

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020123\
 Data File : BG056502.D
 Acq On : 1 Feb 2023 16:21
 Operator : CG/JU
 Sample : N3980-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Quant Time: Feb 02 05:02:53 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

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo

02/02/2023
 Supervised By :Jagrut
 Upadhyay

02/02/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	27846	20.000	ng	# 0.00
21) Naphthalene-d8	11.108	136	101093	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	83127	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	215566	20.000	ng	0.00
76) Chrysene-d12	21.919	240	209188	20.000	ng	0.00
86) Perylene-d12	25.344	264	227414	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.790	112	191769	126.688	ng	0.00
7) Phenol-d6	7.418	99	270843	120.760	ng	0.00
23) Nitrobenzene-d5	9.451	82	175805	98.751	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	146953	132.974	ng	0.00
45) 2-Fluorobiphenyl	13.523	172	603625	100.675	ng	0.00
79) Terphenyl-d14	20.209	244	1148614	96.439	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.593	88	3159	5.012	ng	# 98
3) Pyridine	4.028	79	8011	4.264	ng	# 91
4) n-Nitrosodimethylamine	3.934	42	1477	3.697	ng	# 83
6) Aniline	7.588	93	12626	4.300	ng	96
8) 2-Chlorophenol	7.829	128	7597	4.569	ng	97
9) Benzaldehyde	7.400	77	6511	4.625	ng	95
10) Phenol	7.441	94	9832	4.313	ng	86
11) bis(2-Chloroethyl)ether	7.676	93	7147	4.561	ng	91
12) 1,3-Dichlorobenzene	8.170	146	8592m	4.488	ng	
13) 1,4-Dichlorobenzene	8.311	146	9452	4.875	ng	94
14) 1,2-Dichlorobenzene	8.634	146	9141	4.859	ng	98
15) Benzyl Alcohol	8.517	79	6140	3.990	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.799	45	1653	4.979	ng	80
17) 2-Methylphenol	8.716	107	6945	4.005	ng	# 91
18) Hexachloroethane	9.374	117	3103	5.291	ng	89
19) n-Nitroso-di-n-propyla...	9.069	70	5627	4.354	ng	95
20) 3+4-Methylphenols	9.040	107	9302	3.827	ng	87
22) Acetophenone	9.104	105	13193	4.912	ng	# 100
24) Nitrobenzene	9.492	77	8914	5.191	ng	93
25) Isophorone	10.009	82	16261	4.427	ng	99
26) 2-Nitrophenol	10.215	139	4879	4.683	ng	# 93
27) 2,4-Dimethylphenol	10.250	122	7570	4.341	ng	# 78
28) bis(2-Chloroethoxy)met...	10.491	93	9903	4.881	ng	# 98
29) 2,4-Dichlorophenol	10.755	162	8478	4.320	ng	98
30) 1,2,4-Trichlorobenzene	10.967	180	11098	5.088	ng	99
31) Naphthalene	11.155	128	26397	4.947	ng	95
33) 4-Chloroaniline	11.260	127	11390	4.573	ng	# 94
34) Hexachlorobutadiene	11.431	225	7820	5.108	ng	90
35) Caprolactam	12.001	113	3179	4.803	ng	83
36) 4-Chloro-3-methylphenol	12.365	107	7981	4.211	ng	93
37) 2-Methylnaphthalene	12.741	142	19730m	4.485	ng	
38) 1-Methylnaphthalene	12.964	142	19214m	4.677	ng	
40) 1,2,4,5-Tetrachloroben...	13.105	216	15671	5.160	ng	97
41) Hexachlorocyclopentadiene	13.076	237	3058	8.120	ng	98
43) 2,4,6-Trichlorophenol	13.346	196	8406	4.295	ng	91
44) 2,4,5-Trichlorophenol	13.423	196	8709	3.801	ng	# 90

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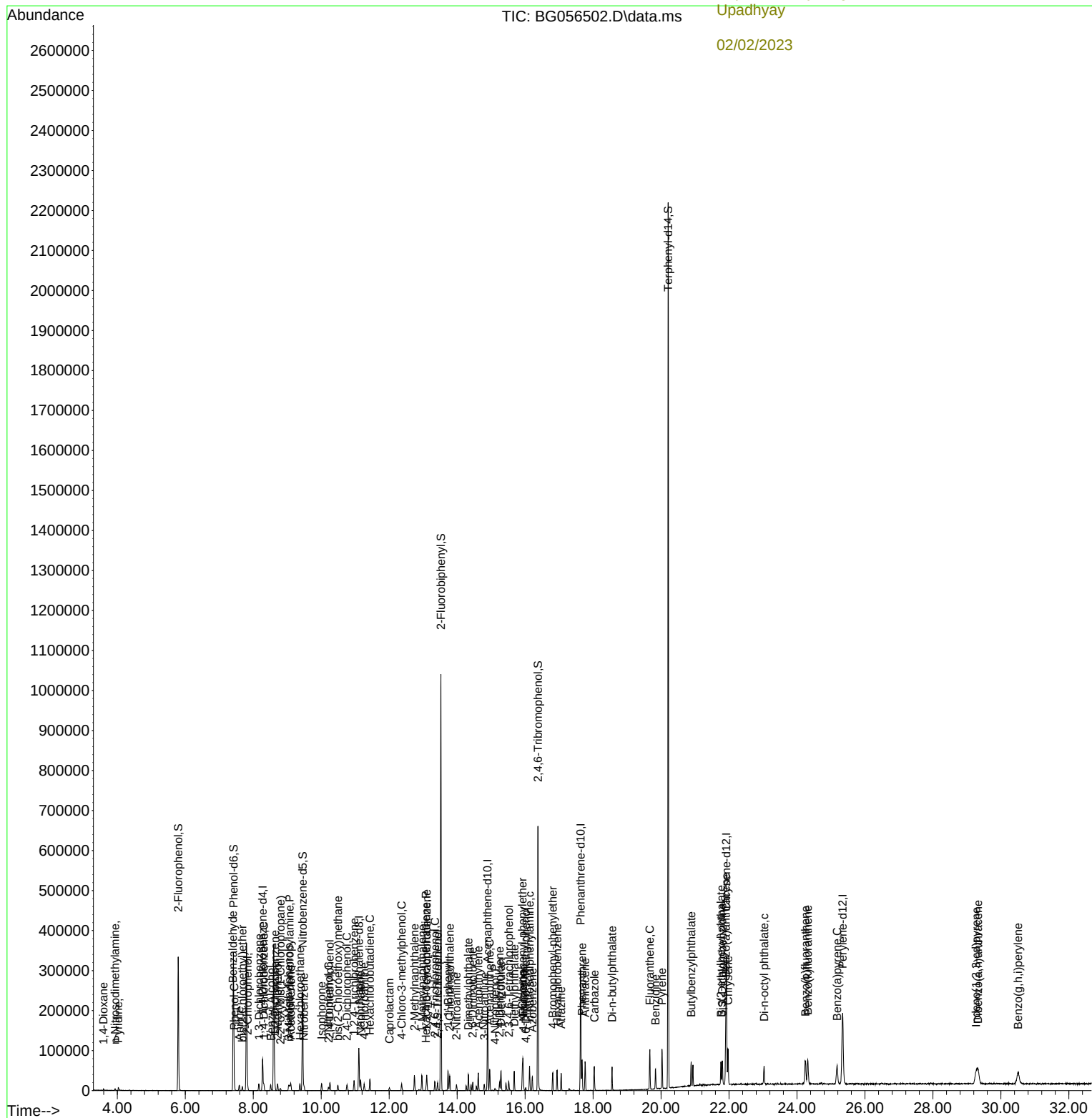
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.734	154	29948	4.967	ng	98
47) 2-Chloronaphthalene	13.781	162	23183	4.919	ng	95
48) 2-Nitroaniline	13.981	65	3882	3.985	ng	93
49) Acenaphthylene	14.621	152	36525	4.764	ng	95
50) Dimethylphthalate	14.327	163	32076	4.770	ng	99
51) 2,6-Dinitrotoluene	14.457	165	6674	4.551	ng	90
52) Acenaphthene	14.956	154	21612	4.753	ng	97
53) 3-Nitroaniline	14.798	138	6191	4.354	ng	# 91
55) Dibenzofuran	15.291	168	40421	4.957	ng	97
56) 4-Nitrophenol	15.115	139	3306	3.403	ng	# 66
57) 2,4-Dinitrotoluene	15.250	165	9374	4.538	ng	# 93
58) Fluorene	15.937	166	31436	4.845	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.520	232	8821m	4.330	ng	
60) Diethylphthalate	15.679	149	29559	4.681	ng	97
61) 4-Chlorophenyl-phenyle...	15.920	204	19045	4.810	ng	97
62) 4-Nitroaniline	15.949	138	5929	4.167	ng	97
63) Azobenzene	16.214	77	20862	4.801	ng	96
65) 4,6-Dinitro-2-methylph...	16.020	198	4488	2.961	ng	90
66) n-Nitrosodiphenylamine	16.131	169	27712	4.540	ng	99
67) 4-Bromophenyl-phenylether	16.813	248	13057	4.731	ng	87
68) Hexachlorobenzene	16.942	284	13256	4.904	ng	99
69) Atrazine	17.060	200	12394	5.264	ng	90
71) Phenanthrene	17.677	178	55587	4.927	ng	99
72) Anthracene	17.765	178	54677	4.721	ng	97
73) Carbazole	18.035	167	46560	4.720	ng	96
74) Di-n-butylphthalate	18.558	149	45843	4.426	ng	99
75) Fluoranthene	19.668	202	67542	4.743	ng	97
77) Benzidine	19.839	184	38342	6.773	ng	99
78) Pyrene	20.027	202	69243	4.654	ng	100
80) Butylbenzylphthalate	20.884	149	19464	4.284	ng	96
81) Benzo(a)anthracene	21.901	228	70567	4.825	ng	97
82) 3,3'-Dichlorobenzidine	21.801	252	29039	5.514	ng	97
83) Chrysene	21.971	228	65604	4.775	ng	96
84) Bis(2-ethylhexyl)phtha...	21.760	149	29165	4.477	ng	99
85) Di-n-octyl phthalate	23.029	149	48417	4.463	ng	99
87) Indeno(1,2,3-cd)pyrene	29.269	276	76512	4.596	ng	# 65
88) Benzo(b)fluoranthene	24.245	252	70884	5.022	ng	96
89) Benzo(k)fluoranthene	24.316	252	69003	4.842	ng	99
90) Benzo(a)pyrene	25.179	252	62165	4.471	ng	97
91) Dibenzo(a,h)anthracene	29.322	278	67408	4.824	ng	99
92) Benzo(g,h,i)perylene	30.503	276	65875	4.886	ng	98

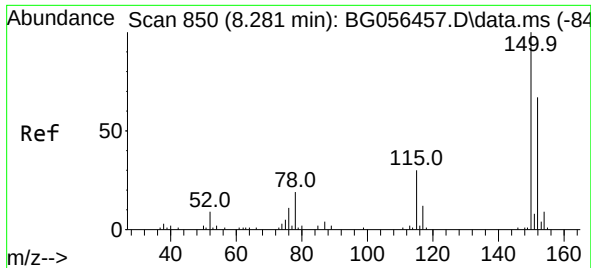
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Manual Integrations APPROVED

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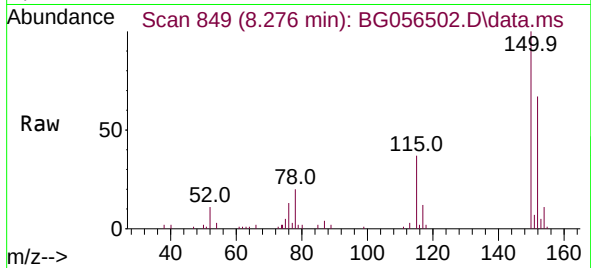
02/02/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



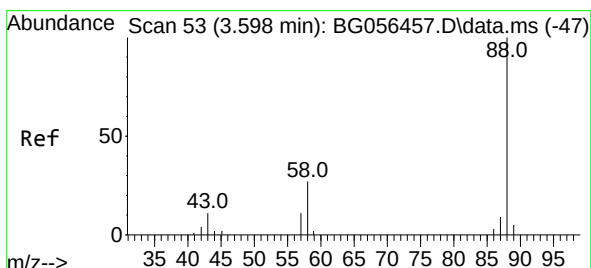
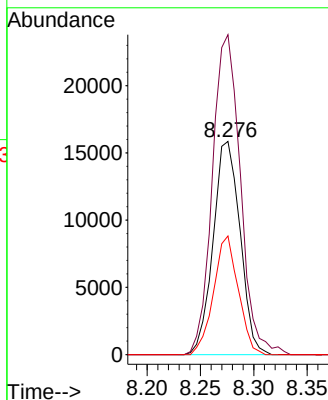
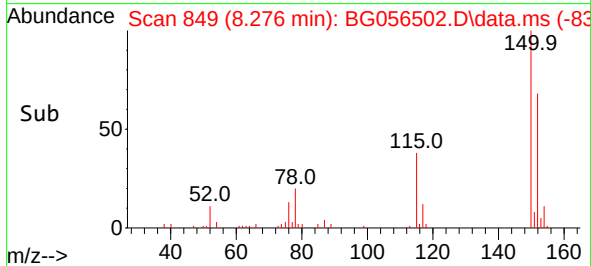
Tgt Ion:152 Resp: 27846
Ion Ratio Lower Upper
152 100
150 150.1 120.2 180.4
115 55.7 36.3 54.5

Manual Integrations
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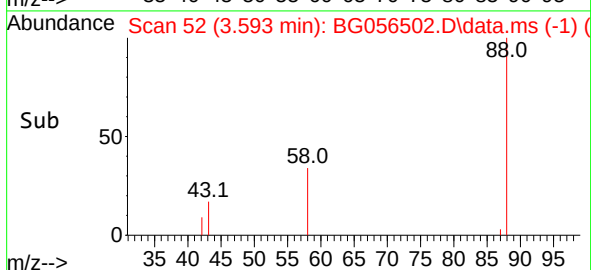
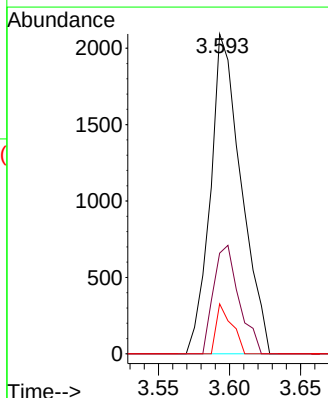
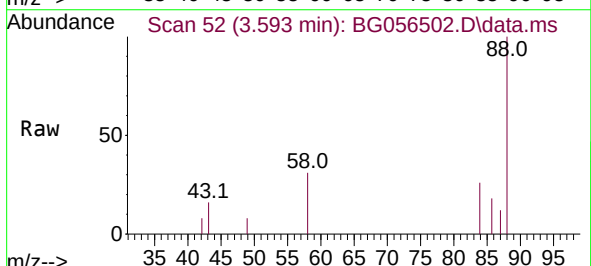
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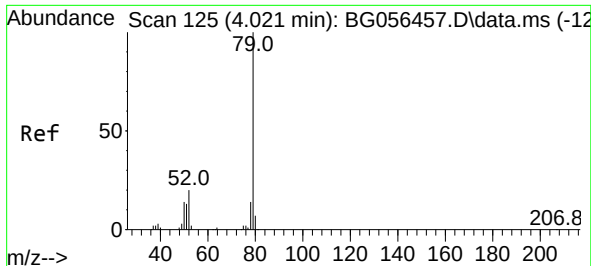
02/02/2023



#2
1,4-Dioxane
Concen: 5.012 ng
RT: 3.593 min Scan# 52
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

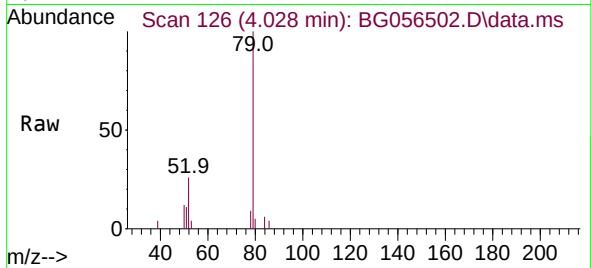
Tgt Ion: 88 Resp: 3159
Ion Ratio Lower Upper
88 100
58 28.0 23.0 34.4
43 7.9 8.0 12.0





#3
Pyridine
Concen: 4.264 ng
RT: 4.028 min Scan# 110
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



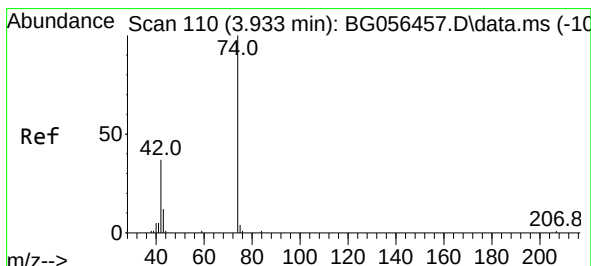
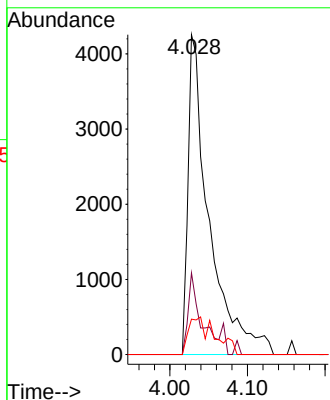
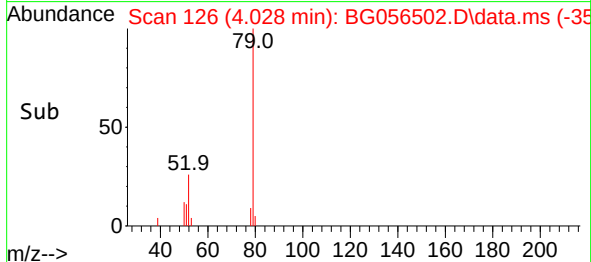
Tgt Ion: 79 Resp: 801
Ion Ratio Lower Upper
79 100
52 25.5 16.1 24.1
51 11.1 10.7 16.1

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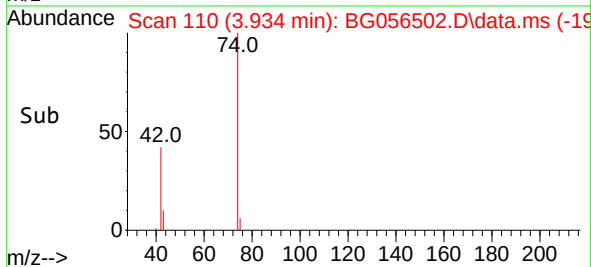
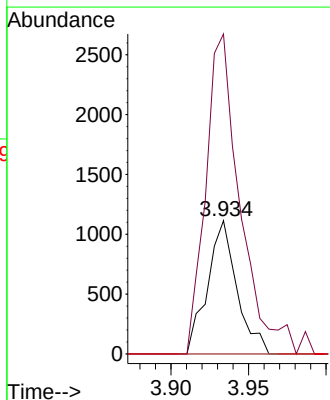
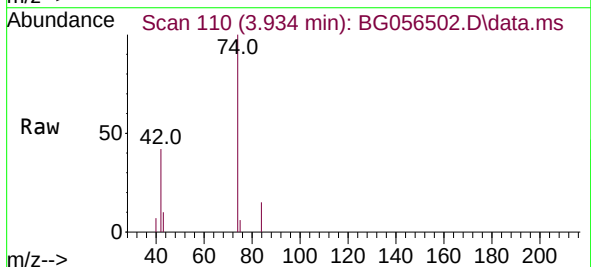
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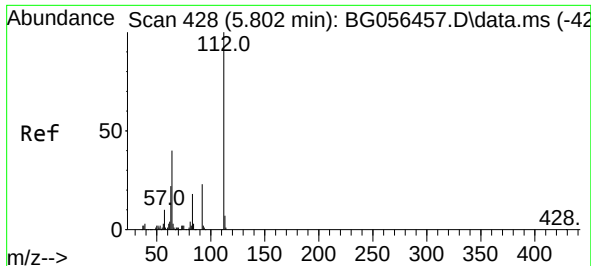
02/02/2023



#4
n-Nitrosodimethylamine
Concen: 3.697 ng
RT: 3.934 min Scan# 110
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

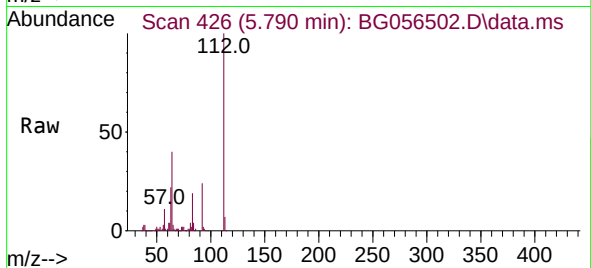
Tgt Ion: 42 Resp: 1477
Ion Ratio Lower Upper
42 100
74 240.1 217.9 326.9
44 0.0 3.0 4.6





#5
2-Fluorophenol
Concen: 126.688 ng
RT: 5.790 min Scan# 428
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



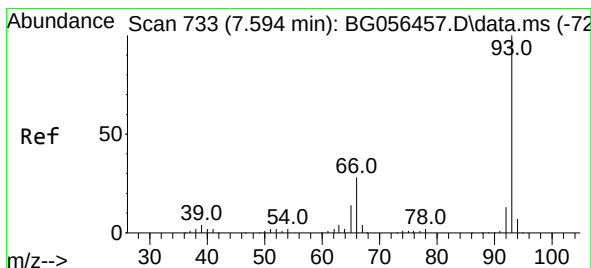
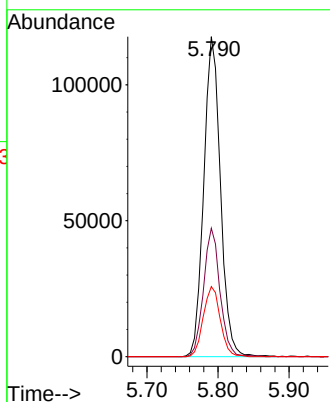
Tgt Ion: 112 Resp: 191769
Ion Ratio Lower Upper
112 100
64 40.1 31.9 47.9
63 21.9 17.4 26.0

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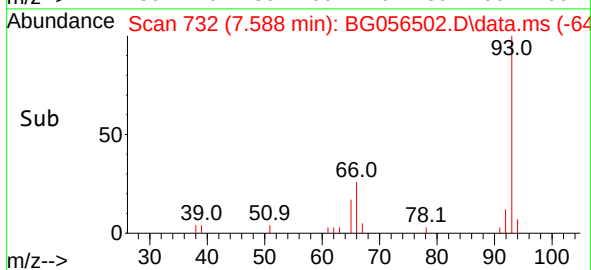
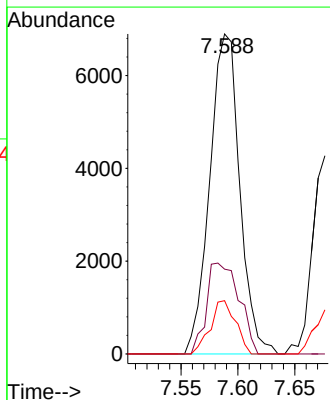
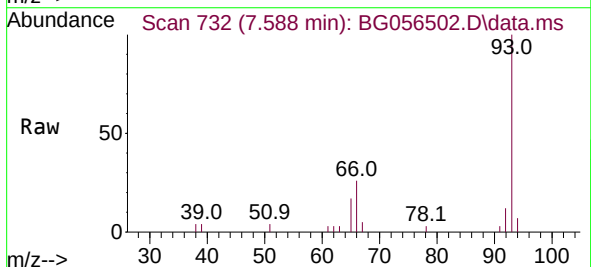
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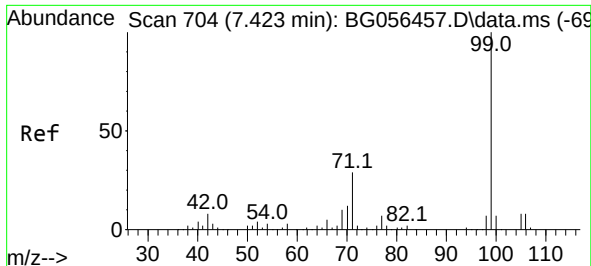
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#6
Aniline
Concen: 4.300 ng
RT: 7.588 min Scan# 732
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

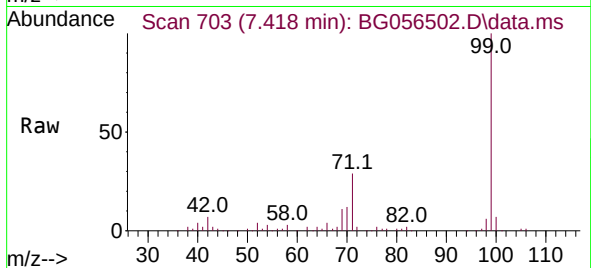
Tgt Ion: 93 Resp: 12626
Ion Ratio Lower Upper
93 100
66 26.5 22.2 33.2
65 16.6 11.3 16.9





#7
Phenol-d6
Concen: 120.760 ng
RT: 7.418 min Scan# 704
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



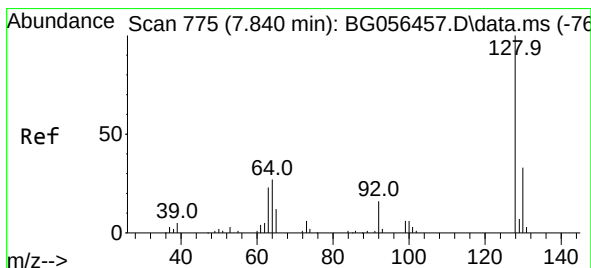
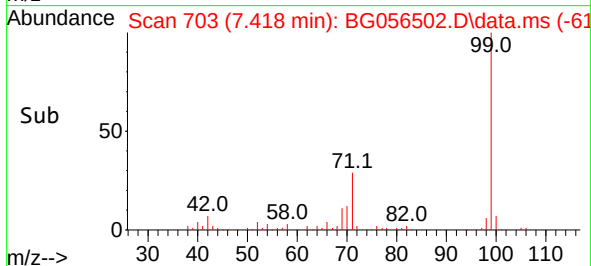
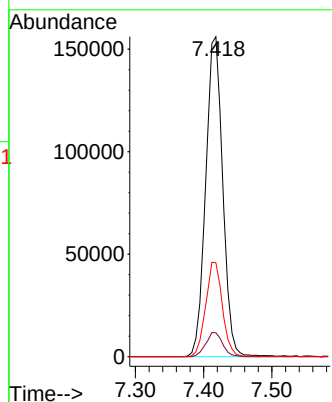
Tgt Ion: 99 Resp: 270843
Ion Ratio Lower Upper
99 100
42 7.4 6.6 10.0
71 29.3 23.4 35.0

