

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
 Data File : BG055476.D
 Acq On : 5 Nov 2022 18:56
 Operator : CG/JU
 Sample : N5451-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LFR-SOIL-1103MSD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/07/2022
 Supervised By : Jagrut Upadhyay 11/07/2022

Quant Time: Nov 07 00:57:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 07 00:51:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.230	152	31547	20.000	ng	0.00
21) Naphthalene-d8	11.056	136	128105	20.000	ng	# 0.00
39) Acenaphthene-d10	14.846	164	85567	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	189370	20.000	ng	0.00
76) Chrysene-d12	21.855	240	193016	20.000	ng	0.00
86) Perylene-d12	25.216	264	213685	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.757	112	198921	113.238	ng	0.00
7) Phenol-d6	7.384	99	257278	105.613	ng	0.00
23) Nitrobenzene-d5	9.405	82	143048	59.512	ng	0.00
42) 2,4,6-Tribromophenol	16.327	330	124249	106.455	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	327331	56.718	ng	0.00
79) Terphenyl-d14	20.151	244	519735	52.361	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.553	88	31605	39.666	ng	98
3) Pyridine	3.976	79	84611	35.782	ng	99
4) n-Nitrosodimethylamine	3.888	42	40995	43.885	ng	97
6) Aniline	7.543	93	128334	40.618	ng	99
8) 2-Chlorophenol	7.795	128	101602	47.603	ng	99
9) Benzaldehyde	7.355	77	64823	45.262	ng	98
10) Phenol	7.413	94	126140	45.748	ng	99
11) bis(2-Chloroethyl)ether	7.637	93	86586	41.974	ng	97
12) 1,3-Dichlorobenzene	8.119	146	111943	46.272	ng	100
13) 1,4-Dichlorobenzene	8.265	146	112238	45.551	ng	99
14) 1,2-Dichlorobenzene	8.589	146	108859	46.157	ng	100
15) Benzyl Alcohol	8.471	79	83134m	42.789	ng	
16) 2,2'-oxybis(1-Chloropr...	8.753	45	107791	39.274	ng	98
17) 2-Methylphenol	8.677	107	85840	43.269	ng	99
18) Hexachloroethane	9.323	117	37619	44.755	ng	91
19) n-Nitroso-di-n-propyla...	9.035	70	70930	37.263	ng	95
20) 3+4-Methylphenols	9.006	107	129588	45.972	ng	98
22) Acetophenone	9.059	105	146797	43.719	ng	# 99
24) Nitrobenzene	9.446	77	106955	42.679	ng	97
25) Isophorone	9.969	82	196295	41.235	ng	98
26) 2-Nitrophenol	10.163	139	59937	46.448	ng	96
27) 2,4-Dimethylphenol	10.216	122	95120	52.571	ng	97
28) bis(2-Chloroethoxy)met...	10.445	93	115756	45.653	ng	98
29) 2,4-Dichlorophenol	10.710	162	103134	46.727	ng	99
30) 1,2,4-Trichlorobenzene	10.915	180	108345	45.332	ng	98
31) Naphthalene	11.109	128	308974	42.838	ng	99
32) Benzoic acid	10.375	122	35978	35.717	ng	100
33) 4-Chloroaniline	11.215	127	108962	36.358	ng	99
34) Hexachlorobutadiene	11.379	225	67676	45.554	ng	99
35) Caprolactam	11.996	113	32387	39.632	ng	93
36) 4-Chloro-3-methylphenol	12.325	107	104362	43.184	ng	99
37) 2-Methylnaphthalene	12.695	142	220458	41.612	ng	99
38) 1-Methylnaphthalene	12.913	142	208208	40.293	ng	99
40) 1,2,4,5-Tetrachloroben...	13.060	216	122822	48.591	ng	99
41) Hexachlorocyclopentadiene	13.030	237	123144	100.295	ng	95
43) 2,4,6-Trichlorophenol	13.295	196	85529	48.590	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.371	196	92921	47.393	ng	98
46) 1,1'-Biphenyl	13.683	154	294513	46.776	ng	98
47) 2-Chloronaphthalene	13.735	162	230697	45.599	ng	99
48) 2-Nitroaniline	13.935	65	65676	42.264	ng	96
49) Acenaphthylene	14.576	152	367460	44.233	ng	100
50) Dimethylphthalate	14.288	163	291101	40.757	ng	99
51) 2,6-Dinitrotoluene	14.417	165	64030	42.822	ng	98
52) Acenaphthene	14.911	154	212881	43.057	ng	99
53) 3-Nitroaniline	14.752	138	60966	36.277	ng	94
54) 2,4-Dinitrophenol	14.963	184	69224	76.815	ng	95
55) Dibenzofuran	15.240	168	355093	43.390	ng	99
56) 4-Nitrophenol	15.069	139	106108	92.082	ng	99
57) 2,4-Dinitrotoluene	15.204	165	91508	42.800	ng	98
58) Fluorene	15.886	166	283650	42.666	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.469	232	81108	46.007	ng	97
60) Diethylphthalate	15.633	149	295451	39.804	ng	99
61) 4-Chlorophenyl-phenyle...	15.868	204	151301	44.020	ng	99
62) 4-Nitroaniline	15.909	138	73647	41.420	ng	97
63) Azobenzene	16.162	77	250202	40.551	ng	98
65) 4,6-Dinitro-2-methylph...	15.968	198	56015	45.921	ng	98
66) n-Nitrosodiphenylamine	16.086	169	254372	45.181	ng	99
67) 4-Bromophenyl-phenylether	16.761	248	102600	45.833	ng	97
68) Hexachlorobenzene	16.891	284	117008	45.835	ng	95
69) Atrazine	17.020	200	100142	52.981	ng	98
70) Pentachlorophenol	17.237	266	120944	90.810	ng	97
71) Phenanthrene	17.625	178	464010	43.561	ng	100
72) Anthracene	17.713	178	473885	45.388	ng	100
73) Carbazole	17.983	167	447123	46.030	ng	100
74) Di-n-butylphthalate	18.506	149	527700	43.496	ng	99
75) Fluoranthene	19.611	202	564446	44.054	ng	98
77) Benzidine	19.787	184	350350	87.185	ng	99
78) Pyrene	19.975	202	578366	42.476	ng	99
80) Butylbenzylphthalate	20.827	149	244176	43.012	ng	98
81) Benzo(a)anthracene	21.832	228	574961	43.394	ng	99
82) 3,3'-Dichlorobenzidine	21.738	252	185168	40.753	ng	99
83) Chrysene	21.902	228	541469	42.835	ng	100
84) Bis(2-ethylhexyl)phtha...	21.691	149	416772	50.505	ng	99
85) Di-n-octyl phthalate	22.942	149	605352	42.814	ng	100
87) Indeno(1,2,3-cd)pyrene	29.106	276	739169	43.084	ng	# 91
88) Benzo(b)fluoranthene	24.147	252	616715	45.436	ng	99
89) Benzo(k)fluoranthene	24.211	252	607447	44.534	ng	99
90) Benzo(a)pyrene	25.063	252	552560	47.081	ng	99
91) Dibenzo(a,h)anthracene	29.153	278	619806	43.788	ng	99
92) Benzo(g,h,i)perylene	30.328	276	617190	43.842	ng	98

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

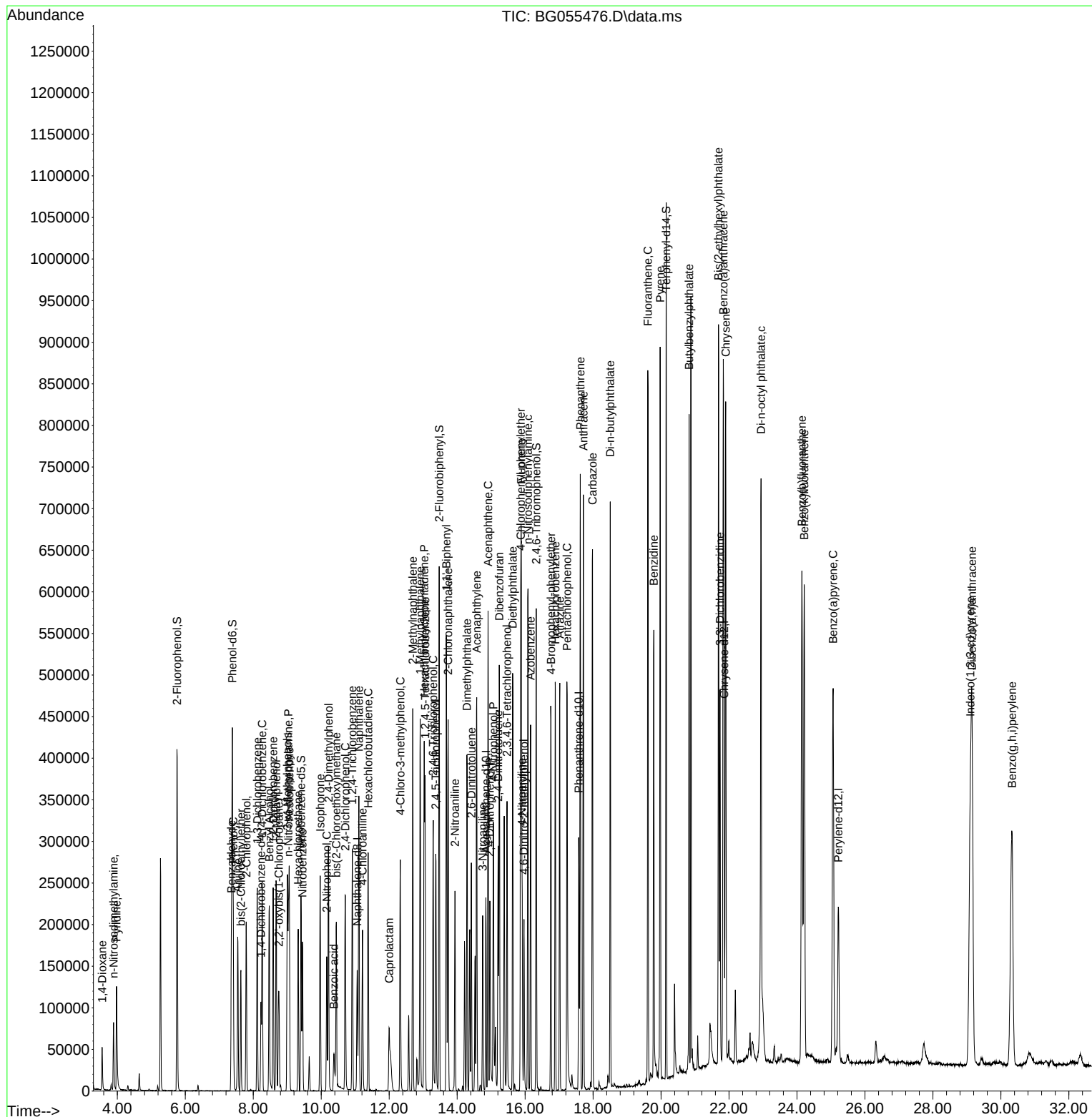
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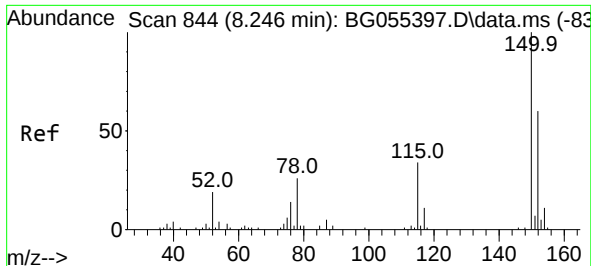
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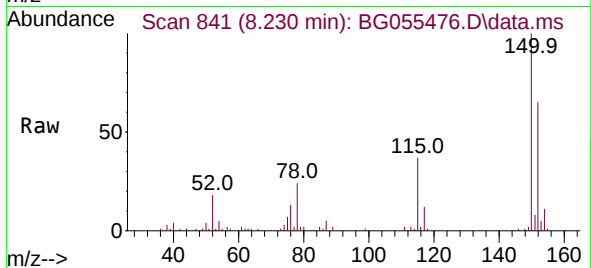
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.230 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: BG055476.D
 Acq: 5 Nov 2022 18:56

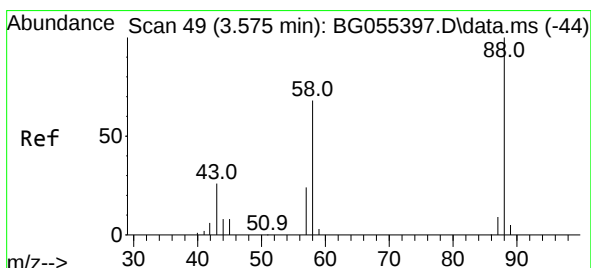
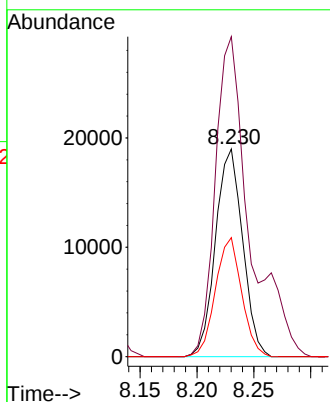
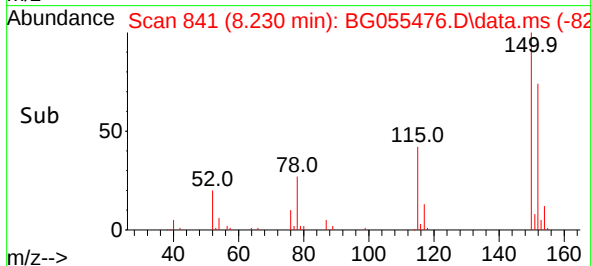
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Tgt Ion:152 Resp: 3154
 Ion Ratio Lower Upper
 152 100
 150 154.2 132.8 199.2
 115 57.3 45.1 67.7

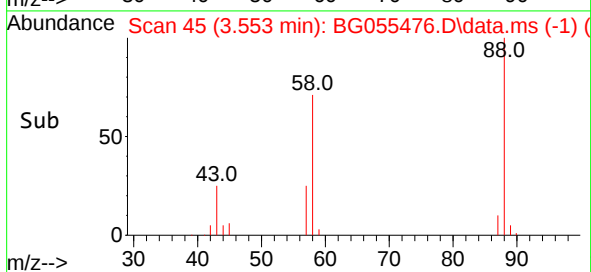
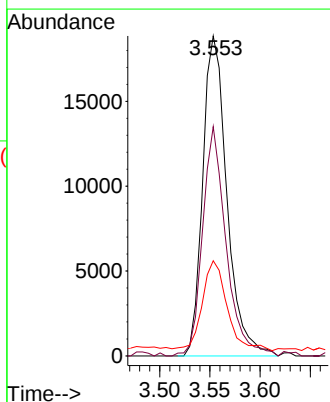
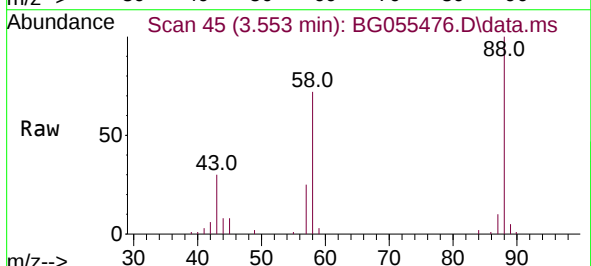
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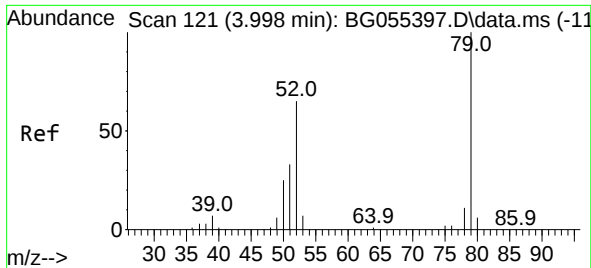
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#2
 1,4-Dioxane
 Concen: 39.666 ng
 RT: 3.553 min Scan# 45
 Delta R.T. 0.000 min
 Lab File: BG055476.D
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Tgt Ion: 88 Resp: 31605
 Ion Ratio Lower Upper
 88 100
 58 69.6 55.7 83.5
 43 29.0 20.7 31.1





