

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071322\
 Data File : BG054270.D
 Acq On : 13 Jul 2022 11:30
 Operator : CG/JU
 Sample : N3214-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/14/2022
 Supervised By : Jagrut Upadhyay 07/14/2022

Quant Time: Jul 13 12:11:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 13 12:11:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.042	152	16005	20.000	ng	0.00
21) Naphthalene-d8	10.850	136	58031	20.000	ng	# 0.00
39) Acenaphthene-d10	14.670	164	45854	20.000	ng	0.00
64) Phenanthrene-d10	17.413	188	127108	20.000	ng	# 0.00
76) Chrysene-d12	21.685	240	164383	20.000	ng	# 0.00
86) Perylene-d12	24.928	264	169900	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	89167	111.931	ng	0.00
7) Phenol-d6	7.208	99	124129	112.973	ng	0.00
23) Nitrobenzene-d5	9.205	82	97998	91.641	ng	0.00
42) 2,4,6-Tribromophenol	16.156	330	120885	136.095	ng	0.00
45) 2-Fluorobiphenyl	13.295	172	303198	97.157	ng	0.00
79) Terphenyl-d14	20.022	244	713760	89.289	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.489	88	1387	3.981	ng	# 72
3) Pyridine	3.900	79	2167	2.490	ng	# 79
4) n-Nitrosodimethylamine	3.812	42	1189	2.705	ng	# 46
6) Aniline	7.360	93	4740	3.670	ng	98
8) 2-Chlorophenol	7.607	128	3288	3.682	ng	91
9) Benzaldehyde	7.178	77	3259	4.939	ng	79
10) Phenol	7.231	94	3669	3.310	ng	# 51
11) bis(2-Chloroethyl)ether	7.460	93	2994	3.662	ng	95
12) 1,3-Dichlorobenzene	7.930	146	4339m	4.002	ng	
13) 1,4-Dichlorobenzene	8.077	146	4352	3.917	ng	92
14) 1,2-Dichlorobenzene	8.400	146	4142	3.883	ng	97
15) Benzyl Alcohol	8.277	79	3126	3.529	ng	# 91
16) 2,2'-oxybis(1-Chloropr...	8.559	45	3485	3.070	ng	95
17) 2-Methylphenol	8.489	107	2657	3.355	ng	# 89
18) Hexachloroethane	9.117	117	1369	3.622	ng	91
19) n-Nitroso-di-n-propyla...	8.841	70	2441	3.254	ng	# 92
20) 3+4-Methylphenols	8.812	107	3594	3.234	ng	86
22) Acetophenone	8.865	105	5356	3.819	ng	# 97
24) Nitrobenzene	9.246	77	4656	4.429	ng	# 82
25) Isophorone	9.769	82	6986	3.611	ng	# 89
26) 2-Nitrophenol	9.957	139	1716	3.313	ng	92
27) 2,4-Dimethylphenol	10.016	122	3032	4.185	ng	87
28) bis(2-Chloroethoxy)met...	10.251	93	3727	3.785	ng	# 95
29) 2,4-Dichlorophenol	10.510	162	3549	3.380	ng	78
30) 1,2,4-Trichlorobenzene	10.715	180	5423	4.186	ng	# 92
31) Naphthalene	10.897	128	10882	3.729	ng	99
33) 4-Chloroaniline	11.009	127	4104	3.382	ng	# 88
34) Hexachlorobutadiene	11.185	225	4630	4.307	ng	98
35) Caprolactam	11.749	113	765	2.558	ng	# 47
36) 4-Chloro-3-methylphenol	12.137	107	3235	3.202	ng	# 73
37) 2-Methylnaphthalene	12.507	142	8216	3.674	ng	91
38) 1-Methylnaphthalene	12.719	142	8028	3.697	ng	99
40) 1,2,4,5-Tetrachloroben...	12.872	216	8274	4.445	ng	# 95
41) Hexachlorocyclopentadiene	12.848	237	115	0.247	ng	# 26
43) 2,4,6-Trichlorophenol	13.113	196	3733	3.492	ng	95
44) 2,4,5-Trichlorophenol	13.189	196	3987	3.410	ng	# 89

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 Sample : N3214-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022

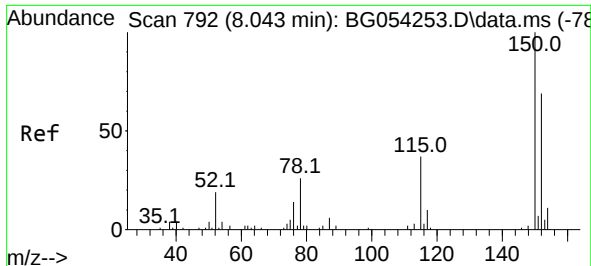
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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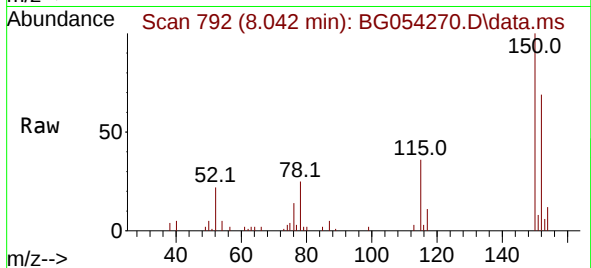
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.506	154	12546	4.069	ng	93
47) 2-Chloronaphthalene	13.553	162	10169	3.945	ng	# 87
48) 2-Nitroaniline	13.753	65	2305	3.159	ng	88
49) Acenaphthylene	14.393	152	15828	4.047	ng	98
50) Dimethylphthalate	14.117	163	13882	3.856	ng	# 97
51) 2,6-Dinitrotoluene	14.235	165	2658	3.397	ng	# 61
52) Acenaphthene	14.734	154	9074	3.836	ng	95
53) 3-Nitroaniline	14.570	138	2398	3.457	ng	# 79
55) Dibenzofuran	15.069	168	16581	3.991	ng	# 87
56) 4-Nitrophenol	14.910	139	881	1.977	ng	# 71
57) 2,4-Dinitrotoluene	15.034	165	3708	3.272	ng	# 85
58) Fluorene	15.715	166	13797	3.998	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.298	232	3707	3.165	ng	# 82
60) Diethylphthalate	15.474	149	13375	3.809	ng	100
61) 4-Chlorophenyl-phenyle...	15.704	204	8899	4.059	ng	# 83
62) 4-Nitroaniline	15.733	138	2404	3.318	ng	96
63) Azobenzene	15.997	77	9146	3.456	ng	86
65) 4,6-Dinitro-2-methylph...	15.798	198	1579	2.112	ng	73
66) n-Nitrosodiphenylamine	15.915	169	12083	3.769	ng	98
67) 4-Bromophenyl-phenylether	16.597	248	6876	4.056	ng	# 91
68) Hexachlorobenzene	16.726	284	7802	4.032	ng	# 91
69) Atrazine	16.861	200	5871	4.146	ng	92
70) Pentachlorophenol	17.078	266	1505	1.936	ng	# 82
71) Phenanthrene	17.460	178	24011	3.776	ng	99
72) Anthracene	17.548	178	24373	3.914	ng	98
73) Carbazole	17.819	167	19830	3.761	ng	98
74) Di-n-butylphthalate	18.365	149	22171	3.551	ng	99
75) Fluoranthene	19.464	202	33720	3.900	ng	95
77) Benzidine	19.640	184	15127	5.242	ng	# 97
78) Pyrene	19.828	202	35107	3.711	ng	99
80) Butylbenzylphthalate	20.704	149	9631	3.142	ng	# 84
81) Benzo(a)anthracene	21.667	228	39927	3.840	ng	99
82) 3,3'-Dichlorobenzidine	21.579	252	15481	4.871	ng	# 95
83) Chrysene	21.732	228	37391	3.802	ng	98
84) Bis(2-ethylhexyl)phtha...	21.567	149	14768	3.396	ng	# 94
85) Di-n-octyl phthalate	22.778	149	26440	3.531	ng	# 93
87) Indeno(1,2,3-cd)pyrene	28.624	276	46750	3.658	ng	# 96
88) Benzo(b)fluoranthene	23.888	252	39268	3.898	ng	# 98
89) Benzo(k)fluoranthene	23.953	252	40714	4.073	ng	# 96
90) Benzo(a)pyrene	24.769	252	39185	4.546	ng	96
91) Dibenzo(a,h)anthracene	28.671	278	41064	3.922	ng	# 97
92) Benzo(g,h,i)perylene	29.787	276	40899	3.916	ng	# 92

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.042 min Scan# 792
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

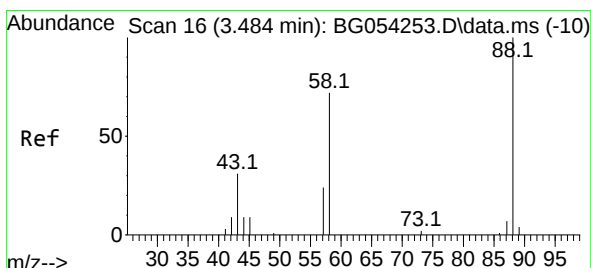
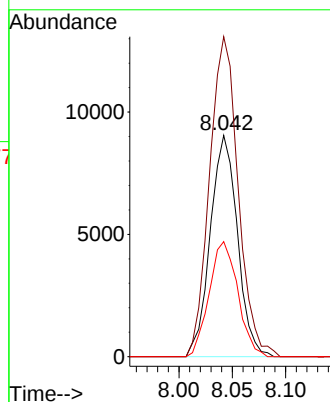
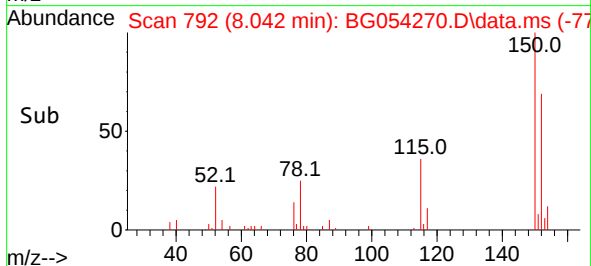
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:152 Resp: 1600
Ion Ratio Lower Upper
152 100
150 144.6 131.6 197.4
115 52.0 50.9 76.3

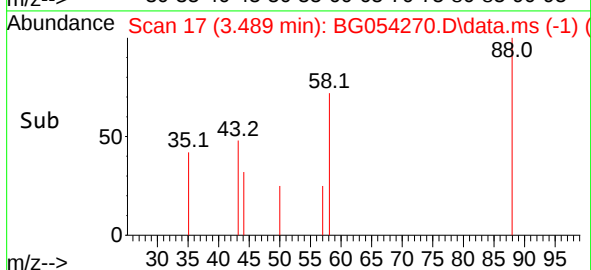
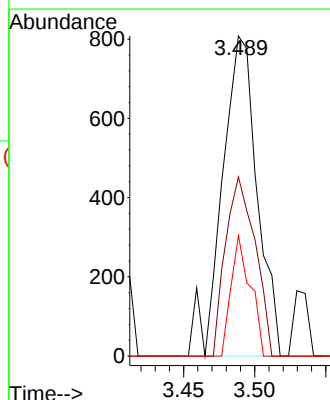
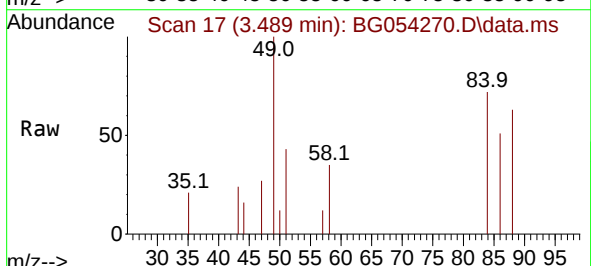
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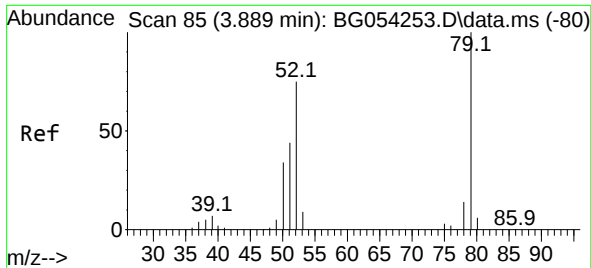
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#2
1,4-Dioxane
Concen: 3.981 ng
RT: 3.489 min Scan# 17
Delta R.T. 0.005 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

Tgt Ion: 88 Resp: 1387
Ion Ratio Lower Upper
88 100
58 47.2 59.2 88.8#
43 20.6 24.3 36.5#





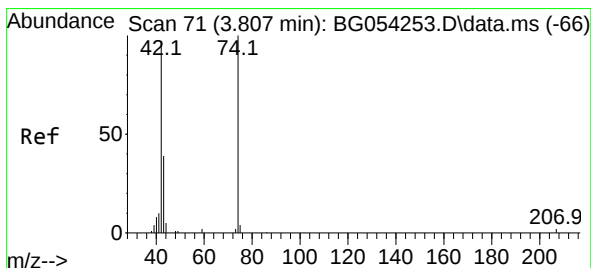
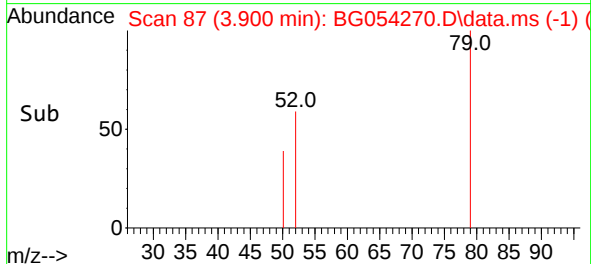
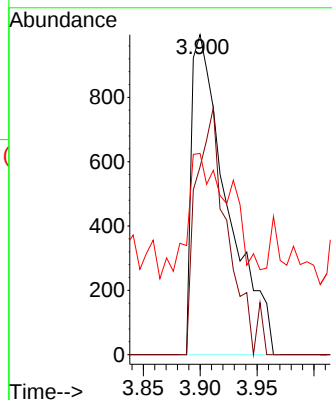
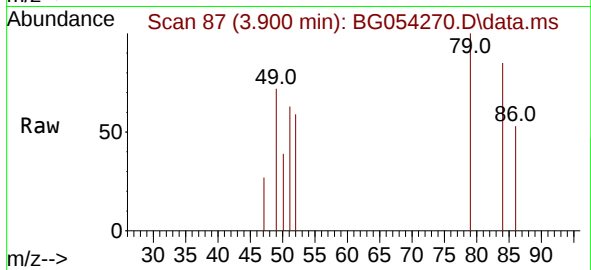
#3
Pyridine
Concen: 2.490 ng
RT: 3.900 min Scan# 81
Delta R.T. 0.011 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion: 79 Resp: 216
Ion Ratio Lower Upper
79 100
52 58.7 54.6 81.8
51 62.9 32.5 48.7

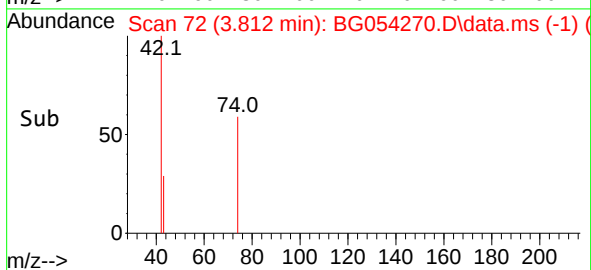
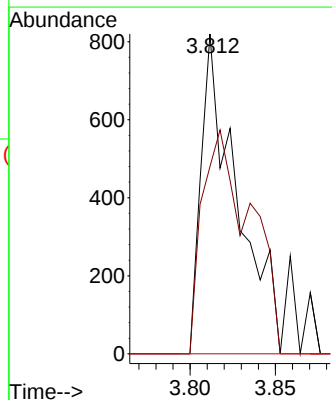
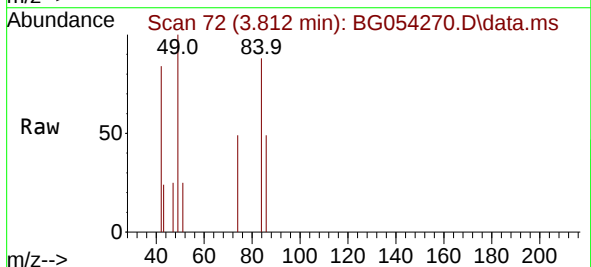
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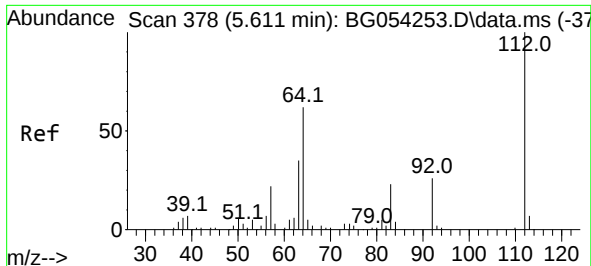
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#4
n-Nitrosodimethylamine
Concen: 2.705 ng
RT: 3.812 min Scan# 72
Delta R.T. 0.005 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

Tgt Ion: 42 Resp: 1189
Ion Ratio Lower Upper
42 100
74 58.5 97.0 145.4#
44 0.0 7.0 10.4#





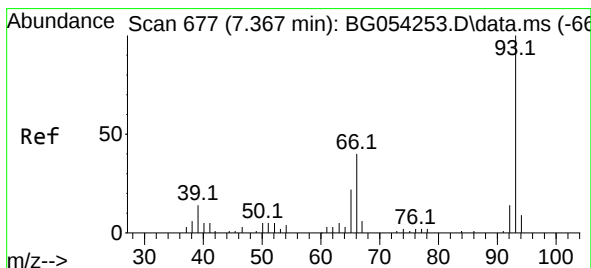
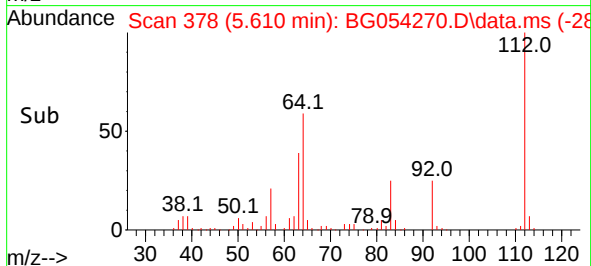
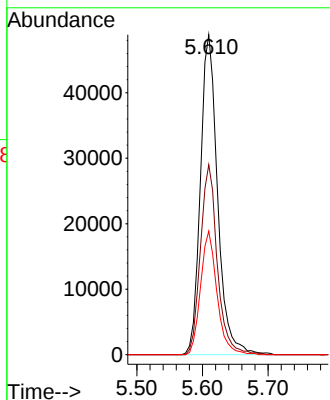
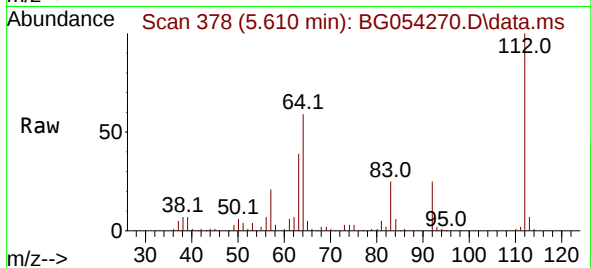
#5
2-Fluorophenol
Concen: 111.931 ng
RT: 5.610 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:112 Resp: 8916
Ion Ratio Lower Upper
112 100
64 59.3 55.1 82.7
63 38.6 30.4 45.6

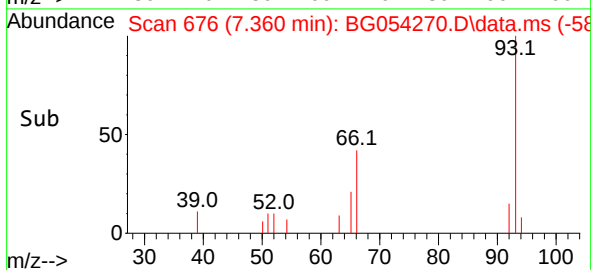
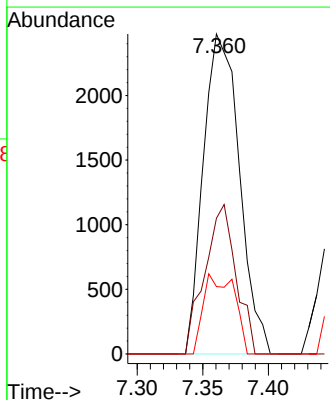
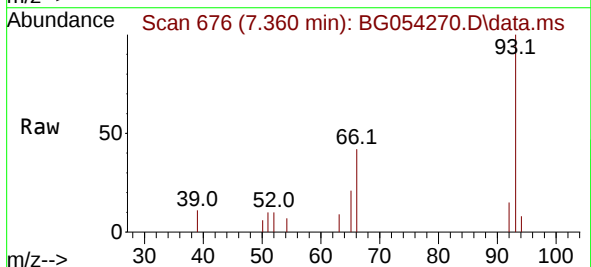
Manual Integrations
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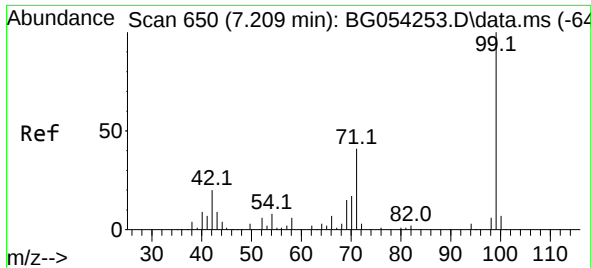
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#6
Aniline
Concen: 3.670 ng
RT: 7.360 min Scan# 676
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

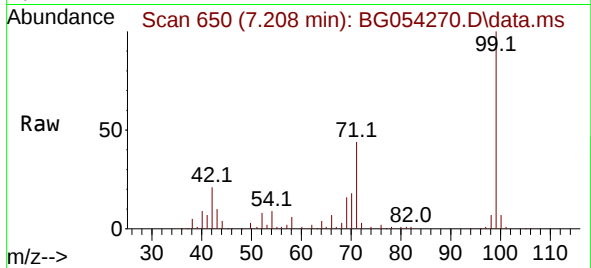
Tgt Ion: 93 Resp: 4740
Ion Ratio Lower Upper
93 100
66 42.4 32.9 49.3
65 21.0 17.8 26.8





#7
Phenol-d6
Concen: 112.973 ng
RT: 7.208 min Scan# 611
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

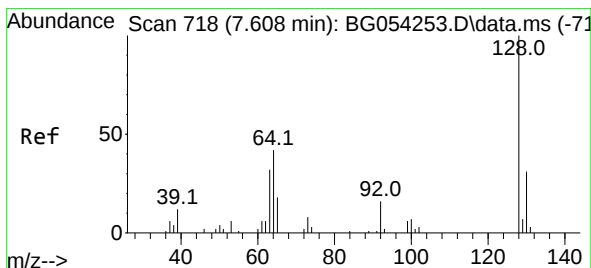
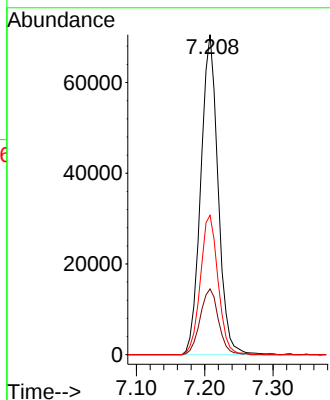
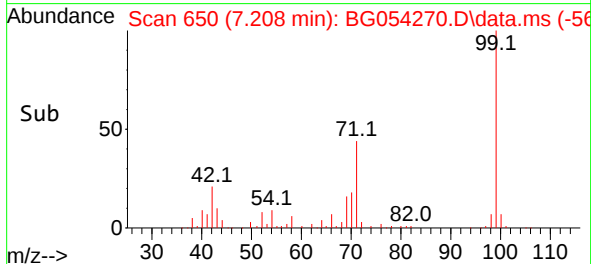
Instrument : BNA_G
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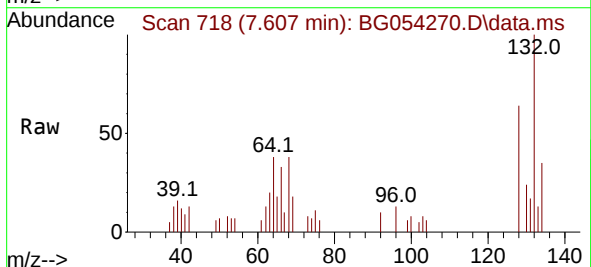
Tgt Ion: 99 Resp: 124129
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.6
71 43.6 33.8 50.8

Manual Integrations
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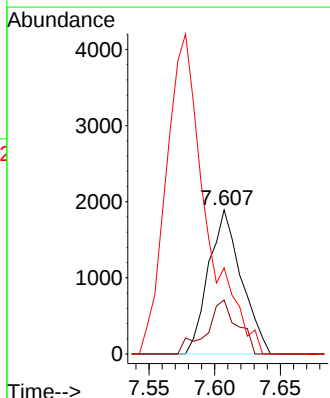
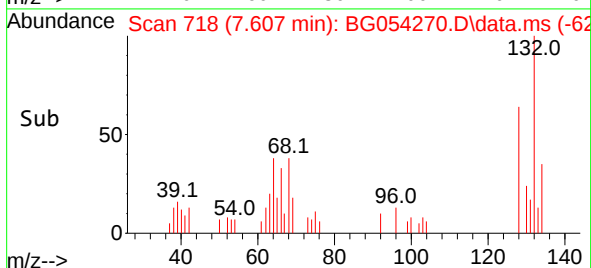
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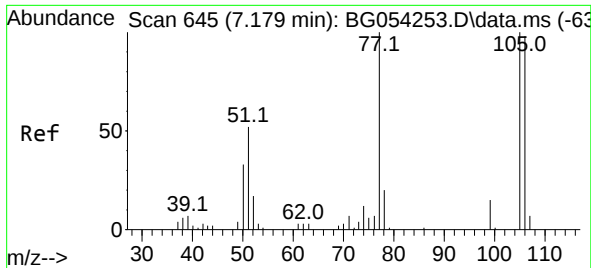


#8
2-Chlorophenol
Concen: 3.682 ng
RT: 7.607 min Scan# 718
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



Tgt Ion:128 Resp: 3288
Ion Ratio Lower Upper
128 100
130 37.5 10.5 50.5
64 59.8 35.1 75.1





