

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013023\
 Data File : BG056475.D
 Acq On : 30 Jan 2023 18:37
 Operator : CG/JU
 Sample : N3980-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jan 31 03:04:29 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	8.276	152	27632	20.000	ng	# 0.00
21) Naphthalene-d8	11.108	136	108389	20.000	ng	0.00
39) Acenaphthene-d10	14.898	164	92980	20.000	ng	0.00
64) Phenanthrene-d10	17.636	188	252372	20.000	ng	0.00
76) Chrysene-d12	21.919	240	253333	20.000	ng	-0.01
86) Perylene-d12	25.338	264	276894	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	172464	114.817	ng	0.00
7) Phenol-d6	7.418	99	243170	109.261	ng	0.00
23) Nitrobenzene-d5	9.451	82	141345	74.051	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	145808	117.957	ng	0.00
45) 2-Fluorobiphenyl	13.523	172	507357	75.652	ng	0.00
79) Terphenyl-d14	20.209	244	1060784	73.544	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.599	88	2595	4.149	ng	94
3) Pyridine	4.034	79	6536	3.506	ng	# 91
4) n-Nitrosodimethylamine	3.934	42	1413	3.564	ng	# 87
6) Aniline	7.594	93	10587	3.633	ng	# 92
8) 2-Chlorophenol	7.841	128	5774	3.499	ng	97
9) Benzaldehyde	7.406	77	5294	3.686	ng	90
10) Phenol	7.447	94	7924	3.503	ng	89
11) bis(2-Chloroethyl)ether	7.682	93	5988	3.851	ng	97
12) 1,3-Dichlorobenzene	8.164	146	7703	4.054	ng	94
13) 1,4-Dichlorobenzene	8.317	146	8073	4.196	ng	96
14) 1,2-Dichlorobenzene	8.640	146	7571	4.056	ng	98
15) Benzyl Alcohol	8.511	79	5165	3.382	ng	87
16) 2,2'-oxybis(1-Chloropr...	8.793	45	1230	3.734	ng	95
17) 2-Methylphenol	8.717	107	5252	3.052	ng	90
18) Hexachloroethane	9.375	117	2438	4.189	ng	93
19) n-Nitroso-di-n-propyla...	9.075	70	4924	3.839	ng	96
20) 3+4-Methylphenols	9.046	107	8302	3.442	ng	94
22) Acetophenone	9.104	105	11476	3.985	ng	# 92
24) Nitrobenzene	9.498	77	7447m	4.045	ng	
25) Isophorone	10.015	82	14505	3.684	ng	# 97
26) 2-Nitrophenol	10.221	139	3913	3.503	ng	94
27) 2,4-Dimethylphenol	10.256	122	6232	3.333	ng	97
28) bis(2-Chloroethoxy)met...	10.491	93	8153	3.748	ng	# 93
29) 2,4-Dichlorophenol	10.761	162	7118	3.382	ng	93
30) 1,2,4-Trichlorobenzene	10.973	180	9257	3.959	ng	93
31) Naphthalene	11.161	128	21628	3.781	ng	97
33) 4-Chloroaniline	11.267	127	9467	3.545	ng	95
34) Hexachlorobutadiene	11.437	225	6371	3.881	ng	95
35) Caprolactam	12.001	113	2514	3.542	ng	94
36) 4-Chloro-3-methylphenol	12.365	107	7458	3.670	ng	96
37) 2-Methylnaphthalene	12.747	142	17055m	3.616	ng	
38) 1-Methylnaphthalene	12.965	142	16381m	3.719	ng	
40) 1,2,4,5-Tetrachloroben...	13.106	216	13503	3.975	ng	97
41) Hexachlorocyclopentadiene	13.076	237	2031	7.410	ng	82
43) 2,4,6-Trichlorophenol	13.346	196	7443	3.400	ng	84
44) 2,4,5-Trichlorophenol	13.423	196	8512	3.321	ng	# 92

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 QLast Update : Sat Jan 28 00:39:13 2023
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Manual Integrations
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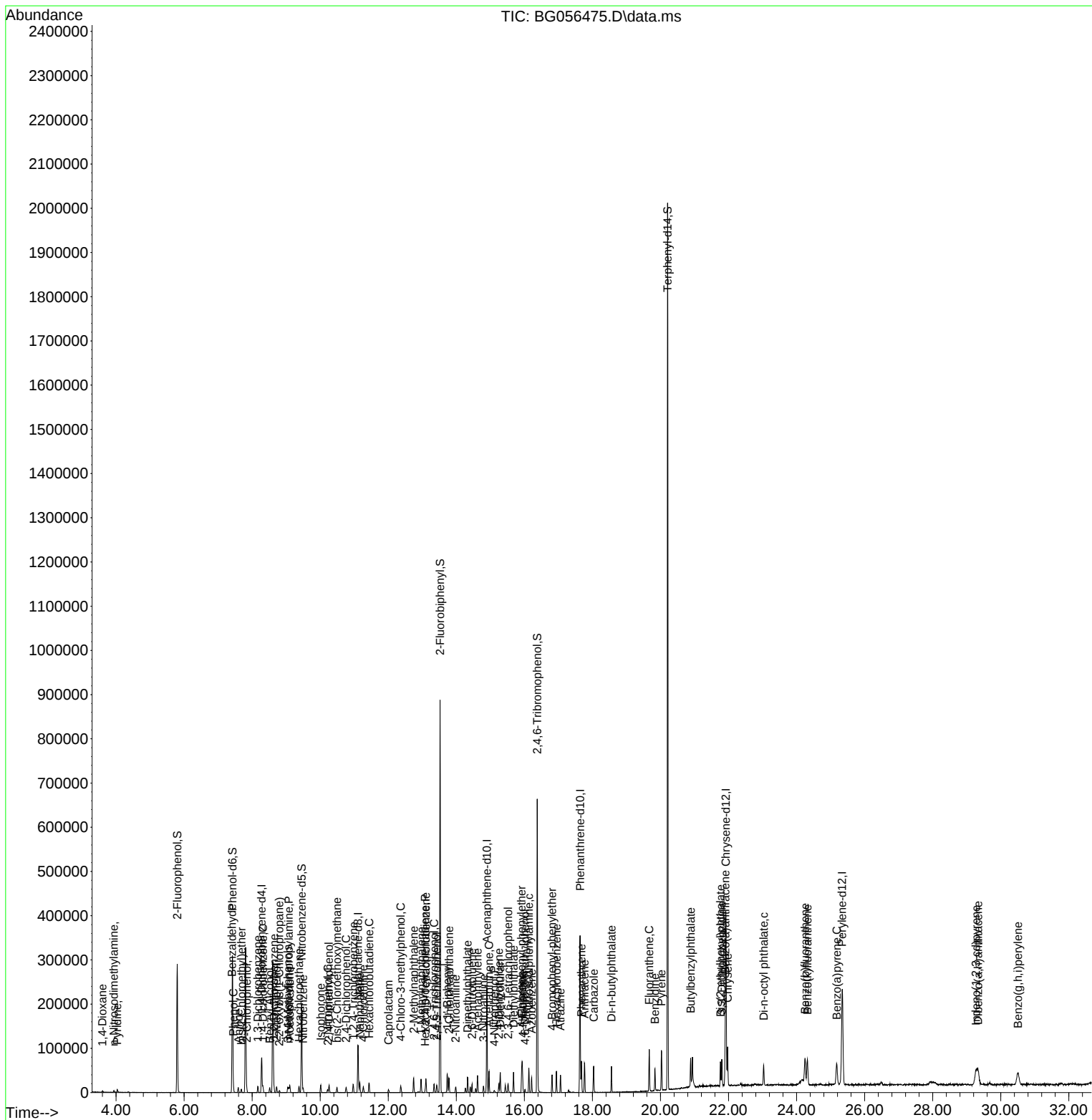
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023

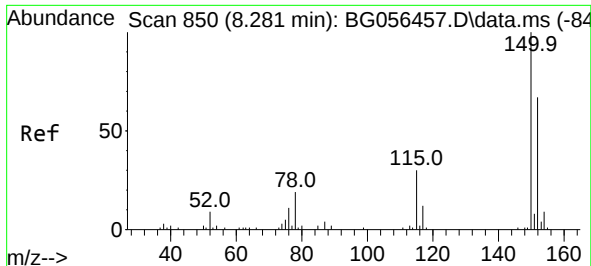
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.734	154	26376	3.911	ng	97
47) 2-Chloronaphthalene	13.787	162	20903	3.965	ng	96
48) 2-Nitroaniline	13.975	65	3686	3.383	ng	# 80
49) Acenaphthylene	14.621	152	32383	3.776	ng	96
50) Dimethylphthalate	14.328	163	28899	3.842	ng	99
51) 2,6-Dinitrotoluene	14.463	165	6144	3.745	ng	98
52) Acenaphthene	14.962	154	19396	3.814	ng	95
53) 3-Nitroaniline	14.798	138	5837	3.670	ng	93
55) Dibenzofuran	15.291	168	35467	3.888	ng	98
56) 4-Nitrophenol	15.115	139	2906	2.674	ng	# 86
57) 2,4-Dinitrotoluene	15.250	165	8898	3.851	ng	98
58) Fluorene	15.938	166	28783	3.966	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.520	232	6994	3.069	ng	# 97
60) Diethylphthalate	15.679	149	28083	3.976	ng	98
61) 4-Chlorophenyl-phenyle...	15.914	204	16651	3.760	ng	97
62) 4-Nitroaniline	15.955	138	6169	3.877	ng	89
63) Azobenzene	16.214	77	19299	3.971	ng	97
65) 4,6-Dinitro-2-methylph...	16.020	198	4369	2.462	ng	94
66) n-Nitrosodiphenylamine	16.131	169	26406	3.696	ng	97
67) 4-Bromophenyl-phenylether	16.813	248	11781	3.646	ng	# 93
68) Hexachlorobenzene	16.942	284	12473	3.942	ng	92
69) Atrazine	17.060	200	11455	4.155	ng	95
71) Phenanthrene	17.677	178	51281	3.882	ng	98
72) Anthracene	17.765	178	51702	3.813	ng	95
73) Carbazole	18.035	167	45239	3.917	ng	96
74) Di-n-butylphthalate	18.558	149	44134	3.640	ng	97
75) Fluoranthene	19.668	202	65819	3.948	ng	97
77) Benzidine	19.839	184	36582	5.336	ng	100
78) Pyrene	20.027	202	66177	3.673	ng	99
80) Butylbenzylphthalate	20.885	149	20071	3.648	ng	96
81) Benzo(a)anthracene	21.901	228	67492	3.811	ng	97
82) 3,3'-Dichlorobenzidine	21.801	252	28481	4.466	ng	92
83) Chrysene	21.972	228	62606	3.763	ng	96
84) Bis(2-ethylhexyl)phtha...	21.760	149	28048	3.555	ng	95
85) Di-n-octyl phthalate	23.029	149	47295	3.600	ng	99
87) Indeno(1,2,3-cd)pyrene	29.269	276	74038	3.653	ng	# 96
88) Benzo(b)fluoranthene	24.245	252	67827m	3.947	ng	
89) Benzo(k)fluoranthene	24.316	252	67544	3.893	ng	100
90) Benzo(a)pyrene	25.180	252	61135	3.611	ng	# 98
91) Dibenzo(a,h)anthracene	29.328	278	65399	3.844	ng	94
92) Benzo(g,h,i)perylene	30.503	276	62535	3.809	ng	94

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

Manual Integrations

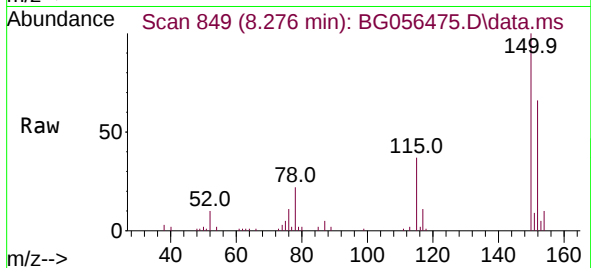
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

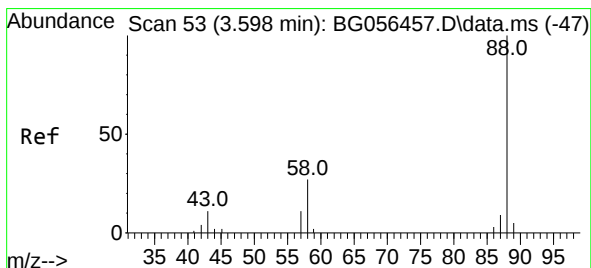
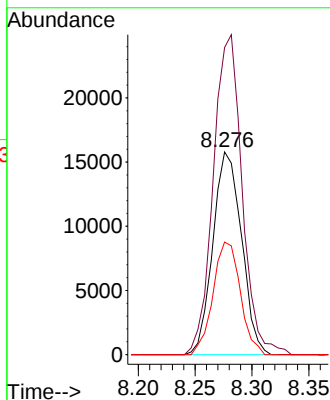
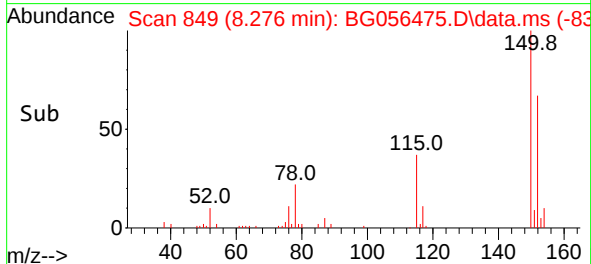
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:152 Resp: 27632
Ion Ratio Lower Upper
152 100
150 151.6 120.2 180.4
115 55.6 36.3 54.5

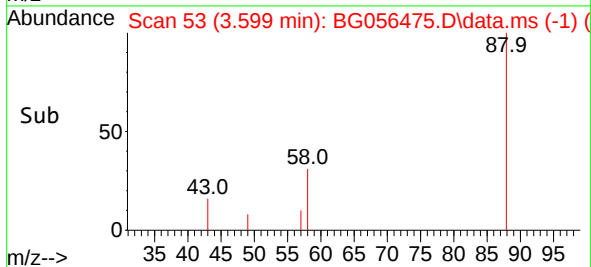
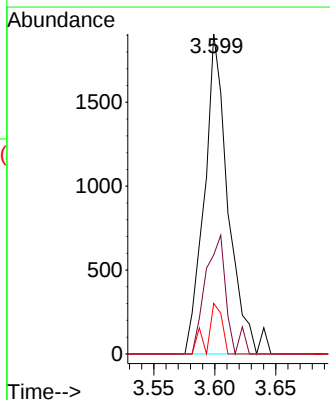
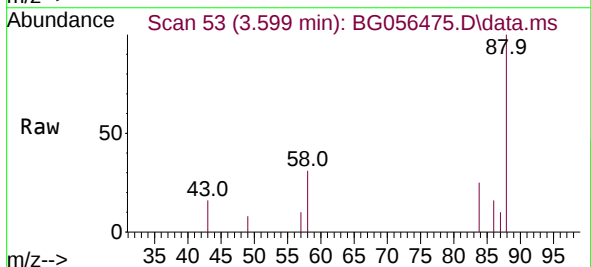
Manual Integrations
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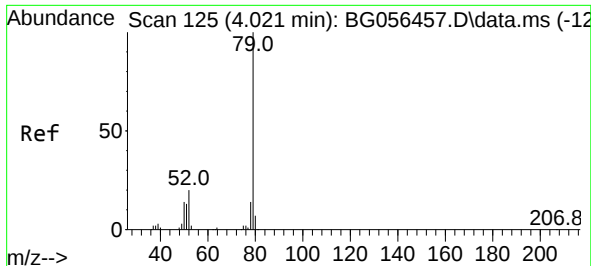
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#2
1,4-Dioxane
Concen: 4.149 ng
RT: 3.599 min Scan# 53
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

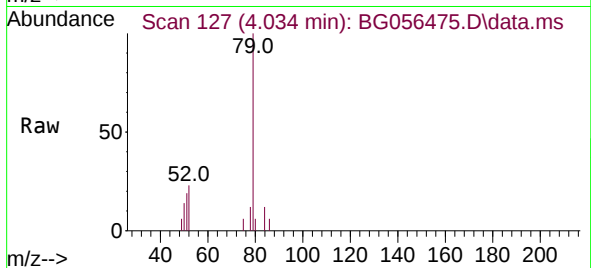
Tgt Ion: 88 Resp: 2595
Ion Ratio Lower Upper
88 100
58 32.7 23.0 34.4
43 9.5 8.0 12.0





#3
Pyridine
Concen: 3.506 ng
RT: 4.034 min Scan# 110
Delta R.T. 0.012 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

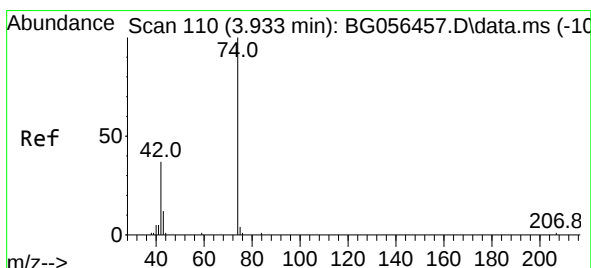
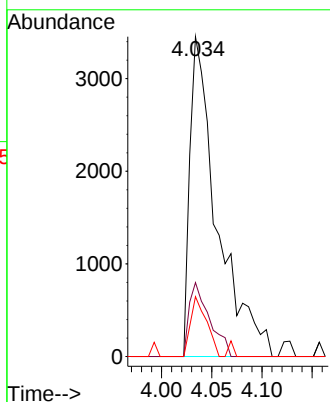
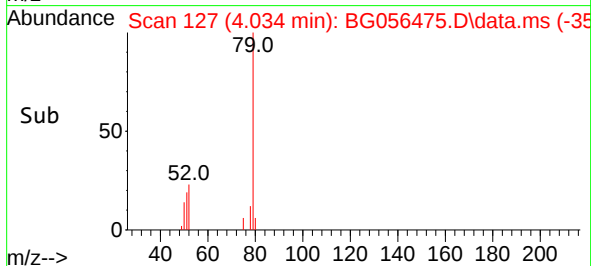
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



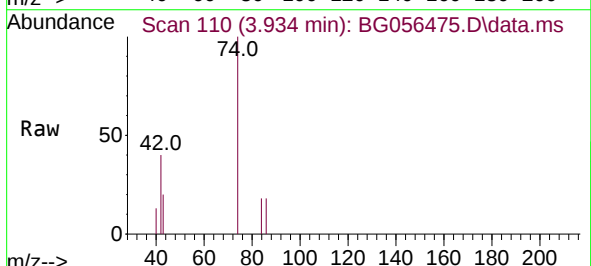
Tgt Ion: 79 Resp: 6536
Ion Ratio Lower Upper
79 100
52 23.1 16.1 24.1
51 18.7 10.7 16.1

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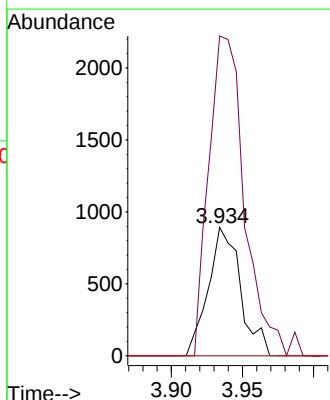
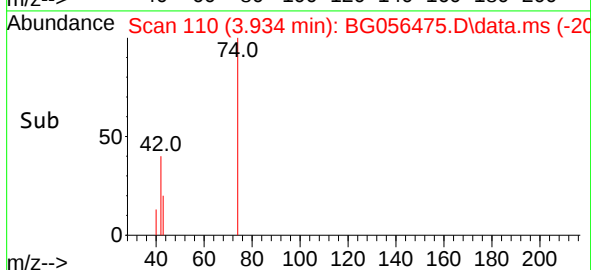
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#4
n-Nitrosodimethylamine
Concen: 3.564 ng
RT: 3.934 min Scan# 110
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



Tgt Ion: 42 Resp: 1413
Ion Ratio Lower Upper
42 100
74 248.9 217.9 326.9
44 0.0 3.0 4.6





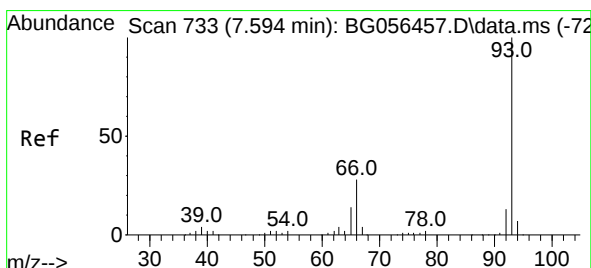
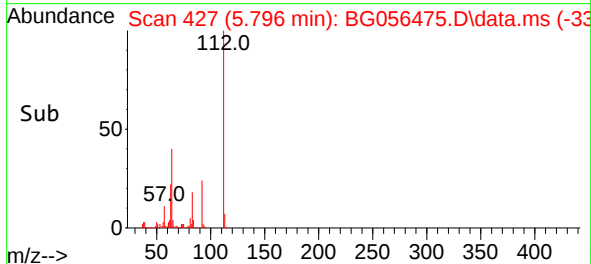
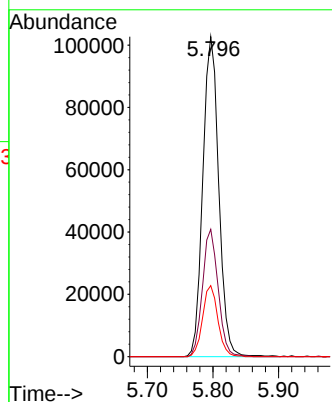
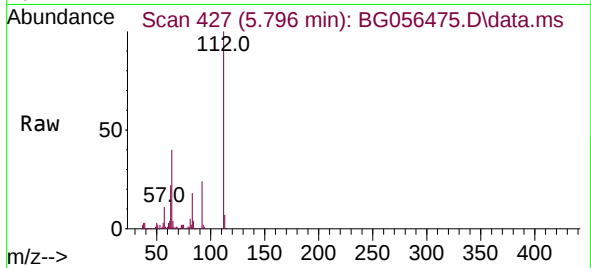
#5
2-Fluorophenol
Concen: 114.817 ng
RT: 5.796 min Scan# 428
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

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

Tgt Ion: 112 Resp: 172464
Ion Ratio Lower Upper
112 100
64 39.8 31.9 47.9
63 22.2 17.4 26.0

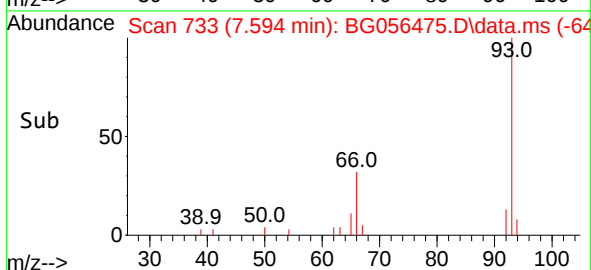
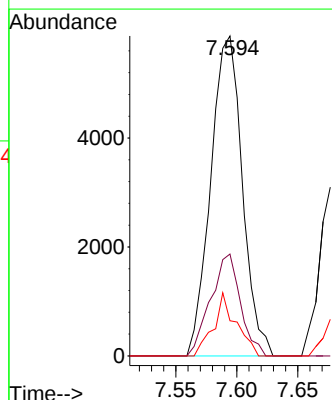
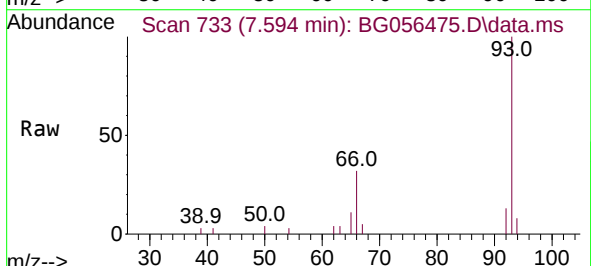
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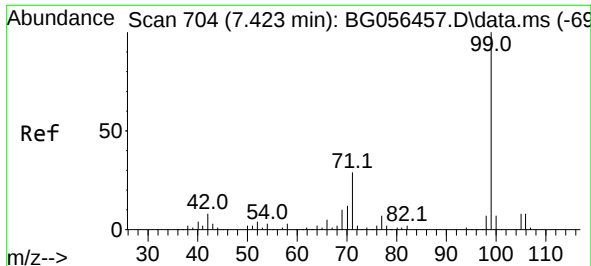
Reviewed By : Christian Giraldo 01/31/2023
Supervised By : Jagrut Upadhyay 01/31/2023



#6
Aniline
Concen: 3.633 ng
RT: 7.594 min Scan# 733
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion: 93 Resp: 10587
Ion Ratio Lower Upper
93 100
66 31.8 22.2 33.2
65 11.0 11.3 16.9#





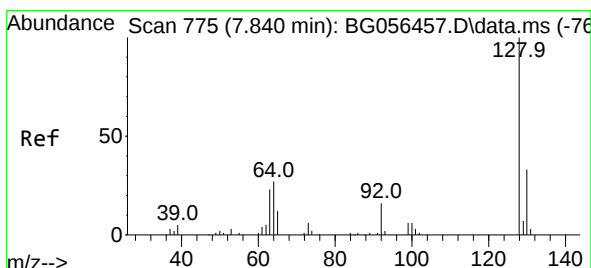
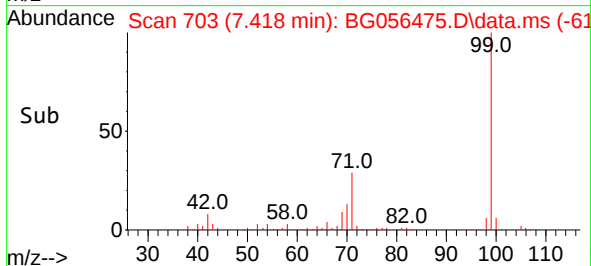
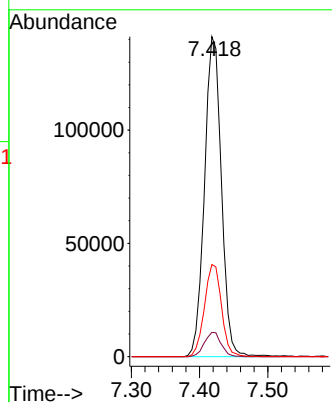
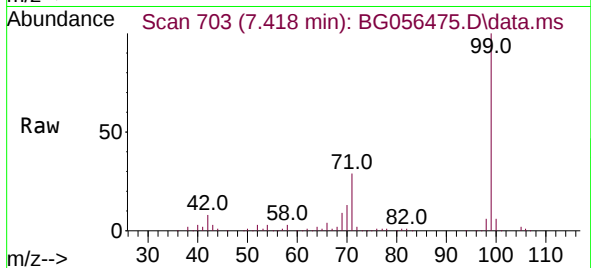
#7
Phenol-d6
Concen: 109.261 ng
RT: 7.418 min Scan# 704
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Instrument :
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Tgt Ion: 99 Resp: 243176
Ion Ratio Lower Upper
99 100
42 7.6 6.6 10.0
71 28.8 23.4 35.0