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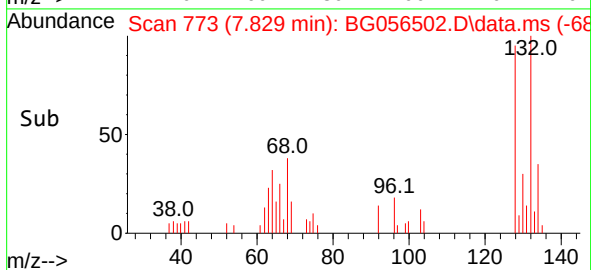
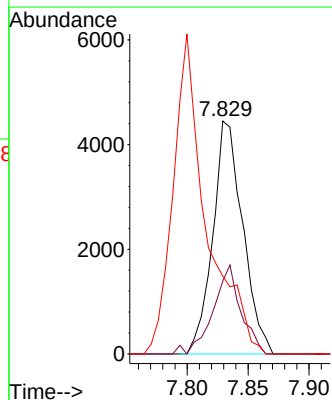
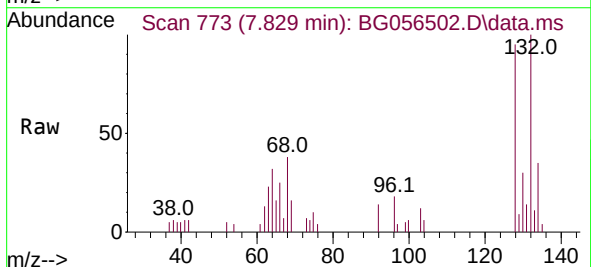
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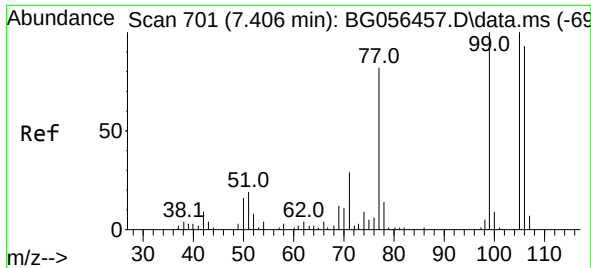
02/02/2023



#8
2-Chlorophenol
Concen: 4.569 ng
RT: 7.829 min Scan# 773
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:128 Resp: 7597
Ion Ratio Lower Upper
128 100
130 31.2 12.8 52.8
64 33.4 11.3 51.3





#9
Benzaldehyde
Concen: 4.625 ng
RT: 7.400 min Scan# 701
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022

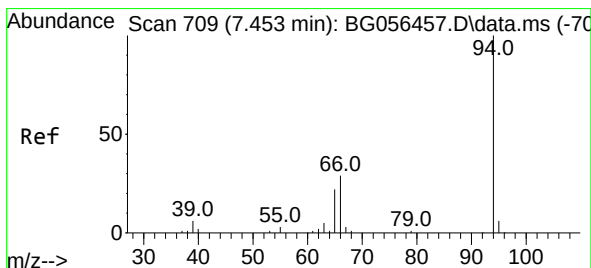
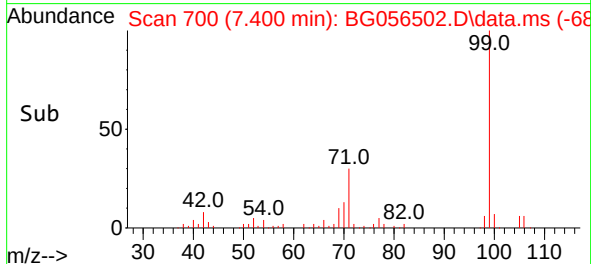
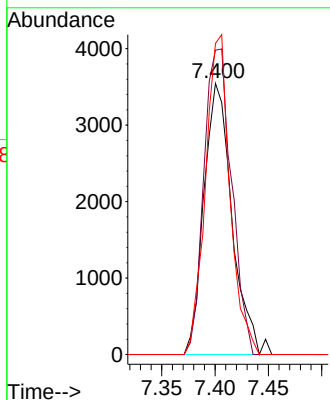
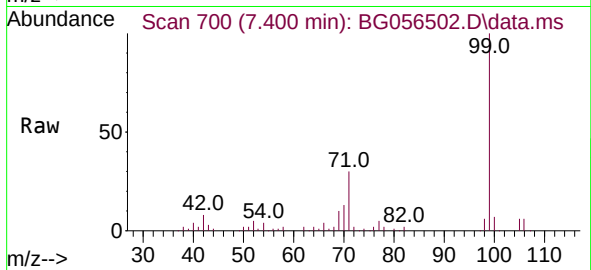
Tgt Ion: 77 Resp: 651
Ion Ratio Lower Upper
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105 112.2 101.8 141.8
106 114.7 93.0 133.0

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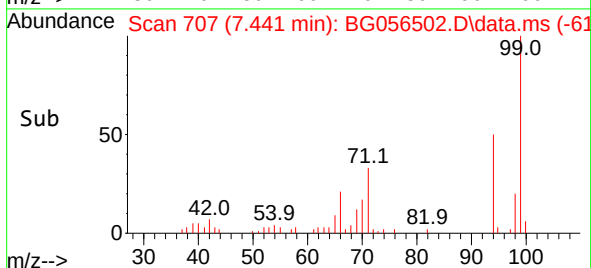
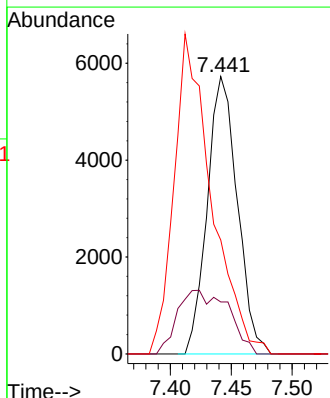
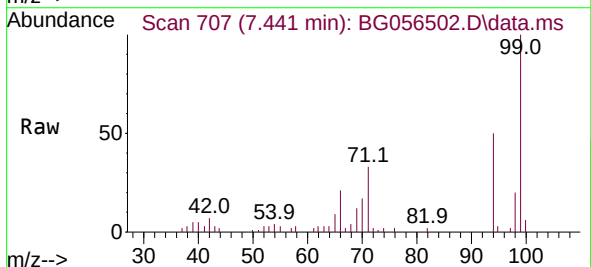
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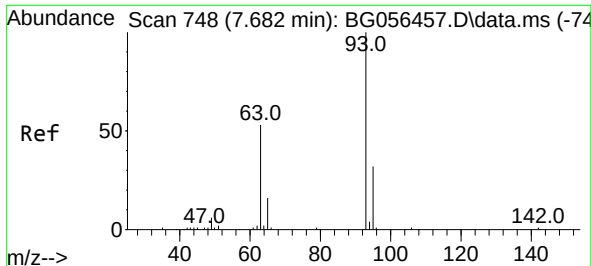
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#10
Phenol
Concen: 4.313 ng
RT: 7.441 min Scan# 707
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

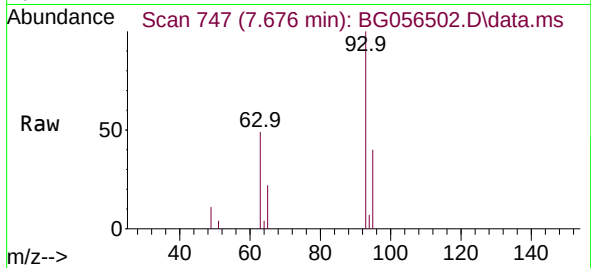
Tgt Ion: 94 Resp: 9832
Ion Ratio Lower Upper
94 100
65 18.7 2.3 42.3
66 41.1 11.2 51.2





#11
bis(2-Chloroethyl)ether
Concen: 4.561 ng
RT: 7.676 min Scan# 748
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



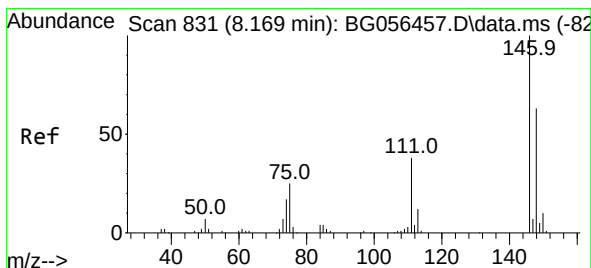
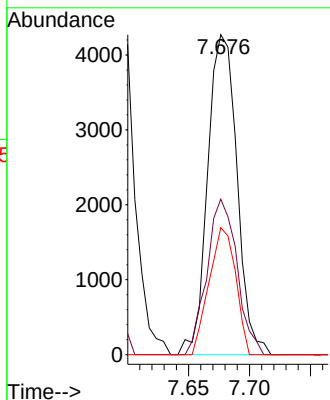
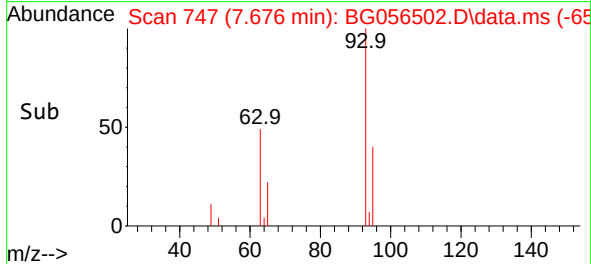
Tgt Ion: 93 Resp: 714
Ion Ratio Lower Upper
93 100
63 48.6 32.4 72.4
95 39.7 11.8 51.8

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Reviewed By :Christian
Giraldo

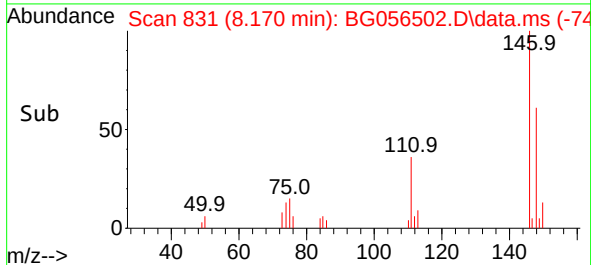
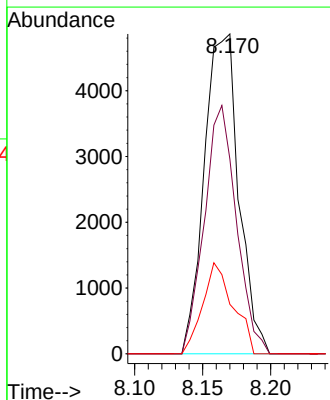
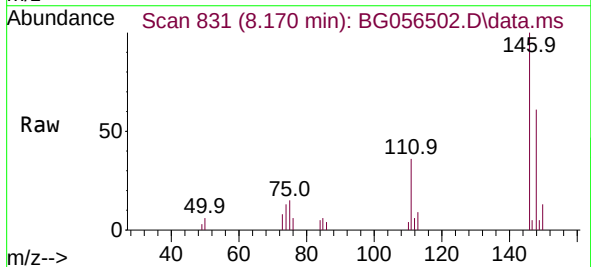
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Supervised By :Jagrut
Upadhyay

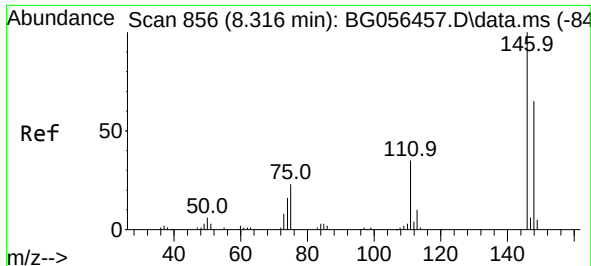
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#12
1,3-Dichlorobenzene
Concen: 4.488 ng m
RT: 8.170 min Scan# 831
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:146 Resp: 8592
Ion Ratio Lower Upper
146 100
148 60.9 50.6 75.8
75 15.5 19.6 29.4#





#13

1,4-Dichlorobenzene

Concen: 4.875 ng

RT: 8.311 min Scan# 81

Delta R.T. 0.000 min

Lab File: BG056502.D

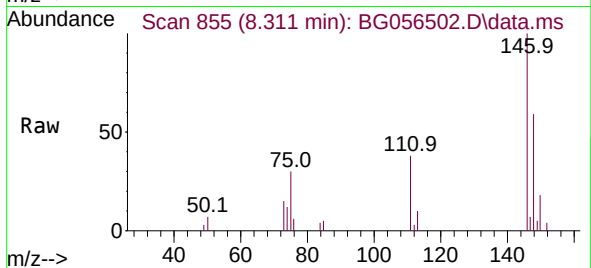
Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion:146 Resp: 9452

Ion	Ratio	Lower	Upper
146	100		
148	58.9	51.8	77.6
111	38.0	28.6	42.8

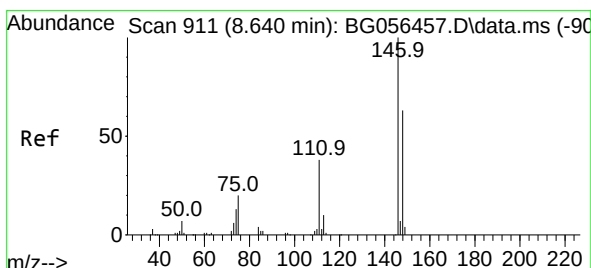
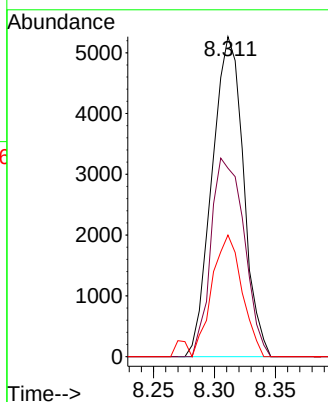
Manual Integrations
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Reviewed By :Christian
Giraldo

02/02/2023

Supervised By :Jagrut
Upadhyay

02/02/2023



#14

1,2-Dichlorobenzene

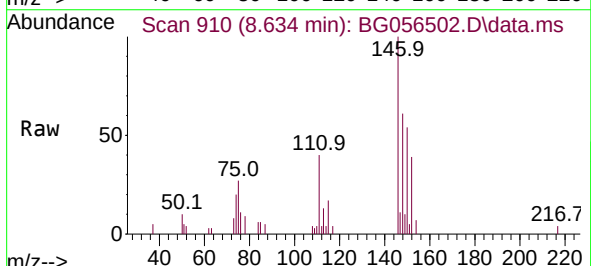
Concen: 4.859 ng

RT: 8.634 min Scan# 910

Delta R.T. 0.000 min

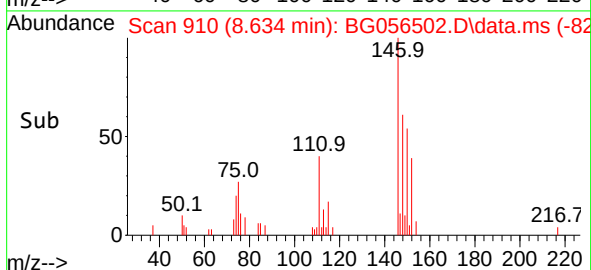
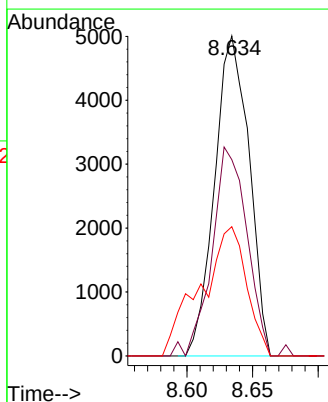
Lab File: BG056502.D

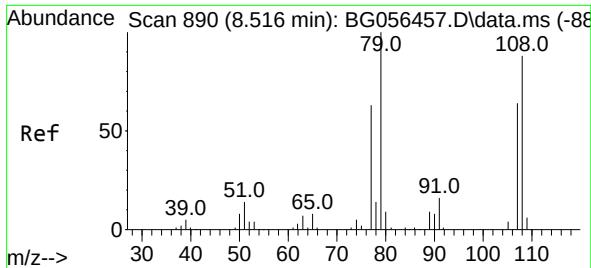
Acq: 1 Feb 2023 16:21



Tgt Ion:146 Resp: 9141

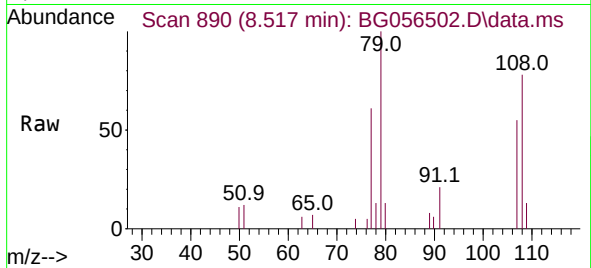
Ion	Ratio	Lower	Upper
146	100		
148	61.3	50.1	75.1
111	40.4	30.9	46.3





#15
Benzyl Alcohol
Concen: 3.990 ng
RT: 8.517 min Scan# 890
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



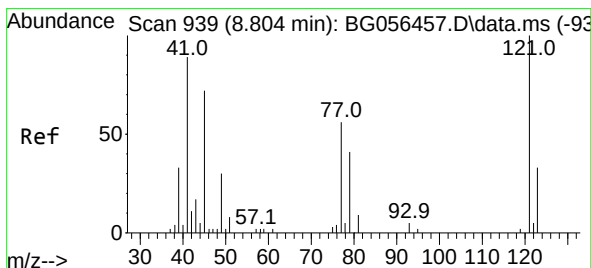
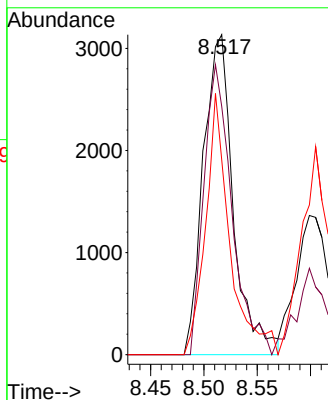
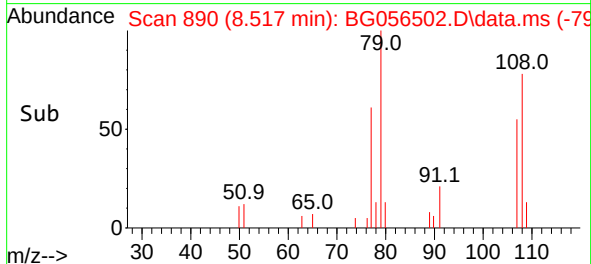
Tgt Ion: 79 Resp: 6140
Ion Ratio Lower Upper
79 100
108 77.6 70.1 105.1
77 60.9 50.3 75.5

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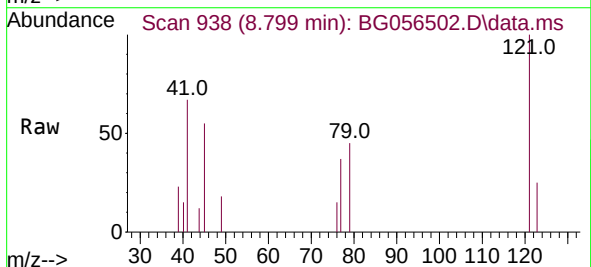
Reviewed By :Christian
Giraldo

02/02/2023
Supervised By :Jagrut
Upadhyay

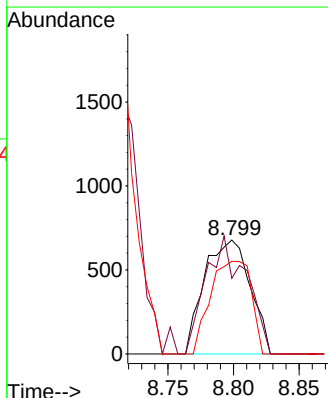
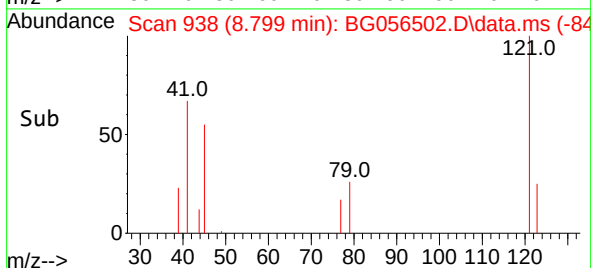
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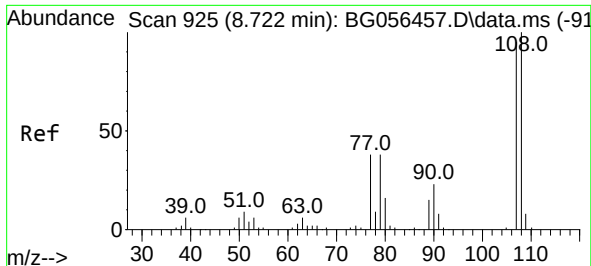


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.979 ng
RT: 8.799 min Scan# 938
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21



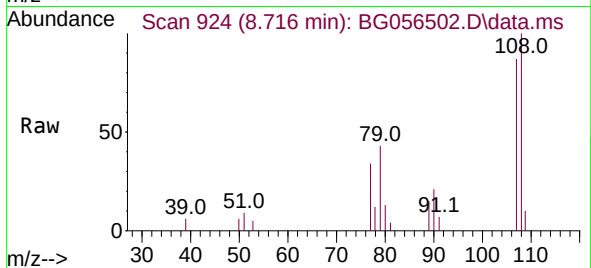
Tgt Ion: 45 Resp: 1653
Ion Ratio Lower Upper
45 100
77 66.4 62.1 102.1
79 81.3 42.7 82.7





#17
2-Methylphenol
Concen: 4.005 ng
RT: 8.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



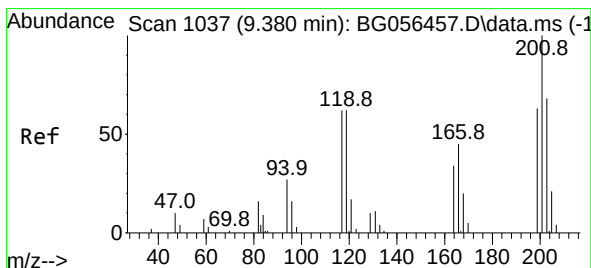
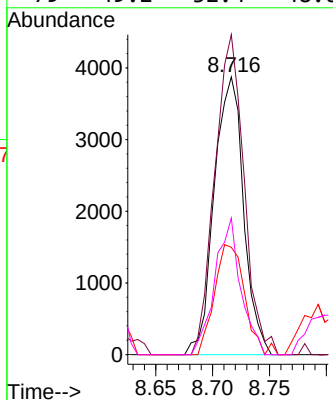
Tgt Ion:107 Resp: 6945
Ion Ratio Lower Upper
107 100
108 115.2 83.9 125.9
77 38.6 31.6 47.4
79 49.2 32.4 48.6

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Reviewed By :Christian
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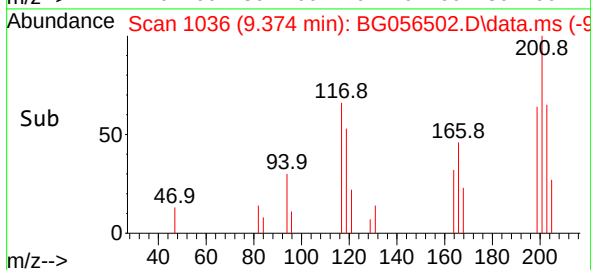
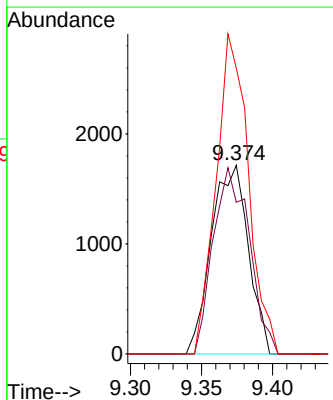
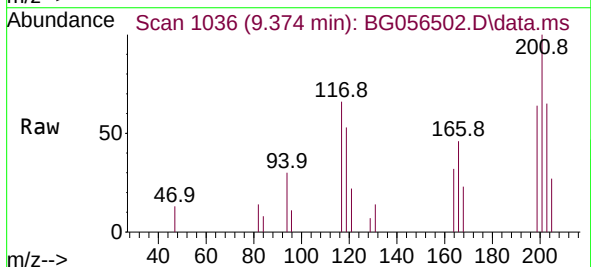
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Supervised By :Jagrut
Upadhyay

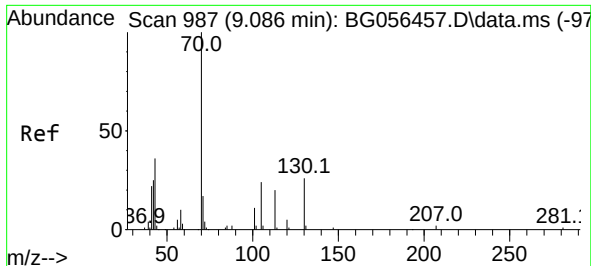
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#18
Hexachloroethane
Concen: 5.291 ng
RT: 9.374 min Scan# 1036
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

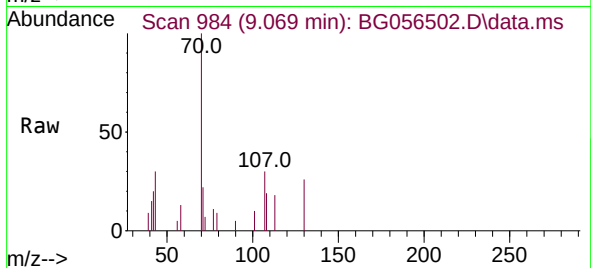
Tgt Ion:117 Resp: 3103
Ion Ratio Lower Upper
117 100
119 80.4 79.4 119.0
201 151.5 128.5 192.7





#19
n-Nitroso-di-n-propylamine
Concen: 4.354 ng
RT: 9.069 min Scan# 984
Delta R.T. -0.011 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



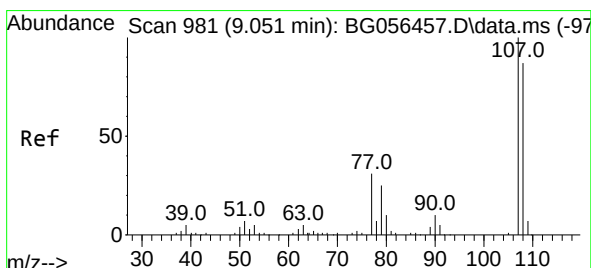
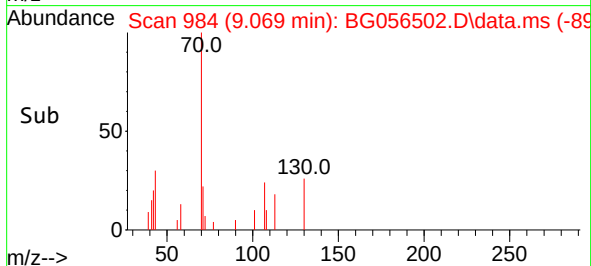
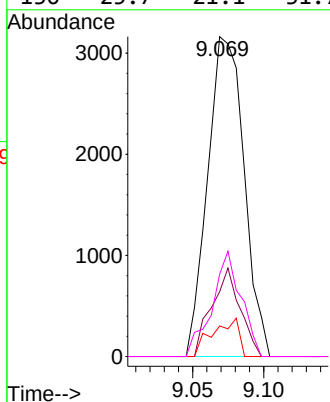
Tgt Ion: 70 Resp: 562
Ion Ratio Lower Upper
70 100
42 20.3 20.2 30.4
101 9.6 9.1 13.7
130 25.7 21.1 31.7