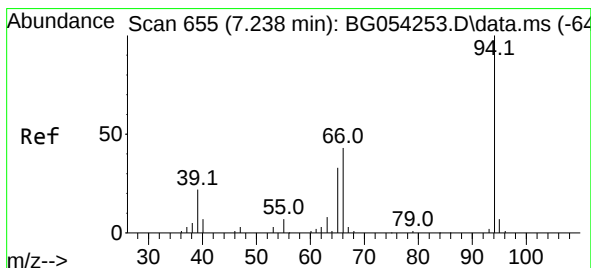
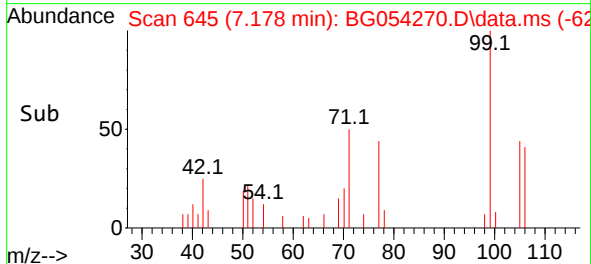
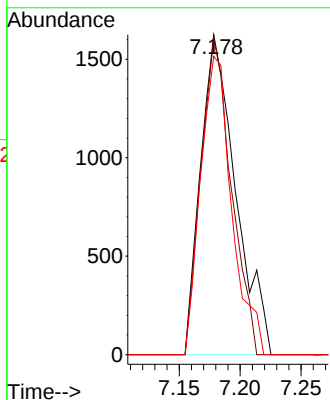
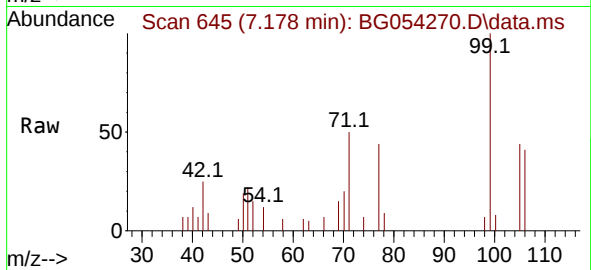
#9
Benzaldehyde
Concen: 4.939 ng
RT: 7.178 min Scan# 645
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022

Tgt Ion: 77 Resp: 3259
Ion Ratio Lower Upper
77 100
105 98.9 59.6 99.6
106 93.2 56.8 96.8

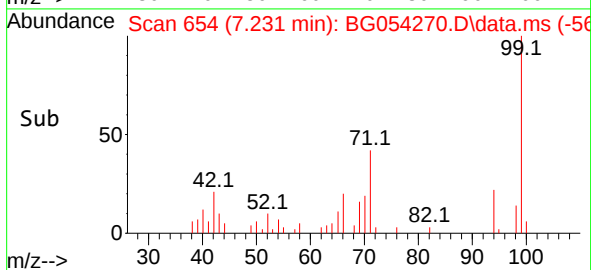
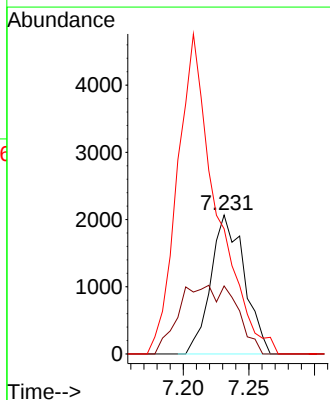
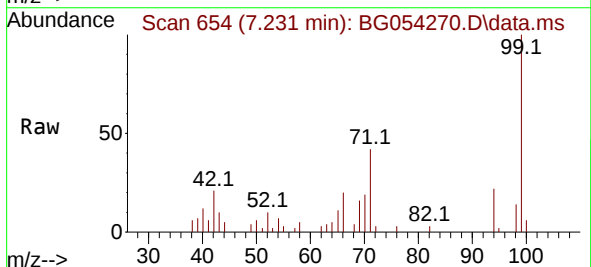
Manual Integrations
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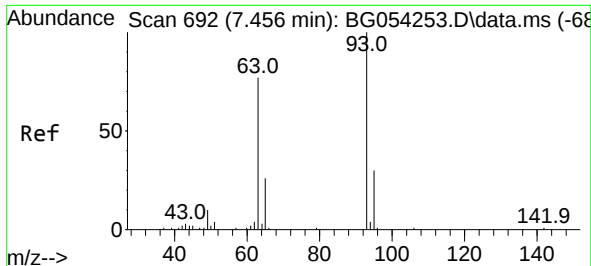
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#10
Phenol
Concen: 3.310 ng
RT: 7.231 min Scan# 654
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

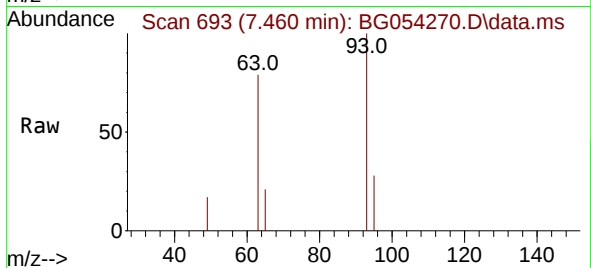
Tgt Ion: 94 Resp: 3669
Ion Ratio Lower Upper
94 100
65 49.0 14.8 54.8
66 90.1 25.2 65.2#





#11
bis(2-Chloroethyl)ether
Concen: 3.662 ng
RT: 7.460 min Scan# 692
Delta R.T. 0.005 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

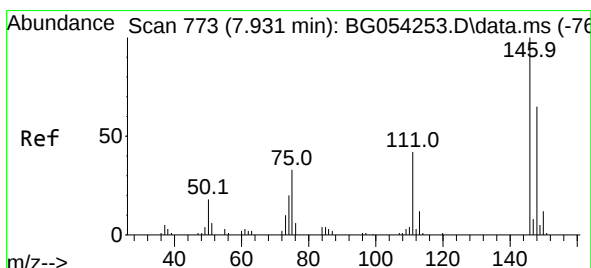
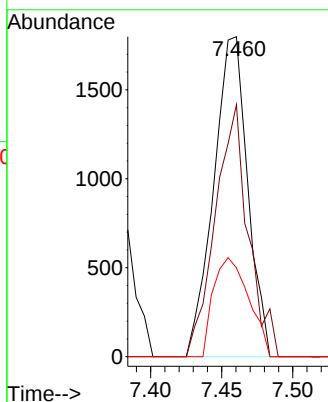
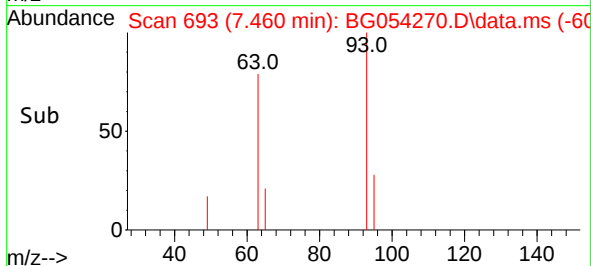
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 93 Resp: 2994
Ion Ratio Lower Upper
93 100
63 78.8 63.6 103.6
95 27.7 10.1 50.1

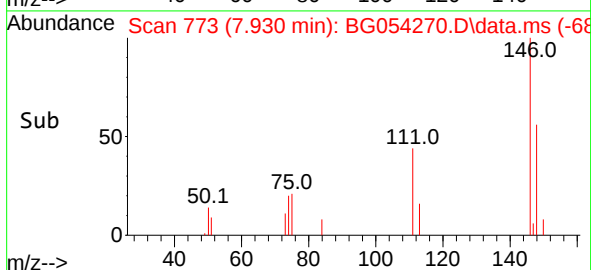
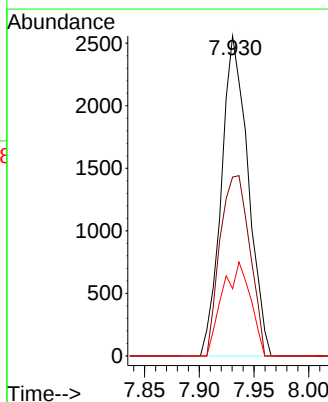
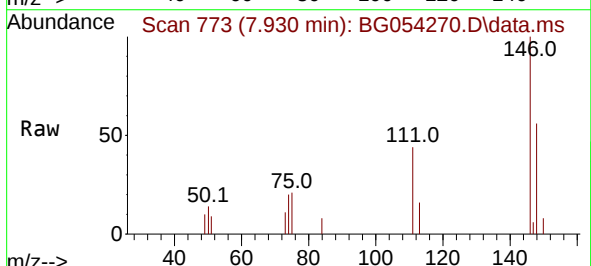
Manual Integrations
APPROVED

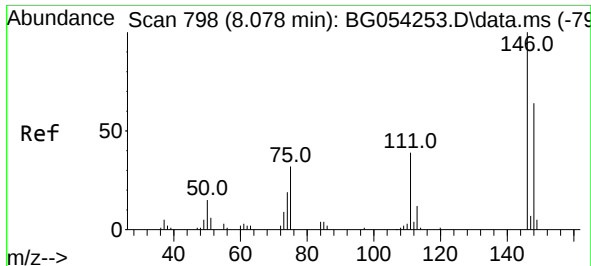
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#12
1,3-Dichlorobenzene
Concen: 4.002 ng m
RT: 7.930 min Scan# 773
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

Tgt Ion:146 Resp: 4339
Ion Ratio Lower Upper
146 100
148 55.9 46.1 69.1
75 21.0 27.6 41.4#





#13

1,4-Dichlorobenzene

Concen: 3.917 ng

RT: 8.077 min Scan# 798

Delta R.T. -0.001 min

Lab File: BG054270.D

Acq: 13 Jul 2022 11:30

Instrument :

BNA_G

ClientSampleId :

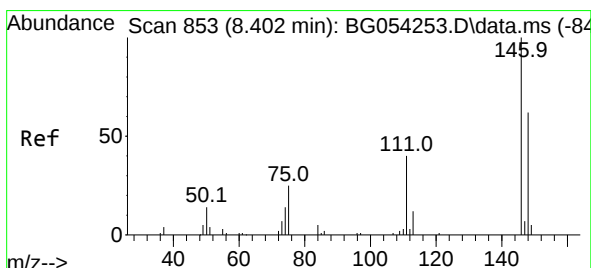
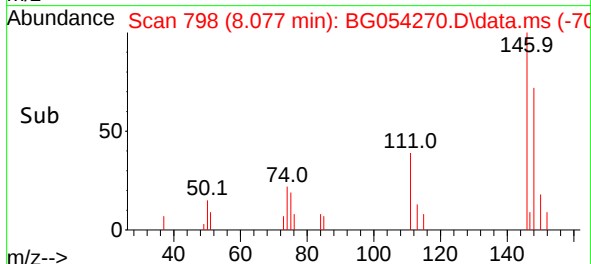
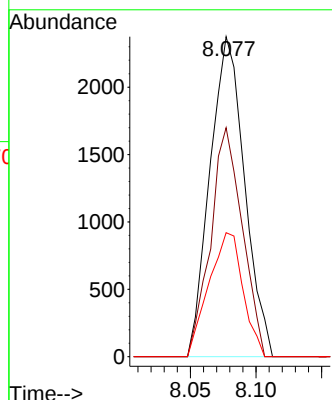
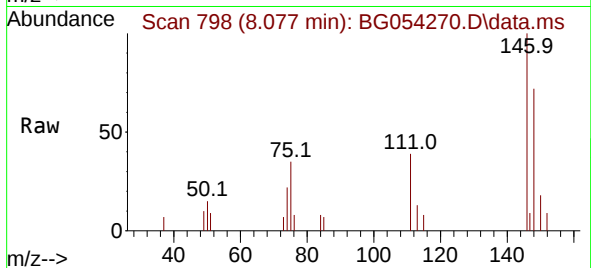
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:146	Resp:	435
Ion Ratio	Lower	Upper
146	100	
148	71.5	51.5 77.3
111	38.8	33.9 50.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#14

1,2-Dichlorobenzene

Concen: 3.883 ng

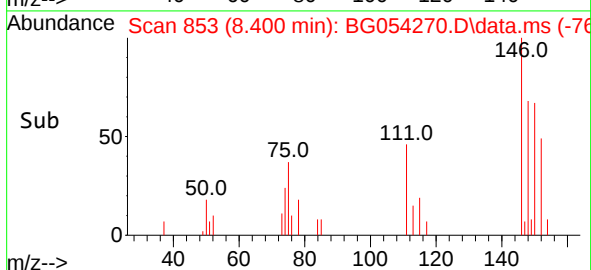
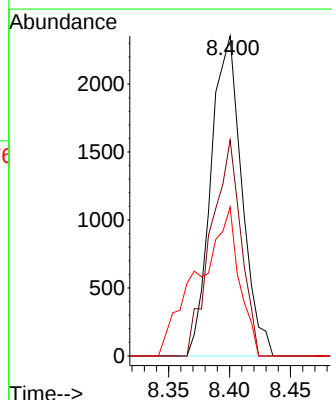
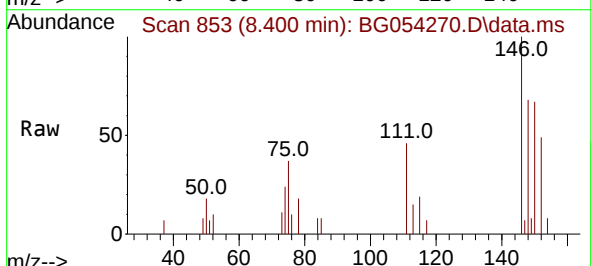
RT: 8.400 min Scan# 853

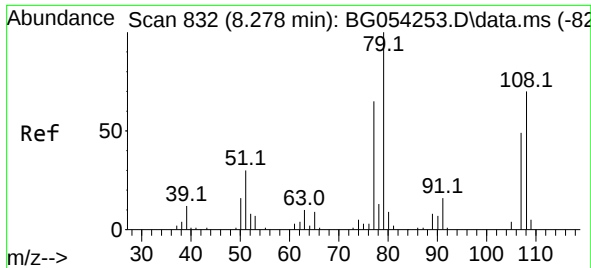
Delta R.T. -0.001 min

Lab File: BG054270.D

Acq: 13 Jul 2022 11:30

Tgt Ion:146	Resp:	4142
Ion Ratio	Lower	Upper
146	100	
148	67.5	52.6 78.8
111	46.4	34.5 51.7





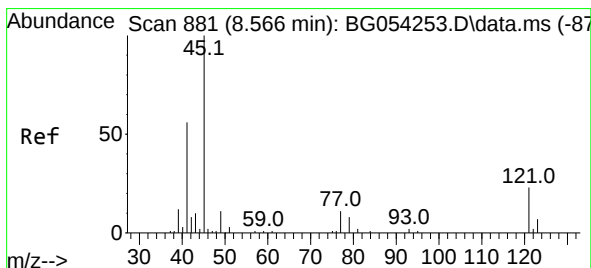
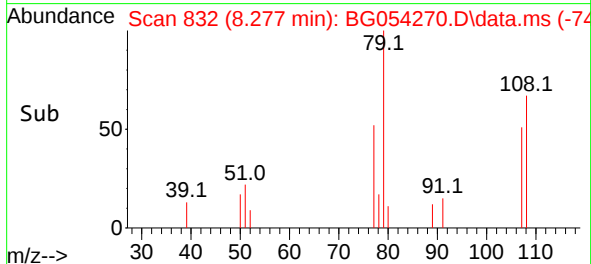
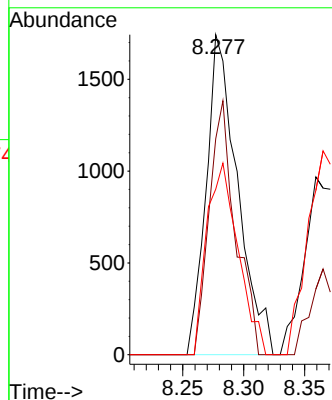
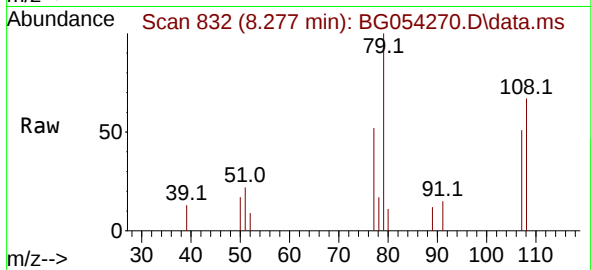
#15
Benzyl Alcohol
Concen: 3.529 ng
RT: 8.277 min Scan# 810
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion: 79 Resp: 3120
Ion Ratio Lower Upper
79 100
108 67.5 53.7 80.5
77 51.7 52.2 78.4

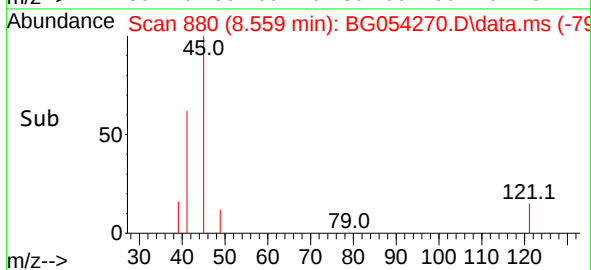
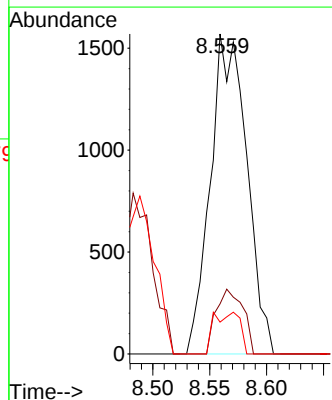
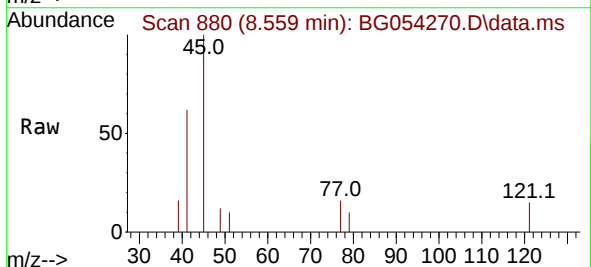
Manual Integrations
APPROVED

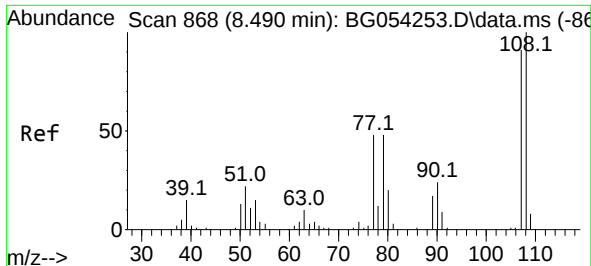
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.070 ng
RT: 8.559 min Scan# 880
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

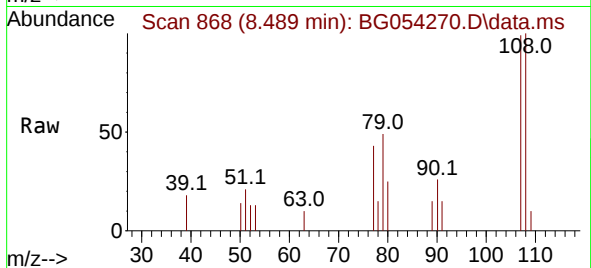
Tgt Ion: 45 Resp: 3485
Ion Ratio Lower Upper
45 100
77 15.7 0.0 32.7
79 9.9 0.0 29.7





#17
2-Methylphenol
Concen: 3.355 ng
RT: 8.489 min Scan# 80
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

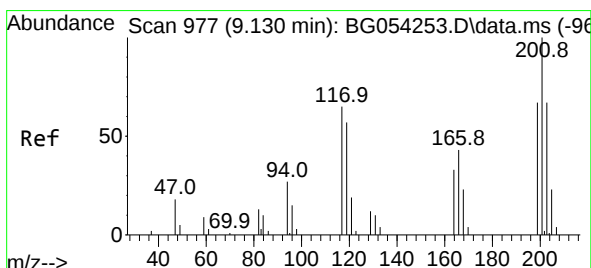
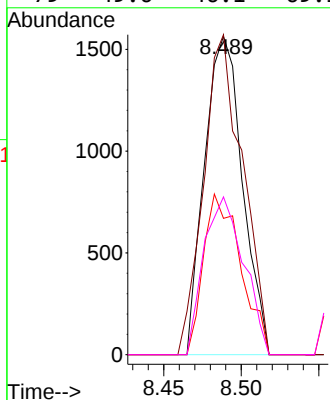
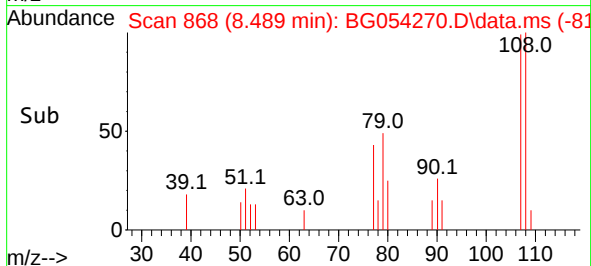
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



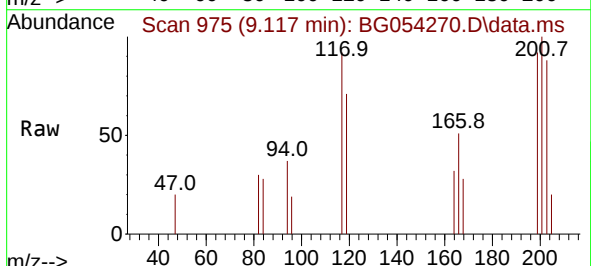
Tgt Ion:	107	Resp:	265
Ion	Ratio	Lower	Upper
107	100		
108	100.5	85.4	128.0
77	42.8	46.2	69.2
79	49.6	46.1	69.1

Manual Integrations
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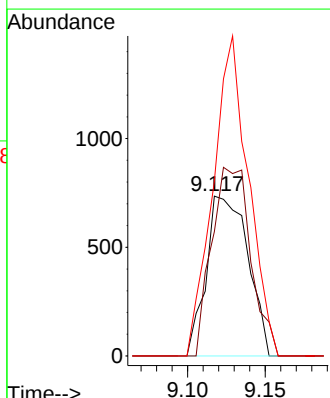
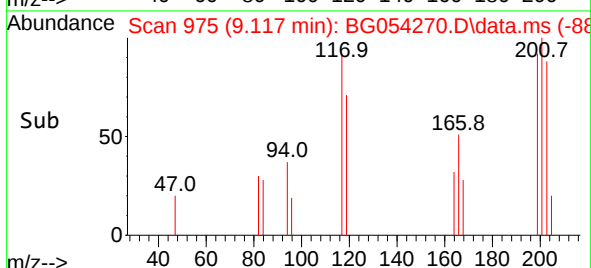
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

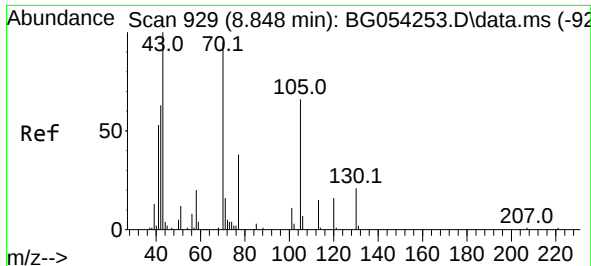


#18
Hexachloroethane
Concen: 3.622 ng
RT: 9.117 min Scan# 975
Delta R.T. -0.013 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



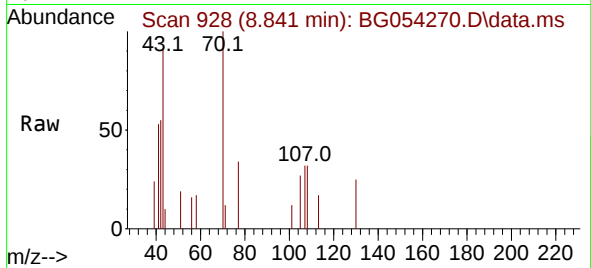
Tgt Ion:	117	Resp:	1369
Ion	Ratio	Lower	Upper
117	100		
119	77.8	75.0	112.6
201	109.3	89.0	133.6





#19
n-Nitroso-di-n-propylamine
Concen: 3.254 ng
RT: 8.841 min Scan# 91
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

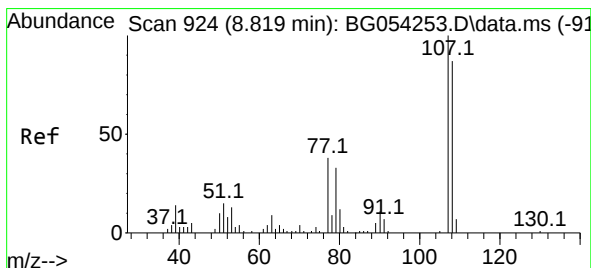
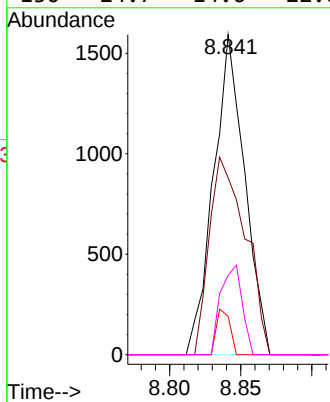
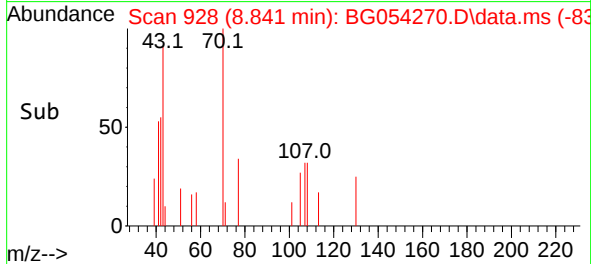
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 70 Resp: 244
Ion Ratio Lower Upper
70 100
42 55.2 47.3 70.9
101 12.0 7.0 10.4
130 24.7 14.6 22.0#

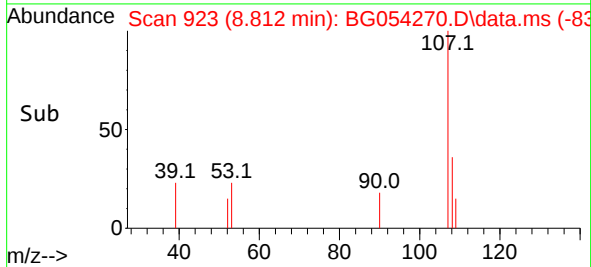
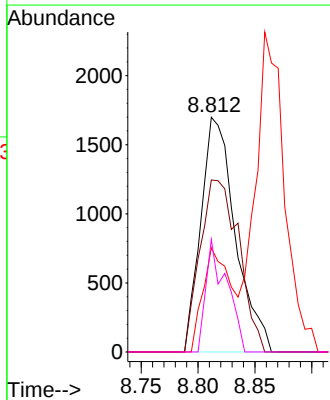
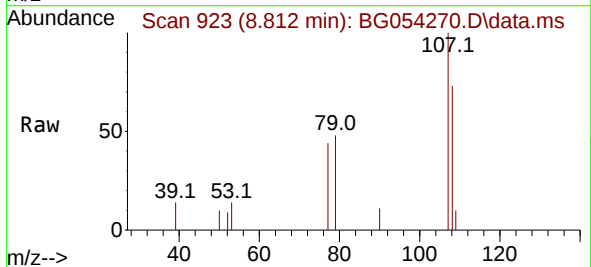
Manual Integrations
APPROVED

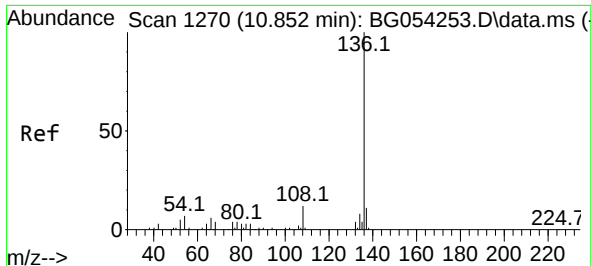
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#20
3+4-Methylphenols
Concen: 3.234 ng
RT: 8.812 min Scan# 923
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

