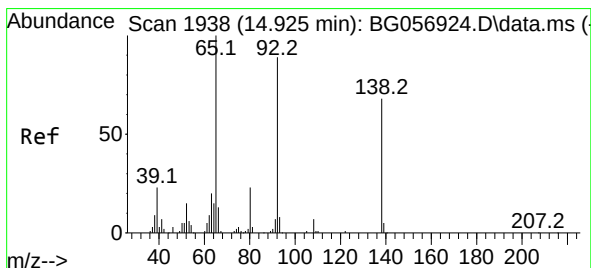
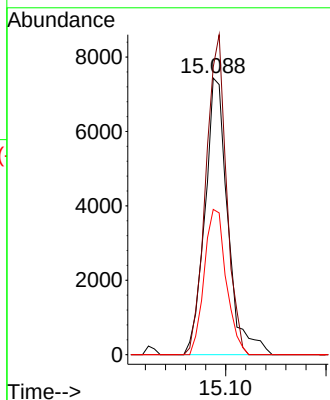
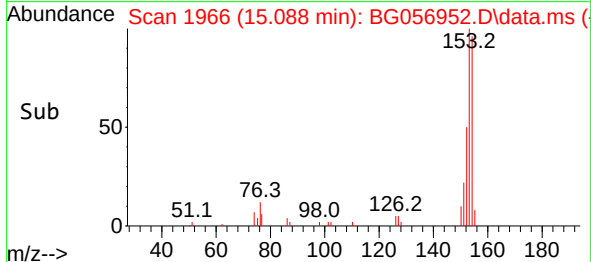
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:154 Resp: 1182
Ion Ratio Lower Upper
154 100
153 104.0 88.9 133.3
152 52.5 41.8 62.8

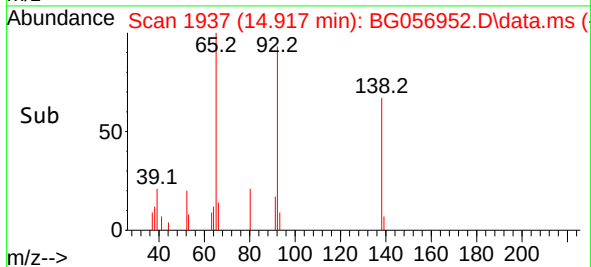
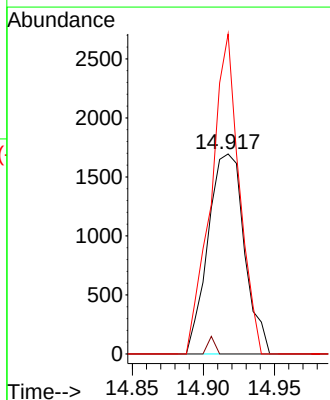
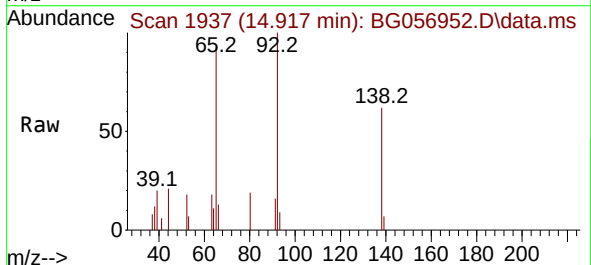
Manual Integrations
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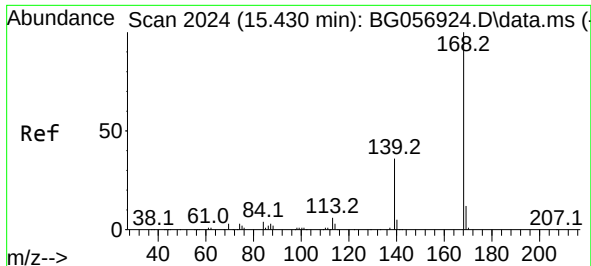
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#53
3-Nitroaniline
Concen: 3.550 ng
RT: 14.917 min Scan# 1937
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

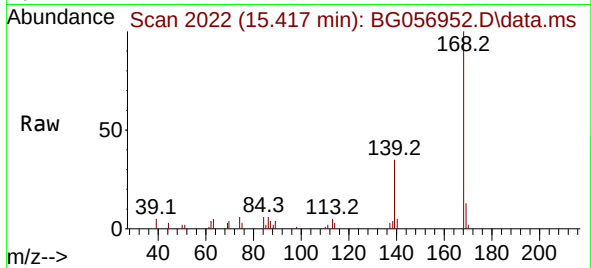
Tgt Ion:138 Resp: 3018
Ion Ratio Lower Upper
138 100
108 0.0 8.2 12.2#
92 160.0 105.2 157.8#





#55
Dibenzenofuran
Concen: 3.909 ng
RT: 15.417 min Scan# 2024
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

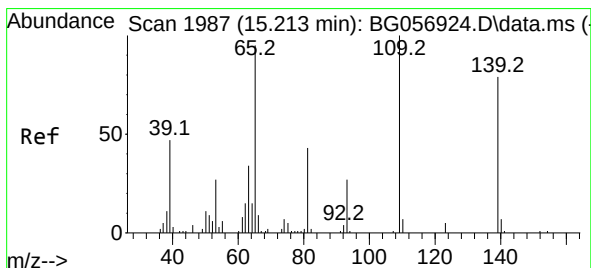
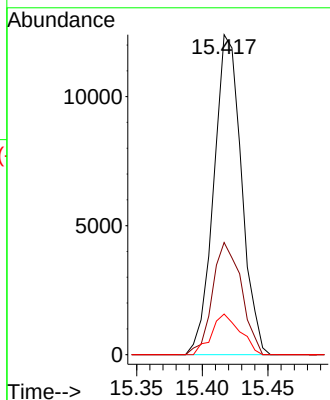
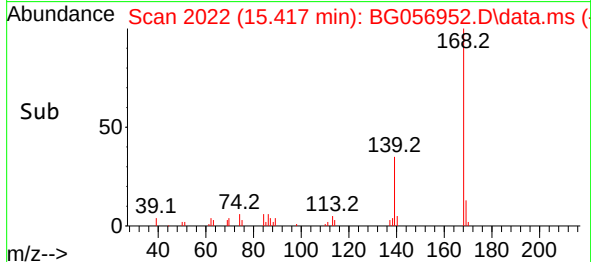
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:168 Resp: 1815
Ion Ratio Lower Upper
168 100
139 35.1 28.9 43.3
169 12.7 9.8 14.6

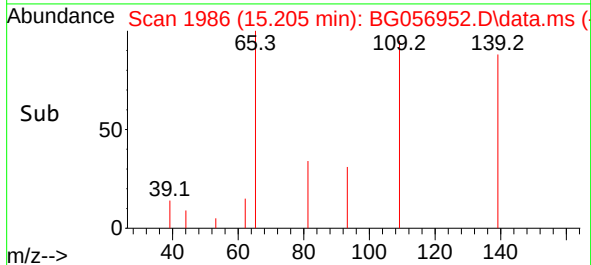
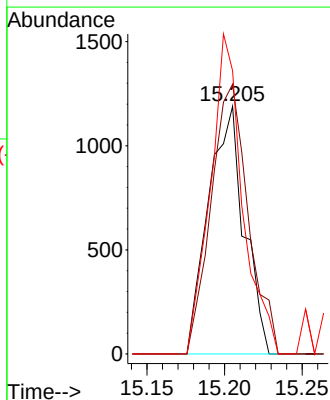
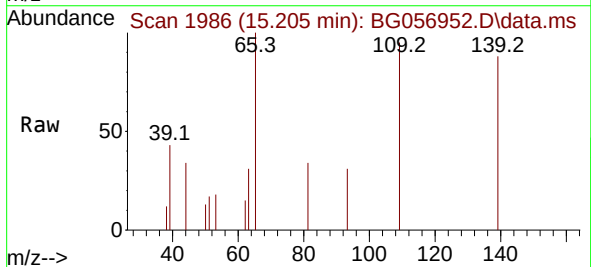
Manual Integrations
APPROVED

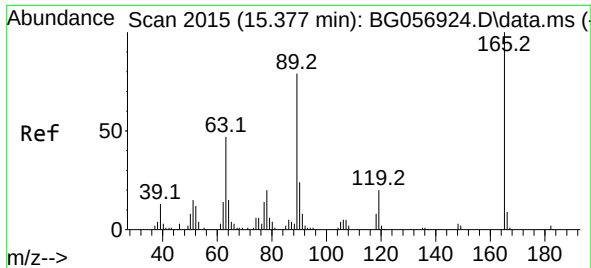
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#56
4-Nitrophenol
Concen: 3.035 ng
RT: 15.205 min Scan# 1986
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

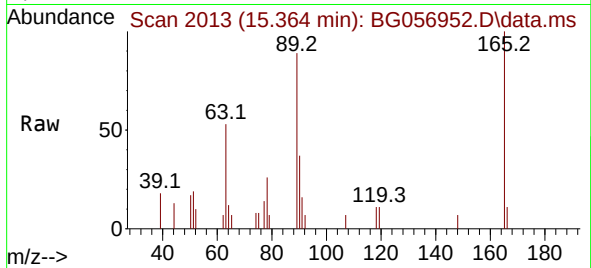
Tgt Ion:139 Resp: 1908
Ion Ratio Lower Upper
139 100
109 108.9 106.7 146.7
65 114.3 100.5 140.5





#57
2,4-Dinitrotoluene
Concen: 3.375 ng
RT: 15.364 min Scan# 2013
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

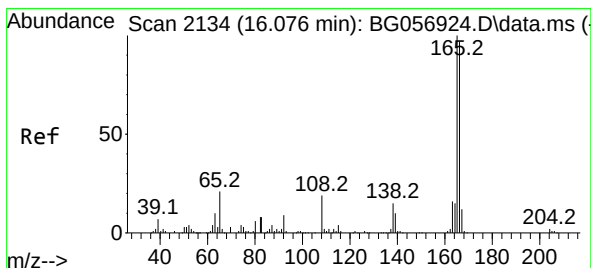
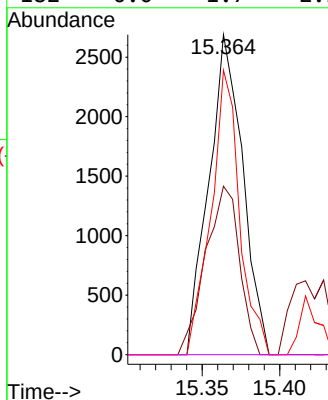
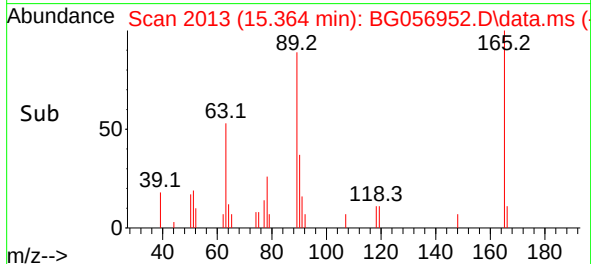
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:165 Resp: 4088
Ion Ratio Lower Upper
165 100
63 52.6 37.7 56.5
89 88.9 63.2 94.8
182 0.0 1.7 2.5#