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Reviewed By :Christian
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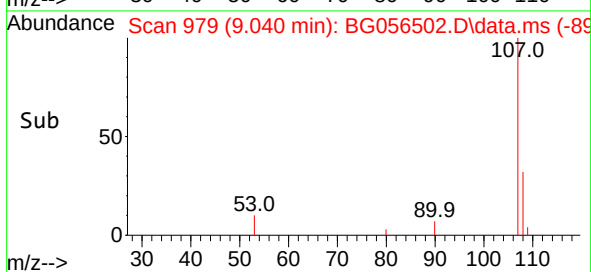
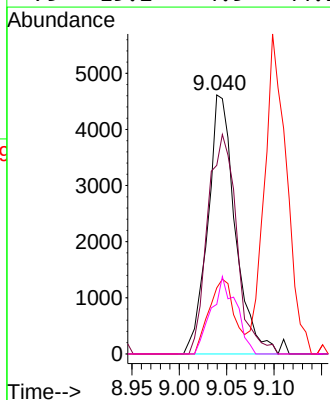
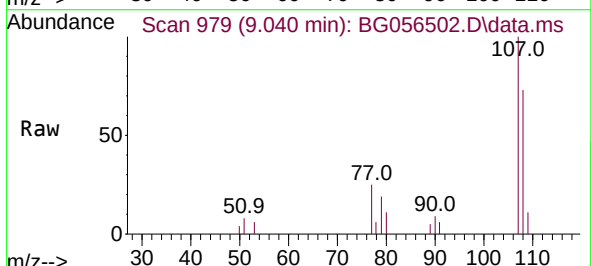
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Supervised By :Jagrut
Upadhyay

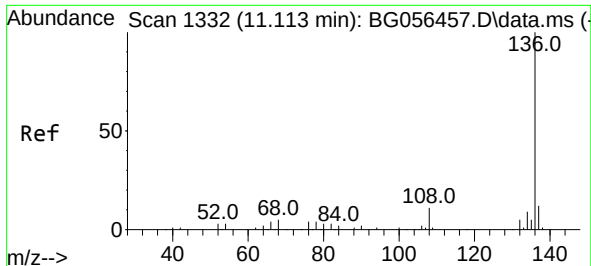
02/02/2023



#20
3+4-Methylphenols
Concen: 3.827 ng
RT: 9.040 min Scan# 979
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

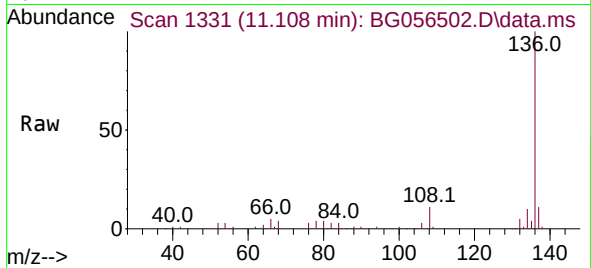
Tgt Ion:107 Resp: 9302
Ion Ratio Lower Upper
107 100
108 72.8 66.7 106.7
77 25.5 10.6 50.6
79 19.2 4.9 44.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.108 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



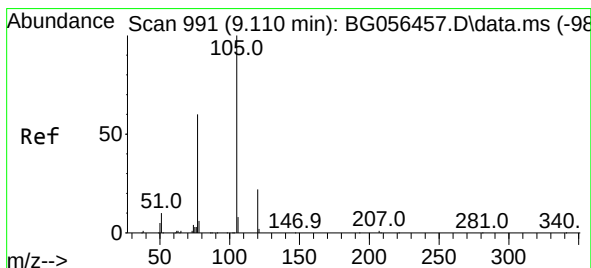
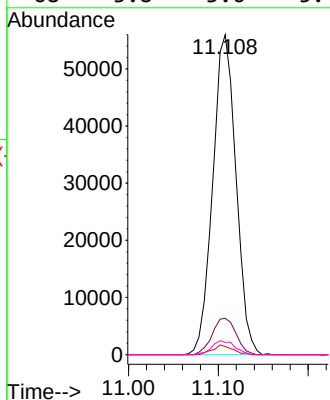
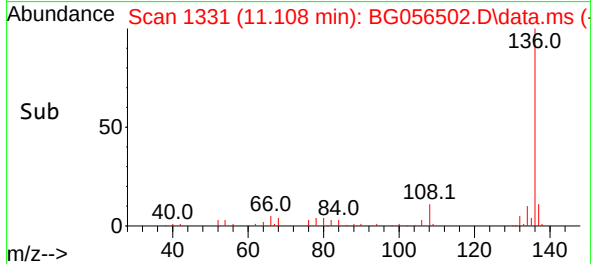
Tgt Ion:136 Resp: 101093
Ion Ratio Lower Upper
136 100
137 11.3 9.4 14.0
54 2.6 2.2 3.4
68 3.8 3.6 5.4

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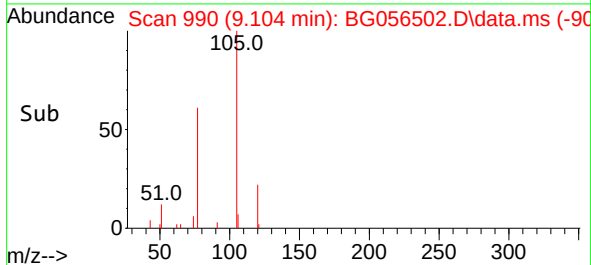
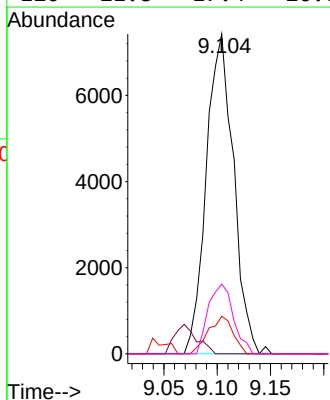
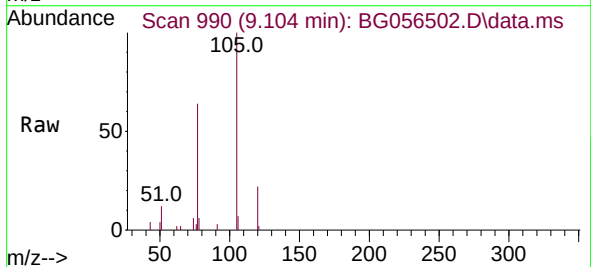
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Supervised By :Jagrut
Upadhyay

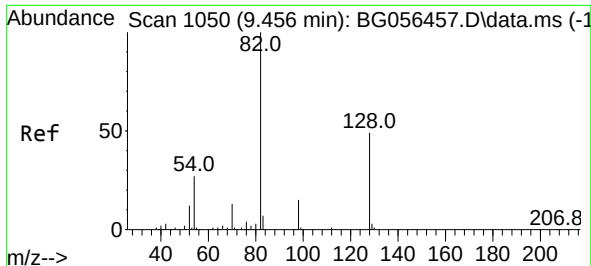
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#22
Acetophenone
Concen: 4.912 ng
RT: 9.104 min Scan# 990
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

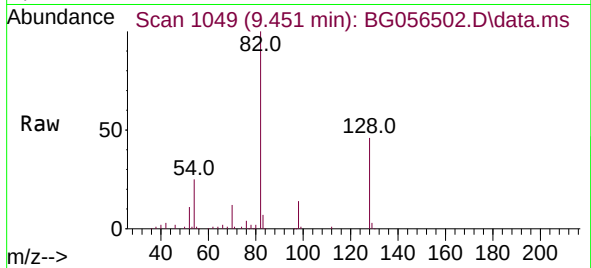
Tgt Ion:105 Resp: 13193
Ion Ratio Lower Upper
105 100
71 0.0 0.6 0.8#
51 11.7 9.2 13.8
120 21.8 17.4 26.0





#23
Nitrobenzene-d5
Concen: 98.751 ng
RT: 9.451 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



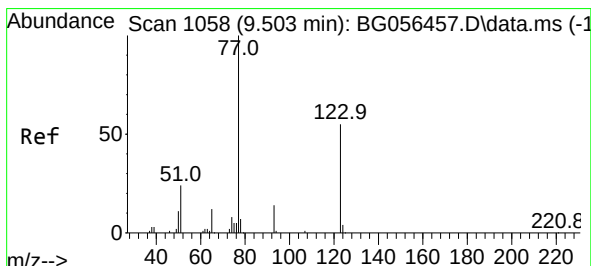
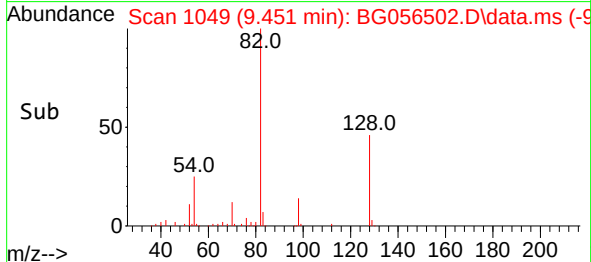
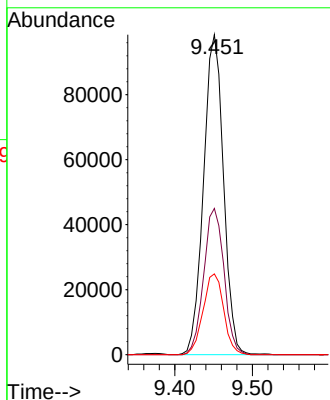
Tgt Ion: 82 Resp: 175805
Ion Ratio Lower Upper
82 100
128 45.7 39.4 59.2
54 25.2 21.4 32.2

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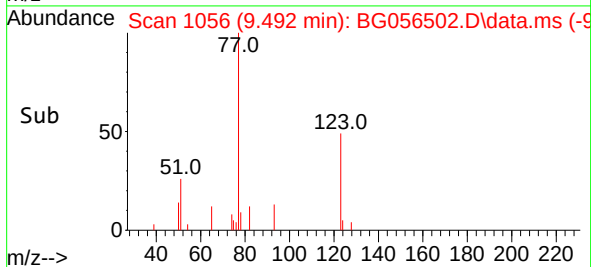
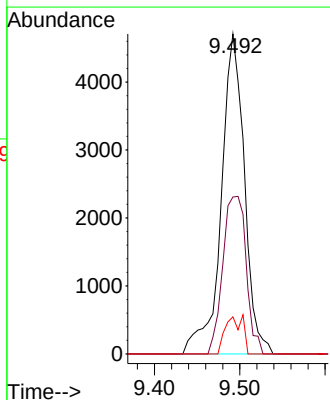
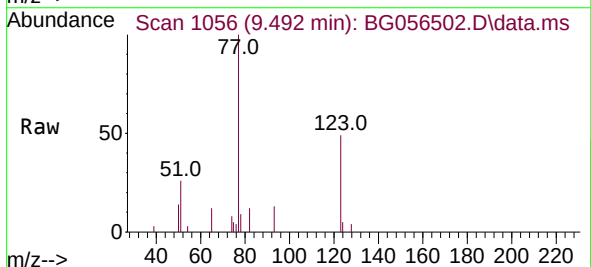
02/02/2023
Supervised By :Jagrut
Upadhyay

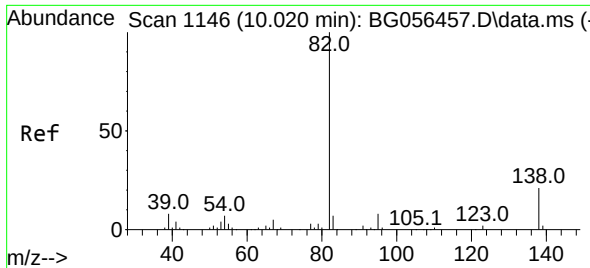
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#24
Nitrobenzene
Concen: 5.191 ng
RT: 9.492 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

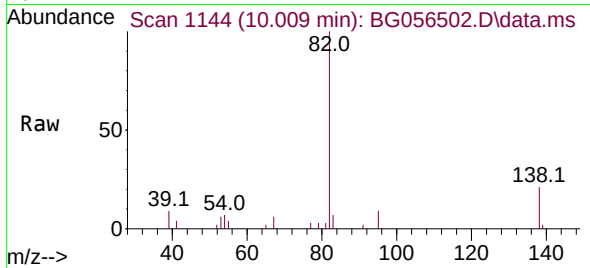
Tgt Ion: 77 Resp: 8914
Ion Ratio Lower Upper
77 100
123 49.0 44.0 66.0
65 11.6 9.7 14.5





#25
Isophorone
Concen: 4.427 ng
RT: 10.009 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



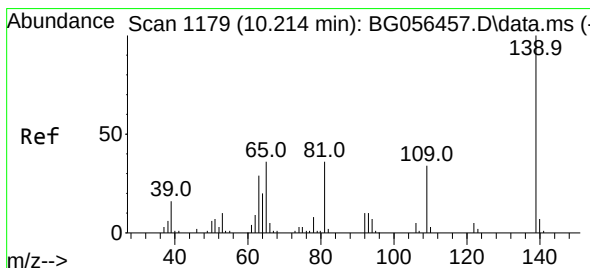
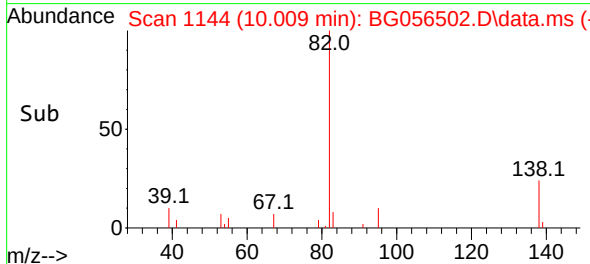
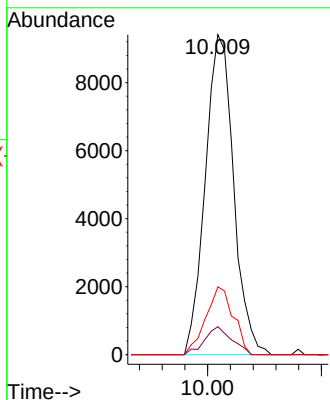
Tgt Ion: 82 Resp: 1626
Ion Ratio Lower Upper
82 100
95 8.7 6.3 9.5
138 21.2 16.6 25.0

Manual Integrations
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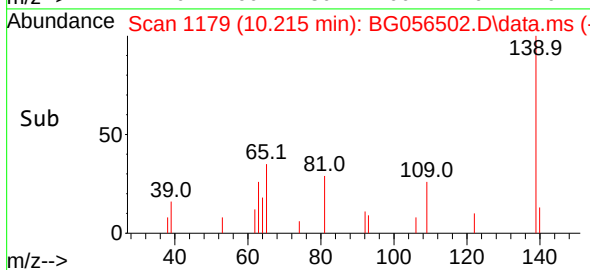
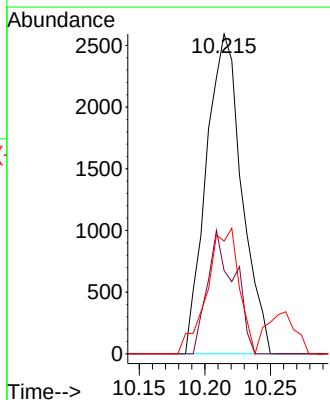
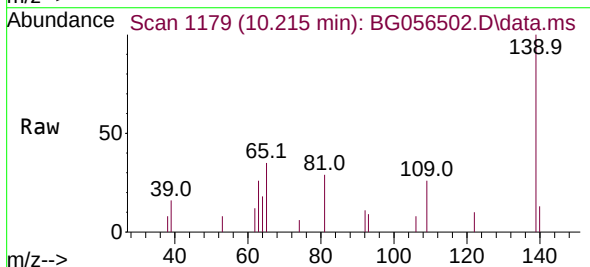
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Supervised By :Jagrut
Upadhyay

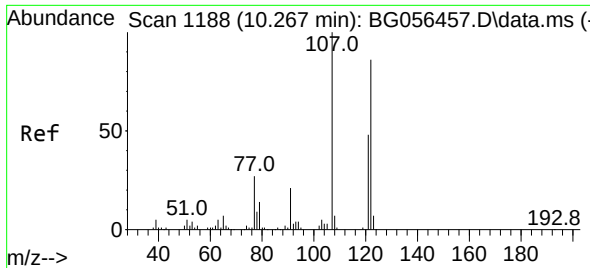
02/02/2023



#26
2-Nitrophenol
Concen: 4.683 ng
RT: 10.215 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

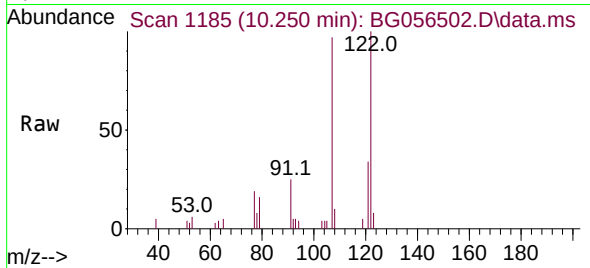
Tgt Ion:139 Resp: 4879
Ion Ratio Lower Upper
139 100
109 26.0 26.9 40.3#
65 35.3 29.0 43.4





#27
2,4-Dimethylphenol
Concen: 4.341 ng
RT: 10.250 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



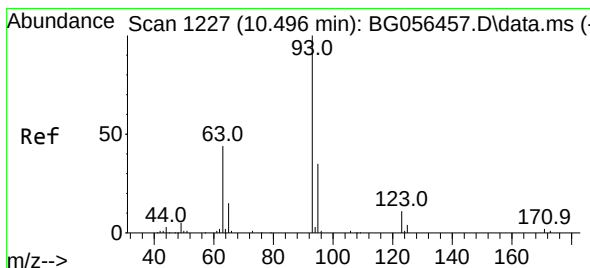
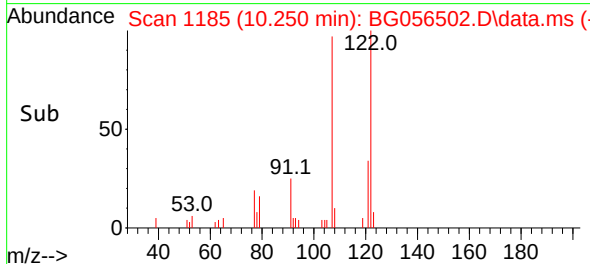
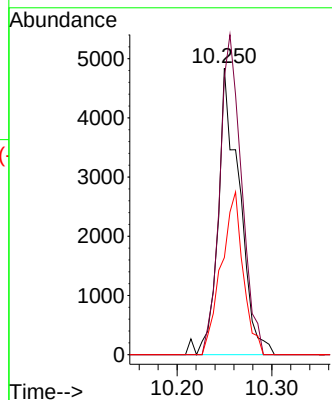
Tgt Ion:122 Resp: 7570
Ion Ratio Lower Upper
122 100
107 96.8 92.9 139.3
121 33.9 45.0 67.4

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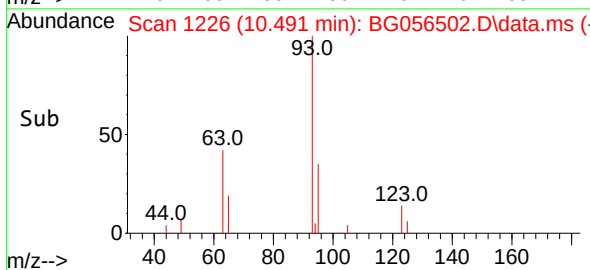
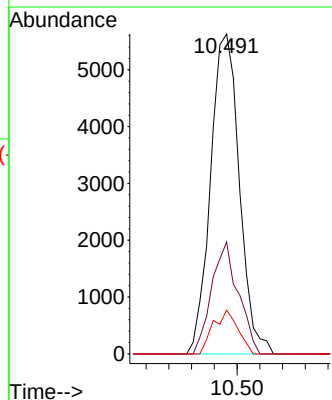
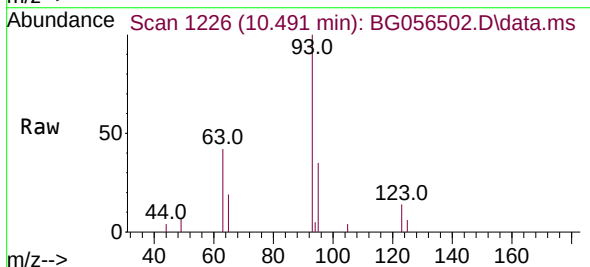
02/02/2023
Supervised By :Jagrut
Upadhyay

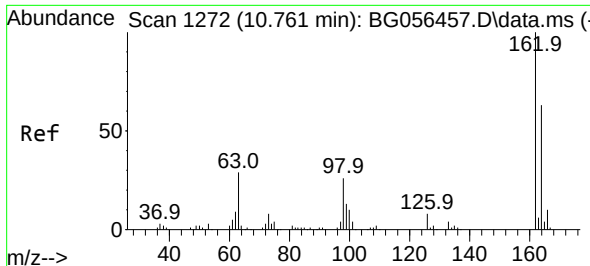
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#28
bis(2-Chloroethoxy)methane
Concen: 4.881 ng
RT: 10.491 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

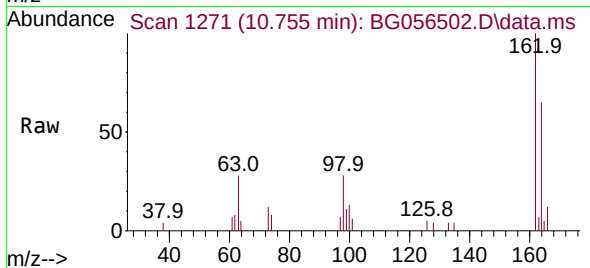
Tgt Ion: 93 Resp: 9903
Ion Ratio Lower Upper
93 100
95 35.0 27.9 41.9
123 13.7 8.6 12.8





#29
2,4-Dichlorophenol
Concen: 4.320 ng
RT: 10.755 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



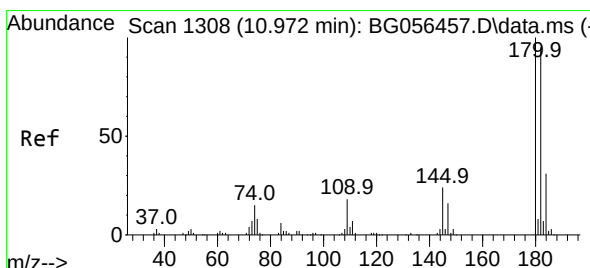
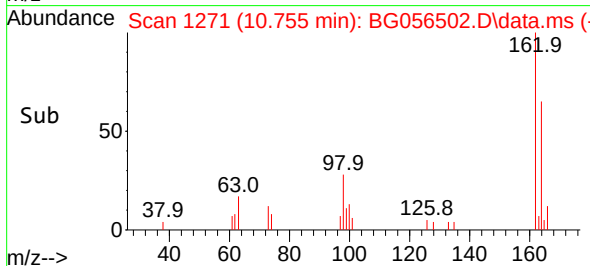
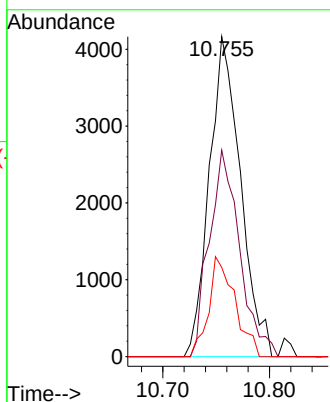
Tgt Ion:162 Resp: 8478
Ion Ratio Lower Upper
162 100
164 64.5 42.8 82.8
98 27.9 6.5 46.5

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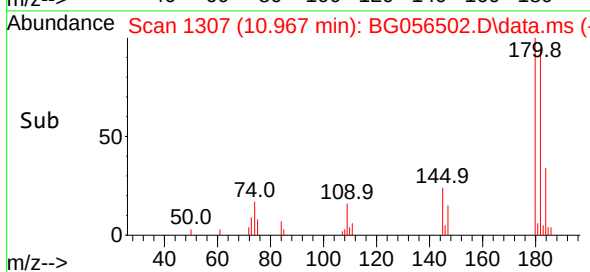
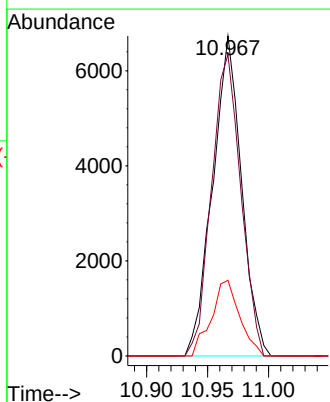
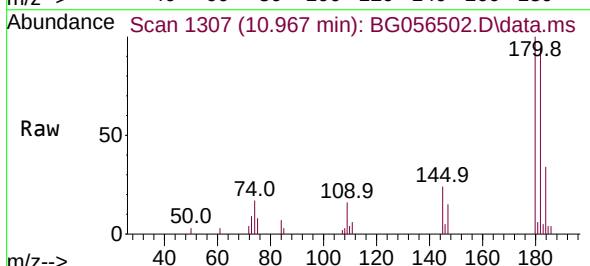
02/02/2023
Supervised By :Jagrut
Upadhyay

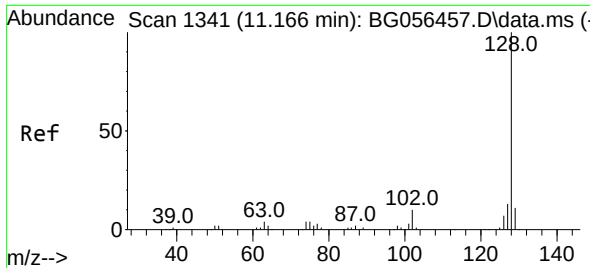
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#30
1,2,4-Trichlorobenzene
Concen: 5.088 ng
RT: 10.967 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

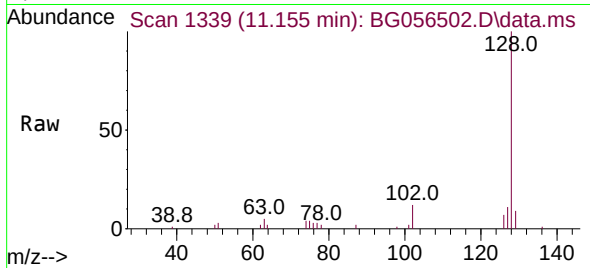
Tgt Ion:180 Resp: 11098
Ion Ratio Lower Upper
180 100
182 94.2 75.9 113.9
145 23.6 19.4 29.0





