

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
 Data File : BG056510.D
 Acq On : 2 Feb 2023 11:56
 Operator : CG/JU
 Sample : N4955-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/03/2023
 Supervised By : Jagrut Upadhyay 02/03/2023

Quant Time: Feb 03 05:19:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.273	152	28240	20.000	ng	0.00
21) Naphthalene-d8	11.105	136	107738	20.000	ng	# 0.00
39) Acenaphthene-d10	14.894	164	89593	20.000	ng	0.00
64) Phenanthrene-d10	17.632	188	230363	20.000	ng	0.00
76) Chrysene-d12	21.921	240	223078	20.000	ng	0.00
86) Perylene-d12	25.341	264	243317	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.793	112	203369	132.476	ng	0.00
7) Phenol-d6	7.415	99	287028	126.190	ng	0.00
23) Nitrobenzene-d5	9.454	82	186270	98.177	ng	0.00
42) 2,4,6-Tribromophenol	16.375	330	153522	128.893	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	644003	99.658	ng	0.00
79) Terphenyl-d14	20.212	244	1225018	96.450	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.596	88	3425	5.358	ng	96
3) Pyridine	4.036	79	7863	4.127	ng	97
4) n-Nitrosodimethylamine	3.937	42	1579	3.897	ng	# 78
6) Aniline	7.591	93	13742	4.614	ng	98
8) 2-Chlorophenol	7.838	128	7217	4.279	ng	90
9) Benzaldehyde	7.409	77	7684	5.485	ng	# 75
10) Phenol	7.450	94	10686	4.622	ng	97
11) bis(2-Chloroethyl)ether	7.679	93	8096	5.095	ng	86
12) 1,3-Dichlorobenzene	8.167	146	10066m	5.184	ng	
13) 1,4-Dichlorobenzene	8.314	146	10027	5.099	ng	94
14) 1,2-Dichlorobenzene	8.637	146	9857	5.167	ng	97
15) Benzyl Alcohol	8.514	79	6709	4.299	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.790	45	1398	4.152	ng	92
17) 2-Methylphenol	8.719	107	7085	4.028	ng	# 96
18) Hexachloroethane	9.371	117	3004	5.051	ng	# 82
19) n-Nitroso-di-n-propyla...	9.072	70	6076	4.635	ng	97
20) 3+4-Methylphenols	9.042	107	9408	3.817	ng	85
22) Acetophenone	9.107	105	14289	4.992	ng	# 96
24) Nitrobenzene	9.495	77	9469	5.174	ng	98
25) Isophorone	10.012	82	18082	4.620	ng	97
26) 2-Nitrophenol	10.212	139	5216	4.698	ng	# 90
27) 2,4-Dimethylphenol	10.259	122	8077	4.346	ng	92
28) bis(2-Chloroethoxy)met...	10.488	93	10587	4.896	ng	# 90
29) 2,4-Dichlorophenol	10.758	162	9143	4.371	ng	90
30) 1,2,4-Trichlorobenzene	10.964	180	11365	4.889	ng	# 96
31) Naphthalene	11.157	128	27559	4.846	ng	99
33) 4-Chloroaniline	11.263	127	11747	4.426	ng	# 93
34) Hexachlorobutadiene	11.434	225	8795	5.390	ng	94
35) Caprolactam	12.004	113	2981	4.226	ng	100
36) 4-Chloro-3-methylphenol	12.362	107	8696	4.305	ng	97
37) 2-Methylnaphthalene	12.744	142	21817	4.654	ng	92
38) 1-Methylnaphthalene	12.961	142	21250	4.854	ng	95
40) 1,2,4,5-Tetrachloroben...	13.102	216	16831	5.142	ng	97
41) Hexachlorocyclopentadiene	13.079	237	3003	7.964	ng	93
43) 2,4,6-Trichlorophenol	13.343	196	8981	4.258	ng	99
44) 2,4,5-Trichlorophenol	13.420	196	10250	4.150	ng	98

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Instrument :
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Manual Integrations
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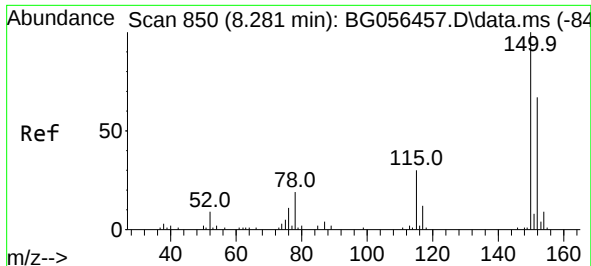
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.731	154	32766	5.042	ng	96
47) 2-Chloronaphthalene	13.784	162	25067	4.935	ng	98
48) 2-Nitroaniline	13.978	65	4458	4.246	ng	# 83
49) Acenaphthylene	14.624	152	38809	4.696	ng	97
50) Dimethylphthalate	14.330	163	34007	4.692	ng	97
51) 2,6-Dinitrotoluene	14.459	165	7363	4.658	ng	95
52) Acenaphthene	14.959	154	23161	4.726	ng	94
53) 3-Nitroaniline	14.794	138	6330	4.131	ng	99
55) Dibenzofuran	15.288	168	42756	4.865	ng	97
56) 4-Nitrophenol	15.112	139	3167	3.025	ng	93
57) 2,4-Dinitrotoluene	15.247	165	10080	4.527	ng	98
58) Fluorene	15.934	166	34163	4.885	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.517	232	8605	3.919	ng	# 94
60) Diethylphthalate	15.682	149	31037	4.560	ng	98
61) 4-Chlorophenyl-phenyle...	15.917	204	20143	4.720	ng	98
62) 4-Nitroaniline	15.952	138	6301	4.109	ng	93
63) Azobenzene	16.210	77	22760	4.860	ng	98
65) 4,6-Dinitro-2-methylph...	16.016	198	4609	2.846	ng	94
66) n-Nitrosodiphenylamine	16.128	169	30578	4.688	ng	98
67) 4-Bromophenyl-phenylether	16.810	248	14293	4.847	ng	98
68) Hexachlorobenzene	16.939	284	14093	4.879	ng	97
69) Atrazine	17.062	200	12758	5.070	ng	98
71) Phenanthrene	17.673	178	58442	4.847	ng	98
72) Anthracene	17.767	178	60292	4.871	ng	98
73) Carbazole	18.032	167	50349	4.776	ng	95
74) Di-n-butylphthalate	18.561	149	50836	4.593	ng	98
75) Fluoranthene	19.665	202	74672	4.907	ng	100
77) Benzidine	19.836	184	35323	5.851	ng	# 95
78) Pyrene	20.029	202	76097	4.796	ng	98
80) Butylbenzylphthalate	20.881	149	20682	4.268	ng	94
81) Benzo(a)anthracene	21.898	228	74877	4.801	ng	98
82) 3,3'-Dichlorobenzidine	21.804	252	28865	5.140	ng	97
83) Chrysene	21.968	228	71328	4.868	ng	99
84) Bis(2-ethylhexyl)phtha...	21.757	149	30531	4.395	ng	# 96
85) Di-n-octyl phthalate	23.032	149	52263	4.517	ng	99
87) Indeno(1,2,3-cd)pyrene	29.272	276	80997	4.548	ng	# 94
88) Benzo(b)fluoranthene	24.242	252	75896	5.025	ng	100
89) Benzo(k)fluoranthene	24.313	252	72248	4.738	ng	# 98
90) Benzo(a)pyrene	25.182	252	66802	4.490	ng	94
91) Dibenzo(a,h)anthracene	29.342	278	73251	4.900	ng	97
92) Benzo(g,h,i)perylene	30.505	276	70807	4.908	ng	97

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

Manual Integrations

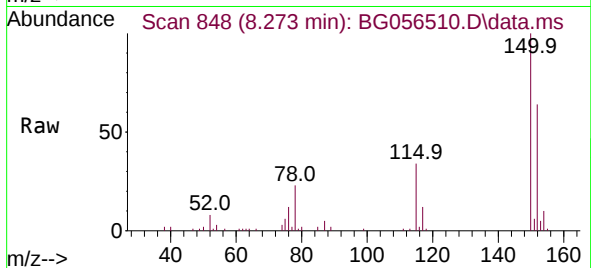
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.273 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

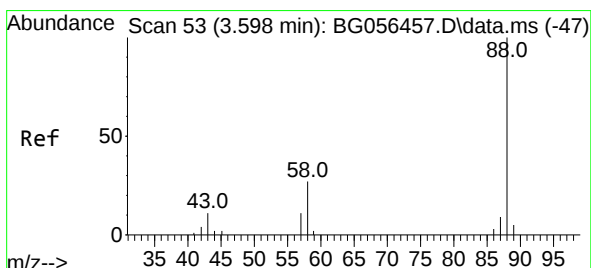
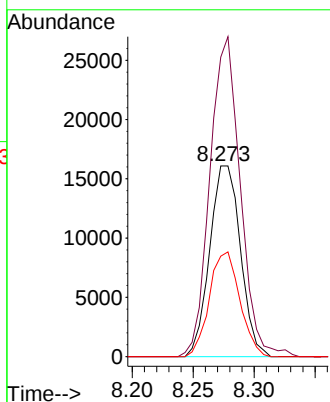
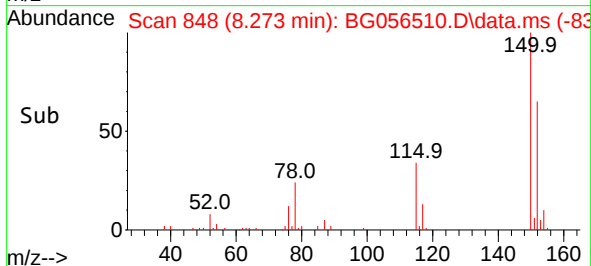
Instrument : BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:152 Resp: 28240
Ion Ratio Lower Upper
152 100
150 157.1 120.2 180.4
115 52.7 36.3 54.5

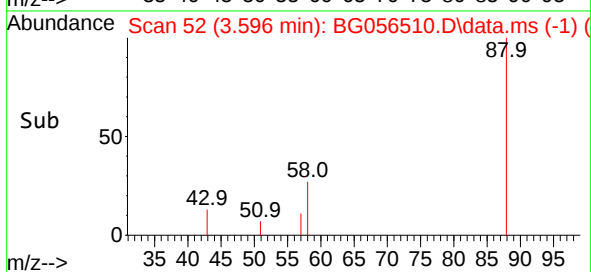
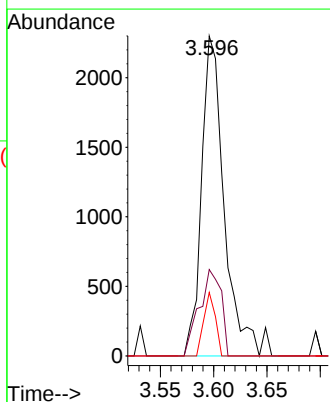
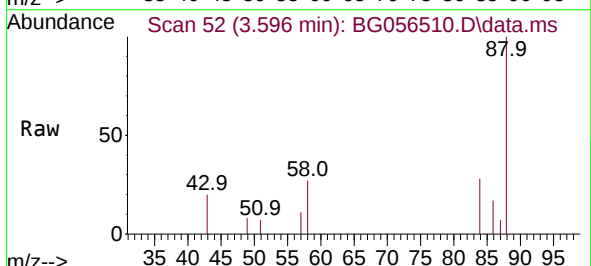
Manual Integrations
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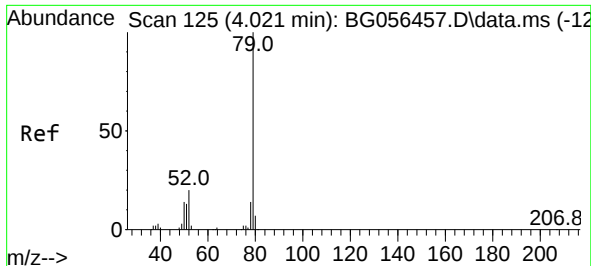
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#2
1,4-Dioxane
Concen: 5.358 ng
RT: 3.596 min Scan# 52
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion: 88 Resp: 3425
Ion Ratio Lower Upper
88 100
58 25.8 23.0 34.4
43 10.0 8.0 12.0





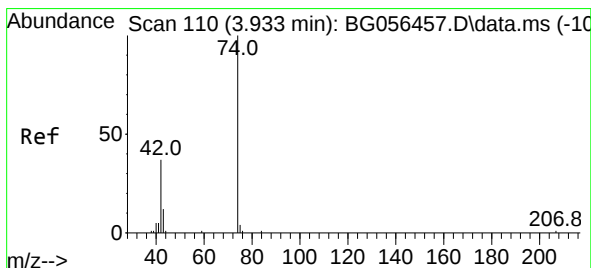
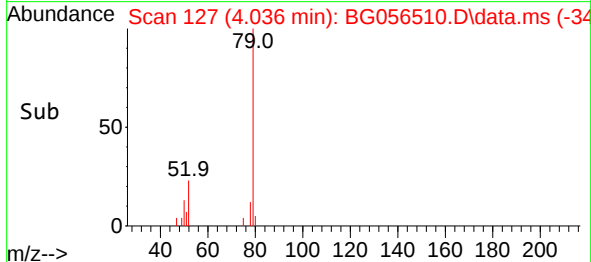
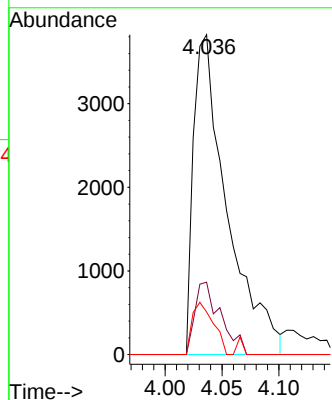
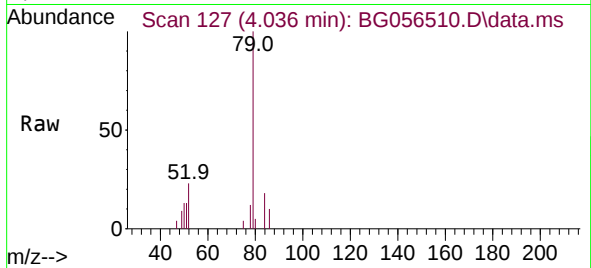
#3
Pyridine
Concen: 4.127 ng
RT: 4.036 min Scan# 110
Delta R.T. 0.015 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 79 Resp: 7863
Ion Ratio Lower Upper
79 100
52 22.6 16.1 24.1
51 13.3 10.7 16.1

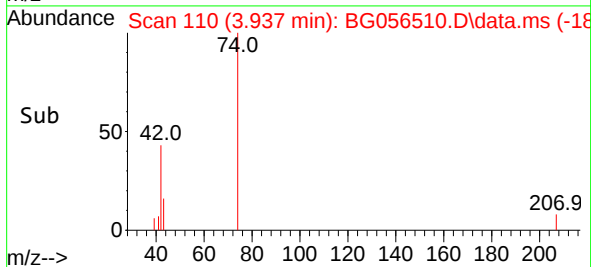
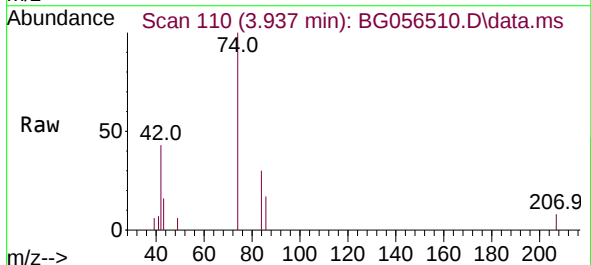
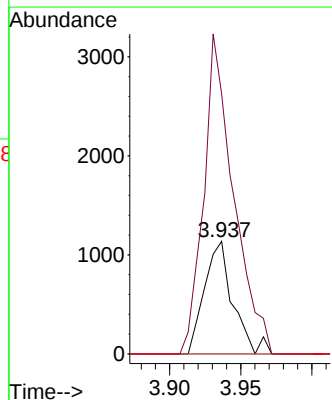
Manual Integrations
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Supervised By :Jagrut Upadhyay 02/03/2023



#4
n-Nitrosodimethylamine
Concen: 3.897 ng
RT: 3.937 min Scan# 110
Delta R.T. 0.009 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion: 42 Resp: 1579
Ion Ratio Lower Upper
42 100
74 231.0 217.9 326.9
44 0.0 3.0 4.6#





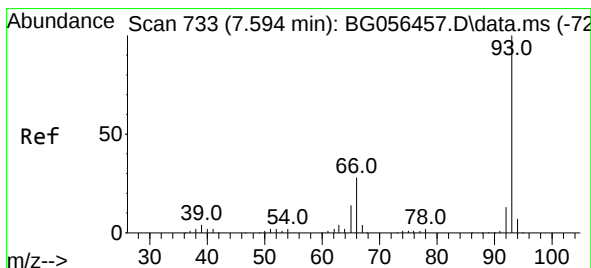
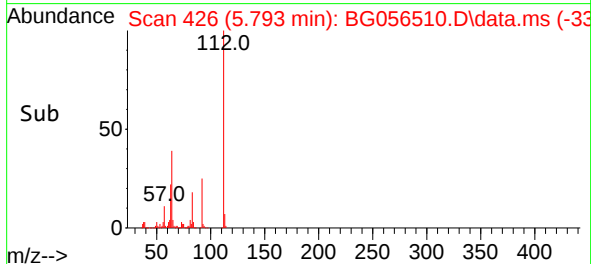
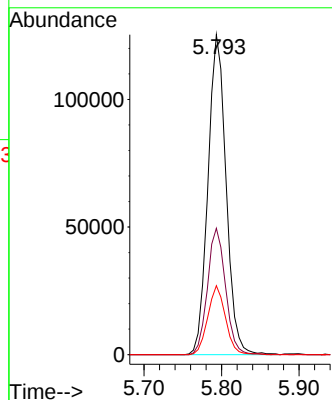
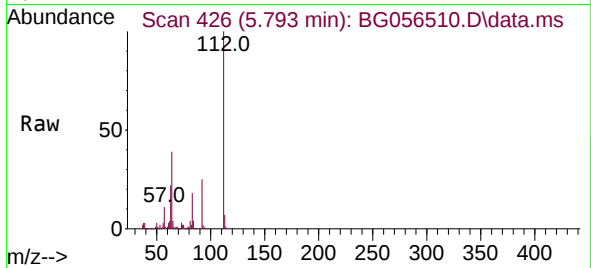
#5
2-Fluorophenol
Concen: 132.476 ng
RT: 5.793 min Scan# 428
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 112 Resp: 203369
Ion Ratio Lower Upper
112 100
64 39.5 31.9 47.9
63 21.5 17.4 26.0

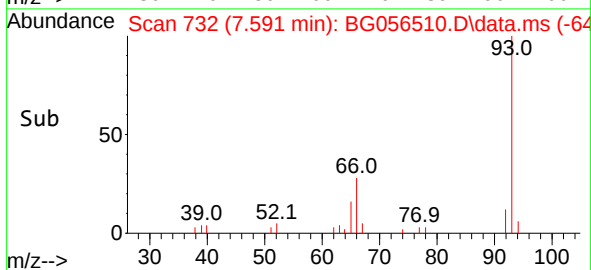
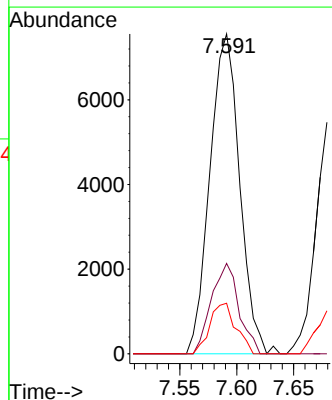
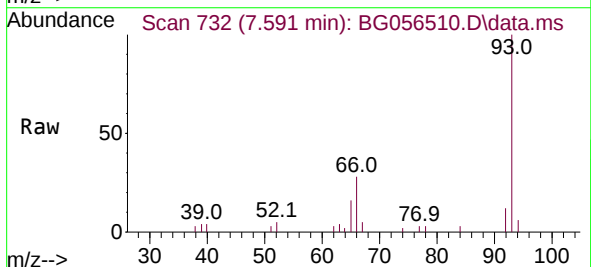
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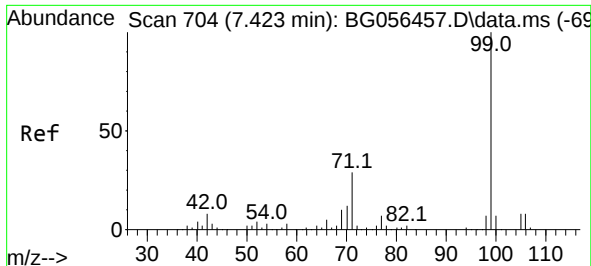
Reviewed By :Christian Giraldo 02/03/2023
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#6
Aniline
Concen: 4.614 ng
RT: 7.591 min Scan# 732
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

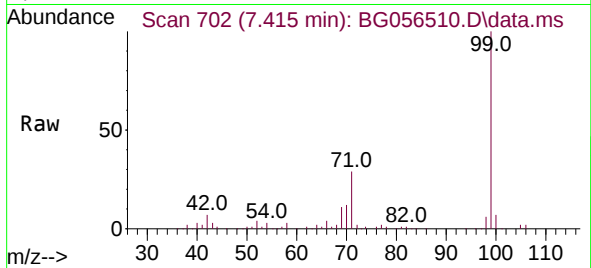
Tgt Ion: 93 Resp: 13742
Ion Ratio Lower Upper
93 100
66 28.3 22.2 33.2
65 15.8 11.3 16.9





#7
Phenol-d6
Concen: 126.190 ng
RT: 7.415 min Scan# 704
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

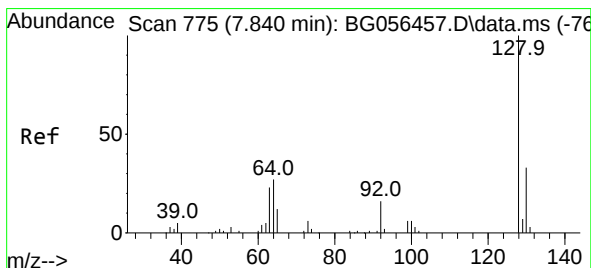
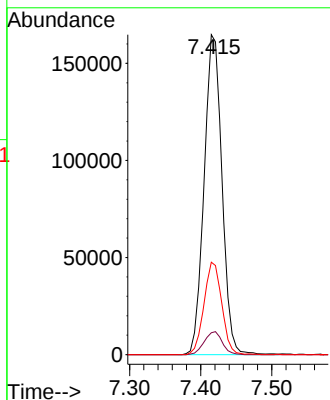
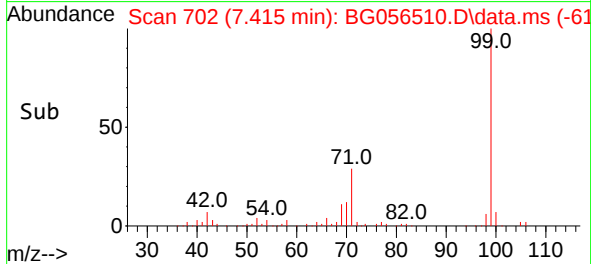
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion: 99 Resp: 287028
Ion Ratio Lower Upper
99 100
42 6.8 6.6 10.0
71 28.9 23.4 35.0

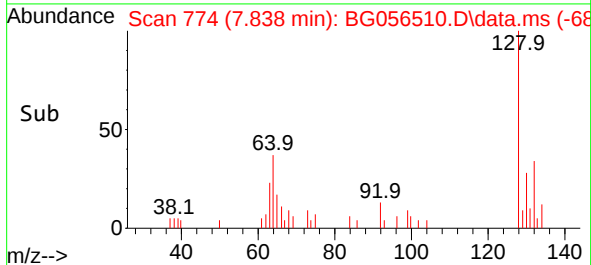
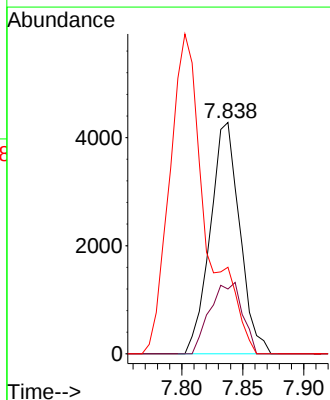
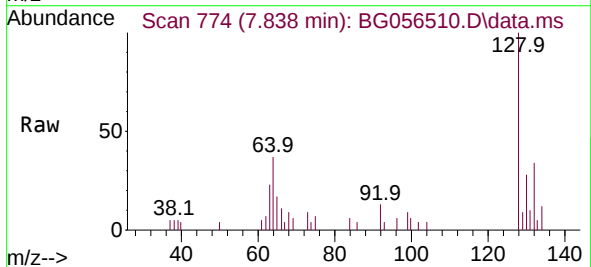
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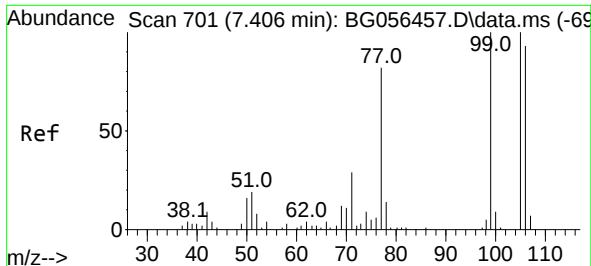
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#8
2-Chlorophenol
Concen: 4.279 ng
RT: 7.838 min Scan# 774
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:128 Resp: 7217
Ion Ratio Lower Upper
128 100
130 28.0 12.8 52.8
64 37.4 11.3 51.3