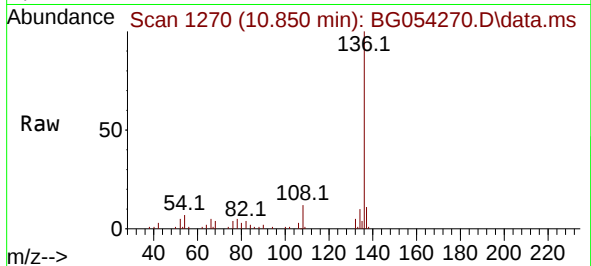
Tgt Ion:107 Resp: 3594
Ion Ratio Lower Upper
107 100
108 73.3 67.5 107.5
77 44.4 20.3 60.3
79 47.9 16.7 56.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.850 min Scan# 1083
Delta R.T. -0.002 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

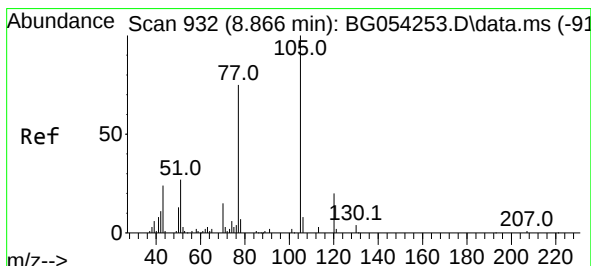
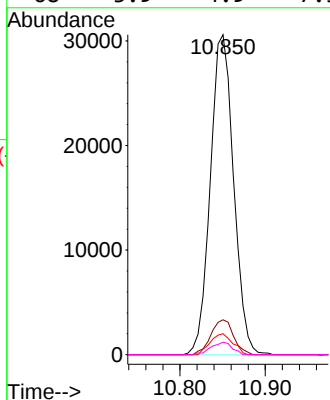
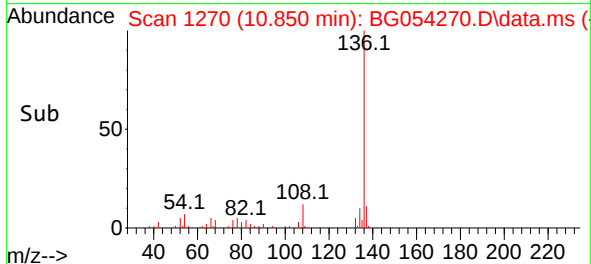
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:136 Resp: 5803
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 6.5 7.4 11.2
68 3.9 4.9 7.3#

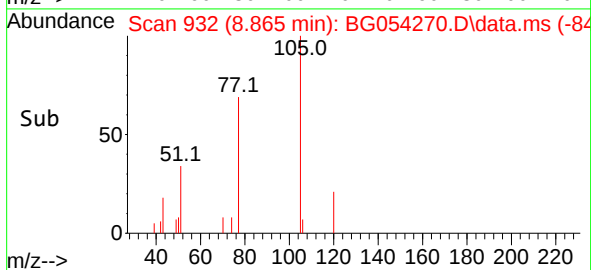
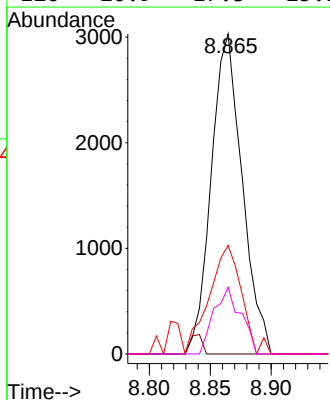
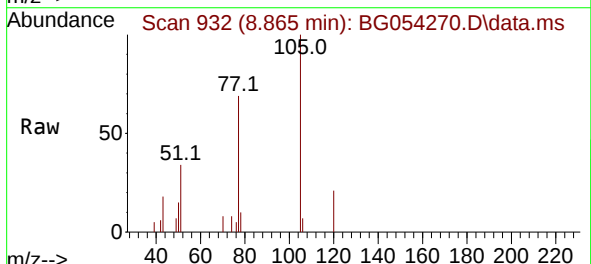
Manual Integrations
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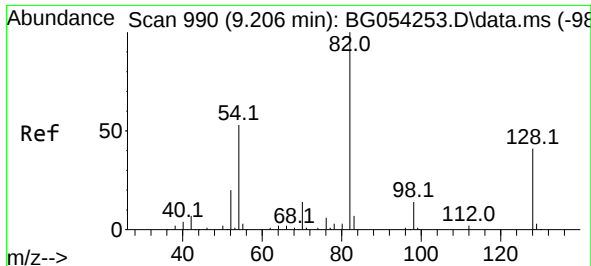
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#22
Acetophenone
Concen: 3.819 ng
RT: 8.865 min Scan# 932
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

Tgt Ion:105 Resp: 5356
Ion Ratio Lower Upper
105 100
71 0.0 1.1 1.7#
51 33.9 25.4 38.0
120 20.9 17.3 25.9





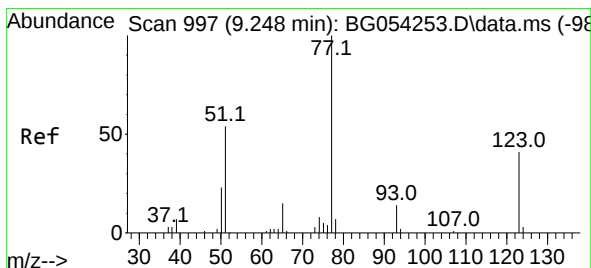
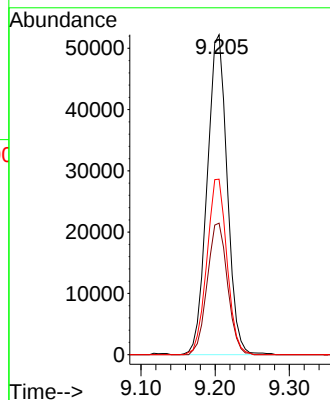
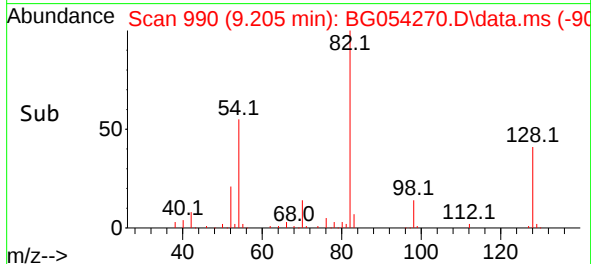
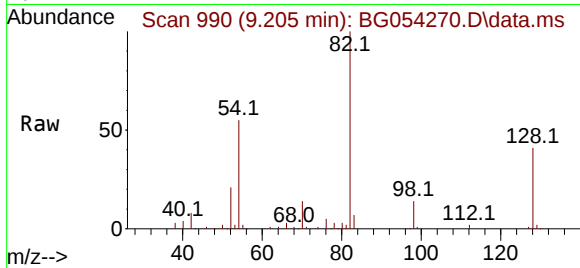
#23
Nitrobenzene-d5
Concen: 91.641 ng
RT: 9.205 min Scan# 990
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion: 82 Resp: 97998
Ion Ratio Lower Upper
82 100
128 41.1 27.9 41.9
54 54.9 41.2 61.8

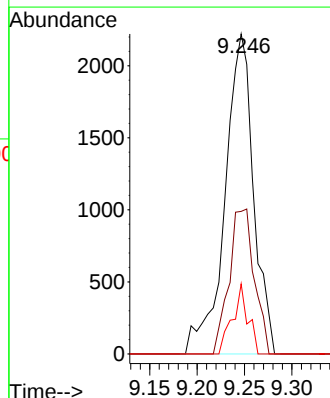
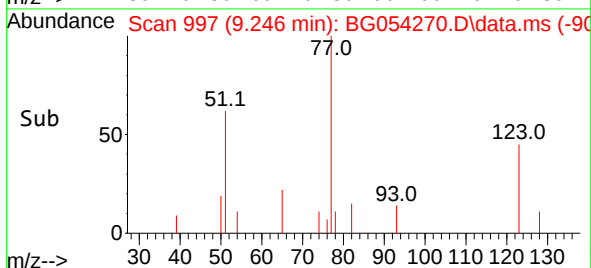
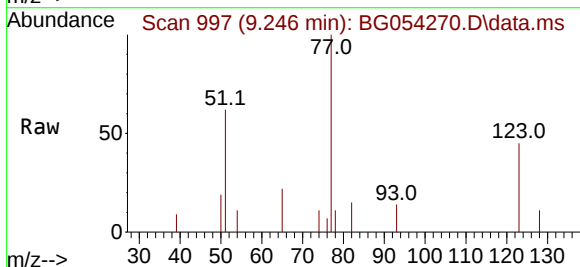
Manual Integrations
APPROVED

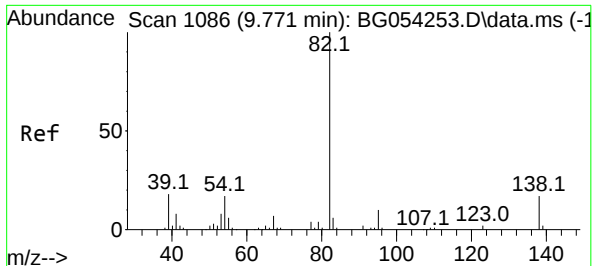
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#24
Nitrobenzene
Concen: 4.429 ng
RT: 9.246 min Scan# 997
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

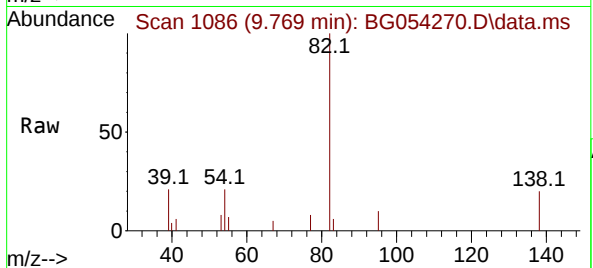
Tgt Ion: 77 Resp: 4656
Ion Ratio Lower Upper
77 100
123 44.5 27.4 41.0#
65 21.9 11.4 17.0#





#25
Isophorone
Concen: 3.611 ng
RT: 9.769 min Scan# 1086
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

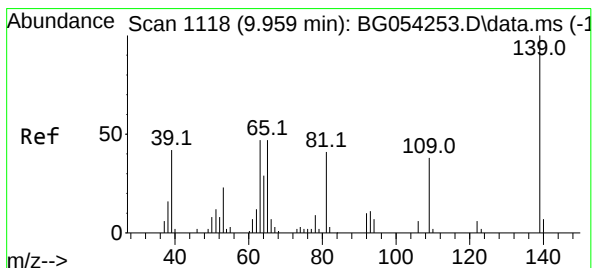
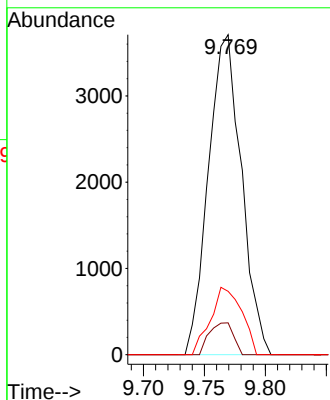
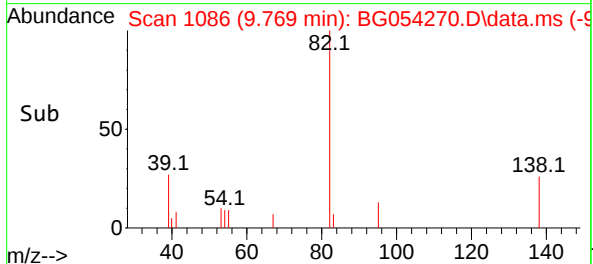
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



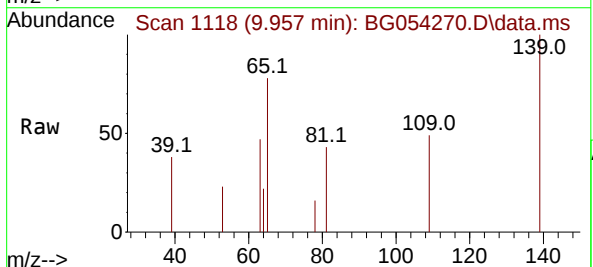
Tgt Ion: 82 Resp: 6980
Ion Ratio Lower Upper
82 100
95 9.9 6.2 9.4
138 19.8 11.6 17.4

Manual Integrations
APPROVED

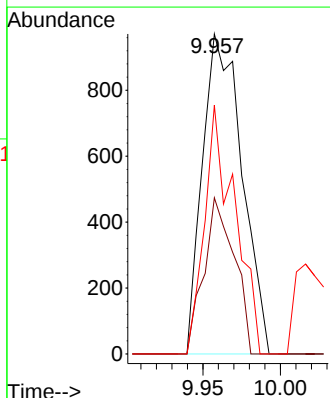
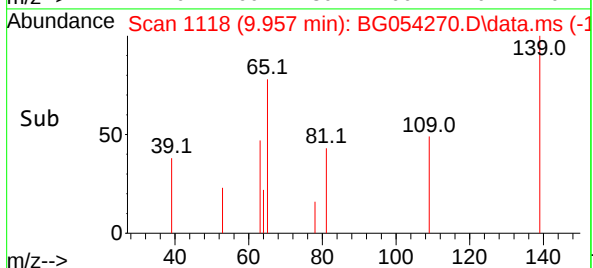
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

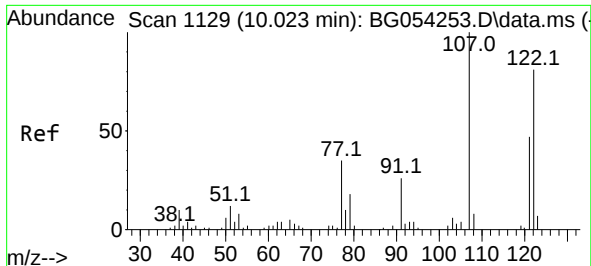


#26
2-Nitrophenol
Concen: 3.313 ng
RT: 9.957 min Scan# 1118
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



Tgt Ion:139 Resp: 1716
Ion Ratio Lower Upper
139 100
109 48.8 36.1 54.1
65 77.8 55.8 83.6





#27

2,4-Dimethylphenol

Concen: 4.185 ng

RT: 10.016 min Scan# 1129

Delta R.T. -0.007 min

Lab File: BG054270.D

Acq: 13 Jul 2022 11:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

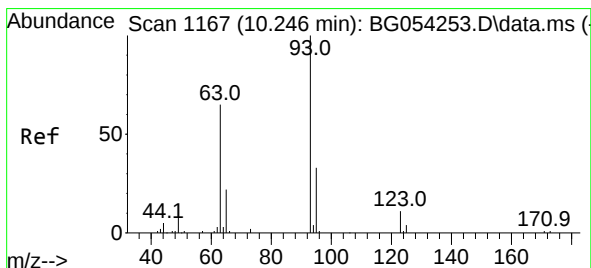
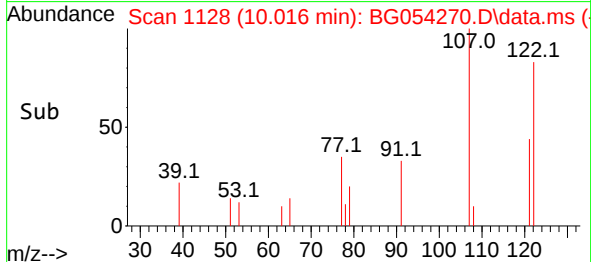
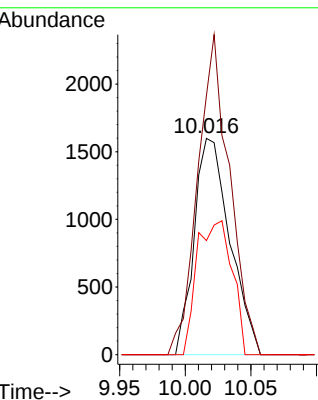
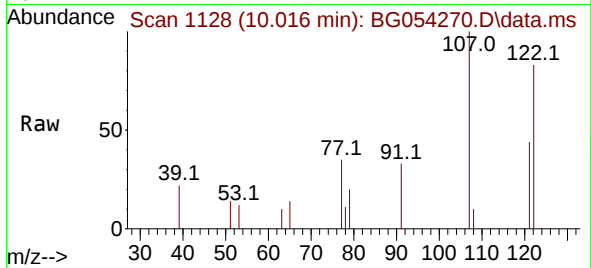
Tgt Ion:122 Resp: 3032
 Ion Ratio Lower Upper
 122 100
 107 119.8 109.4 164.0
 121 52.7 48.7 73.1

Manual Integrations

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Reviewed By :Christian Giraldo 07/14/2022

Supervised By :Jagrut Upadhyay 07/14/2022



#28

bis(2-Chloroethoxy)methane

Concen: 3.785 ng

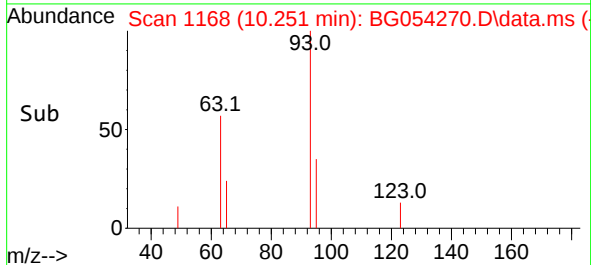
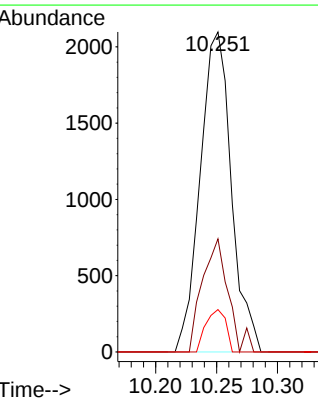
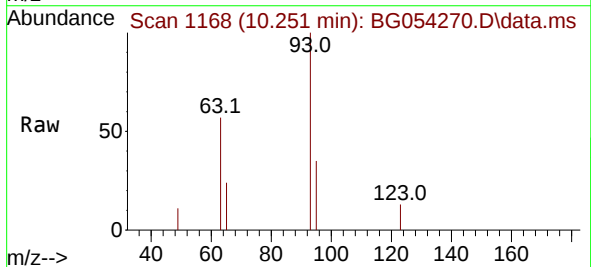
RT: 10.251 min Scan# 1168

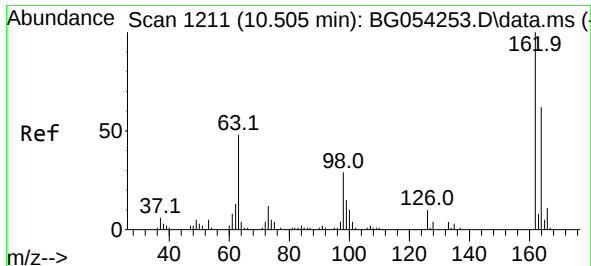
Delta R.T. 0.005 min

Lab File: BG054270.D

Acq: 13 Jul 2022 11:30

Tgt Ion: 93 Resp: 3727
 Ion Ratio Lower Upper
 93 100
 95 35.4 26.9 40.3
 123 13.3 7.7 11.5#





#29

2,4-Dichlorophenol

Concen: 3.380 ng

RT: 10.510 min Scan# 1212

Delta R.T. 0.005 min

Lab File: BG054270.D

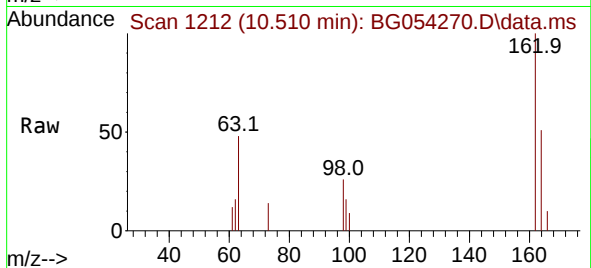
Acq: 13 Jul 2022 11:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:162 Resp: 3549

Ion Ratio Lower Upper

162 100

164 51.1 46.6 86.6

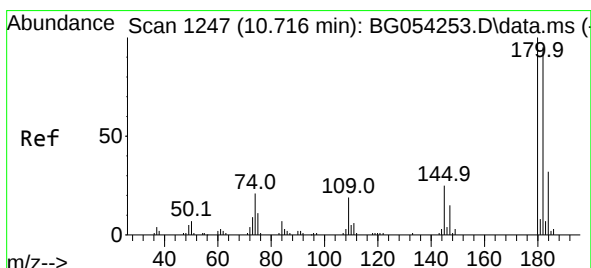
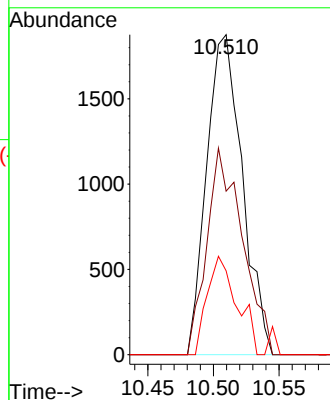
98 26.2 22.8 62.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/14/2022

Supervised By :Jagrut Upadhyay 07/14/2022



#30

1,2,4-Trichlorobenzene

Concen: 4.186 ng

RT: 10.715 min Scan# 1247

Delta R.T. -0.001 min

Lab File: BG054270.D

Acq: 13 Jul 2022 11:30

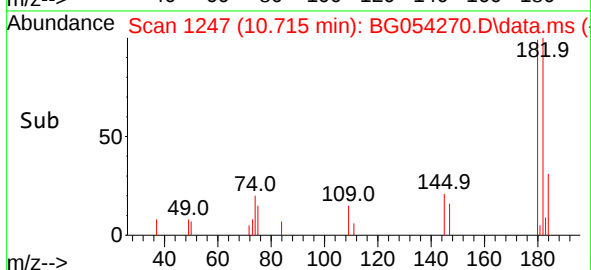
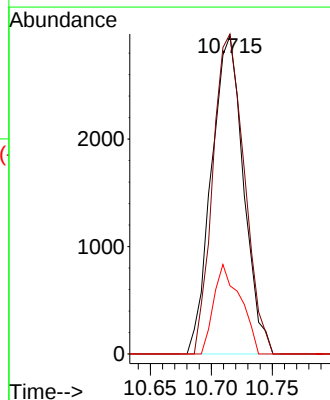
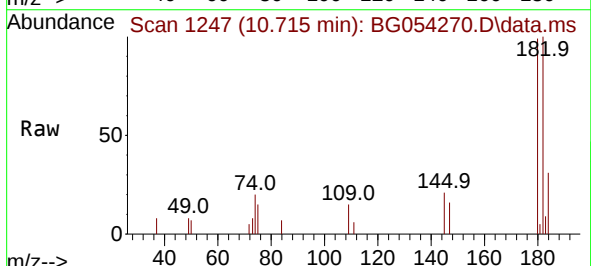
Tgt Ion:180 Resp: 5423

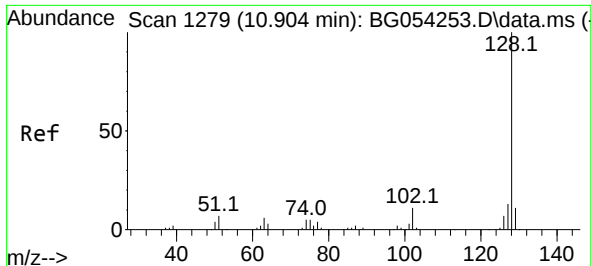
Ion Ratio Lower Upper

180 100

182 100.6 76.6 115.0

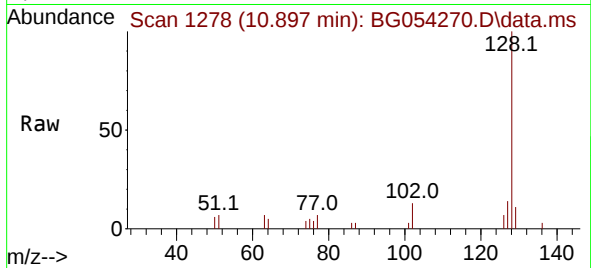
145 21.4 25.0 37.4#





#31
Naphthalene
Concen: 3.729 ng
RT: 10.897 min Scan# 1278
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

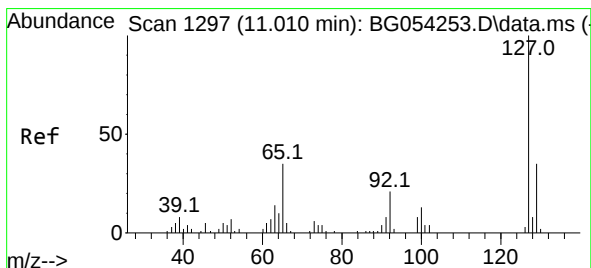
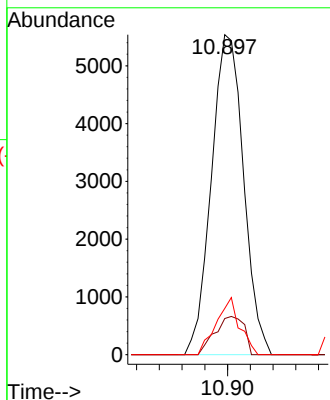
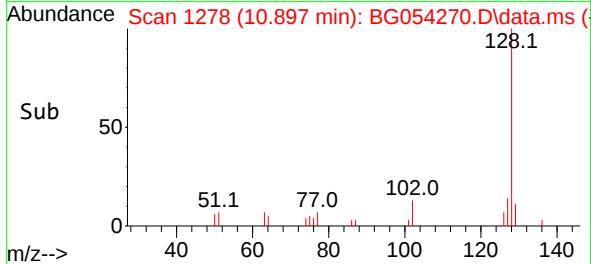
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



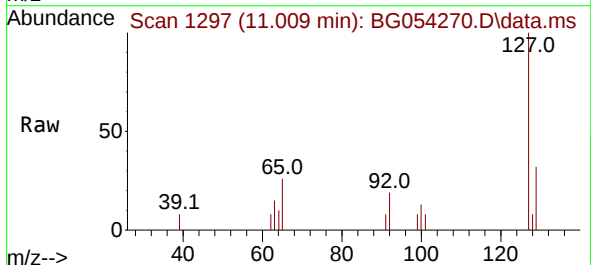
Tgt Ion:128 Resp: 1088
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 14.4 11.1 16.7

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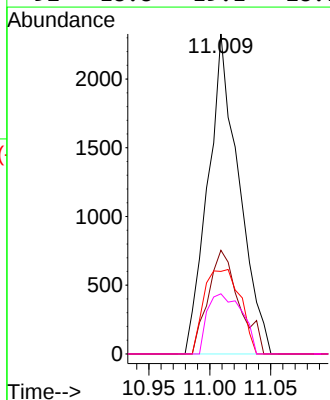
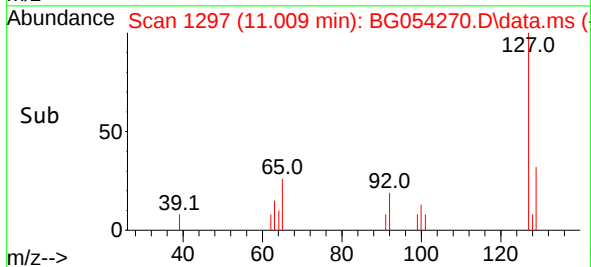
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

