

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
 Data File : BG057464.D
 Acq On : 19 May 2023 12:12
 Operator : CG/JU
 Sample : 02213-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

Quant Time: May 20 07:02:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/22/2023
 Supervised By : Jagrut Upadhyay 05/22/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.360	152	17891	20.000	ng	0.00
21) Naphthalene-d8	11.197	136	70928	20.000	ng	0.00
39) Acenaphthene-d10	14.968	164	57925	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	146192	20.000	ng	0.00
76) Chrysene-d12	22.018	240	133935	20.000	ng	0.00
86) Perylene-d12	25.519	264	140852	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.875	112	108738	103.968	ng	0.00
7) Phenol-d6	7.496	99	162635	102.401	ng	0.00
23) Nitrobenzene-d5	9.540	82	121837	72.095	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	96064	116.881	ng	0.00
45) 2-Fluorobiphenyl	13.594	172	322492	74.982	ng	0.00
79) Terphenyl-d14	20.279	244	605344	73.758	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.672	88	3356	7.760	ng	89
3) Pyridine	4.112	79	7897	5.682	ng	88
4) n-Nitrosodimethylamine	4.013	42	4370	6.691	ng	# 97
6) Aniline	7.672	93	14090	6.993	ng	98
8) 2-Chlorophenol	7.913	128	8064	7.297	ng	89
9) Benzaldehyde	7.484	77	9568	5.305	ng	99
10) Phenol	7.525	94	11262	7.274	ng	92
11) bis(2-Chloroethyl)ether	7.760	93	8804	7.541	ng	99
12) 1,3-Dichlorobenzene	8.242	146	10279	8.427	ng	91
13) 1,4-Dichlorobenzene	8.395	146	9411	7.681	ng	96
14) 1,2-Dichlorobenzene	8.718	146	9280	7.846	ng	95
15) Benzyl Alcohol	8.595	79	8222	6.214	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.882	45	9886	6.718	ng	98
17) 2-Methylphenol	8.800	107	7515	6.734	ng	93
18) Hexachloroethane	9.458	117	3653	8.262	ng	84
19) n-Nitroso-di-n-propyla...	9.159	70	8117	6.703	ng	97
20) 3+4-Methylphenols	9.129	107	10702	7.003	ng	88
22) Acetophenone	9.188	105	14948	7.363	ng	# 94
24) Nitrobenzene	9.581	77	12295	7.208	ng	98
25) Isophorone	10.093	82	22002	6.714	ng	98
26) 2-Nitrophenol	10.298	139	5189	7.948	ng	86
27) 2,4-Dimethylphenol	10.339	122	8945	7.824	ng	92
28) bis(2-Chloroethoxy)met...	10.568	93	12234	7.452	ng	98
29) 2,4-Dichlorophenol	10.844	162	9870	8.140	ng	93
30) 1,2,4-Trichlorobenzene	11.050	180	11054	7.904	ng	99
31) Naphthalene	11.250	128	29364	7.744	ng	98
32) Benzoic acid	10.557	122	560m	5.483	ng	
33) 4-Chloroaniline	11.350	127	12605	7.402	ng	96
34) Hexachlorobutadiene	11.514	225	8038	7.746	ng	97
35) Caprolactam	12.096	113	3178	7.673	ng	88
36) 4-Chloro-3-methylphenol	12.448	107	10365	7.522	ng	# 82
37) 2-Methylnaphthalene	12.824	142	23184	7.776	ng	98
38) 1-Methylnaphthalene	13.041	142	21842	7.773	ng	97
40) 1,2,4,5-Tetrachloroben...	13.188	216	16403	7.977	ng	# 97
41) Hexachlorocyclopentadiene	13.159	237	2257	8.399	ng	92
43) 2,4,6-Trichlorophenol	13.423	196	9417	7.517	ng	96

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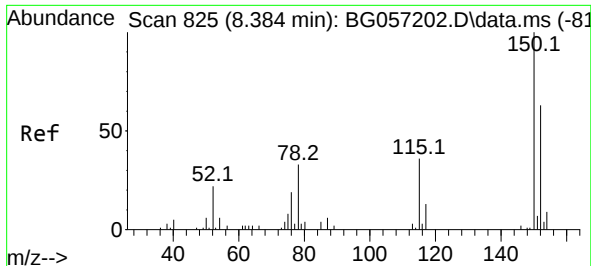
Quant Time: May 20 07:02:47 2023
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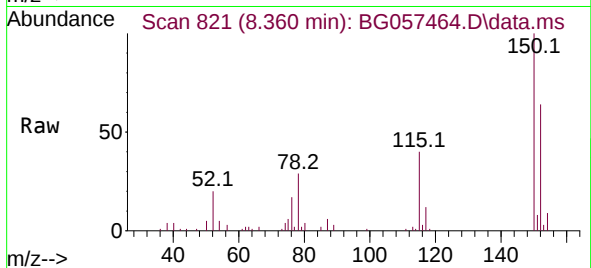
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.506	196	10286	6.980	ng	97
46) 1,1'-Biphenyl	13.805	154	33644	7.827	ng	95
47) 2-Chloronaphthalene	13.864	162	25102	7.853	ng	96
48) 2-Nitroaniline	14.058	65	7585	6.979	ng	96
49) Acenaphthylene	14.698	152	39150	7.539	ng	97
50) Dimethylphthalate	14.404	163	34660	7.281	ng	96
51) 2,6-Dinitrotoluene	14.534	165	7040	7.244	ng	95
52) Acenaphthene	15.033	154	24900	7.674	ng	98
53) 3-Nitroaniline	14.874	138	6784	6.968	ng	85
54) 2,4-Dinitrophenol	15.098	184	1161	6.727	ng #	89
55) Dibenzofuran	15.368	168	42157	7.732	ng	97
56) 4-Nitrophenol	15.186	139	3712	5.732	ng #	77
57) 2,4-Dinitrotoluene	15.327	165	10509	7.566	ng #	96
58) Fluorene	16.014	166	34901	7.772	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.597	232	10070	7.537	ng #	94
60) Diethylphthalate	15.750	149	34992	7.239	ng	99
61) 4-Chlorophenyl-phenyle...	15.990	204	20371	7.530	ng	100
62) 4-Nitroaniline	16.026	138	6588	6.707	ng	88
63) Azobenzene	16.284	77	31955	6.851	ng	96
65) 4,6-Dinitro-2-methylph...	16.096	198	5057	5.794	ng	94
66) n-Nitrosodiphenylamine	16.202	169	30397	7.656	ng	97
67) 4-Bromophenyl-phenylether	16.883	248	13359	7.486	ng	99
68) Hexachlorobenzene	17.018	284	14965	8.629	ng	92
69) Atrazine	17.136	200	13352	8.815	ng	97
70) Pentachlorophenol	17.371	266	5718m	5.721	ng	
71) Phenanthrene	17.753	178	58456	7.803	ng	99
72) Anthracene	17.841	178	58714	7.639	ng	96
73) Carbazole	18.111	167	50264	7.768	ng	98
74) Di-n-butylphthalate	18.628	149	54776	7.357	ng	99
75) Fluoranthene	19.744	202	69604	7.471	ng	99
77) Benzidine	19.909	184	31715	10.592	ng	98
78) Pyrene	20.103	202	71066	7.302	ng	97
80) Butylbenzylphthalate	20.954	149	22660	7.338	ng	93
81) Benzo(a)anthracene	21.994	228	74072	7.762	ng	99
82) 3,3'-Dichlorobenzidine	21.894	252	27336	8.944	ng	90
83) Chrysene	22.070	228	68616	7.642	ng	97
84) Bis(2-ethylhexyl)phtha...	21.841	149	33462	7.324	ng #	98
85) Di-n-octyl phthalate	23.128	149	55734	7.317	ng	97
87) Indeno(1,2,3-cd)pyrene	29.549	276	78535	7.650	ng #	95
88) Benzo(b)fluoranthene	24.391	252	71191	7.732	ng	99
89) Benzo(k)fluoranthene	24.461	252	72822	7.783	ng	98
90) Benzo(a)pyrene	25.342	252	63265	7.033	ng	98
91) Dibenzo(a,h)anthracene	29.596	278	65571	7.670	ng #	96
92) Benzo(g,h,i)perylene	30.817	276	63294	7.582	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.360 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

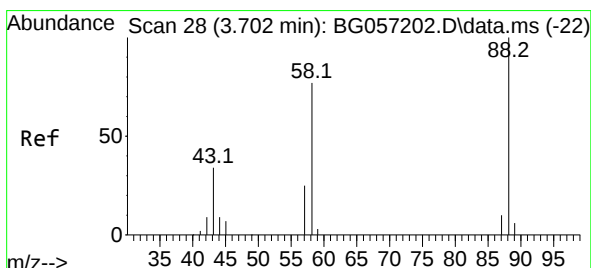
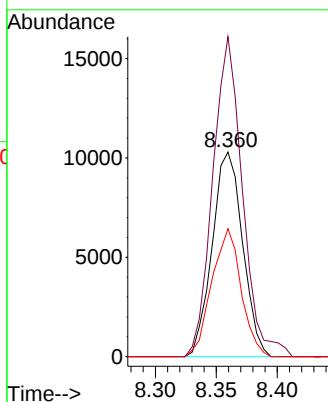
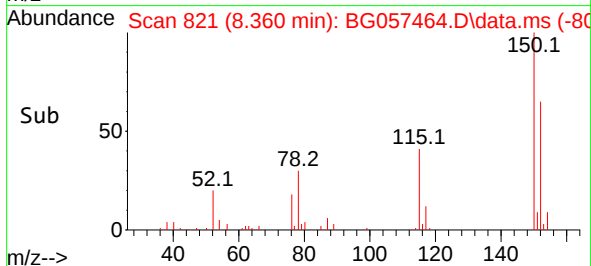
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 152 Resp: 1789
Ion Ratio Lower Upper
152 100
150 156.4 126.2 189.4
115 62.5 45.0 67.4

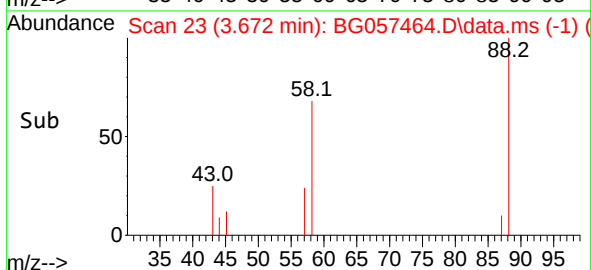
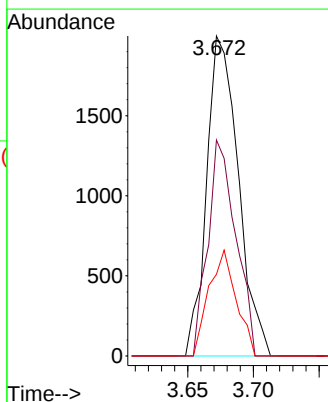
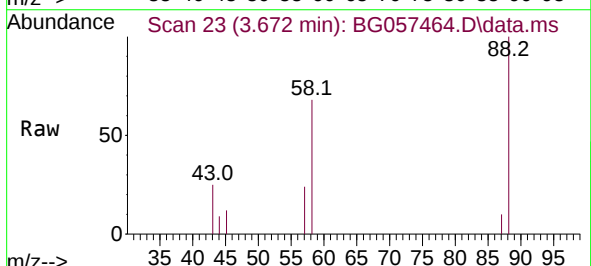
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#2
1,4-Dioxane
Concen: 7.760 ng
RT: 3.672 min Scan# 23
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

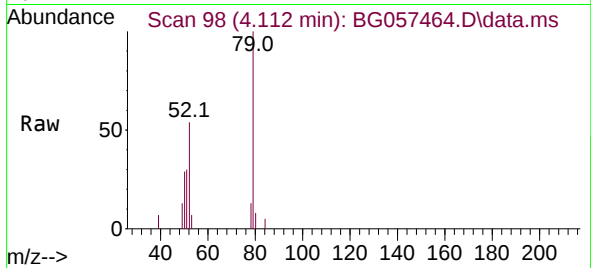
Tgt Ion: 88 Resp: 3356
Ion Ratio Lower Upper
88 100
58 59.5 57.1 85.7
43 28.6 24.4 36.6





#3
Pyridine
Concen: 5.682 ng
RT: 4.112 min Scan# 90
Delta R.T. 0.010 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

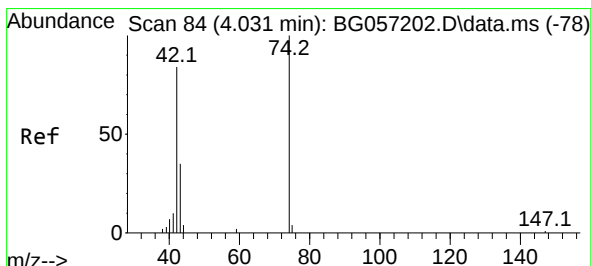
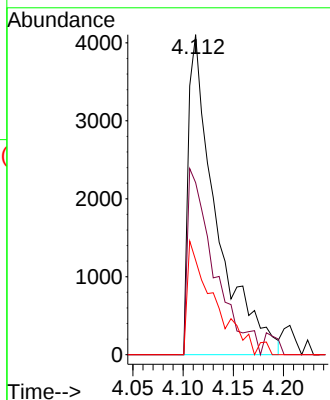
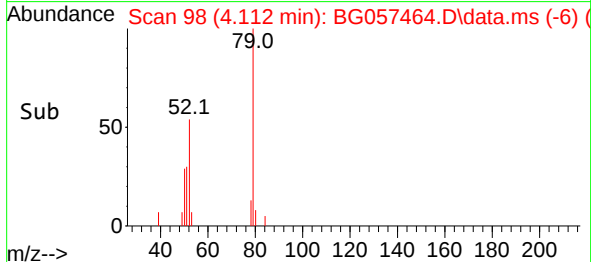
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 79 Resp: 789
Ion Ratio Lower Upper
79 100
52 53.8 51.4 77.0
51 29.5 28.0 42.0

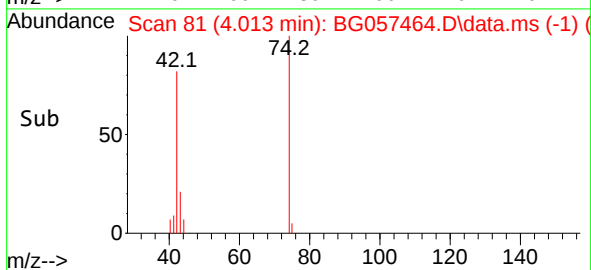
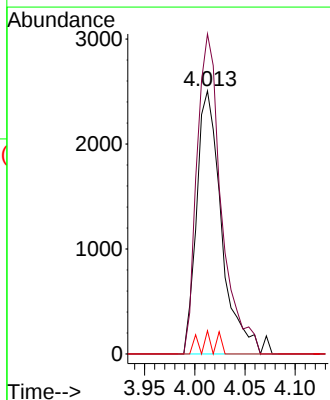
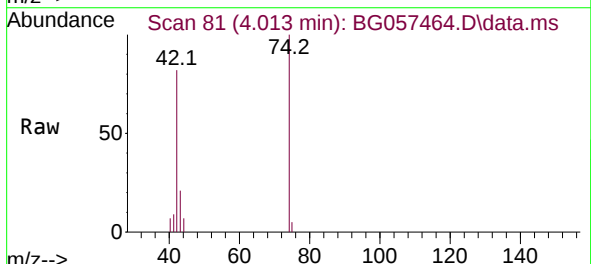
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#4
n-Nitrosodimethylamine
Concen: 6.691 ng
RT: 4.013 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

Tgt Ion: 42 Resp: 4370
Ion Ratio Lower Upper
42 100
74 121.6 95.1 142.7
44 8.8 5.8 8.8





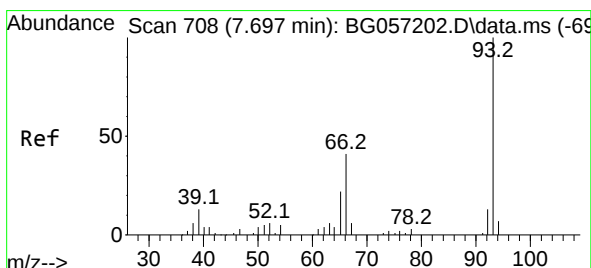
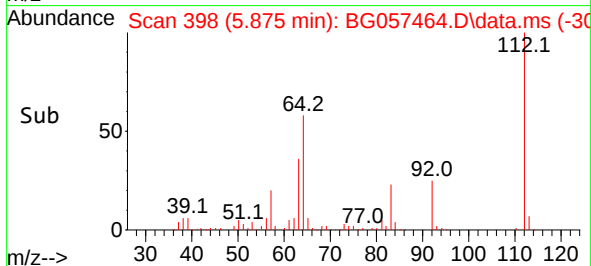
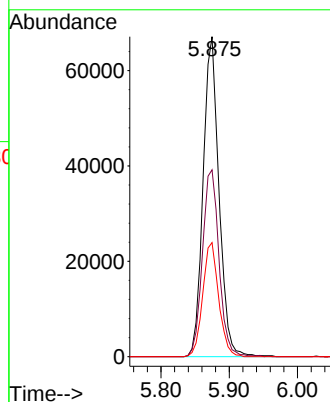
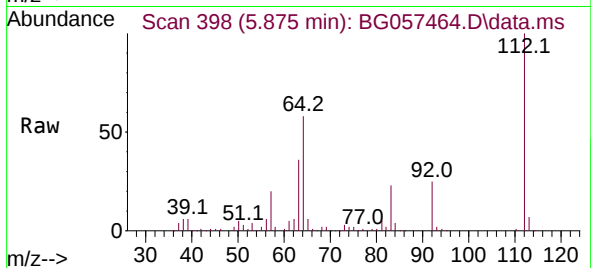
#5
2-Fluorophenol
Concen: 103.968 ng
RT: 5.875 min Scan# 398
Delta R.T. 0.004 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:112 Resp: 108738
Ion Ratio Lower Upper
112 100
64 58.4 49.4 74.2
63 35.7 31.6 47.4

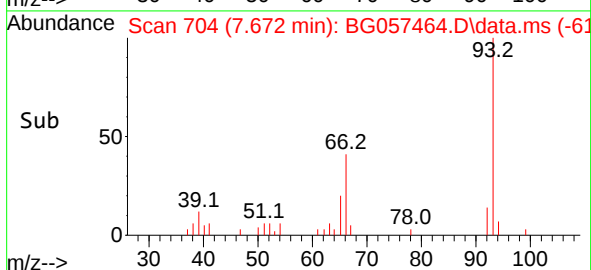
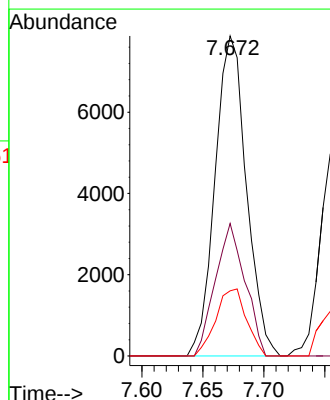
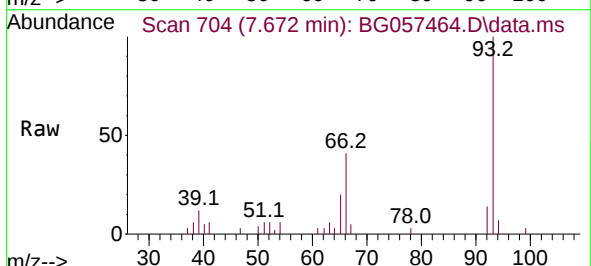
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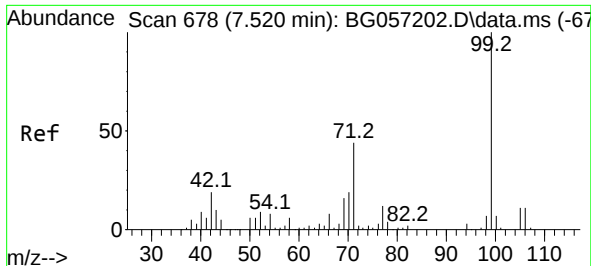
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#6
Aniline
Concen: 6.993 ng
RT: 7.672 min Scan# 704
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

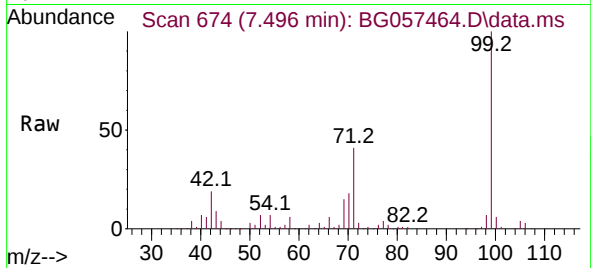
Tgt Ion: 93 Resp: 14090
Ion Ratio Lower Upper
93 100
66 41.4 33.0 49.6
65 20.3 18.0 27.0





#7
Phenol-d6
Concen: 102.401 ng
RT: 7.496 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

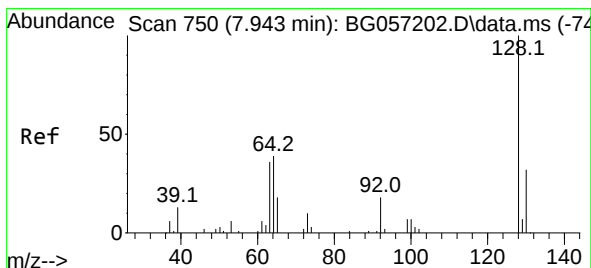
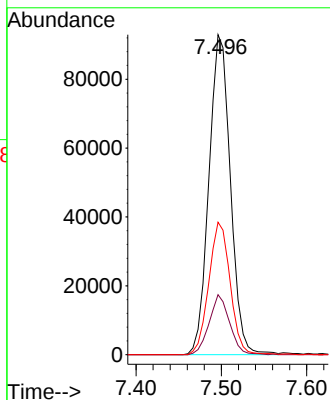
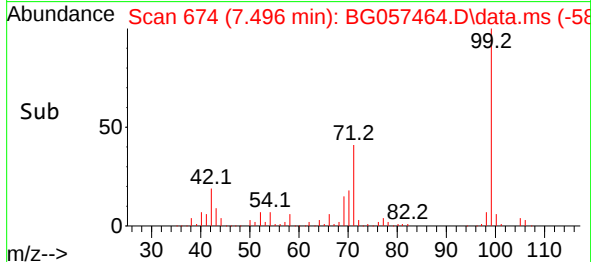
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion: 99 Resp: 16263
Ion Ratio Lower Upper
99 100
42 18.8 15.1 22.7
71 41.4 35.2 52.8

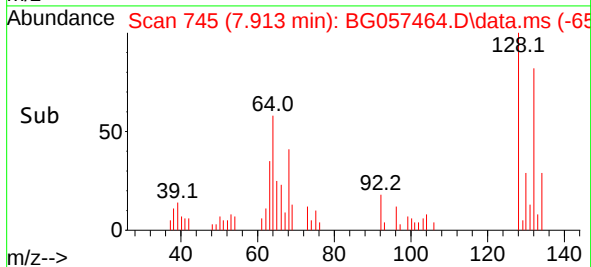
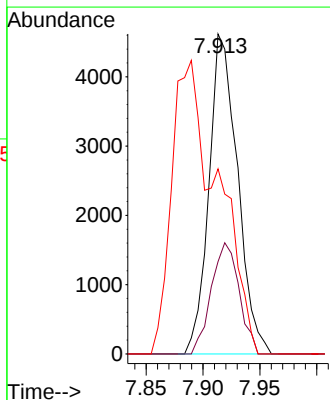
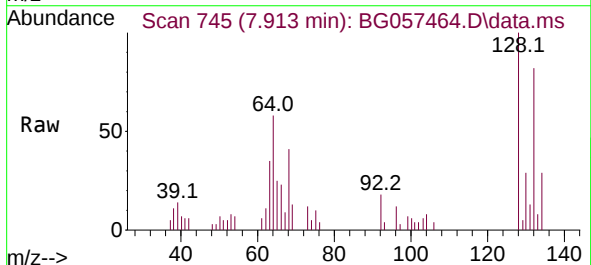
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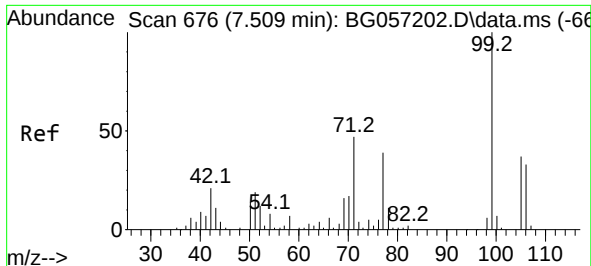
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#8
2-Chlorophenol
Concen: 7.297 ng
RT: 7.913 min Scan# 745
Delta R.T. -0.008 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

Tgt Ion:128 Resp: 8064
Ion Ratio Lower Upper
128 100
130 28.8 12.2 52.2
64 57.9 28.4 68.4





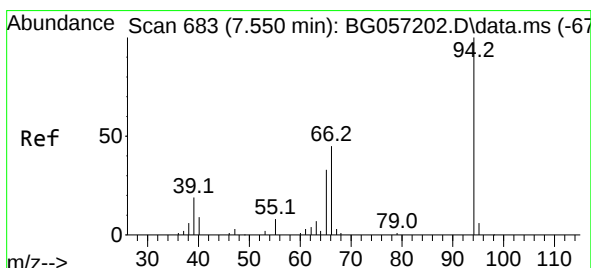
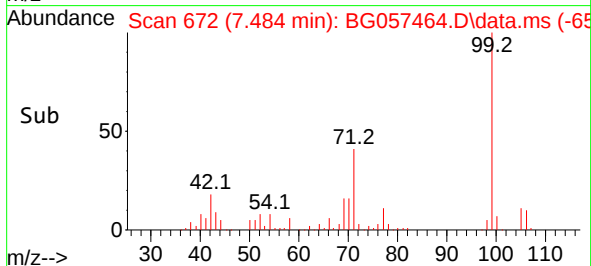
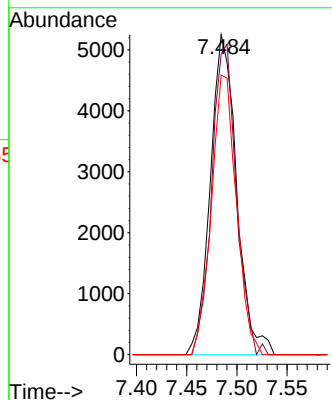
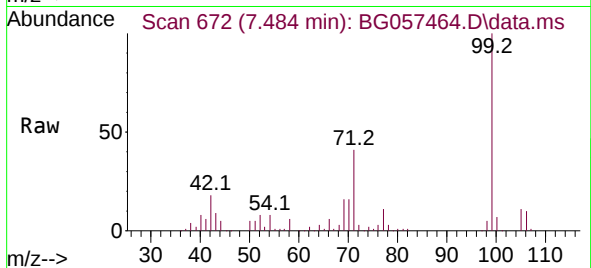
#9
Benzaldehyde
Concen: 5.305 ng
RT: 7.484 min Scan# 610
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 77 Resp: 956
Ion Ratio Lower Upper
77 100
105 93.9 74.6 114.6
106 87.4 66.3 106.3

