

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013023\
 Data File : BG056469.D
 Acq On : 30 Jan 2023 11:31
 Operator : CG/JU
 Sample : N3980-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

Manual Integrations
 APPROVED

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

Quant Time: Jan 31 03:00:27 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	29710	20.000	ng	0.00
21) Naphthalene-d8	11.113	136	121869	20.000	ng	0.00
39) Acenaphthene-d10	14.897	164	101378	20.000	ng	0.00
64) Phenanthrene-d10	17.635	188	265860	20.000	ng	0.00
76) Chrysene-d12	21.924	240	260219	20.000	ng	0.00
86) Perylene-d12	25.344	264	285878	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	201475	124.749	ng	0.00
7) Phenol-d6	7.418	99	283647	118.534	ng	0.00
23) Nitrobenzene-d5	9.451	82	159476	74.308	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	154915	114.943	ng	0.00
45) 2-Fluorobiphenyl	13.522	172	548690	75.038	ng	0.00
79) Terphenyl-d14	20.215	244	1062962	71.745	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.599	88	4048	6.019	ng	94
3) Pyridine	4.028	79	8813	4.396	ng	# 93
4) n-Nitrosodimethylamine	3.934	42	2270	5.325	ng	# 78
6) Aniline	7.594	93	16496	5.265	ng	96
8) 2-Chlorophenol	7.835	128	9659	5.444	ng	91
9) Benzaldehyde	7.406	77	8026	5.441	ng	95
10) Phenol	7.447	94	12583	5.174	ng	90
11) bis(2-Chloroethyl)ether	7.682	93	9317	5.573	ng	88
12) 1,3-Dichlorobenzene	8.170	146	10874	5.323	ng	97
13) 1,4-Dichlorobenzene	8.317	146	11824	5.716	ng	96
14) 1,2-Dichlorobenzene	8.640	146	11024	5.492	ng	91
15) Benzyl Alcohol	8.516	79	7881	4.800	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.799	45	1783	5.034	ng	87
17) 2-Methylphenol	8.716	107	8608	4.652	ng	96
18) Hexachloroethane	9.374	117	3490	5.578	ng	# 85
19) n-Nitroso-di-n-propyla...	9.075	70	6889	4.996	ng	# 91
20) 3+4-Methylphenols	9.051	107	11730	4.524	ng	93
22) Acetophenone	9.104	105	16522	5.102	ng	# 97
24) Nitrobenzene	9.498	77	10254	4.953	ng	# 91
25) Isophorone	10.015	82	21450	4.845	ng	# 91
26) 2-Nitrophenol	10.214	139	6358	5.062	ng	97
27) 2,4-Dimethylphenol	10.262	122	9214	4.383	ng	92
28) bis(2-Chloroethoxy)met...	10.491	93	12935	5.288	ng	# 96
29) 2,4-Dichlorophenol	10.755	162	11439	4.835	ng	93
30) 1,2,4-Trichlorobenzene	10.967	180	13731	5.222	ng	# 93
31) Naphthalene	11.160	128	33190	5.160	ng	97
33) 4-Chloroaniline	11.260	127	15122	5.036	ng	94
34) Hexachlorobutadiene	11.437	225	9652	5.230	ng	95
35) Caprolactam	12.007	113	3474	4.354	ng	# 78
36) 4-Chloro-3-methylphenol	12.365	107	11065	4.842	ng	91
37) 2-Methylnaphthalene	12.747	142	25179	4.748	ng	94
38) 1-Methylnaphthalene	12.964	142	24986m	5.045	ng	
40) 1,2,4,5-Tetrachloroben...	13.105	216	18626	5.029	ng	98
41) Hexachlorocyclopentadiene	13.082	237	3983	8.239	ng	85
43) 2,4,6-Trichlorophenol	13.346	196	10960	4.592	ng	92
44) 2,4,5-Trichlorophenol	13.422	196	12240	4.380	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013023\
 Data File : BG056469.D
 Acq On : 30 Jan 2023 11:31
 Operator : CG/JU
 Sample : N3980-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

Quant Time: Jan 31 03:00:27 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

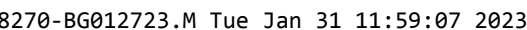
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023

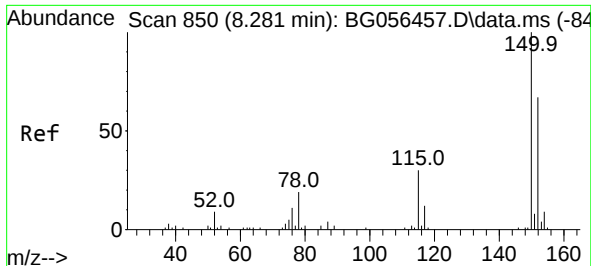
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.734	154	37801	5.141	ng	99
47) 2-Chloronaphthalene	13.781	162	30274	5.267	ng	97
48) 2-Nitroaniline	13.981	65	5957	5.014	ng	95
49) Acenaphthylene	14.621	152	46649	4.989	ng	98
50) Dimethylphthalate	14.333	163	40392	4.925	ng	98
51) 2,6-Dinitrotoluene	14.462	165	8466	4.733	ng	98
52) Acenaphthene	14.956	154	28010	5.051	ng	94
53) 3-Nitroaniline	14.797	138	7963	4.592	ng	94
55) Dibenzofuran	15.291	168	50547	5.083	ng	97
56) 4-Nitrophenol	15.115	139	4489m	3.789	ng	
57) 2,4-Dinitrotoluene	15.250	165	11967	4.750	ng	# 99
58) Fluorene	15.937	166	40464	5.113	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.520	232	11097	4.466	ng	# 99
60) Diethylphthalate	15.685	149	38606	5.013	ng	95
61) 4-Chlorophenyl-phenyle...	15.920	204	23870	4.943	ng	97
62) 4-Nitroaniline	15.949	138	8126	4.683	ng	94
63) Azobenzene	16.213	77	27407	5.172	ng	98
65) 4,6-Dinitro-2-methylph...	16.014	198	5740	3.071	ng	92
66) n-Nitrosodiphenylamine	16.131	169	35957	4.777	ng	97
67) 4-Bromophenyl-phenylether	16.813	248	16439	4.830	ng	94
68) Hexachlorobenzene	16.942	284	17421	5.226	ng	97
69) Atrazine	17.065	200	15150	5.217	ng	99
71) Phenanthrene	17.676	178	70910	5.096	ng	96
72) Anthracene	17.770	178	71466	5.003	ng	99
73) Carbazole	18.035	167	60091	4.940	ng	98
74) Di-n-butylphthalate	18.564	149	61287	4.798	ng	# 96
75) Fluoranthene	19.668	202	90043	5.127	ng	99
77) Benzidine	19.839	184	44289	6.289	ng	99
78) Pyrene	20.032	202	91509	4.944	ng	97
80) Butylbenzylphthalate	20.884	149	25975	4.596	ng	99
81) Benzo(a)anthracene	21.901	228	90492	4.974	ng	98
82) 3,3'-Dichlorobenzidine	21.807	252	35746	5.456	ng	98
83) Chrysene	21.971	228	86017	5.033	ng	98
84) Bis(2-ethylhexyl)phtha...	21.766	149	39696	4.899	ng	97
85) Di-n-octyl phthalate	23.035	149	64958	4.813	ng	99
87) Indeno(1,2,3-cd)pyrene	29.280	276	100133	4.785	ng	# 91
88) Benzo(b)fluoranthene	24.245	252	91271	5.144	ng	96
89) Benzo(k)fluoranthene	24.316	252	92223	5.148	ng	# 98
90) Benzo(a)pyrene	25.173	252	82143	4.700	ng	100
91) Dibenzo(a,h)anthracene	29.333	278	89058	5.070	ng	96
92) Benzo(g,h,i)perylene	30.508	276	85790	5.062	ng	# 96

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

Manual Integrations

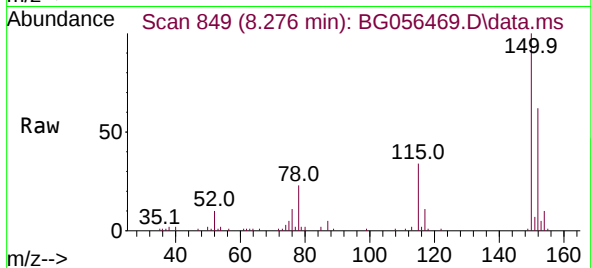
Quant Time: Jan 31 03:00:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 28 00:39:13 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

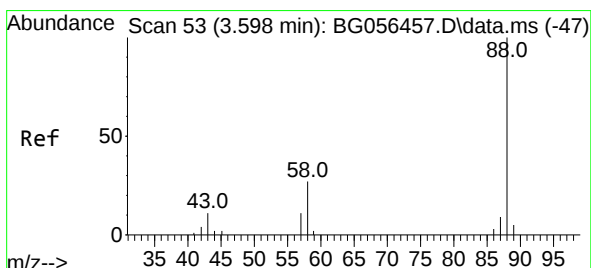
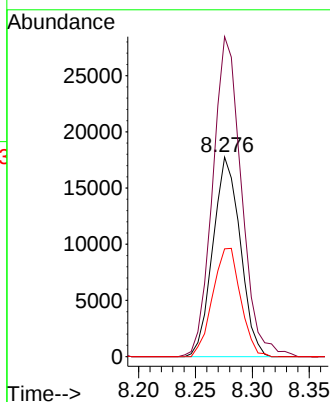
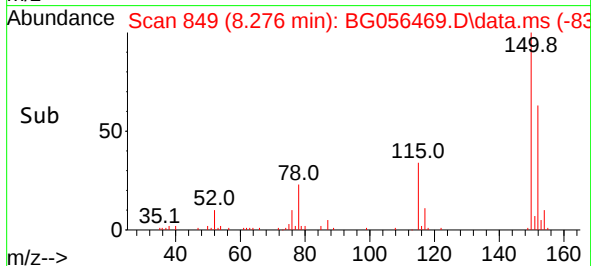
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 152 Resp: 29710
Ion Ratio Lower Upper
152 100
150 160.5 120.2 180.4
115 54.1 36.3 54.5

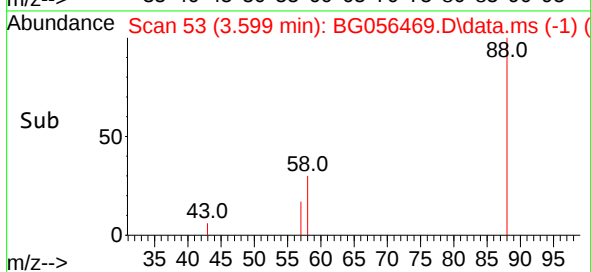
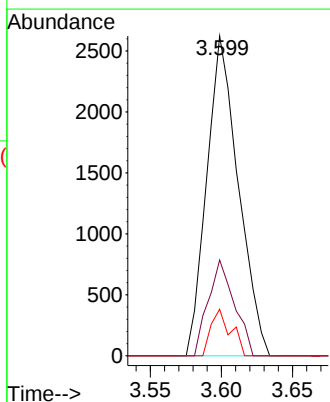
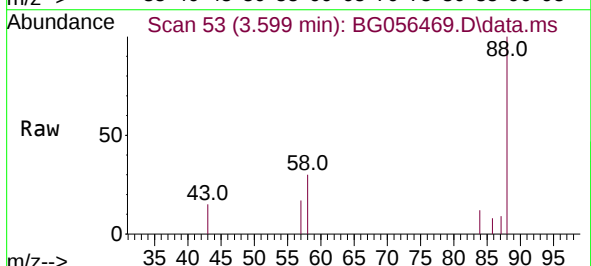
Manual Integrations
APPROVED

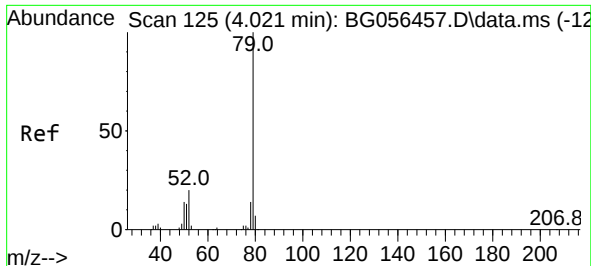
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#2
1,4-Dioxane
Concen: 6.019 ng
RT: 3.599 min Scan# 53
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion: 88 Resp: 4048
Ion Ratio Lower Upper
88 100
58 24.8 23.0 34.4
43 9.2 8.0 12.0





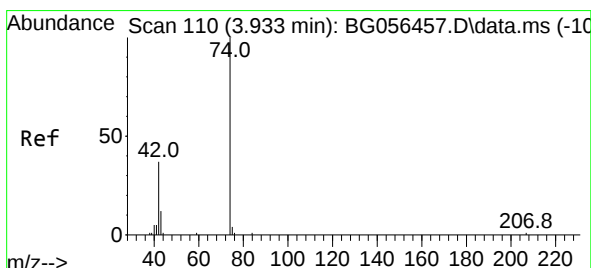
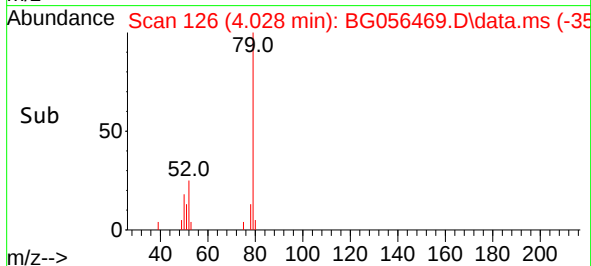
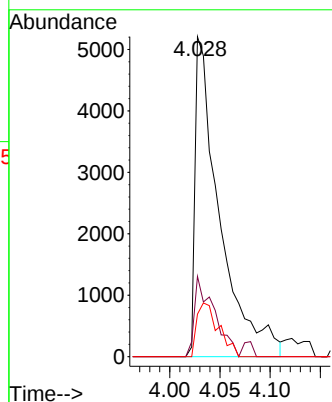
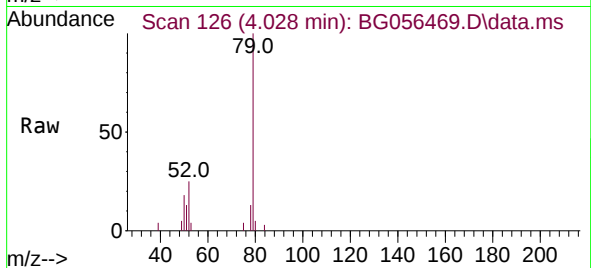
#3
Pyridine
Concen: 4.396 ng
RT: 4.028 min Scan# 110
Delta R.T. 0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion: 79 Resp: 8813
Ion Ratio Lower Upper
79 100
52 25.1 16.1 24.1
51 13.3 10.7 16.1

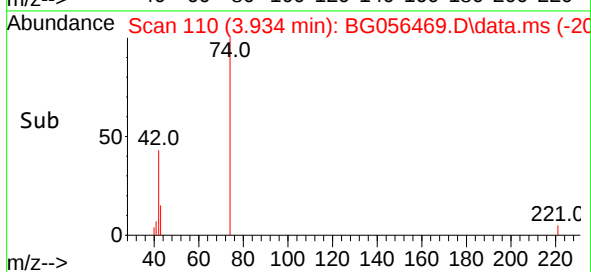
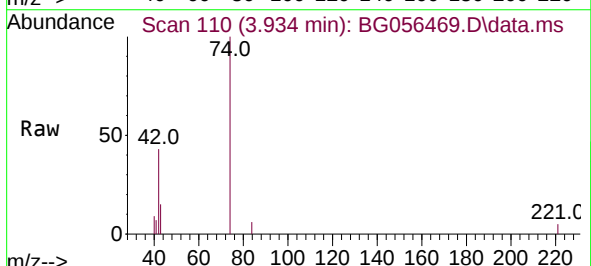
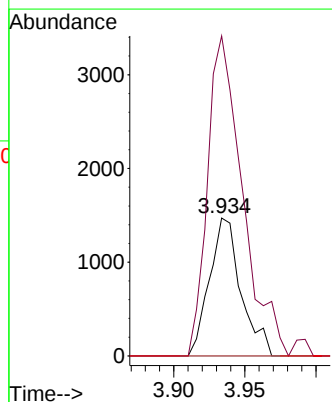
Manual Integrations
APPROVED

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



#4
n-Nitrosodimethylamine
Concen: 5.325 ng
RT: 3.934 min Scan# 110
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

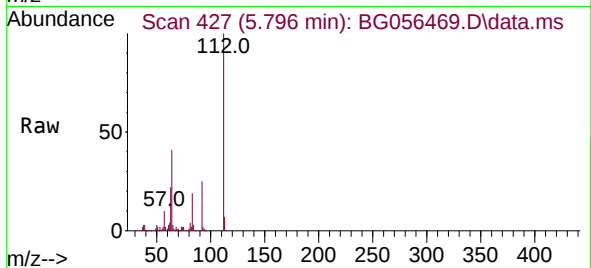
Tgt Ion: 42 Resp: 2270
Ion Ratio Lower Upper
42 100
74 232.0 217.9 326.9
44 0.0 3.0 4.6





#5
2-Fluorophenol
Concen: 124.749 ng
RT: 5.796 min Scan# 428
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

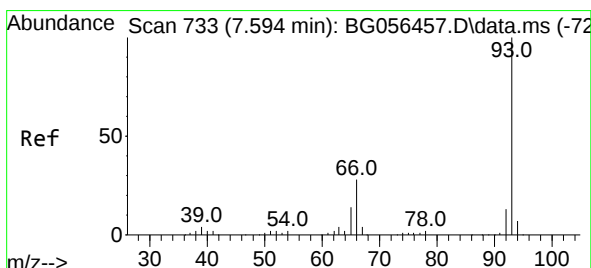
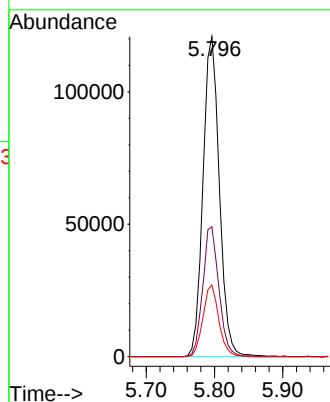
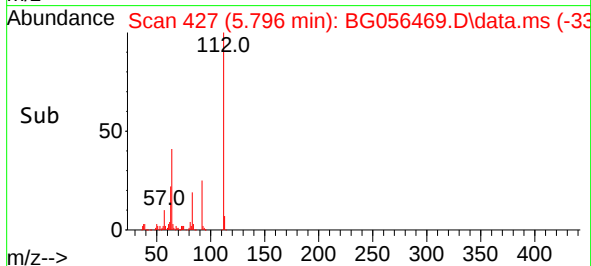
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 112 Resp: 201475
Ion Ratio Lower Upper
112 100
64 40.6 31.9 47.9
63 22.4 17.4 26.0

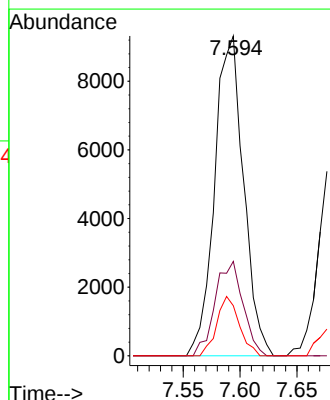
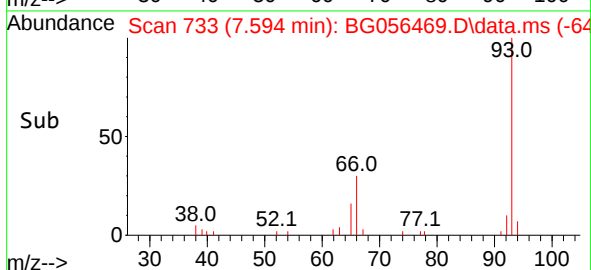
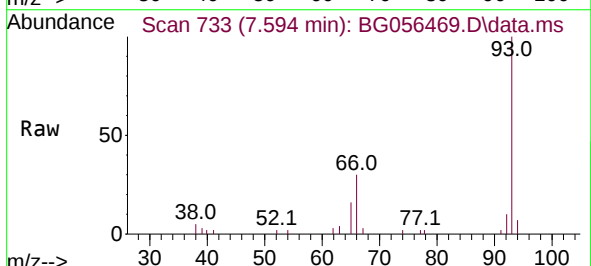
Manual Integrations
APPROVED

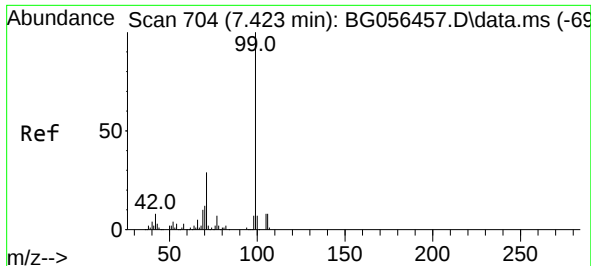
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#6
Aniline
Concen: 5.265 ng
RT: 7.594 min Scan# 733
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

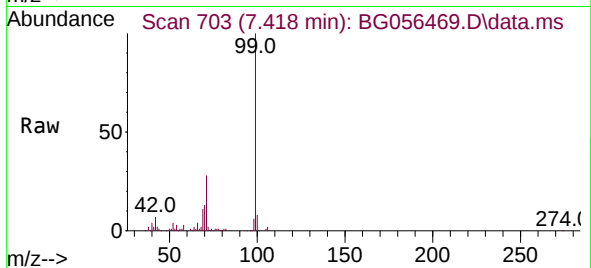
Tgt Ion: 93 Resp: 16496
Ion Ratio Lower Upper
93 100
66 29.5 22.2 33.2
65 15.7 11.3 16.9





#7
Phenol-d6
Concen: 118.534 ng
RT: 7.418 min Scan# 704
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

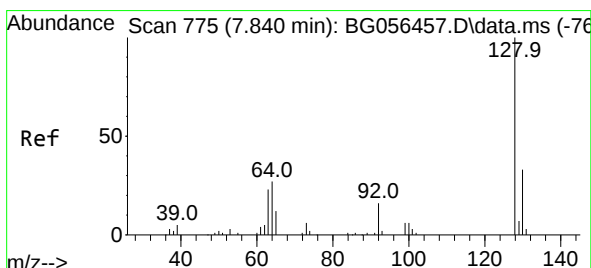
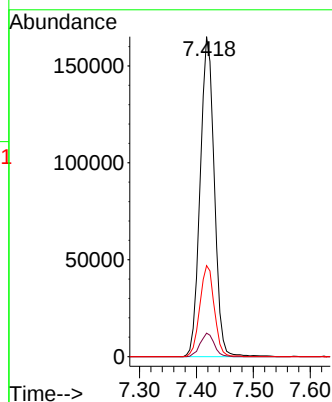
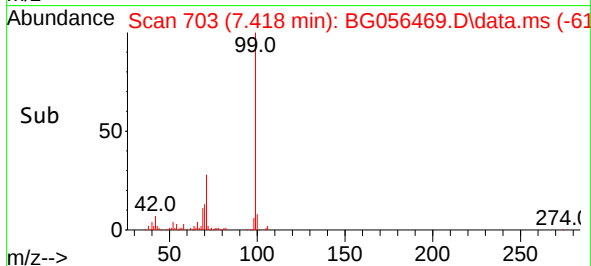
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 99 Resp: 28364
Ion Ratio Lower Upper
99 100
42 7.3 6.6 10.0
71 28.4 23.4 35.0

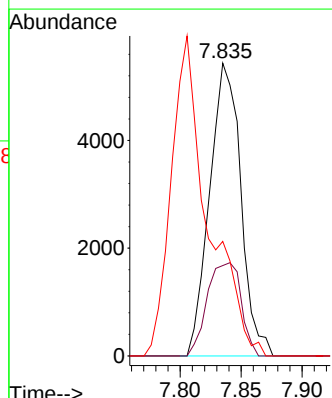
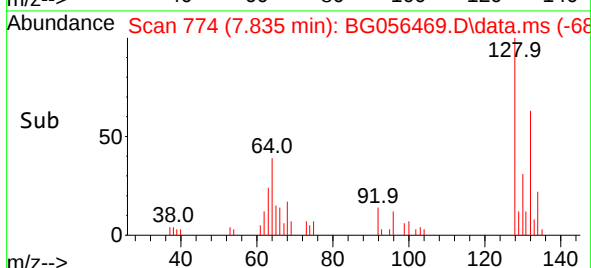
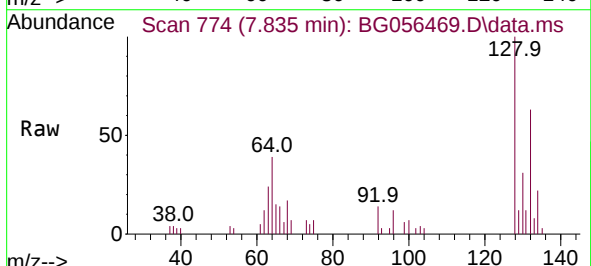
Manual Integrations
APPROVED

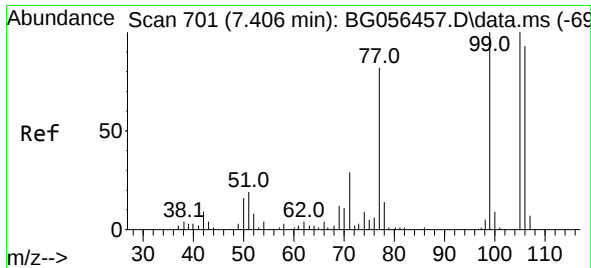
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#8
2-Chlorophenol
Concen: 5.444 ng
RT: 7.835 min Scan# 774
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:128 Resp: 9659
Ion Ratio Lower Upper
128 100
130 30.8 12.8 52.8
64 39.1 11.3 51.3