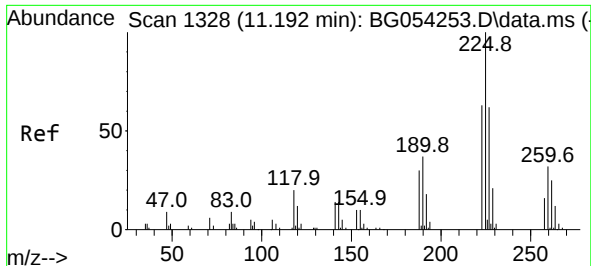


#33
4-Chloroaniline
Concen: 3.382 ng
RT: 11.009 min Scan# 1297
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



Tgt Ion:127 Resp: 4104
Ion Ratio Lower Upper
127 100
129 32.4 26.3 39.5
65 25.8 31.1 46.7#
92 18.8 19.1 28.7#





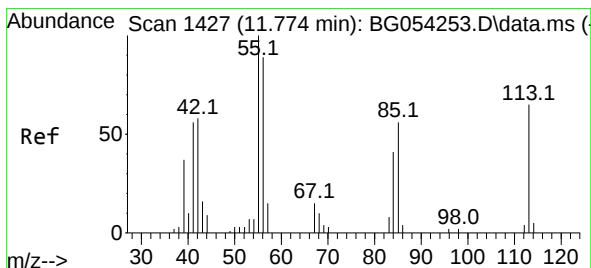
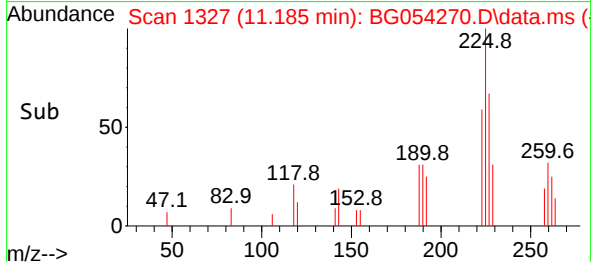
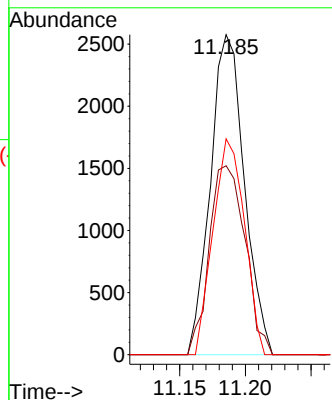
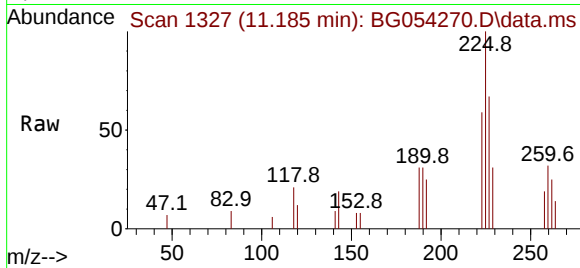
#34
Hexachlorobutadiene
Concen: 4.307 ng
RT: 11.185 min Scan# 1118
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:225 Resp: 4630
Ion Ratio Lower Upper
225 100
223 59.0 48.9 73.3
227 67.4 52.8 79.2

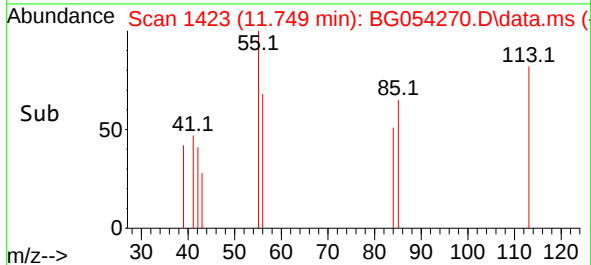
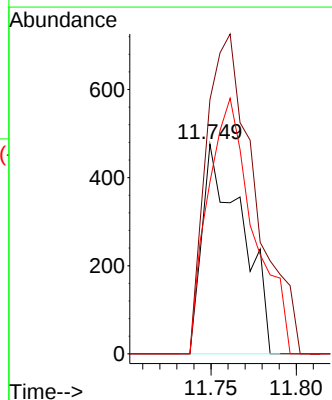
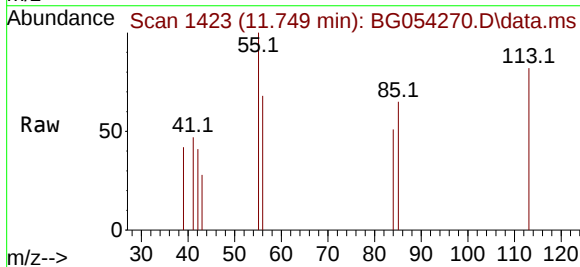
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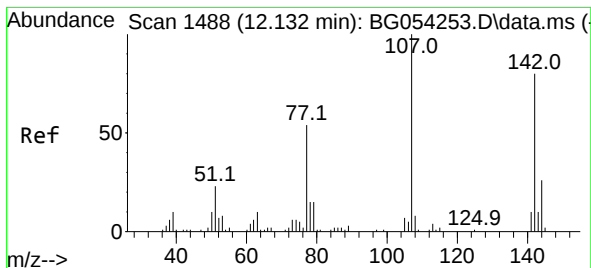
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#35
Caprolactam
Concen: 2.558 ng
RT: 11.749 min Scan# 1423
Delta R.T. -0.025 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

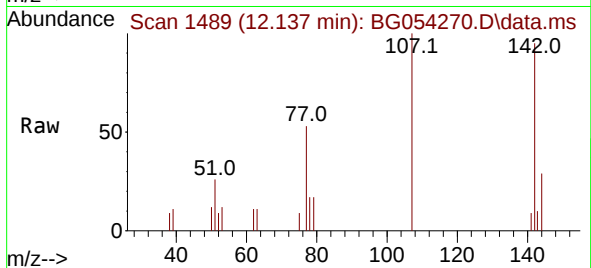
Tgt Ion:113 Resp: 765
Ion Ratio Lower Upper
113 100
55 121.2 169.8 209.8#
56 81.9 141.2 181.2#





#36
4-Chloro-3-methylphenol
Concen: 3.202 ng
RT: 12.137 min Scan# 1488
Delta R.T. 0.005 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

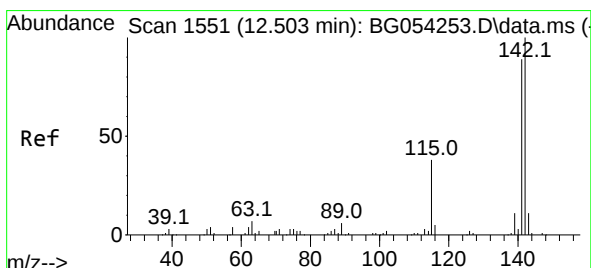
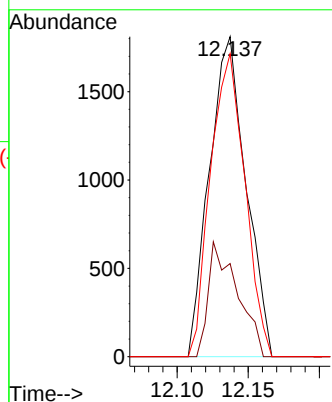
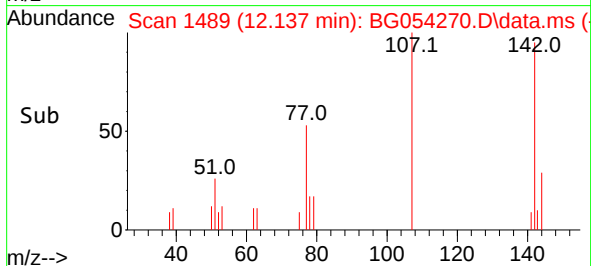
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



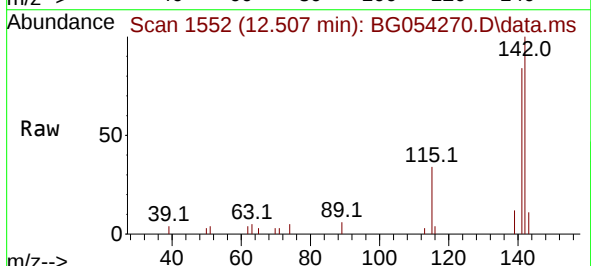
Tgt Ion:107 Resp: 323
Ion Ratio Lower Upper
107 100
144 29.1 18.5 27.7
142 94.7 55.0 82.4

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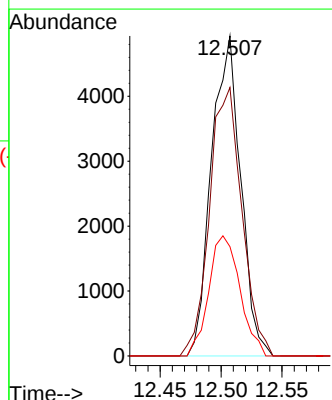
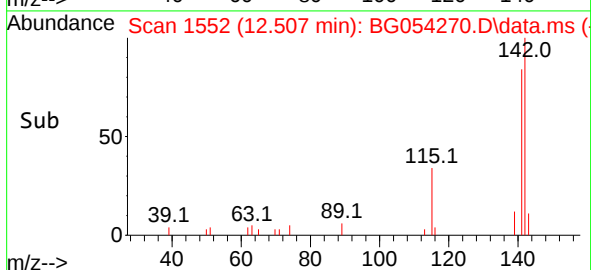
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

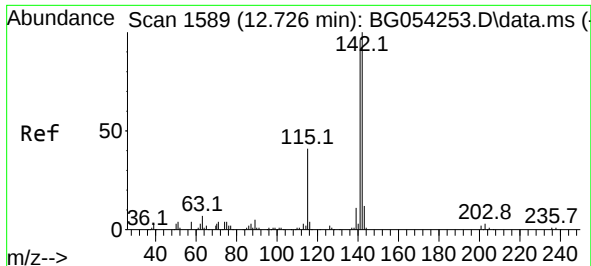


#37
2-Methylnaphthalene
Concen: 3.674 ng
RT: 12.507 min Scan# 1552
Delta R.T. 0.005 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



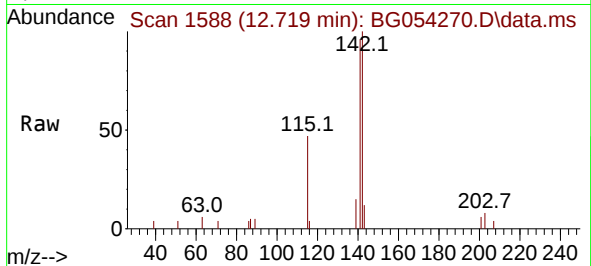
Tgt Ion:142 Resp: 8216
Ion Ratio Lower Upper
142 100
141 83.9 72.3 108.5
115 34.2 33.7 50.5





#38
1-Methylnaphthalene
Concen: 3.697 ng
RT: 12.719 min Scan# 1588
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

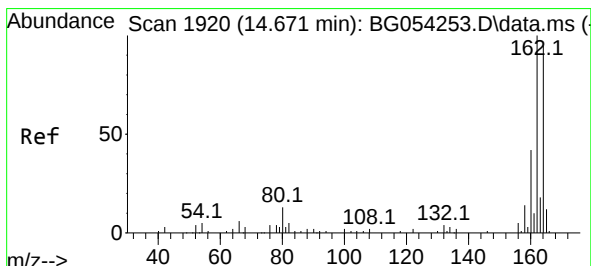
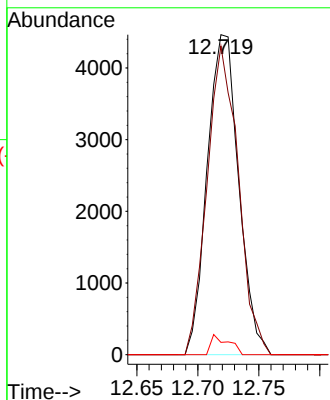
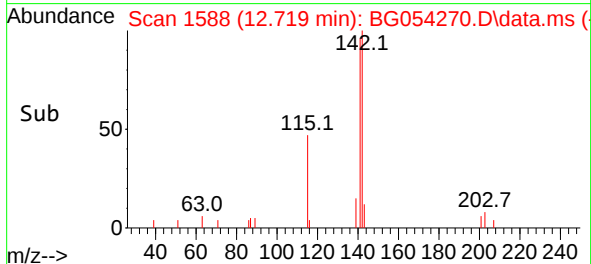
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



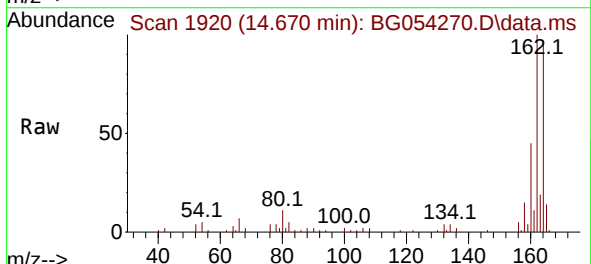
Tgt Ion:142 Resp: 8028
Ion Ratio Lower Upper
142 100
141 96.5 76.4 114.6
116 3.9 3.3 4.9

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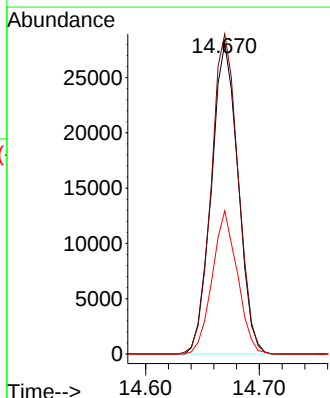
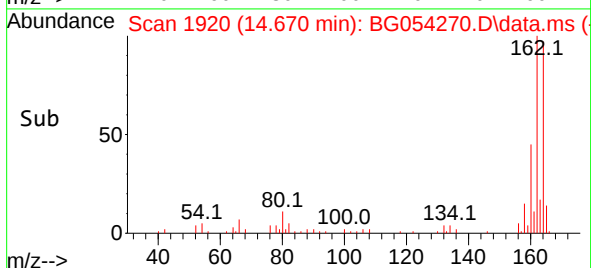
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

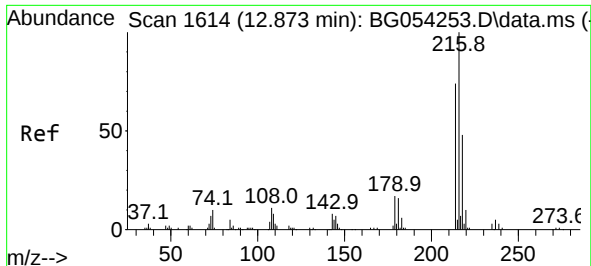


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.670 min Scan# 1920
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



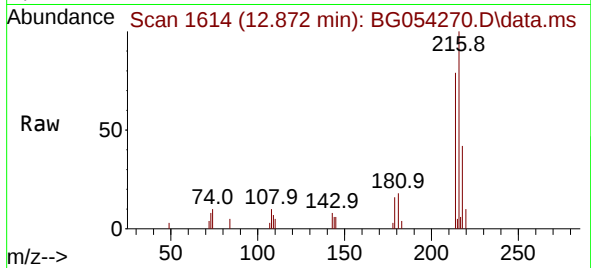
Tgt Ion:164 Resp: 45854
Ion Ratio Lower Upper
164 100
162 103.0 82.3 123.5
160 46.1 34.2 51.2





#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.445 ng
RT: 12.872 min Scan# 1610
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

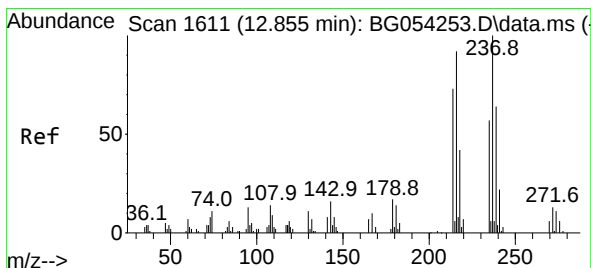
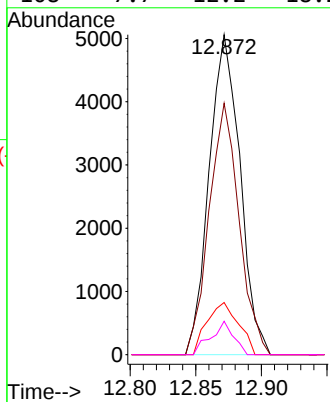
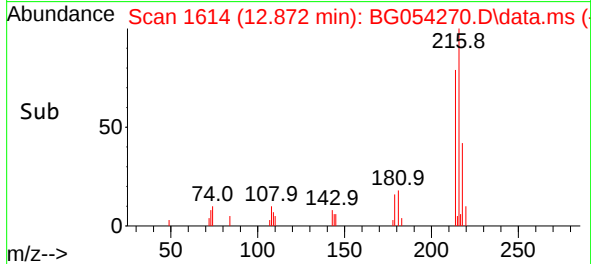
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



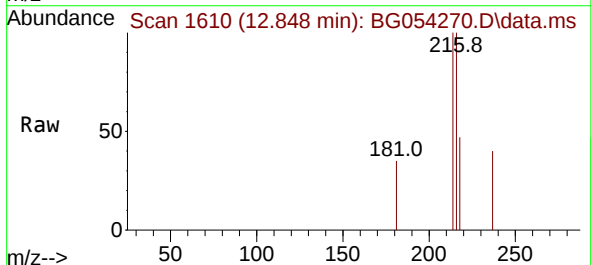
Tgt Ion:216 Resp: 8274
Ion Ratio Lower Upper
216 100
214 76.5 62.9 94.3
179 16.7 16.1 24.1
108 7.7 12.2 18.2#

Manual Integrations
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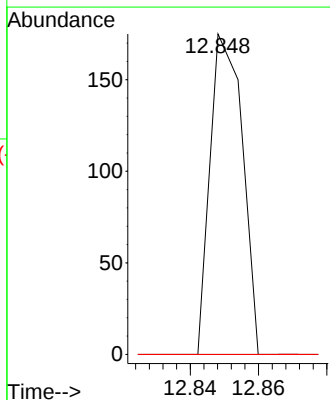
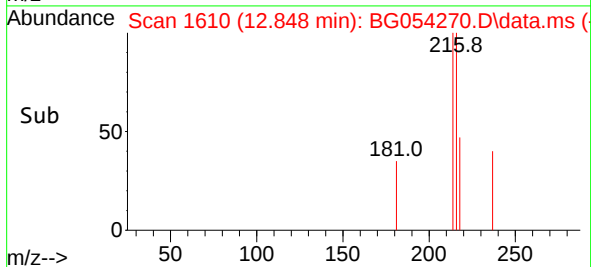
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

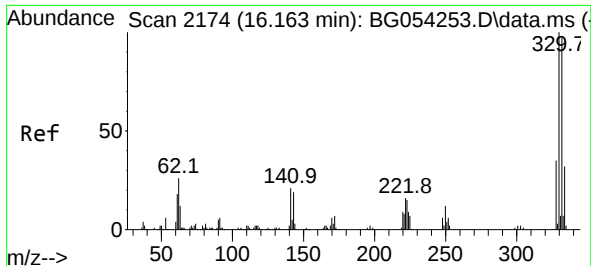


#41
Hexachlorocyclopentadiene
Concen: 0.247 ng
RT: 12.848 min Scan# 1610
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



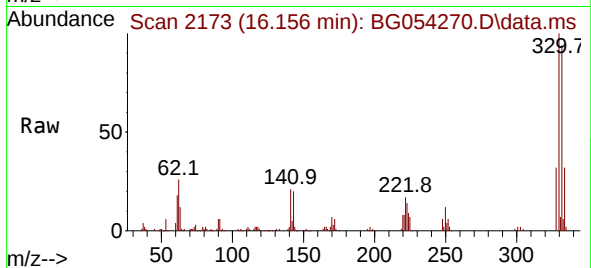
Tgt Ion:237 Resp: 115
Ion Ratio Lower Upper
237 100
235 0.0 43.5 83.5#
272 0.0 0.0 30.1





#42
2,4,6-Tribromophenol
Concen: 136.095 ng
RT: 16.156 min Scan# 2173
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

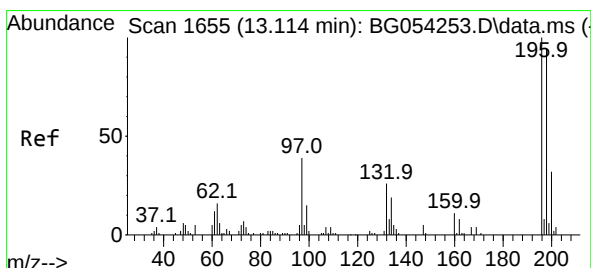
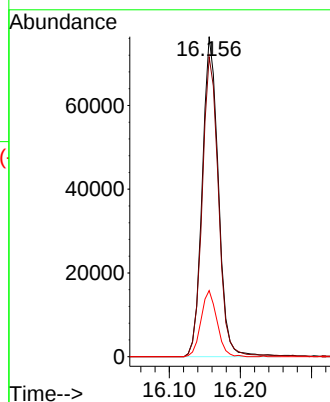
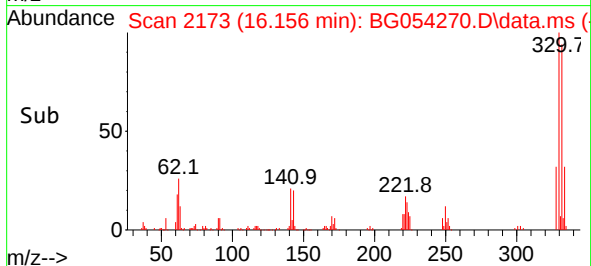
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



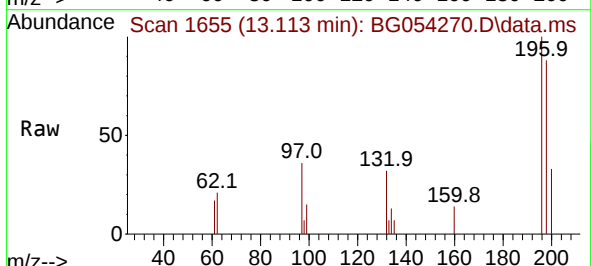
Tgt Ion:330 Resp: 12088
Ion Ratio Lower Upper
330 100
332 94.5 76.0 114.0
141 20.4 27.1 40.7

Manual Integrations
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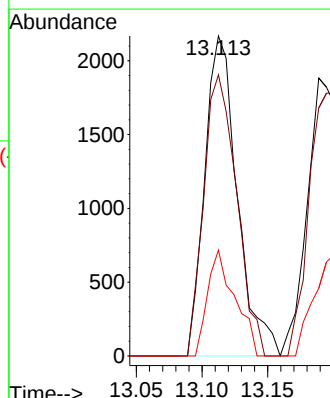
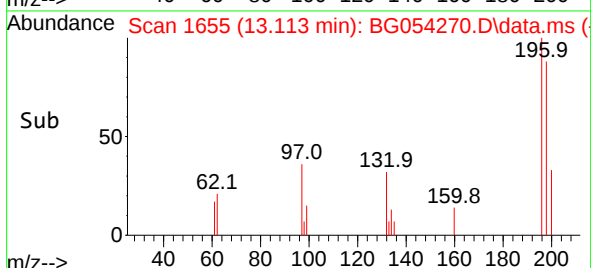
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

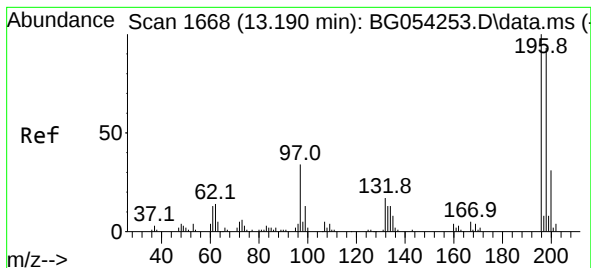


#43
2,4,6-Trichlorophenol
Concen: 3.492 ng
RT: 13.113 min Scan# 1655
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



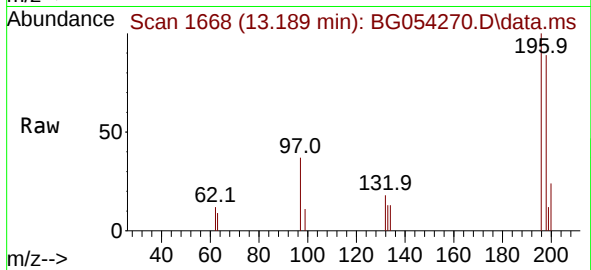
Tgt Ion:196 Resp: 3733
Ion Ratio Lower Upper
196 100
198 87.9 74.1 111.1
200 33.1 24.7 37.1





#44
2,4,5-Trichlorophenol
Concen: 3.410 ng
RT: 13.189 min Scan# 1668
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

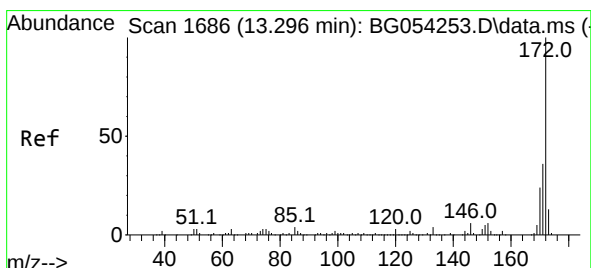
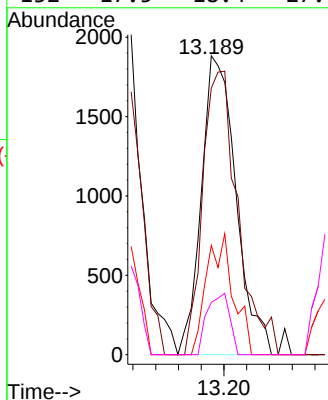
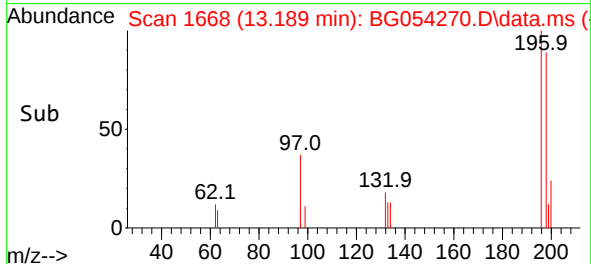
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



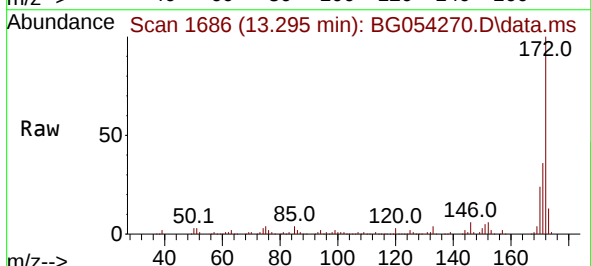
Tgt Ion:196 Resp: 398
Ion Ratio Lower Upper
196 100
198 89.2 76.8 115.2
97 36.5 39.8 59.6
132 17.5 18.4 27.6#