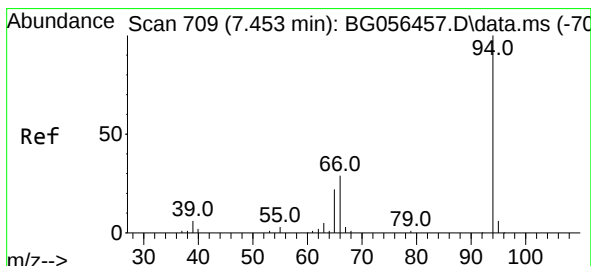
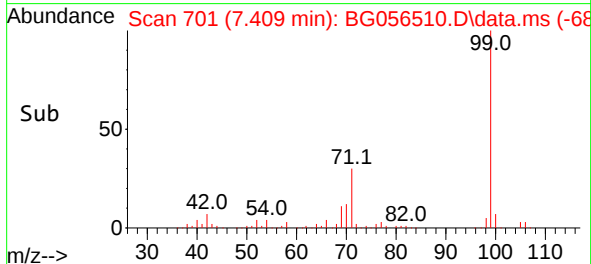
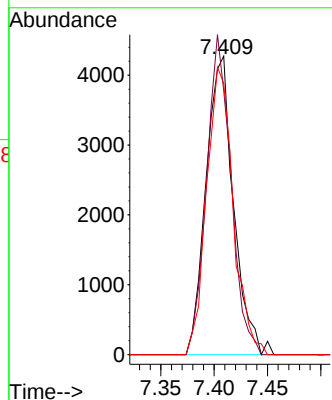
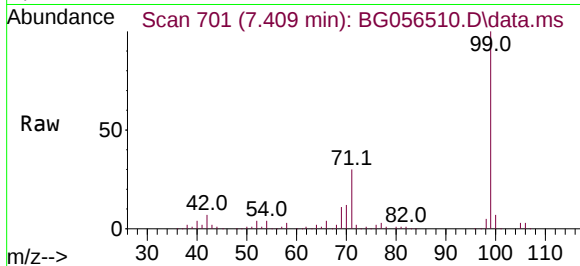
#9
Benzaldehyde
Concen: 5.485 ng
RT: 7.409 min Scan# 701
Delta R.T. 0.009 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 77 Resp: 7684
Ion Ratio Lower Upper
77 100
105 88.4 101.8 141.8
106 90.9 93.0 133.0

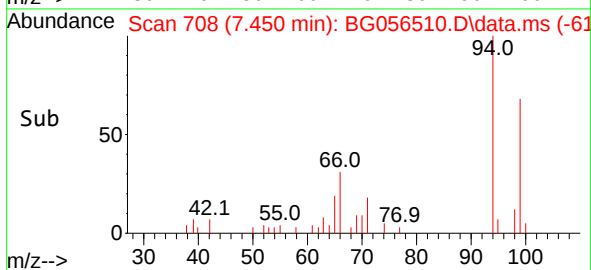
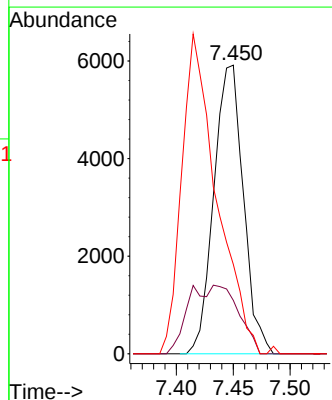
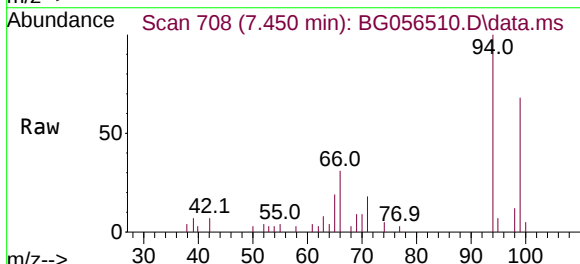
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#10
Phenol
Concen: 4.622 ng
RT: 7.450 min Scan# 708
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion: 94 Resp: 10686
Ion Ratio Lower Upper
94 100
65 18.5 2.3 42.3
66 31.0 11.2 51.2





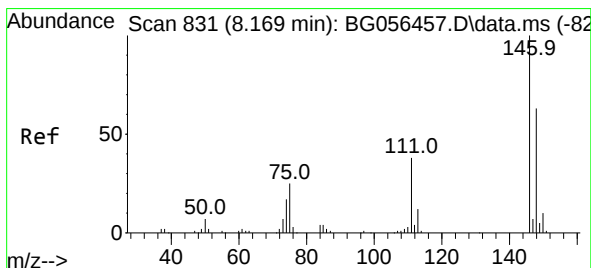
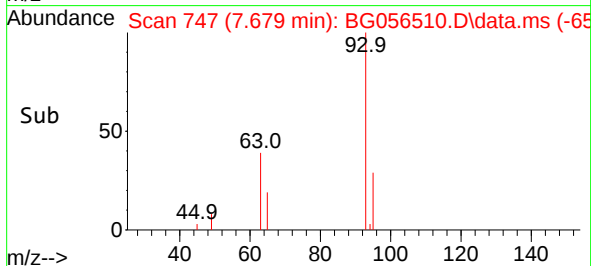
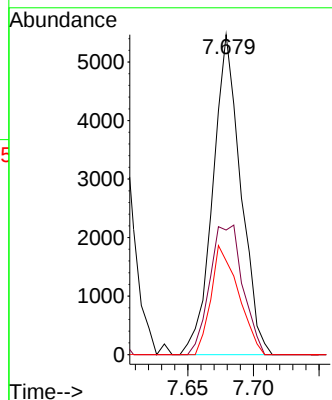
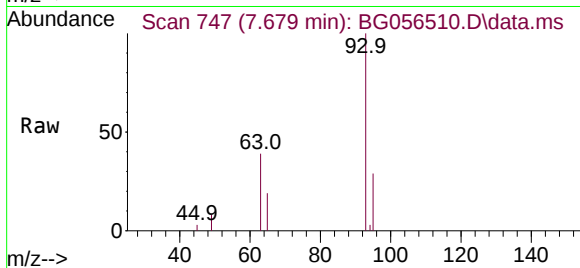
#11
bis(2-Chloroethyl)ether
Concen: 5.095 ng
RT: 7.679 min Scan# 748
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 93 Resp: 8096
Ion Ratio Lower Upper
93 100
63 38.9 32.4 72.4
95 29.3 11.8 51.8

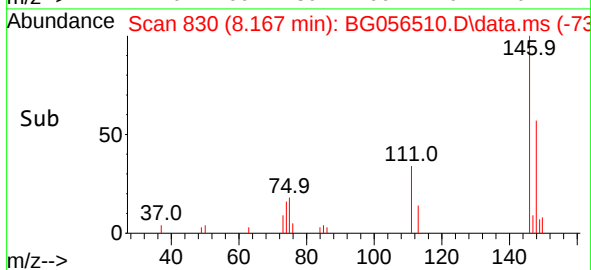
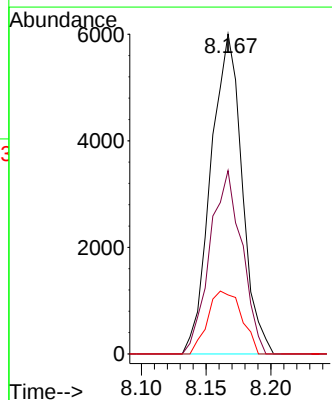
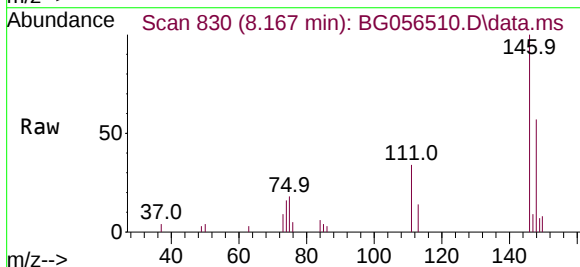
Manual Integrations
APPROVED

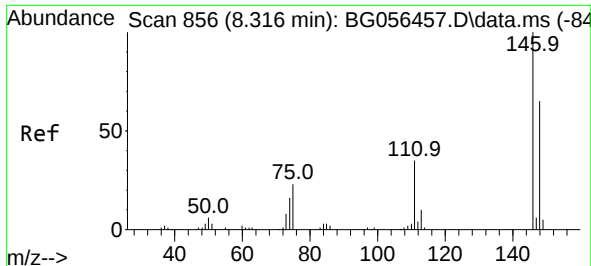
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#12
1,3-Dichlorobenzene
Concen: 5.184 ng m
RT: 8.167 min Scan# 830
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:146 Resp: 10066
Ion Ratio Lower Upper
146 100
148 57.3 50.6 75.8
75 18.4 19.6 29.4#





#13

1,4-Dichlorobenzene

Concen: 5.099 ng

RT: 8.314 min Scan# 81

Delta R.T. 0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

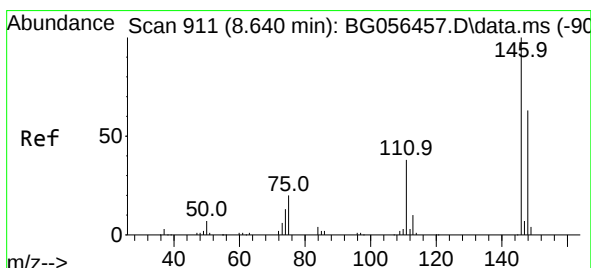
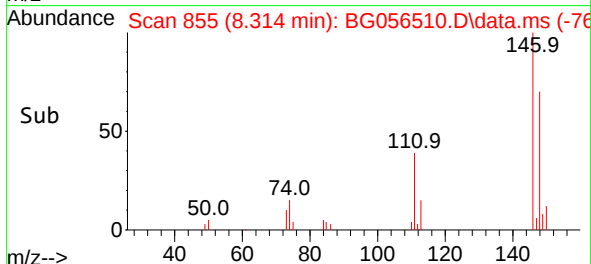
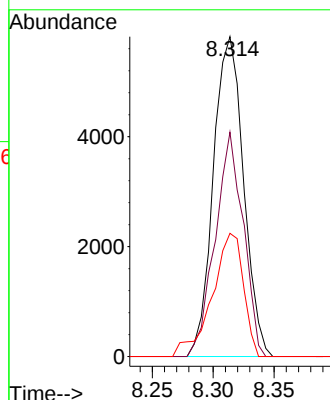
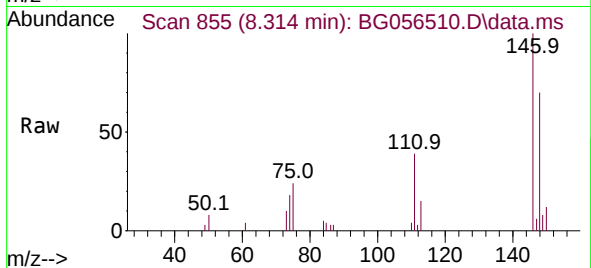
ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:146 Resp: 1002
 Ion Ratio Lower Upper
 146 100
 148 70.1 51.8 77.6
 111 38.5 28.6 42.8

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023



#14

1,2-Dichlorobenzene

Concen: 5.167 ng

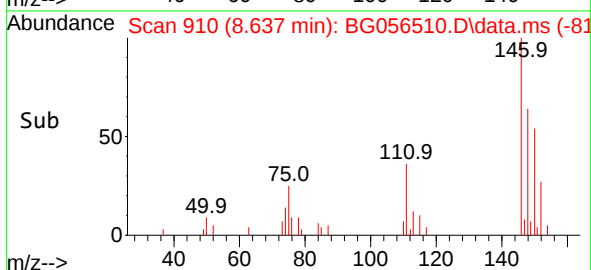
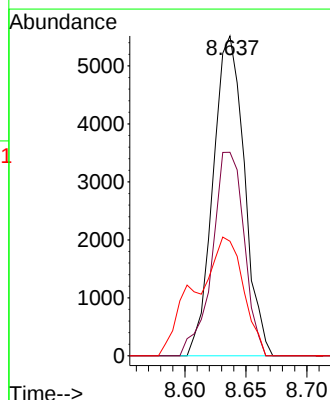
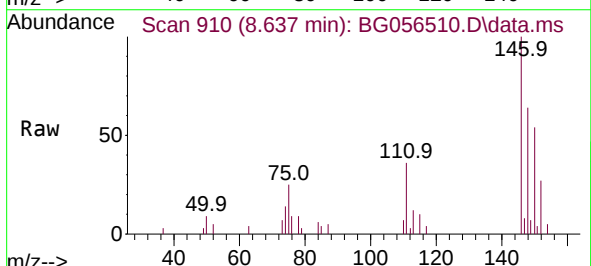
RT: 8.637 min Scan# 910

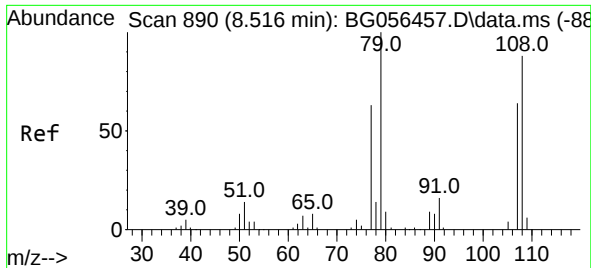
Delta R.T. 0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Tgt Ion:146 Resp: 9857
 Ion Ratio Lower Upper
 146 100
 148 63.6 50.1 75.1
 111 35.8 30.9 46.3





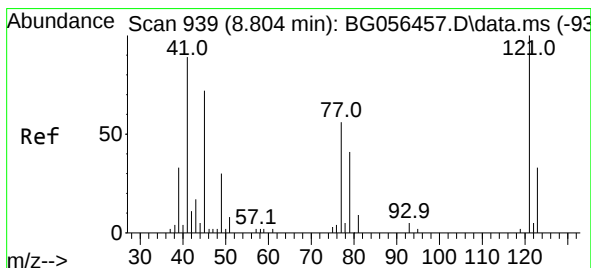
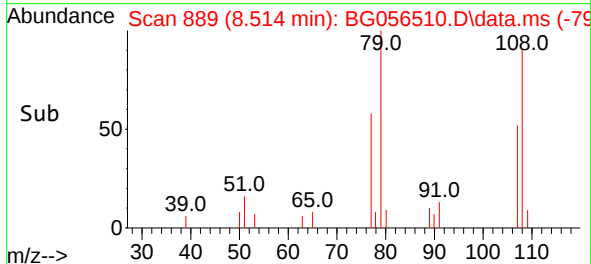
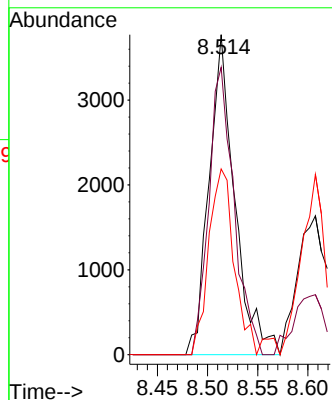
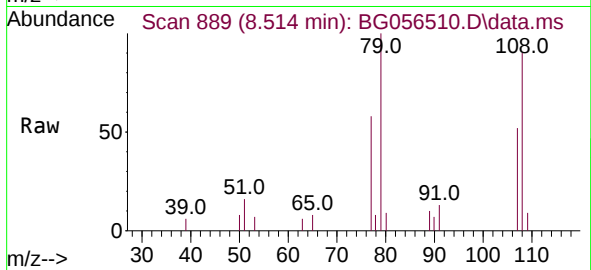
#15
Benzyl Alcohol
Concen: 4.299 ng
RT: 8.514 min Scan# 889
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 79 Resp: 6709
Ion Ratio Lower Upper
79 100
108 89.8 70.1 105.1
77 58.0 50.3 75.5

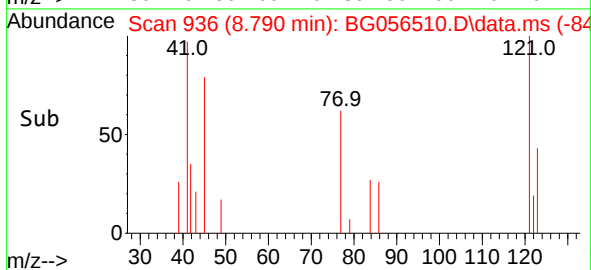
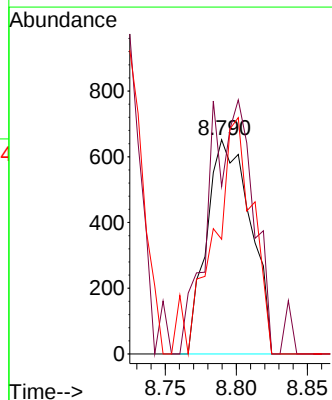
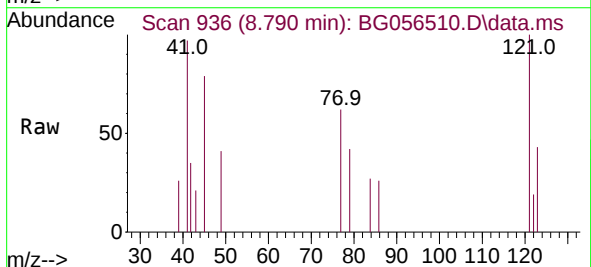
Manual Integrations
APPROVED

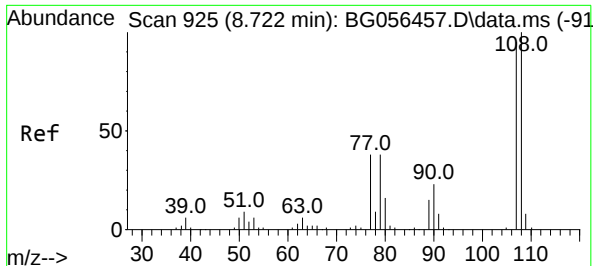
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.152 ng
RT: 8.790 min Scan# 936
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

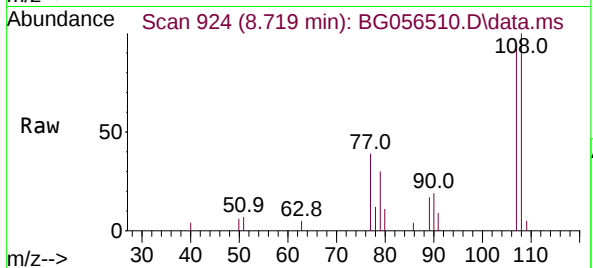
Tgt Ion: 45 Resp: 1398
Ion Ratio Lower Upper
45 100
77 78.2 62.1 102.1
79 53.5 42.7 82.7





#17
2-Methylphenol
Concen: 4.028 ng
RT: 8.719 min Scan# 91
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

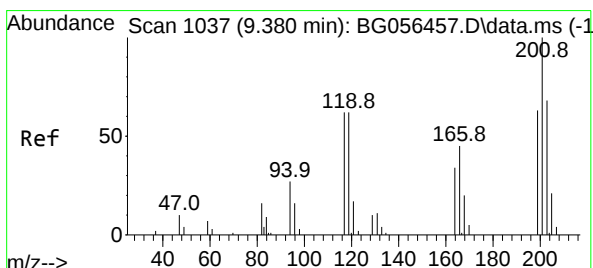
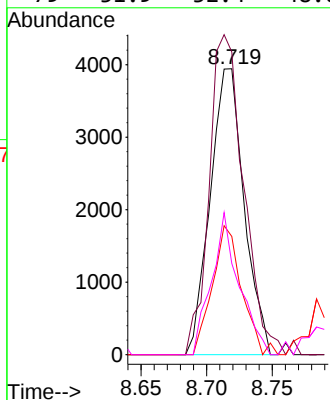
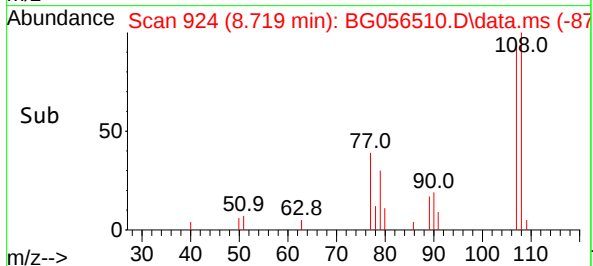
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



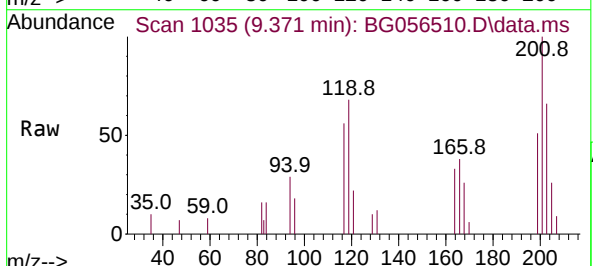
Tgt Ion:	107	Resp:	7085
Ion	Ratio	Lower	Upper
107	100		
108	105.9	83.9	125.9
77	41.4	31.6	47.4
79	31.9	32.4	48.6

Manual Integrations
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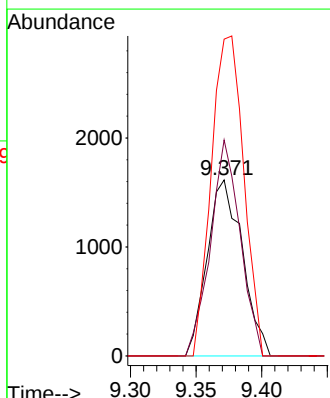
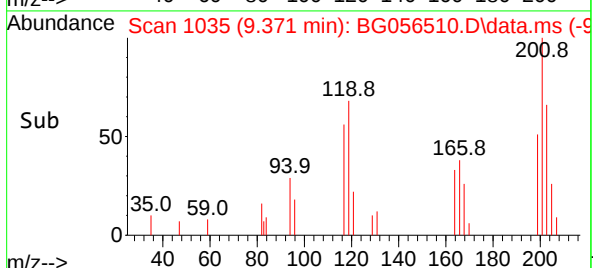
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

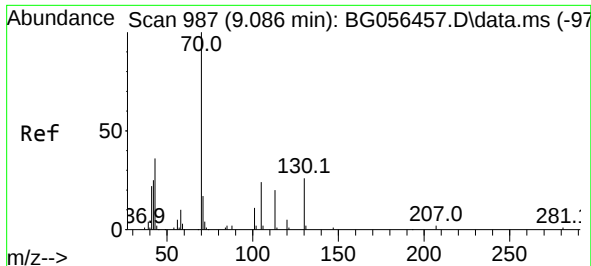


#18
Hexachloroethane
Concen: 5.051 ng
RT: 9.371 min Scan# 1035
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



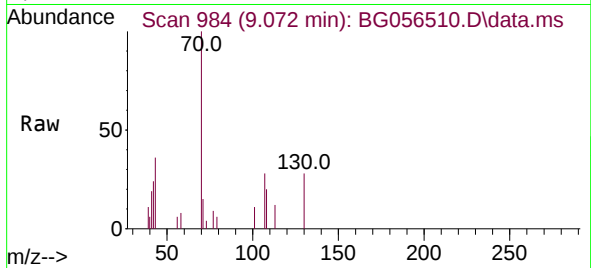
Tgt Ion:	117	Resp:	3004
Ion	Ratio	Lower	Upper
117	100		
119	122.8	79.4	119.0
201	180.1	128.5	192.7





#19
n-Nitroso-di-n-propylamine
Concen: 4.635 ng
RT: 9.072 min Scan# 987
Delta R.T. -0.009 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

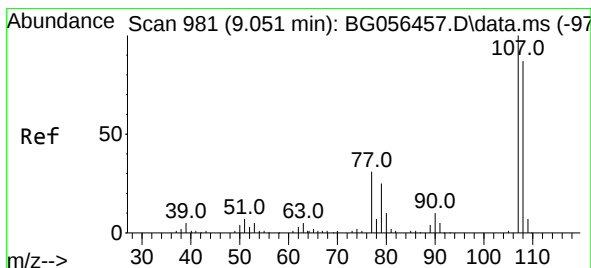
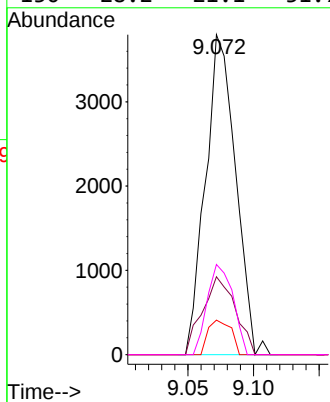
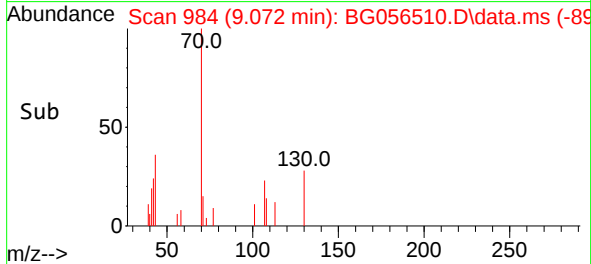
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



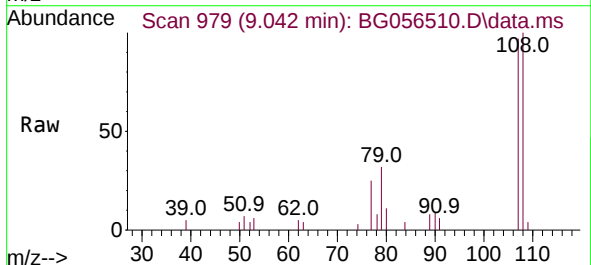
Tgt Ion: 70 Resp: 6076
Ion Ratio Lower Upper
70 100
42 24.3 20.2 30.4
101 10.8 9.1 13.7
130 28.2 21.1 31.7

Manual Integrations
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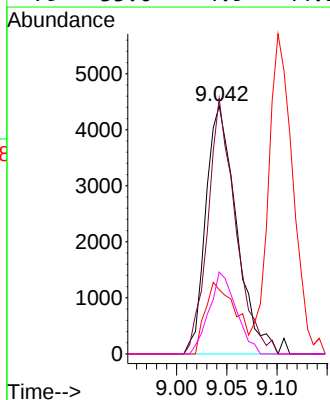
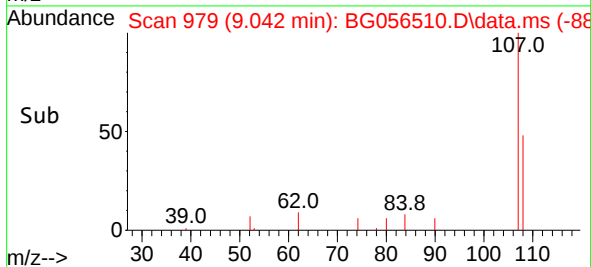
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

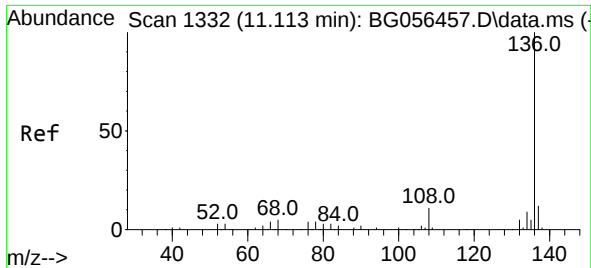


#20
3+4-Methylphenols
Concen: 3.817 ng
RT: 9.042 min Scan# 979
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



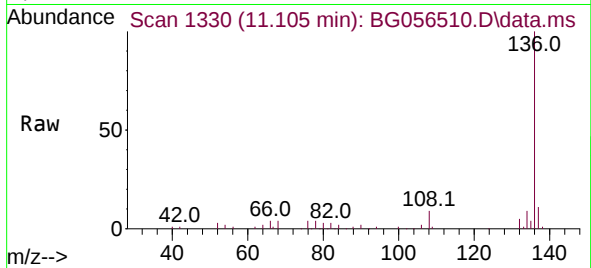
Tgt Ion:107 Resp: 9408
Ion Ratio Lower Upper
107 100
108 103.0 66.7 106.7
77 25.9 10.6 50.6
79 33.0 4.9 44.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.105 min Scan# 1330
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