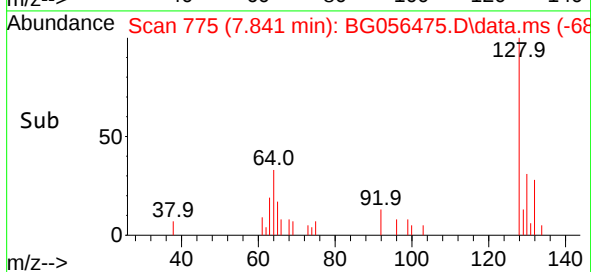
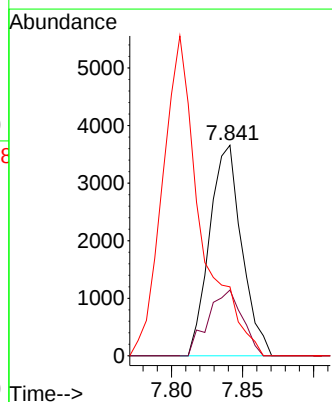
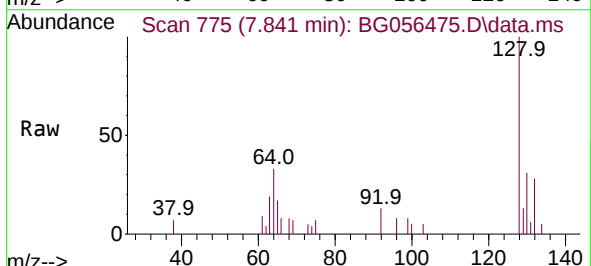
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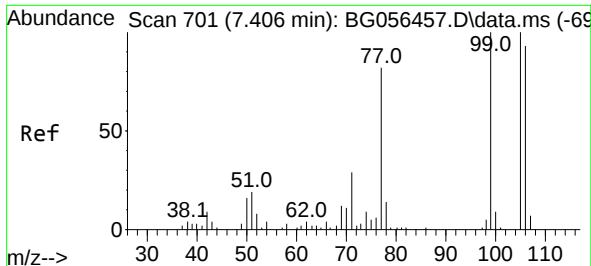
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#8
2-Chlorophenol
Concen: 3.499 ng
RT: 7.841 min Scan# 775
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

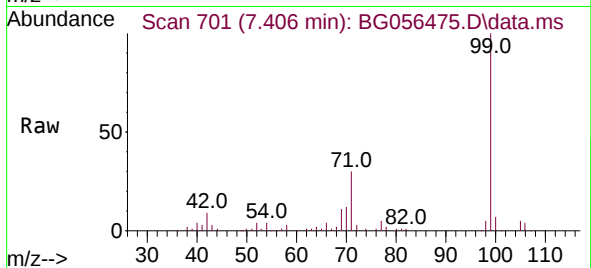
Tgt Ion:128 Resp: 5774
Ion Ratio Lower Upper
128 100
130 31.3 12.8 52.8
64 32.8 11.3 51.3





#9
Benzaldehyde
Concen: 3.686 ng
RT: 7.406 min Scan# 701
Delta R.T. 0.000 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

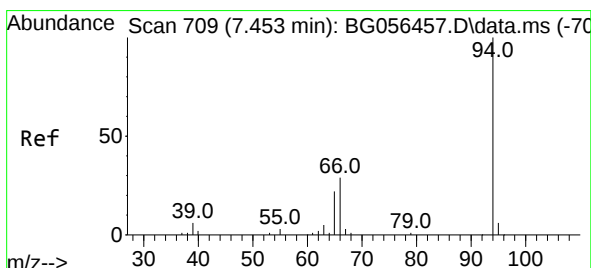
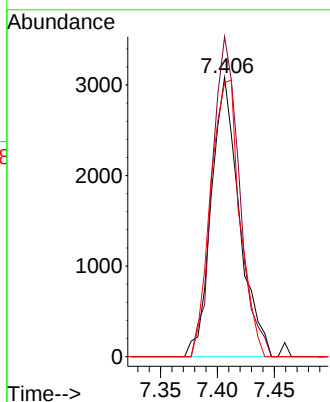
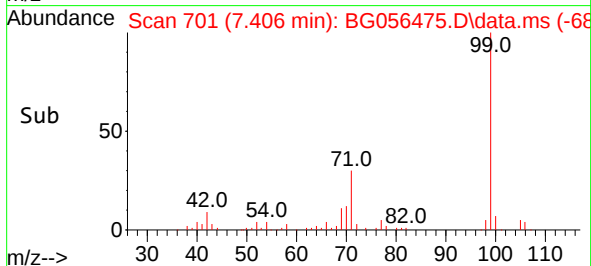
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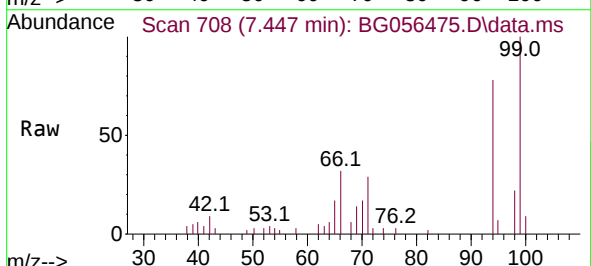
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Ion Ratio Lower Upper
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105 114.5 101.8 141.8
106 98.0 93.0 133.0

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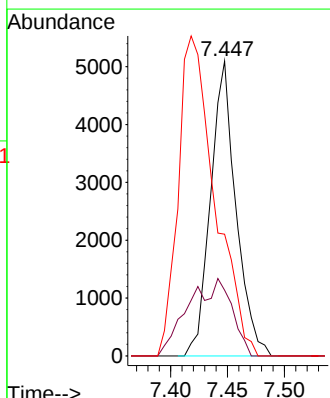
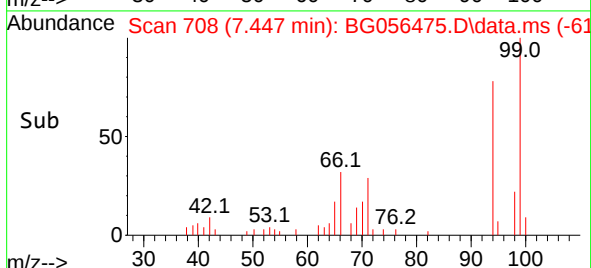
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#10
Phenol
Concen: 3.503 ng
RT: 7.447 min Scan# 708
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



Tgt Ion: 94 Resp: 7924
Ion Ratio Lower Upper
94 100
65 22.3 2.3 42.3
66 41.3 11.2 51.2





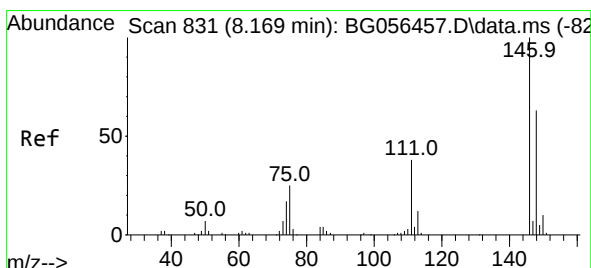
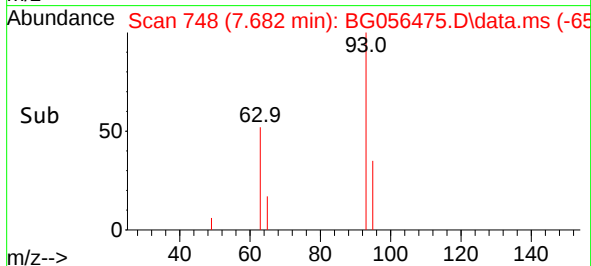
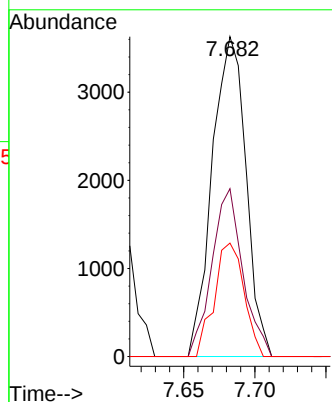
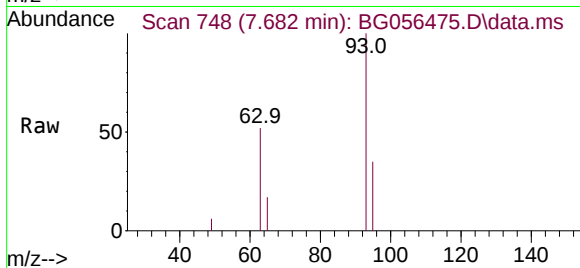
#11
bis(2-Chloroethyl)ether
Concen: 3.851 ng
RT: 7.682 min Scan# 748
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

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

Tgt Ion: 93 Resp: 5988
Ion Ratio Lower Upper
93 100
63 52.5 32.4 72.4
95 35.5 11.8 51.8

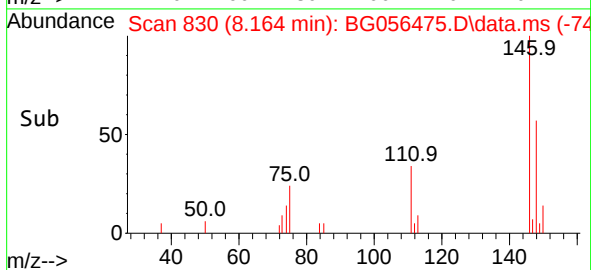
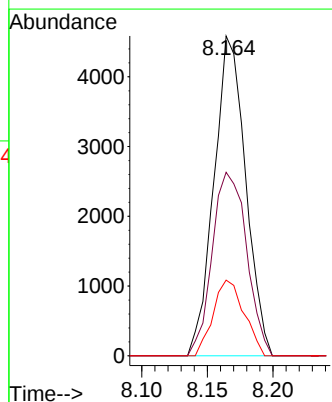
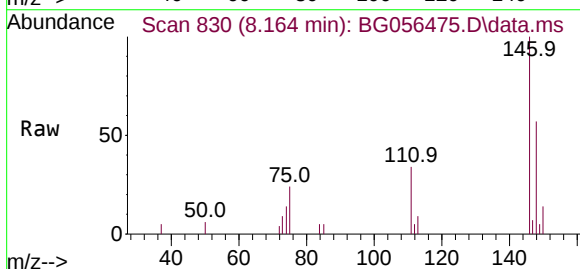
Manual Integrations
APPROVED

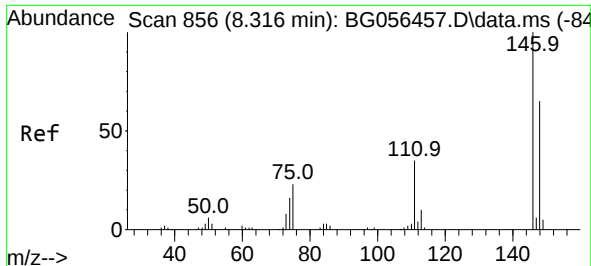
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#12
1,3-Dichlorobenzene
Concen: 4.054 ng
RT: 8.164 min Scan# 830
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:146 Resp: 7703
Ion Ratio Lower Upper
146 100
148 57.4 50.6 75.8
75 23.7 19.6 29.4





#13

1,4-Dichlorobenzene

Concen: 4.196 ng

RT: 8.317 min Scan# 81

Delta R.T. 0.001 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

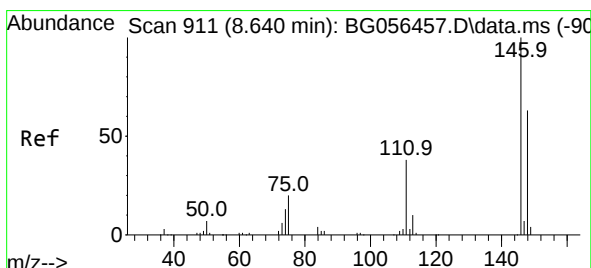
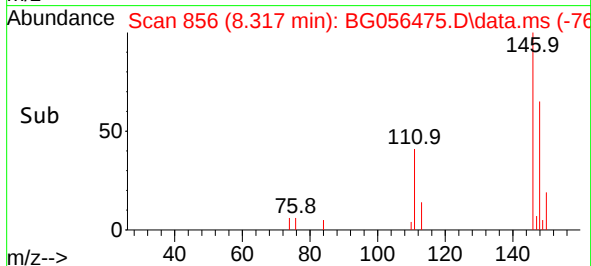
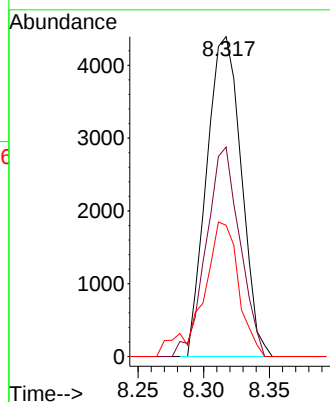
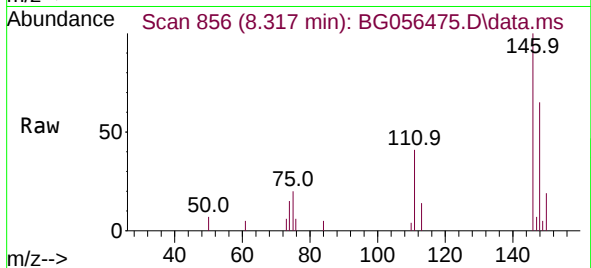
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:	146	Resp:	8073
Ion Ratio	Lower	Upper	
146	100		
148	65.5	51.8	77.6
111	41.0	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: 4.056 ng

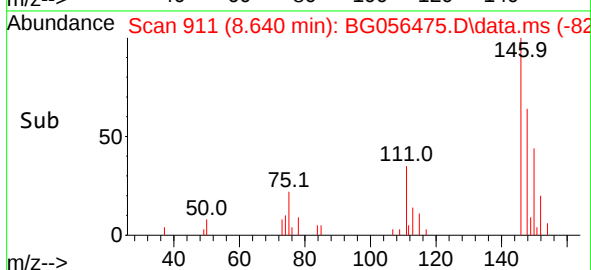
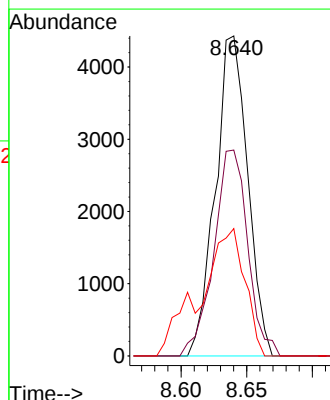
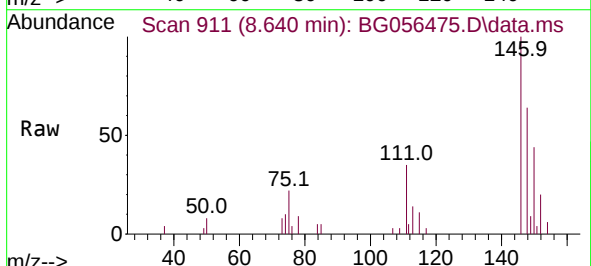
RT: 8.640 min Scan# 911

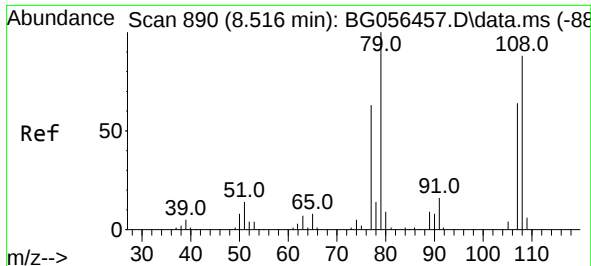
Delta R.T. 0.001 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

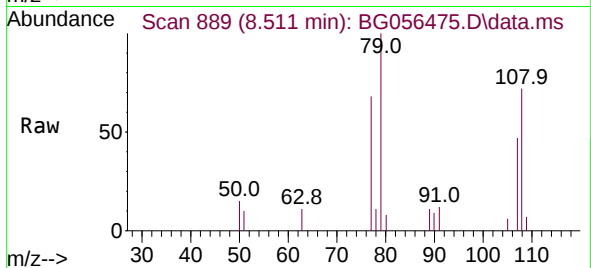
Tgt Ion:	146	Resp:	7571
Ion Ratio	Lower	Upper	
146	100		
148	64.3	50.1	75.1
111	39.8	30.9	46.3





#15
Benzyl Alcohol
Concen: 3.382 ng
RT: 8.511 min Scan# 889
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

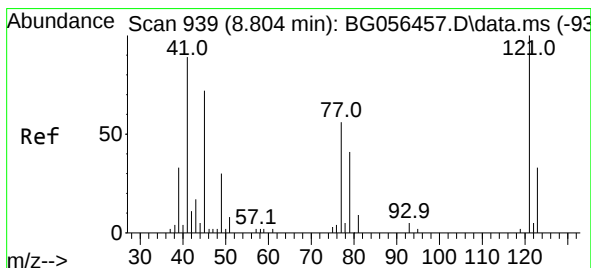
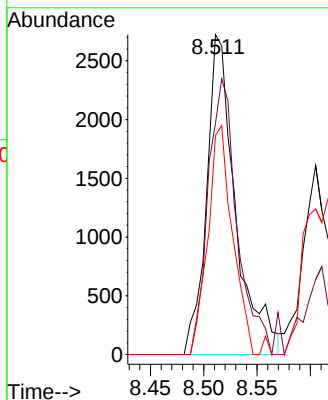
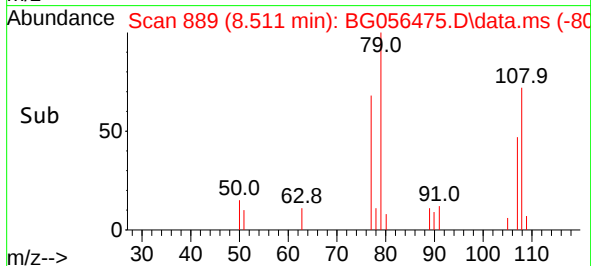
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 79 Resp: 516
Ion Ratio Lower Upper
79 100
108 72.3 70.1 105.1
77 68.5 50.3 75.5

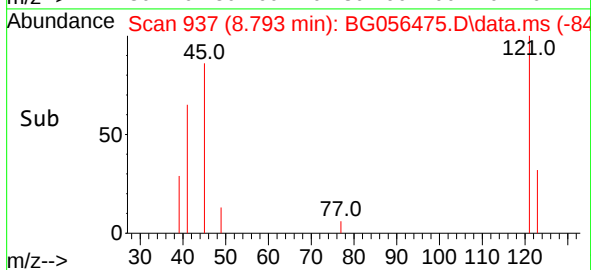
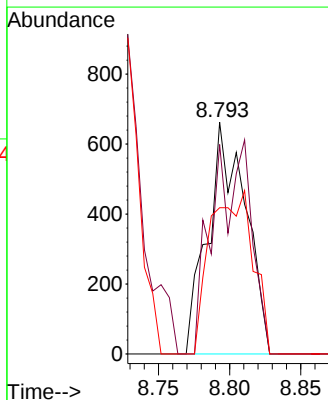
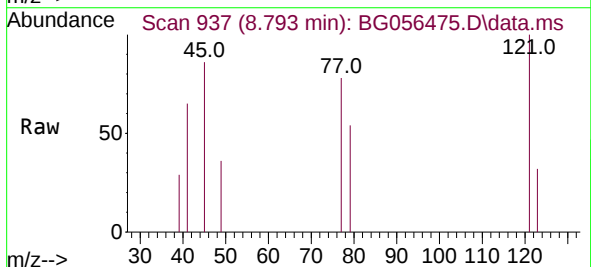
Manual Integrations
APPROVED

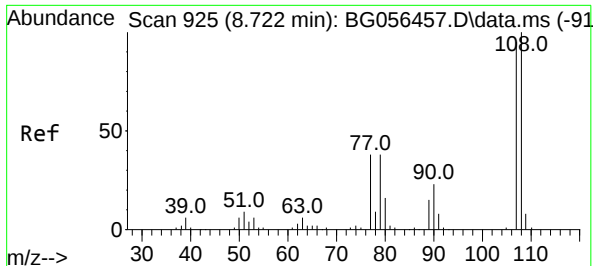
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.734 ng
RT: 8.793 min Scan# 937
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

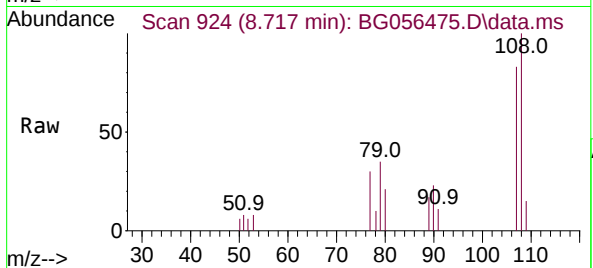
Tgt Ion: 45 Resp: 1230
Ion Ratio Lower Upper
45 100
77 90.3 62.1 102.1
79 63.0 42.7 82.7





#17
2-Methylphenol
Concen: 3.052 ng
RT: 8.717 min Scan# 91
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

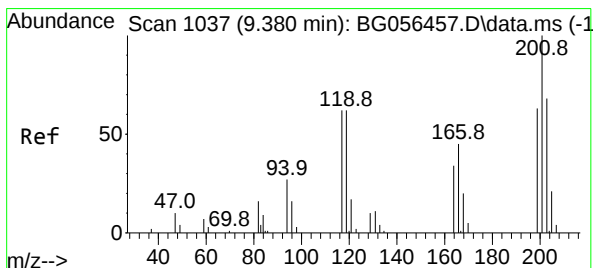
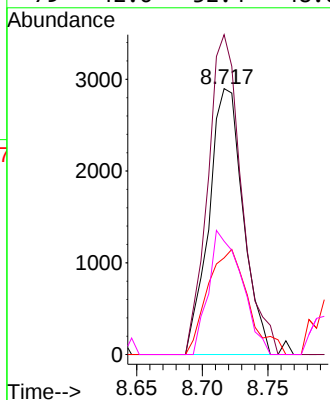
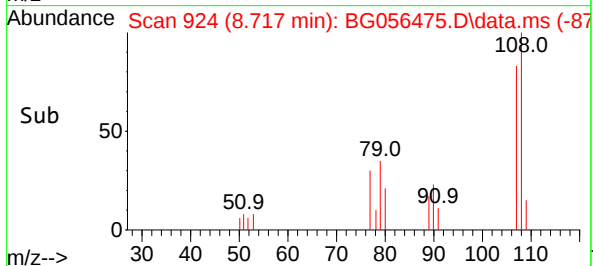
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



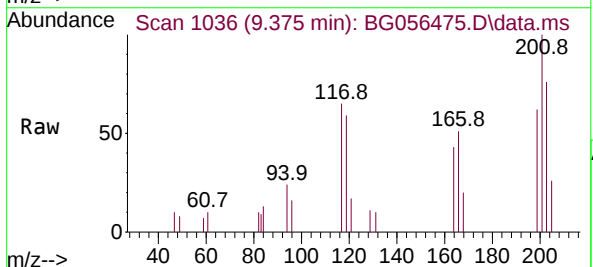
Tgt Ion:	107	Resp:	525
Ion	Ratio	Lower	Upper
107	100		
108	120.3	83.9	125.9
77	36.3	31.6	47.4
79	42.6	32.4	48.6

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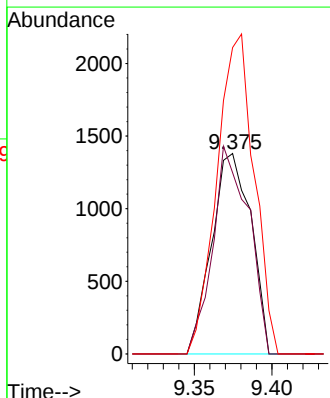
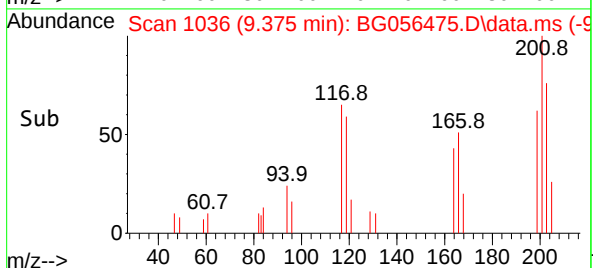
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

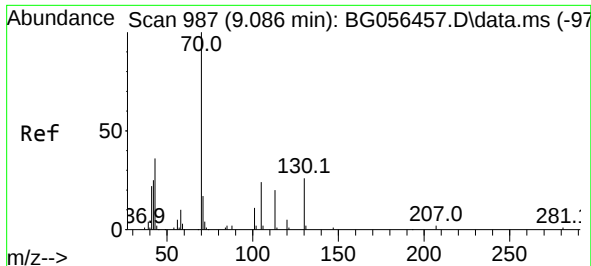


#18
Hexachloroethane
Concen: 4.189 ng
RT: 9.375 min Scan# 1036
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



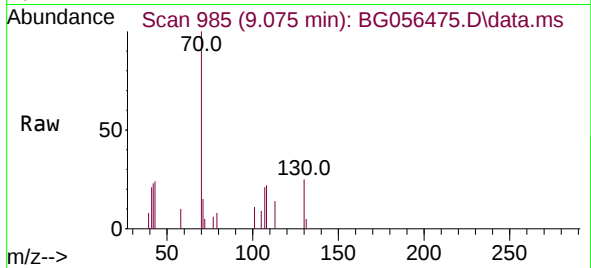
Tgt Ion:	117	Resp:	2438
Ion	Ratio	Lower	Upper
117	100		
119	90.4	79.4	119.0
201	152.9	128.5	192.7





#19
n-Nitroso-di-n-propylamine
Concen: 3.839 ng
RT: 9.075 min Scan# 985
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

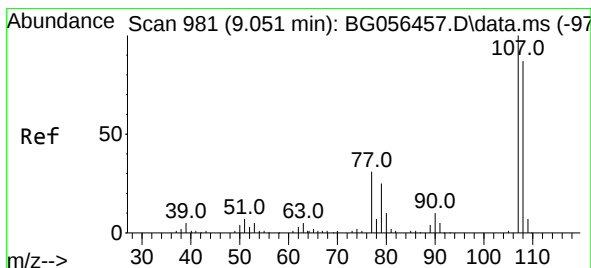
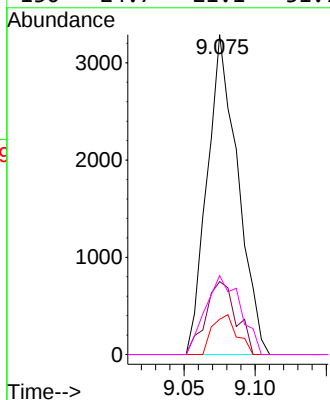
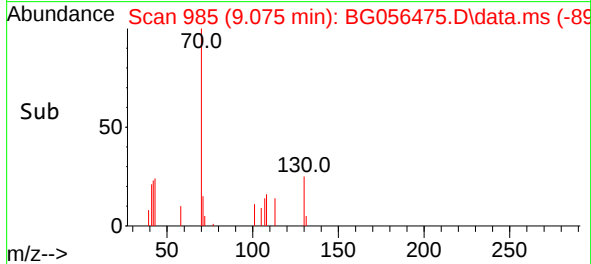
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 70 Resp: 4924
Ion Ratio Lower Upper
70 100
42 22.8 20.2 30.4
101 11.0 9.1 13.7
130 24.7 21.1 31.7