#31
Naphthalene
Concen: 4.947 ng
RT: 11.155 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



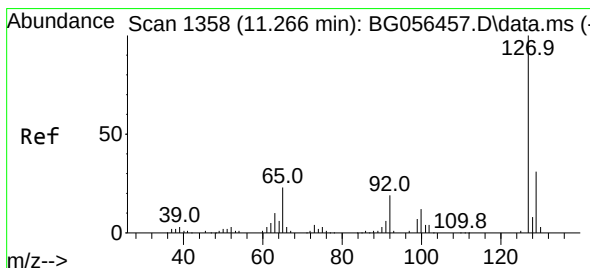
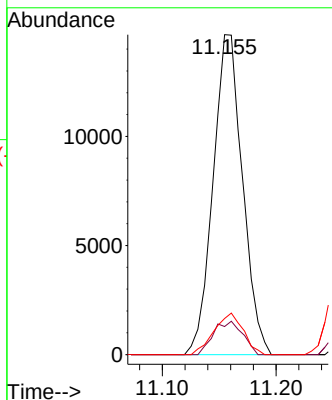
Tgt Ion:128 Resp: 2639
Ion Ratio Lower Upper
128 100
129 8.8 8.7 13.1
127 11.3 10.4 15.6

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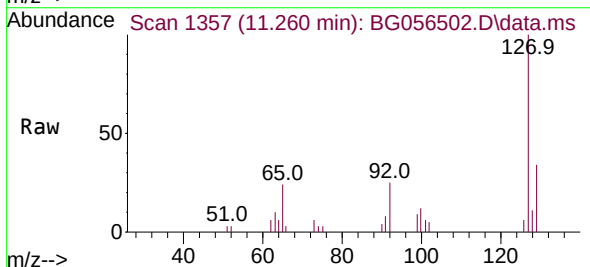
Reviewed By :Christian
Giraldo

02/02/2023
Supervised By :Jagrut
Upadhyay

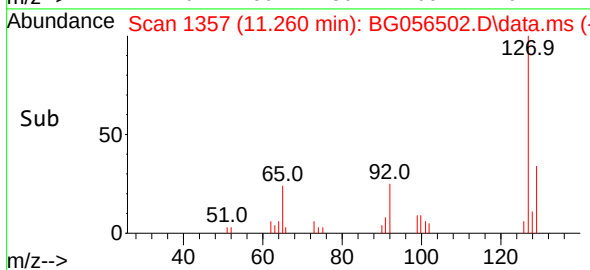
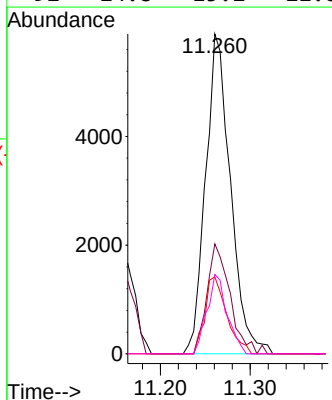
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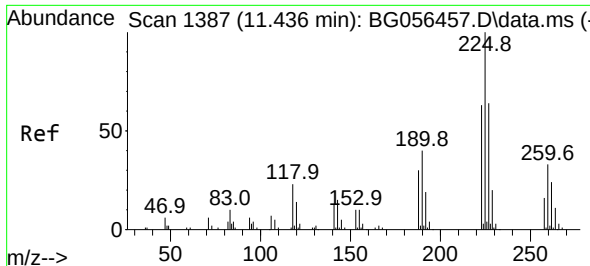


#33
4-Chloroaniline
Concen: 4.573 ng
RT: 11.260 min Scan# 1357
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21



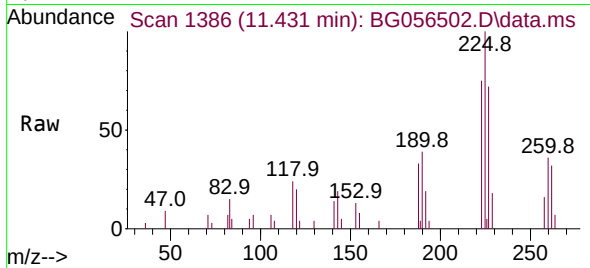
Tgt Ion:127 Resp: 11390
Ion Ratio Lower Upper
127 100
129 34.4 25.0 37.6
65 24.1 18.5 27.7
92 24.8 15.2 22.8#





#34
Hexachlorobutadiene
Concen: 5.108 ng
RT: 11.431 min Scan# 1482
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



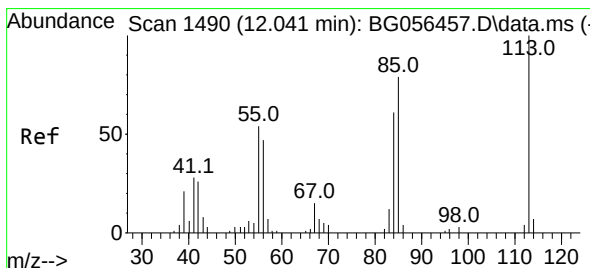
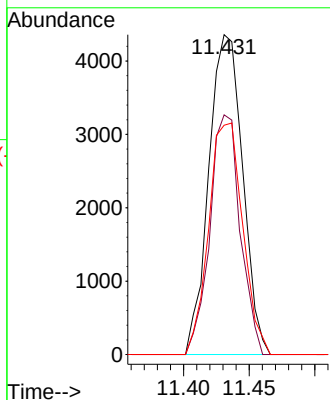
Tgt Ion:225 Resp: 7820
Ion Ratio Lower Upper
225 100
223 74.9 50.6 75.8
227 71.7 53.7 80.5

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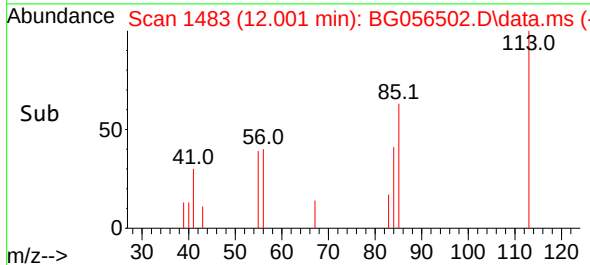
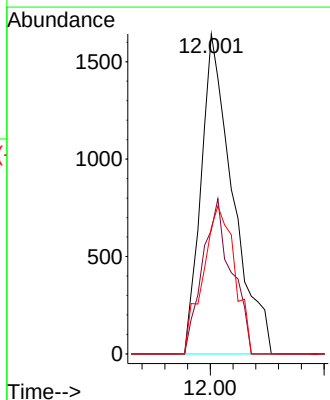
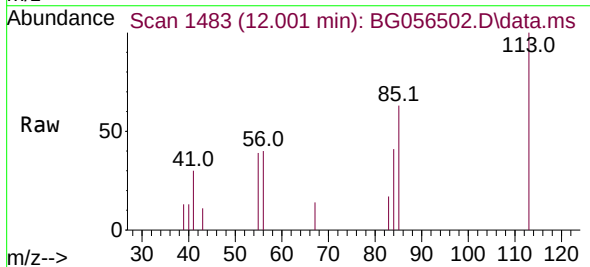
02/02/2023
Supervised By :Jagrut
Upadhyay

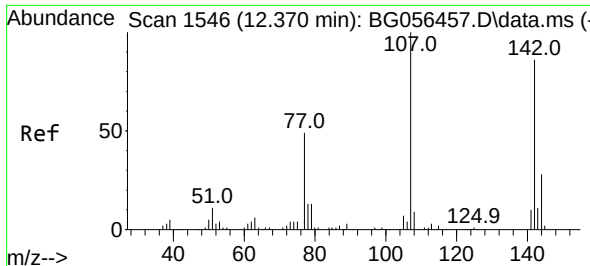
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#35
Caprolactam
Concen: 4.803 ng
RT: 12.001 min Scan# 1483
Delta R.T. -0.029 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

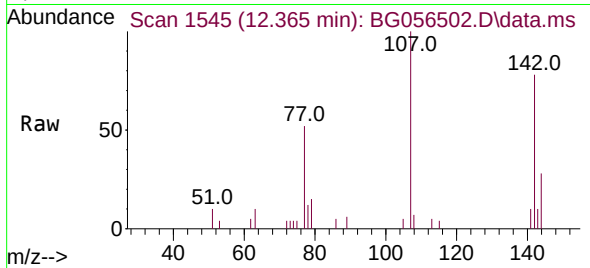
Tgt Ion:113 Resp: 3179
Ion Ratio Lower Upper
113 100
55 38.6 33.7 73.7
56 39.5 27.1 67.1





#36
4-Chloro-3-methylphenol
Concen: 4.211 ng
RT: 12.365 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



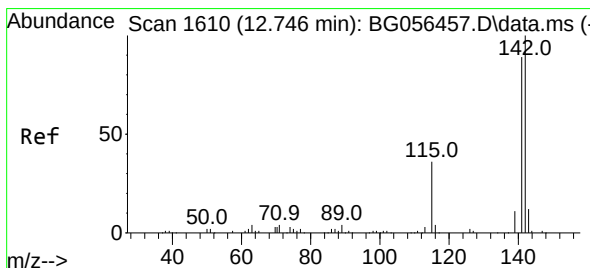
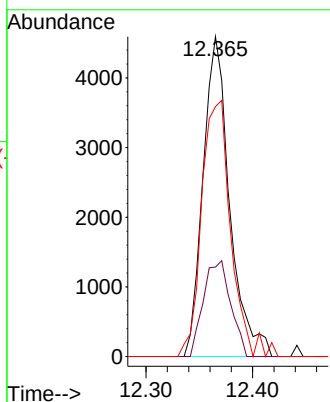
Tgt Ion:107 Resp: 798
Ion Ratio Lower Upper
107 100
144 28.0 22.3 33.5
142 78.1 68.9 103.3

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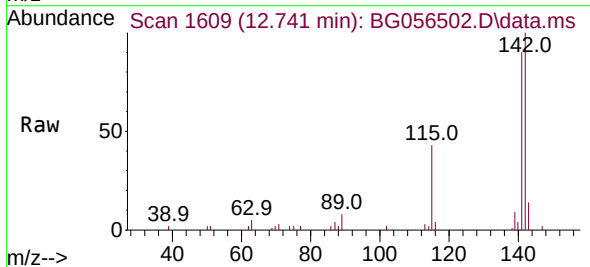
Reviewed By :Christian
Giraldo

02/02/2023
Supervised By :Jagrut
Upadhyay

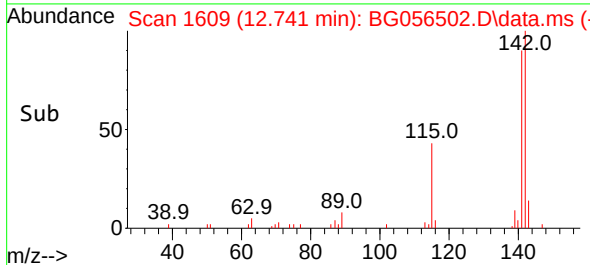
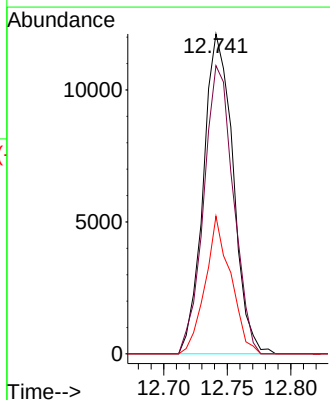
02/02/2023

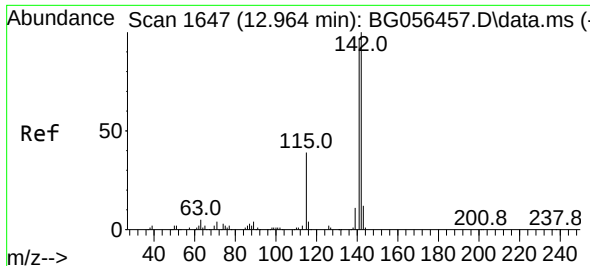


#37
2-Methylnaphthalene
Concen: 4.485 ng m
RT: 12.741 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21



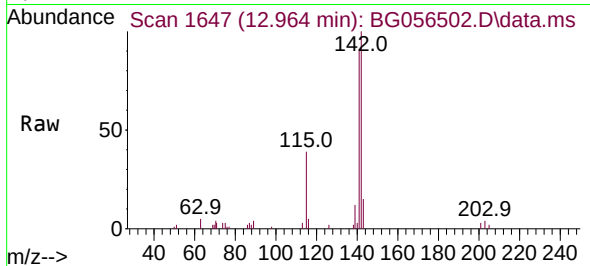
Tgt Ion:142 Resp: 19730
Ion Ratio Lower Upper
142 100
141 90.1 71.4 107.0
115 43.0 28.4 42.6#





#38
1-Methylnaphthalene
Concen: 4.677 ng m
RT: 12.964 min Scan# 1647
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



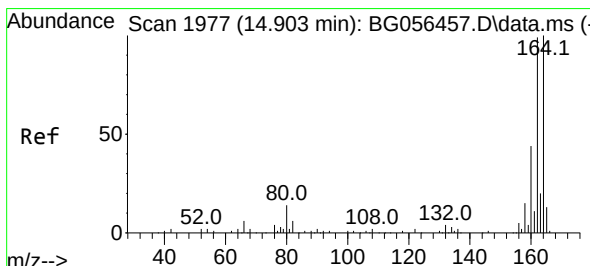
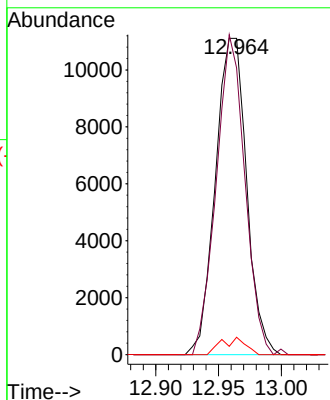
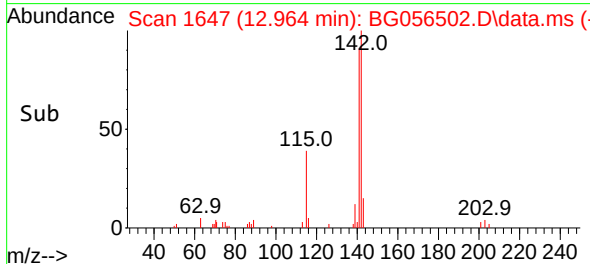
Tgt Ion:142 Resp: 19214
Ion Ratio Lower Upper
142 100
141 90.7 77.7 116.5
116 5.5 3.4 5.2

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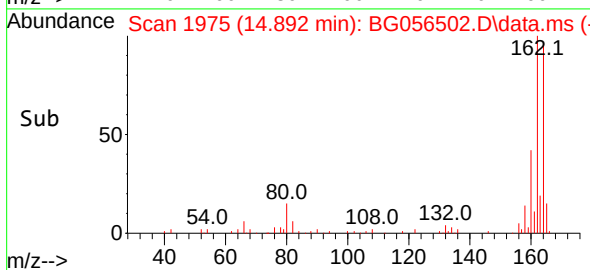
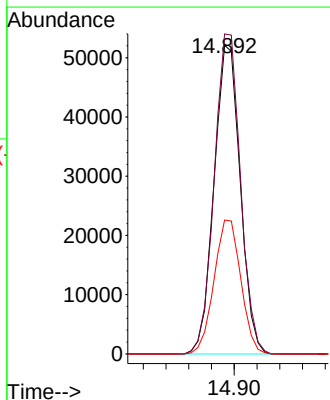
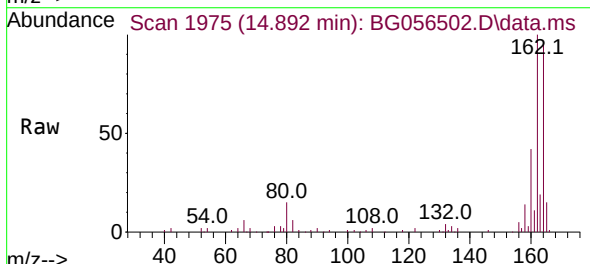
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Supervised By :Jagrut
Upadhyay

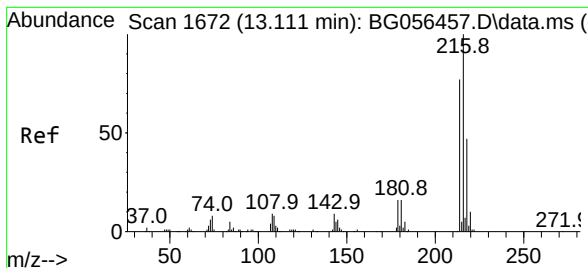
02/02/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.892 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

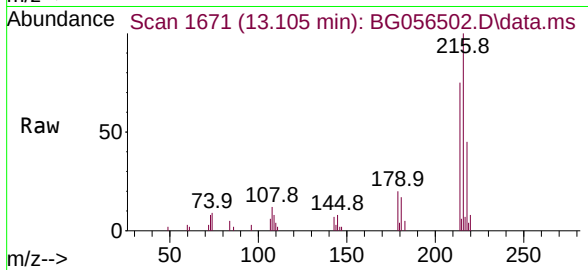
Tgt Ion:164 Resp: 83127
Ion Ratio Lower Upper
164 100
162 103.7 79.6 119.4
160 43.4 34.9 52.3





#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.160 ng
RT: 13.105 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



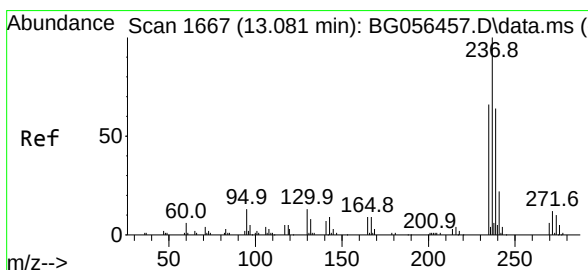
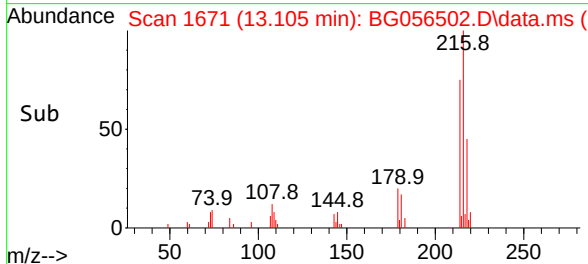
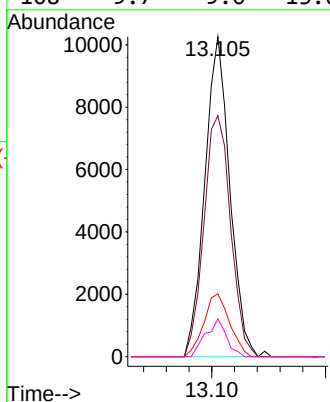
Tgt Ion:216 Resp: 1567
Ion Ratio Lower Upper
216 100
214 80.1 63.0 94.6
179 20.2 14.1 21.1
108 9.7 9.0 13.6

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Reviewed By :Christian
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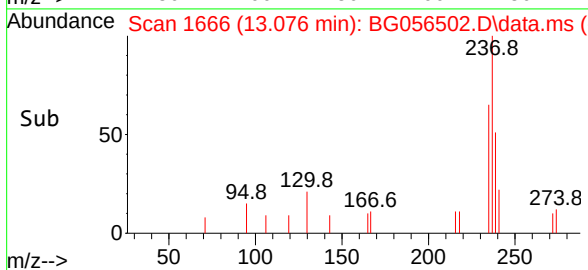
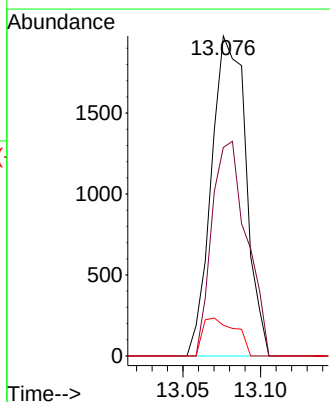
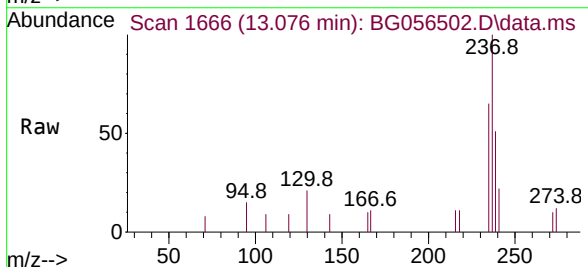
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Supervised By :Jagrut
Upadhyay

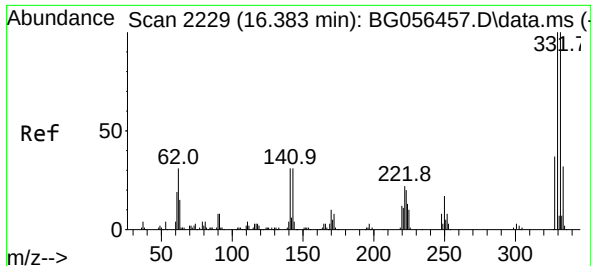
02/02/2023



#41
Hexachlorocyclopentadiene
Concen: 8.120 ng
RT: 13.076 min Scan# 1666
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

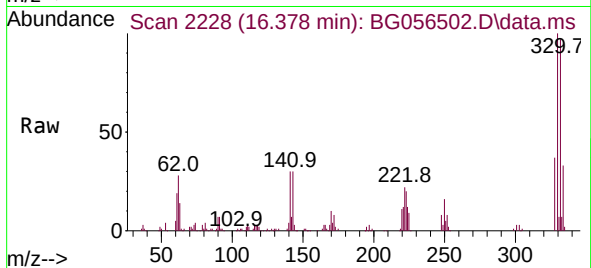
Tgt Ion:237 Resp: 3058
Ion Ratio Lower Upper
237 100
235 65.1 45.6 85.6
272 9.6 0.0 32.3





#42
2,4,6-Tribromophenol
Concen: 132.974 ng
RT: 16.378 min Scan# 2229
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



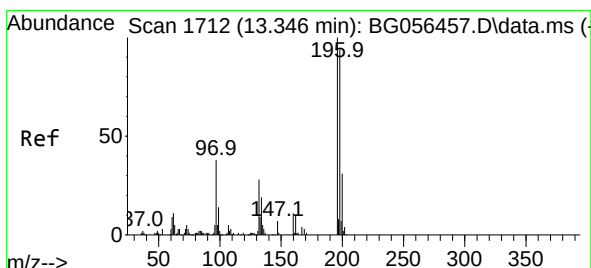
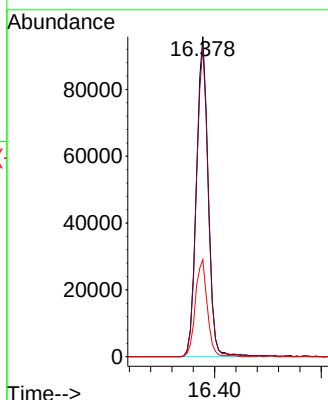
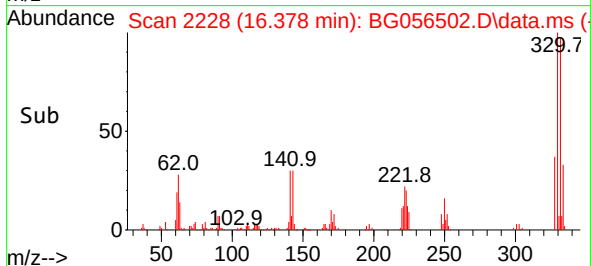
Tgt Ion:330 Resp: 146953
Ion Ratio Lower Upper
330 100
332 96.5 79.0 118.6
141 30.6 24.2 36.4

Manual Integrations
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Reviewed By :Christian
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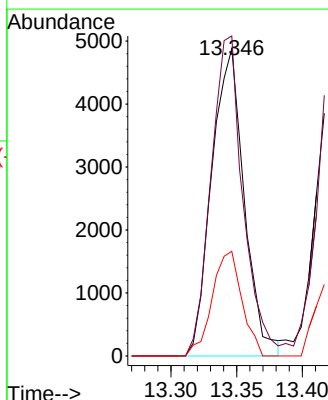
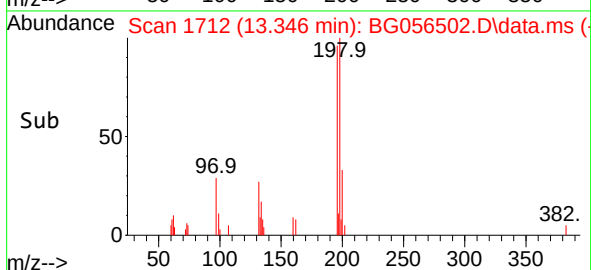
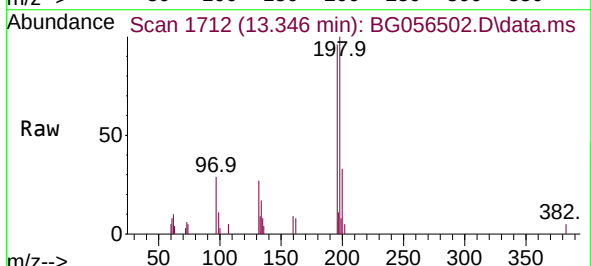
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Upadhyay

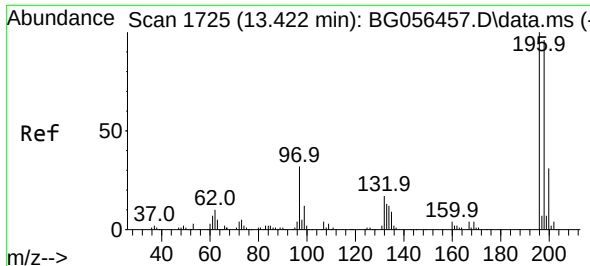
02/02/2023



#43
2,4,6-Trichlorophenol
Concen: 4.295 ng
RT: 13.346 min Scan# 1712
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

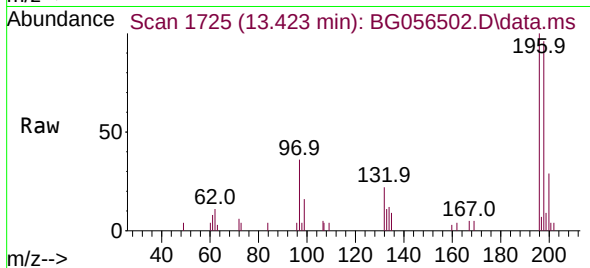
Tgt Ion:196 Resp: 8406
Ion Ratio Lower Upper
196 100
198 104.2 75.4 113.0
200 34.0 25.0 37.6





#44
2,4,5-Trichlorophenol
Concen: 3.801 ng
RT: 13.423 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