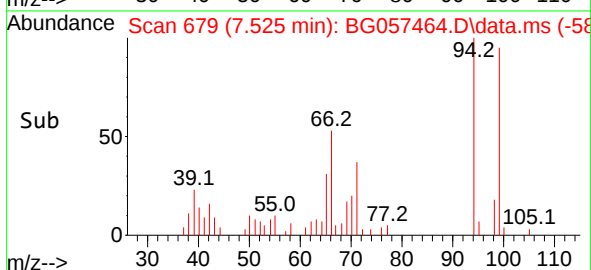
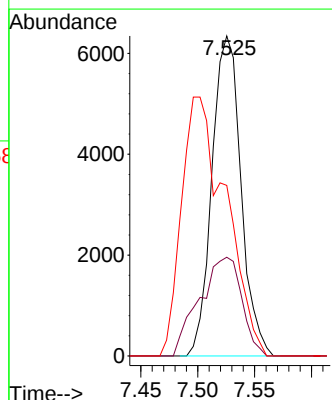
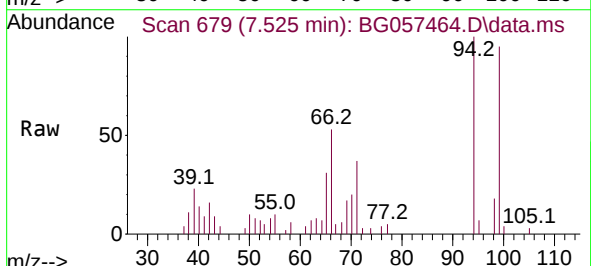
Manual Integrations
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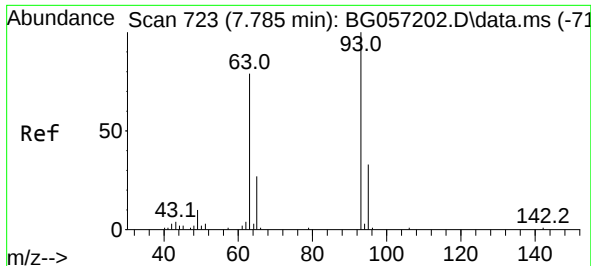
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#10
Phenol
Concen: 7.274 ng
RT: 7.525 min Scan# 679
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

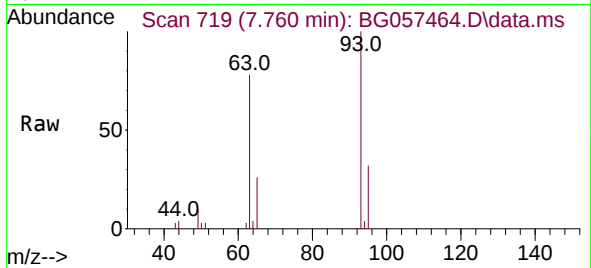
Tgt Ion: 94 Resp: 11262
Ion Ratio Lower Upper
94 100
65 30.9 13.5 53.5
66 53.3 26.7 66.7





#11
bis(2-Chloroethyl)ether
Concen: 7.541 ng
RT: 7.760 min Scan# 719
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

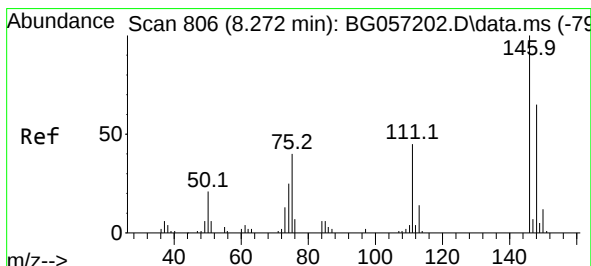
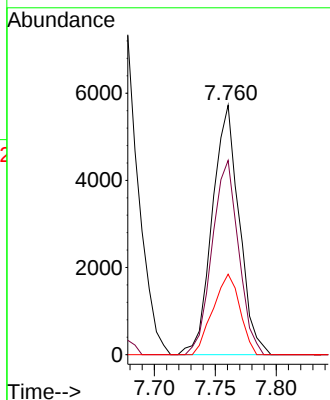
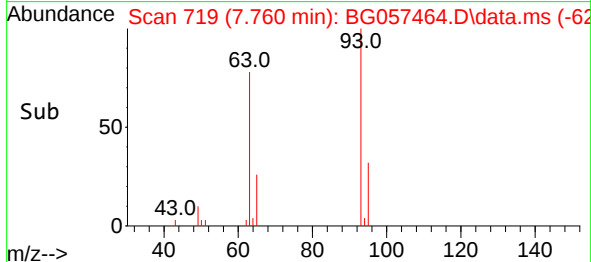
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



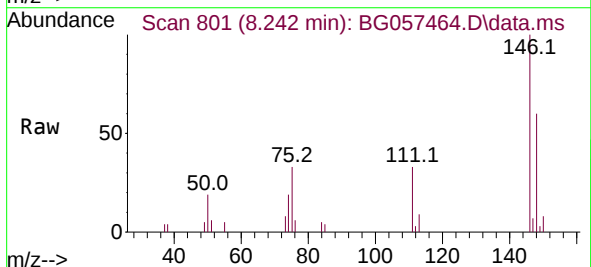
Tgt Ion: 93 Resp: 8804
Ion Ratio Lower Upper
93 100
63 77.8 58.6 98.6
95 32.3 12.2 52.2

Manual Integrations
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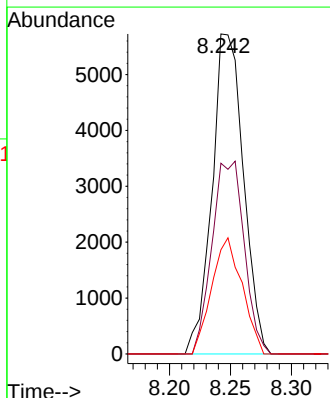
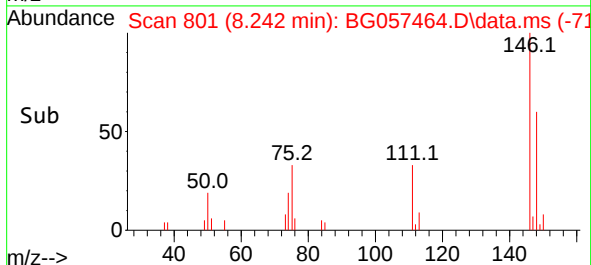
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

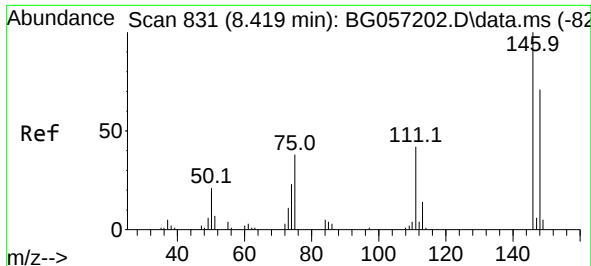


#12
1,3-Dichlorobenzene
Concen: 8.427 ng
RT: 8.242 min Scan# 801
Delta R.T. -0.008 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12



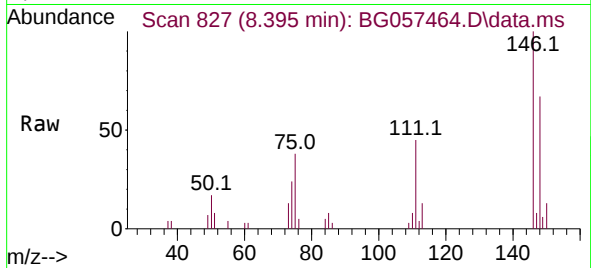
Tgt Ion:146 Resp: 10279
Ion Ratio Lower Upper
146 100
148 59.6 52.2 78.2
75 32.5 31.7 47.5





#13
1,4-Dichlorobenzene
Concen: 7.681 ng
RT: 8.395 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

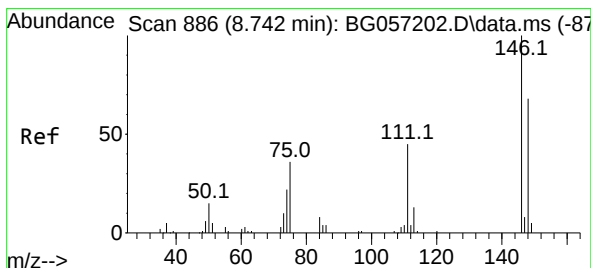
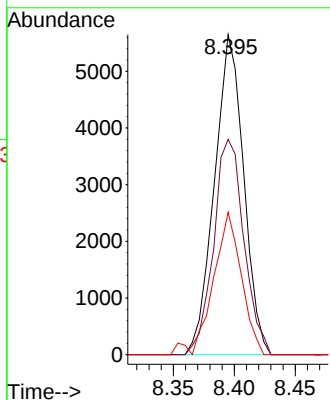
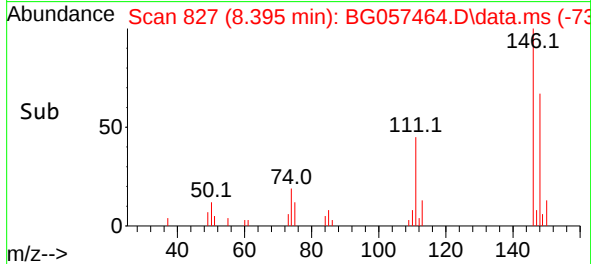
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



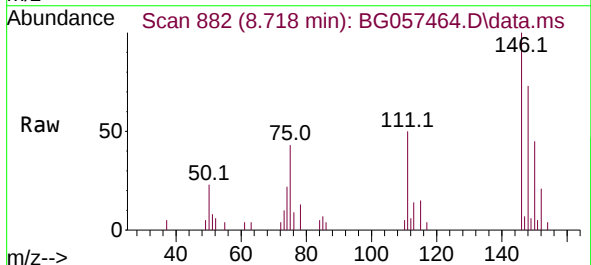
Tgt Ion:146 Resp: 941
Ion Ratio Lower Upper
146 100
148 67.3 56.4 84.6
111 44.5 33.8 50.6

Manual Integrations
APPROVED

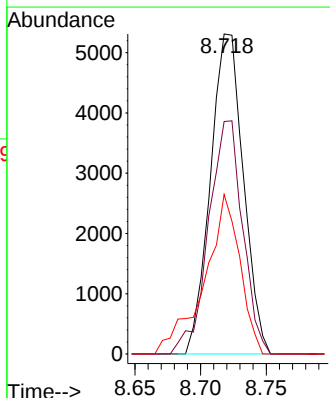
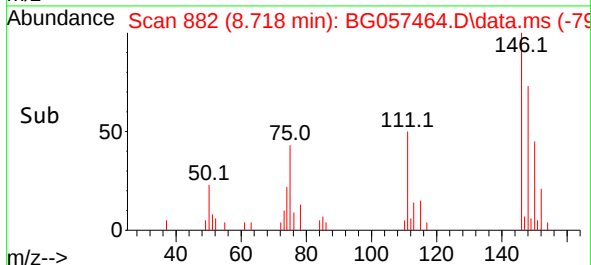
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

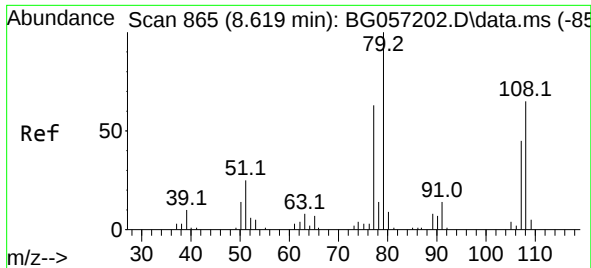


#14
1,2-Dichlorobenzene
Concen: 7.846 ng
RT: 8.718 min Scan# 882
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12



Tgt Ion:146 Resp: 9280
Ion Ratio Lower Upper
146 100
148 72.6 54.6 82.0
111 49.9 37.2 55.8





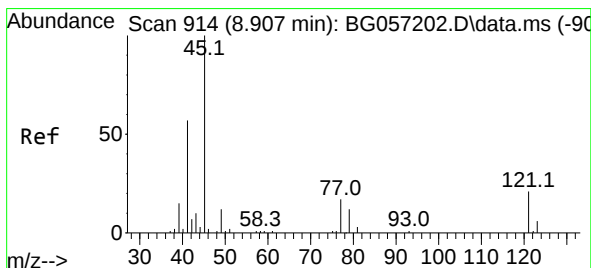
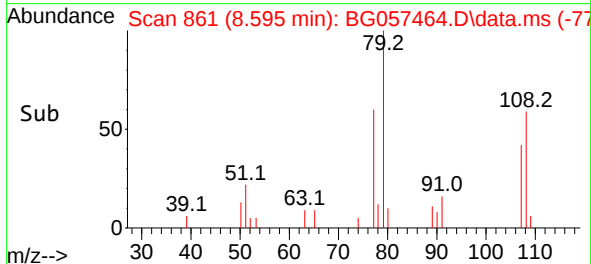
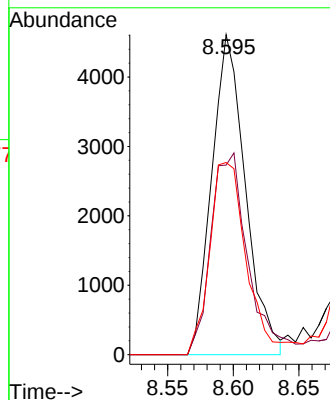
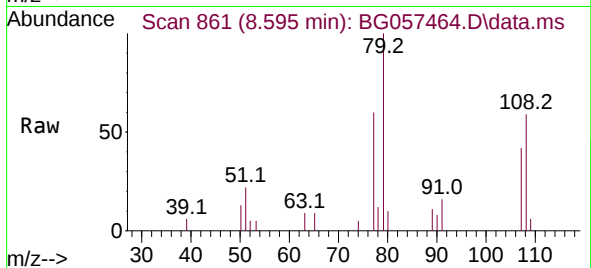
#15
Benzyl Alcohol
Concen: 6.214 ng
RT: 8.595 min Scan# 80
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 79	Resp: 822
Ion Ratio	Lower Upper
79 100	
108 59.2	52.2 78.2
77 60.1	50.1 75.1

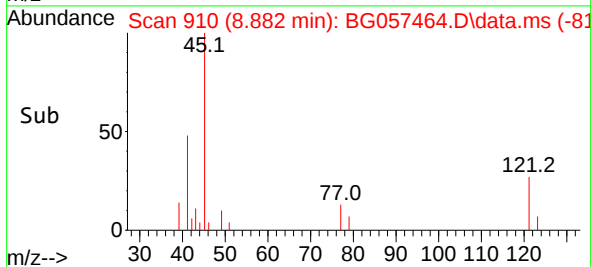
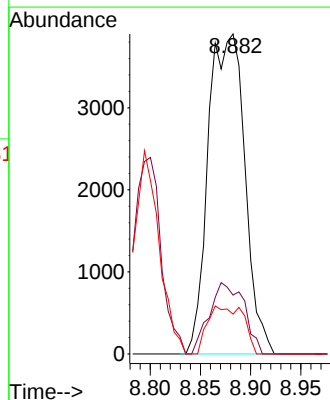
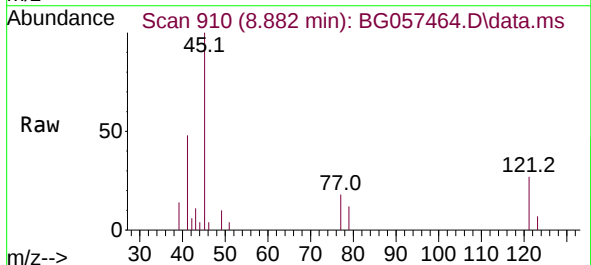
Manual Integrations
APPROVED

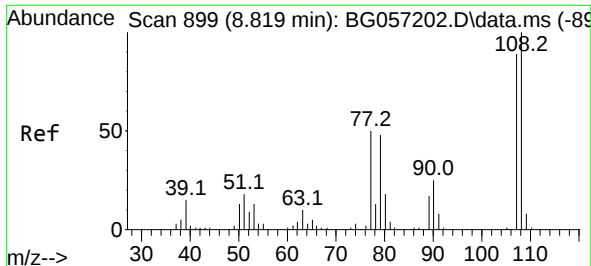
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.718 ng
RT: 8.882 min Scan# 910
Delta R.T. 0.004 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

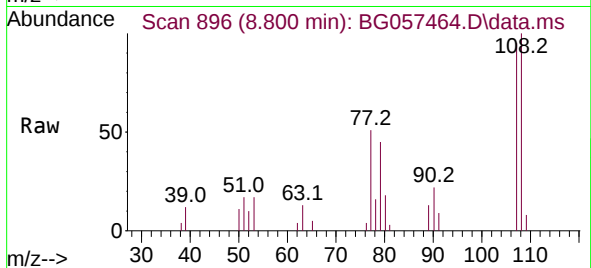
Tgt Ion: 45	Resp: 9886
Ion Ratio	Lower Upper
45 100	
77 18.4	0.0 38.5
79 12.5	0.0 33.8





#17
2-Methylphenol
Concen: 6.734 ng
RT: 8.800 min Scan# 899
Delta R.T. 0.004 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

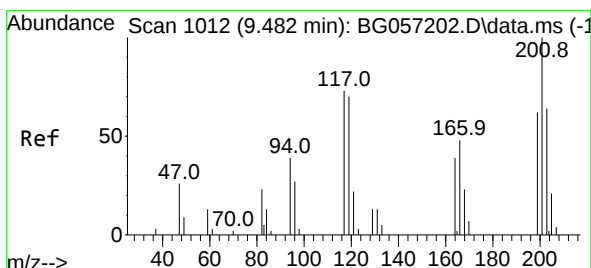
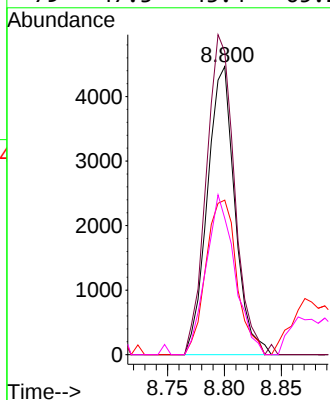
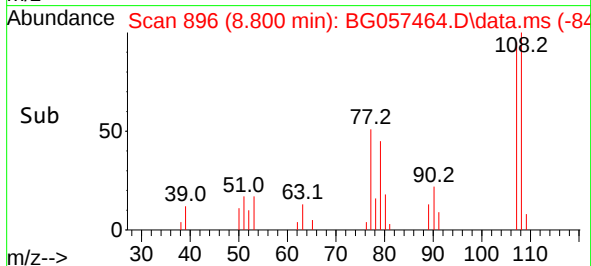
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



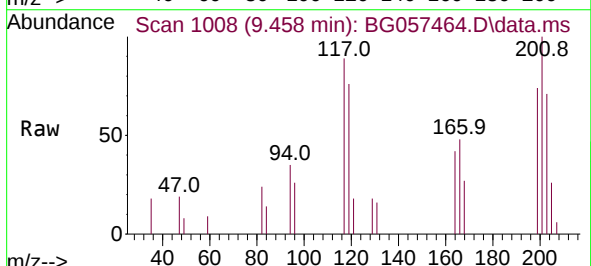
Tgt Ion:	107	Resp:	751
Ion Ratio	Lower	Upper	
107	100		
108	105.2	89.5	134.3
77	53.6	45.1	67.7
79	47.3	43.4	65.2

Manual Integrations
APPROVED

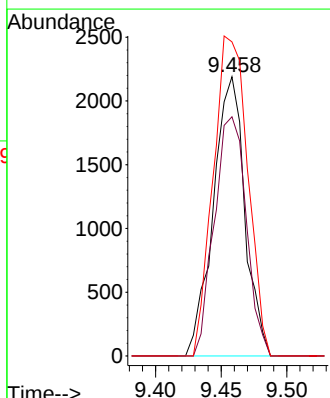
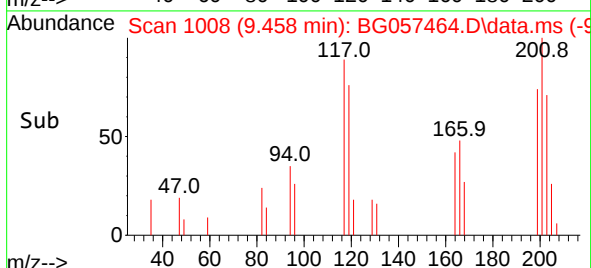
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

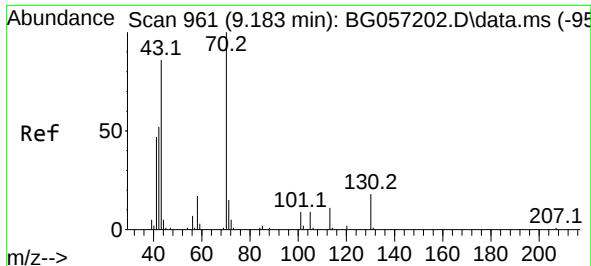


#18
Hexachloroethane
Concen: 8.262 ng
RT: 9.458 min Scan# 1008
Delta R.T. 0.004 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12



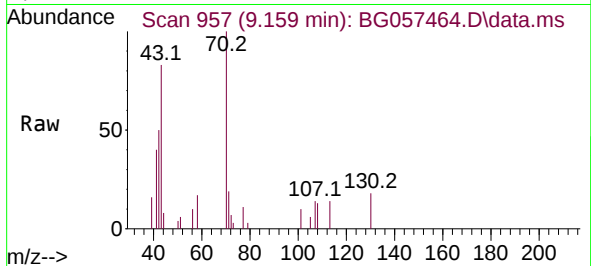
Tgt Ion:	117	Resp:	3653
Ion Ratio	Lower	Upper	
117	100		
119	85.7	76.7	115.1
201	112.5	109.0	163.4





#19
n-Nitroso-di-n-propylamine
Concen: 6.703 ng
RT: 9.159 min Scan# 911
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

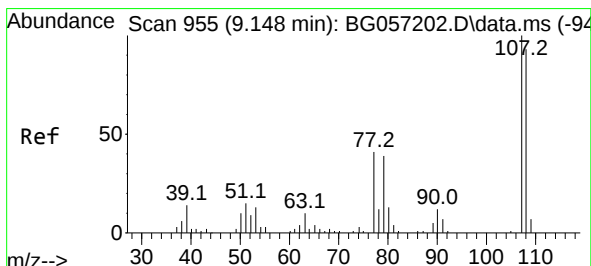
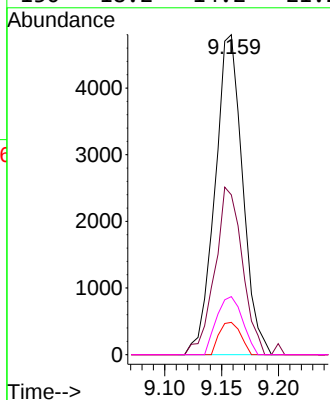
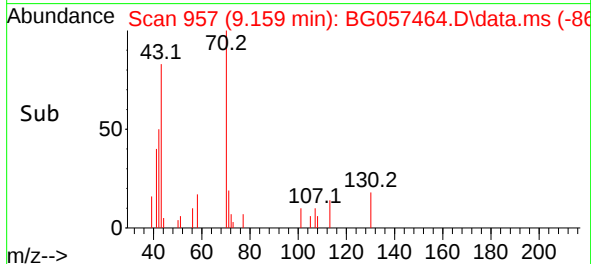
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



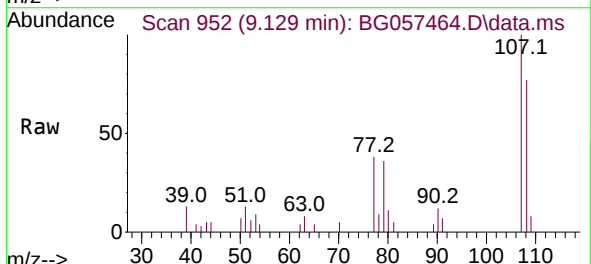
Tgt Ion: 70 Resp: 811
Ion Ratio Lower Upper
70 100
42 49.9 41.8 62.8
101 10.1 6.8 10.2
130 18.2 14.2 21.2

Manual Integrations
APPROVED

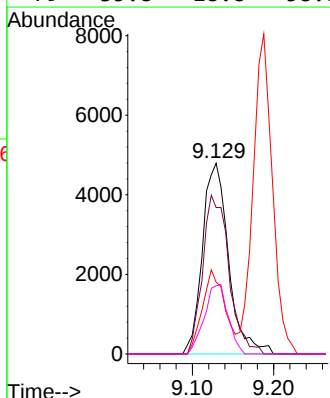
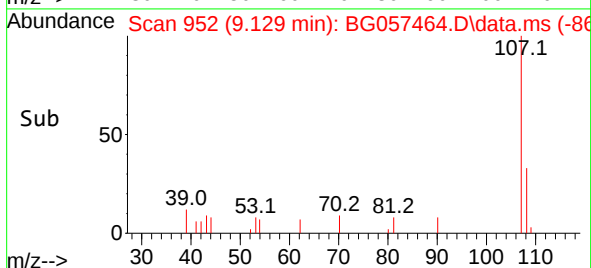
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

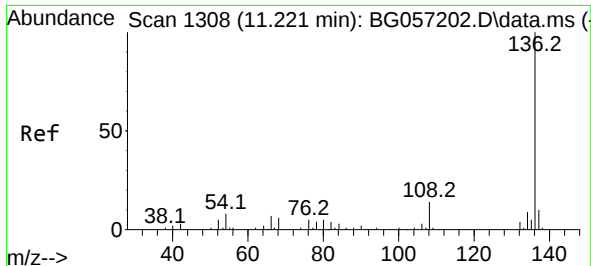


#20
3+4-Methylphenols
Concen: 7.003 ng
RT: 9.129 min Scan# 952
Delta R.T. 0.004 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12



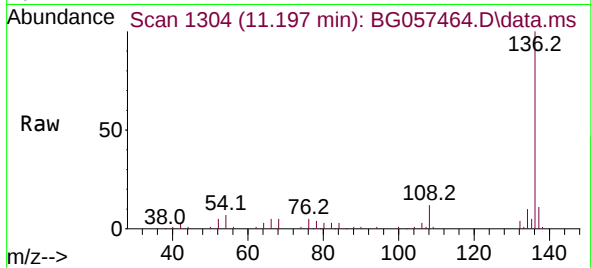
Tgt Ion:107 Resp: 10702
Ion Ratio Lower Upper
107 100
108 76.7 73.5 113.5
77 37.7 21.1 61.1
79 35.8 18.8 58.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.197 min Scan# 1119
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

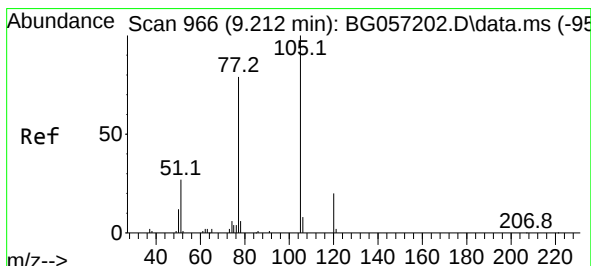
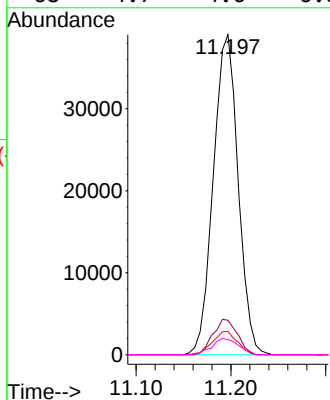
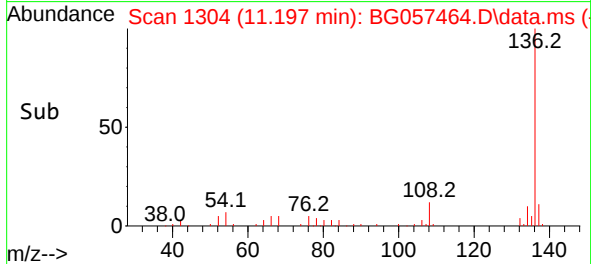
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:136 Resp: 70928
Ion Ratio Lower Upper
136 100
137 10.7 8.3 12.5
54 7.3 6.7 10.1
68 4.7 4.6 6.8