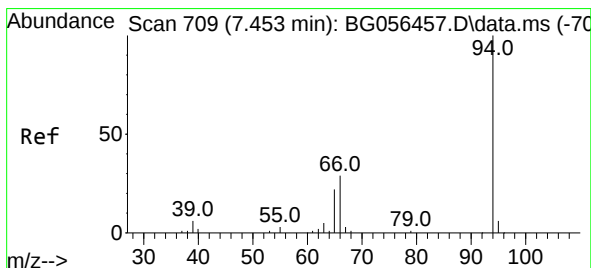
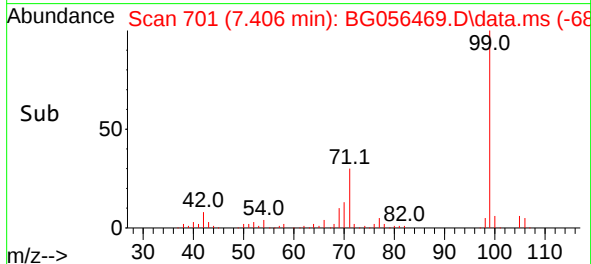
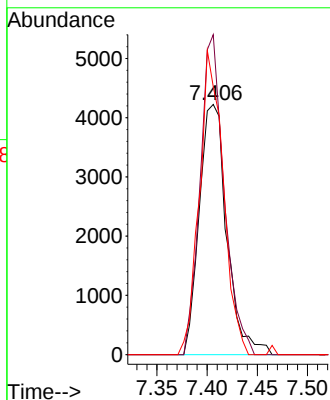
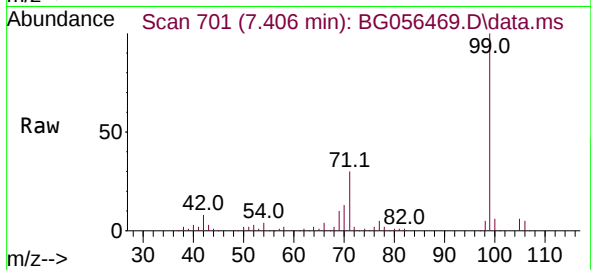
#9
Benzaldehyde
Concen: 5.441 ng
RT: 7.406 min Scan# 701
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion: 77 Resp: 8026
Ion Ratio Lower Upper
77 100
105 127.9 101.8 141.8
106 107.2 93.0 133.0

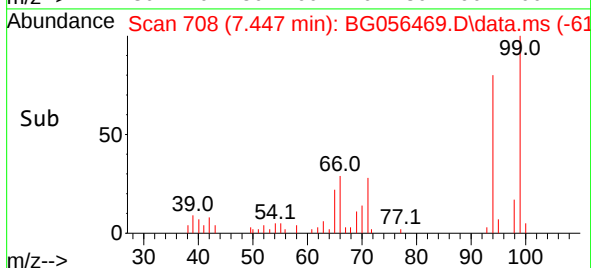
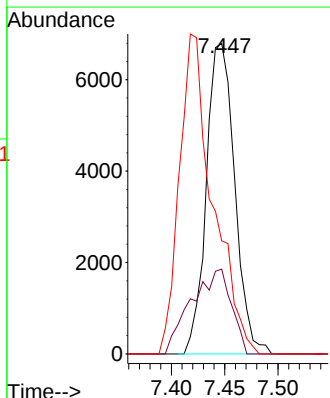
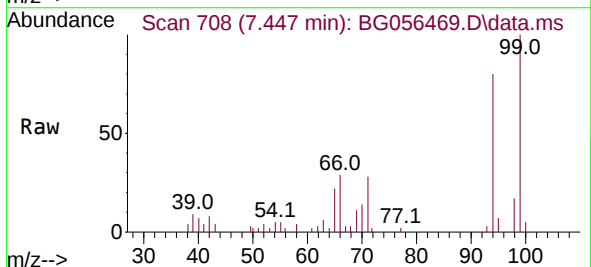
Manual Integrations
APPROVED

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



#10
Phenol
Concen: 5.174 ng
RT: 7.447 min Scan# 708
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion: 94 Resp: 12583
Ion Ratio Lower Upper
94 100
65 27.3 2.3 42.3
66 36.4 11.2 51.2





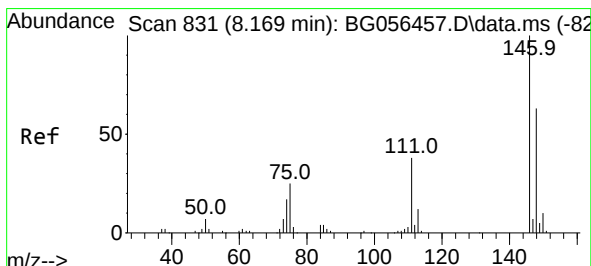
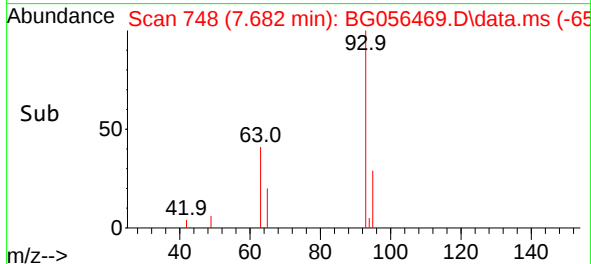
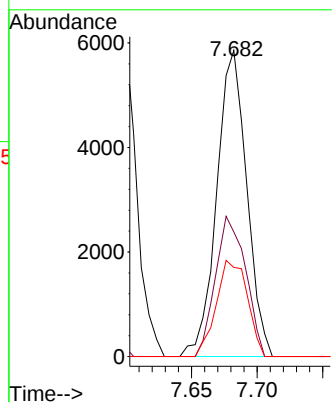
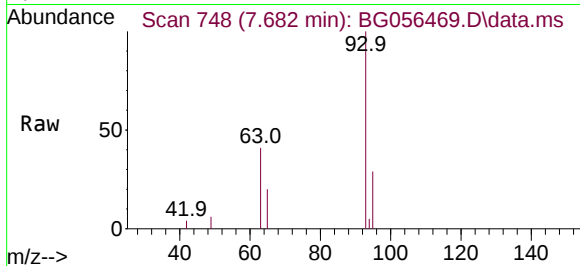
#11
bis(2-Chloroethyl)ether
Concen: 5.573 ng
RT: 7.682 min Scan# 748
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion: 93 Resp: 931
Ion Ratio Lower Upper
93 100
63 40.8 32.4 72.4
95 29.1 11.8 51.8

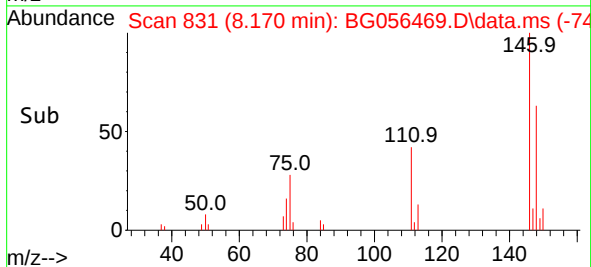
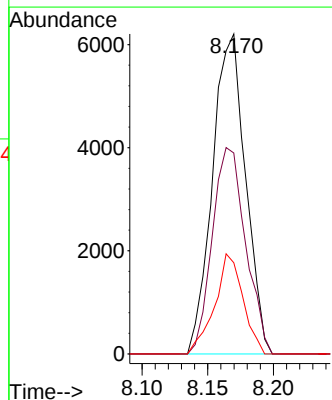
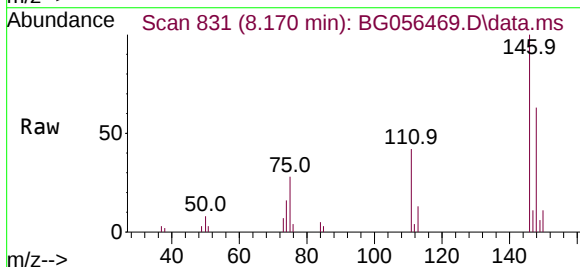
Manual Integrations
APPROVED

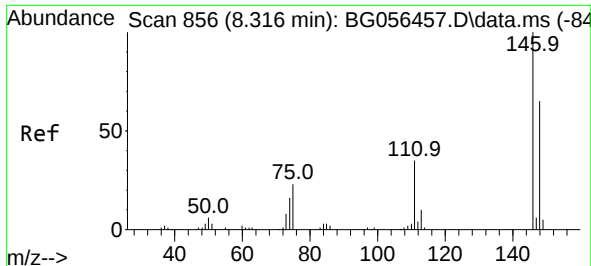
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#12
1,3-Dichlorobenzene
Concen: 5.323 ng
RT: 8.170 min Scan# 831
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:146 Resp: 10874
Ion Ratio Lower Upper
146 100
148 62.8 50.6 75.8
75 28.5 19.6 29.4





#13

1,4-Dichlorobenzene

Concen: 5.716 ng

RT: 8.317 min Scan# 856

Delta R.T. 0.000 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

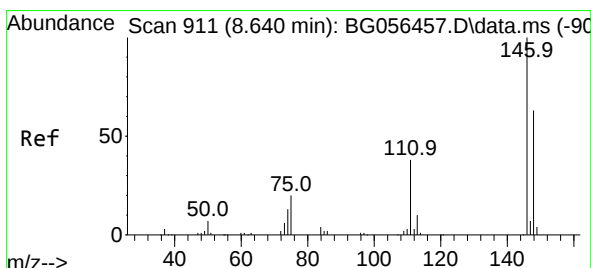
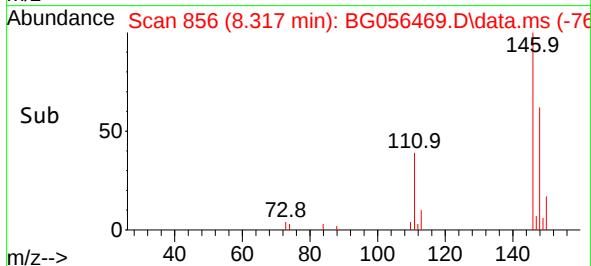
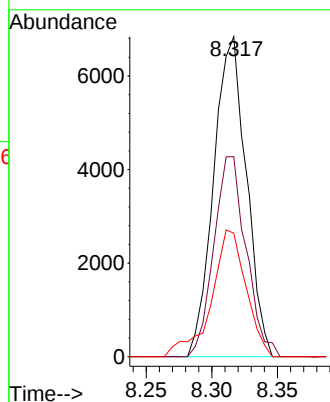
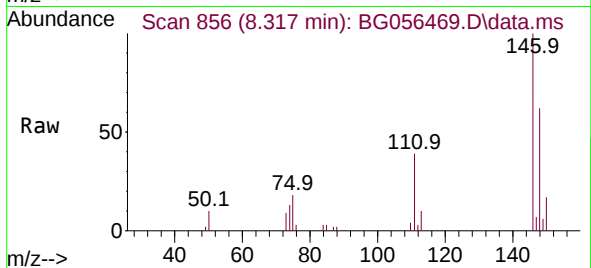
LOQ-SOIL-02-QT3-2022

Tgt Ion:146 Resp: 11824
 Ion Ratio Lower Upper
 146 100
 148 62.5 51.8 77.6
 111 38.6 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: 5.492 ng

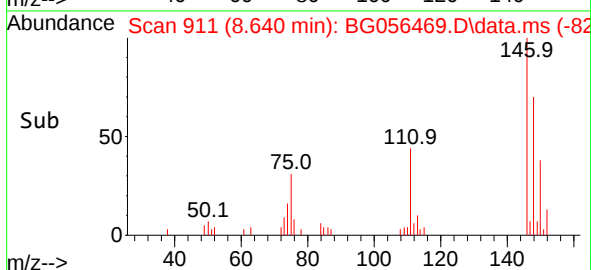
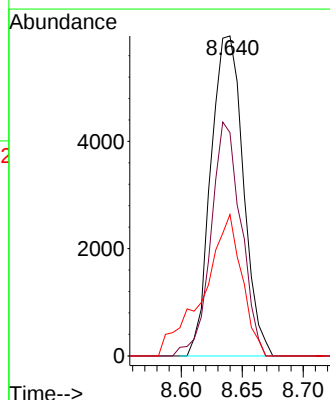
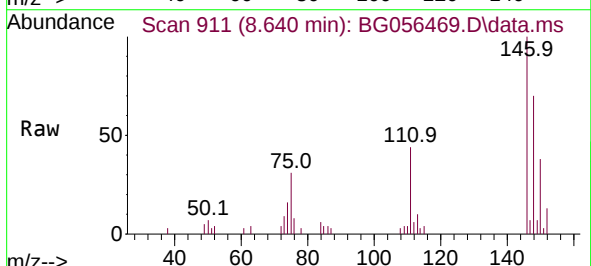
RT: 8.640 min Scan# 911

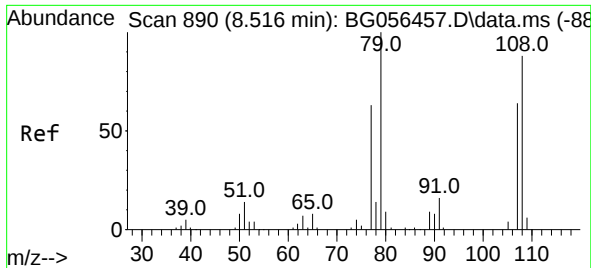
Delta R.T. 0.000 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Tgt Ion:146 Resp: 11024
 Ion Ratio Lower Upper
 146 100
 148 69.8 50.1 75.1
 111 44.2 30.9 46.3





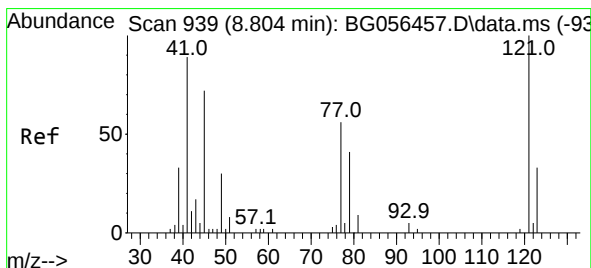
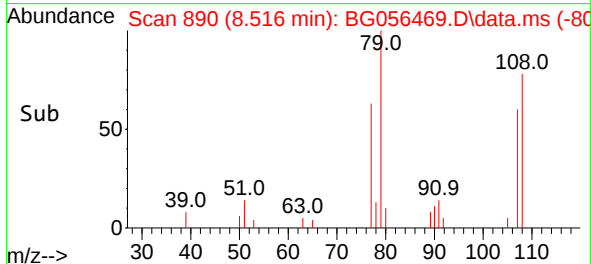
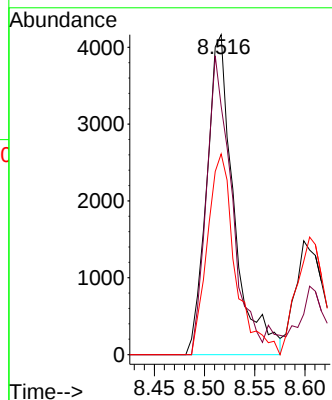
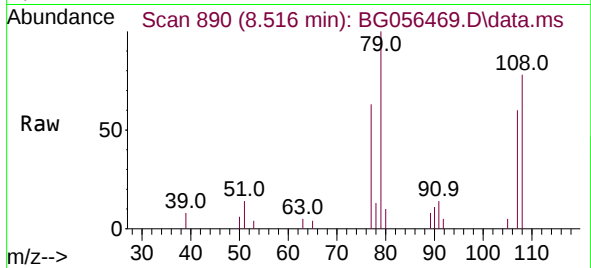
#15
Benzyl Alcohol
Concen: 4.800 ng
RT: 8.516 min Scan# 890
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion: 79 Resp: 788
Ion Ratio Lower Upper
79 100
108 77.6 70.1 105.1
77 62.7 50.3 75.5

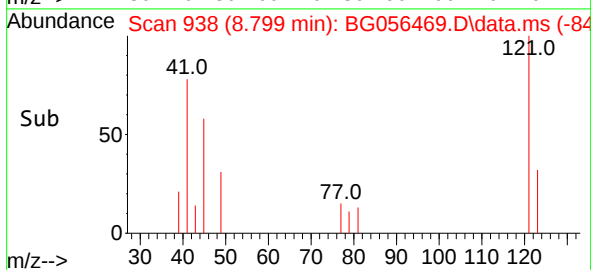
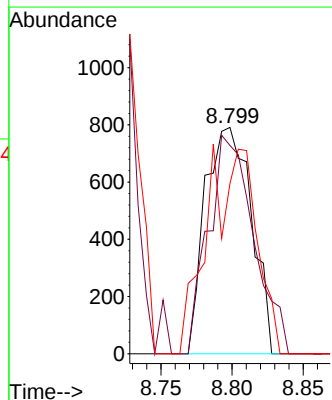
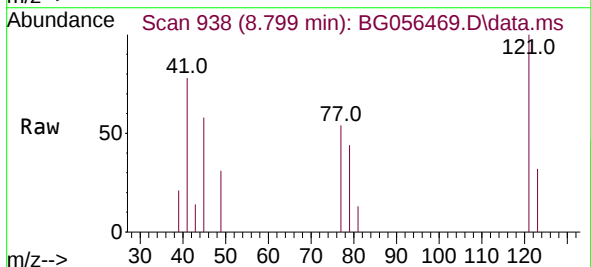
Manual Integrations
APPROVED

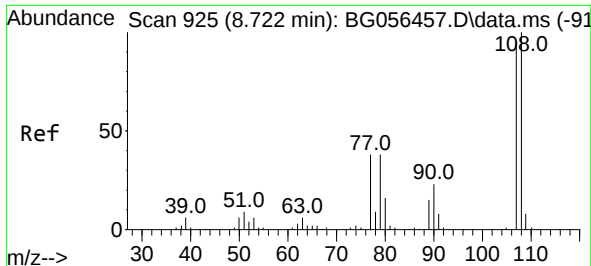
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.034 ng
RT: 8.799 min Scan# 938
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

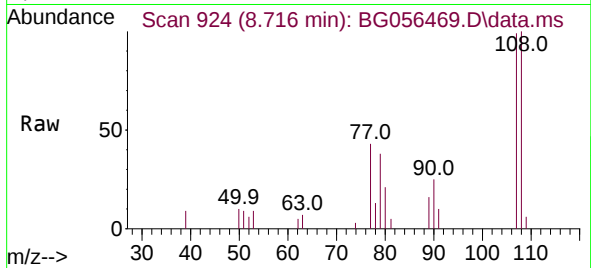
Tgt Ion: 45 Resp: 1783
Ion Ratio Lower Upper
45 100
77 92.0 62.1 102.1
79 75.2 42.7 82.7





#17
2-Methylphenol
Concen: 4.652 ng
RT: 8.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

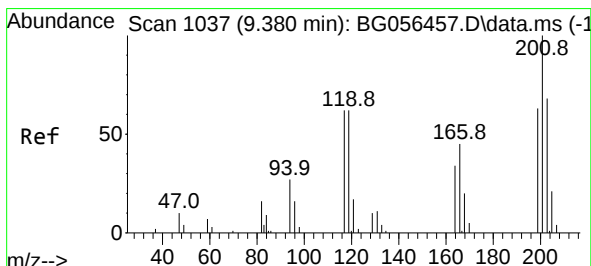
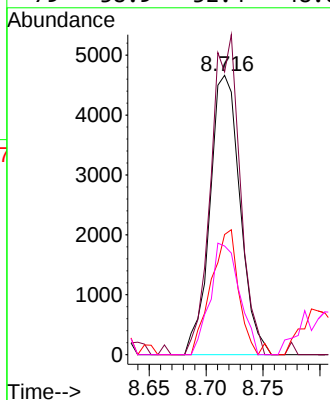
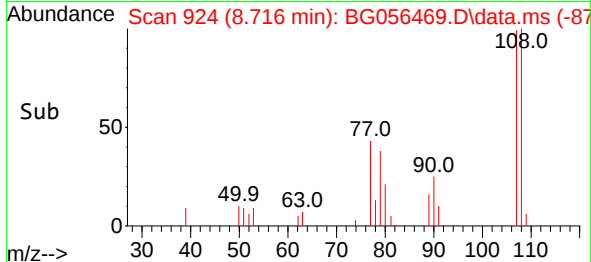
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



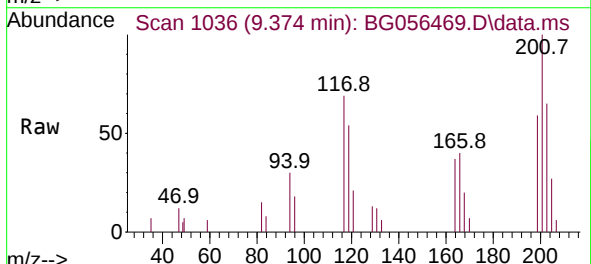
Tgt Ion:107 Resp: 8608
Ion Ratio Lower Upper
107 100
108 101.2 83.9 125.9
77 43.0 31.6 47.4
79 38.9 32.4 48.6

Manual Integrations
APPROVED

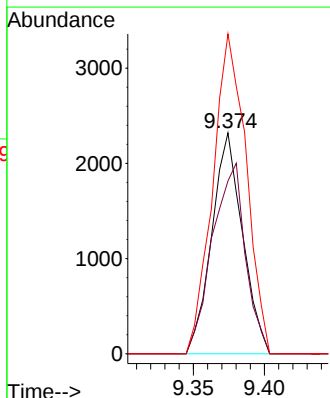
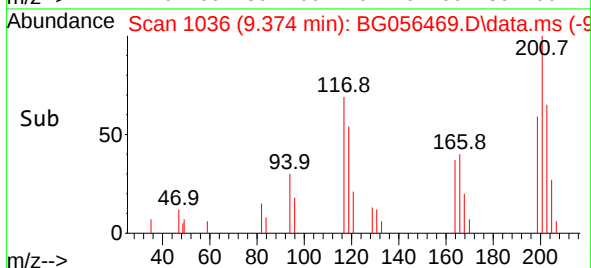
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

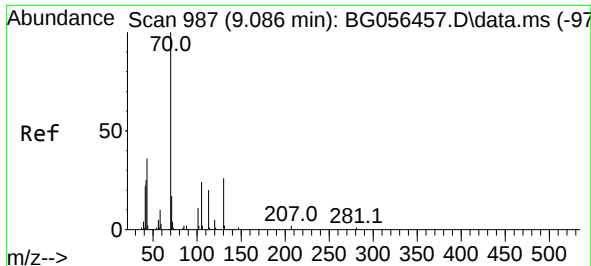


#18
Hexachloroethane
Concen: 5.578 ng
RT: 9.374 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31



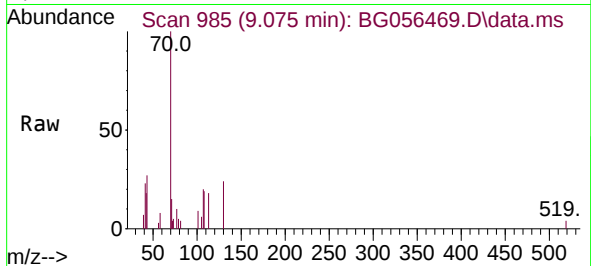
Tgt Ion:117 Resp: 3490
Ion Ratio Lower Upper
117 100
119 78.2 79.4 119.0#
201 144.7 128.5 192.7





#19
n-Nitroso-di-n-propylamine
Concen: 4.996 ng
RT: 9.075 min Scan# 985
Delta R.T. -0.011 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

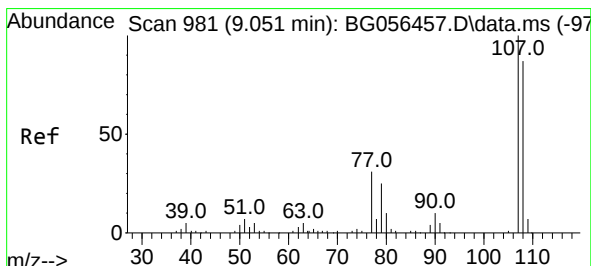
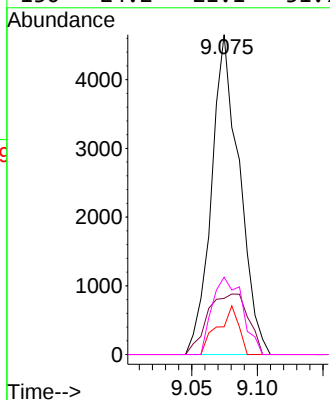
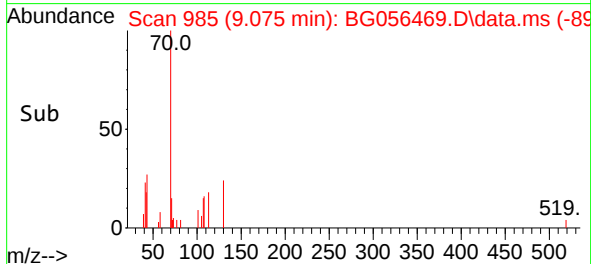
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



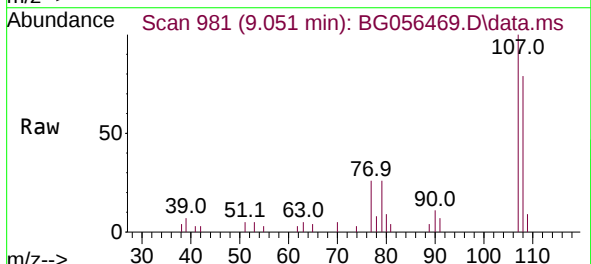
Tgt Ion: 70 Resp: 6889
Ion Ratio Lower Upper
70 100
42 17.6 20.2 30.4
101 8.7 9.1 13.7
130 24.2 21.1 31.7

Manual Integrations
APPROVED

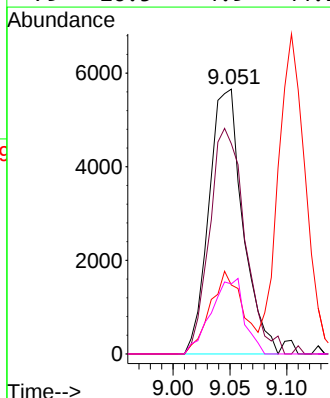
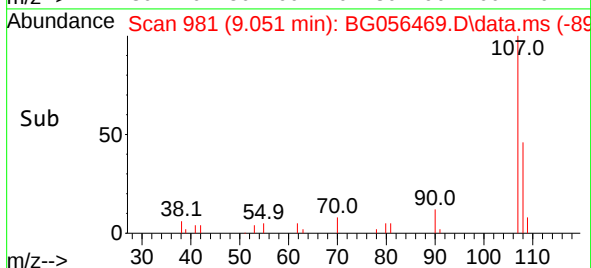
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

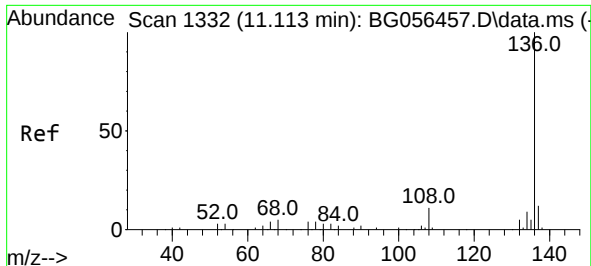


#20
3+4-Methylphenols
Concen: 4.524 ng
RT: 9.051 min Scan# 981
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31