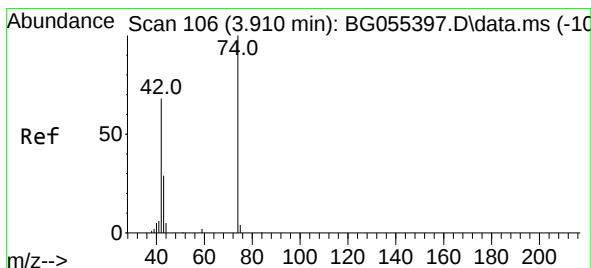
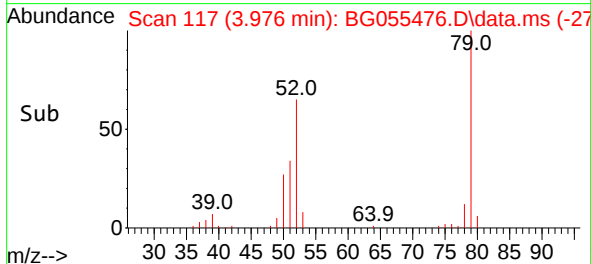
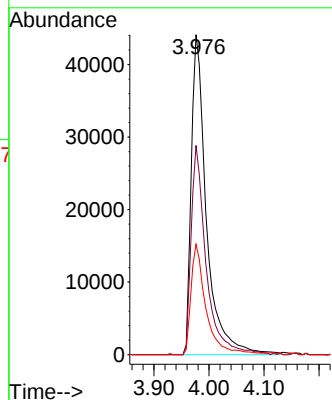
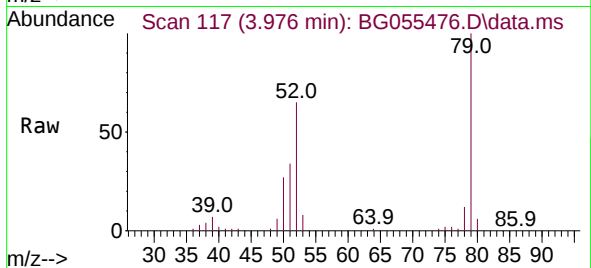
#3
Pyridine
Concen: 35.782 ng
RT: 3.976 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Instrument :
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LFR-SOIL-1103MSD

Tgt Ion: 79 Resp: 8461
Ion Ratio Lower Upper
79 100
52 65.4 51.8 77.6
51 34.5 26.6 40.0

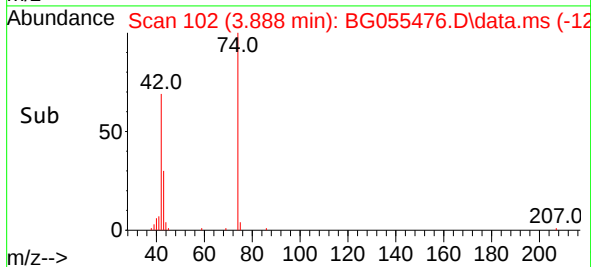
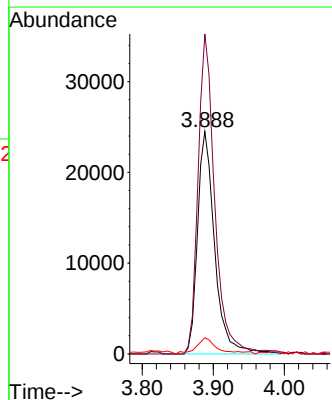
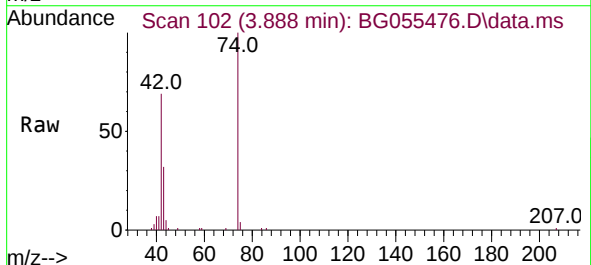
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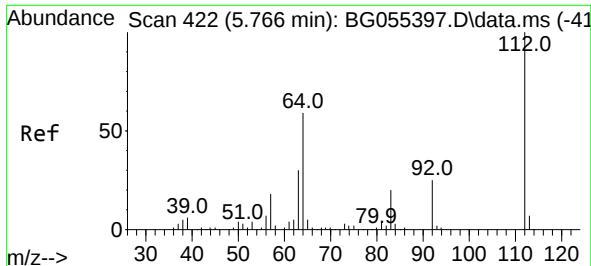
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#4
n-Nitrosodimethylamine
Concen: 43.885 ng
RT: 3.888 min Scan# 102
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Tgt Ion: 42 Resp: 40995
Ion Ratio Lower Upper
42 100
74 143.9 118.1 177.1
44 7.2 5.4 8.0





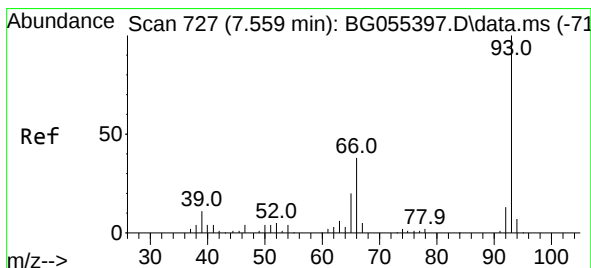
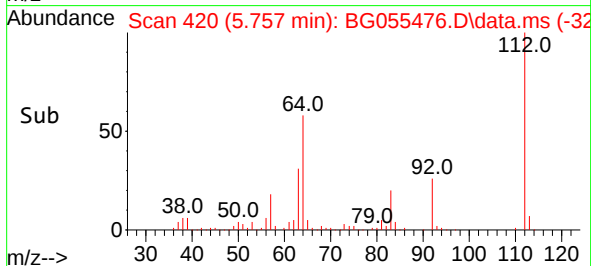
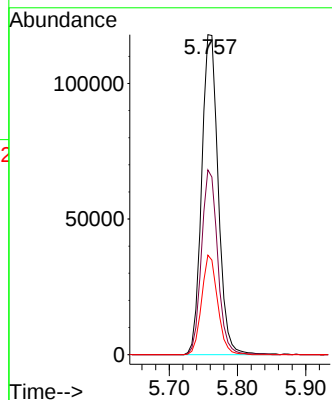
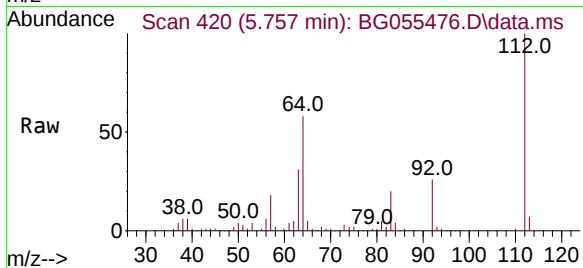
#5
2-Fluorophenol
Concen: 113.238 ng
RT: 5.757 min Scan# 41
Delta R.T. 0.006 min
Lab File: BG055476.D
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Tgt Ion:112 Resp: 19892
Ion Ratio Lower Upper
112 100
64 57.7 47.2 70.8
63 31.1 24.3 36.5

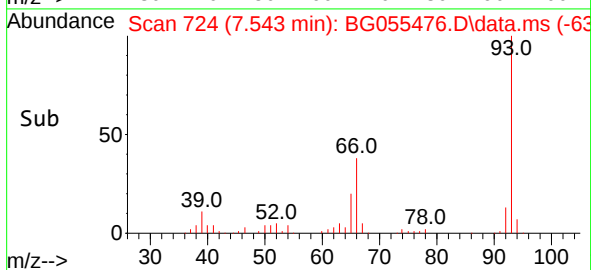
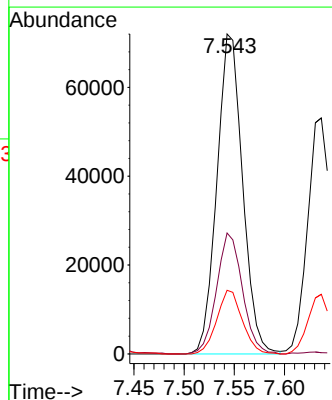
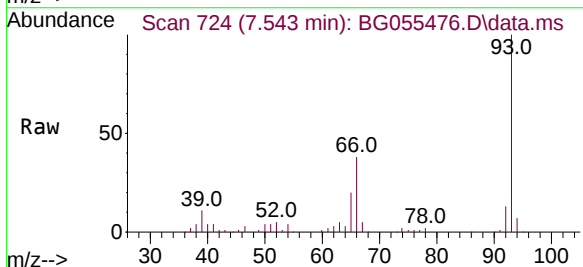
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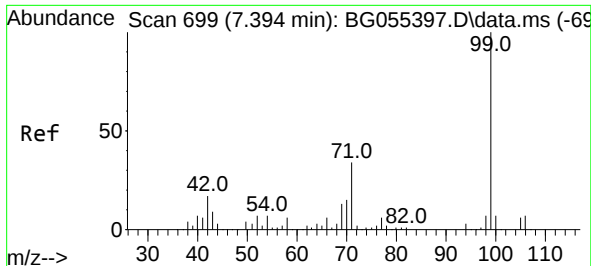
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#6
Aniline
Concen: 40.618 ng
RT: 7.543 min Scan# 724
Delta R.T. 0.000 min
Lab File: BG055476.D
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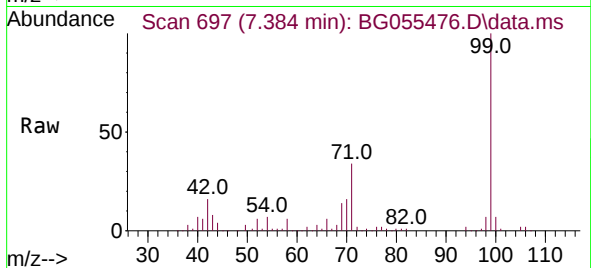
Tgt Ion: 93 Resp: 128334
Ion Ratio Lower Upper
93 100
66 37.8 30.6 45.8
65 19.9 16.4 24.6





#7
Phenol-d6
Concen: 105.613 ng
RT: 7.384 min Scan# 699
Delta R.T. 0.006 min
Lab File: BG055476.D
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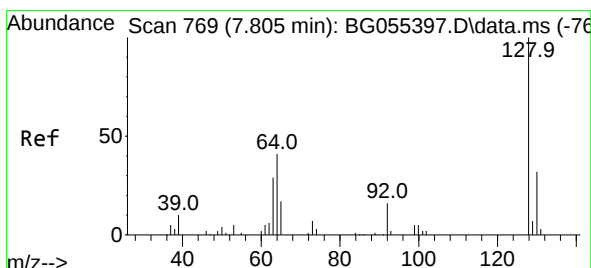
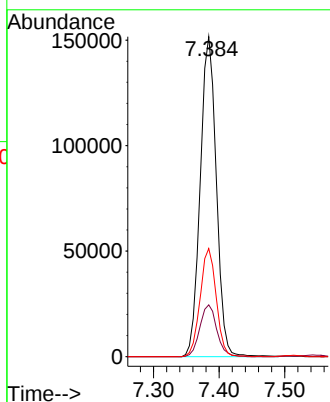
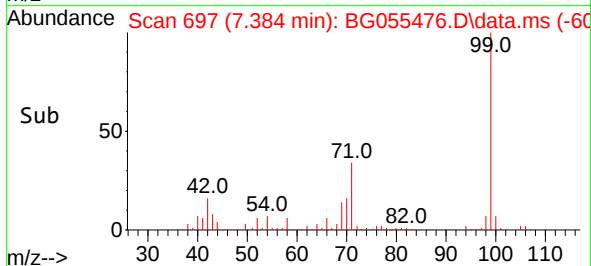
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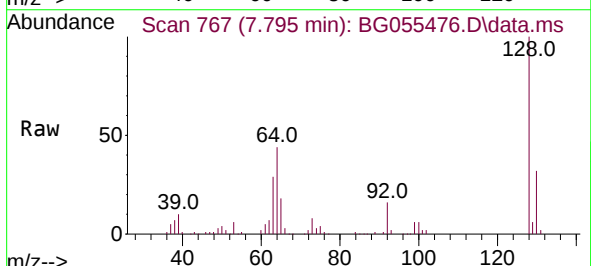
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Ion Ratio Lower Upper
99 100
42 16.2 13.5 20.3
71 33.8 27.4 41.0

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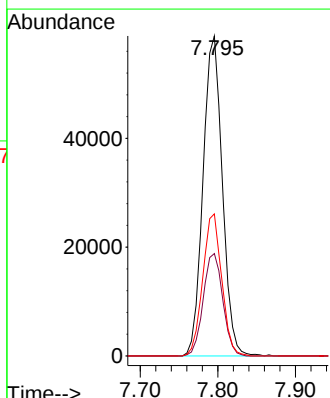
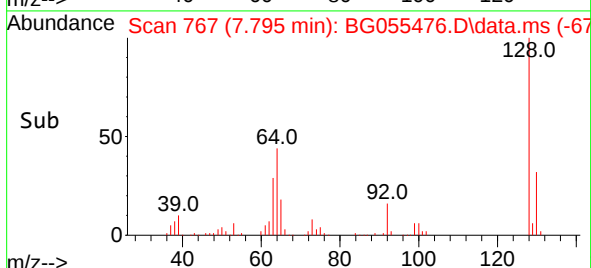
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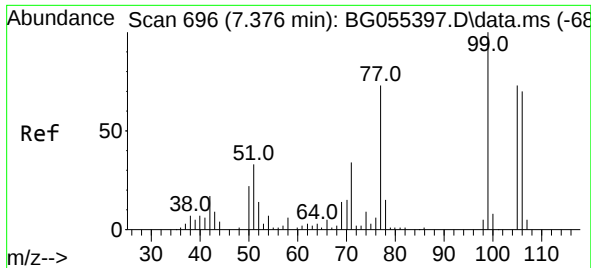


#8
2-Chlorophenol
Concen: 47.603 ng
RT: 7.795 min Scan# 767
Delta R.T. 0.006 min
Lab File: BG055476.D
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Tgt Ion:128 Resp: 101602
Ion Ratio Lower Upper
128 100
130 32.0 12.3 52.3
64 44.4 25.3 65.3





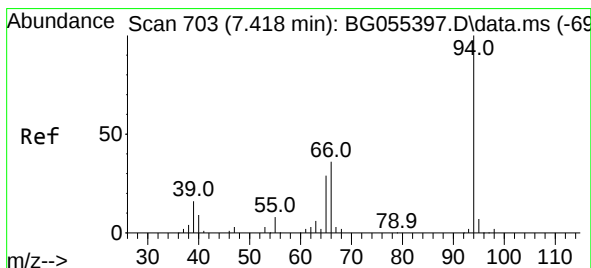
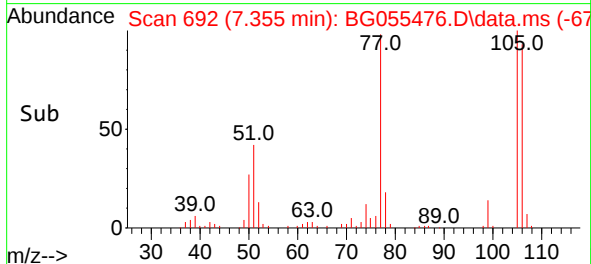
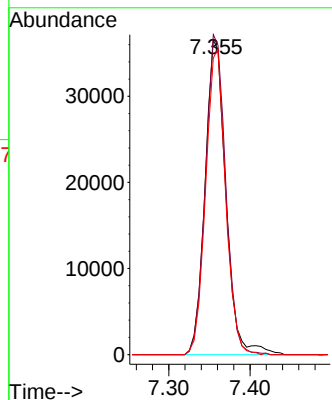
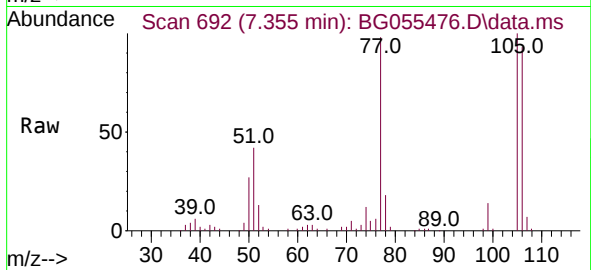
#9
Benzaldehyde
Concen: 45.262 ng
RT: 7.355 min Scan# 69
Delta R.T. -0.006 min
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Tgt Ion: 77 Resp: 64823
Ion Ratio Lower Upper
77 100
105 101.8 79.7 119.7
106 94.4 75.4 115.4

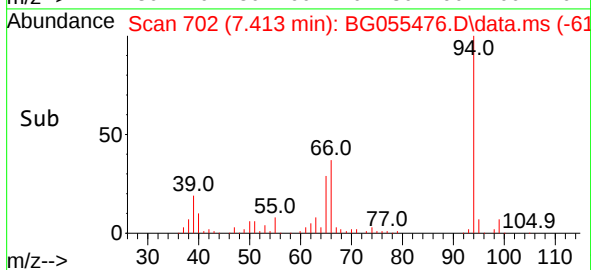
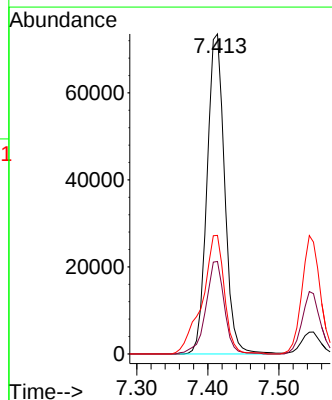
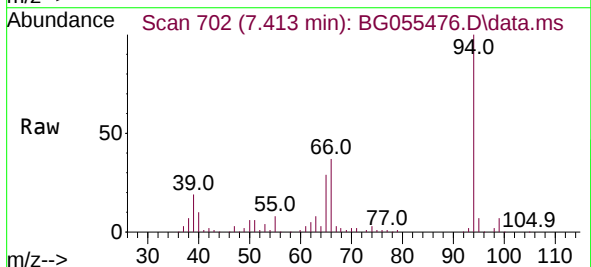
Manual Integrations
APPROVED