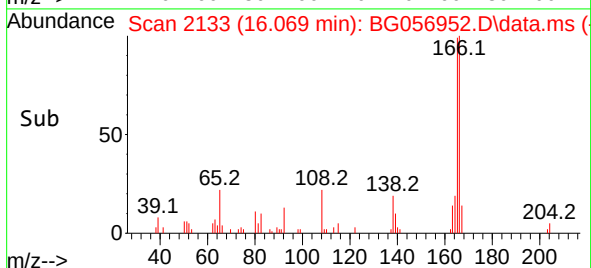
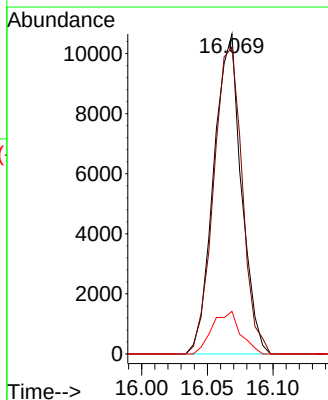
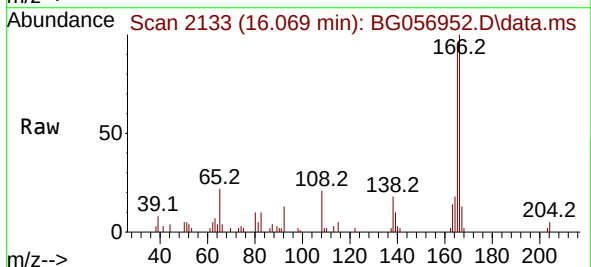
Manual Integrations
APPROVED

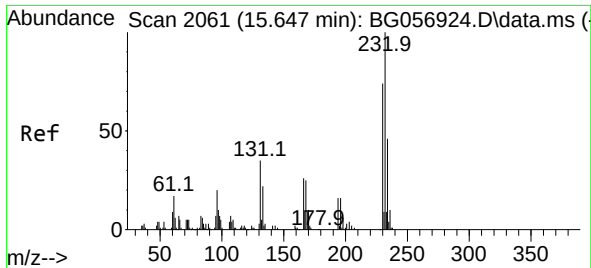
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#58
Fluorene
Concen: 4.053 ng
RT: 16.069 min Scan# 2133
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

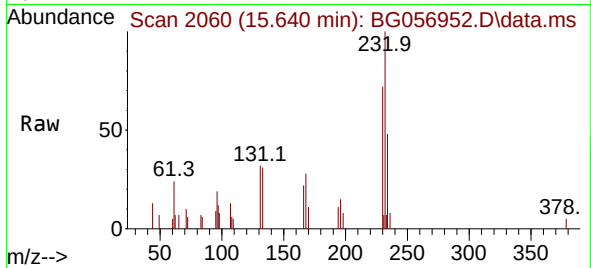
Tgt Ion:166 Resp: 15580
Ion Ratio Lower Upper
166 100
165 95.8 82.6 123.8
167 13.3 10.2 15.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.406 ng
RT: 15.640 min Scan# 2061
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

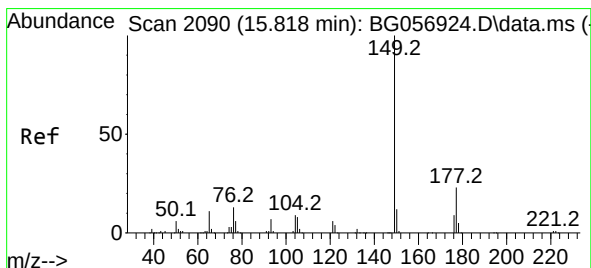
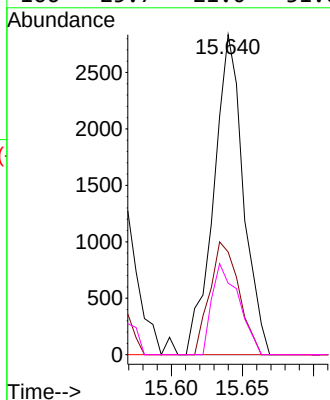
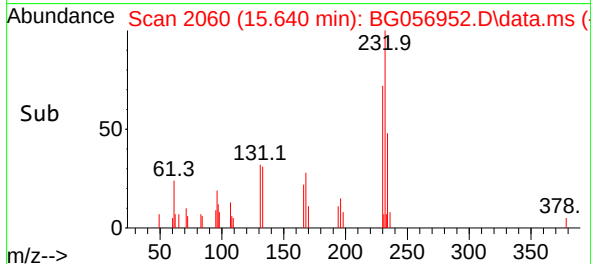
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:232 Resp: 410
Ion Ratio Lower Upper
232 100
131 34.7 29.3 43.9
130 0.0 1.7 2.5
166 25.7 21.0 31.6

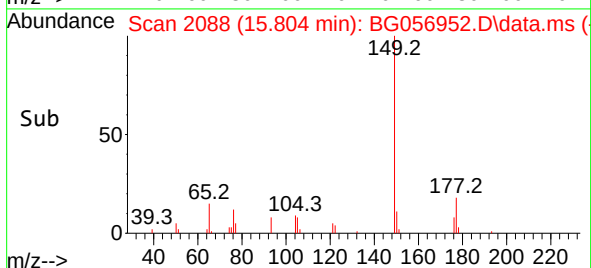
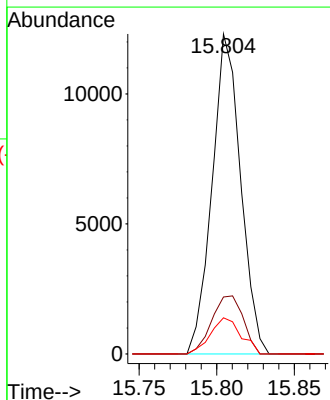
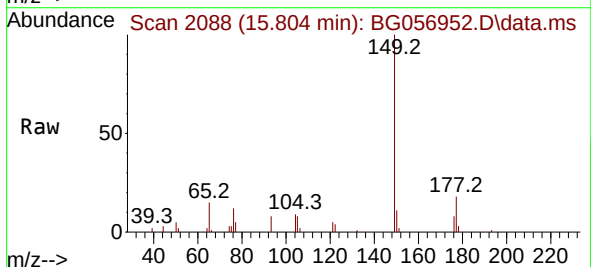
Manual Integrations
APPROVED

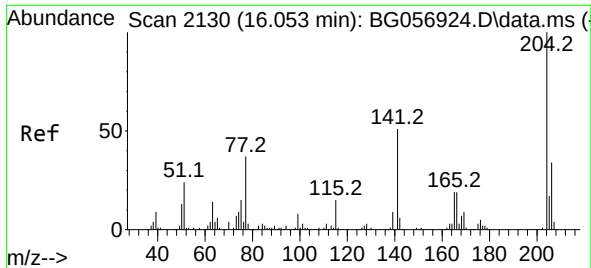
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#60
Diethylphthalate
Concen: 3.939 ng
RT: 15.804 min Scan# 2088
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

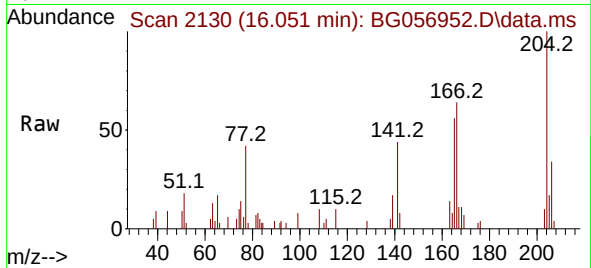
Tgt Ion:149 Resp: 15698
Ion Ratio Lower Upper
149 100
177 17.8 18.8 28.2#
150 11.3 9.4 14.2





#61
4-Chlorophenyl-phenylether
Concen: 3.838 ng
RT: 16.051 min Scan# 2130
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

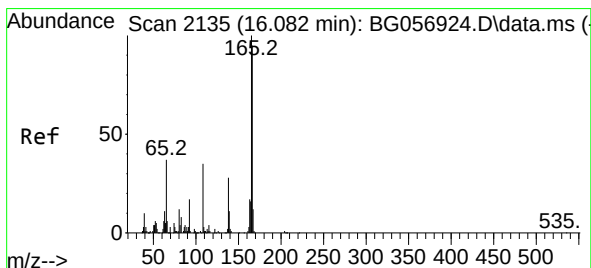
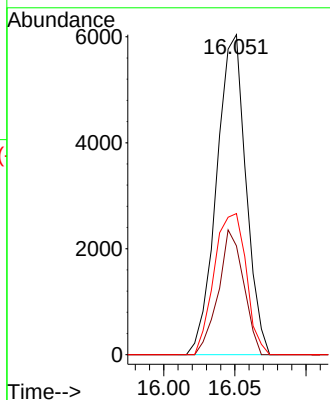
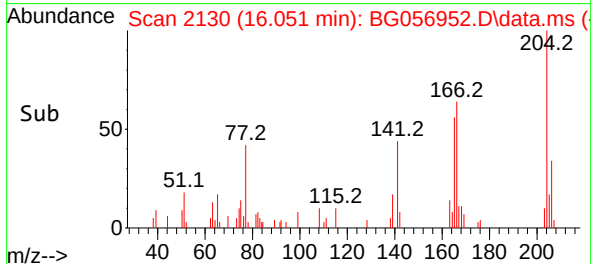
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:204 Resp: 866
Ion Ratio Lower Upper
204 100
206 34.0 27.2 40.8
141 44.1 40.7 61.1

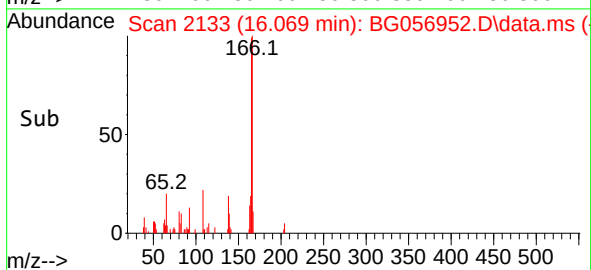
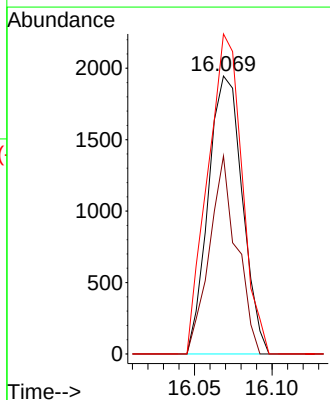
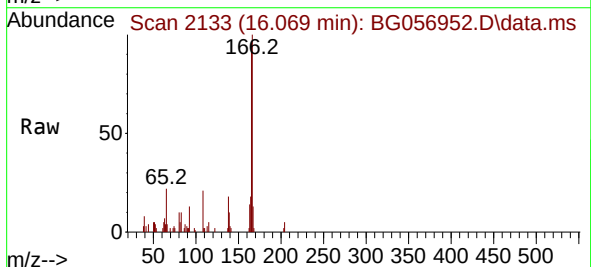
Manual Integrations
APPROVED

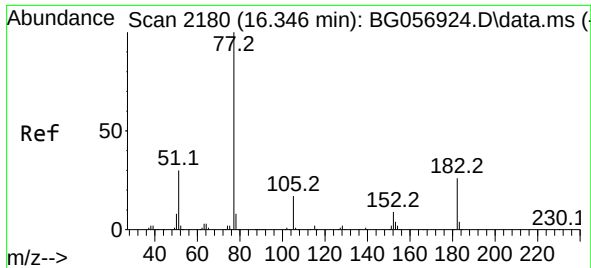
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#62
4-Nitroaniline
Concen: 3.369 ng
RT: 16.069 min Scan# 2133
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