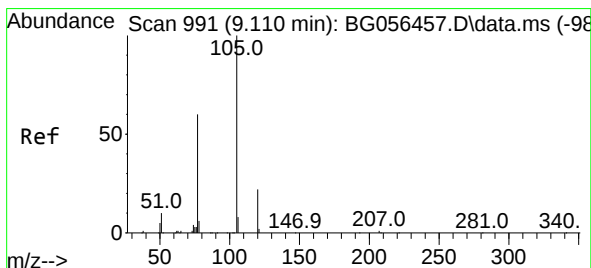
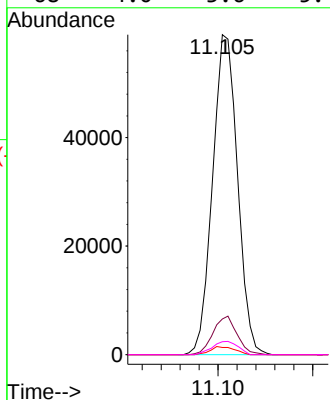
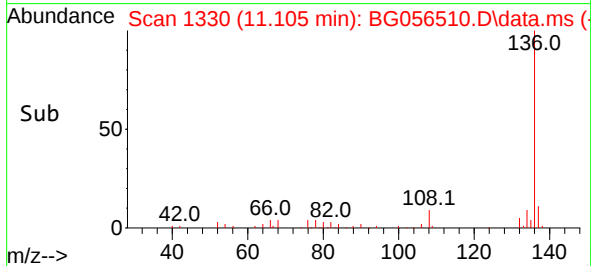
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT4-2022



Tgt Ion:136 Resp: 107738
Ion Ratio Lower Upper
136 100
137 11.1 9.4 14.0
54 2.2 2.2 3.4
68 4.0 3.6 5.4

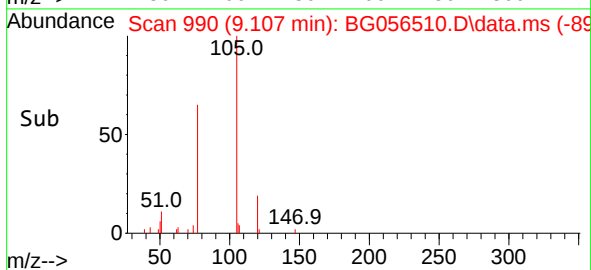
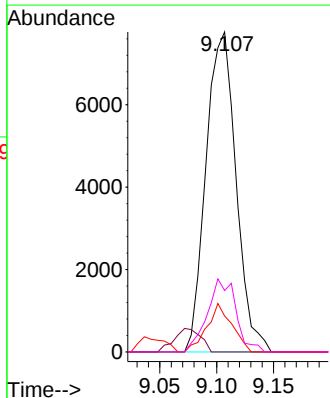
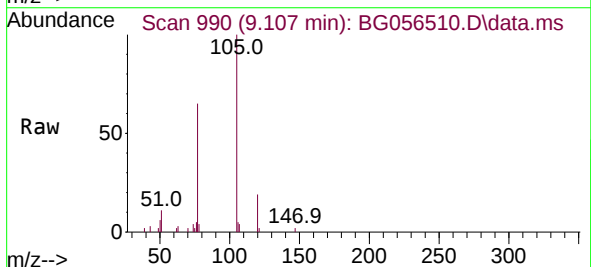
Manual Integrations
APPROVED

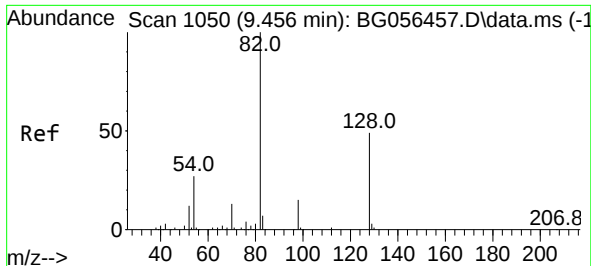
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#22
Acetophenone
Concen: 4.992 ng
RT: 9.107 min Scan# 990
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

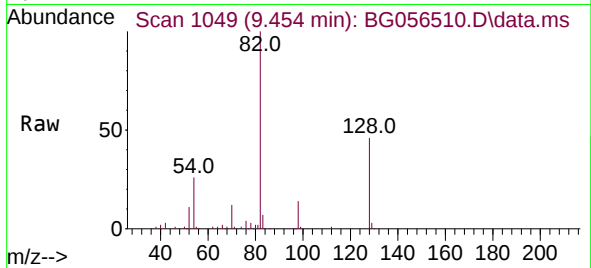
Tgt Ion:105 Resp: 14289
Ion Ratio Lower Upper
105 100
71 0.0 0.6 0.8
51 11.2 9.2 13.8
120 19.2 17.4 26.0





#23
Nitrobenzene-d5
Concen: 98.177 ng
RT: 9.454 min Scan# 1049
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

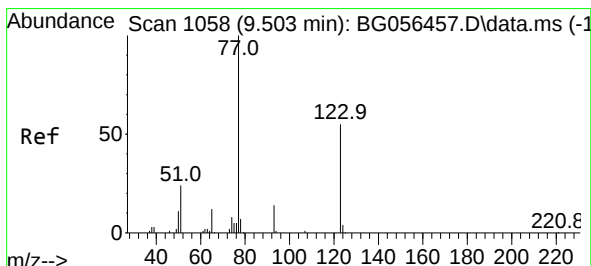
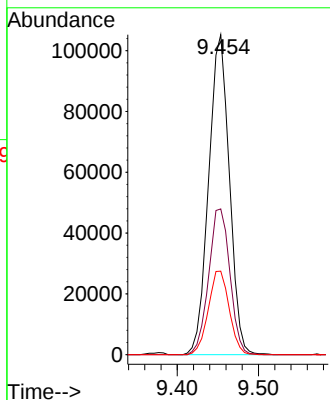
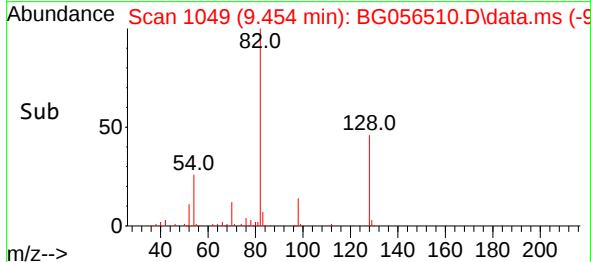
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT4-2022



Tgt Ion: 82 Resp: 186270
Ion Ratio Lower Upper
82 100
128 45.6 39.4 59.2
54 26.1 21.4 32.2

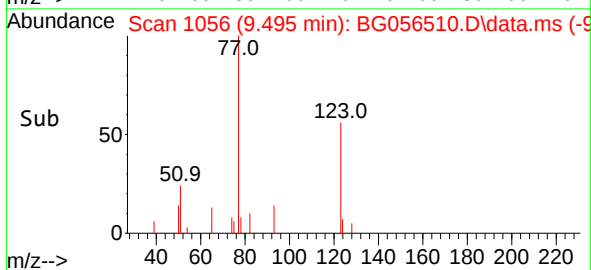
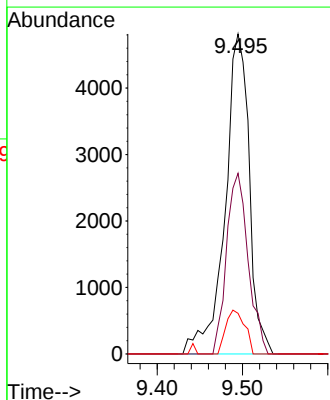
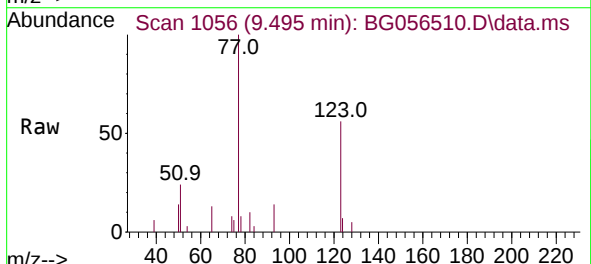
Manual Integrations
APPROVED

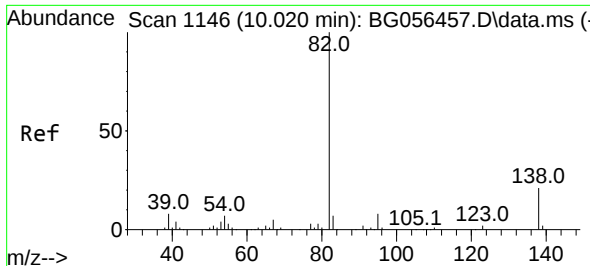
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#24
Nitrobenzene
Concen: 5.174 ng
RT: 9.495 min Scan# 1056
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion: 77 Resp: 9469
Ion Ratio Lower Upper
77 100
123 56.4 44.0 66.0
65 12.7 9.7 14.5





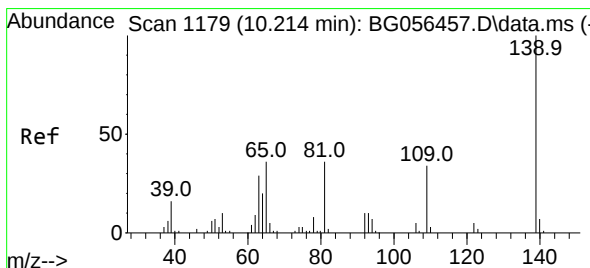
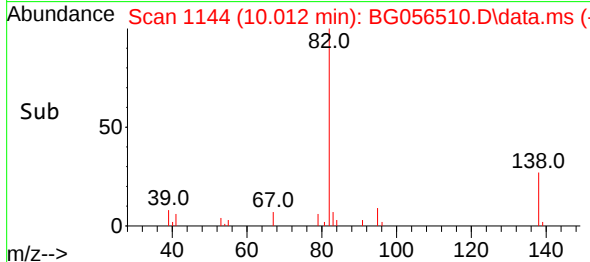
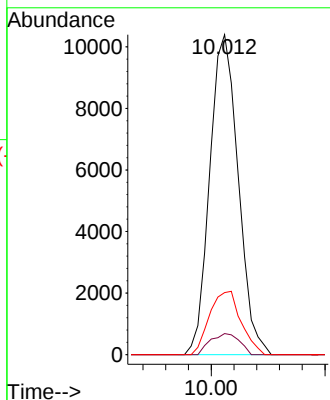
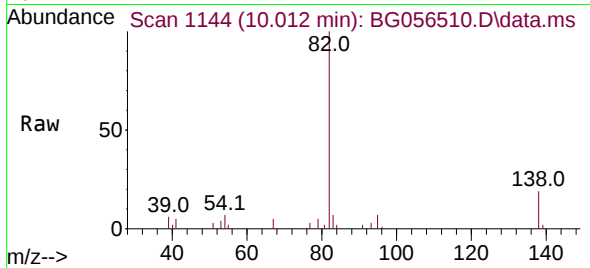
#25
Isophorone
Concen: 4.620 ng
RT: 10.012 min Scan# 1146
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 82 Resp: 18082
Ion Ratio Lower Upper
82 100
95 6.6 6.3 9.5
138 19.4 16.6 25.0

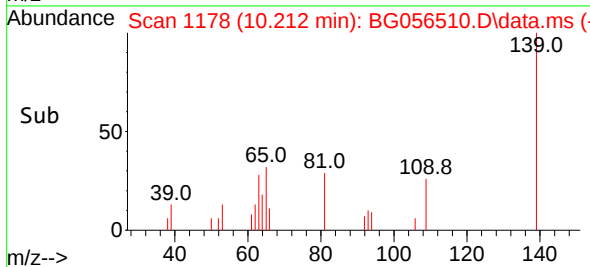
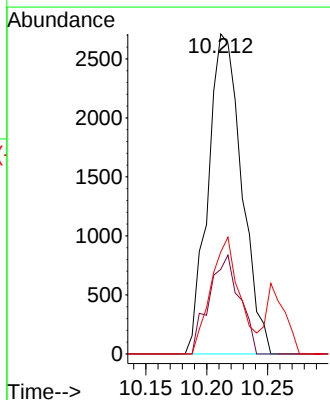
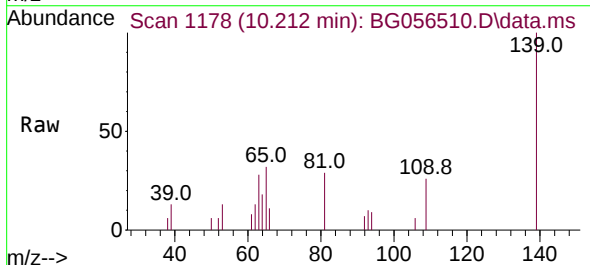
Manual Integrations
APPROVED

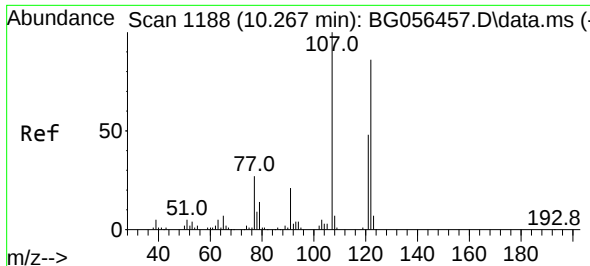
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#26
2-Nitrophenol
Concen: 4.698 ng
RT: 10.212 min Scan# 1178
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

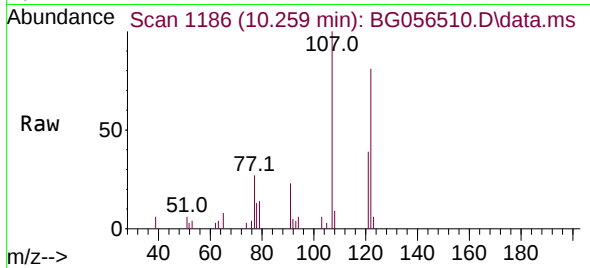
Tgt Ion:139 Resp: 5216
Ion Ratio Lower Upper
139 100
109 26.4 26.9 40.3#
65 31.9 29.0 43.4





#27
2,4-Dimethylphenol
Concen: 4.346 ng
RT: 10.259 min Scan# 1186
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

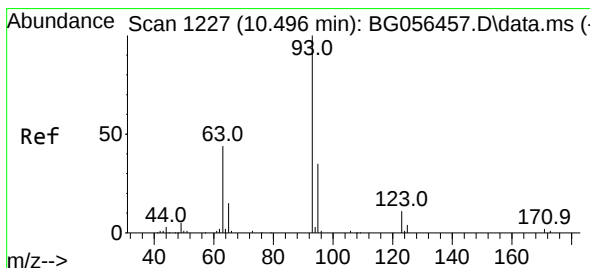
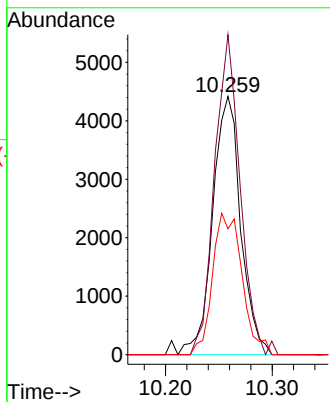
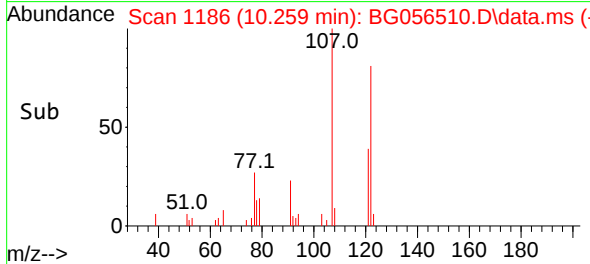
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:122 Resp: 807
Ion Ratio Lower Upper
122 100
107 124.0 92.9 139.3
121 48.8 45.0 67.4

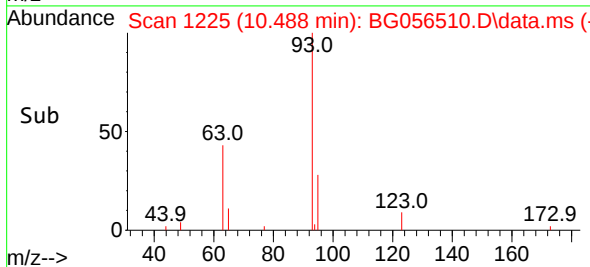
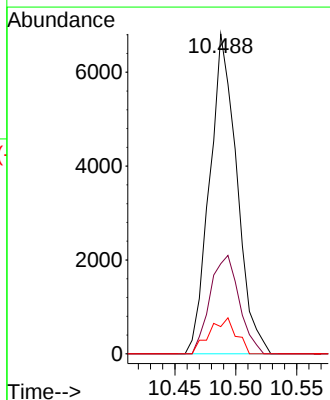
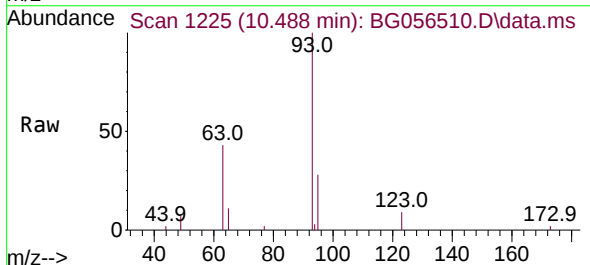
Manual Integrations
APPROVED

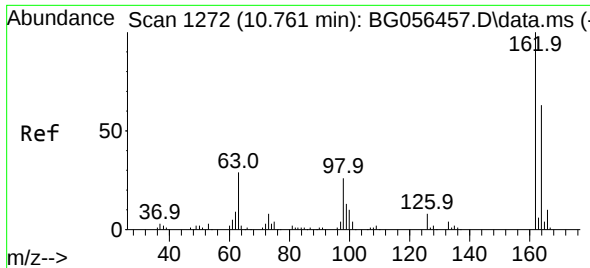
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#28
bis(2-Chloroethoxy)methane
Concen: 4.896 ng
RT: 10.488 min Scan# 1225
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion: 93 Resp: 10587
Ion Ratio Lower Upper
93 100
95 28.2 27.9 41.9
123 8.5 8.6 12.8#





#29

2,4-Dichlorophenol

Concen: 4.371 ng

RT: 10.758 min Scan# 11

Delta R.T. 0.003 min

Lab File: BG056510.D

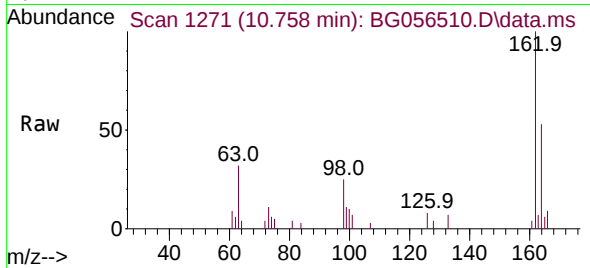
Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

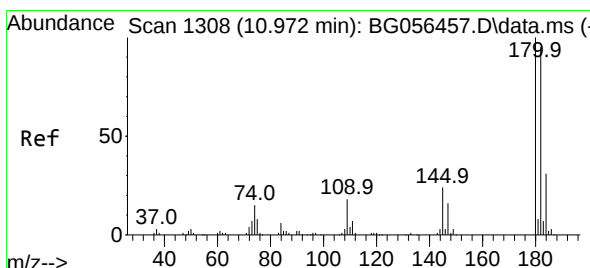
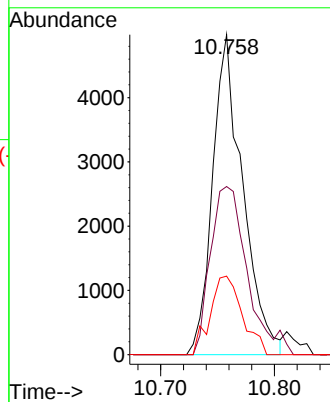
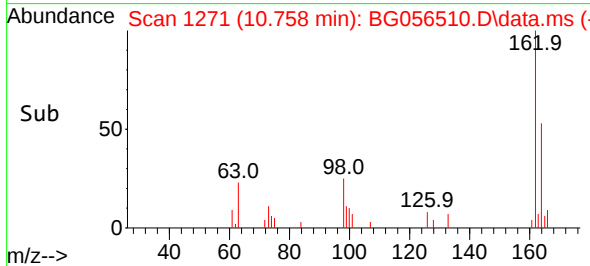


Tgt Ion:	162	Resp:	914
Ion Ratio	Lower	Upper	
162	100		
164	52.5	42.8	82.8
98	24.5	6.5	46.5

Manual Integrations

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Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#30

1,2,4-Trichlorobenzene

Concen: 4.889 ng

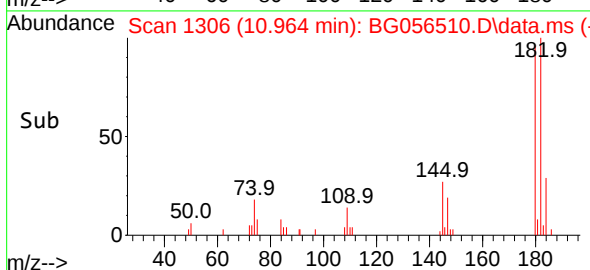
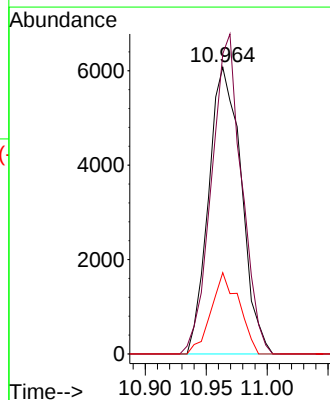
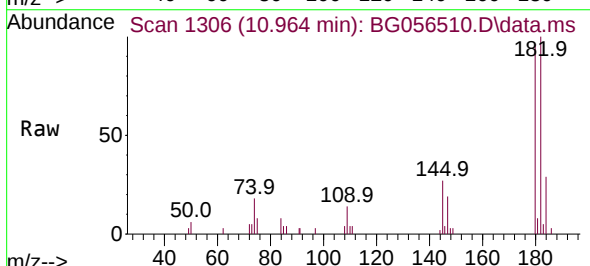
RT: 10.964 min Scan# 1306

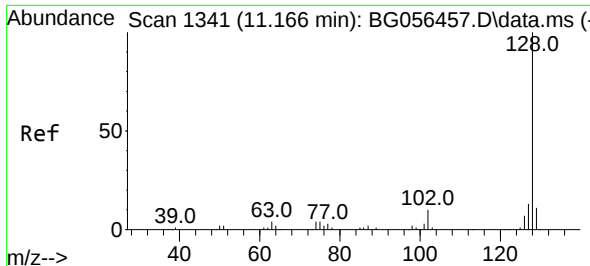
Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

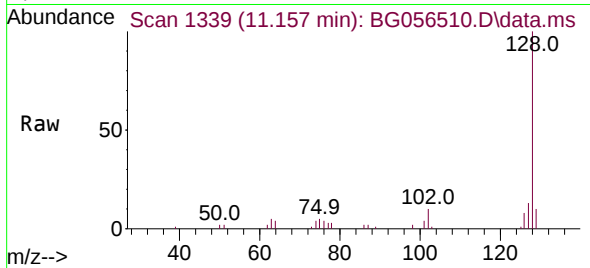
Tgt Ion:	180	Resp:	11365
Ion Ratio	Lower	Upper	
180	100		
182	96.8	75.9	113.9
145	30.6	19.4	29.0





#31
Naphthalene
Concen: 4.846 ng
RT: 11.157 min Scan# 1339
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

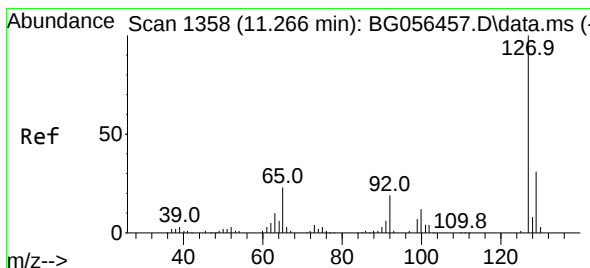
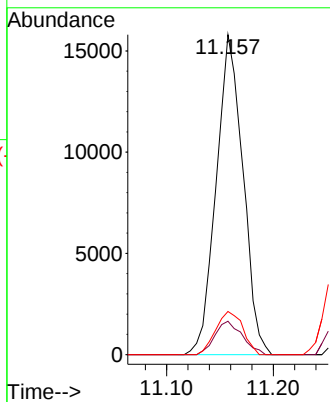
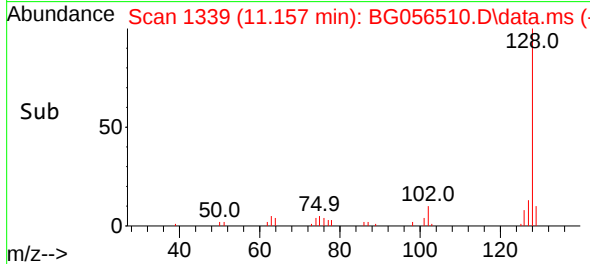
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



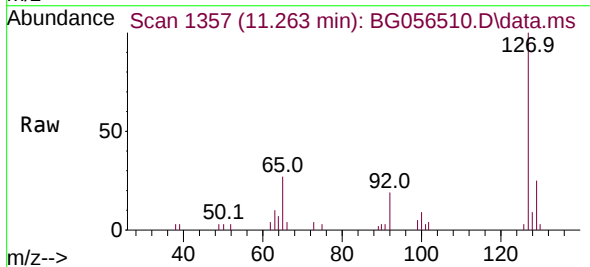
Tgt Ion:128 Resp: 27559
Ion Ratio Lower Upper
128 100
129 10.4 8.7 13.1
127 13.5 10.4 15.6

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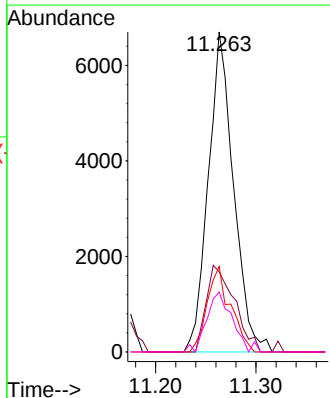
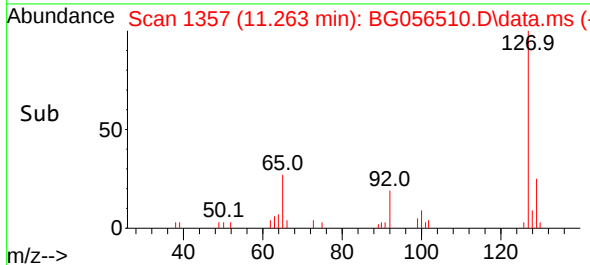
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

