

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013023\
 Data File : BG056476.D
 Acq On : 30 Jan 2023 19:18
 Operator : CG/JU
 Sample : N3980-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Jan 31 03:05:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 00:39:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo
 01/31/2023
 Supervised By :Jagrut
 Upadhyay
 01/31/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.279	152	27860	20.000	ng	0.00
21) Naphthalene-d8	11.111	136	105624	20.000	ng	# 0.00
39) Acenaphthene-d10	14.895	164	87099	20.000	ng	0.00
64) Phenanthrene-d10	17.633	188	246143	20.000	ng	0.00
76) Chrysene-d12	21.922	240	255841	20.000	ng	0.00
86) Perylene-d12	25.347	264	279625	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.800	112	166821	110.151	ng	0.00
7) Phenol-d6	7.421	99	233644	104.121	ng	0.00
23) Nitrobenzene-d5	9.454	82	133718	71.889	ng	0.00
42) 2,4,6-Tribromophenol	16.381	330	137182	118.472	ng	0.00
45) 2-Fluorobiphenyl	13.520	172	458155	72.928	ng	0.00
79) Terphenyl-d14	20.212	244	1016304	69.770	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.602	88	5515	8.745	ng	93
3) Pyridine	4.031	79	12599	6.702	ng	96
4) n-Nitrosodimethylamine	3.937	42	2997	7.497	ng	# 60
6) Aniline	7.592	93	21251	7.233	ng	# 97
8) 2-Chlorophenol	7.838	128	12131	7.291	ng	95
9) Benzaldehyde	7.404	77	10590	7.964	ng	# 84
10) Phenol	7.445	94	16775	7.355	ng	92
11) bis(2-Chloroethyl)ether	7.680	93	11583	7.389	ng	92
12) 1,3-Dichlorobenzene	8.168	146	15656	8.173	ng	94
13) 1,4-Dichlorobenzene	8.314	146	15752	8.120	ng	98
14) 1,2-Dichlorobenzene	8.314	146	15752	8.369	ng	98
15) Benzyl Alcohol	8.514	79	10963	7.121	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.802	45	2386	7.183	ng	# 86
17) 2-Methylphenol	8.720	107	11277	6.499	ng	95
18) Hexachloroethane	9.378	117	4316	7.356	ng	94
19) n-Nitroso-di-n-propyla...	9.078	70	9563	7.395	ng	95
20) 3+4-Methylphenols	9.049	107	16269	6.691	ng	93
22) Acetophenone	9.108	105	22281	7.939	ng	# 97
24) Nitrobenzene	9.495	77	13542	7.548	ng	89
25) Isophorone	10.012	82	28728	7.486	ng	96
26) 2-Nitrophenol	10.218	139	7895	7.253	ng	94
27) 2,4-Dimethylphenol	10.259	122	12778m	7.014	ng	
28) bis(2-Chloroethoxy)met...	10.488	93	16015	7.555	ng	97
29) 2,4-Dichlorophenol	10.759	162	15141	7.383	ng	94
30) 1,2,4-Trichlorobenzene	10.964	180	18033	7.913	ng	94
31) Naphthalene	11.164	128	43239	7.756	ng	99
32) Benzoic acid	10.418	122	2888m	2.833	ng	
33) 4-Chloroaniline	11.264	127	20006	7.688	ng	98
34) Hexachlorobutadiene	11.434	225	13121	8.203	ng	97
35) Caprolactam	12.010	113	5380	7.779	ng	93
36) 4-Chloro-3-methylphenol	12.363	107	15072	7.611	ng	98
37) 2-Methylnaphthalene	12.745	142	33610	7.313	ng	95
38) 1-Methylnaphthalene	12.962	142	31902m	7.432	ng	
40) 1,2,4,5-Tetrachloroben...	13.109	216	25537	8.025	ng	98
41) Hexachlorocyclopentadiene	13.079	237	6020	9.656	ng	99
43) 2,4,6-Trichlorophenol	13.344	196	15278	7.451	ng	86

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013023\
 Data File : BG056476.D
 Acq On : 30 Jan 2023 19:18
 Operator : CG/JU
 Sample : N3980-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Jan 31 03:05:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 00:39:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo
 01/31/2023
 Supervised By :Jagrut
 Upadhyay
 01/31/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	13.420	196	16811	7.002	ng	#	99
46) 1,1'-Biphenyl	13.732	154	50548	8.001	ng		99
47) 2-Chloronaphthalene	13.784	162	39776	8.055	ng		97
48) 2-Nitroaniline	13.978	65	7402	7.251	ng		84
49) Acenaphthylene	14.625	152	63287	7.877	ng		99
50) Dimethylphthalate	14.331	163	57903	8.217	ng		99
51) 2,6-Dinitrotoluene	14.460	165	12266	7.982	ng		98
52) Acenaphthene	14.960	154	37306	7.830	ng		98
53) 3-Nitroaniline	14.795	138	11668	7.832	ng		96
54) 2,4-Dinitrophenol	15.012	184	3256	3.380	ng		93
55) Dibenzofuran	15.289	168	68240	7.987	ng		99
56) 4-Nitrophenol	15.106	139	7316	7.187	ng		92
57) 2,4-Dinitrotoluene	15.247	165	18147	8.384	ng	#	98
58) Fluorene	15.935	166	56478	8.307	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.518	232	15583	7.300	ng	#	97
60) Diethylphthalate	15.682	149	55834	8.438	ng		100
61) 4-Chlorophenyl-phenyle...	15.917	204	33217	8.007	ng		95
62) 4-Nitroaniline	15.953	138	12708	8.525	ng		97
63) Azobenzene	16.211	77	37602	8.259	ng		96
65) 4,6-Dinitro-2-methylph...	16.011	198	10367	5.991	ng		97
66) n-Nitrosodiphenylamine	16.129	169	52361	7.513	ng		96
67) 4-Bromophenyl-phenylether	16.810	248	22963	7.287	ng		95
68) Hexachlorobenzene	16.940	284	24600	7.971	ng		94
69) Atrazine	17.063	200	24904	9.263	ng		97
70) Pentachlorophenol	17.292	266	7823	4.189	ng		94
71) Phenanthrene	17.674	178	102466	7.954	ng		98
72) Anthracene	17.768	178	105538	7.981	ng		97
73) Carbazole	18.032	167	93114	8.267	ng		98
74) Di-n-butylphthalate	18.561	149	91175	7.710	ng		99
75) Fluoranthene	19.672	202	136850	8.417	ng		97
77) Benzidine	19.836	184	76522	11.053	ng		97
78) Pyrene	20.030	202	139063	7.643	ng		98
80) Butylbenzylphthalate	20.882	149	39444	7.098	ng		98
81) Benzo(a)anthracene	21.898	228	139179	7.781	ng		100
82) 3,3'-Dichlorobenzidine	21.804	252	58038	9.011	ng	#	98
83) Chrysene	21.969	228	129528	7.708	ng		98
84) Bis(2-ethylhexyl)phtha...	21.763	149	57896	7.267	ng		96
85) Di-n-octyl phthalate	23.032	149	97364	7.338	ng		100
87) Indeno(1,2,3-cd)pyrene	29.272	276	156084	7.625	ng	#	95
88) Benzo(b)fluoranthene	24.243	252	144965	8.352	ng		99
89) Benzo(k)fluoranthene	24.319	252	141492	8.075	ng		99
90) Benzo(a)pyrene	25.177	252	126407	7.394	ng		99
91) Dibenzo(a,h)anthracene	29.331	278	136607	7.951	ng		98
92) Benzo(g,h,i)perylene	30.500	276	131080	7.907	ng		97

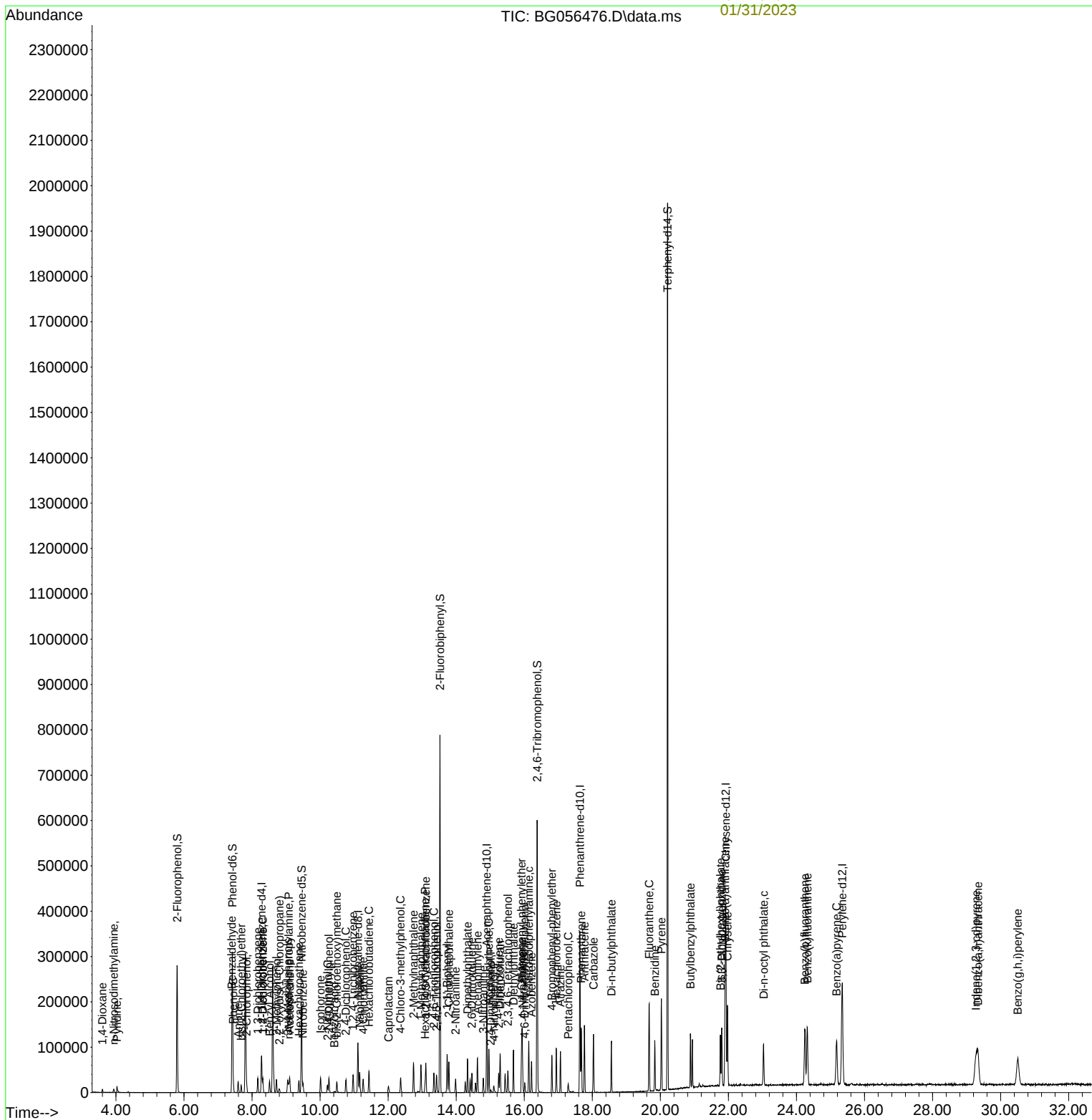
(#) = qualifier out of range (m) = manual integration (+) = signals summed

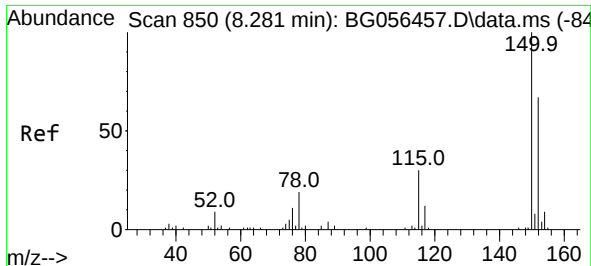
Manual Integrations

Reviewed By :Christian
Giraldo
01/31/2023

Supervised By :Jagrut
Upadhyay
01/31/2023

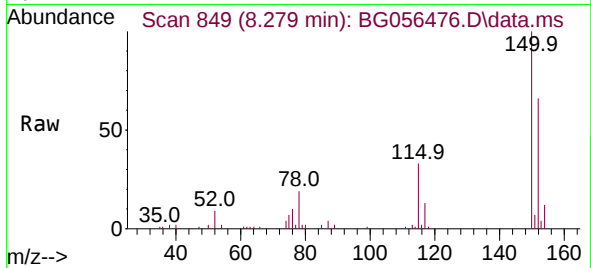
Quant Time: Jan 31 03:05:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 28 00:39:13 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.279 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

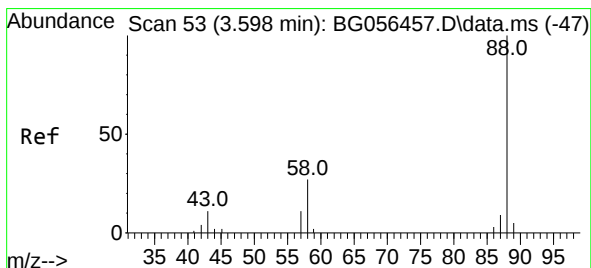
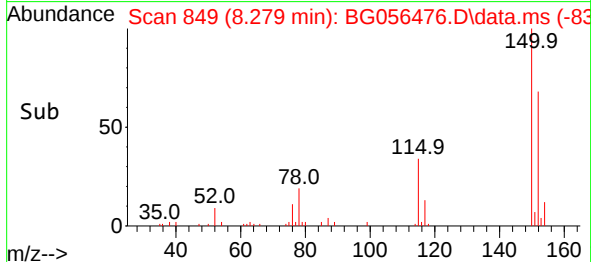
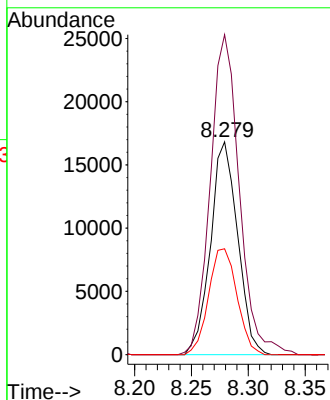
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:152 Resp: 27860
Ion Ratio Lower Upper
152 100
150 150.4 120.2 180.4
115 49.7 36.3 54.5

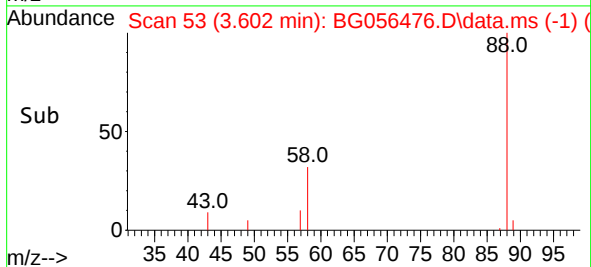
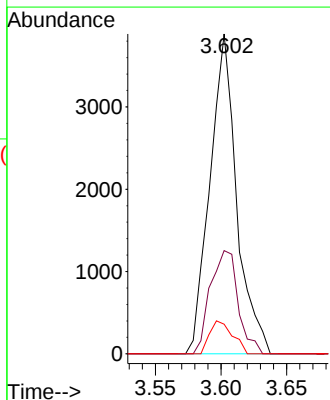
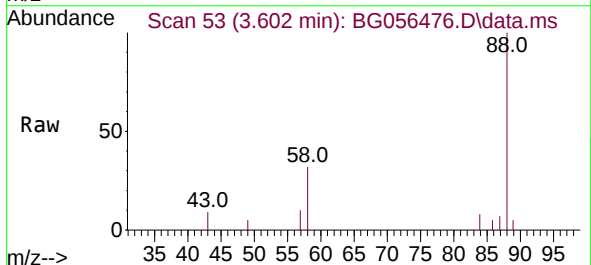
Manual Integrations
APPROVED

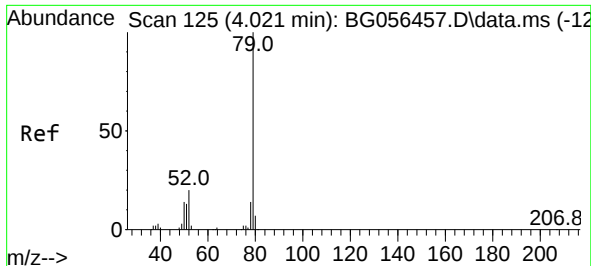
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#2
1,4-Dioxane
Concen: 8.745 ng
RT: 3.602 min Scan# 53
Delta R.T. 0.004 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Tgt Ion: 88 Resp: 5515
Ion Ratio Lower Upper
88 100
58 33.5 23.0 34.4
43 8.8 8.0 12.0





#3

Pyridine

Concen: 6.702 ng

RT: 4.031 min Scan# 11

Delta R.T. 0.010 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

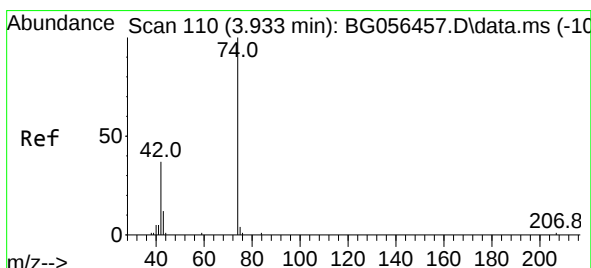
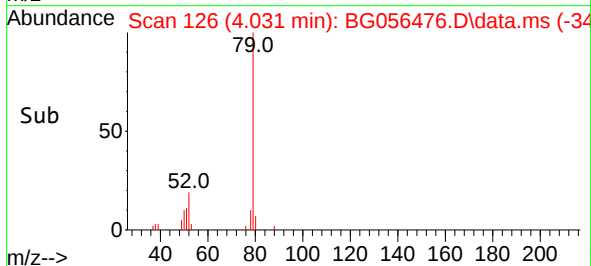
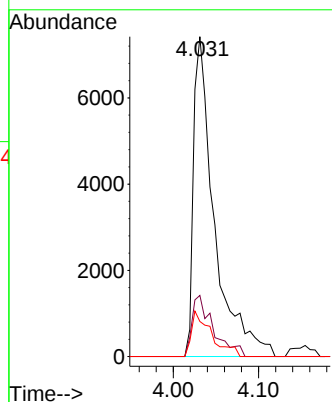
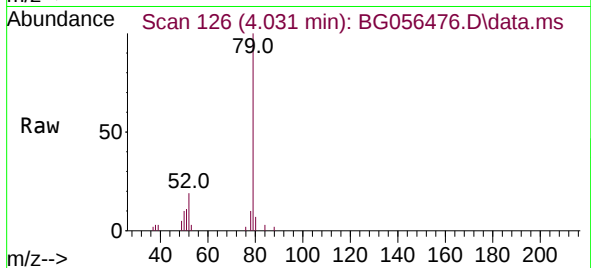
Tgt Ion: 79 Resp: 1259

Ion	Ratio	Lower	Upper
79	100		
52	19.1	16.1	24.1
51	11.0	10.7	16.1

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
01/31/2023

Supervised By :Jagrut
Upadhyay
01/31/2023



#4

n-Nitrosodimethylamine

Concen: 7.497 ng

RT: 3.937 min Scan# 110

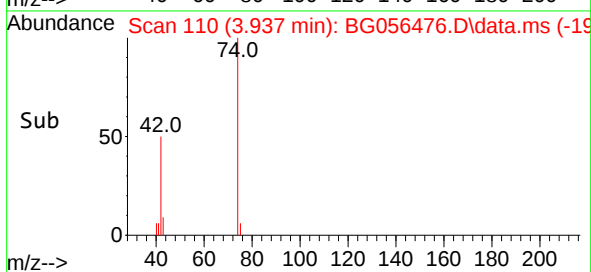
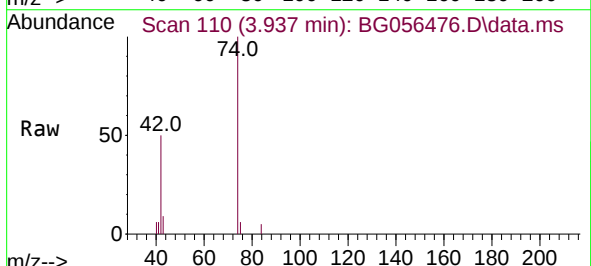
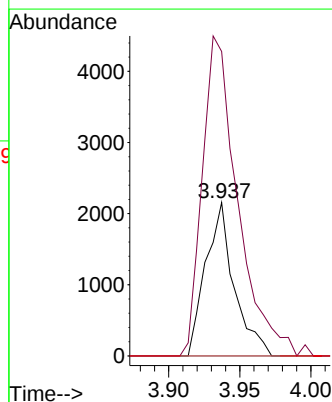
Delta R.T. 0.004 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

Tgt Ion: 42 Resp: 2997

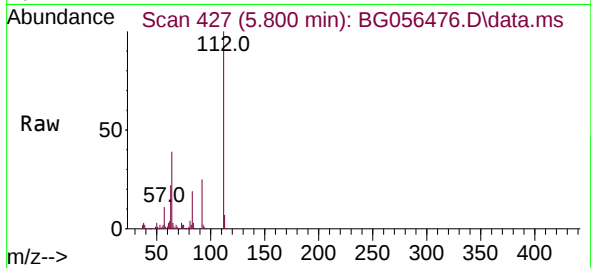
Ion	Ratio	Lower	Upper
42	100		
74	198.4	217.9	326.9#
44	0.0	3.0	4.6#





#5
2-Fluorophenol
Concen: 110.151 ng
RT: 5.800 min Scan# 428
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

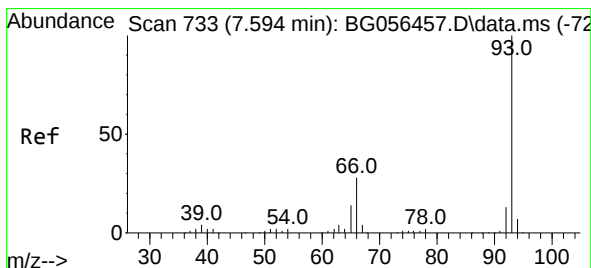
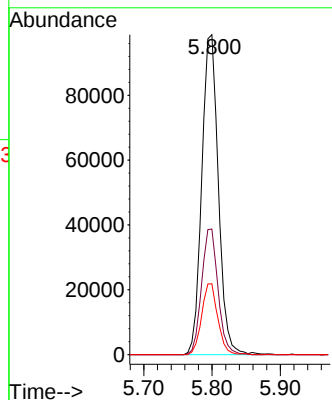
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 112 Resp: 16682
Ion Ratio Lower Upper
112 100
64 39.2 31.9 47.9
63 22.1 17.4 26.0

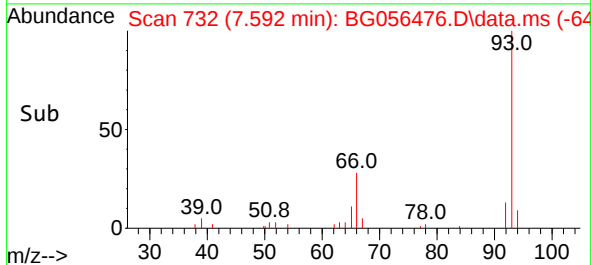
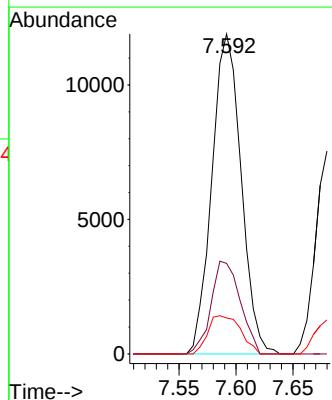
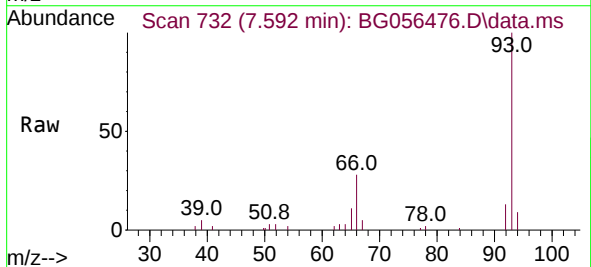
Manual Integrations
APPROVED

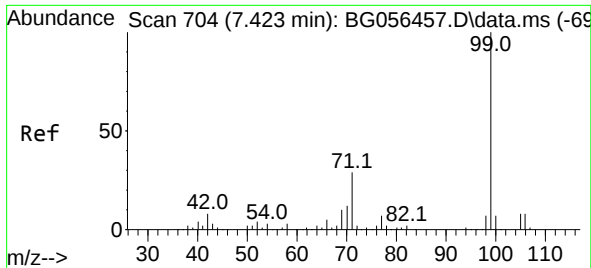
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#6
Aniline
Concen: 7.233 ng
RT: 7.592 min Scan# 732
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Tgt Ion: 93 Resp: 21251
Ion Ratio Lower Upper
93 100
66 28.3 22.2 33.2
65 11.2 11.3 16.9#





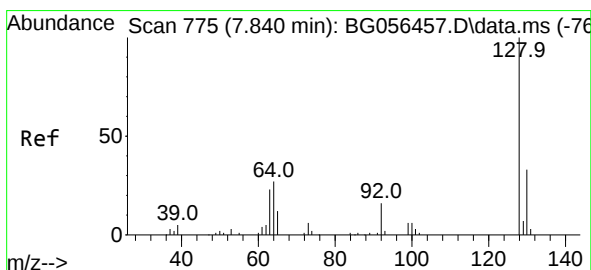
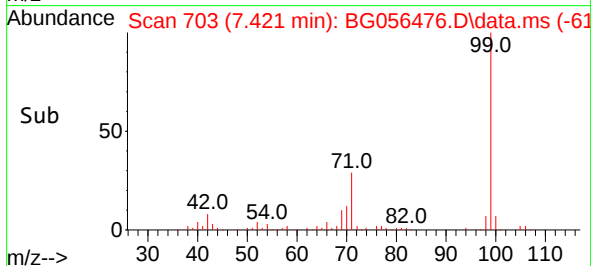
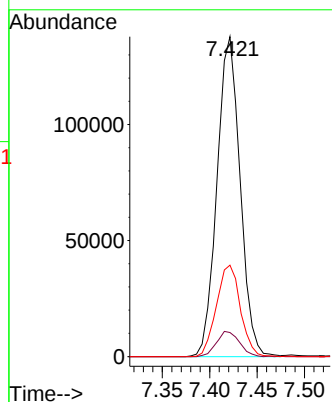
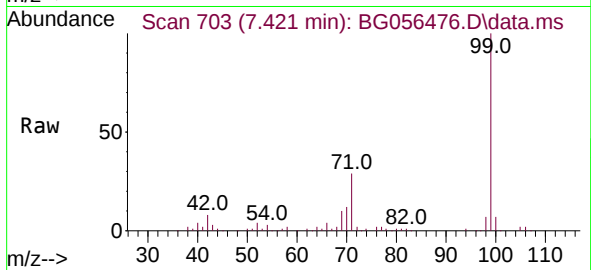
#7
Phenol-d6
Concen: 104.121 ng
RT: 7.421 min Scan# 704
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 99 Resp: 233644
Ion Ratio Lower Upper
99 100
42 7.5 6.6 10.0
71 28.6 23.4 35.0