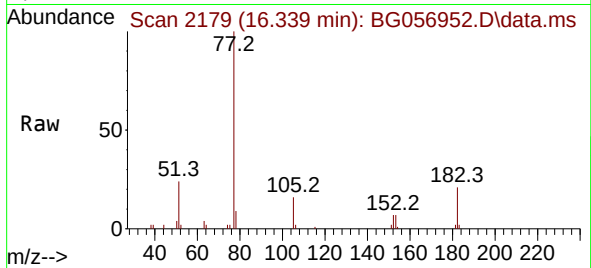
Tgt Ion:138 Resp: 2967
Ion Ratio Lower Upper
138 100
92 71.2 40.9 80.9
108 115.1 104.3 144.3





#63
Azobenzene
Concen: 3.908 ng
RT: 16.339 min Scan# 2180
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

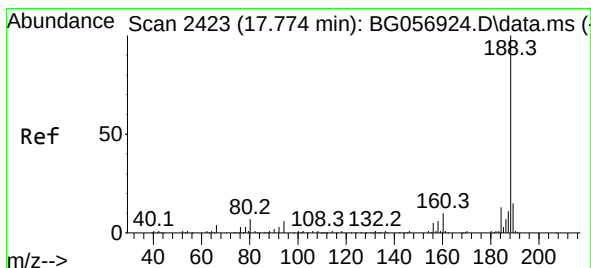
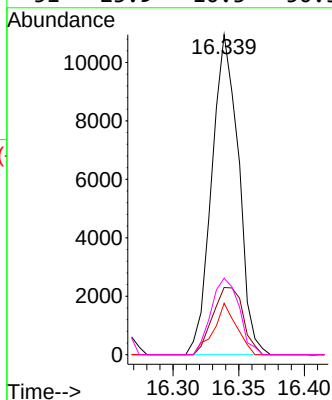
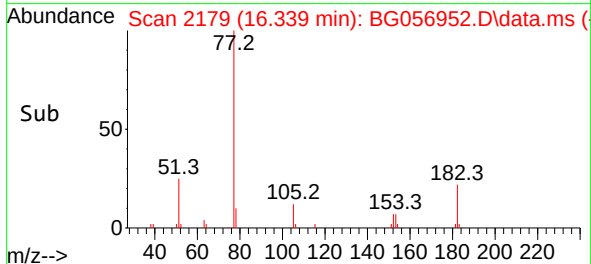
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion: 77 Resp: 15519
Ion Ratio Lower Upper
77 100
182 21.0 5.9 45.9
105 16.0 0.0 36.8
51 23.9 10.3 50.3

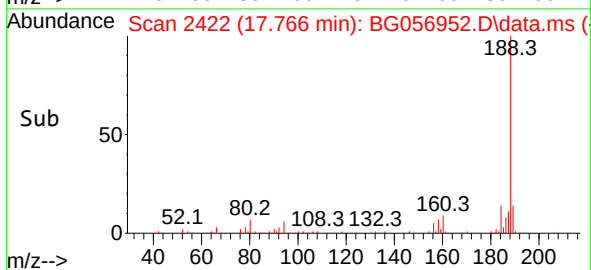
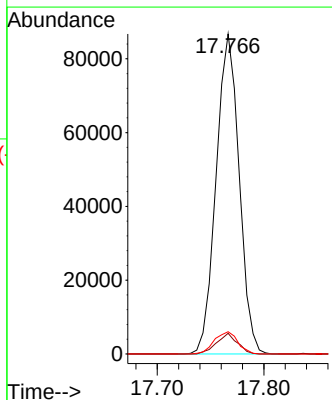
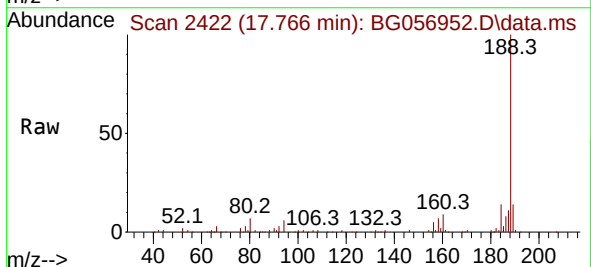
Manual Integrations
APPROVED

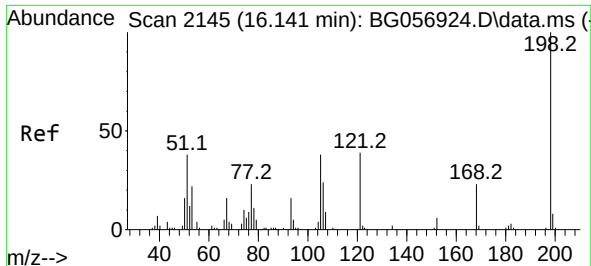
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.766 min Scan# 2422
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

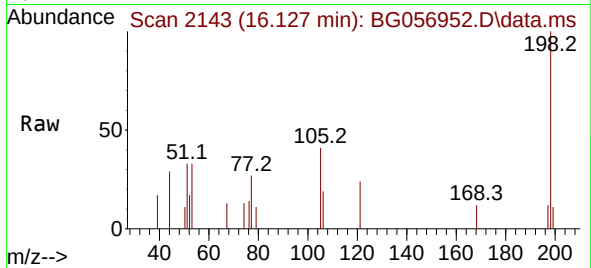
Tgt Ion:188 Resp: 129918
Ion Ratio Lower Upper
188 100
94 6.5 4.6 6.8
80 7.0 5.5 8.3





#65
4,6-Dinitro-2-methylphenol
Concen: 2.755 ng
RT: 16.127 min Scan# 2143
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

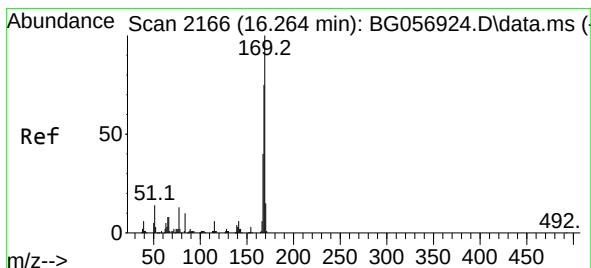
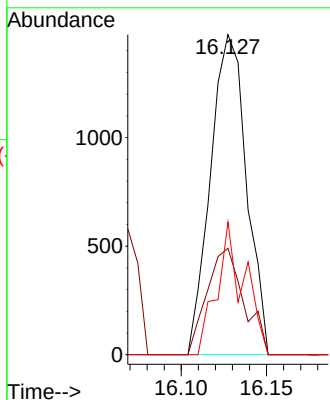
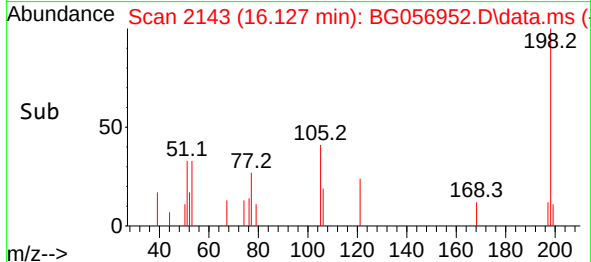
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:198 Resp: 2168
Ion Ratio Lower Upper
198 100
51 33.2 20.5 60.5
105 41.5 18.1 58.1

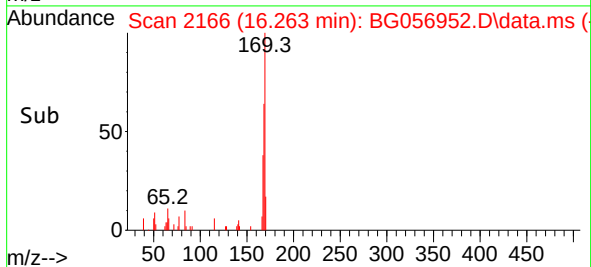
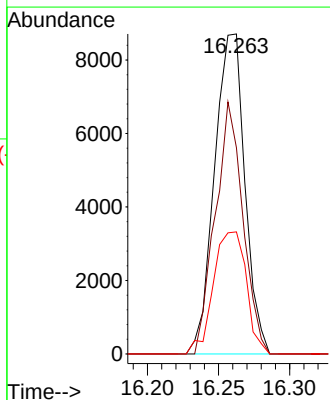
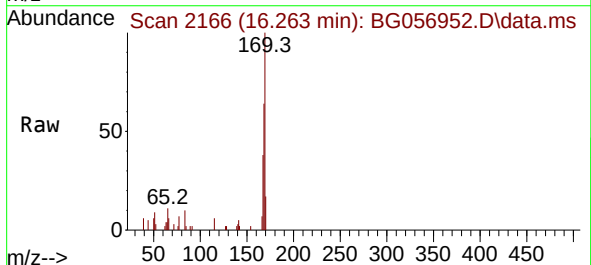
Manual Integrations
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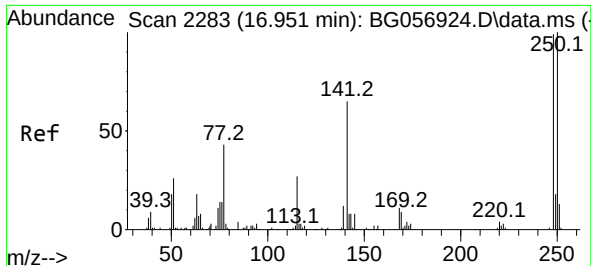
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#66
n-Nitrosodiphenylamine
Concen: 3.718 ng
RT: 16.263 min Scan# 2166
Delta R.T. -0.002 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

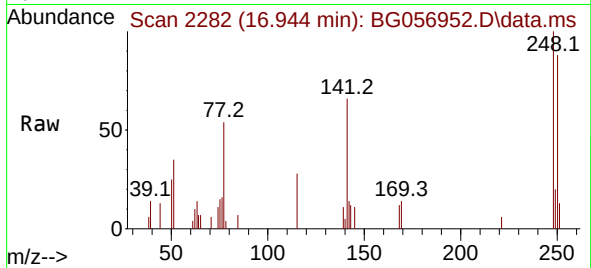
Tgt Ion:169 Resp: 12965
Ion Ratio Lower Upper
169 100
168 64.4 59.6 89.4
167 38.1 31.8 47.8





#67
4-Bromophenyl-phenylether
Concen: 3.418 ng
RT: 16.944 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

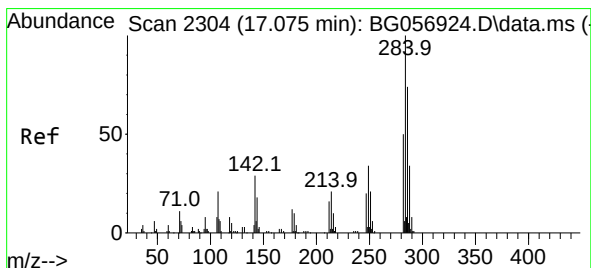
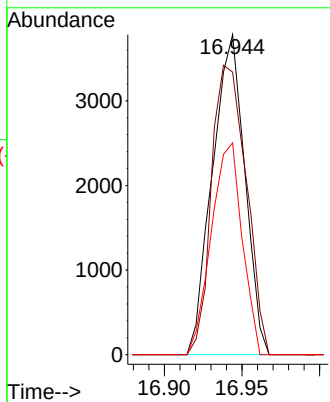
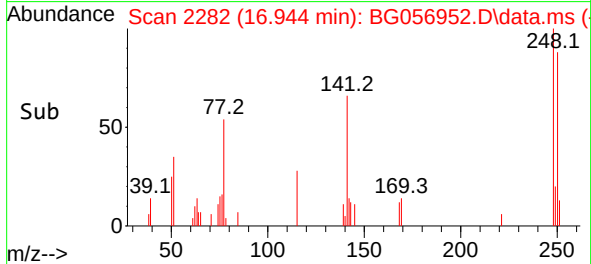
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:248 Resp: 549
Ion Ratio Lower Upper
248 100
250 88.3 80.5 120.7
141 66.2 52.0 78.0