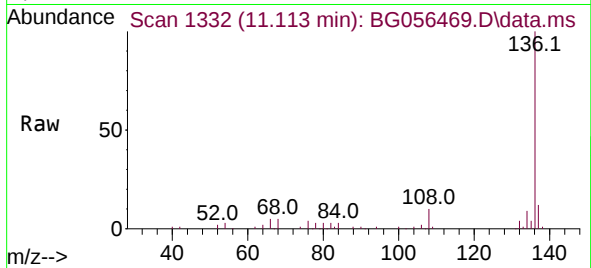
Tgt Ion:107 Resp: 11730
Ion Ratio Lower Upper
107 100
108 79.4 66.7 106.7
77 26.0 10.6 50.6
79 26.5 4.9 44.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.113 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

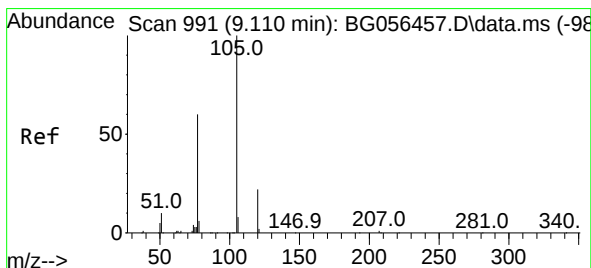
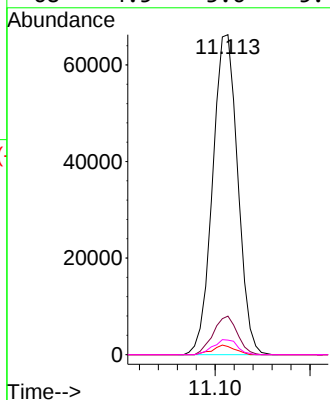
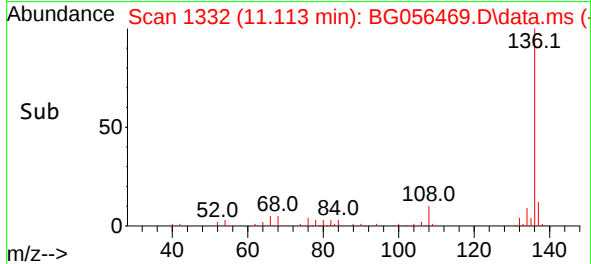
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:136 Resp: 121869
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.0
54 2.5 2.2 3.4
68 4.5 3.6 5.4

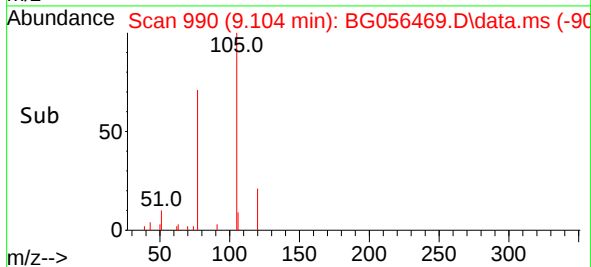
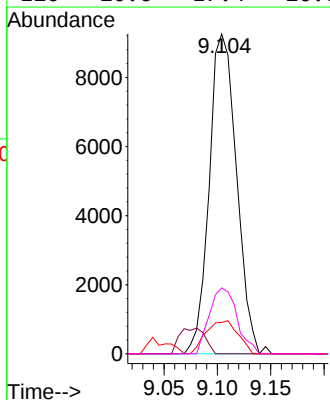
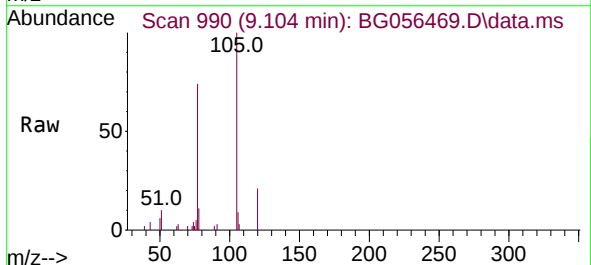
Manual Integrations
APPROVED

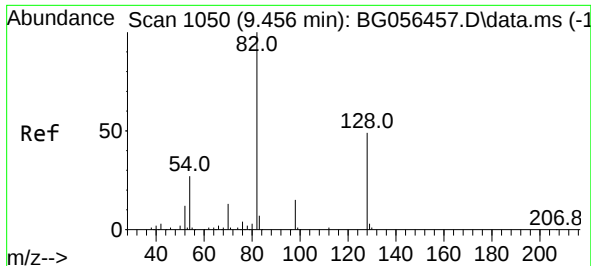
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#22
Acetophenone
Concen: 5.102 ng
RT: 9.104 min Scan# 990
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:105 Resp: 16522
Ion Ratio Lower Upper
105 100
71 0.0 0.6 0.8#
51 9.8 9.2 13.8
120 20.6 17.4 26.0





#23

Nitrobenzene-d5

Concen: 74.308 ng

RT: 9.451 min Scan# 1049

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

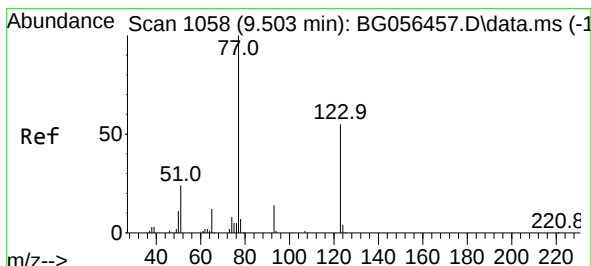
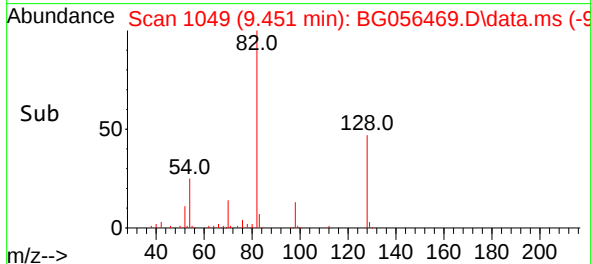
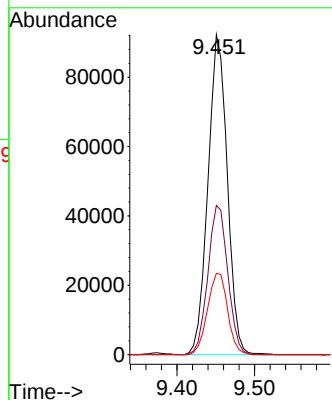
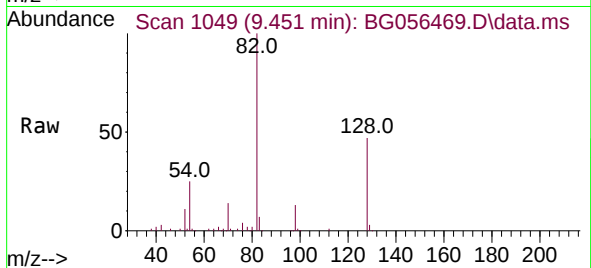
Tgt Ion:	82	Resp:	159476
Ion	Ratio	Lower	Upper
82	100		
128	46.6	39.4	59.2
54	25.4	21.4	32.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#24

Nitrobenzene

Concen: 4.953 ng

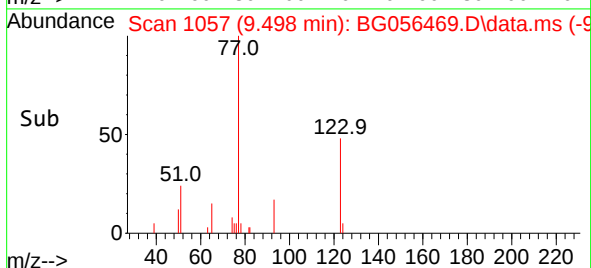
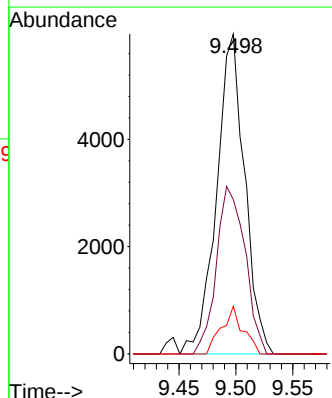
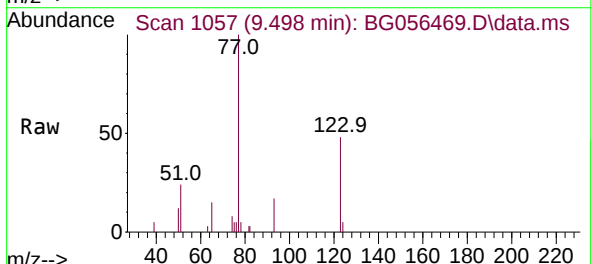
RT: 9.498 min Scan# 1057

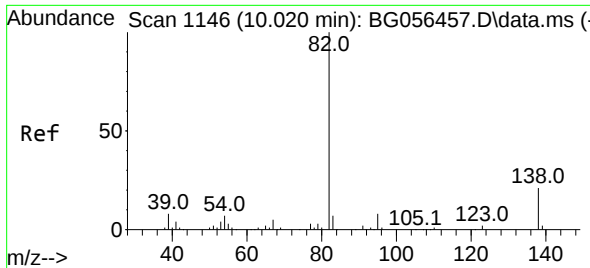
Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Tgt Ion:	77	Resp:	10254
Ion	Ratio	Lower	Upper
77	100		
123	48.2	44.0	66.0
65	14.9	9.7	14.5





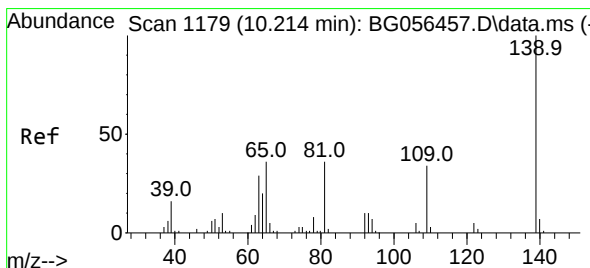
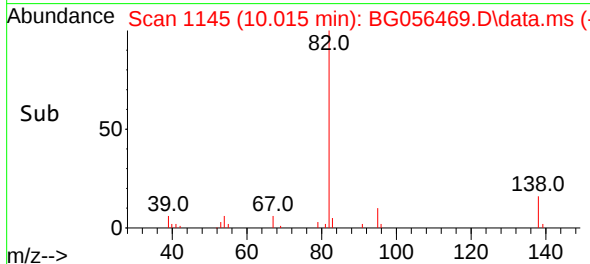
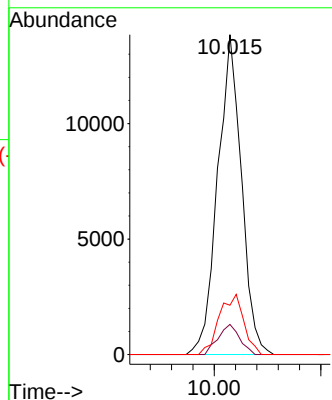
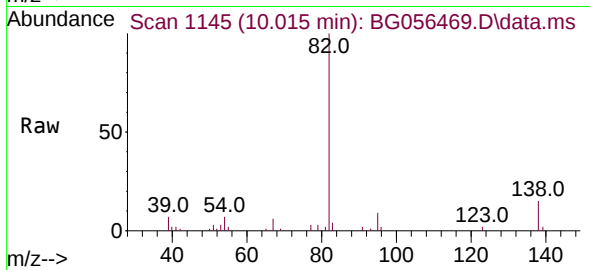
#25
Isophorone
Concen: 4.845 ng
RT: 10.015 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion: 82 Resp: 21450
Ion Ratio Lower Upper
82 100
95 9.4 6.3 9.5
138 15.4 16.6 25.0

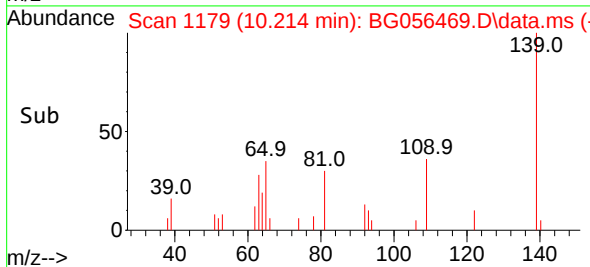
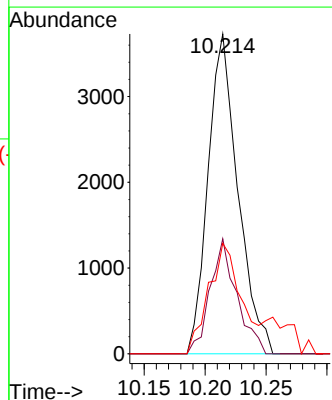
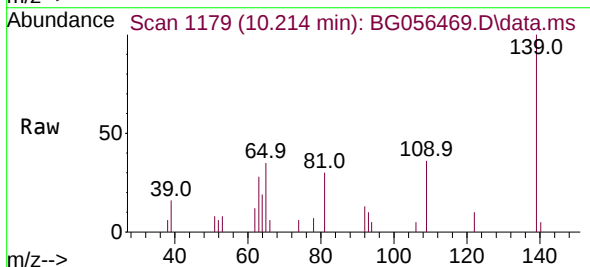
Manual Integrations
APPROVED

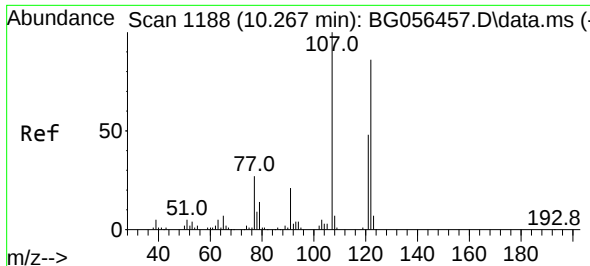
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#26
2-Nitrophenol
Concen: 5.062 ng
RT: 10.214 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

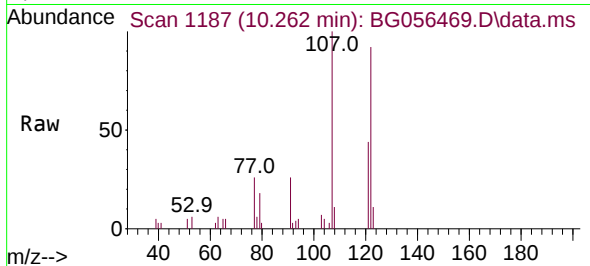
Tgt Ion:139 Resp: 6358
Ion Ratio Lower Upper
139 100
109 36.0 26.9 40.3
65 34.5 29.0 43.4





#27
2,4-Dimethylphenol
Concen: 4.383 ng
RT: 10.262 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

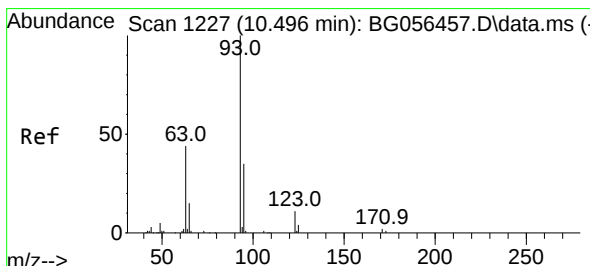
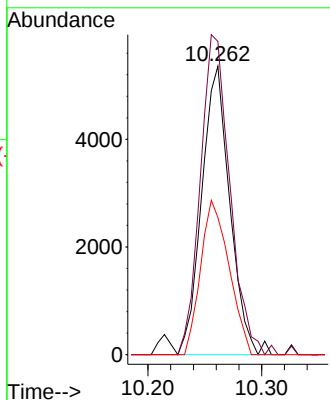
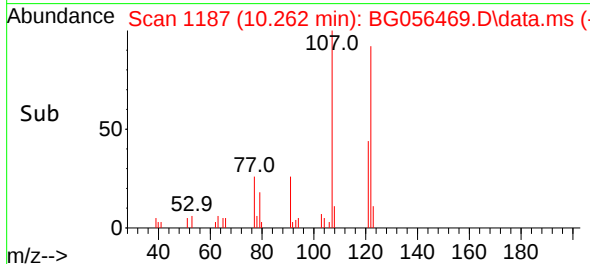
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion: 122 Resp: 9214
Ion Ratio Lower Upper
122 100
107 108.6 92.9 139.3
121 47.6 45.0 67.4

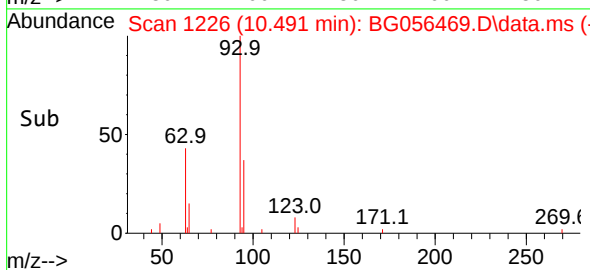
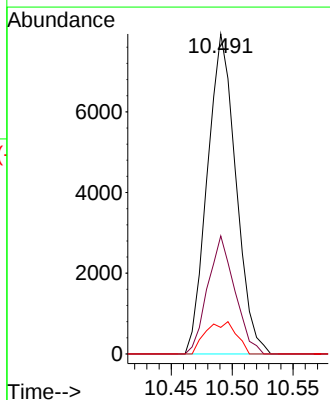
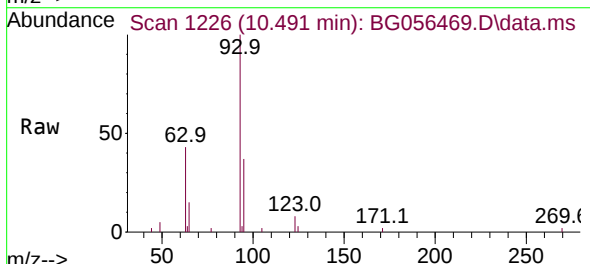
Manual Integrations
APPROVED

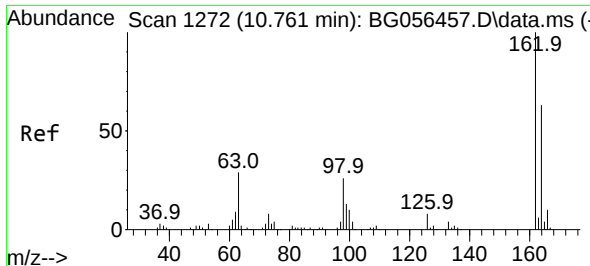
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#28
bis(2-Chloroethoxy)methane
Concen: 5.288 ng
RT: 10.491 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion: 93 Resp: 12935
Ion Ratio Lower Upper
93 100
95 36.9 27.9 41.9
123 8.3 8.6 12.8#





#29

2,4-Dichlorophenol

Concen: 4.835 ng

RT: 10.755 min Scan# 11439

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

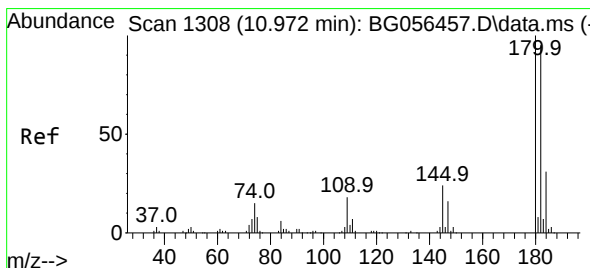
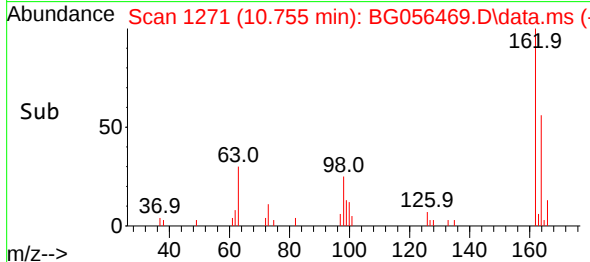
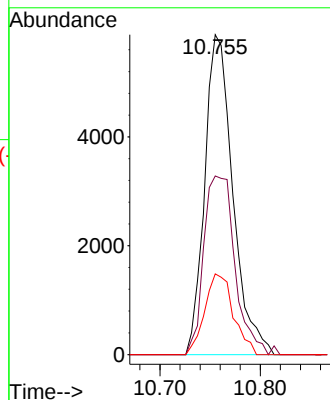
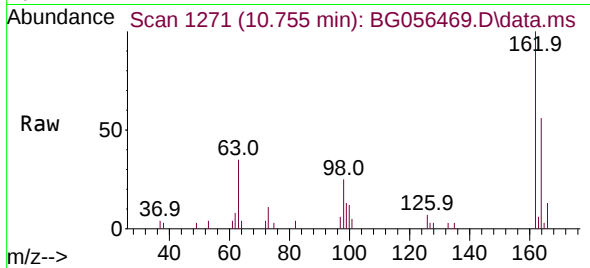
LOQ-SOIL-02-QT3-2022

Tgt Ion:162	Resp:	11439
Ion Ratio	Lower	Upper
162	100	
164	55.8	42.8 82.8
98	25.2	6.5 46.5

Manual Integrations

APPROVED

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



#30

1,2,4-Trichlorobenzene

Concen: 5.222 ng

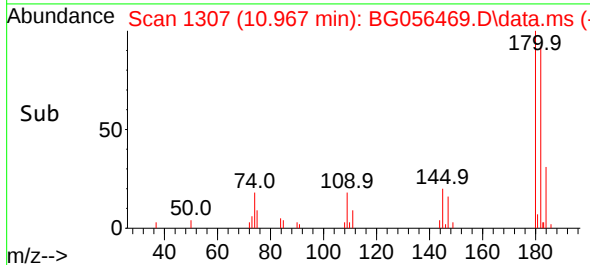
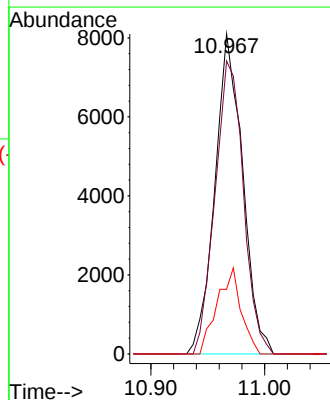
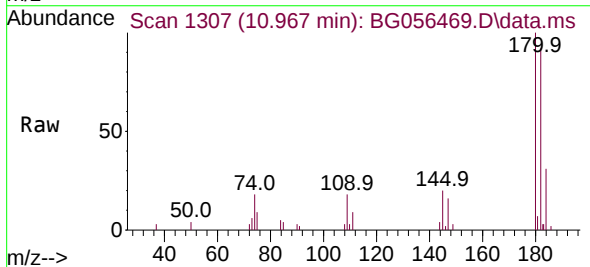
RT: 10.967 min Scan# 1307

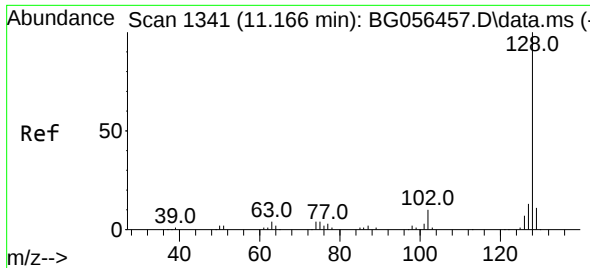
Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

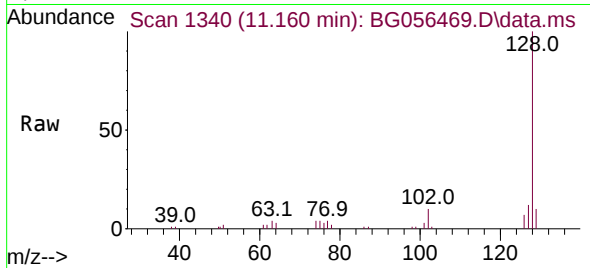
Tgt Ion:180	Resp:	13731
Ion Ratio	Lower	Upper
180	100	
182	88.6	75.9 113.9
145	18.9	19.4 29.0





#31
Naphthalene
Concen: 5.160 ng
RT: 11.160 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

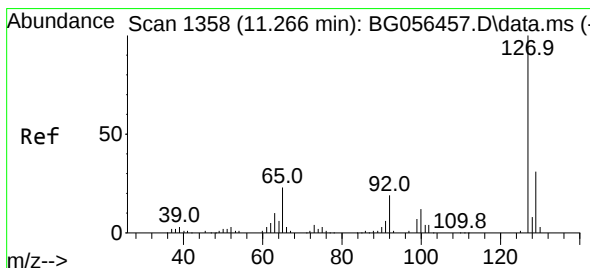
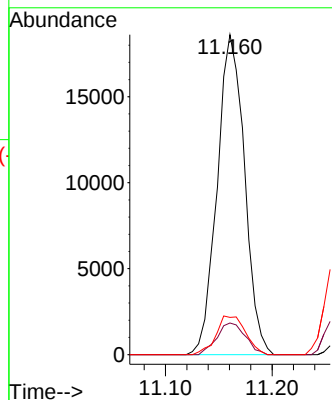
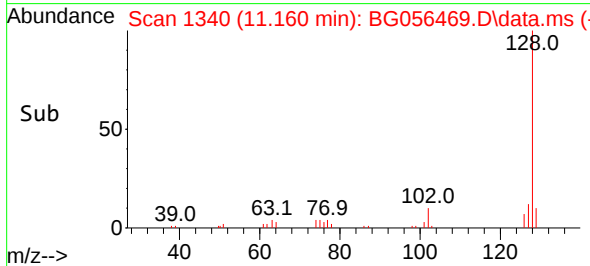
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



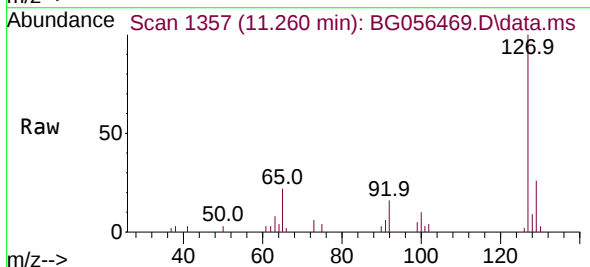
Tgt Ion:128 Resp: 33190
Ion Ratio Lower Upper
128 100
129 9.9 8.7 13.1
127 11.6 10.4 15.6

Manual Integrations
APPROVED

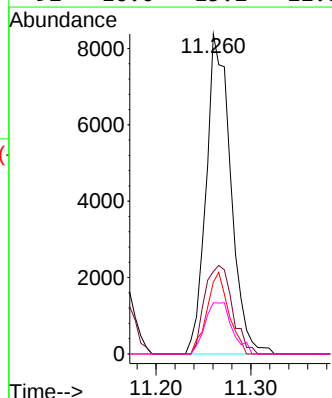
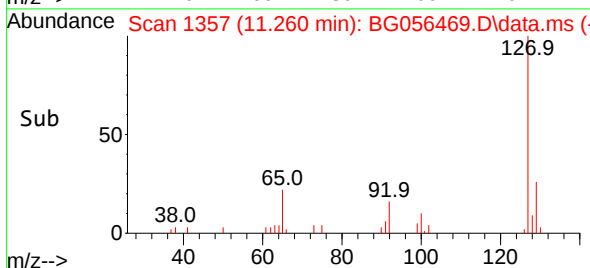
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