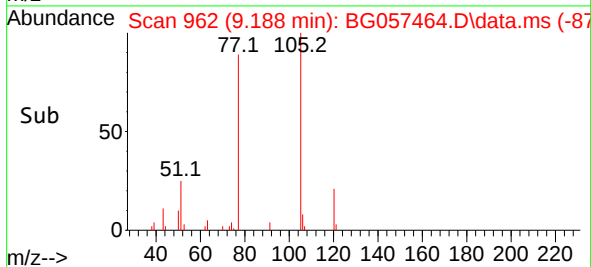
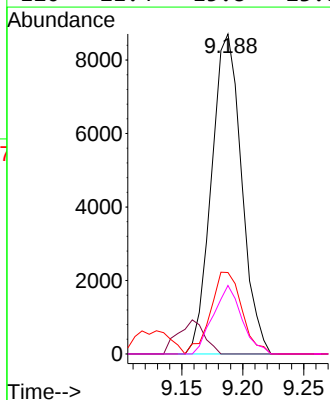
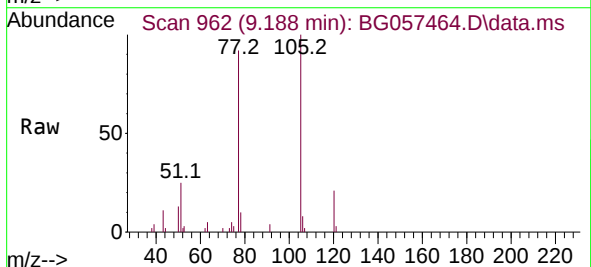
Manual Integrations
APPROVED

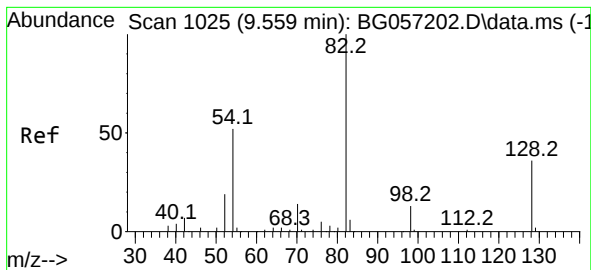
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#22
Acetophenone
Concen: 7.363 ng
RT: 9.188 min Scan# 962
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

Tgt Ion:105 Resp: 14948
Ion Ratio Lower Upper
105 100
71 0.0 0.4 0.6#
51 25.5 24.0 36.0
120 21.4 15.8 23.8





#23

Nitrobenzene-d5

Concen: 72.095 ng

RT: 9.540 min Scan# 1025

Delta R.T. 0.004 min

Lab File: BG057464.D

Acq: 19 May 2023 12:12

Instrument :

BNA_G

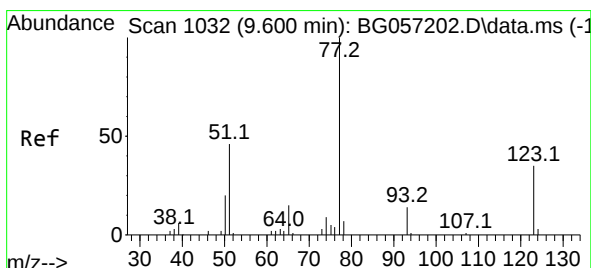
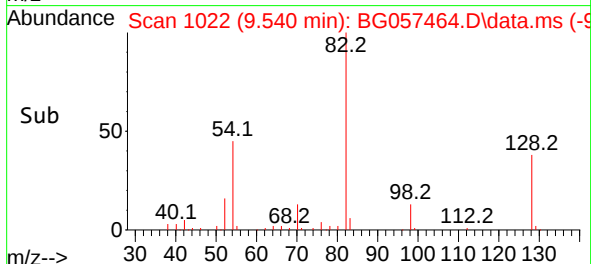
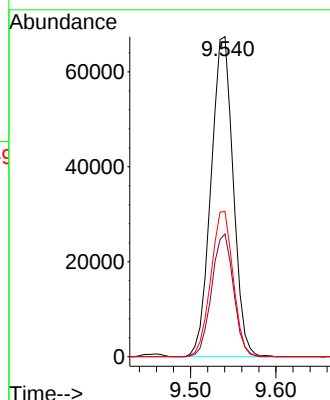
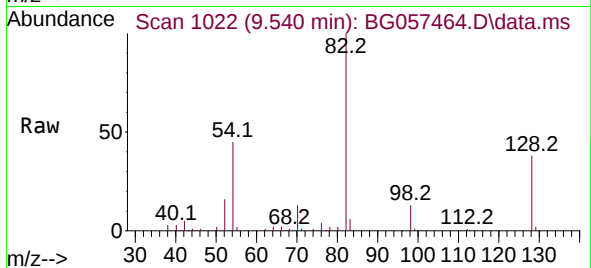
ClientSampleId :

MDL-SOIL-03-QT2-2023

Tgt Ion: 82 Resp: 12183
 Ion Ratio Lower Upper
 82 100
 128 38.3 29.0 43.4
 54 45.4 41.4 62.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/22/2023
 Supervised By :Jagrut Upadhyay 05/22/2023



#24

Nitrobenzene

Concen: 7.208 ng

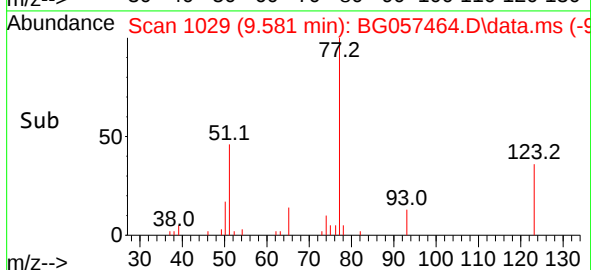
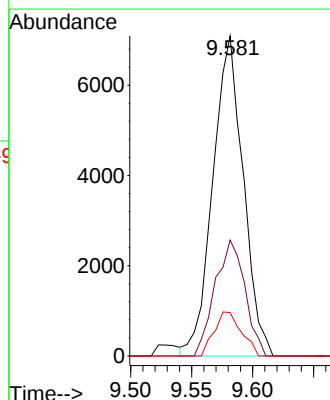
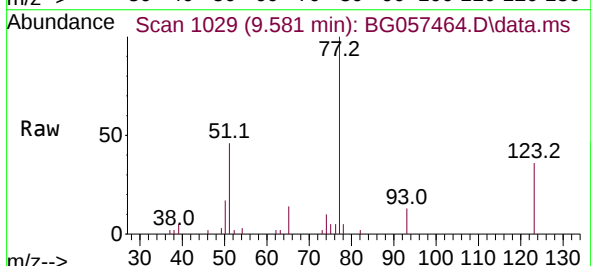
RT: 9.581 min Scan# 1029

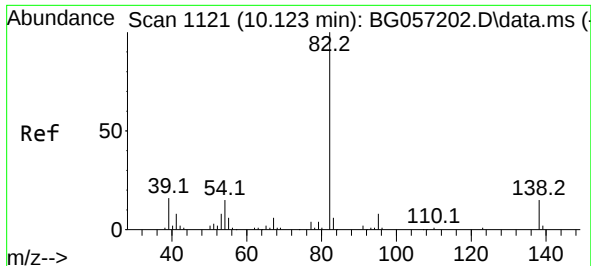
Delta R.T. -0.002 min

Lab File: BG057464.D

Acq: 19 May 2023 12:12

Tgt Ion: 77 Resp: 12295
 Ion Ratio Lower Upper
 77 100
 123 36.2 28.2 42.2
 65 13.6 11.7 17.5





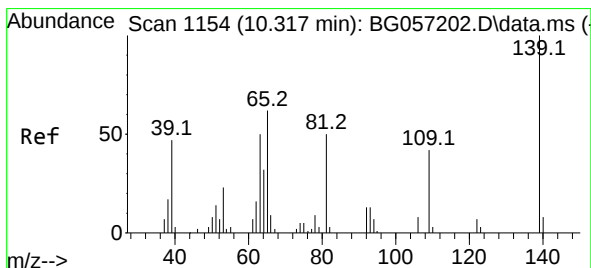
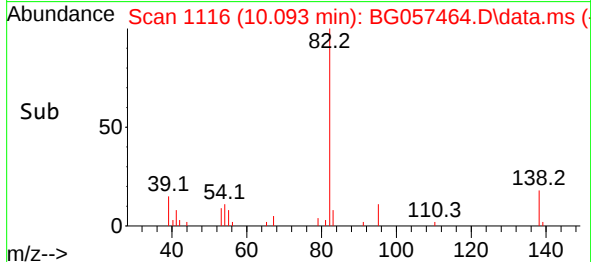
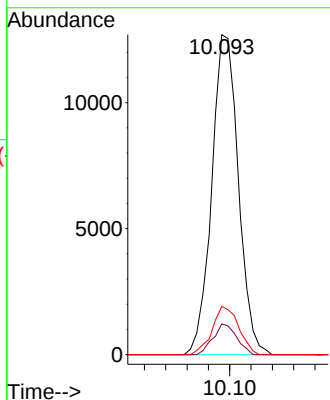
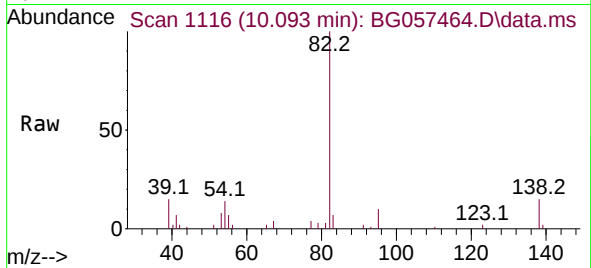
#25
Isophorone
Concen: 6.714 ng
RT: 10.093 min Scan# 1116
Delta R.T. -0.008 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion: 82 Resp: 2200
Ion Ratio Lower Upper
82 100
95 9.6 6.4 9.6
138 15.1 12.3 18.5

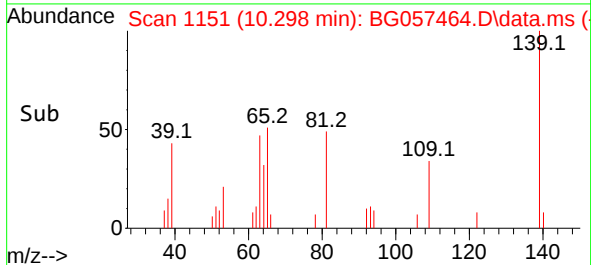
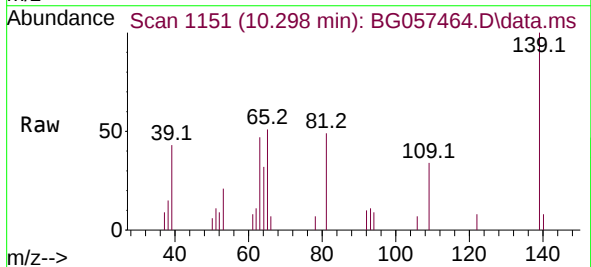
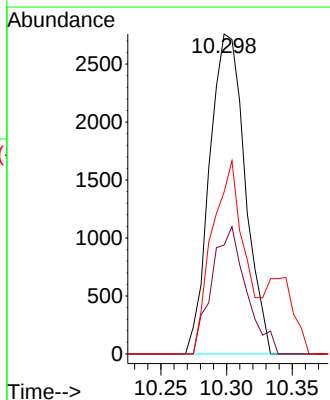
Manual Integrations
APPROVED

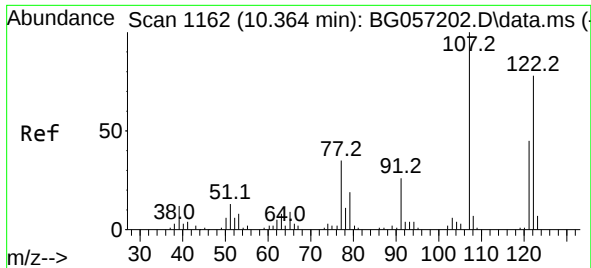
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#26
2-Nitrophenol
Concen: 7.948 ng
RT: 10.298 min Scan# 1151
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

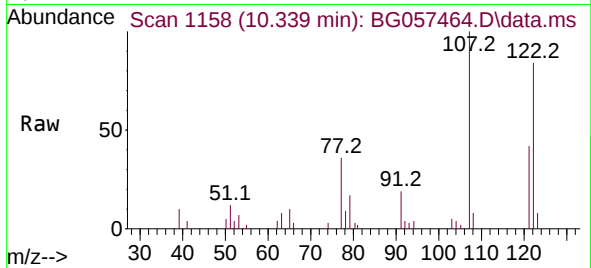
Tgt Ion:139 Resp: 5189
Ion Ratio Lower Upper
139 100
109 34.1 33.4 50.2
65 50.6 49.8 74.6





#27
2,4-Dimethylphenol
Concen: 7.824 ng
RT: 10.339 min Scan# 1158
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

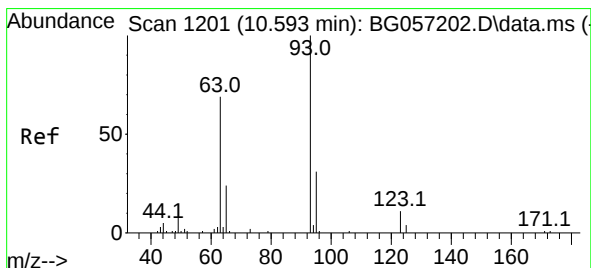
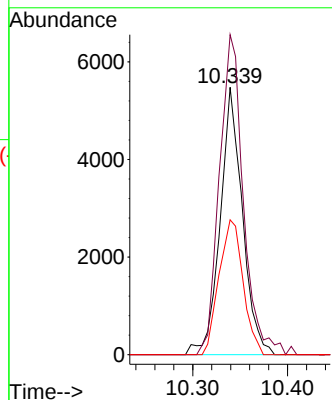
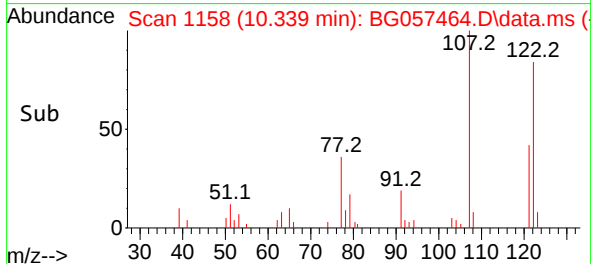
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:122 Resp: 894
Ion Ratio Lower Upper
122 100
107 119.7 103.0 154.4
121 50.5 45.9 68.9

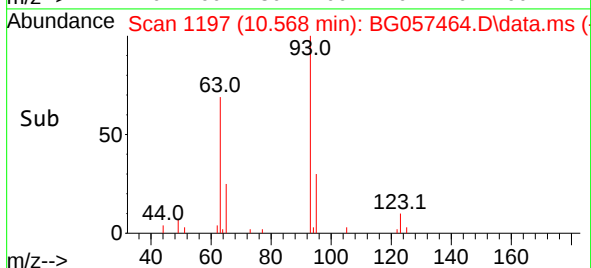
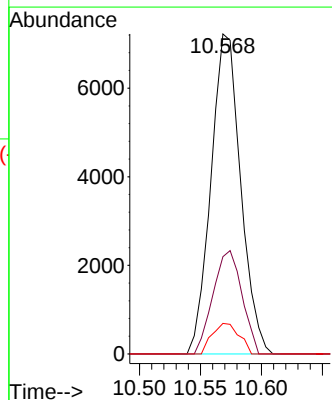
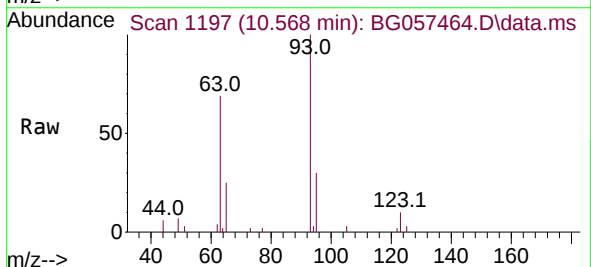
Manual Integrations
APPROVED

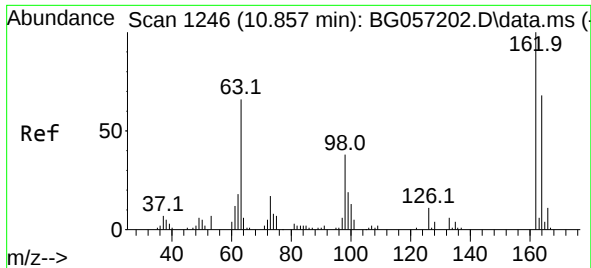
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#28
bis(2-Chloroethoxy)methane
Concen: 7.452 ng
RT: 10.568 min Scan# 1197
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

Tgt Ion: 93 Resp: 12234
Ion Ratio Lower Upper
93 100
95 30.4 25.0 37.6
123 9.5 8.5 12.7





#29

2,4-Dichlorophenol

Concen: 8.140 ng

RT: 10.844 min Scan# 11

Delta R.T. 0.004 min

Lab File: BG057464.D

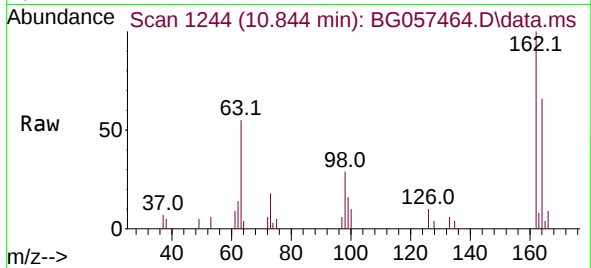
Acq: 19 May 2023 12:12

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2023



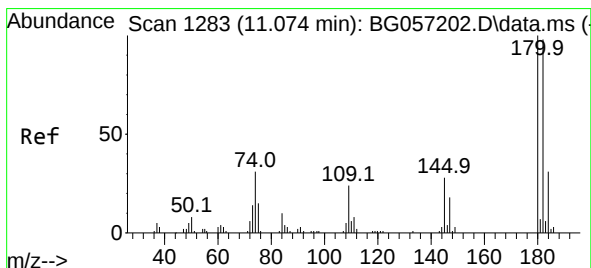
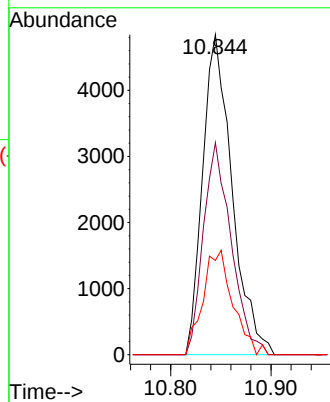
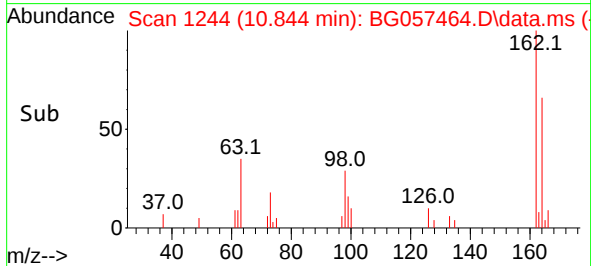
Tgt Ion:	162	Resp:	9870
Ion Ratio	Lower	Upper	
162	100		
164	66.3	48.4	88.4
98	29.5	17.6	57.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/22/2023

Supervised By :Jagrut Upadhyay 05/22/2023



#30

1,2,4-Trichlorobenzene

Concen: 7.904 ng

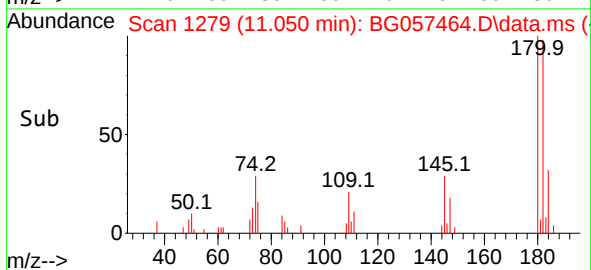
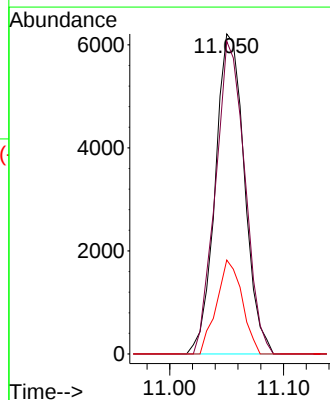
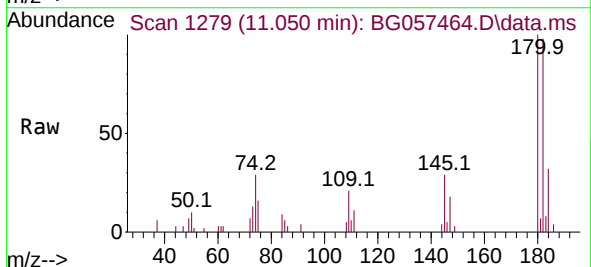
RT: 11.050 min Scan# 1279

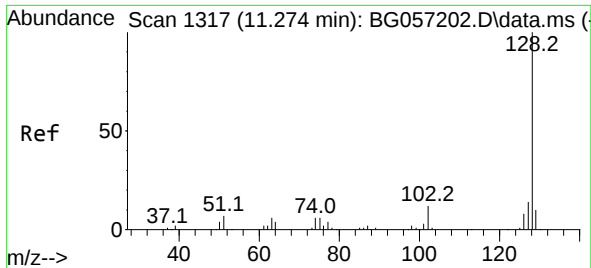
Delta R.T. -0.002 min

Lab File: BG057464.D

Acq: 19 May 2023 12:12

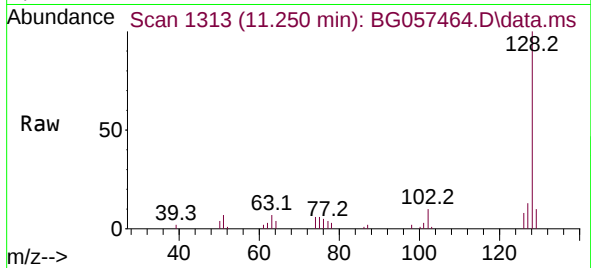
Tgt Ion:	180	Resp:	11054
Ion Ratio	Lower	Upper	
180	100		
182	97.7	78.0	117.0
145	29.4	22.4	33.6





#31
Naphthalene
Concen: 7.744 ng
RT: 11.250 min Scan# 1195
Delta R.T. 0.004 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

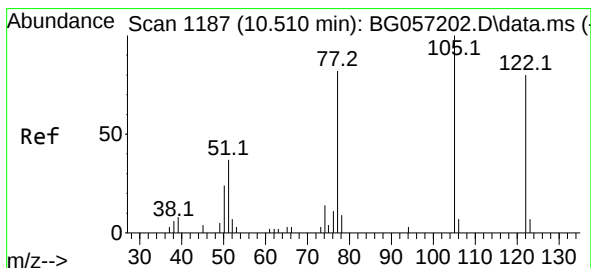
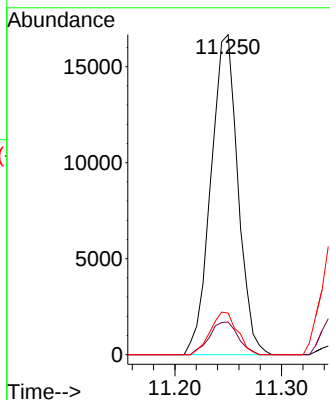
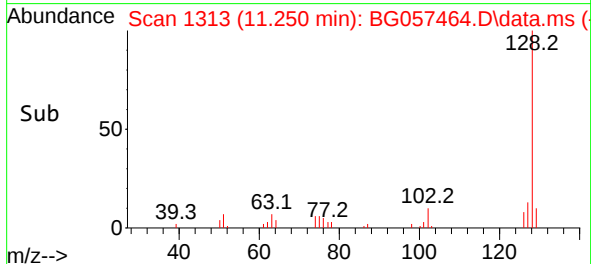
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:128 Resp: 29364
Ion Ratio Lower Upper
128 100
129 10.2 8.3 12.5
127 13.0 11.1 16.7

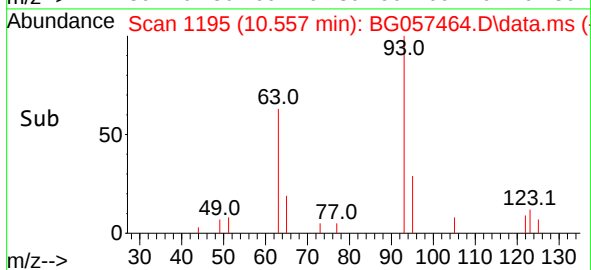
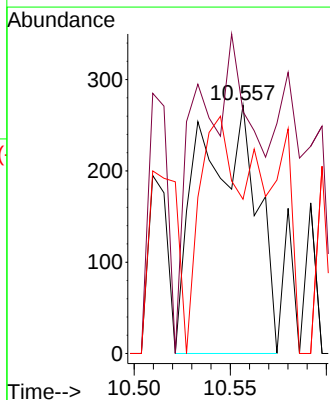
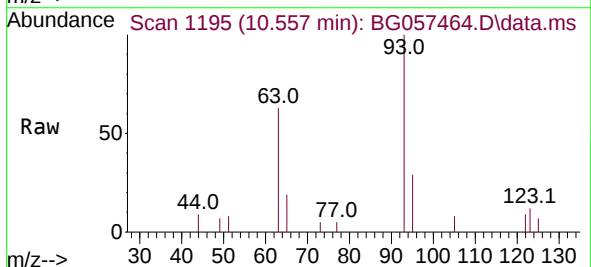
Manual Integrations
APPROVED

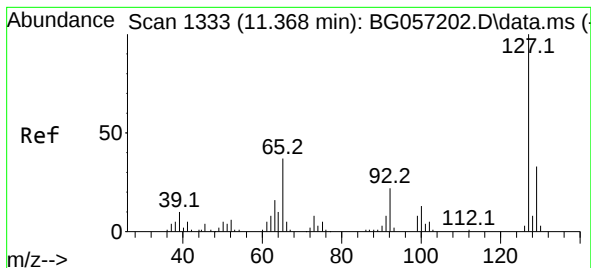
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#32
Benzoic acid
Concen: 5.483 ng m
RT: 10.557 min Scan# 1195
Delta R.T. 0.068 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

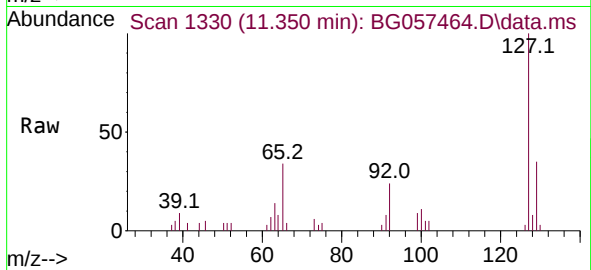
Tgt Ion:122 Resp: 560
Ion Ratio Lower Upper
122 100
105 97.4 105.2 145.2#
77 62.1 83.1 123.1#





#33
4-Chloroaniline
Concen: 7.402 ng
RT: 11.350 min Scan# 1133
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