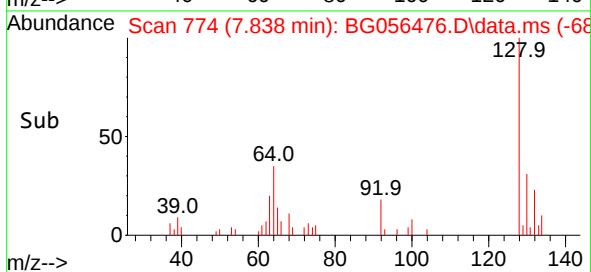
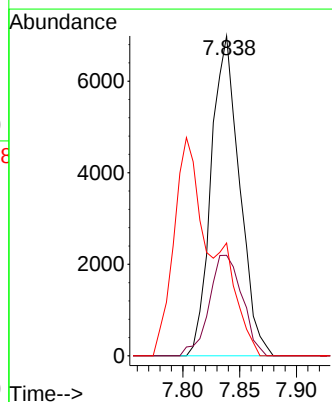
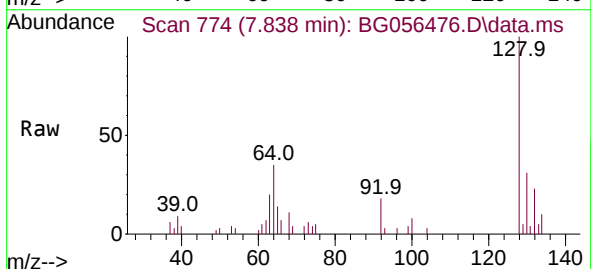
Manual Integrations
APPROVED

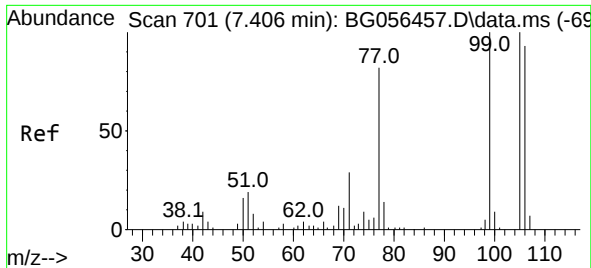
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#8
2-Chlorophenol
Concen: 7.291 ng
RT: 7.838 min Scan# 774
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Tgt Ion:128 Resp: 12131
Ion Ratio Lower Upper
128 100
130 31.4 12.8 52.8
64 35.3 11.3 51.3





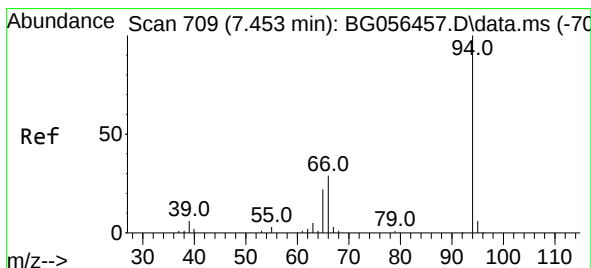
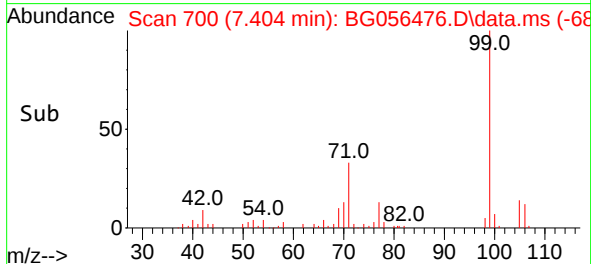
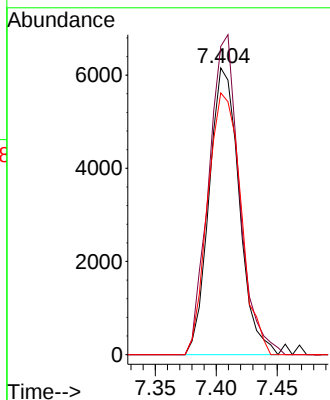
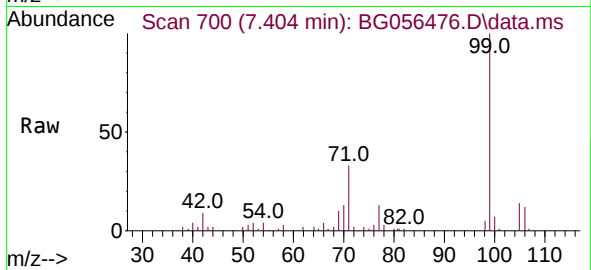
#9
Benzaldehyde
Concen: 7.964 ng
RT: 7.404 min Scan# 701
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 77 Resp: 10590
Ion Ratio Lower Upper
77 100
105 107.5 101.8 141.8
106 91.3 93.0 133.0

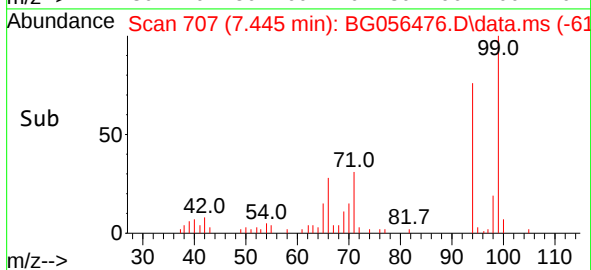
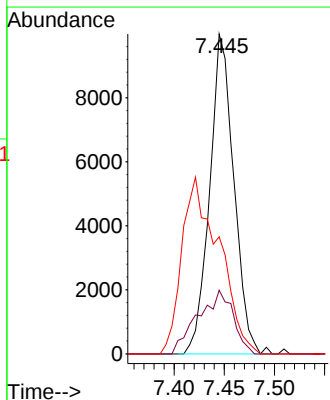
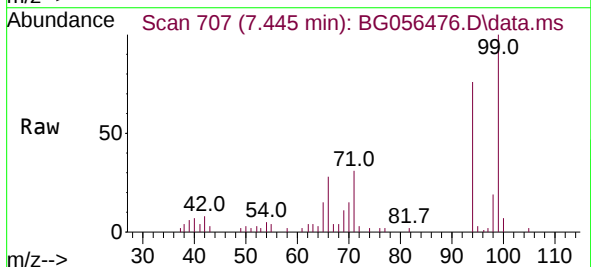
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#10
Phenol
Concen: 7.355 ng
RT: 7.445 min Scan# 707
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Tgt Ion: 94 Resp: 16775
Ion Ratio Lower Upper
94 100
65 19.9 2.3 42.3
66 36.6 11.2 51.2





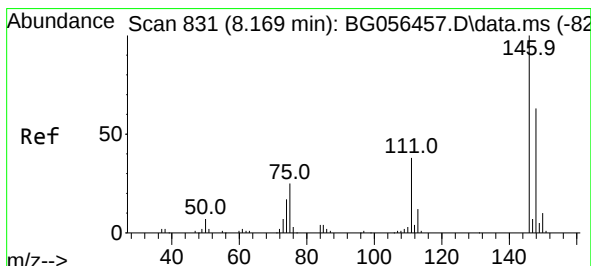
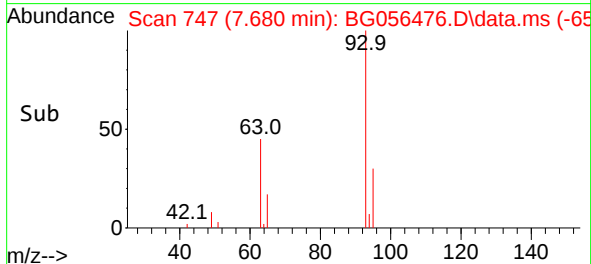
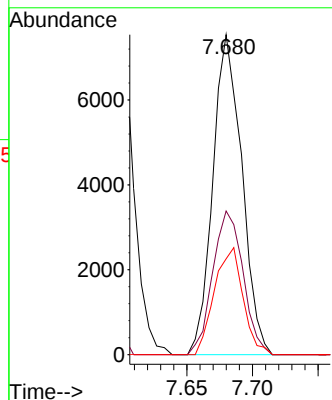
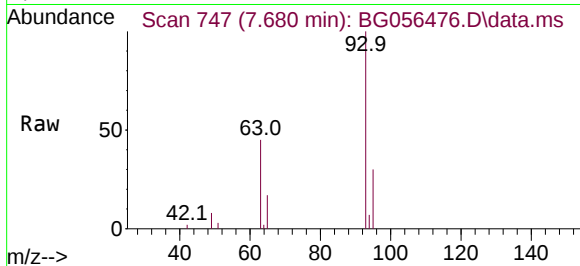
#11
bis(2-Chloroethyl)ether
Concen: 7.389 ng
RT: 7.680 min Scan# 748
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 93 Resp: 11583
Ion Ratio Lower Upper
93 100
63 44.9 32.4 72.4
95 30.0 11.8 51.8

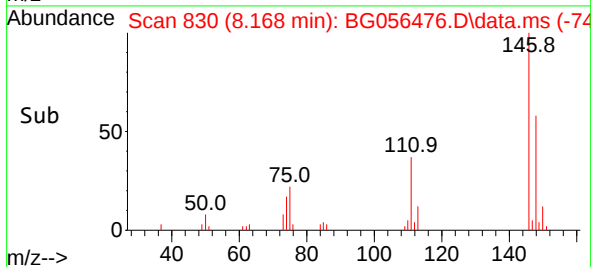
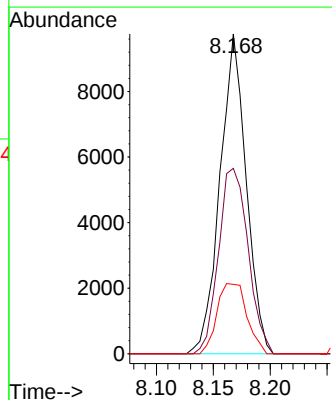
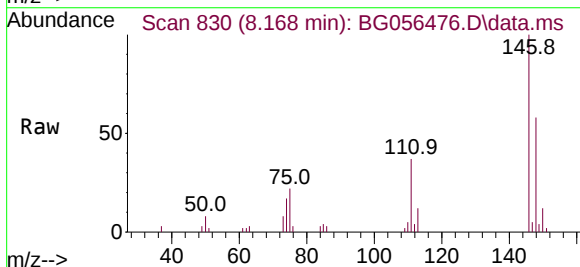
Manual Integrations
APPROVED

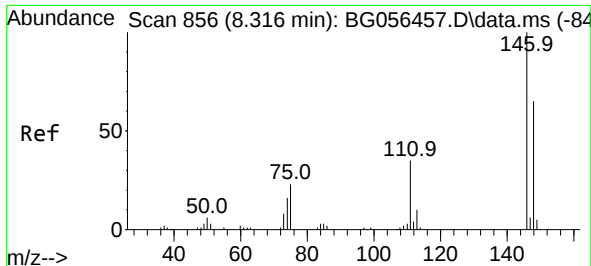
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#12
1,3-Dichlorobenzene
Concen: 8.173 ng
RT: 8.168 min Scan# 830
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Tgt Ion:146 Resp: 15656
Ion Ratio Lower Upper
146 100
148 58.0 50.6 75.8
75 21.7 19.6 29.4





#13

1,4-Dichlorobenzene

Concen: 8.120 ng

RT: 8.314 min Scan# 855

Delta R.T. -0.002 min

Lab File: BG056476.D

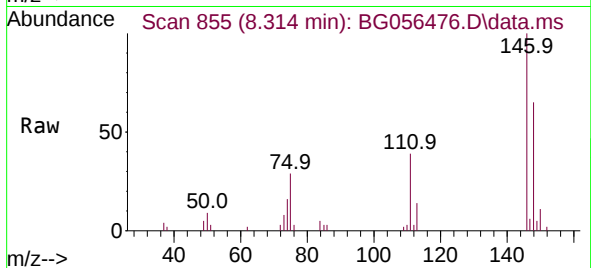
Acq: 30 Jan 2023 19:18

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

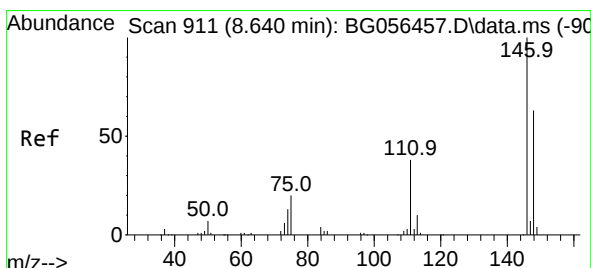
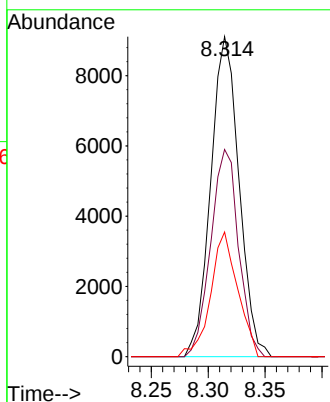
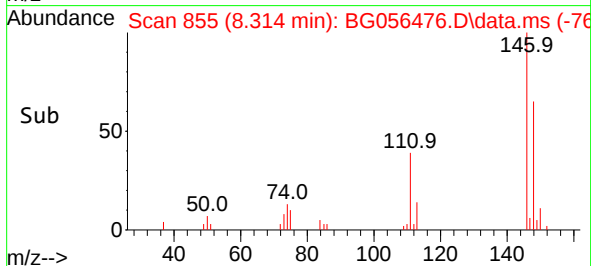


Tgt Ion:	146	Resp:	15752
Ion Ratio	Lower	Upper	
146	100		
148	64.7	51.8	77.6
111	38.9	28.6	42.8

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
01/31/2023

Supervised By :Jagrut
Upadhyay
01/31/2023



#14

1,2-Dichlorobenzene

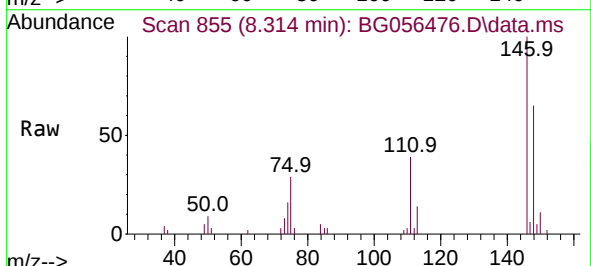
Concen: 8.369 ng

RT: 8.314 min Scan# 855

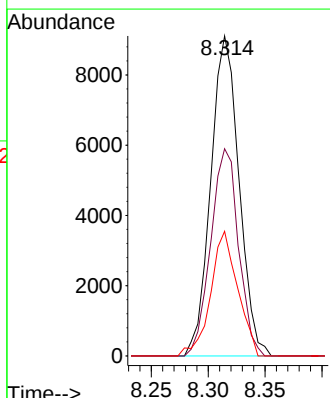
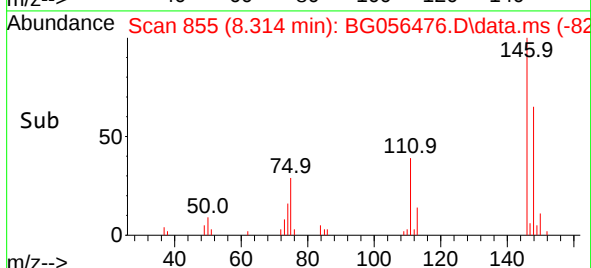
Delta R.T. -0.325 min

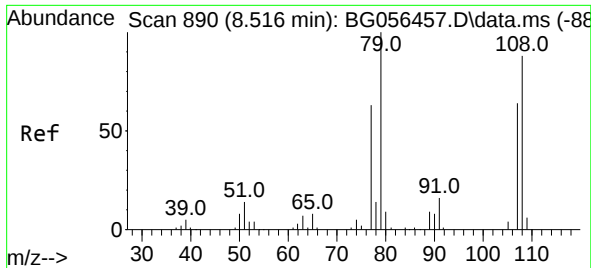
Lab File: BG056476.D

Acq: 30 Jan 2023 19:18



Tgt Ion:	146	Resp:	15752
Ion Ratio	Lower	Upper	
146	100		
148	64.7	50.1	75.1
111	38.9	30.9	46.3





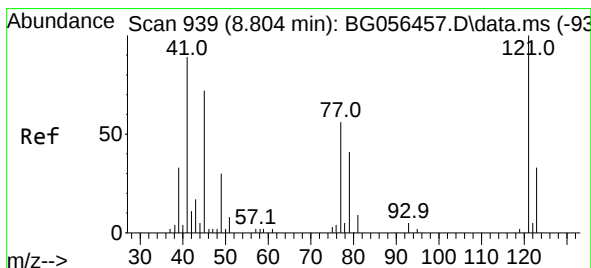
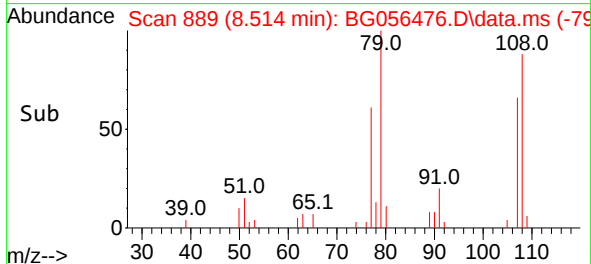
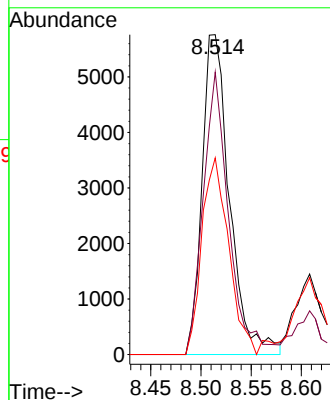
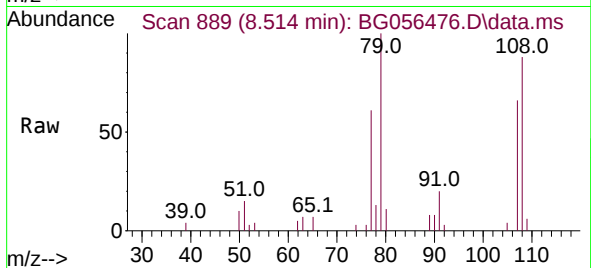
#15
Benzyl Alcohol
Concen: 7.121 ng
RT: 8.514 min Scan# 889
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 79 Resp: 10963
Ion Ratio Lower Upper
79 100
108 88.3 70.1 105.1
77 61.5 50.3 75.5

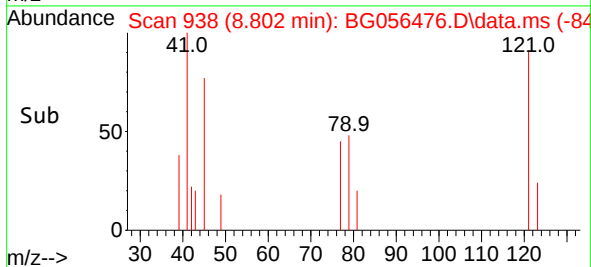
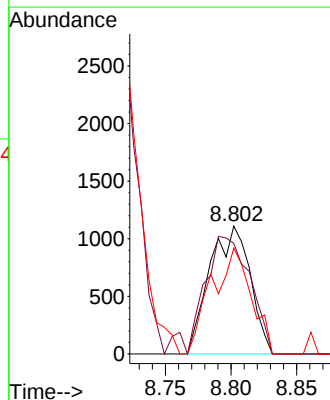
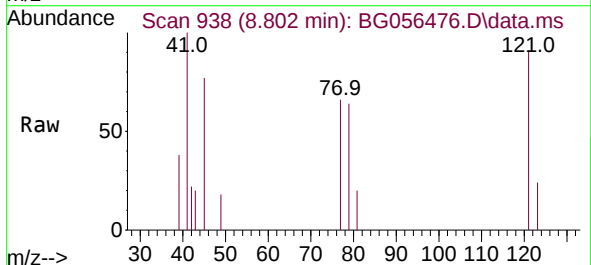
Manual Integrations
APPROVED

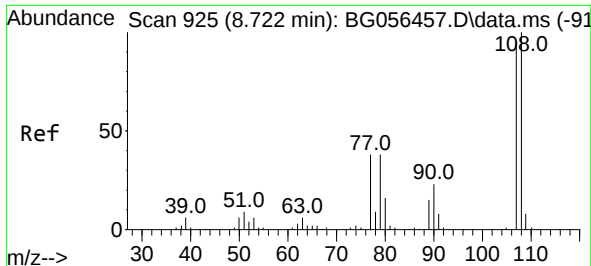
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.183 ng
RT: 8.802 min Scan# 938
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

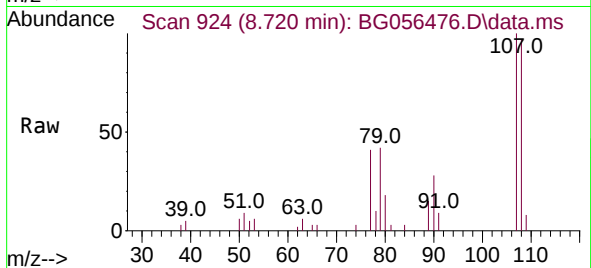
Tgt Ion: 45 Resp: 2386
Ion Ratio Lower Upper
45 100
77 86.5 62.1 102.1
79 82.8 42.7 82.7#





#17
2-Methylphenol
Concen: 6.499 ng
RT: 8.720 min Scan# 91
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

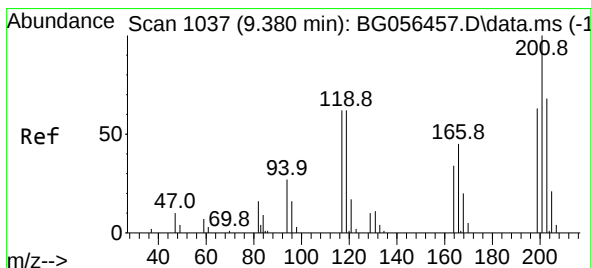
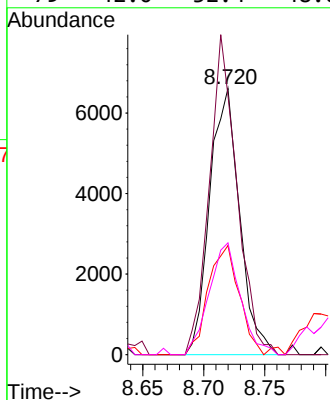


Tgt Ion	Ratio	Lower	Upper
107	100		
108	97.4	83.9	125.9
77	41.0	31.6	47.4
79	42.0	32.4	48.6

Manual Integrations
APPROVED

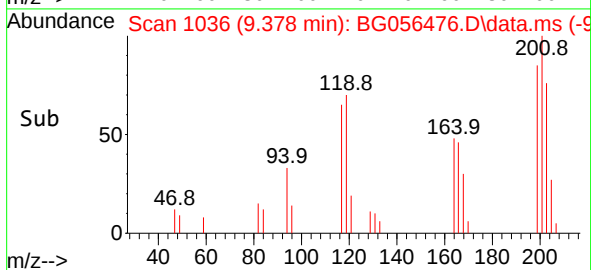
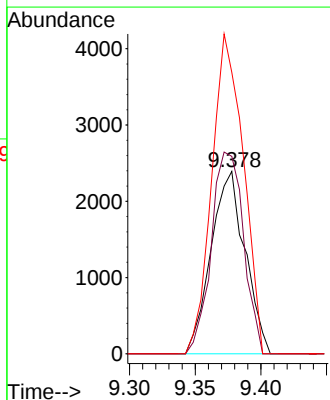
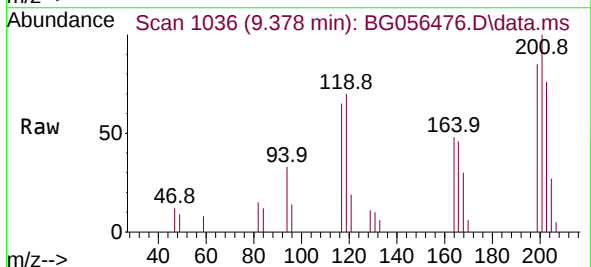
Reviewed By :Christian
Giraldo
01/31/2023

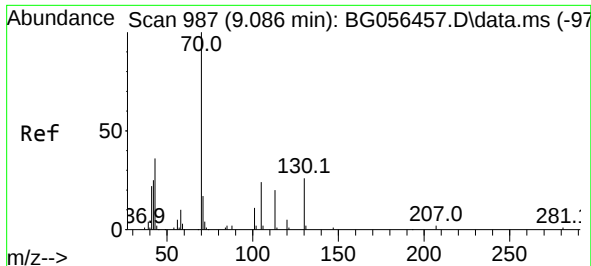
Supervised By :Jagrut
Upadhyay
01/31/2023



#18
Hexachloroethane
Concen: 7.356 ng
RT: 9.378 min Scan# 1036
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

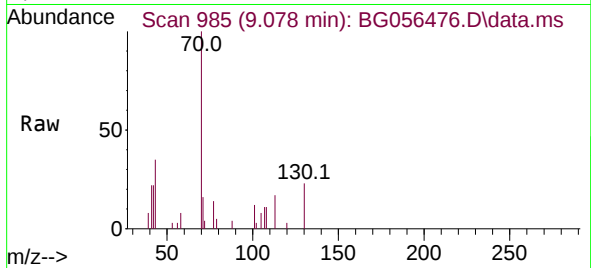
Tgt Ion	Ratio	Lower	Upper
117	100		
119	108.2	79.4	119.0
201	154.2	128.5	192.7





#19
n-Nitroso-di-n-propylamine
Concen: 7.395 ng
RT: 9.078 min Scan# 987
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

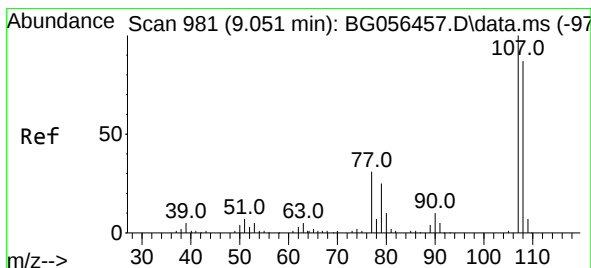
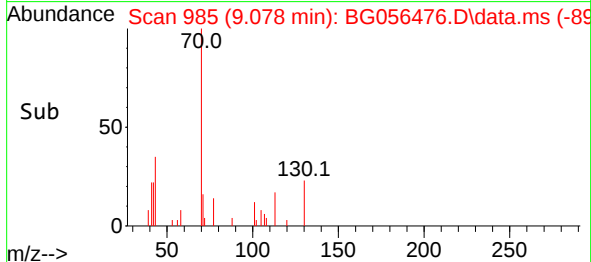
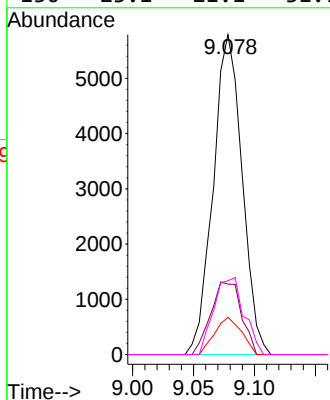
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion	Ratio	Lower	Upper
70	100		
42	22.0	20.2	30.4
101	11.6	9.1	13.7
130	23.1	21.1	31.7

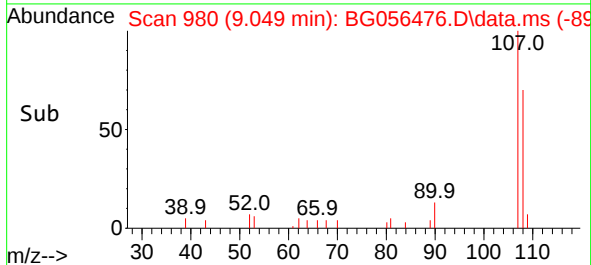
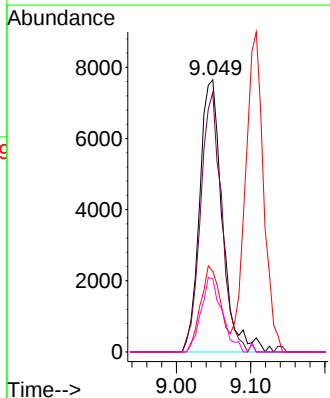
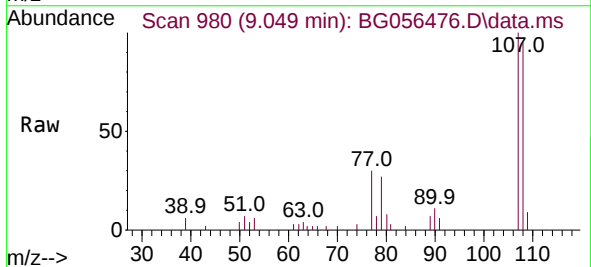
Manual Integrations
APPROVED