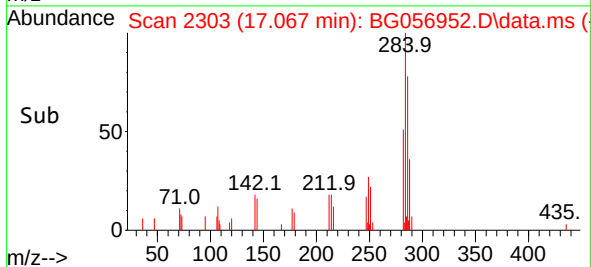
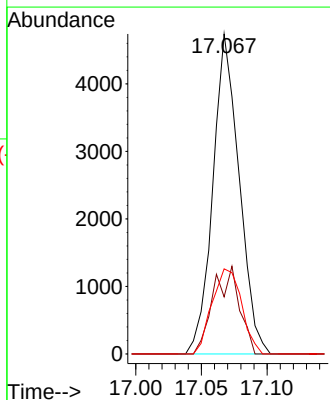
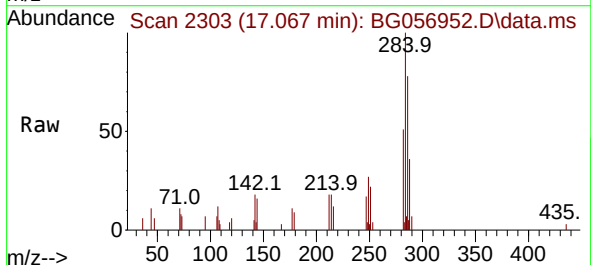
Manual Integrations
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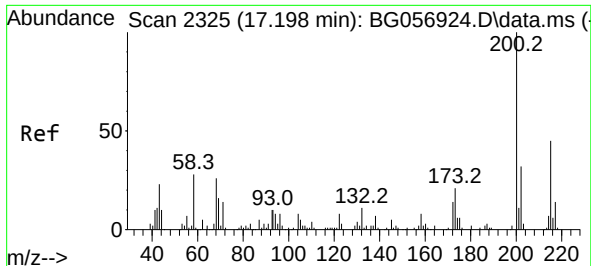
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#68
Hexachlorobenzene
Concen: 4.155 ng
RT: 17.067 min Scan# 2303
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

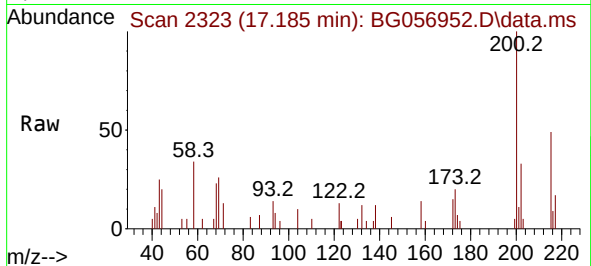
Tgt Ion:284 Resp: 6603
Ion Ratio Lower Upper
284 100
142 17.9 23.0 34.4#
249 26.6 27.1 40.7#





#69
 Atrazine
 Concen: 3.991 ng
 RT: 17.185 min Scan# 21
 Delta R.T. -0.013 min
 Lab File: BG056952.D
 Acq: 3 Apr 2023 11:06

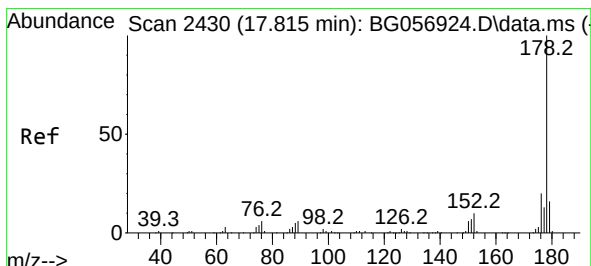
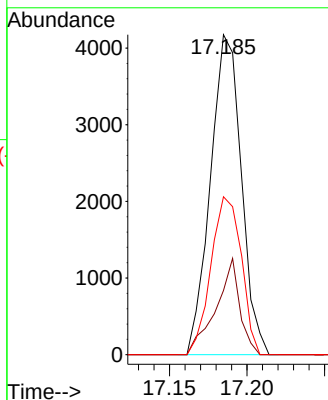
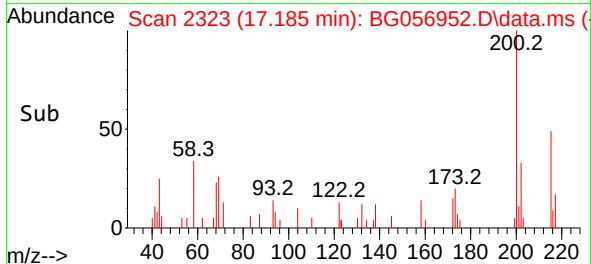
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2023



Tgt Ion:200 Resp: 5778
 Ion Ratio Lower Upper
 200 100
 173 20.1 1.0 41.0
 215 49.4 25.0 65.0

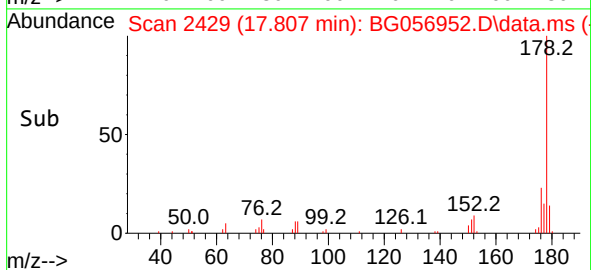
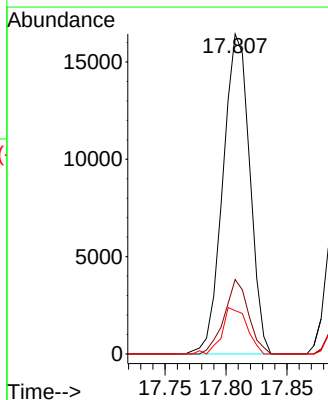
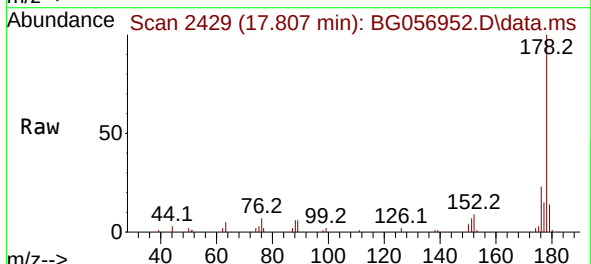
Manual Integrations
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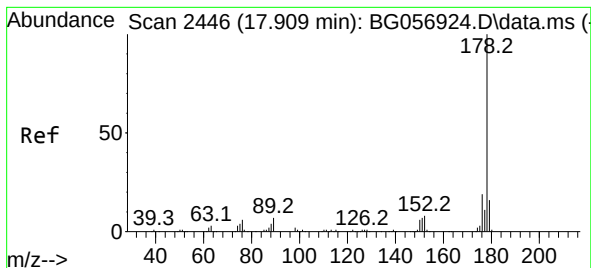
Reviewed By :Christian Giraldo 04/04/2023
 Supervised By :Jagrut Upadhyay 04/05/2023



#71
 Phenanthrene
 Concen: 3.794 ng
 RT: 17.807 min Scan# 2429
 Delta R.T. -0.008 min
 Lab File: BG056952.D
 Acq: 3 Apr 2023 11:06

Tgt Ion:178 Resp: 25132
 Ion Ratio Lower Upper
 178 100
 176 23.2 16.2 24.2
 179 13.6 12.5 18.7





#72

Anthracene

Concen: 3.821 ng

RT: 17.901 min Scan# 2445

Delta R.T. -0.007 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

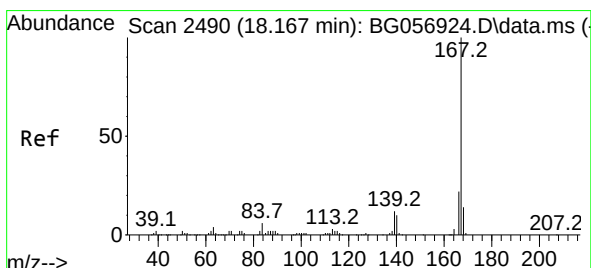
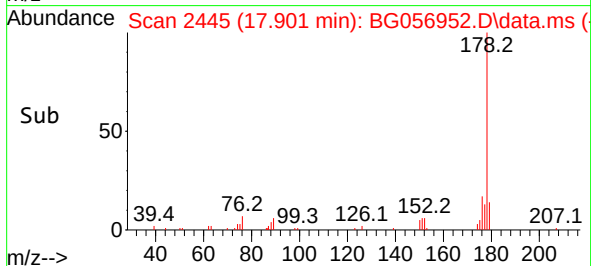
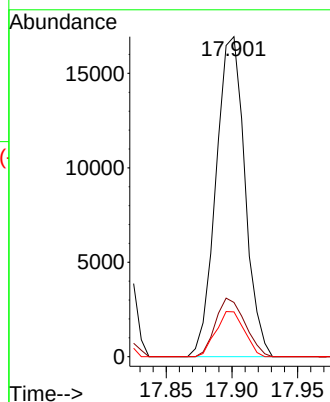
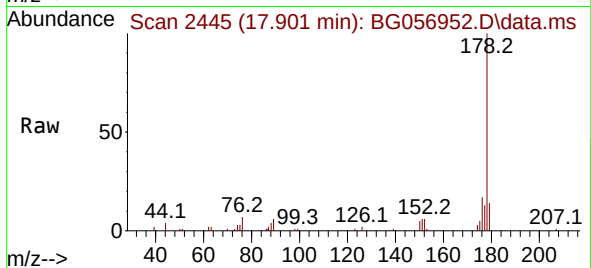
MDL-SOIL-03-QT1-2023

Tgt Ion:178	Resp:	2594
Ion Ratio	Lower	Upper
178	100	
176	16.9	15.4 23.2
179	14.0	12.4 18.6