Manual Integrations
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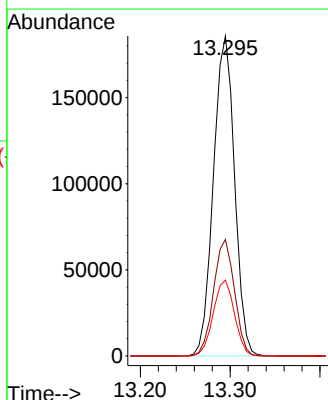
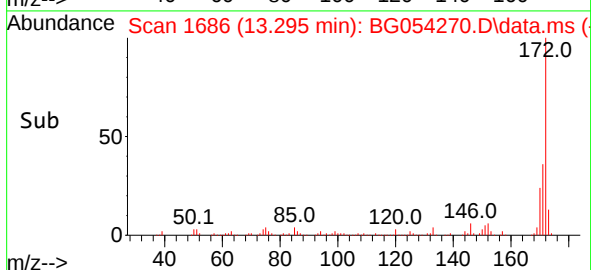
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

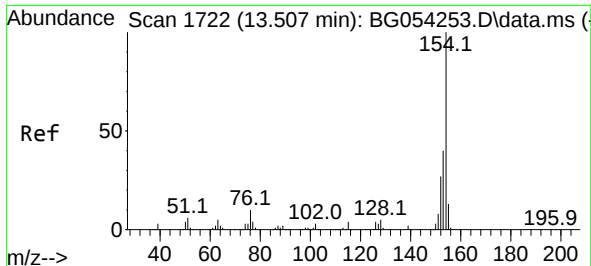


#45
2-Fluorobiphenyl
Concen: 97.157 ng
RT: 13.295 min Scan# 1686
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



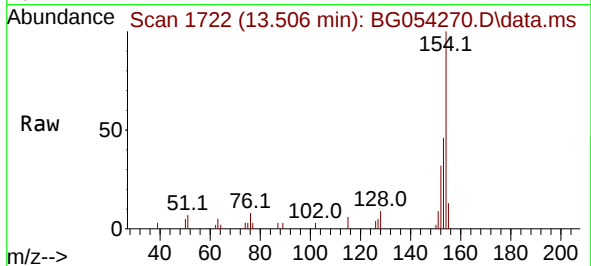
Tgt Ion:172 Resp: 303198
Ion Ratio Lower Upper
172 100
171 36.4 28.5 42.7
170 23.7 18.9 28.3





#46
1,1'-Biphenyl
Concen: 4.069 ng
RT: 13.506 min Scan# 1722
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

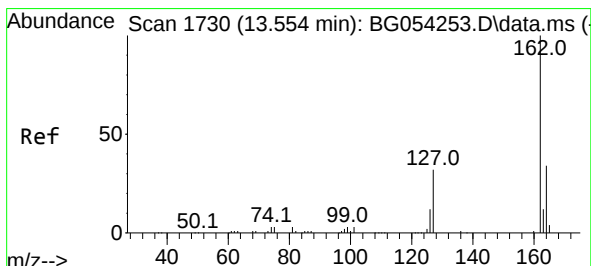
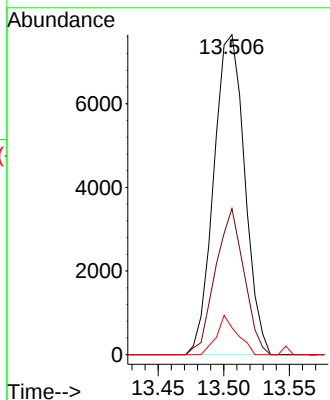
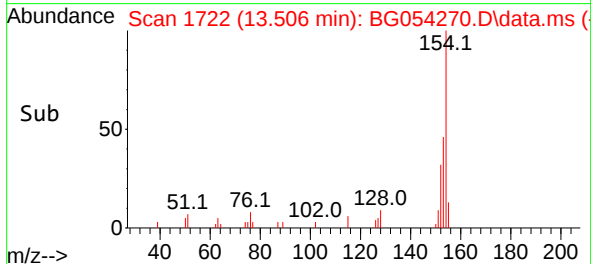
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



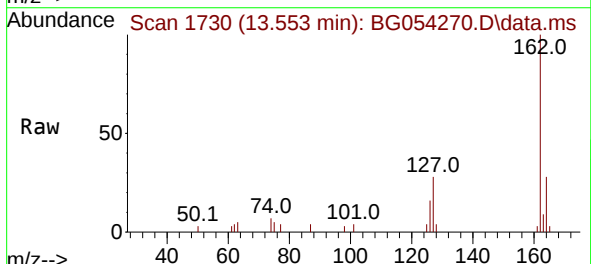
Tgt Ion:154 Resp: 12540
Ion Ratio Lower Upper
154 100
153 45.6 21.6 61.6
76 8.4 0.0 32.6

Manual Integrations
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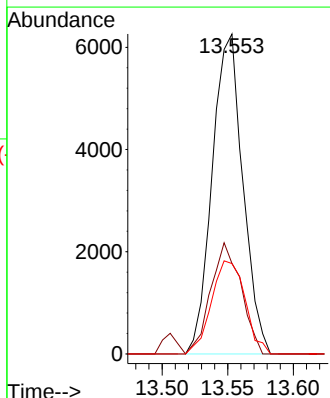
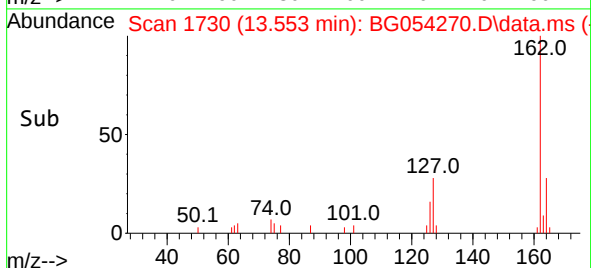
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

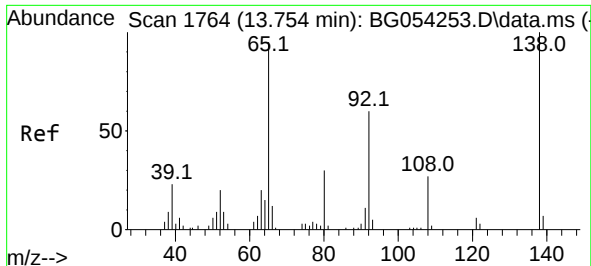


#47
2-Chloronaphthalene
Concen: 3.945 ng
RT: 13.553 min Scan# 1730
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



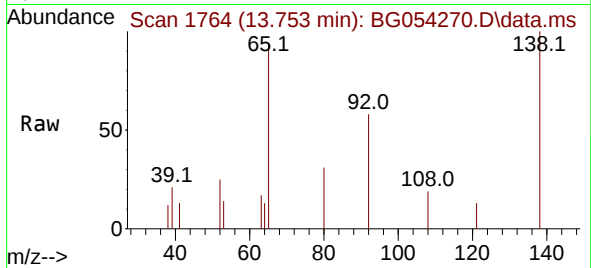
Tgt Ion:162 Resp: 10169
Ion Ratio Lower Upper
162 100
127 28.3 30.6 45.8#
164 28.2 26.5 39.7





#48
2-Nitroaniline
Concen: 3.159 ng
RT: 13.753 min Scan# 1764
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

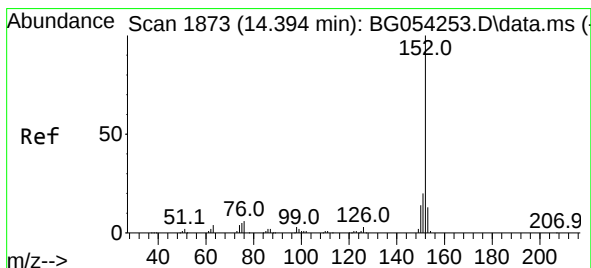
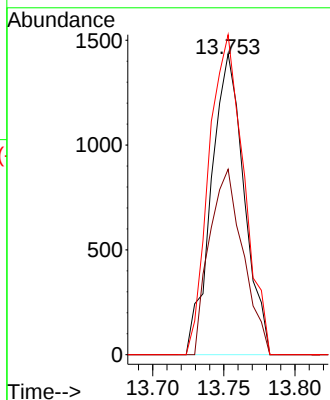
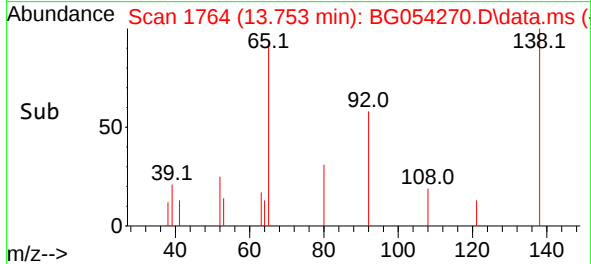
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



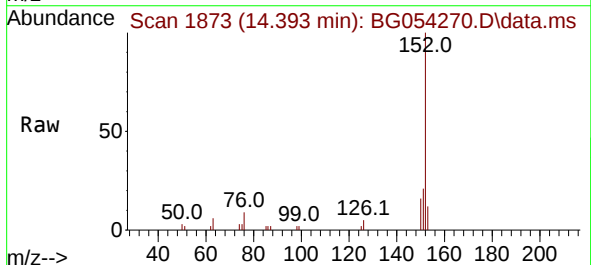
Tgt Ion: 65 Resp: 230
Ion Ratio Lower Upper
65 100
92 61.6 51.5 77.3
138 106.3 71.3 106.9

Manual Integrations
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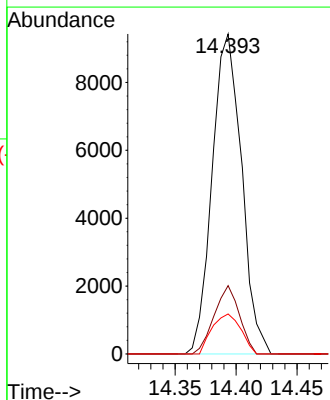
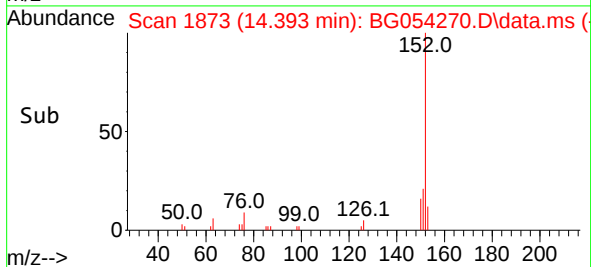
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

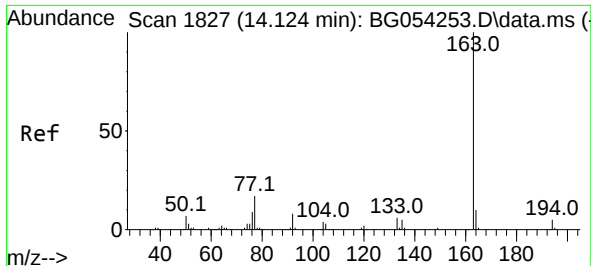


#49
Acenaphthylene
Concen: 4.047 ng
RT: 14.393 min Scan# 1873
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



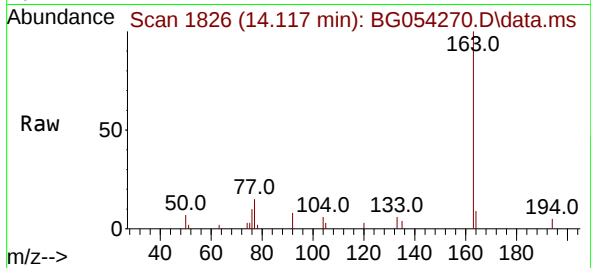
Tgt Ion:152 Resp: 15828
Ion Ratio Lower Upper
152 100
151 21.4 16.4 24.6
153 12.5 10.8 16.2





#50
Dimethylphthalate
Concen: 3.856 ng
RT: 14.117 min Scan# 1826
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

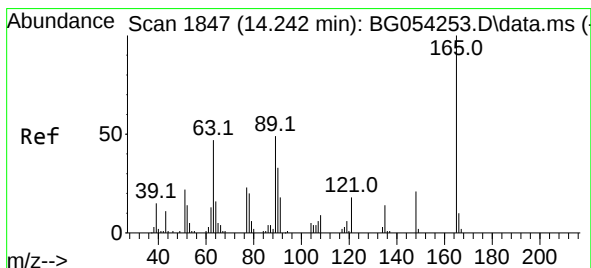
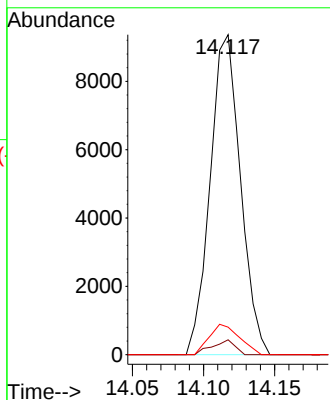
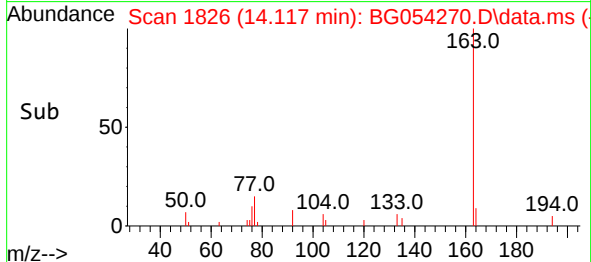
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



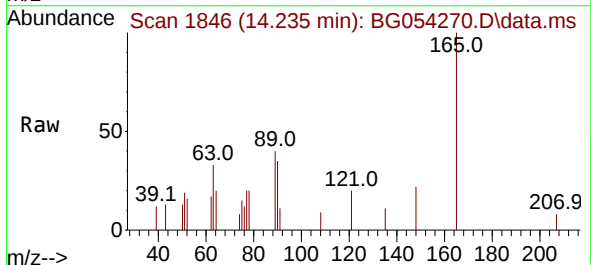
Tgt Ion:163 Resp: 1388
Ion Ratio Lower Upper
163 100
194 4.7 3.0 4.6
164 8.6 8.0 12.0

Manual Integrations
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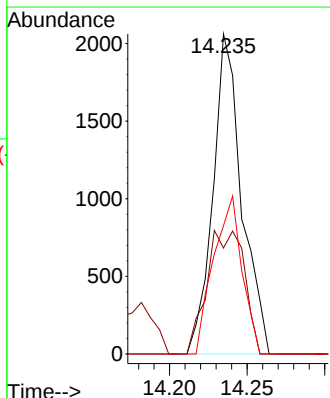
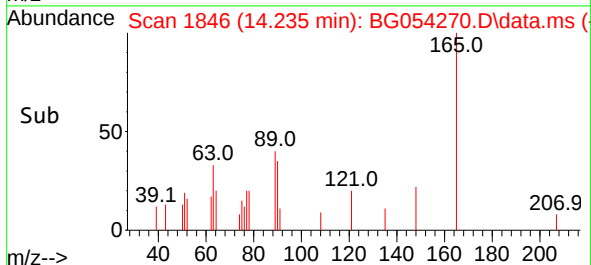
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

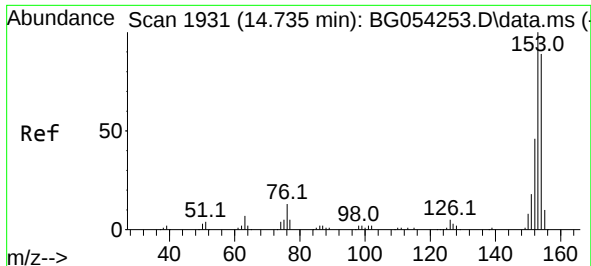


#51
2,6-Dinitrotoluene
Concen: 3.397 ng
RT: 14.235 min Scan# 1846
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



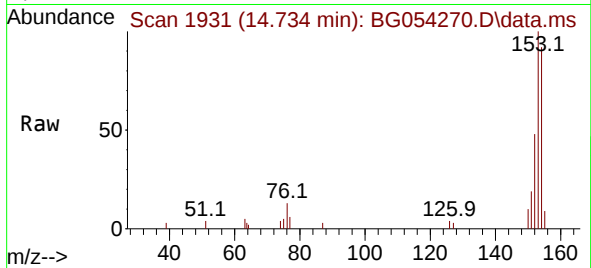
Tgt Ion:165 Resp: 2658
Ion Ratio Lower Upper
165 100
63 33.1 54.1 81.1#
89 40.1 54.8 82.2#





#52
Acenaphthene
Concen: 3.836 ng
RT: 14.734 min Scan# 1931
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

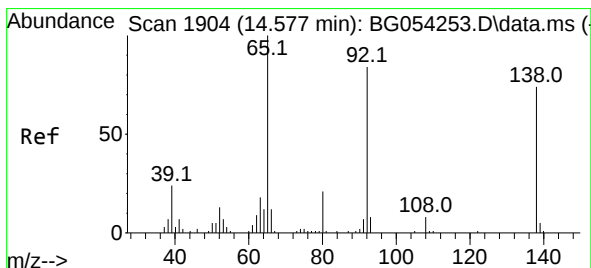
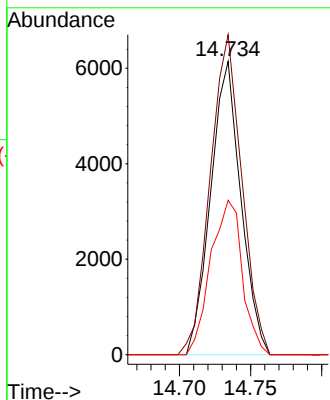
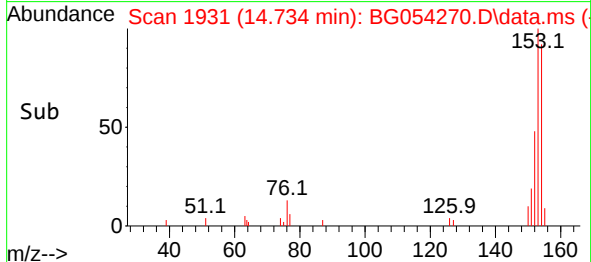
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:154 Resp: 9074
Ion Ratio Lower Upper
154 100
153 109.1 92.7 139.1
152 52.7 42.6 64.0

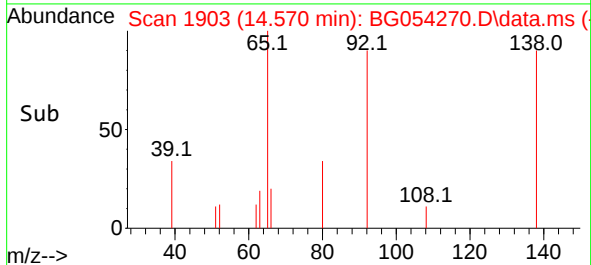
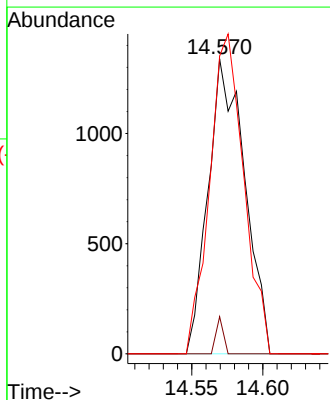
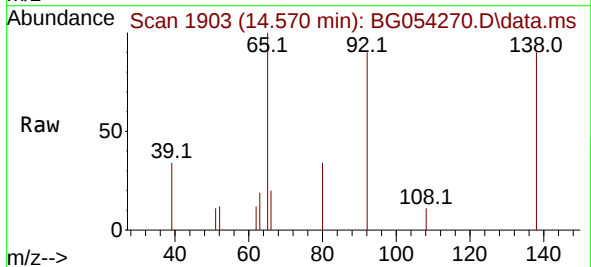
Manual Integrations
APPROVED

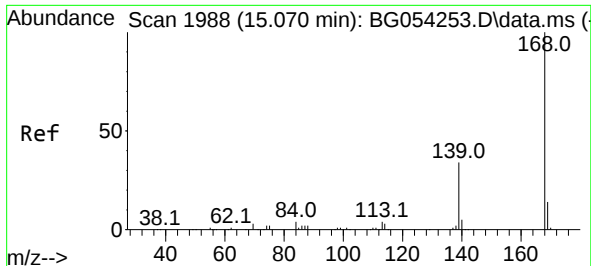
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#53
3-Nitroaniline
Concen: 3.457 ng
RT: 14.570 min Scan# 1903
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

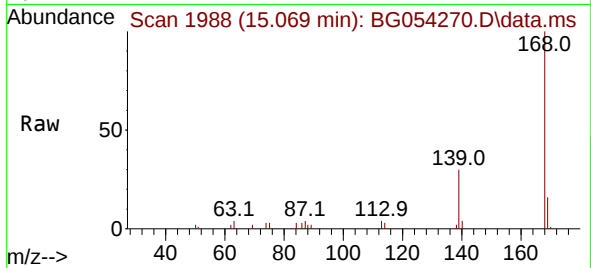
Tgt Ion:138 Resp: 2398
Ion Ratio Lower Upper
138 100
108 12.6 9.2 13.8
92 101.0 101.9 152.9#





#55
Dibenzofuran
Concen: 3.991 ng
RT: 15.069 min Scan# 1988
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

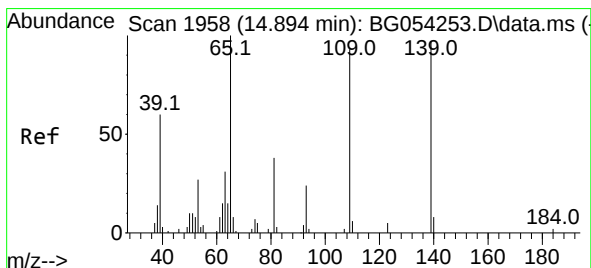
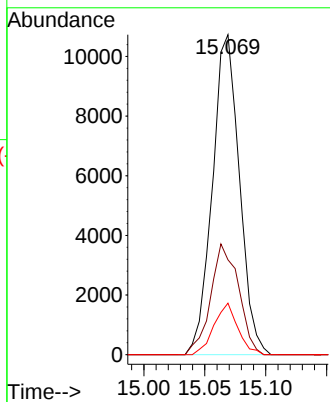
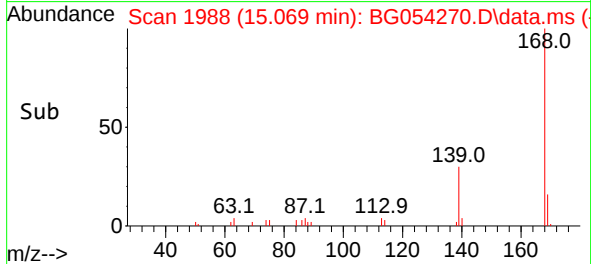
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:168 Resp: 1658
Ion Ratio Lower Upper
168 100
139 29.6 30.5 45.7
169 16.1 10.3 15.5

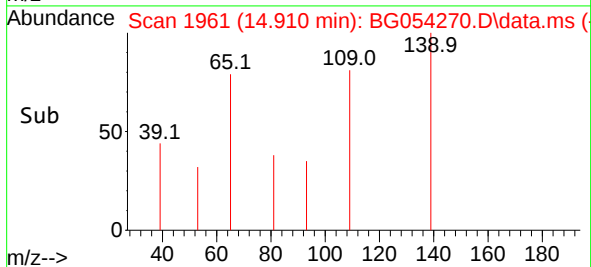
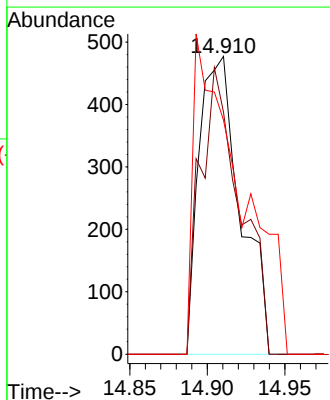
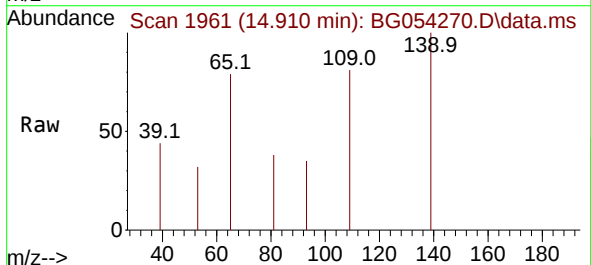
Manual Integrations
APPROVED

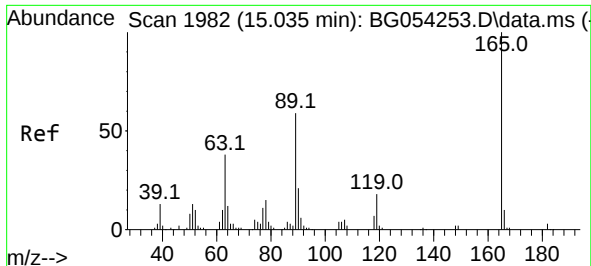
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#56
4-Nitrophenol
Concen: 1.977 ng
RT: 14.910 min Scan# 1961
Delta R.T. 0.016 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

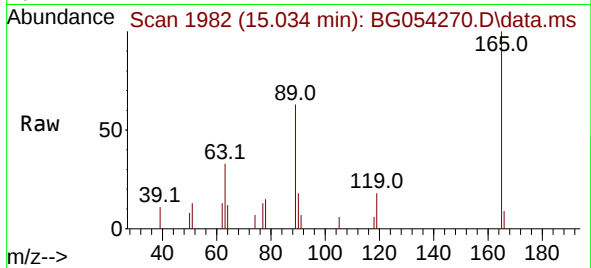
Tgt Ion:139 Resp: 881
Ion Ratio Lower Upper
139 100
109 81.3 88.5 128.5#
65 78.6 93.9 133.9#





#57
2,4-Dinitrotoluene
Concen: 3.272 ng
RT: 15.034 min Scan# 1982
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

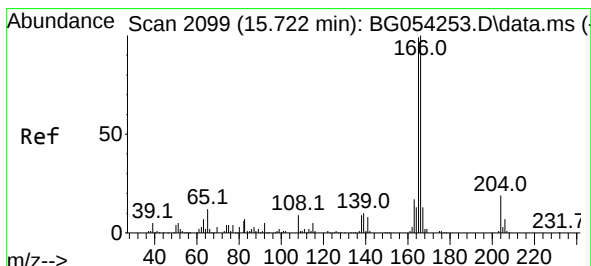
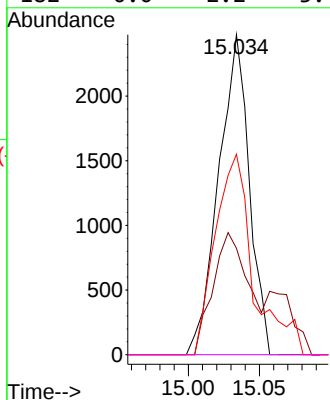
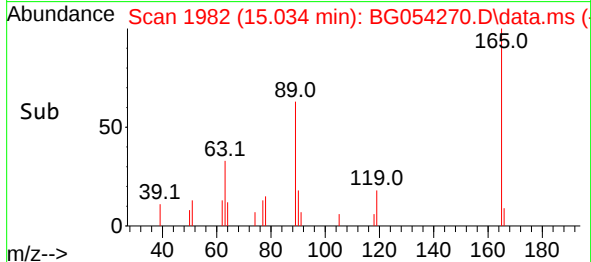
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