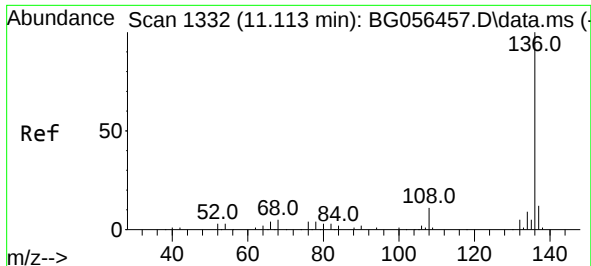
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#20
3+4-Methylphenols
Concen: 6.691 ng
RT: 9.049 min Scan# 980
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

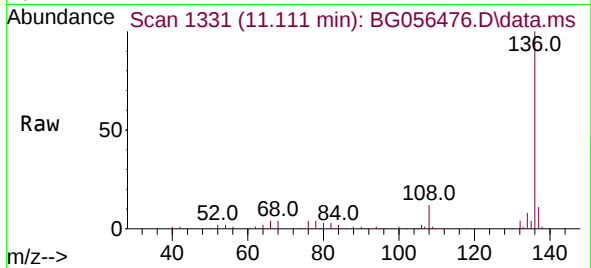
Tgt Ion	Ratio	Lower	Upper
107	100		
108	95.2	66.7	106.7
77	29.6	10.6	50.6
79	26.9	4.9	44.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.111 min Scan# 1332
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

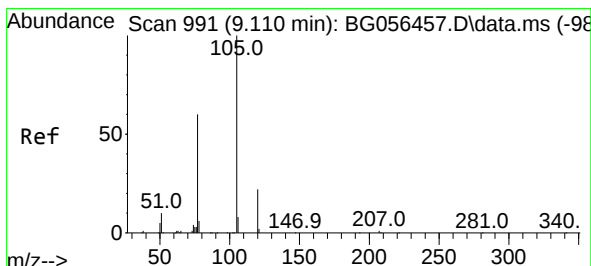
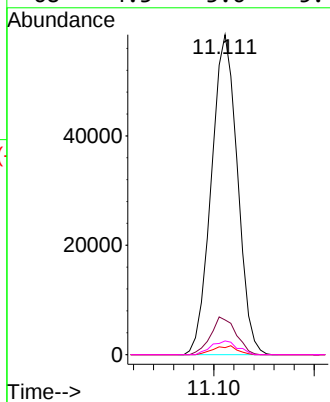
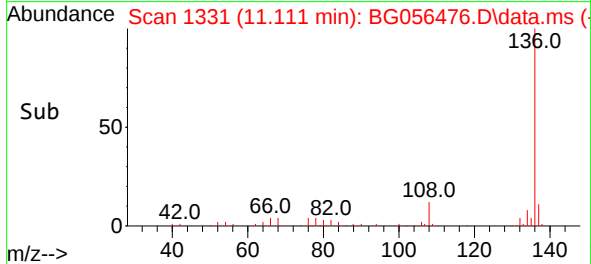
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:136 Resp: 105624
Ion Ratio Lower Upper
136 100
137 10.8 9.4 14.0
54 2.2 2.2 3.4
68 4.3 3.6 5.4

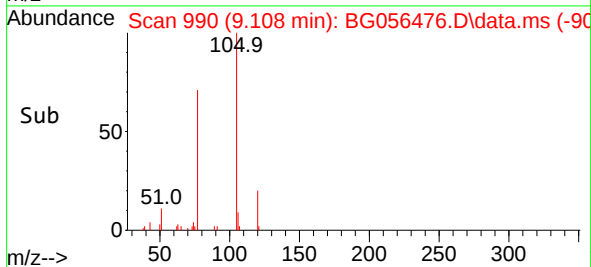
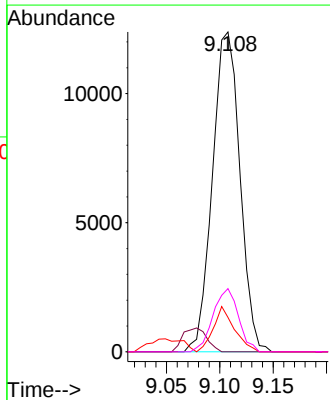
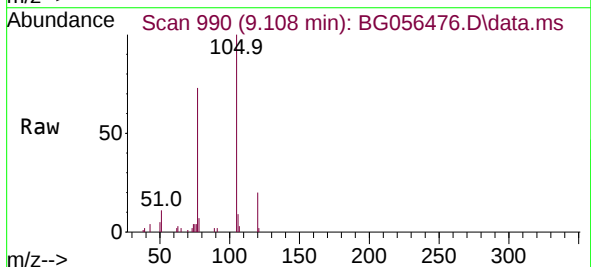
Manual Integrations
APPROVED

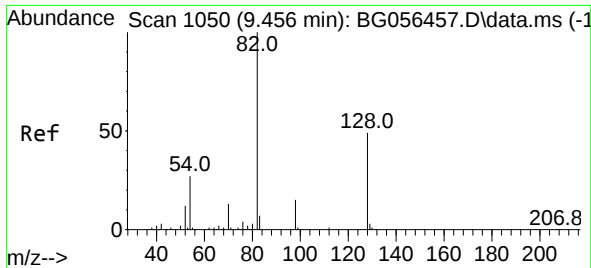
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#22
Acetophenone
Concen: 7.939 ng
RT: 9.108 min Scan# 990
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

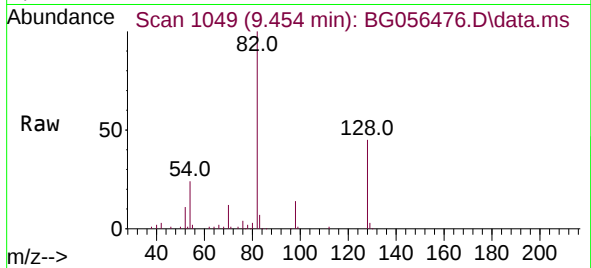
Tgt Ion:105 Resp: 22281
Ion Ratio Lower Upper
105 100
71 0.0 0.6 0.8
51 10.8 9.2 13.8
120 19.8 17.4 26.0





#23
Nitrobenzene-d5
Concen: 71.889 ng
RT: 9.454 min Scan# 1049
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

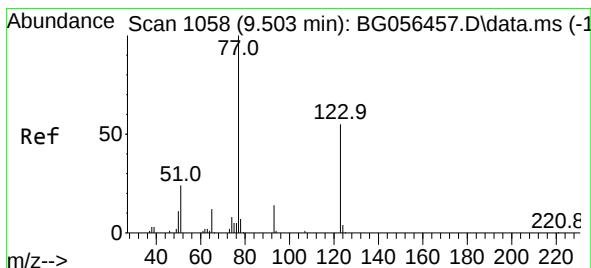
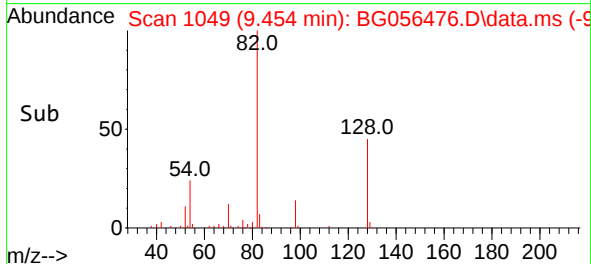
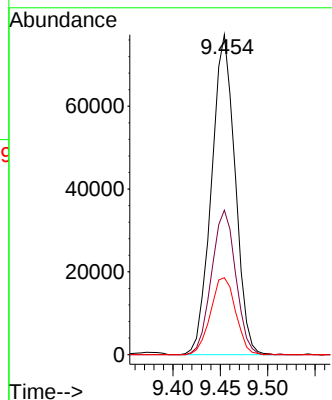


Tgt Ion: 82 Resp: 133718
Ion Ratio Lower Upper
82 100
128 45.1 39.4 59.2
54 24.0 21.4 32.2

Manual Integrations
APPROVED

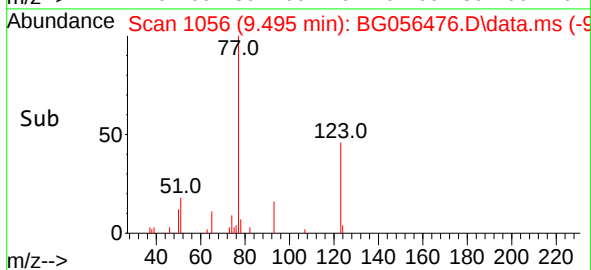
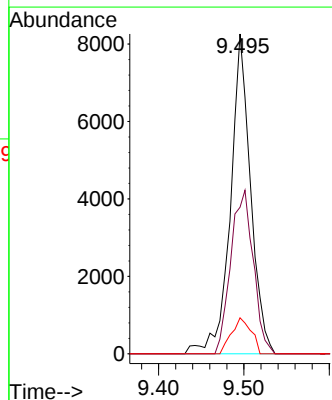
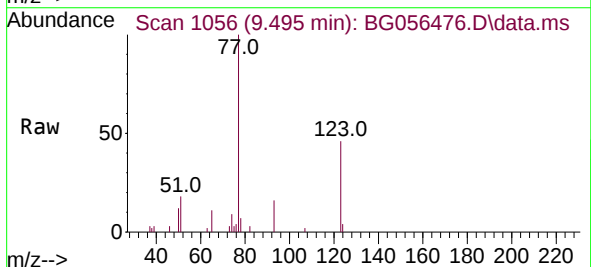
Reviewed By :Christian
Giraldo
01/31/2023

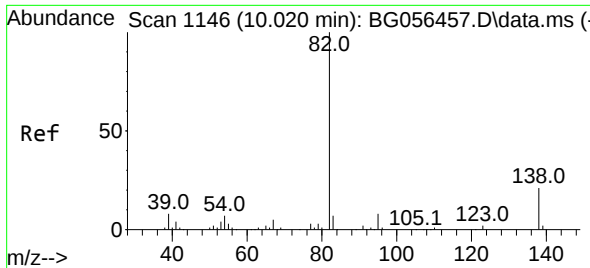
Supervised By :Jagrut
Upadhyay
01/31/2023



#24
Nitrobenzene
Concen: 7.548 ng
RT: 9.495 min Scan# 1056
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Tgt Ion: 77 Resp: 13542
Ion Ratio Lower Upper
77 100
123 45.8 44.0 66.0
65 11.3 9.7 14.5





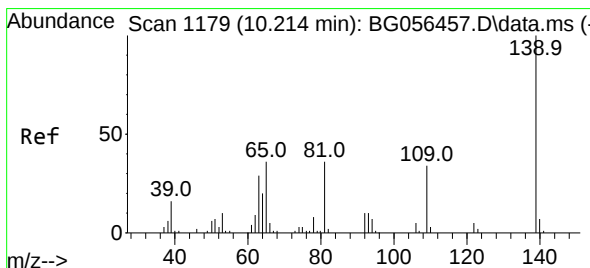
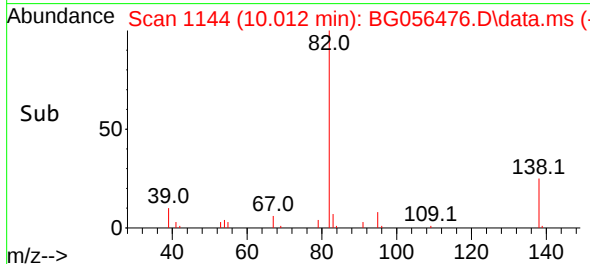
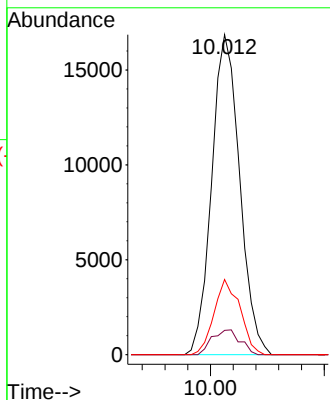
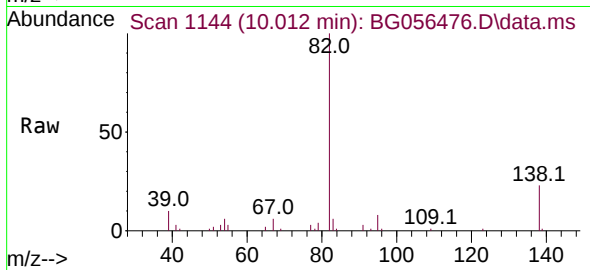
#25
Isophorone
Concen: 7.486 ng
RT: 10.012 min Scan# 1144
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 82 Resp: 28728
Ion Ratio Lower Upper
82 100
95 7.6 6.3 9.5
138 23.5 16.6 25.0

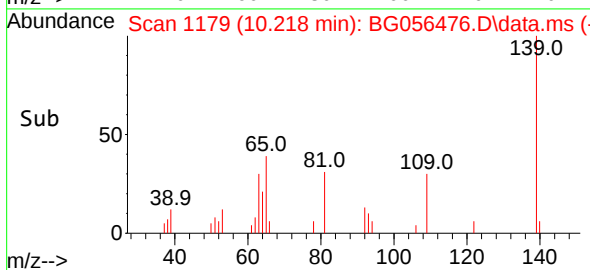
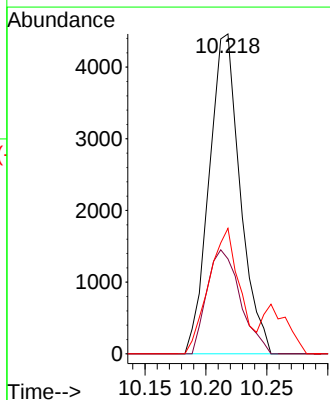
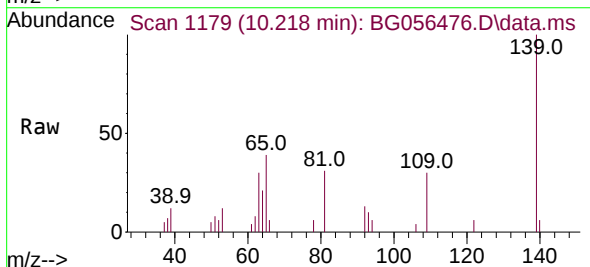
Manual Integrations
APPROVED

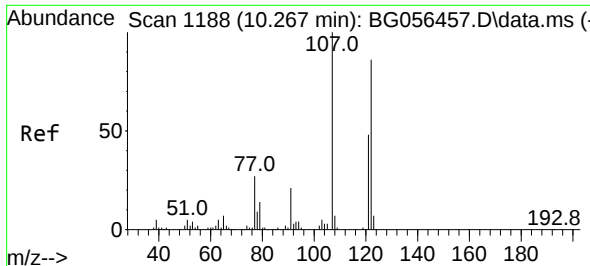
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#26
2-Nitrophenol
Concen: 7.253 ng
RT: 10.218 min Scan# 1179
Delta R.T. 0.004 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Tgt Ion:139 Resp: 7895
Ion Ratio Lower Upper
139 100
109 29.7 26.9 40.3
65 39.2 29.0 43.4





#27

2,4-Dimethylphenol

Concen: 7.014 ng m

RT: 10.259 min Scan# 1188

Delta R.T. -0.008 min

Lab File: BG056476.D

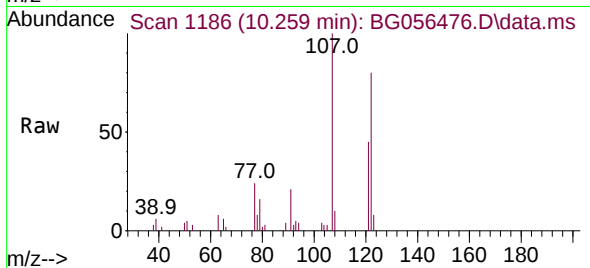
Acq: 30 Jan 2023 19:18

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

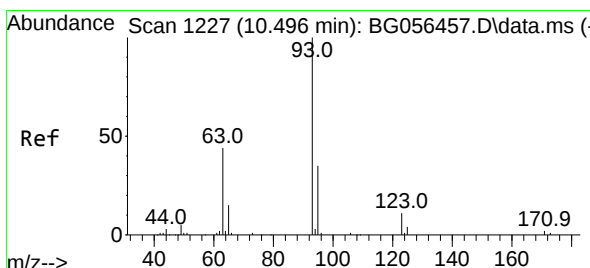
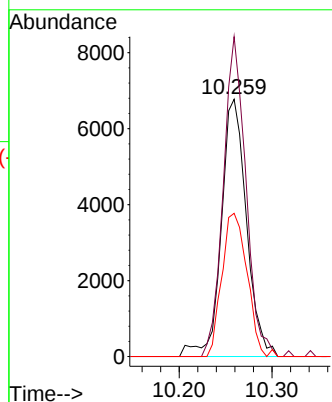


Tgt Ion:	122	Resp:	12778
Ion	Ratio	Lower	Upper
122	100		
107	124.4	92.9	139.3
121	55.7	45.0	67.4

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
01/31/2023

Supervised By :Jagrut
Upadhyay
01/31/2023



#28

bis(2-Chloroethoxy)methane

Concen: 7.555 ng

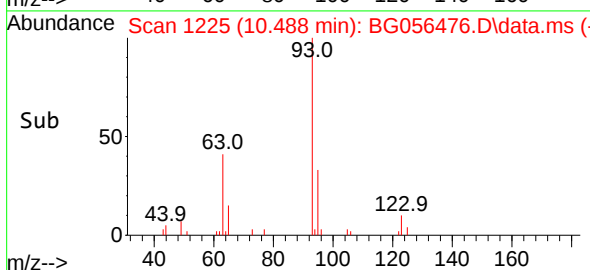
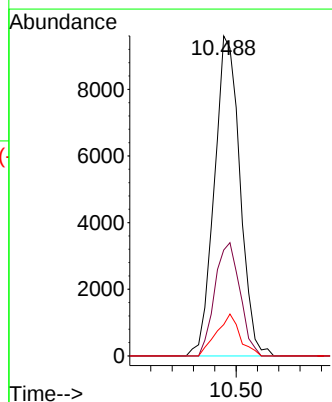
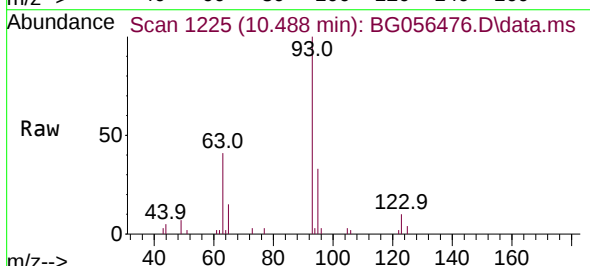
RT: 10.488 min Scan# 1225

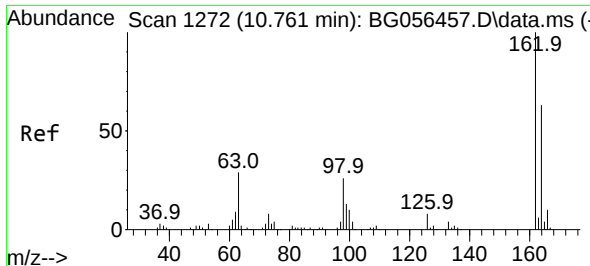
Delta R.T. -0.008 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

Tgt Ion:	93	Resp:	16015
Ion	Ratio	Lower	Upper
93	100		
95	33.1	27.9	41.9
123	9.8	8.6	12.8





#29

2,4-Dichlorophenol

Concen: 7.383 ng

RT: 10.759 min Scan# 11

Delta R.T. -0.002 min

Lab File: BG056476.D

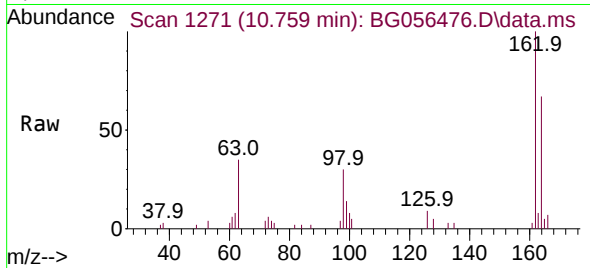
Acq: 30 Jan 2023 19:18

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

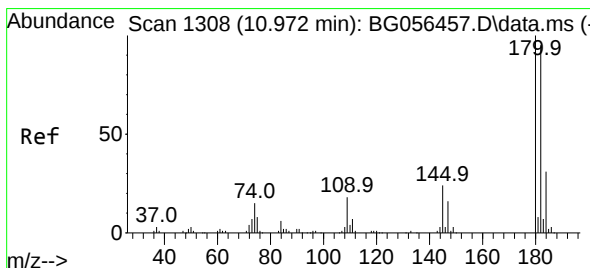
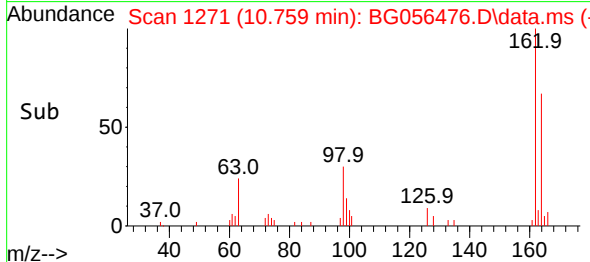
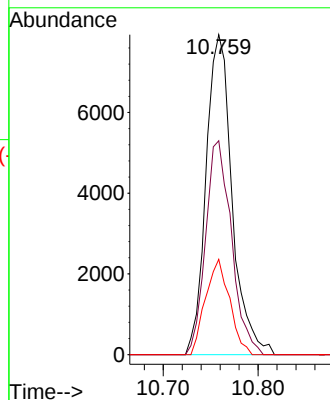


Tgt Ion:	162	Resp:	1514
Ion Ratio	Lower	Upper	
162	100		
164	66.8	42.8	82.8
98	29.8	6.5	46.5

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
01/31/2023

Supervised By :Jagrut
Upadhyay
01/31/2023



#30

1,2,4-Trichlorobenzene

Concen: 7.913 ng

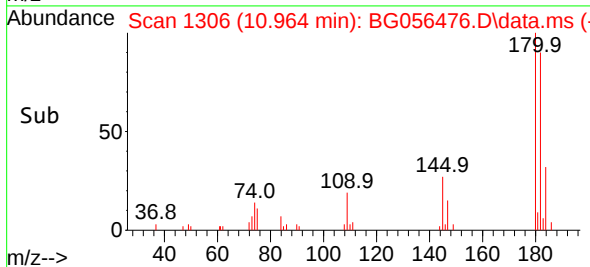
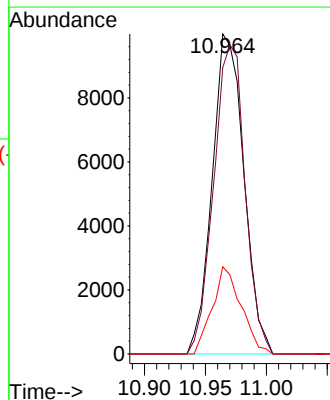
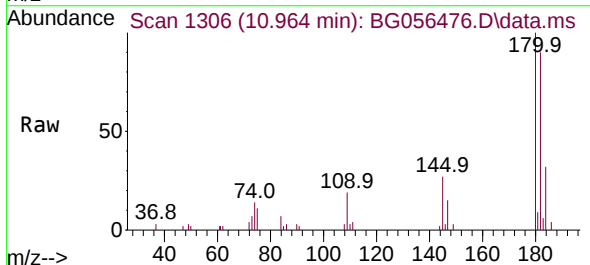
RT: 10.964 min Scan# 1306

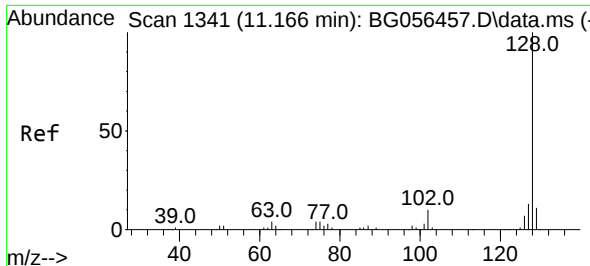
Delta R.T. -0.008 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

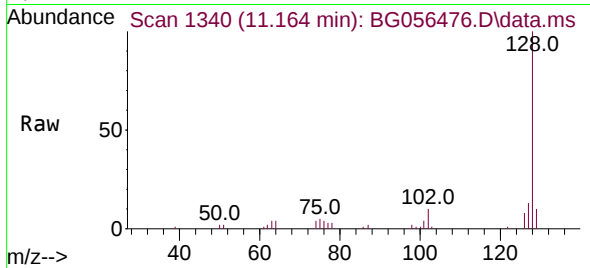
Tgt Ion:	180	Resp:	18033
Ion Ratio	Lower	Upper	
180	100		
182	89.5	75.9	113.9
145	27.2	19.4	29.0





#31
Naphthalene
Concen: 7.756 ng
RT: 11.164 min Scan# 1341
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

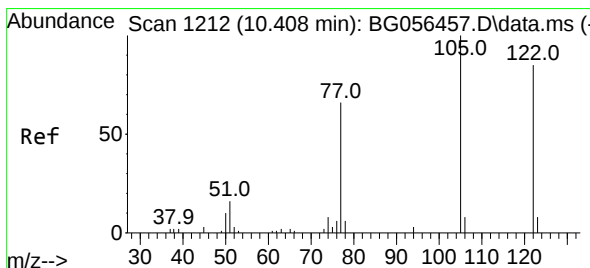
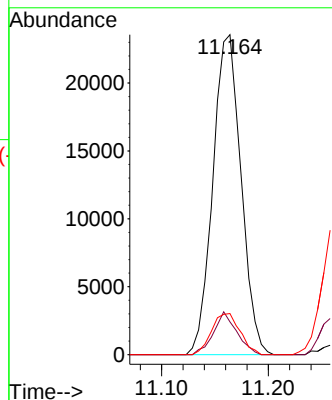
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:128 Resp: 43239
Ion Ratio Lower Upper
128 100
129 10.2 8.7 13.1
127 12.8 10.4 15.6

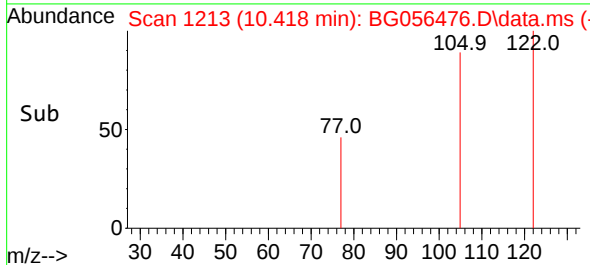
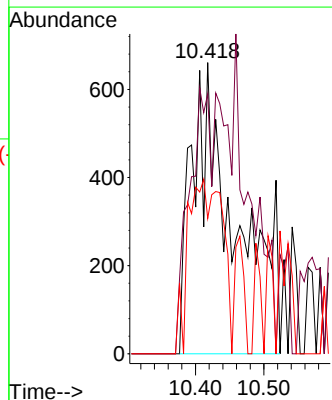
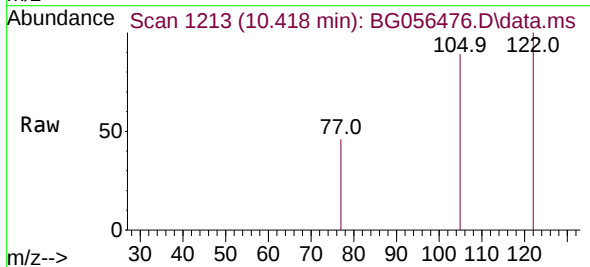
Manual Integrations
APPROVED