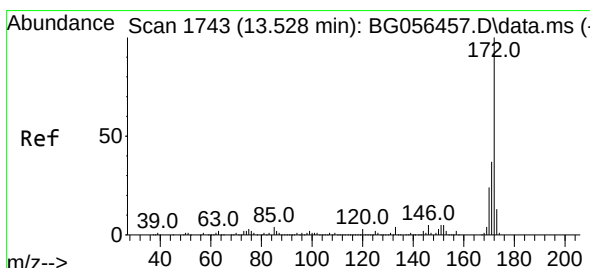
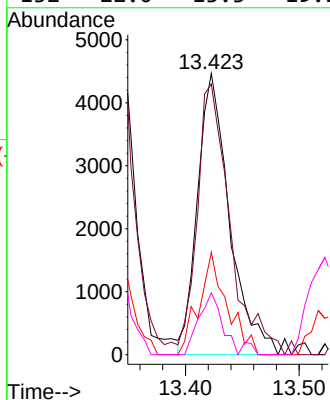
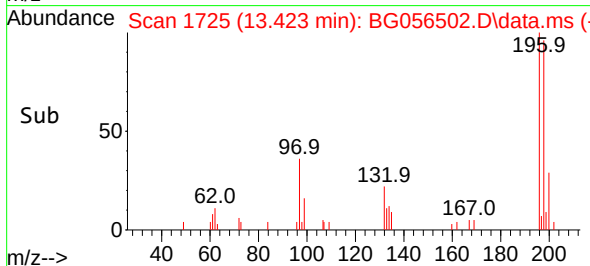
Tgt Ion:196 Resp: 8709
Ion Ratio Lower Upper
196 100
198 105.6 76.9 115.3
97 36.4 25.8 38.6
132 22.0 13.3 19.9#

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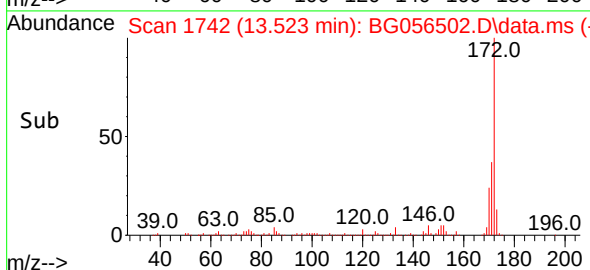
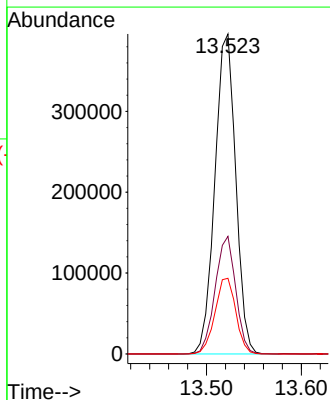
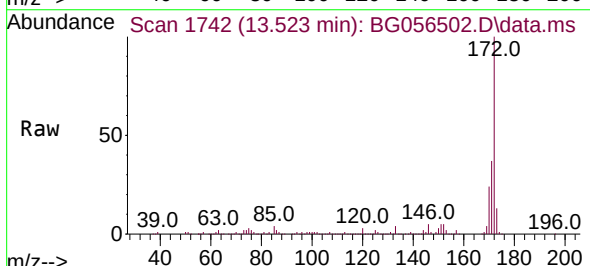
02/02/2023
Supervised By :Jagrut
Upadhyay

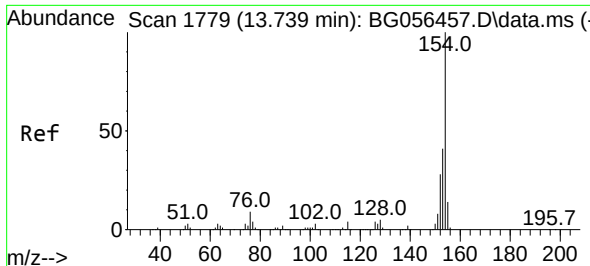
02/02/2023



#45
2-Fluorobiphenyl
Concen: 100.675 ng
RT: 13.523 min Scan# 1742
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

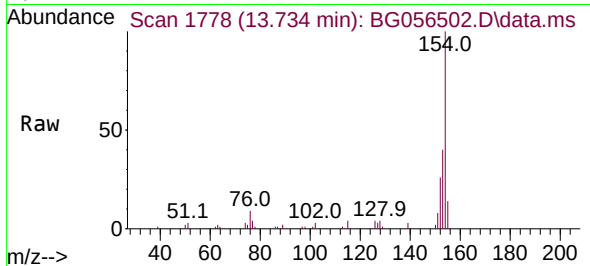
Tgt Ion:172 Resp: 603625
Ion Ratio Lower Upper
172 100
171 36.7 29.5 44.3
170 23.6 19.2 28.8





#46
1,1'-Biphenyl
Concen: 4.967 ng
RT: 13.734 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



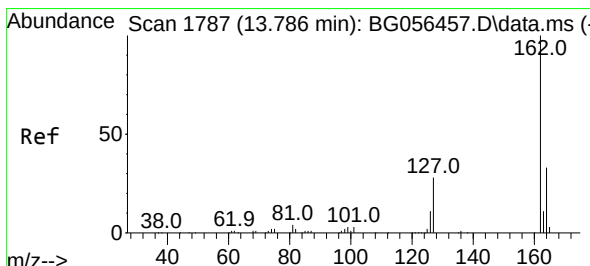
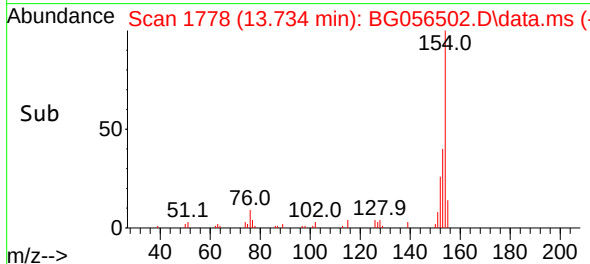
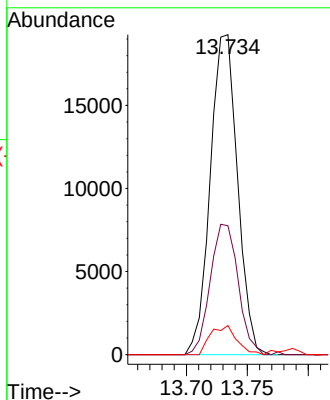
Tgt Ion:154 Resp: 29948
Ion Ratio Lower Upper
154 100
153 40.3 21.5 61.5
76 9.1 0.0 28.8

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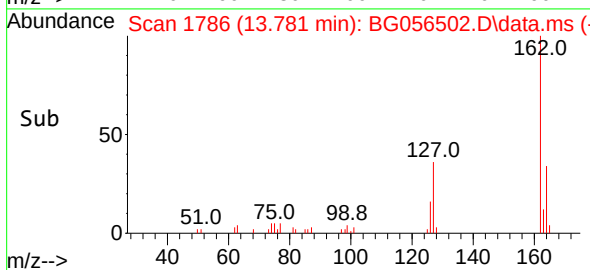
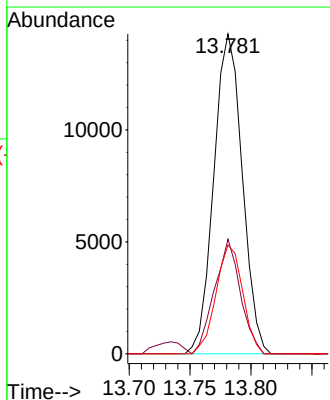
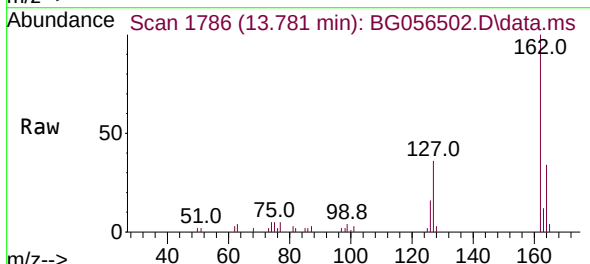
02/02/2023
Supervised By :Jagrut
Upadhyay

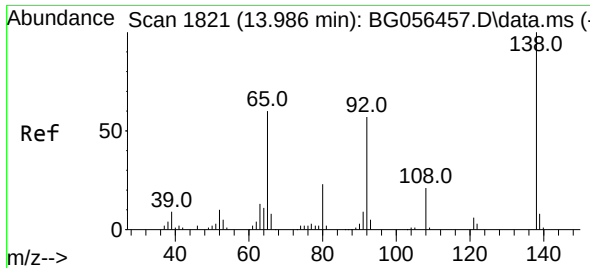
02/02/2023



#47
2-Chloronaphthalene
Concen: 4.919 ng
RT: 13.781 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

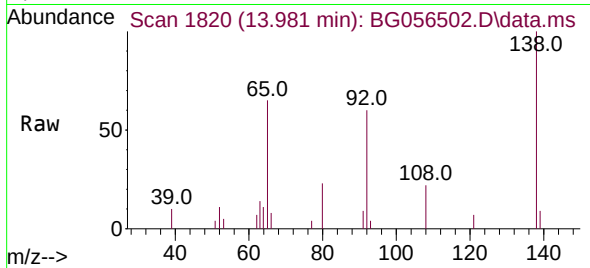
Tgt Ion:162 Resp: 23183
Ion Ratio Lower Upper
162 100
127 35.8 25.2 37.8
164 34.0 26.2 39.2





#48
2-Nitroaniline
Concen: 3.985 ng
RT: 13.981 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



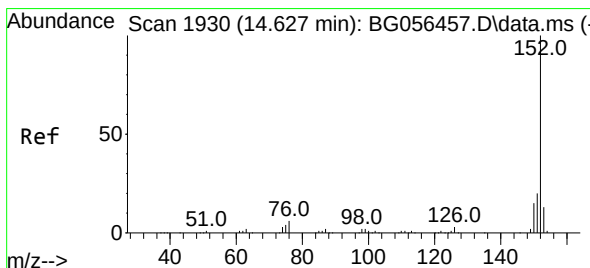
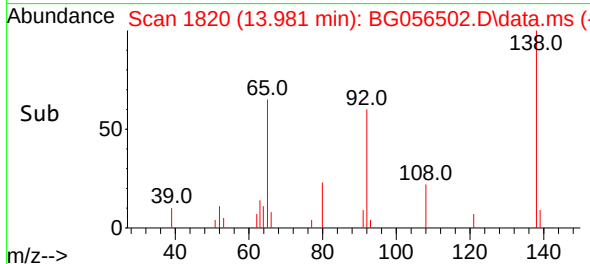
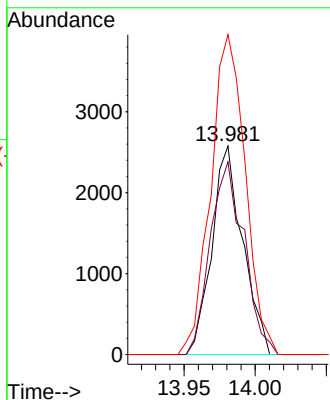
Tgt Ion: 65 Resp: 3882
Ion Ratio Lower Upper
65 100
92 92.4 75.8 113.6
138 153.5 133.2 199.8

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Reviewed By :Christian
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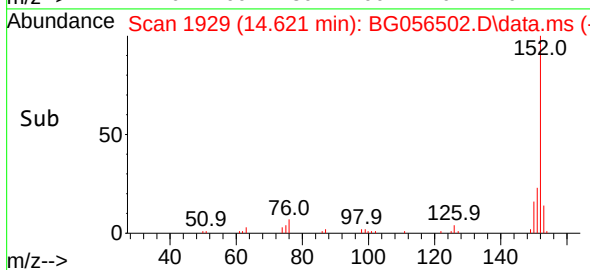
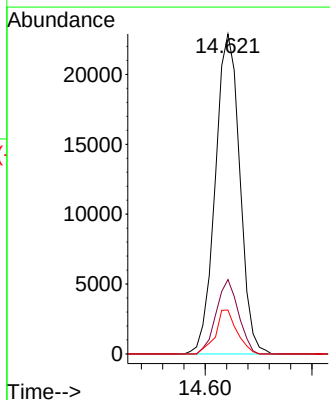
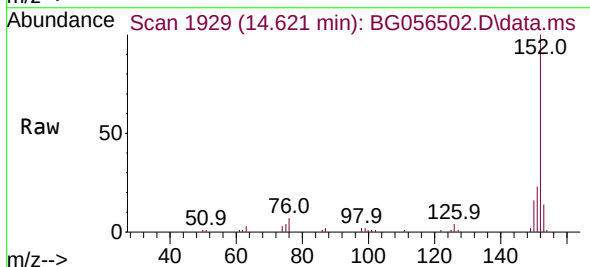
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Supervised By :Jagrut
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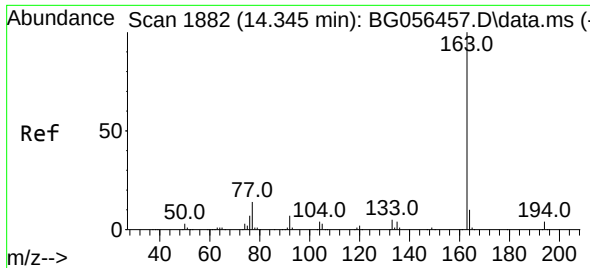
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#49
Acenaphthylene
Concen: 4.764 ng
RT: 14.621 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

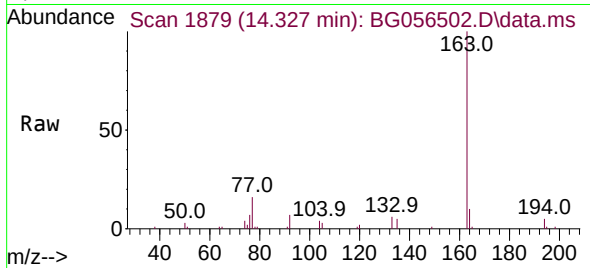
Tgt Ion:152 Resp: 36525
Ion Ratio Lower Upper
152 100
151 23.2 15.9 23.9
153 13.7 10.5 15.7





#50
Dimethylphthalate
Concen: 4.770 ng
RT: 14.327 min Scan# 1882
Delta R.T. -0.011 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



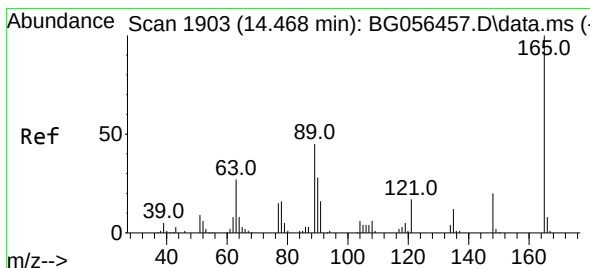
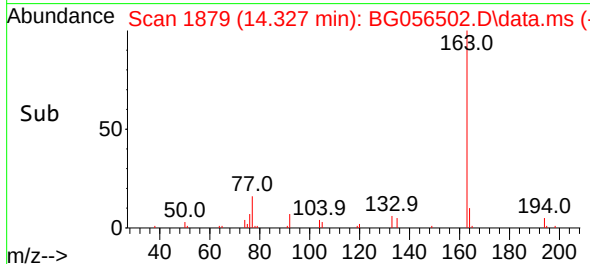
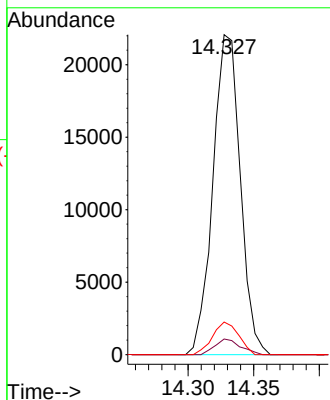
Tgt Ion:163 Resp: 32076
Ion Ratio Lower Upper
163 100
194 4.9 3.5 5.3
164 10.2 8.1 12.1

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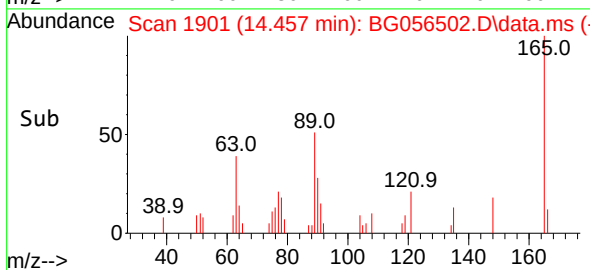
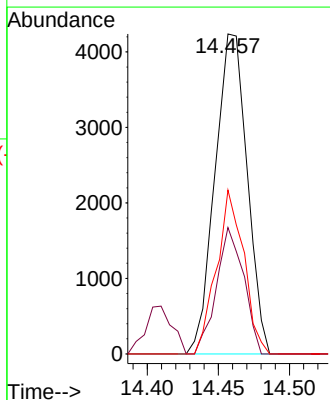
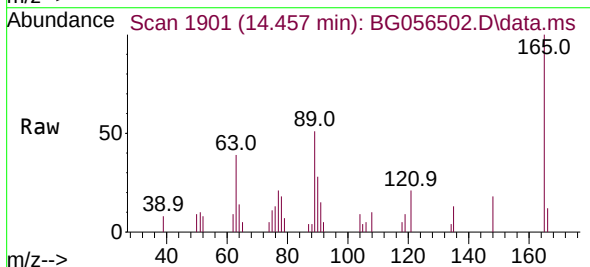
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Upadhyay

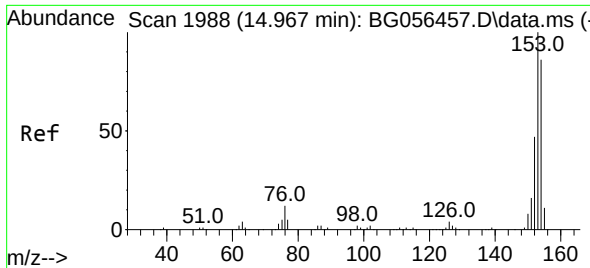
02/02/2023



#51
2,6-Dinitrotoluene
Concen: 4.551 ng
RT: 14.457 min Scan# 1901
Delta R.T. -0.011 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

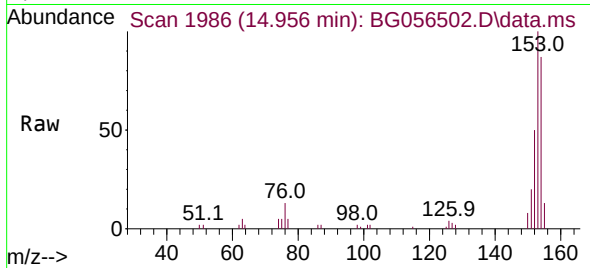
Tgt Ion:165 Resp: 6674
Ion Ratio Lower Upper
165 100
63 39.5 26.9 40.3
89 51.2 35.6 53.4





#52
Acenaphthene
Concen: 4.753 ng
RT: 14.956 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



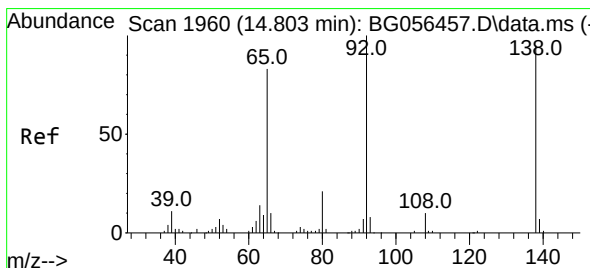
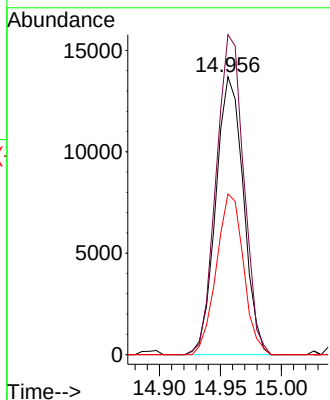
Tgt Ion:154 Resp: 21612
Ion Ratio Lower Upper
154 100
153 115.2 93.4 140.0
152 57.8 43.4 65.2

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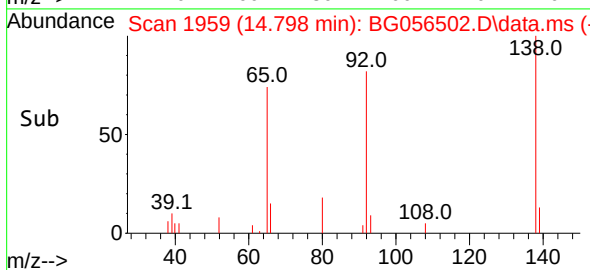
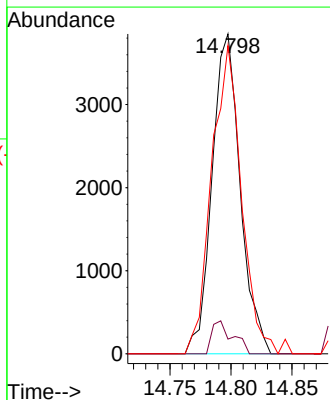
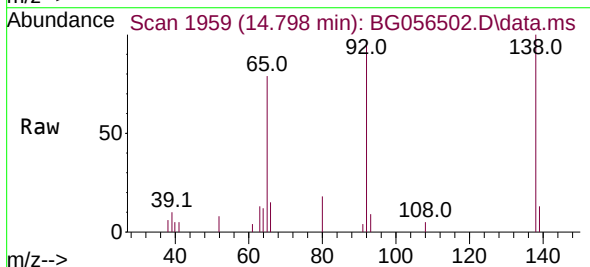
02/02/2023
Supervised By :Jagrut
Upadhyay

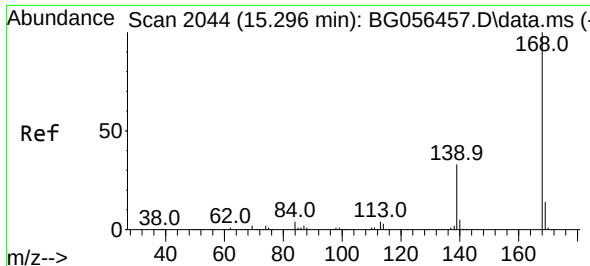
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#53
3-Nitroaniline
Concen: 4.354 ng
RT: 14.798 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

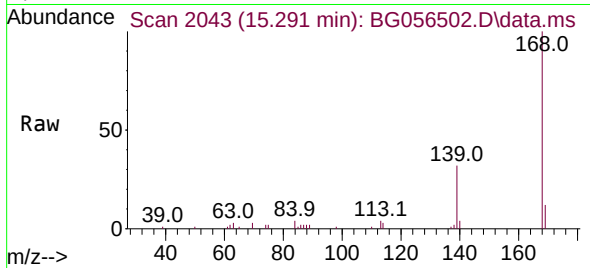
Tgt Ion:138 Resp: 6191
Ion Ratio Lower Upper
138 100
108 4.6 8.0 12.0#
92 96.3 84.1 126.1





#55
Dibenzenofuran
Concen: 4.957 ng
RT: 15.291 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



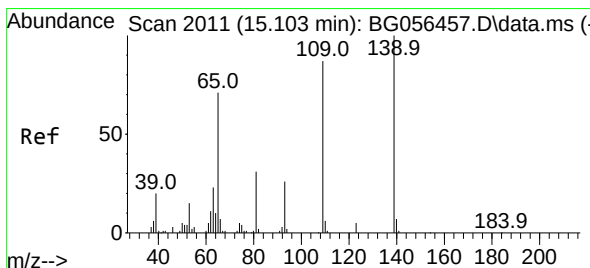
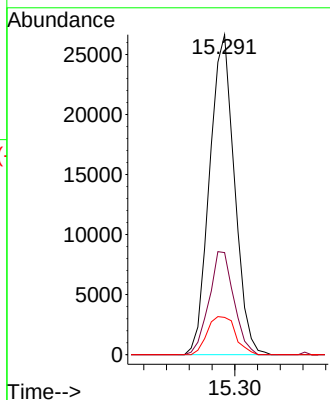
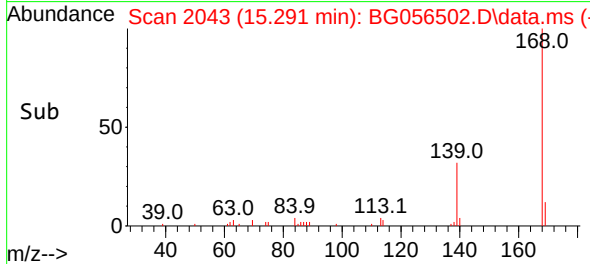
Tgt Ion:168 Resp: 40421
Ion Ratio Lower Upper
168 100
139 31.9 26.2 39.2
169 11.6 11.0 16.6

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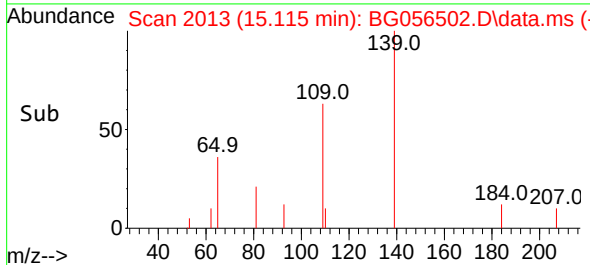
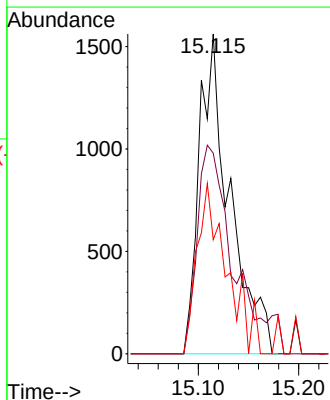
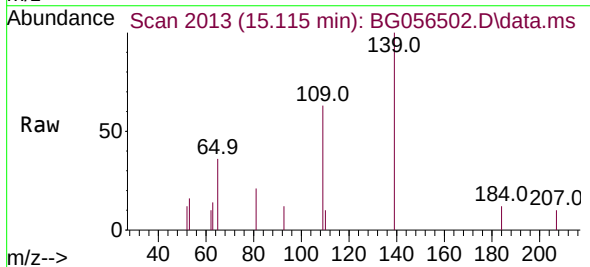
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Supervised By :Jagrut
Upadhyay

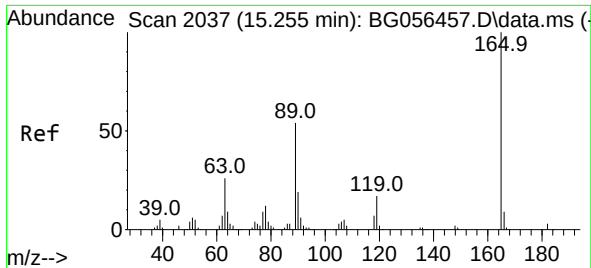
02/02/2023



#56
4-Nitrophenol
Concen: 3.403 ng
RT: 15.115 min Scan# 2013
Delta R.T. 0.018 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