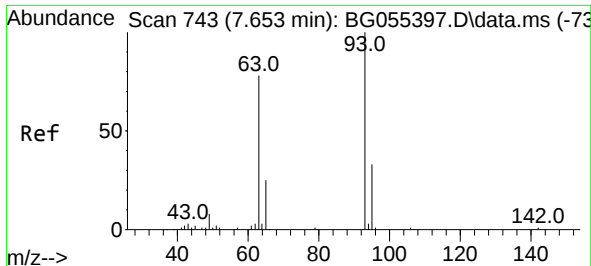
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#10
Phenol
Concen: 45.748 ng
RT: 7.413 min Scan# 702
Delta R.T. 0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Tgt Ion: 94 Resp: 126140
Ion Ratio Lower Upper
94 100
65 28.9 9.0 49.0
66 37.0 17.6 57.6





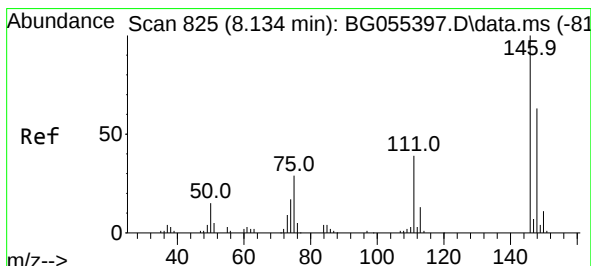
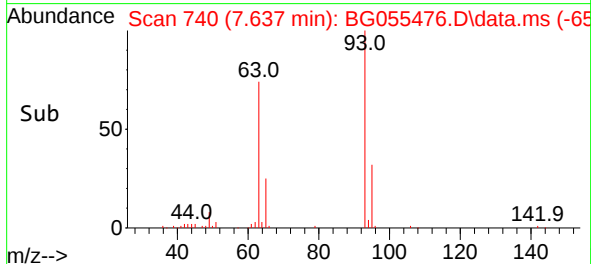
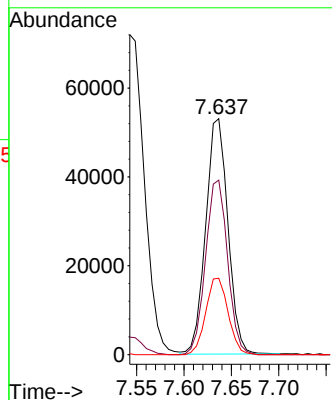
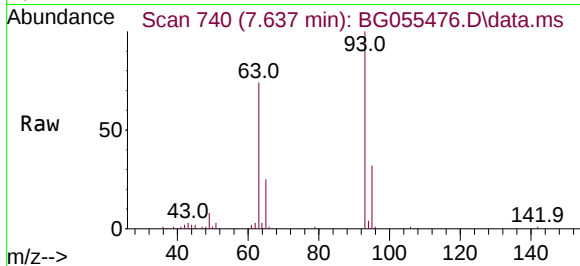
#11
bis(2-Chloroethyl)ether
Concen: 41.974 ng
RT: 7.637 min Scan# 743
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD

Tgt Ion: 93 Resp: 86586
Ion Ratio Lower Upper
93 100
63 74.0 57.4 97.4
95 32.4 12.5 52.5

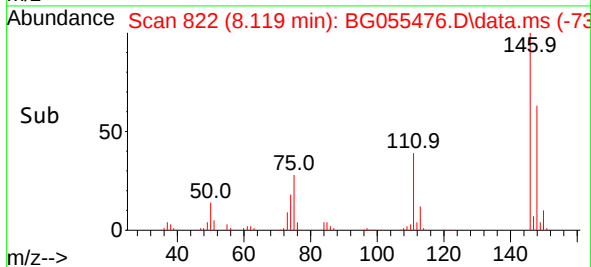
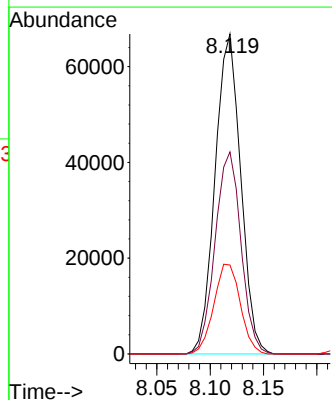
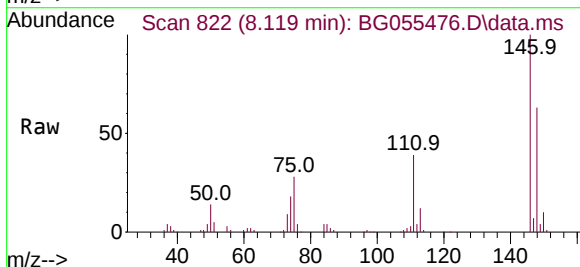
Manual Integrations
APPROVED

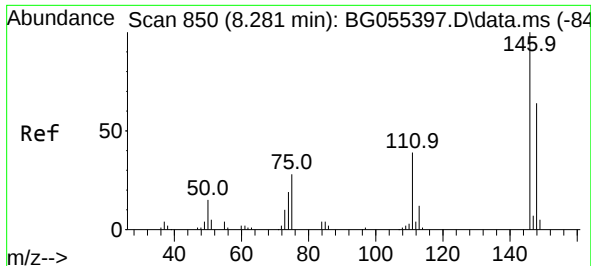
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#12
1,3-Dichlorobenzene
Concen: 46.272 ng
RT: 8.119 min Scan# 822
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

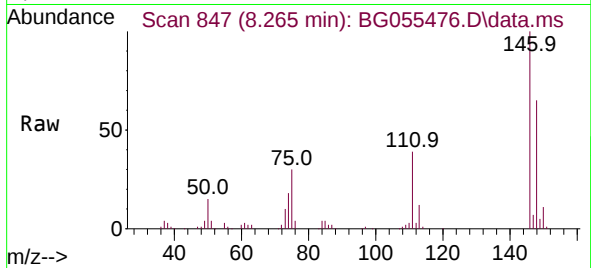
Tgt Ion:146 Resp: 111943
Ion Ratio Lower Upper
146 100
148 63.1 50.6 75.8
75 27.8 22.8 34.2





#13
1,4-Dichlorobenzene
Concen: 45.551 ng
RT: 8.265 min Scan# 847
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

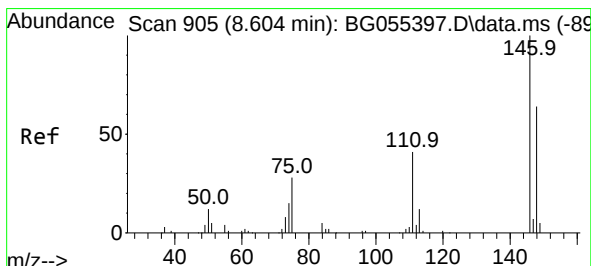
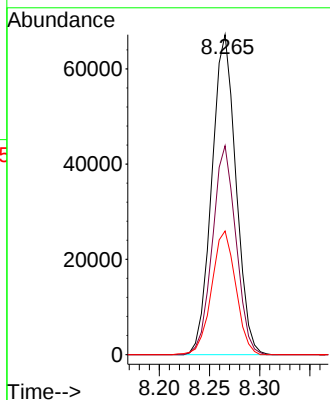
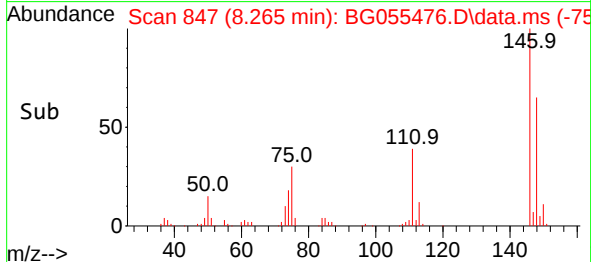
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



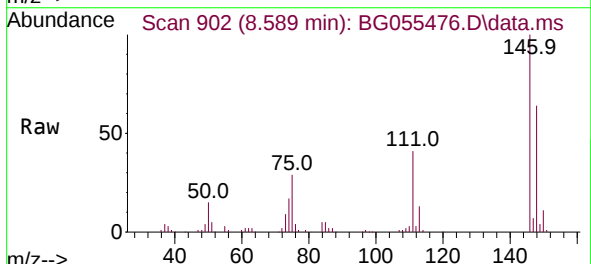
Tgt Ion:146 Resp: 112238
Ion Ratio Lower Upper
146 100
148 65.3 51.1 76.7
111 38.6 31.2 46.8

Manual Integrations
APPROVED

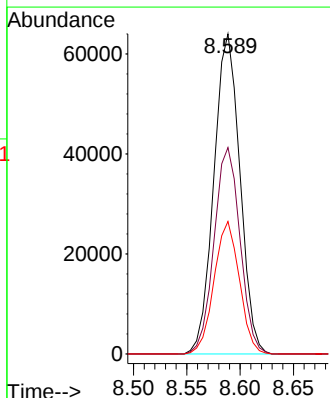
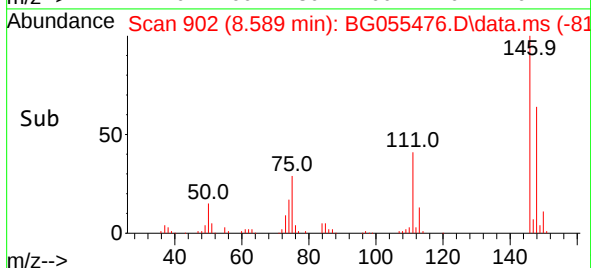
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

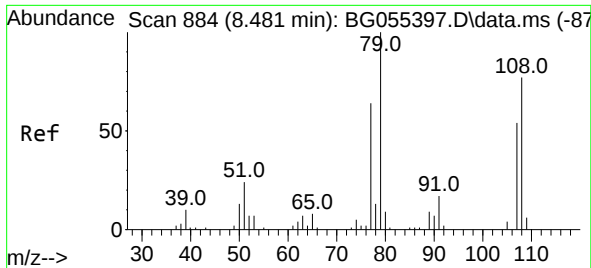


#14
1,2-Dichlorobenzene
Concen: 46.157 ng
RT: 8.589 min Scan# 902
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56



Tgt Ion:146 Resp: 108859
Ion Ratio Lower Upper
146 100
148 64.5 51.4 77.2
111 41.4 33.2 49.8





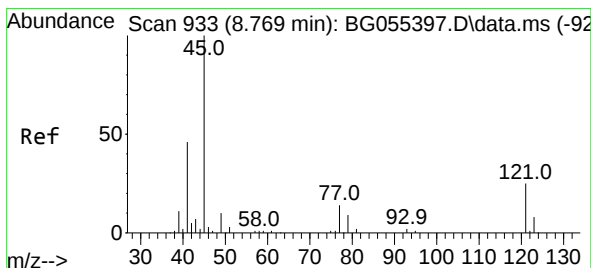
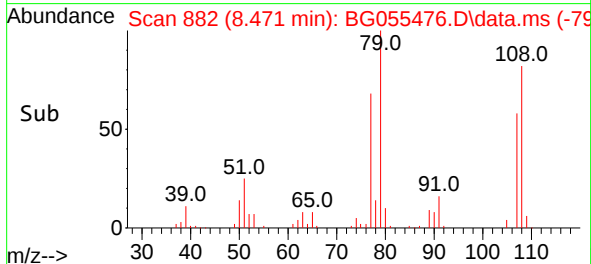
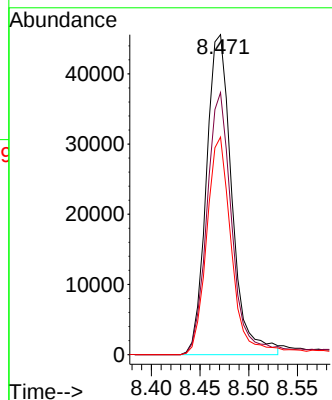
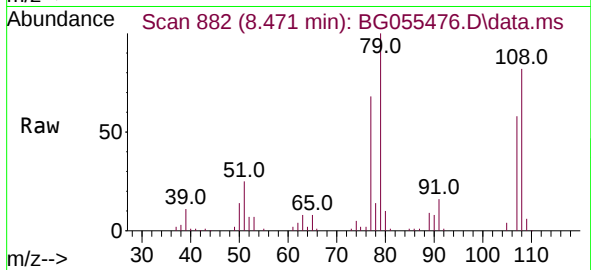
#15
Benzyl Alcohol
Concen: 42.789 ng m
RT: 8.471 min Scan# 884
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD

Tgt Ion: 79 Resp: 83134
Ion Ratio Lower Upper
79 100
108 81.9 61.6 92.4
77 68.0 51.4 77.0

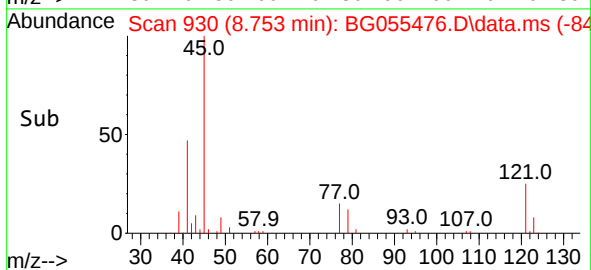
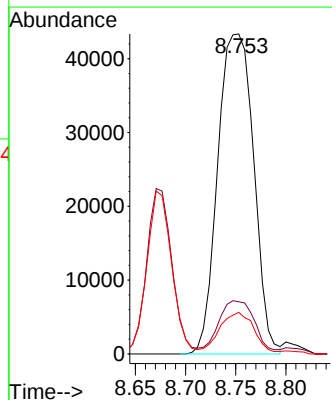
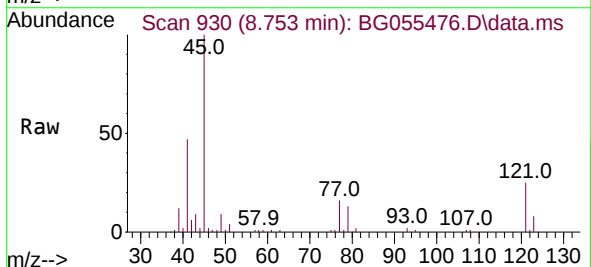
Manual Integrations
APPROVED

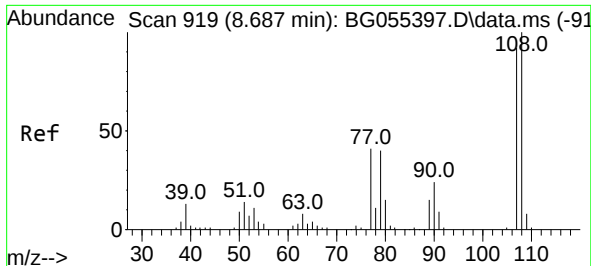
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.274 ng
RT: 8.753 min Scan# 930
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Tgt Ion: 45 Resp: 107791
Ion Ratio Lower Upper
45 100
77 16.3 0.0 36.6
79 13.0 0.0 31.3





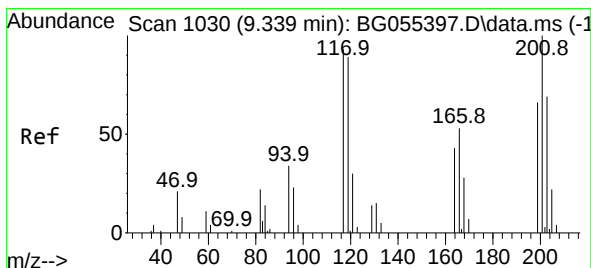
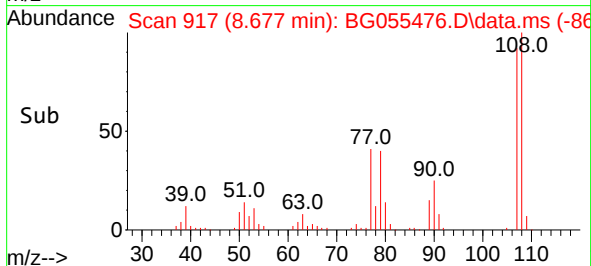
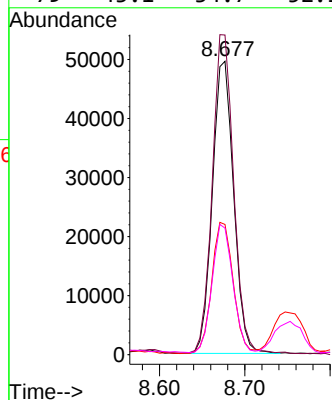
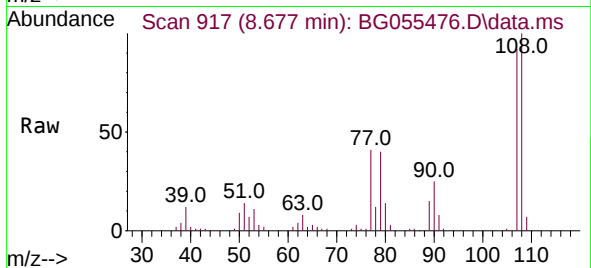
#17
2-Methylphenol
Concen: 43.269 ng
RT: 8.677 min Scan# 917
Delta R.T. 0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD