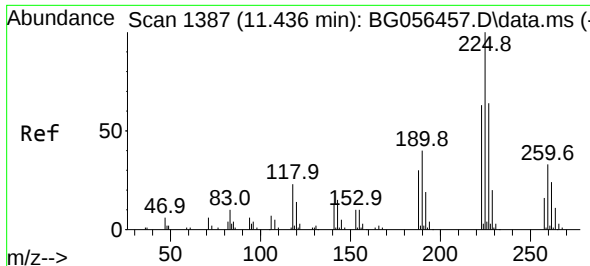


#33
4-Chloroaniline
Concen: 4.426 ng
RT: 11.263 min Scan# 1357
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



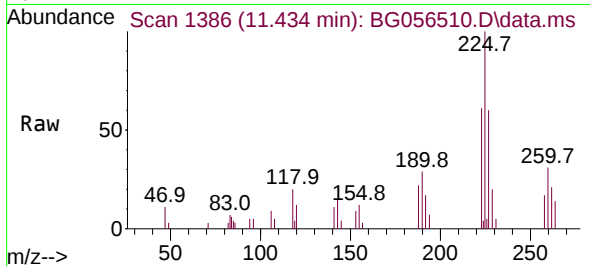
Tgt Ion:127 Resp: 11747
Ion Ratio Lower Upper
127 100
129 25.0 25.0 37.6#
65 26.7 18.5 27.7
92 18.7 15.2 22.8





#34
Hexachlorobutadiene
Concen: 5.390 ng
RT: 11.434 min Scan# 1386
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

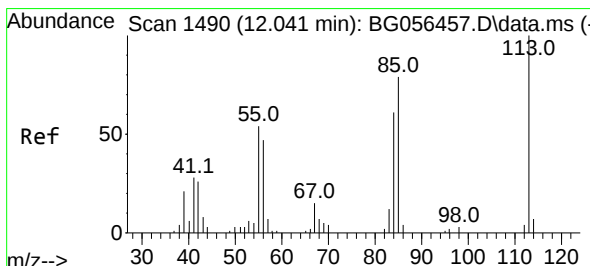
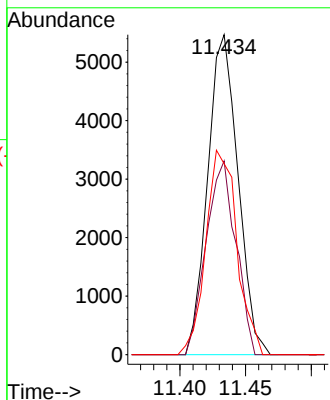
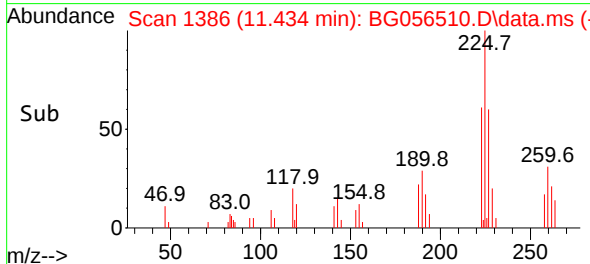
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:225 Resp: 8795
Ion Ratio Lower Upper
225 100
223 60.5 50.6 75.8
227 59.6 53.7 80.5

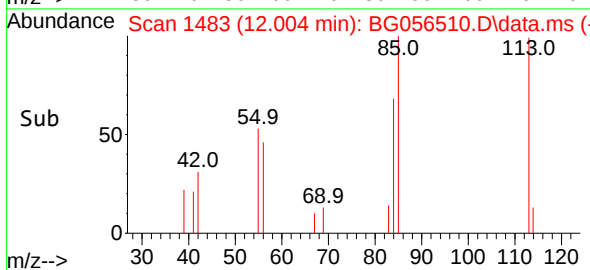
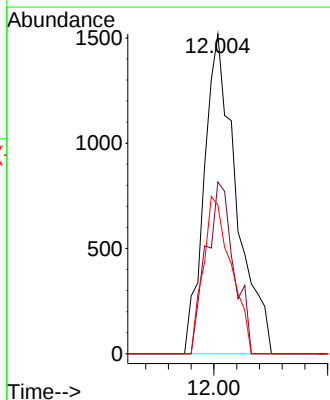
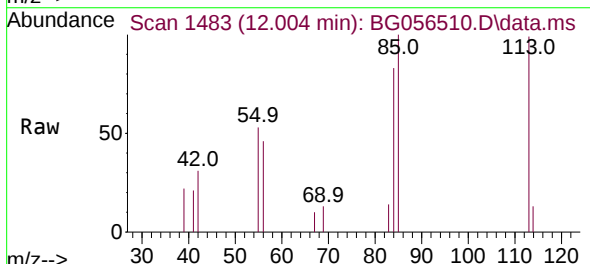
Manual Integrations
APPROVED

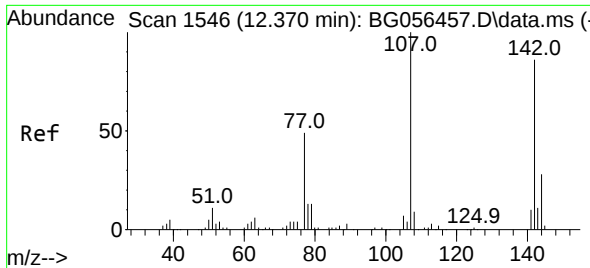
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#35
Caprolactam
Concen: 4.226 ng
RT: 12.004 min Scan# 1483
Delta R.T. -0.026 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

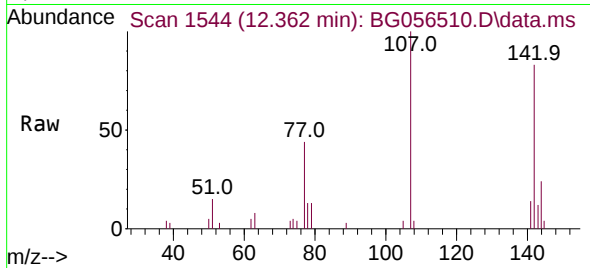
Tgt Ion:113 Resp: 2981
Ion Ratio Lower Upper
113 100
55 53.7 33.7 73.7
56 46.5 27.1 67.1





#36
4-Chloro-3-methylphenol
Concen: 4.305 ng
RT: 12.362 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

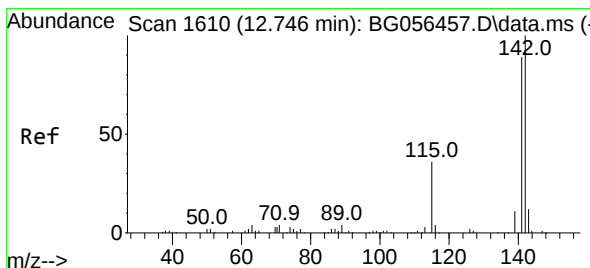
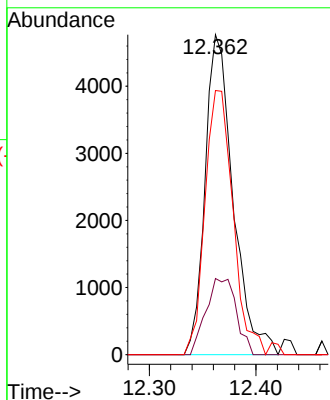
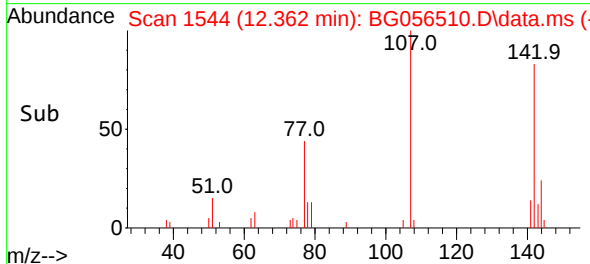
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



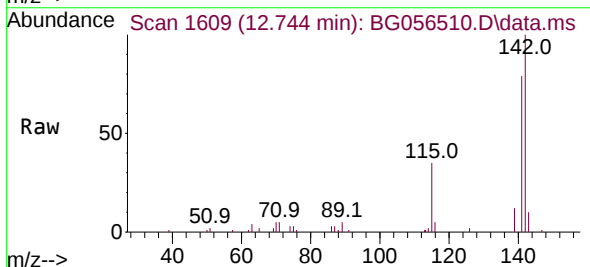
Tgt Ion:107 Resp: 8696
Ion Ratio Lower Upper
107 100
144 27.3 22.3 33.5
142 82.5 68.9 103.3

Manual Integrations
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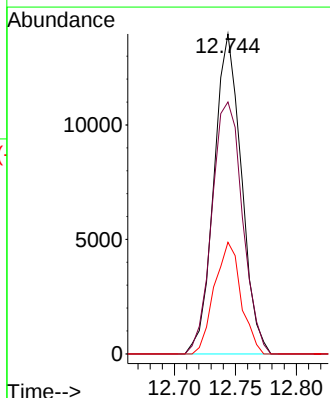
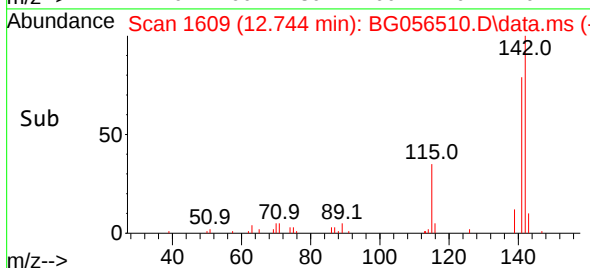
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

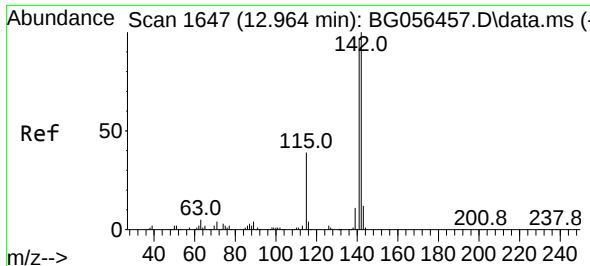


#37
2-Methylnaphthalene
Concen: 4.654 ng
RT: 12.744 min Scan# 1609
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



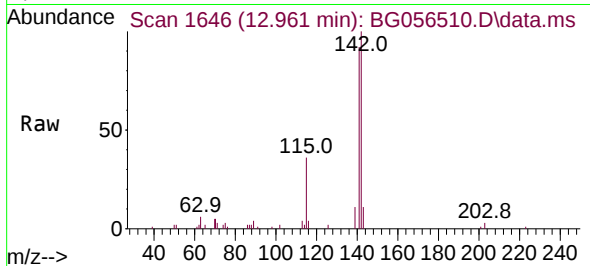
Tgt Ion:142 Resp: 21817
Ion Ratio Lower Upper
142 100
141 78.7 71.4 107.0
115 34.9 28.4 42.6





#38
1-Methylnaphthalene
Concen: 4.854 ng
RT: 12.961 min Scan# 1646
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

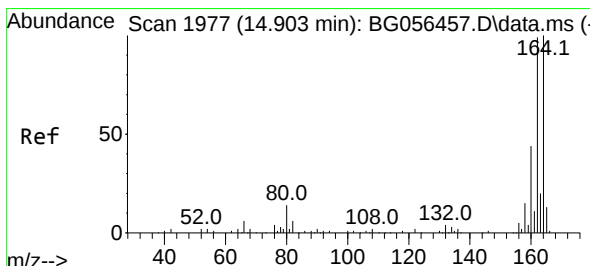
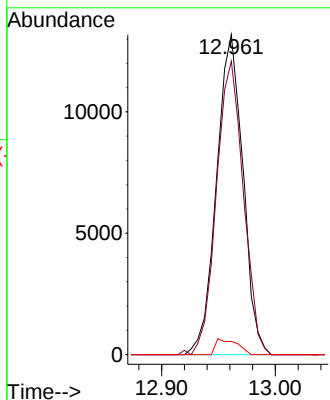
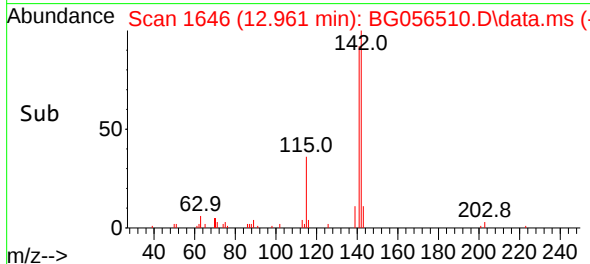
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



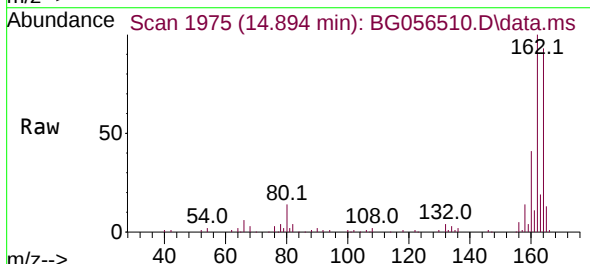
Tgt Ion:142 Resp: 21250
Ion Ratio Lower Upper
142 100
141 91.7 77.7 116.5
116 4.1 3.4 5.2

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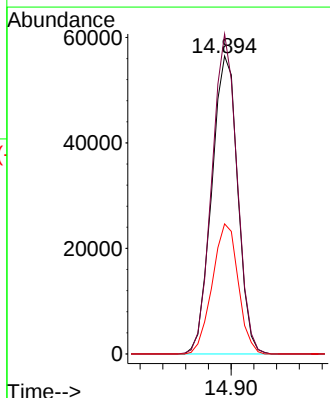
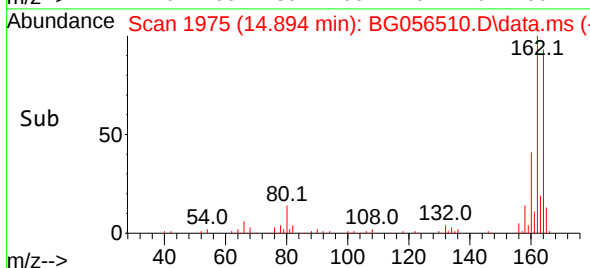
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

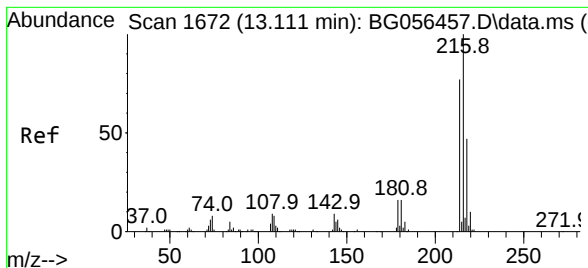


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.894 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



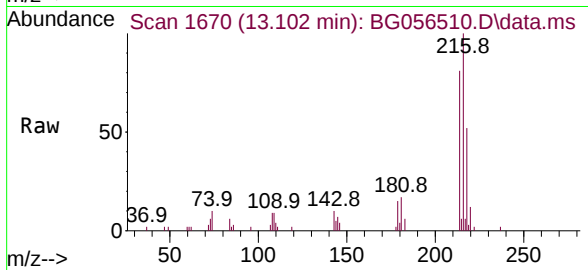
Tgt Ion:164 Resp: 89593
Ion Ratio Lower Upper
164 100
162 107.4 79.6 119.4
160 43.6 34.9 52.3





#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.142 ng
RT: 13.102 min Scan# 1683
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

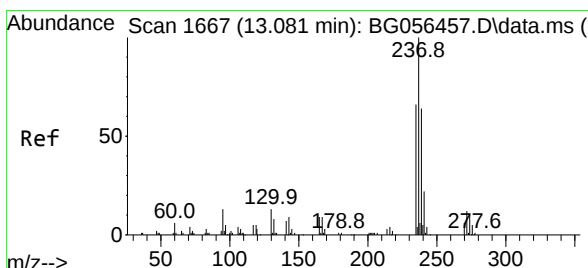
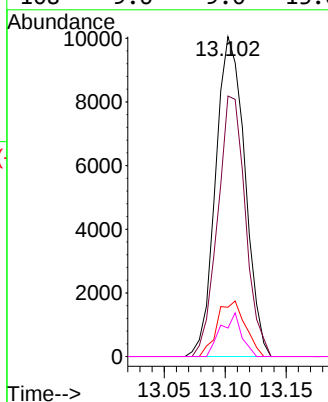
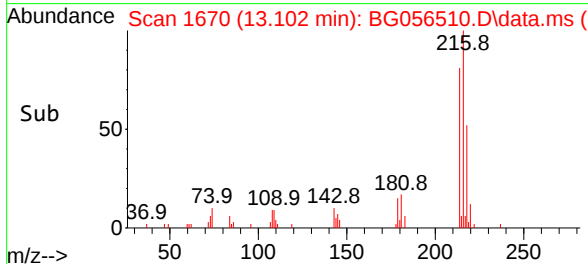
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



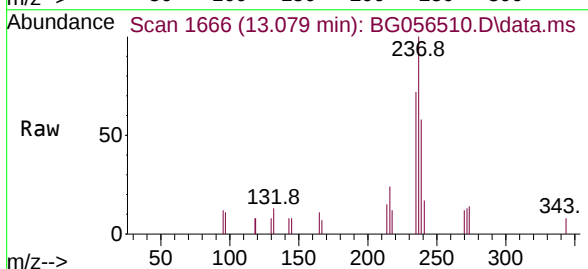
Tgt Ion:216 Resp: 1683
Ion Ratio Lower Upper
216 100
214 76.9 63.0 94.6
179 16.5 14.1 21.1
108 9.6 9.0 13.6

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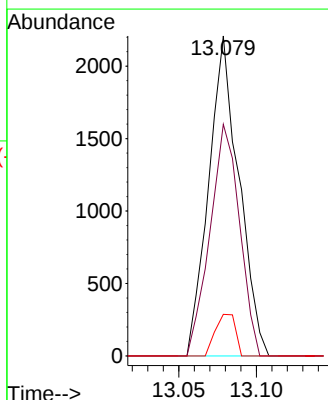
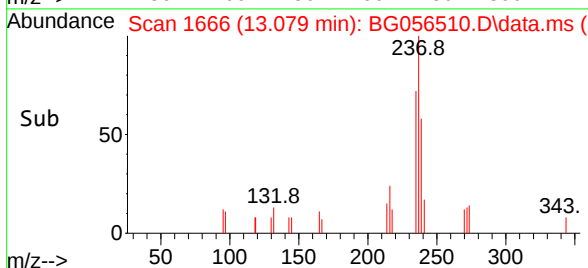
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

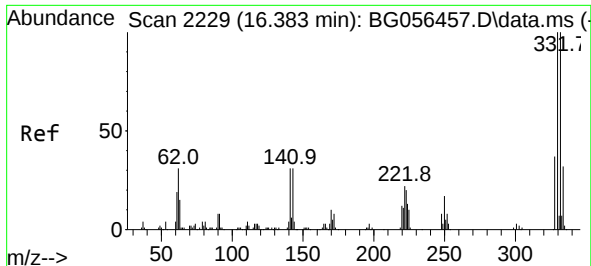


#41
Hexachlorocyclopentadiene
Concen: 7.964 ng
RT: 13.079 min Scan# 1666
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



Tgt Ion:237 Resp: 3003
Ion Ratio Lower Upper
237 100
235 72.4 45.6 85.6
272 13.0 0.0 32.3





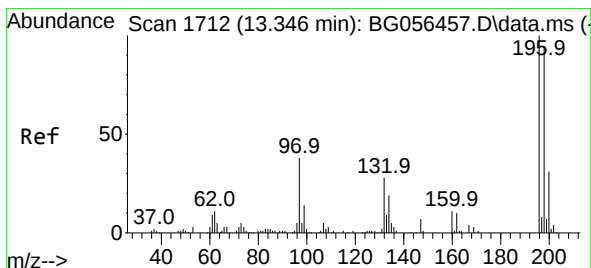
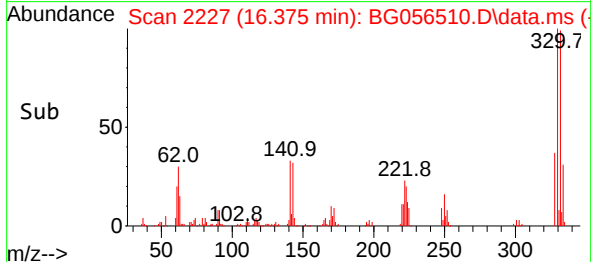
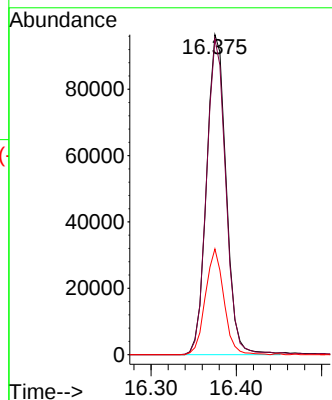
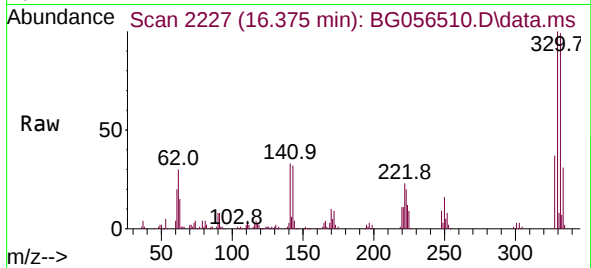
#42
2,4,6-Tribromophenol
Concen: 128.893 ng
RT: 16.375 min Scan# 211
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:330 Resp: 15352
Ion Ratio Lower Upper
330 100
332 98.0 79.0 118.6
141 31.1 24.2 36.4

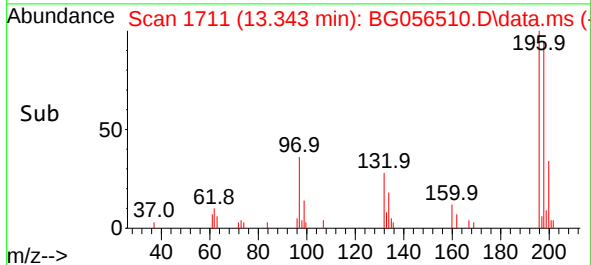
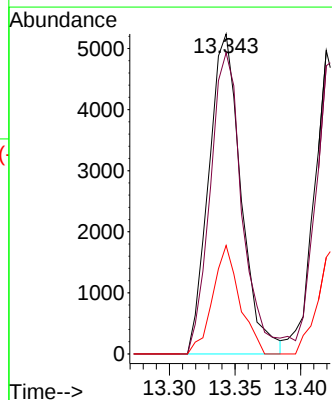
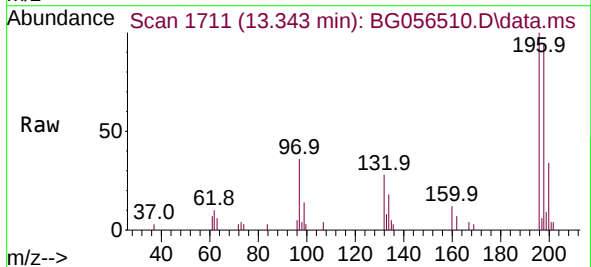
Manual Integrations
APPROVED

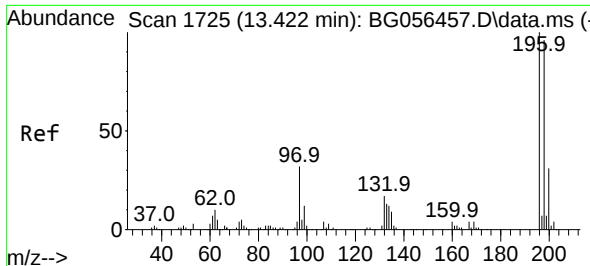
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#43
2,4,6-Trichlorophenol
Concen: 4.258 ng
RT: 13.343 min Scan# 1711
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

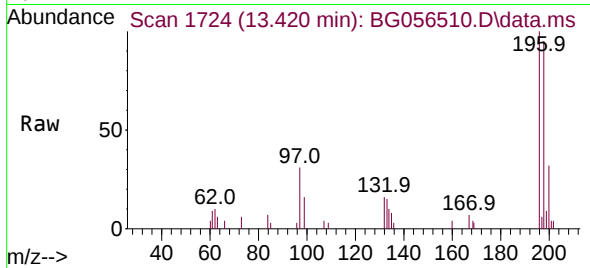
Tgt Ion:196 Resp: 8981
Ion Ratio Lower Upper
196 100
198 94.1 75.4 113.0
200 33.9 25.0 37.6





#44
2,4,5-Trichlorophenol
Concen: 4.150 ng
RT: 13.420 min Scan# 1725
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

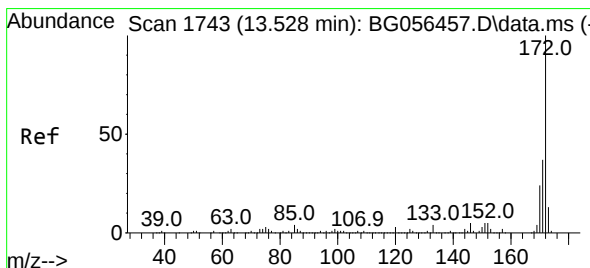
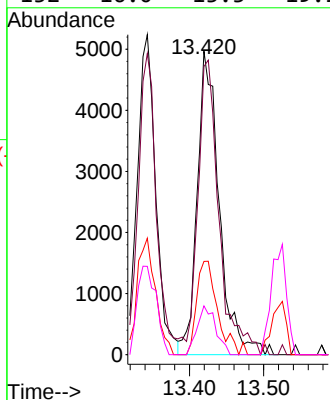
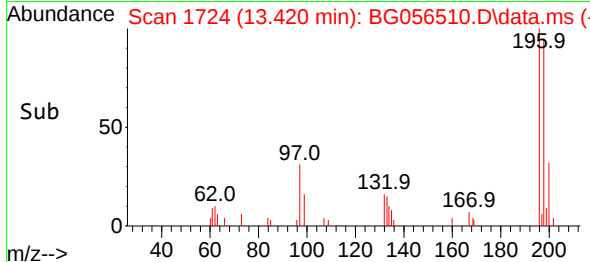
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