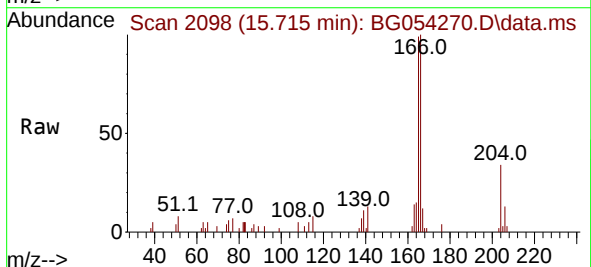
Tgt Ion:165 Resp: 3708
Ion Ratio Lower Upper
165 100
63 33.3 34.6 52.0
89 62.7 60.3 90.5
182 0.0 2.2 3.4#

Manual Integrations
APPROVED

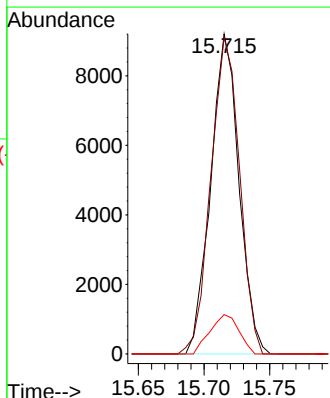
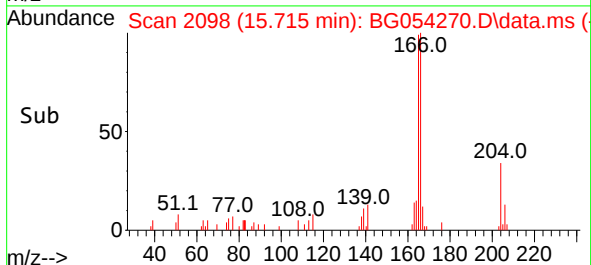
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

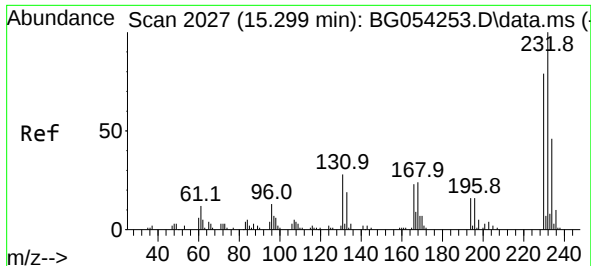


#58
Fluorene
Concen: 3.998 ng
RT: 15.715 min Scan# 2098
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



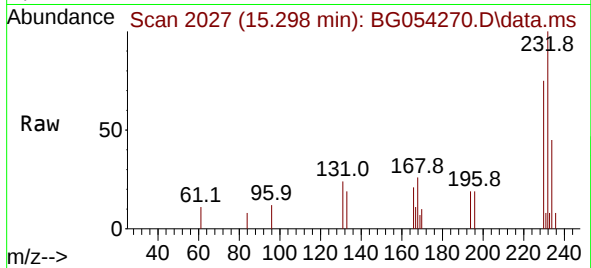
Tgt Ion:166 Resp: 13797
Ion Ratio Lower Upper
166 100
165 99.0 75.0 112.6
167 12.3 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.165 ng
RT: 15.298 min Scan# 2027
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

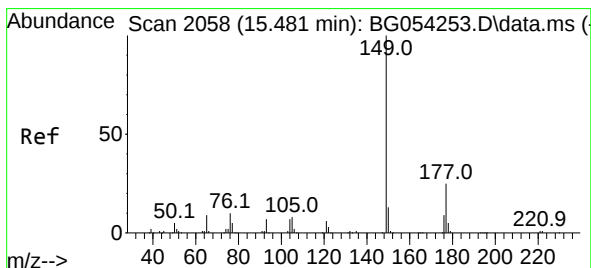
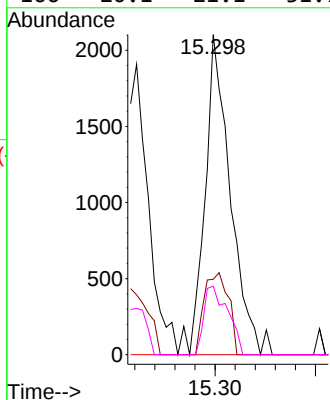
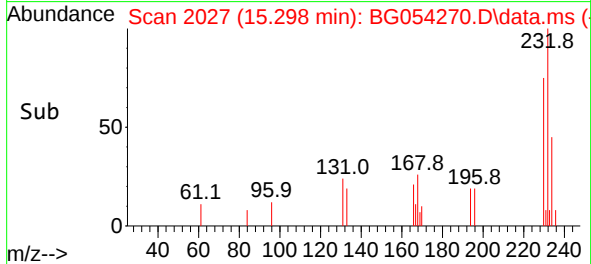
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



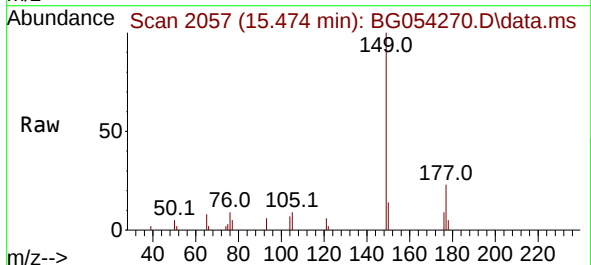
Tgt Ion:232 Resp: 370
Ion Ratio Lower Upper
232 100
131 24.4 30.6 46.0
130 0.0 1.8 2.8
166 20.1 21.1 31.7

Manual Integrations
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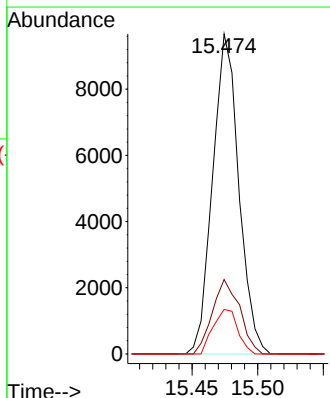
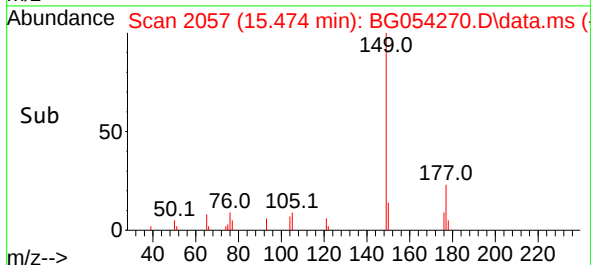
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

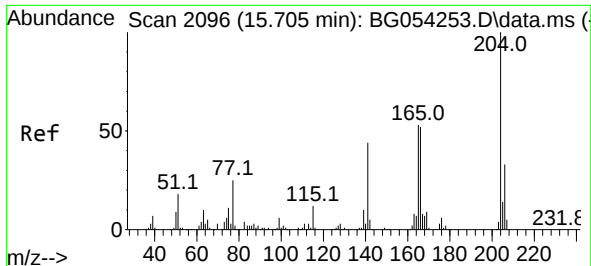


#60
Diethylphthalate
Concen: 3.809 ng
RT: 15.474 min Scan# 2057
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



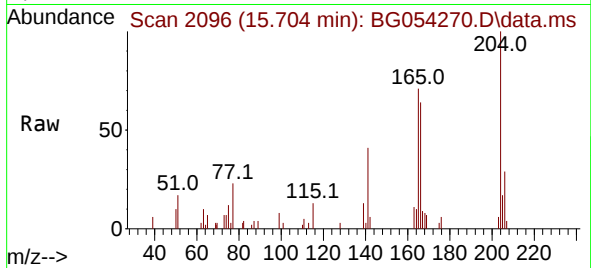
Tgt Ion:149 Resp: 13375
Ion Ratio Lower Upper
149 100
177 23.3 18.4 27.6
150 13.9 11.2 16.8





#61
4-Chlorophenyl-phenylether
Concen: 4.059 ng
RT: 15.704 min Scan# 2096
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

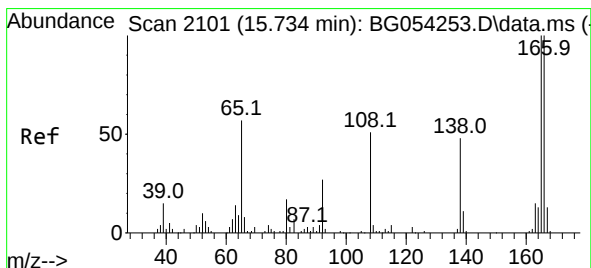
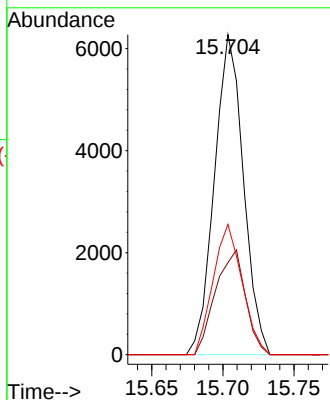
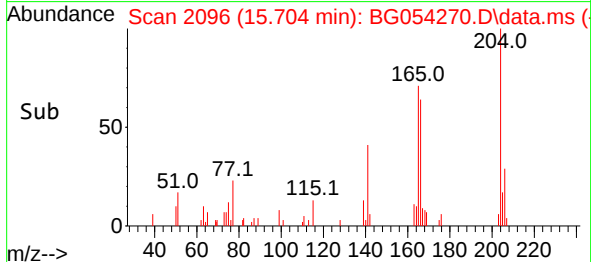
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:204 Resp: 889
Ion Ratio Lower Upper
204 100
206 28.8 27.5 41.3
141 40.7 45.3 67.9

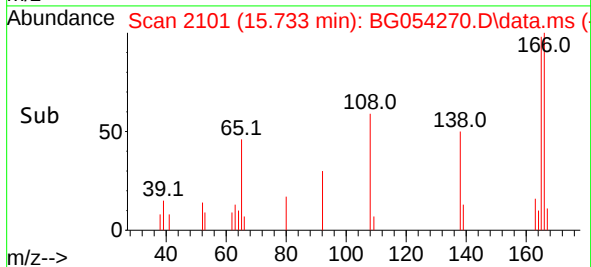
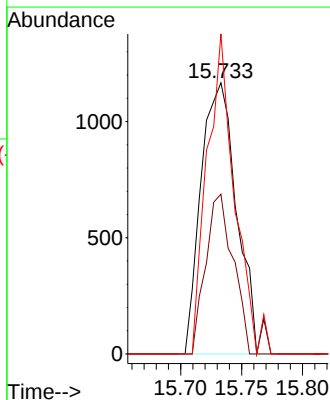
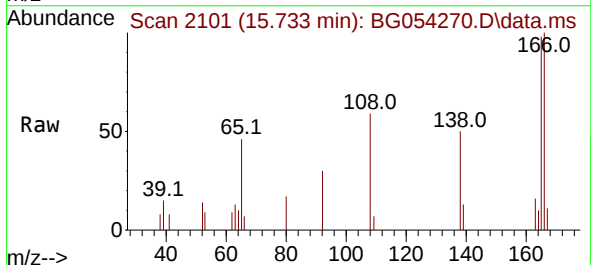
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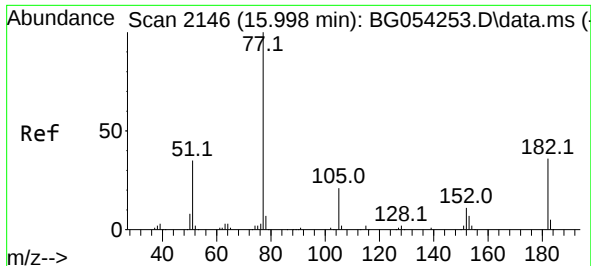
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#62
4-Nitroaniline
Concen: 3.318 ng
RT: 15.733 min Scan# 2101
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

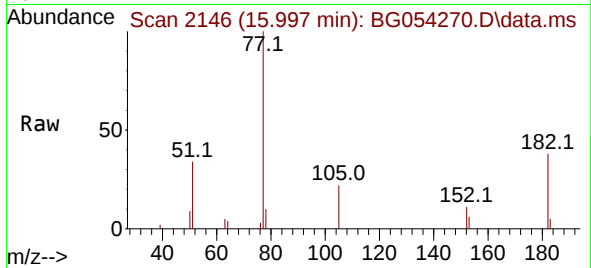
Tgt Ion:138 Resp: 2404
Ion Ratio Lower Upper
138 100
92 59.0 40.5 80.5
108 118.0 103.7 143.7





#63
Azobenzene
Concen: 3.456 ng
RT: 15.997 min Scan# 2146
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

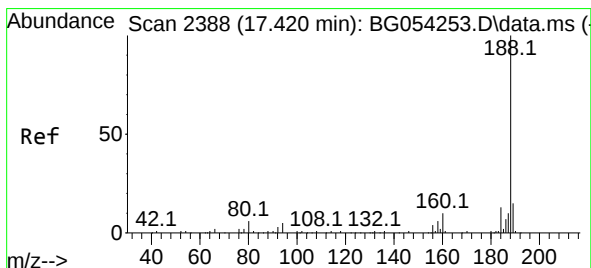
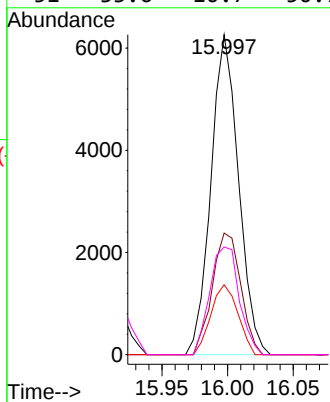
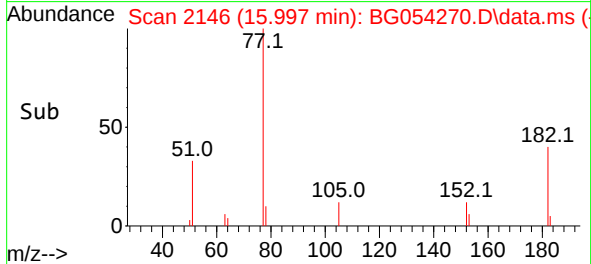
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



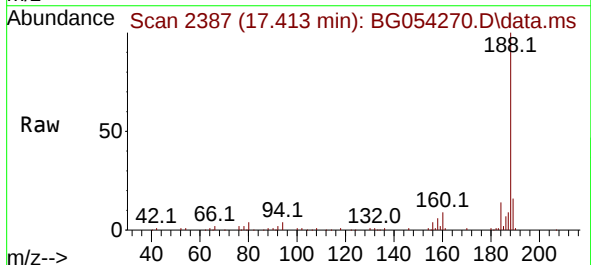
Tgt Ion: 77 Resp: 9140
Ion Ratio Lower Upper
77 100
182 38.0 3.8 43.8
105 21.8 0.0 37.8
51 33.6 10.7 50.7

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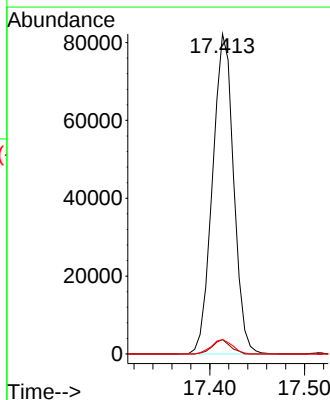
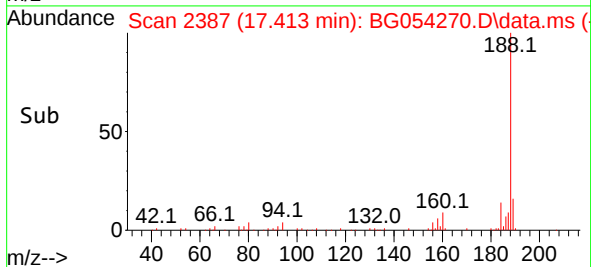
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

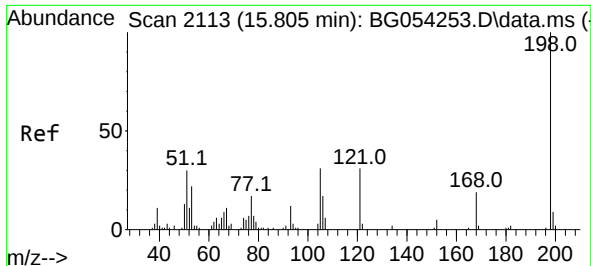


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.413 min Scan# 2387
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



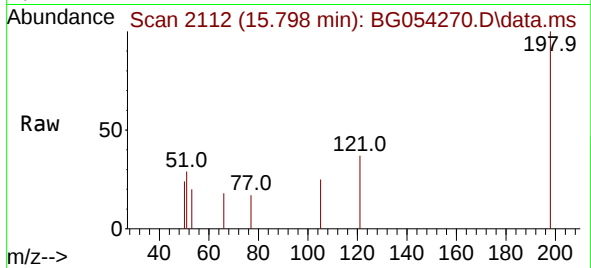
Tgt Ion:188 Resp: 127108
Ion Ratio Lower Upper
188 100
94 4.5 5.4 8.0#
80 4.5 6.8 10.2#





#65
4,6-Dinitro-2-methylphenol
Concen: 2.112 ng
RT: 15.798 min Scan# 2112
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

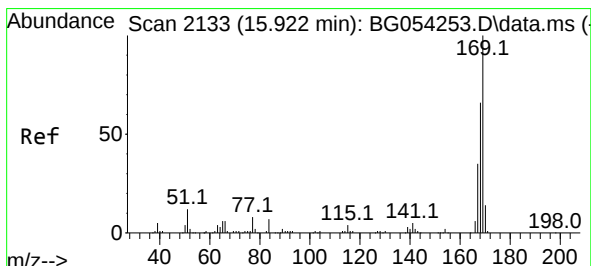
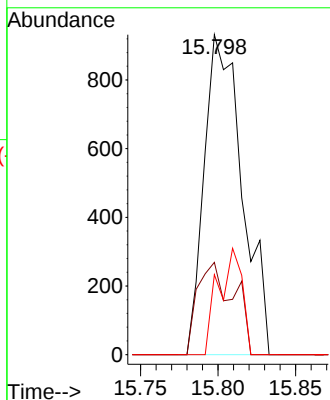
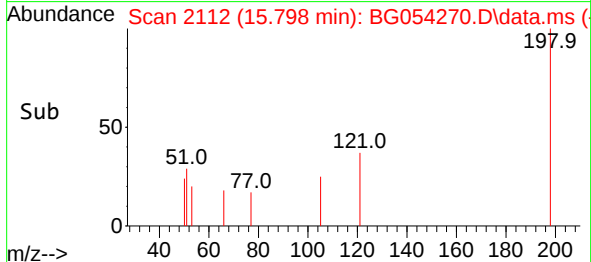
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



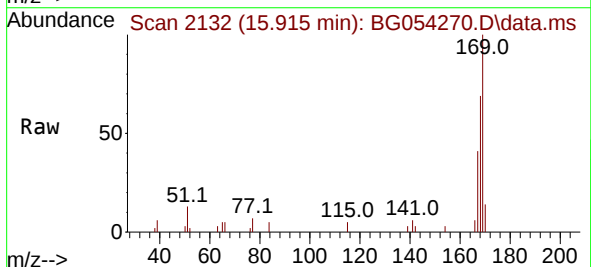
Tgt Ion:198 Resp: 1579
Ion Ratio Lower Upper
198 100
51 28.9 28.1 68.1
105 25.0 20.3 60.3

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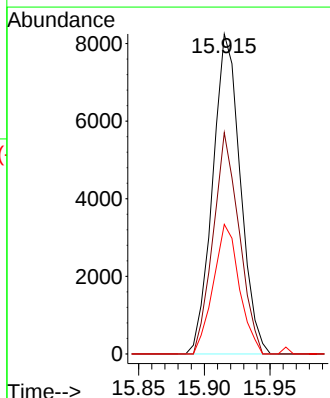
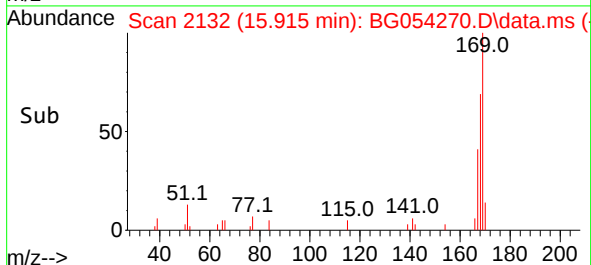
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

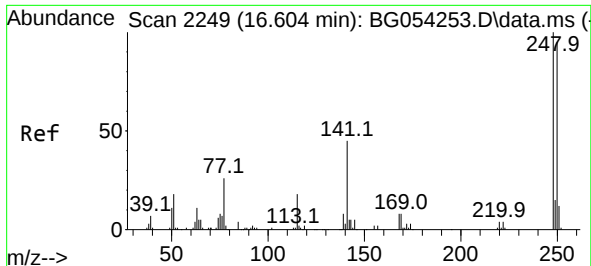


#66
n-Nitrosodiphenylamine
Concen: 3.769 ng
RT: 15.915 min Scan# 2132
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



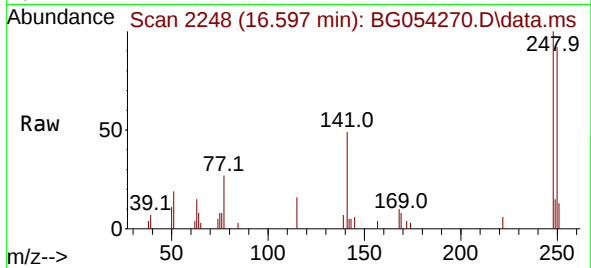
Tgt Ion:169 Resp: 12083
Ion Ratio Lower Upper
169 100
168 69.1 55.9 83.9
167 40.5 30.6 46.0





#67
4-Bromophenyl-phenylether
Concen: 4.056 ng
RT: 16.597 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

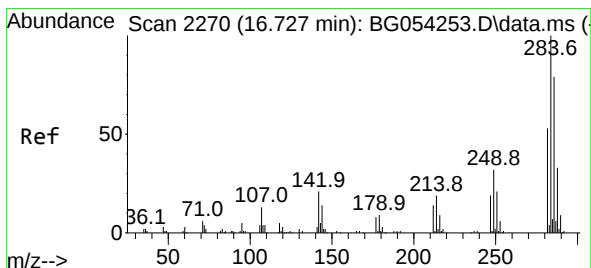
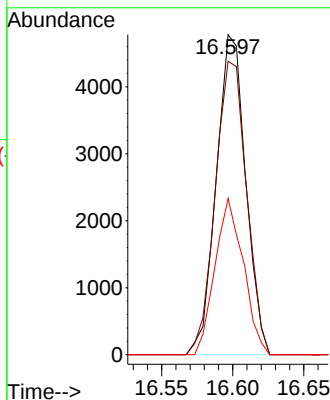
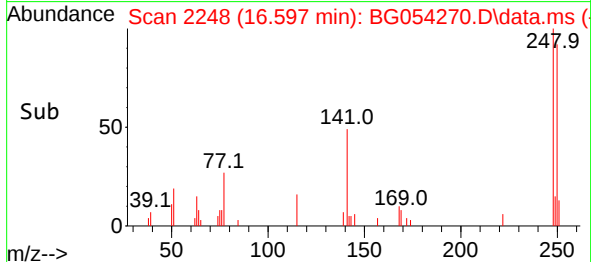
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



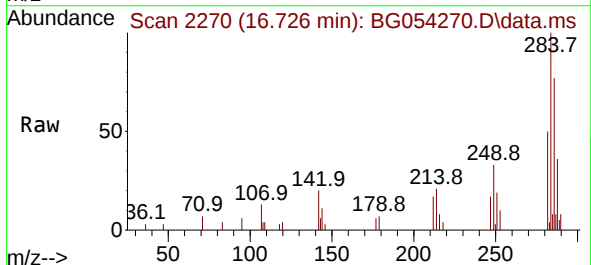
Tgt Ion:248 Resp: 6870
Ion Ratio Lower Upper
248 100
250 91.7 75.2 112.8
141 48.8 50.0 75.0

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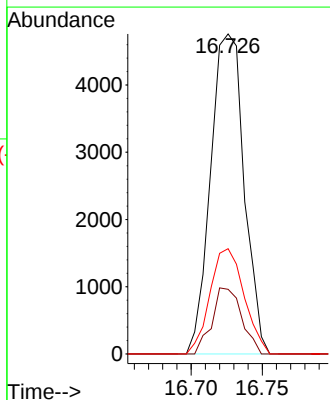
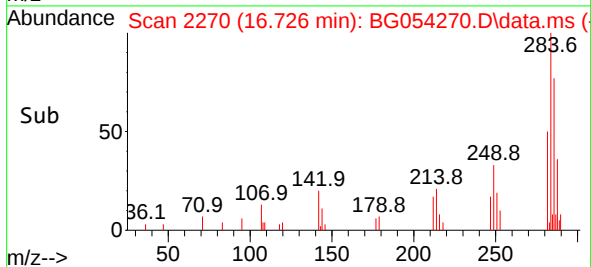
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

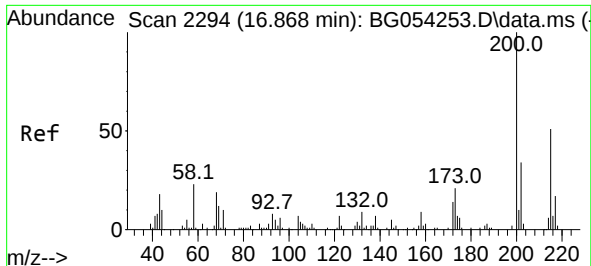


#68
Hexachlorobenzene
Concen: 4.032 ng
RT: 16.726 min Scan# 2270
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



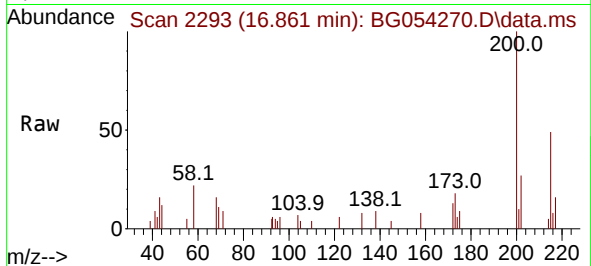
Tgt Ion:284 Resp: 7802
Ion Ratio Lower Upper
284 100
142 20.2 23.6 35.4#
249 32.9 25.8 38.6





#69
 Atrazine
 Concen: 4.146 ng
 RT: 16.861 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG054270.D
 Acq: 13 Jul 2022 11:30