Tgt Ion:	107	Resp:	85840
Ion Ratio	Lower	Upper	
107	100		
108	108.9	86.9	130.3
77	44.4	36.1	54.1
79	43.1	34.7	52.1

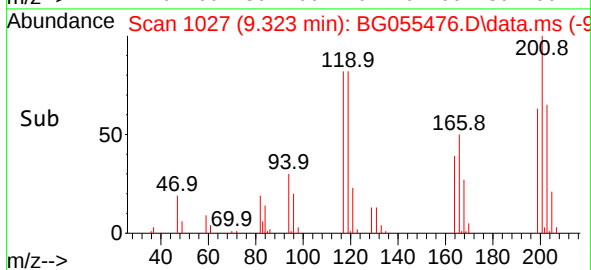
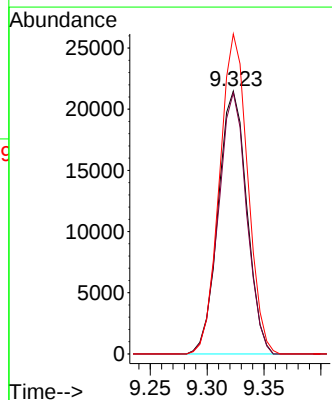
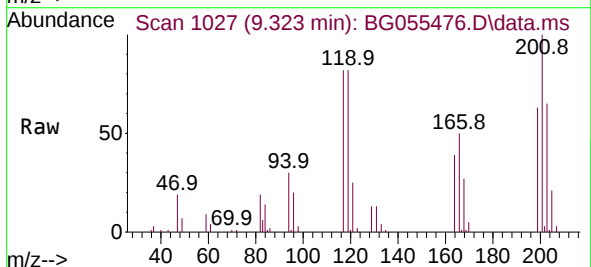
Manual Integrations
APPROVED

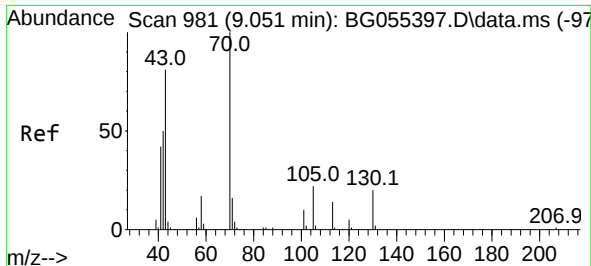
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#18
Hexachloroethane
Concen: 44.755 ng
RT: 9.323 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Tgt Ion:	117	Resp:	37619
Ion Ratio	Lower	Upper	
117	100		
119	99.4	76.5	114.7
201	121.8	86.1	129.1





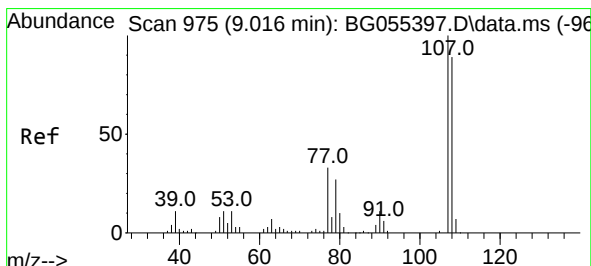
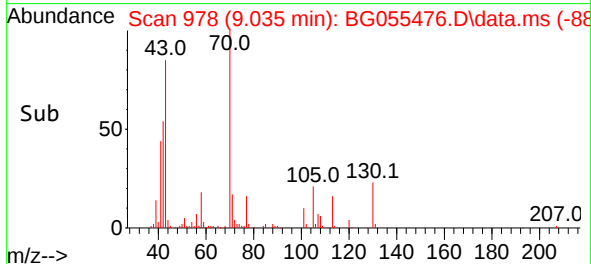
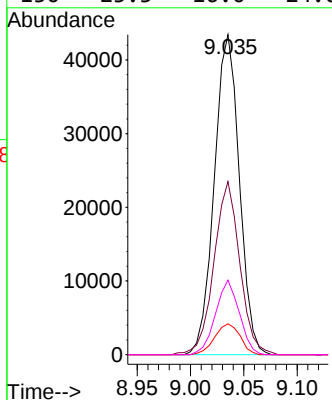
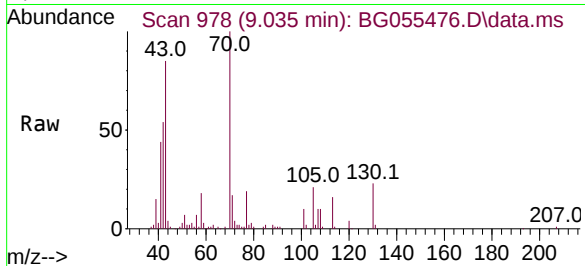
#19
n-Nitroso-di-n-propylamine
Concen: 37.263 ng
RT: 9.035 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD

Tgt Ion: 70 Resp: 70930
Ion Ratio Lower Upper
70 100
42 54.1 40.6 61.0
101 9.7 7.8 11.6
130 23.3 16.0 24.0

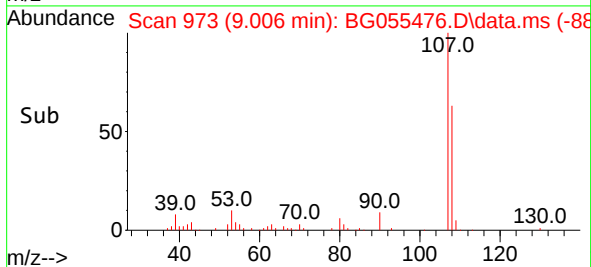
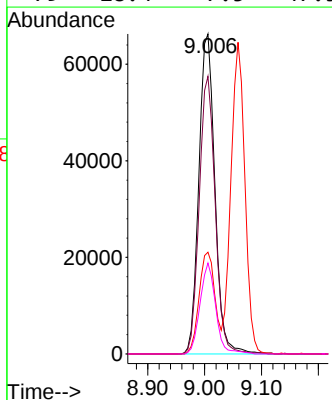
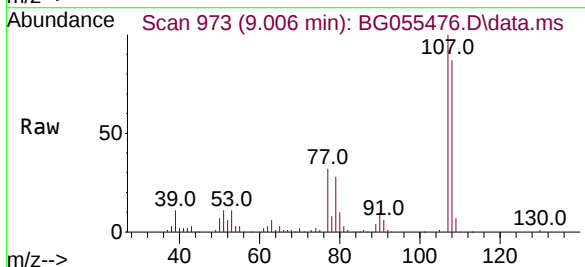
Manual Integrations
APPROVED

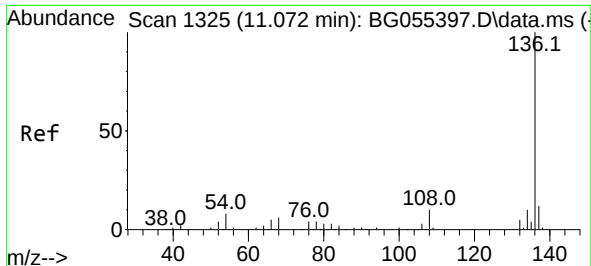
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#20
3+4-Methylphenols
Concen: 45.972 ng
RT: 9.006 min Scan# 973
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

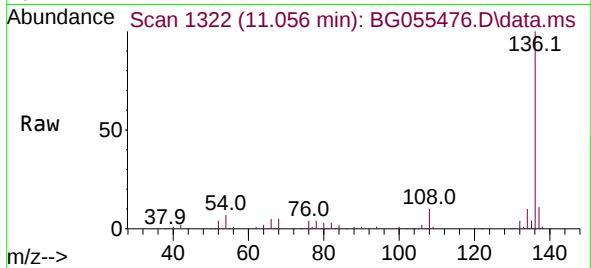
Tgt Ion:107 Resp: 129588
Ion Ratio Lower Upper
107 100
108 86.7 69.1 109.1
77 31.8 12.8 52.8
79 28.4 7.5 47.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.056 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

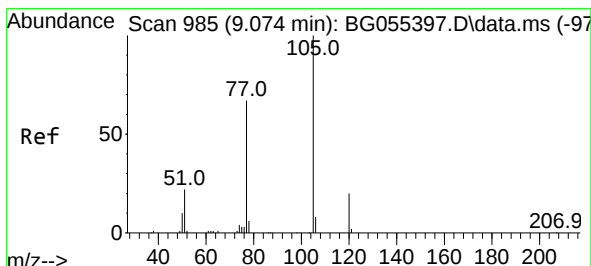
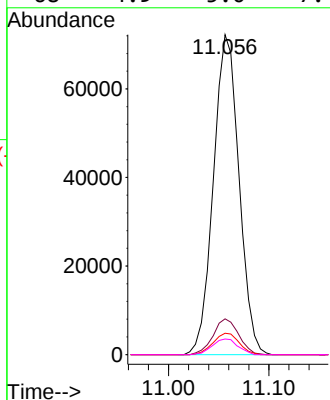
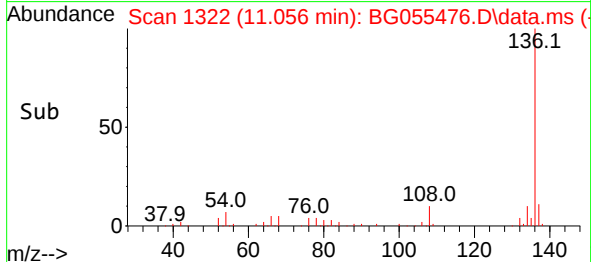
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:136 Resp: 128105
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.2
54 6.7 6.1 9.1
68 4.9 5.0 7.4#

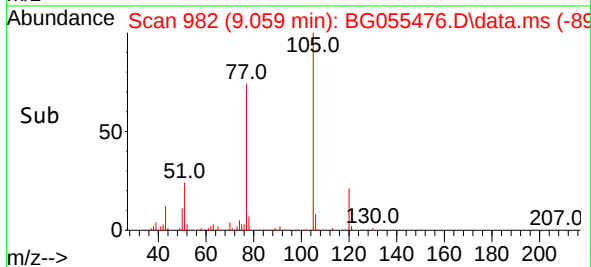
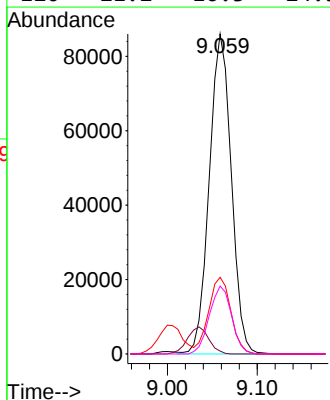
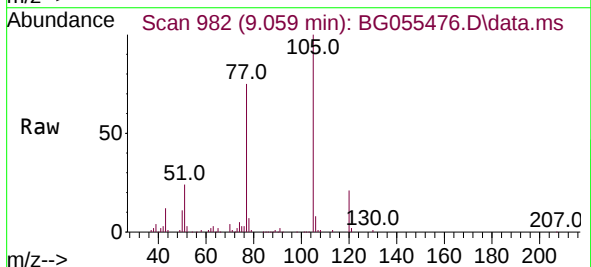
Manual Integrations
APPROVED

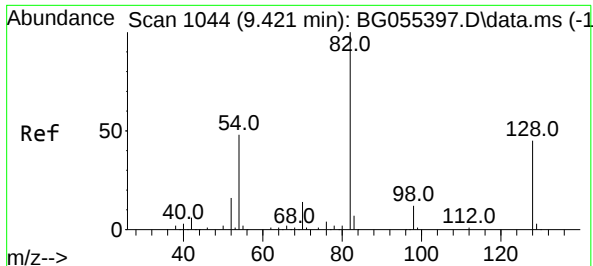
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#22
Acetophenone
Concen: 43.719 ng
RT: 9.059 min Scan# 982
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Tgt Ion:105 Resp: 146797
Ion Ratio Lower Upper
105 100
71 0.9 0.5 0.7#
51 24.0 19.6 29.4
120 21.2 16.3 24.5





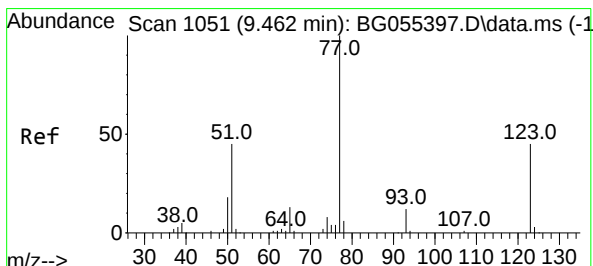
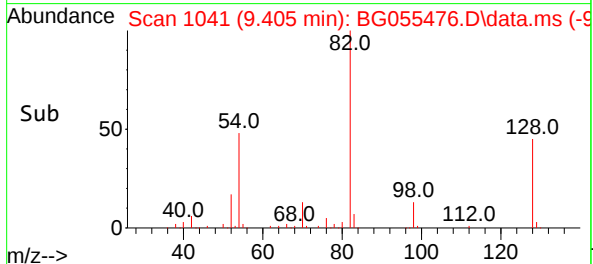
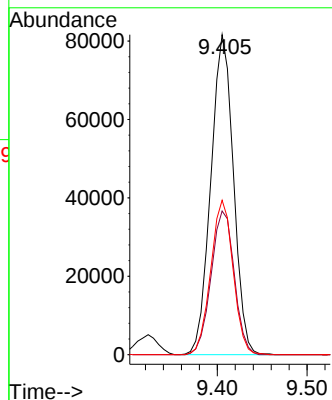
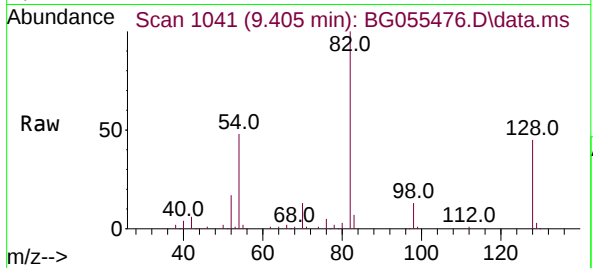
#23
Nitrobenzene-d5
Concen: 59.512 ng
RT: 9.405 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD

Tgt Ion: 82 Resp: 143048
Ion Ratio Lower Upper
82 100
128 44.9 35.8 53.8
54 48.2 38.1 57.1

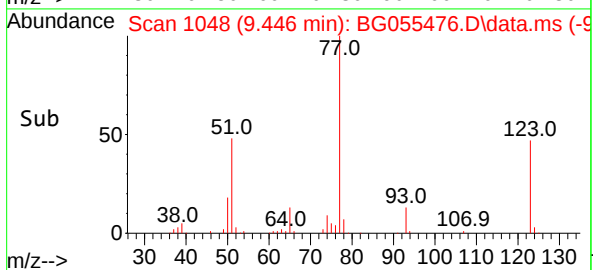
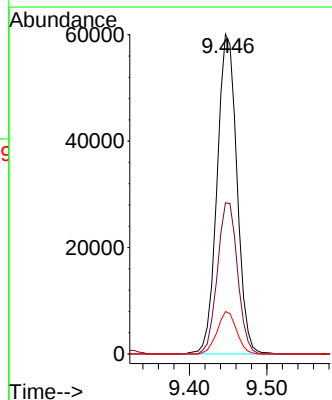
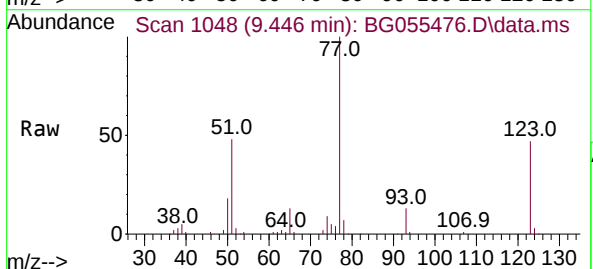
Manual Integrations
APPROVED

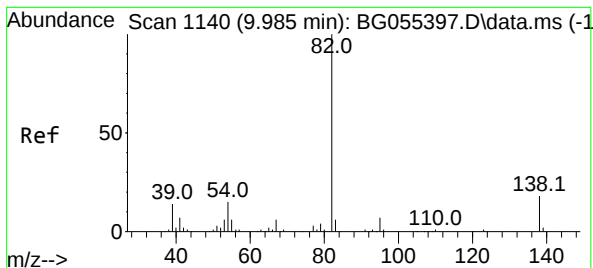
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#24
Nitrobenzene
Concen: 42.679 ng
RT: 9.446 min Scan# 1048
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Tgt Ion: 77 Resp: 106955
Ion Ratio Lower Upper
77 100
123 47.2 35.8 53.8
65 13.2 10.2 15.4





#25

Isophorone

Concen: 41.235 ng

RT: 9.969 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG055476.D

Acq: 5 Nov 2022 18:56

Instrument :