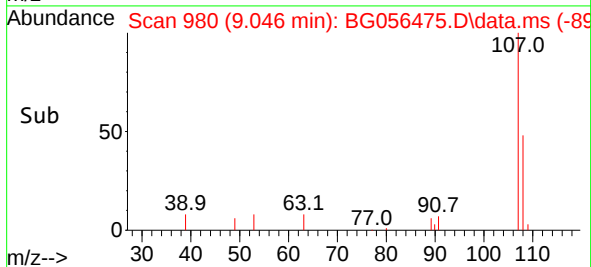
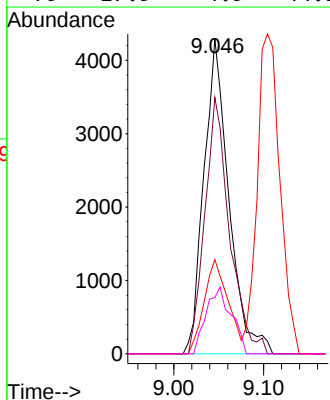
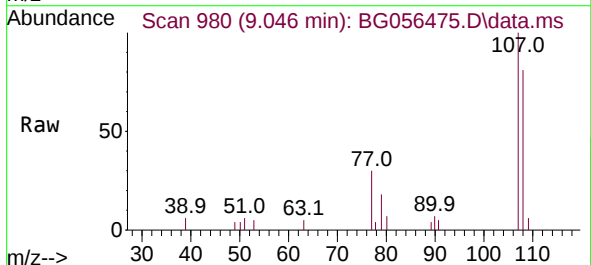
Manual Integrations
APPROVED

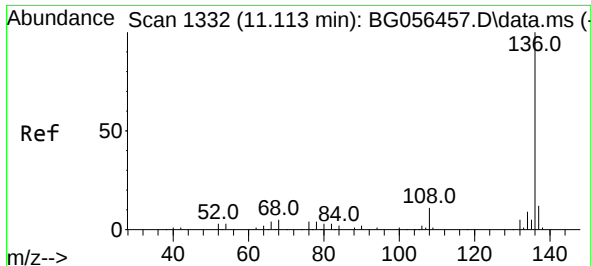
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#20
3+4-Methylphenols
Concen: 3.442 ng
RT: 9.046 min Scan# 980
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

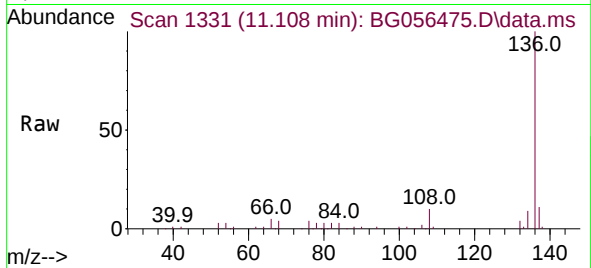
Tgt Ion:107 Resp: 8302
Ion Ratio Lower Upper
107 100
108 81.4 66.7 106.7
77 30.0 10.6 50.6
79 17.9 4.9 44.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.108 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

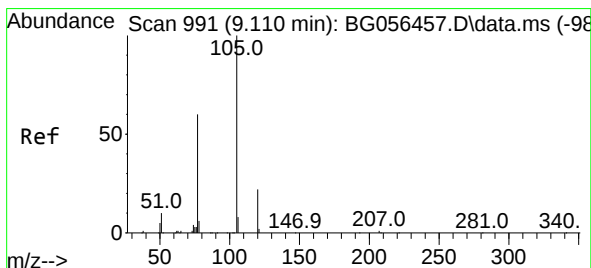
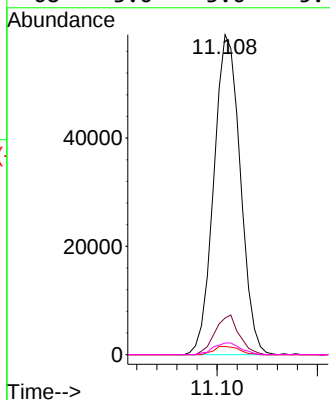
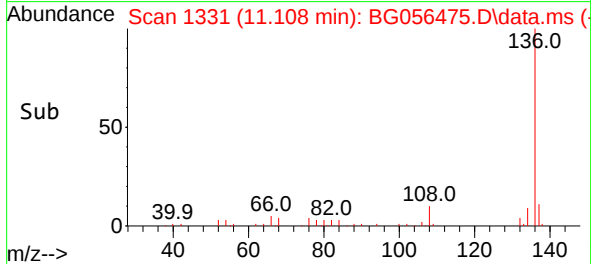
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:136 Resp: 108389
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.0
54 2.5 2.2 3.4
68 3.6 3.6 5.4

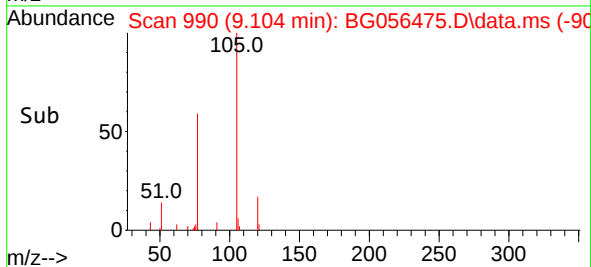
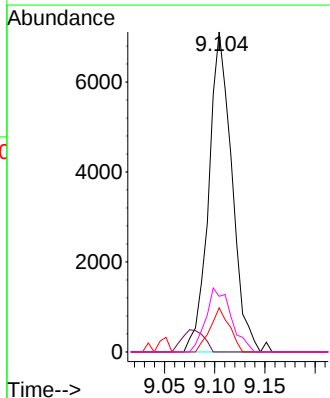
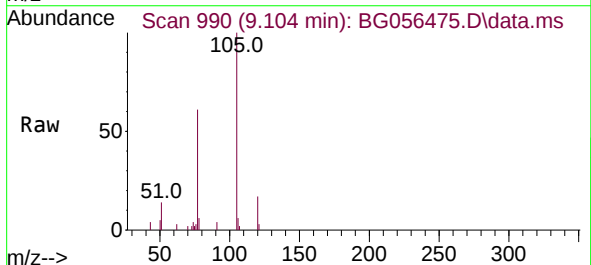
Manual Integrations
APPROVED

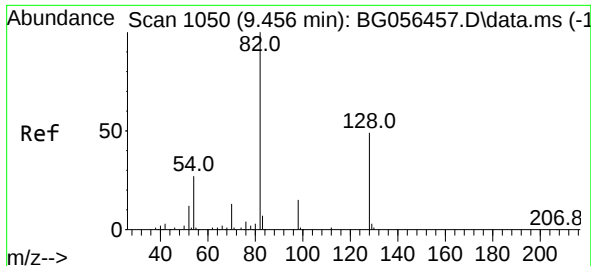
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#22
Acetophenone
Concen: 3.985 ng
RT: 9.104 min Scan# 990
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

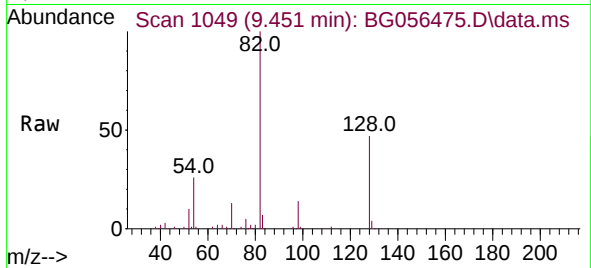
Tgt Ion:105 Resp: 11476
Ion Ratio Lower Upper
105 100
71 0.0 0.6 0.8
51 13.8 9.2 13.8
120 17.4 17.4 26.0





#23
Nitrobenzene-d5
Concen: 74.051 ng
RT: 9.451 min Scan# 1049
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

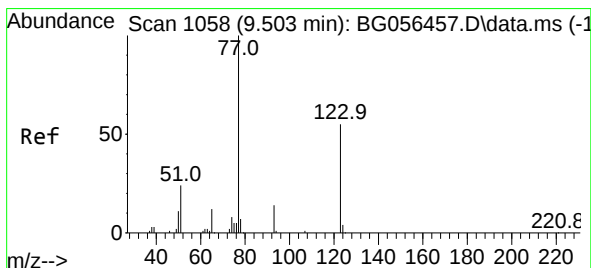
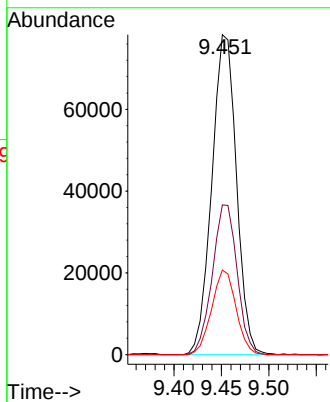
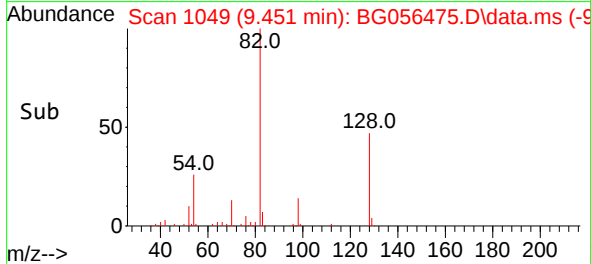
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 82 Resp: 141345
Ion Ratio Lower Upper
82 100
128 46.8 39.4 59.2
54 26.4 21.4 32.2

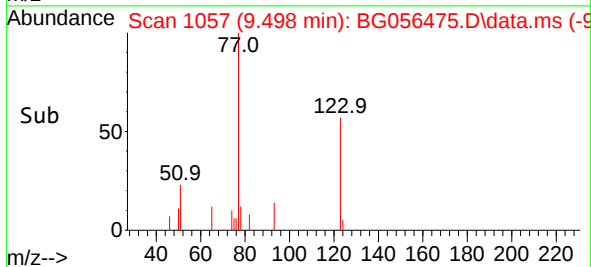
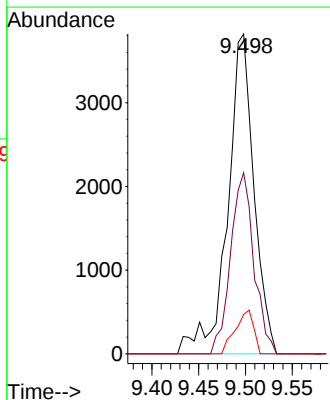
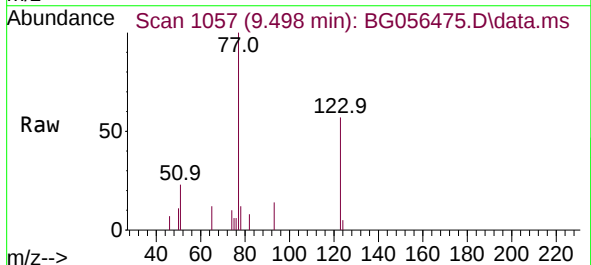
Manual Integrations
APPROVED

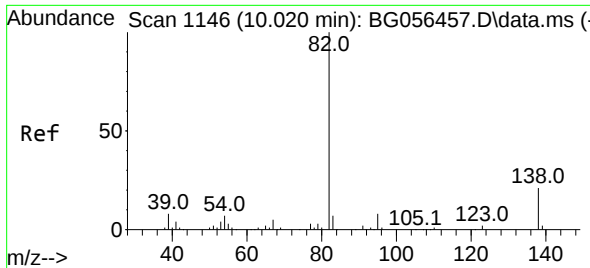
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#24
Nitrobenzene
Concen: 4.045 ng m
RT: 9.498 min Scan# 1057
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion: 77 Resp: 7447
Ion Ratio Lower Upper
77 100
123 56.6 44.0 66.0
65 12.3 9.7 14.5





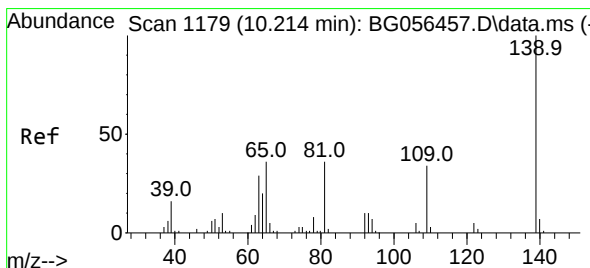
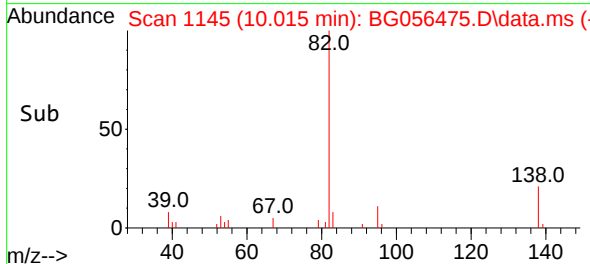
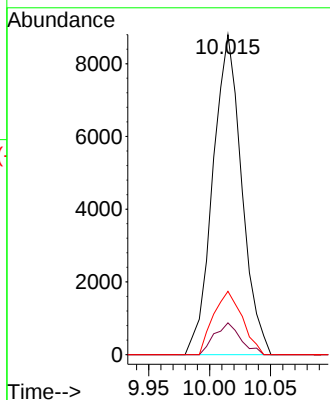
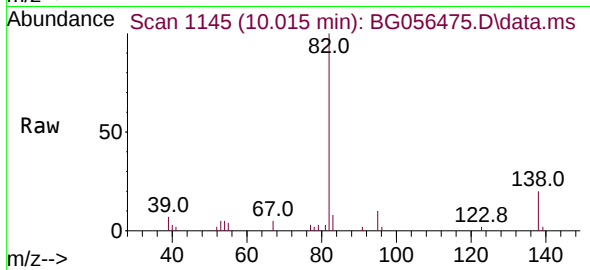
#25
Isophorone
Concen: 3.684 ng
RT: 10.015 min Scan# 1145
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

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

Tgt Ion: 82 Resp: 14505
Ion Ratio Lower Upper
82 100
95 9.9 6.3 9.5
138 19.8 16.6 25.0

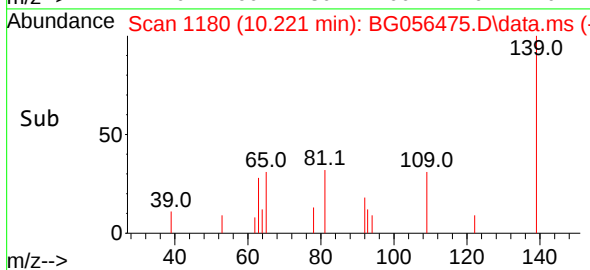
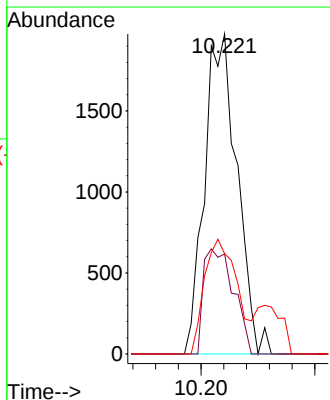
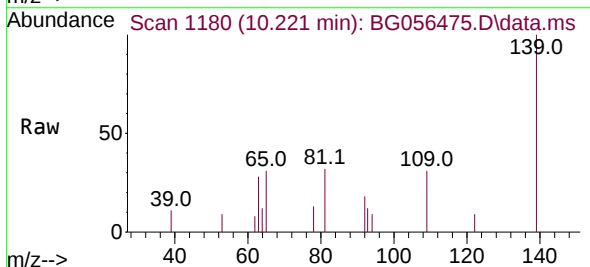
Manual Integrations
APPROVED

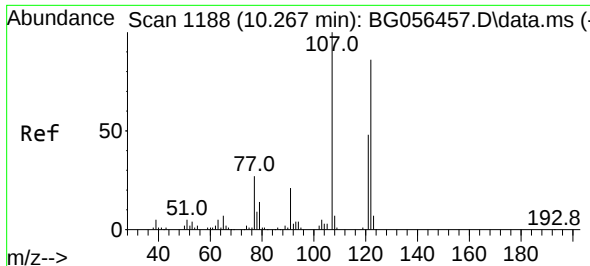
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#26
2-Nitrophenol
Concen: 3.503 ng
RT: 10.221 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:139 Resp: 3913
Ion Ratio Lower Upper
139 100
109 31.2 26.9 40.3
65 31.3 29.0 43.4





#27

2,4-Dimethylphenol

Concen: 3.333 ng

RT: 10.256 min Scan# 1186

Delta R.T. -0.011 min

Lab File: BG056475.D

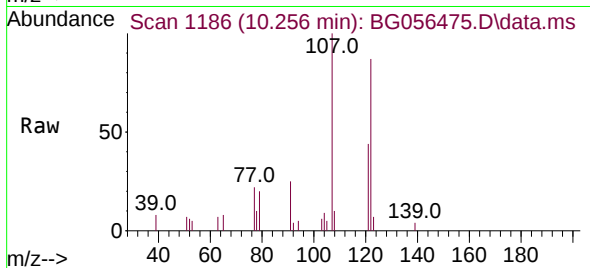
Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



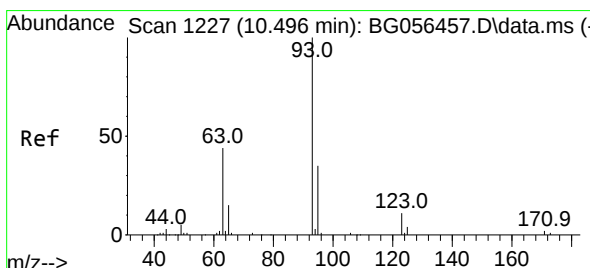
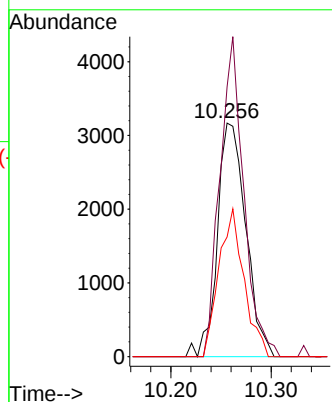
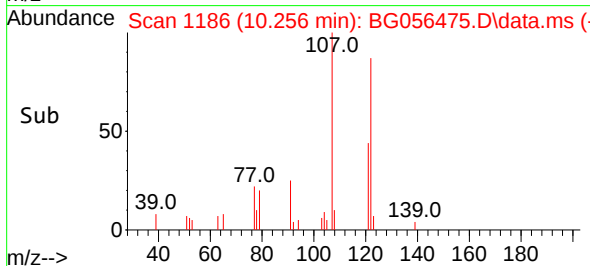
Tgt Ion:	122	Resp:	623
Ion	Ratio	Lower	Upper
122	100		
107	115.5	92.9	139.3
121	51.2	45.0	67.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#28

bis(2-Chloroethoxy)methane

Concen: 3.748 ng

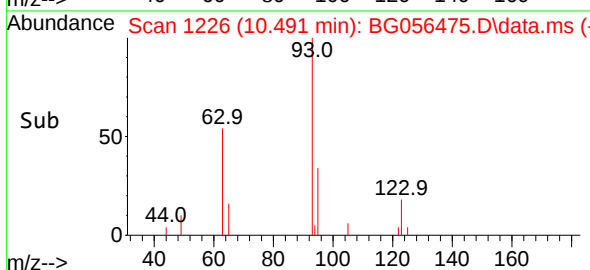
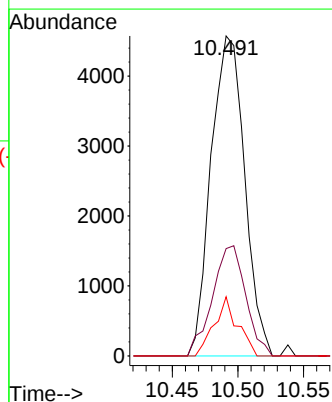
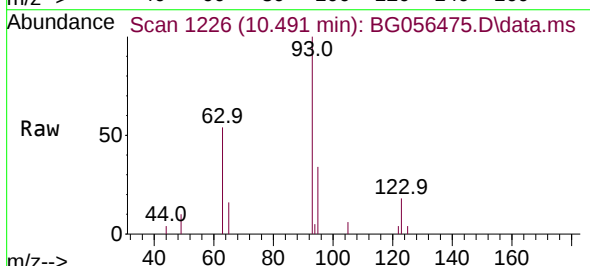
RT: 10.491 min Scan# 1226

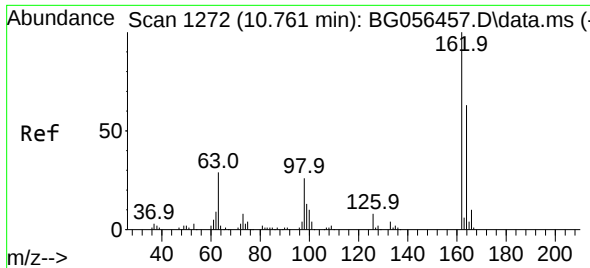
Delta R.T. -0.005 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

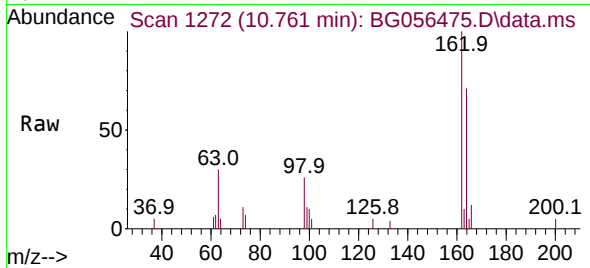
Tgt Ion:	93	Resp:	8153
Ion	Ratio	Lower	Upper
93	100		
95	33.6	27.9	41.9
123	18.5	8.6	12.8





#29
2,4-Dichlorophenol
Concen: 3.382 ng
RT: 10.761 min Scan# 1272
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

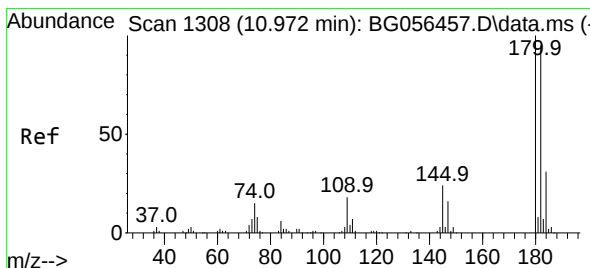
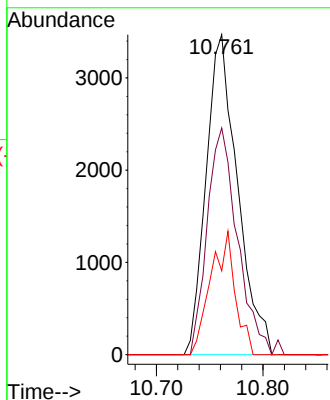
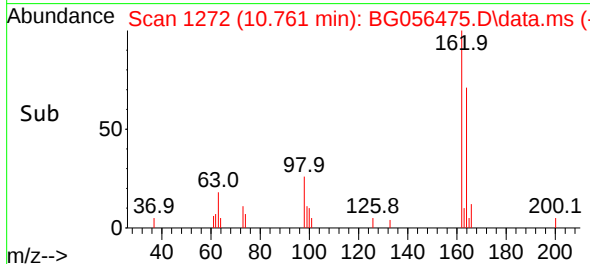
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



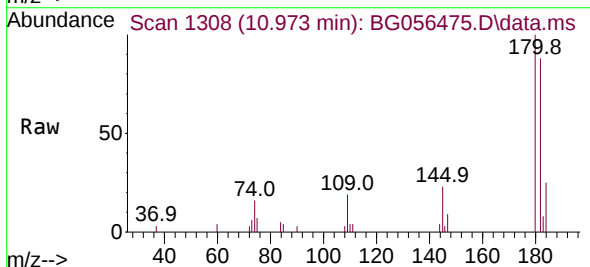
Tgt Ion:162 Resp: 7118
Ion Ratio Lower Upper
162 100
164 70.8 42.8 82.8
98 26.2 6.5 46.5

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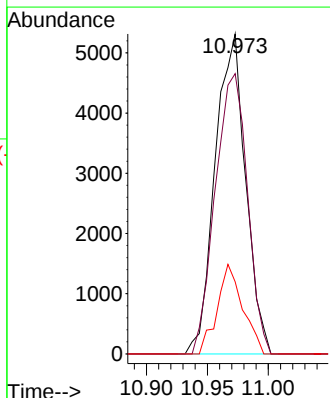
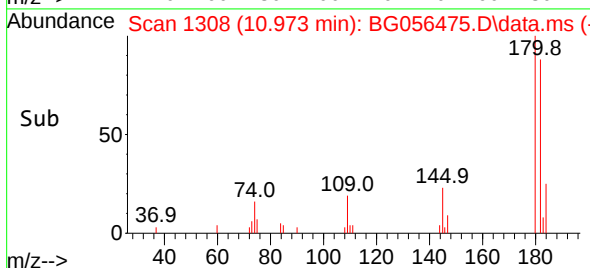
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

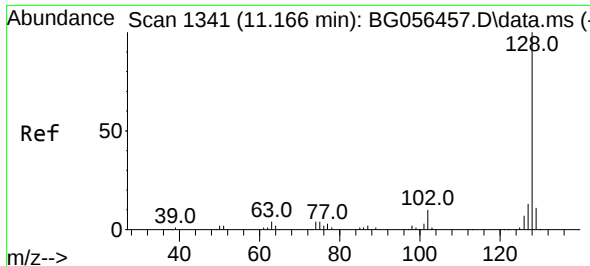


#30
1,2,4-Trichlorobenzene
Concen: 3.959 ng
RT: 10.973 min Scan# 1308
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



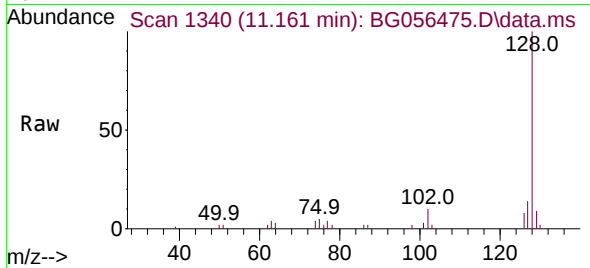
Tgt Ion:180 Resp: 9257
Ion Ratio Lower Upper
180 100
182 87.6 75.9 113.9
145 25.8 19.4 29.0





#31
Naphthalene
Concen: 3.781 ng
RT: 11.161 min Scan# 1341
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