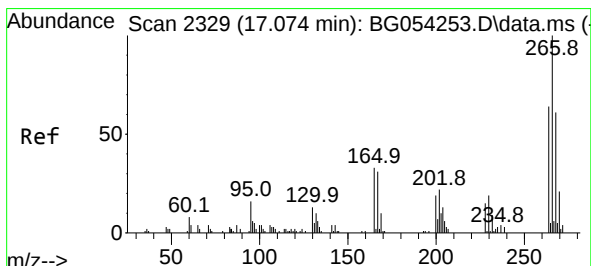
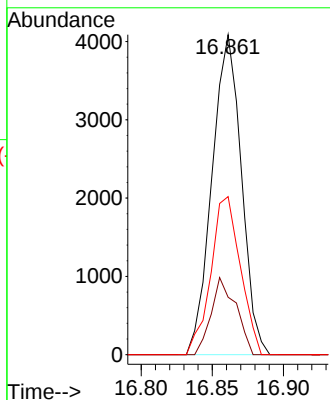
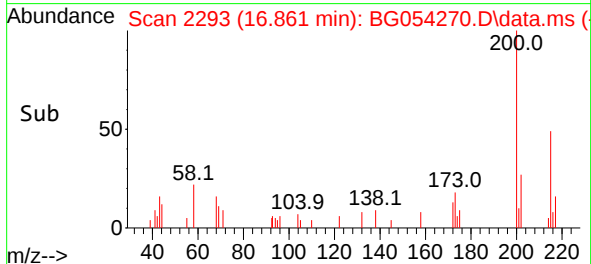
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022



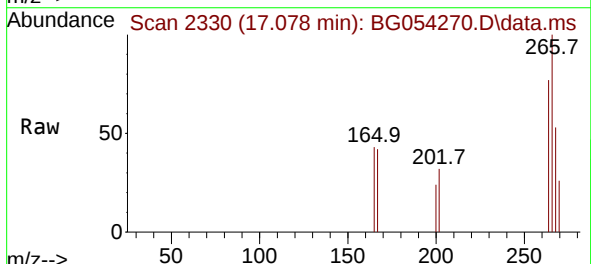
Tgt Ion:200 Resp: 587
 Ion Ratio Lower Upper
 200 100
 173 17.9 3.7 43.7
 215 49.4 25.2 65.2

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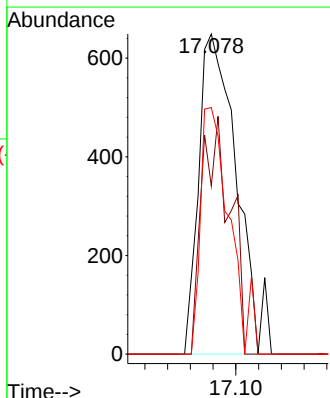
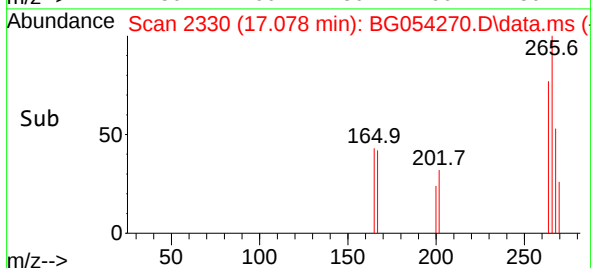
Reviewed By :Christian Giraldo 07/14/2022
 Supervised By :Jagrut Upadhyay 07/14/2022

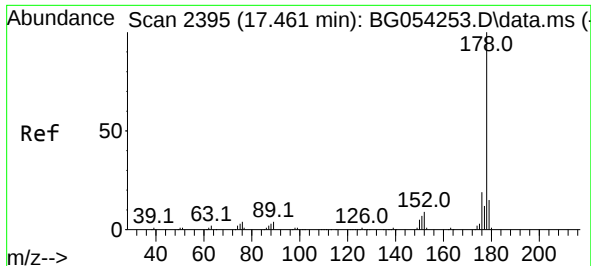


#70
 Pentachlorophenol
 Concen: 1.936 ng
 RT: 17.078 min Scan# 2330
 Delta R.T. 0.004 min
 Lab File: BG054270.D
 Acq: 13 Jul 2022 11:30



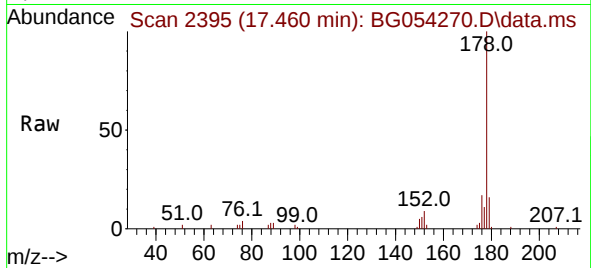
Tgt Ion:266 Resp: 1505
 Ion Ratio Lower Upper
 266 100
 268 52.5 56.2 84.2#
 264 77.0 53.0 79.4





#71
Phenanthrene
Concen: 3.776 ng
RT: 17.460 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

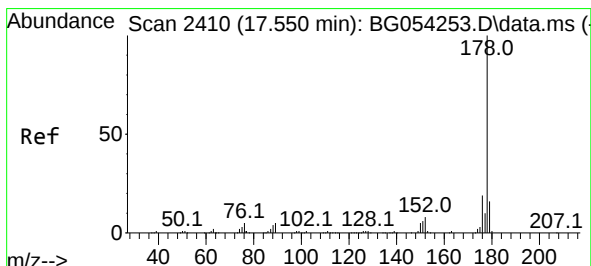
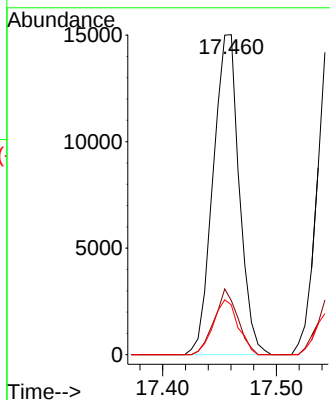
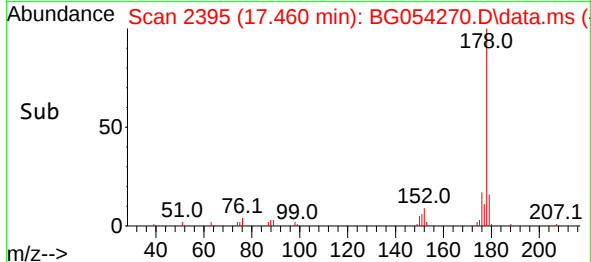
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



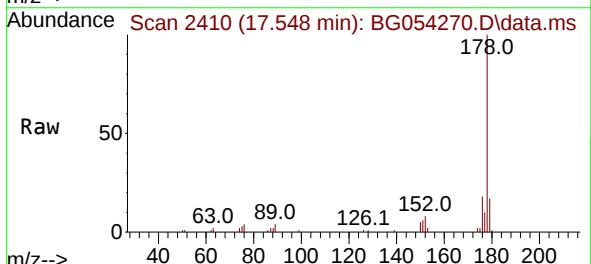
Tgt Ion:178 Resp: 2401
Ion Ratio Lower Upper
178 100
176 16.9 14.1 21.1
179 15.5 12.1 18.1

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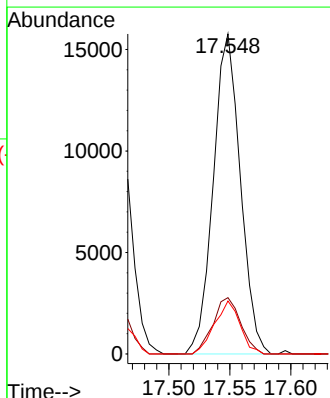
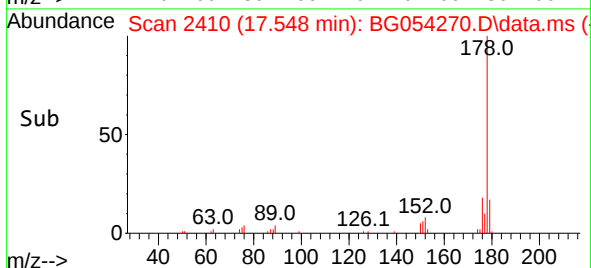
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

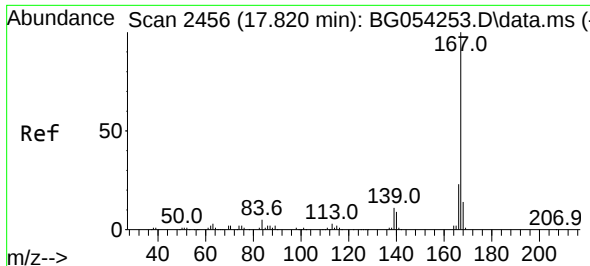


#72
Anthracene
Concen: 3.914 ng
RT: 17.548 min Scan# 2410
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



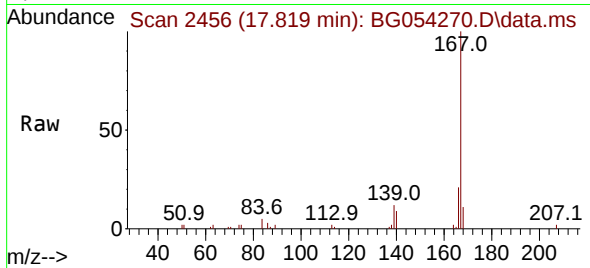
Tgt Ion:178 Resp: 24373
Ion Ratio Lower Upper
178 100
176 17.6 15.2 22.8
179 16.5 13.0 19.4





#73
 Carbazole
 Concen: 3.761 ng
 RT: 17.819 min Scan# 2456
 Delta R.T. -0.001 min
 Lab File: BG054270.D
 Acq: 13 Jul 2022 11:30

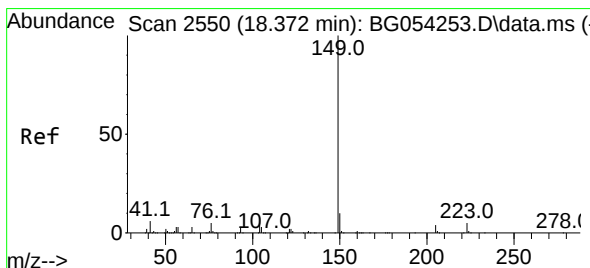
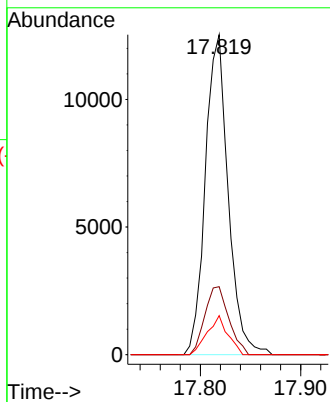
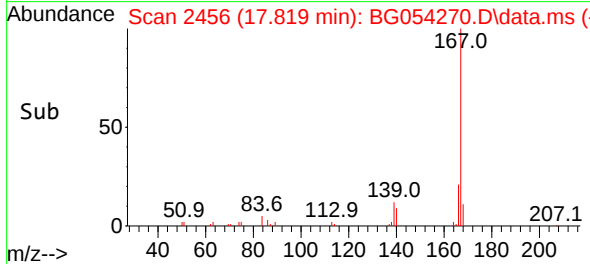
Instrument : BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022



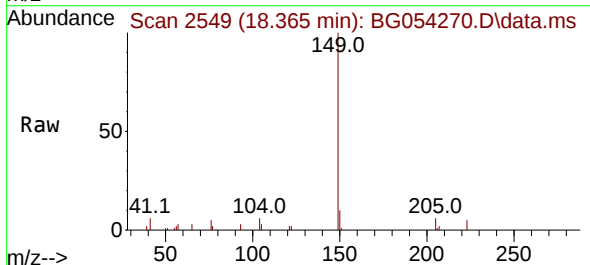
Tgt Ion:167 Resp: 19830
 Ion Ratio Lower Upper
 167 100
 166 21.3 18.2 27.2
 139 12.2 10.1 15.1

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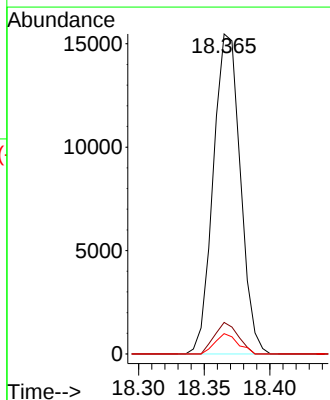
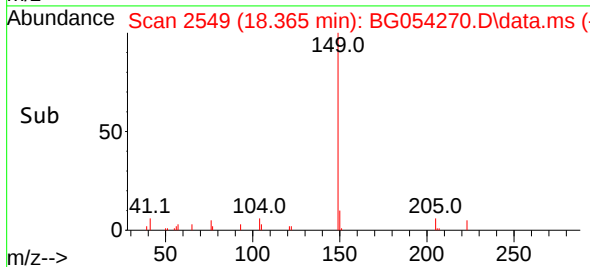
Reviewed By :Christian Giraldo 07/14/2022
 Supervised By :Jagrut Upadhyay 07/14/2022

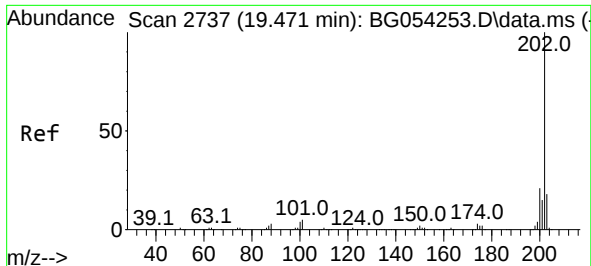


#74
 Di-n-butylphthalate
 Concen: 3.551 ng
 RT: 18.365 min Scan# 2549
 Delta R.T. -0.007 min
 Lab File: BG054270.D
 Acq: 13 Jul 2022 11:30



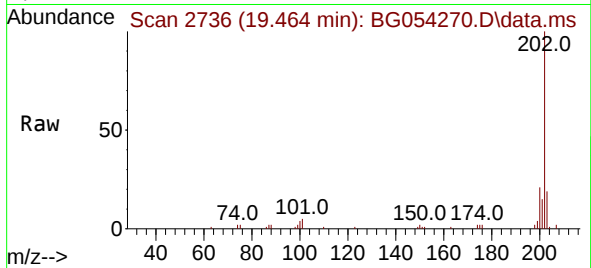
Tgt Ion:149 Resp: 22171
 Ion Ratio Lower Upper
 149 100
 150 9.8 7.7 11.5
 104 6.4 5.4 8.0





#75
Fluoranthene
Concen: 3.900 ng
RT: 19.464 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

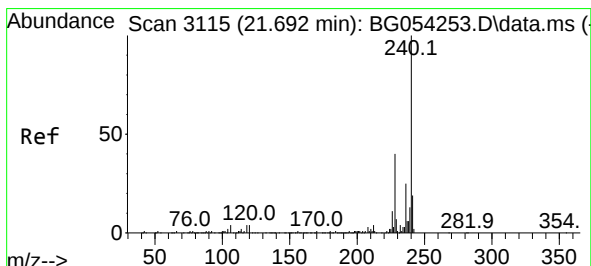
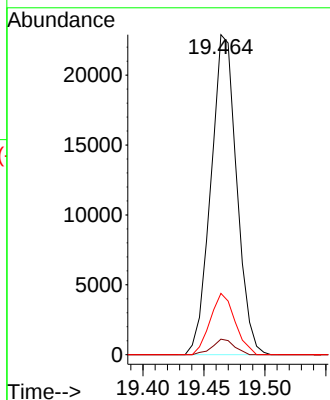
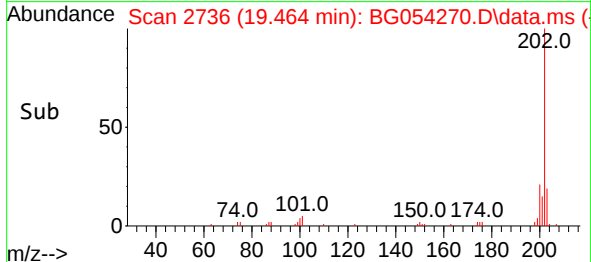
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:202 Resp: 33720
Ion Ratio Lower Upper
202 100
101 4.8 0.0 26.9
203 19.2 0.0 37.2

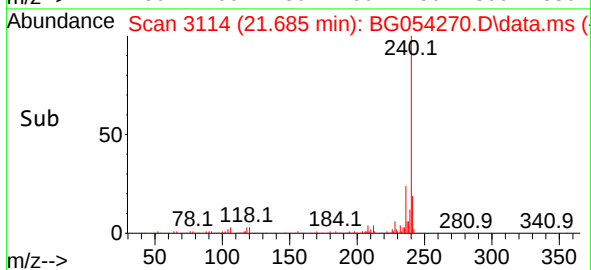
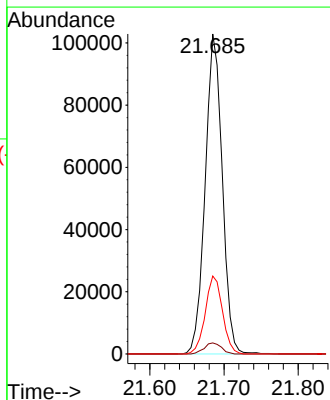
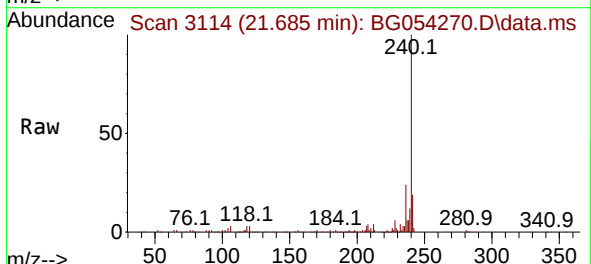
Manual Integrations
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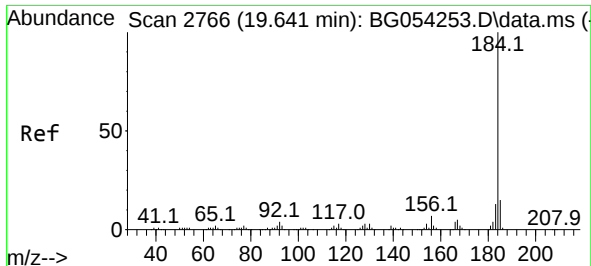
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.685 min Scan# 3114
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

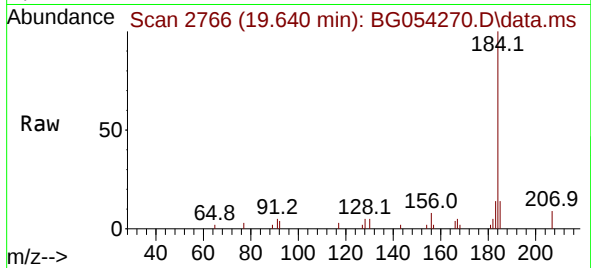
Tgt Ion:240 Resp: 164383
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 24.4 20.2 30.4





#77
Benzidine
Concen: 5.242 ng
RT: 19.640 min Scan# 2766
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

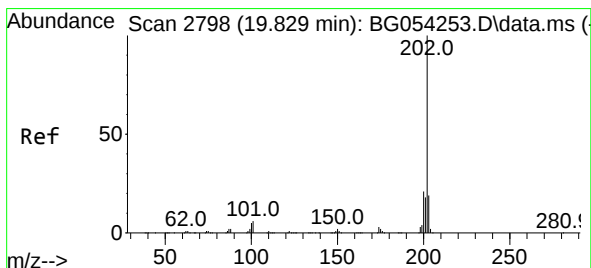
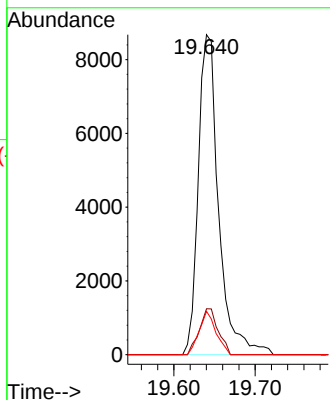
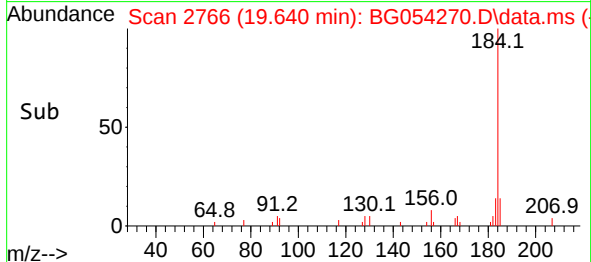
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



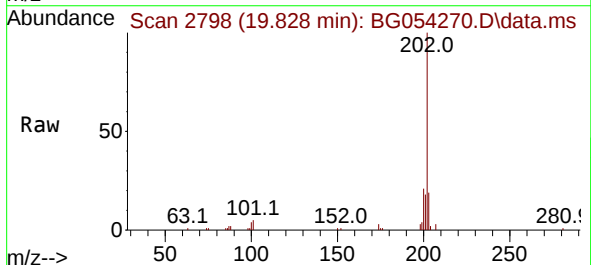
Tgt Ion:184 Resp: 1512
Ion Ratio Lower Upper
184 100
185 14.3 11.8 17.6
183 13.6 8.9 13.3

Manual Integrations
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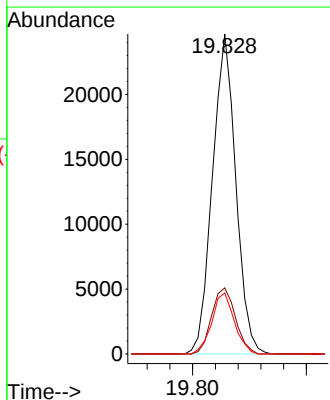
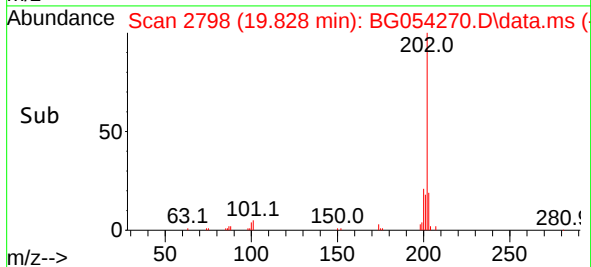
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

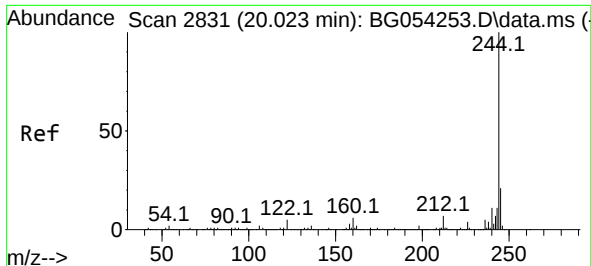


#78
Pyrene
Concen: 3.711 ng
RT: 19.828 min Scan# 2798
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



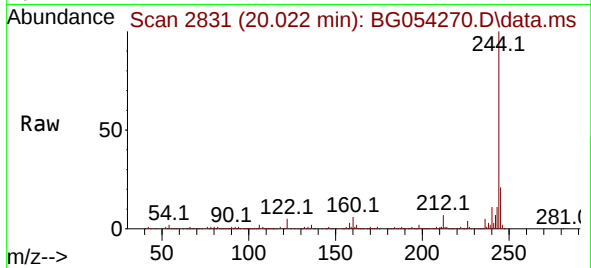
Tgt Ion:202 Resp: 35107
Ion Ratio Lower Upper
202 100
200 20.7 16.6 24.8
203 19.0 14.6 21.8





#79
 Terphenyl-d14
 Concen: 89.289 ng
 RT: 20.022 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054270.D
 Acq: 13 Jul 2022 11:30

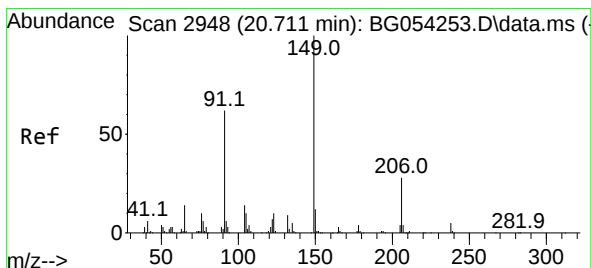
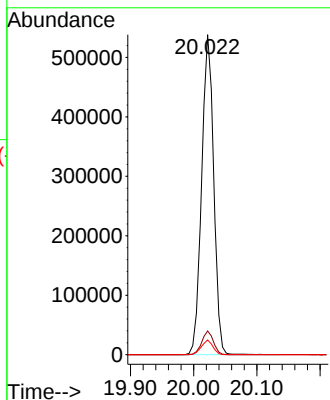
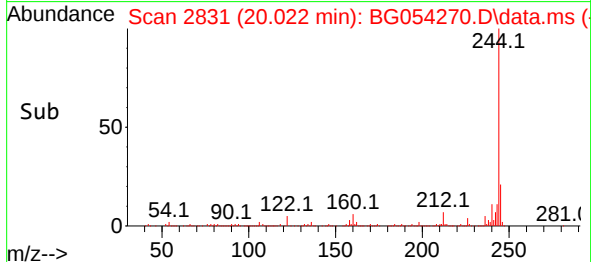
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022



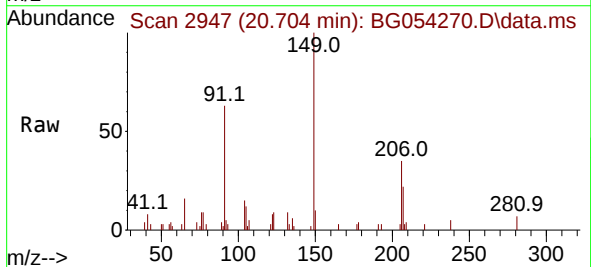
Tgt Ion:244 Resp: 713760
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 4.6 5.0 7.4

Manual Integrations
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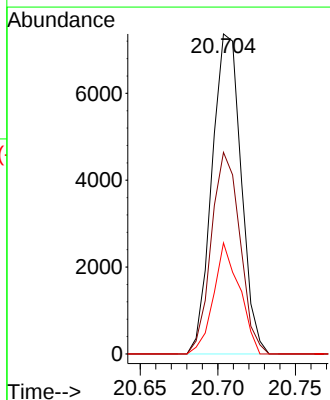
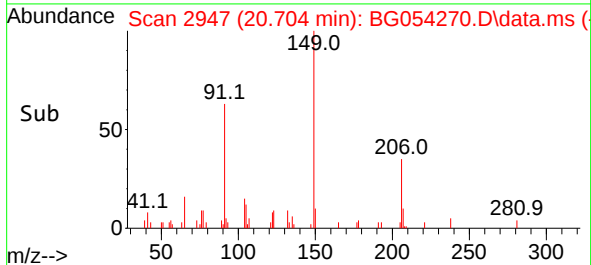
Reviewed By :Christian Giraldo 07/14/2022
 Supervised By :Jagrut Upadhyay 07/14/2022