BNA_G

ClientSampleId :

LFR-SOIL-1103MSD

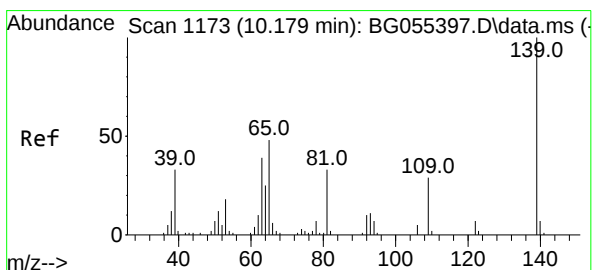
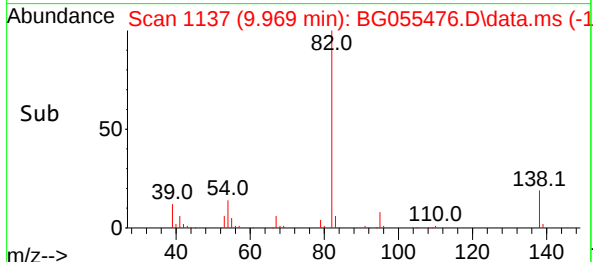
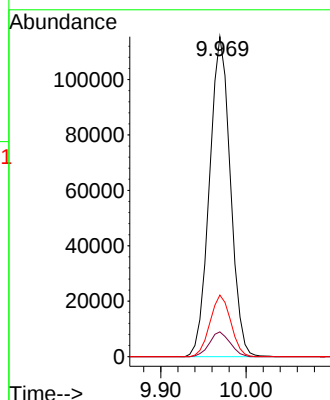
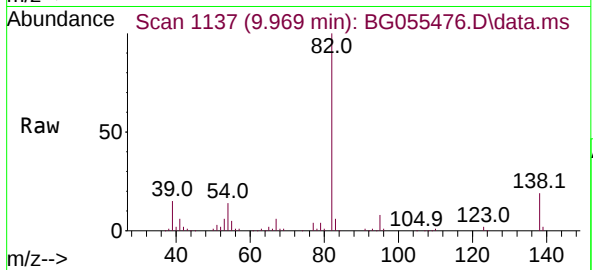
Tgt Ion: 82 Resp: 196295
 Ion Ratio Lower Upper
 82 100
 95 7.7 6.0 9.0
 138 19.2 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/07/2022

Supervised By :Jagrut Upadhyay 11/07/2022



#26

2-Nitrophenol

Concen: 46.448 ng

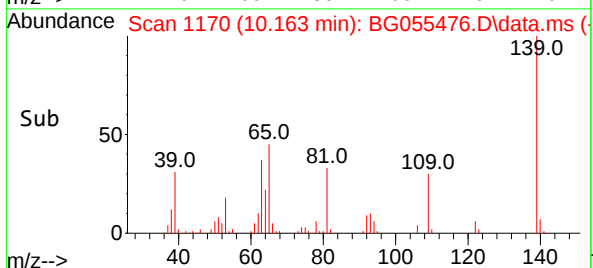
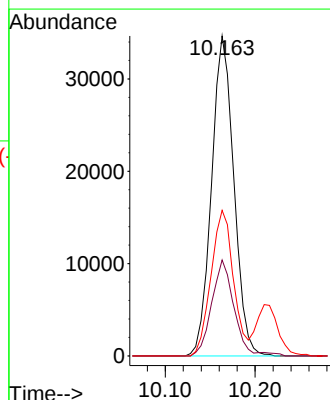
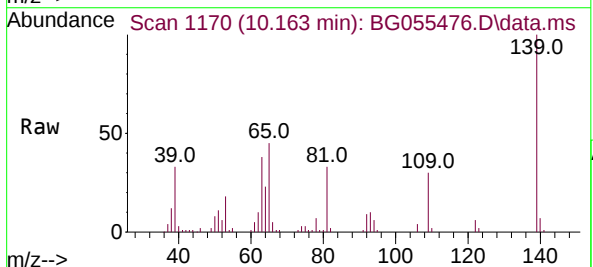
RT: 10.163 min Scan# 1170

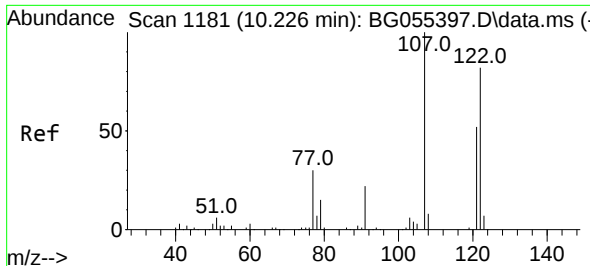
Delta R.T. 0.000 min

Lab File: BG055476.D

Acq: 5 Nov 2022 18:56

Tgt Ion:139 Resp: 59937
 Ion Ratio Lower Upper
 139 100
 109 30.0 22.9 34.3
 65 45.5 38.7 58.1





#27

2,4-Dimethylphenol

Concen: 52.571 ng

RT: 10.216 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BG055476.D

Acq: 5 Nov 2022 18:56

Instrument :

BNA_G

ClientSampleId :

LFR-SOIL-1103MSD

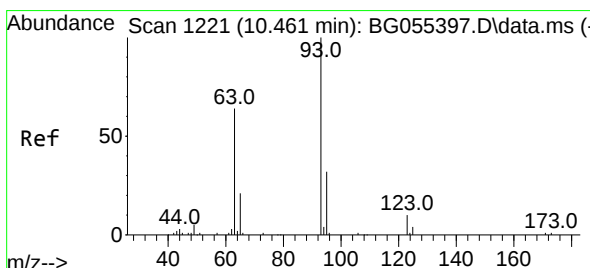
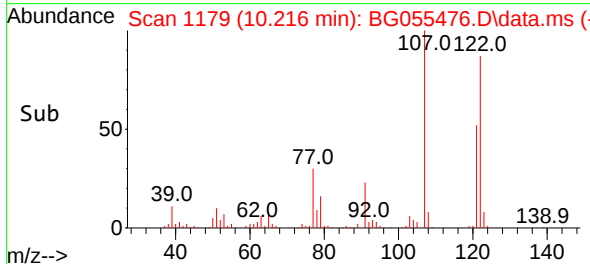
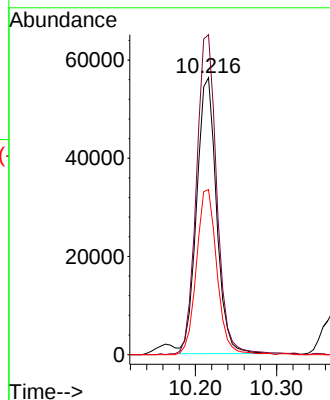
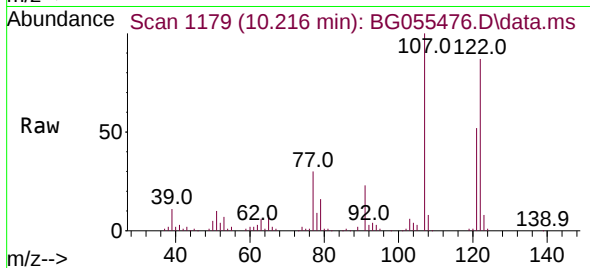
Tgt Ion:122 Resp: 95120
 Ion Ratio Lower Upper
 122 100
 107 115.6 95.4 143.2
 121 59.6 49.5 74.3

Manual Integrations

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Reviewed By :Christian Giraldo 11/07/2022

Supervised By :Jagrut Upadhyay 11/07/2022



#28

bis(2-Chloroethoxy)methane

Concen: 45.653 ng

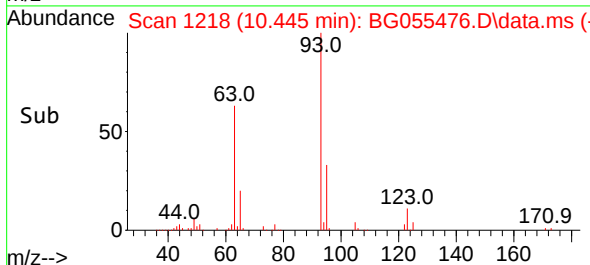
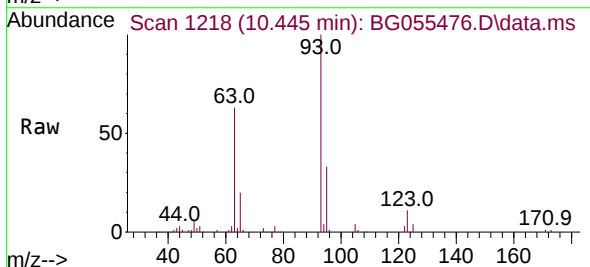
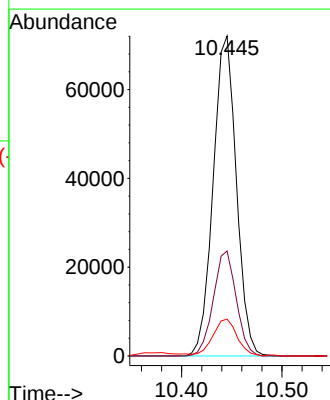
RT: 10.445 min Scan# 1218

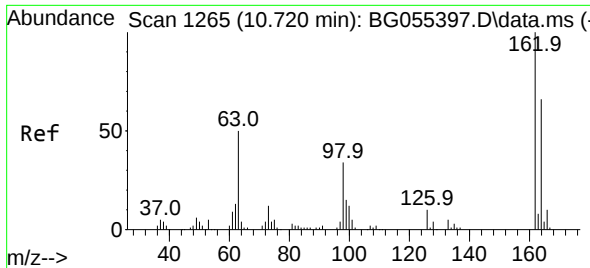
Delta R.T. 0.000 min

Lab File: BG055476.D

Acq: 5 Nov 2022 18:56

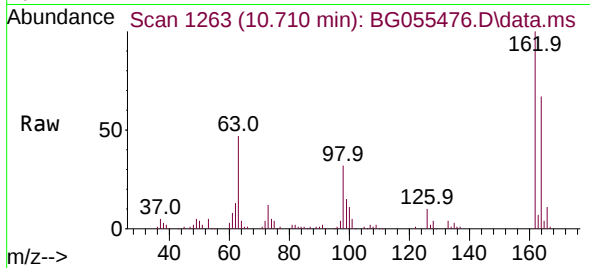
Tgt Ion: 93 Resp: 115756
 Ion Ratio Lower Upper
 93 100
 95 32.8 25.7 38.5
 123 11.5 8.4 12.6





#29
2,4-Dichlorophenol
Concen: 46.727 ng
RT: 10.710 min Scan# 1263
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

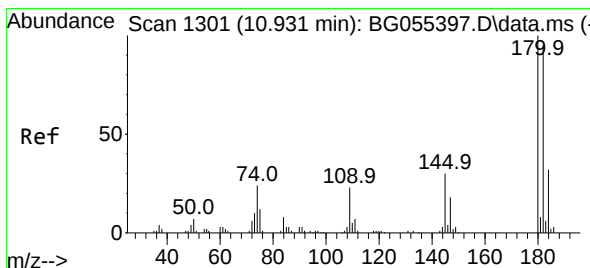
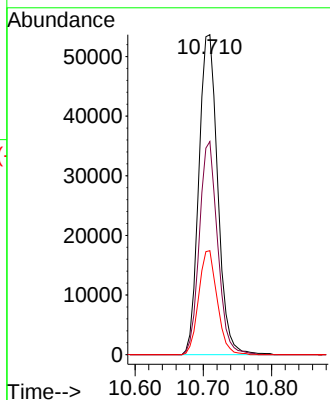
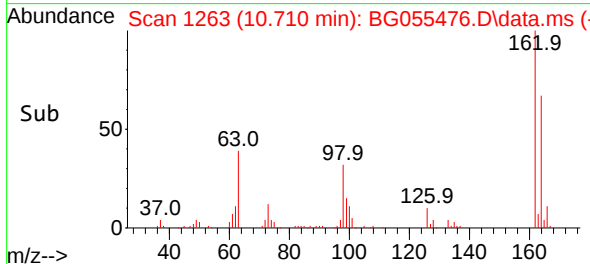
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



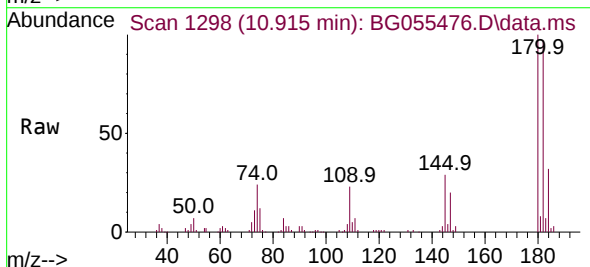
Tgt Ion:162 Resp: 103134
Ion Ratio Lower Upper
162 100
164 66.6 46.1 86.1
98 32.5 13.8 53.8

Manual Integrations
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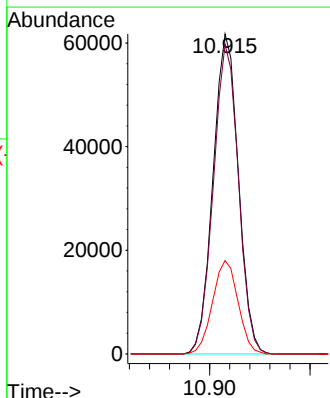
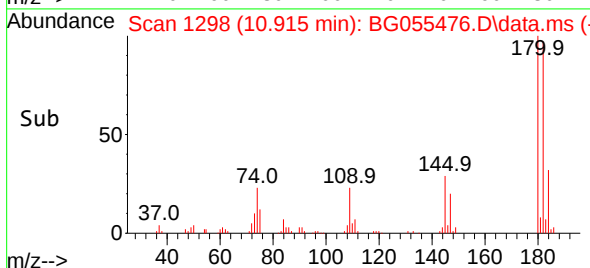
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

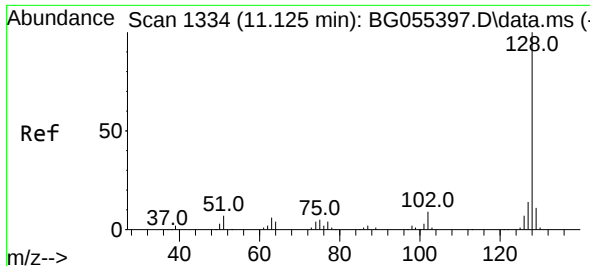


#30
1,2,4-Trichlorobenzene
Concen: 45.332 ng
RT: 10.915 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56



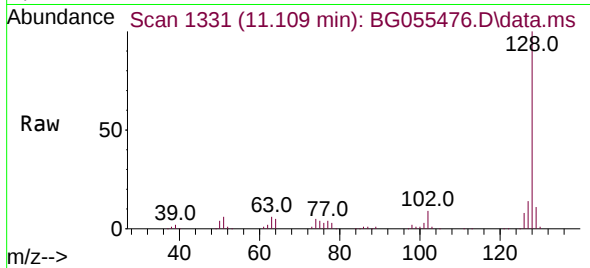
Tgt Ion:180 Resp: 108345
Ion Ratio Lower Upper
180 100
182 96.7 76.2 114.2
145 29.2 23.9 35.9





#31
Naphthalene
Concen: 42.838 ng
RT: 11.109 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

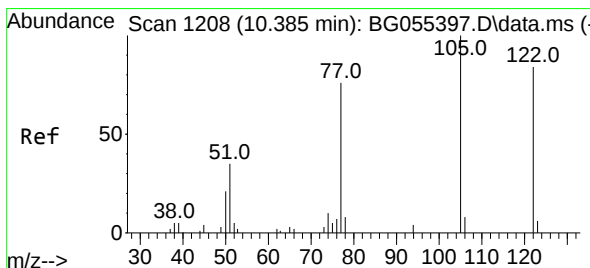
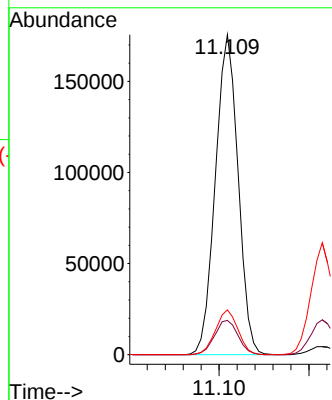
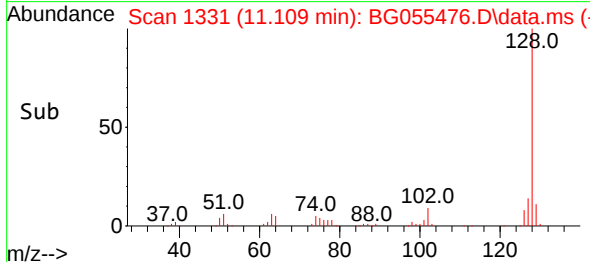
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:128 Resp: 308974
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 14.0 10.8 16.2