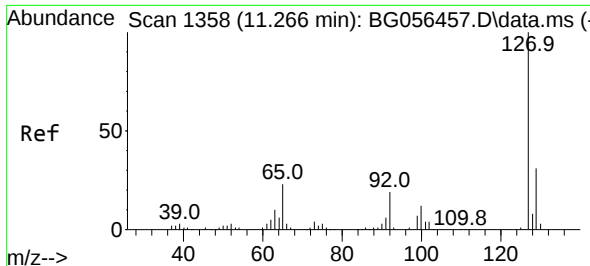
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#32
Benzoic acid
Concen: 2.833 ng m
RT: 10.418 min Scan# 1213
Delta R.T. 0.010 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

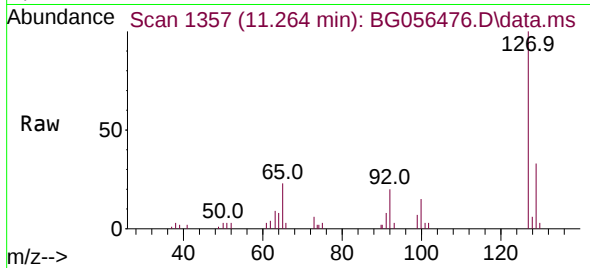
Tgt Ion:122 Resp: 2888
Ion Ratio Lower Upper
122 100
105 89.3 96.5 136.5#
77 46.4 57.3 97.3#





#33
4-Chloroaniline
Concen: 7.688 ng
RT: 11.264 min Scan# 1357
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

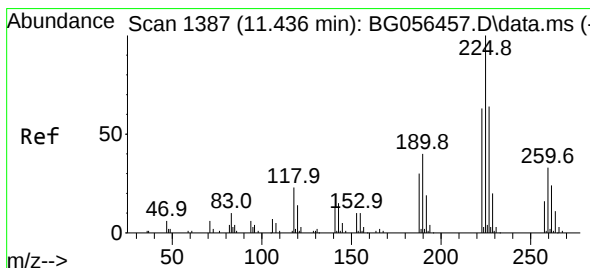
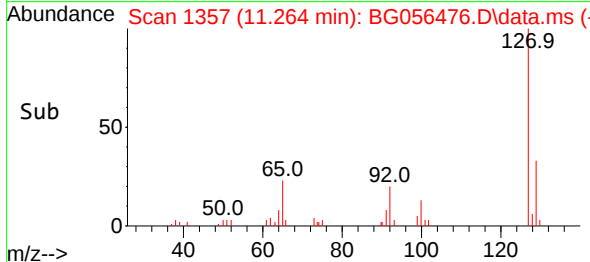
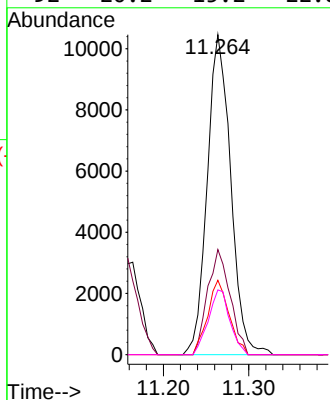
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.0	37.6
65	23.2	18.5	27.7
92	20.2	15.2	22.8

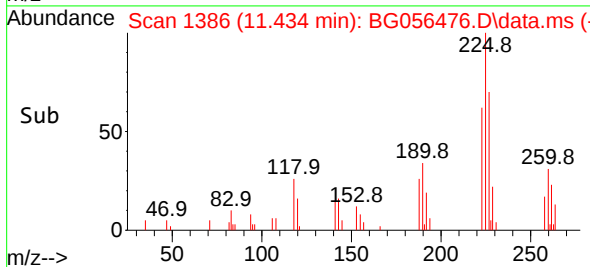
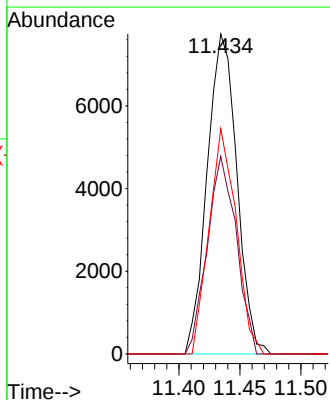
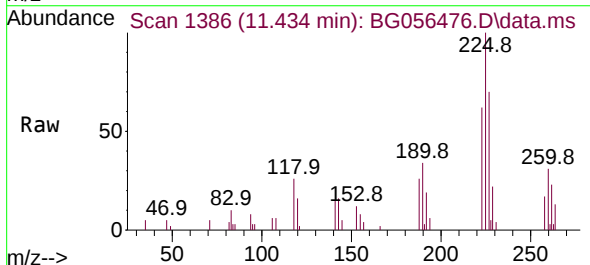
Manual Integrations
APPROVED

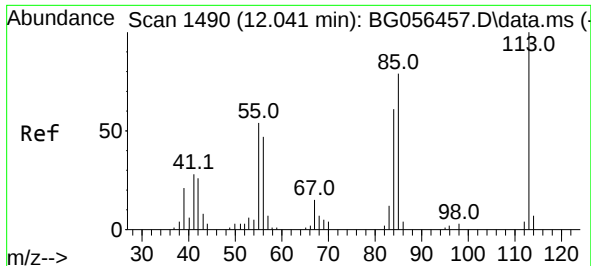
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrit
Upadhyay
01/31/2023



#34
Hexachlorobutadiene
Concen: 8.203 ng
RT: 11.434 min Scan# 1386
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

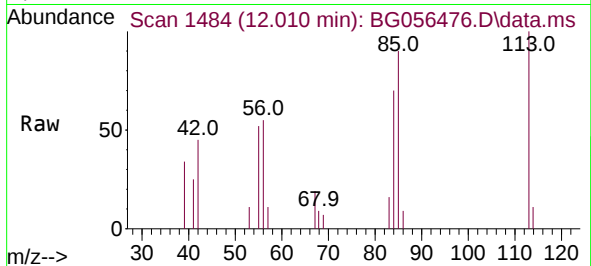
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.6	75.8
227	70.4	53.7	80.5





#35
Caprolactam
Concen: 7.779 ng
RT: 12.010 min Scan# 1484
Delta R.T. -0.031 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

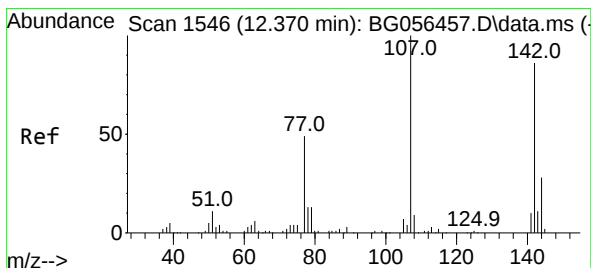
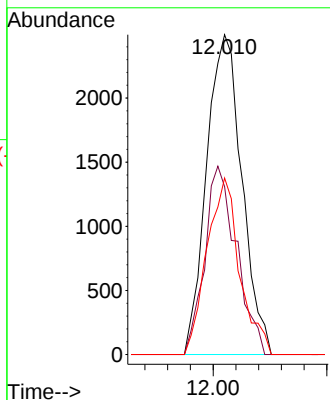
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:113 Resp: 5380
Ion Ratio Lower Upper
113 100
55 52.5 33.7 73.7
56 55.2 27.1 67.1

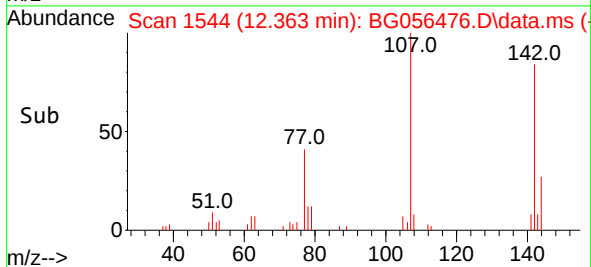
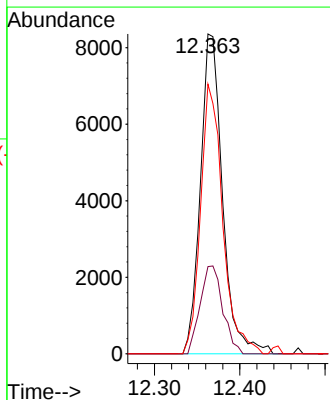
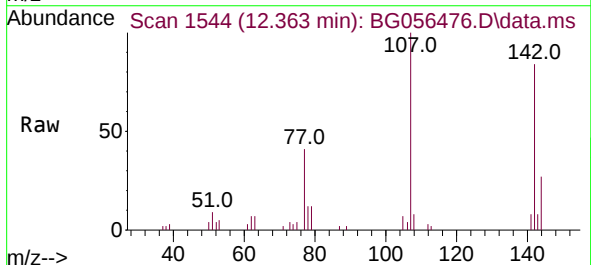
Manual Integrations
APPROVED

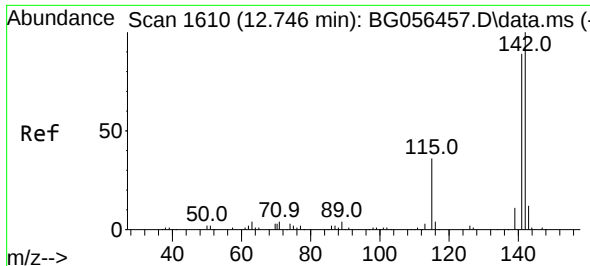
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#36
4-Chloro-3-methylphenol
Concen: 7.611 ng
RT: 12.363 min Scan# 1544
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

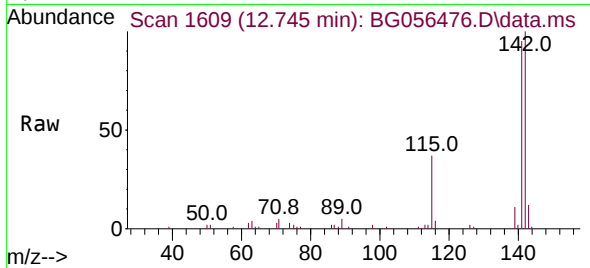
Tgt Ion:107 Resp: 15072
Ion Ratio Lower Upper
107 100
144 27.3 22.3 33.5
142 84.3 68.9 103.3





#37
2-Methylnaphthalene
Concen: 7.313 ng
RT: 12.745 min Scan# 1609
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

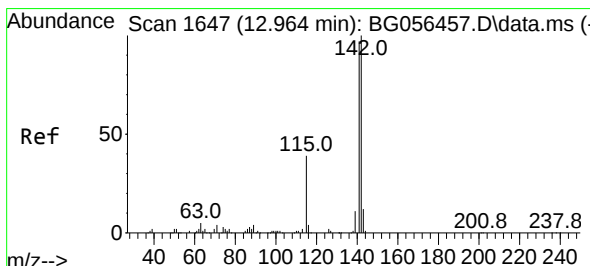
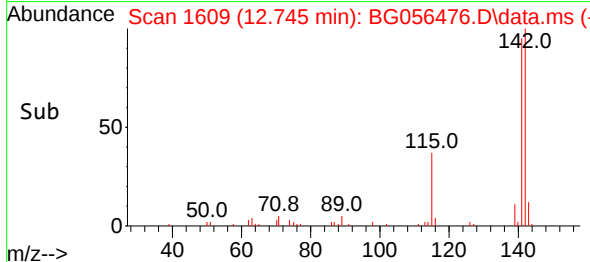
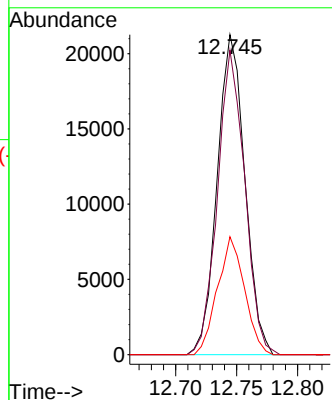
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:142 Resp: 33610
Ion Ratio Lower Upper
142 100
141 95.1 71.4 107.0
115 36.8 28.4 42.6

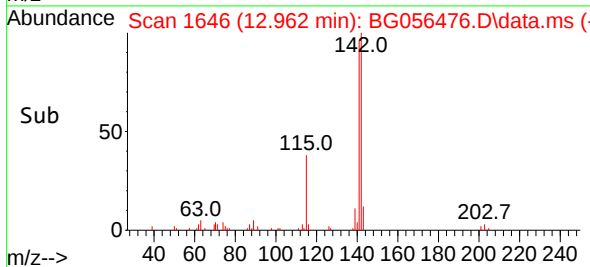
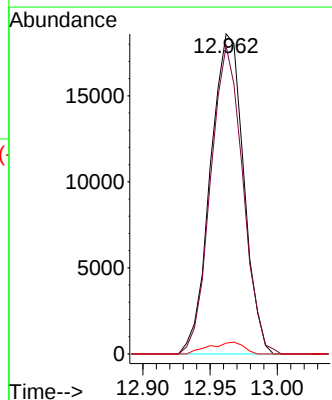
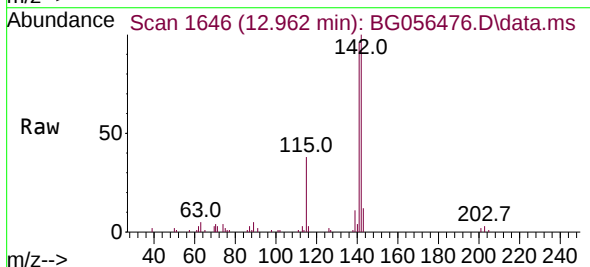
Manual Integrations
APPROVED

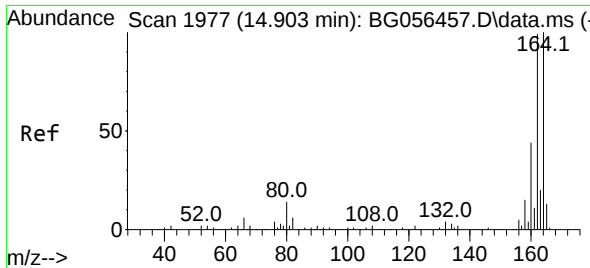
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#38
1-Methylnaphthalene
Concen: 7.432 ng m
RT: 12.962 min Scan# 1646
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

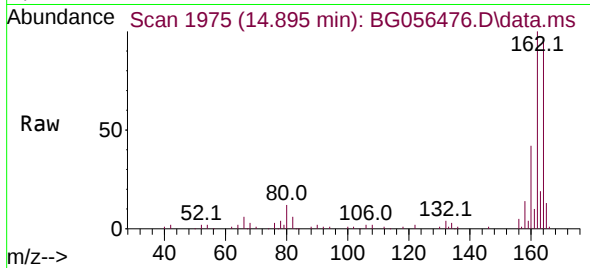
Tgt Ion:142 Resp: 31902
Ion Ratio Lower Upper
142 100
141 96.3 77.7 116.5
116 3.4 3.4 5.2#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.895 min Scan# 1975
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

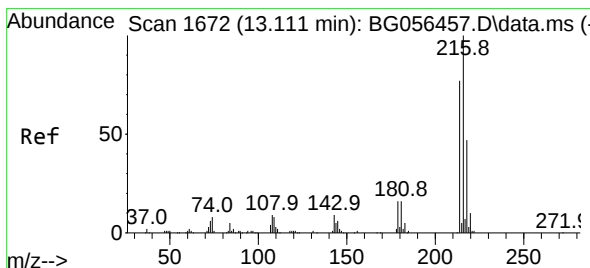
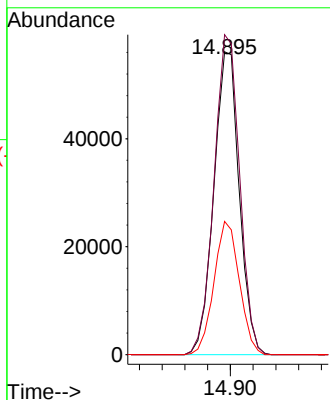
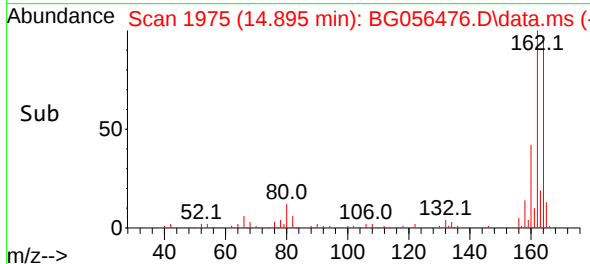
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



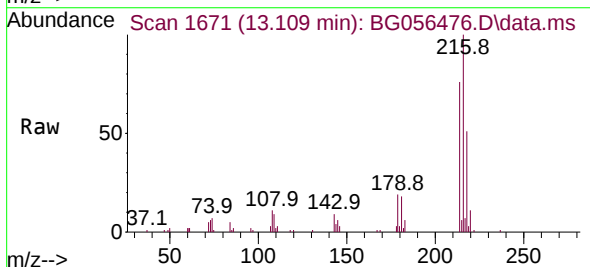
Tgt Ion:164 Resp: 87099
Ion Ratio Lower Upper
164 100
162 105.7 79.6 119.4
160 44.0 34.9 52.3

Manual Integrations
APPROVED

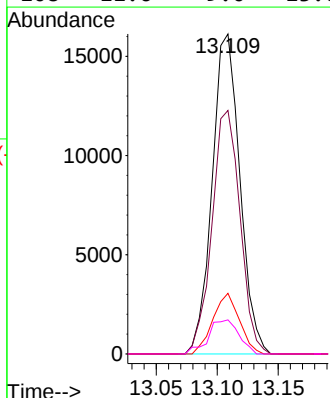
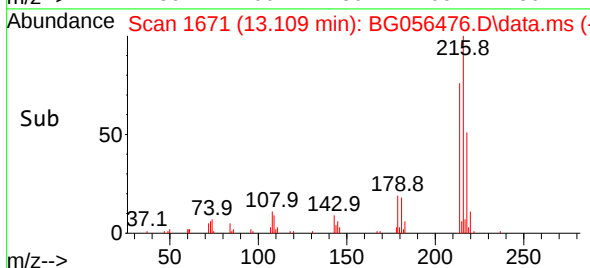
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023

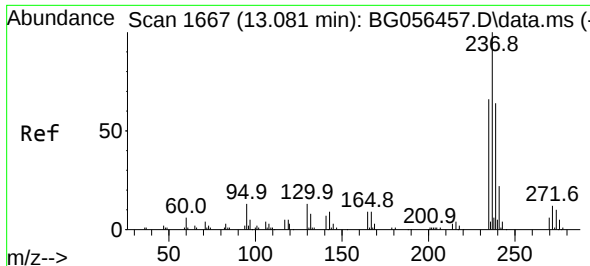


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.025 ng
RT: 13.109 min Scan# 1671
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18



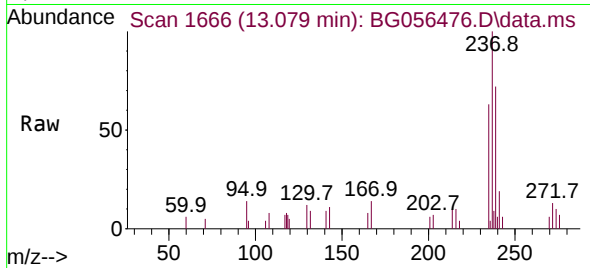
Tgt Ion:216 Resp: 25537
Ion Ratio Lower Upper
216 100
214 76.9 63.0 94.6
179 18.1 14.1 21.1
108 11.6 9.0 13.6





#41
Hexachlorocyclopentadiene
Concen: 9.656 ng
RT: 13.079 min Scan# 1666
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

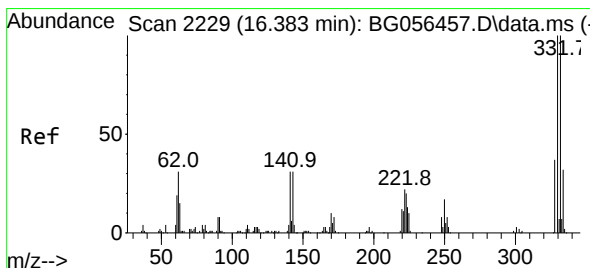
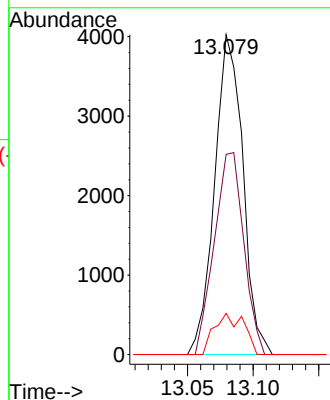
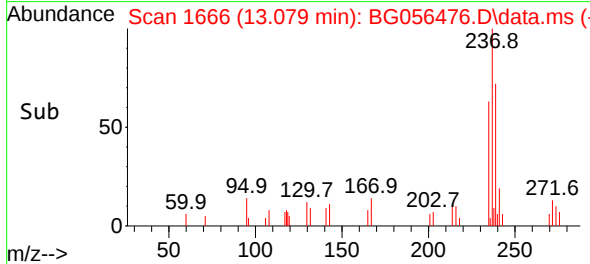
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



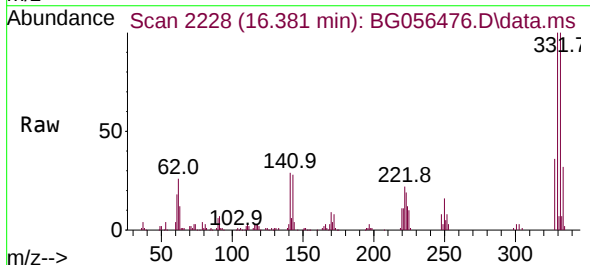
Tgt Ion: 237 Resp: 6020
Ion Ratio Lower Upper
237 100
235 66.5 45.6 85.6
272 12.9 0.0 32.3

Manual Integrations
APPROVED

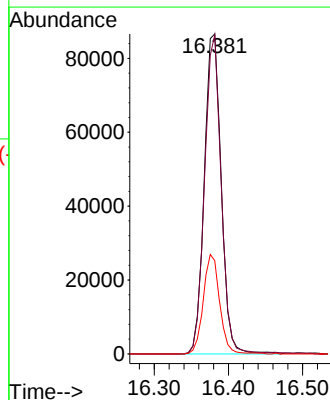
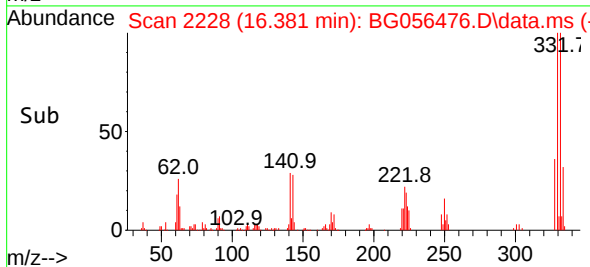
Reviewed By : Christian Giraldo
01/31/2023
Supervised By : Jagrut Upadhyay
01/31/2023

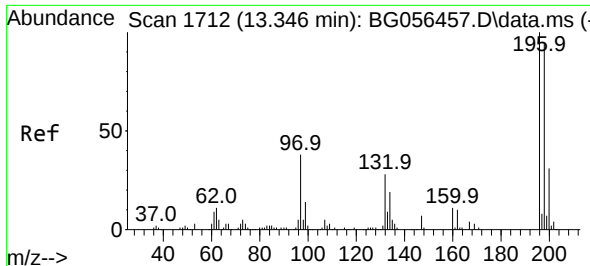


#42
2,4,6-Tribromophenol
Concen: 118.472 ng
RT: 16.381 min Scan# 2228
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18



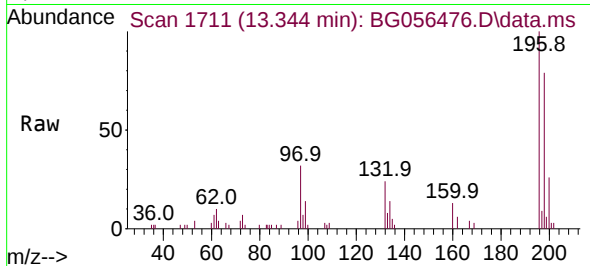
Tgt Ion: 330 Resp: 137182
Ion Ratio Lower Upper
330 100
332 97.1 79.0 118.6
141 30.1 24.2 36.4





#43
2,4,6-Trichlorophenol
Concen: 7.451 ng
RT: 13.344 min Scan# 1712
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

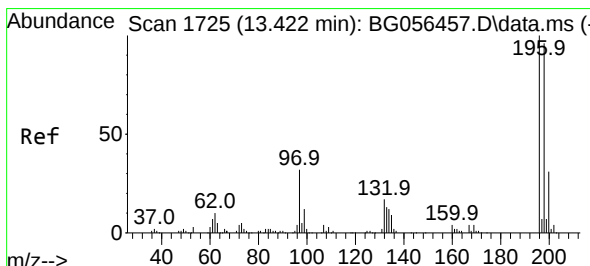
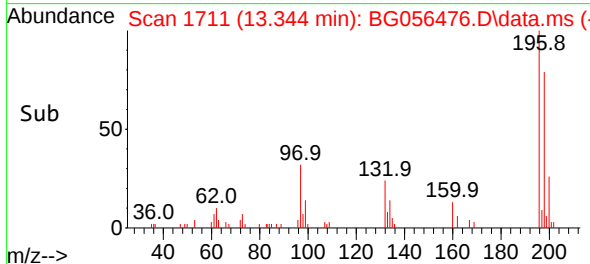
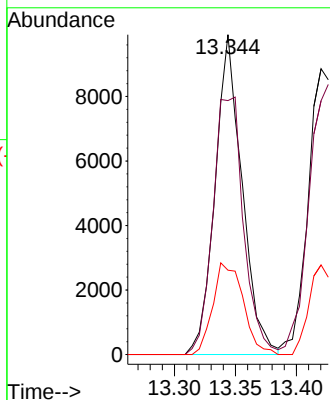
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:196 Resp: 15278
Ion Ratio Lower Upper
196 100
198 79.4 75.4 113.0
200 26.4 25.0 37.6

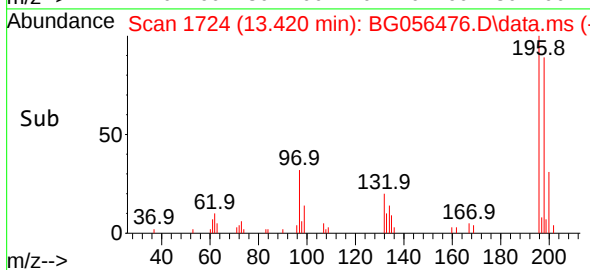
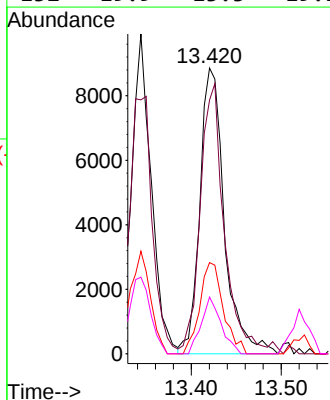
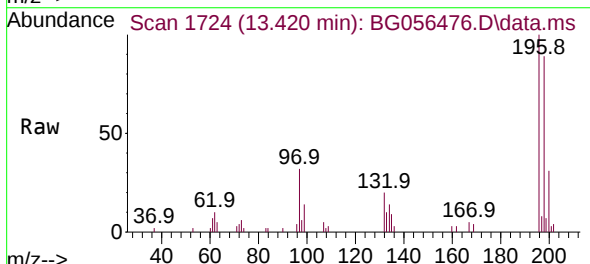
Manual Integrations
APPROVED

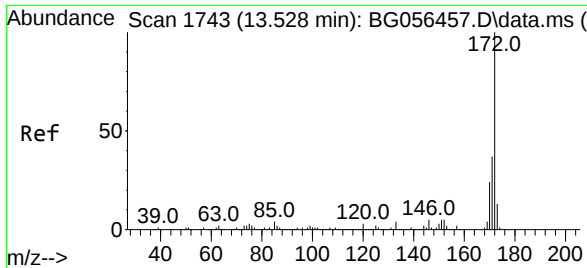
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#44
2,4,5-Trichlorophenol
Concen: 7.002 ng
RT: 13.420 min Scan# 1724
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