Manual Integrations

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



#73

Carbazole

Concen: 3.907 ng

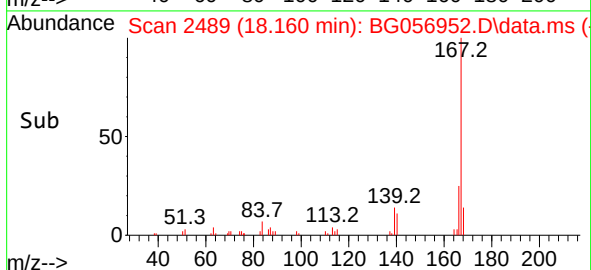
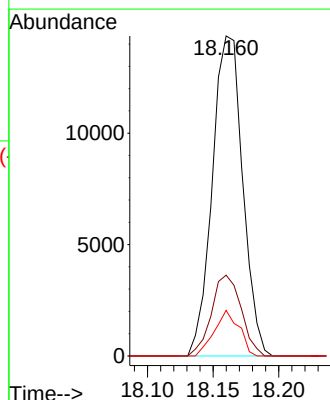
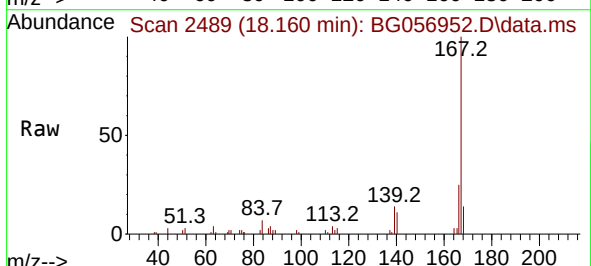
RT: 18.160 min Scan# 2489

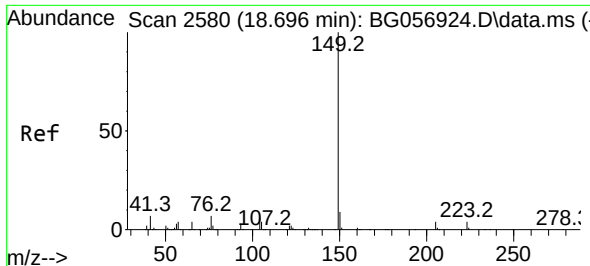
Delta R.T. -0.008 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

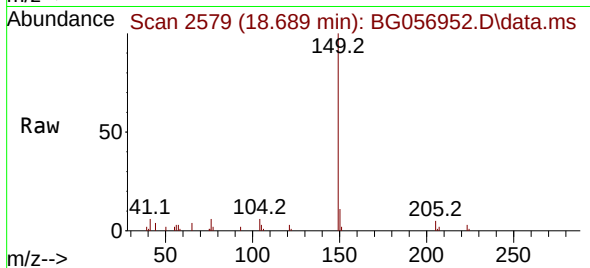
Tgt Ion:167	Resp:	23129
Ion Ratio	Lower	Upper
167	100	
166	25.3	17.9 26.9
139	14.3	9.5 14.3





#74
Di-n-butylphthalate
Concen: 3.566 ng
RT: 18.689 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

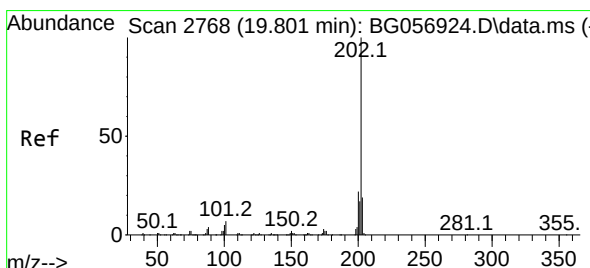
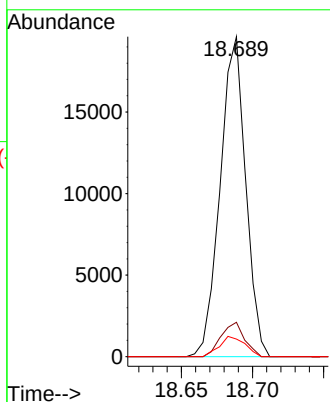
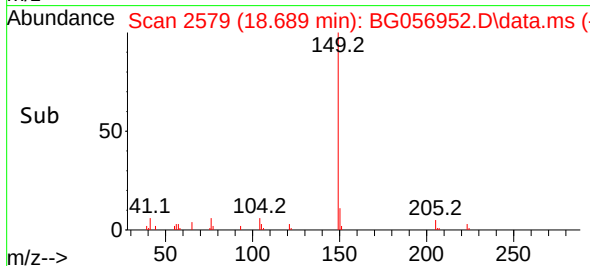
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:149 Resp: 2444
Ion Ratio Lower Upper
149 100
150 10.8 7.4 11.0
104 5.5 4.9 7.3

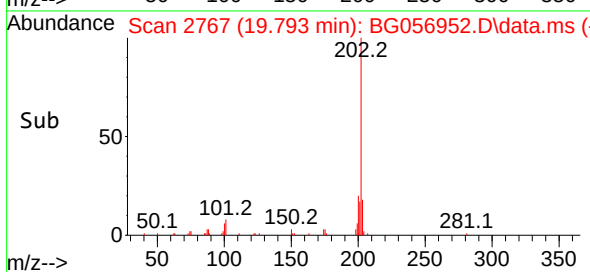
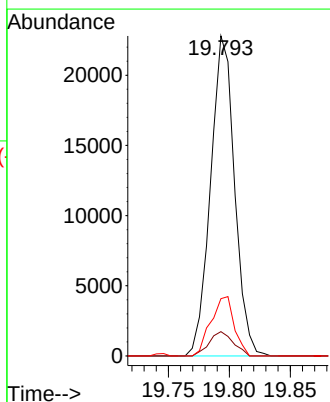
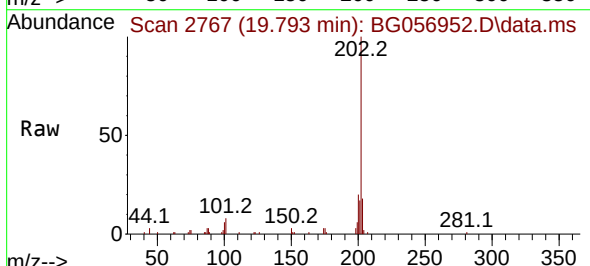
Manual Integrations
APPROVED

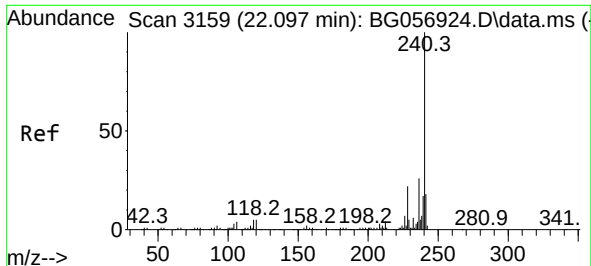
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#75
Fluoranthene
Concen: 3.729 ng
RT: 19.793 min Scan# 2767
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

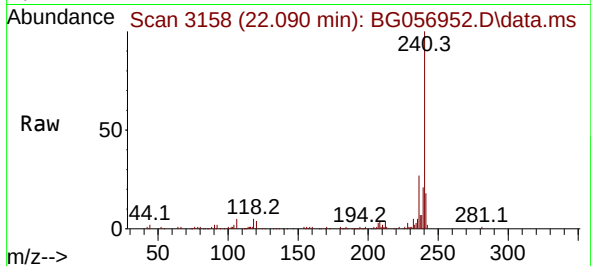
Tgt Ion:202 Resp: 31311
Ion Ratio Lower Upper
202 100
101 7.6 0.0 26.7
203 17.9 0.0 39.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.090 min Scan# 3159
Delta R.T. -0.008 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

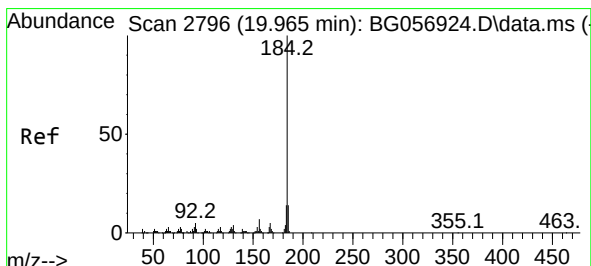
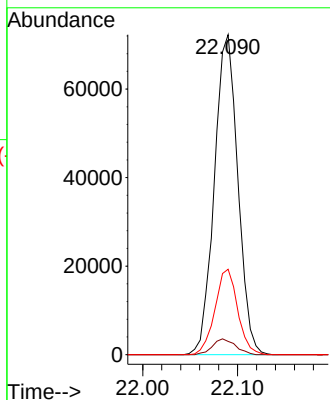
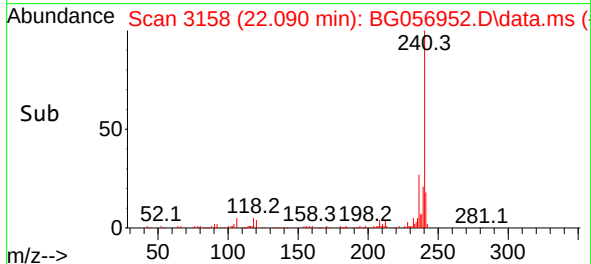
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:240 Resp: 12448
Ion Ratio Lower Upper
240 100
120 4.2 3.8 5.6
236 26.7 21.0 31.6

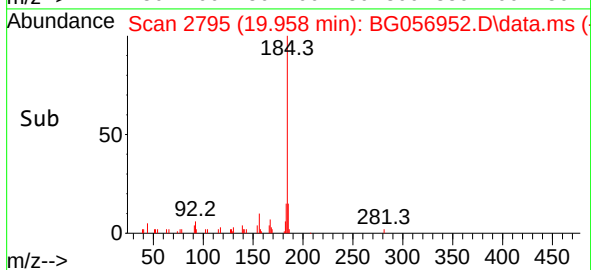
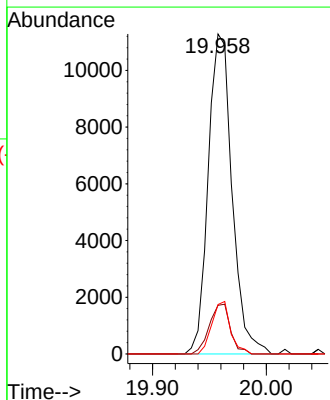
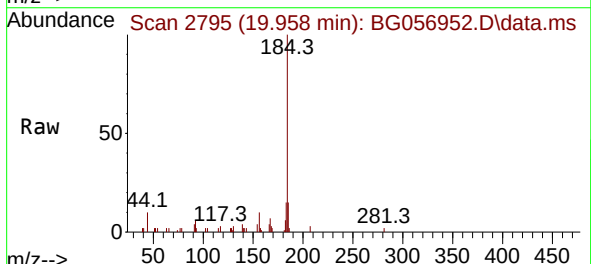
Manual Integrations
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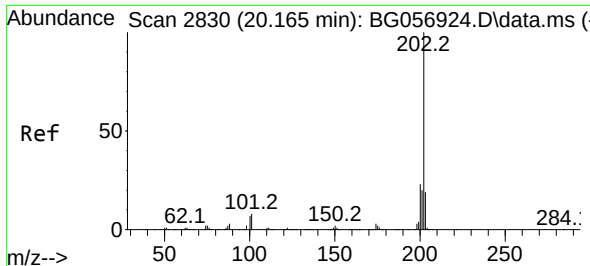
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#77
Benzidine
Concen: 4.837 ng
RT: 19.958 min Scan# 2795
Delta R.T. -0.007 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

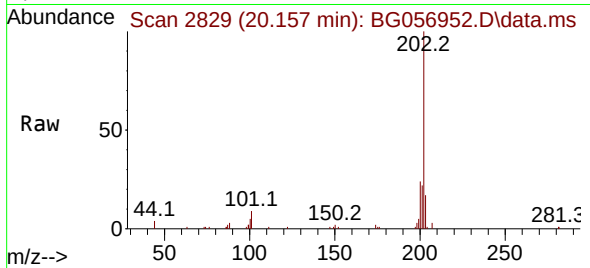
Tgt Ion:184 Resp: 16458
Ion Ratio Lower Upper
184 100
185 15.2 11.0 16.4
183 15.4 11.4 17.0