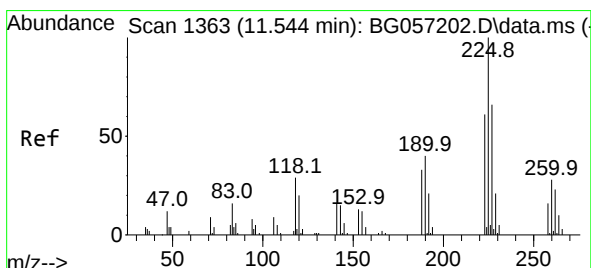
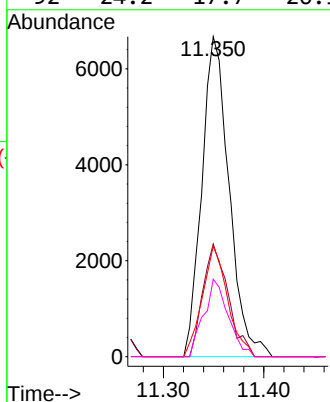
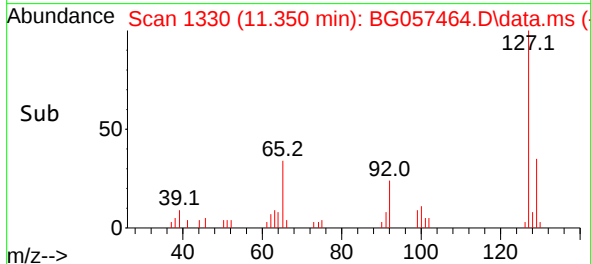
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



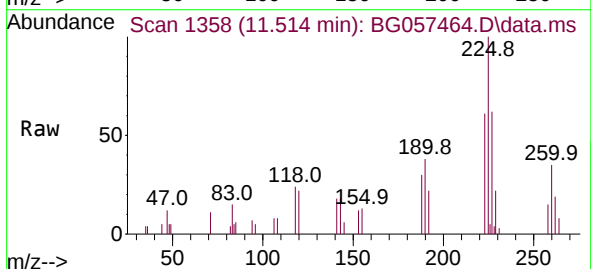
Tgt Ion	Ratio	Lower	Upper
127	100		
129	35.3	26.7	40.1
65	34.5	29.7	44.5
92	24.2	17.7	26.5

Manual Integrations
APPROVED

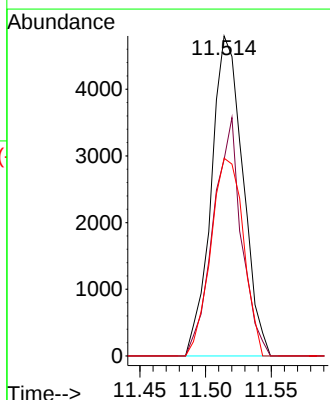
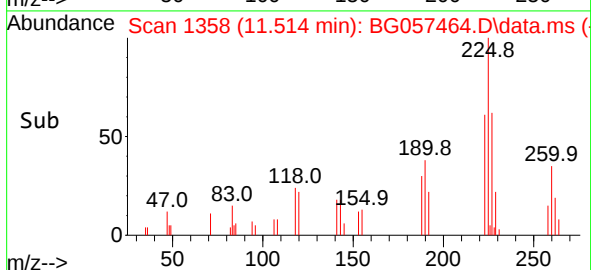
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

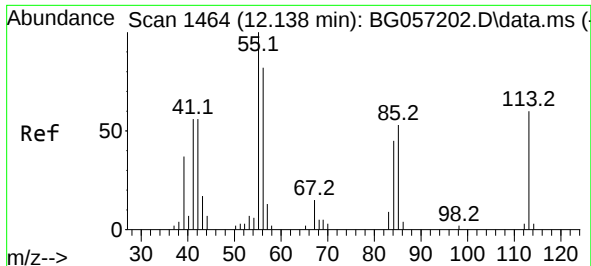


#34
Hexachlorobutadiene
Concen: 7.746 ng
RT: 11.514 min Scan# 1358
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12



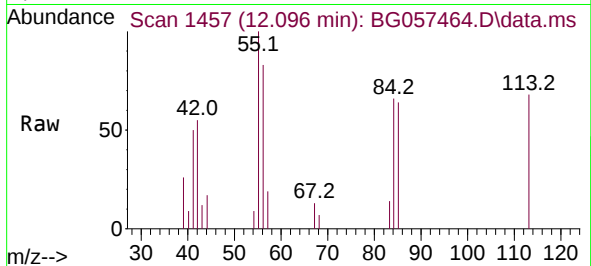
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	48.6	72.8
227	61.8	52.7	79.1





#35
Caprolactam
Concen: 7.673 ng
RT: 12.096 min Scan# 1464
Delta R.T. -0.026 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

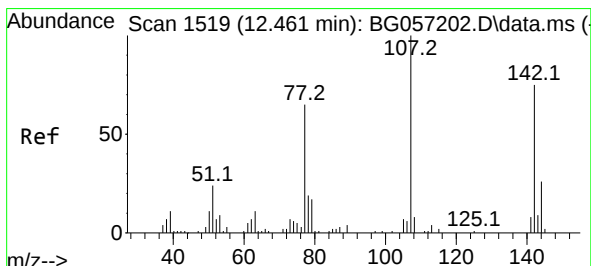
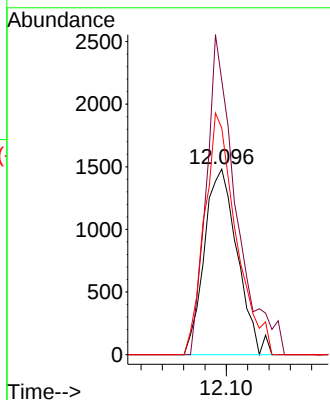
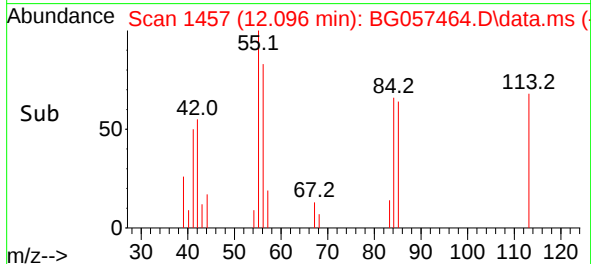
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



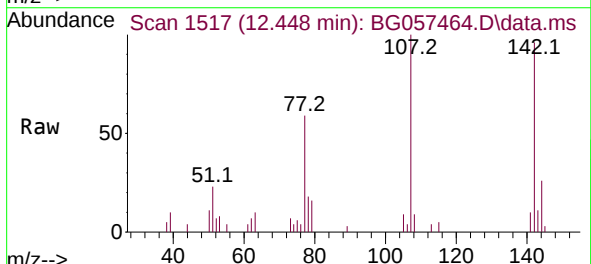
Tgt Ion:113 Resp: 3178
Ion Ratio Lower Upper
113 100
55 147.8 145.5 185.5
56 122.1 115.9 155.9

Manual Integrations
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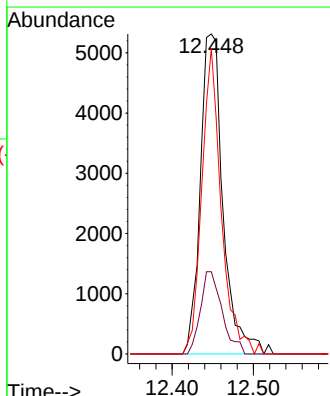
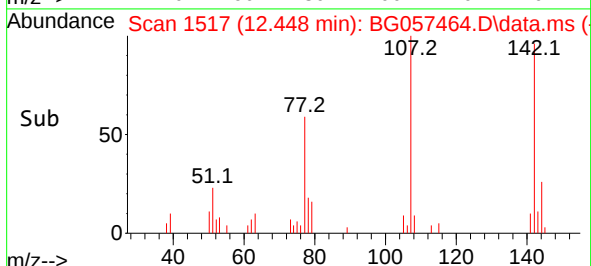
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

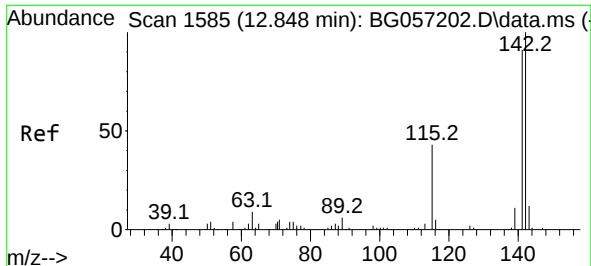


#36
4-Chloro-3-methylphenol
Concen: 7.522 ng
RT: 12.448 min Scan# 1517
Delta R.T. 0.004 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12



Tgt Ion:107 Resp: 10365
Ion Ratio Lower Upper
107 100
144 25.7 21.0 31.6
142 95.6 60.0 90.0#





#37

2-Methylnaphthalene

Concen: 7.776 ng

RT: 12.824 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG057464.D

Acq: 19 May 2023 12:12

Instrument :

BNA_G

ClientSampleId :

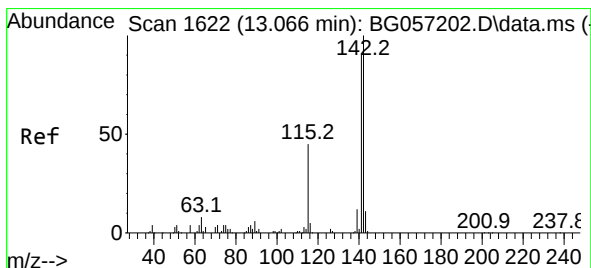
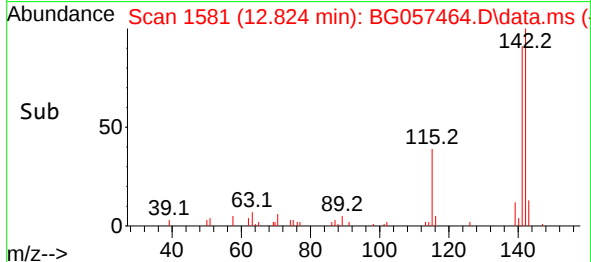
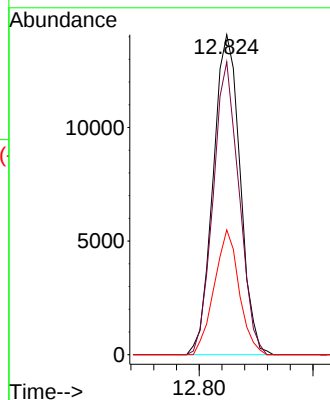
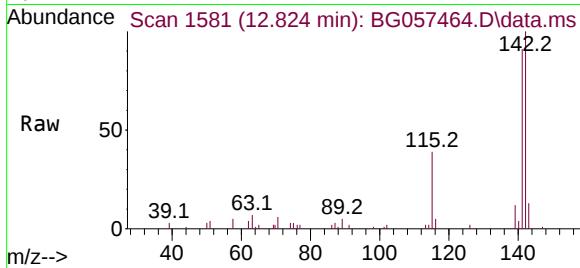
MDL-SOIL-03-QT2-2023

Tgt Ion:	142	Resp:	23184
Ion Ratio	Lower	Upper	
142	100		
141	91.5	73.1	109.7
115	39.0	34.6	52.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#38

1-Methylnaphthalene

Concen: 7.773 ng

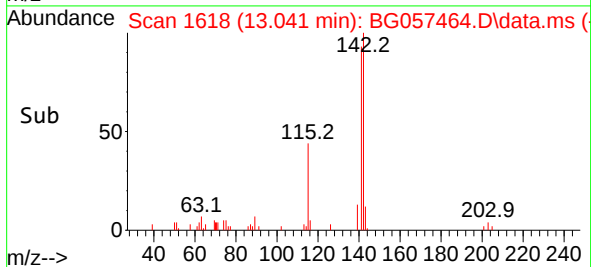
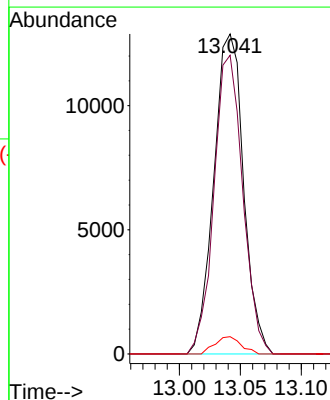
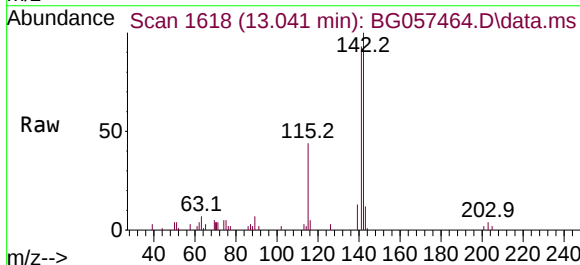
RT: 13.041 min Scan# 1618

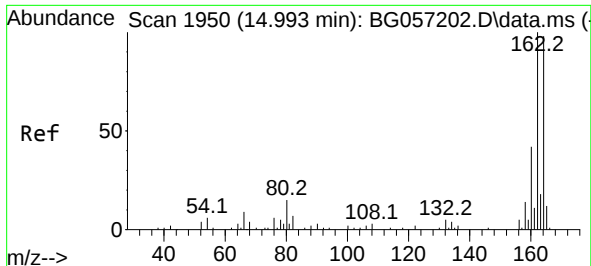
Delta R.T. -0.002 min

Lab File: BG057464.D

Acq: 19 May 2023 12:12

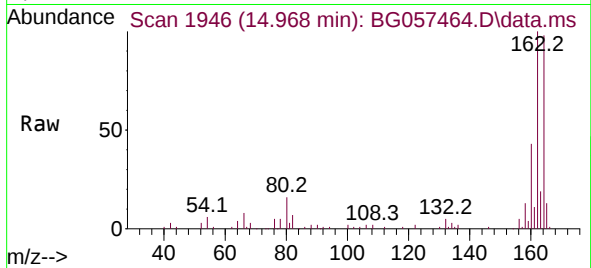
Tgt Ion:	142	Resp:	21842
Ion Ratio	Lower	Upper	
142	100		
141	93.4	72.5	108.7
116	5.4	3.7	5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.968 min Scan# 1950
Delta R.T. -0.008 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

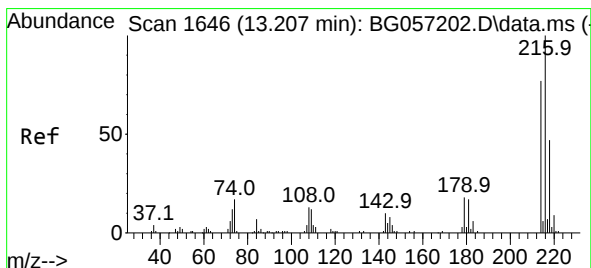
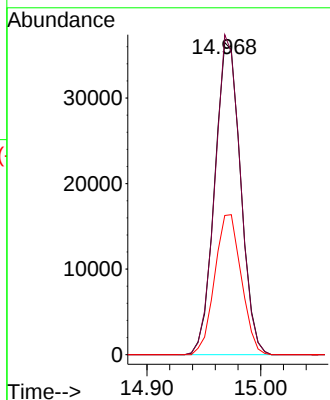
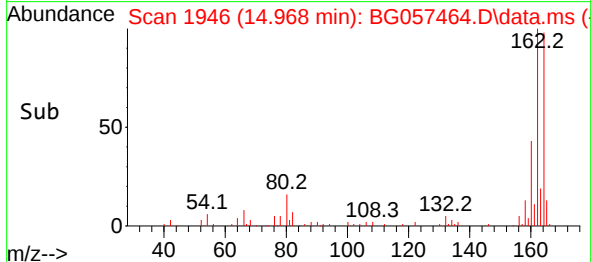
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:164 Resp: 5792
Ion Ratio Lower Upper
164 100
162 102.5 81.8 122.6
160 44.6 34.6 52.0

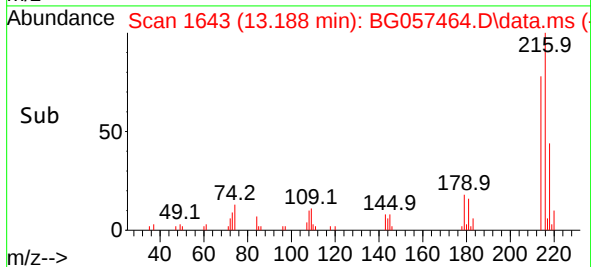
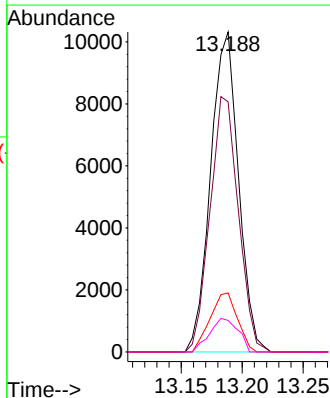
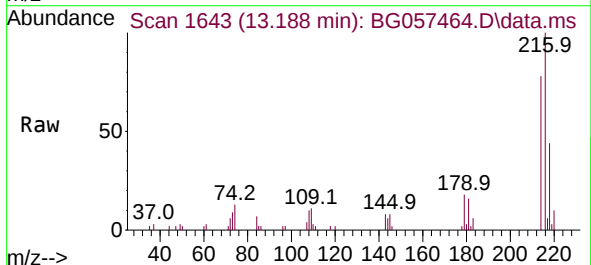
Manual Integrations
APPROVED

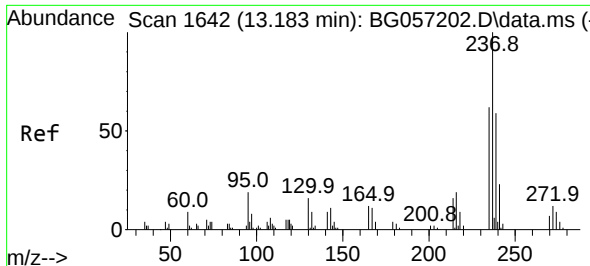
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.977 ng
RT: 13.188 min Scan# 1643
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

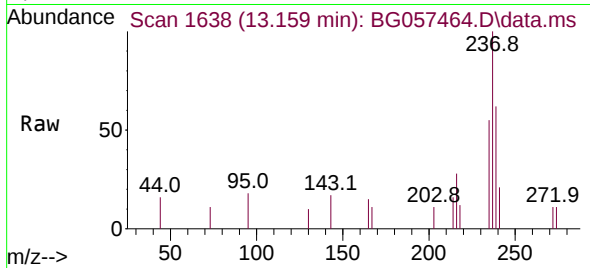
Tgt Ion:216 Resp: 16403
Ion Ratio Lower Upper
216 100
214 81.1 63.7 95.5
179 18.1 14.6 22.0
108 10.7 12.5 18.7#





#41
Hexachlorocyclopentadiene
Concen: 8.399 ng
RT: 13.159 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

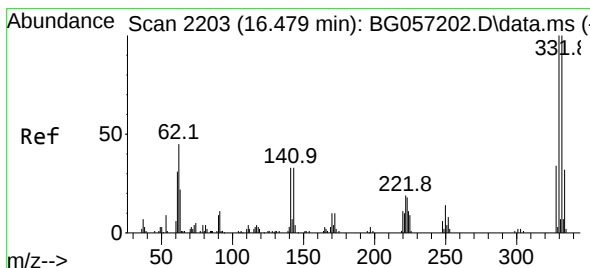
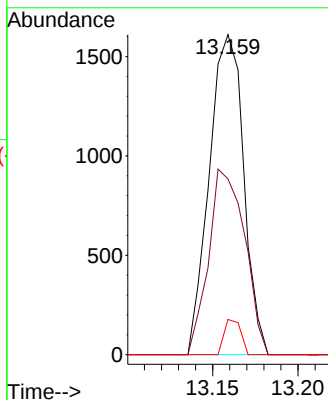
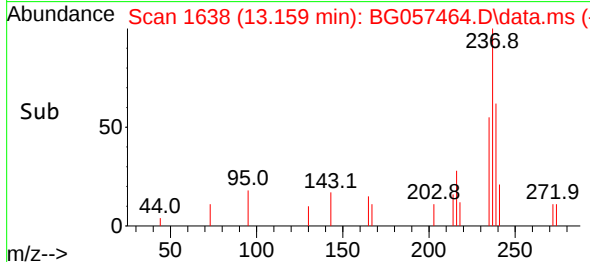
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



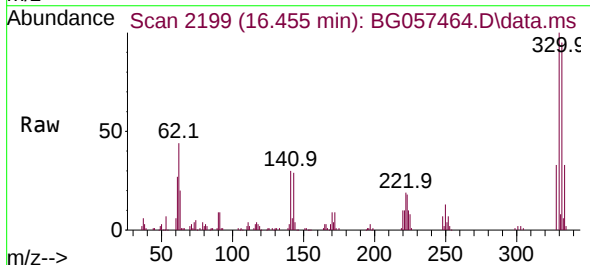
Tgt Ion:237 Resp: 225
Ion Ratio Lower Upper
237 100
235 55.0 42.0 82.0
272 11.0 0.0 31.5

Manual Integrations
APPROVED

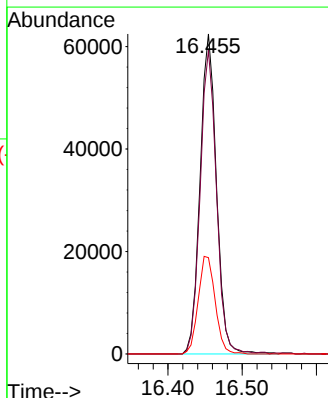
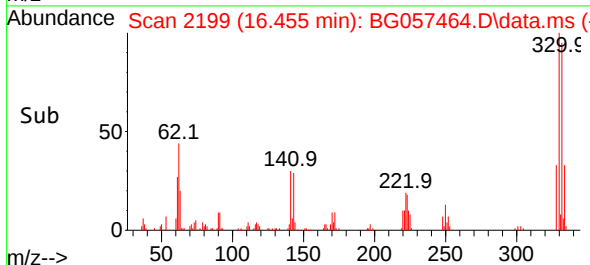
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

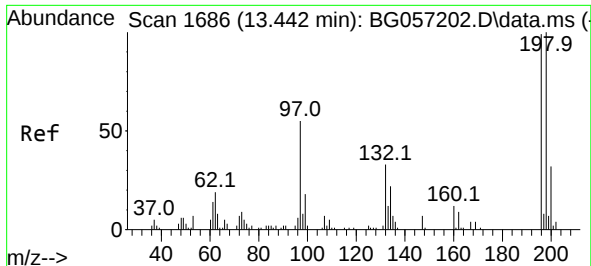


#42
2,4,6-Tribromophenol
Concen: 116.881 ng
RT: 16.455 min Scan# 2199
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12



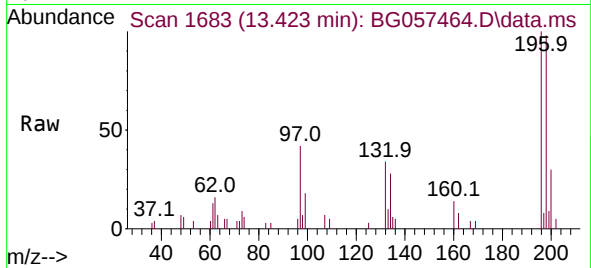
Tgt Ion:330 Resp: 96064
Ion Ratio Lower Upper
330 100
332 94.0 78.2 117.2
141 31.6 27.8 41.8





#43
2,4,6-Trichlorophenol
Concen: 7.517 ng
RT: 13.423 min Scan# 1686
Delta R.T. 0.004 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

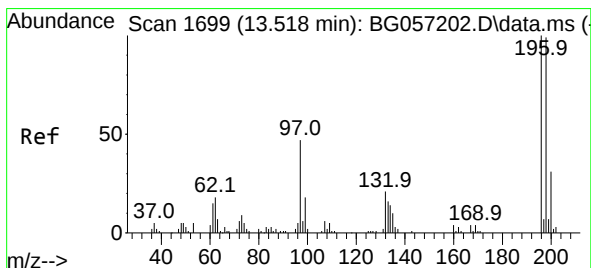
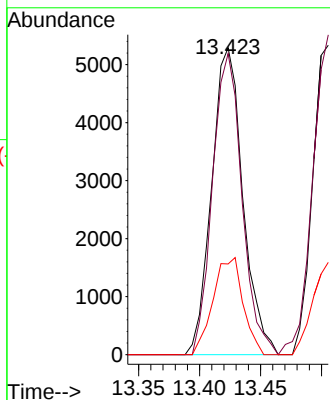
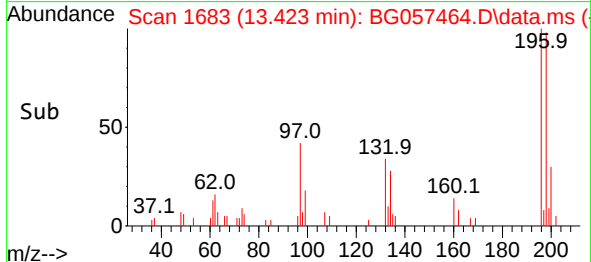
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



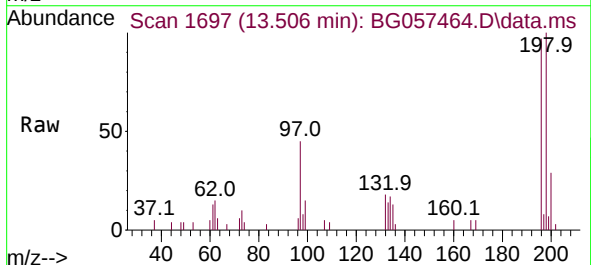
Tgt Ion:196 Resp: 941
Ion Ratio Lower Upper
196 100
198 98.1 81.2 121.8
200 29.5 26.3 39.5

Manual Integrations
APPROVED

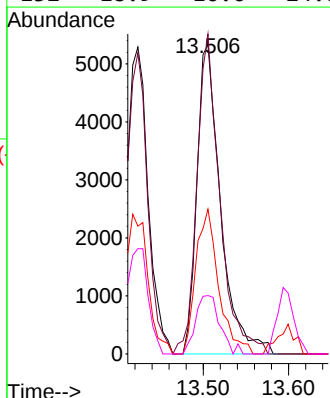
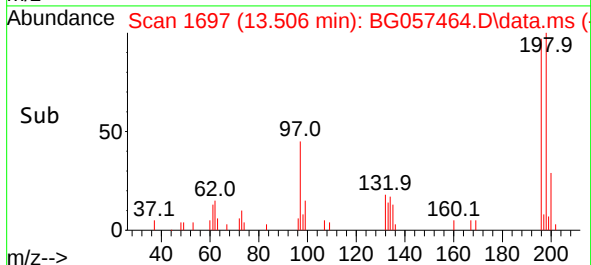
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

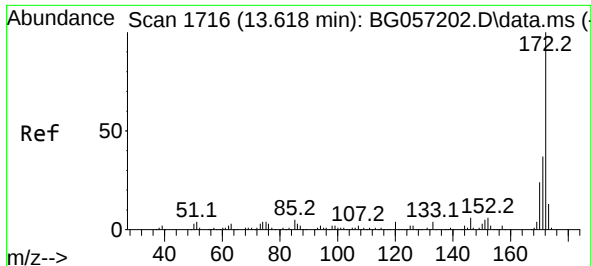


#44
2,4,5-Trichlorophenol
Concen: 6.980 ng
RT: 13.506 min Scan# 1697
Delta R.T. 0.004 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12



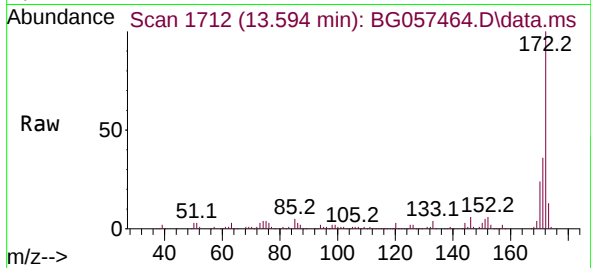
Tgt Ion:196 Resp: 10286
Ion Ratio Lower Upper
196 100
198 103.4 79.4 119.2
97 46.8 37.0 55.4
132 18.9 16.6 24.8