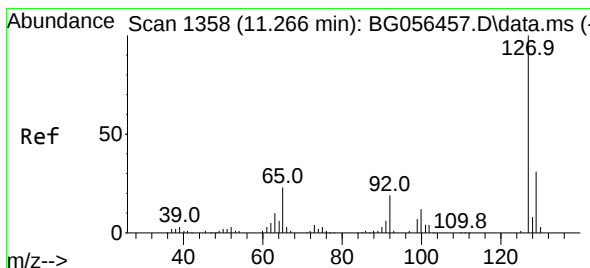
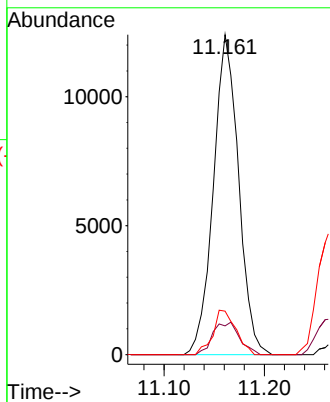
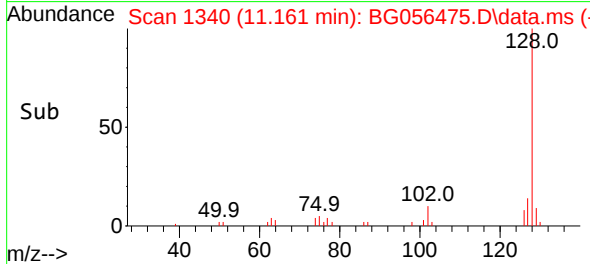
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



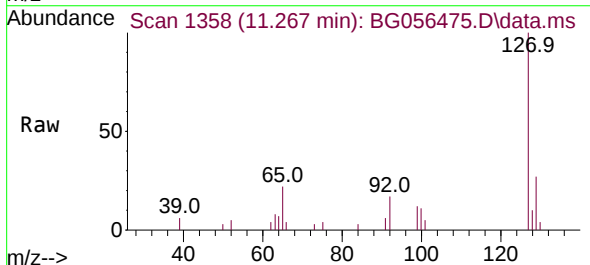
Tgt Ion:128 Resp: 21628
Ion Ratio Lower Upper
128 100
129 9.0 8.7 13.1
127 13.6 10.4 15.6

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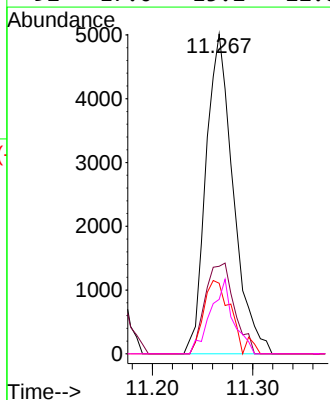
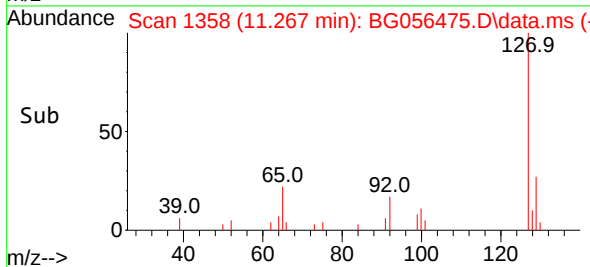
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

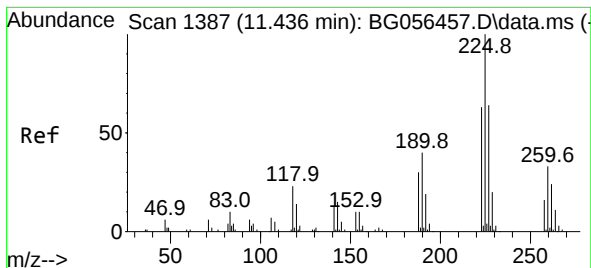


#33
4-Chloroaniline
Concen: 3.545 ng
RT: 11.267 min Scan# 1358
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



Tgt Ion:127 Resp: 9467
Ion Ratio Lower Upper
127 100
129 27.4 25.0 37.6
65 22.0 18.5 27.7
92 17.0 15.2 22.8





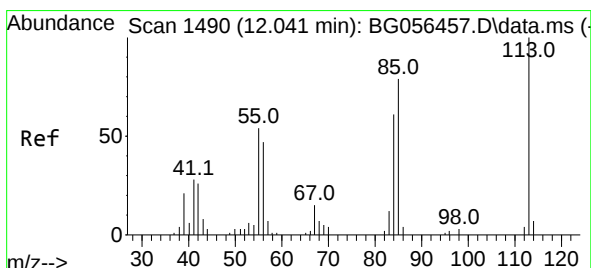
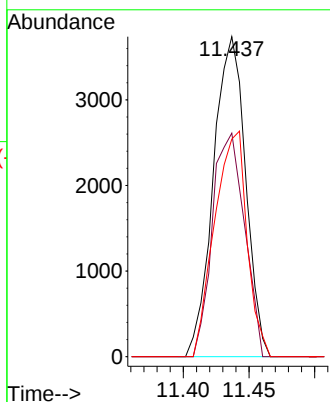
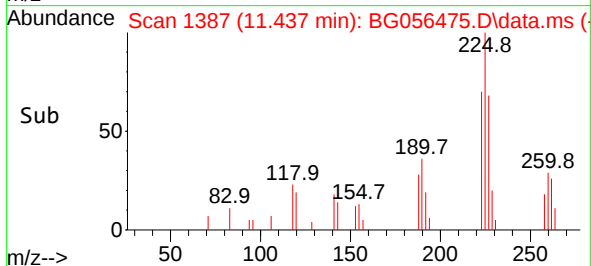
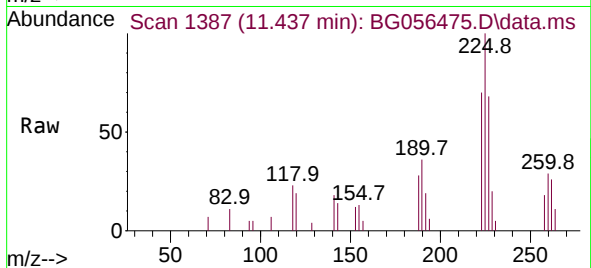
#34
Hexachlorobutadiene
Concen: 3.881 ng
RT: 11.437 min Scan# 1482
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

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

Tgt Ion:225 Resp: 637
Ion Ratio Lower Upper
225 100
223 69.8 50.6 75.8
227 68.0 53.7 80.5

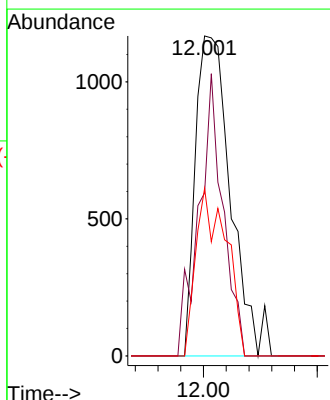
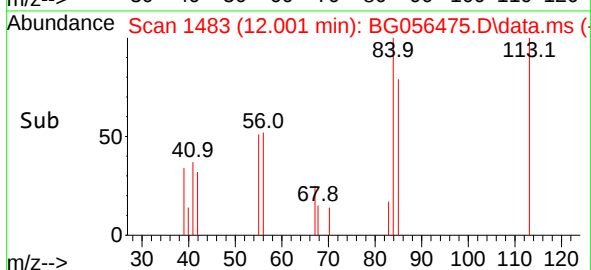
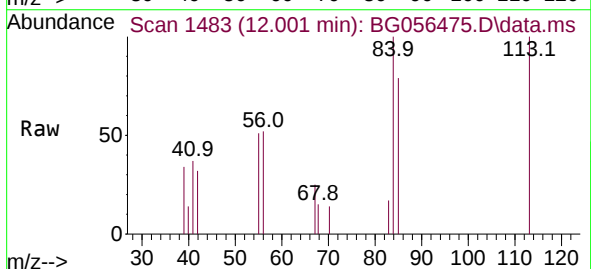
Manual Integrations
APPROVED

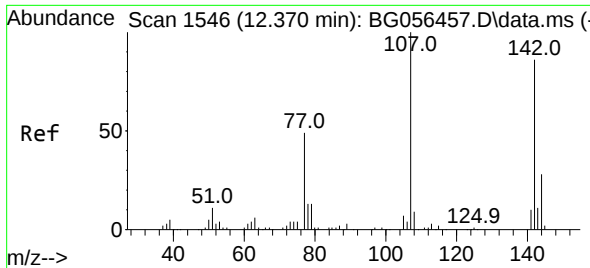
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#35
Caprolactam
Concen: 3.542 ng
RT: 12.001 min Scan# 1483
Delta R.T. -0.040 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

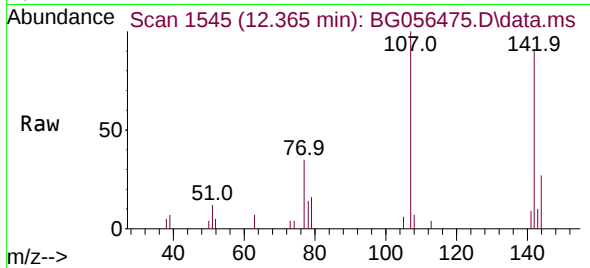
Tgt Ion:113 Resp: 2514
Ion Ratio Lower Upper
113 100
55 50.9 33.7 73.7
56 52.3 27.1 67.1





#36
4-Chloro-3-methylphenol
Concen: 3.670 ng
RT: 12.365 min Scan# 1546
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

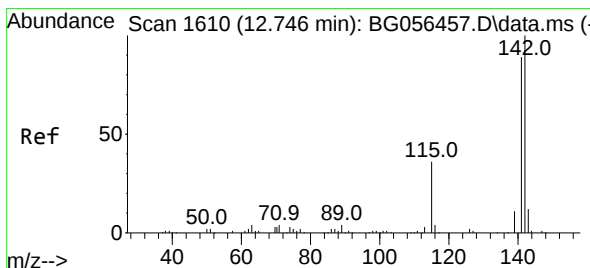
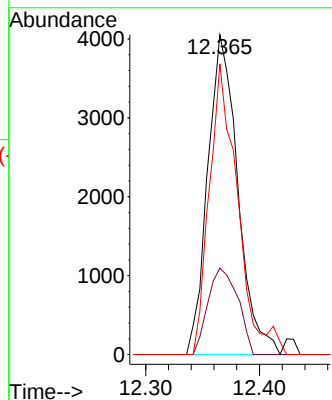
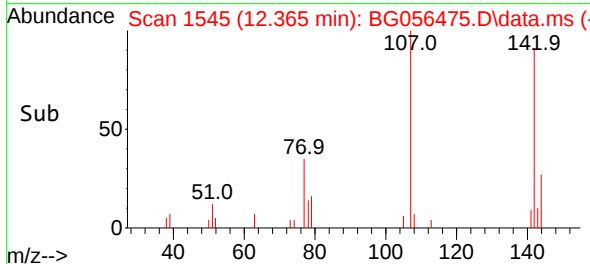
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



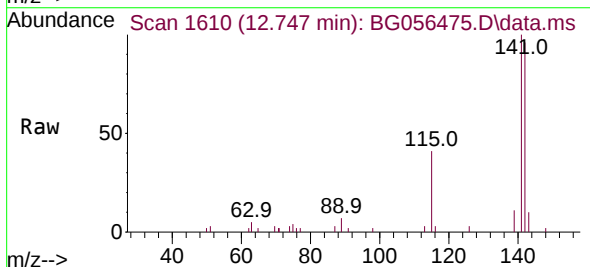
Tgt Ion:107 Resp: 7458
Ion Ratio Lower Upper
107 100
144 27.0 22.3 33.5
142 90.9 68.9 103.3

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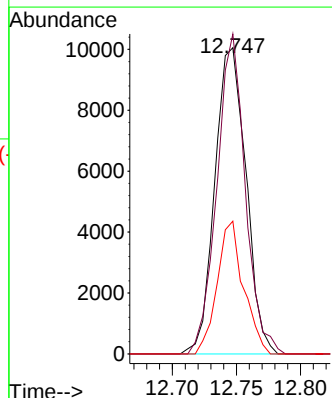
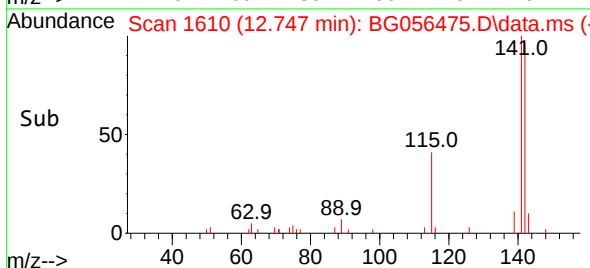
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

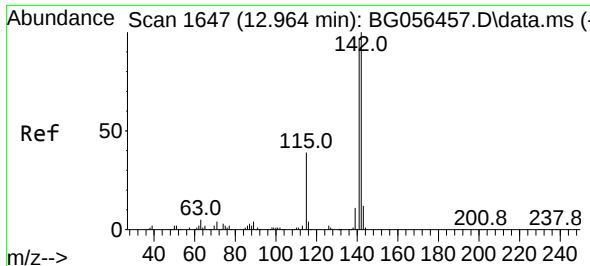


#37
2-Methylnaphthalene
Concen: 3.616 ng m
RT: 12.747 min Scan# 1610
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



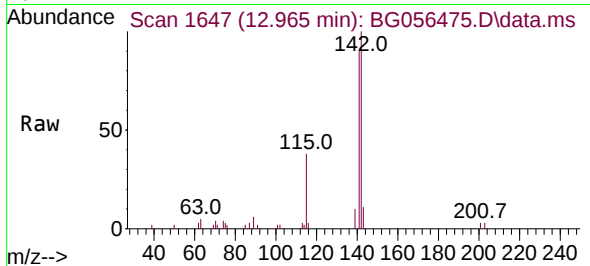
Tgt Ion:142 Resp: 17055
Ion Ratio Lower Upper
142 100
141 104.5 71.4 107.0
115 43.3 28.4 42.6#





#38
1-Methylnaphthalene
Concen: 3.719 ng m
RT: 12.965 min Scan# 1647
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

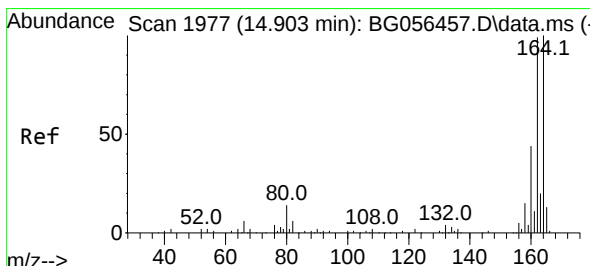
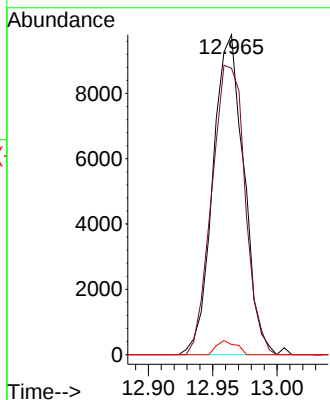
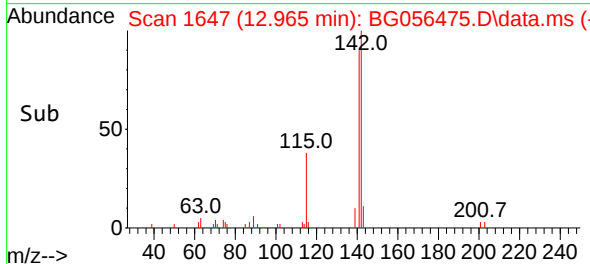
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



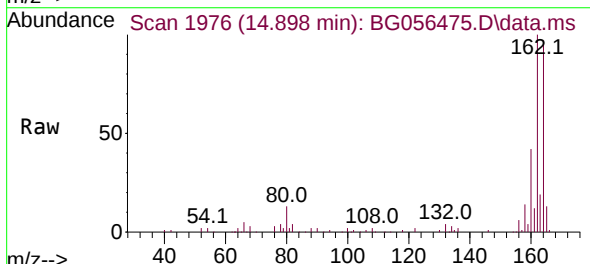
Tgt Ion:142 Resp: 1638
Ion Ratio Lower Upper
142 100
141 89.5 77.7 116.5
116 3.2 3.4 5.2

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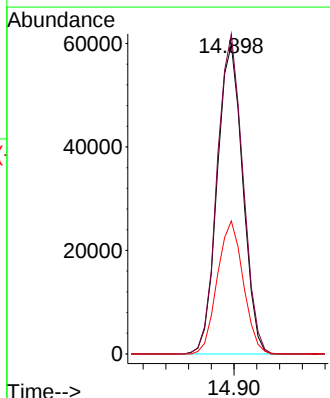
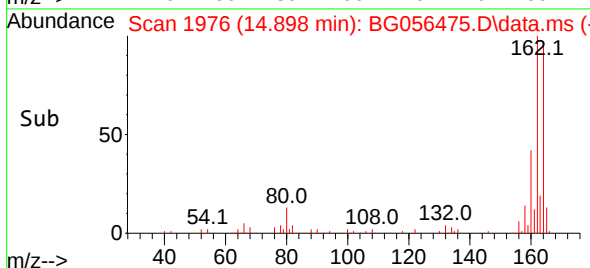
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

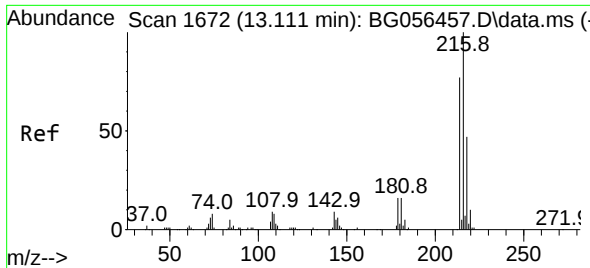


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.898 min Scan# 1976
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



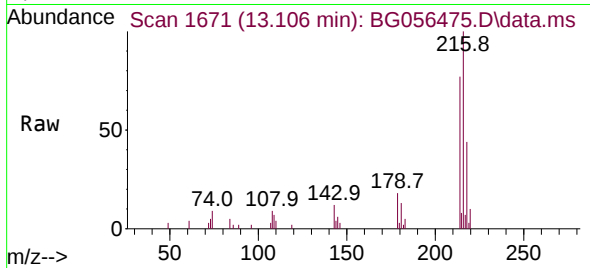
Tgt Ion:164 Resp: 92980
Ion Ratio Lower Upper
164 100
162 103.5 79.6 119.4
160 43.0 34.9 52.3





#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.975 ng
RT: 13.106 min Scan# 1672
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

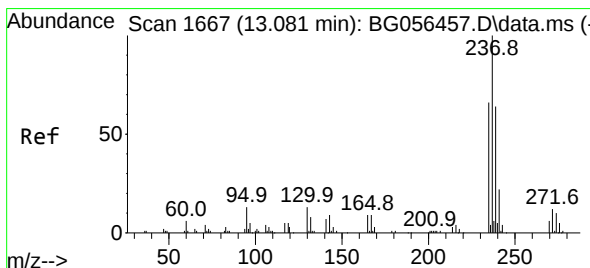
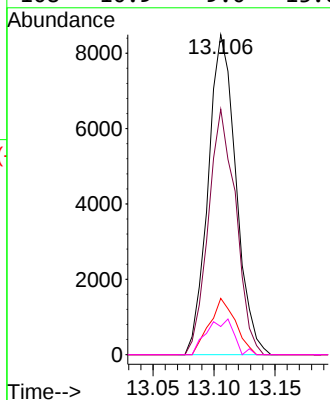
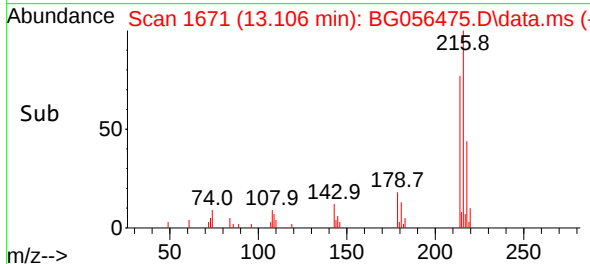
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



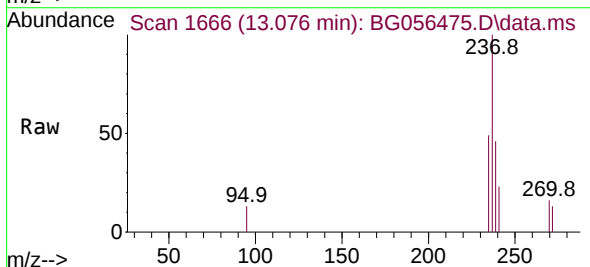
Tgt Ion:216 Resp: 13503
Ion Ratio Lower Upper
216 100
214 75.5 63.0 94.6
179 16.4 14.1 21.1
108 10.9 9.0 13.6

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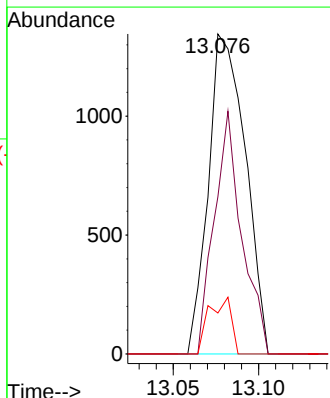
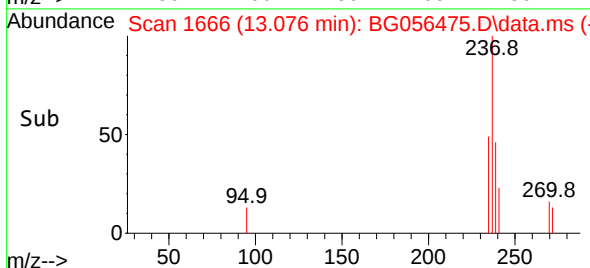
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

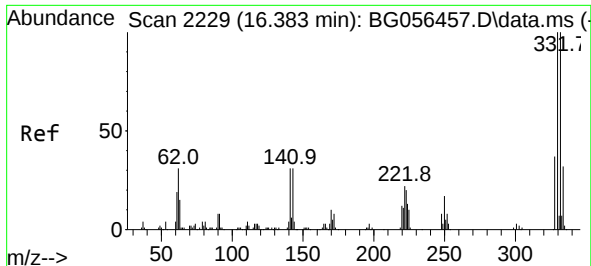


#41
Hexachlorocyclopentadiene
Concen: 7.410 ng
RT: 13.076 min Scan# 1666
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



Tgt Ion:237 Resp: 2031
Ion Ratio Lower Upper
237 100
235 49.1 45.6 85.6
272 12.8 0.0 32.3





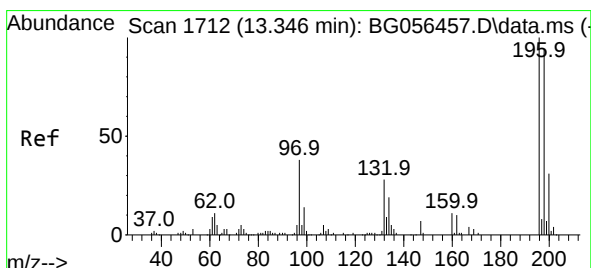
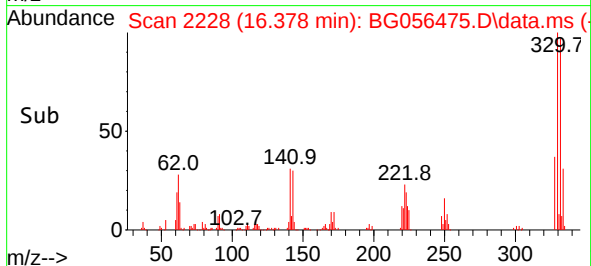
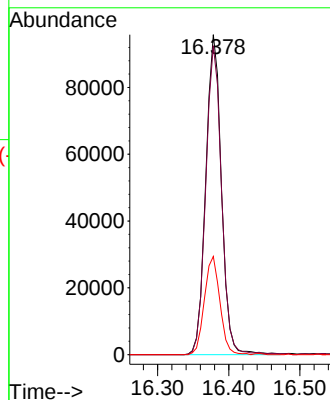
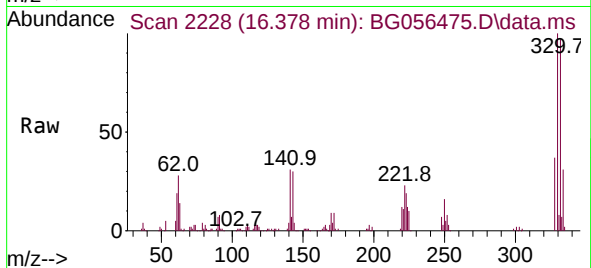
#42
2,4,6-Tribromophenol
Concen: 117.957 ng
RT: 16.378 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

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

Tgt Ion:330 Resp: 145808
Ion Ratio Lower Upper
330 100
332 97.4 79.0 118.6
141 30.4 24.2 36.4

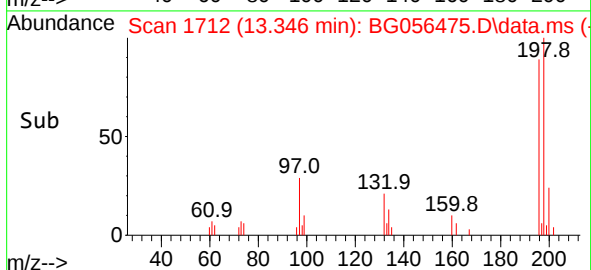
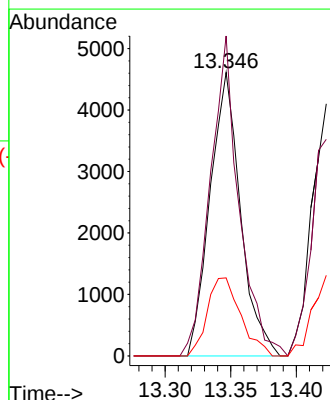
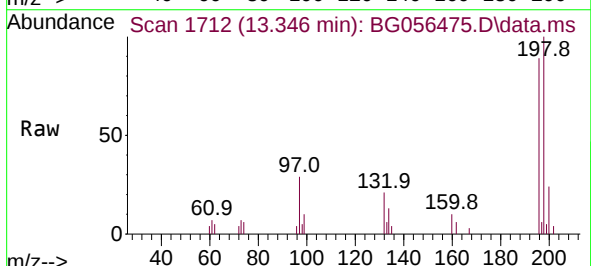
Manual Integrations
APPROVED

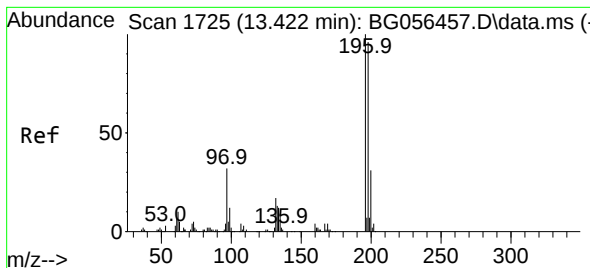
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#43
2,4,6-Trichlorophenol
Concen: 3.400 ng
RT: 13.346 min Scan# 1712
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:196 Resp: 7443
Ion Ratio Lower Upper
196 100
198 112.9 75.4 113.0
200 27.5 25.0 37.6