#78
 Pyrene
 Concen: 3.691 ng
 RT: 20.157 min Scan# 2829
 Delta R.T. -0.007 min
 Lab File: BG056952.D
 Acq: 3 Apr 2023 11:06

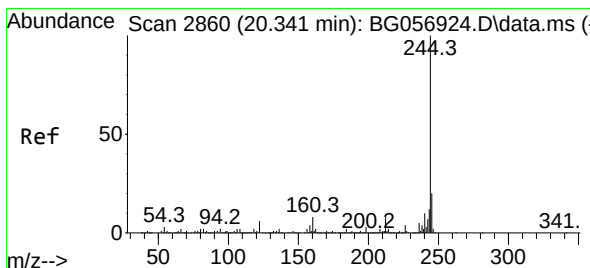
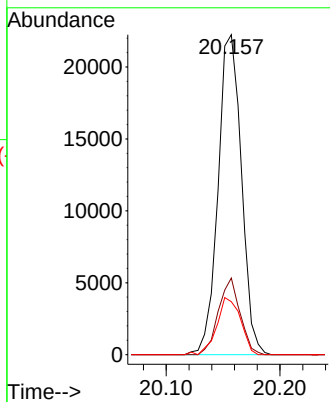
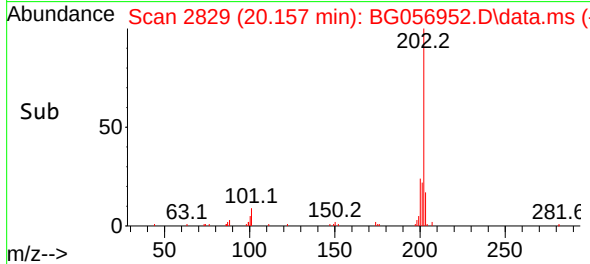
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2023



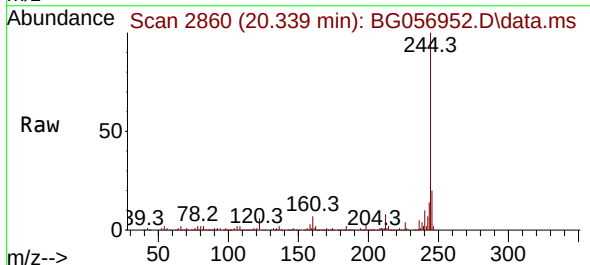
Tgt Ion:202 Resp: 3178
 Ion Ratio Lower Upper
 202 100
 200 24.0 18.7 28.1
 203 16.6 15.4 23.2

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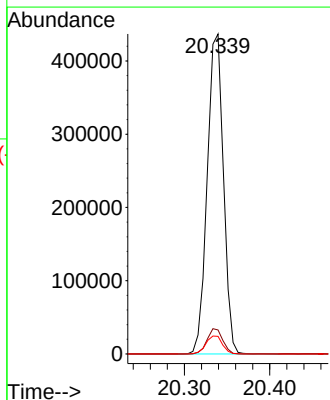
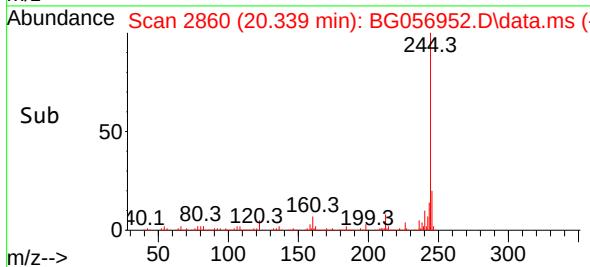
Reviewed By :Christian Giraldo 04/04/2023
 Supervised By :Jagrut Upadhyay 04/05/2023

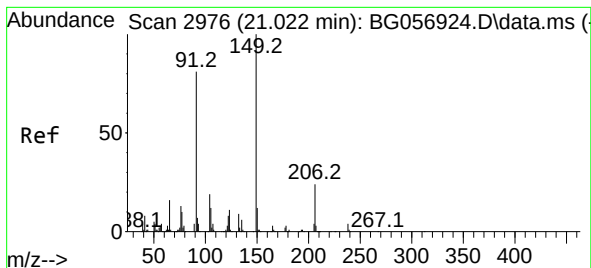


#79
 Terphenyl-d14
 Concen: 78.136 ng
 RT: 20.339 min Scan# 2860
 Delta R.T. -0.002 min
 Lab File: BG056952.D
 Acq: 3 Apr 2023 11:06



Tgt Ion:244 Resp: 574812
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 5.5 5.0 7.4





#80

Butylbenzylphthalate

Concen: 3.502 ng

RT: 21.015 min Scan# 2975

Delta R.T. -0.008 min

Lab File: BG056952.D

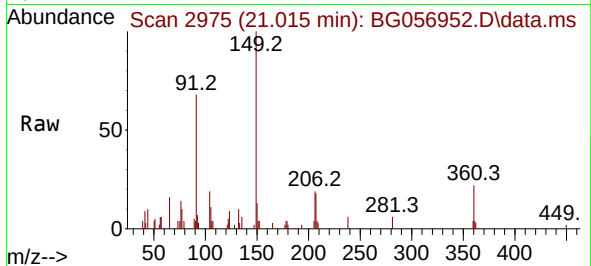
Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023



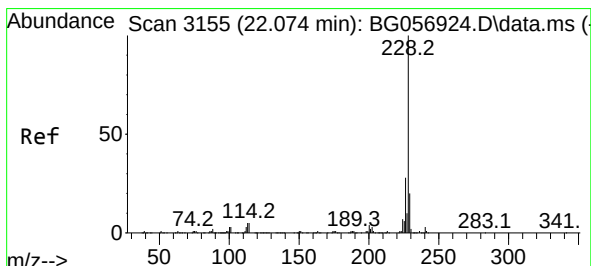
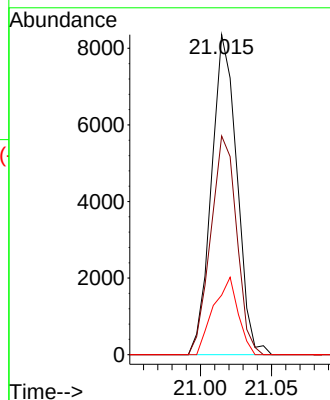
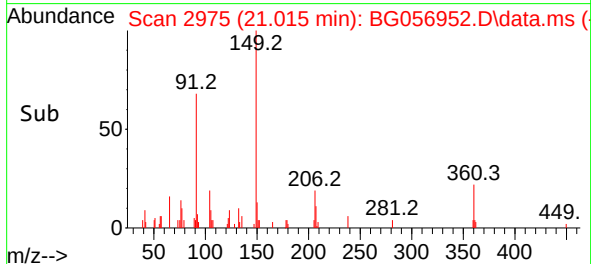
Tgt Ion:	149	Resp:	1037
Ion Ratio	Lower	Upper	
149	100		
91	68.4	64.4	96.6
206	18.6	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/04/2023

Supervised By :Jagrut Upadhyay 04/05/2023



#81

Benzo(a)anthracene

Concen: 3.731 ng

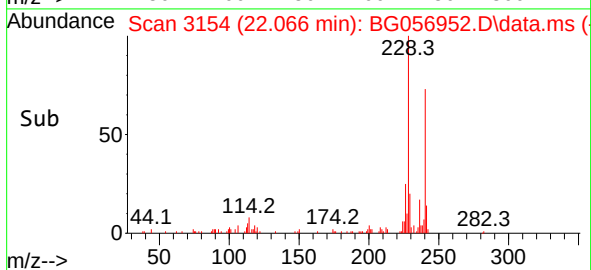
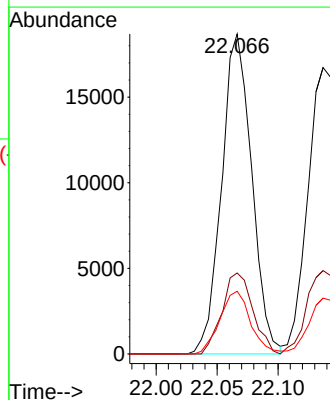
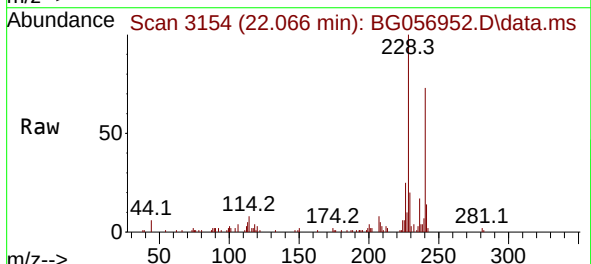
RT: 22.066 min Scan# 3154

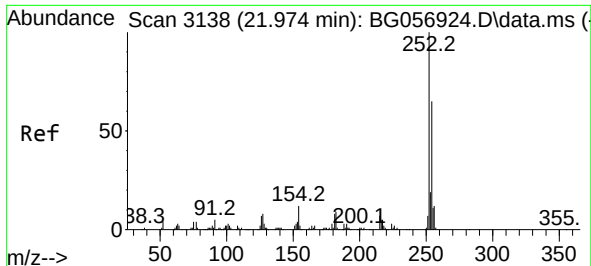
Delta R.T. -0.008 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

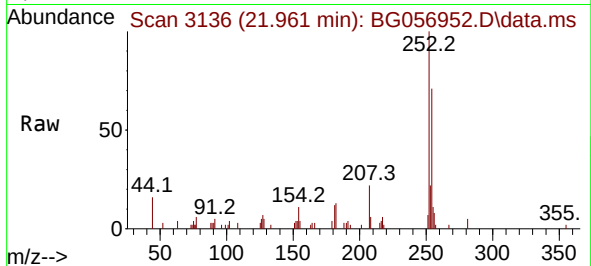
Tgt Ion:	228	Resp:	32144
Ion Ratio	Lower	Upper	
228	100		
226	25.3	22.1	33.1
229	19.6	16.1	24.1





#82
3,3'-Dichlorobenzidine
Concen: 4.614 ng
RT: 21.961 min Scan# 3138
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

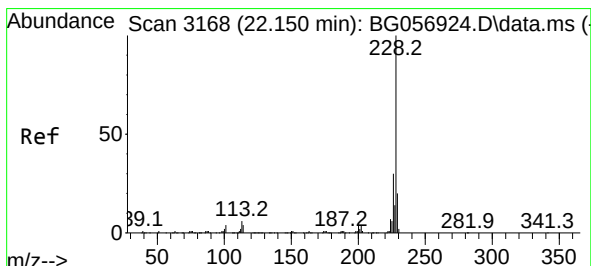
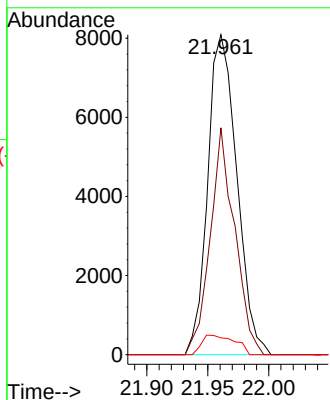
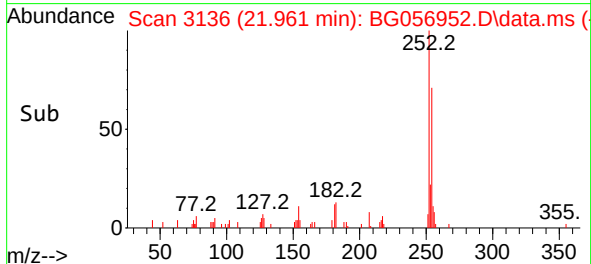
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:252 Resp: 1342
Ion Ratio Lower Upper
252 100
254 70.9 51.7 77.5
126 5.2 5.6 8.4