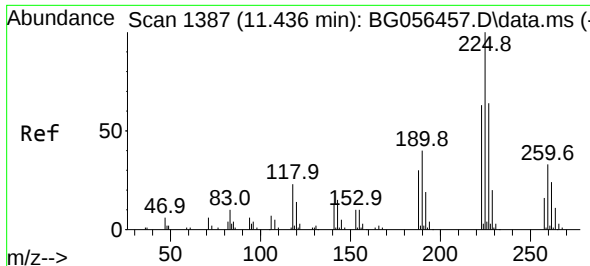


#33
4-Chloroaniline
Concen: 5.036 ng
RT: 11.260 min Scan# 1357
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31



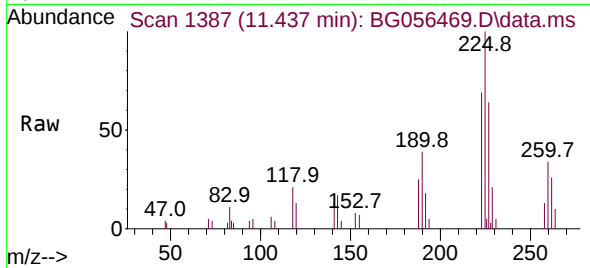
Tgt Ion:127 Resp: 15122
Ion Ratio Lower Upper
127 100
129 25.7 25.0 37.6
65 22.4 18.5 27.7
92 16.0 15.2 22.8





#34
Hexachlorobutadiene
Concen: 5.230 ng
RT: 11.437 min Scan# 1483
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

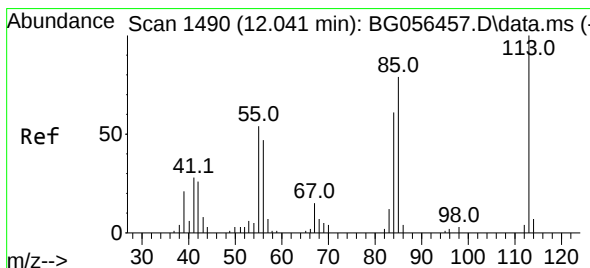
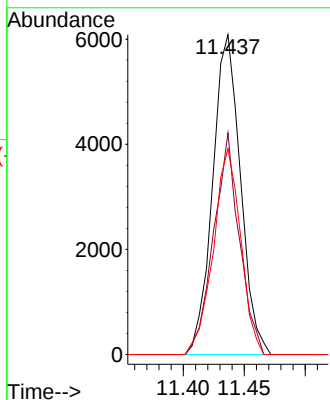
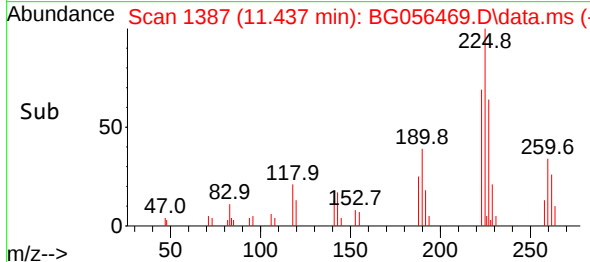
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:225 Resp: 9652
Ion Ratio Lower Upper
225 100
223 65.9 50.6 75.8
227 61.2 53.7 80.5

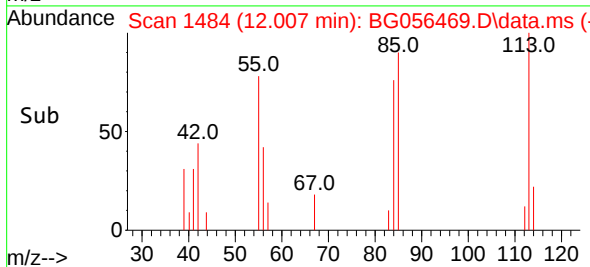
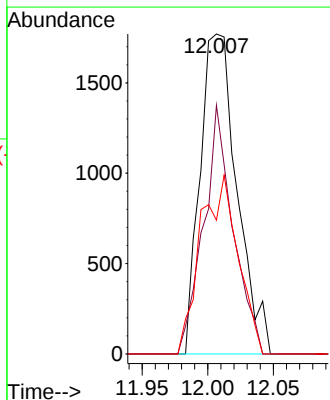
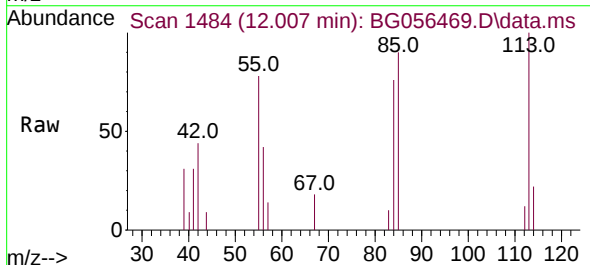
Manual Integrations
APPROVED

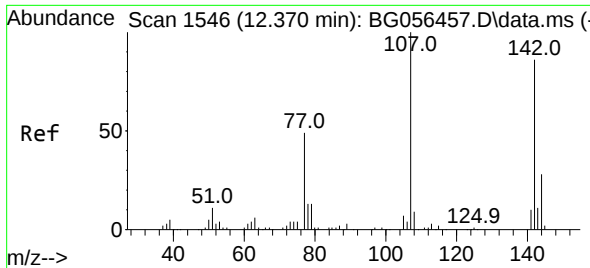
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#35
Caprolactam
Concen: 4.354 ng
RT: 12.007 min Scan# 1484
Delta R.T. -0.035 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

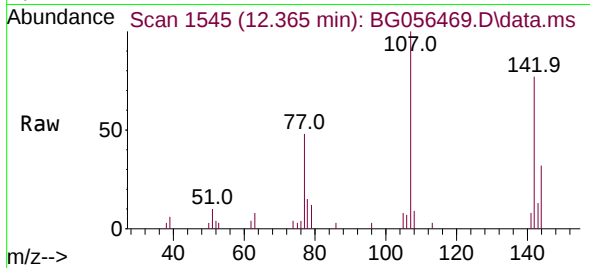
Tgt Ion:113 Resp: 3474
Ion Ratio Lower Upper
113 100
55 77.7 33.7 73.7#
56 41.8 27.1 67.1





#36
4-Chloro-3-methylphenol
Concen: 4.842 ng
RT: 12.365 min Scan# 1106
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

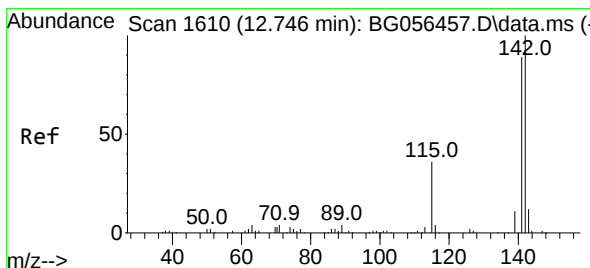
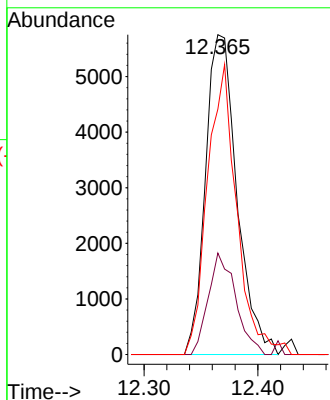
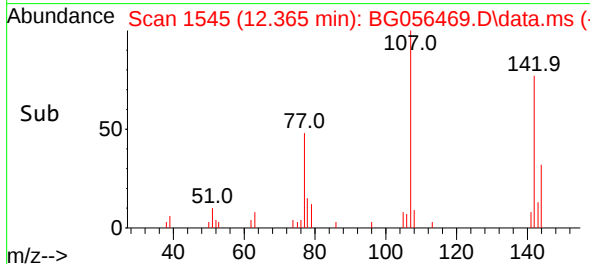
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



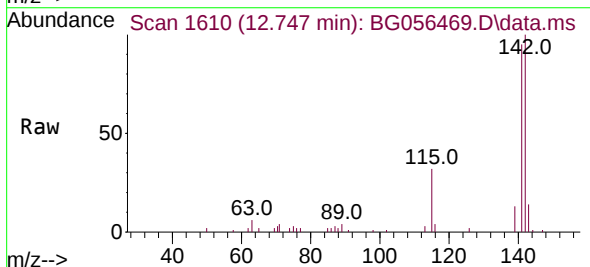
Tgt Ion:107 Resp: 1106
Ion Ratio Lower Upper
107 100
144 31.7 22.3 33.5
142 76.7 68.9 103.3

Manual Integrations
APPROVED

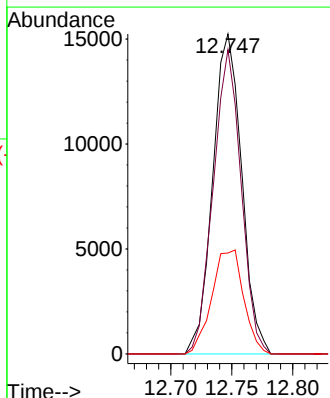
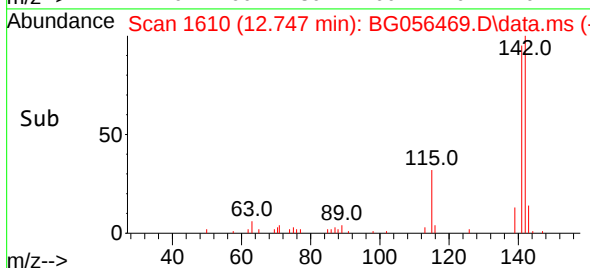
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

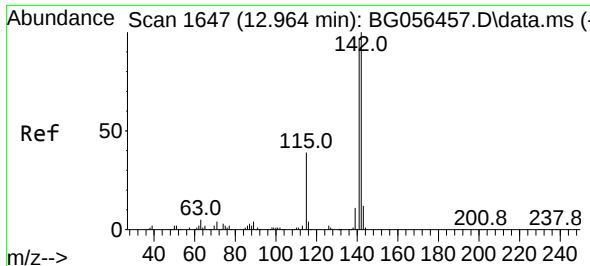


#37
2-Methylnaphthalene
Concen: 4.748 ng
RT: 12.747 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31



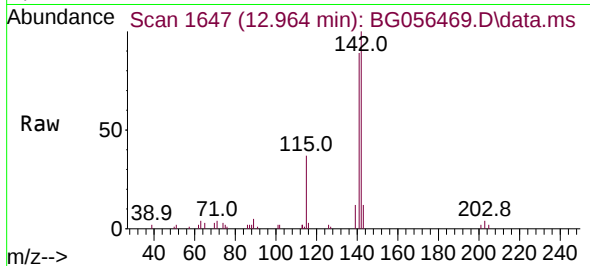
Tgt Ion:142 Resp: 25179
Ion Ratio Lower Upper
142 100
141 95.1 71.4 107.0
115 31.5 28.4 42.6





#38
1-Methylnaphthalene
Concen: 5.045 ng m
RT: 12.964 min Scan# 1647
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

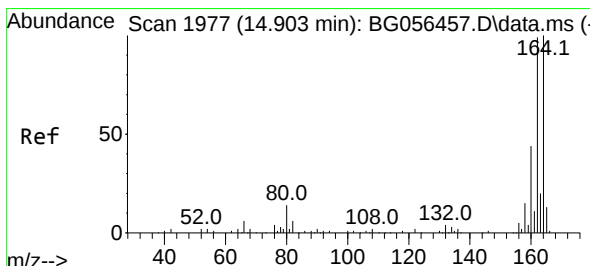
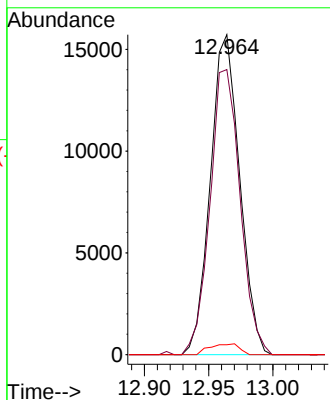
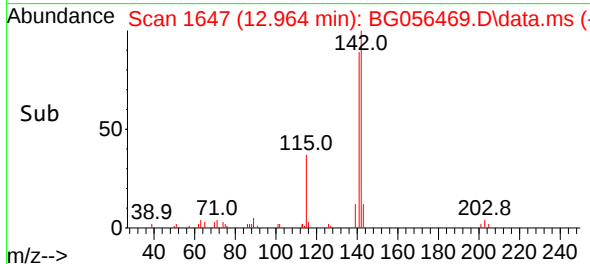
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:142 Resp: 24986
Ion Ratio Lower Upper
142 100
141 89.1 77.7 116.5
116 3.1 3.4 5.2

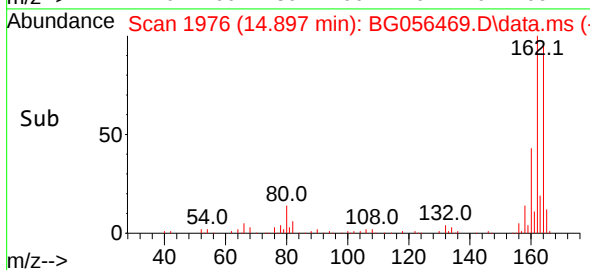
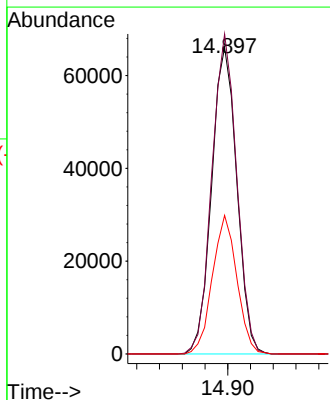
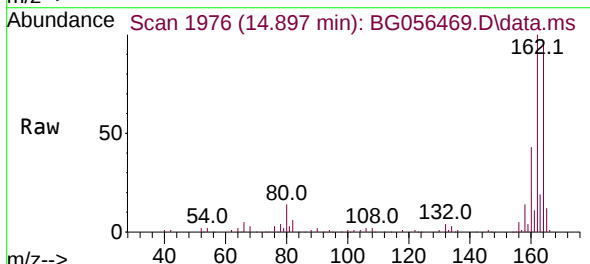
Manual Integrations
APPROVED

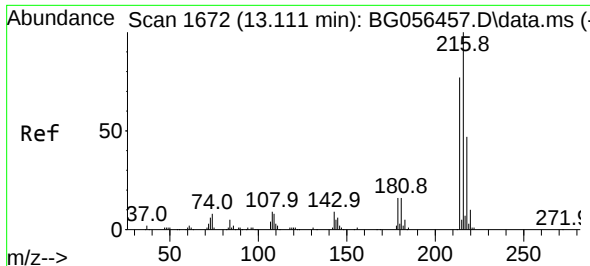
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.897 min Scan# 1976
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

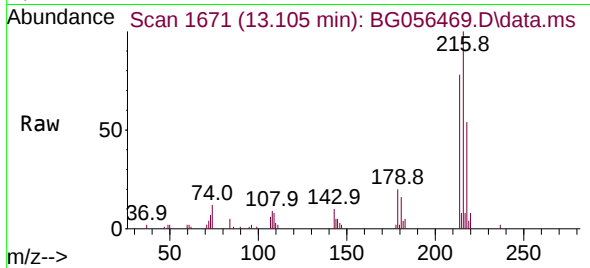
Tgt Ion:164 Resp: 101378
Ion Ratio Lower Upper
164 100
162 104.4 79.6 119.4
160 45.2 34.9 52.3





#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.029 ng
RT: 13.105 min Scan# 1671
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

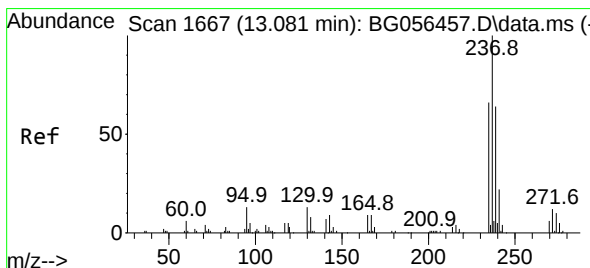
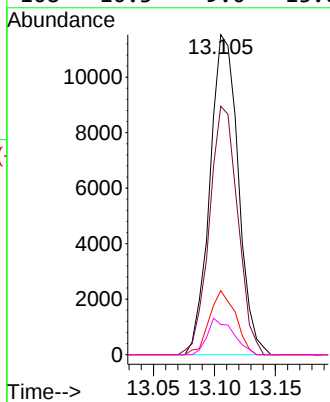
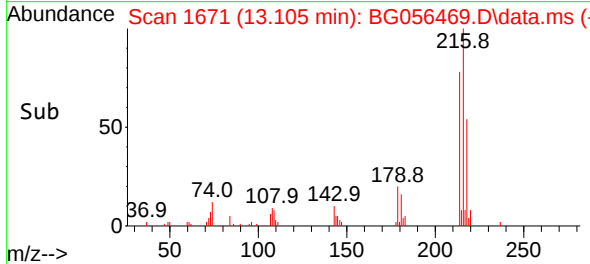
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



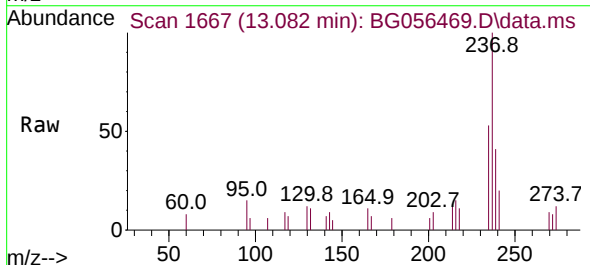
Tgt Ion:216 Resp: 18626
Ion Ratio Lower Upper
216 100
214 77.5 63.0 94.6
179 18.5 14.1 21.1
108 10.3 9.0 13.6

Manual Integrations
APPROVED

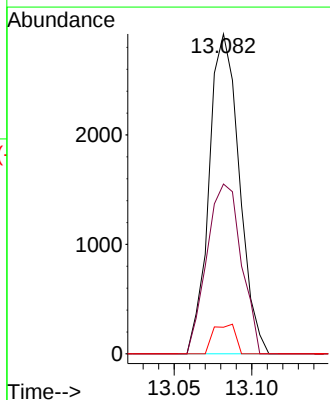
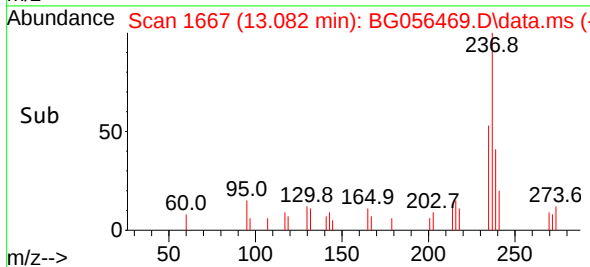
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

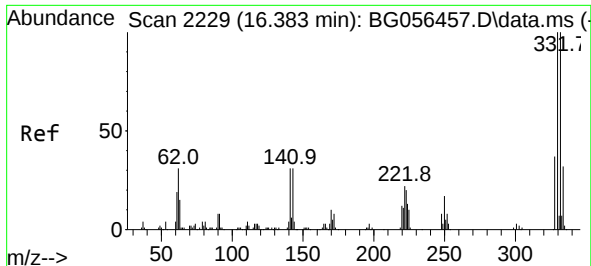


#41
Hexachlorocyclopentadiene
Concen: 8.239 ng
RT: 13.082 min Scan# 1667
Delta R.T. 0.001 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31



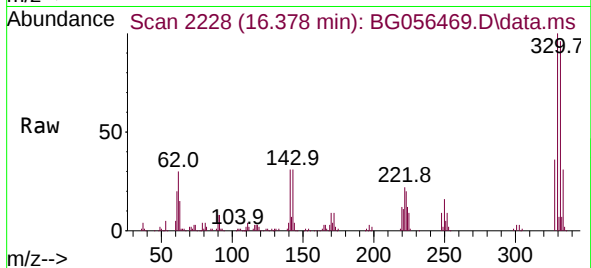
Tgt Ion:237 Resp: 3983
Ion Ratio Lower Upper
237 100
235 53.1 45.6 85.6
272 8.3 0.0 32.3





#42
2,4,6-Tribromophenol
Concen: 114.943 ng
RT: 16.378 min Scan# 211
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

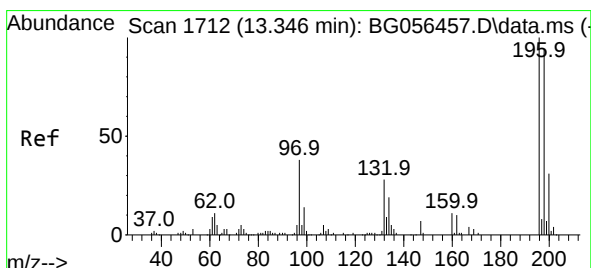
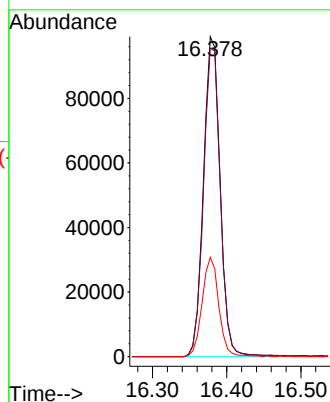
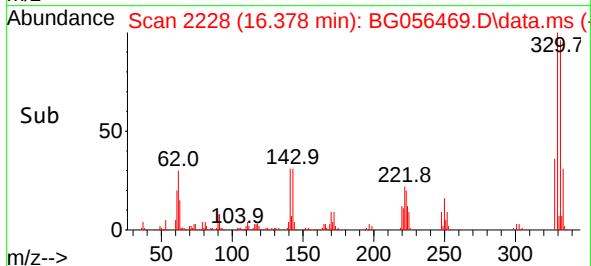
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:330 Resp: 154915
Ion Ratio Lower Upper
330 100
332 97.5 79.0 118.6
141 30.8 24.2 36.4

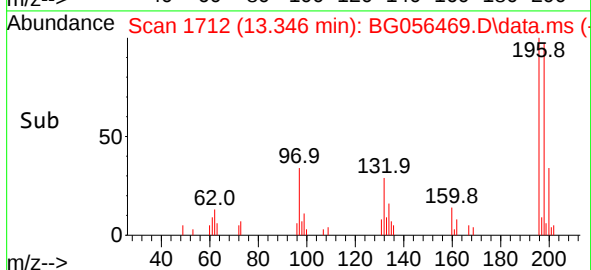
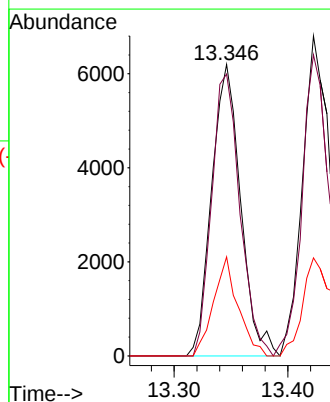
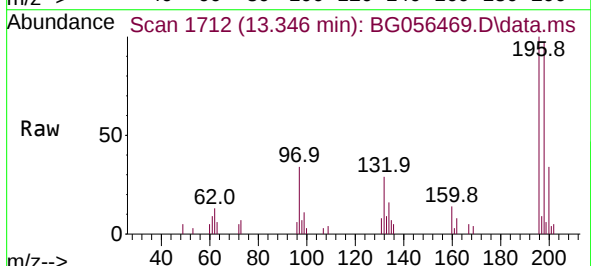
Manual Integrations
APPROVED

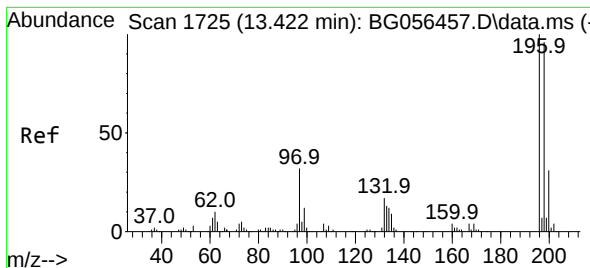
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#43
2,4,6-Trichlorophenol
Concen: 4.592 ng
RT: 13.346 min Scan# 1712
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

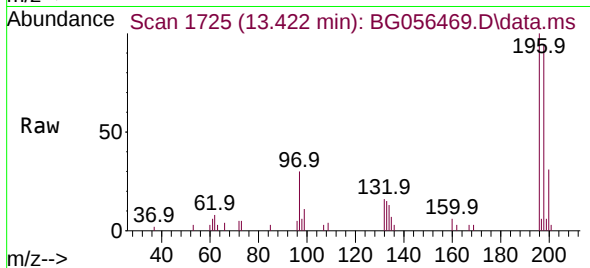
Tgt Ion:196 Resp: 10960
Ion Ratio Lower Upper
196 100
198 102.3 75.4 113.0
200 34.0 25.0 37.6





#44
2,4,5-Trichlorophenol
Concen: 4.380 ng
RT: 13.422 min Scan# 1725
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

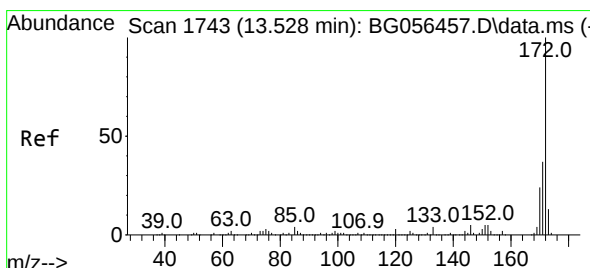
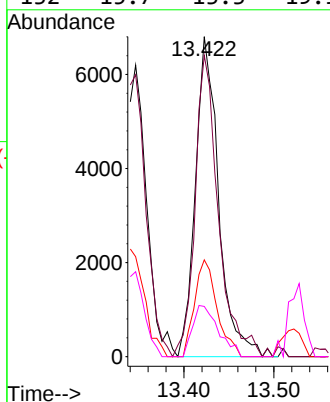
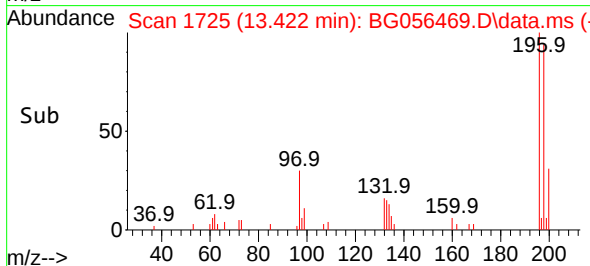
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