#44

2,4,5-Trichlorophenol

Concen: 3.321 ng

RT: 13.423 min Scan# 1725

Delta R.T. 0.001 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

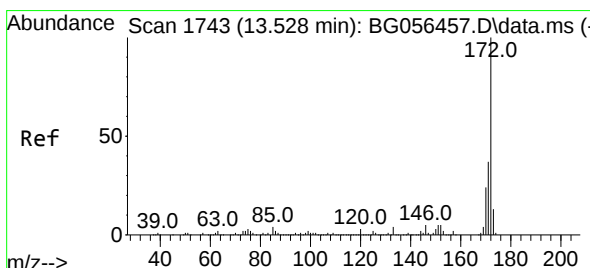
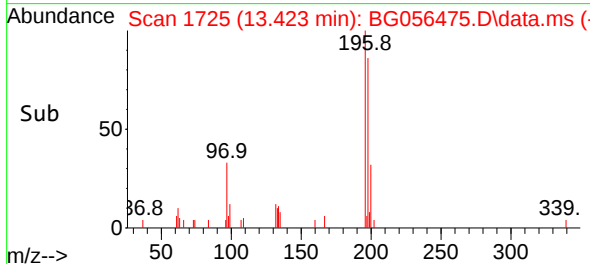
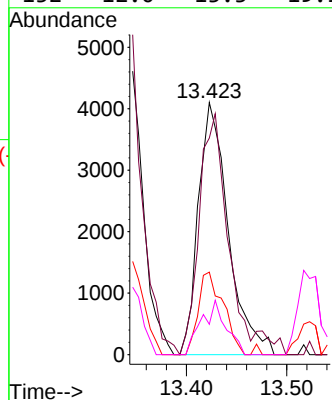
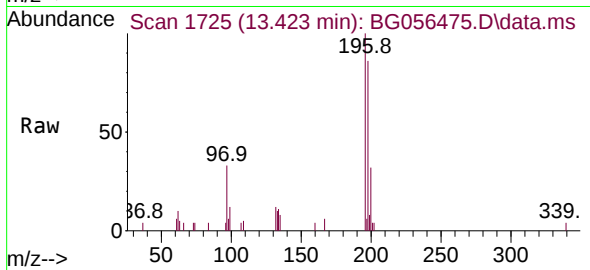
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:	196	Resp:	8512
Ion Ratio	Lower	Upper	
196	100		
198	85.9	76.9	115.3
97	32.7	25.8	38.6
132	12.0	13.3	19.9#

Manual Integrations

APPROVED

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



#45

2-Fluorobiphenyl

Concen: 75.652 ng

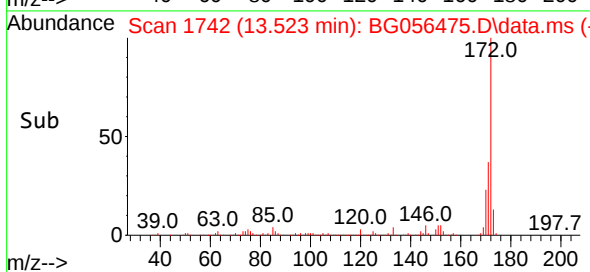
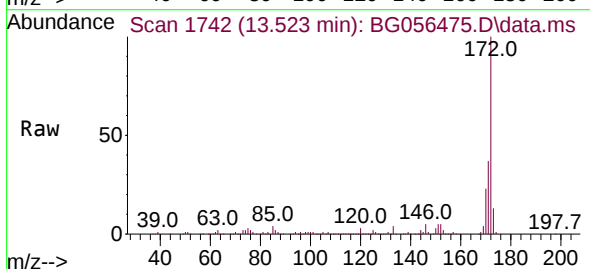
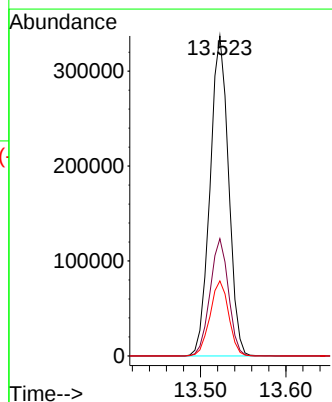
RT: 13.523 min Scan# 1742

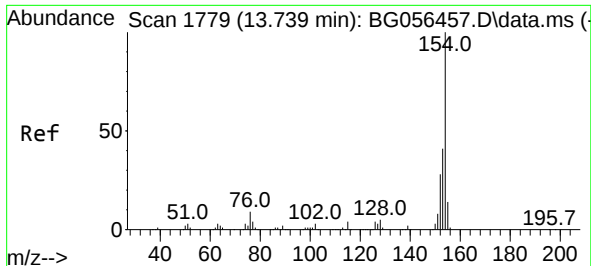
Delta R.T. -0.005 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

Tgt Ion:	172	Resp:	507357
Ion Ratio	Lower	Upper	
172	100		
171	36.6	29.5	44.3
170	23.4	19.2	28.8





#46

1,1'-Biphenyl

Concen: 3.911 ng

RT: 13.734 min Scan# 1778

Delta R.T. -0.005 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

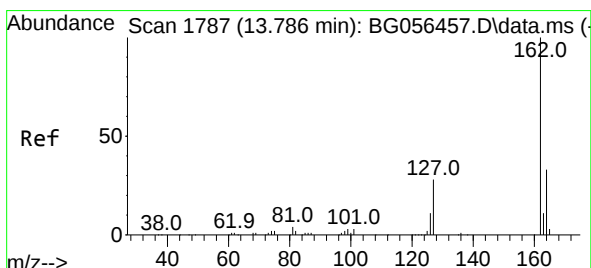
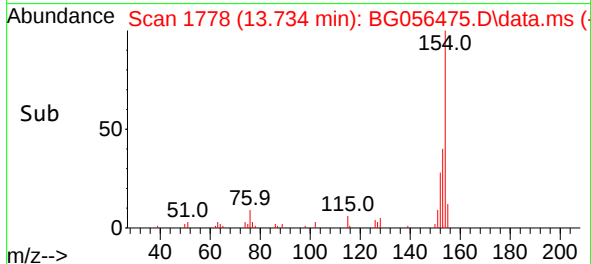
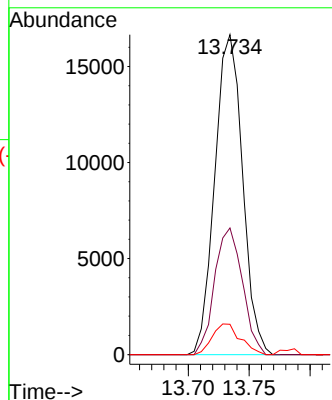
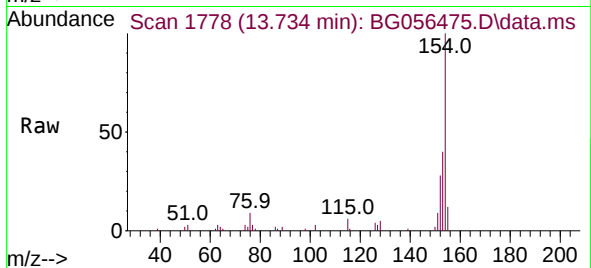
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:154	Resp:	26376
Ion Ratio	Lower	Upper
154	100	
153	39.6	21.5 61.5
76	9.5	0.0 28.8

Manual Integrations

APPROVED

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



#47

2-Chloronaphthalene

Concen: 3.965 ng

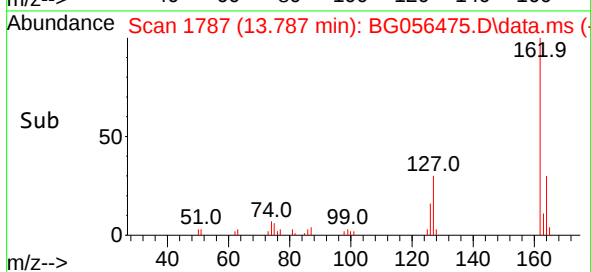
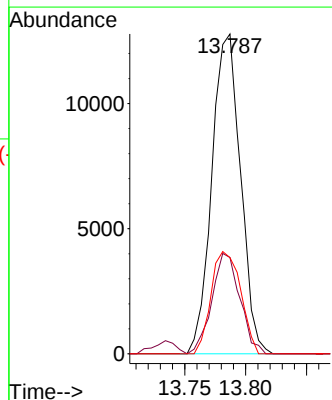
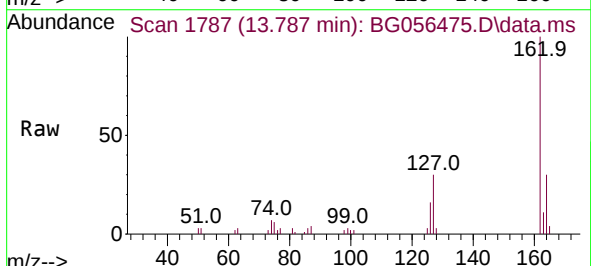
RT: 13.787 min Scan# 1787

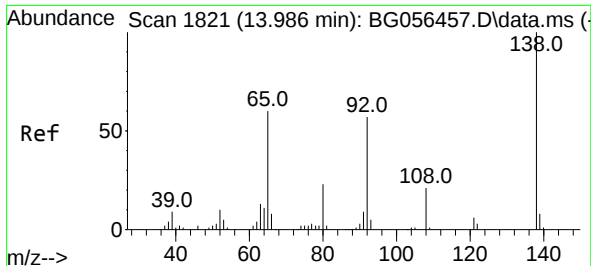
Delta R.T. 0.001 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

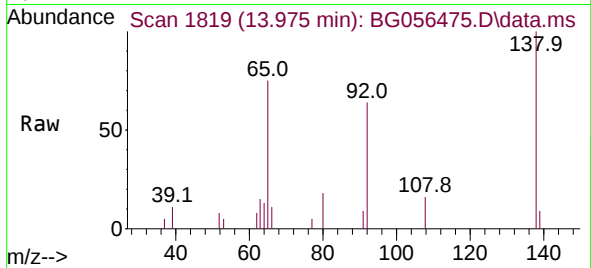
Tgt Ion:162	Resp:	20903
Ion Ratio	Lower	Upper
162	100	
127	30.1	25.2 37.8
164	30.1	26.2 39.2





#48
2-Nitroaniline
Concen: 3.383 ng
RT: 13.975 min Scan# 1819
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

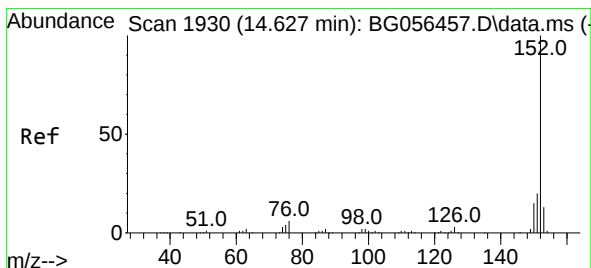
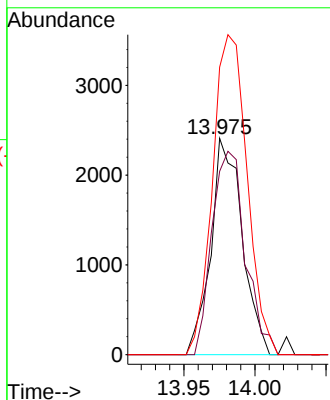
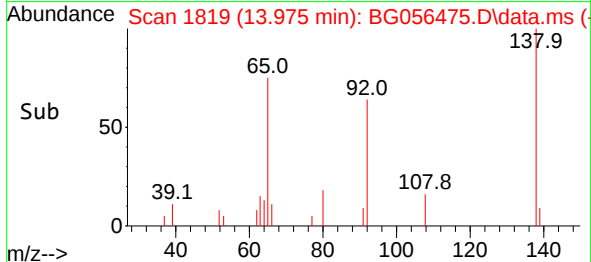
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



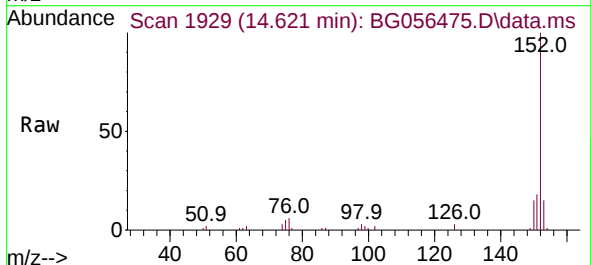
Tgt Ion: 65 Resp: 3686
Ion Ratio Lower Upper
65 100
92 84.8 75.8 113.6
138 133.0 133.2 199.8

Manual Integrations
APPROVED

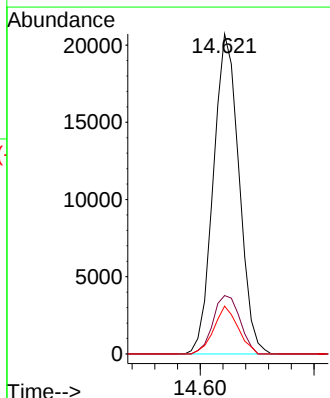
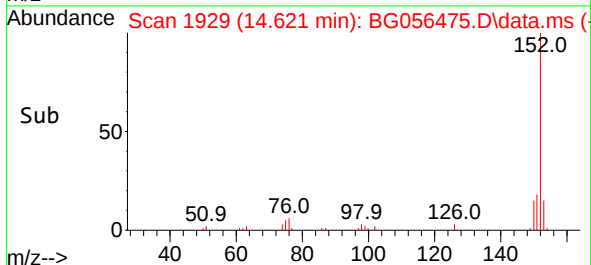
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

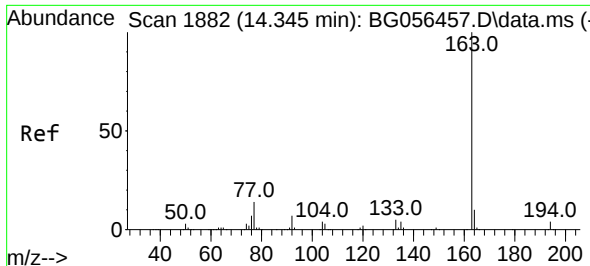


#49
Acenaphthylene
Concen: 3.776 ng
RT: 14.621 min Scan# 1929
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



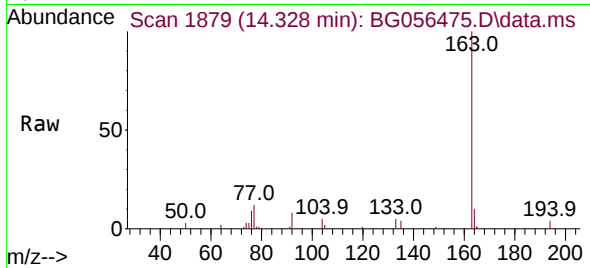
Tgt Ion:152 Resp: 32383
Ion Ratio Lower Upper
152 100
151 18.2 15.9 23.9
153 14.9 10.5 15.7





#50
Dimethylphthalate
Concen: 3.842 ng
RT: 14.328 min Scan# 1882
Delta R.T. -0.017 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

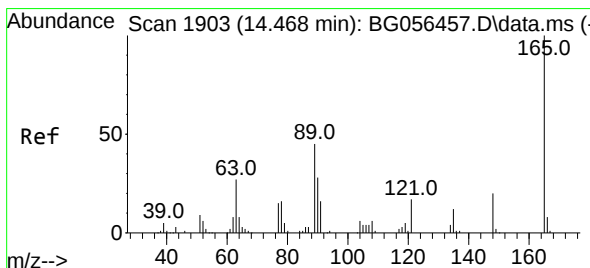
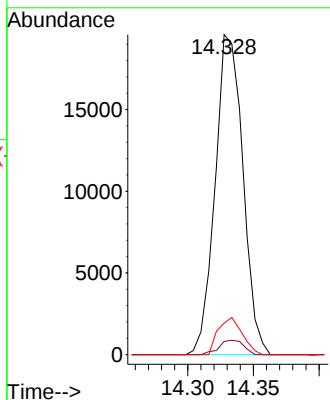
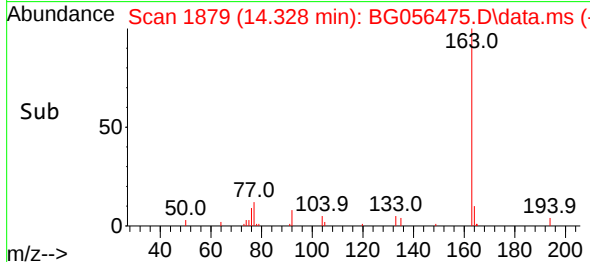
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



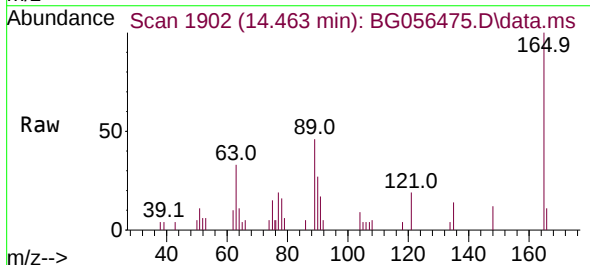
Tgt Ion:163 Resp: 28899
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 9.8 8.1 12.1

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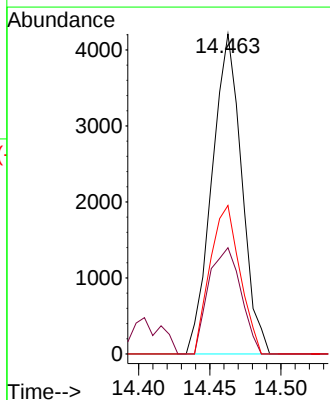
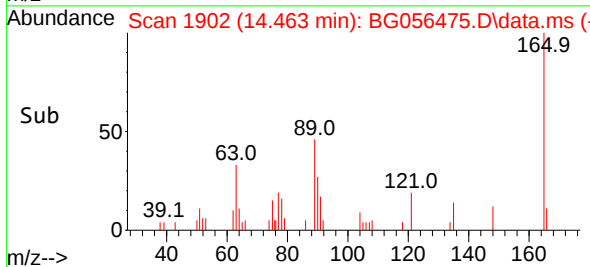
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

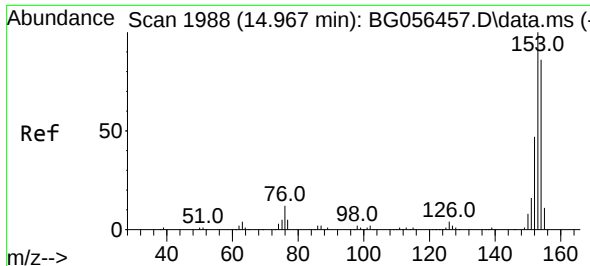


#51
2,6-Dinitrotoluene
Concen: 3.745 ng
RT: 14.463 min Scan# 1902
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



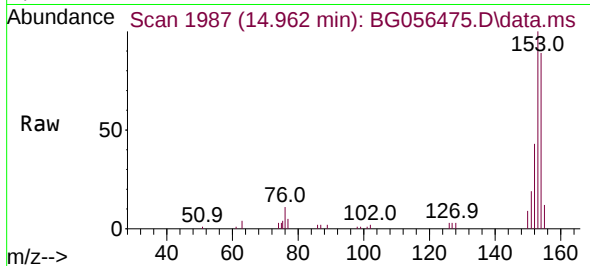
Tgt Ion:165 Resp: 6144
Ion Ratio Lower Upper
165 100
63 33.2 26.9 40.3
89 46.4 35.6 53.4





#52
Acenaphthene
Concen: 3.814 ng
RT: 14.962 min Scan# 1987
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

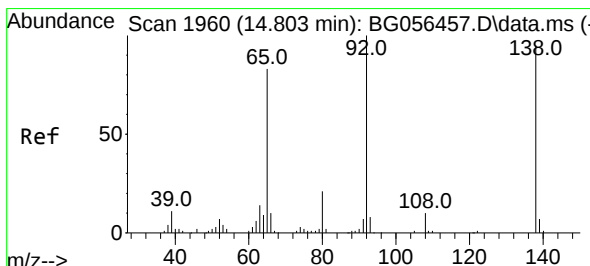
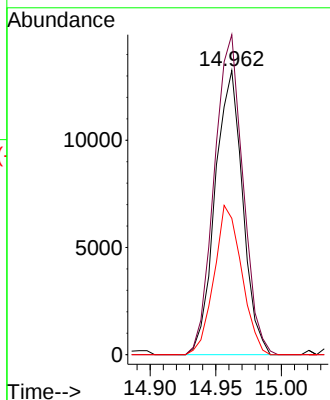
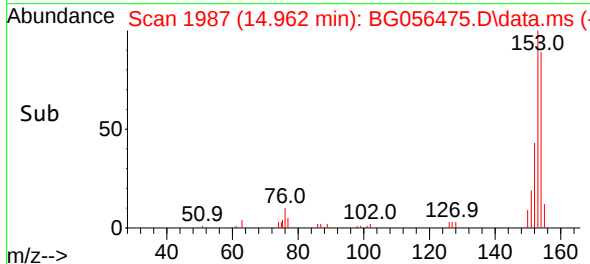
Instrument : BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



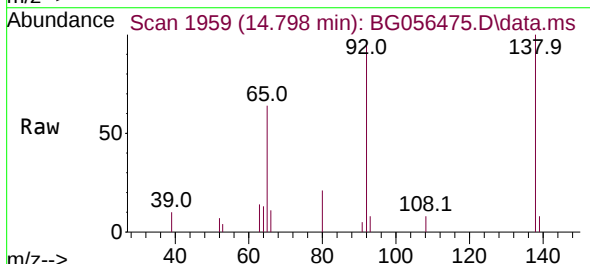
Tgt Ion:154 Resp: 19396
Ion Ratio Lower Upper
154 100
153 112.6 93.4 140.0
152 48.0 43.4 65.2

Manual Integrations
APPROVED

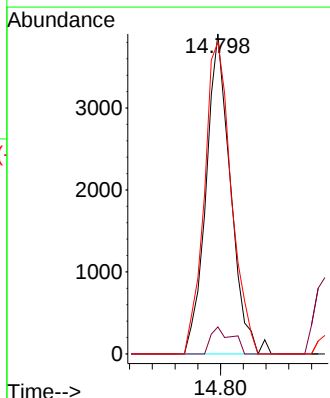
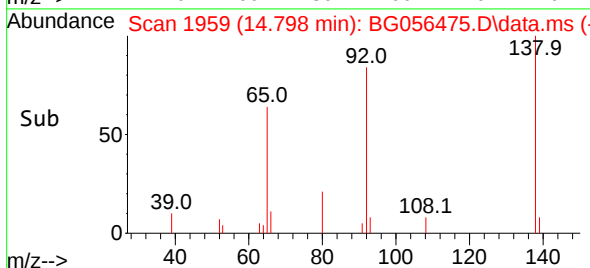
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

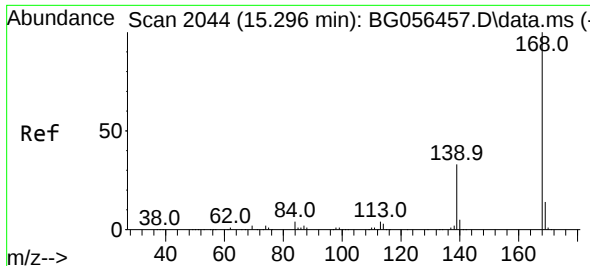


#53
3-Nitroaniline
Concen: 3.670 ng
RT: 14.798 min Scan# 1959
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



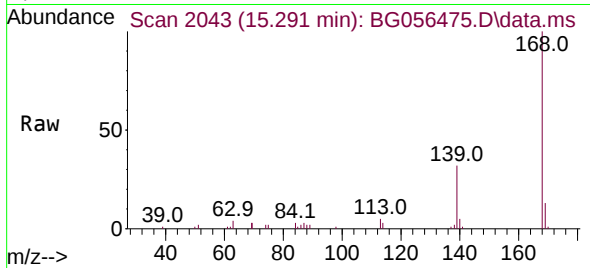
Tgt Ion:138 Resp: 5837
Ion Ratio Lower Upper
138 100
108 8.5 8.0 12.0
92 97.4 84.1 126.1





#55
Dibenzofuran
Concen: 3.888 ng
RT: 15.291 min Scan# 2044
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

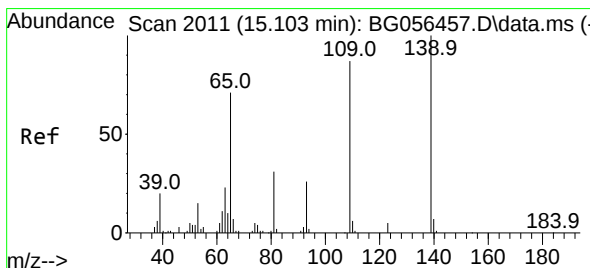
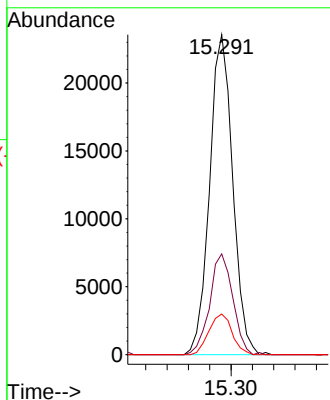
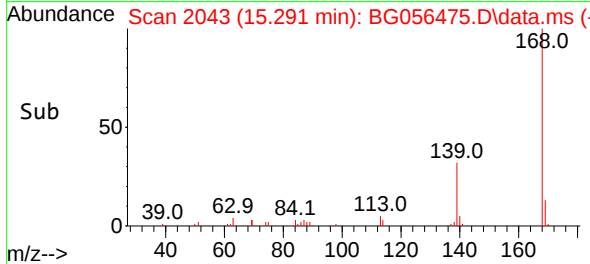
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:168 Resp: 35462
Ion Ratio Lower Upper
168 100
139 31.5 26.2 39.2
169 12.7 11.0 16.6

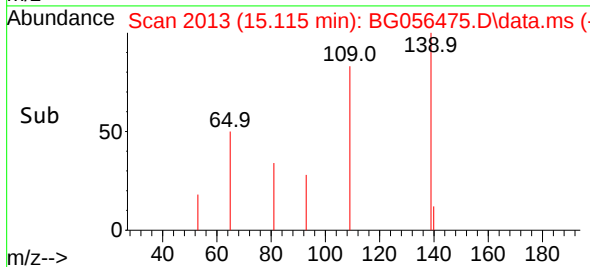
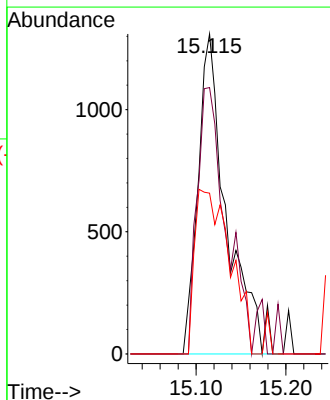
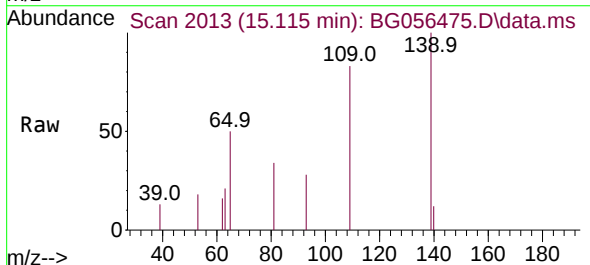
Manual Integrations
APPROVED