#45
2-Fluorobiphenyl
Concen: 74.982 ng
RT: 13.594 min Scan# 1712
Delta R.T. -0.008 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

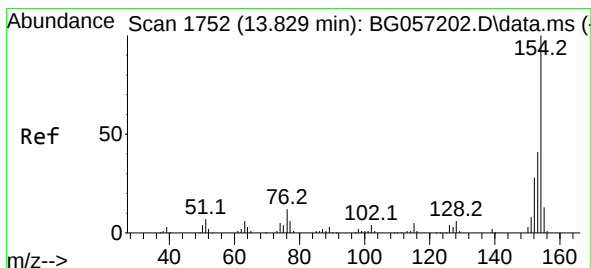
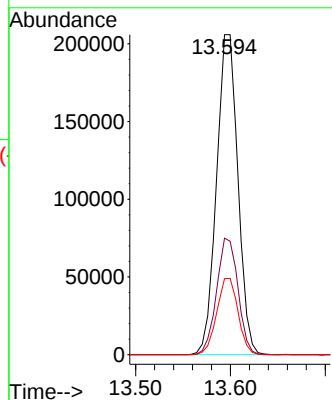
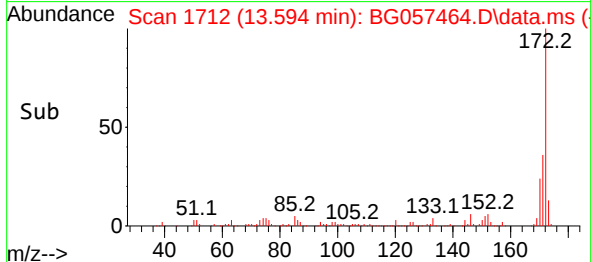
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



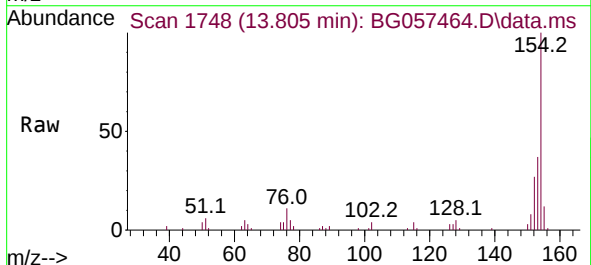
Tgt Ion:172 Resp: 322492
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 23.8 19.0 28.6

Manual Integrations
APPROVED

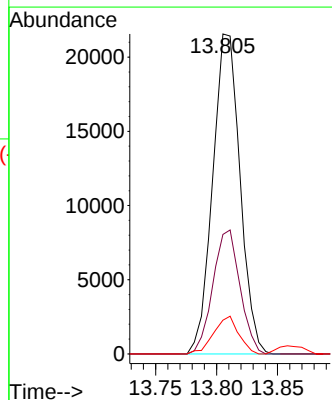
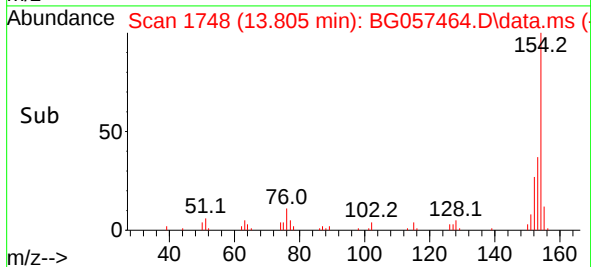
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#46
1,1'-Biphenyl
Concen: 7.827 ng
RT: 13.805 min Scan# 1748
Delta R.T. -0.008 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12



Tgt Ion:154 Resp: 33644
Ion Ratio Lower Upper
154 100
153 37.4 20.9 60.9
76 10.5 0.0 31.7





#47

2-Chloronaphthalene

Concen: 7.853 ng

RT: 13.864 min Scan# 1758

Delta R.T. -0.002 min

Lab File: BG057464.D

Acq: 19 May 2023 12:12

Instrument :

BNA_G

ClientSampleId :

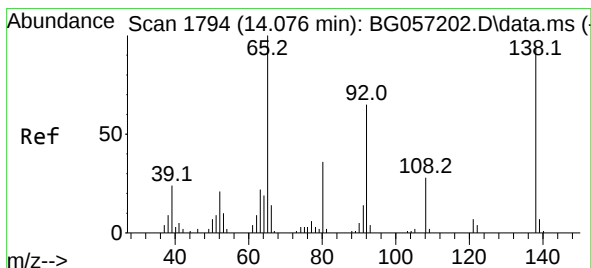
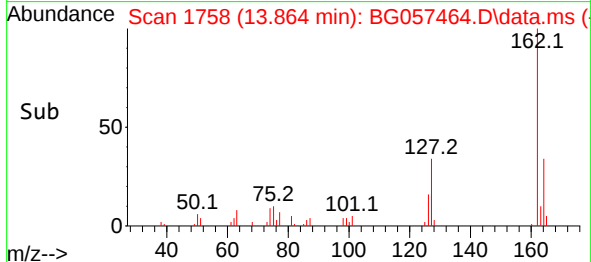
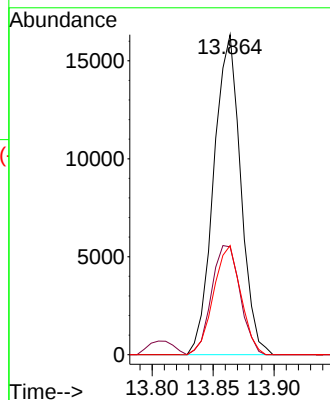
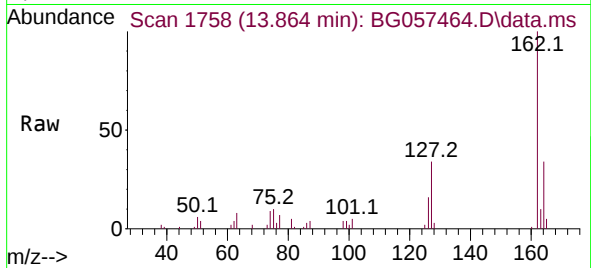
MDL-SOIL-03-QT2-2023

Tgt Ion:	162	Resp:	2510
Ion Ratio	Lower	Upper	
162	100		
127	33.7	29.8	44.6
164	34.1	26.6	40.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#48

2-Nitroaniline

Concen: 6.979 ng

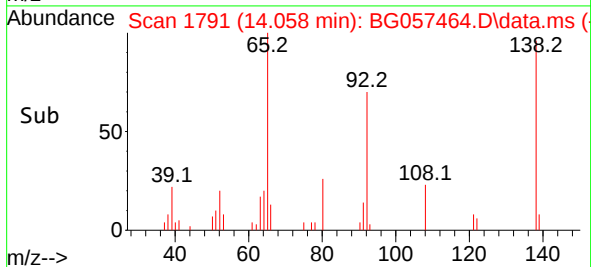
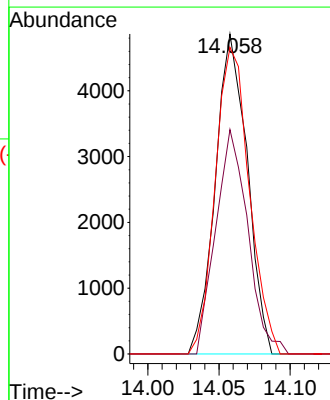
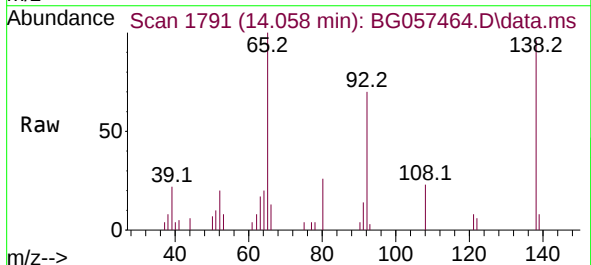
RT: 14.058 min Scan# 1791

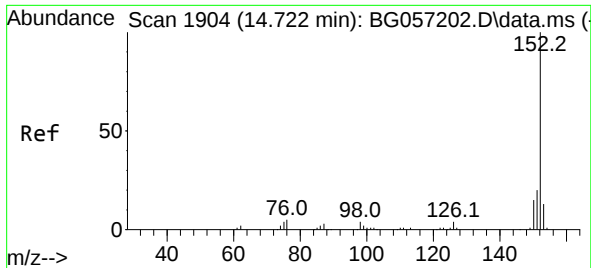
Delta R.T. -0.002 min

Lab File: BG057464.D

Acq: 19 May 2023 12:12

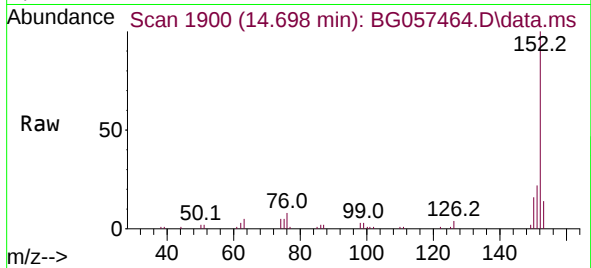
Tgt Ion:	65	Resp:	7585
Ion Ratio	Lower	Upper	
65	100		
92	70.1	52.1	78.1
138	95.8	75.3	112.9





#49
Acenaphthylene
Concen: 7.539 ng
RT: 14.698 min Scan# 1900
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

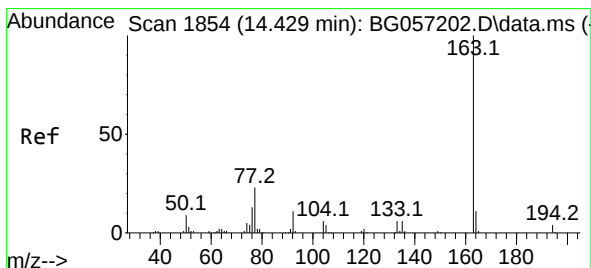
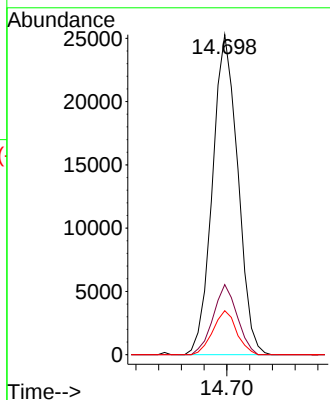
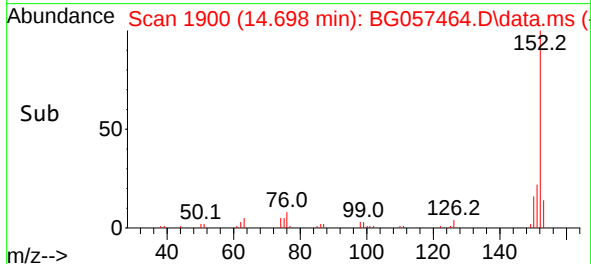
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT2-2023



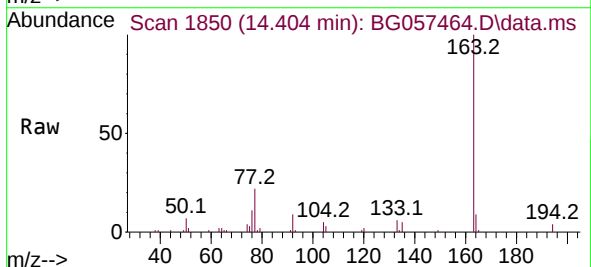
Tgt Ion:152 Resp: 39150
Ion Ratio Lower Upper
152 100
151 21.9 16.0 24.0
153 13.7 10.7 16.1

Manual Integrations
APPROVED

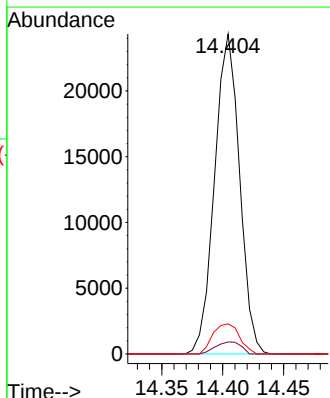
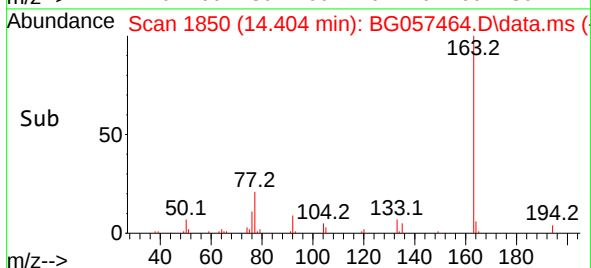
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

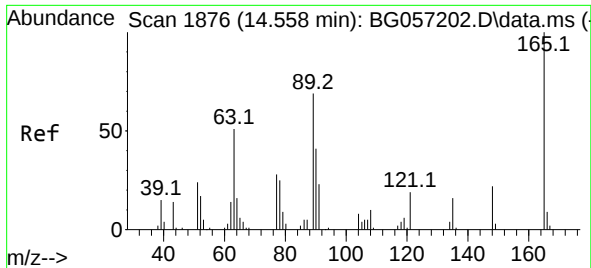


#50
Dimethylphthalate
Concen: 7.281 ng
RT: 14.404 min Scan# 1850
Delta R.T. -0.008 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12



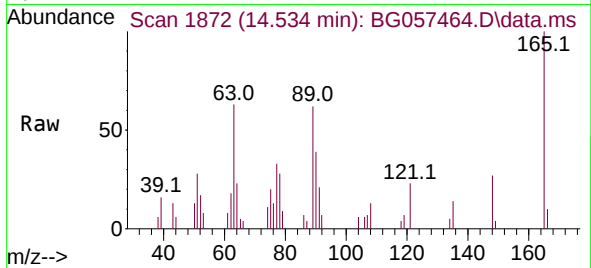
Tgt Ion:163 Resp: 34660
Ion Ratio Lower Upper
163 100
194 3.7 3.4 5.2
164 9.4 8.8 13.2





#51
2,6-Dinitrotoluene
Concen: 7.244 ng
RT: 14.534 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

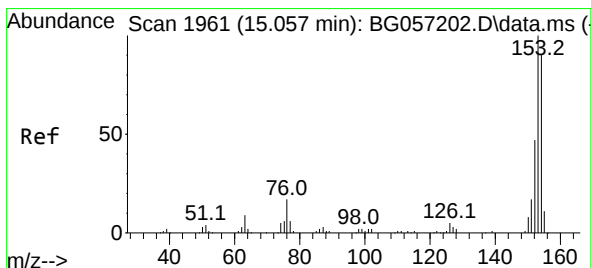
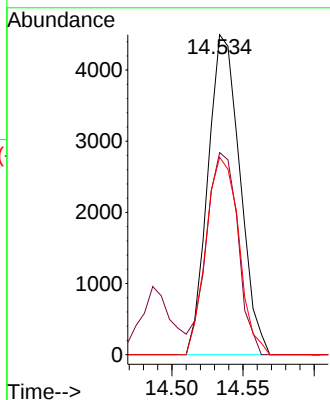
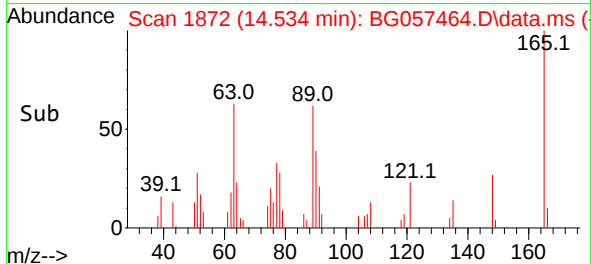
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:165 Resp: 7040
Ion Ratio Lower Upper
165 100
63 63.1 50.9 76.3
89 61.7 55.2 82.8

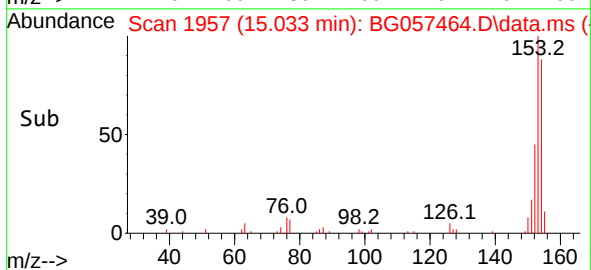
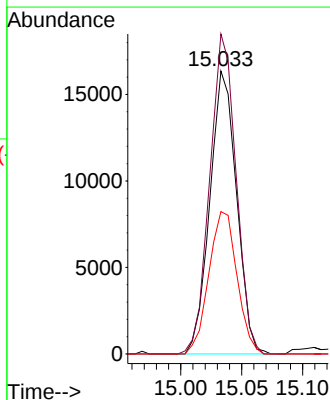
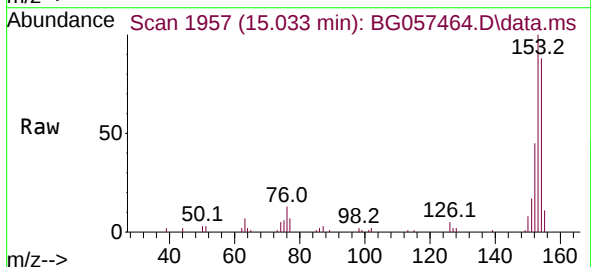
Manual Integrations
APPROVED

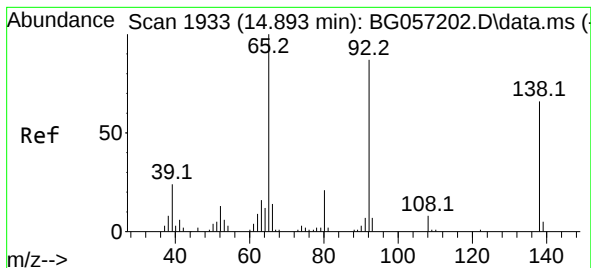
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#52
Acenaphthene
Concen: 7.674 ng
RT: 15.033 min Scan# 1957
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

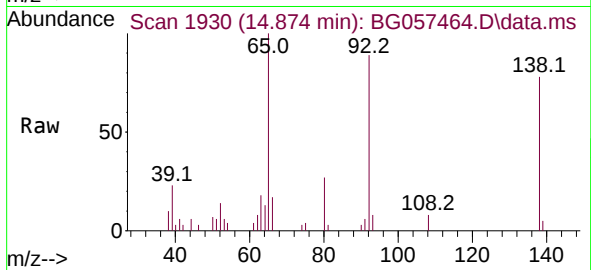
Tgt Ion:154 Resp: 24900
Ion Ratio Lower Upper
154 100
153 113.1 89.3 133.9
152 50.3 41.7 62.5





#53
3-Nitroaniline
Concen: 6.968 ng
RT: 14.874 min Scan# 1930
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

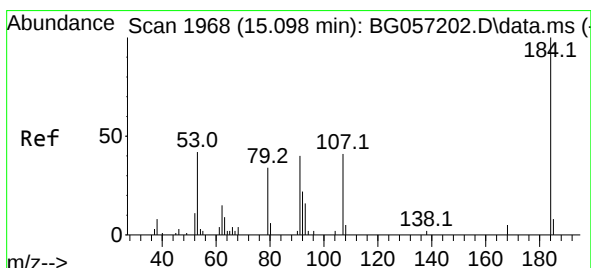
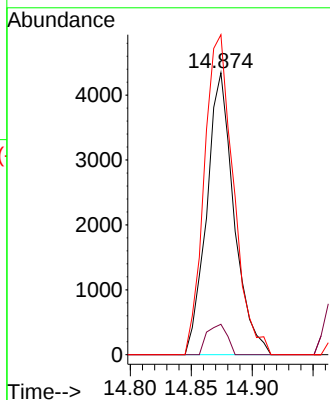
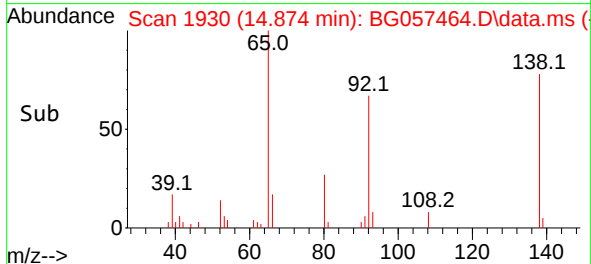
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:138 Resp: 6784
Ion Ratio Lower Upper
138 100
108 10.8 9.5 14.3
92 113.5 106.2 159.4

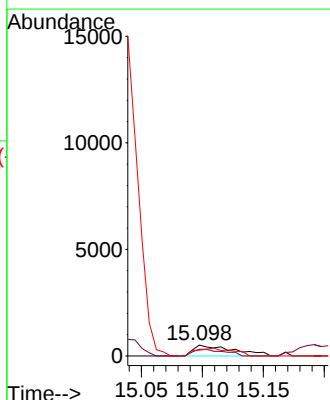
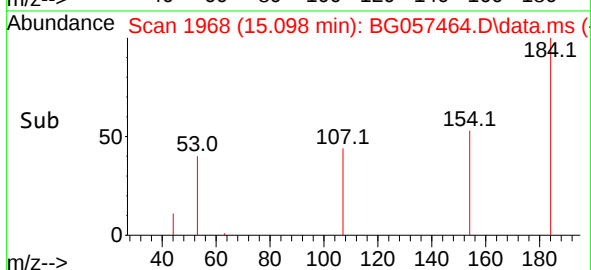
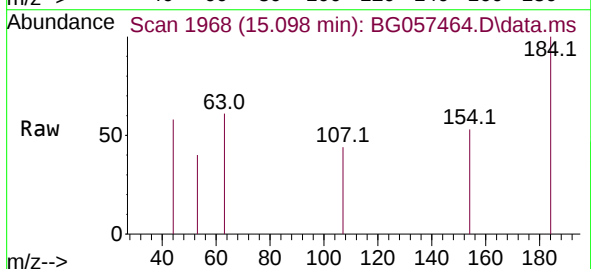
Manual Integrations
APPROVED

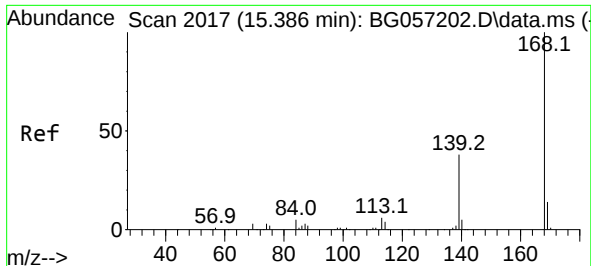
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#54
2,4-Dinitrophenol
Concen: 6.727 ng
RT: 15.098 min Scan# 1968
Delta R.T. 0.010 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

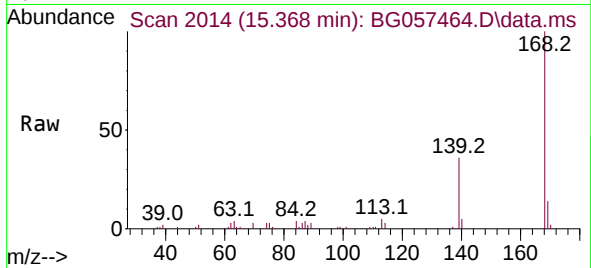
Tgt Ion:184 Resp: 1161
Ion Ratio Lower Upper
184 100
63 60.9 48.2 72.4
154 52.9 55.4 83.2#





#55
Dibenzofuran
Concen: 7.732 ng
RT: 15.368 min Scan# 2017
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

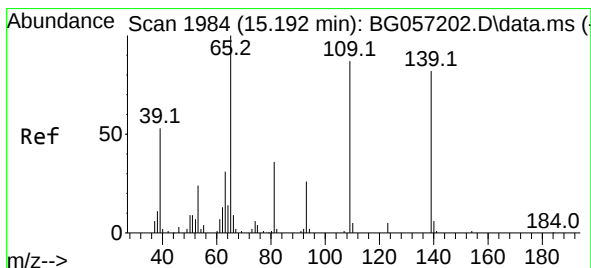
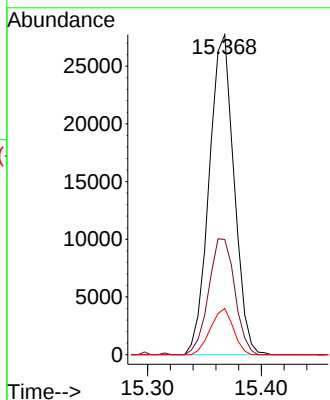
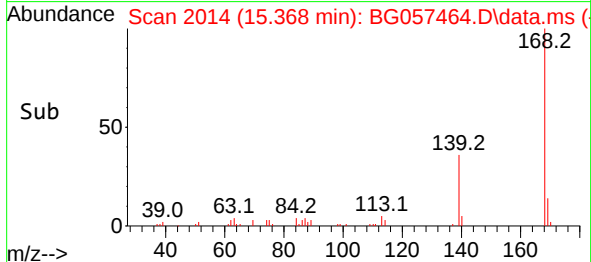
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion:168 Resp: 4215
Ion Ratio Lower Upper
168 100
139 36.0 30.7 46.1
169 14.5 10.9 16.3

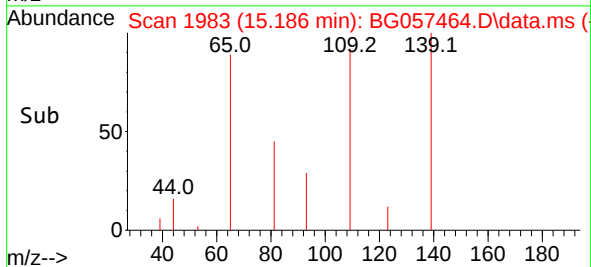
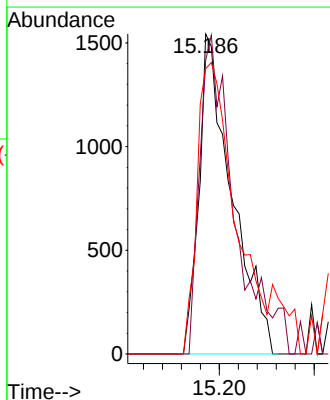
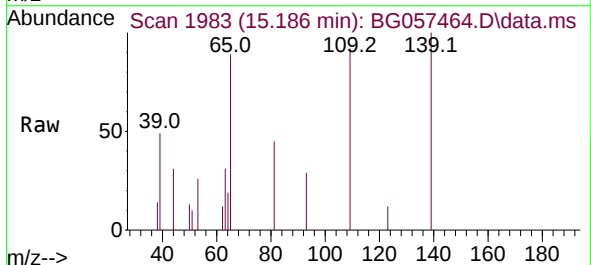
Manual Integrations
APPROVED

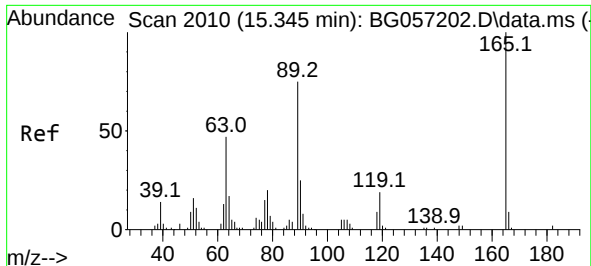
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#56
4-Nitrophenol
Concen: 5.732 ng
RT: 15.186 min Scan# 1983
Delta R.T. 0.004 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

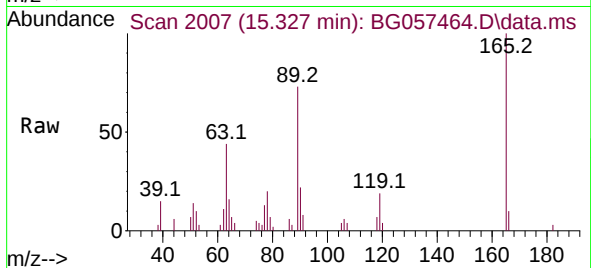
Tgt Ion:139 Resp: 3712
Ion Ratio Lower Upper
139 100
109 91.8 86.6 126.6
65 89.2 102.6 142.6#