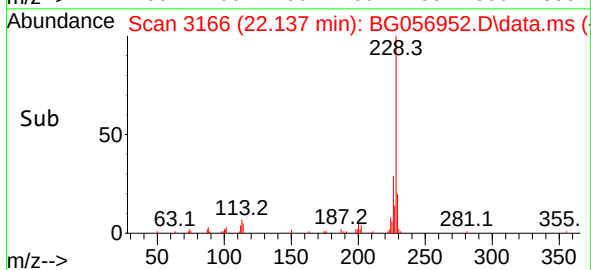
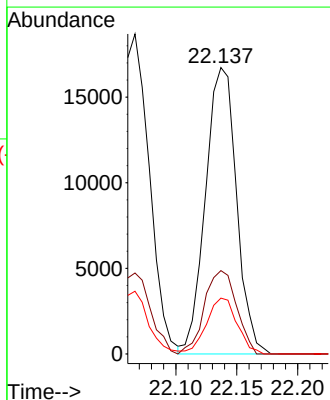
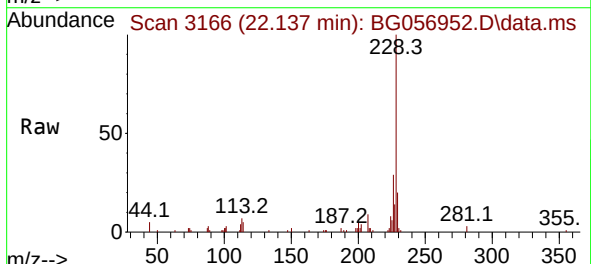
Manual Integrations
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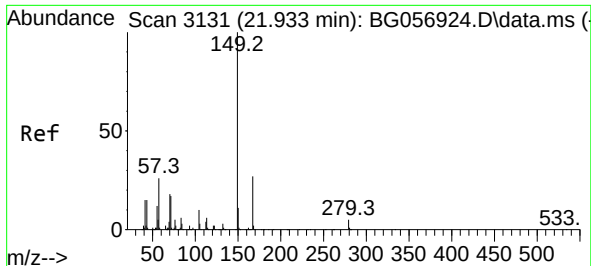
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#83
Chrysene
Concen: 3.683 ng
RT: 22.137 min Scan# 3166
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

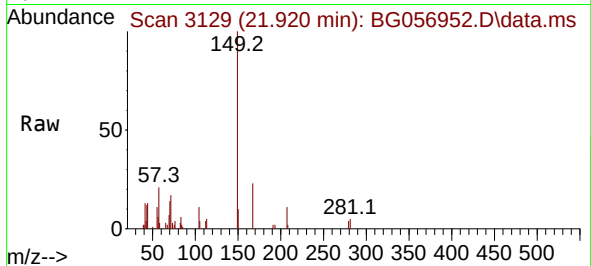
Tgt Ion:228 Resp: 29707
Ion Ratio Lower Upper
228 100
226 29.1 24.1 36.1
229 19.5 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.555 ng
RT: 21.920 min Scan# 3129
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

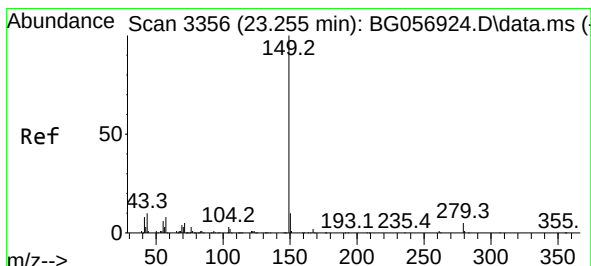
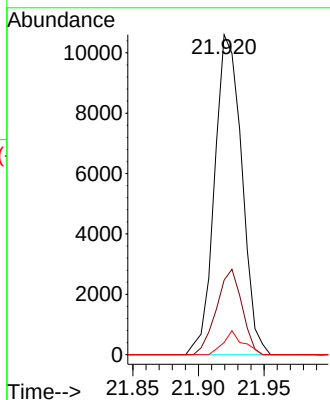
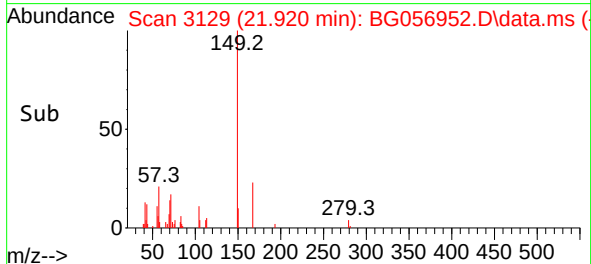
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:149 Resp: 1525
Ion Ratio Lower Upper
149 100
167 23.3 21.4 32.2
279 3.8 3.9 5.9

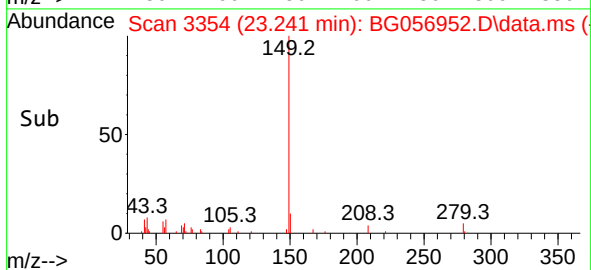
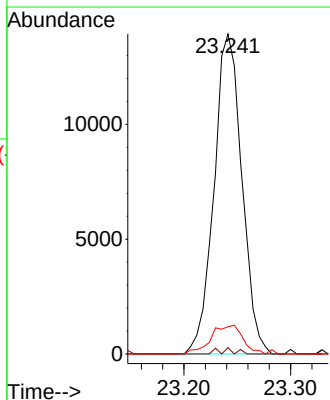
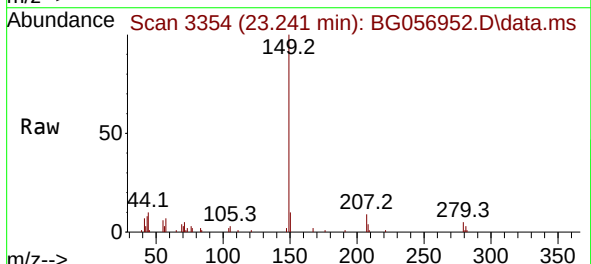
Manual Integrations
APPROVED

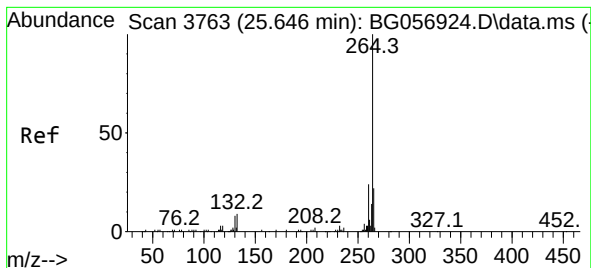
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#85
Di-n-octyl phthalate
Concen: 3.488 ng
RT: 23.241 min Scan# 3354
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

Tgt Ion:149 Resp: 25216
Ion Ratio Lower Upper
149 100
167 0.4 1.3 1.9#
43 10.3 7.9 11.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.632 min Scan# 31

Delta R.T. -0.013 min

Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2023

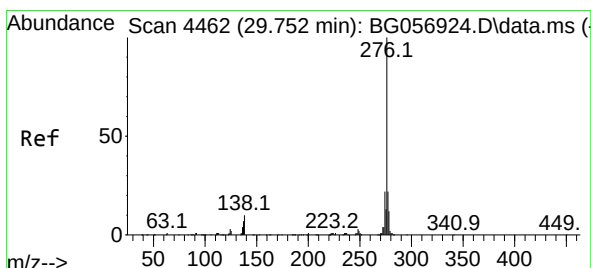
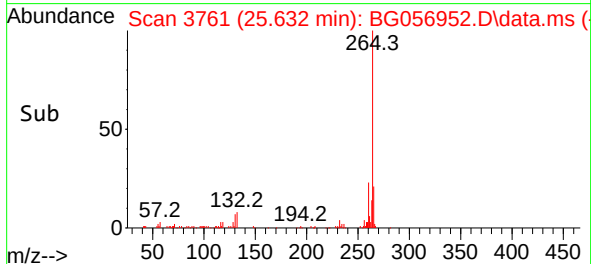
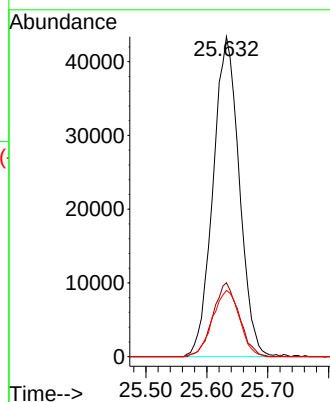
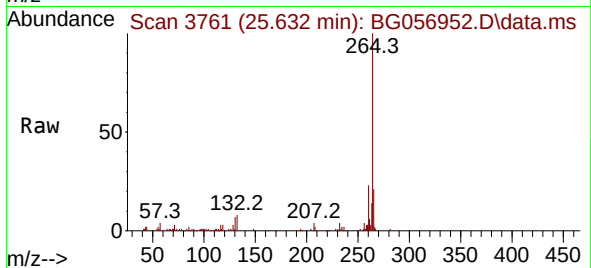
Tgt Ion:264 Resp: 129770

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	20.7	17.8	26.6

Manual Integrations

APPROVED

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.754 ng

RT: 29.709 min Scan# 4455

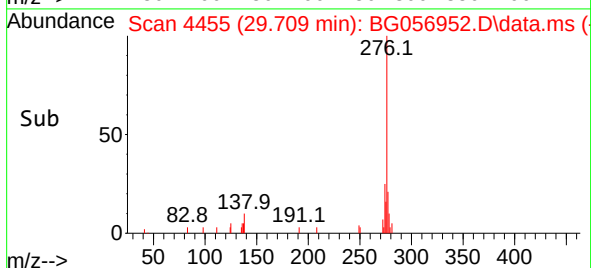
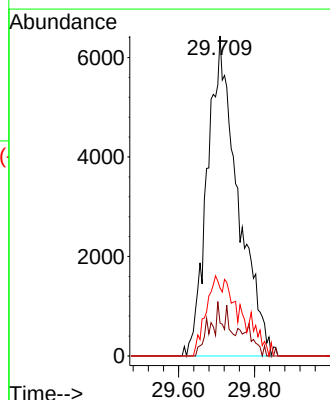
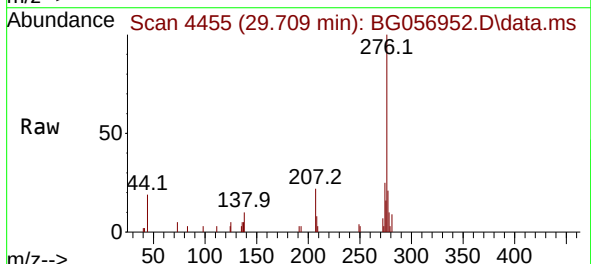
Delta R.T. -0.043 min