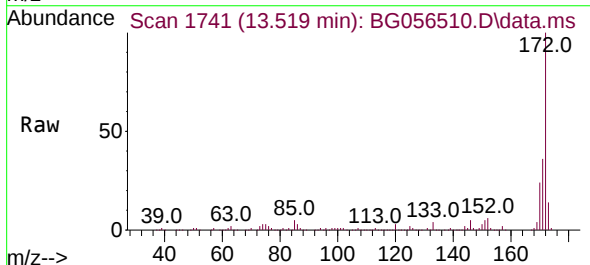
Tgt Ion:196 Resp: 10250
Ion Ratio Lower Upper
196 100
198 94.9 76.9 115.3
97 30.7 25.8 38.6
132 16.0 13.3 19.9

Manual Integrations
APPROVED

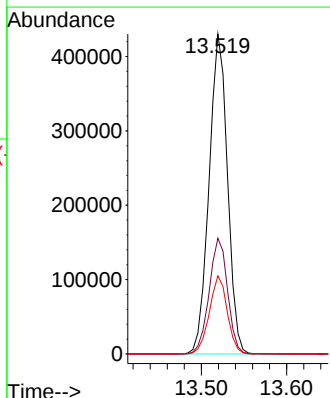
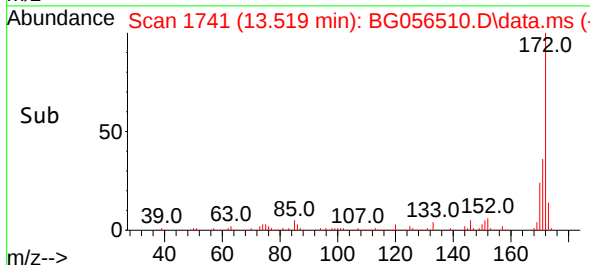
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

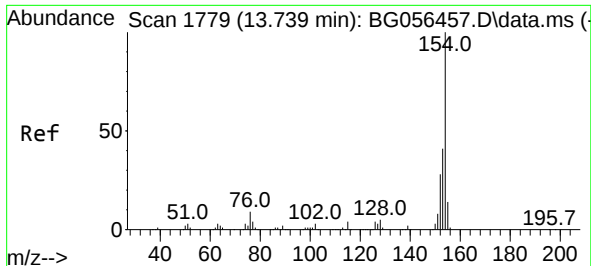


#45
2-Fluorobiphenyl
Concen: 99.658 ng
RT: 13.519 min Scan# 1741
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



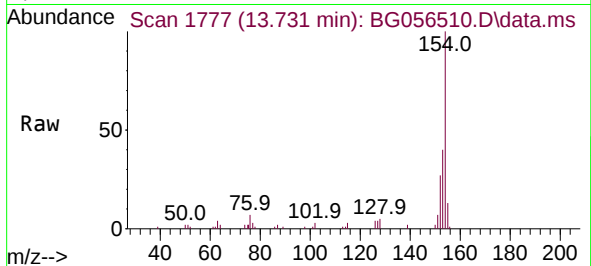
Tgt Ion:172 Resp: 644003
Ion Ratio Lower Upper
172 100
171 36.1 29.5 44.3
170 24.4 19.2 28.8





#46
1,1'-Biphenyl
Concen: 5.042 ng
RT: 13.731 min Scan# 1777
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

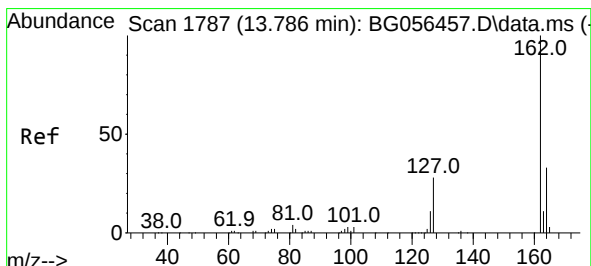
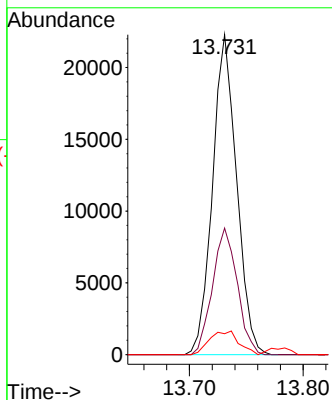
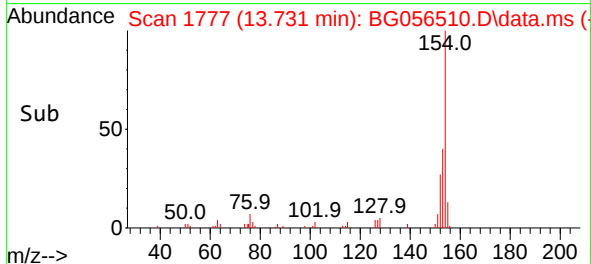
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



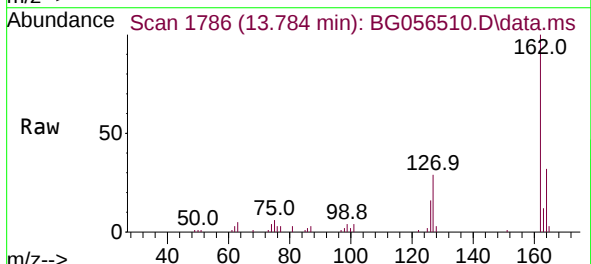
Tgt Ion:154 Resp: 32766
Ion Ratio Lower Upper
154 100
153 39.5 21.5 61.5
76 6.5 0.0 28.8

Manual Integrations
APPROVED

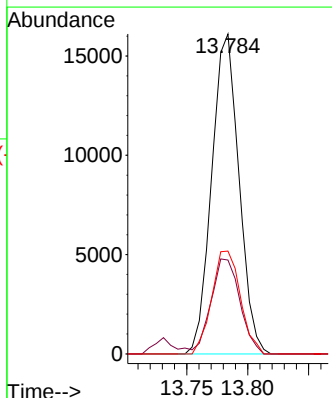
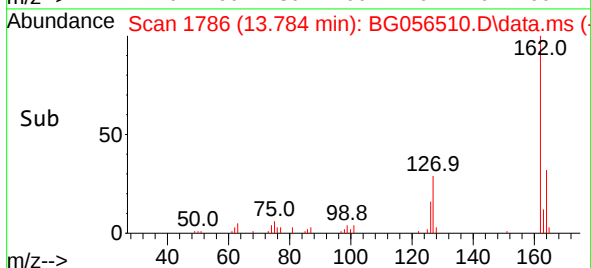
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

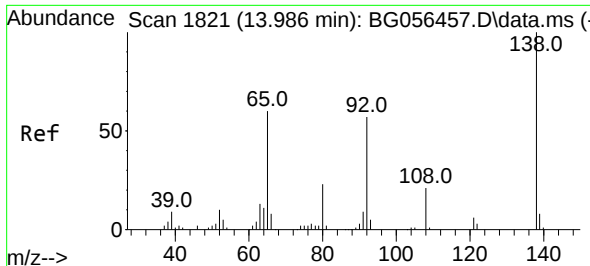


#47
2-Chloronaphthalene
Concen: 4.935 ng
RT: 13.784 min Scan# 1786
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



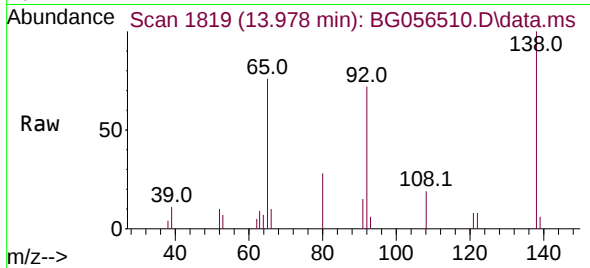
Tgt Ion:162 Resp: 25067
Ion Ratio Lower Upper
162 100
127 29.3 25.2 37.8
164 32.1 26.2 39.2





#48
2-Nitroaniline
Concen: 4.246 ng
RT: 13.978 min Scan# 1819
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

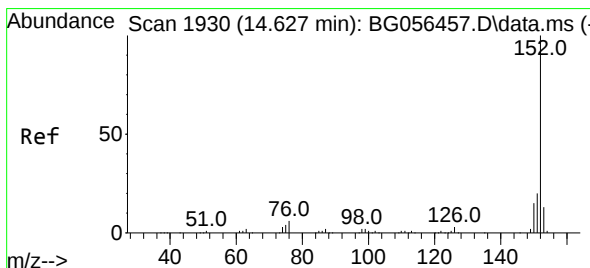
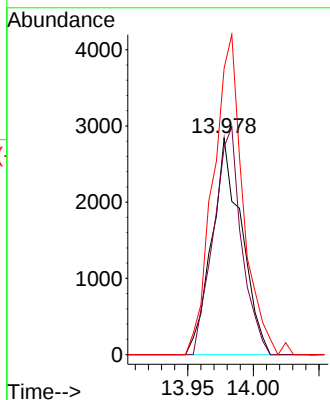
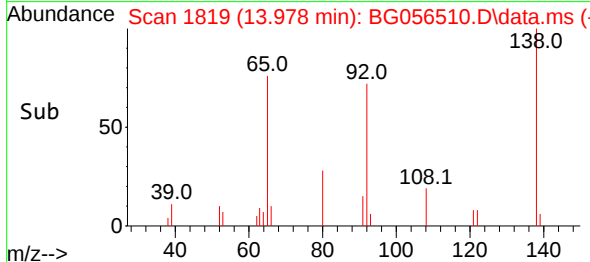
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



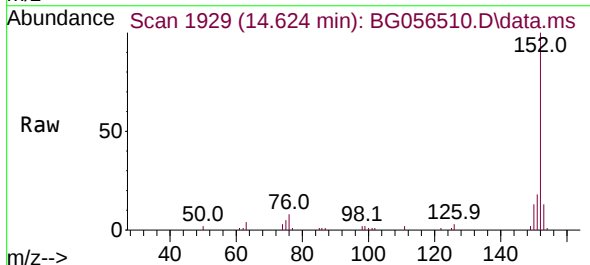
Tgt Ion: 65 Resp: 4458
Ion Ratio Lower Upper
65 100
92 95.8 75.8 113.6
138 132.2 133.2 199.8

Manual Integrations
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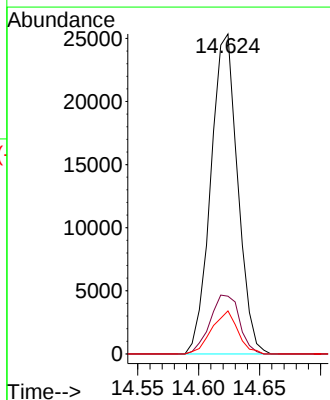
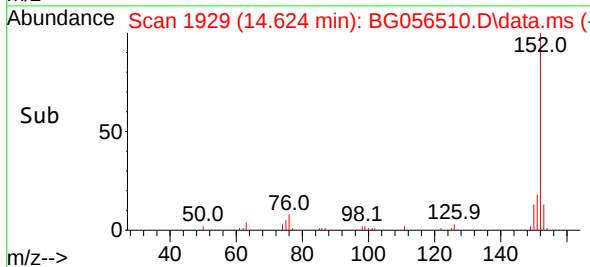
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

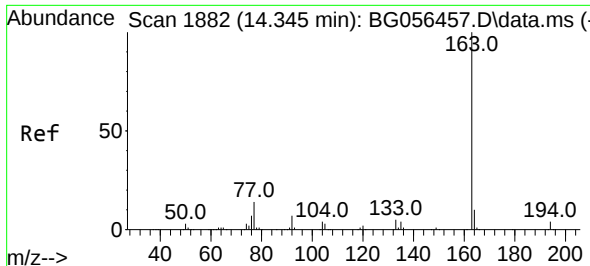


#49
Acenaphthylene
Concen: 4.696 ng
RT: 14.624 min Scan# 1929
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



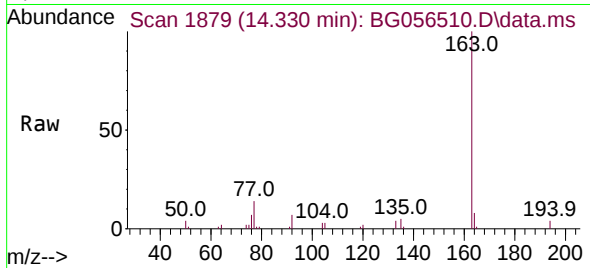
Tgt Ion:152 Resp: 38809
Ion Ratio Lower Upper
152 100
151 18.0 15.9 23.9
153 13.4 10.5 15.7





#50
Dimethylphthalate
Concen: 4.692 ng
RT: 14.330 min Scan# 1882
Delta R.T. -0.009 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

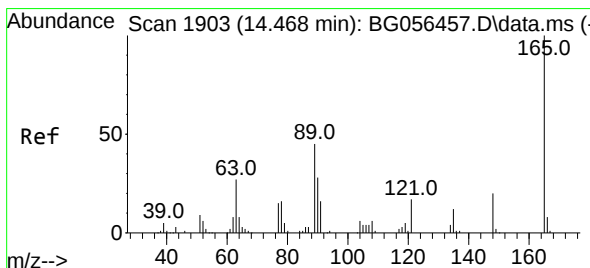
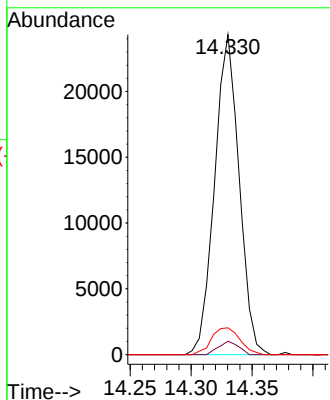
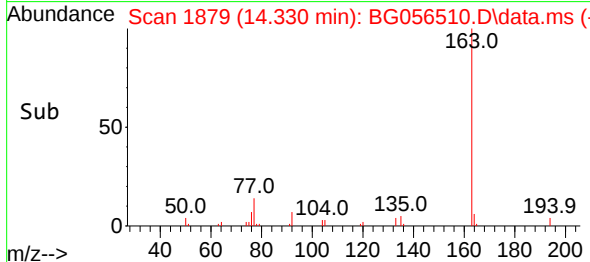
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:163 Resp: 3400
Ion Ratio Lower Upper
163 100
194 4.2 3.5 5.3
164 8.4 8.1 12.1

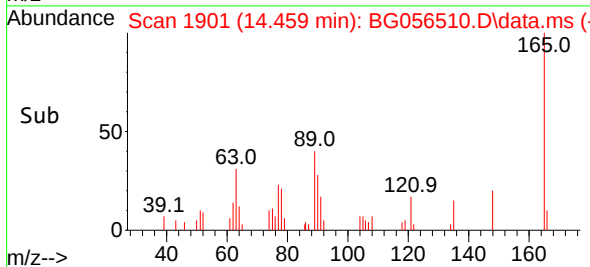
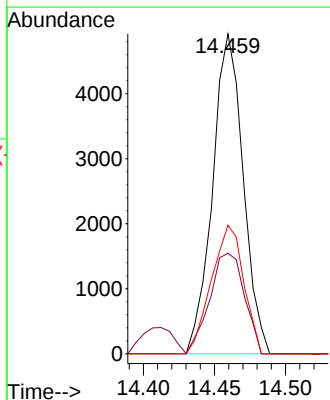
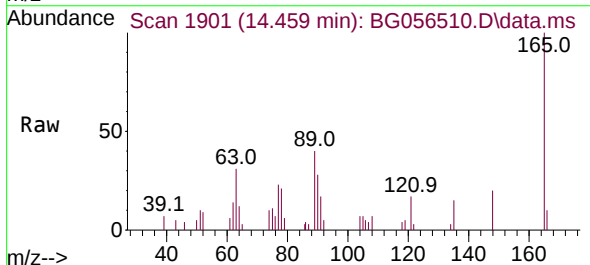
Manual Integrations
APPROVED

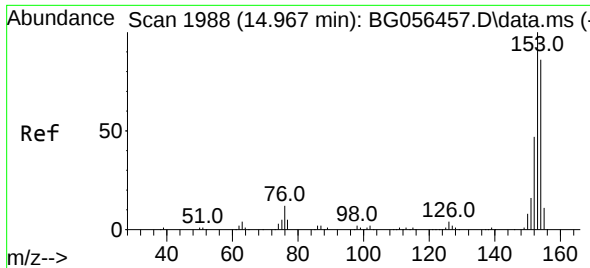
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#51
2,6-Dinitrotoluene
Concen: 4.658 ng
RT: 14.459 min Scan# 1901
Delta R.T. -0.009 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

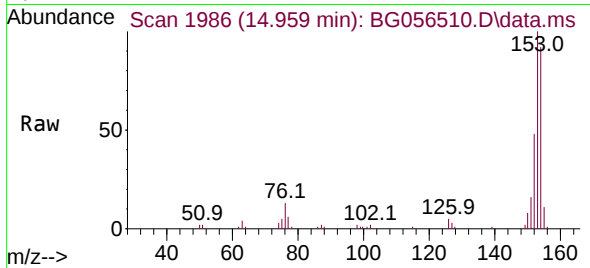
Tgt Ion:165 Resp: 7363
Ion Ratio Lower Upper
165 100
63 31.4 26.9 40.3
89 40.2 35.6 53.4





#52
Acenaphthene
Concen: 4.726 ng
RT: 14.959 min Scan# 1986
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

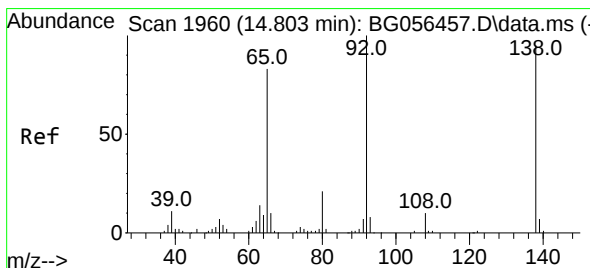
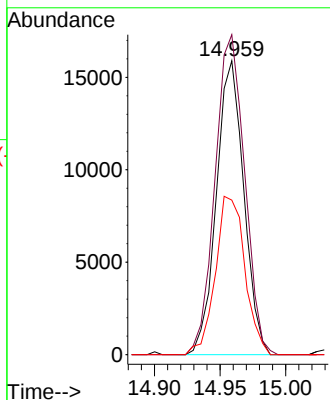
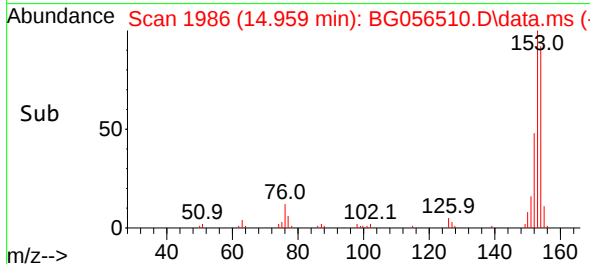
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT4-2022



Tgt Ion:154 Resp: 2316
Ion Ratio Lower Upper
154 100
153 108.9 93.4 140.0
152 52.6 43.4 65.2

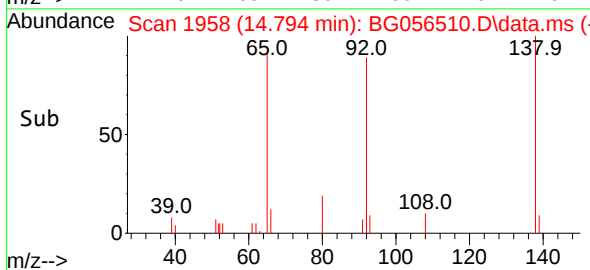
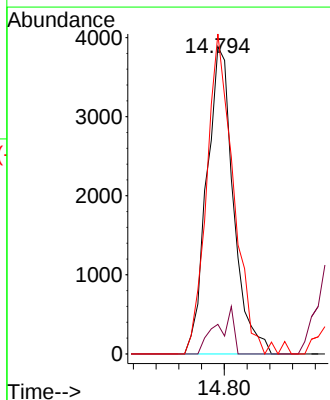
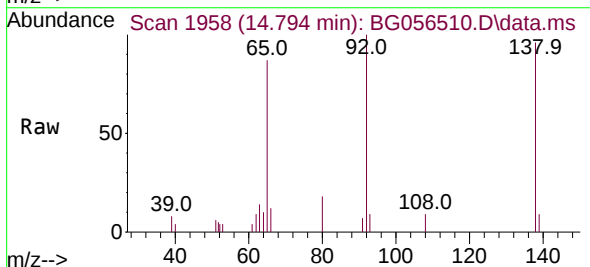
Manual Integrations
APPROVED

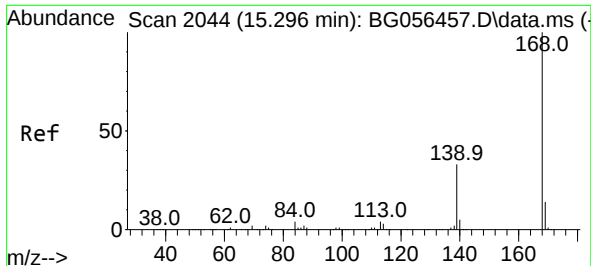
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#53
3-Nitroaniline
Concen: 4.131 ng
RT: 14.794 min Scan# 1958
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

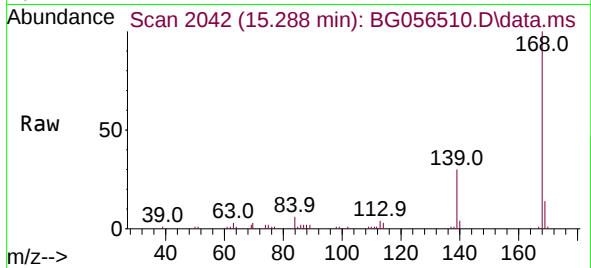
Tgt Ion:138 Resp: 6330
Ion Ratio Lower Upper
138 100
108 9.6 8.0 12.0
92 104.1 84.1 126.1





#55
Dibenzofuran
Concen: 4.865 ng
RT: 15.288 min Scan# 2042
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

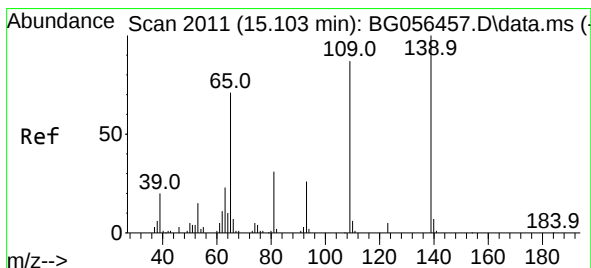
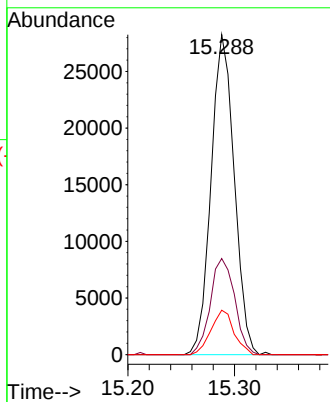
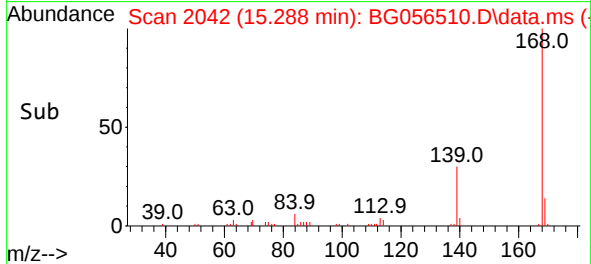
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT4-2022



Tgt Ion:168 Resp: 42756
Ion Ratio Lower Upper
168 100
139 30.0 26.2 39.2
169 13.9 11.0 16.6

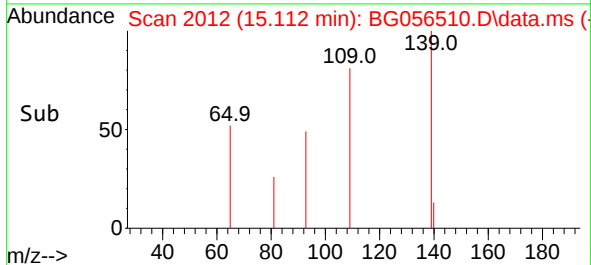
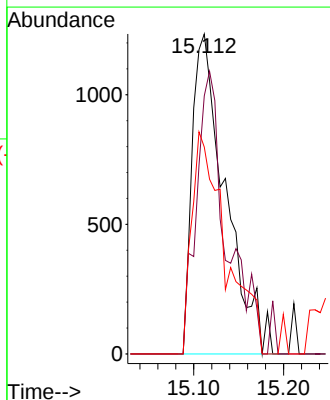
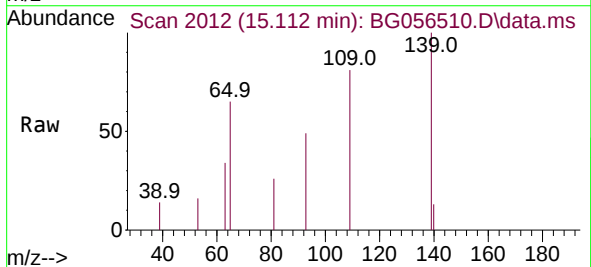
Manual Integrations
APPROVED

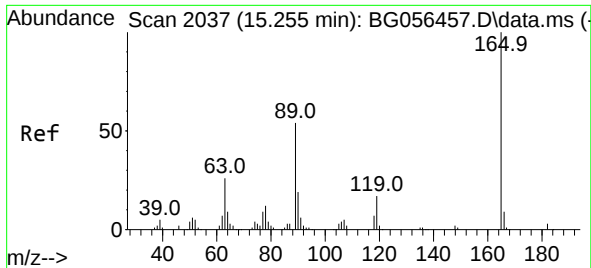
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#56
4-Nitrophenol
Concen: 3.025 ng
RT: 15.112 min Scan# 2012
Delta R.T. 0.015 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

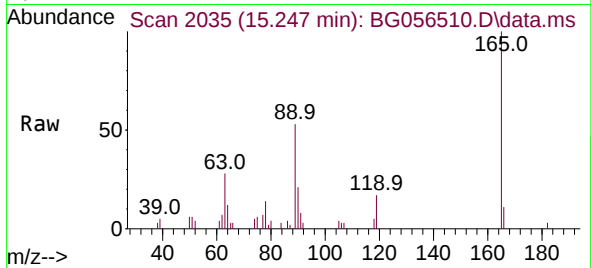
Tgt Ion:139 Resp: 3167
Ion Ratio Lower Upper
139 100
109 80.6 67.5 107.5
65 64.6 50.7 90.7





#57
2,4-Dinitrotoluene
Concen: 4.527 ng
RT: 15.247 min Scan# 2035
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