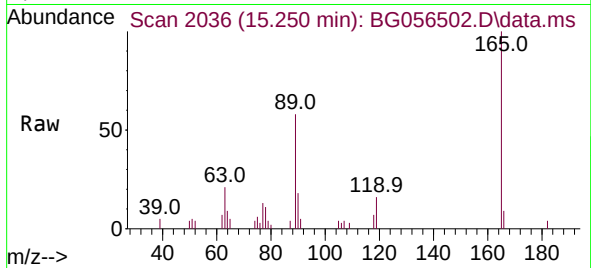
Tgt Ion:139 Resp: 3306
Ion Ratio Lower Upper
139 100
109 62.7 67.5 107.5#
65 35.7 50.7 90.7#





#57
2,4-Dinitrotoluene
Concen: 4.538 ng
RT: 15.250 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



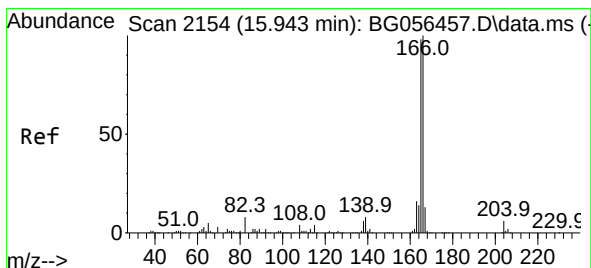
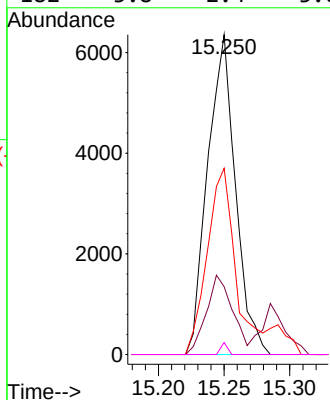
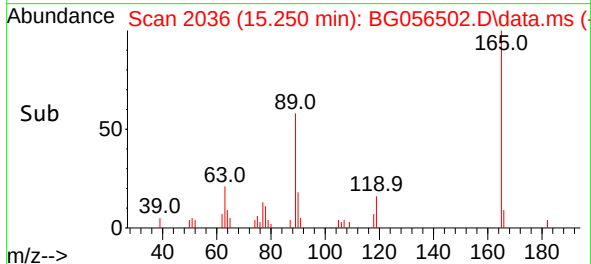
Tgt Ion:165 Resp: 9374
Ion Ratio Lower Upper
165 100
63 21.2 20.6 31.0
89 58.2 43.1 64.7
182 3.8 2.4 3.6#

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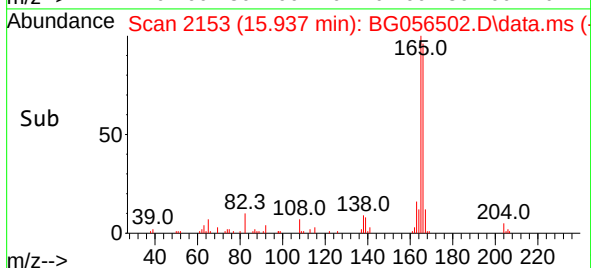
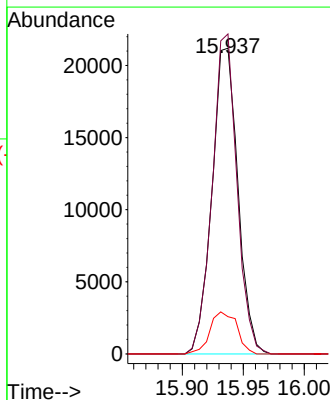
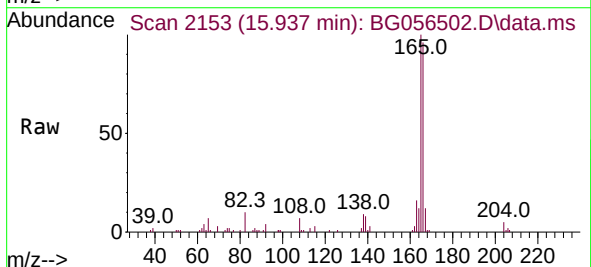
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Supervised By :Jagrut
Upadhyay

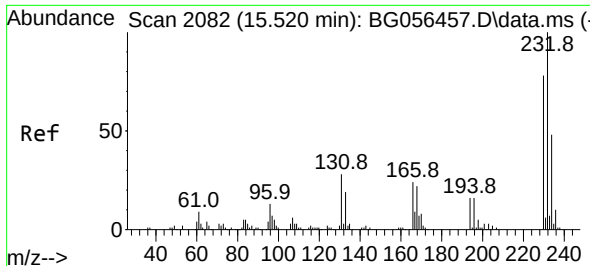
02/02/2023



#58
Fluorene
Concen: 4.845 ng
RT: 15.937 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

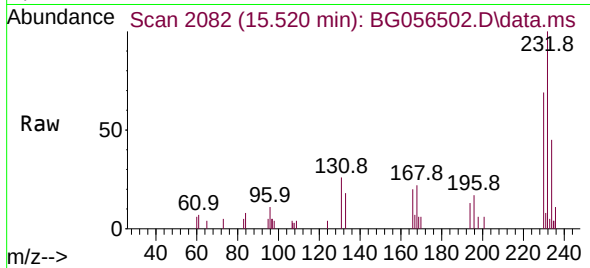
Tgt Ion:166 Resp: 31436
Ion Ratio Lower Upper
166 100
165 104.7 78.8 118.2
167 12.2 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.330 ng m
RT: 15.520 min Scan# 2082
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



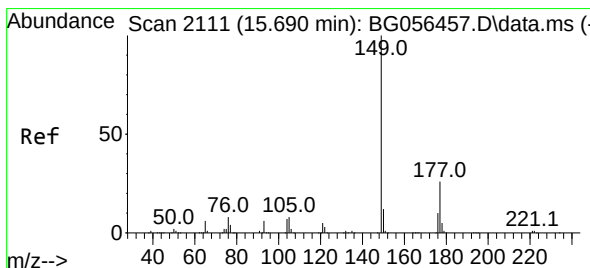
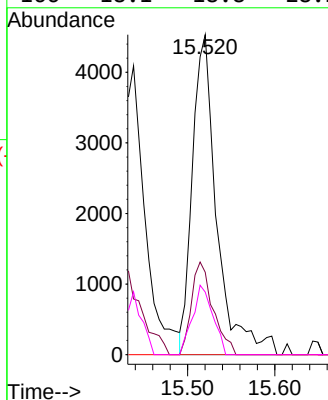
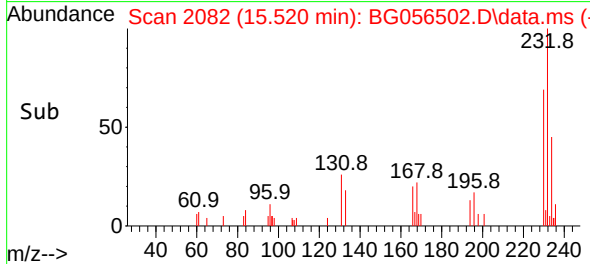
Tgt Ion:232 Resp: 8821
Ion Ratio Lower Upper
232 100
131 25.6 22.8 34.2
130 0.0 1.4 2.0
166 18.1 18.8 28.2

Manual Integrations
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Reviewed By :Christian
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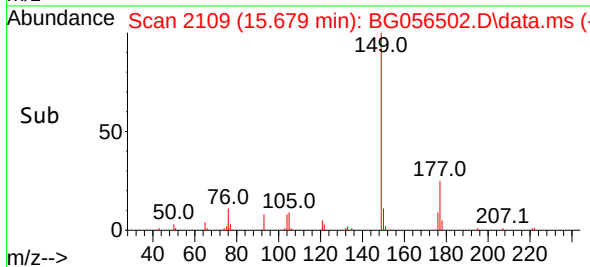
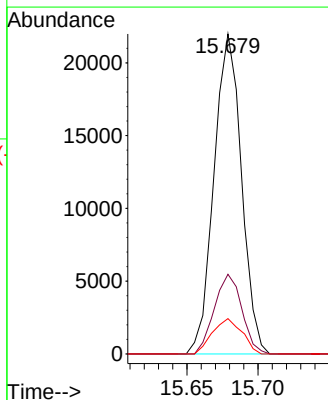
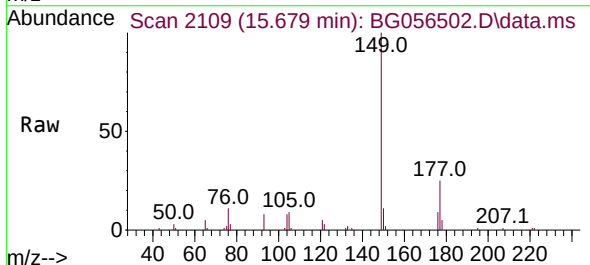
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Supervised By :Jagrut
Upadhyay

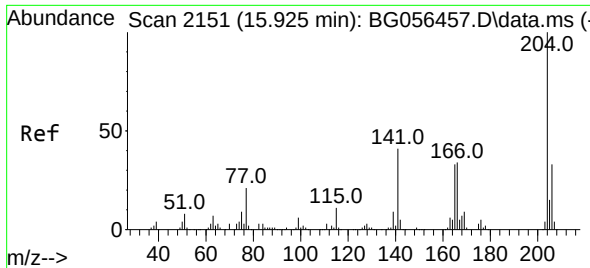
02/02/2023



#60
Diethylphthalate
Concen: 4.681 ng
RT: 15.679 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

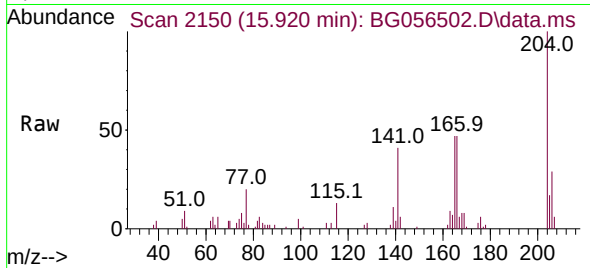
Tgt Ion:149 Resp: 29559
Ion Ratio Lower Upper
149 100
177 24.9 21.0 31.4
150 11.0 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 4.810 ng
RT: 15.920 min Scan# 2151
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



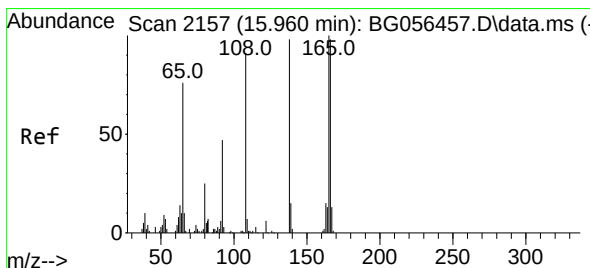
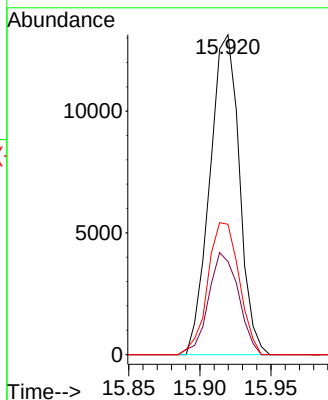
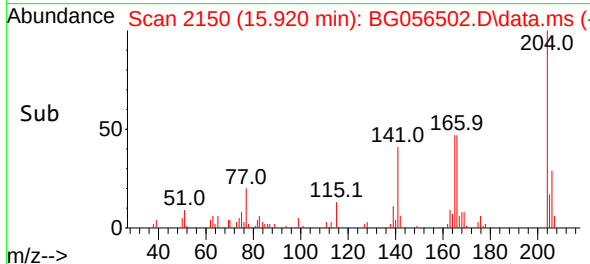
Tgt Ion:204 Resp: 19045
Ion Ratio Lower Upper
204 100
206 29.1 26.2 39.4
141 40.7 32.7 49.1

Manual Integrations
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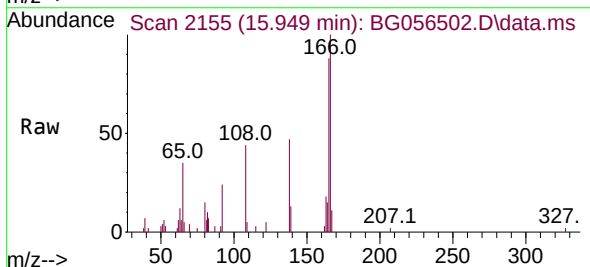
Reviewed By :Christian
Giraldo

02/02/2023
Supervised By :Jagrut
Upadhyay

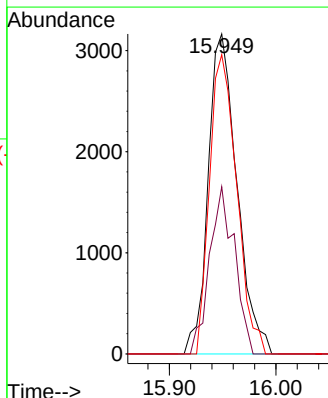
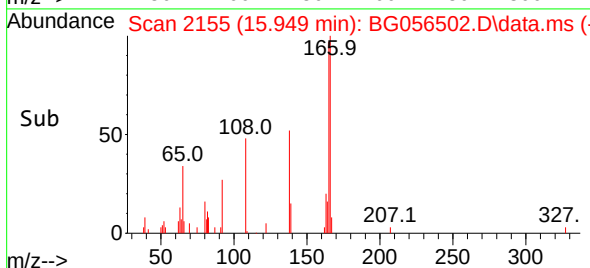
02/02/2023

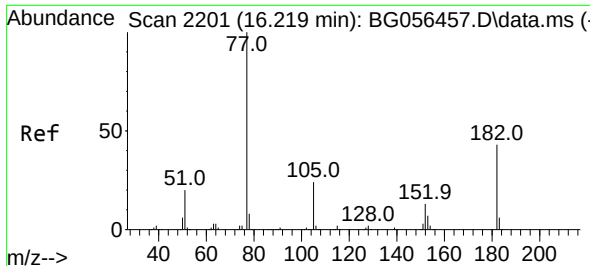


#62
4-Nitroaniline
Concen: 4.167 ng
RT: 15.949 min Scan# 2155
Delta R.T. -0.011 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21



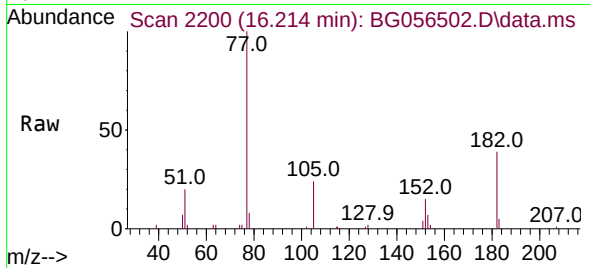
Tgt Ion:138 Resp: 5929
Ion Ratio Lower Upper
138 100
92 52.2 27.8 67.8
108 93.5 72.6 112.6





#63
Azobenzene
Concen: 4.801 ng
RT: 16.214 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



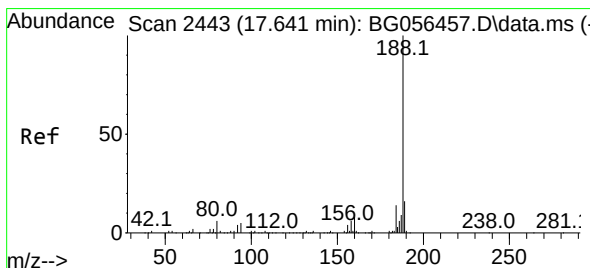
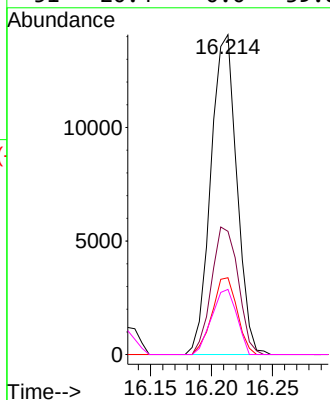
Tgt Ion: 77 Resp: 20862
Ion Ratio Lower Upper
77 100
182 38.5 23.1 63.1
105 24.0 4.2 44.2
51 20.4 0.0 39.8

Manual Integrations
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Reviewed By :Christian
Giraldo

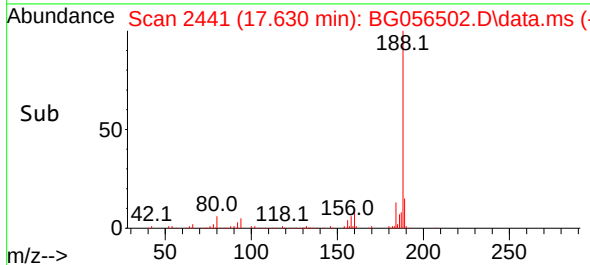
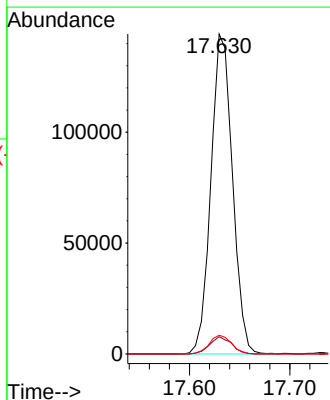
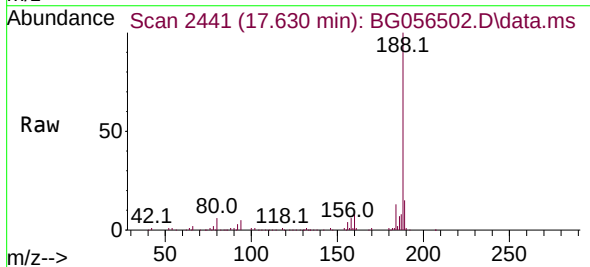
02/02/2023
Supervised By :Jagrut
Upadhyay

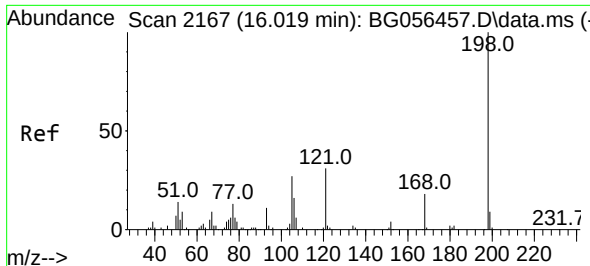
02/02/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.630 min Scan# 2441
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

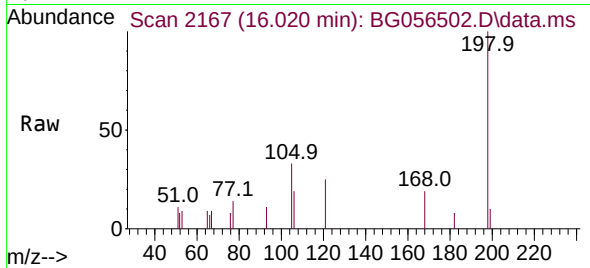
Tgt Ion:188 Resp: 215566
Ion Ratio Lower Upper
188 100
94 5.4 4.1 6.1
80 5.8 5.0 7.4





#65
4,6-Dinitro-2-methylphenol
Concen: 2.961 ng
RT: 16.020 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



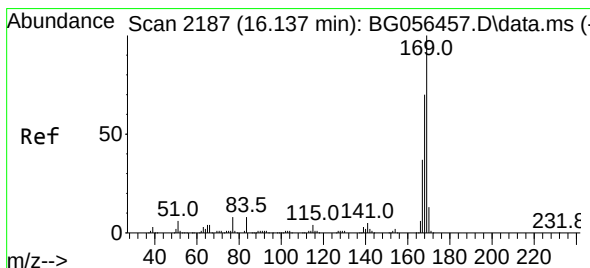
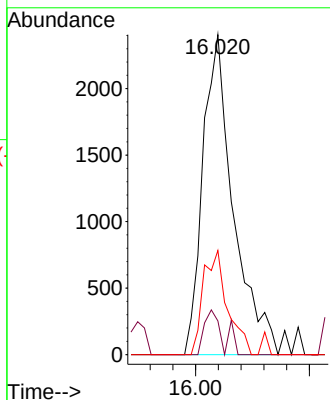
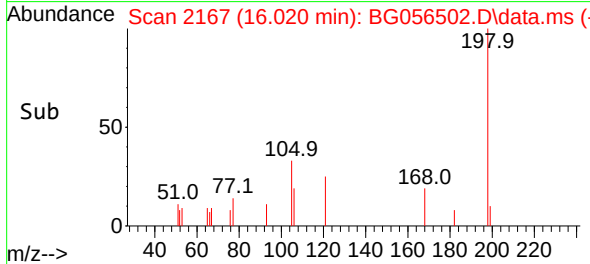
Tgt Ion:198 Resp: 4488
Ion Ratio Lower Upper
198 100
51 10.6 0.0 35.0
105 32.5 7.4 47.4

Manual Integrations
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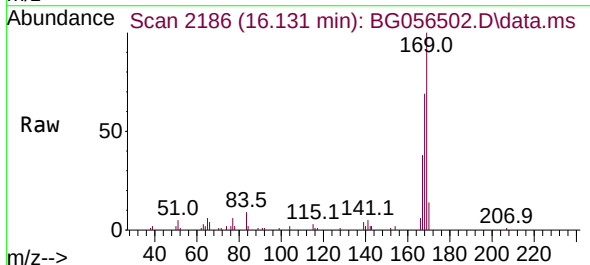
Reviewed By :Christian
Giraldo

02/02/2023
Supervised By :Jagrut
Upadhyay

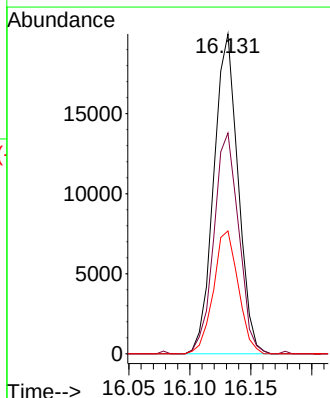
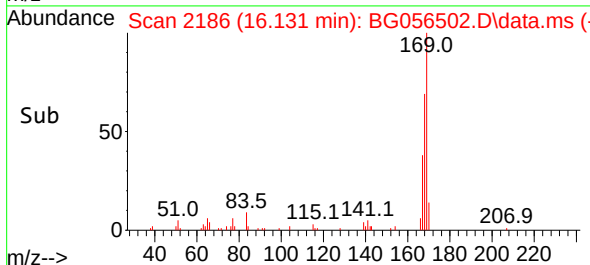
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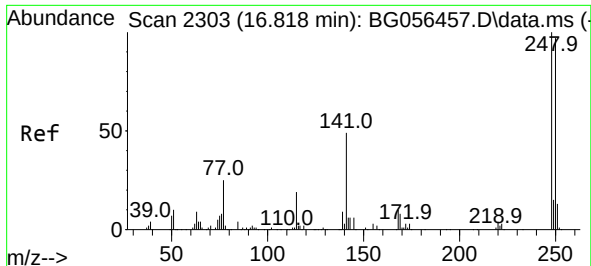


#66
n-Nitrosodiphenylamine
Concen: 4.540 ng
RT: 16.131 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21



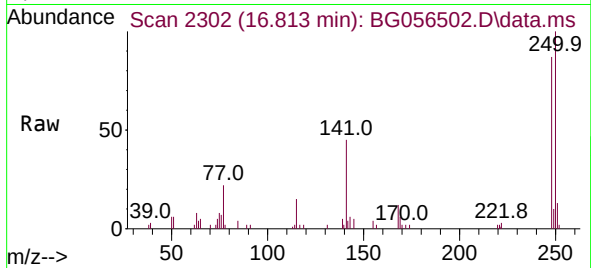
Tgt Ion:169 Resp: 27712
Ion Ratio Lower Upper
169 100
168 69.0 55.8 83.6
167 38.4 29.8 44.8





#67
4-Bromophenyl-phenylether
Concen: 4.731 ng
RT: 16.813 min Scan# 2303
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



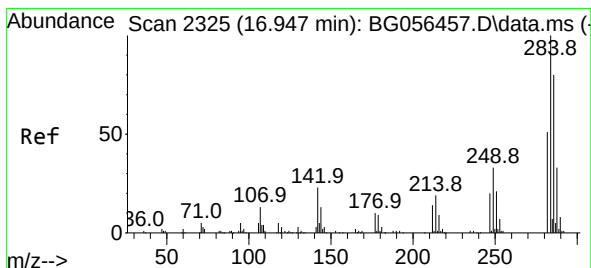
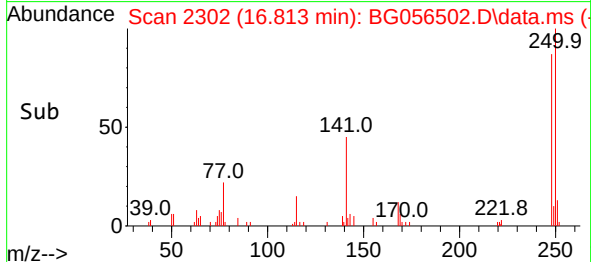
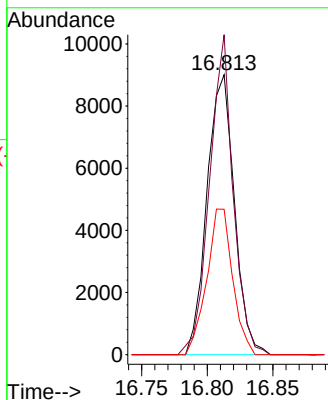
Tgt Ion:248 Resp: 13052
Ion Ratio Lower Upper
248 100
250 114.3 77.6 116.4
141 51.9 39.0 58.4

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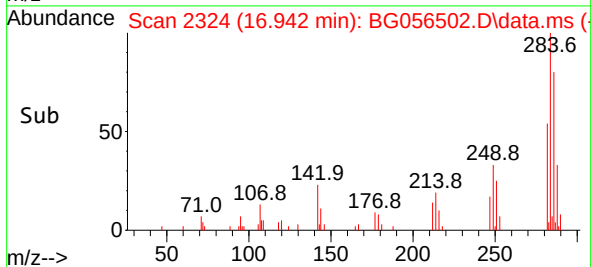
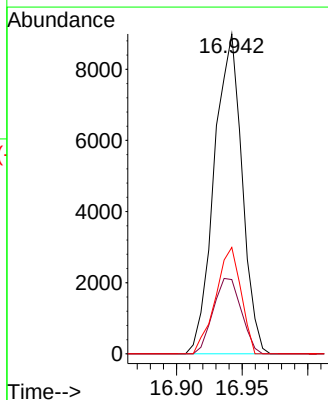
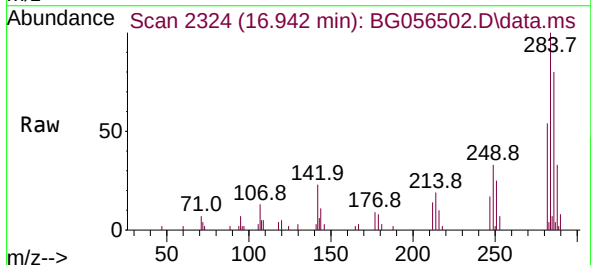
02/02/2023
Supervised By :Jagrut
Upadhyay