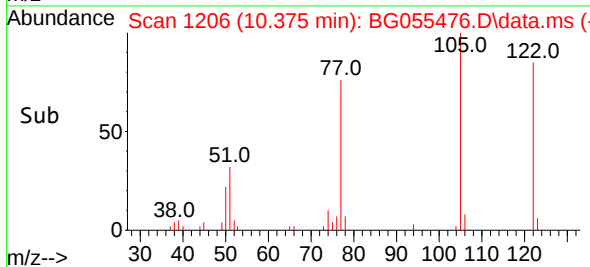
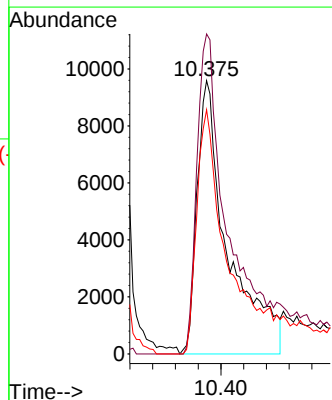
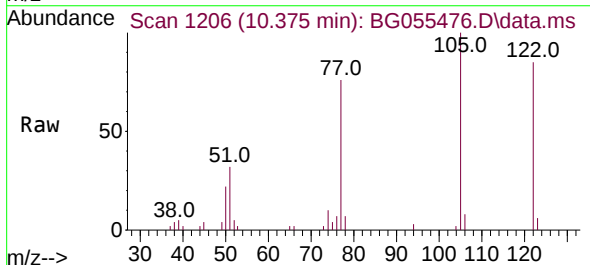
Manual Integrations
APPROVED

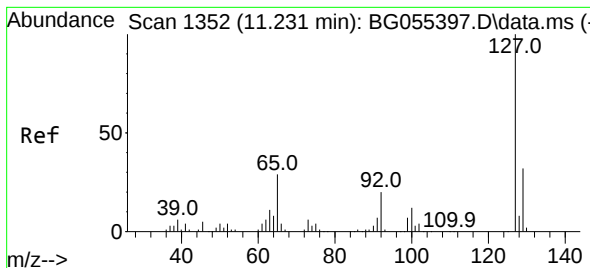
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#32
Benzoic acid
Concen: 35.717 ng
RT: 10.375 min Scan# 1206
Delta R.T. -0.017 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

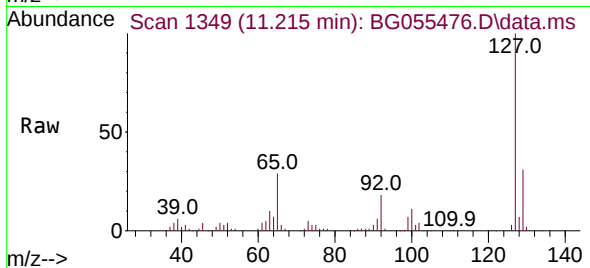
Tgt Ion:122 Resp: 35978
Ion Ratio Lower Upper
122 100
105 117.1 97.4 137.4
77 89.4 69.5 109.5





#33
4-Chloroaniline
Concen: 36.358 ng
RT: 11.215 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

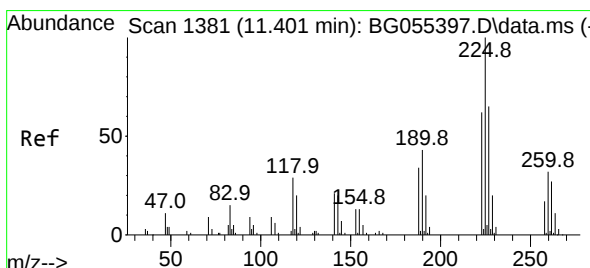
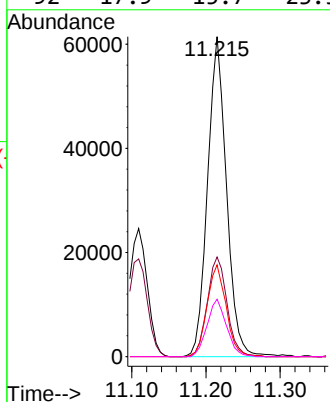
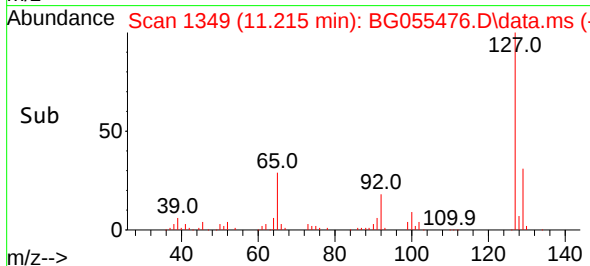
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



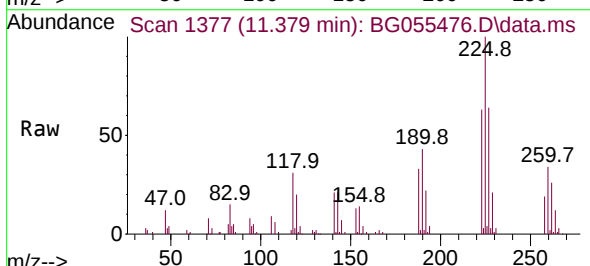
Tgt Ion:127 Resp: 108962
Ion Ratio Lower Upper
127 100
129 31.1 25.3 37.9
65 28.7 23.0 34.4
92 17.9 15.7 23.5

Manual Integrations
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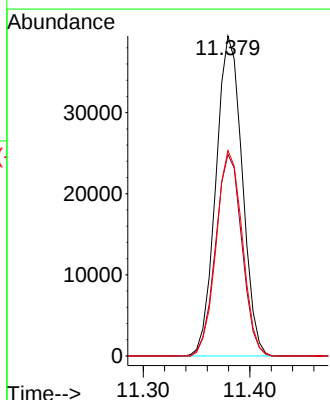
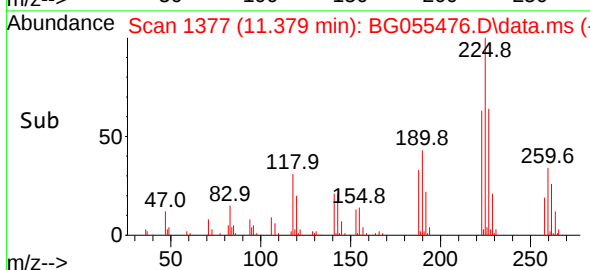
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

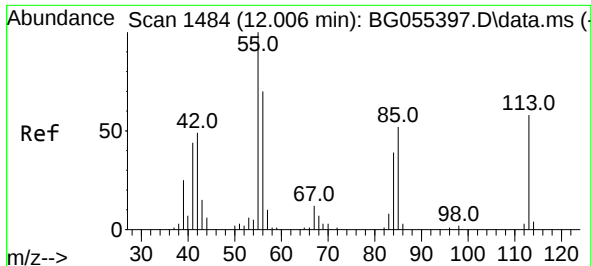


#34
Hexachlorobutadiene
Concen: 45.554 ng
RT: 11.379 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56



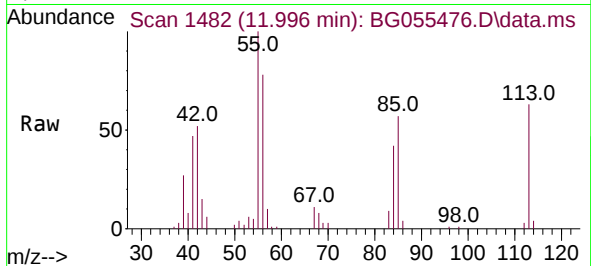
Tgt Ion:225 Resp: 67676
Ion Ratio Lower Upper
225 100
223 63.0 49.9 74.9
227 64.2 51.9 77.9





#35
Caprolactam
Concen: 39.632 ng
RT: 11.996 min Scan# 1482
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

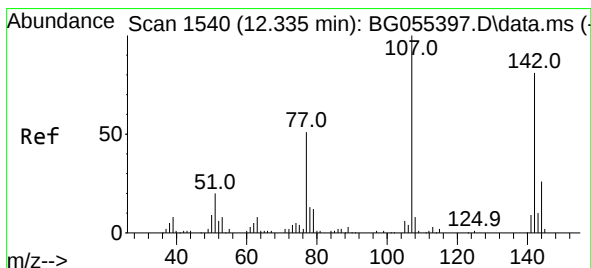
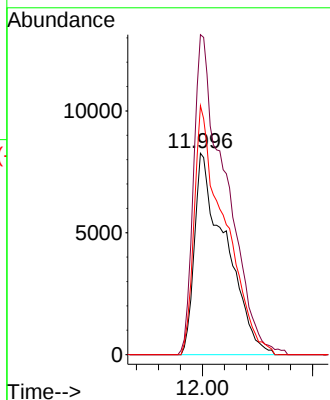
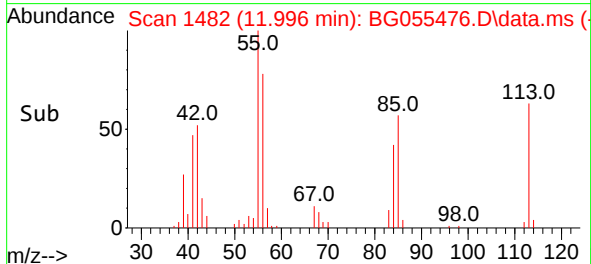
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



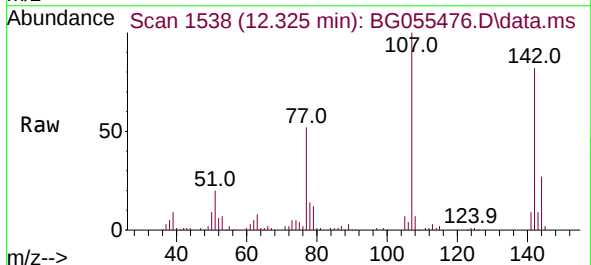
Tgt Ion:113 Resp: 3238
Ion Ratio Lower Upper
113 100
55 159.0 152.6 192.6
56 123.6 100.5 140.5

Manual Integrations
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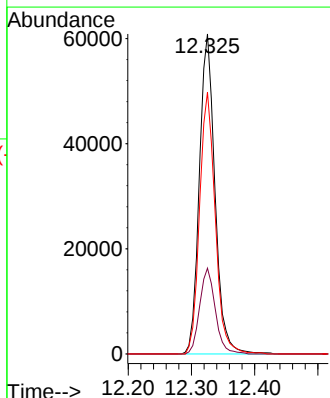
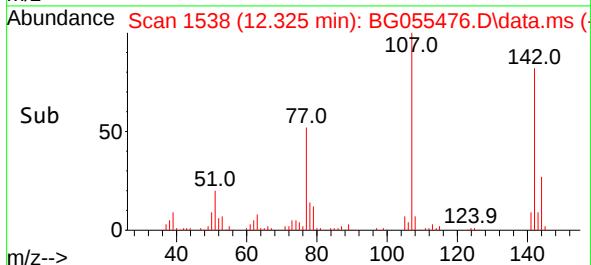
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

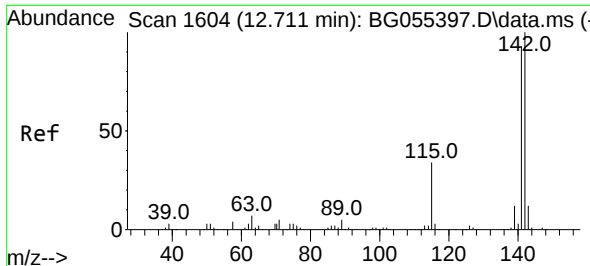


#36
4-Chloro-3-methylphenol
Concen: 43.184 ng
RT: 12.325 min Scan# 1538
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56



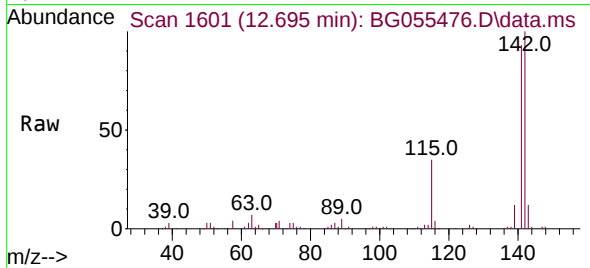
Tgt Ion:107 Resp: 104362
Ion Ratio Lower Upper
107 100
144 26.8 20.6 31.0
142 81.8 64.7 97.1





#37
2-Methylnaphthalene
Concen: 41.612 ng
RT: 12.695 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

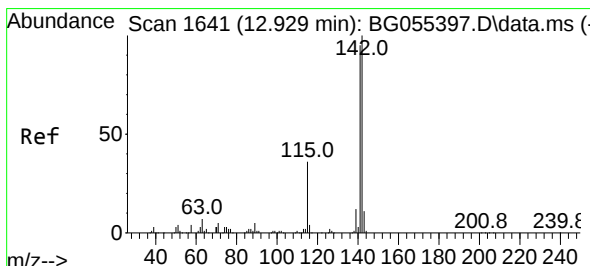
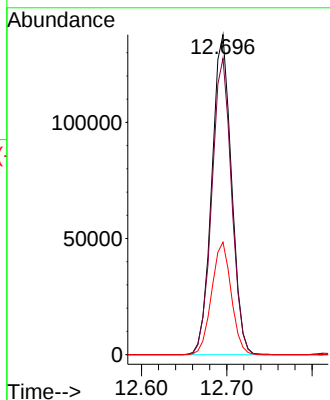
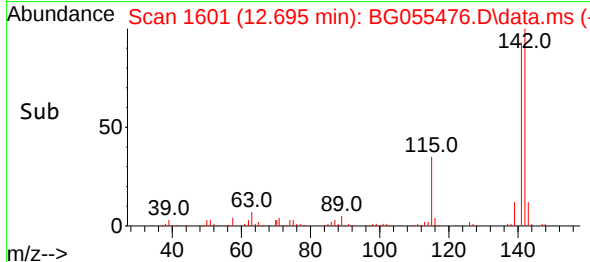
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:142 Resp: 220458
Ion Ratio Lower Upper
142 100
141 92.6 74.5 111.7
115 35.1 27.4 41.2

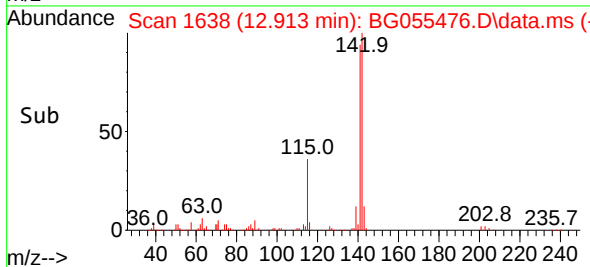
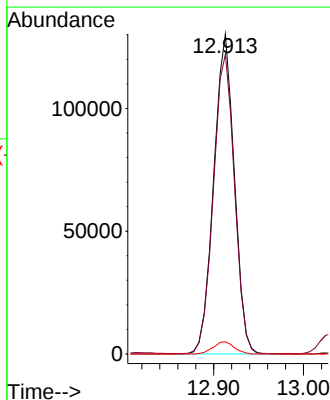
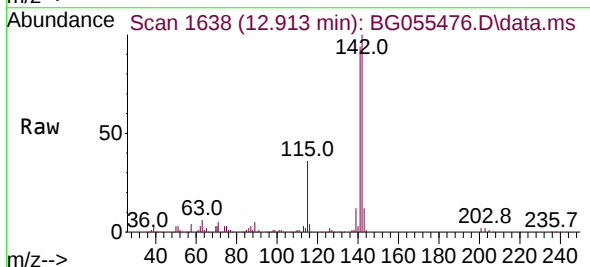
Manual Integrations
APPROVED

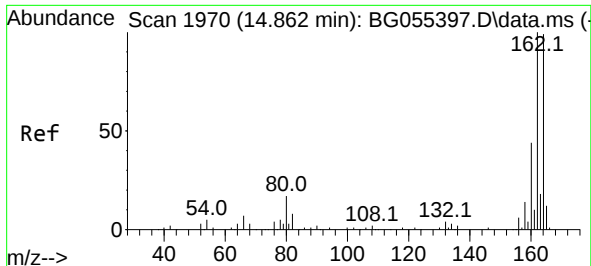
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#38
1-Methylnaphthalene
Concen: 40.293 ng
RT: 12.913 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

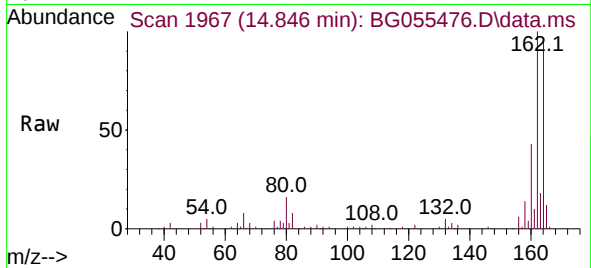
Tgt Ion:142 Resp: 208208
Ion Ratio Lower Upper
142 100
141 93.6 76.1 114.1
116 3.8 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.846 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