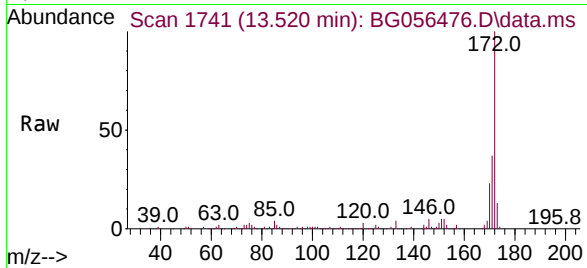
Tgt Ion:196 Resp: 16811
Ion Ratio Lower Upper
196 100
198 95.8 76.9 115.3
97 31.9 25.8 38.6
132 19.9 13.3 19.9#





#45
2-Fluorobiphenyl
Concen: 72.928 ng
RT: 13.520 min Scan# 1743
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

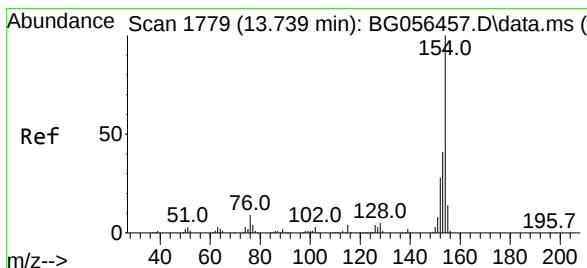
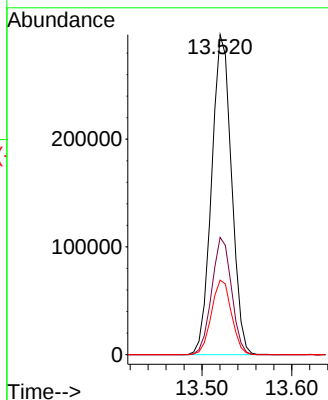
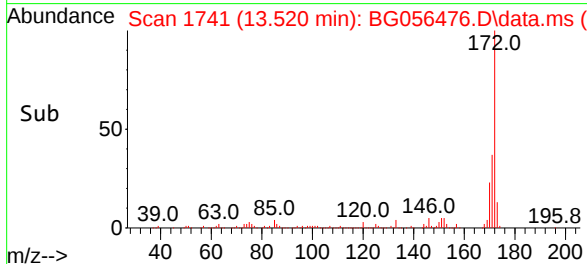
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



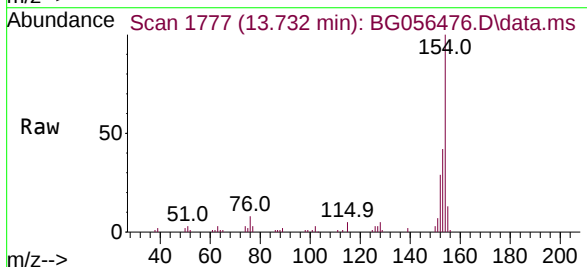
Tgt Ion:172 Resp: 458155
Ion Ratio Lower Upper
172 100
171 36.6 29.5 44.3
170 23.3 19.2 28.8

Manual Integrations
APPROVED

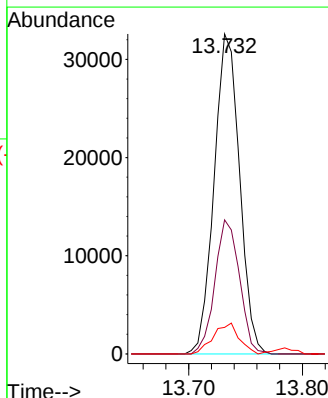
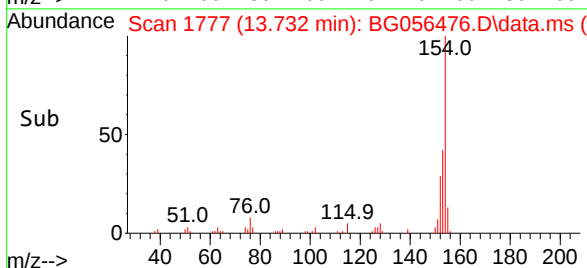
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023

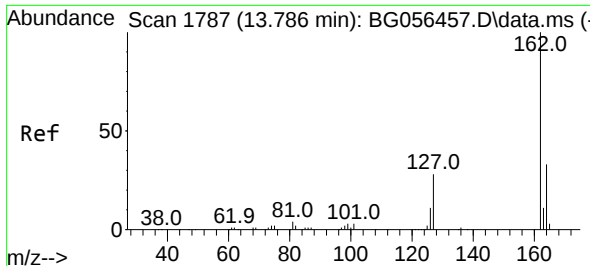


#46
1,1'-Biphenyl
Concen: 8.001 ng
RT: 13.732 min Scan# 1777
Delta R.T. -0.007 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18



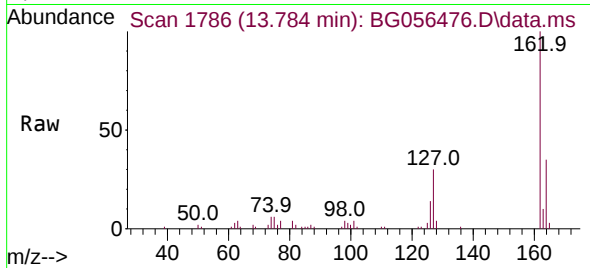
Tgt Ion:154 Resp: 50548
Ion Ratio Lower Upper
154 100
153 41.9 21.5 61.5
76 8.3 0.0 28.8





#47
2-Chloronaphthalene
Concen: 8.055 ng
RT: 13.784 min Scan# 1786
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

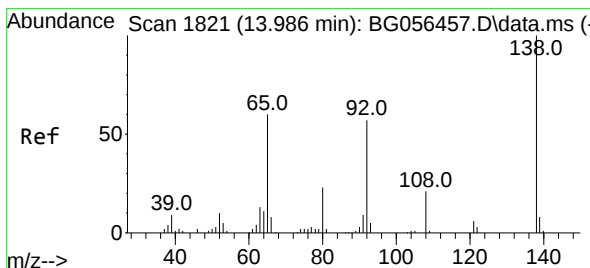
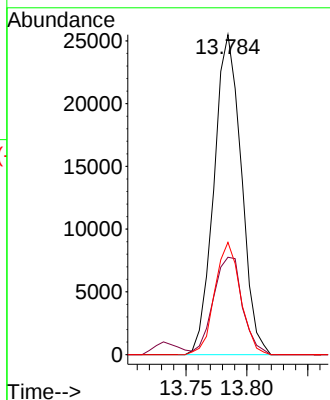
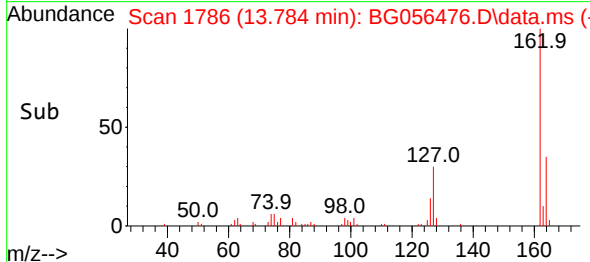
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:162 Resp: 39776
Ion Ratio Lower Upper
162 100
127 30.4 25.2 37.8
164 35.1 26.2 39.2

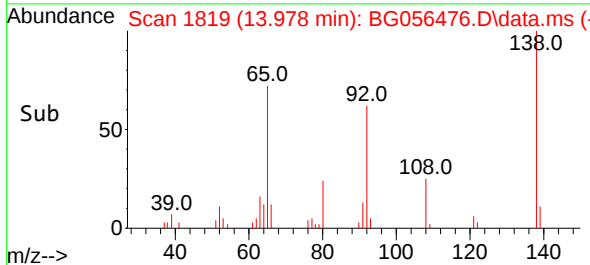
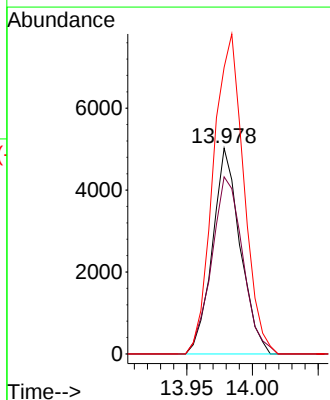
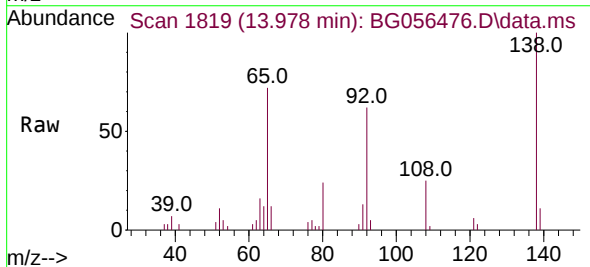
Manual Integrations
APPROVED

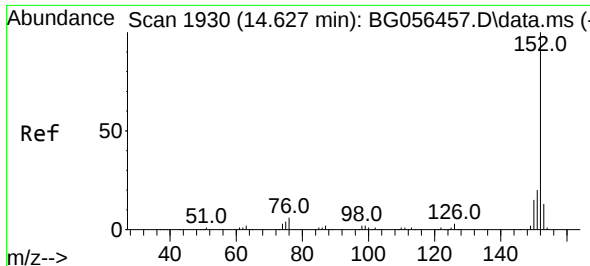
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#48
2-Nitroaniline
Concen: 7.251 ng
RT: 13.978 min Scan# 1819
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

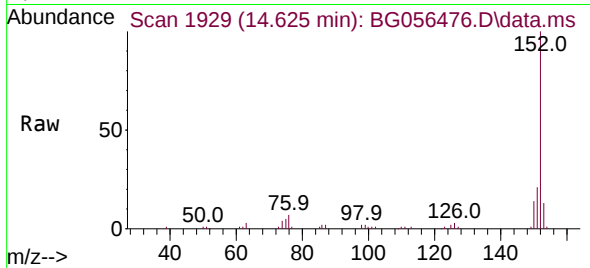
Tgt Ion: 65 Resp: 7402
Ion Ratio Lower Upper
65 100
92 86.1 75.8 113.6
138 139.3 133.2 199.8





#49
Acenaphthylene
Concen: 7.877 ng
RT: 14.625 min Scan# 1930
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

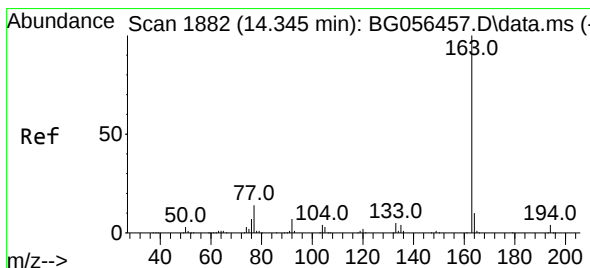
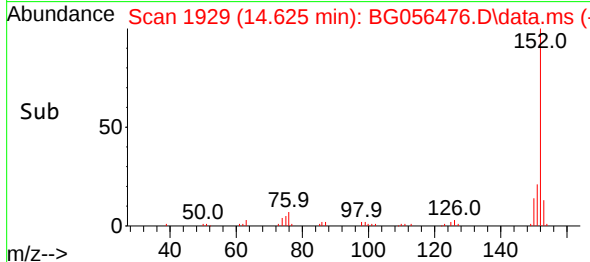
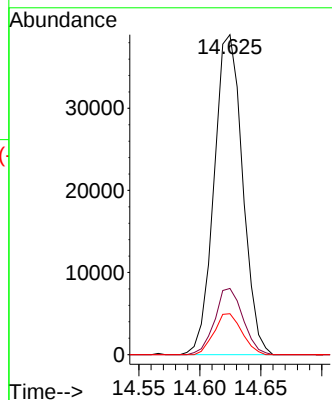
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:152 Resp: 6328
Ion Ratio Lower Upper
152 100
151 20.7 15.9 23.9
153 12.8 10.5 15.7

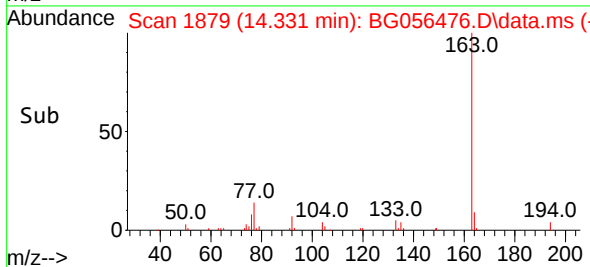
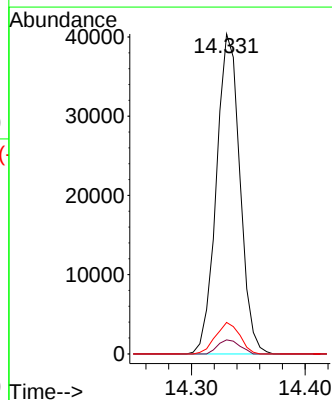
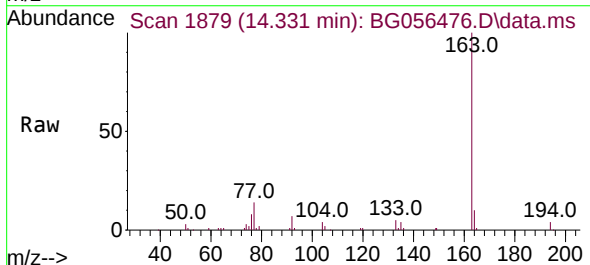
Manual Integrations
APPROVED

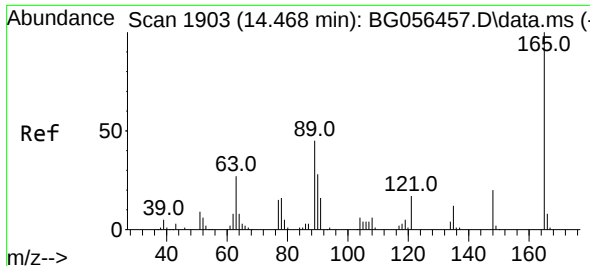
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#50
Dimethylphthalate
Concen: 8.217 ng
RT: 14.331 min Scan# 1879
Delta R.T. -0.014 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Tgt Ion:163 Resp: 57903
Ion Ratio Lower Upper
163 100
194 4.4 3.5 5.3
164 9.8 8.1 12.1





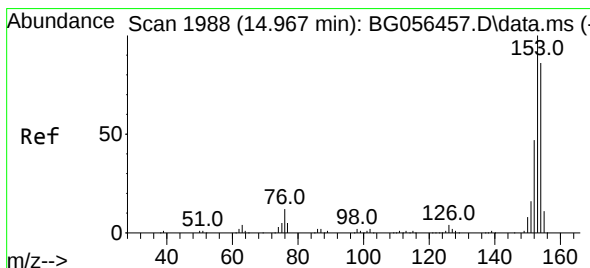
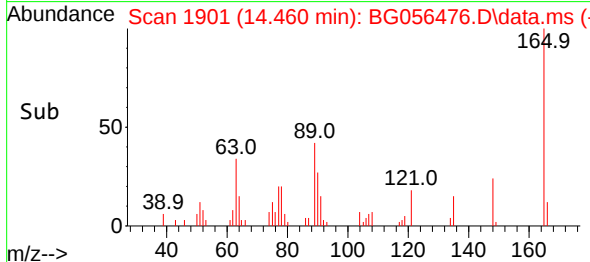
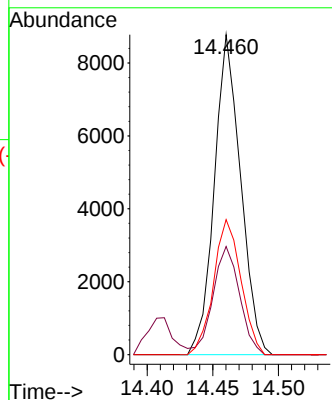
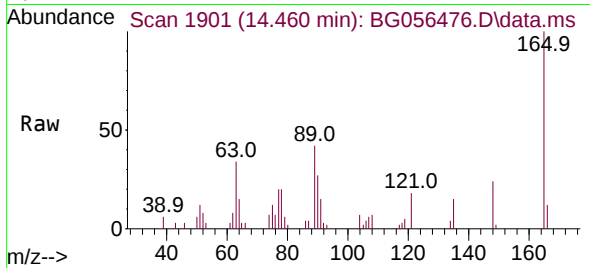
#51
2,6-Dinitrotoluene
Concen: 7.982 ng
RT: 14.460 min Scan# 1903
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:165 Resp: 12260
Ion Ratio Lower Upper
165 100
63 33.8 26.9 40.3
89 42.2 35.6 53.4

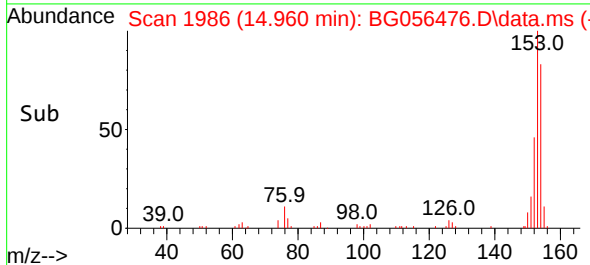
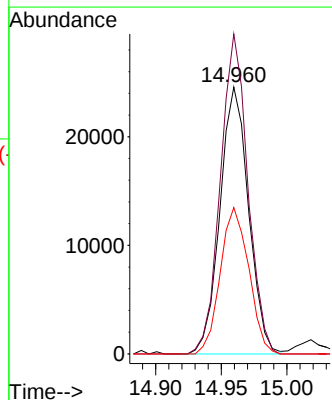
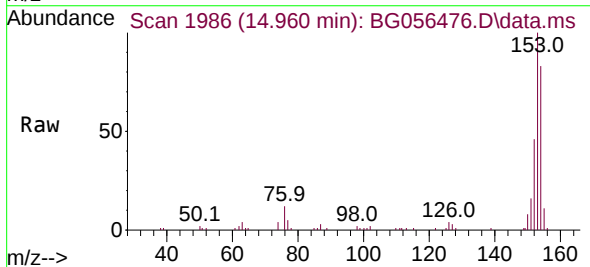
Manual Integrations
APPROVED

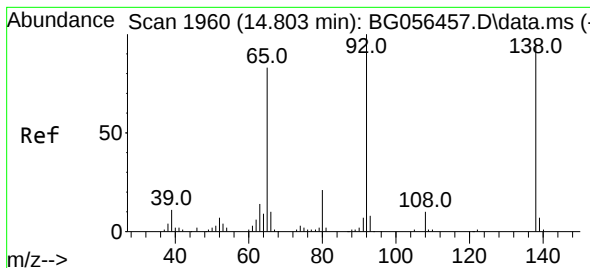
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#52
Acenaphthene
Concen: 7.830 ng
RT: 14.960 min Scan# 1986
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

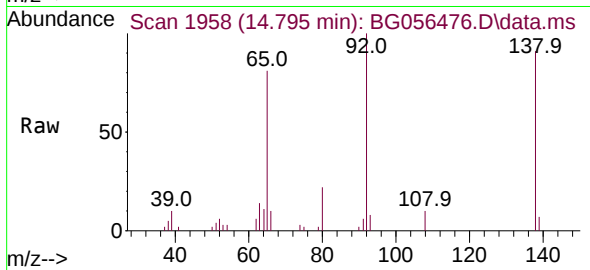
Tgt Ion:154 Resp: 37306
Ion Ratio Lower Upper
154 100
153 120.0 93.4 140.0
152 54.9 43.4 65.2





#53
3-Nitroaniline
Concen: 7.832 ng
RT: 14.795 min Scan# 1958
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

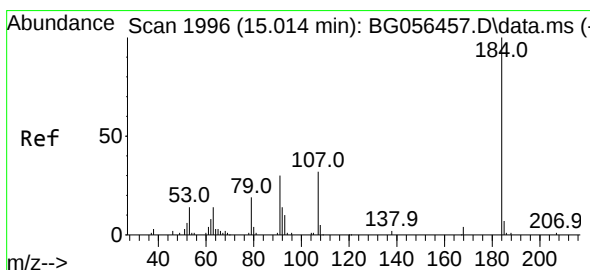
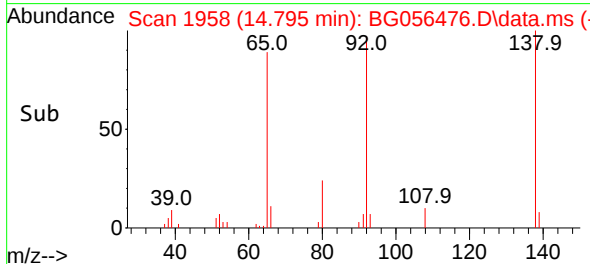
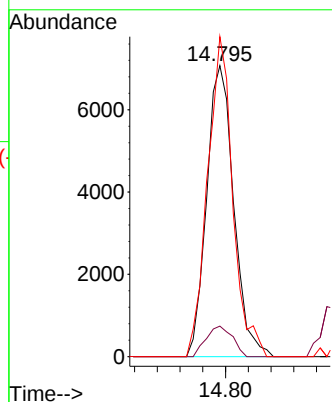
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:138 Resp: 11668
Ion Ratio Lower Upper
138 100
108 10.5 8.0 12.0
92 110.0 84.1 126.1

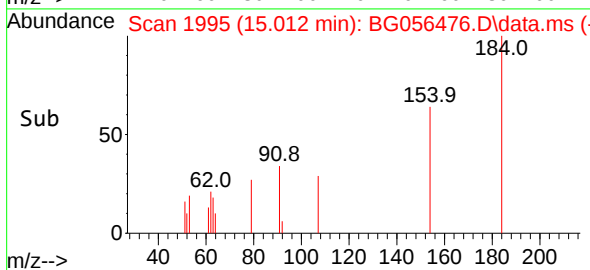
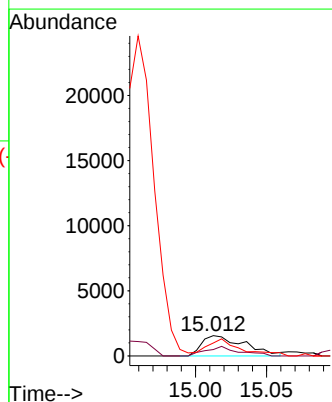
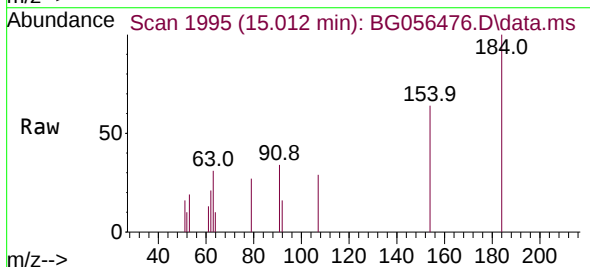
Manual Integrations
APPROVED

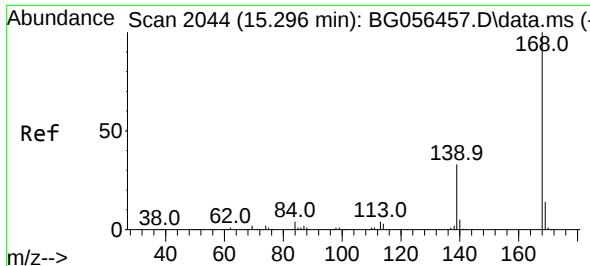
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#54
2,4-Dinitrophenol
Concen: 3.380 ng
RT: 15.012 min Scan# 1995
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

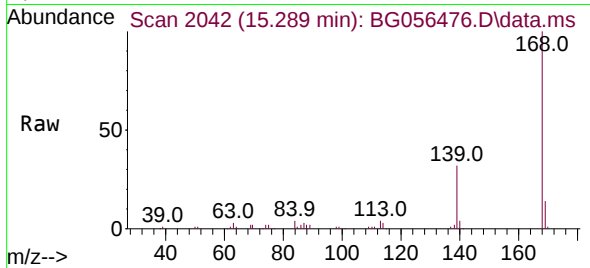
Tgt Ion:184 Resp: 3256
Ion Ratio Lower Upper
184 100
63 31.2 25.1 37.7
154 63.5 44.8 67.2





#55
Dibenzenofuran
Concen: 7.987 ng
RT: 15.289 min Scan# 2042
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

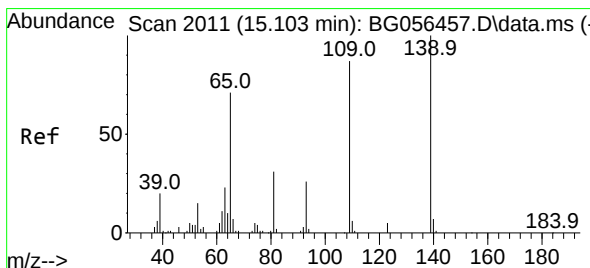
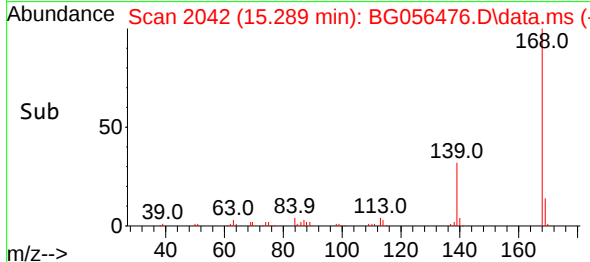
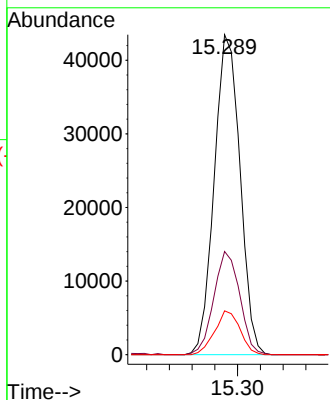
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:168 Resp: 68240
Ion Ratio Lower Upper
168 100
139 32.2 26.2 39.2
169 13.7 11.0 16.6

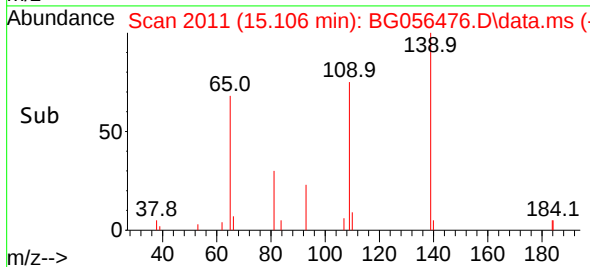
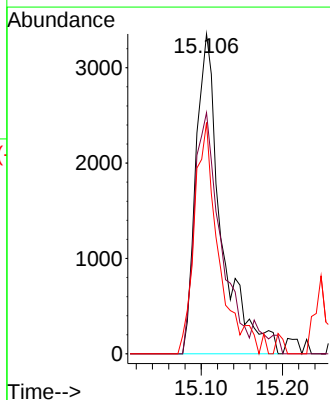
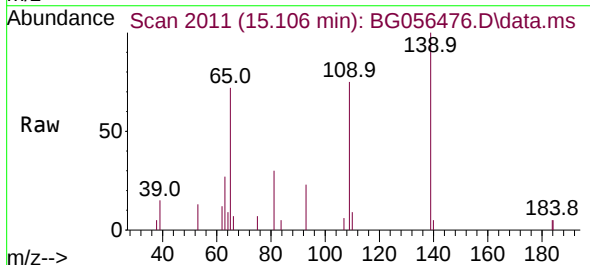
Manual Integrations
APPROVED

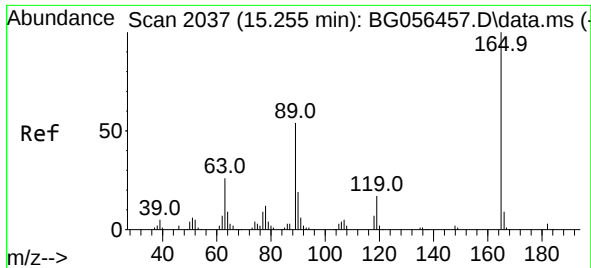
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#56
4-Nitrophenol
Concen: 7.187 ng
RT: 15.106 min Scan# 2011
Delta R.T. 0.004 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