#57
2,4-Dinitrotoluene
Concen: 7.566 ng
RT: 15.327 min Scan# 2010
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

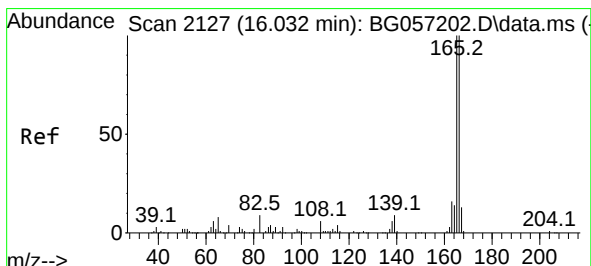
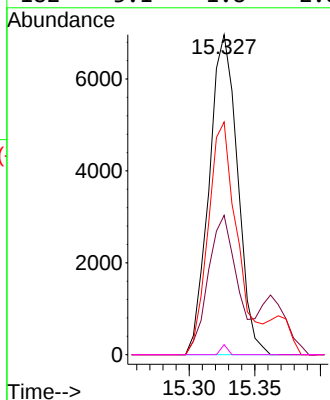
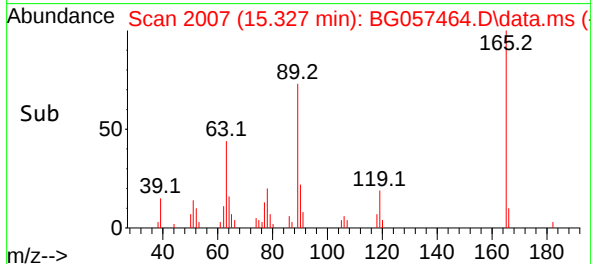
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:165 Resp: 10509
Ion Ratio Lower Upper
165 100
63 43.6 37.5 56.3
89 72.7 60.2 90.4
182 3.1 1.8 2.8#

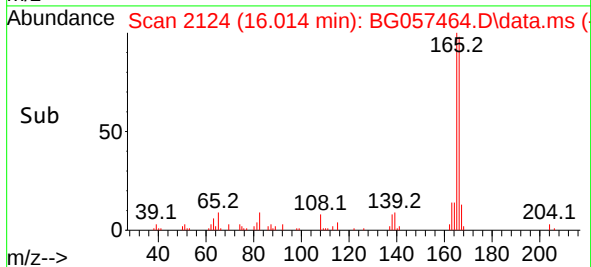
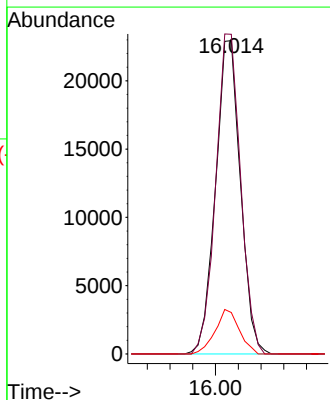
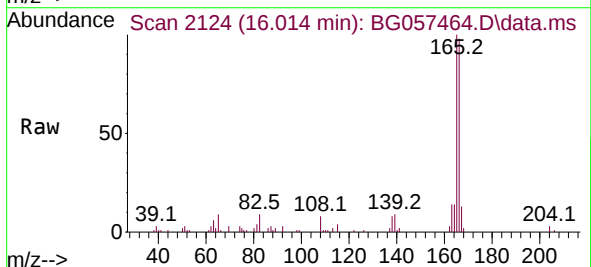
Manual Integrations
APPROVED

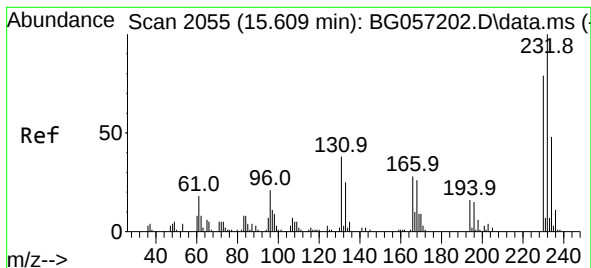
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#58
Fluorene
Concen: 7.772 ng
RT: 16.014 min Scan# 2124
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

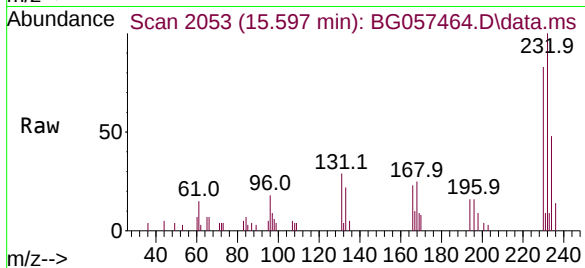
Tgt Ion:166 Resp: 34901
Ion Ratio Lower Upper
166 100
165 102.1 80.1 120.1
167 13.2 10.2 15.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.537 ng
RT: 15.597 min Scan# 2053
Delta R.T. 0.004 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

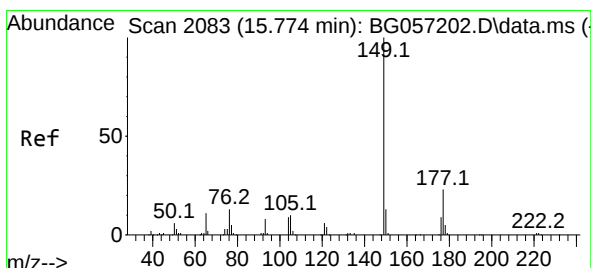
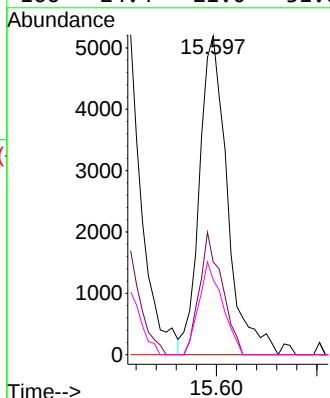
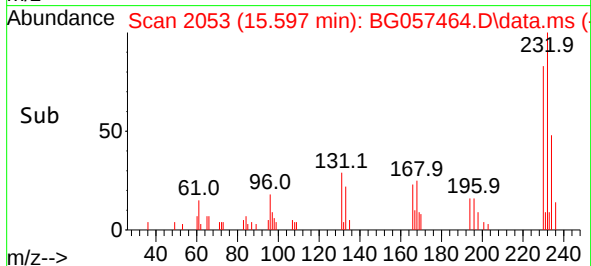
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



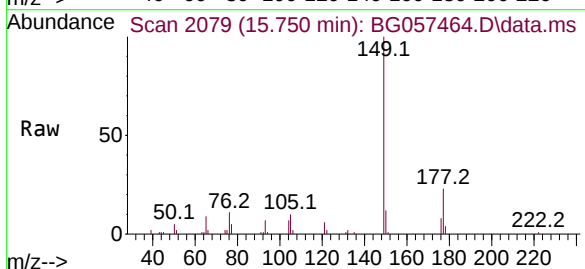
Tgt Ion:232 Resp: 10070
Ion Ratio Lower Upper
232 100
131 31.0 28.6 42.8
130 0.0 1.6 2.4
166 24.4 21.0 31.6

Manual Integrations
APPROVED

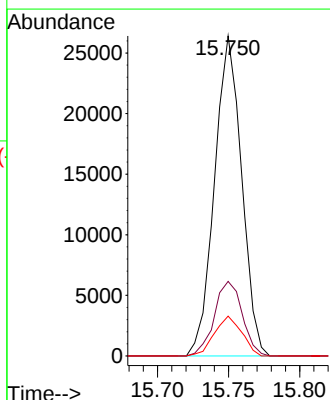
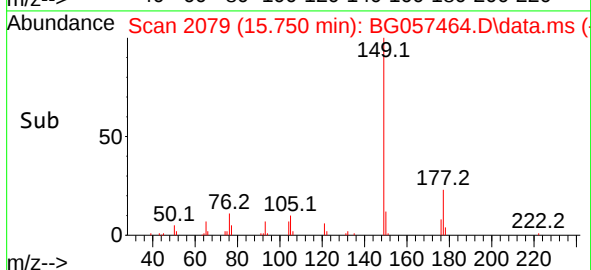
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

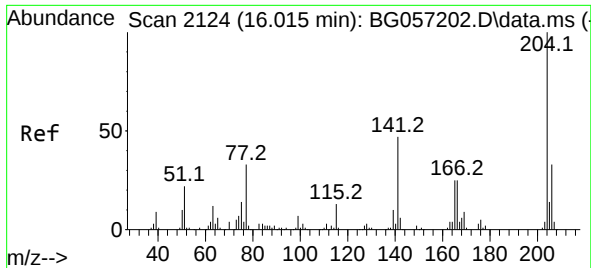


#60
Diethylphthalate
Concen: 7.239 ng
RT: 15.750 min Scan# 2079
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12



Tgt Ion:149 Resp: 34992
Ion Ratio Lower Upper
149 100
177 23.3 18.3 27.5
150 12.5 10.1 15.1





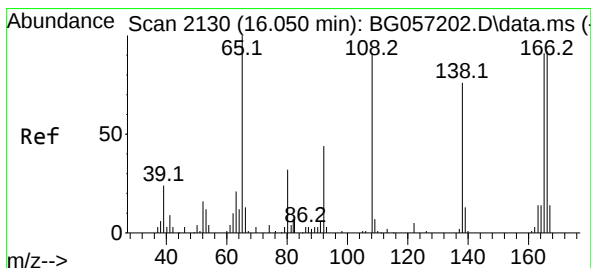
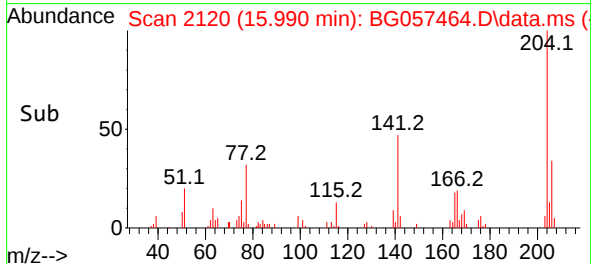
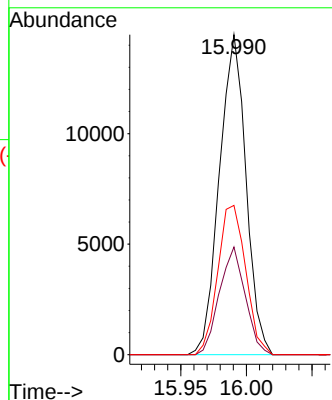
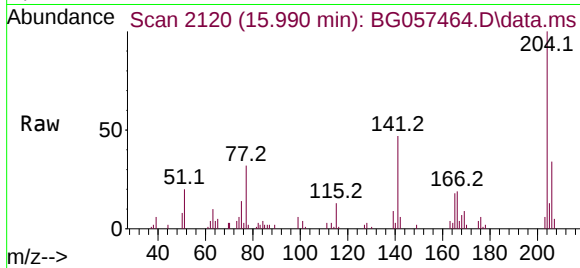
#61
4-Chlorophenyl-phenylether
Concen: 7.530 ng
RT: 15.990 min Scan# 2120
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Tgt Ion:204 Resp: 2037
Ion Ratio Lower Upper
204 100
206 33.6 26.5 39.7
141 46.6 37.4 56.0

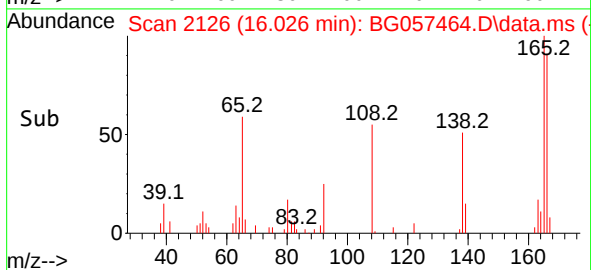
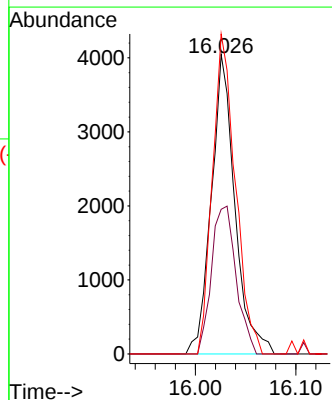
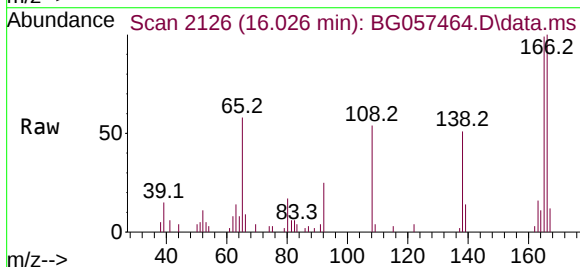
Manual Integrations
APPROVED

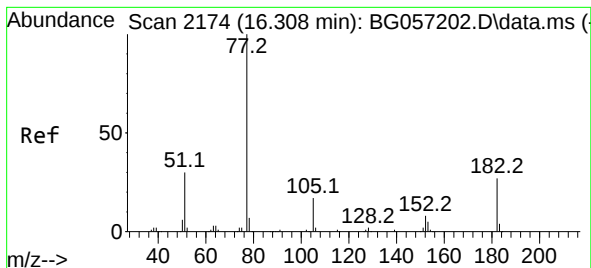
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#62
4-Nitroaniline
Concen: 6.707 ng
RT: 16.026 min Scan# 2126
Delta R.T. -0.008 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

Tgt Ion:138 Resp: 6588
Ion Ratio Lower Upper
138 100
92 48.3 38.2 78.2
108 106.8 99.6 139.6





#63

Azobenzene

Concen: 6.851 ng

RT: 16.284 min Scan# 2174

Delta R.T. -0.002 min

Lab File: BG057464.D

Acq: 19 May 2023 12:12

Instrument :

BNA_G

ClientSampleId :

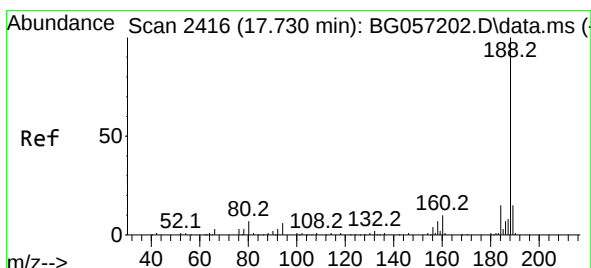
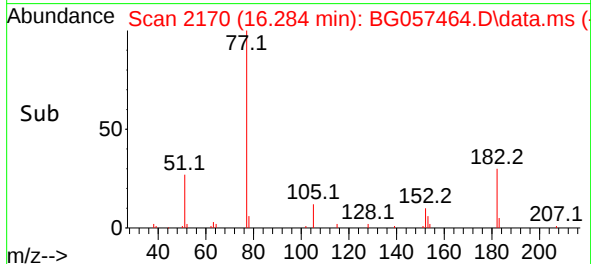
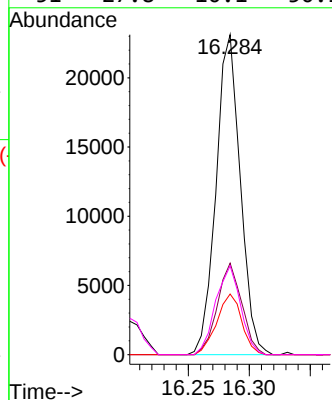
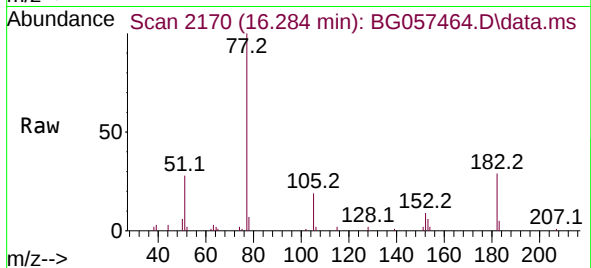
MDL-SOIL-03-QT2-2023

Tgt Ion: 77	Resp: 3195
Ion Ratio	Lower Upper
77 100	
182 28.6	7.4 47.4
105 19.0	0.0 37.2
51 27.8	10.1 50.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

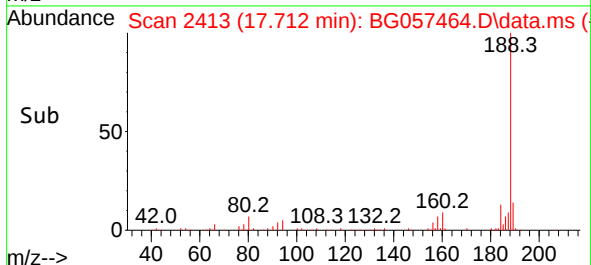
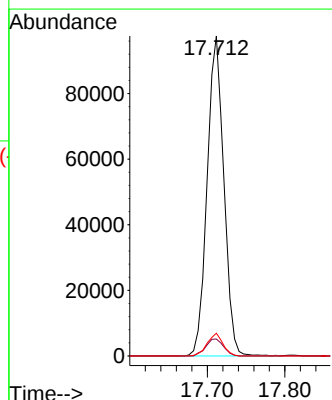
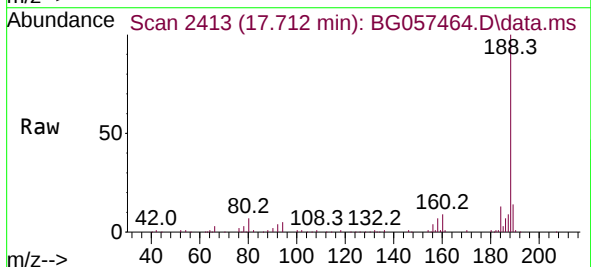
RT: 17.712 min Scan# 2413

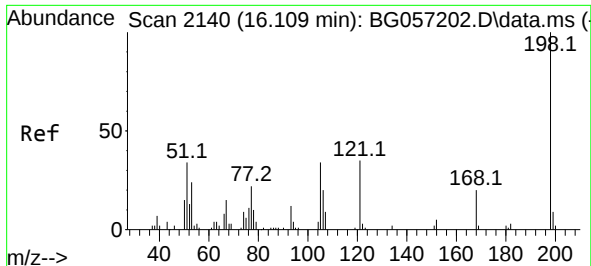
Delta R.T. -0.002 min

Lab File: BG057464.D

Acq: 19 May 2023 12:12

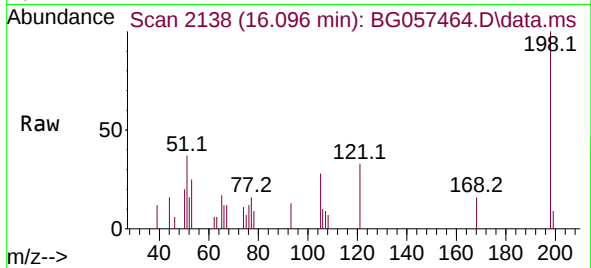
Tgt Ion:188	Resp: 146192
Ion Ratio	Lower Upper
188 100	
94 5.3	5.1 7.7
80 7.1	5.7 8.5





#65
4,6-Dinitro-2-methylphenol
Concen: 5.794 ng
RT: 16.096 min Scan# 2140
Delta R.T. 0.004 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

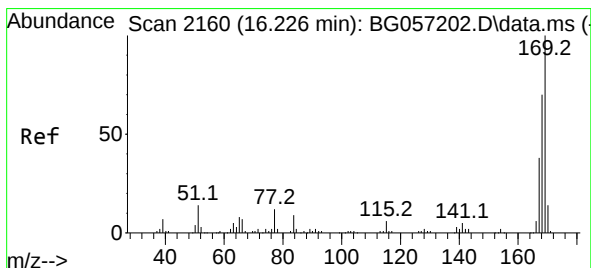
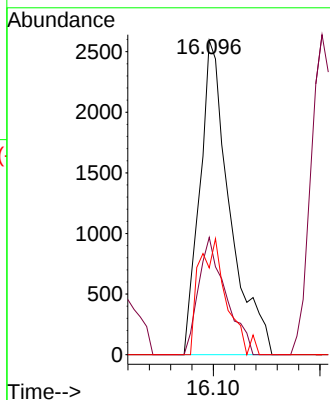
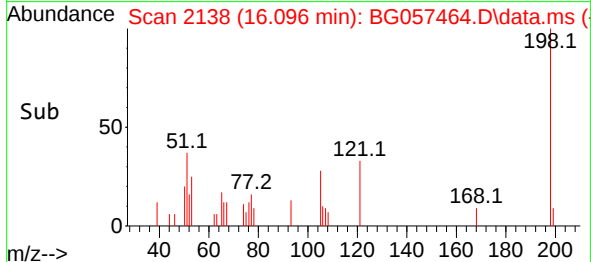
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



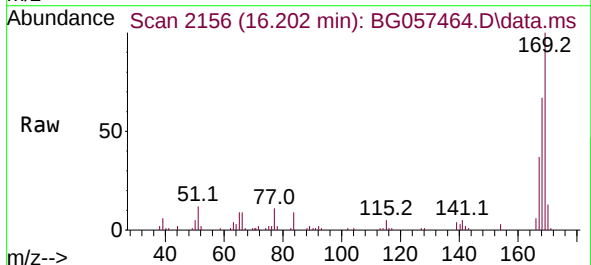
Tgt Ion:198 Resp: 505
Ion Ratio Lower Upper
198 100
51 37.3 16.1 56.1
105 27.6 14.0 54.0

Manual Integrations
APPROVED

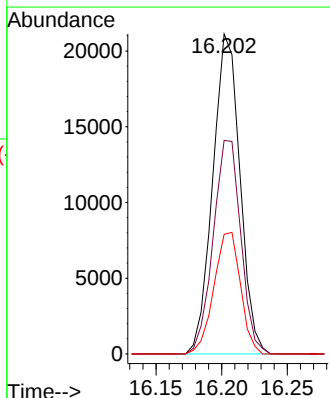
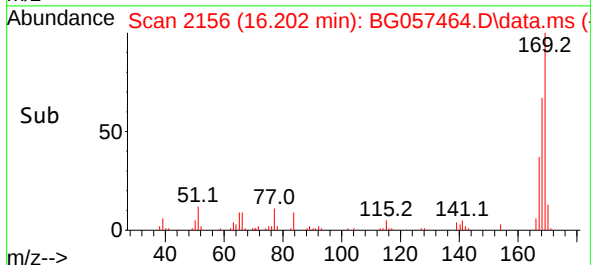
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

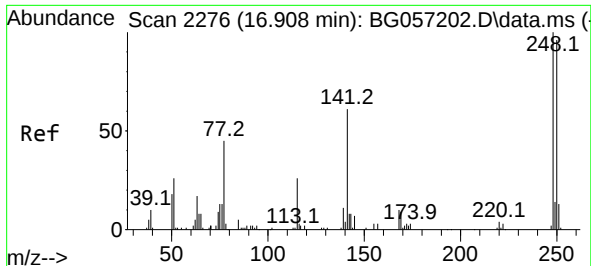


#66
n-Nitrosodiphenylamine
Concen: 7.656 ng
RT: 16.202 min Scan# 2156
Delta R.T. -0.008 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12



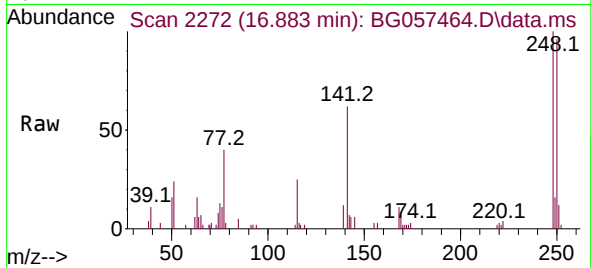
Tgt Ion:169 Resp: 30397
Ion Ratio Lower Upper
169 100
168 66.7 56.2 84.4
167 37.4 30.2 45.4





#67
4-Bromophenyl-phenylether
Concen: 7.486 ng
RT: 16.883 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

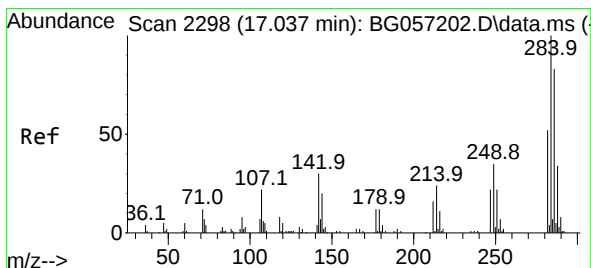
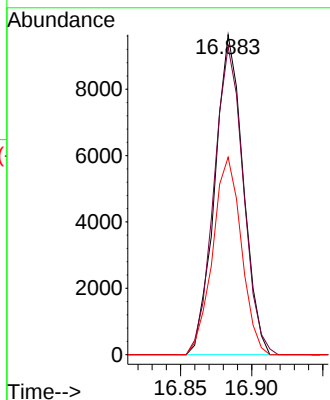
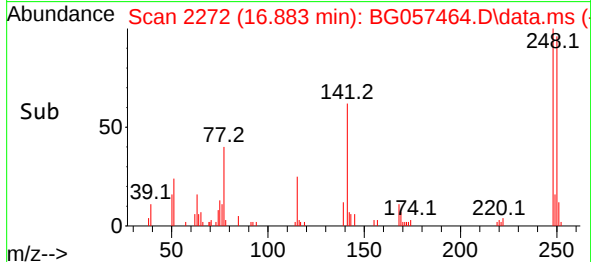
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



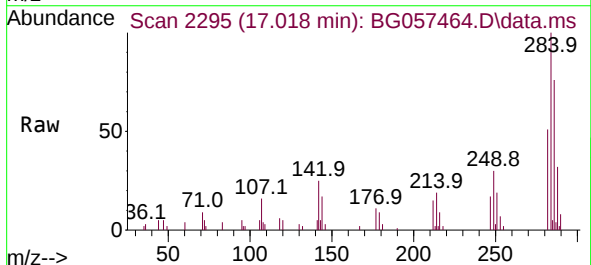
Tgt Ion:248 Resp: 1335
Ion Ratio Lower Upper
248 100
250 96.3 77.0 115.6
141 61.7 48.6 72.8

Manual Integrations
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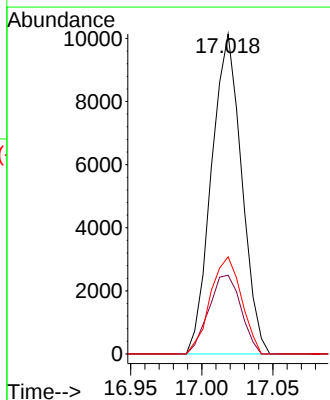
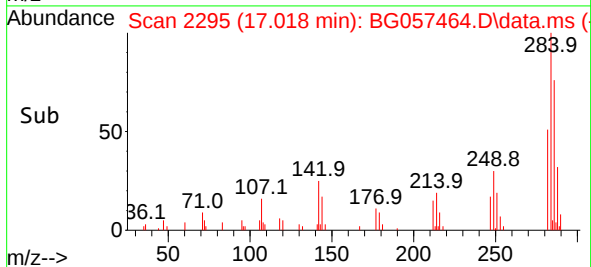
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

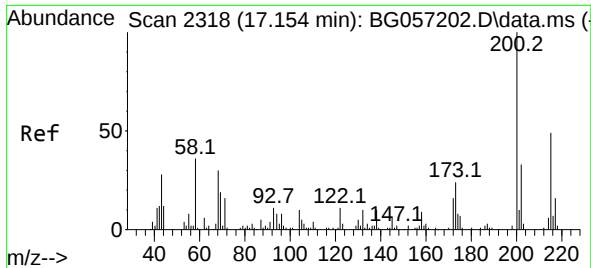


#68
Hexachlorobenzene
Concen: 8.629 ng
RT: 17.018 min Scan# 2295
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12