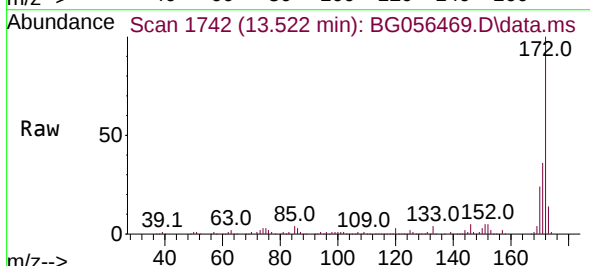
Tgt Ion:196 Resp: 12240
Ion Ratio Lower Upper
196 100
198 94.1 76.9 115.3
97 30.3 25.8 38.6
132 15.7 13.3 19.9

Manual Integrations
APPROVED

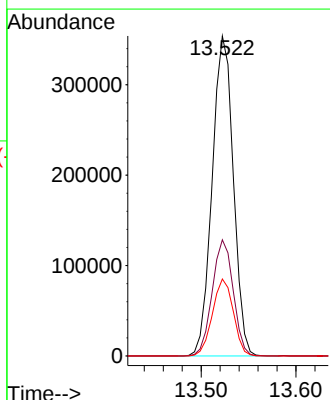
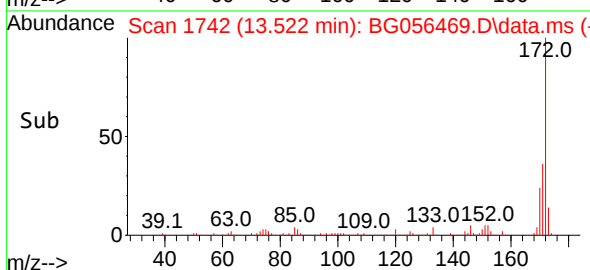
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

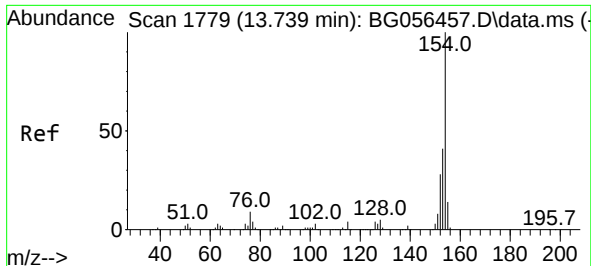


#45
2-Fluorobiphenyl
Concen: 75.038 ng
RT: 13.522 min Scan# 1742
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31



Tgt Ion:172 Resp: 548690
Ion Ratio Lower Upper
172 100
171 36.3 29.5 44.3
170 24.0 19.2 28.8





#46

1,1'-Biphenyl

Concen: 5.141 ng

RT: 13.734 min Scan# 1779

Delta R.T. -0.005 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2022

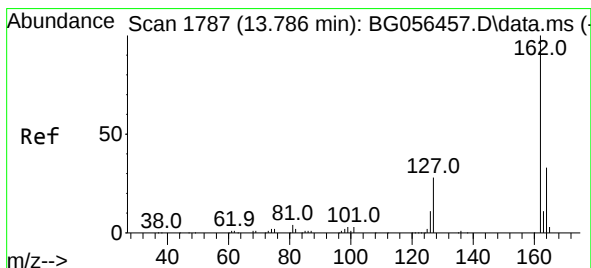
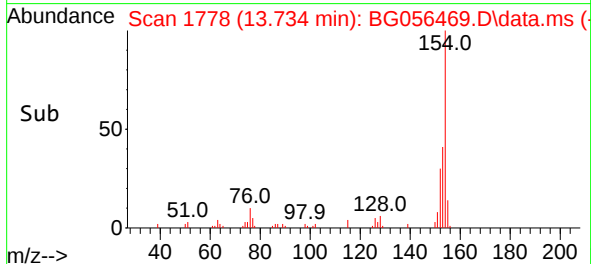
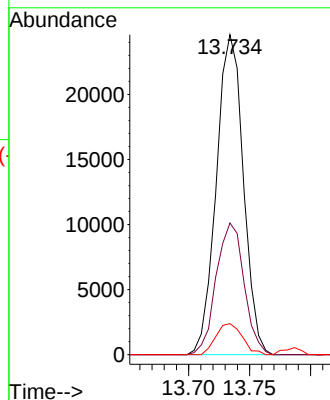
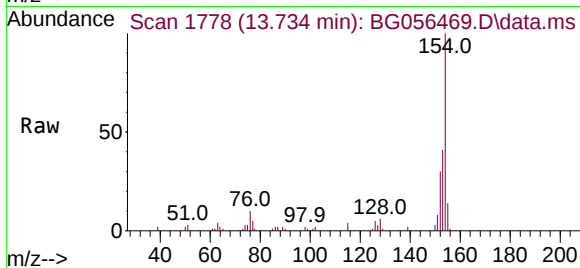
Tgt Ion:154 Resp: 3780

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.5	61.5
76	9.7	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: 5.267 ng

RT: 13.781 min Scan# 1786

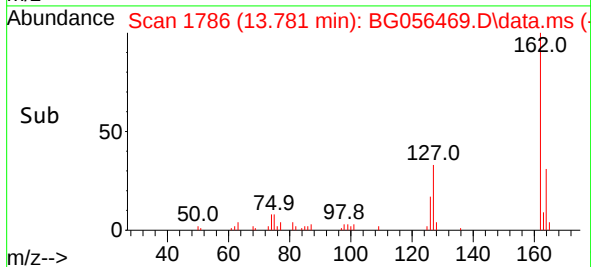
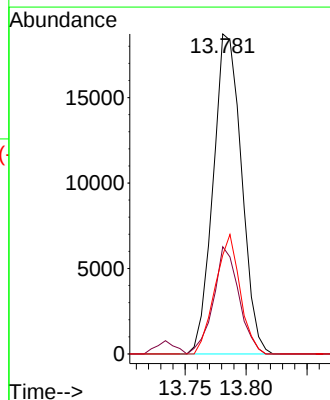
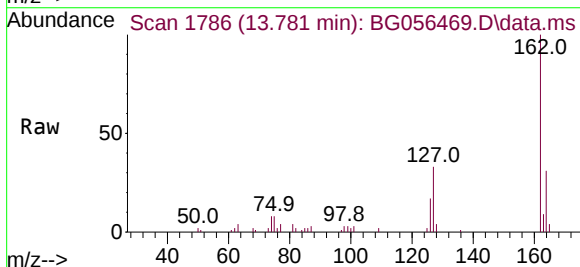
Delta R.T. -0.006 min

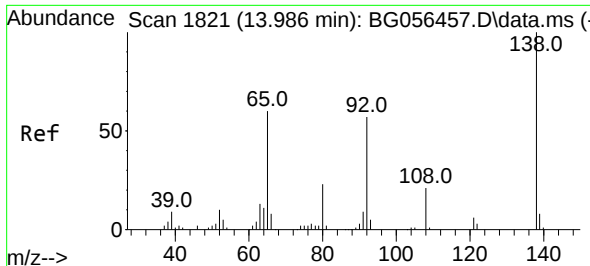
Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Tgt Ion:162 Resp: 30274

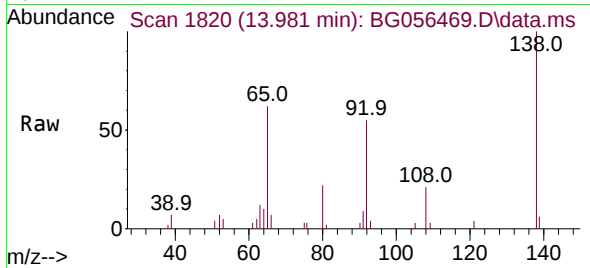
Ion	Ratio	Lower	Upper
162	100		
127	33.5	25.2	37.8
164	30.9	26.2	39.2





#48
2-Nitroaniline
Concen: 5.014 ng
RT: 13.981 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

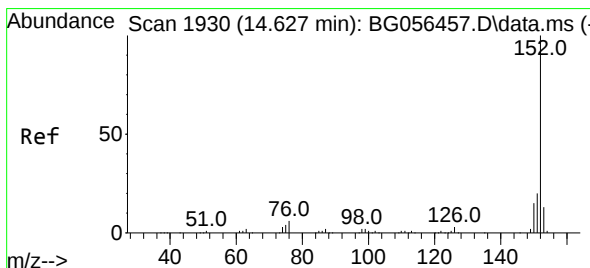
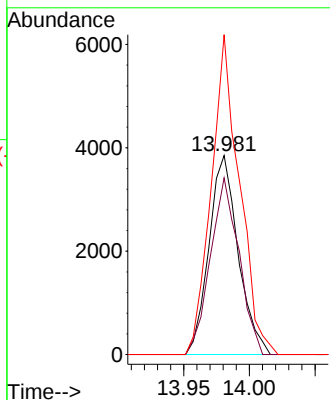
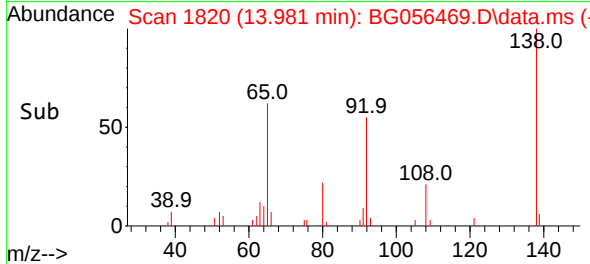
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



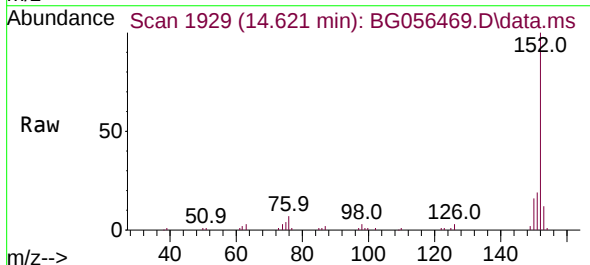
Tgt Ion: 65 Resp: 5952
Ion Ratio Lower Upper
65 100
92 88.8 75.8 113.6
138 160.8 133.2 199.8

Manual Integrations
APPROVED

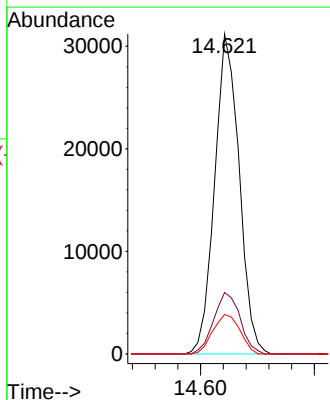
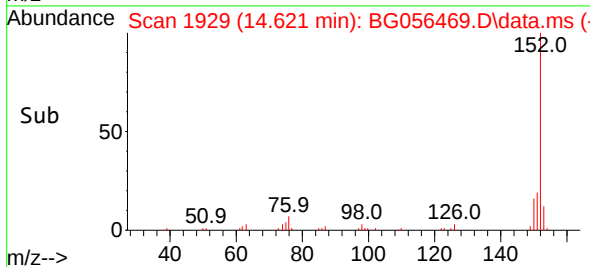
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

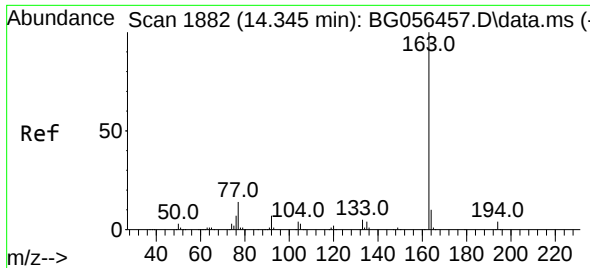


#49
Acenaphthylene
Concen: 4.989 ng
RT: 14.621 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31



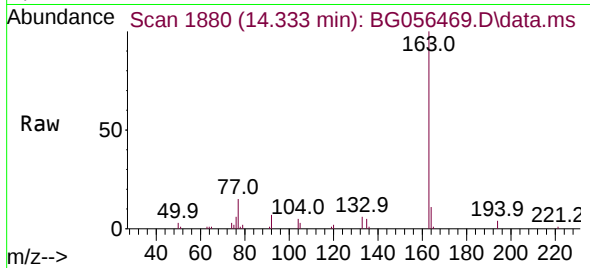
Tgt Ion:152 Resp: 46649
Ion Ratio Lower Upper
152 100
151 19.2 15.9 23.9
153 12.3 10.5 15.7





#50
Dimethylphthalate
Concen: 4.925 ng
RT: 14.333 min Scan# 1882
Delta R.T. -0.011 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

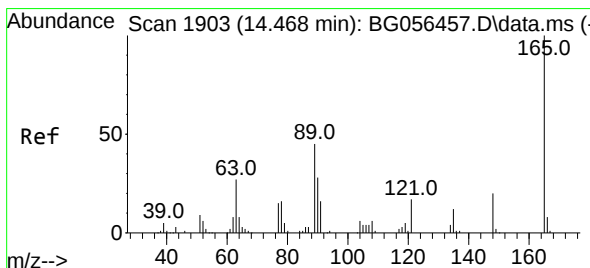
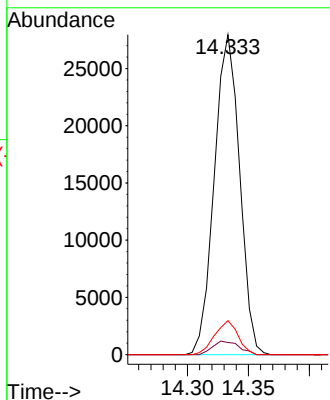
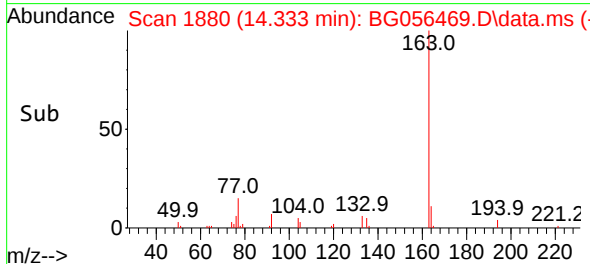
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2022



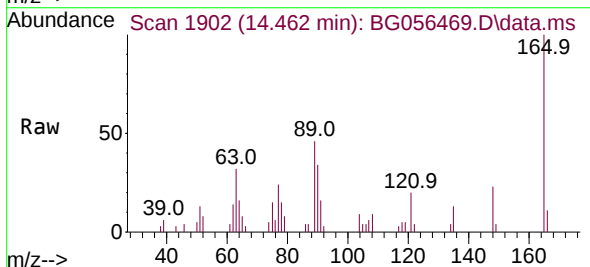
Tgt Ion:163 Resp: 40392
Ion Ratio Lower Upper
163 100
194 3.8 3.5 5.3
164 10.6 8.1 12.1

Manual Integrations
APPROVED

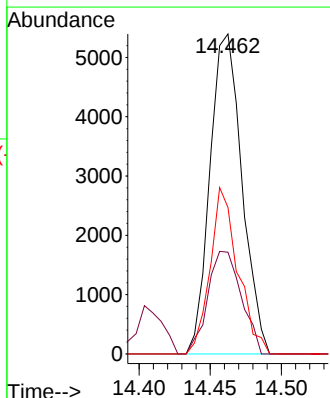
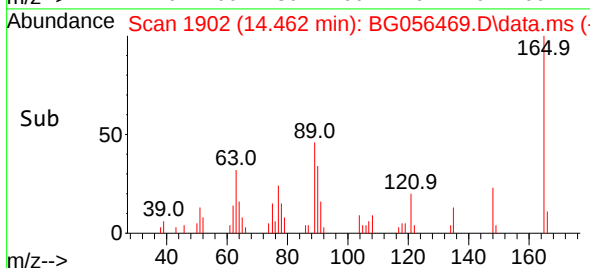
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

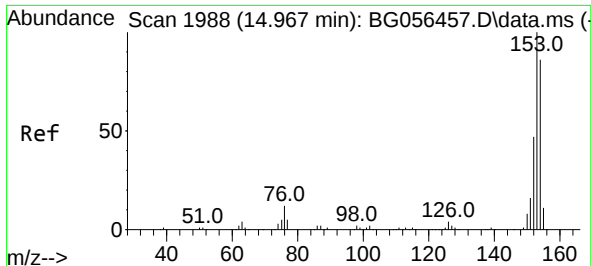


#51
2,6-Dinitrotoluene
Concen: 4.733 ng
RT: 14.462 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31



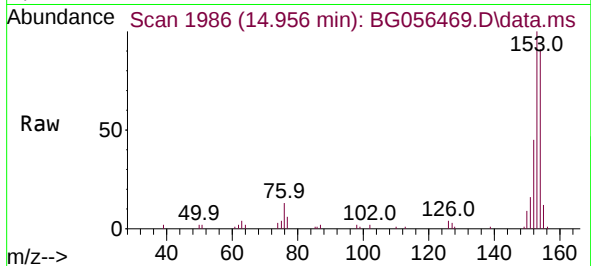
Tgt Ion:165 Resp: 8466
Ion Ratio Lower Upper
165 100
63 31.8 26.9 40.3
89 45.8 35.6 53.4





#52
Acenaphthene
Concen: 5.051 ng
RT: 14.956 min Scan# 1986
Delta R.T. -0.011 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

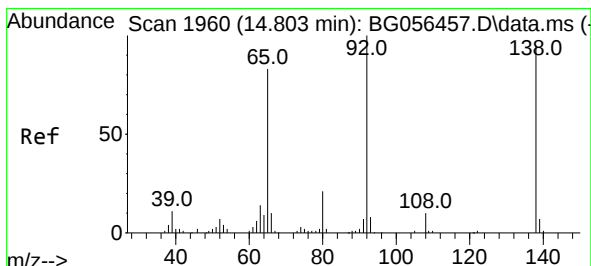
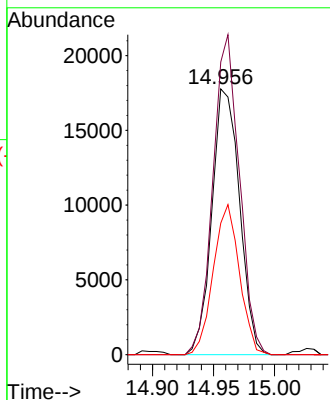
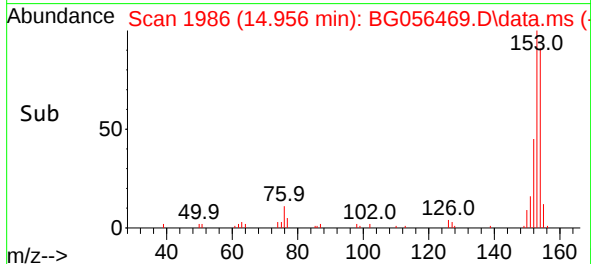
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:154 Resp: 28010
Ion Ratio Lower Upper
154 100
153 110.1 93.4 140.0
152 49.5 43.4 65.2

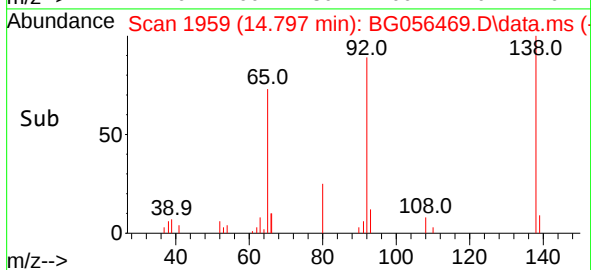
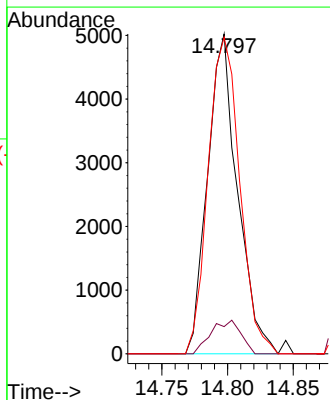
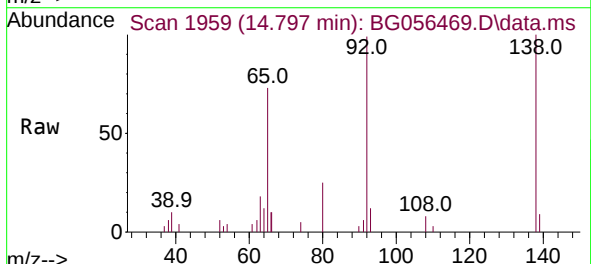
Manual Integrations
APPROVED

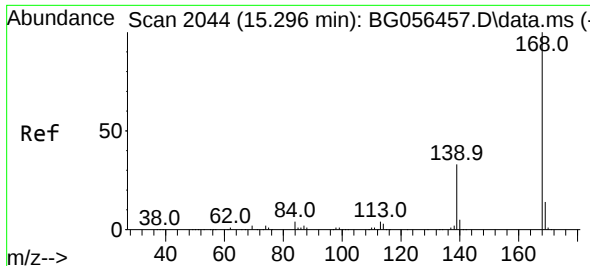
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#53
3-Nitroaniline
Concen: 4.592 ng
RT: 14.797 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

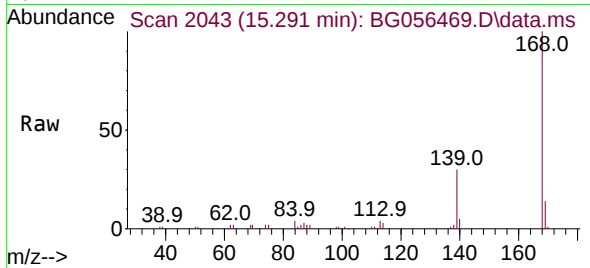
Tgt Ion:138 Resp: 7963
Ion Ratio Lower Upper
138 100
108 8.5 8.0 12.0
92 98.9 84.1 126.1





#55
Dibenzofuran
Concen: 5.083 ng
RT: 15.291 min Scan# 2044
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

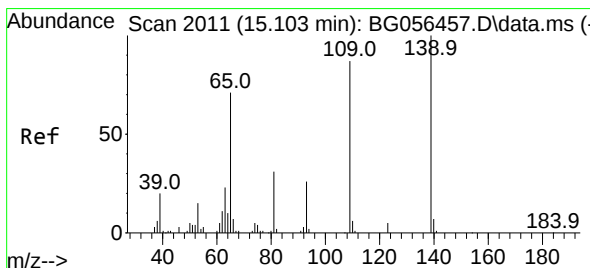
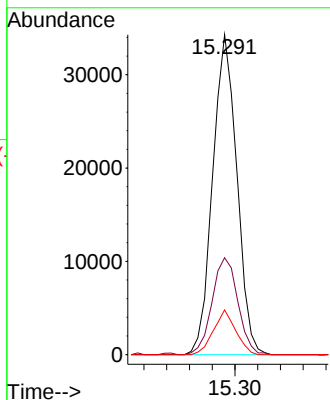
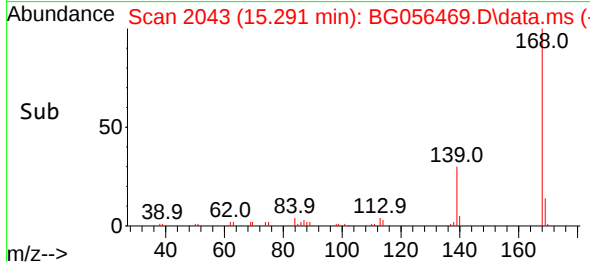
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:168 Resp: 50547
Ion Ratio Lower Upper
168 100
139 30.3 26.2 39.2
169 14.0 11.0 16.6

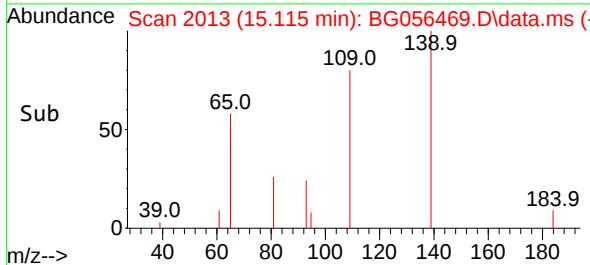
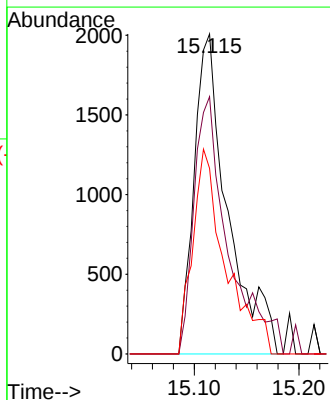
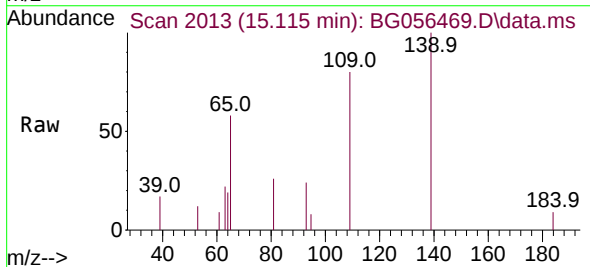
Manual Integrations
APPROVED

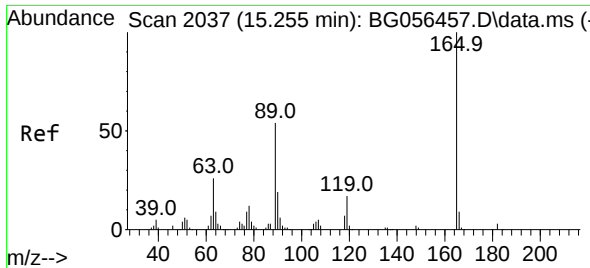
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#56
4-Nitrophenol
Concen: 3.789 ng m
RT: 15.115 min Scan# 2013
Delta R.T. 0.012 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

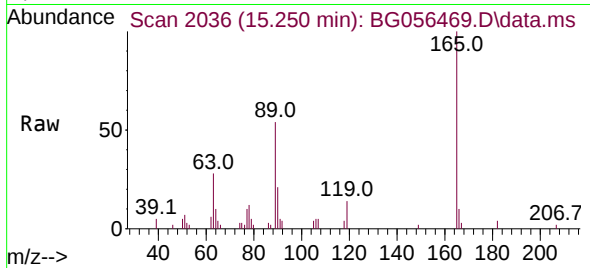
Tgt Ion:139 Resp: 4489
Ion Ratio Lower Upper
139 100
109 80.4 67.5 107.5
65 58.0 50.7 90.7





#57
2,4-Dinitrotoluene
Concen: 4.750 ng
RT: 15.250 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