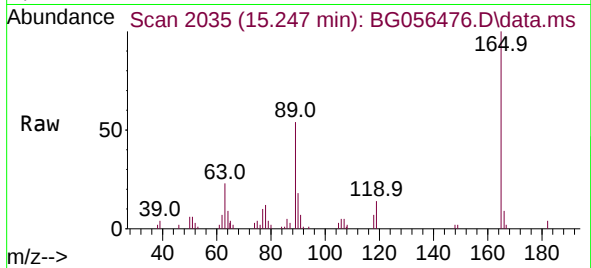
Tgt Ion:139 Resp: 7316
Ion Ratio Lower Upper
139 100
109 75.4 67.5 107.5
65 72.3 50.7 90.7





#57
2,4-Dinitrotoluene
Concen: 8.384 ng
RT: 15.247 min Scan# 2035
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

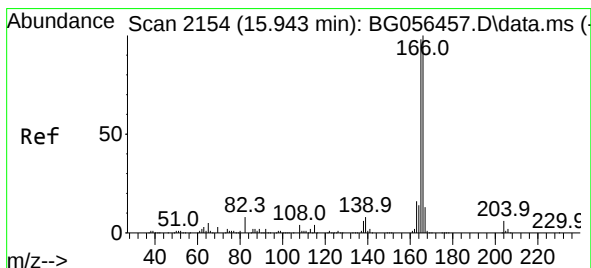
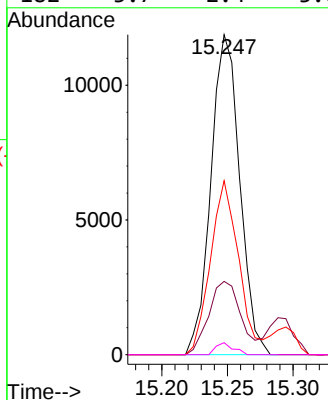
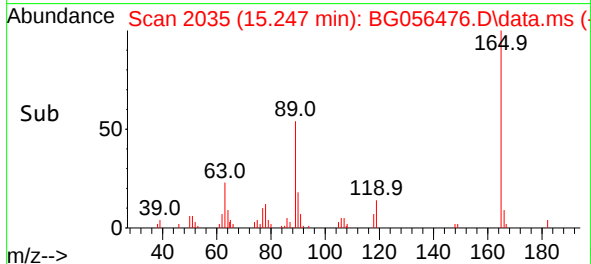


Tgt Ion:165 Resp: 1814
Ion Ratio Lower Upper
165 100
63 22.9 20.6 31.0
89 54.3 43.1 64.7
182 3.7 2.4 3.6

Manual Integrations
APPROVED

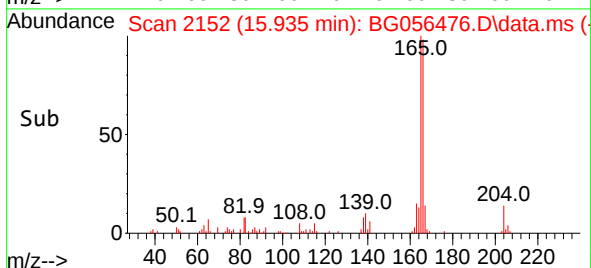
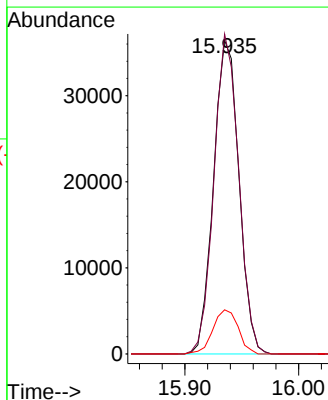
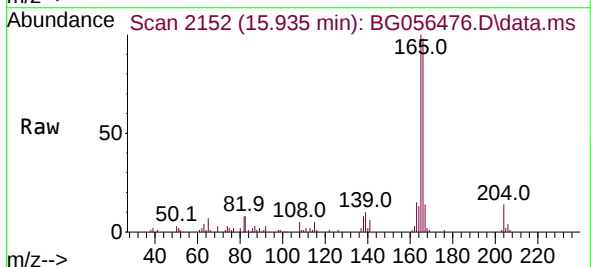
Reviewed By :Christian
Giraldo
01/31/2023

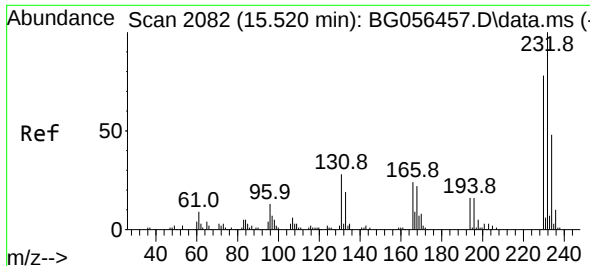
Supervised By :Jagrut
Upadhyay
01/31/2023



#58
Fluorene
Concen: 8.307 ng
RT: 15.935 min Scan# 2152
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Tgt Ion:166 Resp: 56478
Ion Ratio Lower Upper
166 100
165 102.0 78.8 118.2
167 14.1 10.6 15.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.300 ng

RT: 15.518 min Scan# 2082

Delta R.T. -0.002 min

Lab File: BG056476.D

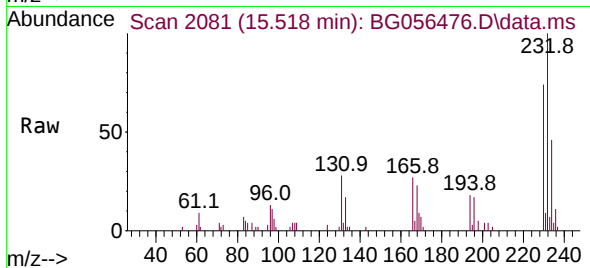
Acq: 30 Jan 2023 19:18

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:232 Resp: 15583

Ion Ratio Lower Upper

232 100

131 26.9 22.8 34.2

130 0.8 1.4 2.0

166 22.5 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Christian

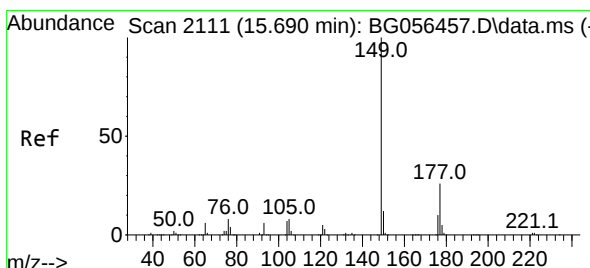
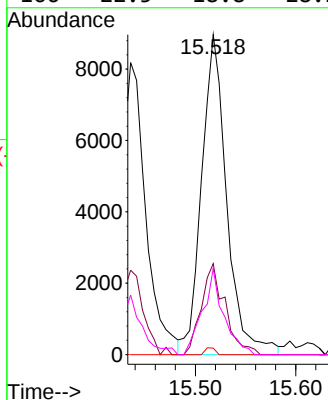
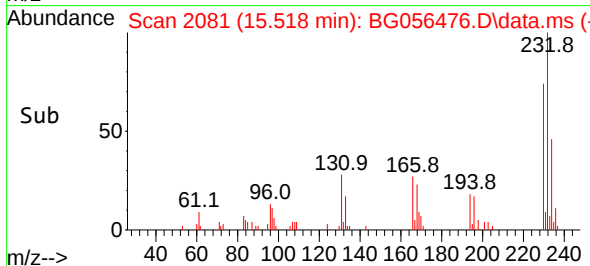
Giraldo

01/31/2023

Supervised By :Jagrut

Upadhyay

01/31/2023



#60

Diethylphthalate

Concen: 8.438 ng

RT: 15.682 min Scan# 2109

Delta R.T. -0.008 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

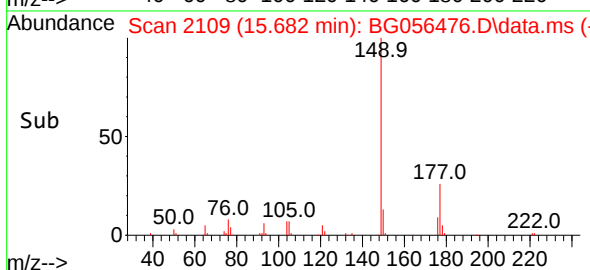
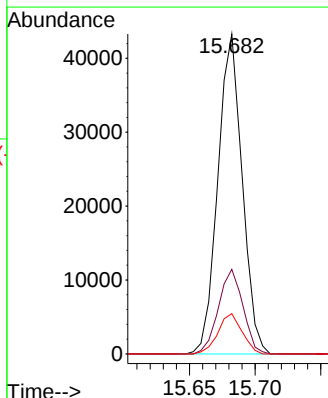
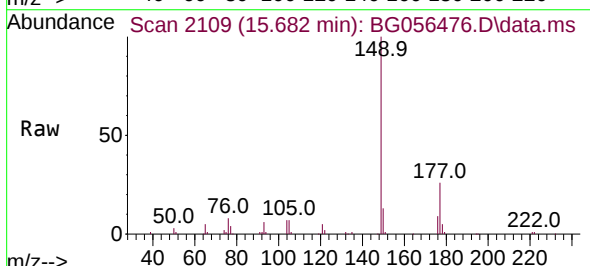
Tgt Ion:149 Resp: 55834

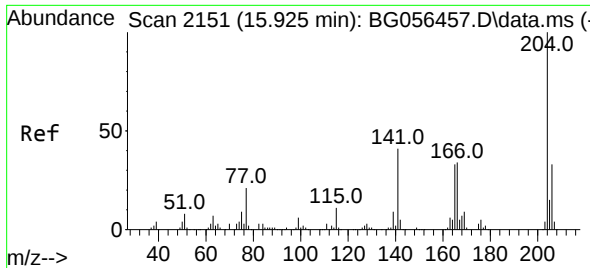
Ion Ratio Lower Upper

149 100

177 26.4 21.0 31.4

150 12.6 9.9 14.9





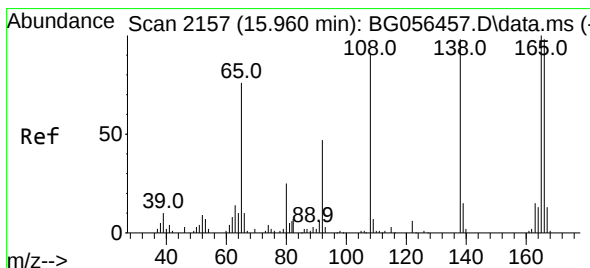
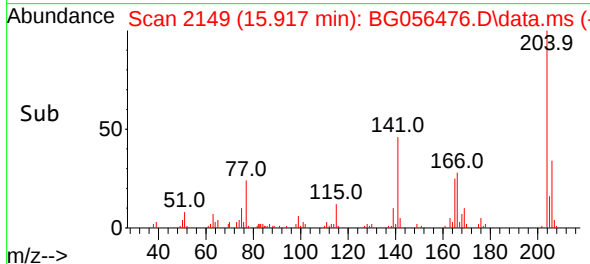
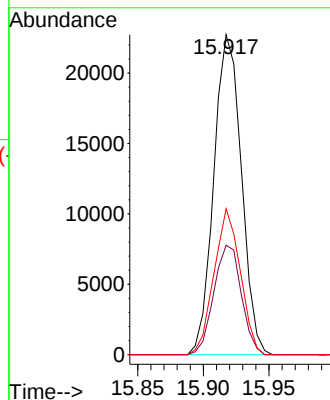
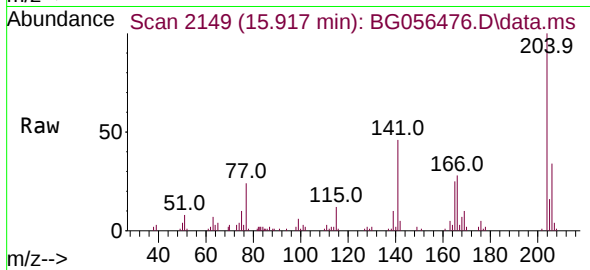
#61
4-Chlorophenyl-phenylether
Concen: 8.007 ng
RT: 15.917 min Scan# 2149
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:204 Resp: 3321
Ion Ratio Lower Upper
204 100
206 34.2 26.2 39.4
141 45.6 32.7 49.1

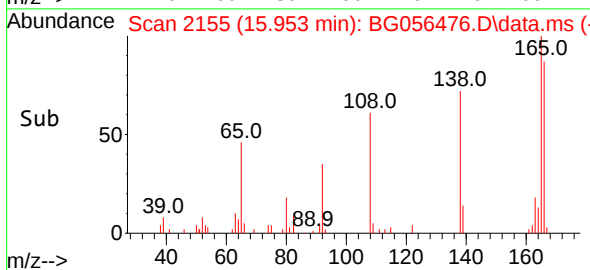
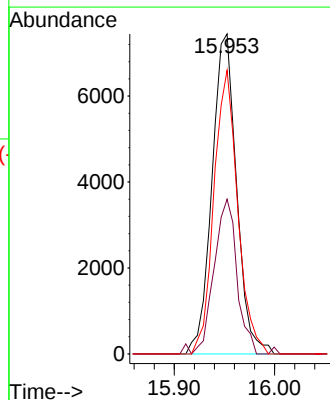
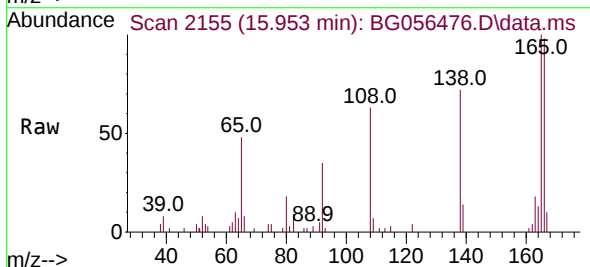
Manual Integrations
APPROVED

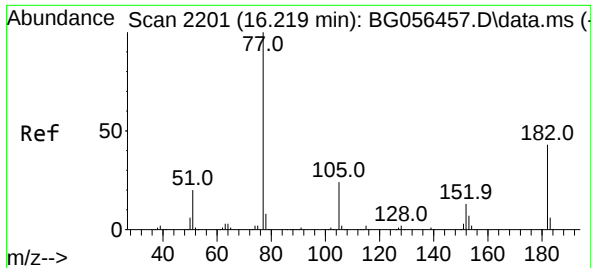
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#62
4-Nitroaniline
Concen: 8.525 ng
RT: 15.953 min Scan# 2155
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

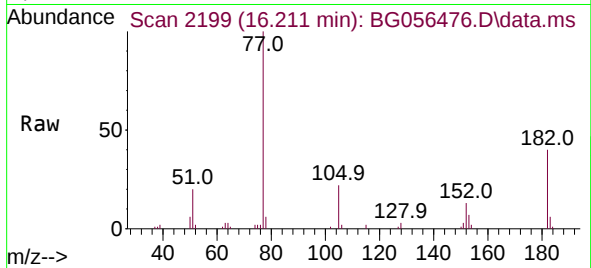
Tgt Ion:138 Resp: 12708
Ion Ratio Lower Upper
138 100
92 48.3 27.8 67.8
108 88.6 72.6 112.6





#63
Azobenzene
Concen: 8.259 ng
RT: 16.211 min Scan# 2199
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

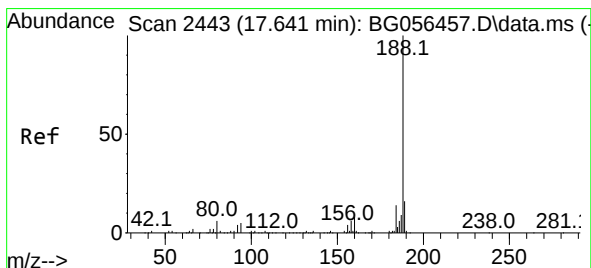
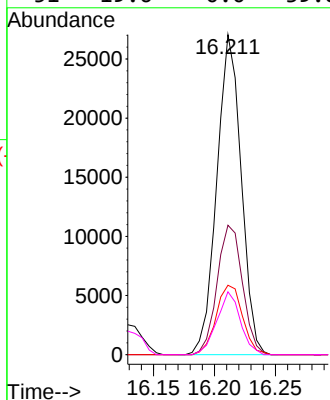
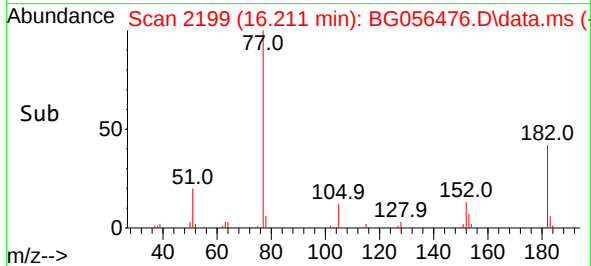
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



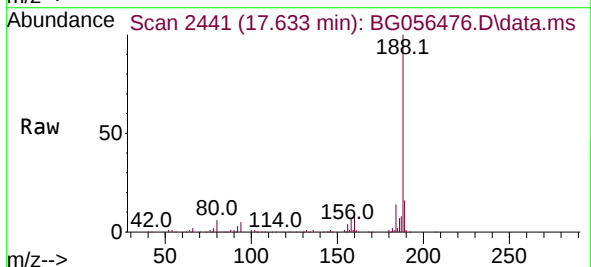
Tgt Ion: 77 Resp: 37602
Ion Ratio Lower Upper
77 100
182 40.4 23.1 63.1
105 21.7 4.2 44.2
51 19.6 0.0 39.8

Manual Integrations
APPROVED

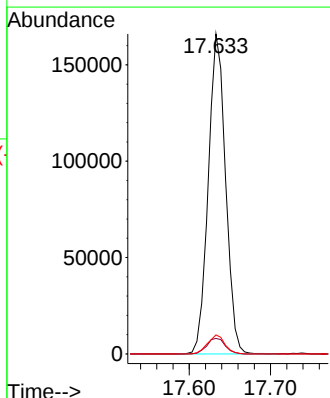
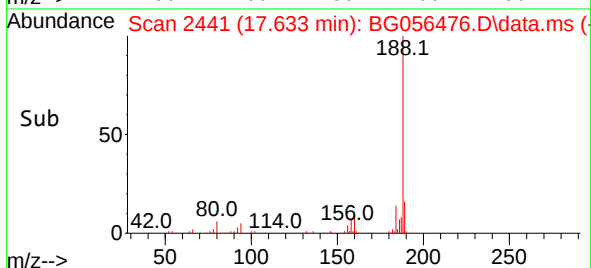
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023

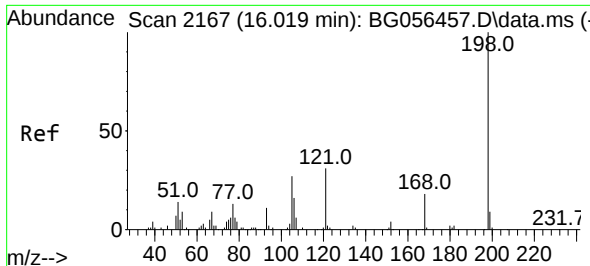


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.633 min Scan# 2441
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18



Tgt Ion:188 Resp: 246143
Ion Ratio Lower Upper
188 100
94 4.8 4.1 6.1
80 5.9 5.0 7.4





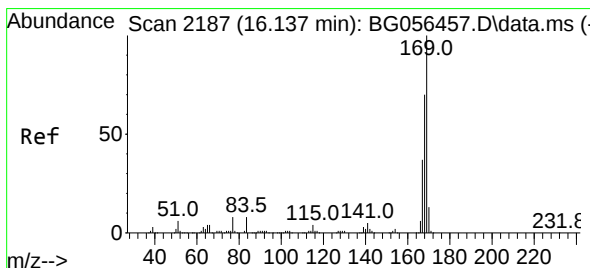
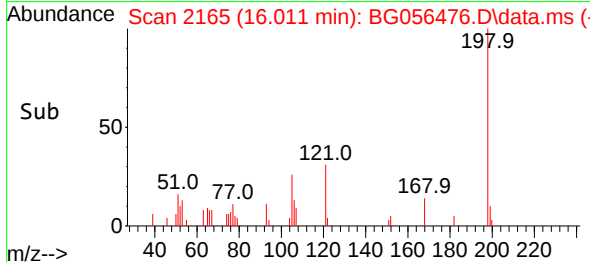
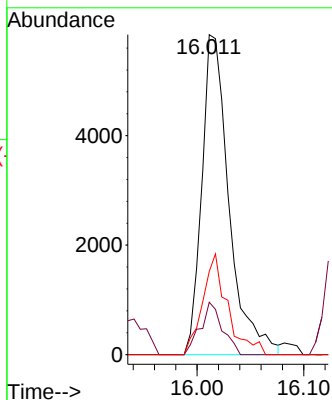
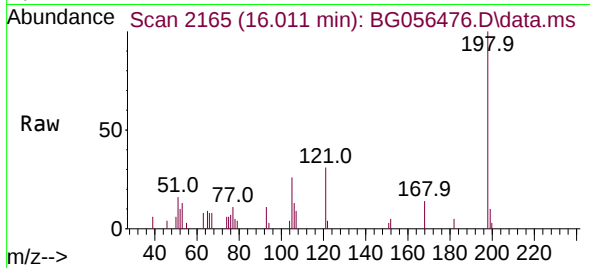
#65
4,6-Dinitro-2-methylphenol
Concen: 5.991 ng
RT: 16.011 min Scan# 2165
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:198 Resp: 10361
Ion Ratio Lower Upper
198 100
51 16.4 0.0 35.0
105 26.0 7.4 47.4

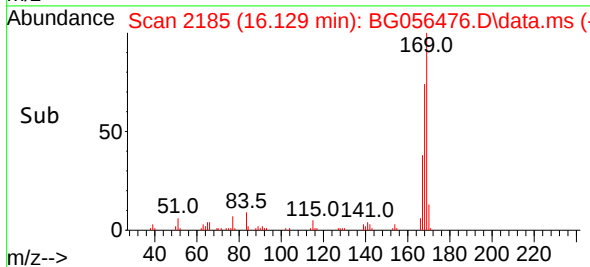
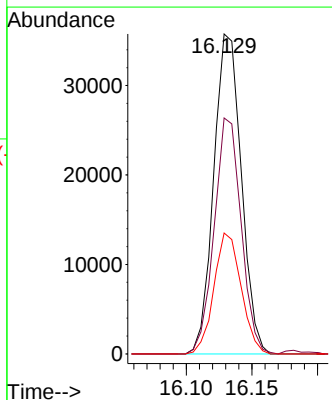
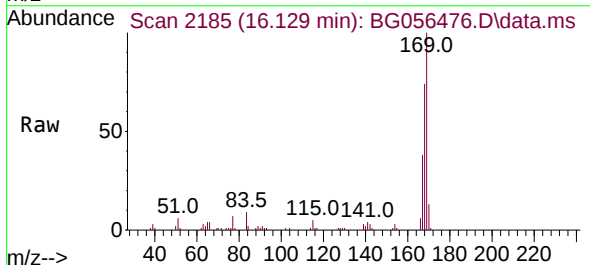
Manual Integrations
APPROVED

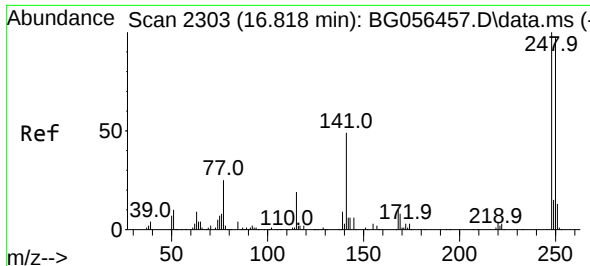
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#66
n-Nitrosodiphenylamine
Concen: 7.513 ng
RT: 16.129 min Scan# 2185
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

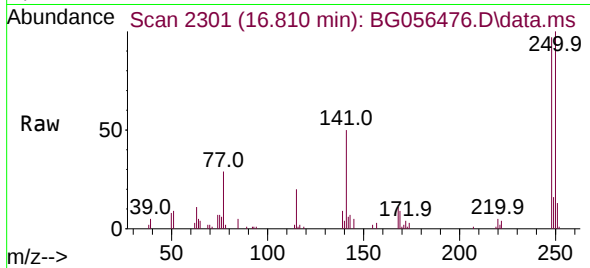
Tgt Ion:169 Resp: 52361
Ion Ratio Lower Upper
169 100
168 73.7 55.8 83.6
167 37.8 29.8 44.8





#67
4-Bromophenyl-phenylether
Concen: 7.287 ng
RT: 16.810 min Scan# 2303
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

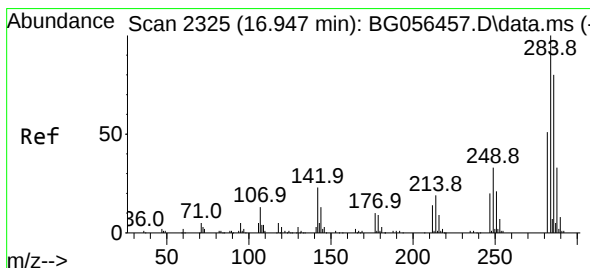
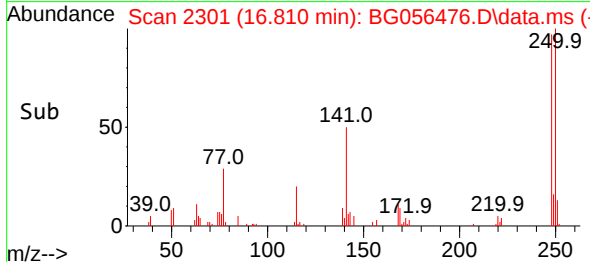
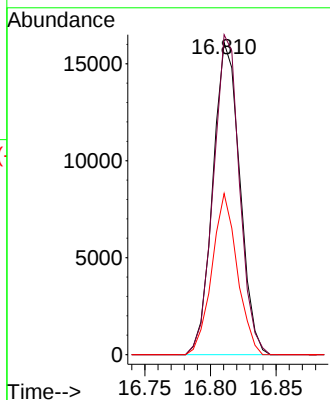
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:248 Resp: 22963
Ion Ratio Lower Upper
248 100
250 102.6 77.6 116.4
141 51.6 39.0 58.4

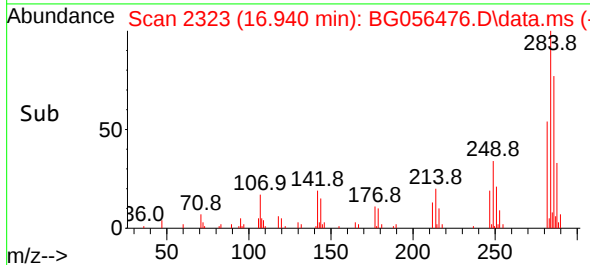
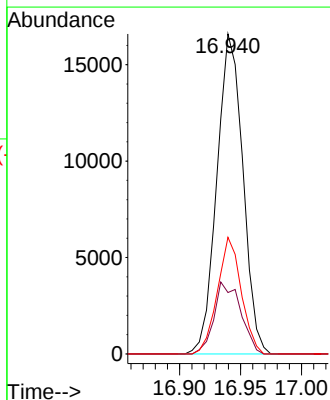
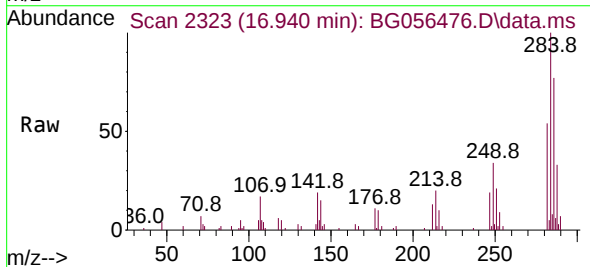
Manual Integrations
APPROVED