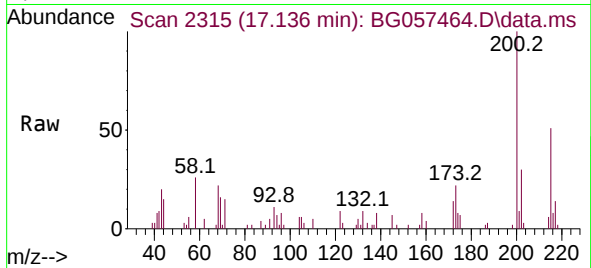
Tgt Ion:284 Resp: 14965
Ion Ratio Lower Upper
284 100
142 24.6 23.9 35.9
249 30.3 27.7 41.5





#69
 Atrazine
 Concen: 8.815 ng
 RT: 17.136 min Scan# 2135
 Delta R.T. -0.002 min
 Lab File: BG057464.D
 Acq: 19 May 2023 12:12

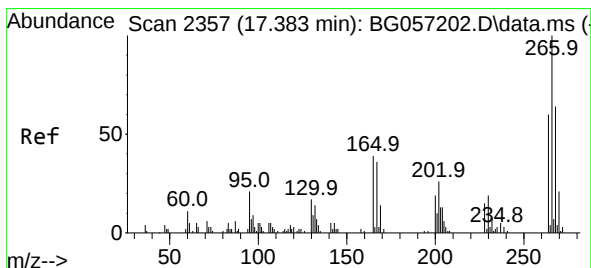
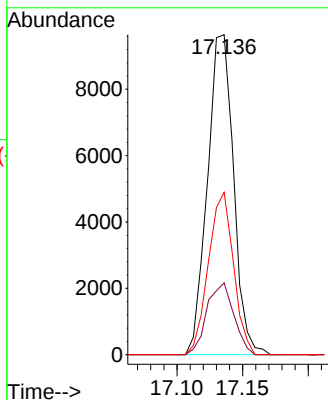
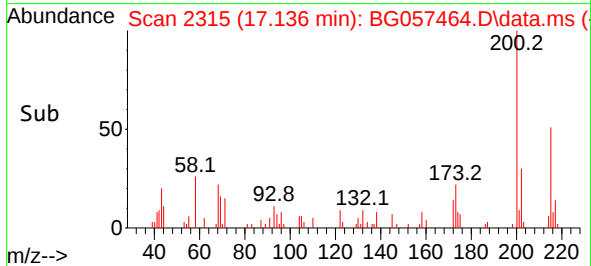
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2023



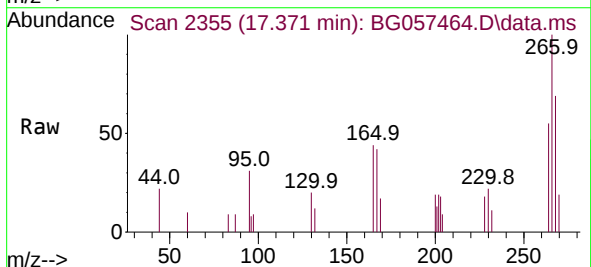
Tgt Ion:200 Resp: 1335
 Ion Ratio Lower Upper
 200 100
 173 22.4 4.3 44.3
 215 50.7 29.3 69.3

Manual Integrations
 APPROVED

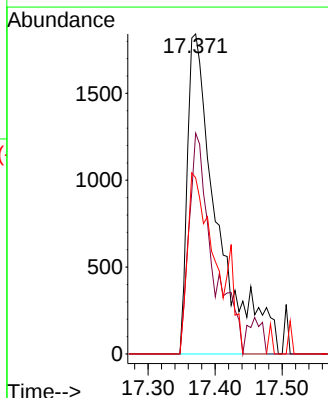
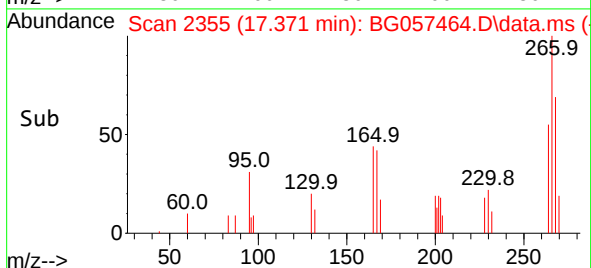
Reviewed By :Christian Giraldo 05/22/2023
 Supervised By :Jagrut Upadhyay 05/22/2023

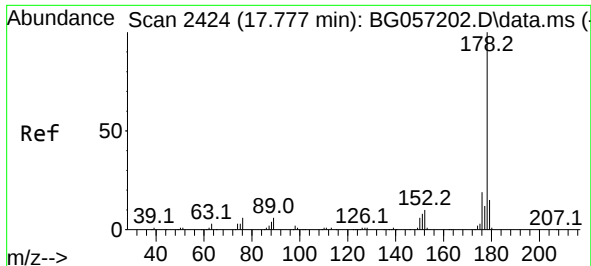


#70
 Pentachlorophenol
 Concen: 5.721 ng m
 RT: 17.371 min Scan# 2355
 Delta R.T. 0.004 min
 Lab File: BG057464.D
 Acq: 19 May 2023 12:12



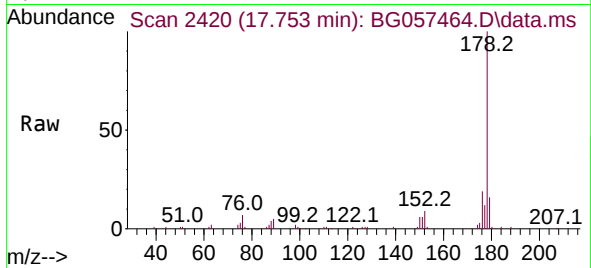
Tgt Ion:266 Resp: 5718
 Ion Ratio Lower Upper
 266 100
 268 69.0 51.0 76.6
 264 55.0 47.8 71.6





#71
Phenanthrene
Concen: 7.803 ng
RT: 17.753 min Scan# 2420
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

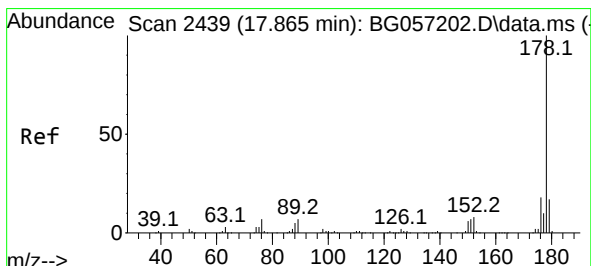
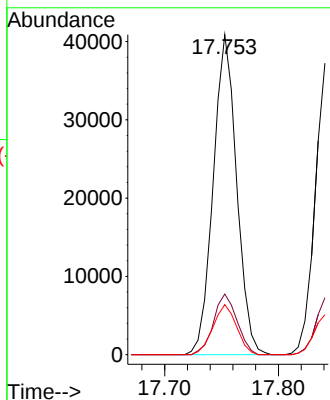
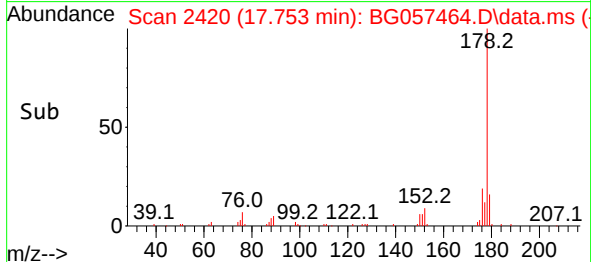
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



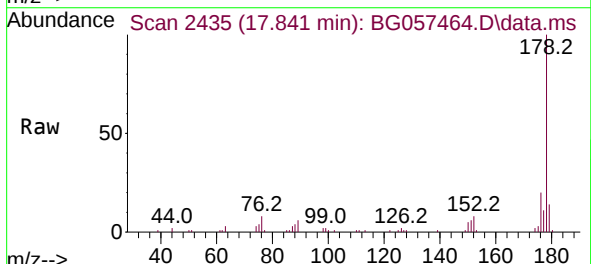
Tgt Ion:178 Resp: 58450
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.7 12.3 18.5

Manual Integrations
APPROVED

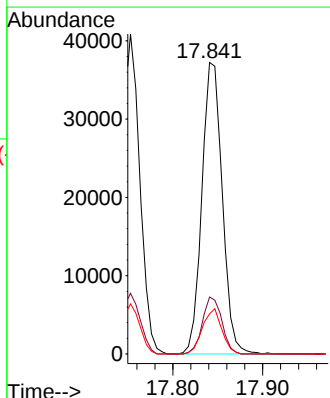
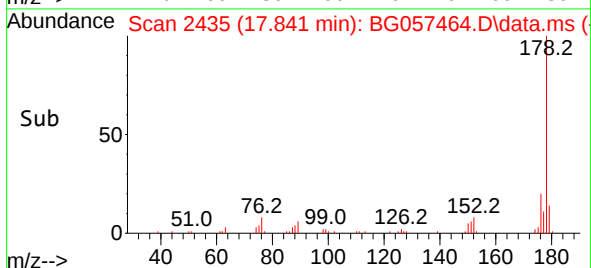
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

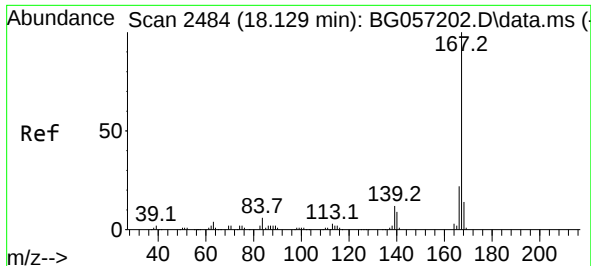


#72
Anthracene
Concen: 7.639 ng
RT: 17.841 min Scan# 2435
Delta R.T. -0.008 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12



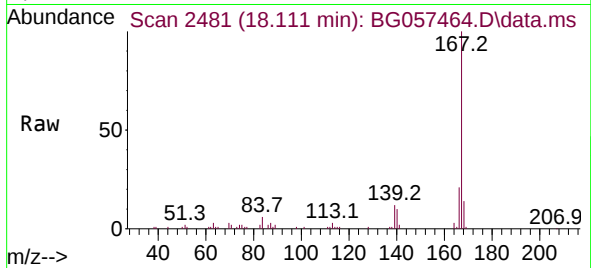
Tgt Ion:178 Resp: 58714
Ion Ratio Lower Upper
178 100
176 19.5 14.7 22.1
179 13.7 13.2 19.8





#73
Carbazole
Concen: 7.768 ng
RT: 18.111 min Scan# 2481
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

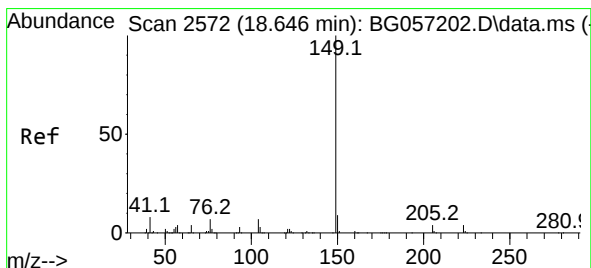
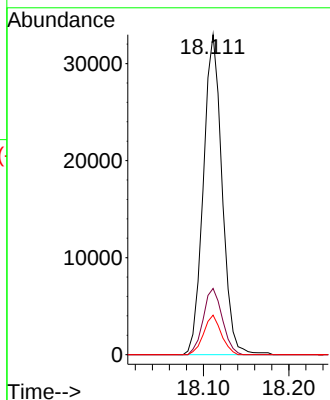
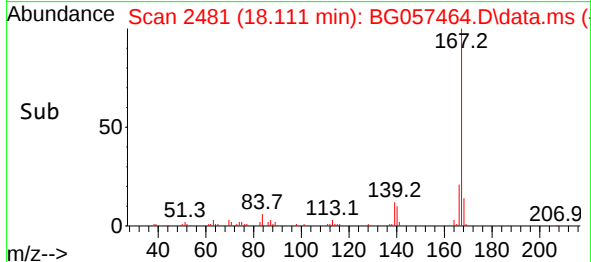
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



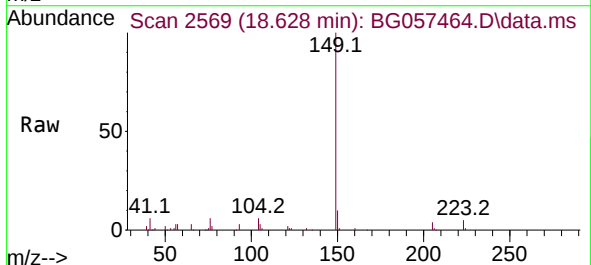
Tgt Ion:167 Resp: 50264
Ion Ratio Lower Upper
167 100
166 20.7 17.4 26.0
139 12.3 9.6 14.4

Manual Integrations
APPROVED

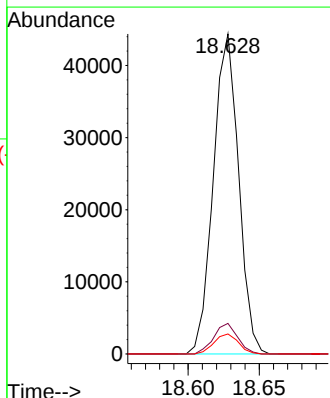
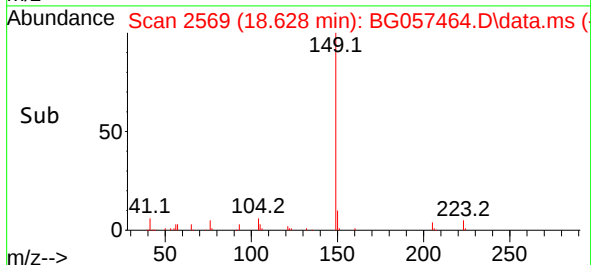
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

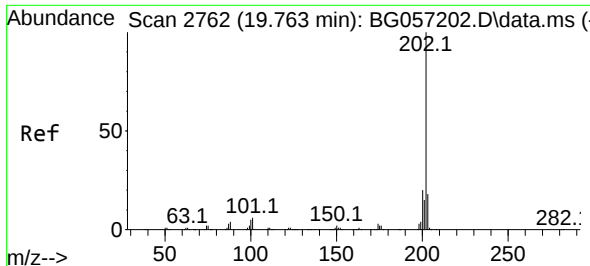


#74
Di-n-butylphthalate
Concen: 7.357 ng
RT: 18.628 min Scan# 2569
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12



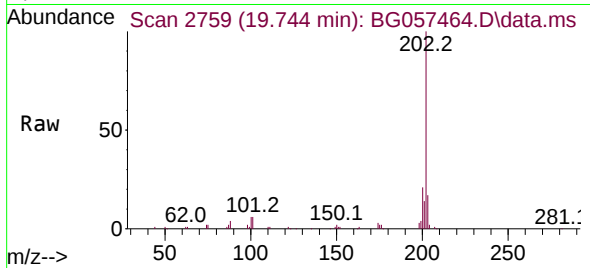
Tgt Ion:149 Resp: 54776
Ion Ratio Lower Upper
149 100
150 9.6 7.3 10.9
104 6.3 5.4 8.2





#75
Fluoranthene
Concen: 7.471 ng
RT: 19.744 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

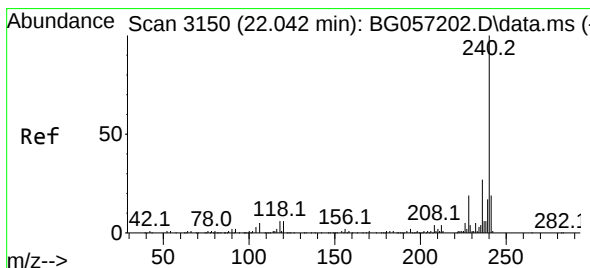
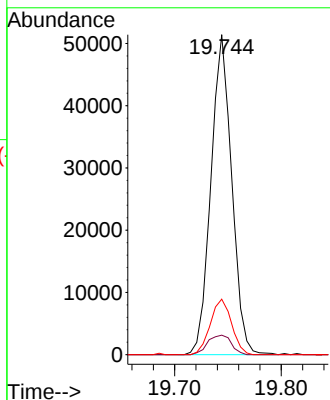
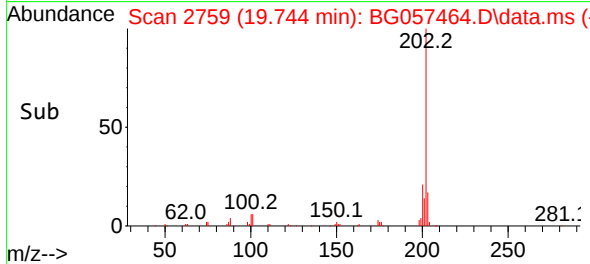
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:202 Resp: 69604
Ion Ratio Lower Upper
202 100
101 6.1 0.0 26.2
203 17.3 0.0 37.9

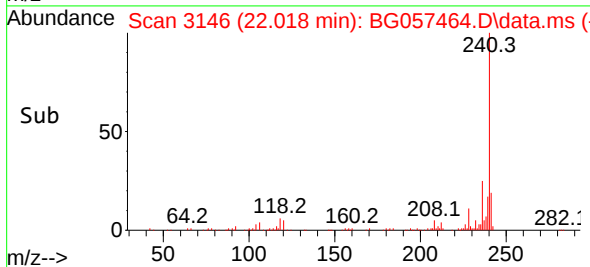
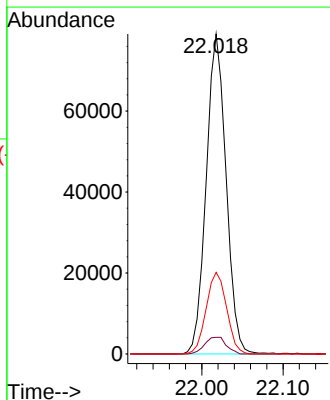
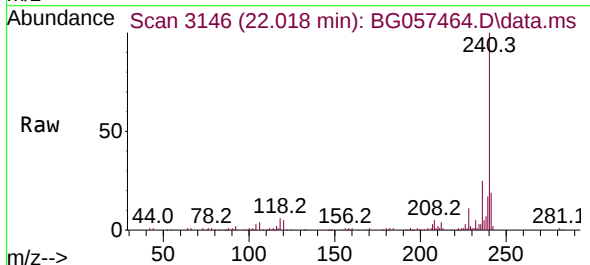
Manual Integrations
APPROVED

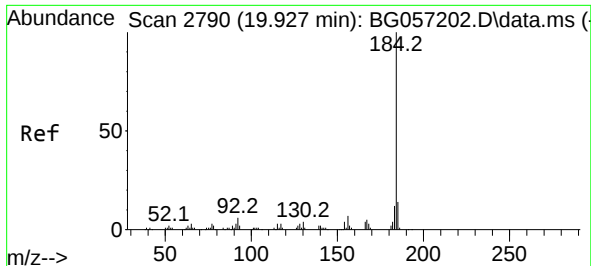
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.018 min Scan# 3146
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

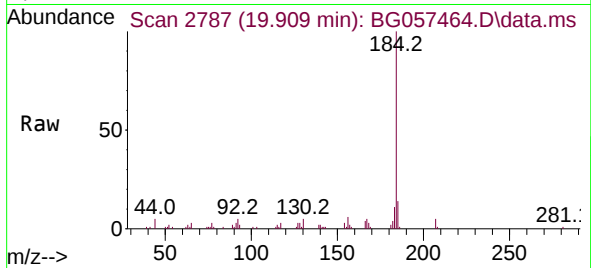
Tgt Ion:240 Resp: 133935
Ion Ratio Lower Upper
240 100
120 5.2 4.9 7.3
236 25.5 21.4 32.2





#77
Benzidine
Concen: 10.592 ng
RT: 19.909 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

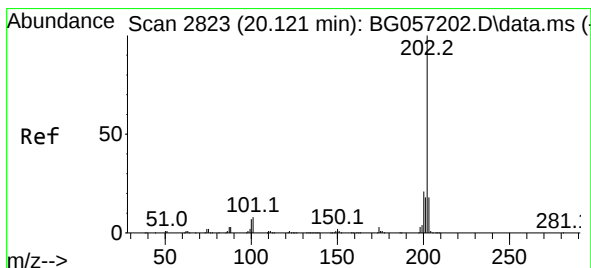
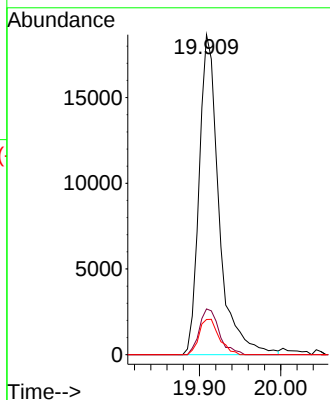
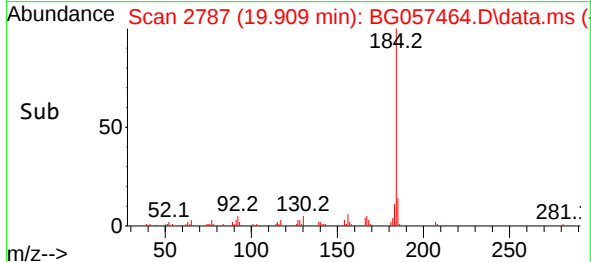
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:184 Resp: 31715
Ion Ratio Lower Upper
184 100
185 14.3 11.1 16.7
183 11.0 9.9 14.9

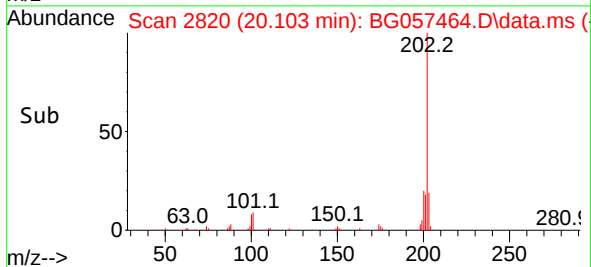
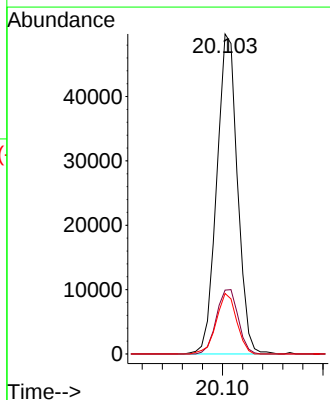
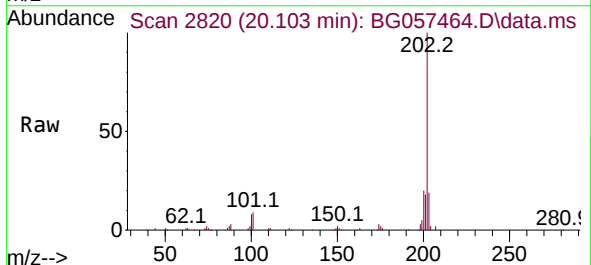
Manual Integrations
APPROVED

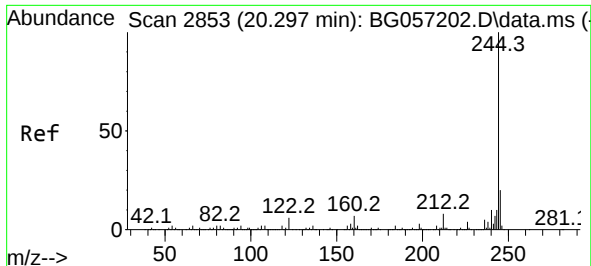
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#78
Pyrene
Concen: 7.302 ng
RT: 20.103 min Scan# 2820
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

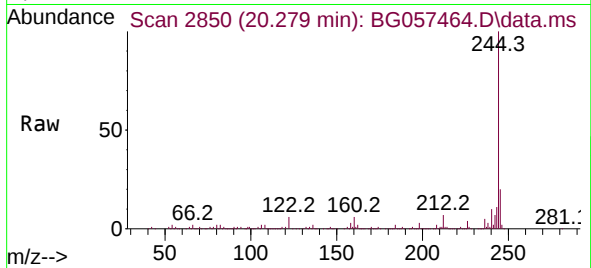
Tgt Ion:202 Resp: 71066
Ion Ratio Lower Upper
202 100
200 19.9 17.0 25.4
203 18.9 14.2 21.4





#79
 Terphenyl-d14
 Concen: 73.758 ng
 RT: 20.279 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG057464.D
 Acq: 19 May 2023 12:12

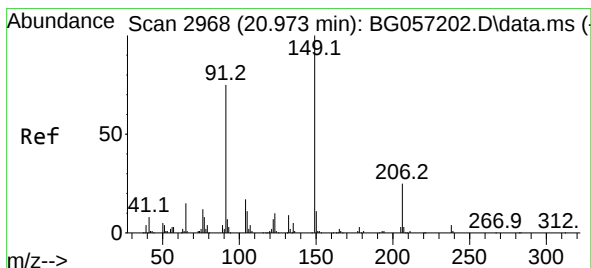
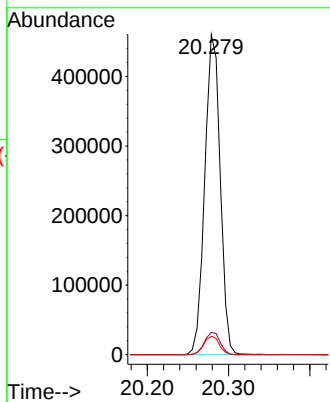
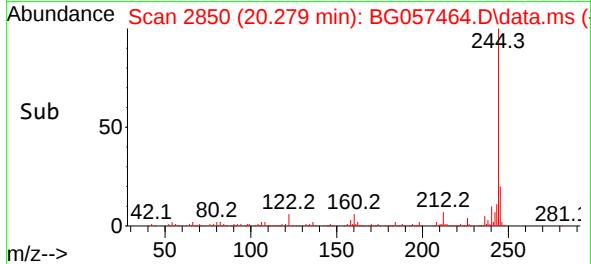
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2023



Tgt Ion:244 Resp: 605344
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 5.7 5.1 7.7

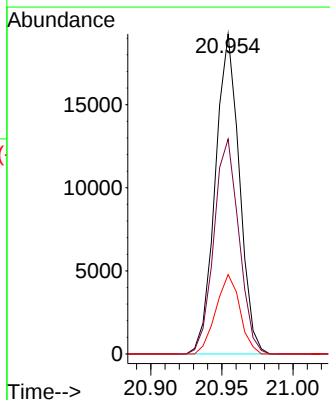
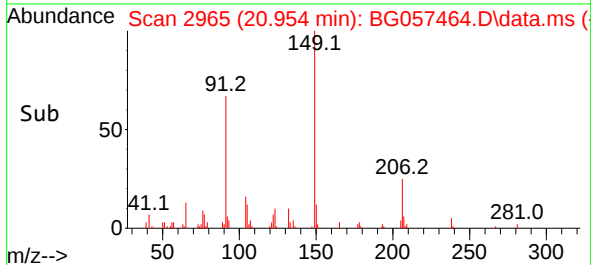
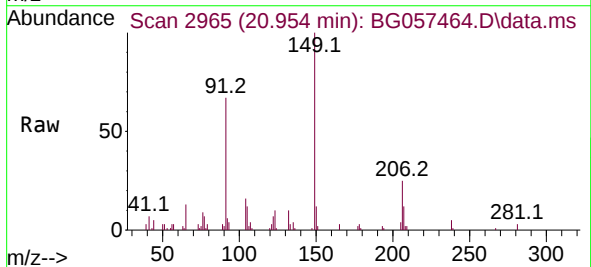
Manual Integrations
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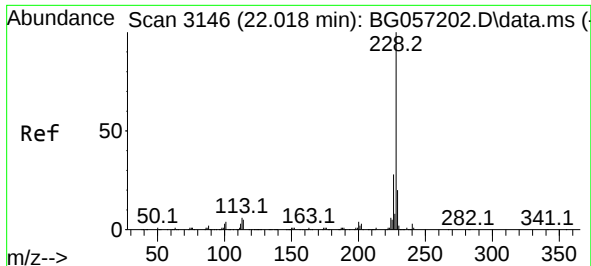
Reviewed By :Christian Giraldo 05/22/2023
 Supervised By :Jagrut Upadhyay 05/22/2023