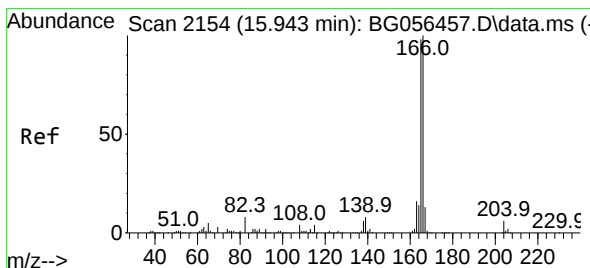
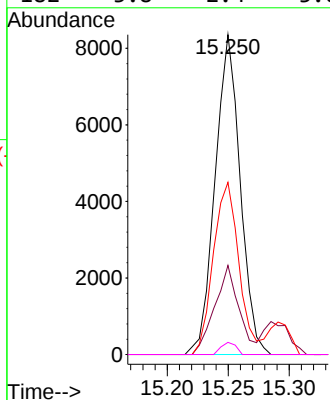
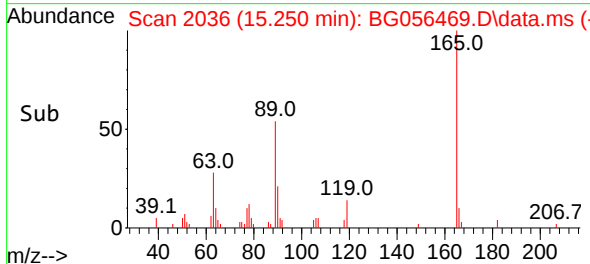
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:165 Resp: 11962
Ion Ratio Lower Upper
165 100
63 27.9 20.6 31.0
89 53.8 43.1 64.7
182 3.8 2.4 3.6#

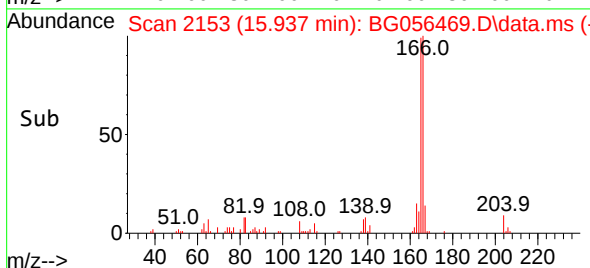
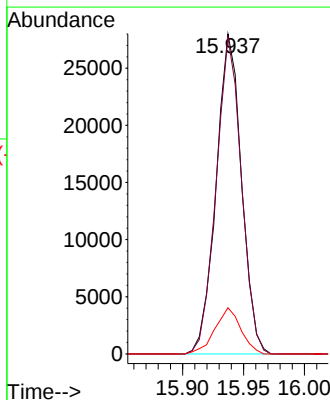
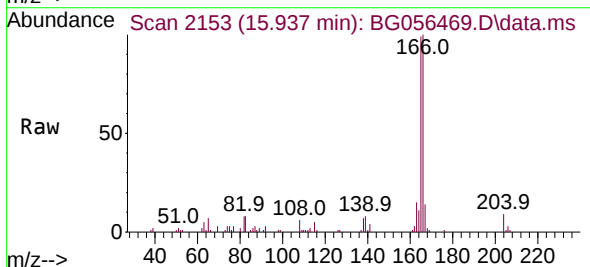
Manual Integrations
APPROVED

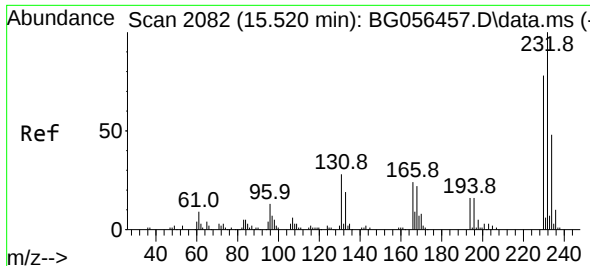
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#58
Fluorene
Concen: 5.113 ng
RT: 15.937 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

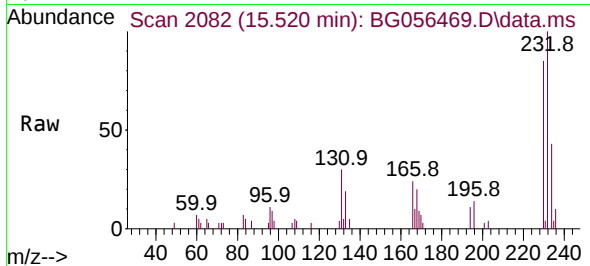
Tgt Ion:166 Resp: 40464
Ion Ratio Lower Upper
166 100
165 98.9 78.8 118.2
167 14.4 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.466 ng
RT: 15.520 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

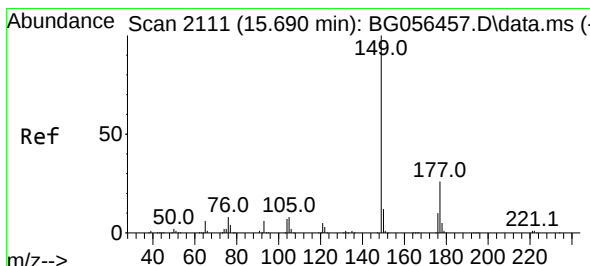
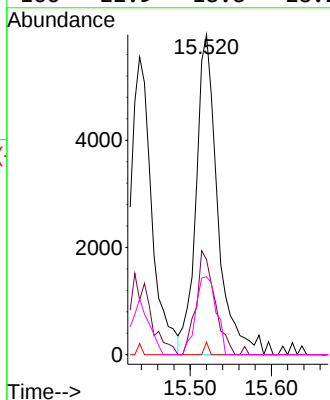
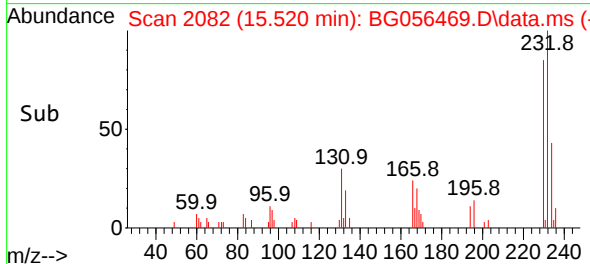
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



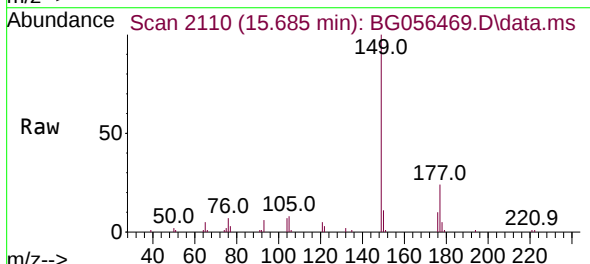
Tgt Ion:232 Resp: 11097
Ion Ratio Lower Upper
232 100
131 27.9 22.8 34.2
130 0.7 1.4 2.0
166 22.9 18.8 28.2

Manual Integrations
APPROVED

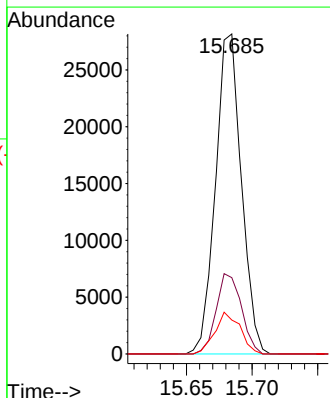
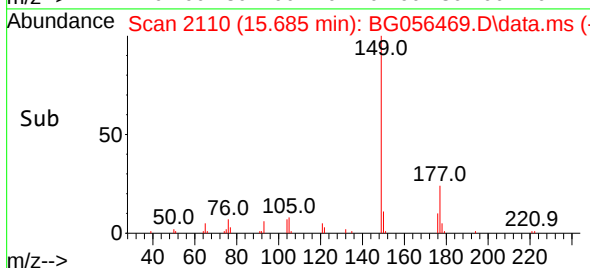
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

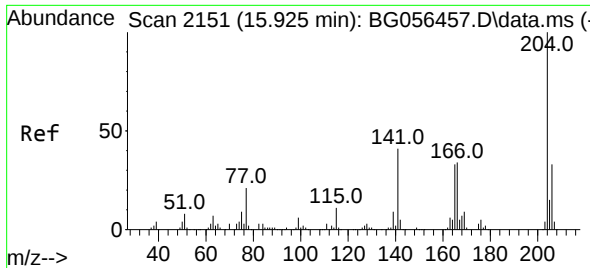


#60
Diethylphthalate
Concen: 5.013 ng
RT: 15.685 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31



Tgt Ion:149 Resp: 38606
Ion Ratio Lower Upper
149 100
177 23.8 21.0 31.4
150 10.6 9.9 14.9





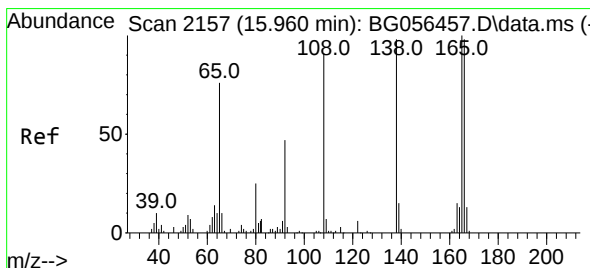
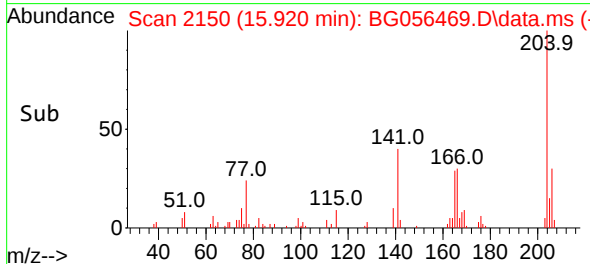
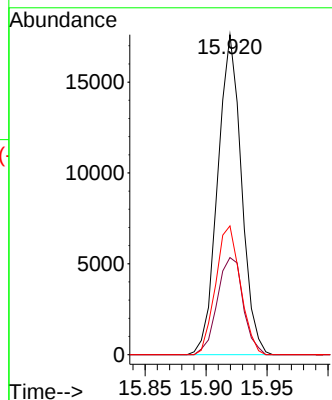
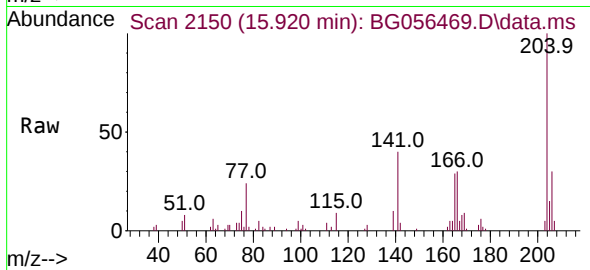
#61
4-Chlorophenyl-phenylether
Concen: 4.943 ng
RT: 15.920 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:204 Resp: 23876
Ion Ratio Lower Upper
204 100
206 30.3 26.2 39.4
141 40.2 32.7 49.1

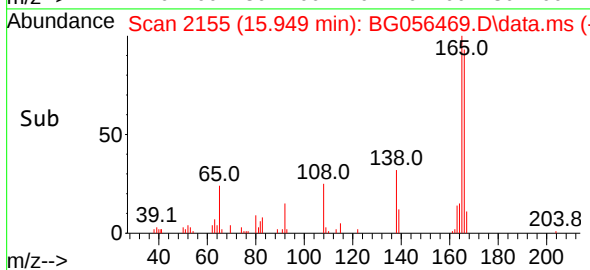
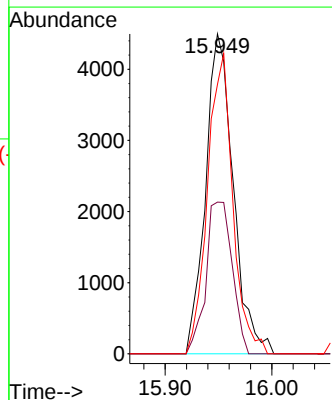
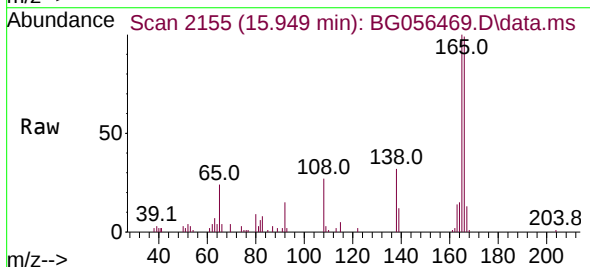
Manual Integrations
APPROVED

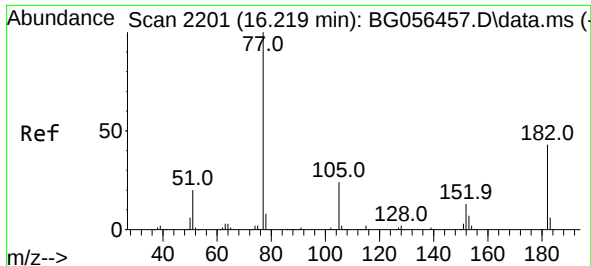
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#62
4-Nitroaniline
Concen: 4.683 ng
RT: 15.949 min Scan# 2155
Delta R.T. -0.011 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

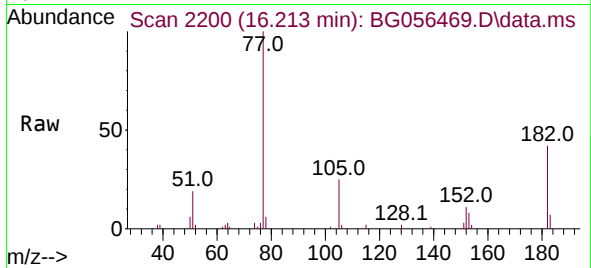
Tgt Ion:138 Resp: 8126
Ion Ratio Lower Upper
138 100
92 47.4 27.8 67.8
108 84.2 72.6 112.6





#63
Azobenzene
Concen: 5.172 ng
RT: 16.213 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

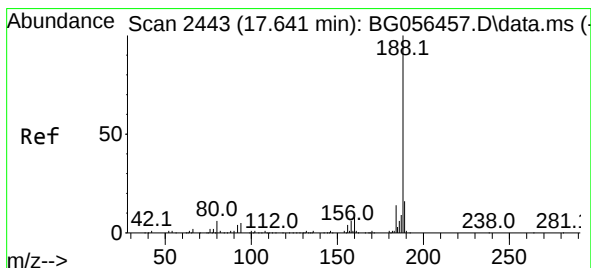
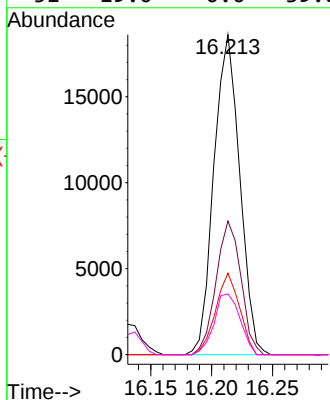
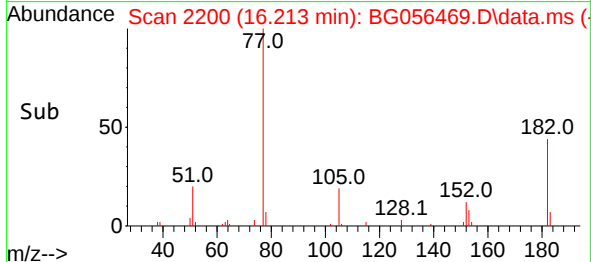
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



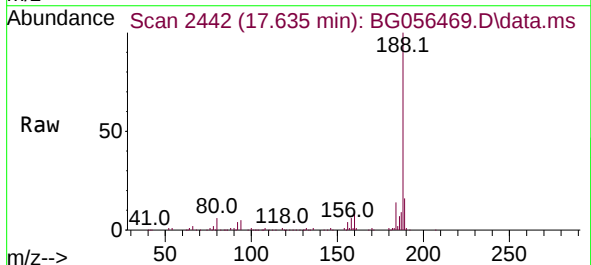
Tgt Ion: 77 Resp: 2740
Ion Ratio Lower Upper
77 100
182 41.7 23.1 63.1
105 25.5 4.2 44.2
51 19.0 0.0 39.8

Manual Integrations
APPROVED

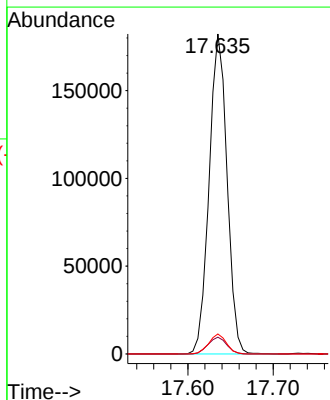
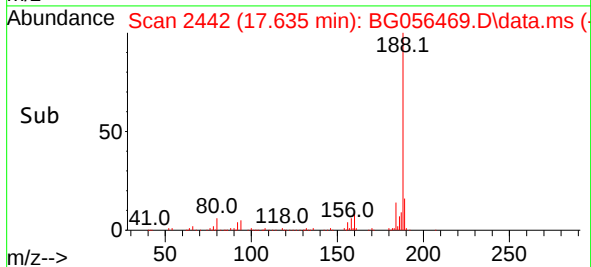
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

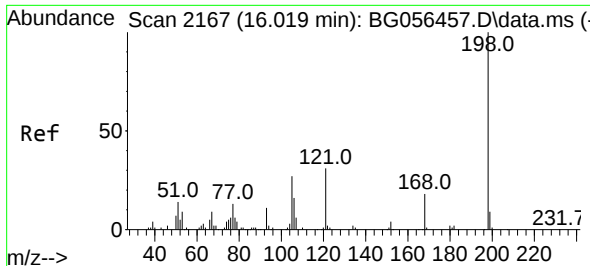


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.635 min Scan# 2442
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31



Tgt Ion:188 Resp: 265860
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 6.2 5.0 7.4





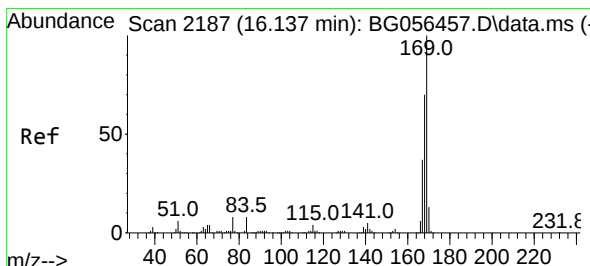
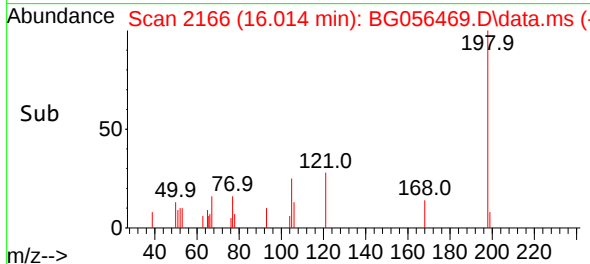
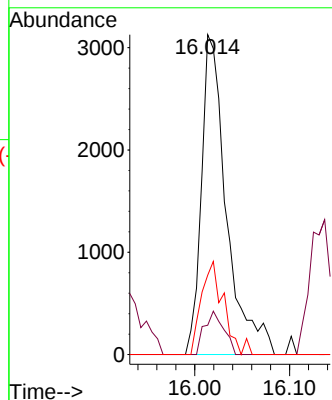
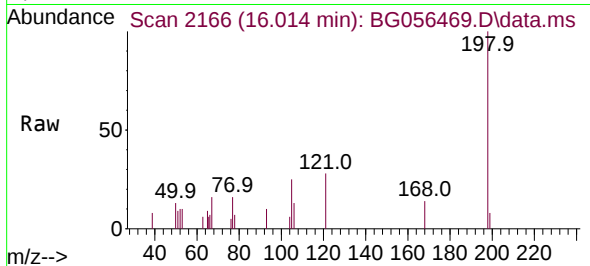
#65
4,6-Dinitro-2-methylphenol
Concen: 3.071 ng
RT: 16.014 min Scan# 2166
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:198 Resp: 5740
Ion Ratio Lower Upper
198 100
51 9.2 0.0 35.0
105 24.8 7.4 47.4

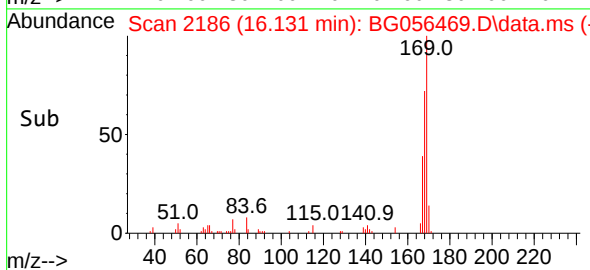
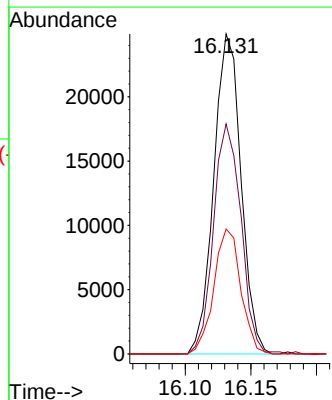
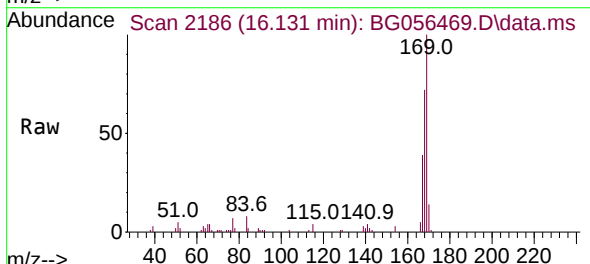
Manual Integrations
APPROVED

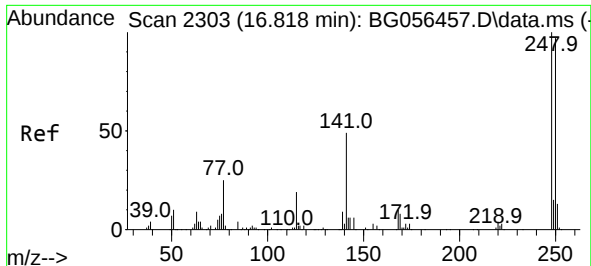
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#66
n-Nitrosodiphenylamine
Concen: 4.777 ng
RT: 16.131 min Scan# 2186
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

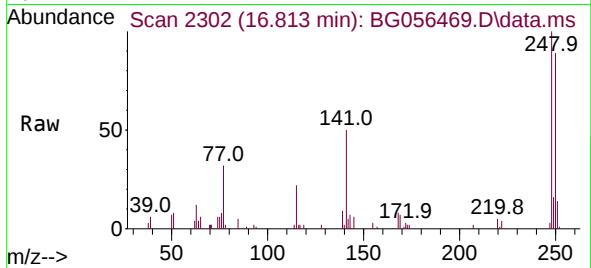
Tgt Ion:169 Resp: 35957
Ion Ratio Lower Upper
169 100
168 71.9 55.8 83.6
167 39.0 29.8 44.8





#67
4-Bromophenyl-phenylether
Concen: 4.830 ng
RT: 16.813 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

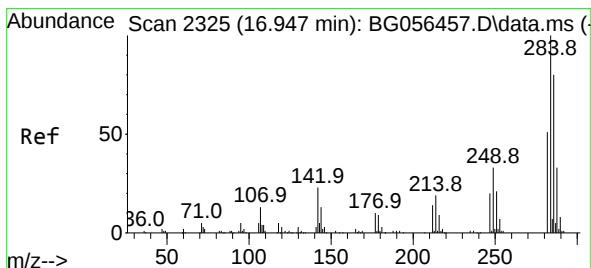
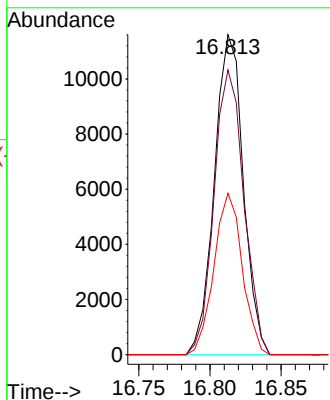
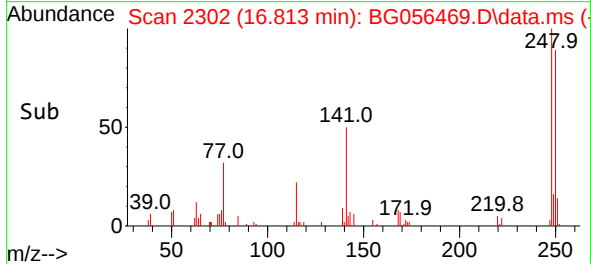
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



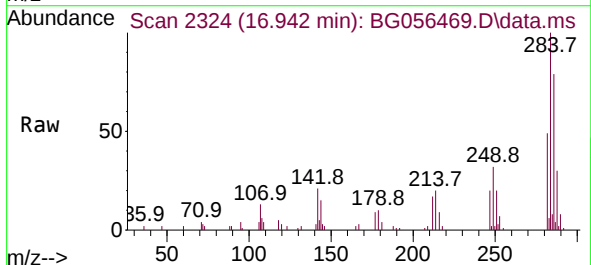
Tgt Ion:248 Resp: 16439
Ion Ratio Lower Upper
248 100
250 88.9 77.6 116.4
141 50.4 39.0 58.4

Manual Integrations
APPROVED

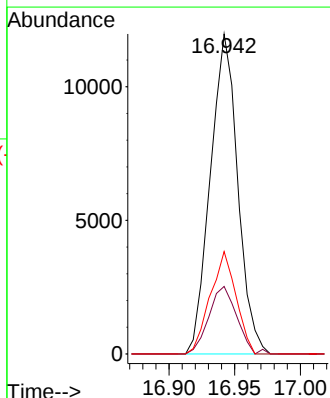
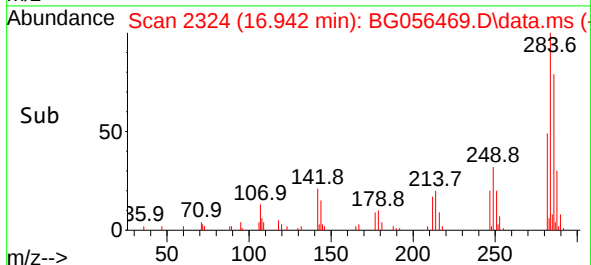
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

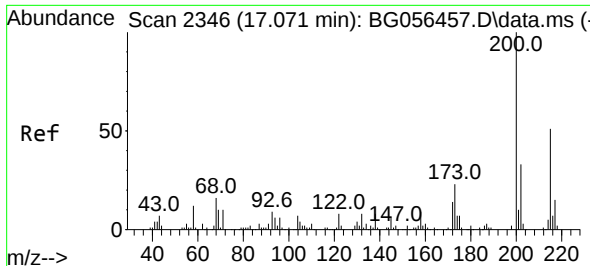


#68
Hexachlorobenzene
Concen: 5.226 ng
RT: 16.942 min Scan# 2324
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31