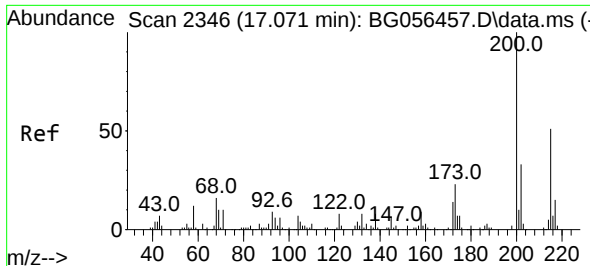
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#68
Hexachlorobenzene
Concen: 7.971 ng
RT: 16.940 min Scan# 2323
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

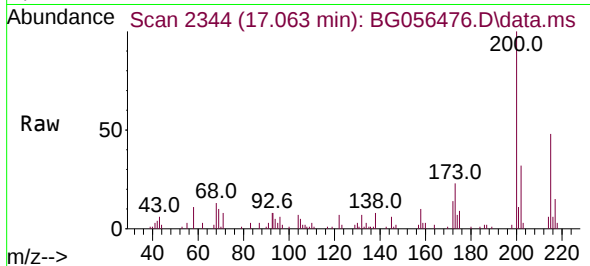
Tgt Ion:284 Resp: 24600
Ion Ratio Lower Upper
284 100
142 19.2 18.0 27.0
249 36.4 26.7 40.1





#69
 Atrazine
 Concen: 9.263 ng
 RT: 17.063 min Scan# 2344
 Delta R.T. -0.008 min
 Lab File: BG056476.D
 Acq: 30 Jan 2023 19:18

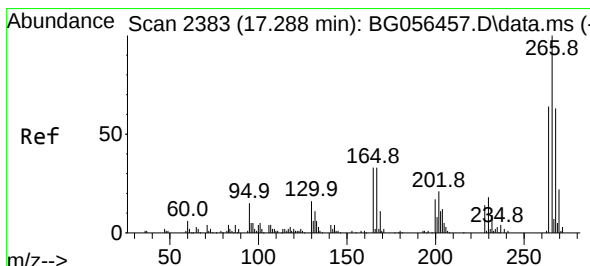
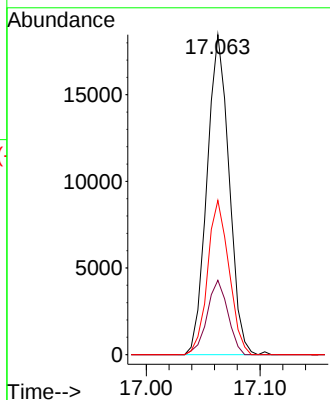
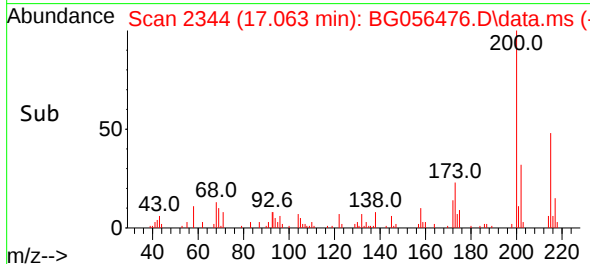
Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



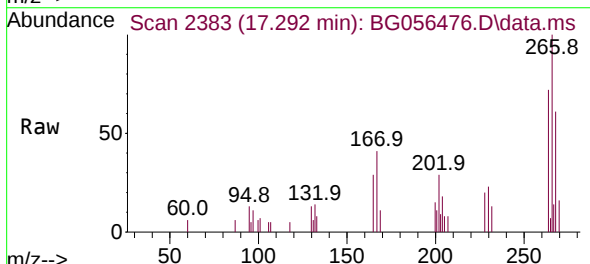
Tgt Ion:200 Resp: 24904
 Ion Ratio Lower Upper
 200 100
 173 23.2 3.2 43.2
 215 48.2 30.7 70.7

Manual Integrations
 APPROVED

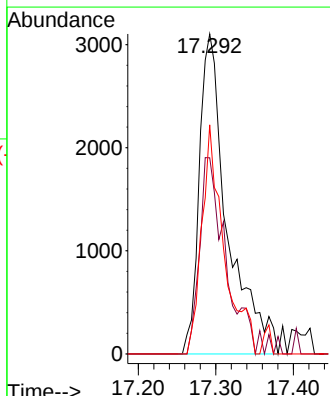
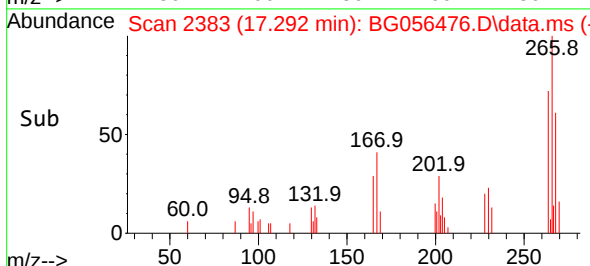
Reviewed By :Christian
 Giraldo
 01/31/2023
 Supervised By :Jagrut
 Upadhyay
 01/31/2023

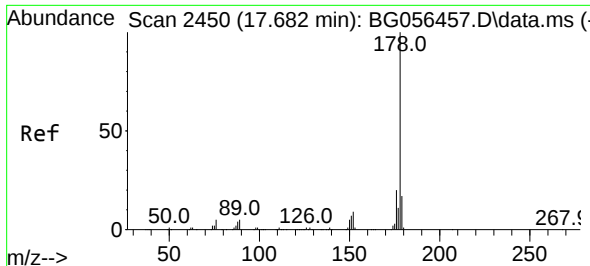


#70
 Pentachlorophenol
 Concen: 4.189 ng
 RT: 17.292 min Scan# 2383
 Delta R.T. 0.004 min
 Lab File: BG056476.D
 Acq: 30 Jan 2023 19:18



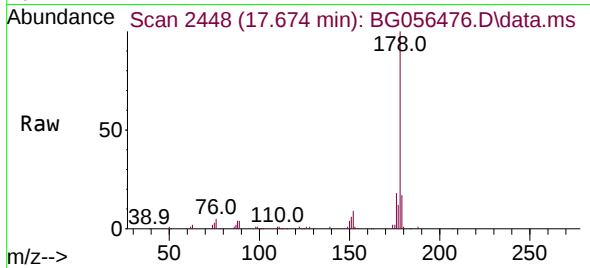
Tgt Ion:266 Resp: 7823
 Ion Ratio Lower Upper
 266 100
 268 61.3 50.2 75.4
 264 71.6 51.4 77.0





#71
Phenanthrene
Concen: 7.954 ng
RT: 17.674 min Scan# 2448
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

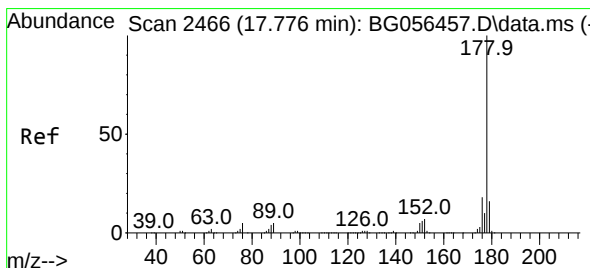
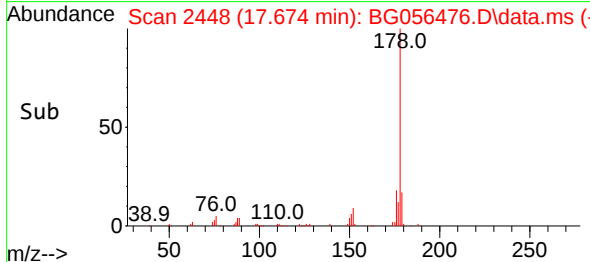
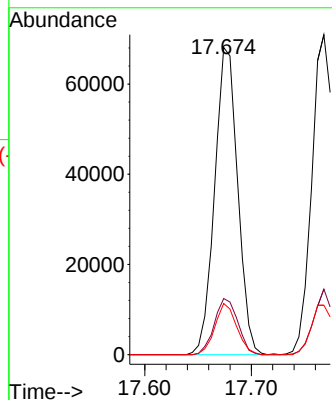
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:178 Resp: 102466
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 16.6 13.3 19.9

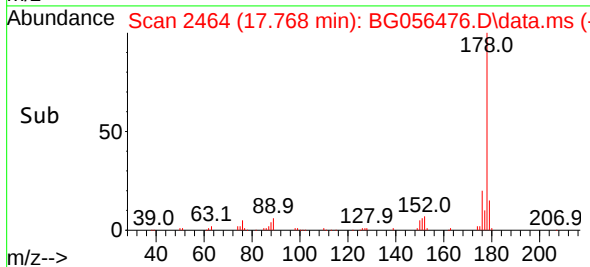
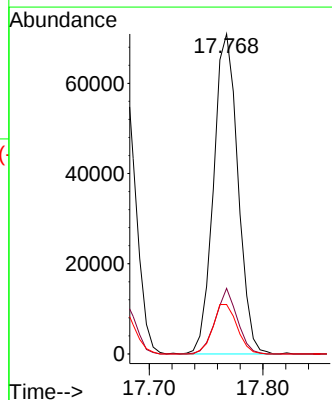
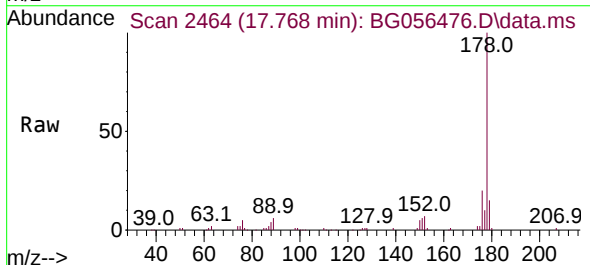
Manual Integrations
APPROVED

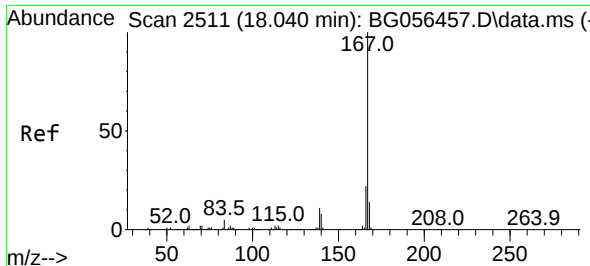
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#72
Anthracene
Concen: 7.981 ng
RT: 17.768 min Scan# 2464
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

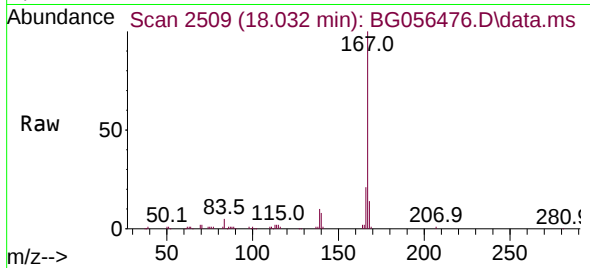
Tgt Ion:178 Resp: 105538
Ion Ratio Lower Upper
178 100
176 20.5 14.5 21.7
179 15.4 12.5 18.7





#73
 Carbazole
 Concen: 8.267 ng
 RT: 18.032 min Scan# 2509
 Delta R.T. -0.008 min
 Lab File: BG056476.D
 Acq: 30 Jan 2023 19:18

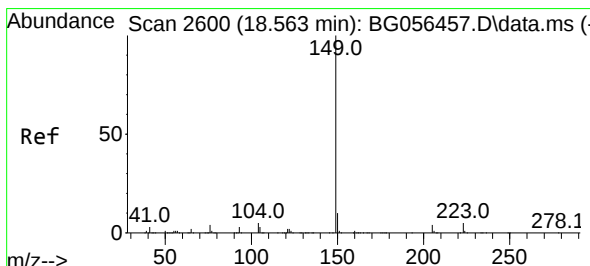
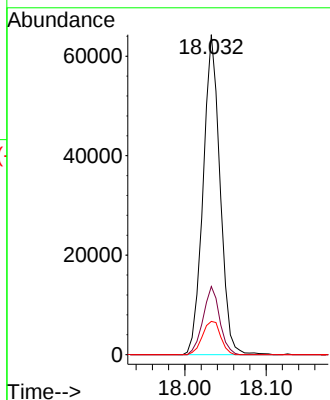
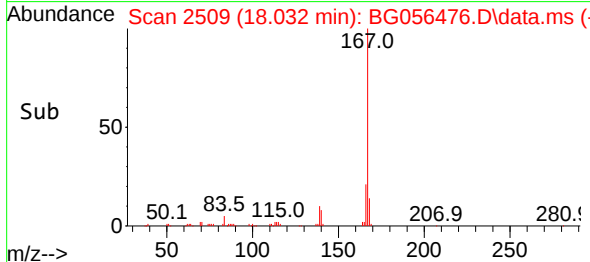
Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



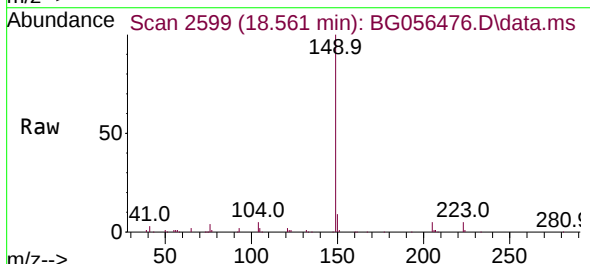
Tgt Ion:167 Resp: 93114
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.8 26.6
 139 10.4 8.9 13.3

Manual Integrations
 APPROVED

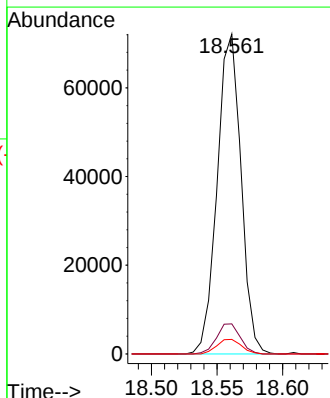
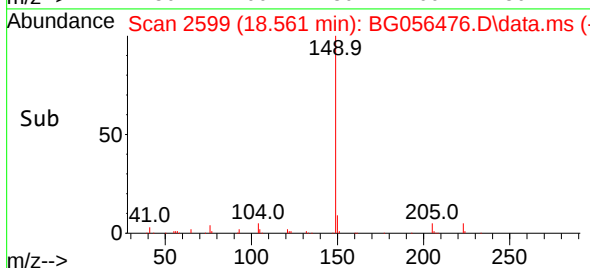
Reviewed By :Christian
 Giraldo
 01/31/2023
 Supervised By :Jagrut
 Upadhyay
 01/31/2023

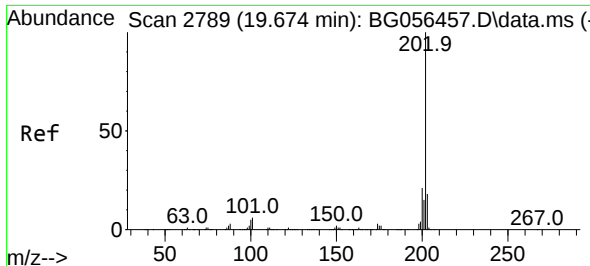


#74
 Di-n-butylphthalate
 Concen: 7.710 ng
 RT: 18.561 min Scan# 2599
 Delta R.T. -0.002 min
 Lab File: BG056476.D
 Acq: 30 Jan 2023 19:18



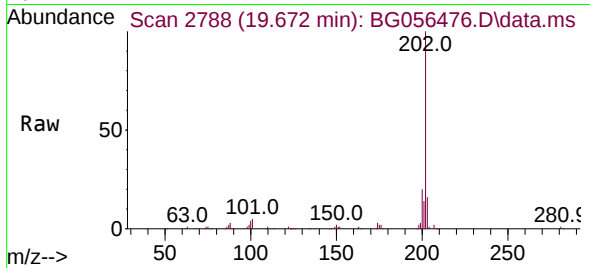
Tgt Ion:149 Resp: 91175
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.8 11.6
 104 4.5 4.0 6.0





#75
Fluoranthene
Concen: 8.417 ng
RT: 19.672 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

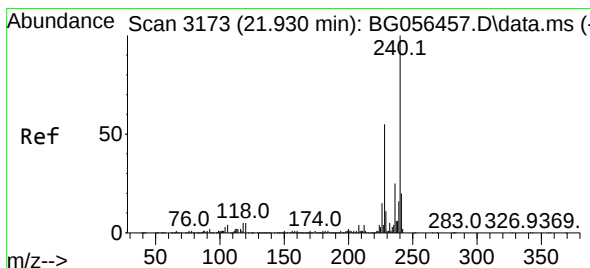
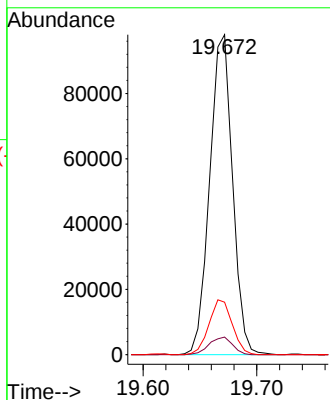
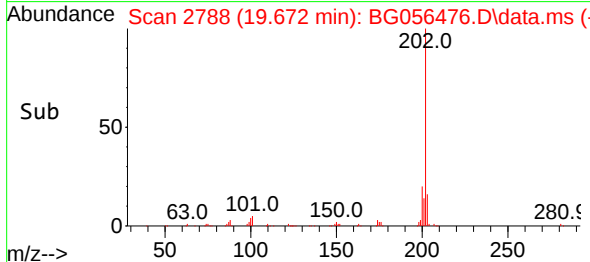
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



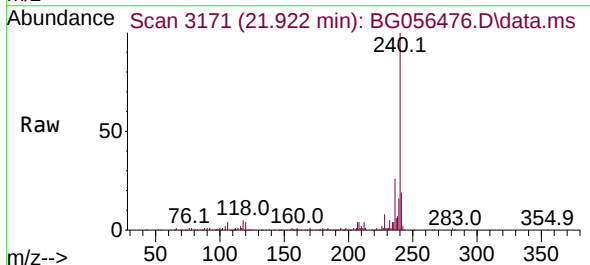
Tgt Ion:202 Resp: 136850
Ion Ratio Lower Upper
202 100
101 5.5 0.0 25.6
203 16.4 0.0 38.1

Manual Integrations
APPROVED

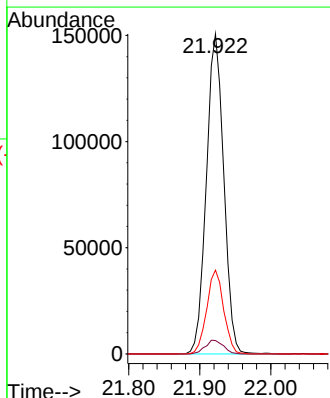
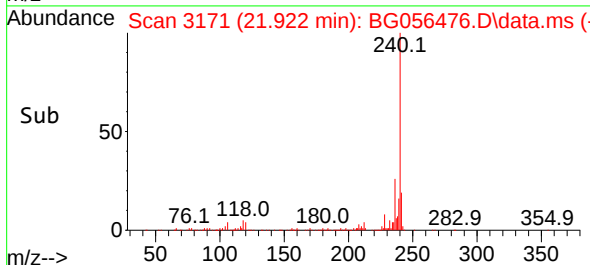
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023

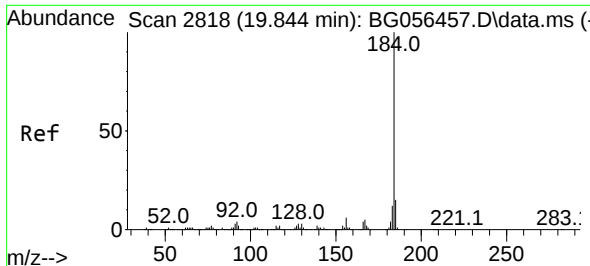


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.922 min Scan# 3171
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18



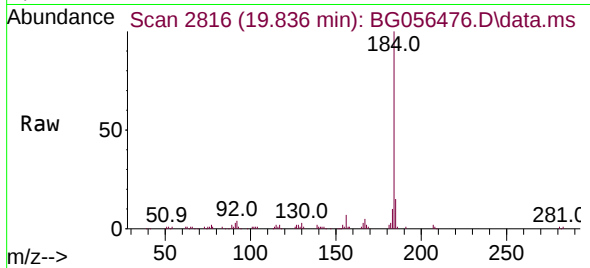
Tgt Ion:240 Resp: 255841
Ion Ratio Lower Upper
240 100
120 4.2 3.8 5.8
236 26.2 20.2 30.2





#77
Benzidine
Concen: 11.053 ng
RT: 19.836 min Scan# 2816
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

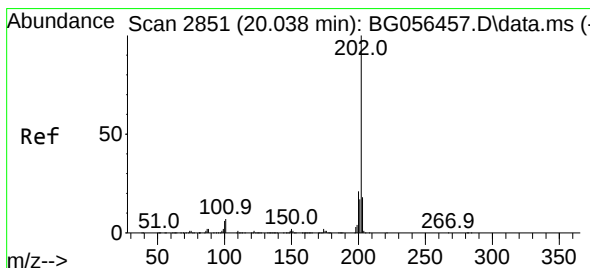
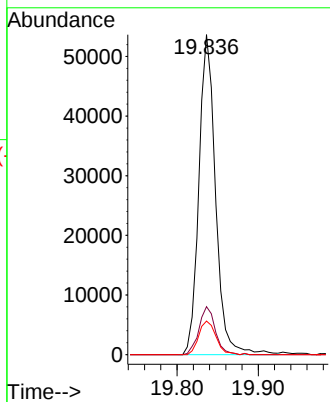
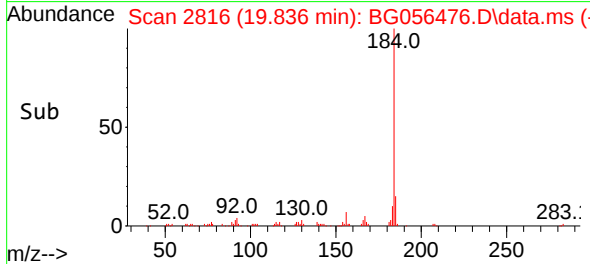
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:184 Resp: 76522
Ion Ratio Lower Upper
184 100
185 15.0 12.3 18.5
183 10.5 9.8 14.8

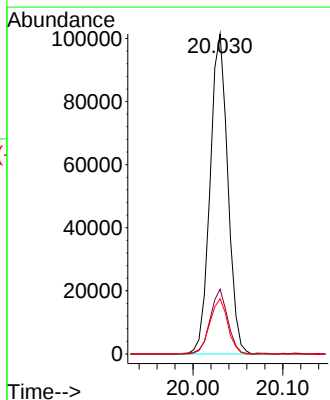
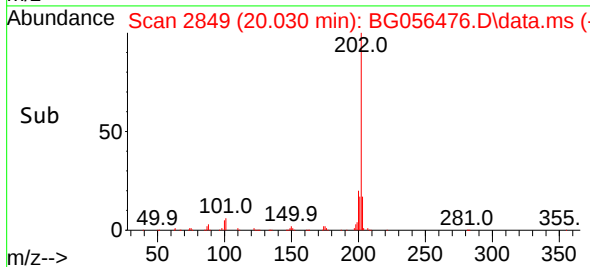
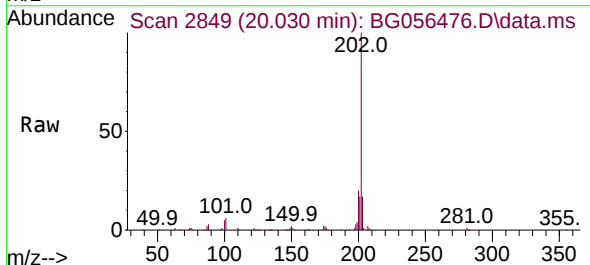
Manual Integrations
APPROVED

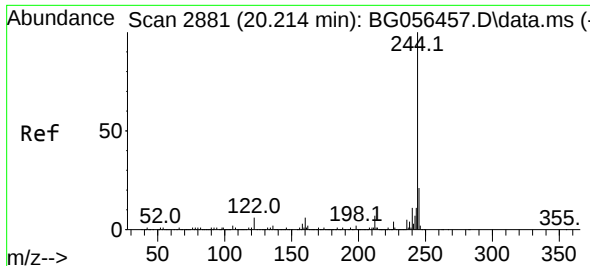
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#78
Pyrene
Concen: 7.643 ng
RT: 20.030 min Scan# 2849
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

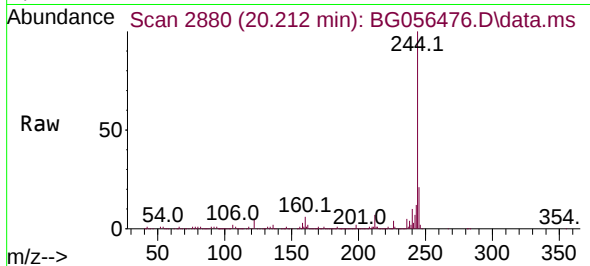
Tgt Ion:202 Resp: 139063
Ion Ratio Lower Upper
202 100
200 20.2 16.7 25.1
203 17.2 14.4 21.6





#79
 Terphenyl-d14
 Concen: 69.770 ng
 RT: 20.212 min Scan# 2881
 Delta R.T. -0.002 min
 Lab File: BG056476.D
 Acq: 30 Jan 2023 19:18

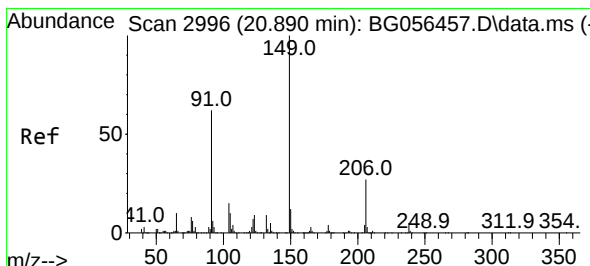
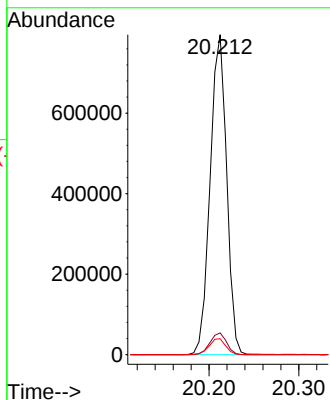
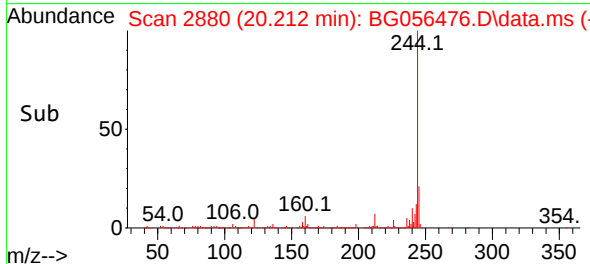
Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:244 Resp: 1016304
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 5.0 4.4 6.6

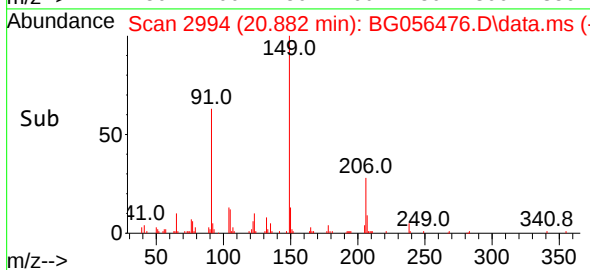
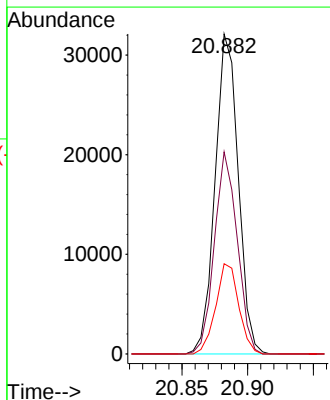
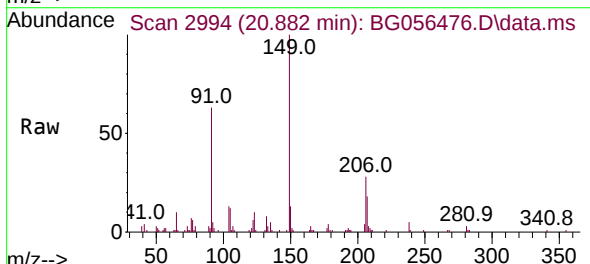
Manual Integrations
 APPROVED