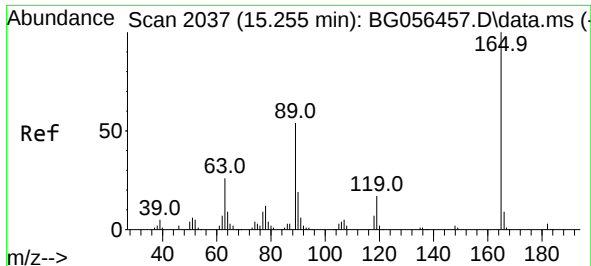
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#56
4-Nitrophenol
Concen: 2.674 ng
RT: 15.115 min Scan# 2013
Delta R.T. 0.012 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

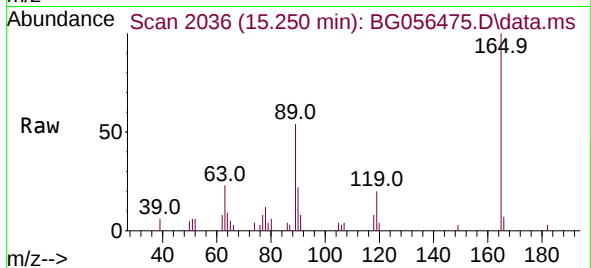
Tgt Ion:139 Resp: 2906
Ion Ratio Lower Upper
139 100
109 83.2 67.5 107.5
65 50.2 50.7 90.7#





#57
2,4-Dinitrotoluene
Concen: 3.851 ng
RT: 15.250 min Scan# 2037
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

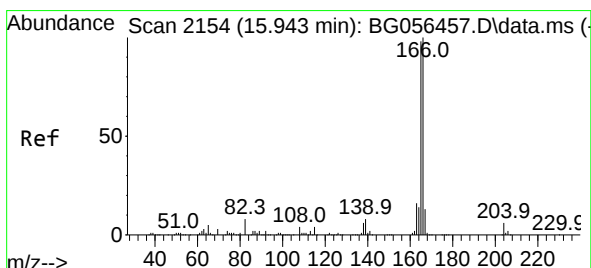
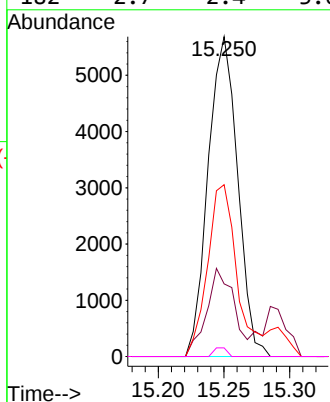
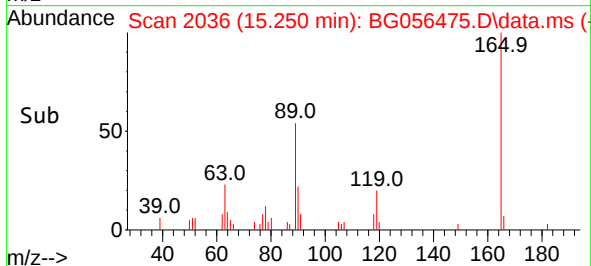
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



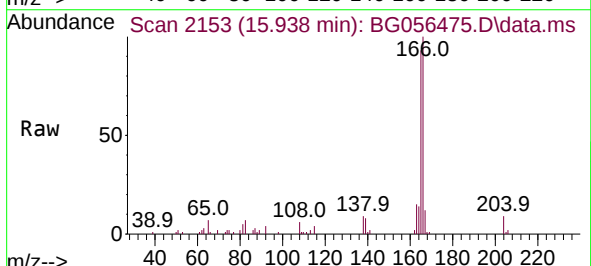
Tgt Ion:165 Resp: 8898
Ion Ratio Lower Upper
165 100
63 22.7 20.6 31.0
89 53.7 43.1 64.7
182 2.7 2.4 3.6

Manual Integrations
APPROVED

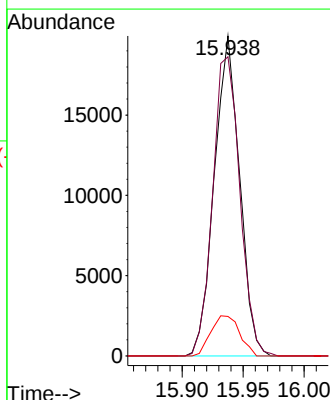
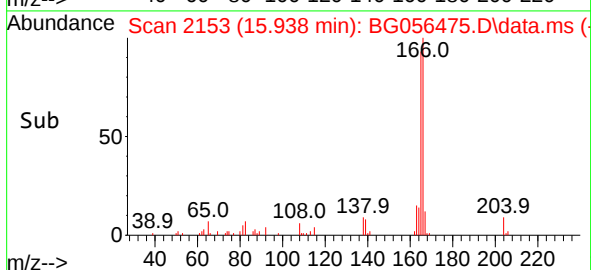
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

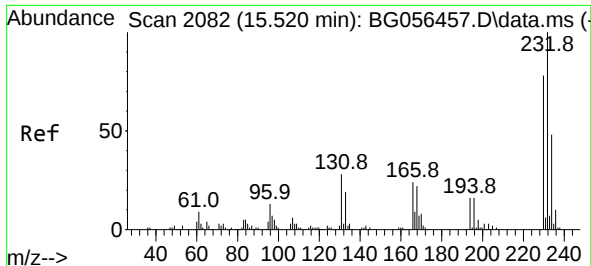


#58
Fluorene
Concen: 3.966 ng
RT: 15.938 min Scan# 2153
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



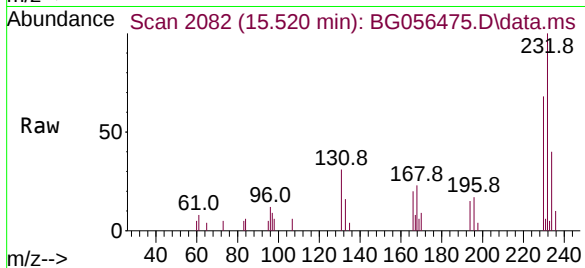
Tgt Ion:166 Resp: 28783
Ion Ratio Lower Upper
166 100
165 93.5 78.8 118.2
167 12.3 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.069 ng
RT: 15.520 min Scan# 2082
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

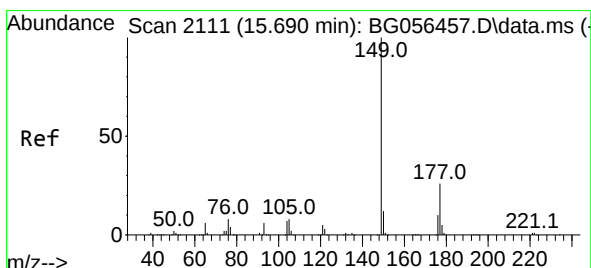
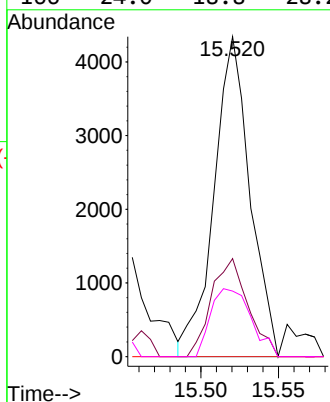
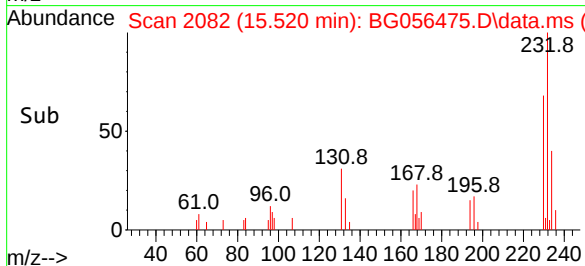
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



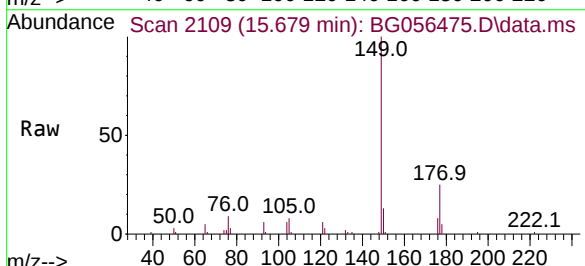
Tgt Ion:232 Resp: 6994
Ion Ratio Lower Upper
232 100
131 31.4 22.8 34.2
130 0.0 1.4 2.0
166 24.0 18.8 28.2

Manual Integrations
APPROVED

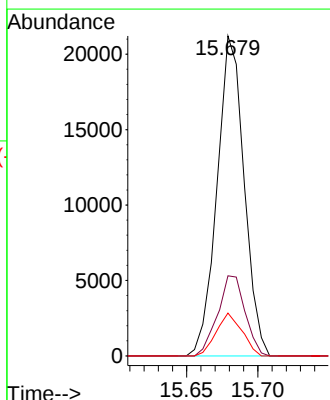
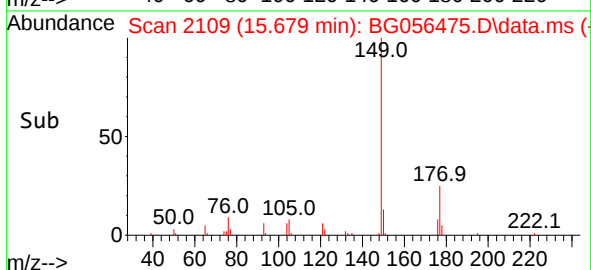
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

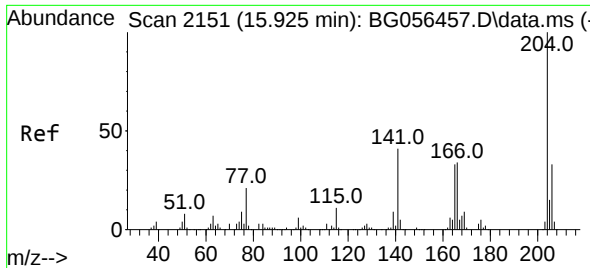


#60
Diethylphthalate
Concen: 3.976 ng
RT: 15.679 min Scan# 2109
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



Tgt Ion:149 Resp: 28083
Ion Ratio Lower Upper
149 100
177 25.0 21.0 31.4
150 13.4 9.9 14.9





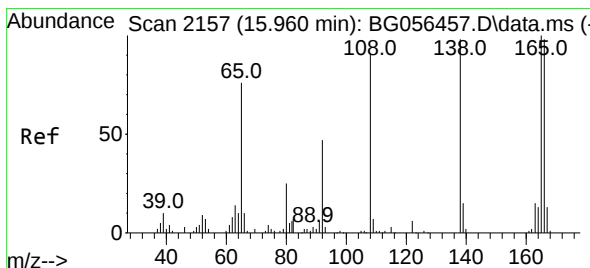
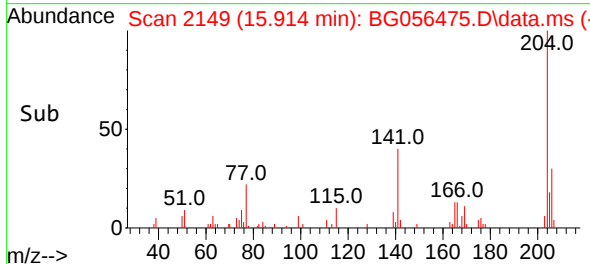
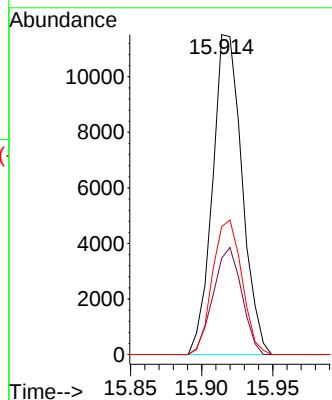
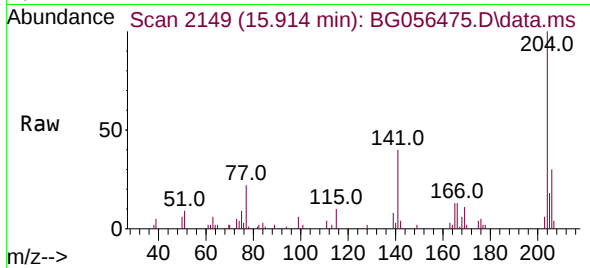
#61
4-Chlorophenyl-phenylether
Concen: 3.760 ng
RT: 15.914 min Scan# 2149
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

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

Tgt Ion:204 Resp: 1665
Ion Ratio Lower Upper
204 100
206 30.1 26.2 39.4
141 39.9 32.7 49.1

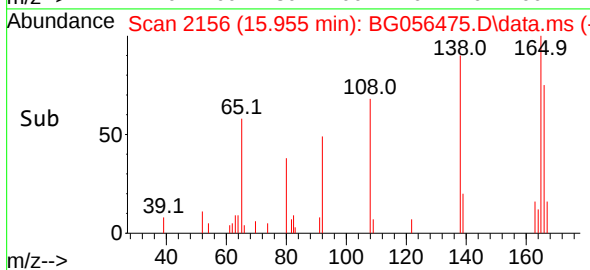
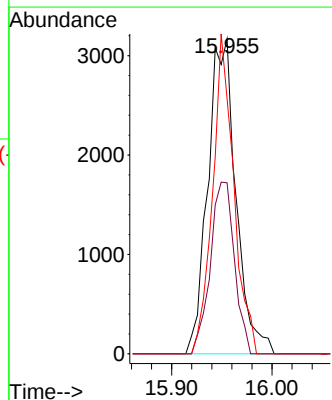
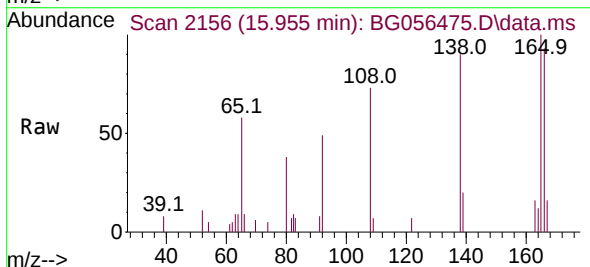
Manual Integrations
APPROVED

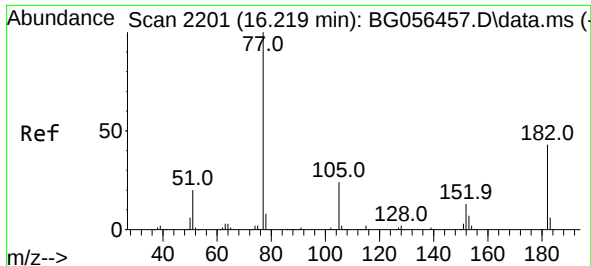
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#62
4-Nitroaniline
Concen: 3.877 ng
RT: 15.955 min Scan# 2156
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

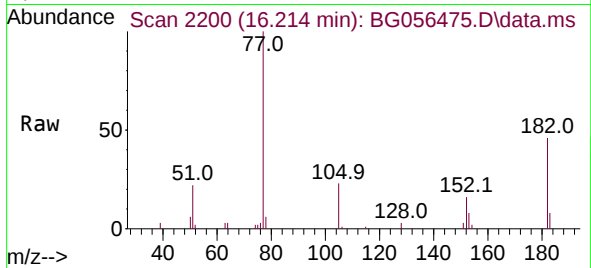
Tgt Ion:138 Resp: 6169
Ion Ratio Lower Upper
138 100
92 54.3 27.8 67.8
108 80.9 72.6 112.6





#63
Azobenzene
Concen: 3.971 ng
RT: 16.214 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

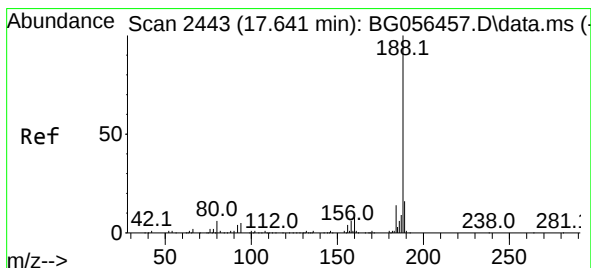
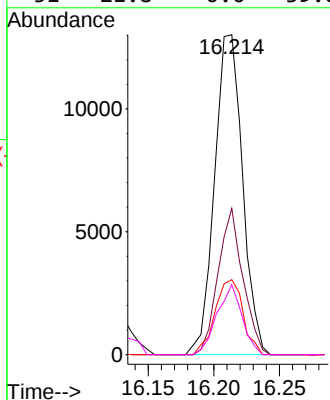
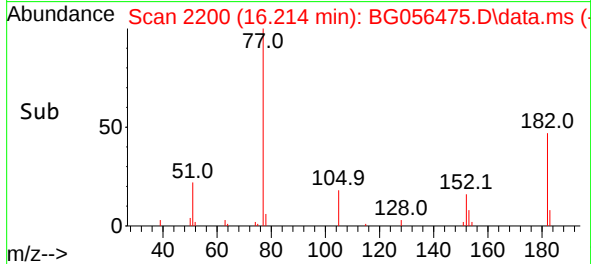
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



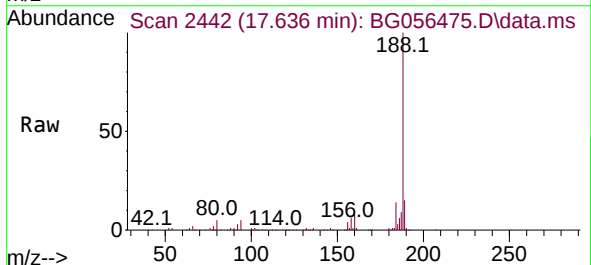
Tgt Ion: 77 Resp: 19299
Ion Ratio Lower Upper
77 100
182 45.7 23.1 63.1
105 23.4 4.2 44.2
51 21.8 0.0 39.8

Manual Integrations
APPROVED

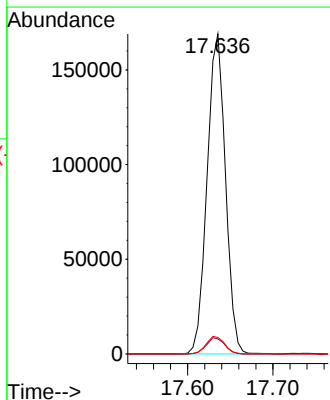
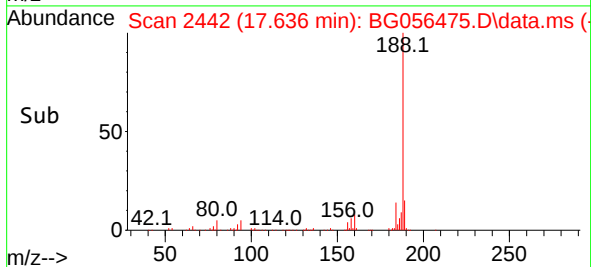
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

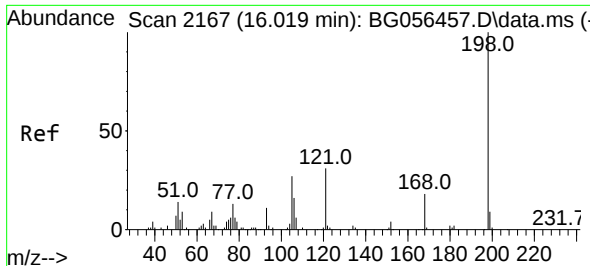


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.636 min Scan# 2442
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



Tgt Ion:188 Resp: 252372
Ion Ratio Lower Upper
188 100
94 4.7 4.1 6.1
80 5.1 5.0 7.4





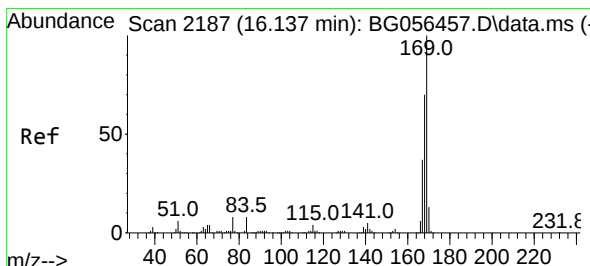
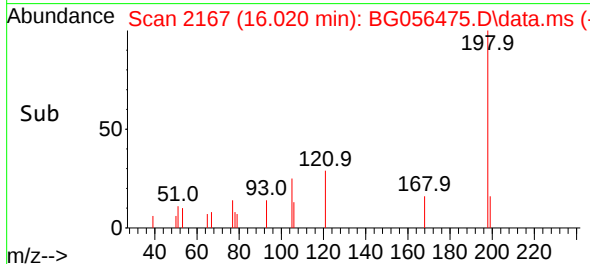
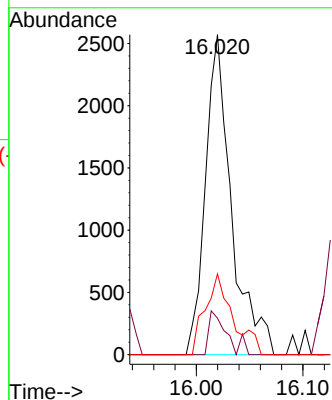
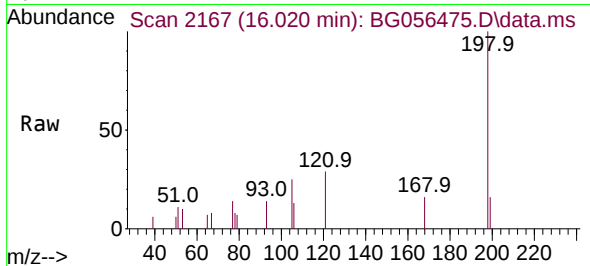
#65
4,6-Dinitro-2-methylphenol
Concen: 2.462 ng
RT: 16.020 min Scan# 2167
Delta R.T. 0.001 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

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

Tgt Ion:198 Resp: 4369
Ion Ratio Lower Upper
198 100
51 11.4 0.0 35.0
105 25.2 7.4 47.4

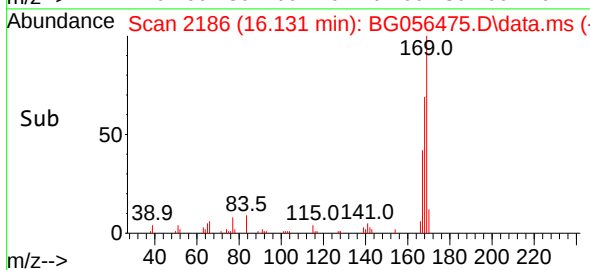
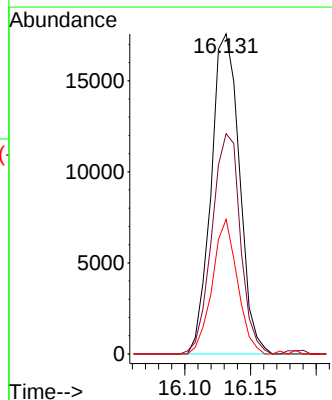
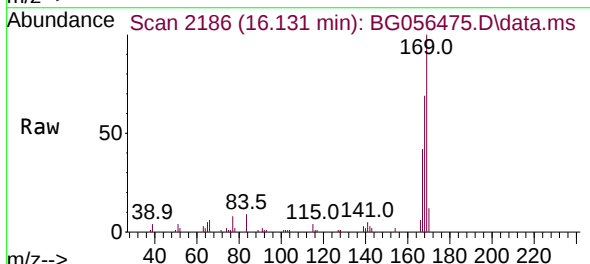
Manual Integrations
APPROVED

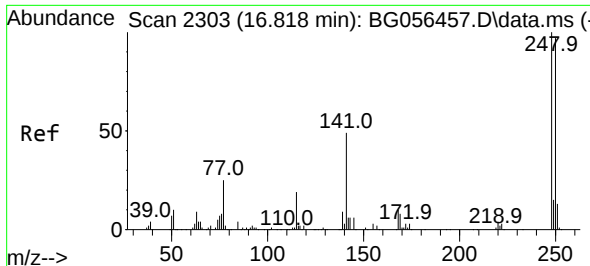
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#66
n-Nitrosodiphenylamine
Concen: 3.696 ng
RT: 16.131 min Scan# 2186
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

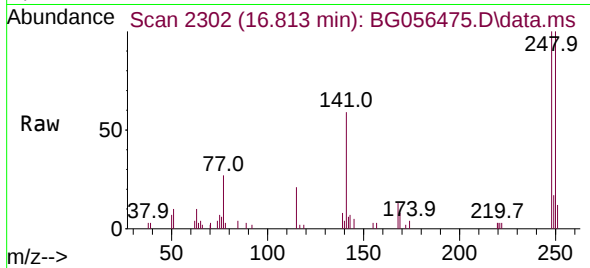
Tgt Ion:169 Resp: 26406
Ion Ratio Lower Upper
169 100
168 68.8 55.8 83.6
167 42.1 29.8 44.8





#67
4-Bromophenyl-phenylether
Concen: 3.646 ng
RT: 16.813 min Scan# 2303
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

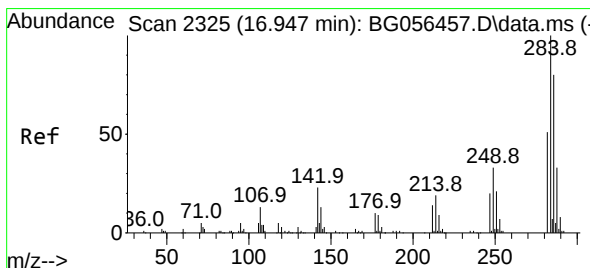
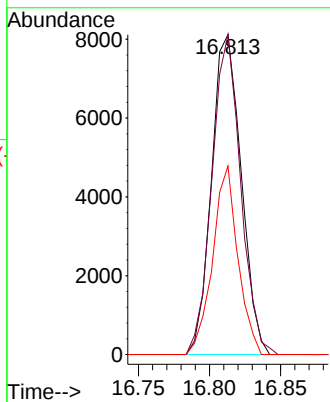
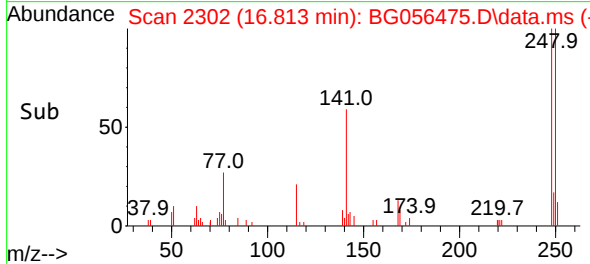
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



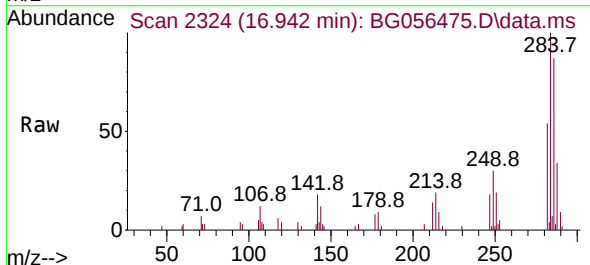
Tgt Ion:248 Resp: 11781
Ion Ratio Lower Upper
248 100
250 100.0 77.6 116.4
141 58.9 39.0 58.4