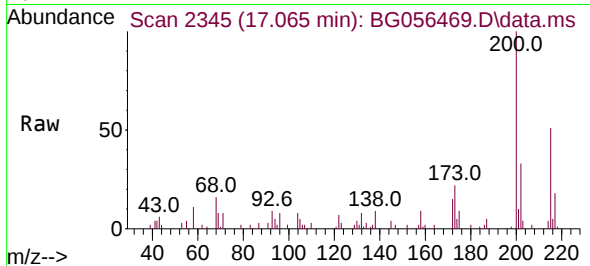
Tgt Ion:284 Resp: 17421
Ion Ratio Lower Upper
284 100
142 21.1 18.0 27.0
249 32.0 26.7 40.1





#69
 Atrazine
 Concen: 5.217 ng
 RT: 17.065 min Scan# 2449
 Delta R.T. -0.006 min
 Lab File: BG056469.D
 Acq: 30 Jan 2023 11:31

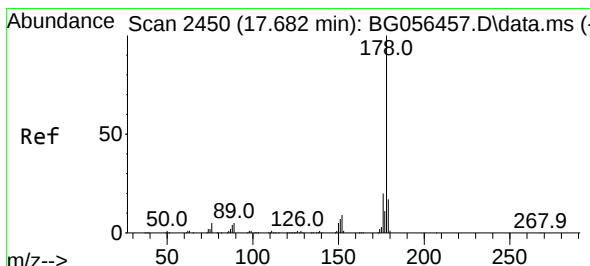
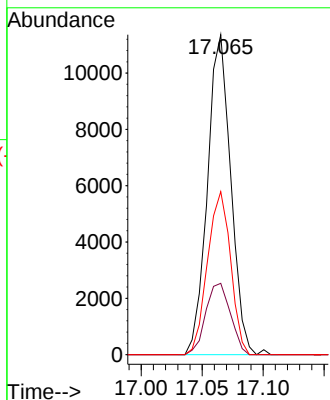
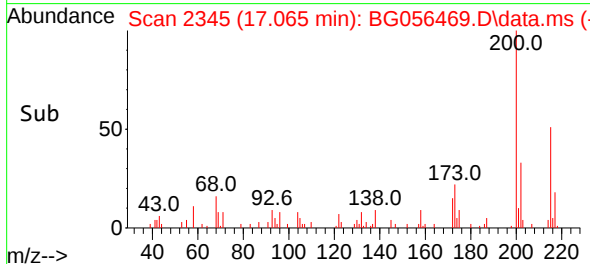
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022



Tgt Ion:200 Resp: 15150
 Ion Ratio Lower Upper
 200 100
 173 22.3 3.2 43.2
 215 50.9 30.7 70.7

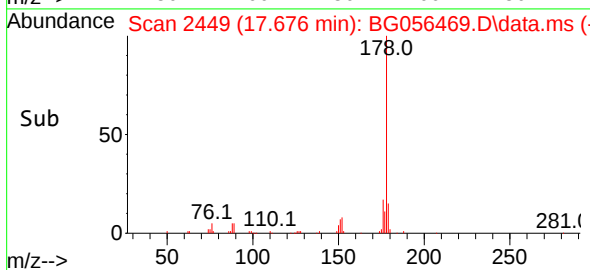
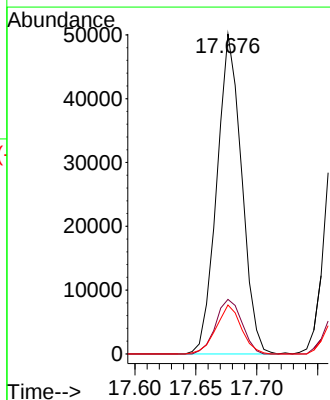
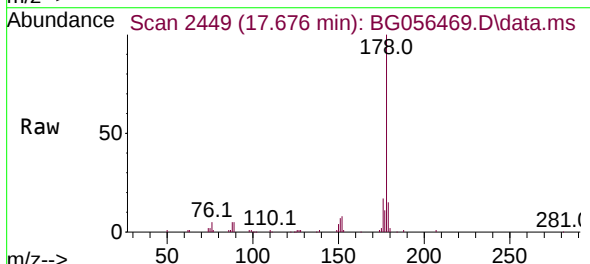
Manual Integrations
 APPROVED

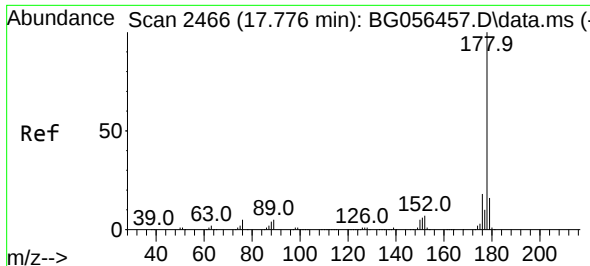
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023



#71
 Phenanthrene
 Concen: 5.096 ng
 RT: 17.676 min Scan# 2449
 Delta R.T. -0.006 min
 Lab File: BG056469.D
 Acq: 30 Jan 2023 11:31

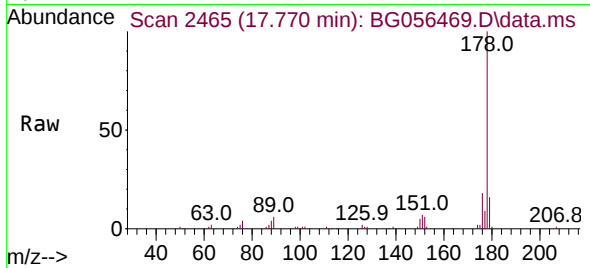
Tgt Ion:178 Resp: 70910
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.6 23.4
 179 15.3 13.3 19.9





#72
 Anthracene
 Concen: 5.003 ng
 RT: 17.770 min Scan# 2466
 Delta R.T. -0.006 min
 Lab File: BG056469.D
 Acq: 30 Jan 2023 11:31

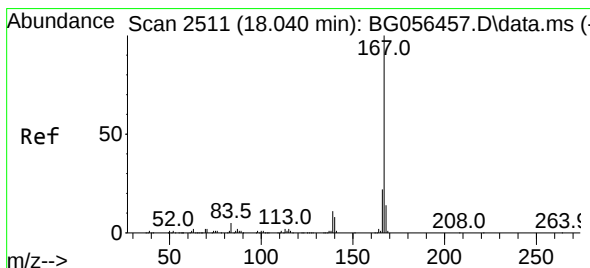
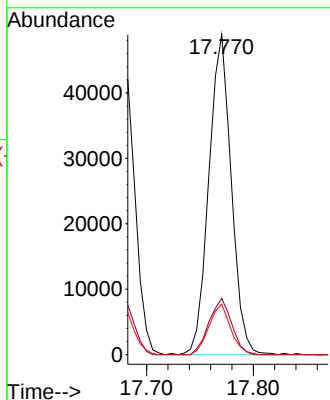
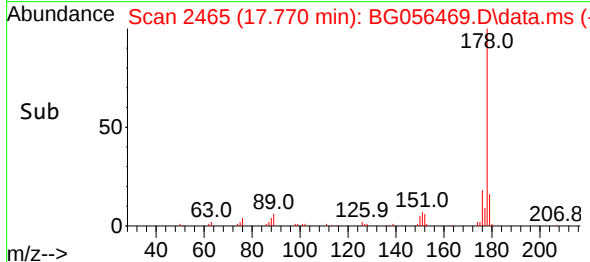
Instrument : BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022



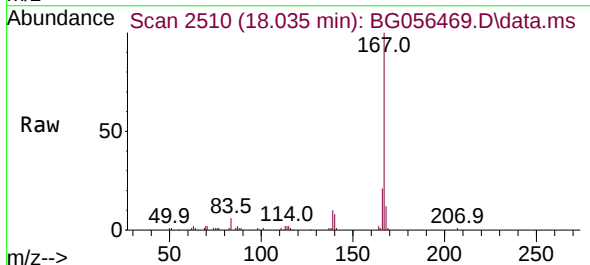
Tgt Ion:178 Resp: 71466
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.5 21.7
 179 15.8 12.5 18.7

Manual Integrations
 APPROVED

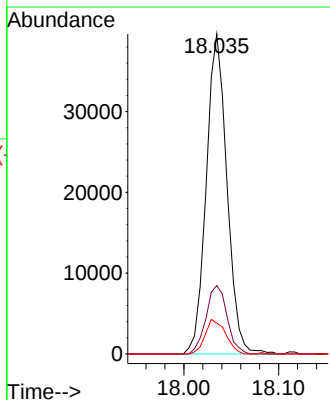
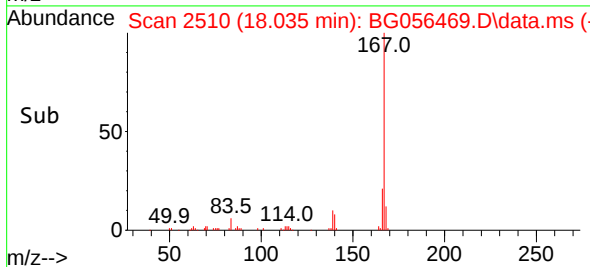
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023

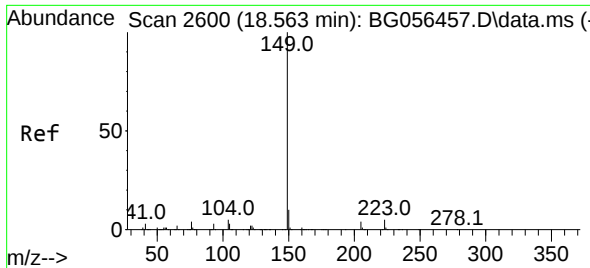


#73
 Carbazole
 Concen: 4.940 ng
 RT: 18.035 min Scan# 2510
 Delta R.T. -0.006 min
 Lab File: BG056469.D
 Acq: 30 Jan 2023 11:31



Tgt Ion:167 Resp: 60091
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.8 26.6
 139 9.6 8.9 13.3





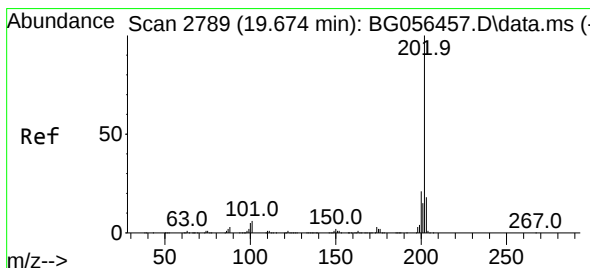
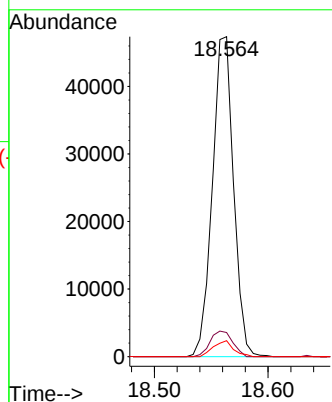
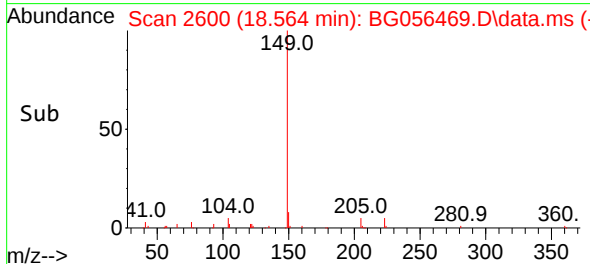
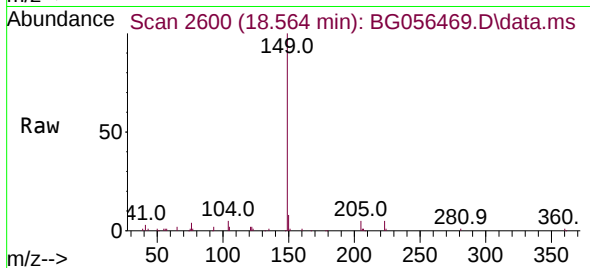
#74
Di-n-butylphthalate
Concen: 4.798 ng
RT: 18.564 min Scan# 20
Delta R.T. 0.001 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:149 Resp: 6128
Ion Ratio Lower Upper
149 100
150 7.5 7.8 11.6
104 5.0 4.0 6.0

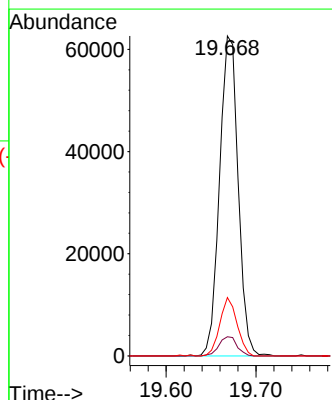
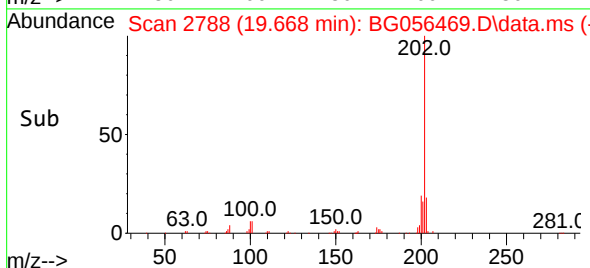
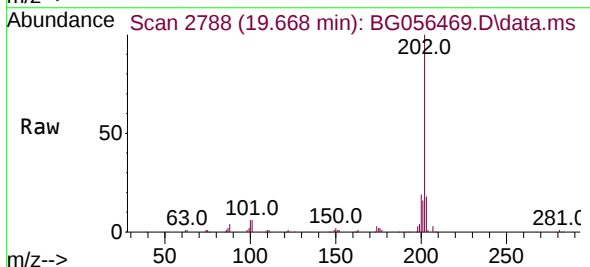
Manual Integrations
APPROVED

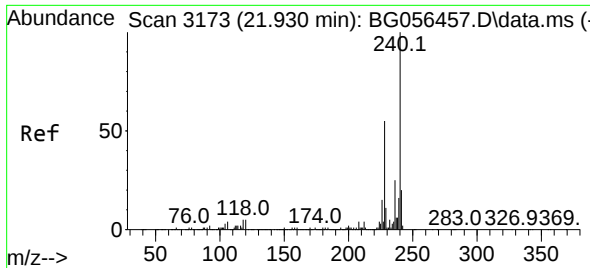
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#75
Fluoranthene
Concen: 5.127 ng
RT: 19.668 min Scan# 2788
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

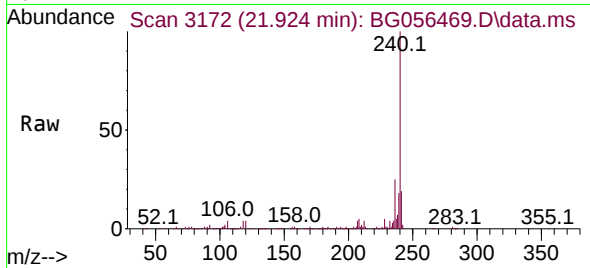
Tgt Ion:202 Resp: 90043
Ion Ratio Lower Upper
202 100
101 6.0 0.0 25.6
203 18.2 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.924 min Scan# 3172
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

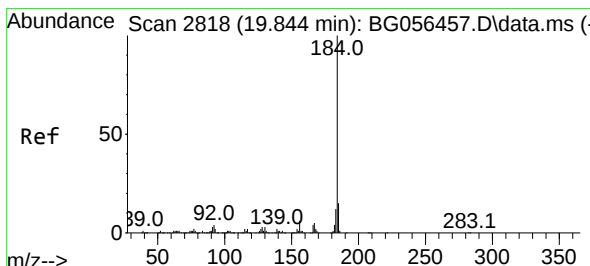
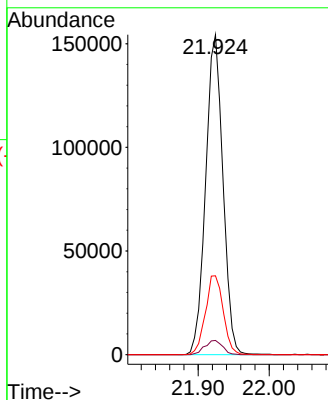
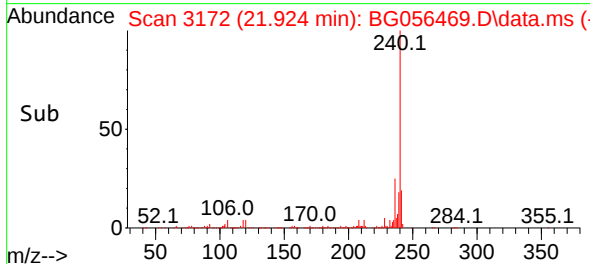
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:240 Resp: 260219
Ion Ratio Lower Upper
240 100
120 4.4 3.8 5.8
236 24.6 20.2 30.2

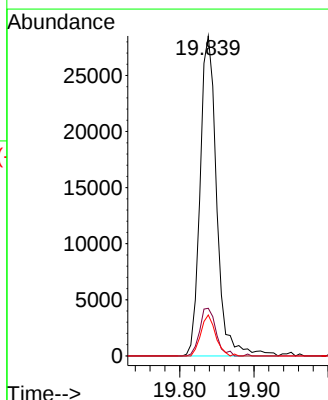
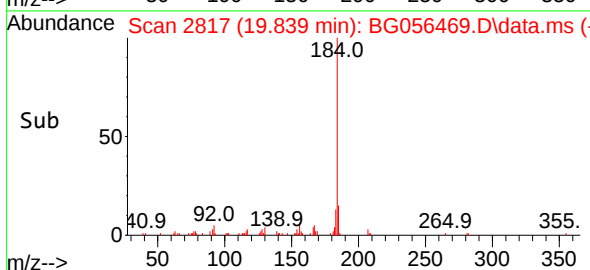
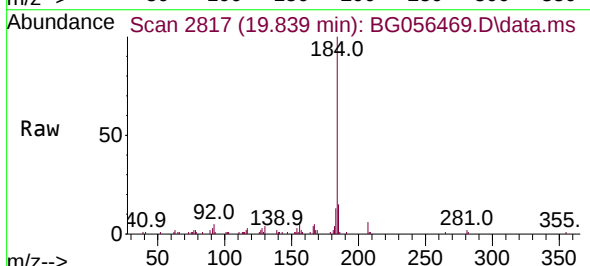
Manual Integrations
APPROVED

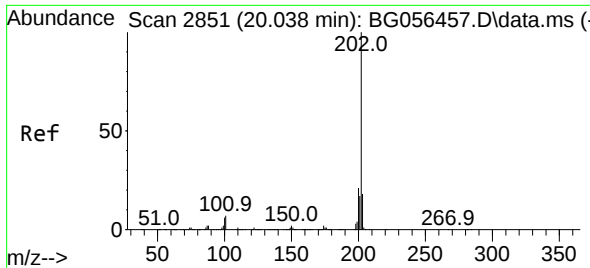
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#77
Benzidine
Concen: 6.289 ng
RT: 19.839 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

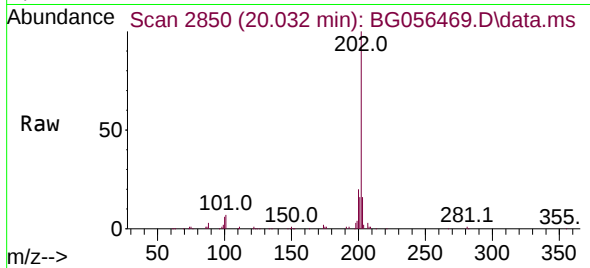
Tgt Ion:184 Resp: 44289
Ion Ratio Lower Upper
184 100
185 14.9 12.3 18.5
183 12.8 9.8 14.8





#78
 Pyrene
 Concen: 4.944 ng
 RT: 20.032 min Scan# 2850
 Delta R.T. -0.006 min
 Lab File: BG056469.D
 Acq: 30 Jan 2023 11:31

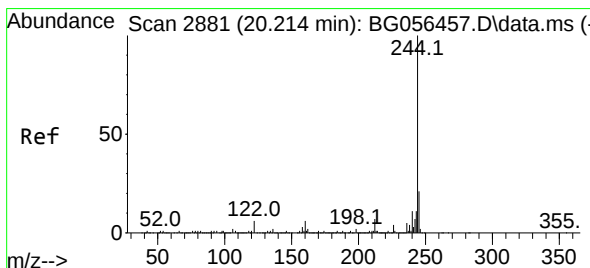
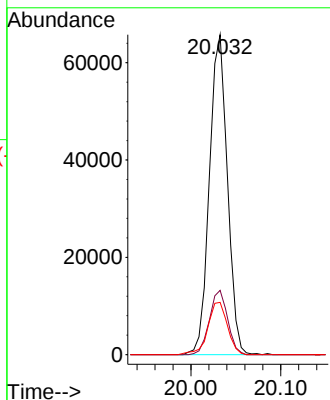
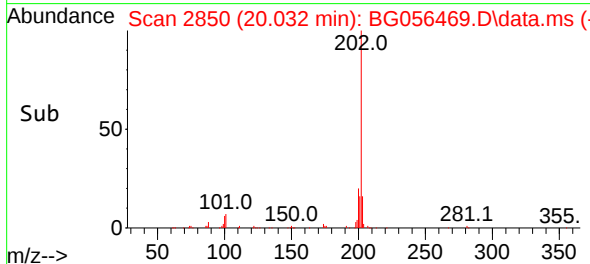
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022



Tgt Ion:202 Resp: 91509
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.7 25.1
 203 16.3 14.4 21.6

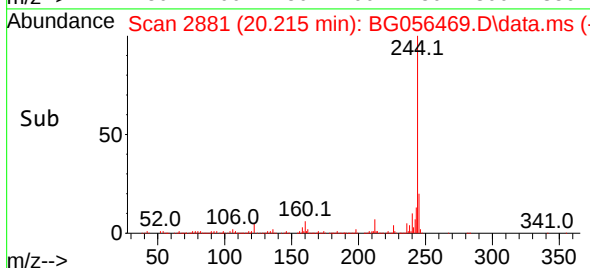
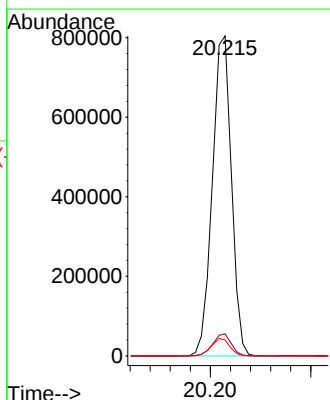
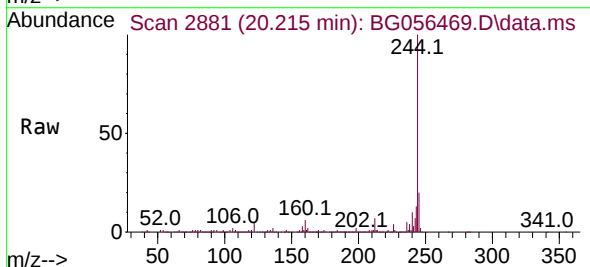
Manual Integrations
 APPROVED

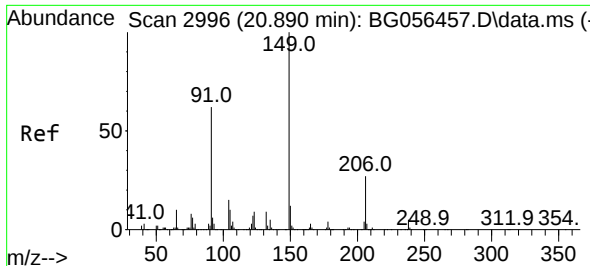
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023



#79
 Terphenyl-d14
 Concen: 71.745 ng
 RT: 20.215 min Scan# 2881
 Delta R.T. 0.000 min
 Lab File: BG056469.D
 Acq: 30 Jan 2023 11:31

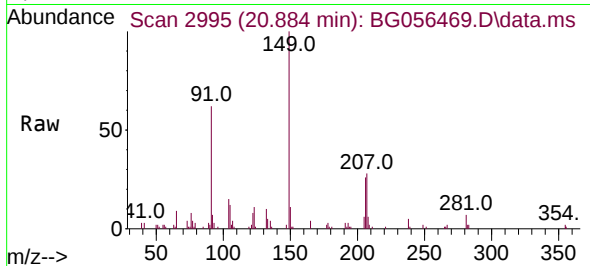
Tgt Ion:244 Resp: 1062962
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 5.0 4.4 6.6





#80
Butylbenzylphthalate
Concen: 4.596 ng
RT: 20.884 min Scan# 2995
Delta R.T. -0.006 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

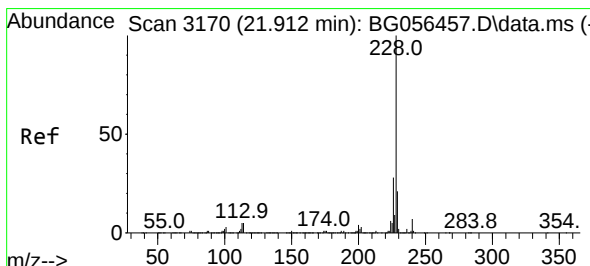
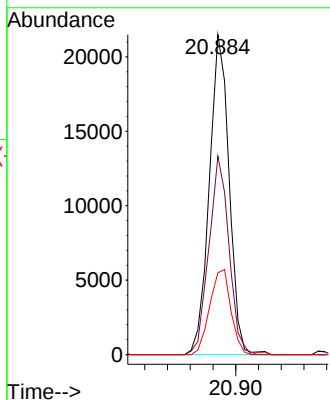
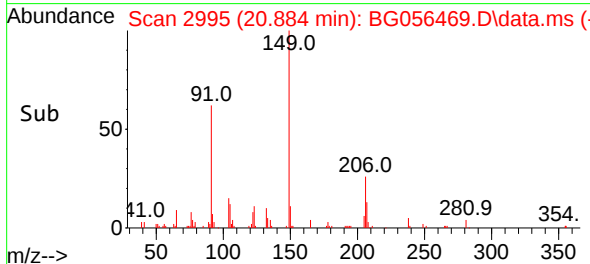
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



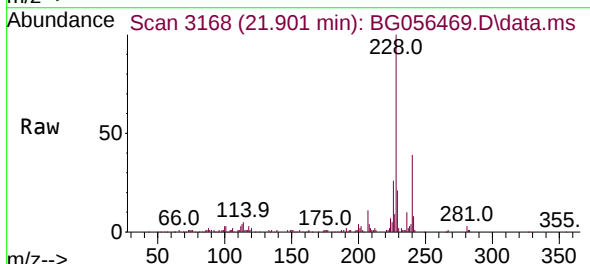
Tgt Ion:149 Resp: 25975
Ion Ratio Lower Upper
149 100
91 62.0 49.4 74.0
206 25.6 22.0 33.0