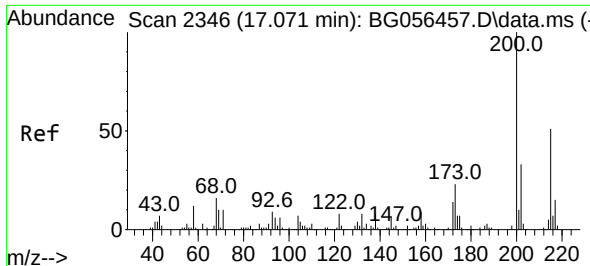
02/02/2023



#68
Hexachlorobenzene
Concen: 4.904 ng
RT: 16.942 min Scan# 2324
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

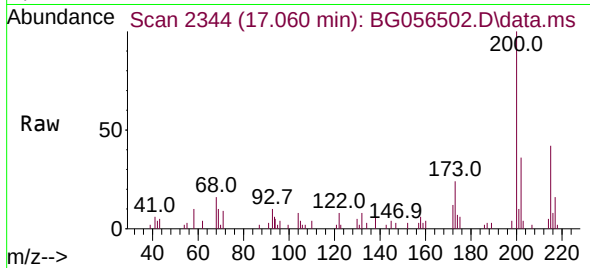
Tgt Ion:284 Resp: 13256
Ion Ratio Lower Upper
284 100
142 23.2 18.0 27.0
249 33.3 26.7 40.1





#69
 Atrazine
 Concen: 5.264 ng
 RT: 17.060 min Scan# 2449
 Delta R.T. -0.011 min
 Lab File: BG056502.D
 Acq: 1 Feb 2023 16:21

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022



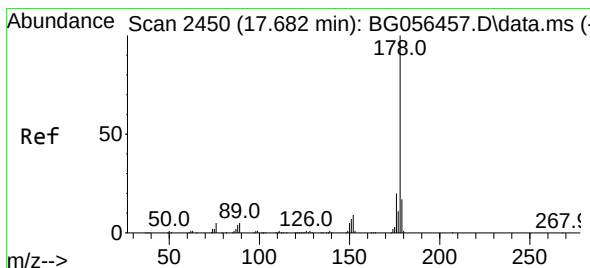
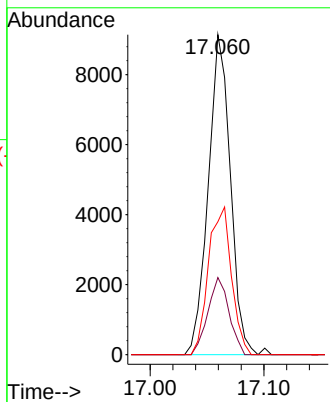
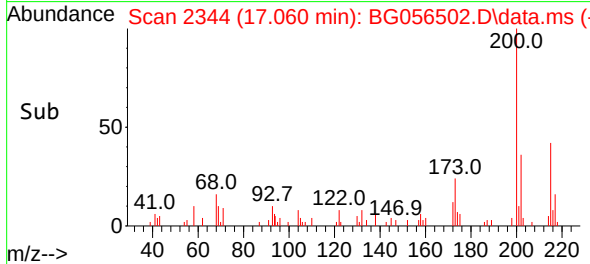
Tgt Ion:200 Resp: 12394
 Ion Ratio Lower Upper
 200 100
 173 24.1 3.2 43.2
 215 41.5 30.7 70.7

Manual Integrations
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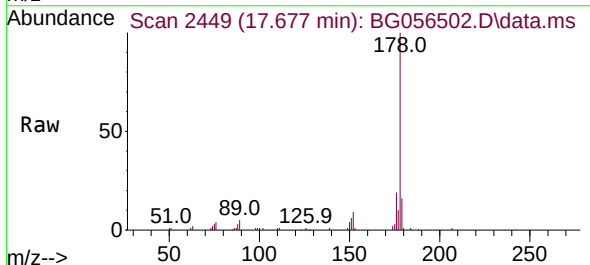
Reviewed By :Christian
 Giraldo

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 Supervised By :Jagrut
 Upadhyay

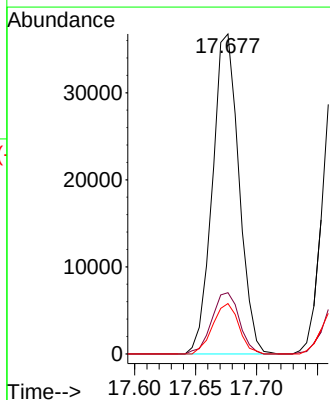
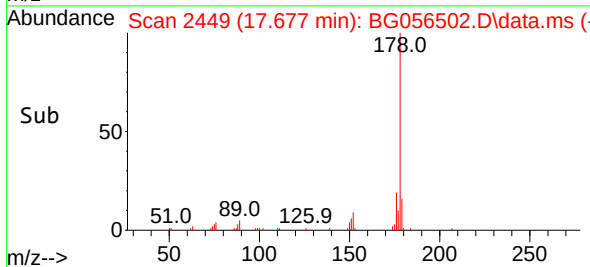
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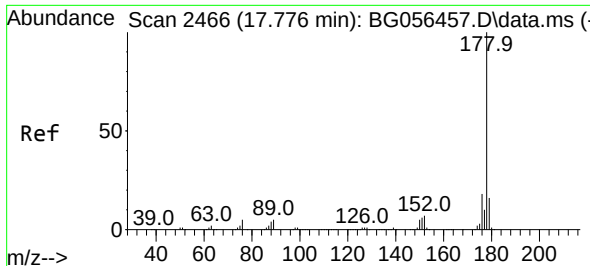


#71
 Phenanthrene
 Concen: 4.927 ng
 RT: 17.677 min Scan# 2449
 Delta R.T. 0.000 min
 Lab File: BG056502.D
 Acq: 1 Feb 2023 16:21



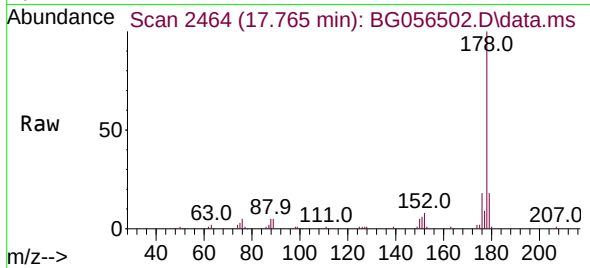
Tgt Ion:178 Resp: 55587
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.6 23.4
 179 15.7 13.3 19.9





#72
 Anthracene
 Concen: 4.721 ng
 RT: 17.765 min Scan# 2466
 Delta R.T. -0.006 min
 Lab File: BG056502.D
 Acq: 1 Feb 2023 16:21

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022



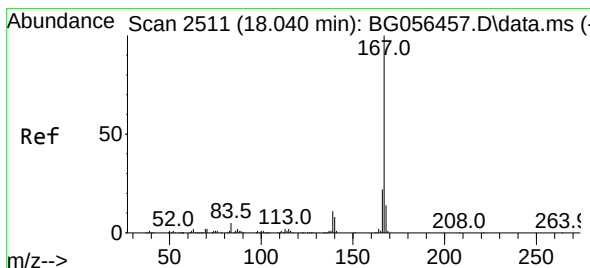
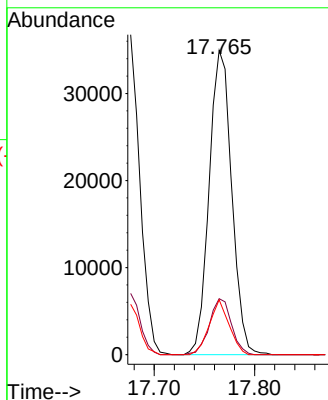
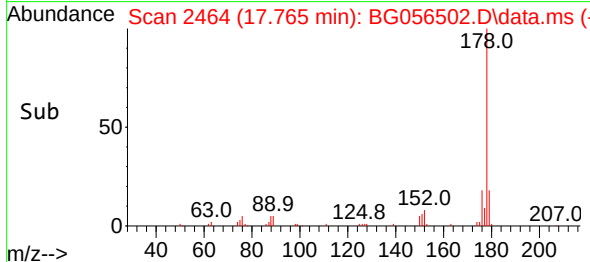
Tgt Ion:178 Resp: 54672
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.5 21.7
 179 18.0 12.5 18.7

Manual Integrations
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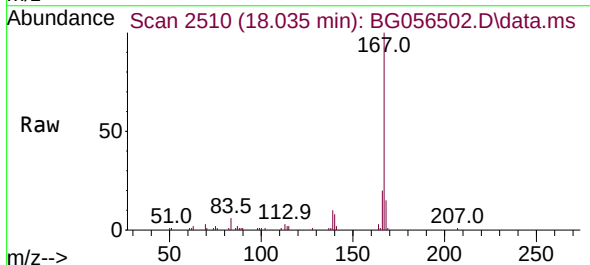
Reviewed By :Christian
 Giraldo

02/02/2023
 Supervised By :Jagrut
 Upadhyay

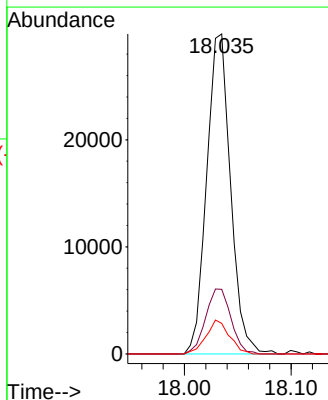
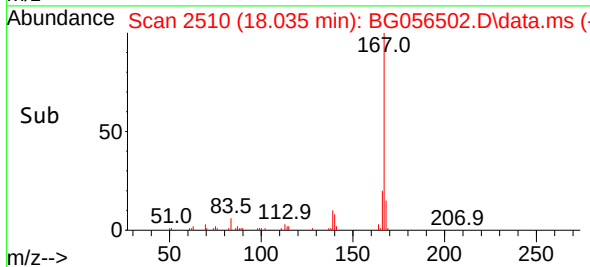
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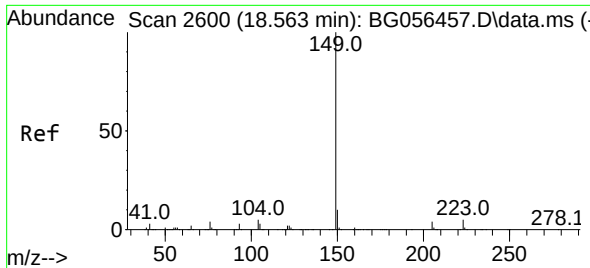


#73
 Carbazole
 Concen: 4.720 ng
 RT: 18.035 min Scan# 2510
 Delta R.T. 0.000 min
 Lab File: BG056502.D
 Acq: 1 Feb 2023 16:21



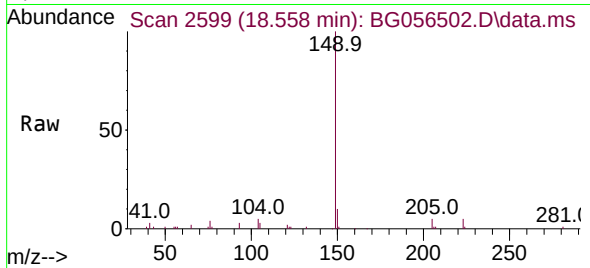
Tgt Ion:167 Resp: 46560
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.8 26.6
 139 9.5 8.9 13.3





#74
Di-n-butylphthalate
Concen: 4.426 ng
RT: 18.558 min Scan# 2599
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



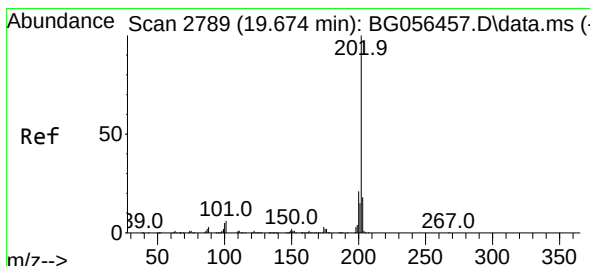
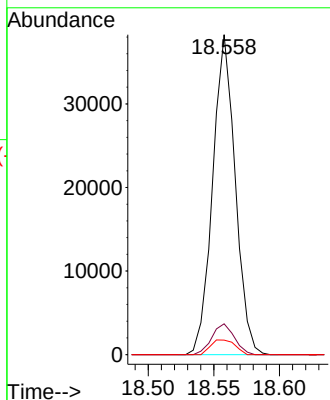
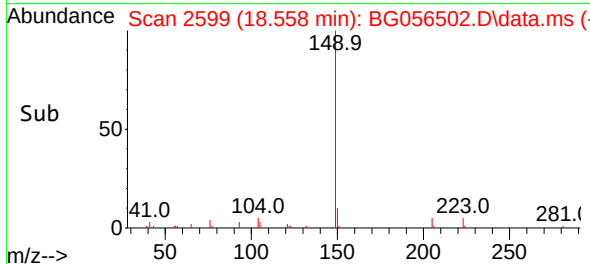
Tgt Ion:149 Resp: 45843
Ion Ratio Lower Upper
149 100
150 9.6 7.8 11.6
104 4.5 4.0 6.0

Manual Integrations
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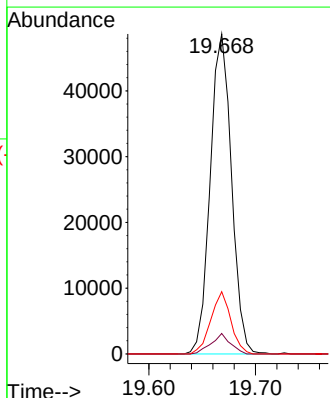
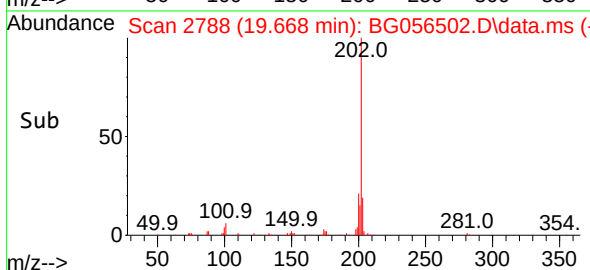
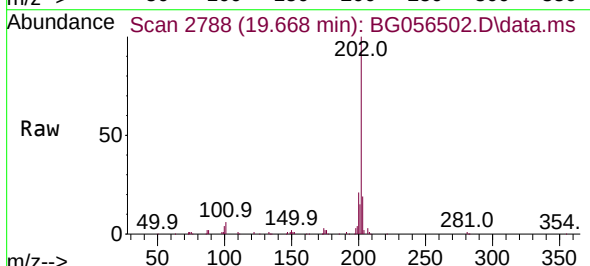
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Supervised By :Jagrut
Upadhyay

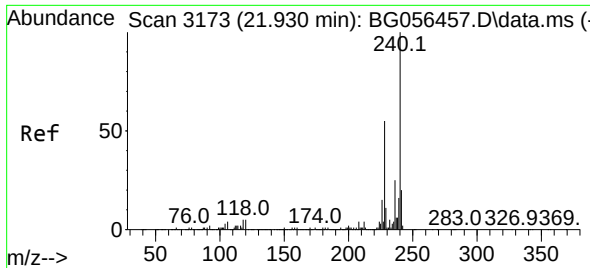
02/02/2023



#75
Fluoranthene
Concen: 4.743 ng
RT: 19.668 min Scan# 2788
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

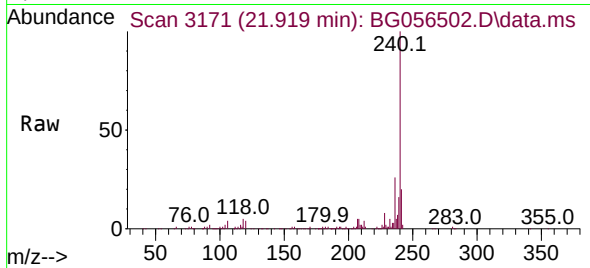
Tgt Ion:202 Resp: 67542
Ion Ratio Lower Upper
202 100
101 6.4 0.0 25.6
203 19.4 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3171
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



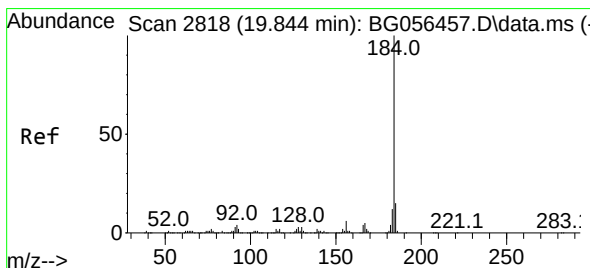
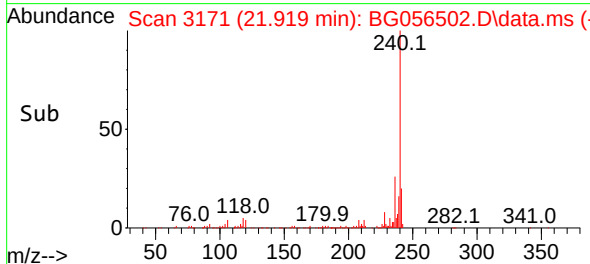
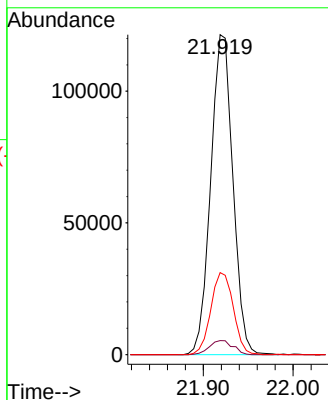
Tgt Ion:240 Resp: 209188
Ion Ratio Lower Upper
240 100
120 4.4 3.8 5.8
236 25.6 20.2 30.2

Manual Integrations
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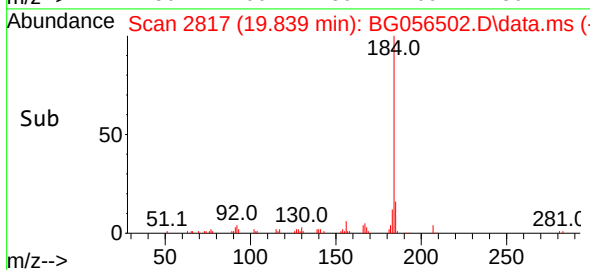
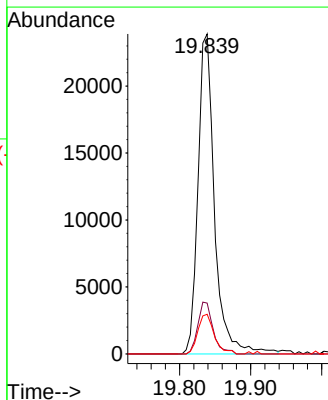
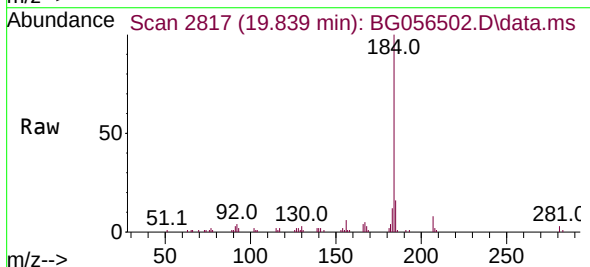
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Supervised By :Jagrut
Upadhyay

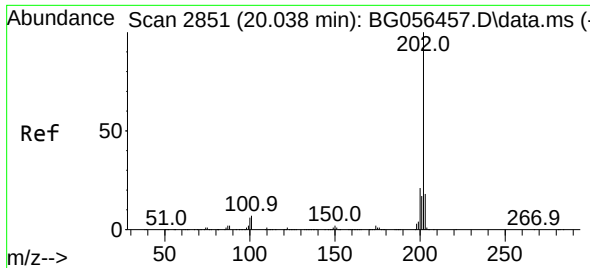
02/02/2023



#77
Benzidine
Concen: 6.773 ng
RT: 19.839 min Scan# 2817
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

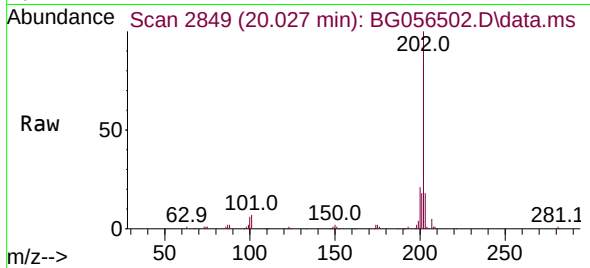
Tgt Ion:184 Resp: 38342
Ion Ratio Lower Upper
184 100
185 15.9 12.3 18.5
183 12.4 9.8 14.8





#78
Pyrene
Concen: 4.654 ng
RT: 20.027 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



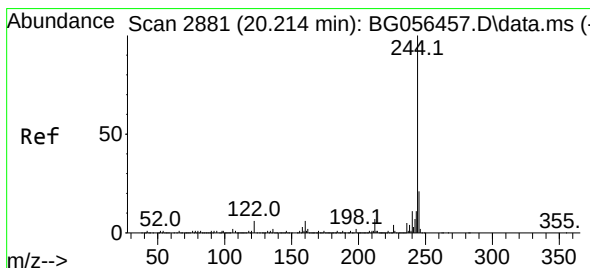
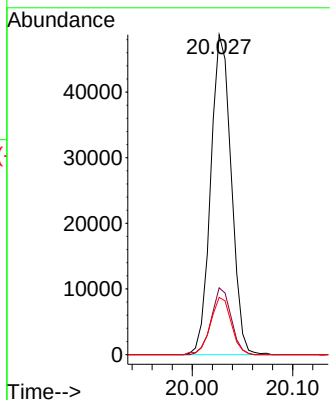
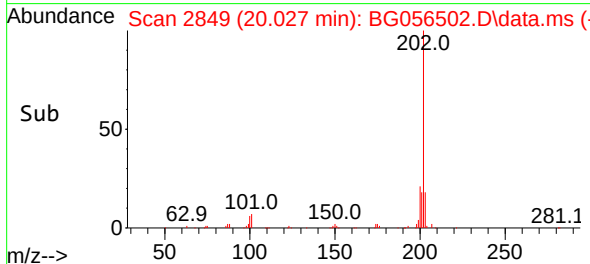
Tgt Ion:202 Resp: 69243
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.9 14.4 21.6

Manual Integrations
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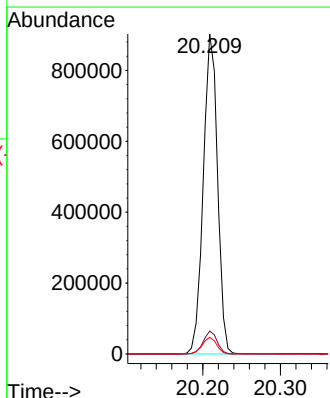
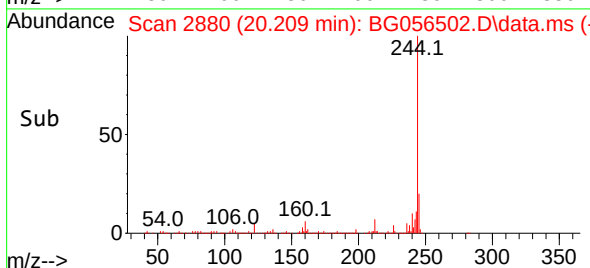
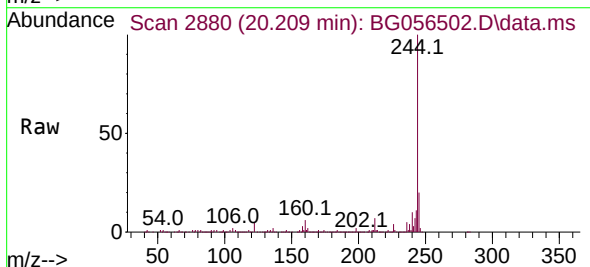
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Supervised By :Jagrut
Upadhyay

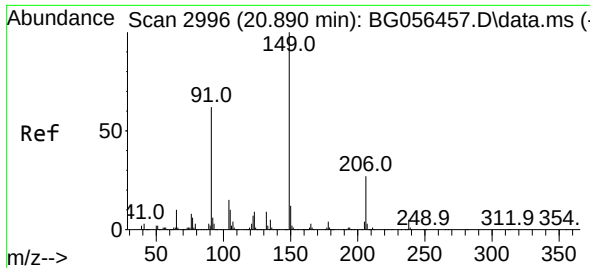
02/02/2023



#79
Terphenyl-d14
Concen: 96.439 ng
RT: 20.209 min Scan# 2880
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

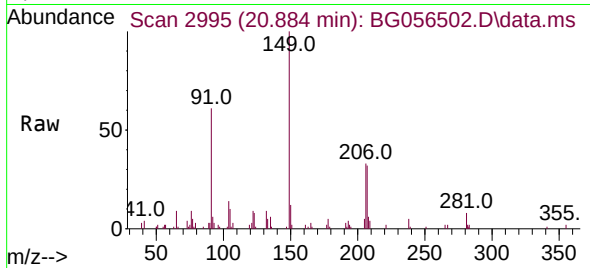
Tgt Ion:244 Resp: 1148614
Ion Ratio Lower Upper
244 100
212 7.1 5.5 8.3
122 5.2 4.4 6.6





#80
Butylbenzylphthalate
Concen: 4.284 ng
RT: 20.884 min Scan# 2996
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



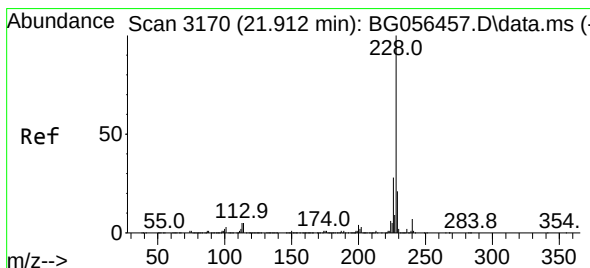
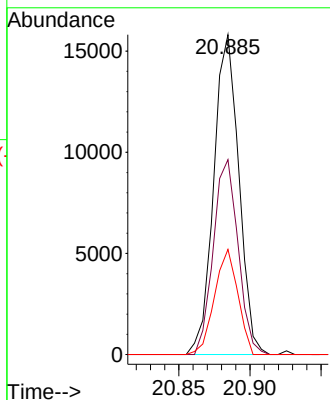
Tgt Ion:149 Resp: 19464
Ion Ratio Lower Upper
149 100
91 60.9 49.4 74.0
206 32.9 22.0 33.0