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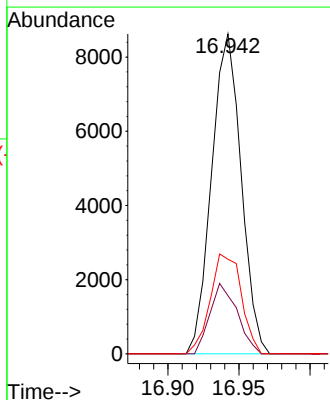
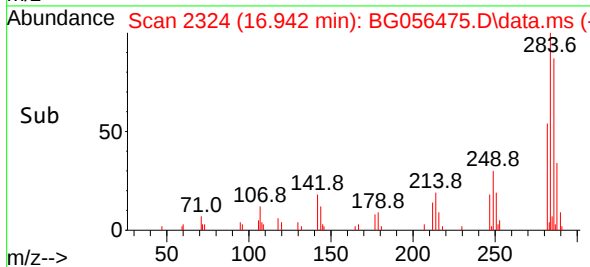
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

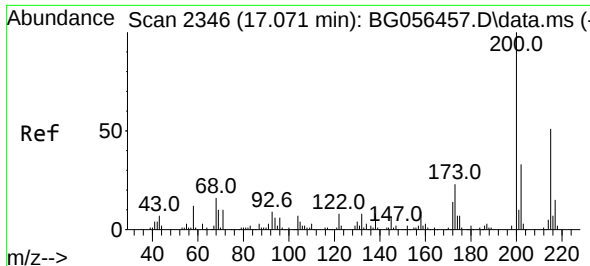


#68
Hexachlorobenzene
Concen: 3.942 ng
RT: 16.942 min Scan# 2324
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



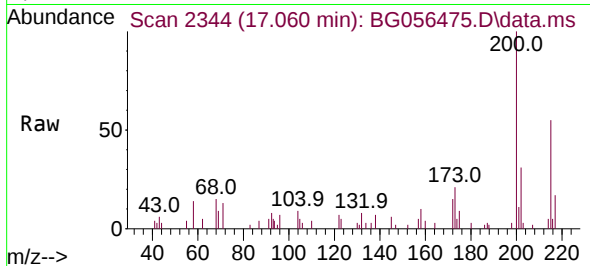
Tgt Ion:284 Resp: 12473
Ion Ratio Lower Upper
284 100
142 18.2 18.0 27.0
249 29.6 26.7 40.1





#69
 Atrazine
 Concen: 4.155 ng
 RT: 17.060 min Scan# 2344
 Delta R.T. -0.011 min
 Lab File: BG056475.D
 Acq: 30 Jan 2023 18:37

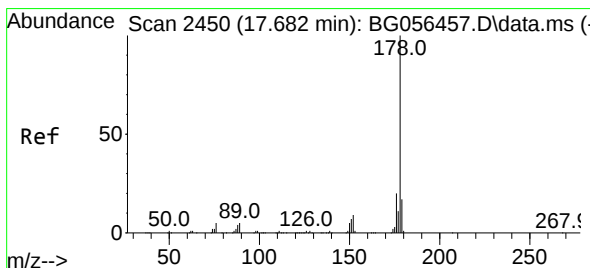
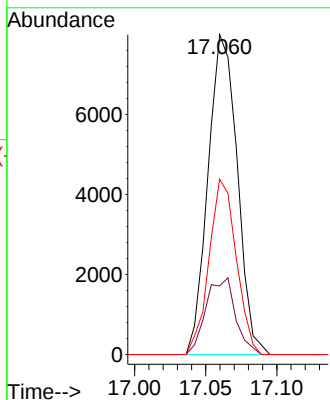
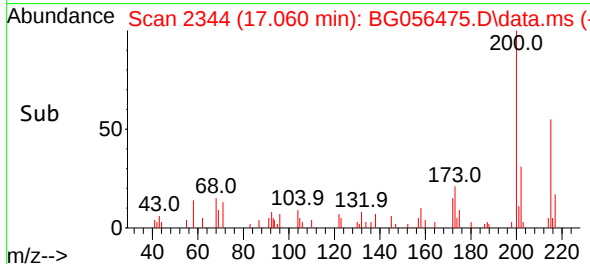
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022



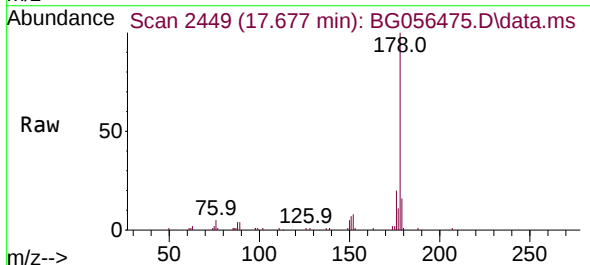
Tgt Ion:200 Resp: 1145
 Ion Ratio Lower Upper
 200 100
 173 21.4 3.2 43.2
 215 54.8 30.7 70.7

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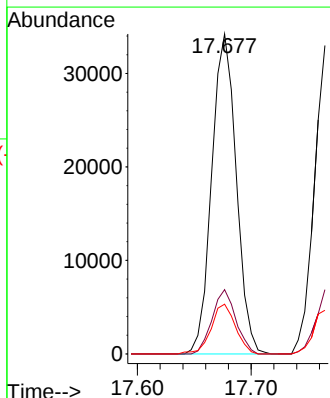
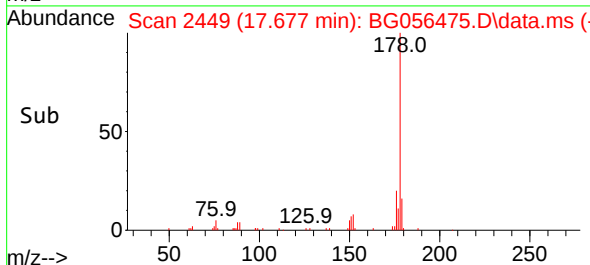
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023

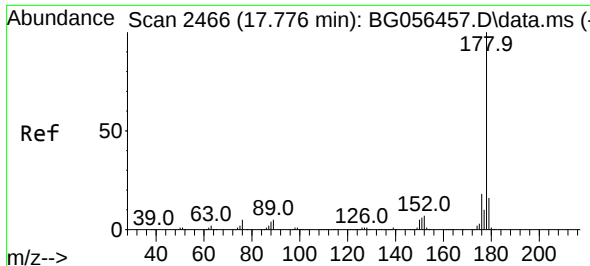


#71
 Phenanthrene
 Concen: 3.882 ng
 RT: 17.677 min Scan# 2449
 Delta R.T. -0.005 min
 Lab File: BG056475.D
 Acq: 30 Jan 2023 18:37



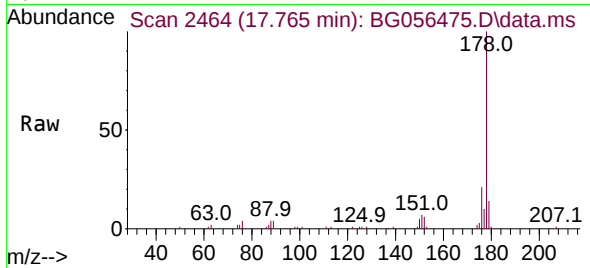
Tgt Ion:178 Resp: 51281
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.6 23.4
 179 15.5 13.3 19.9





#72
 Anthracene
 Concen: 3.813 ng
 RT: 17.765 min Scan# 2466
 Delta R.T. -0.011 min
 Lab File: BG056475.D
 Acq: 30 Jan 2023 18:37

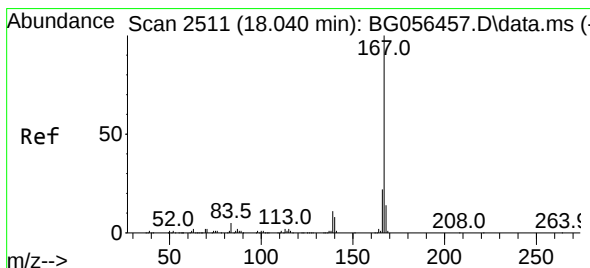
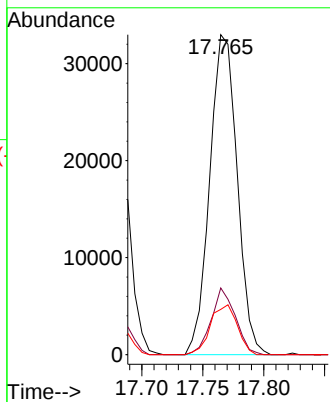
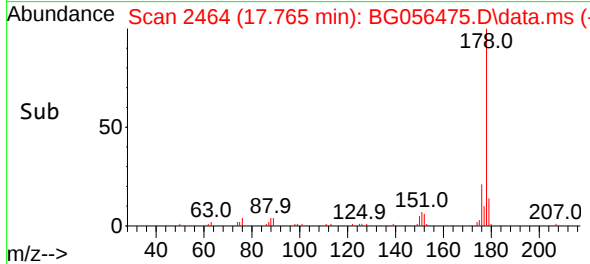
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022



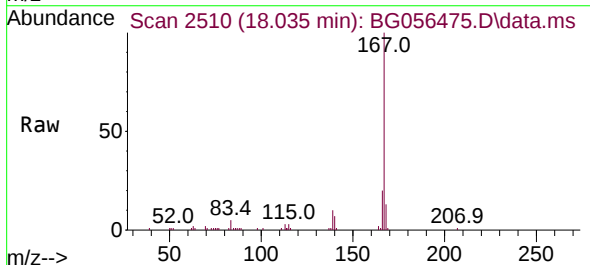
Tgt Ion:178 Resp: 51702
 Ion Ratio Lower Upper
 178 100
 176 20.8 14.5 21.7
 179 14.1 12.5 18.7

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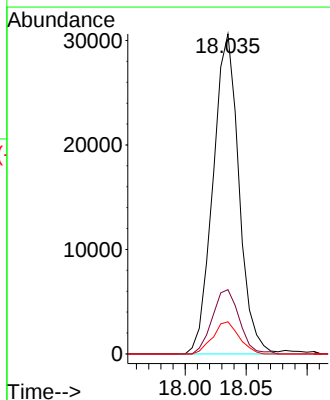
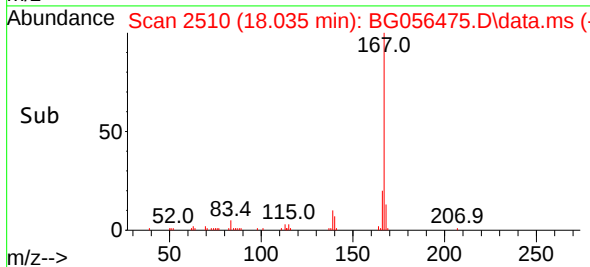
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023

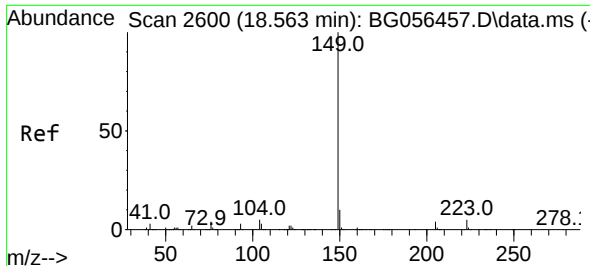


#73
 Carbazole
 Concen: 3.917 ng
 RT: 18.035 min Scan# 2510
 Delta R.T. -0.005 min
 Lab File: BG056475.D
 Acq: 30 Jan 2023 18:37



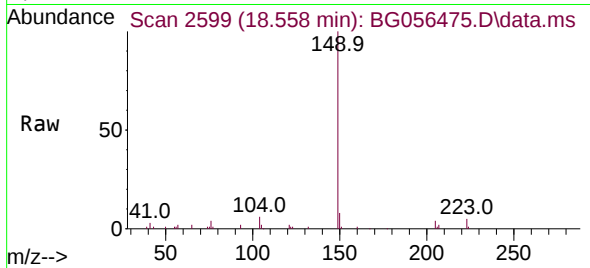
Tgt Ion:167 Resp: 45239
 Ion Ratio Lower Upper
 167 100
 166 20.1 17.8 26.6
 139 10.0 8.9 13.3





#74
Di-n-butylphthalate
Concen: 3.640 ng
RT: 18.558 min Scan# 2599
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

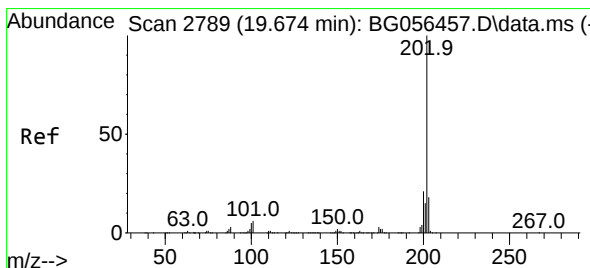
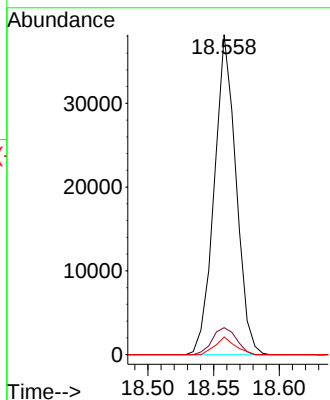
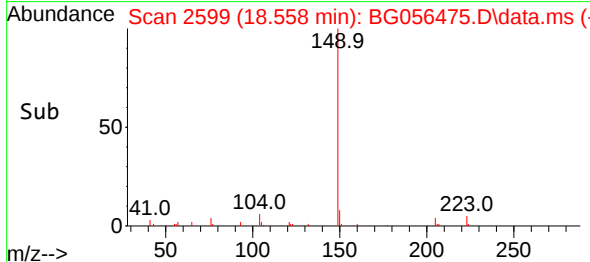
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



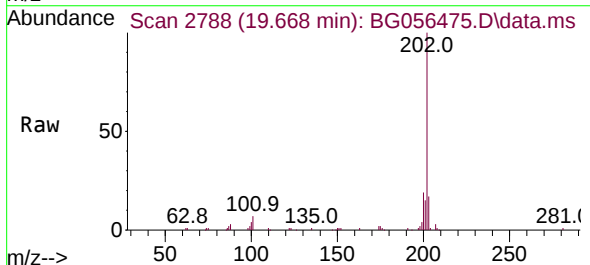
Tgt Ion:149 Resp: 44134
Ion Ratio Lower Upper
149 100
150 8.4 7.8 11.6
104 5.5 4.0 6.0

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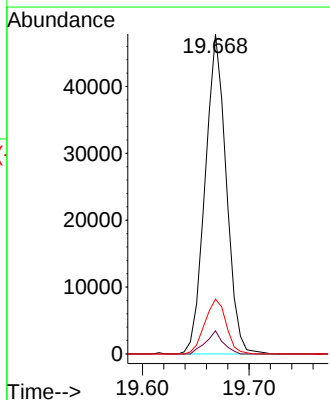
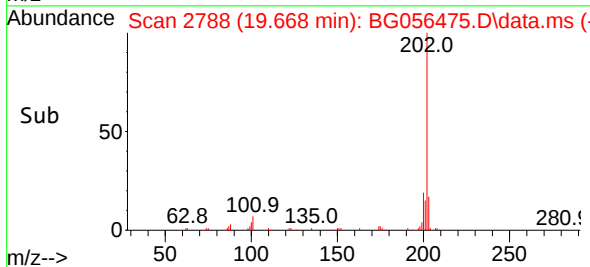
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

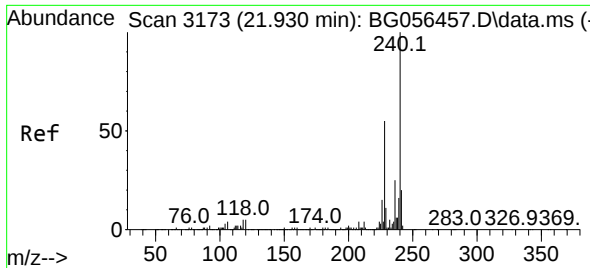


#75
Fluoranthene
Concen: 3.948 ng
RT: 19.668 min Scan# 2788
Delta R.T. -0.006 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



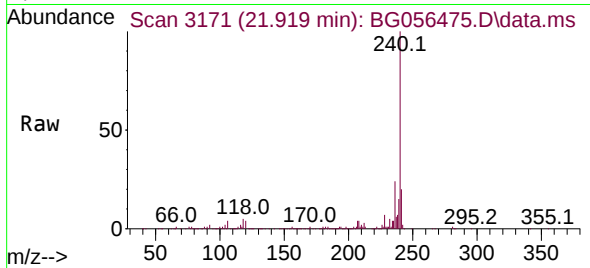
Tgt Ion:202 Resp: 65819
Ion Ratio Lower Upper
202 100
101 7.2 0.0 25.6
203 17.2 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3171
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

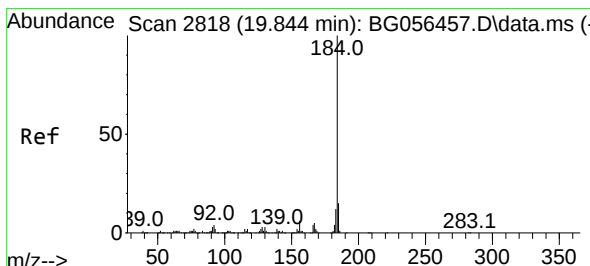
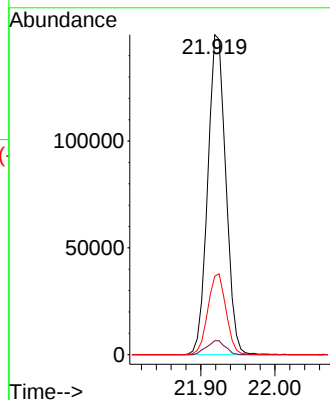
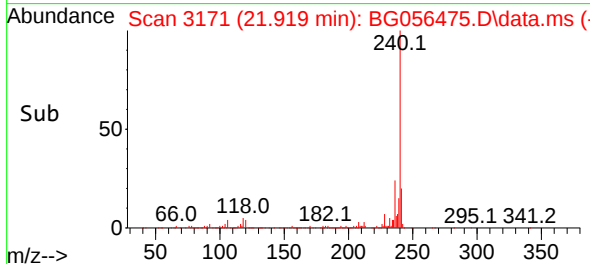
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:240 Resp: 253333
Ion Ratio Lower Upper
240 100
120 4.4 3.8 5.8
236 24.5 20.2 30.2

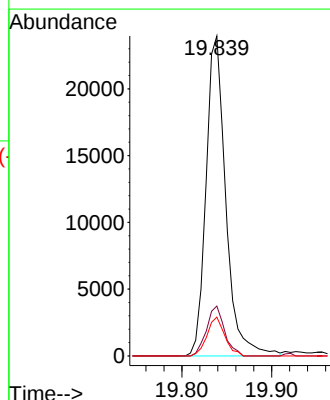
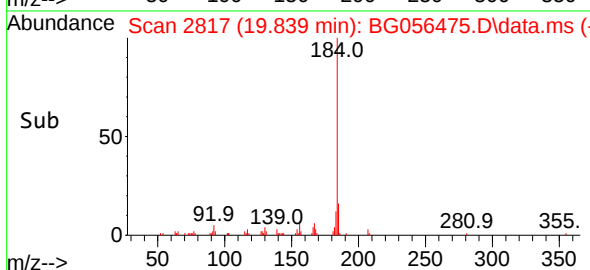
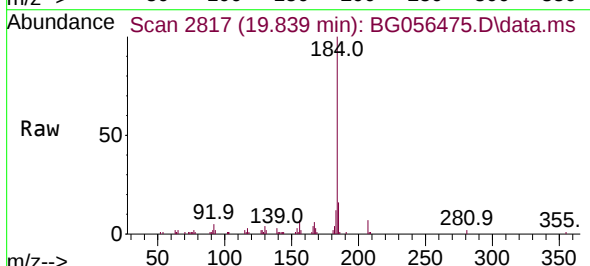
Manual Integrations
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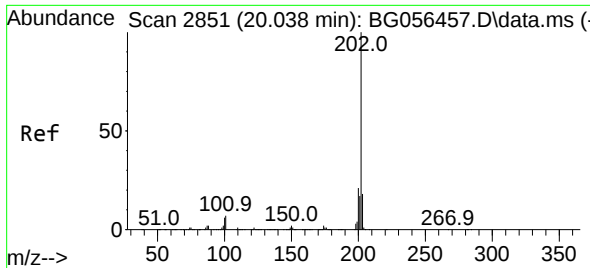
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#77
Benzidine
Concen: 5.336 ng
RT: 19.839 min Scan# 2817
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

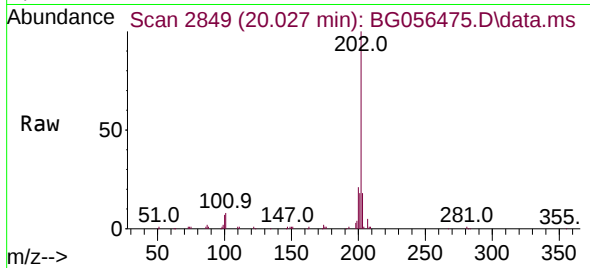
Tgt Ion:184 Resp: 36582
Ion Ratio Lower Upper
184 100
185 15.6 12.3 18.5
183 12.1 9.8 14.8





#78
 Pyrene
 Concen: 3.673 ng
 RT: 20.027 min Scan# 2849
 Delta R.T. -0.011 min
 Lab File: BG056475.D
 Acq: 30 Jan 2023 18:37

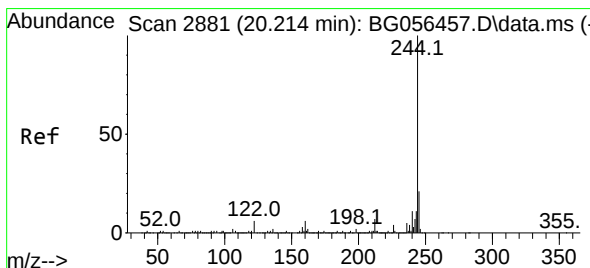
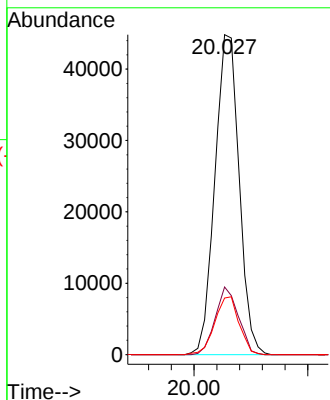
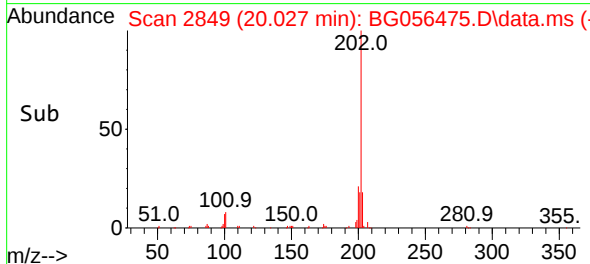
Instrument : BNA_G
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:202 Resp: 66172
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.7 25.1
 203 17.7 14.4 21.6

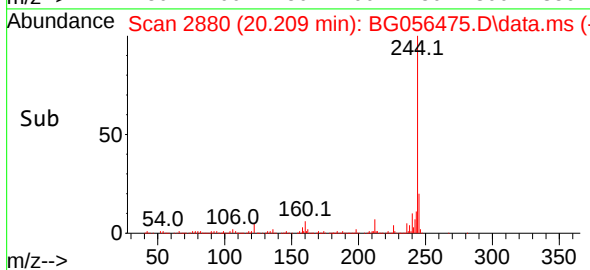
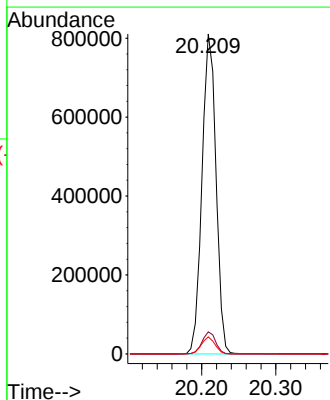
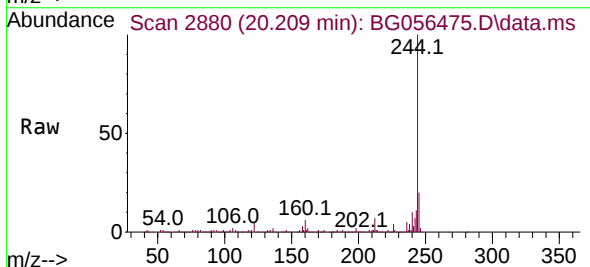
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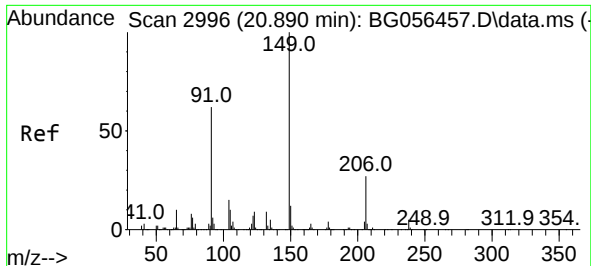
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023



#79
 Terphenyl-d14
 Concen: 73.544 ng
 RT: 20.209 min Scan# 2880
 Delta R.T. -0.005 min
 Lab File: BG056475.D
 Acq: 30 Jan 2023 18:37

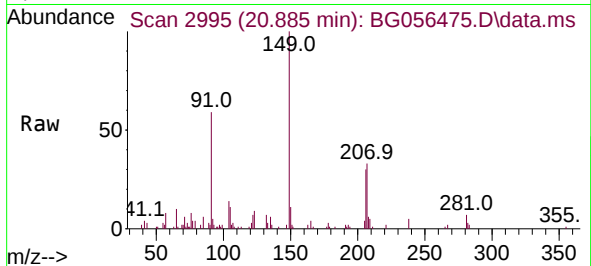
Tgt Ion:244 Resp: 1060784
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 5.3 4.4 6.6





#80
Butylbenzylphthalate
Concen: 3.648 ng
RT: 20.885 min Scan# 2995
Delta R.T. -0.005 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

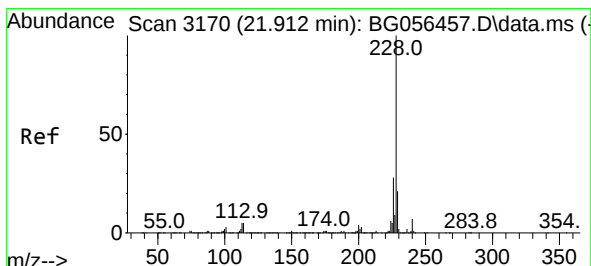
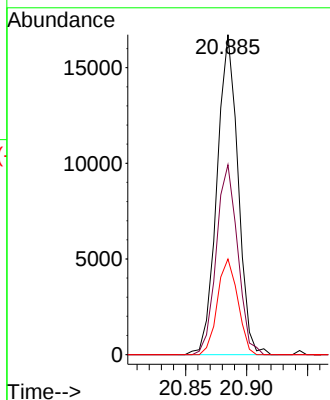
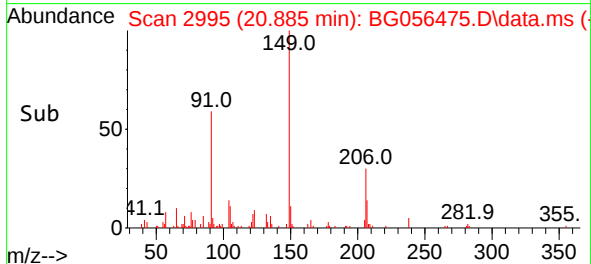
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