#80
 Butylbenzylphthalate
 Concen: 7.338 ng
 RT: 20.954 min Scan# 2965
 Delta R.T. -0.002 min
 Lab File: BG057464.D
 Acq: 19 May 2023 12:12

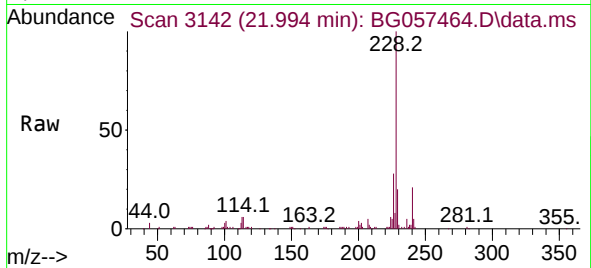
Tgt Ion:149 Resp: 22660
 Ion Ratio Lower Upper
 149 100
 91 67.2 59.7 89.5
 206 24.8 19.7 29.5





#81
Benzo(a)anthracene
Concen: 7.762 ng
RT: 21.994 min Scan# 3146
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

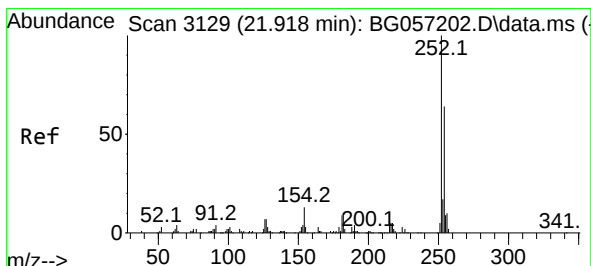
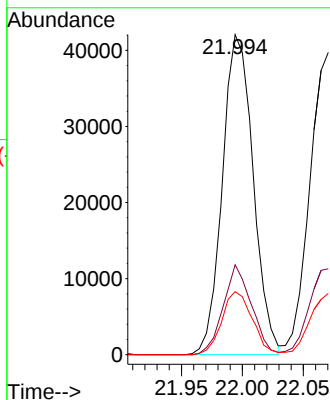
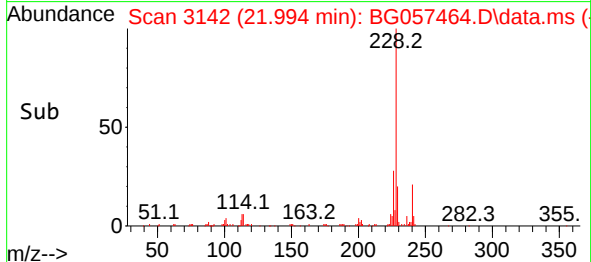
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT2-2023



Tgt Ion:228 Resp: 74072
Ion Ratio Lower Upper
228 100
226 28.1 22.0 33.0
229 19.7 15.8 23.8

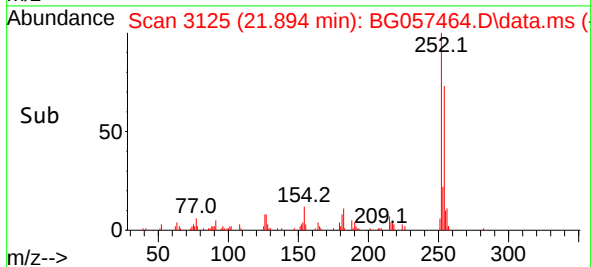
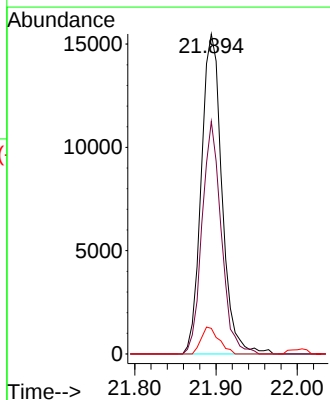
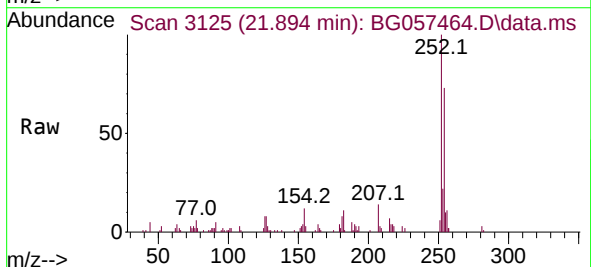
Manual Integrations
APPROVED

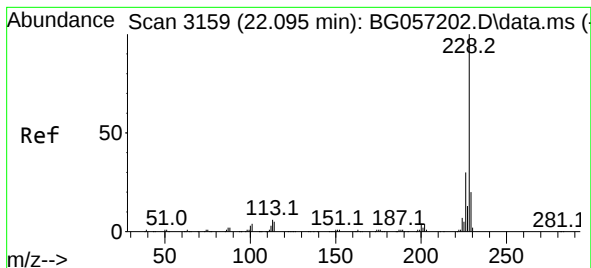
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#82
3,3'-Dichlorobenzidine
Concen: 8.944 ng
RT: 21.894 min Scan# 3125
Delta R.T. -0.002 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

Tgt Ion:252 Resp: 27336
Ion Ratio Lower Upper
252 100
254 72.6 51.4 77.0
126 8.0 5.9 8.9





#83

Chrysene

Concen: 7.642 ng

RT: 22.070 min Scan# 3155

Delta R.T. -0.002 min

Lab File: BG057464.D

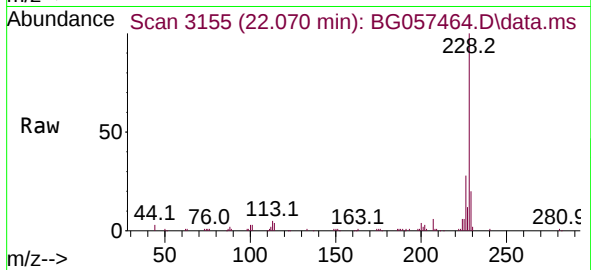
Acq: 19 May 2023 12:12

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2023



Tgt Ion:228 Resp: 68610

Ion Ratio Lower Upper

228 100

226 28.4 24.3 36.5

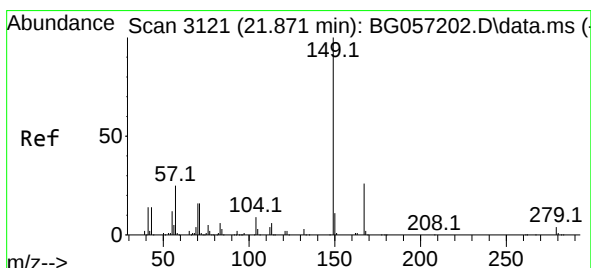
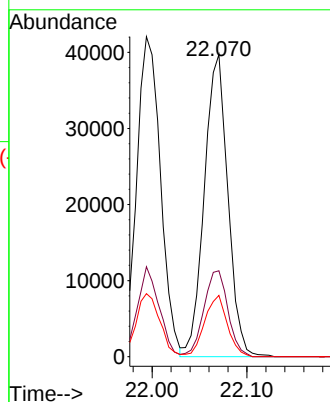
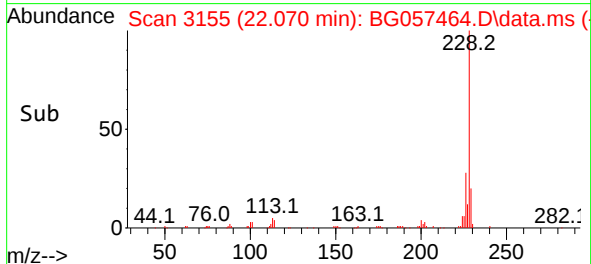
229 20.3 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/22/2023

Supervised By :Jagrut Upadhyay 05/22/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.324 ng

RT: 21.841 min Scan# 3116

Delta R.T. -0.002 min

Lab File: BG057464.D

Acq: 19 May 2023 12:12

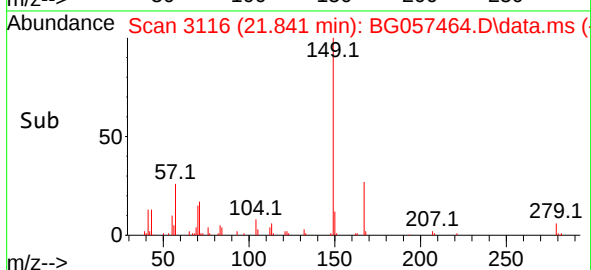
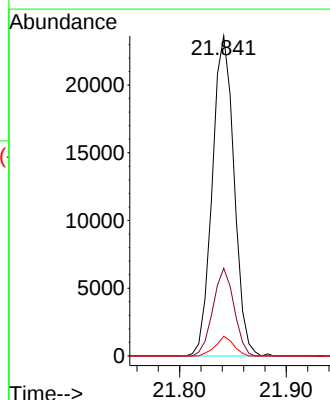
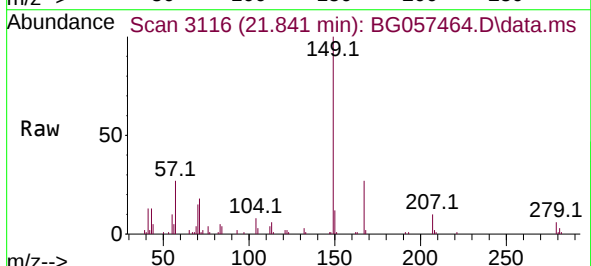
Tgt Ion:149 Resp: 33462

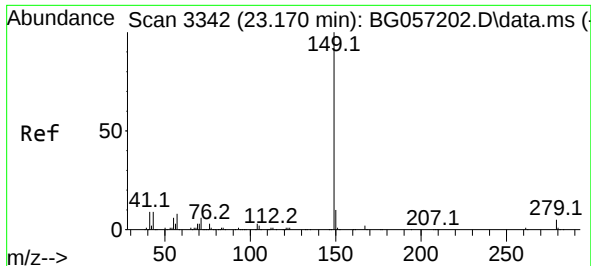
Ion Ratio Lower Upper

149 100

167 27.4 21.2 31.8

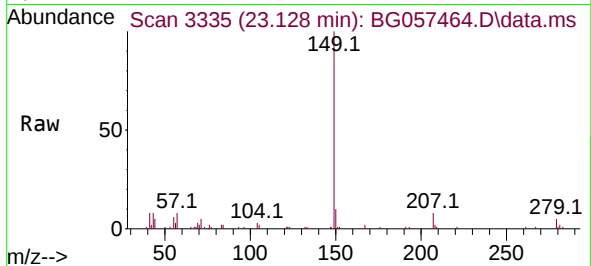
279 6.2 3.5 5.3#





#85
Di-n-octyl phthalate
Concen: 7.317 ng
RT: 23.128 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

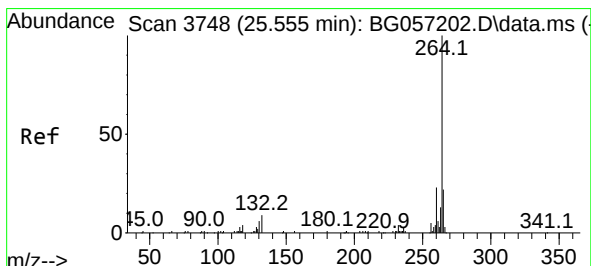
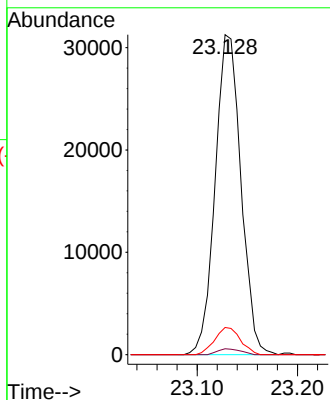
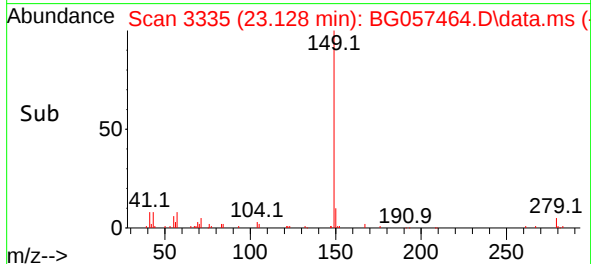
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:149 Resp: 55734
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.4 7.8 11.8

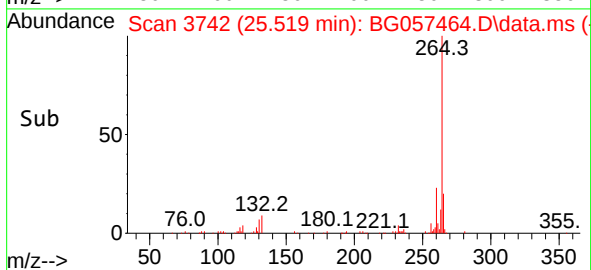
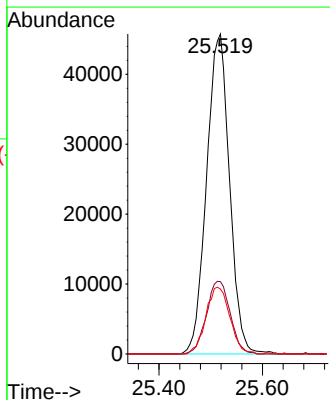
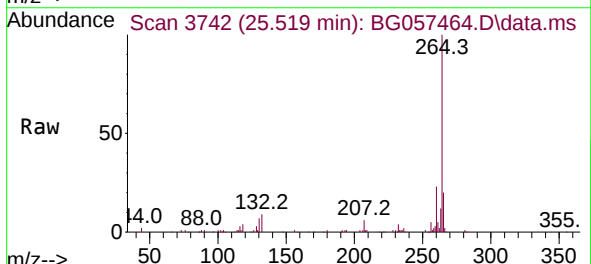
Manual Integrations
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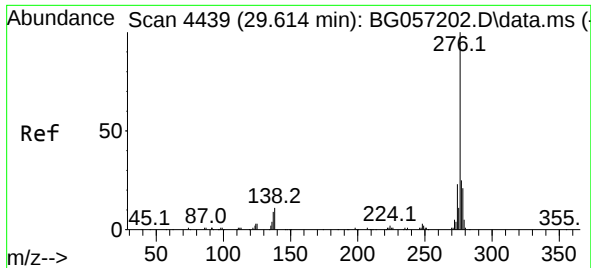
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.519 min Scan# 3742
Delta R.T. 0.004 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

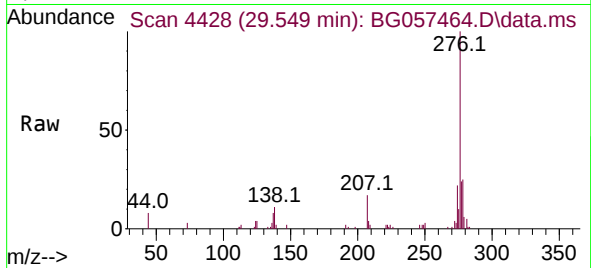
Tgt Ion:264 Resp: 140852
Ion Ratio Lower Upper
264 100
260 22.6 18.8 28.2
265 20.3 17.9 26.9





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.650 ng
 RT: 29.549 min Scan# 4439
 Delta R.T. -0.014 min
 Lab File: BG057464.D
 Acq: 19 May 2023 12:12

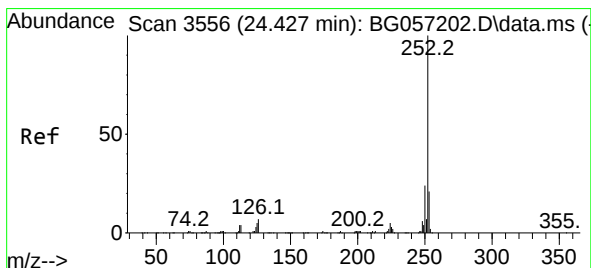
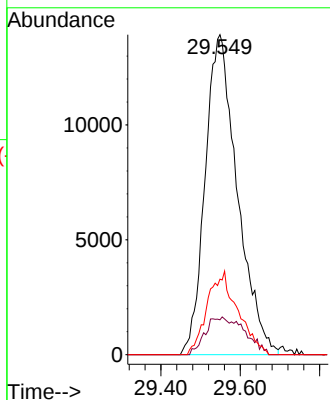
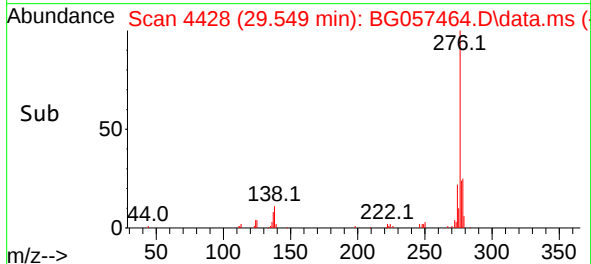
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2023



Tgt Ion: 276 Resp: 7853
 Ion Ratio Lower Upper
 276 100
 138 0.0 5.4 8.0
 277 24.8 20.6 30.8

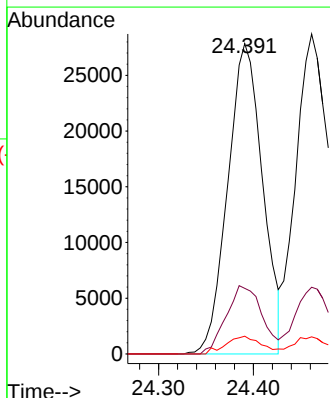
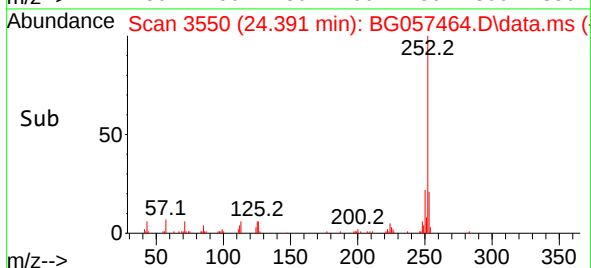
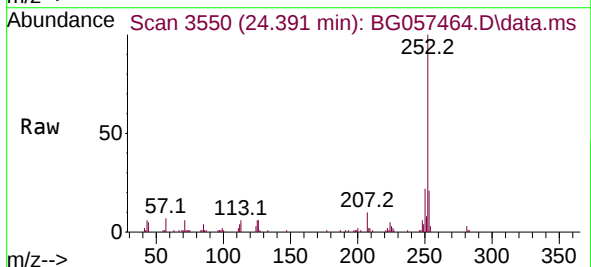
Manual Integrations
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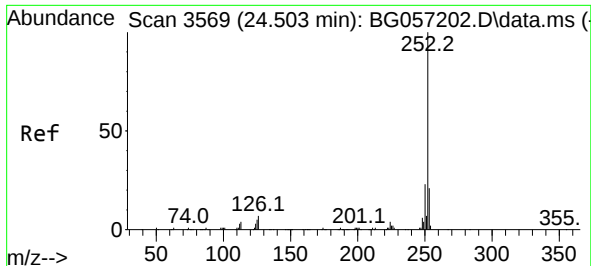
Reviewed By : Christian Giraldo 05/22/2023
 Supervised By : Jagrut Upadhyay 05/22/2023



#88
 Benzo(b)fluoranthene
 Concen: 7.732 ng
 RT: 24.391 min Scan# 3550
 Delta R.T. -0.002 min
 Lab File: BG057464.D
 Acq: 19 May 2023 12:12

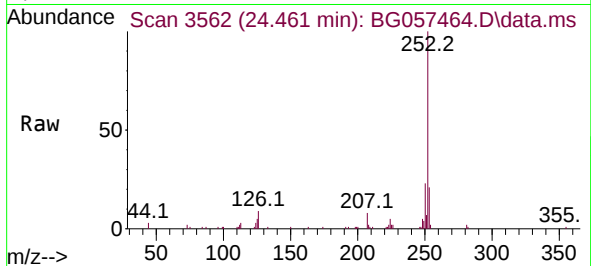
Tgt Ion: 252 Resp: 71191
 Ion Ratio Lower Upper
 252 100
 253 21.1 17.0 25.6
 125 5.7 4.2 6.2





#89
Benzo(k)fluoranthene
Concen: 7.783 ng
RT: 24.461 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

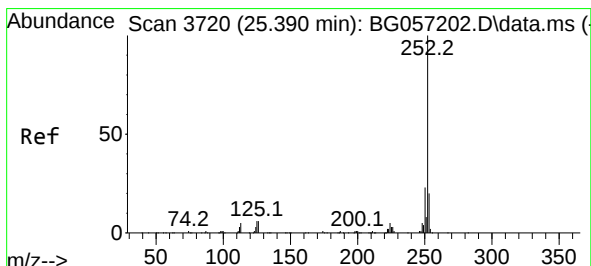
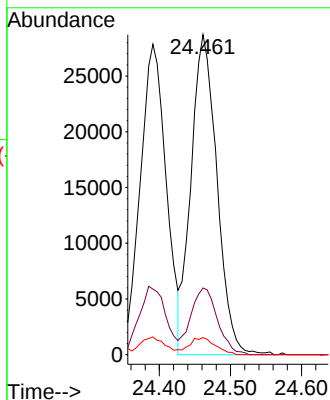
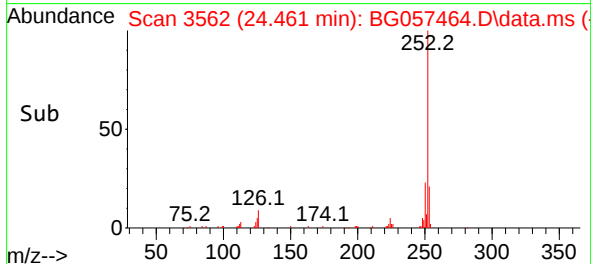
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:252 Resp: 7282
Ion Ratio Lower Upper
252 100
253 20.8 17.4 26.0
125 5.4 4.1 6.1

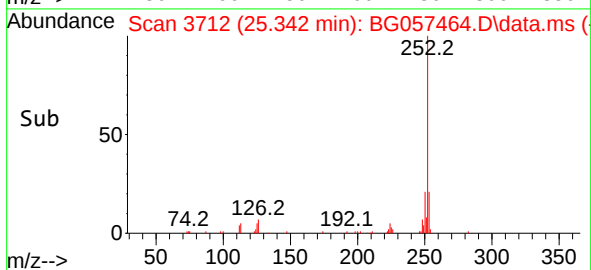
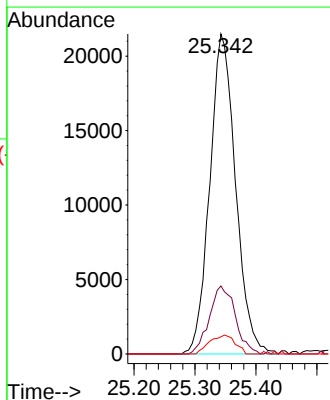
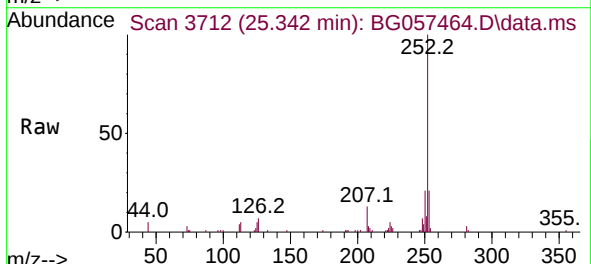
Manual Integrations
APPROVED

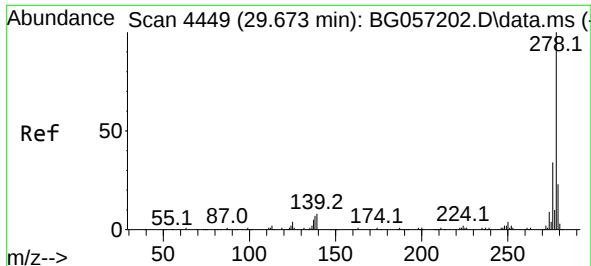
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#90
Benzo(a)pyrene
Concen: 7.033 ng
RT: 25.342 min Scan# 3712
Delta R.T. -0.014 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

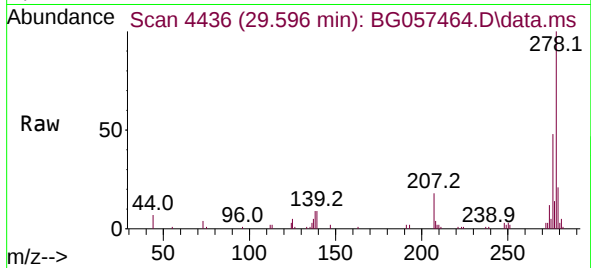
Tgt Ion:252 Resp: 63265
Ion Ratio Lower Upper
252 100
253 21.3 16.3 24.5
125 5.4 5.0 7.4





#91
Dibenzo(a,h)anthracene
Concen: 7.670 ng
RT: 29.596 min Scan# 4449
Delta R.T. -0.014 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

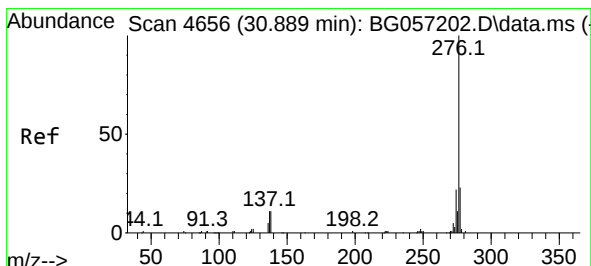
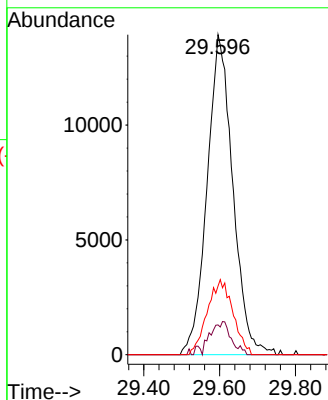
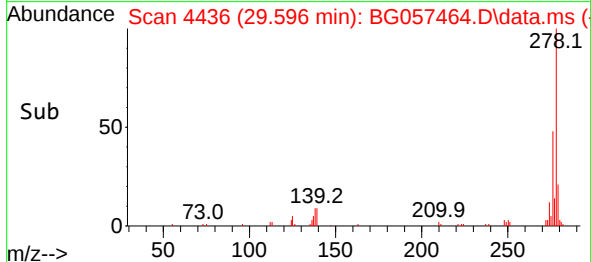
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023



Tgt Ion:278 Resp: 6557
Ion Ratio Lower Upper
278 100
139 9.3 6.2 9.2
279 21.4 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#92
Benzo(g,h,i)perylene
Concen: 7.582 ng
RT: 30.817 min Scan# 4644
Delta R.T. -0.020 min
Lab File: BG057464.D
Acq: 19 May 2023 12:12

Tgt Ion:276 Resp: 63294
Ion Ratio Lower Upper
276 100
277 22.5 18.4 27.6
138 10.6 9.0 13.4