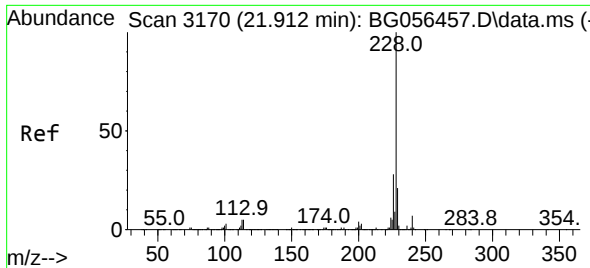
Reviewed By :Christian
 Giraldo
 01/31/2023
 Supervised By :Jagrut
 Upadhyay
 01/31/2023



#80
 Butylbenzylphthalate
 Concen: 7.098 ng
 RT: 20.882 min Scan# 2994
 Delta R.T. -0.008 min
 Lab File: BG056476.D
 Acq: 30 Jan 2023 19:18

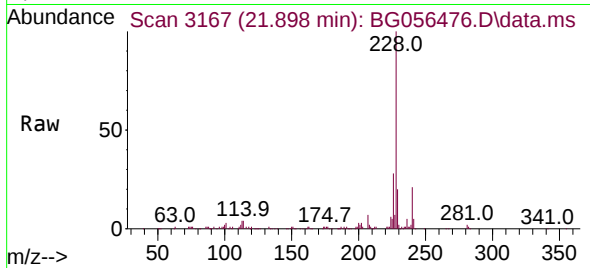
Tgt Ion:149 Resp: 39444
 Ion Ratio Lower Upper
 149 100
 91 63.1 49.4 74.0
 206 28.2 22.0 33.0





#81
Benzo(a)anthracene
Concen: 7.781 ng
RT: 21.898 min Scan# 3167
Delta R.T. -0.014 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

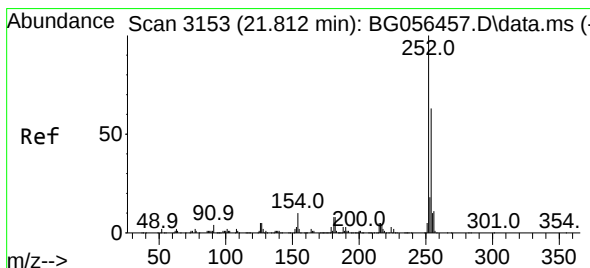
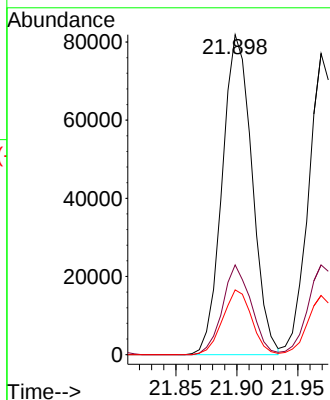
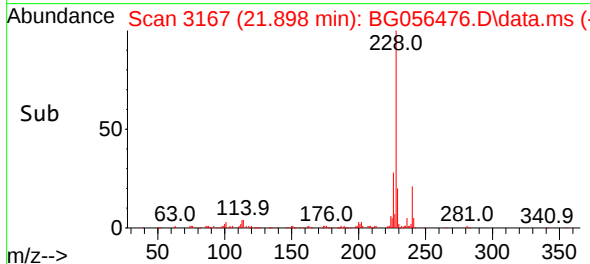
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:228 Resp: 139179
Ion Ratio Lower Upper
228 100
226 28.0 22.4 33.6
229 20.2 16.5 24.7

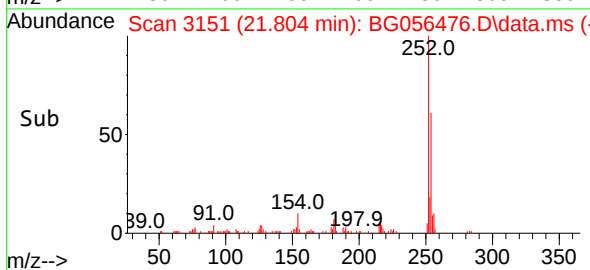
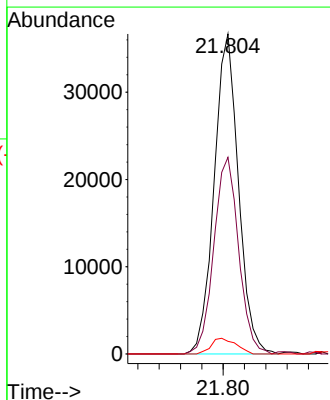
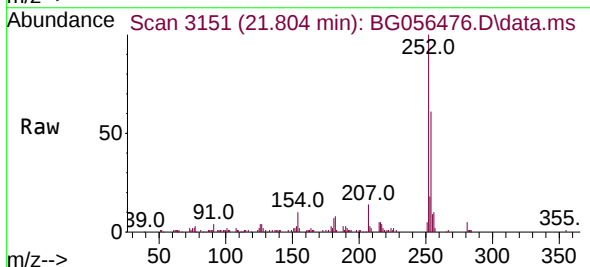
Manual Integrations
APPROVED

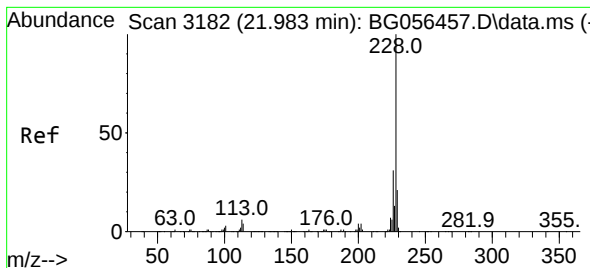
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#82
3,3'-Dichlorobenzidine
Concen: 9.011 ng
RT: 21.804 min Scan# 3151
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Tgt Ion:252 Resp: 58038
Ion Ratio Lower Upper
252 100
254 61.4 50.0 75.0
126 3.9 4.3 6.5





#83

Chrysene

Concen: 7.708 ng

RT: 21.969 min Scan# 3182

Delta R.T. -0.014 min

Lab File: BG056476.D

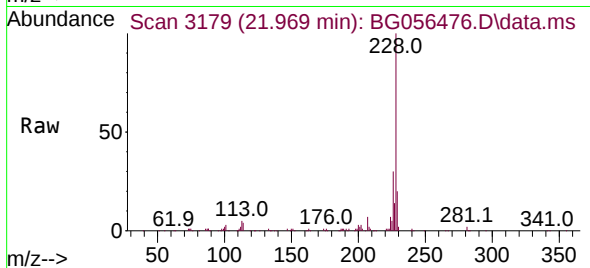
Acq: 30 Jan 2023 19:18

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:228 Resp: 129528

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.4

229 19.7 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Christian

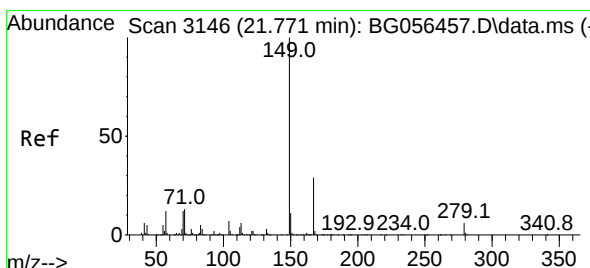
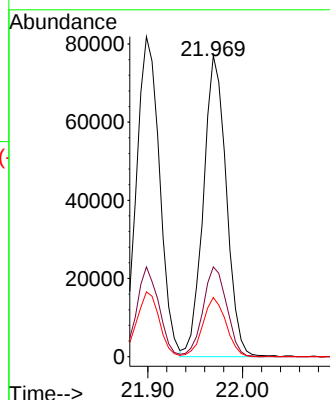
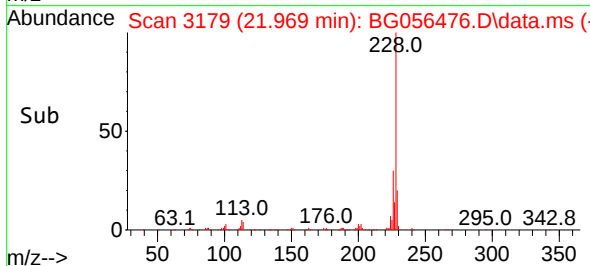
Giraldo

01/31/2023

Supervised By :Jagrut

Upadhyay

01/31/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.267 ng

RT: 21.763 min Scan# 3144

Delta R.T. -0.008 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

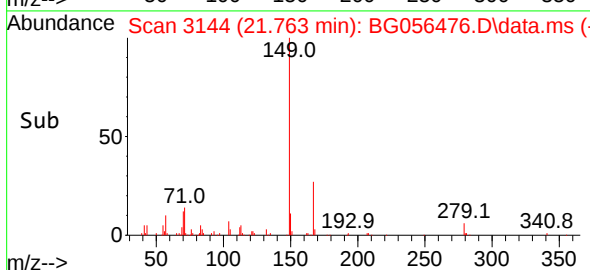
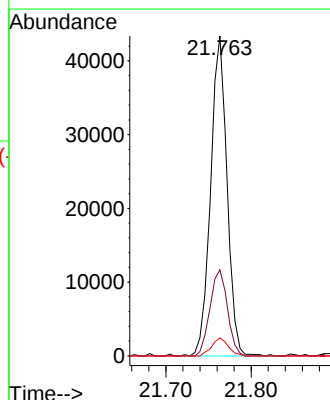
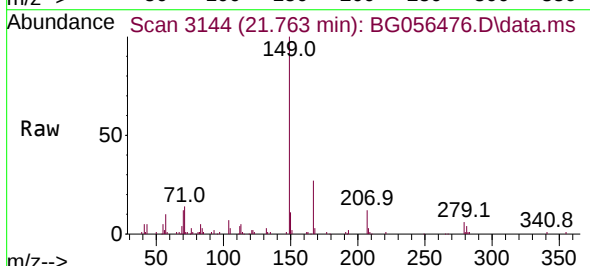
Tgt Ion:149 Resp: 57896

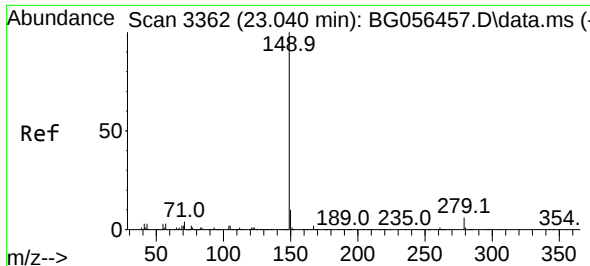
Ion Ratio Lower Upper

149 100

167 26.9 23.4 35.2

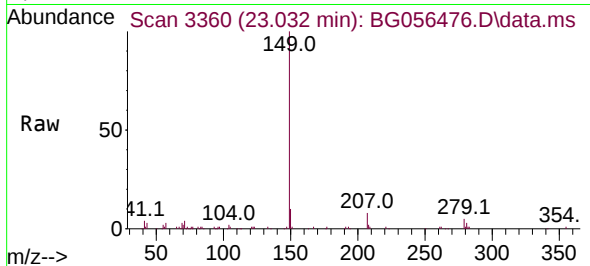
279 5.7 4.4 6.6





#85
Di-n-octyl phthalate
Concen: 7.338 ng
RT: 23.032 min Scan# 3362
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

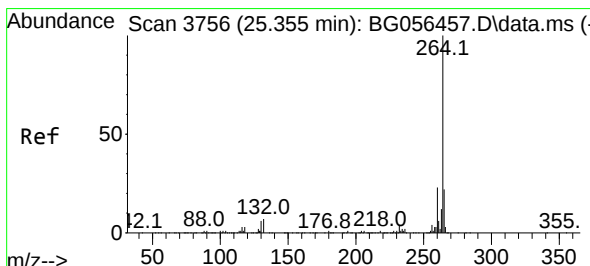
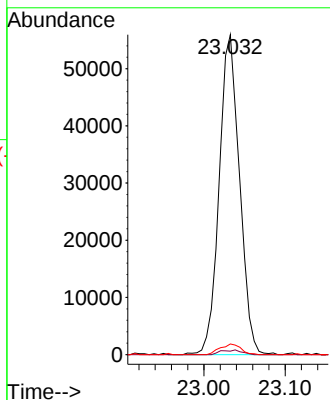
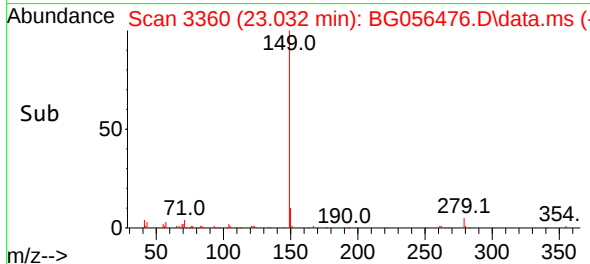
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:149 Resp: 97364
Ion Ratio Lower Upper
149 100
167 1.5 1.4 2.0
43 3.4 2.7 4.1

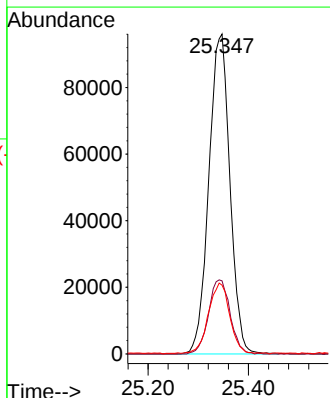
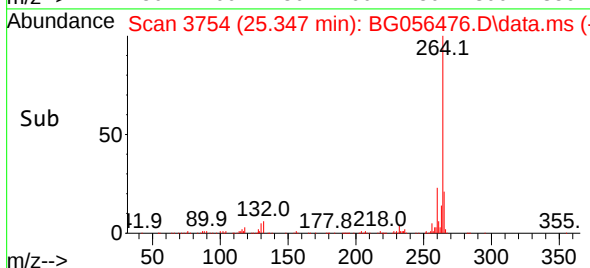
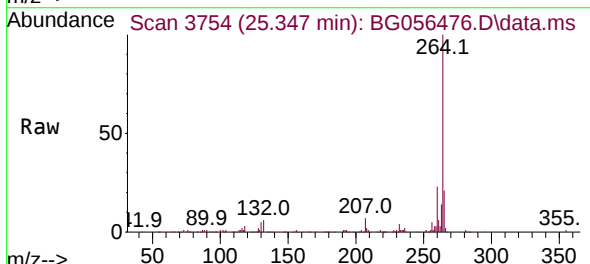
Manual Integrations
APPROVED

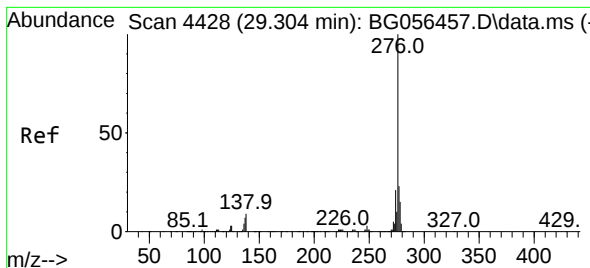
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.347 min Scan# 3754
Delta R.T. -0.008 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Tgt Ion:264 Resp: 279625
Ion Ratio Lower Upper
264 100
260 22.8 18.2 27.4
265 21.5 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.625 ng

RT: 29.272 min Scan# 4428

Delta R.T. -0.031 min

Lab File: BG056476.D

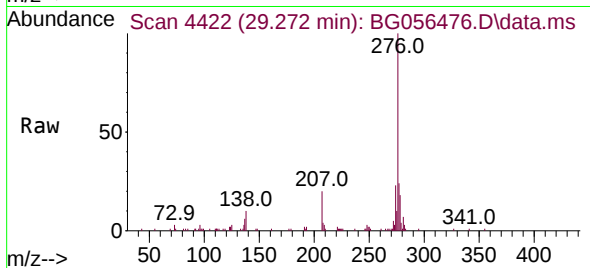
Acq: 30 Jan 2023 19:18

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:276 Resp: 156084

Ion Ratio Lower Upper

276 100

138 6.0 9.4 14.2

277 25.6 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Christian

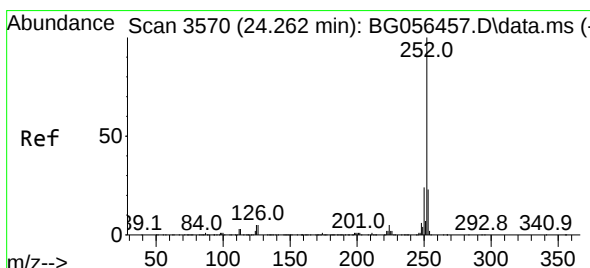
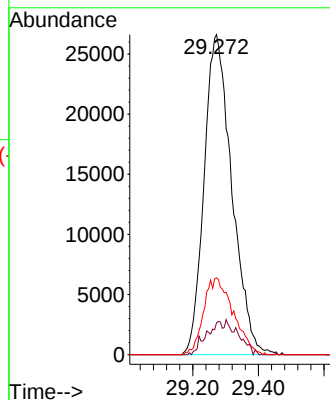
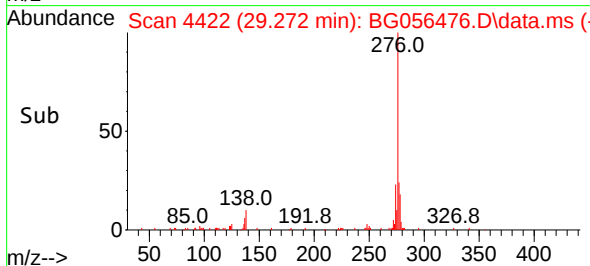
Giraldo

01/31/2023

Supervised By :Jagrut

Upadhyay

01/31/2023



#88

Benzo(b)fluoranthene

Concen: 8.352 ng

RT: 24.243 min Scan# 3566

Delta R.T. -0.020 min

Lab File: BG056476.D

Acq: 30 Jan 2023 19:18

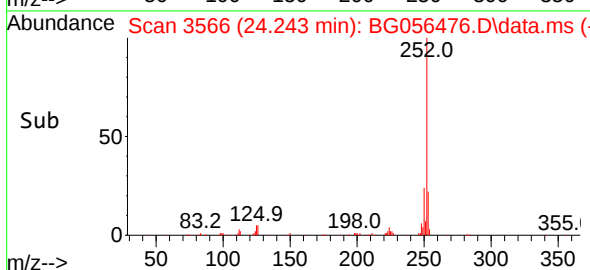
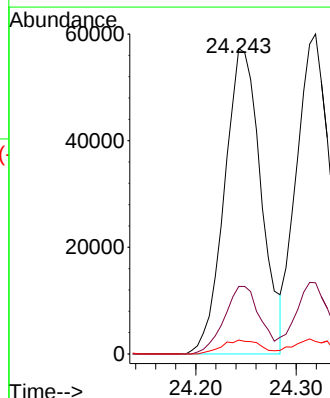
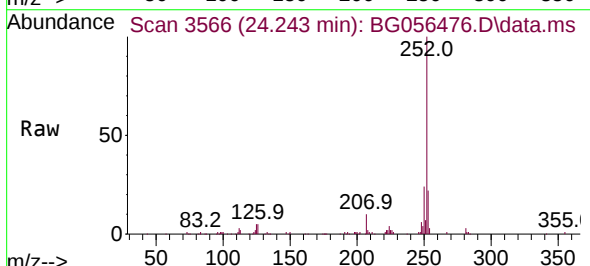
Tgt Ion:252 Resp: 144965

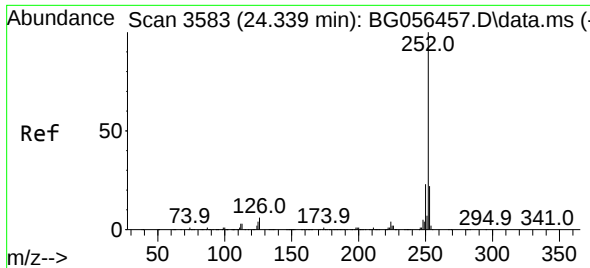
Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

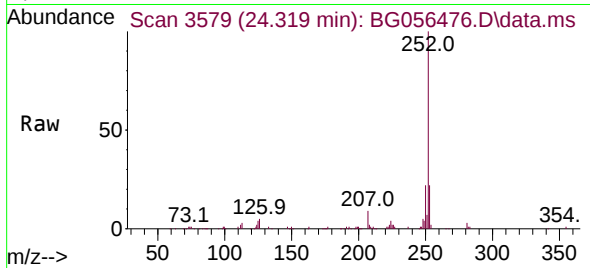
125 4.6 3.9 5.9





#89
Benzo(k)fluoranthene
Concen: 8.075 ng
RT: 24.319 min Scan# 31
Delta R.T. -0.020 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

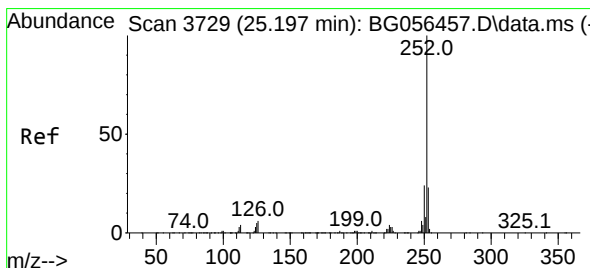
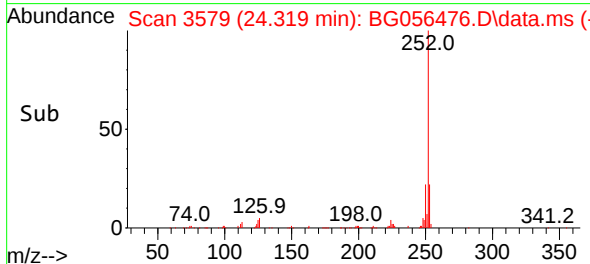
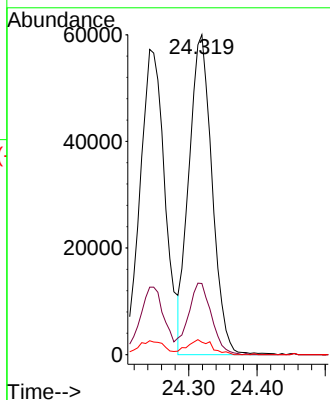
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:252 Resp: 141492
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 3.9 3.4 5.0

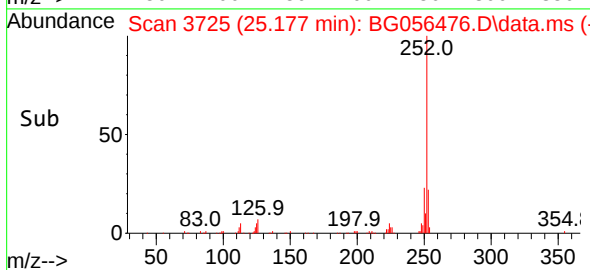
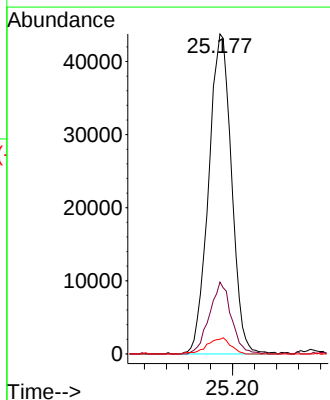
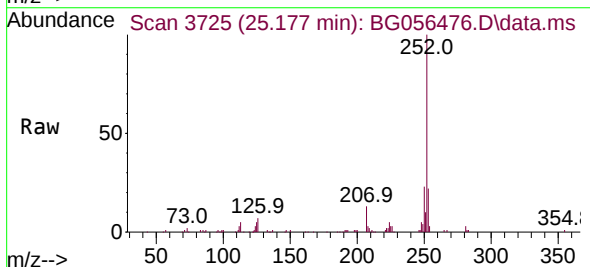
Manual Integrations
APPROVED

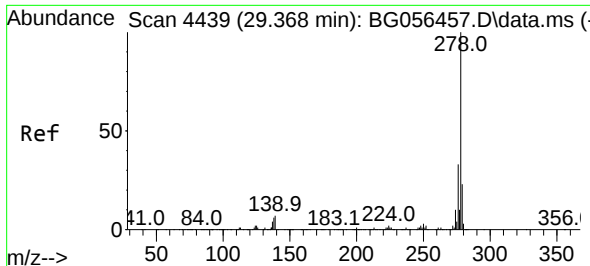
Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#90
Benzo(a)pyrene
Concen: 7.394 ng
RT: 25.177 min Scan# 3725
Delta R.T. -0.020 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

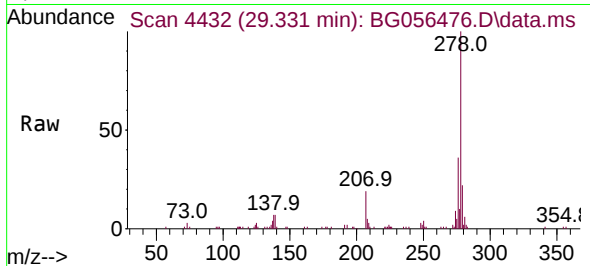
Tgt Ion:252 Resp: 126407
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 4.6 4.1 6.1





#91
Dibenzo(a,h)anthracene
Concen: 7.951 ng
RT: 29.331 min Scan# 4439
Delta R.T. -0.037 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

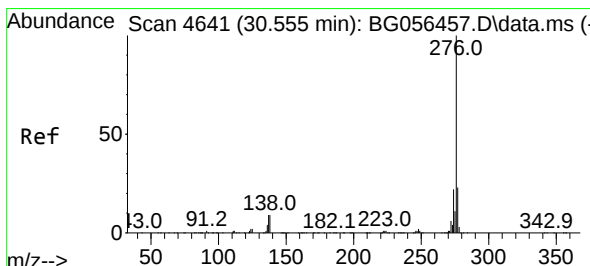
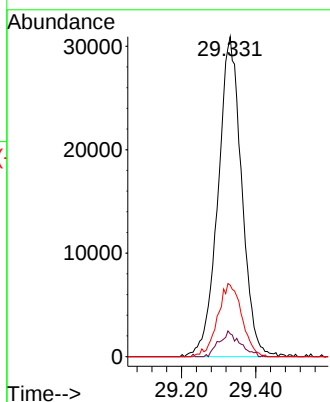
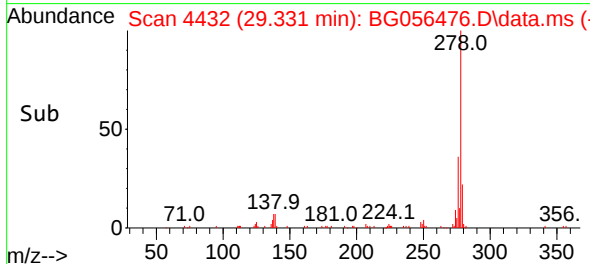
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:278 Resp: 13660
Ion Ratio Lower Upper
278 100
139 7.1 5.5 8.3
279 22.3 18.8 28.2

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
01/31/2023
Supervised By :Jagrut
Upadhyay
01/31/2023



#92
Benzo(g,h,i)perylene
Concen: 7.907 ng
RT: 30.500 min Scan# 4631
Delta R.T. -0.055 min
Lab File: BG056476.D
Acq: 30 Jan 2023 19:18

Tgt Ion:276 Resp: 131080
Ion Ratio Lower Upper
276 100
277 21.4 18.5 27.7
138 9.5 7.4 11.0