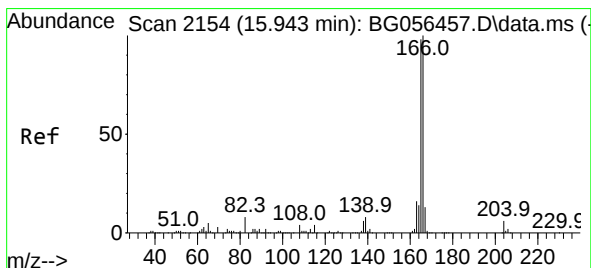
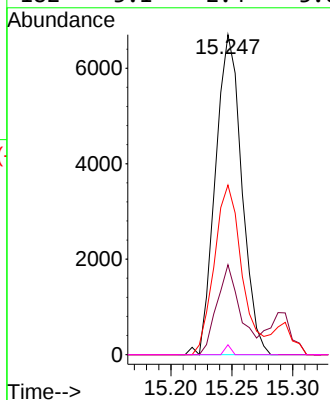
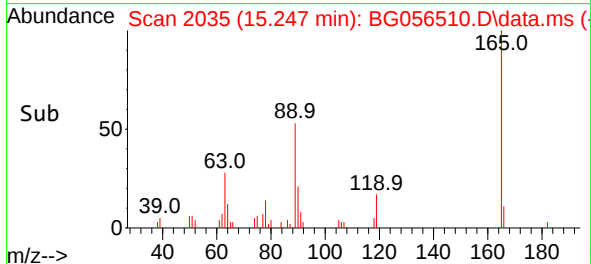
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



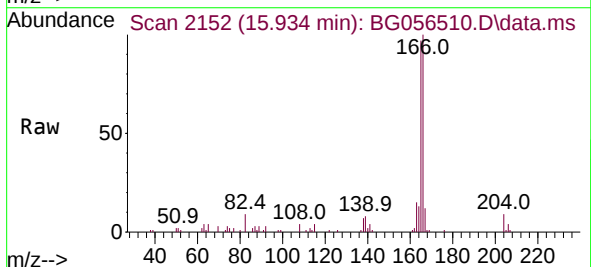
Tgt Ion:165 Resp: 10080
Ion Ratio Lower Upper
165 100
63 28.1 20.6 31.0
89 53.0 43.1 64.7
182 3.1 2.4 3.6

Manual Integrations
APPROVED

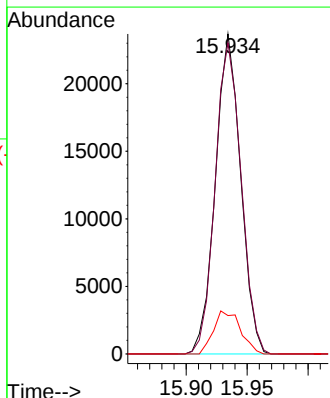
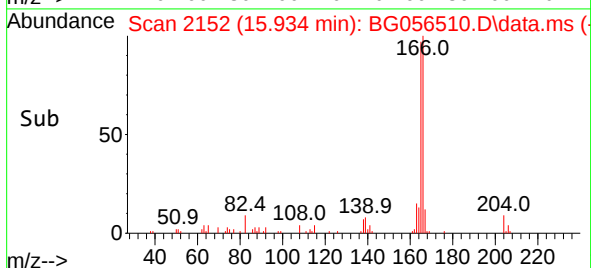
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

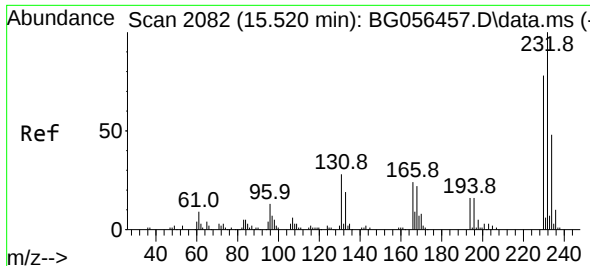


#58
Fluorene
Concen: 4.885 ng
RT: 15.934 min Scan# 2152
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



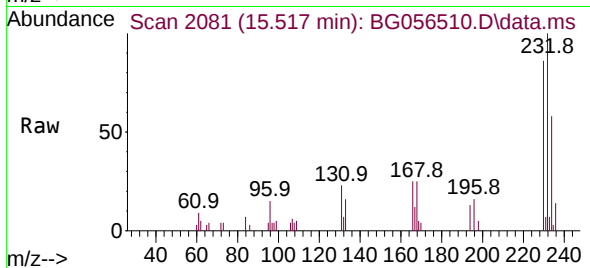
Tgt Ion:166 Resp: 34163
Ion Ratio Lower Upper
166 100
165 97.2 78.8 118.2
167 12.0 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.919 ng
RT: 15.517 min Scan# 2081
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

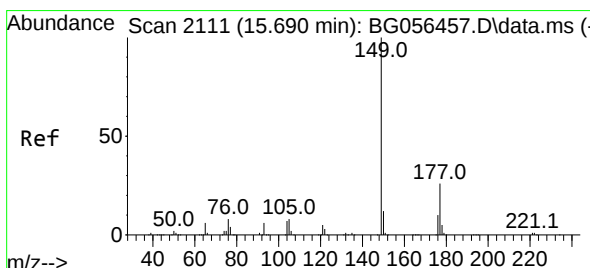
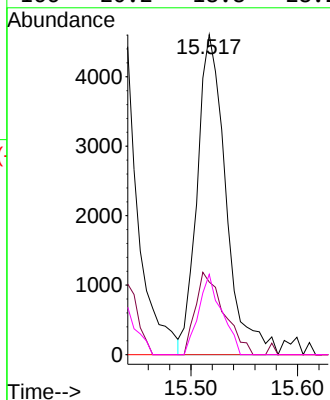
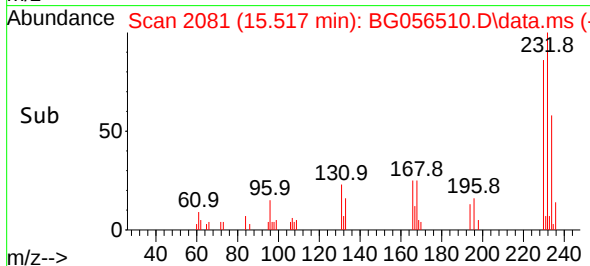
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



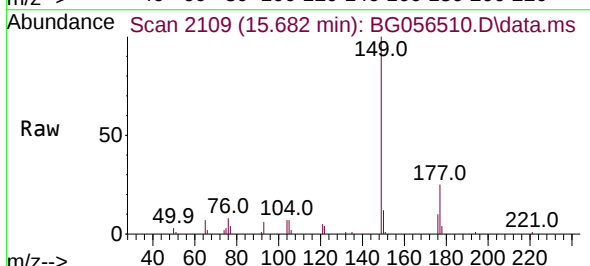
Tgt Ion:232 Resp: 8605
Ion Ratio Lower Upper
232 100
131 25.5 22.8 34.2
130 0.0 1.4 2.0
166 20.2 18.8 28.2

Manual Integrations
APPROVED

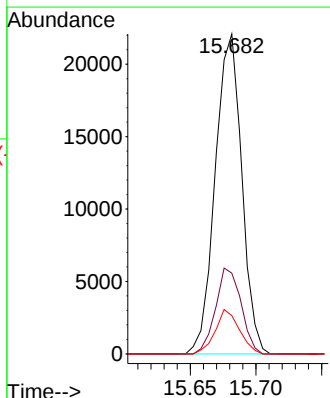
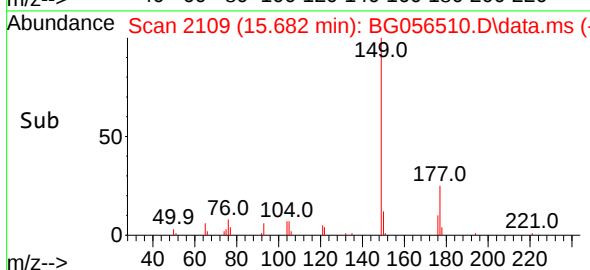
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

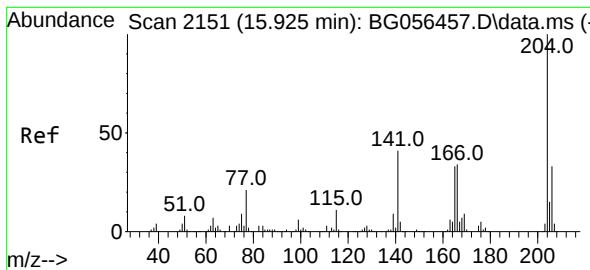


#60
Diethylphthalate
Concen: 4.560 ng
RT: 15.682 min Scan# 2109
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



Tgt Ion:149 Resp: 31037
Ion Ratio Lower Upper
149 100
177 25.2 21.0 31.4
150 12.0 9.9 14.9





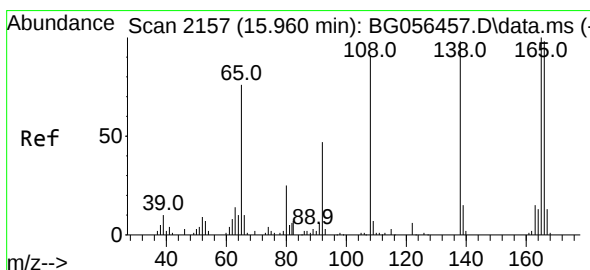
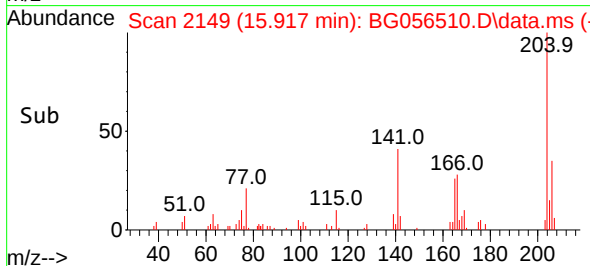
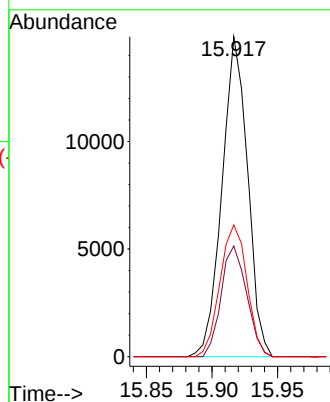
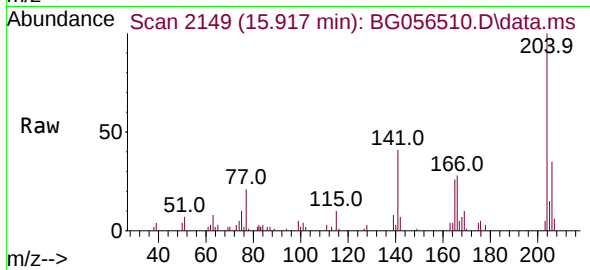
#61
4-Chlorophenyl-phenylether
Concen: 4.720 ng
RT: 15.917 min Scan# 2149
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:204 Resp: 20143
Ion Ratio Lower Upper
204 100
206 34.6 26.2 39.4
141 41.2 32.7 49.1

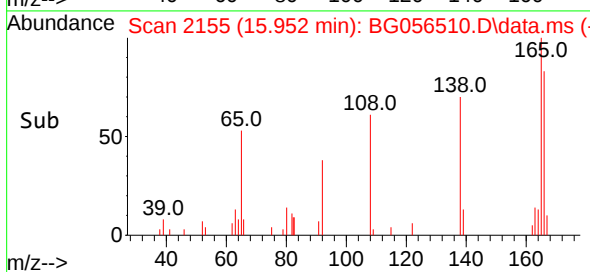
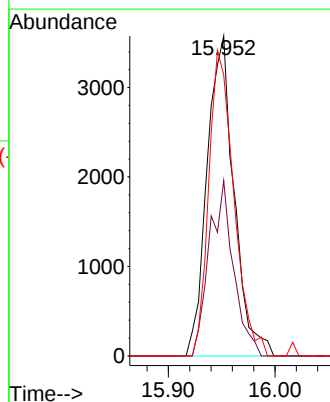
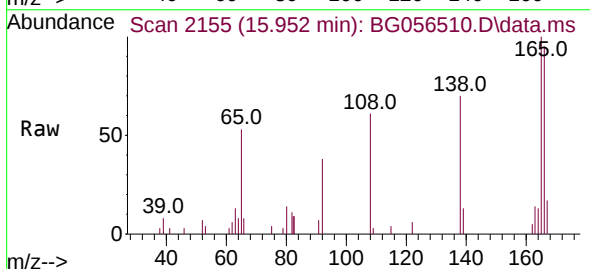
Manual Integrations
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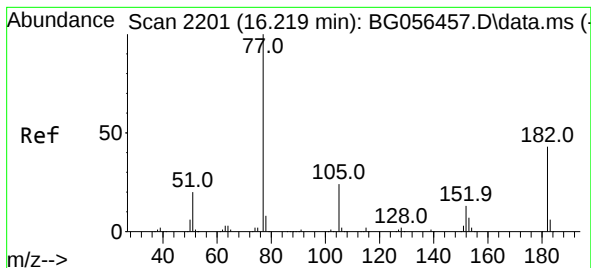
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#62
4-Nitroaniline
Concen: 4.109 ng
RT: 15.952 min Scan# 2155
Delta R.T. -0.009 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:138 Resp: 6301
Ion Ratio Lower Upper
138 100
92 54.8 27.8 67.8
108 87.8 72.6 112.6





#63

Azobenzene

Concen: 4.860 ng

RT: 16.210 min Scan# 2199

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion: 77 Resp: 22760

Ion Ratio Lower Upper

77 100

182 43.8 23.1 63.1

105 24.6 4.2 44.2

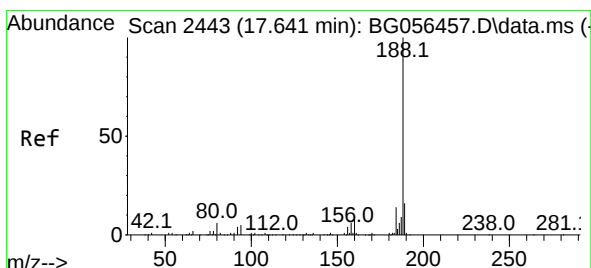
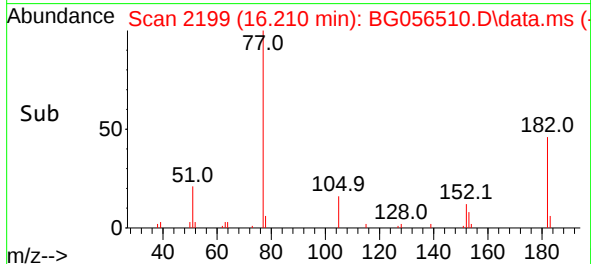
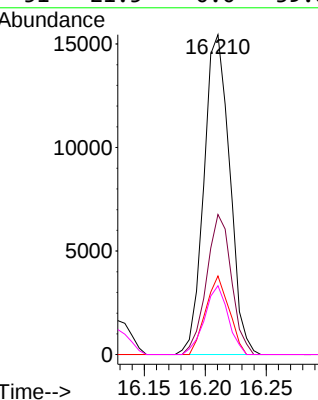
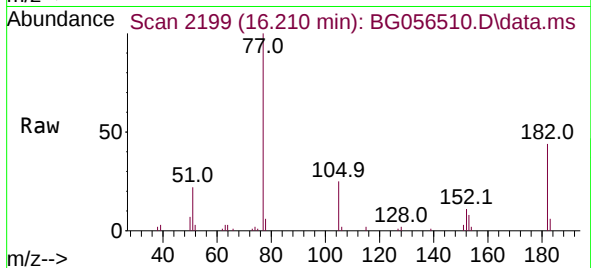
51 21.5 0.0 39.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/03/2023

Supervised By :Jagrut Upadhyay 02/03/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.632 min Scan# 2441

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

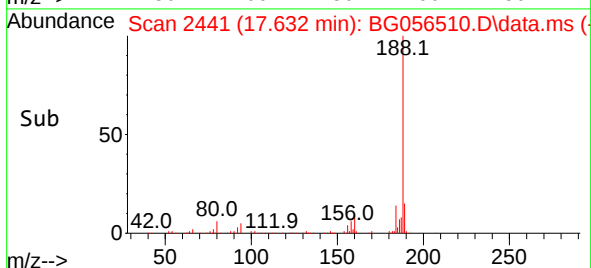
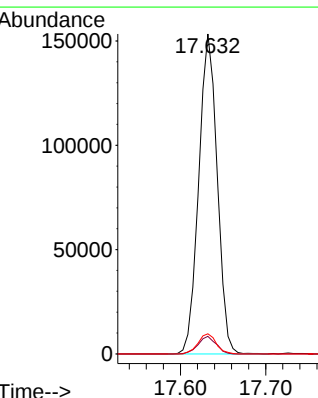
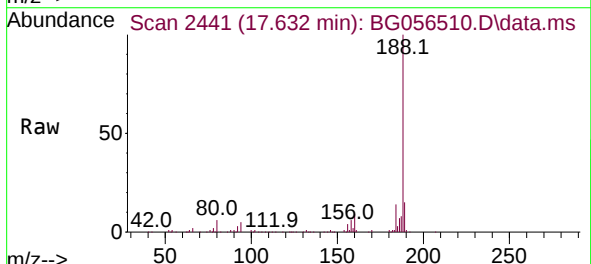
Tgt Ion:188 Resp: 230363

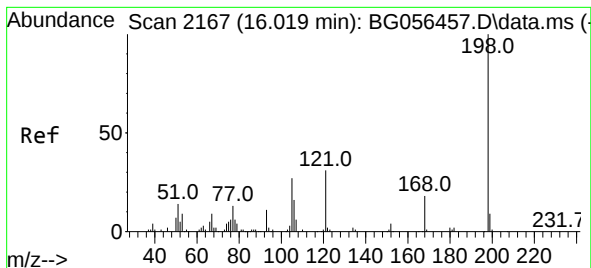
Ion Ratio Lower Upper

188 100

94 5.5 4.1 6.1

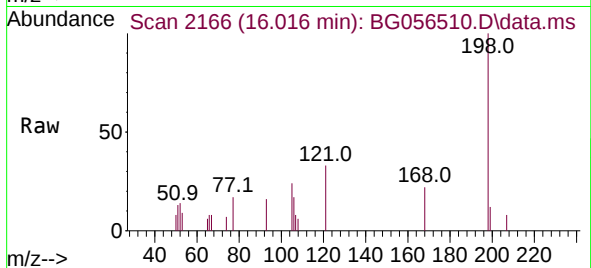
80 6.3 5.0 7.4





#65
4,6-Dinitro-2-methylphenol
Concen: 2.846 ng
RT: 16.016 min Scan# 2166
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

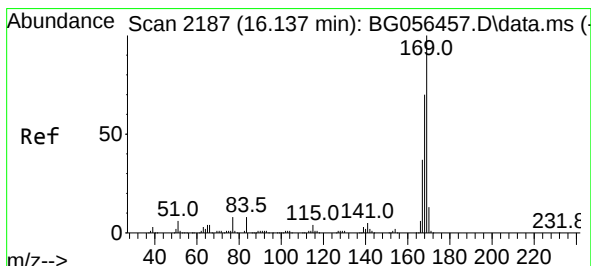
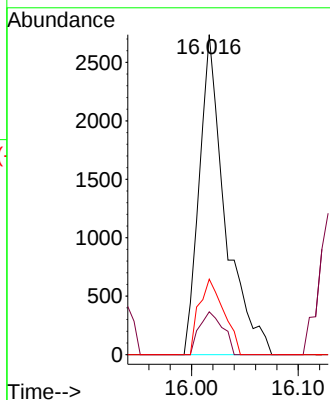
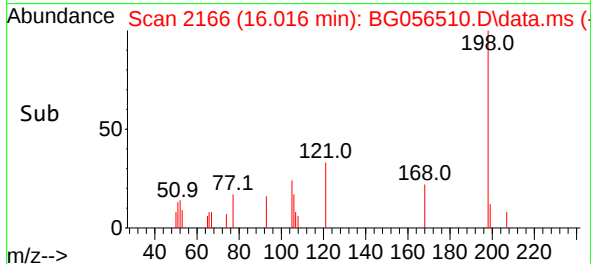
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



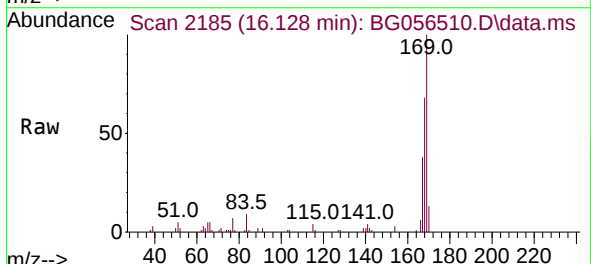
Tgt Ion:198 Resp: 4609
Ion Ratio Lower Upper
198 100
51 13.4 0.0 35.0
105 23.6 7.4 47.4

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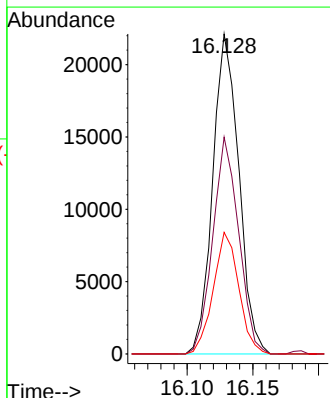
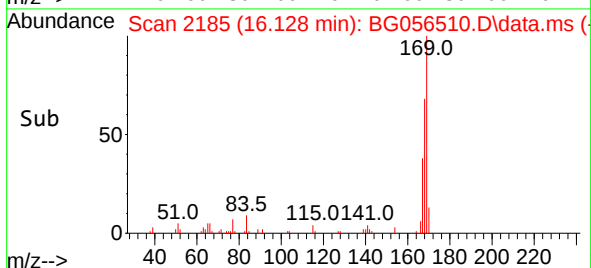
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

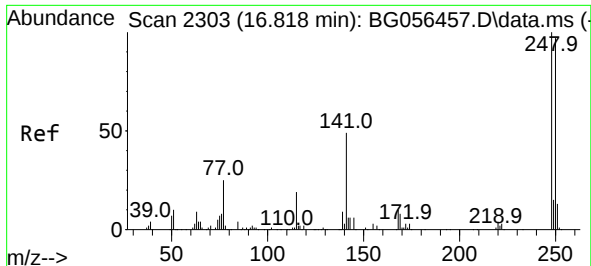


#66
n-Nitrosodiphenylamine
Concen: 4.688 ng
RT: 16.128 min Scan# 2185
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



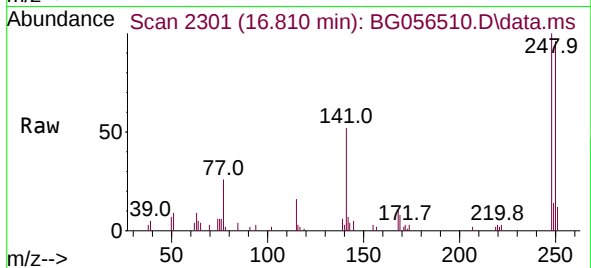
Tgt Ion:169 Resp: 30578
Ion Ratio Lower Upper
169 100
168 67.7 55.8 83.6
167 38.0 29.8 44.8





#67
4-Bromophenyl-phenylether
Concen: 4.847 ng
RT: 16.810 min Scan# 2303
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

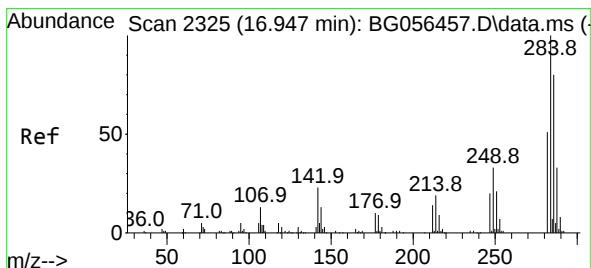
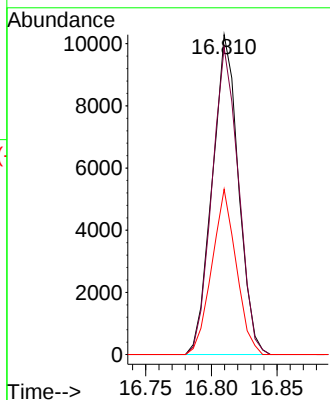
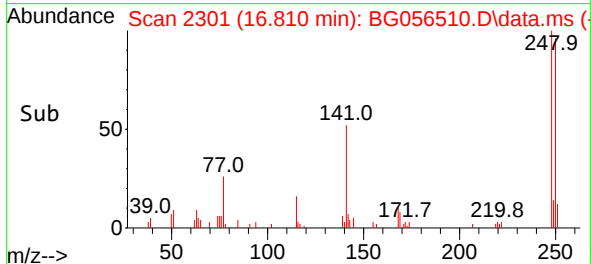
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



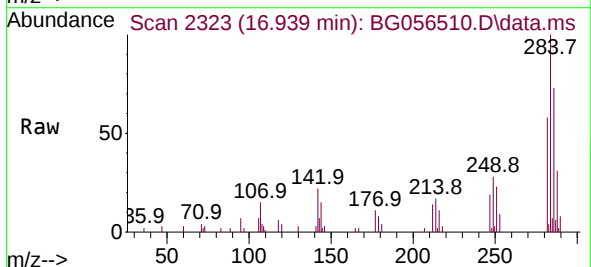
Tgt Ion:248 Resp: 14293
Ion Ratio Lower Upper
248 100
250 95.9 77.6 116.4
141 51.7 39.0 58.4

Manual Integrations
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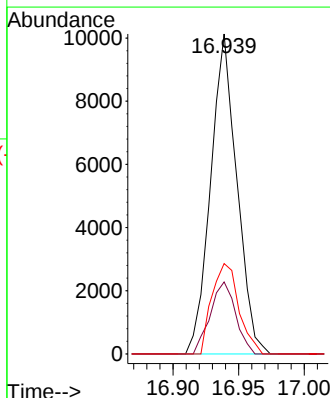
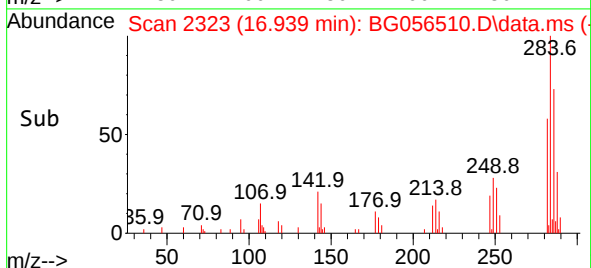
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