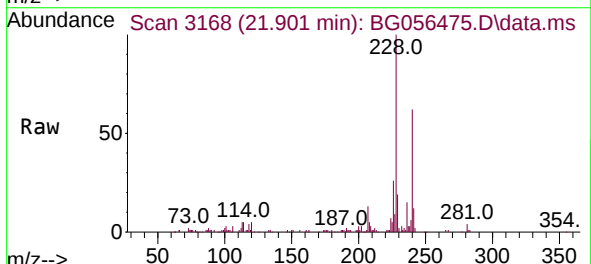
Tgt Ion:149 Resp: 2007
Ion Ratio Lower Upper
149 100
91 59.3 49.4 74.0
206 29.9 22.0 33.0

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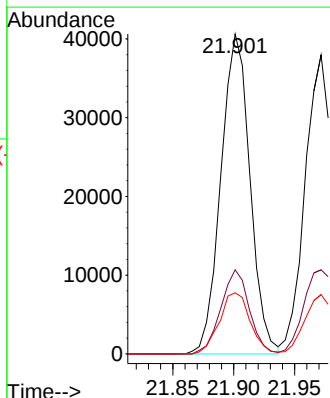
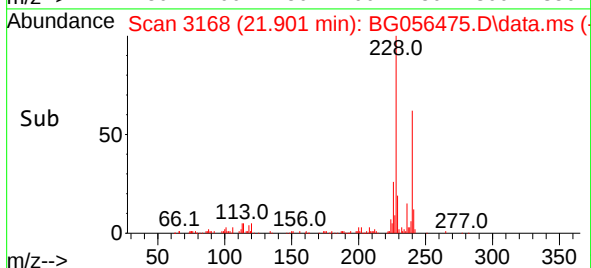
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

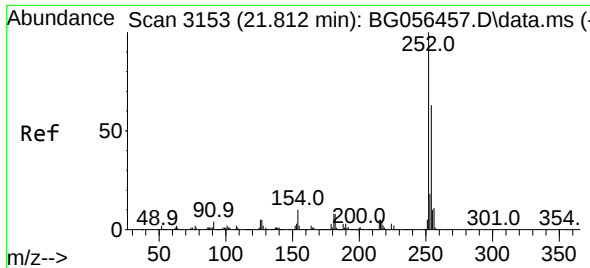


#81
Benzo(a)anthracene
Concen: 3.811 ng
RT: 21.901 min Scan# 3168
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



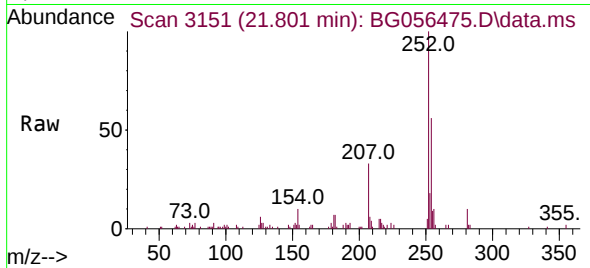
Tgt Ion:228 Resp: 67492
Ion Ratio Lower Upper
228 100
226 26.3 22.4 33.6
229 19.1 16.5 24.7





#82
3,3'-Dichlorobenzidine
Concen: 4.466 ng
RT: 21.801 min Scan# 3153
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

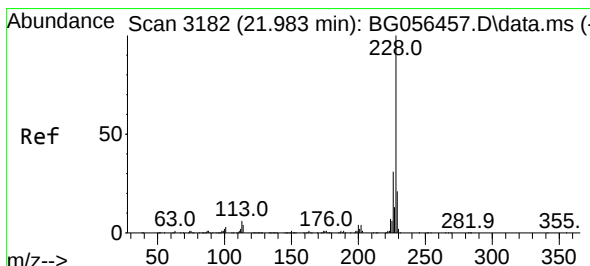
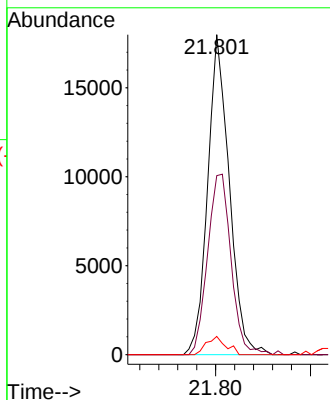
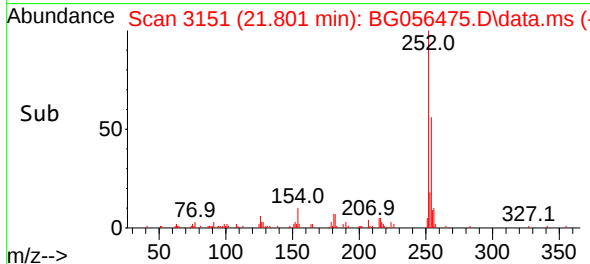
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:252 Resp: 2848
Ion Ratio Lower Upper
252 100
254 55.9 50.0 75.0
126 5.7 4.3 6.5

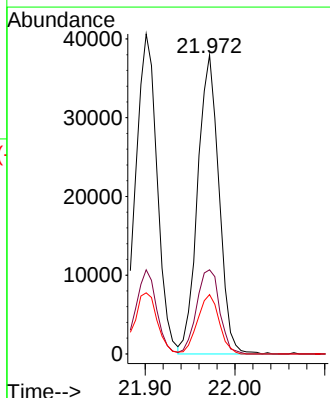
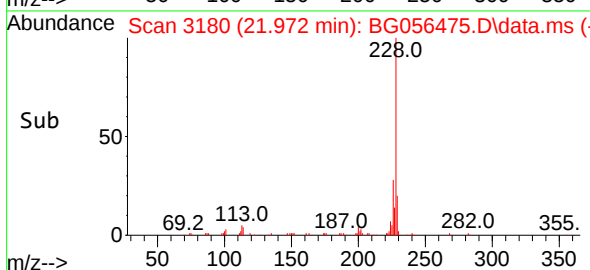
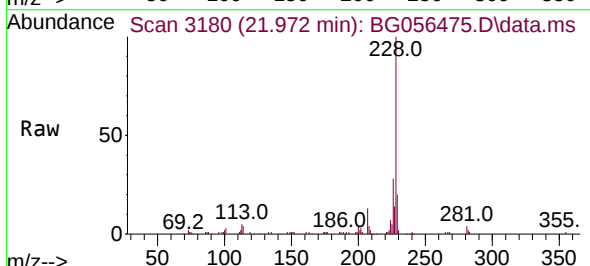
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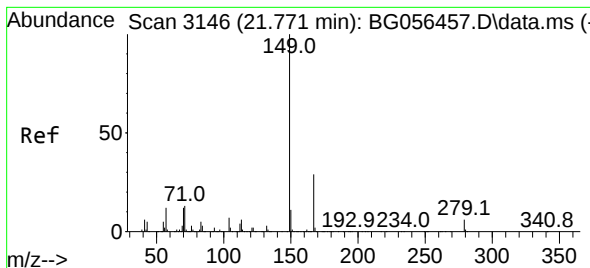
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#83
Chrysene
Concen: 3.763 ng
RT: 21.972 min Scan# 3180
Delta R.T. -0.011 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

Tgt Ion:228 Resp: 62606
Ion Ratio Lower Upper
228 100
226 28.1 25.0 37.4
229 19.8 16.4 24.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.555 ng

RT: 21.760 min Scan# 3146

Delta R.T. -0.011 min

Lab File: BG056475.D

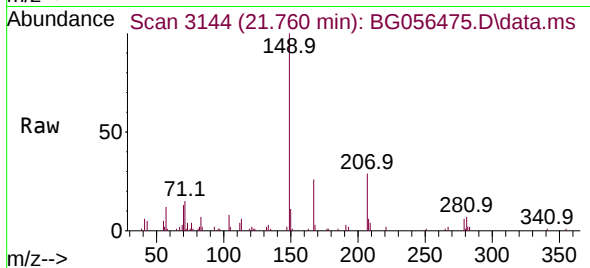
Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:149 Resp: 28048

Ion Ratio Lower Upper

149 100

167 26.3 23.4 35.2

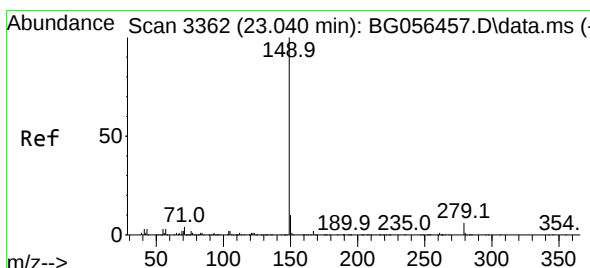
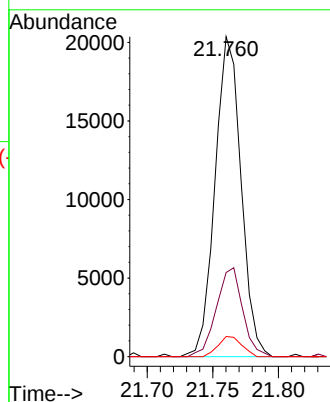
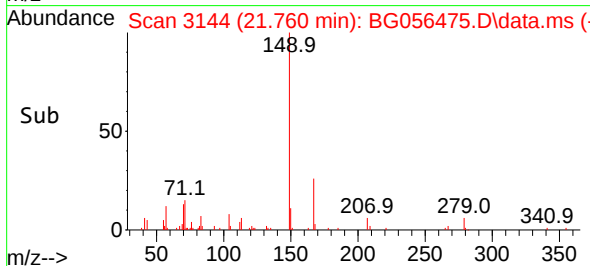
279 6.3 4.4 6.6

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Supervised By :Jagrut Upadhyay 01/31/2023



#85

Di-n-octyl phthalate

Concen: 3.600 ng

RT: 23.029 min Scan# 3360

Delta R.T. -0.011 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

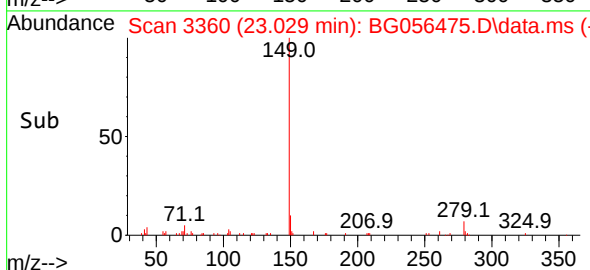
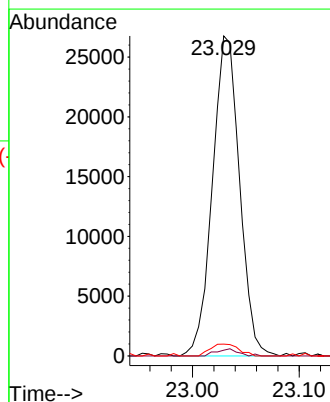
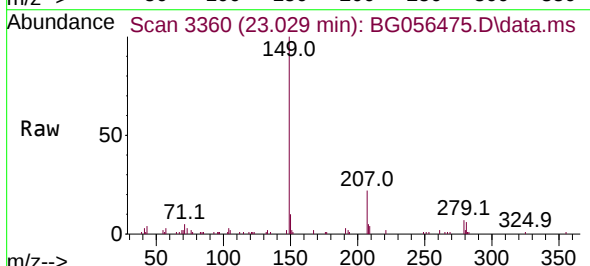
Tgt Ion:149 Resp: 47295

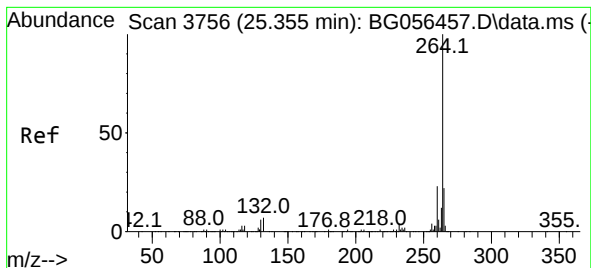
Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

43 3.9 2.7 4.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.338 min Scan# 31

Delta R.T. -0.017 min

Lab File: BG056475.D

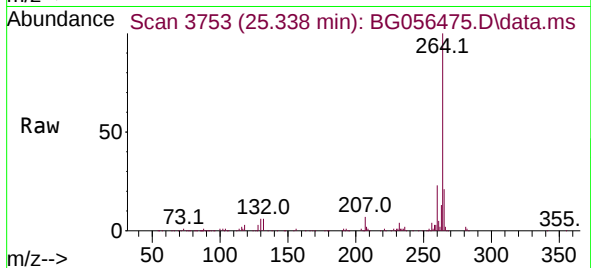
Acq: 30 Jan 2023 18:37

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:264 Resp: 276894

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.4

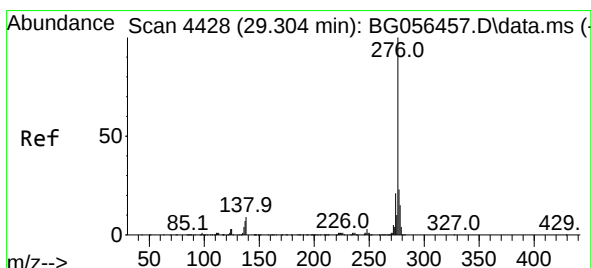
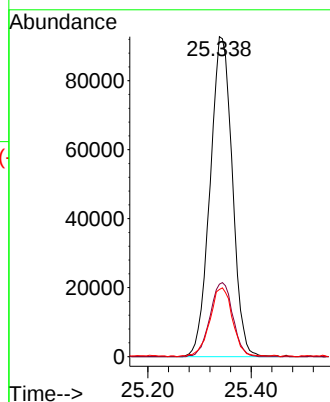
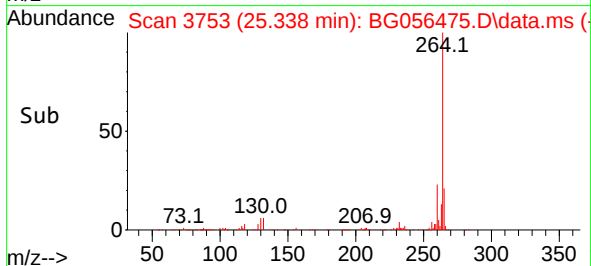
265 21.0 18.1 27.1

Manual Integrations

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Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.653 ng

RT: 29.269 min Scan# 4422

Delta R.T. -0.035 min

Lab File: BG056475.D

Acq: 30 Jan 2023 18:37

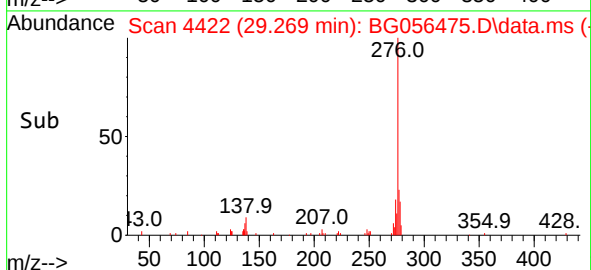
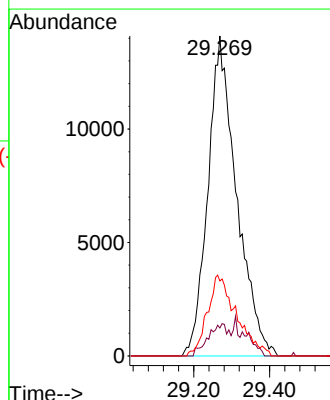
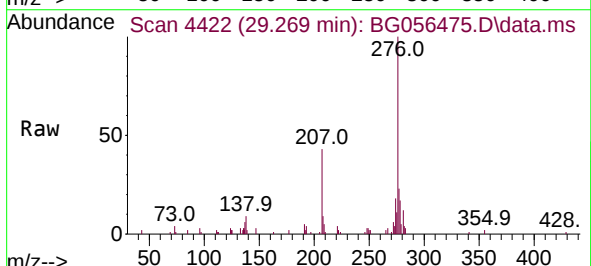
Tgt Ion:276 Resp: 74038

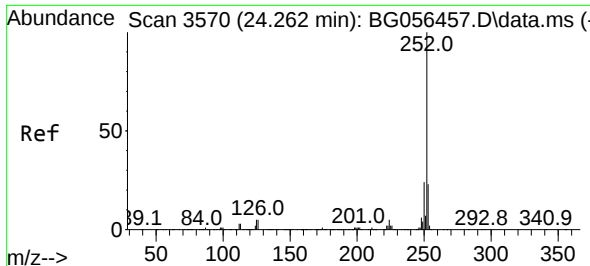
Ion Ratio Lower Upper

276 100

138 7.3 9.4 14.2#

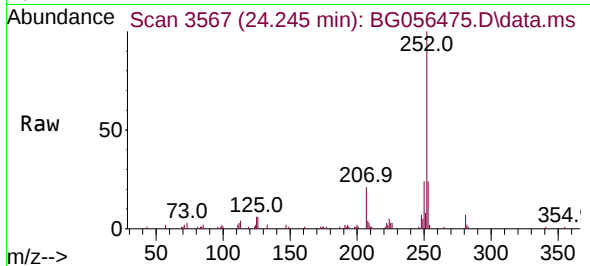
277 25.6 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 3.947 ng m
RT: 24.245 min Scan# 3567
Delta R.T. -0.017 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

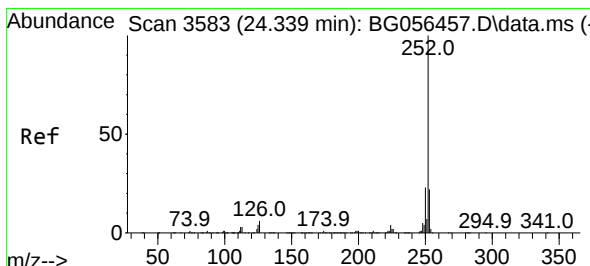
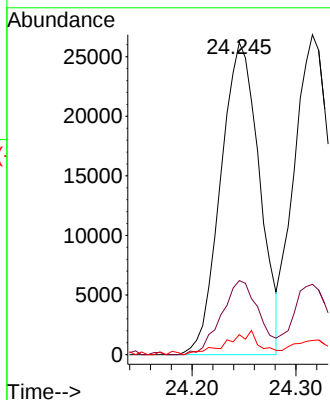
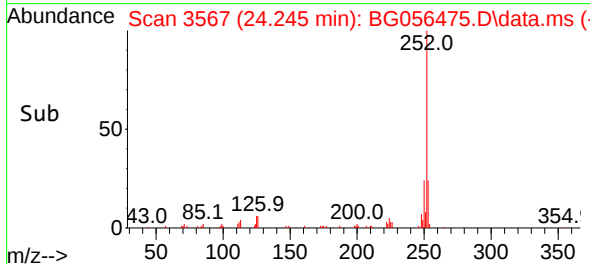
Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:252 Resp: 6782
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 6.4 3.9 5.9

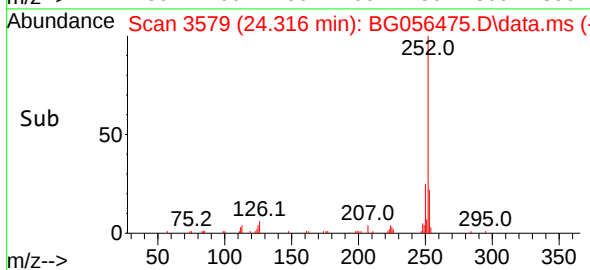
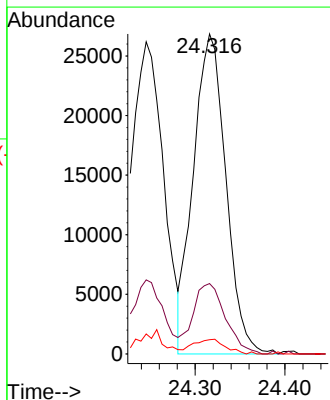
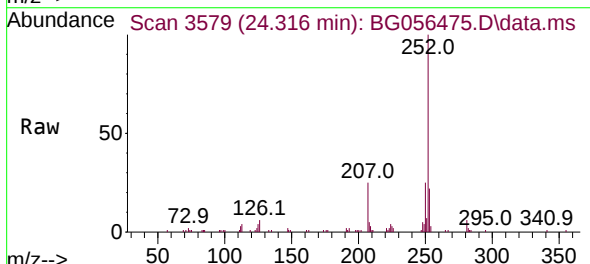
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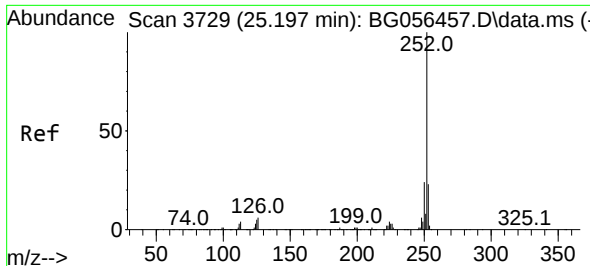
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#89
Benzo(k)fluoranthene
Concen: 3.893 ng
RT: 24.316 min Scan# 3579
Delta R.T. -0.023 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

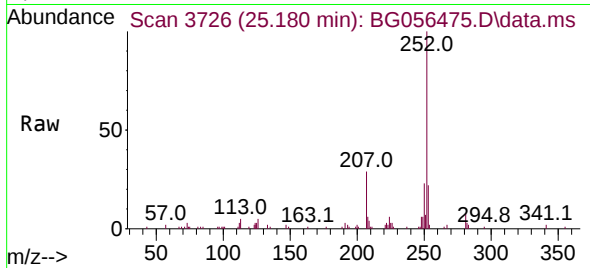
Tgt Ion:252 Resp: 67544
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 4.4 3.4 5.0





#90
Benzo(a)pyrene
Concen: 3.611 ng
RT: 25.180 min Scan# 3726
Delta R.T. -0.017 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37

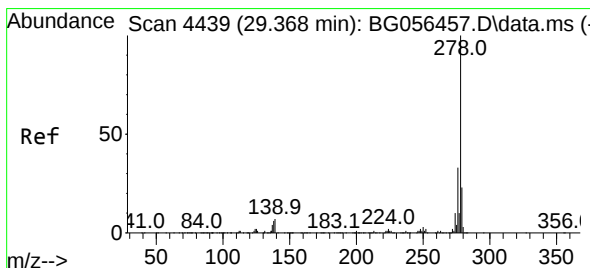
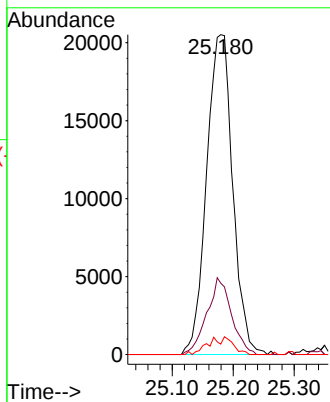
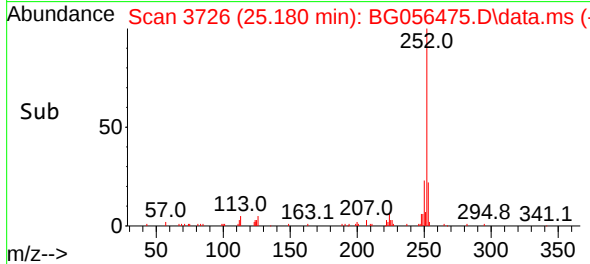
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



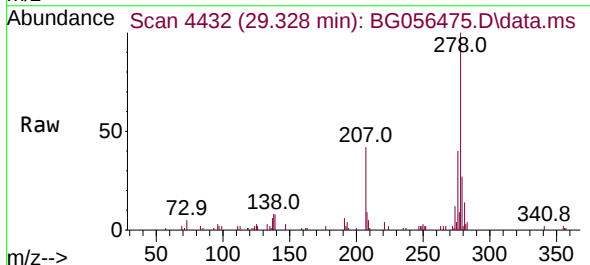
Tgt Ion:252 Resp: 61135
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 3.3 4.1 6.1

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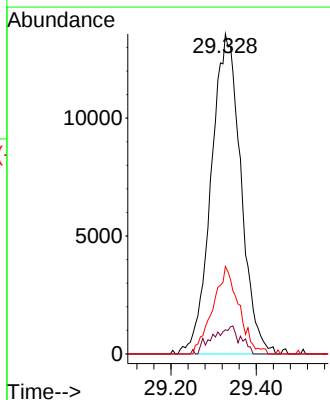
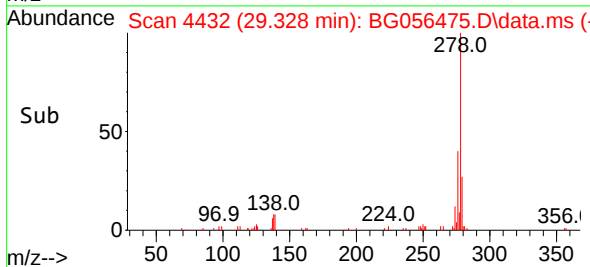
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

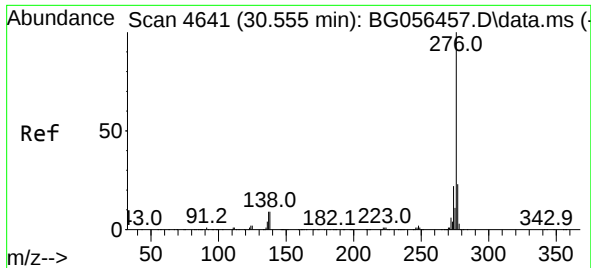


#91
Dibenzo(a,h)anthracene
Concen: 3.844 ng
RT: 29.328 min Scan# 4432
Delta R.T. -0.040 min
Lab File: BG056475.D
Acq: 30 Jan 2023 18:37



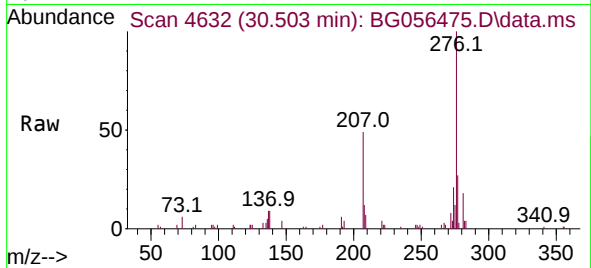
Tgt Ion:278 Resp: 65399
Ion Ratio Lower Upper
278 100
139 7.5 5.5 8.3
279 27.3 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.809 ng
 RT: 30.503 min Scan# 4632
 Delta R.T. -0.052 min
 Lab File: BG056475.D
 Acq: 30 Jan 2023 18:37

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



Tgt Ion: 276 Resp: 62535
 Ion Ratio Lower Upper
 276 100
 277 26.7 18.5 27.7
 138 8.8 7.4 11.0

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