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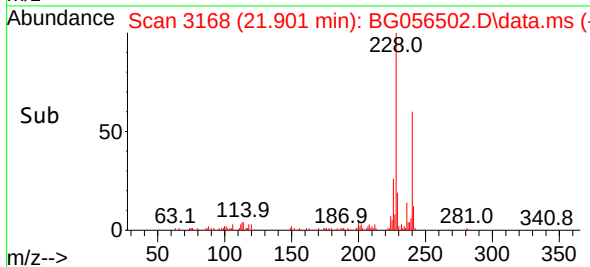
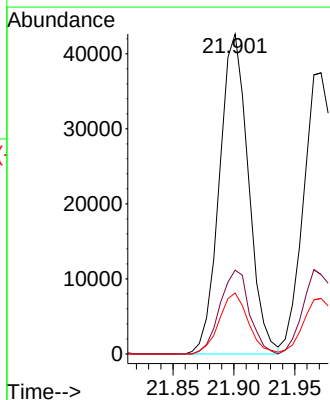
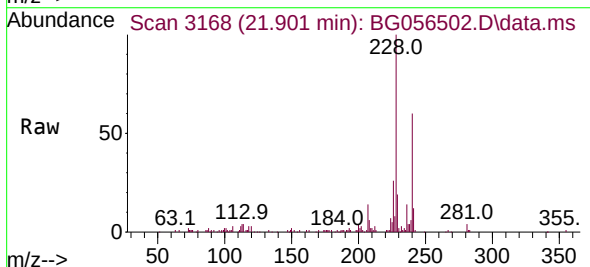
02/02/2023
Supervised By :Jagrut
Upadhyay

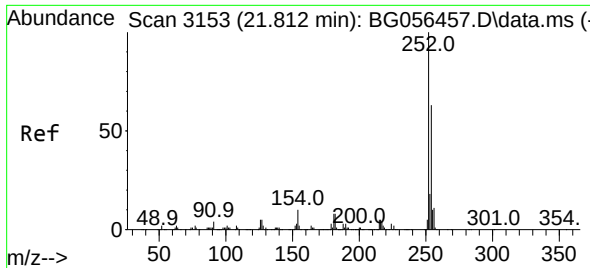
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#81
Benzo(a)anthracene
Concen: 4.825 ng
RT: 21.901 min Scan# 3168
Delta R.T. 0.000 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

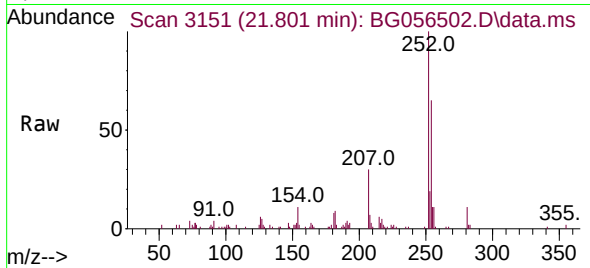
Tgt Ion:228 Resp: 70567
Ion Ratio Lower Upper
228 100
226 26.2 22.4 33.6
229 19.0 16.5 24.7





#82
3,3'-Dichlorobenzidine
Concen: 5.514 ng
RT: 21.801 min Scan# 3151
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



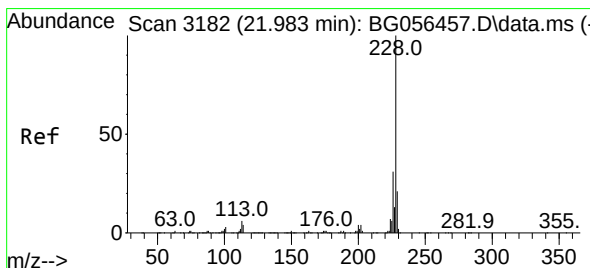
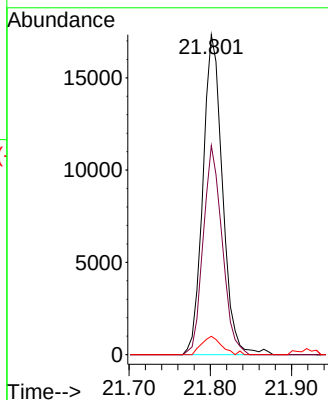
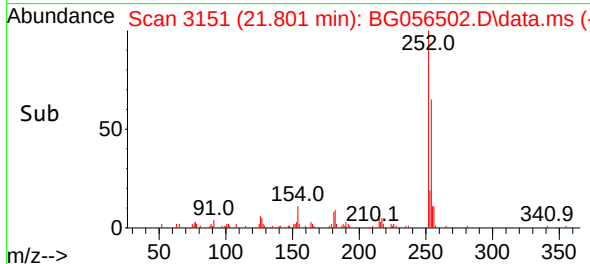
Tgt Ion:252 Resp: 29039
Ion Ratio Lower Upper
252 100
254 65.3 50.0 75.0
126 5.7 4.3 6.5

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Reviewed By :Christian
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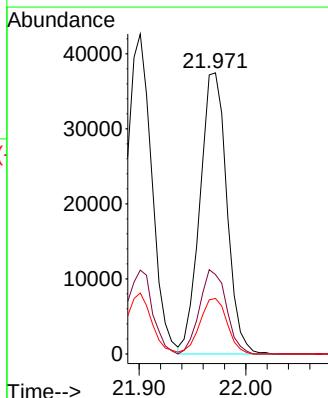
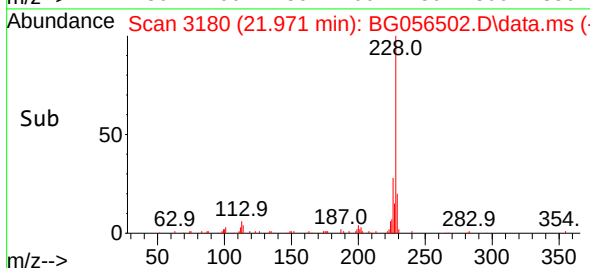
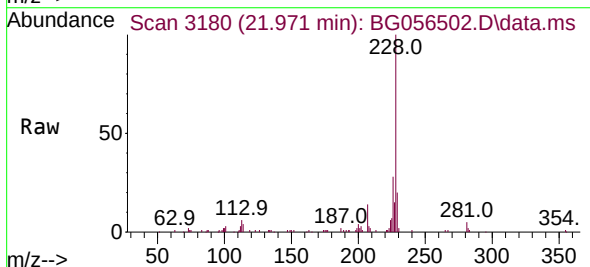
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Supervised By :Jagrut
Upadhyay

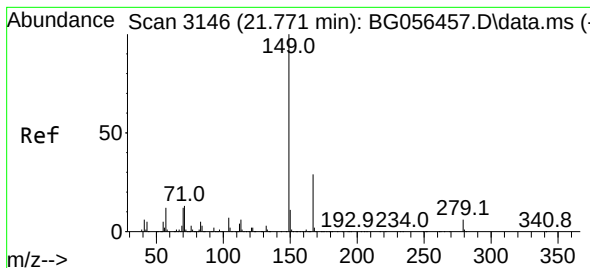
02/02/2023



#83
Chrysene
Concen: 4.775 ng
RT: 21.971 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Tgt Ion:228 Resp: 65604
Ion Ratio Lower Upper
228 100
226 28.2 25.0 37.4
229 19.7 16.4 24.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.477 ng

RT: 21.760 min Scan# 3146

Delta R.T. -0.006 min

Lab File: BG056502.D

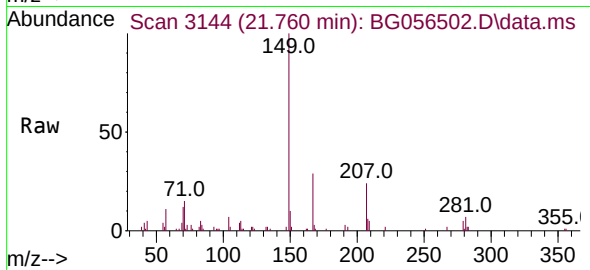
Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion:	149	Resp:	29165
Ion Ratio	Lower	Upper	
149	100		
167	29.1	23.4	35.2
279	4.9	4.4	6.6

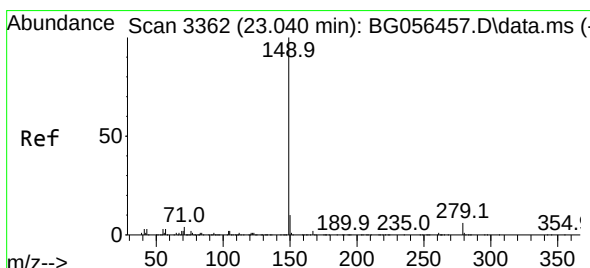
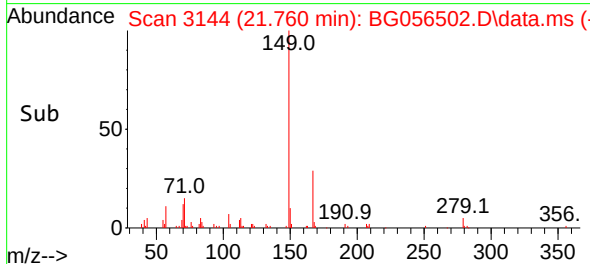
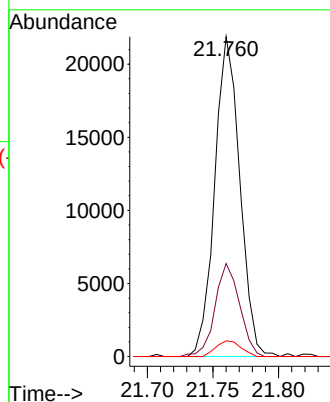
Manual Integrations
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Reviewed By :Christian
Giraldo

02/02/2023

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Upadhyay

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#85

Di-n-octyl phthalate

Concen: 4.463 ng

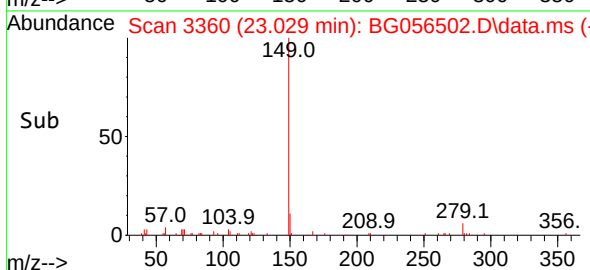
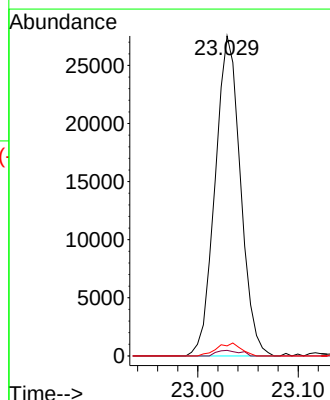
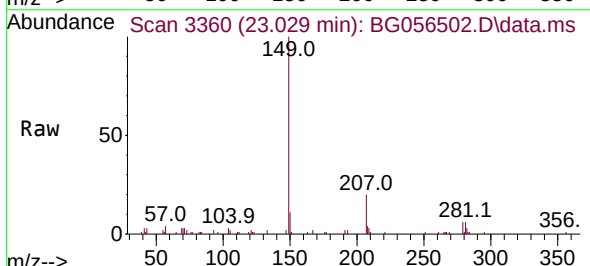
RT: 23.029 min Scan# 3360

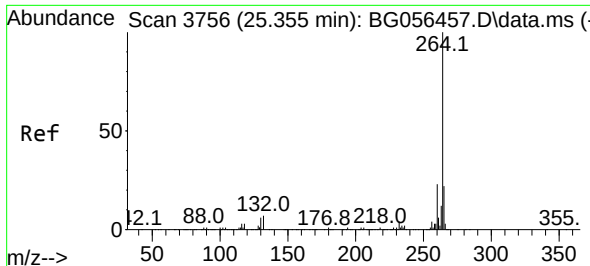
Delta R.T. -0.006 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

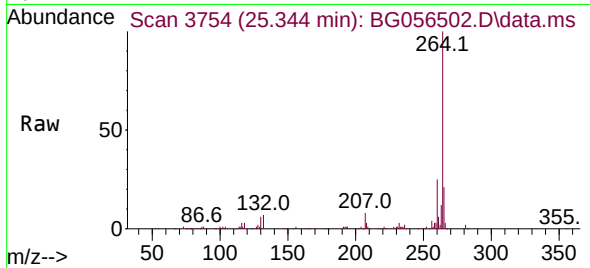
Tgt Ion:	149	Resp:	48417
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.4	2.0
43	3.8	2.7	4.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.344 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BG056502.D
 Acq: 1 Feb 2023 16:21

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022



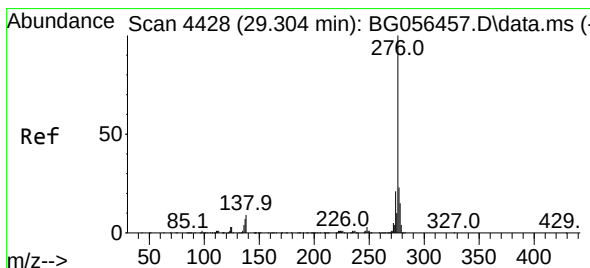
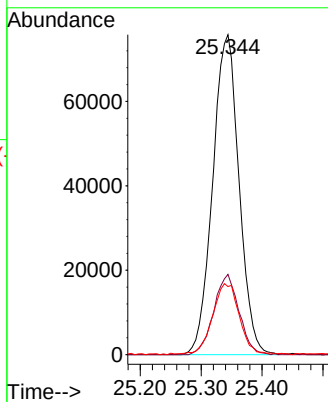
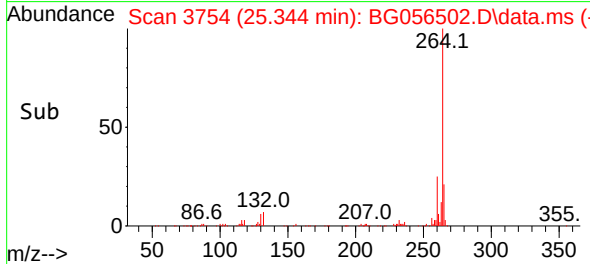
Tgt Ion:264 Resp: 227414
 Ion Ratio Lower Upper
 264 100
 260 25.1 18.2 27.4
 265 21.3 18.1 27.1

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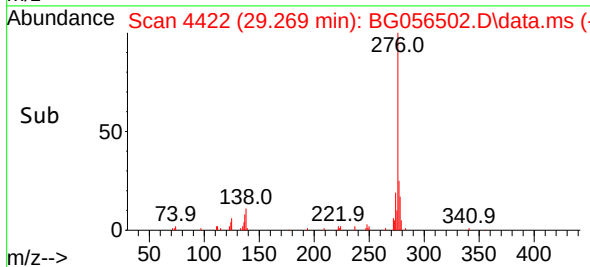
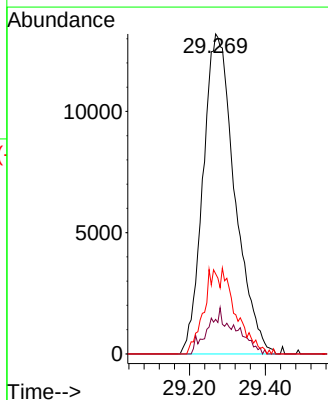
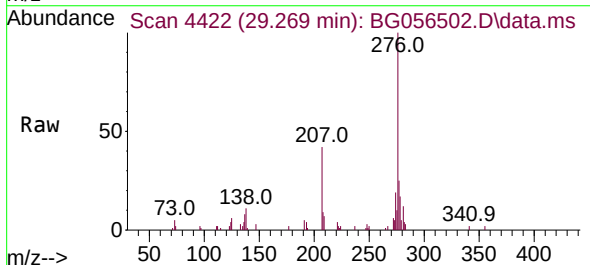
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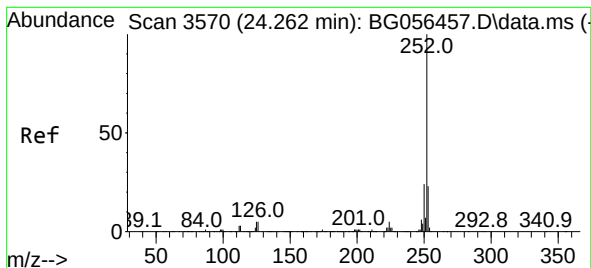
02/02/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.596 ng
 RT: 29.269 min Scan# 4422
 Delta R.T. -0.011 min
 Lab File: BG056502.D
 Acq: 1 Feb 2023 16:21

Tgt Ion:276 Resp: 76512
 Ion Ratio Lower Upper
 276 100
 138 12.5 9.4 14.2
 277 0.0 20.3 30.5#





#88

Benzo(b)fluoranthene

Concen: 5.022 ng

RT: 24.245 min Scan# 3567

Delta R.T. -0.006 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion:252 Resp: 70884
 Ion Ratio Lower Upper
 252 100
 253 20.5 18.1 27.1
 125 5.2 3.9 5.9

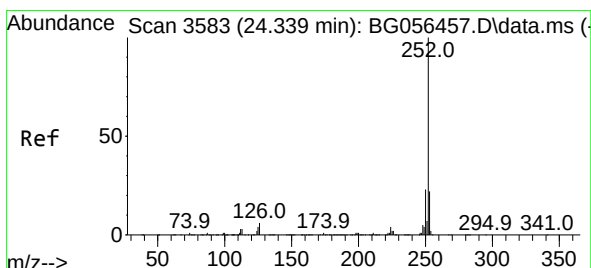
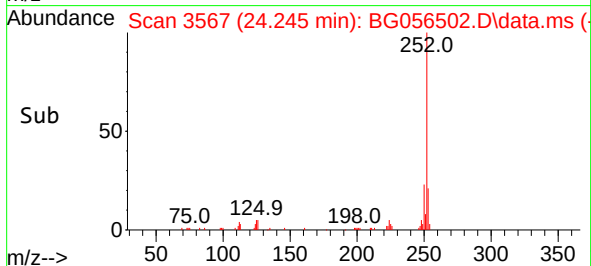
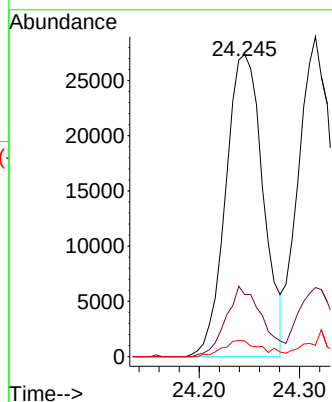
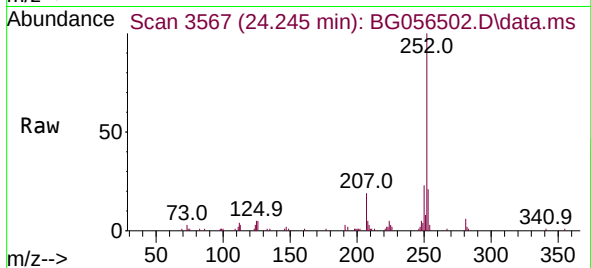
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 Giraldo

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 Upadhyay

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#89

Benzo(k)fluoranthene

Concen: 4.842 ng

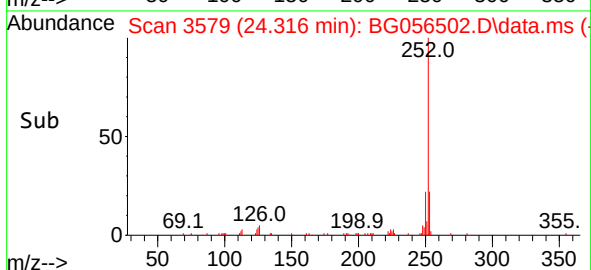
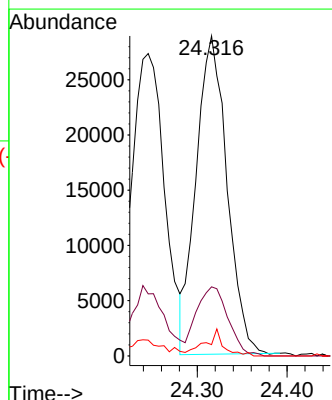
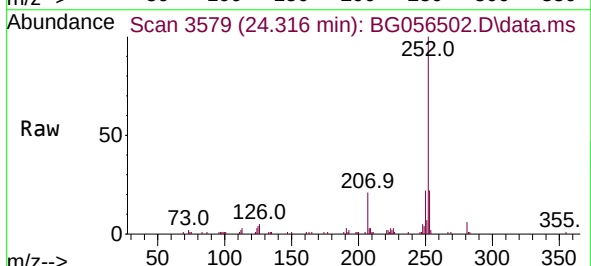
RT: 24.316 min Scan# 3579

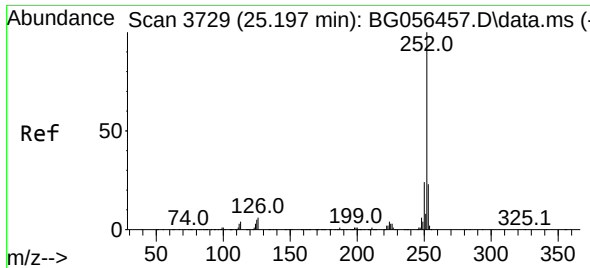
Delta R.T. -0.006 min

Lab File: BG056502.D

Acq: 1 Feb 2023 16:21

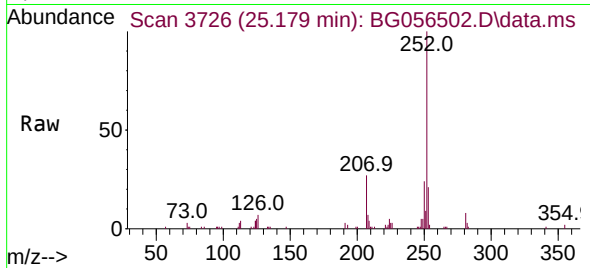
Tgt Ion:252 Resp: 69003
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.5 26.3
 125 3.5 3.4 5.0





#90
Benzo(a)pyrene
Concen: 4.471 ng
RT: 25.179 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2022



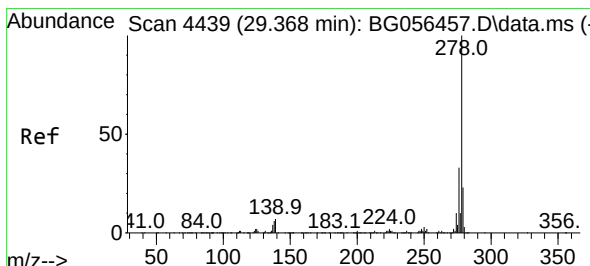
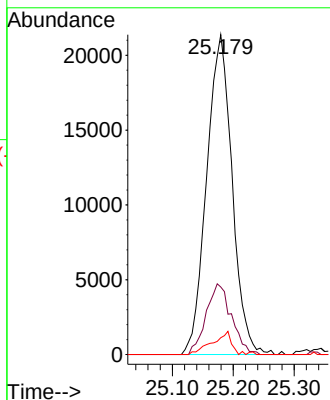
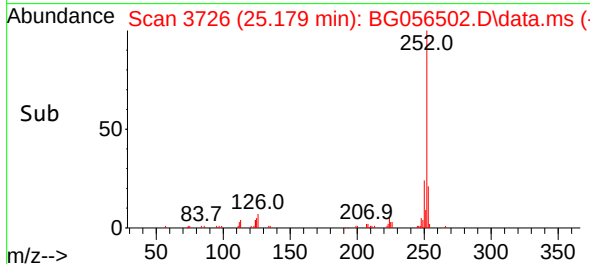
Tgt Ion:252 Resp: 62165
Ion Ratio Lower Upper
252 100
253 21.1 18.4 27.6
125 5.3 4.1 6.1

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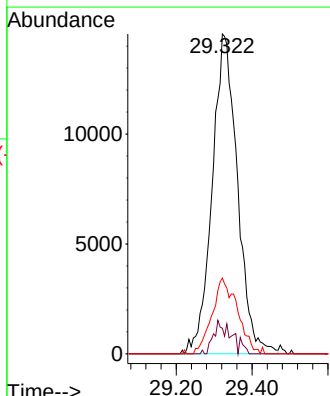
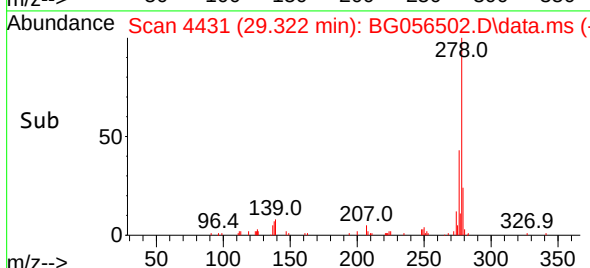
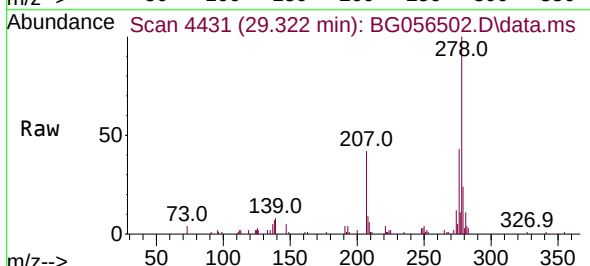
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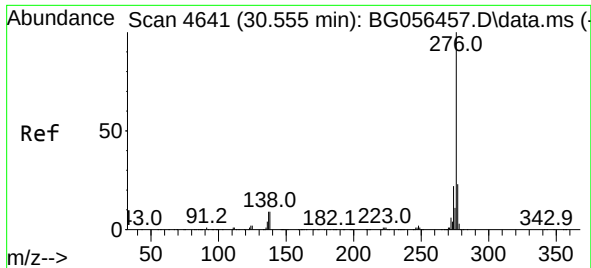
02/02/2023



#91
Dibenzo(a,h)anthracene
Concen: 4.824 ng
RT: 29.322 min Scan# 4431
Delta R.T. -0.023 min
Lab File: BG056502.D
Acq: 1 Feb 2023 16:21

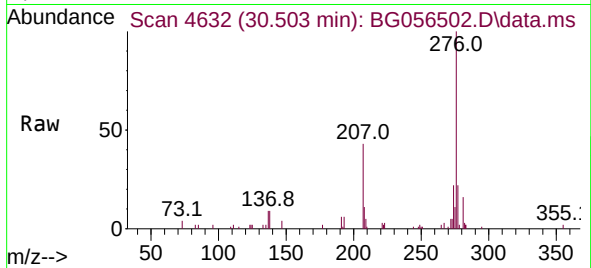
Tgt Ion:278 Resp: 67408
Ion Ratio Lower Upper
278 100
139 8.0 5.5 8.3
279 23.7 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.886 ng
 RT: 30.503 min Scan# 4632
 Delta R.T. -0.023 min
 Lab File: BG056502.D
 Acq: 1 Feb 2023 16:21

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022



Tgt Ion: 276 Resp: 65875
 Ion Ratio Lower Upper
 276 100
 277 21.5 18.5 27.7
 138 9.2 7.4 11.0

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 Giraldo

02/02/2023
 Supervised By : Jagrut
 Upadhyay

02/02/2023