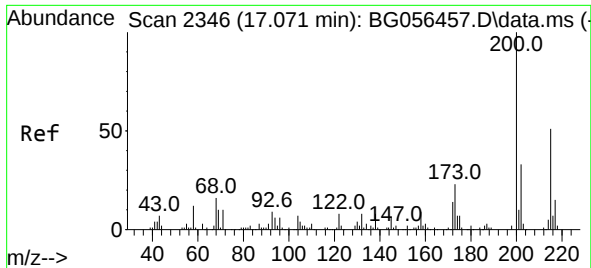


#68
Hexachlorobenzene
Concen: 4.879 ng
RT: 16.939 min Scan# 2323
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



Tgt Ion:284 Resp: 14093
Ion Ratio Lower Upper
284 100
142 22.5 18.0 27.0
249 30.9 26.7 40.1





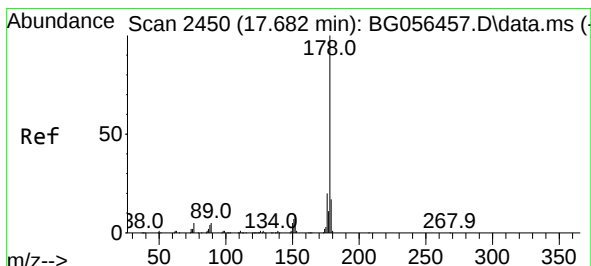
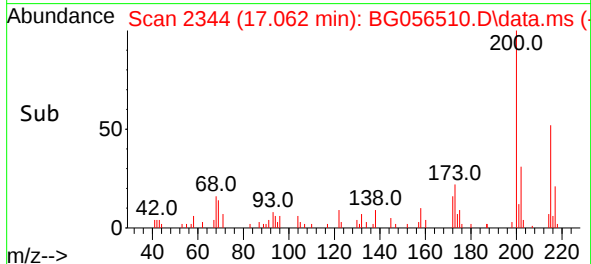
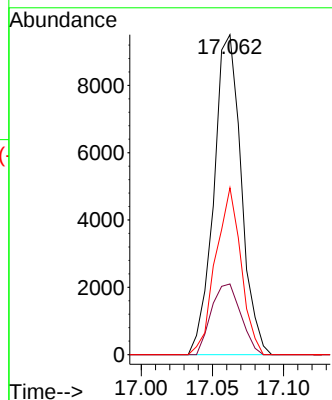
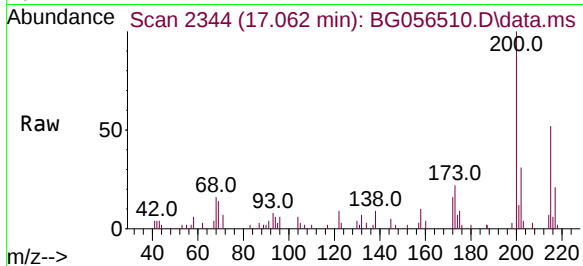
#69
 Atrazine
 Concen: 5.070 ng
 RT: 17.062 min Scan# 2344
 Delta R.T. -0.009 min
 Lab File: BG056510.D
 Acq: 2 Feb 2023 11:56

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

Tgt Ion:200 Resp: 12758
 Ion Ratio Lower Upper
 200 100
 173 22.1 3.2 43.2
 215 52.1 30.7 70.7

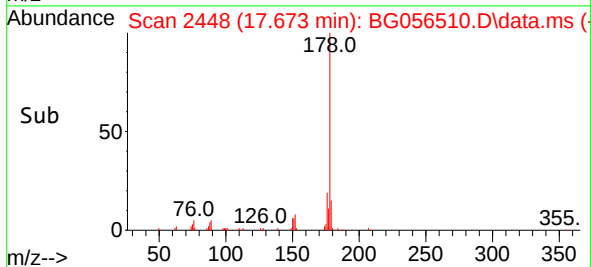
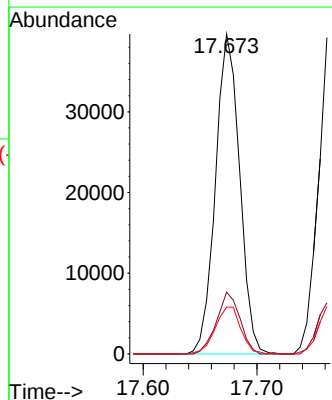
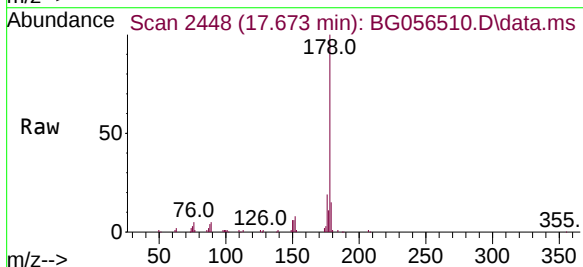
Manual Integrations
 APPROVED

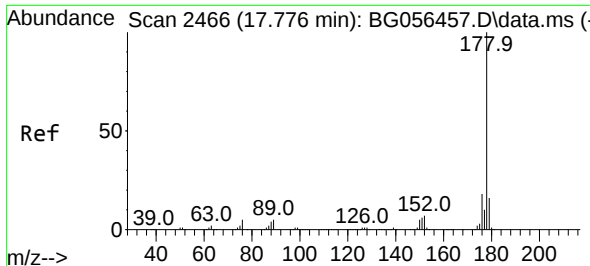
Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023



#71
 Phenanthrene
 Concen: 4.847 ng
 RT: 17.673 min Scan# 2448
 Delta R.T. -0.003 min
 Lab File: BG056510.D
 Acq: 2 Feb 2023 11:56

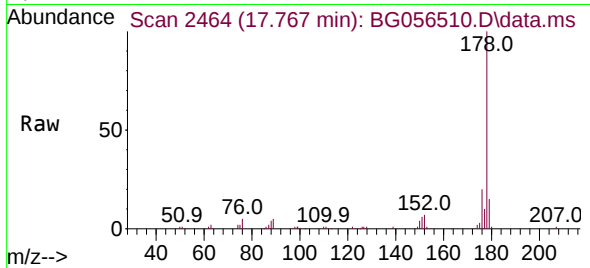
Tgt Ion:178 Resp: 58442
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.6 23.4
 179 14.6 13.3 19.9





#72
 Anthracene
 Concen: 4.871 ng
 RT: 17.767 min Scan# 2464
 Delta R.T. -0.003 min
 Lab File: BG056510.D
 Acq: 2 Feb 2023 11:56

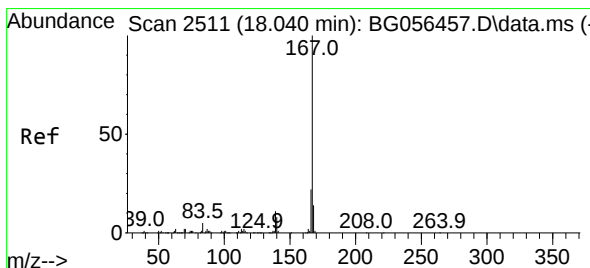
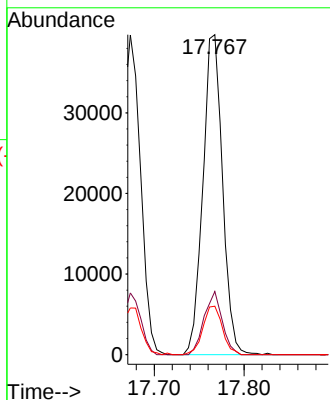
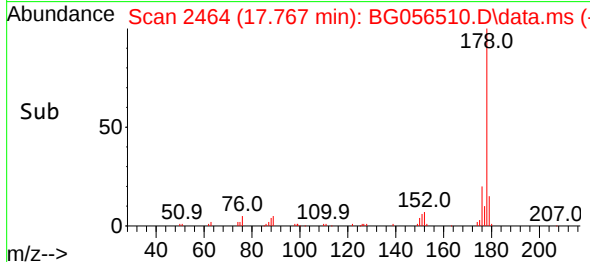
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2022



Tgt Ion:178 Resp: 60292
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.5 21.7
 179 15.1 12.5 18.7

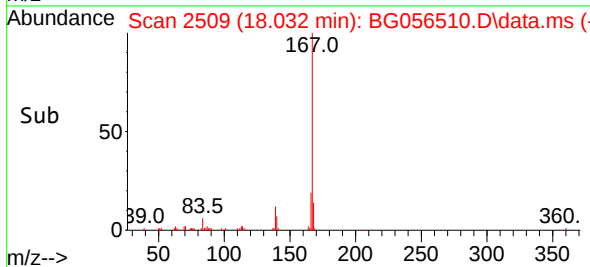
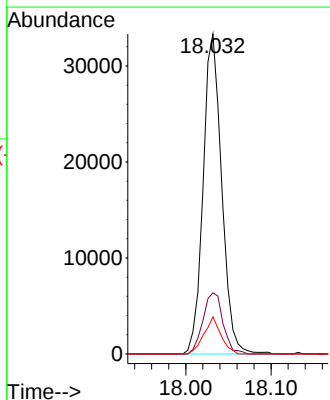
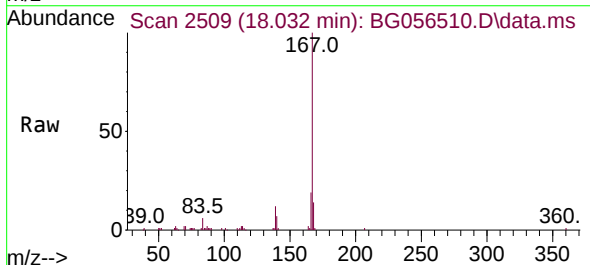
Manual Integrations
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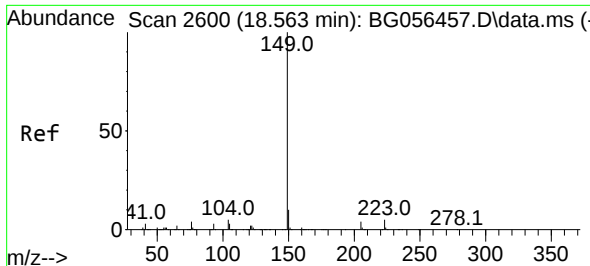
Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023



#73
 Carbazole
 Concen: 4.776 ng
 RT: 18.032 min Scan# 2509
 Delta R.T. -0.003 min
 Lab File: BG056510.D
 Acq: 2 Feb 2023 11:56

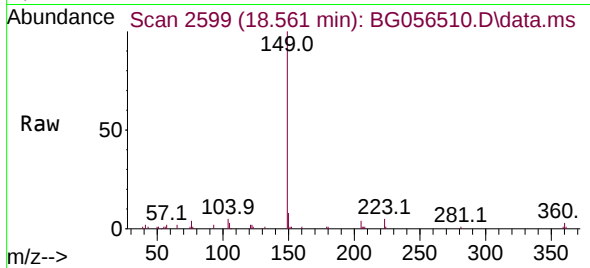
Tgt Ion:167 Resp: 50349
 Ion Ratio Lower Upper
 167 100
 166 19.1 17.8 26.6
 139 11.6 8.9 13.3





#74
Di-n-butylphthalate
Concen: 4.593 ng
RT: 18.561 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

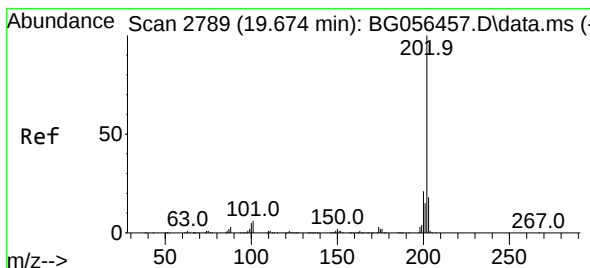
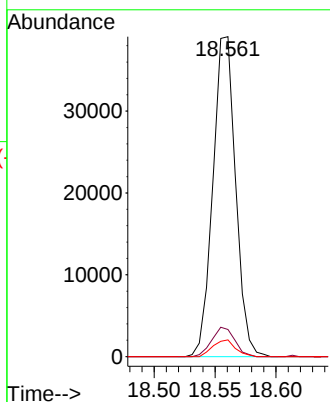
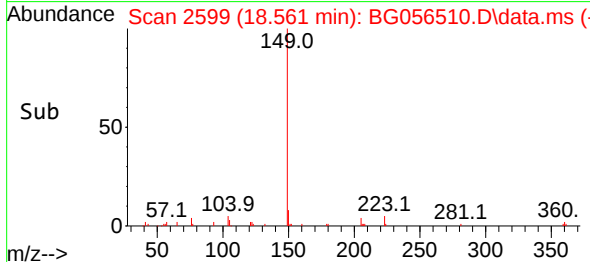
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



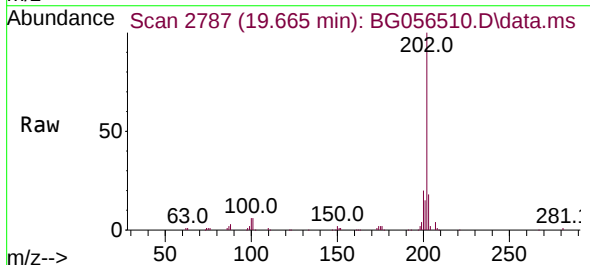
Tgt Ion:149 Resp: 50836
Ion Ratio Lower Upper
149 100
150 8.5 7.8 11.6
104 5.2 4.0 6.0

Manual Integrations
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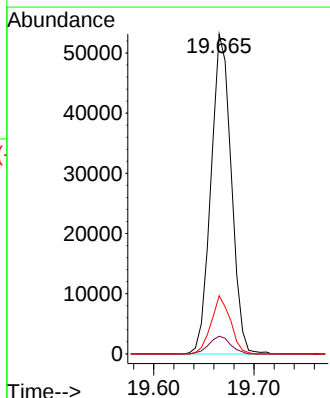
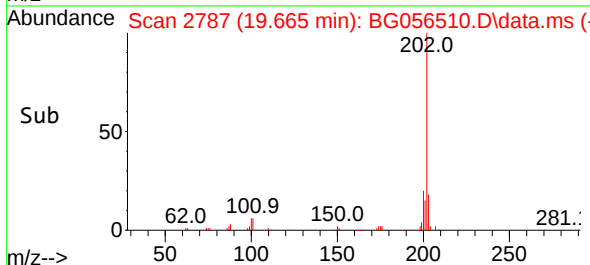
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

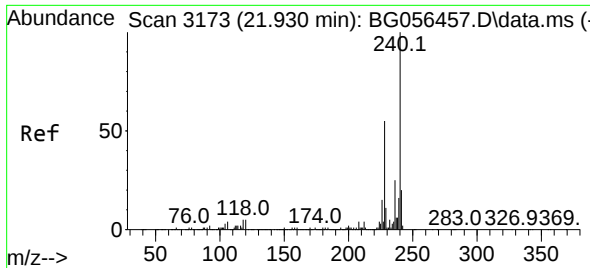


#75
Fluoranthene
Concen: 4.907 ng
RT: 19.665 min Scan# 2787
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



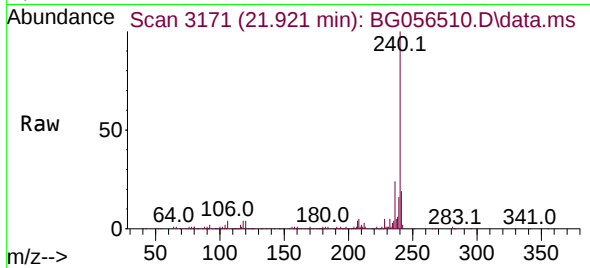
Tgt Ion:202 Resp: 74672
Ion Ratio Lower Upper
202 100
101 5.5 0.0 25.6
203 18.2 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.921 min Scan# 3171
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

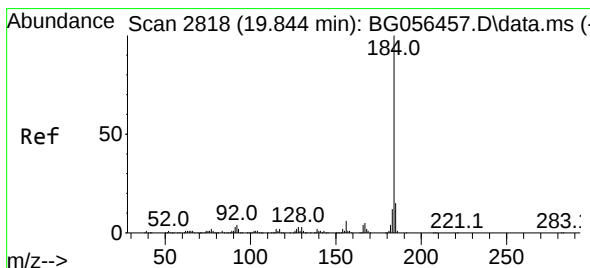
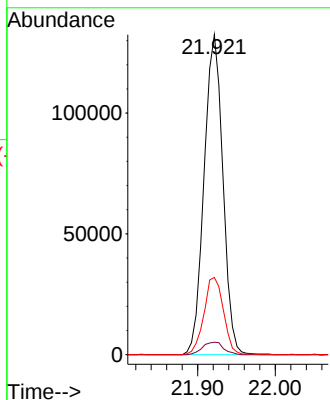
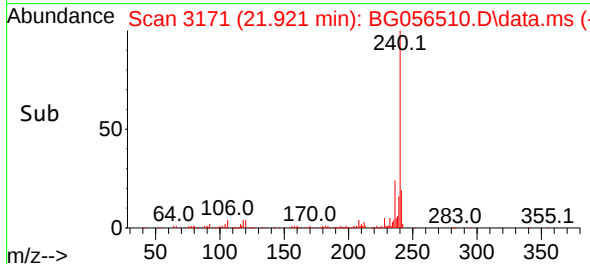
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



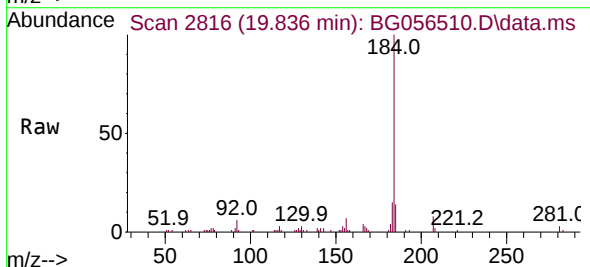
Tgt Ion:240 Resp: 223078
Ion Ratio Lower Upper
240 100
120 3.9 3.8 5.8
236 24.1 20.2 30.2

Manual Integrations
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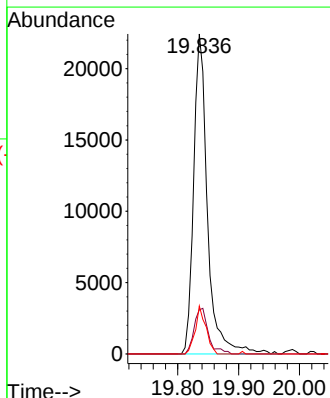
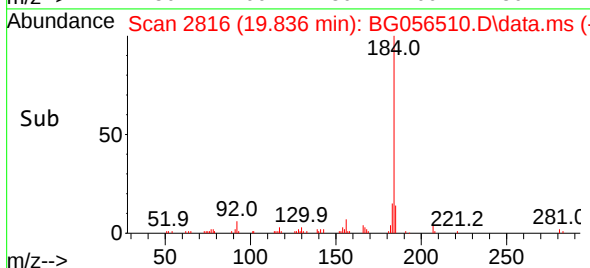
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

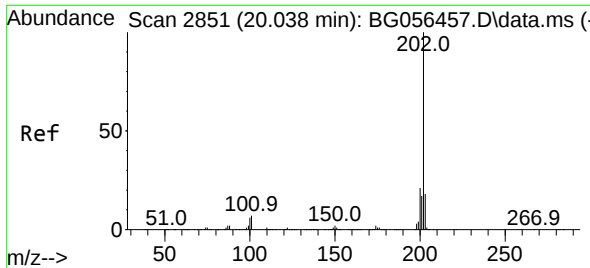


#77
Benzidine
Concen: 5.851 ng
RT: 19.836 min Scan# 2816
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



Tgt Ion:184 Resp: 35323
Ion Ratio Lower Upper
184 100
185 13.8 12.3 18.5
183 15.0 9.8 14.8





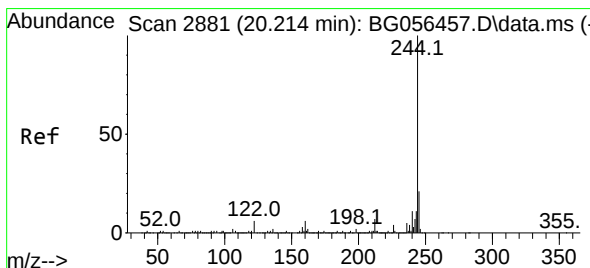
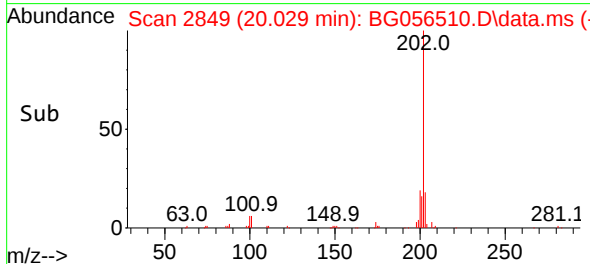
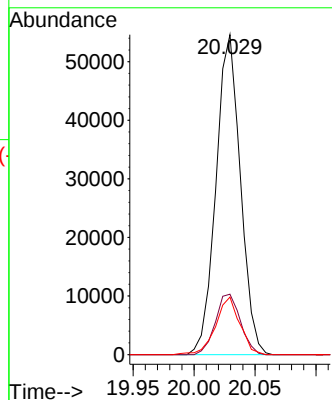
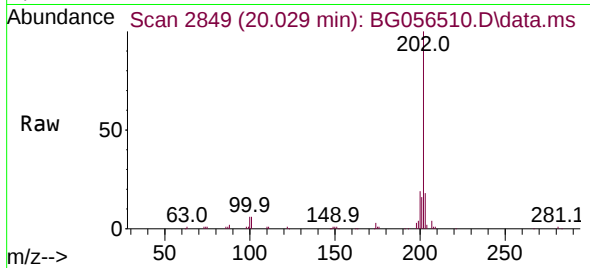
#78
Pyrene
Concen: 4.796 ng
RT: 20.029 min Scan# 2849
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:202 Resp: 76092
Ion Ratio Lower Upper
202 100
200 18.9 16.7 25.1
203 18.0 14.4 21.6

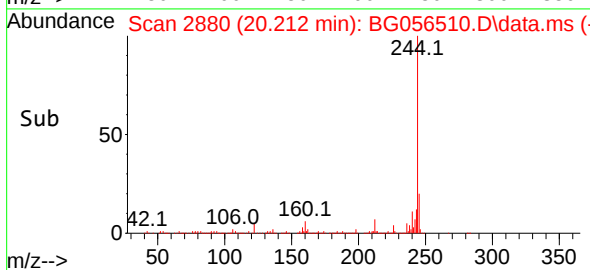
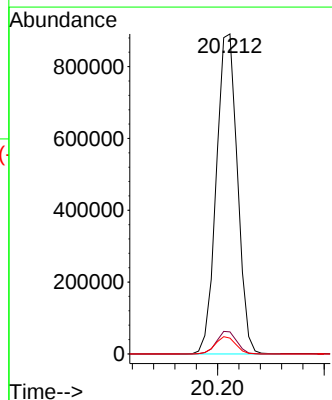
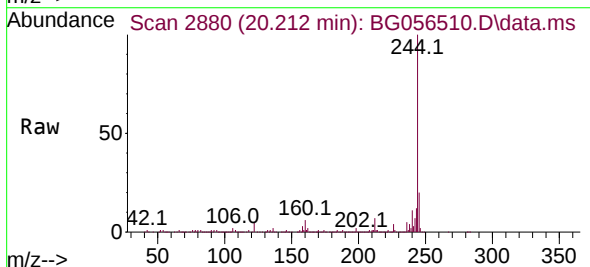
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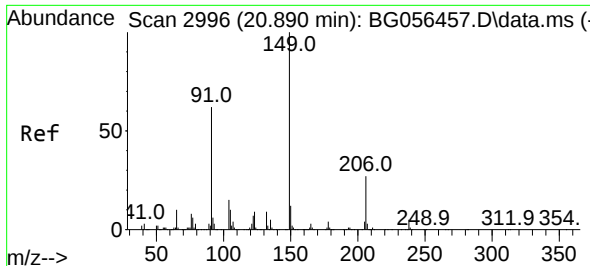
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#79
Terphenyl-d14
Concen: 96.450 ng
RT: 20.212 min Scan# 2880
Delta R.T. 0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

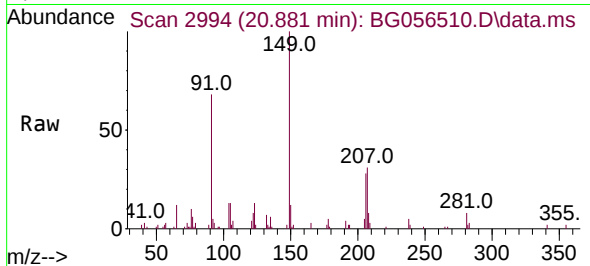
Tgt Ion:244 Resp: 1225018
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 4.9 4.4 6.6





#80
Butylbenzylphthalate
Concen: 4.268 ng
RT: 20.881 min Scan# 2994
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

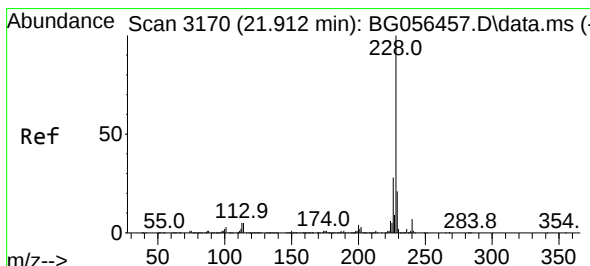
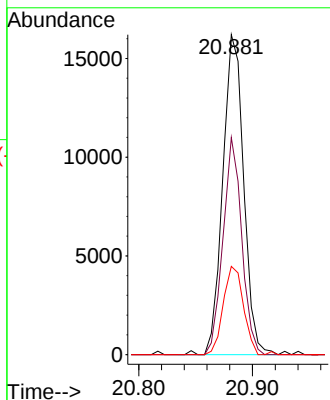
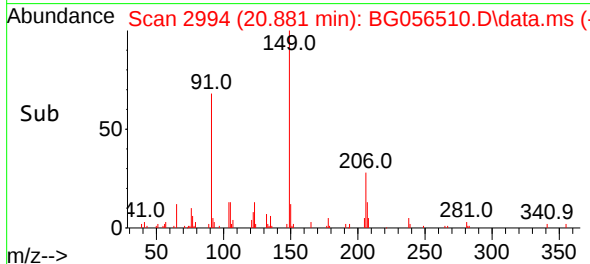
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