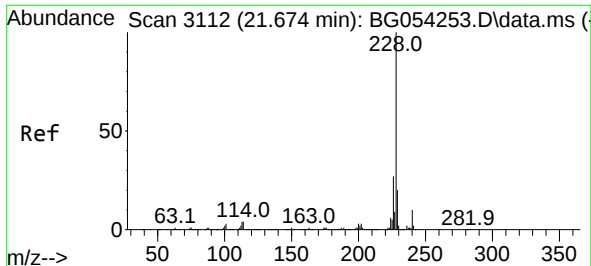


#80
 Butylbenzylphthalate
 Concen: 3.142 ng
 RT: 20.704 min Scan# 2947
 Delta R.T. -0.007 min
 Lab File: BG054270.D
 Acq: 13 Jul 2022 11:30



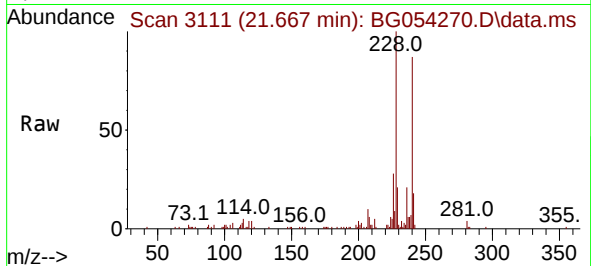
Tgt Ion:149 Resp: 9631
 Ion Ratio Lower Upper
 149 100
 91 63.0 59.6 89.4
 206 34.7 18.6 28.0





#81
Benzo(a)anthracene
Concen: 3.840 ng
RT: 21.667 min Scan# 3112
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

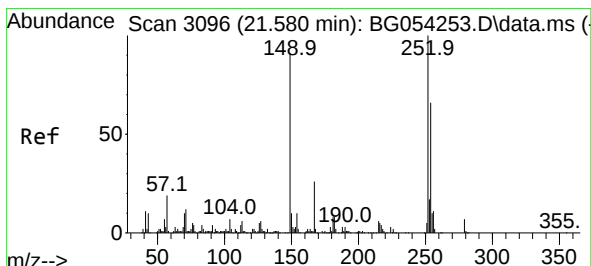
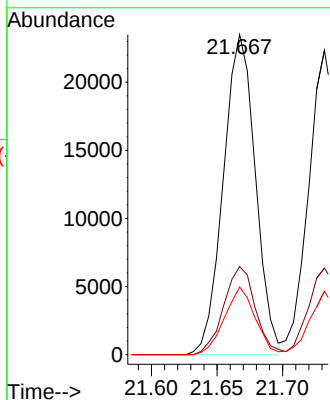
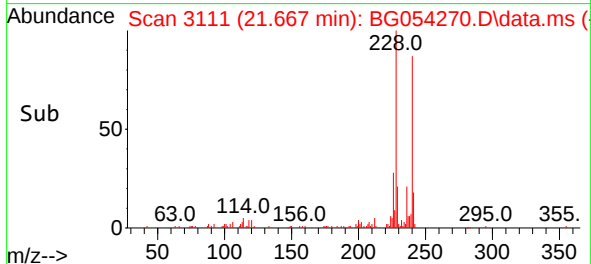
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:228 Resp: 3992
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 21.1 16.2 24.2

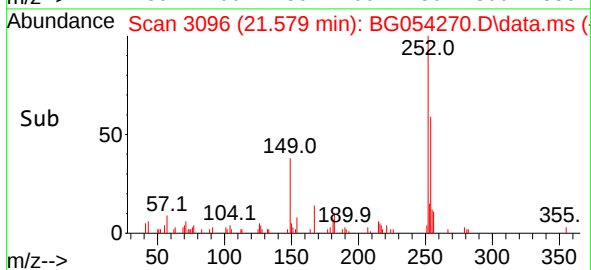
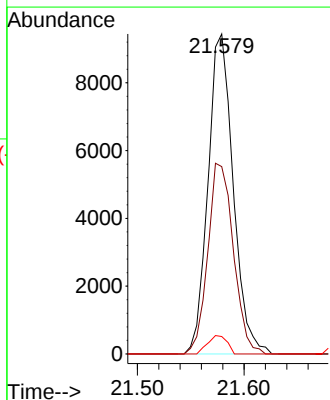
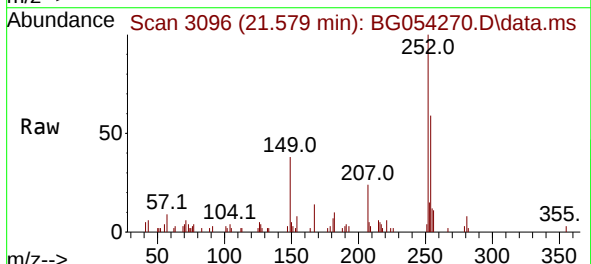
Manual Integrations
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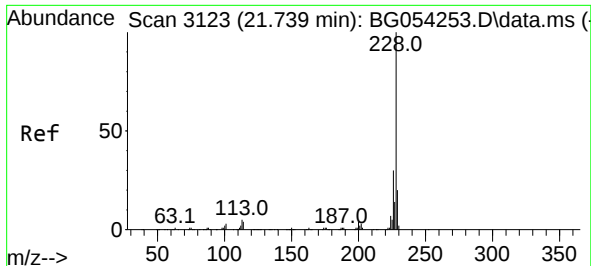
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#82
3,3'-Dichlorobenzidine
Concen: 4.871 ng
RT: 21.579 min Scan# 3096
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

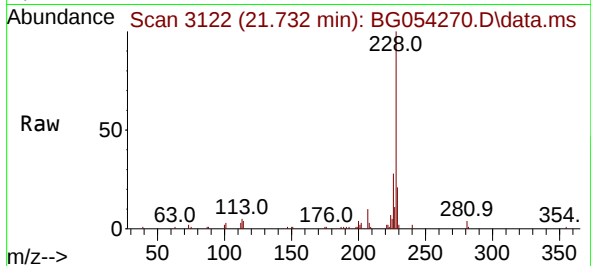
Tgt Ion:252 Resp: 15481
Ion Ratio Lower Upper
252 100
254 58.6 49.8 74.8
126 5.4 6.0 9.0#





#83
Chrysene
Concen: 3.802 ng
RT: 21.732 min Scan# 3123
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

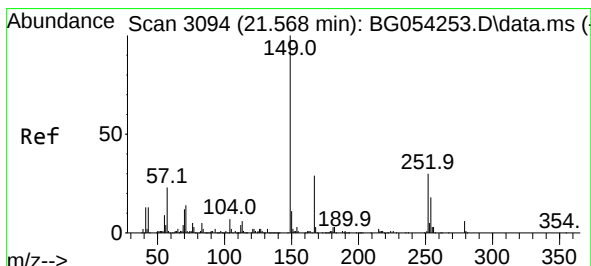
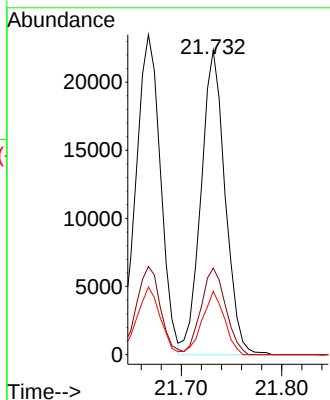
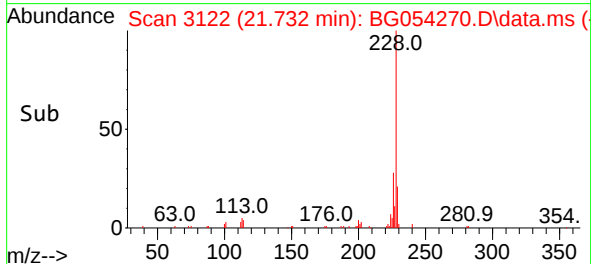
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:228 Resp: 3739
Ion Ratio Lower Upper
228 100
226 28.4 23.4 35.2
229 20.8 15.5 23.3

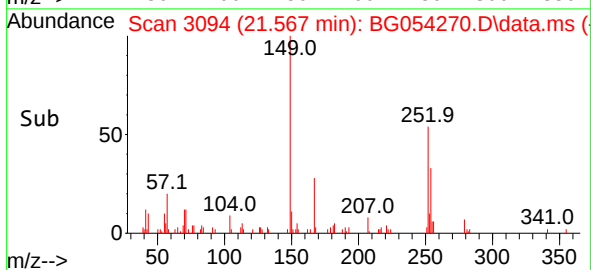
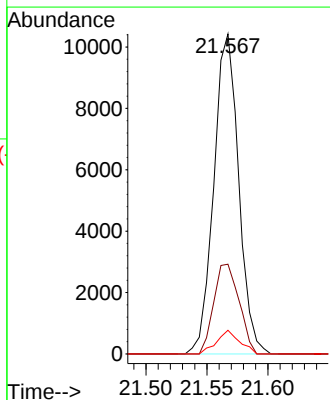
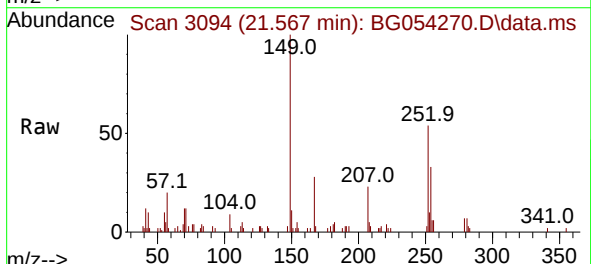
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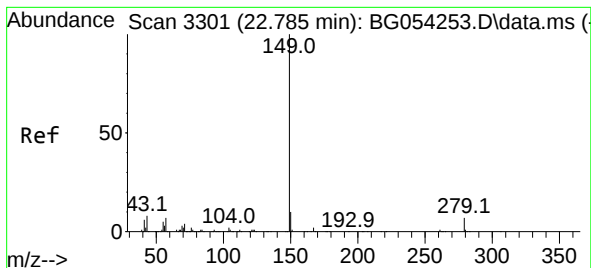
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.396 ng
RT: 21.567 min Scan# 3094
Delta R.T. -0.001 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

Tgt Ion:149 Resp: 14768
Ion Ratio Lower Upper
149 100
167 28.0 20.2 30.4
279 7.4 3.6 5.4#





#85

Di-n-octyl phthalate

Concen: 3.531 ng

RT: 22.778 min Scan# 3301

Delta R.T. -0.007 min

Lab File: BG054270.D

Acq: 13 Jul 2022 11:30

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

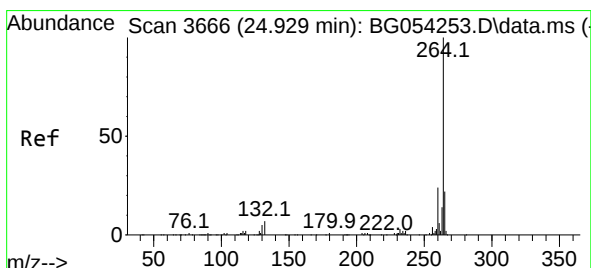
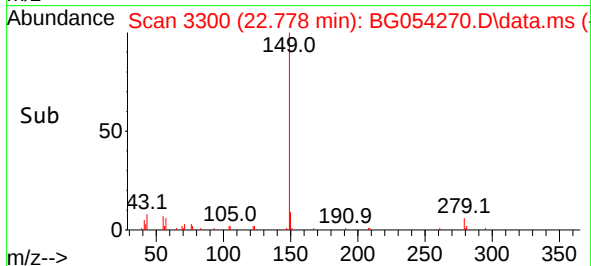
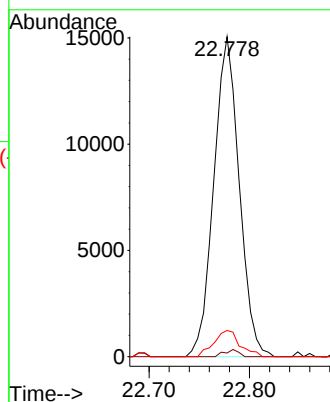
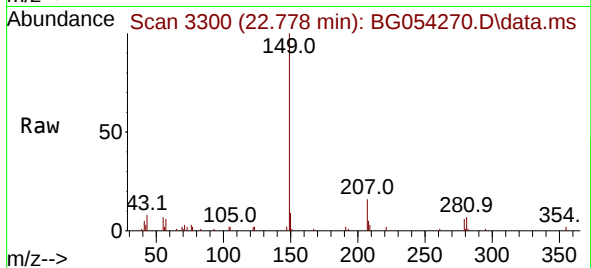
Tgt Ion:149 Resp: 26440
 Ion Ratio Lower Upper
 149 100
 167 1.2 1.3 1.9
 43 8.4 9.0 13.4

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Supervised By :Jagrut Upadhyay 07/14/2022



#86

Perylene-d12

Concen: 20.000 ng

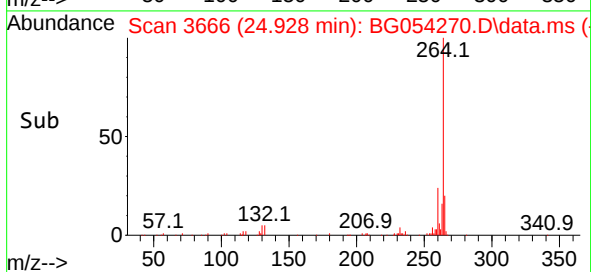
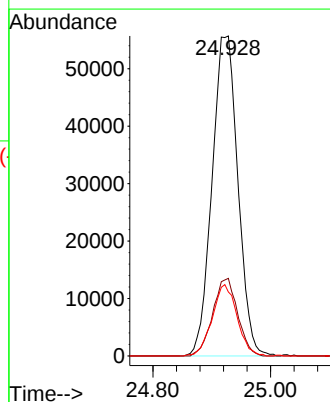
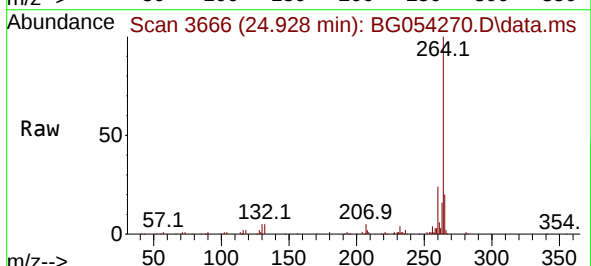
RT: 24.928 min Scan# 3666

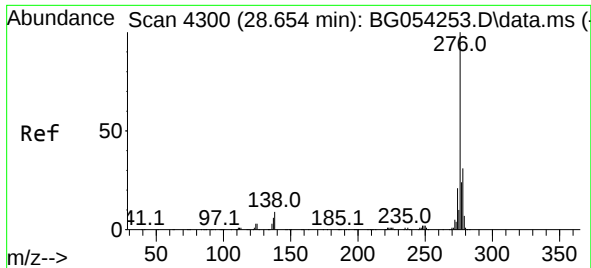
Delta R.T. -0.001 min

Lab File: BG054270.D

Acq: 13 Jul 2022 11:30

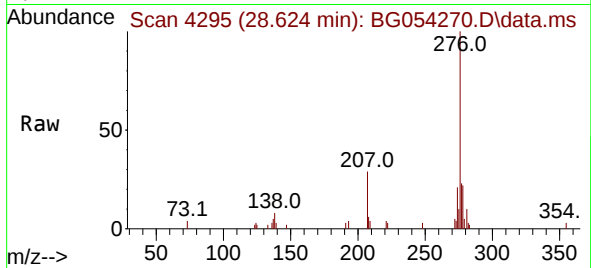
Tgt Ion:264 Resp: 169900
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.0 28.6
 265 20.0 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.658 ng
RT: 28.624 min Scan# 41
Delta R.T. -0.030 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

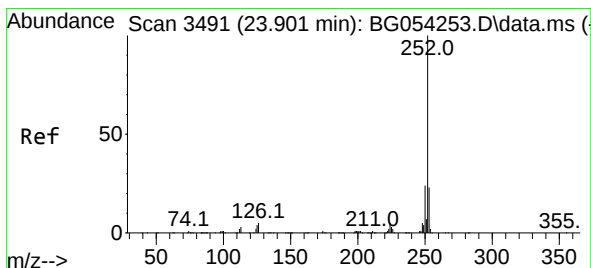
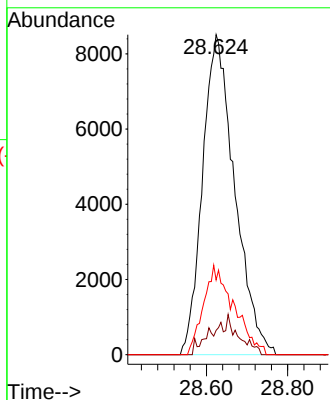
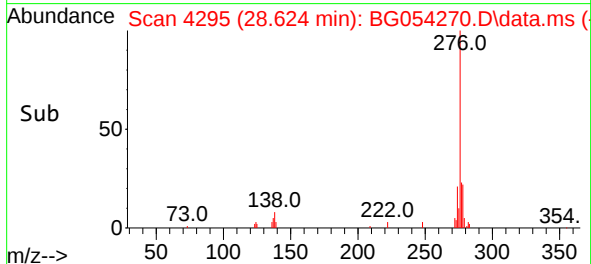
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



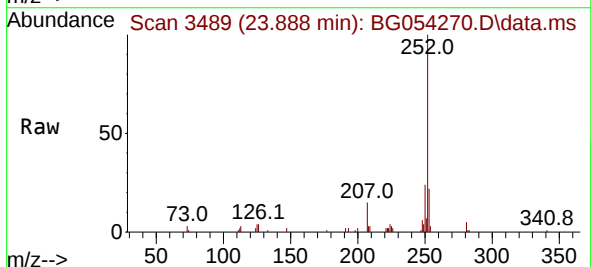
Tgt Ion:276 Resp: 46750
Ion Ratio Lower Upper
276 100
138 2.1 5.0 7.4
277 26.4 20.3 30.5

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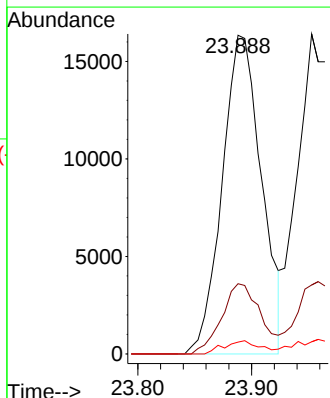
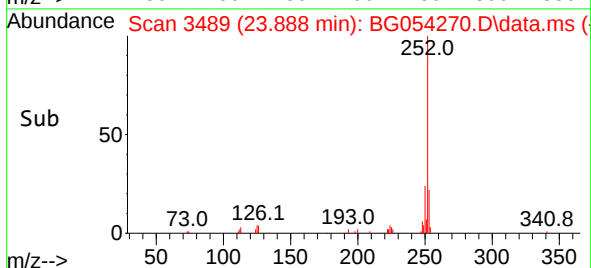
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

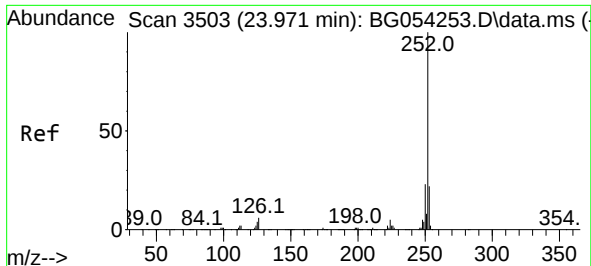


#88
Benzo(b)fluoranthene
Concen: 3.898 ng
RT: 23.888 min Scan# 3489
Delta R.T. -0.013 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



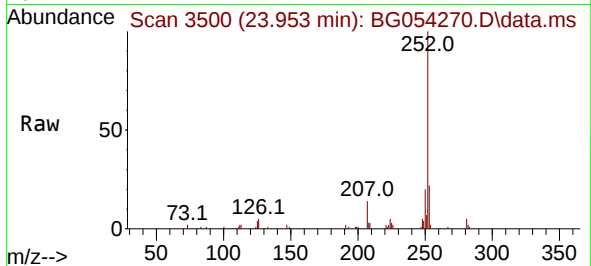
Tgt Ion:252 Resp: 39268
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 3.7 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 4.073 ng
RT: 23.953 min Scan# 30
Delta R.T. -0.019 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

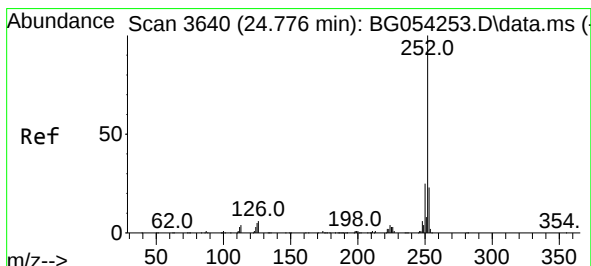
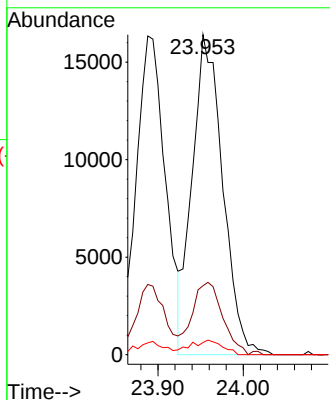
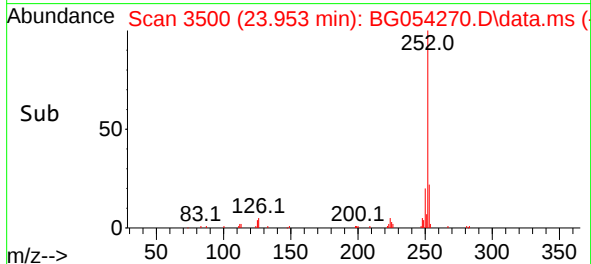
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



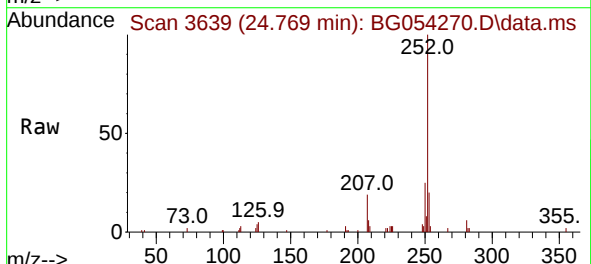
Tgt Ion:252 Resp: 40714
Ion Ratio Lower Upper
252 100
253 21.6 18.4 27.6
125 3.8 4.8 7.2

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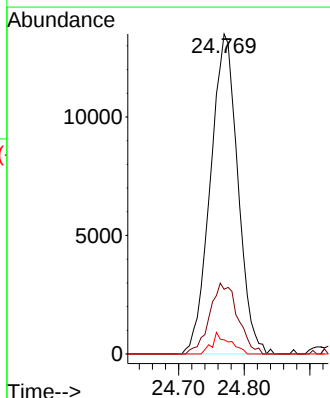
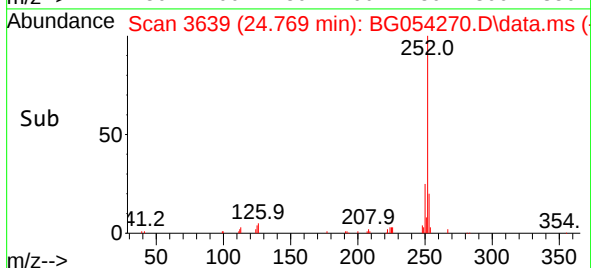
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

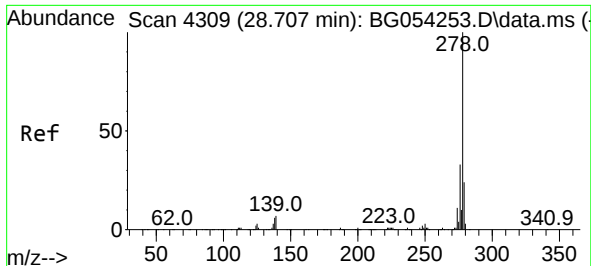


#90
Benzo(a)pyrene
Concen: 4.546 ng
RT: 24.769 min Scan# 3639
Delta R.T. -0.007 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



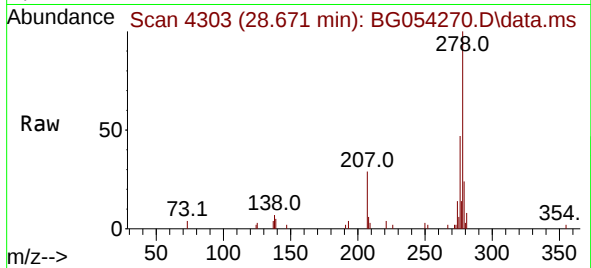
Tgt Ion:252 Resp: 39185
Ion Ratio Lower Upper
252 100
253 20.2 17.8 26.8
125 4.4 4.3 6.5





#91
Dibenzo(a,h)anthracene
Concen: 3.922 ng
RT: 28.671 min Scan# 41064
Delta R.T. -0.036 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30

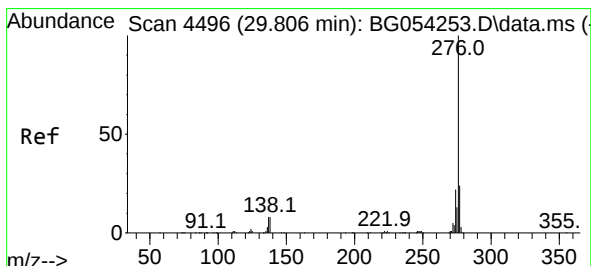
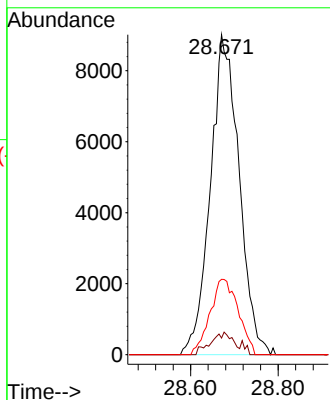
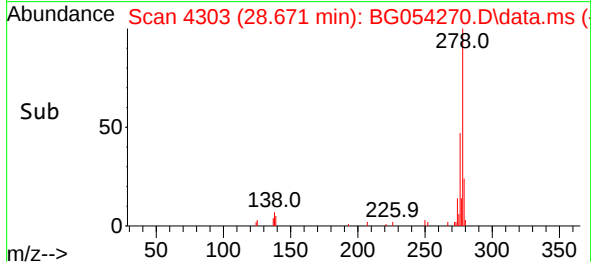
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



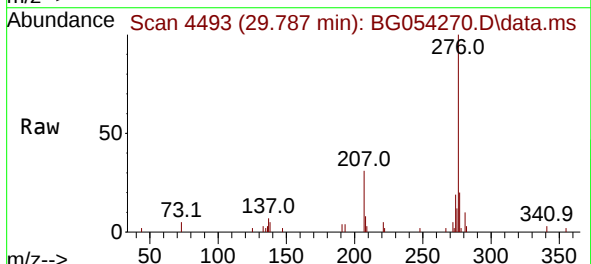
Tgt Ion:278 Resp: 41064
Ion Ratio Lower Upper
278 100
139 5.2 7.2 10.8
279 23.6 18.6 27.8

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Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#92
Benzo(g,h,i)perylene
Concen: 3.916 ng
RT: 29.787 min Scan# 4493
Delta R.T. -0.019 min
Lab File: BG054270.D
Acq: 13 Jul 2022 11:30



Tgt Ion:276 Resp: 40899
Ion Ratio Lower Upper
276 100
277 20.1 17.3 25.9
138 5.3 9.6 14.4