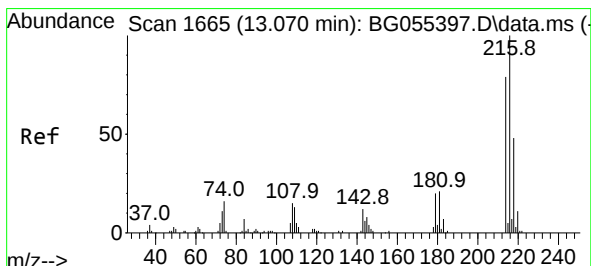
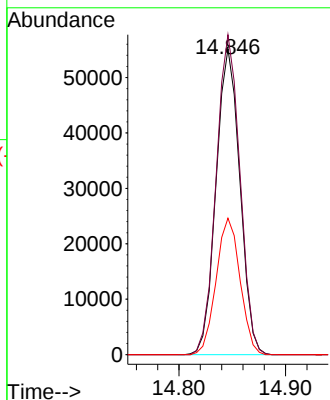
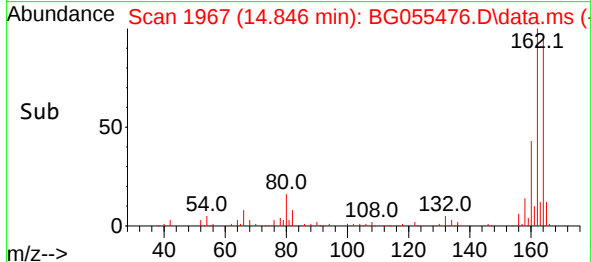
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



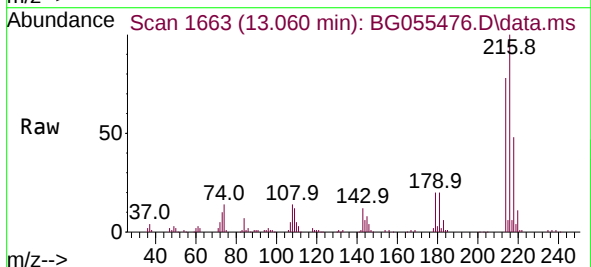
Tgt Ion:164 Resp: 85562
Ion Ratio Lower Upper
164 100
162 104.6 81.1 121.7
160 44.6 35.8 53.6

Manual Integrations
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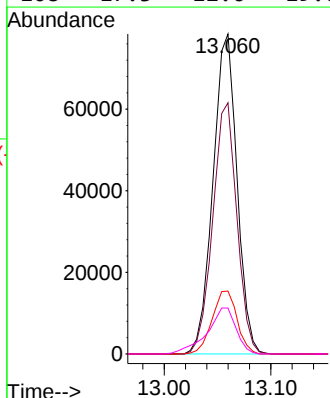
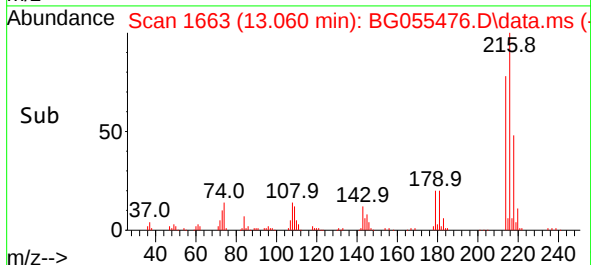
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

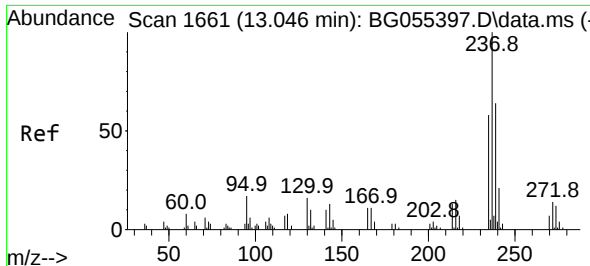


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.591 ng
RT: 13.060 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56



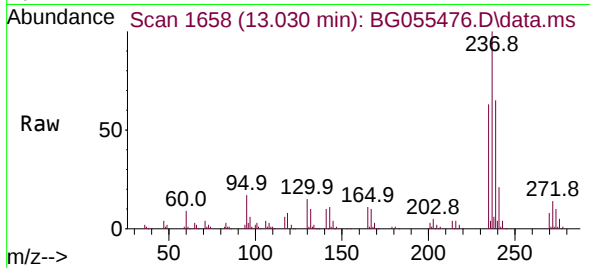
Tgt Ion:216 Resp: 122822
Ion Ratio Lower Upper
216 100
214 78.6 63.4 95.0
179 20.4 16.6 24.8
108 17.3 12.6 19.0





#41
Hexachlorocyclopentadiene
Concen: 100.295 ng
RT: 13.030 min Scan# 1658
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

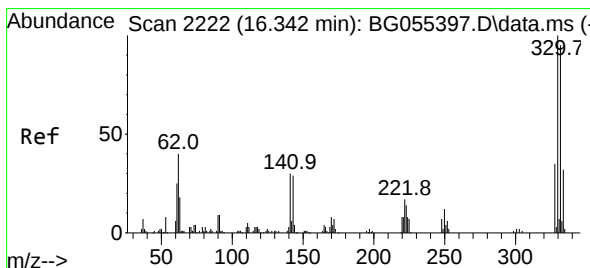
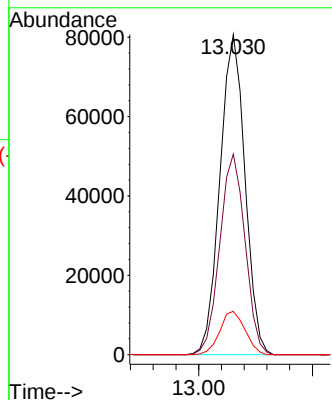
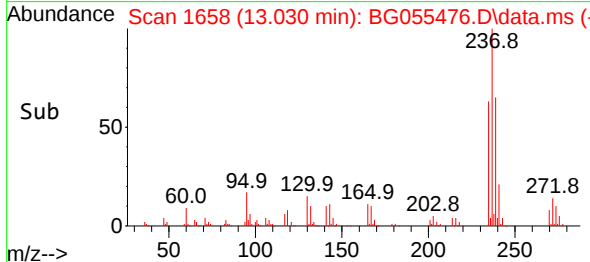
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:237 Resp: 123144
Ion Ratio Lower Upper
237 100
235 62.7 38.1 78.1
272 13.5 0.0 33.7

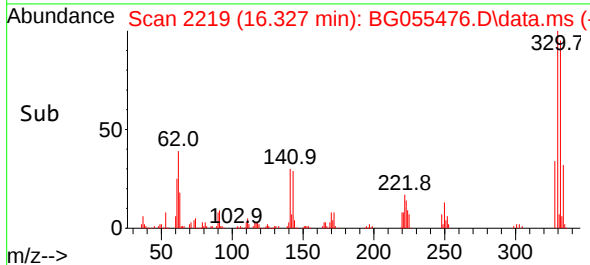
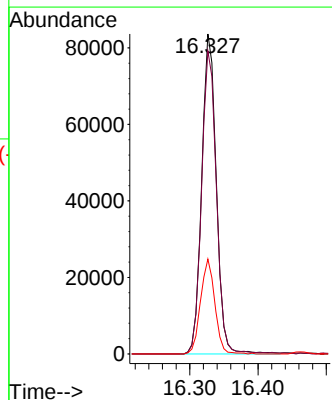
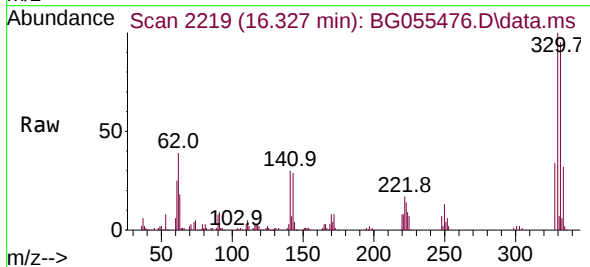
Manual Integrations
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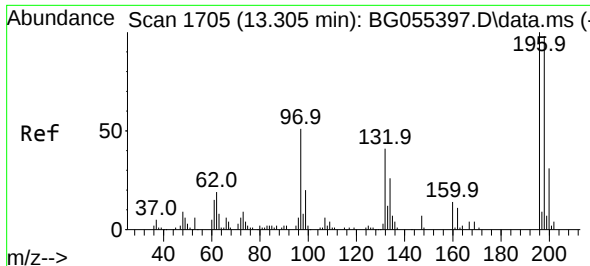
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#42
2,4,6-Tribromophenol
Concen: 106.455 ng
RT: 16.327 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

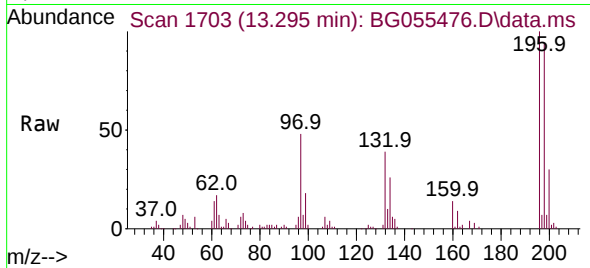
Tgt Ion:330 Resp: 124249
Ion Ratio Lower Upper
330 100
332 96.0 77.8 116.6
141 29.0 24.2 36.2





#43
2,4,6-Trichlorophenol
Concen: 48.590 ng
RT: 13.295 min Scan# 1715
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

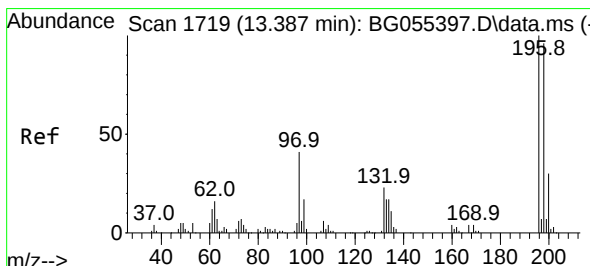
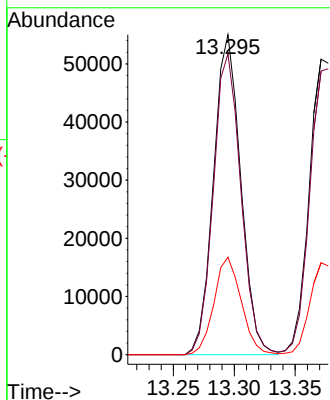
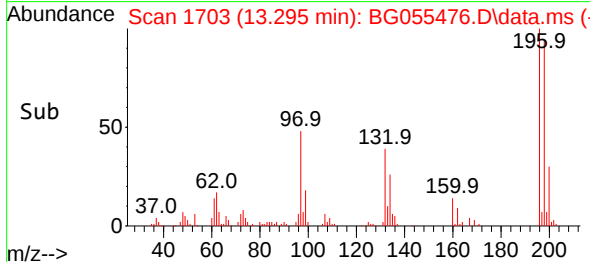
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



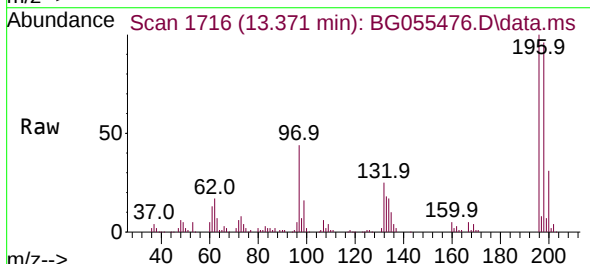
Tgt Ion:196 Resp: 85529
Ion Ratio Lower Upper
196 100
198 94.0 78.8 118.2
200 30.5 25.0 37.6

Manual Integrations
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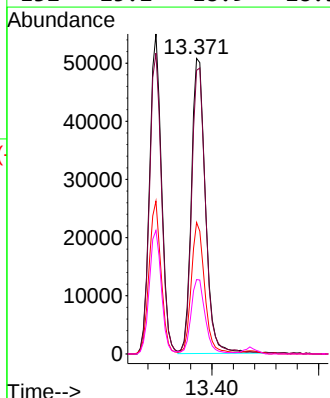
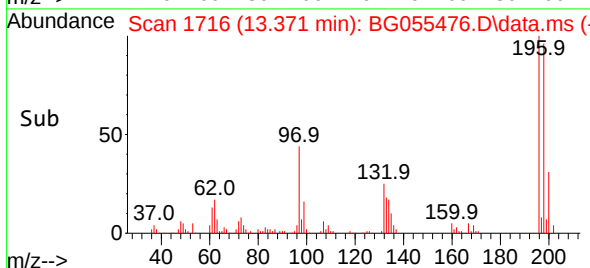
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

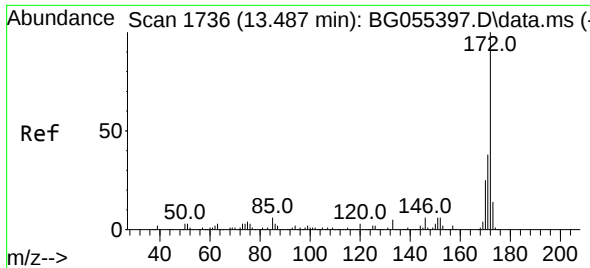


#44
2,4,5-Trichlorophenol
Concen: 47.393 ng
RT: 13.371 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56



Tgt Ion:196 Resp: 92921
Ion Ratio Lower Upper
196 100
198 96.0 76.9 115.3
97 44.5 33.1 49.7
132 25.2 18.9 28.3





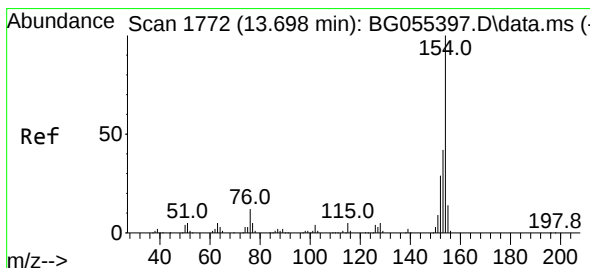
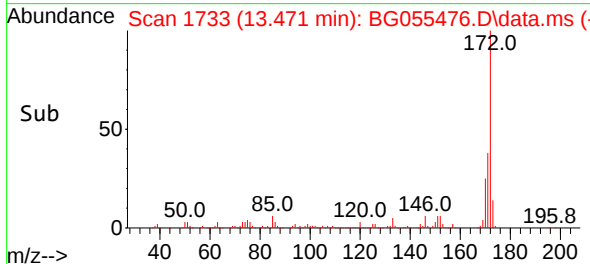
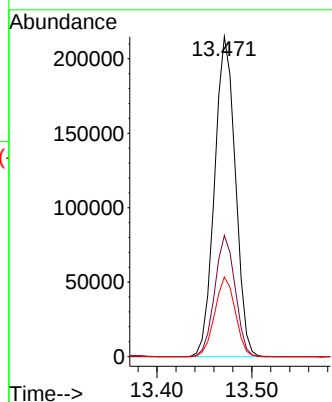
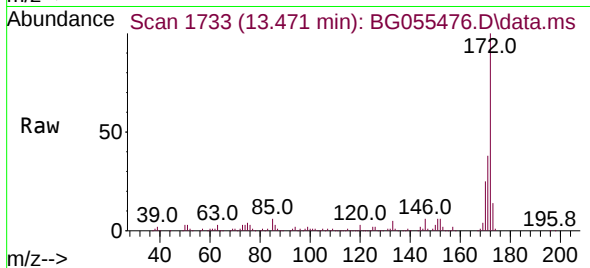
#45
2-Fluorobiphenyl
Concen: 56.718 ng
RT: 13.471 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD

Tgt Ion:172 Resp: 32733
Ion Ratio Lower Upper
172 100
171 37.9 30.2 45.2
170 24.9 20.2 30.2

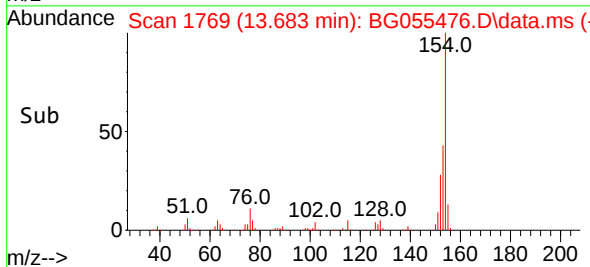
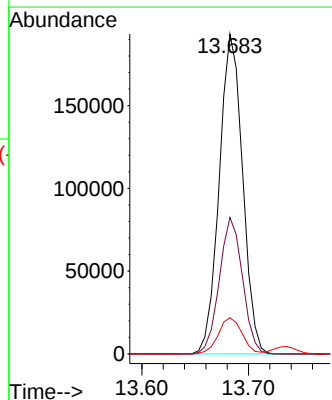
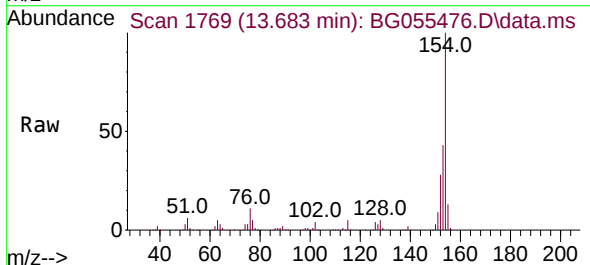
Manual Integrations
APPROVED