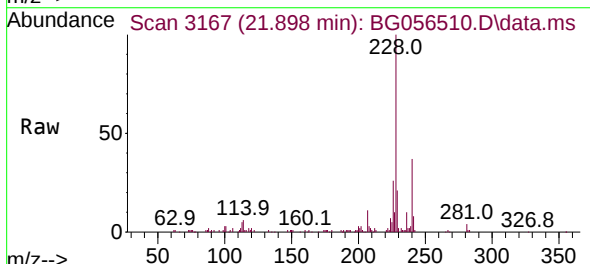
Tgt Ion:149 Resp: 20682
Ion Ratio Lower Upper
149 100
91 67.8 49.4 74.0
206 27.6 22.0 33.0

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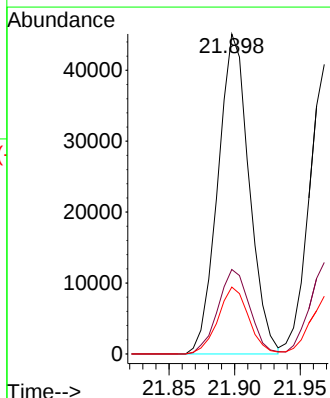
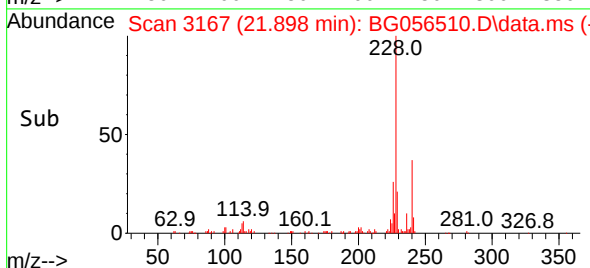
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

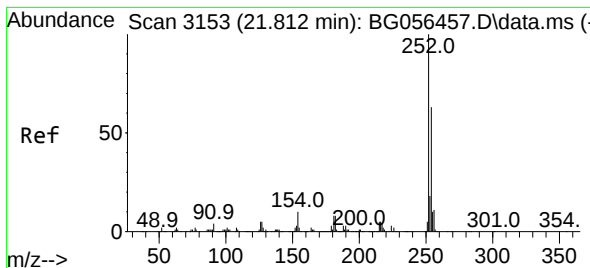


#81
Benzo(a)anthracene
Concen: 4.801 ng
RT: 21.898 min Scan# 3167
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56



Tgt Ion:228 Resp: 74877
Ion Ratio Lower Upper
228 100
226 26.4 22.4 33.6
229 20.9 16.5 24.7





#82

3,3'-Dichlorobenzidine

Concen: 5.140 ng

RT: 21.804 min Scan# 3151

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

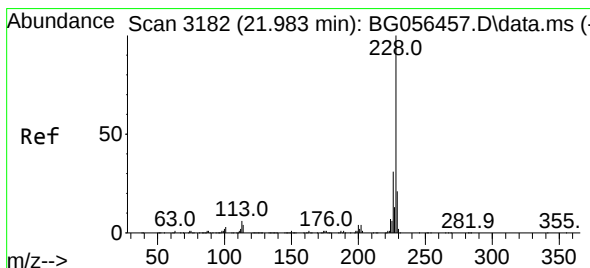
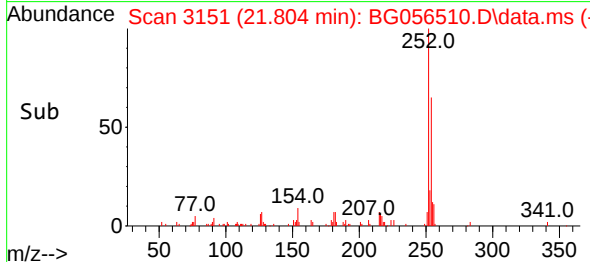
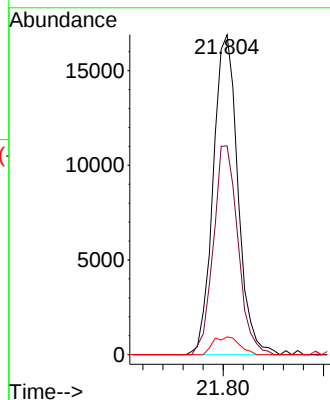
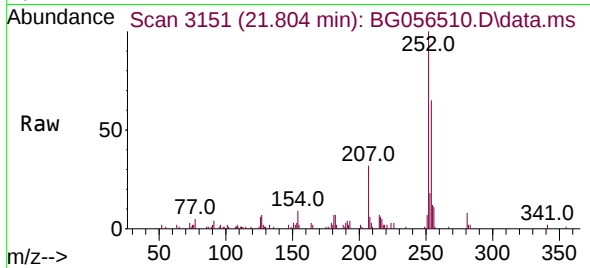
MDL-SOIL-03-QT4-2022

Tgt Ion:252 Resp: 28865
 Ion Ratio Lower Upper
 252 100
 254 65.3 50.0 75.0
 126 5.5 4.3 6.5

Manual Integrations

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Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023



#83

Chrysene

Concen: 4.868 ng

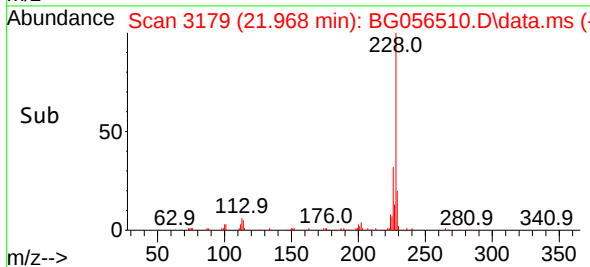
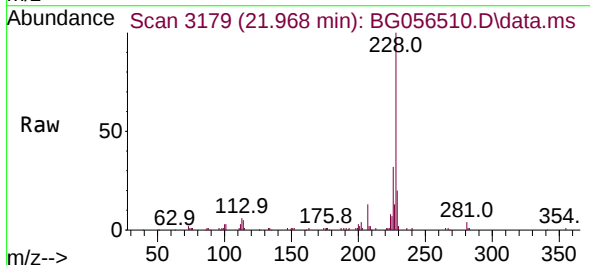
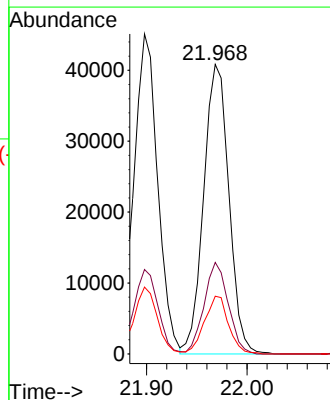
RT: 21.968 min Scan# 3179

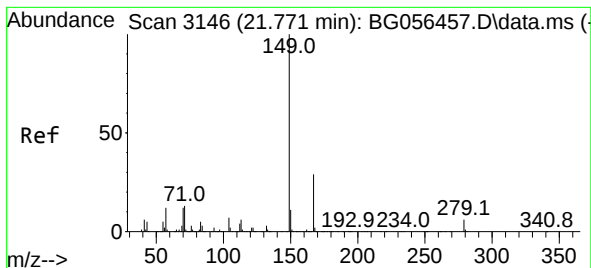
Delta R.T. -0.009 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Tgt Ion:228 Resp: 71328
 Ion Ratio Lower Upper
 228 100
 226 31.6 25.0 37.4
 229 19.9 16.4 24.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.395 ng

RT: 21.757 min Scan# 3143

Delta R.T. -0.009 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

ClientSampleId :

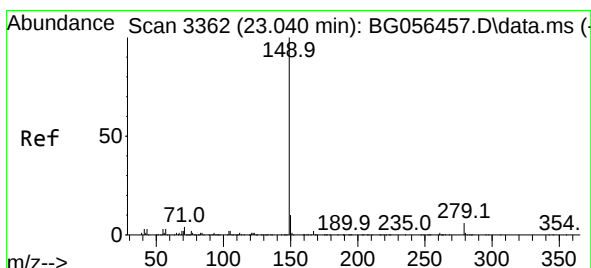
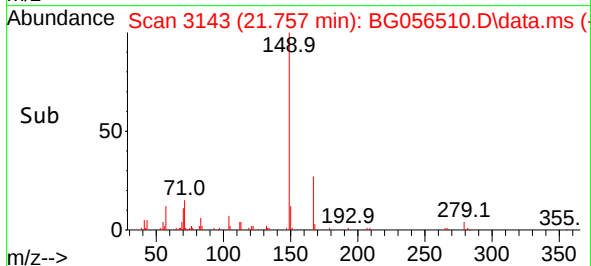
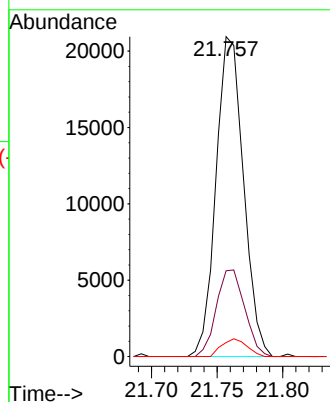
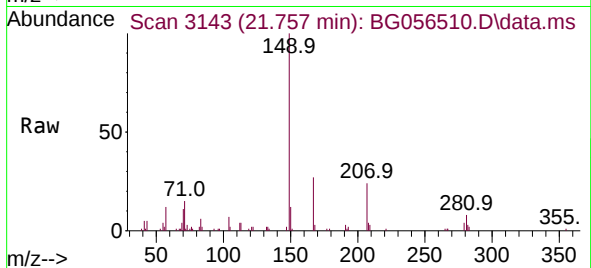
MDL-SOIL-03-QT4-2022

Tgt Ion:	149	Resp:	3053
Ion Ratio	Lower	Upper	
149	100		
167	26.8	23.4	35.2
279	4.4	4.4	6.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#85

Di-n-octyl phthalate

Concen: 4.517 ng

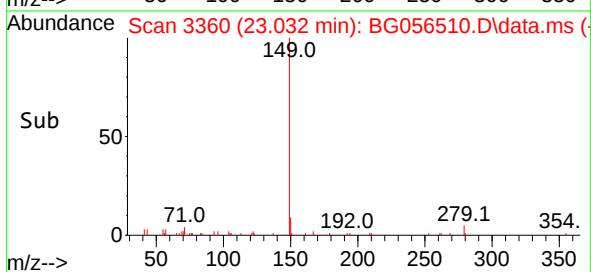
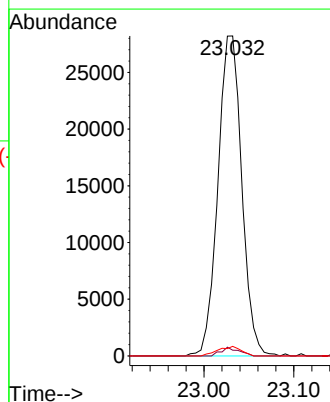
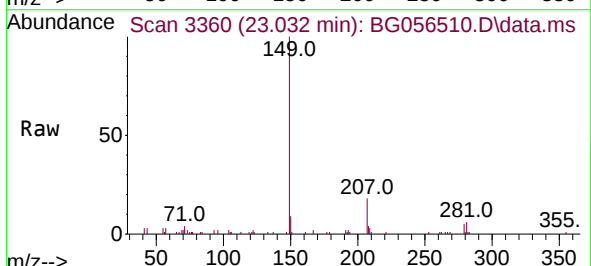
RT: 23.032 min Scan# 3360

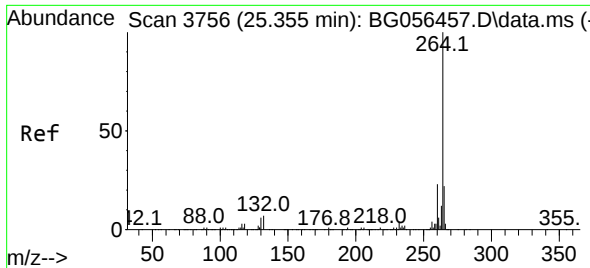
Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

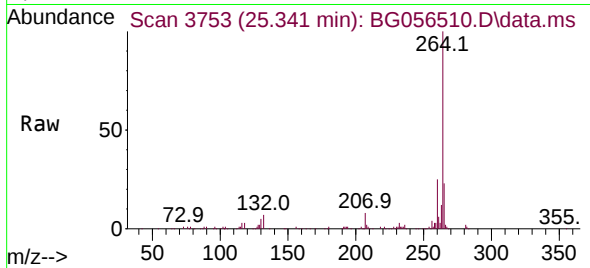
Tgt Ion:	149	Resp:	52263
Ion Ratio	Lower	Upper	
149	100		
167	2.0	1.4	2.0
43	2.9	2.7	4.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.341 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

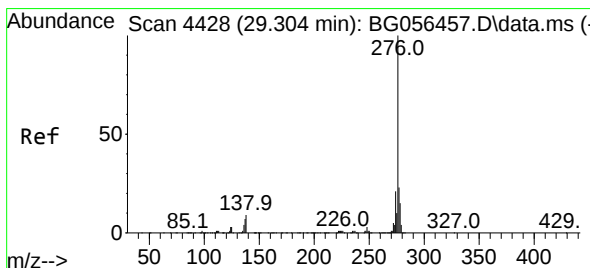
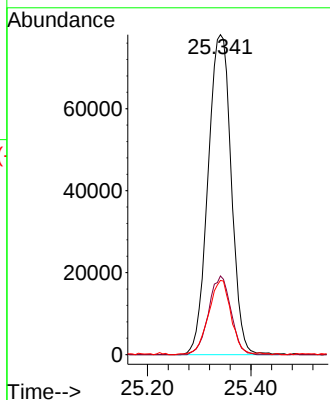
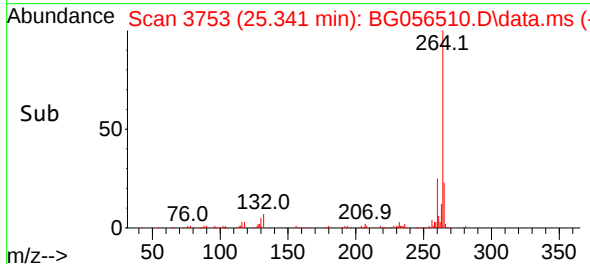
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:264 Resp: 243317
Ion Ratio Lower Upper
264 100
260 24.6 18.2 27.4
265 23.2 18.1 27.1

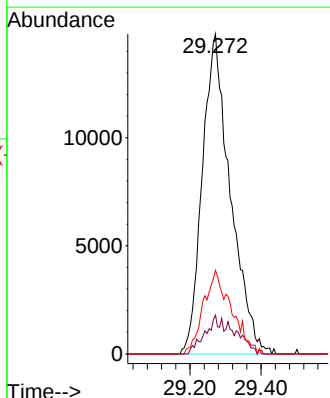
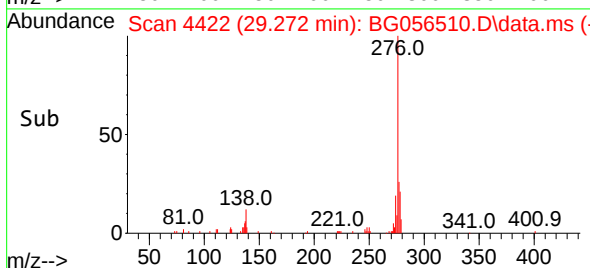
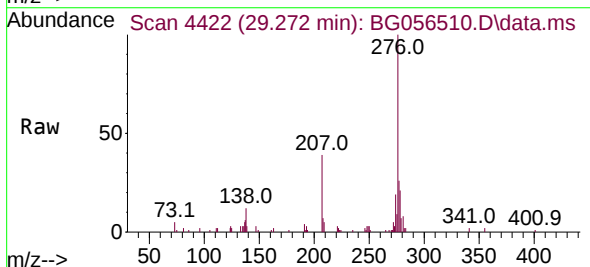
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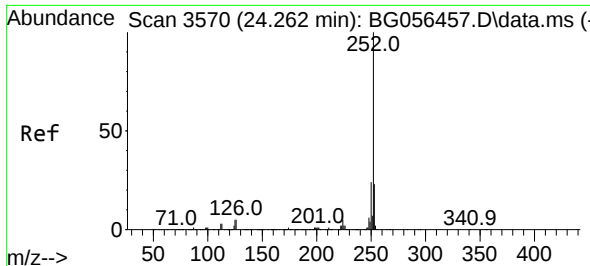
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.548 ng
RT: 29.272 min Scan# 4422
Delta R.T. -0.009 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

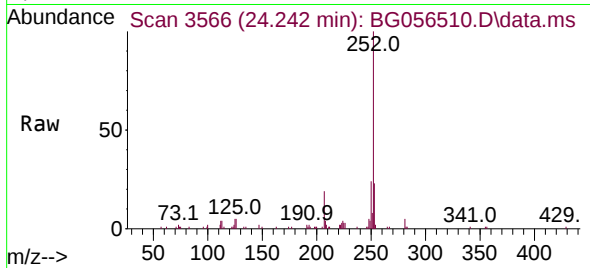
Tgt Ion:276 Resp: 80997
Ion Ratio Lower Upper
276 100
138 6.0 9.4 14.2#
277 26.0 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 5.025 ng
RT: 24.242 min Scan# 3570
Delta R.T. -0.009 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

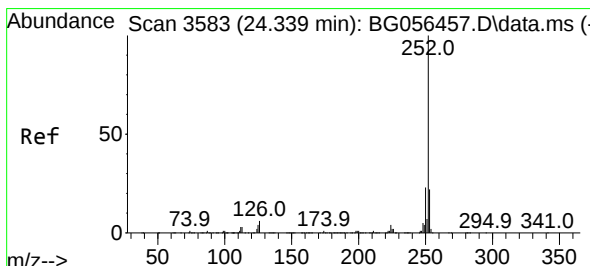
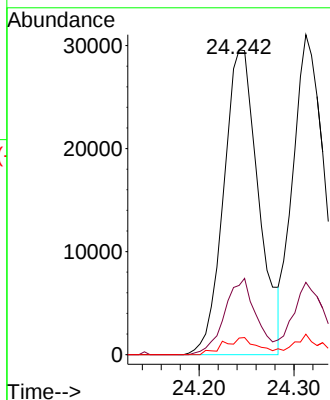
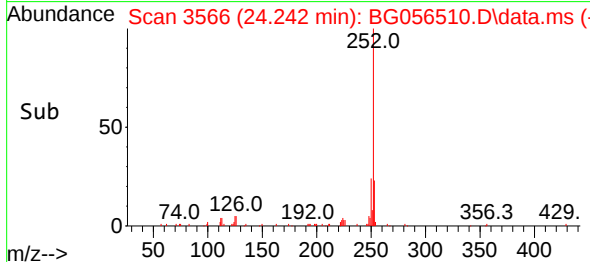
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:252 Resp: 75896
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 5.4 3.9 5.9

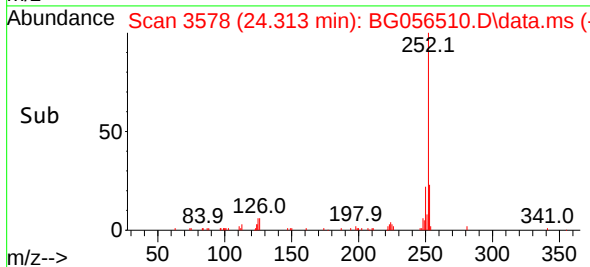
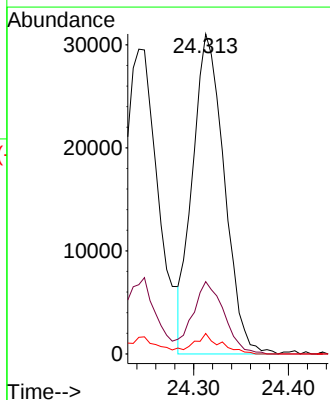
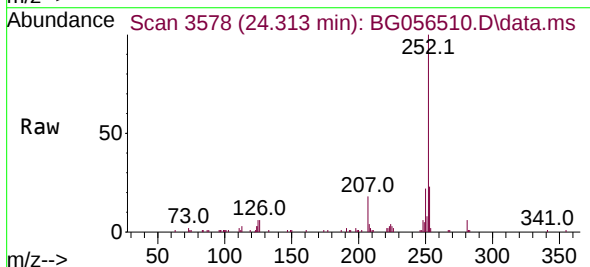
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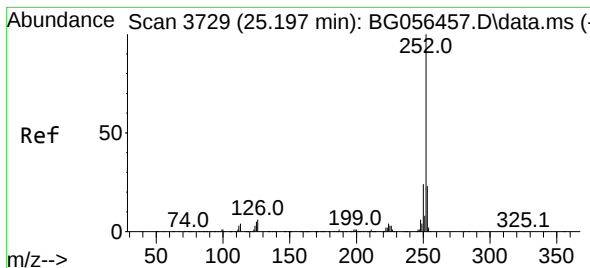
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#89
Benzo(k)fluoranthene
Concen: 4.738 ng
RT: 24.313 min Scan# 3578
Delta R.T. -0.009 min
Lab File: BG056510.D
Acq: 2 Feb 2023 11:56

Tgt Ion:252 Resp: 72248
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 6.4 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 4.490 ng

RT: 25.182 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

Instrument :

BNA_G

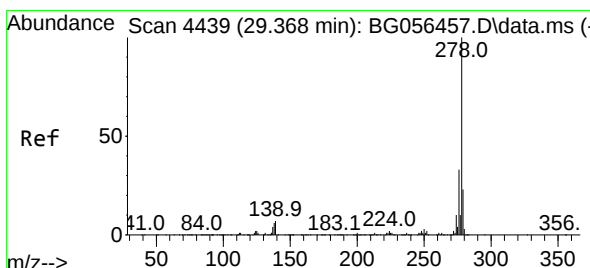
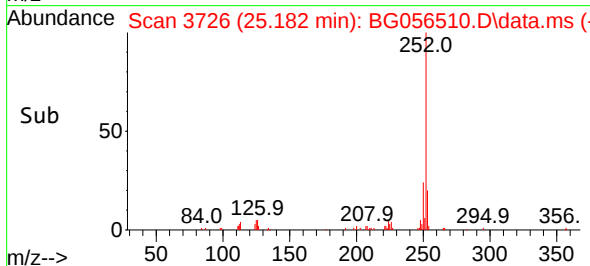
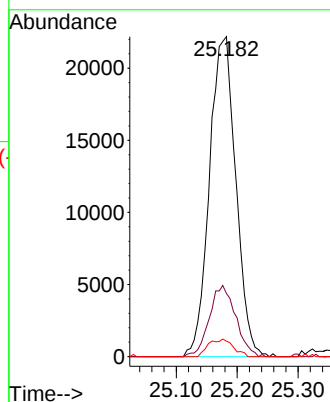
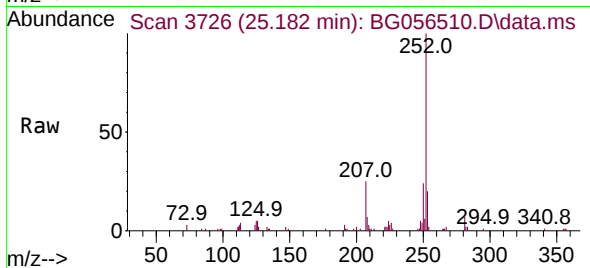
ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:252 Resp: 66802
 Ion Ratio Lower Upper
 252 100
 253 19.7 18.4 27.6
 125 4.8 4.1 6.1

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Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023



#91

Dibenzo(a,h)anthracene

Concen: 4.900 ng

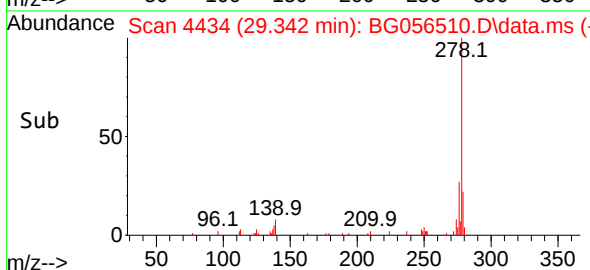
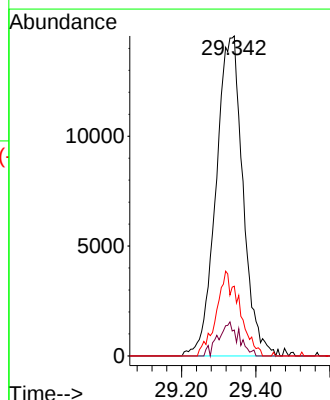
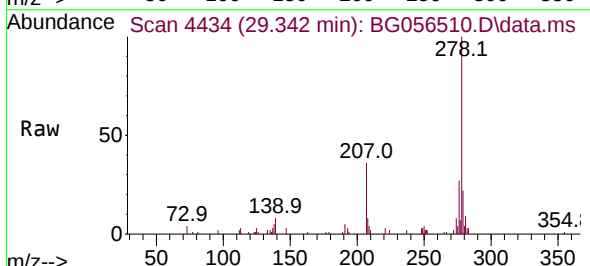
RT: 29.342 min Scan# 4434

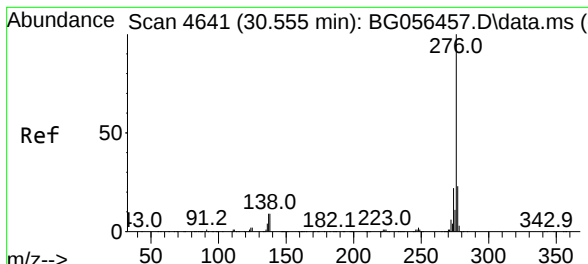
Delta R.T. -0.003 min

Lab File: BG056510.D

Acq: 2 Feb 2023 11:56

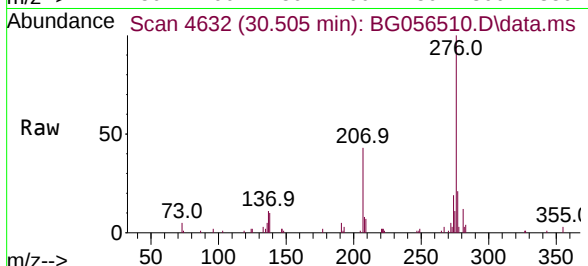
Tgt Ion:278 Resp: 73251
 Ion Ratio Lower Upper
 278 100
 139 8.1 5.5 8.3
 279 21.8 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.908 ng
 RT: 30.505 min Scan# 4632
 Delta R.T. -0.020 min
 Lab File: BG056510.D
 Acq: 2 Feb 2023 11:56

Instrument : BNA_G
 ClientSampleId : MDL-SOIL-03-QT4-2022



Tgt Ion: 276 Resp: 7080

Ion	Ratio	Lower	Upper
276	100		
277	21.2	18.5	27.7
138	9.9	7.4	11.0

Manual Integrations
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Reviewed By : Christian Giraldo 02/03/2023
 Supervised By : Jagrut Upadhyay 02/03/2023