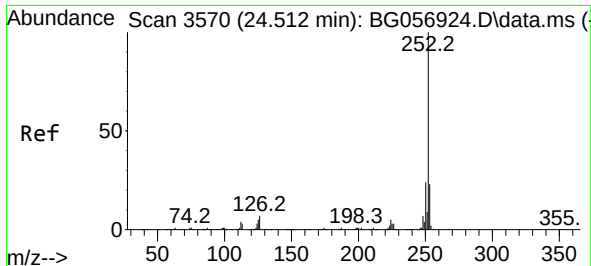
Lab File: BG056952.D

Acq: 3 Apr 2023 11:06

Tgt Ion:276 Resp: 36004

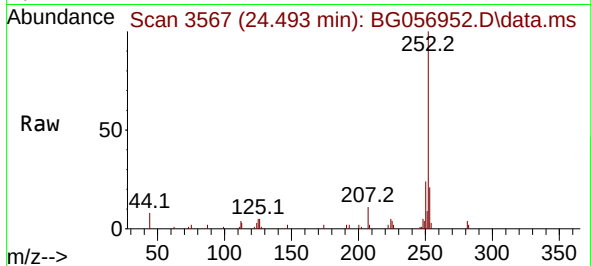
Ion	Ratio	Lower	Upper
276	100		
138	1.3	7.7	11.5#
277	12.8	21.0	31.4#





#88
Benzo(b)fluoranthene
Concen: 3.886 ng
RT: 24.493 min Scan# 3153
Delta R.T. -0.019 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

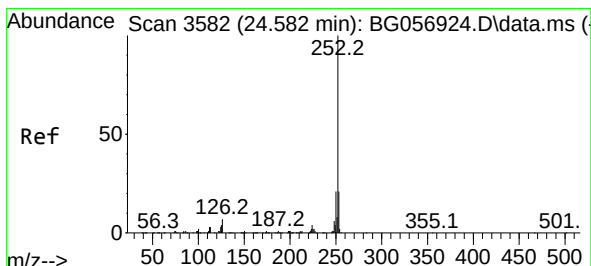
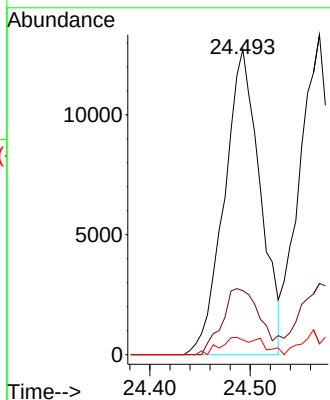
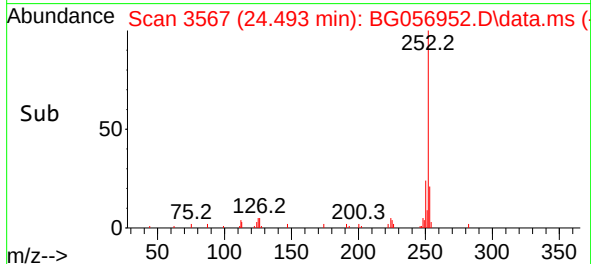
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



Tgt Ion:252 Resp: 3153
Ion Ratio Lower Upper
252 100
253 21.0 18.1 27.1
125 4.8 4.2 6.4

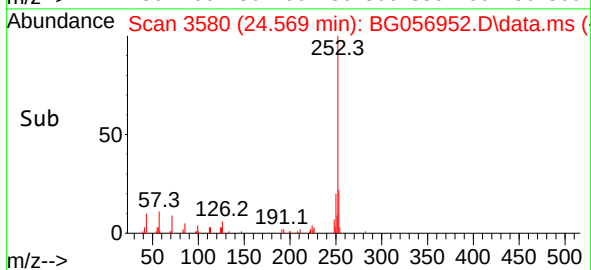
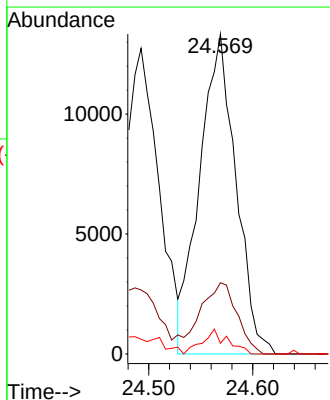
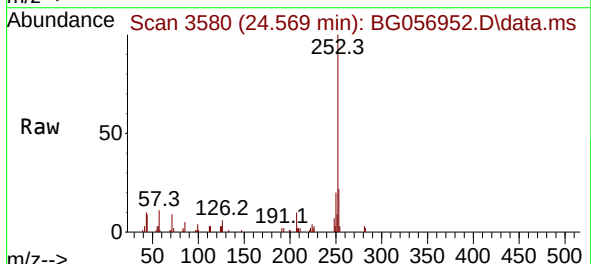
Manual Integrations
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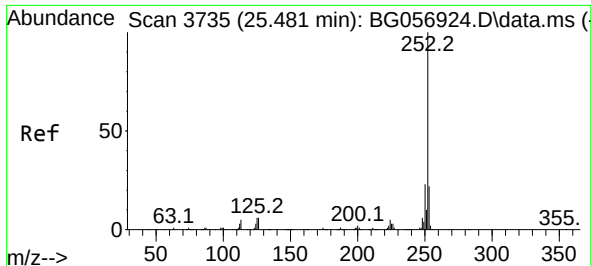
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#89
Benzo(k)fluoranthene
Concen: 3.986 ng m
RT: 24.569 min Scan# 3580
Delta R.T. -0.013 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

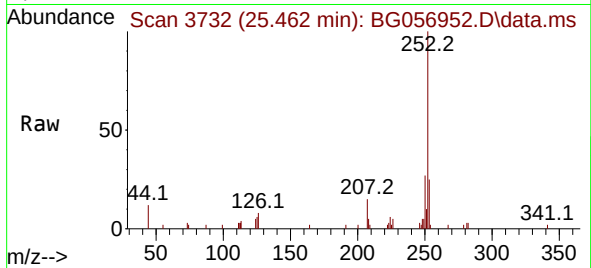
Tgt Ion:252 Resp: 32290
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 3.4 3.8 5.6#





#90
Benzo(a)pyrene
Concen: 3.493 ng
RT: 25.462 min Scan# 31
Delta R.T. -0.019 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06

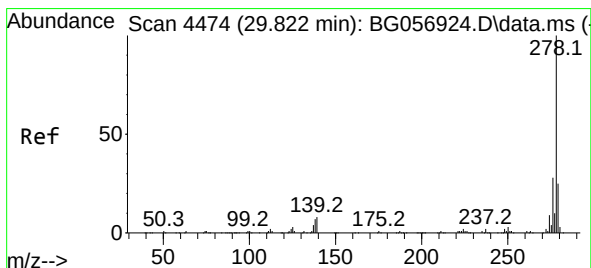
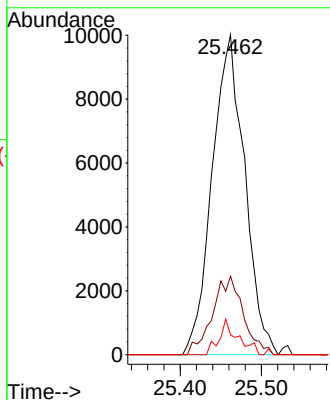
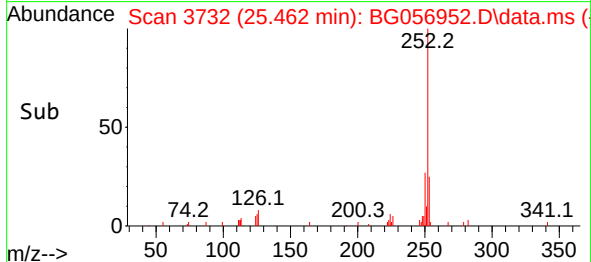
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2023



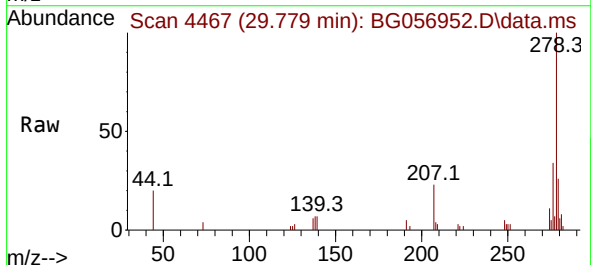
Tgt Ion:252 Resp: 2785
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 6.1 4.5 6.7

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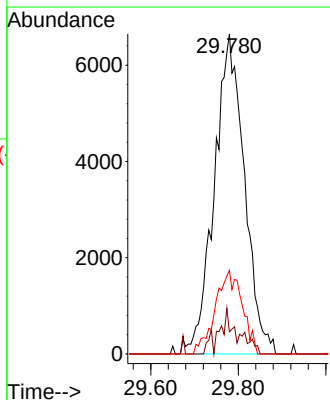
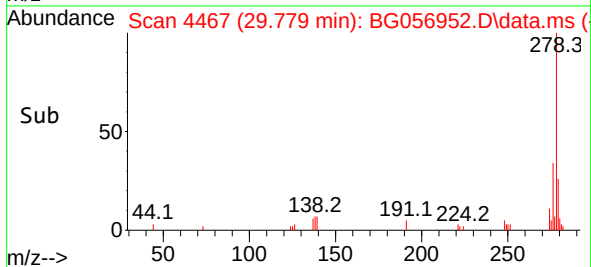
Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

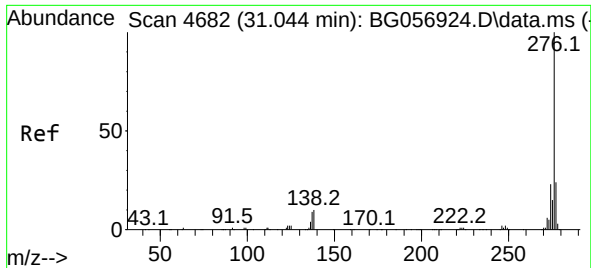


#91
Dibenzo(a,h)anthracene
Concen: 4.029 ng
RT: 29.779 min Scan# 4467
Delta R.T. -0.043 min
Lab File: BG056952.D
Acq: 3 Apr 2023 11:06



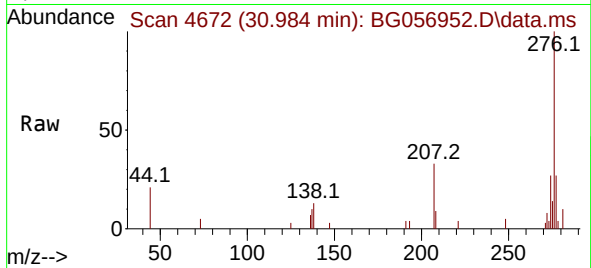
Tgt Ion:278 Resp: 31759
Ion Ratio Lower Upper
278 100
139 6.9 6.4 9.6
279 26.1 20.2 30.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.754 ng
 RT: 30.984 min Scan# 4672
 Delta R.T. -0.060 min
 Lab File: BG056952.D
 Acq: 3 Apr 2023 11:06

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



Tgt Ion:	276	Resp:	28980
Ion Ratio	100	Lower	Upper
276	100		
277	27.0	19.1	28.7
138	12.5	8.2	12.2

Manual Integrations
 APPROVED

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