Manual Integrations
APPROVED

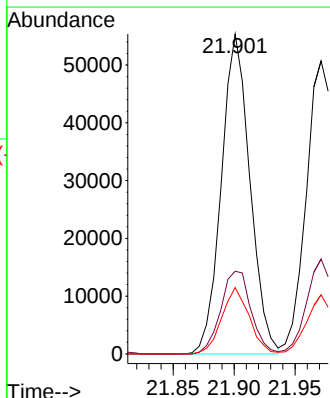
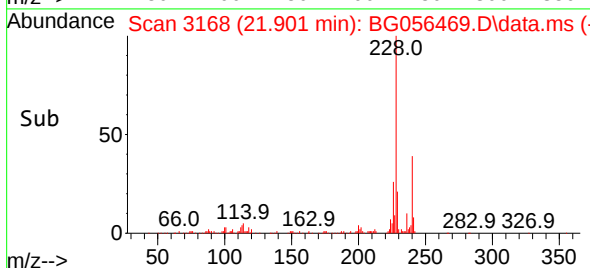
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

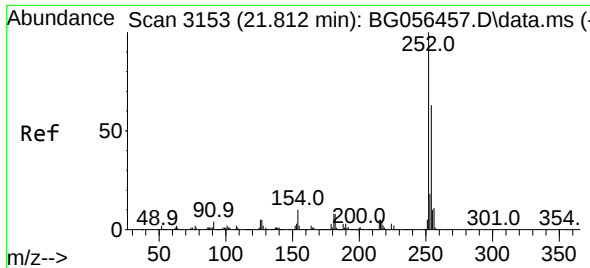


#81
Benzo(a)anthracene
Concen: 4.974 ng
RT: 21.901 min Scan# 3168
Delta R.T. -0.011 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31



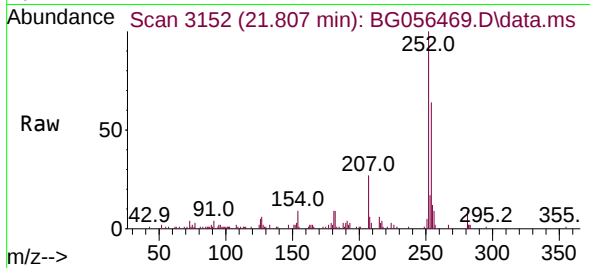
Tgt Ion:228 Resp: 90492
Ion Ratio Lower Upper
228 100
226 25.8 22.4 33.6
229 20.7 16.5 24.7





#82
3,3'-Dichlorobenzidine
Concen: 5.456 ng
RT: 21.807 min Scan# 3152
Delta R.T. -0.005 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

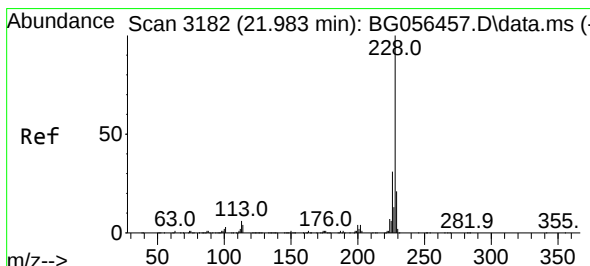
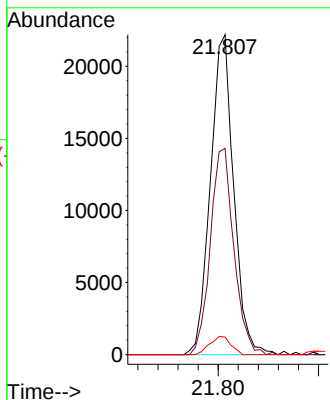
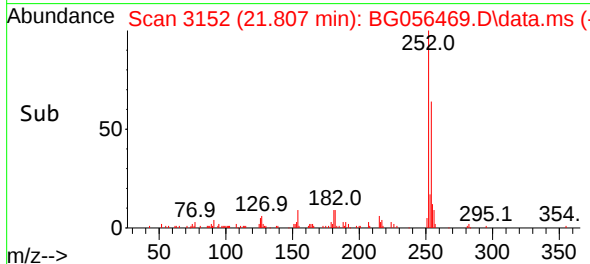
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion:252 Resp: 35746
Ion Ratio Lower Upper
252 100
254 64.4 50.0 75.0
126 5.5 4.3 6.5

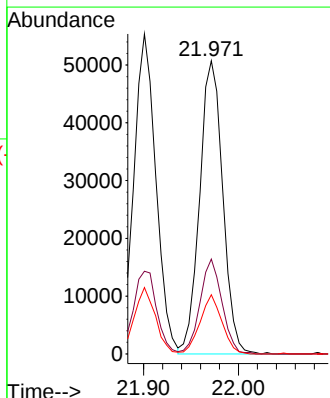
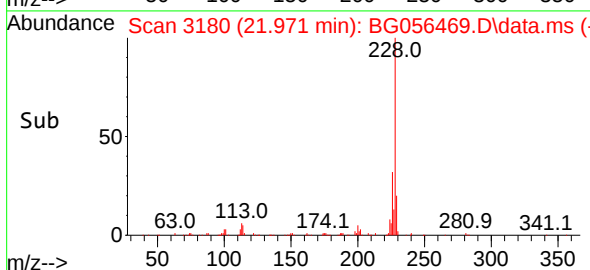
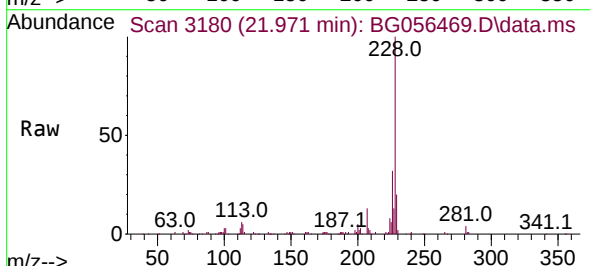
Manual Integrations
APPROVED

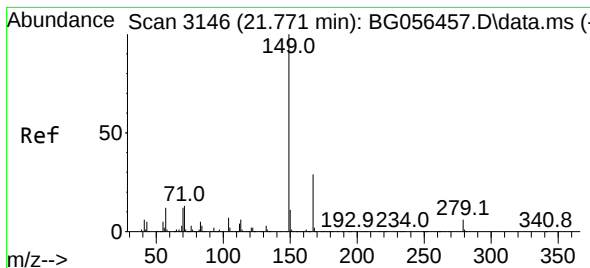
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#83
Chrysene
Concen: 5.033 ng
RT: 21.971 min Scan# 3180
Delta R.T. -0.011 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

Tgt Ion:228 Resp: 86017
Ion Ratio Lower Upper
228 100
226 32.3 25.0 37.4
229 20.2 16.4 24.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.899 ng

RT: 21.766 min Scan# 3145

Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

Instrument :

BNA_G

ClientSampleId :

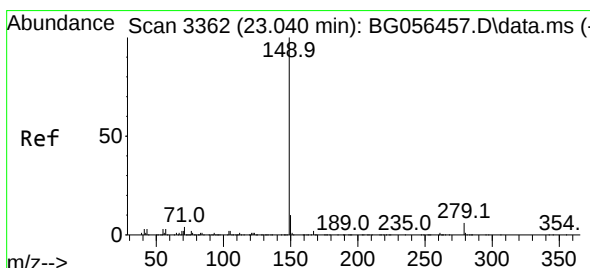
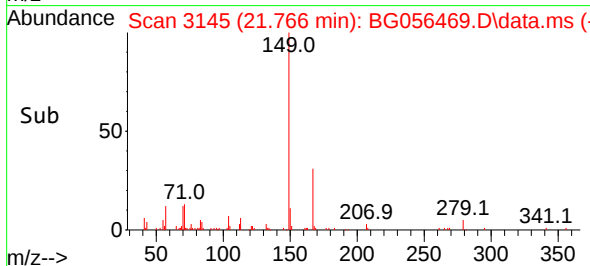
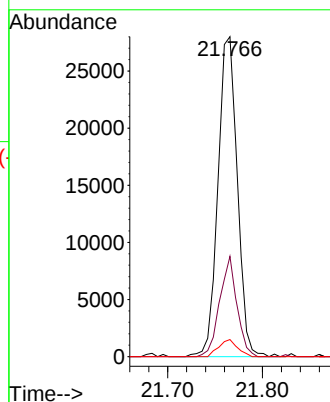
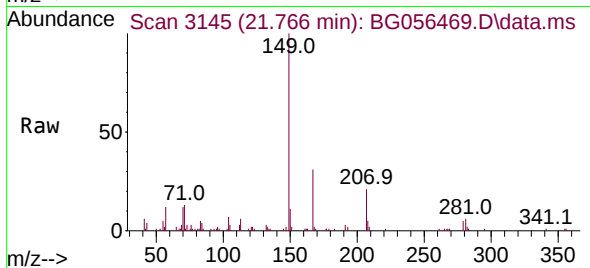
LOQ-SOIL-02-QT3-2022

Tgt Ion:149 Resp: 39696
 Ion Ratio Lower Upper
 149 100
 167 31.3 23.4 35.2
 279 5.3 4.4 6.6

Manual Integrations

APPROVED

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



#85

Di-n-octyl phthalate

Concen: 4.813 ng

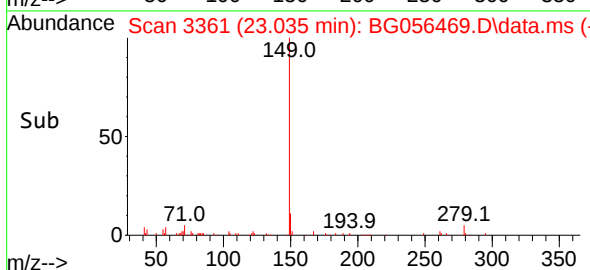
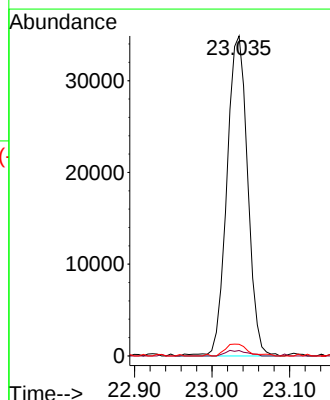
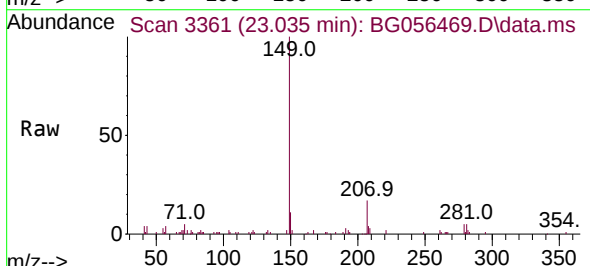
RT: 23.035 min Scan# 3361

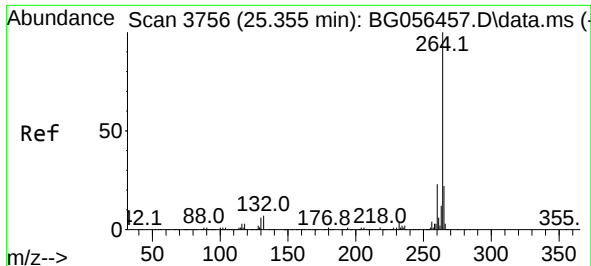
Delta R.T. -0.006 min

Lab File: BG056469.D

Acq: 30 Jan 2023 11:31

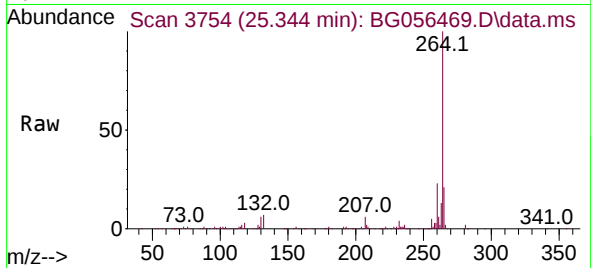
Tgt Ion:149 Resp: 64958
 Ion Ratio Lower Upper
 149 100
 167 1.8 1.4 2.0
 43 4.0 2.7 4.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.344 min Scan# 31
 Delta R.T. -0.011 min
 Lab File: BG056469.D
 Acq: 30 Jan 2023 11:31

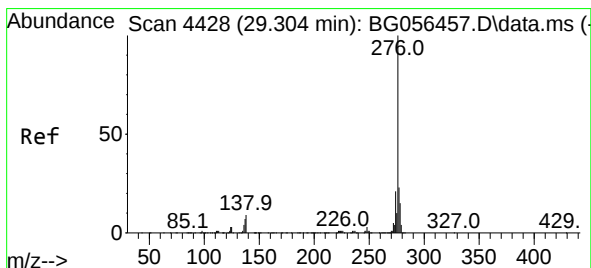
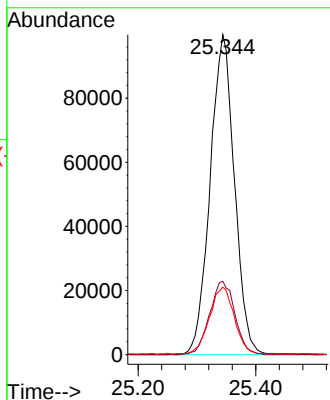
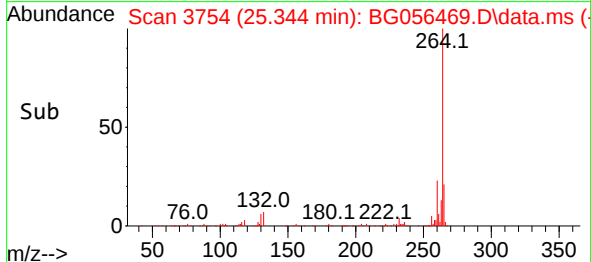
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022



Tgt Ion:264 Resp: 285878
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.2 27.4
 265 21.1 18.1 27.1

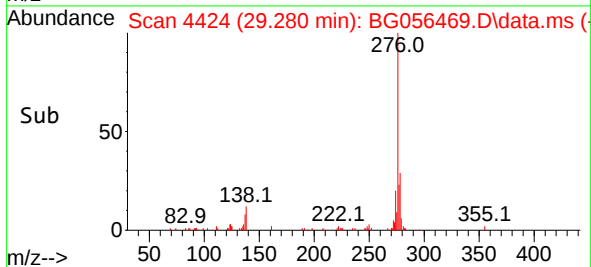
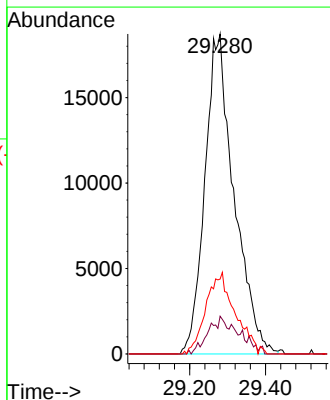
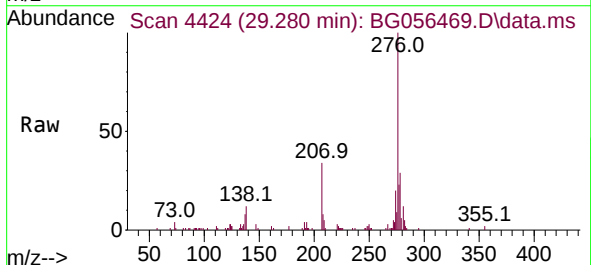
Manual Integrations
 APPROVED

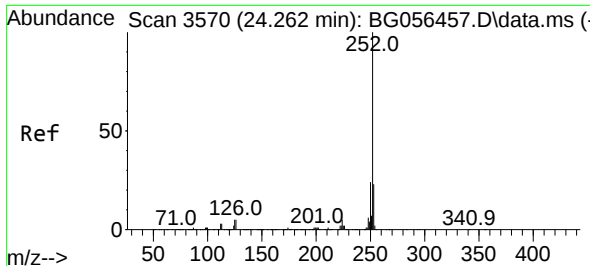
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.785 ng
 RT: 29.280 min Scan# 4424
 Delta R.T. -0.023 min
 Lab File: BG056469.D
 Acq: 30 Jan 2023 11:31

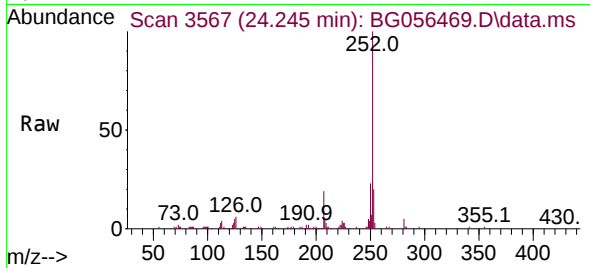
Tgt Ion:276 Resp: 100133
 Ion Ratio Lower Upper
 276 100
 138 0.9 9.4 14.2#
 277 25.2 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 5.144 ng
RT: 24.245 min Scan# 3567
Delta R.T. -0.017 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

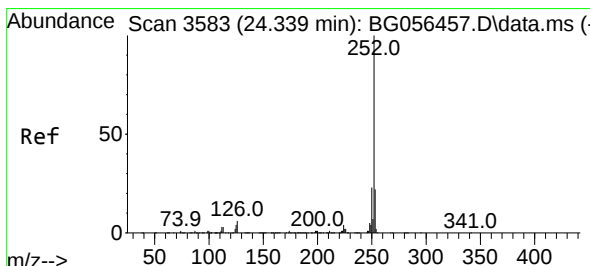
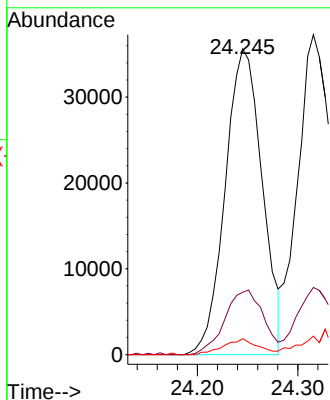
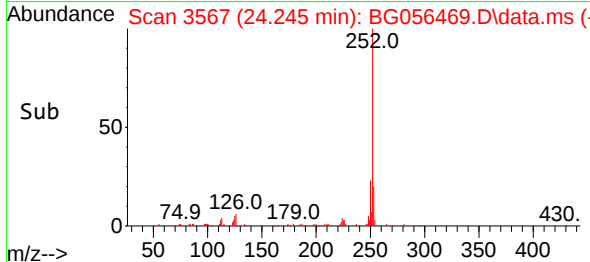
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2022



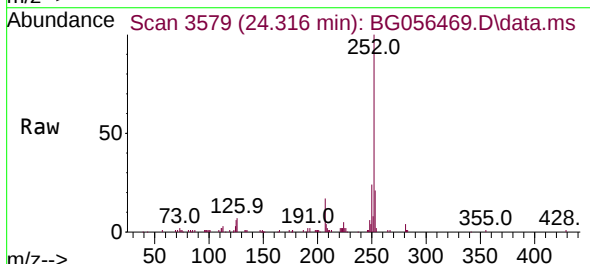
Tgt Ion:252 Resp: 9127
Ion Ratio Lower Upper
252 100
253 20.4 18.1 27.1
125 5.2 3.9 5.9

Manual Integrations
APPROVED

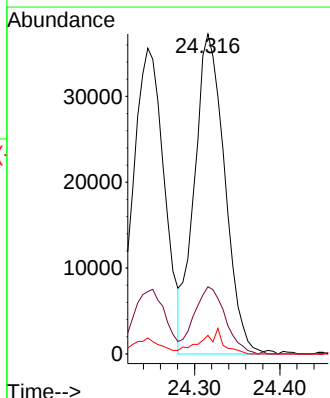
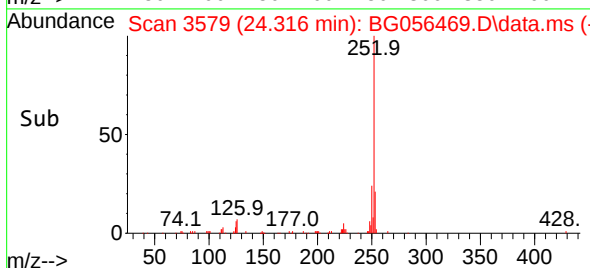
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

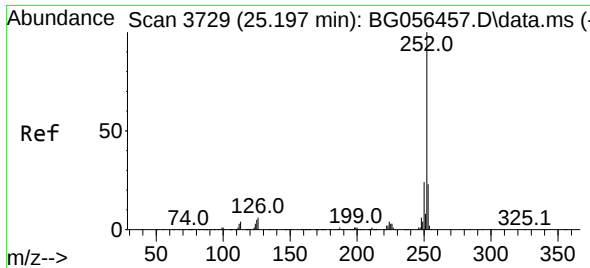


#89
Benzo(k)fluoranthene
Concen: 5.148 ng
RT: 24.316 min Scan# 3579
Delta R.T. -0.023 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31



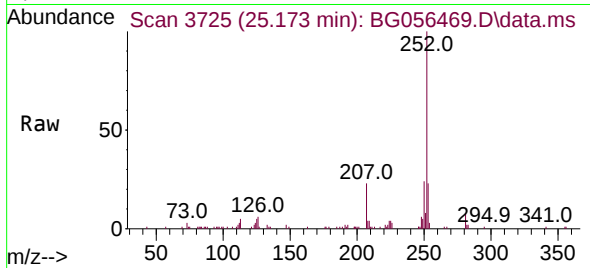
Tgt Ion:252 Resp: 92223
Ion Ratio Lower Upper
252 100
253 21.0 17.5 26.3
125 5.8 3.4 5.0#





#90
Benzo(a)pyrene
Concen: 4.700 ng
RT: 25.173 min Scan# 31
Delta R.T. -0.023 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

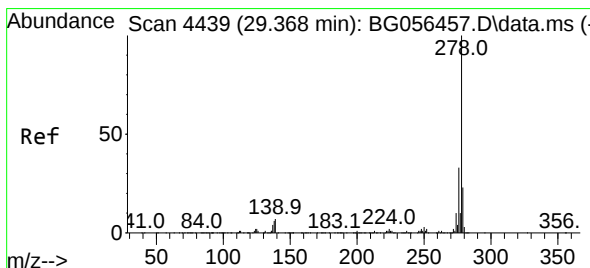
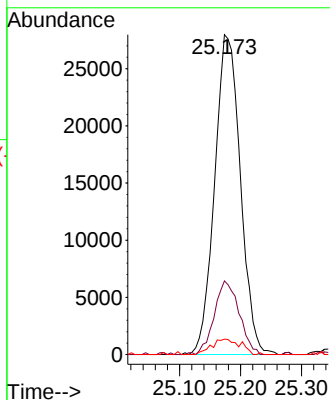
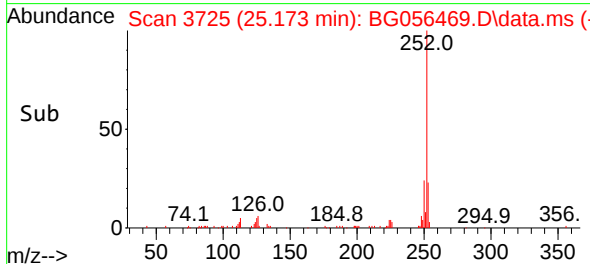
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:252 Resp: 82143
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 4.8 4.1 6.1

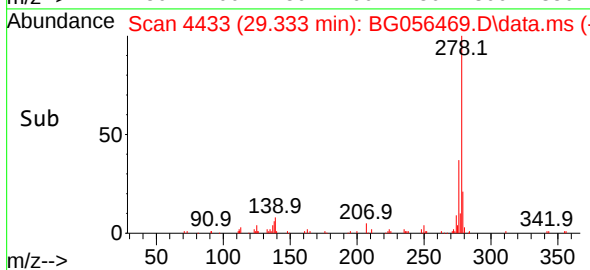
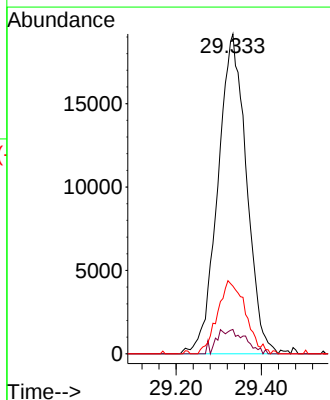
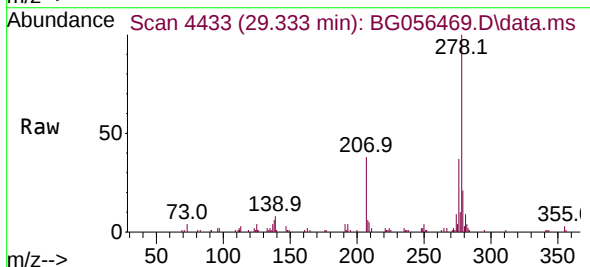
Manual Integrations
APPROVED

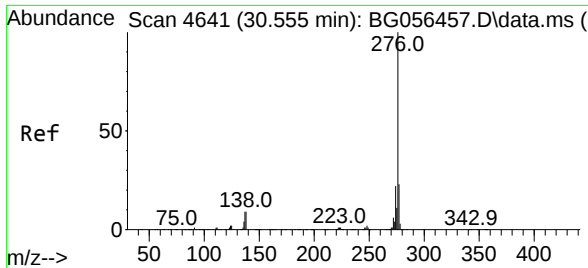
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#91
Dibenzo(a,h)anthracene
Concen: 5.070 ng
RT: 29.333 min Scan# 4433
Delta R.T. -0.035 min
Lab File: BG056469.D
Acq: 30 Jan 2023 11:31

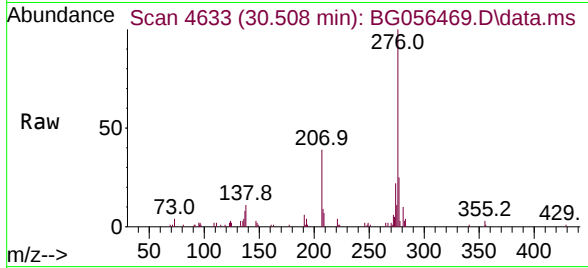
Tgt Ion:278 Resp: 89058
Ion Ratio Lower Upper
278 100
139 7.6 5.5 8.3
279 21.2 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 5.062 ng
 RT: 30.508 min Scan# 4633
 Delta R.T. -0.047 min
 Lab File: BG056469.D
 Acq: 30 Jan 2023 11:31

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022



Tgt Ion:276 Resp: 85790
 Ion Ratio Lower Upper
 276 100
 277 24.7 18.5 27.7
 138 11.1 7.4 11.0

Manual Integrations
 APPROVED

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