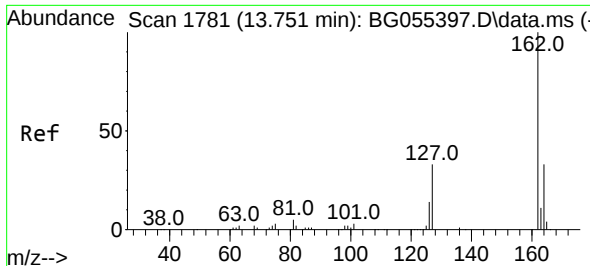
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#46
1,1'-Biphenyl
Concen: 46.776 ng
RT: 13.683 min Scan# 1769
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

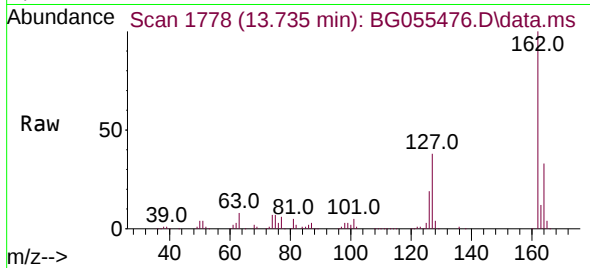
Tgt Ion:154 Resp: 294513
Ion Ratio Lower Upper
154 100
153 42.6 21.6 61.6
76 11.3 0.0 32.0





#47
2-Chloronaphthalene
Concen: 45.599 ng
RT: 13.735 min Scan# 1781
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

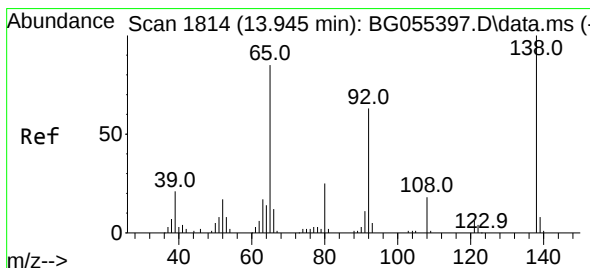
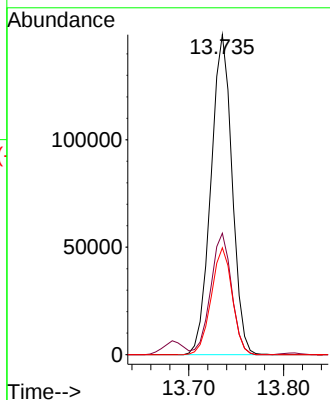
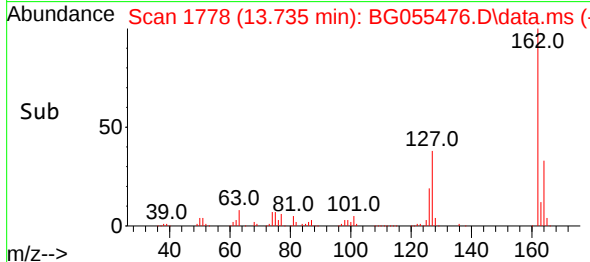
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:162 Resp: 230697
Ion Ratio Lower Upper
162 100
127 37.9 29.8 44.8
164 33.4 26.4 39.6

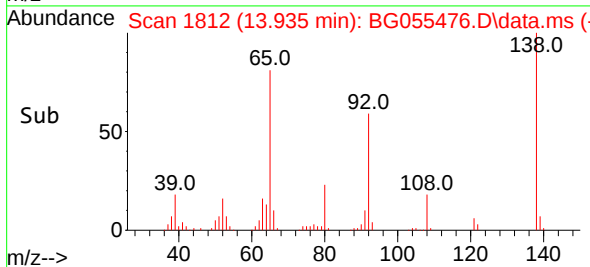
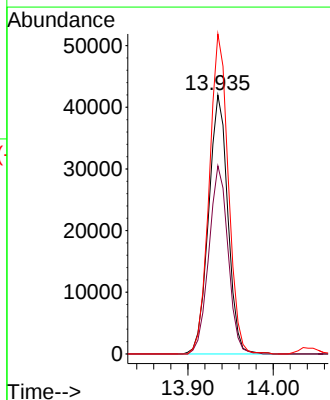
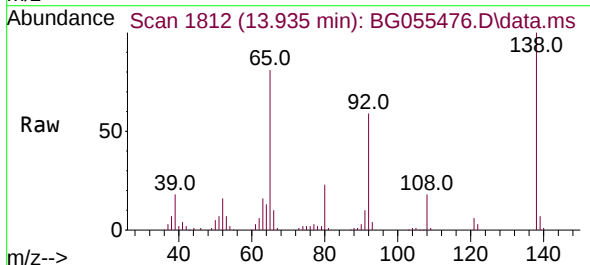
Manual Integrations
APPROVED

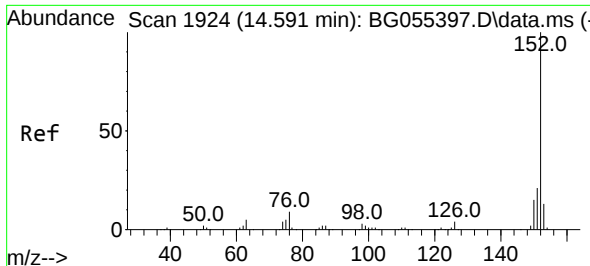
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#48
2-Nitroaniline
Concen: 42.264 ng
RT: 13.935 min Scan# 1812
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

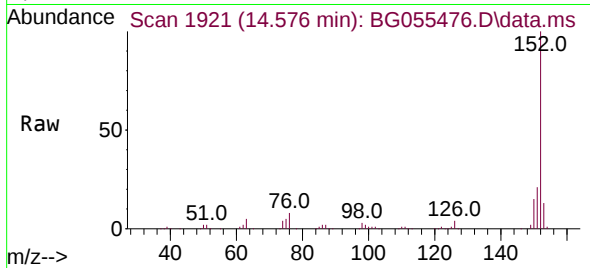
Tgt Ion: 65 Resp: 65676
Ion Ratio Lower Upper
65 100
92 72.7 59.4 89.0
138 123.6 93.8 140.8





#49
Acenaphthylene
Concen: 44.233 ng
RT: 14.576 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

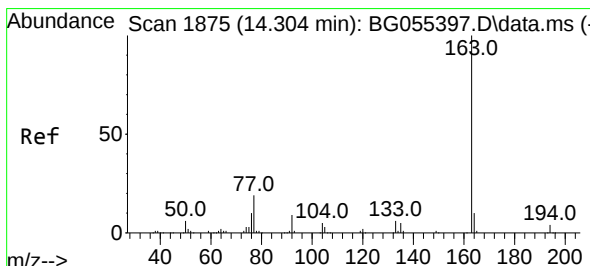
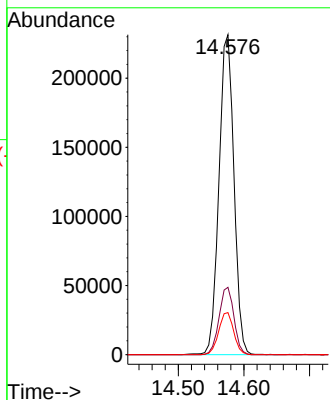
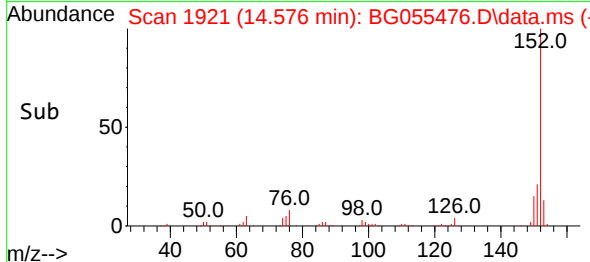
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



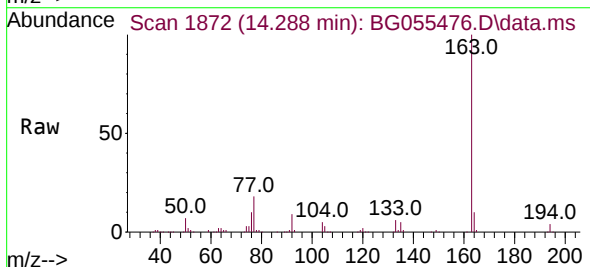
Tgt Ion:152 Resp: 367460
Ion Ratio Lower Upper
152 100
151 21.1 16.7 25.1
153 13.1 10.7 16.1

Manual Integrations
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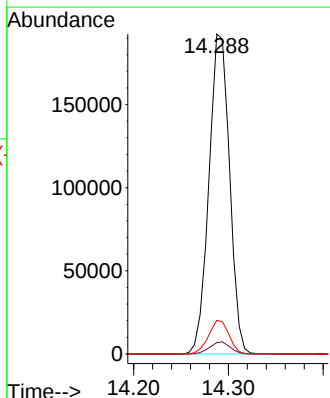
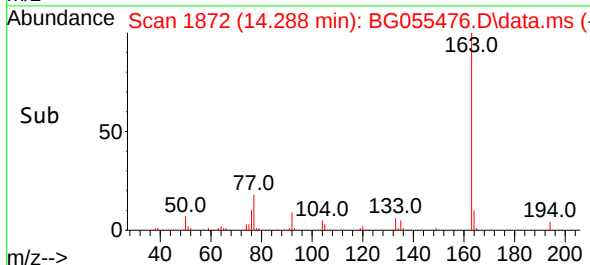
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

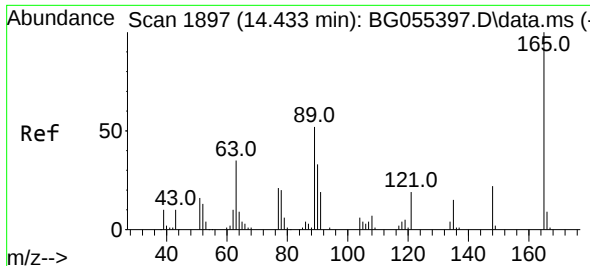


#50
Dimethylphthalate
Concen: 40.757 ng
RT: 14.288 min Scan# 1872
Delta R.T. -0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56



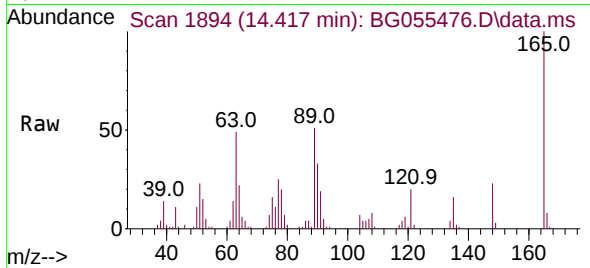
Tgt Ion:163 Resp: 291101
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 10.5 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 42.822 ng
RT: 14.417 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

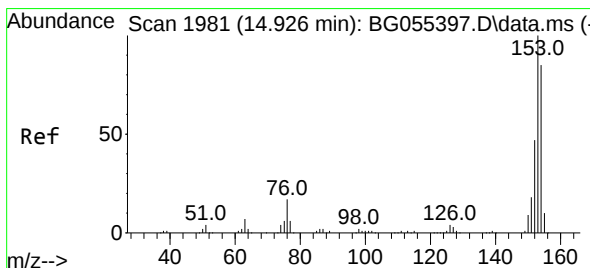
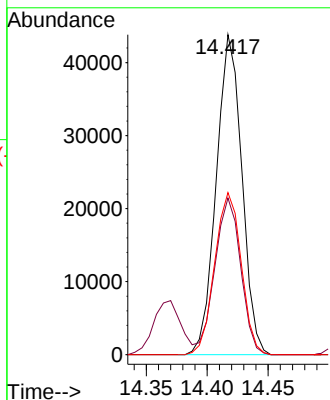
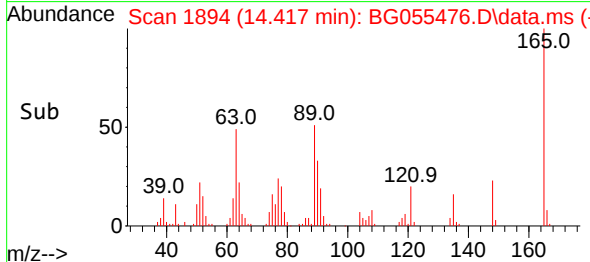
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



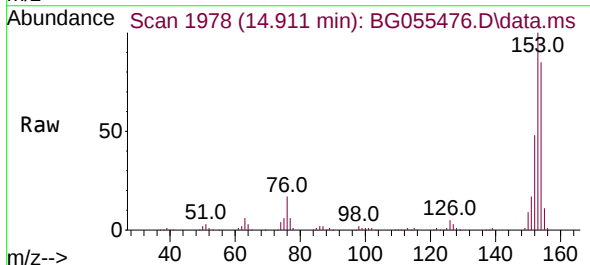
Tgt Ion:165 Resp: 64030
Ion Ratio Lower Upper
165 100
63 48.9 38.2 57.4
89 50.6 41.8 62.6

Manual Integrations
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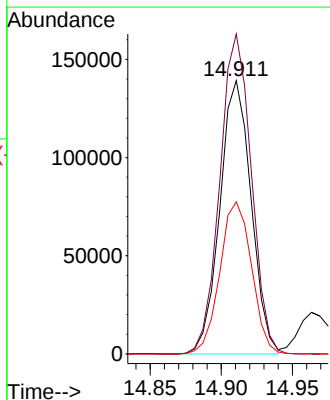
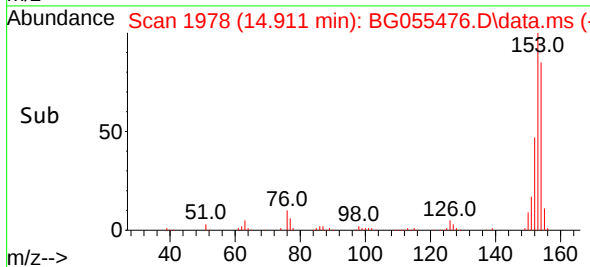
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

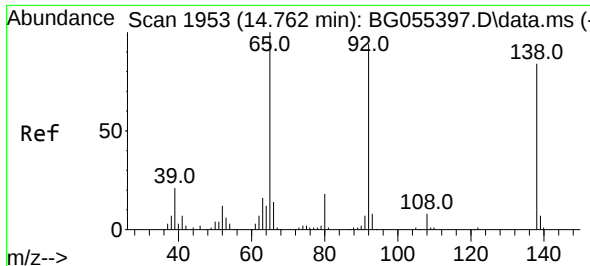


#52
Acenaphthene
Concen: 43.057 ng
RT: 14.911 min Scan# 1978
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56



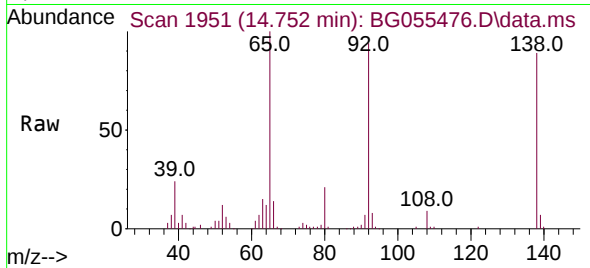
Tgt Ion:154 Resp: 212881
Ion Ratio Lower Upper
154 100
153 117.1 94.6 141.8
152 55.7 44.7 67.1





#53
3-Nitroaniline
Concen: 36.277 ng
RT: 14.752 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

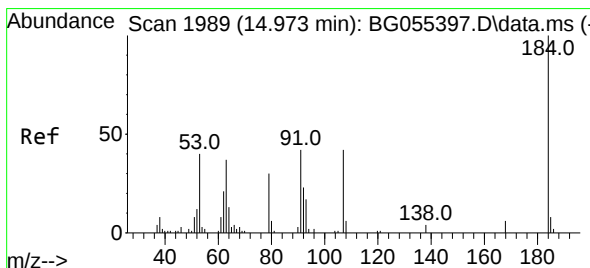
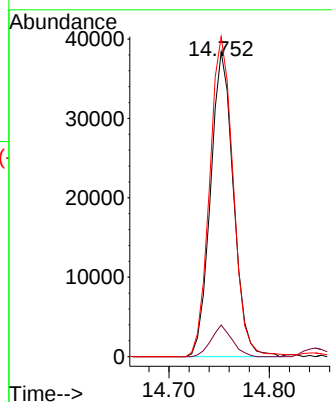
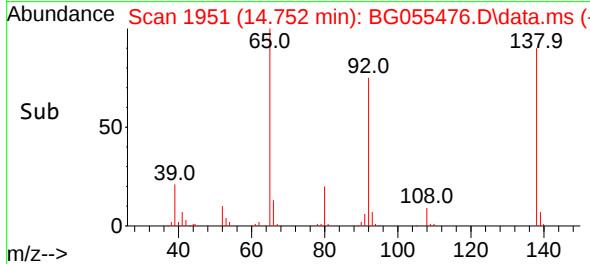
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



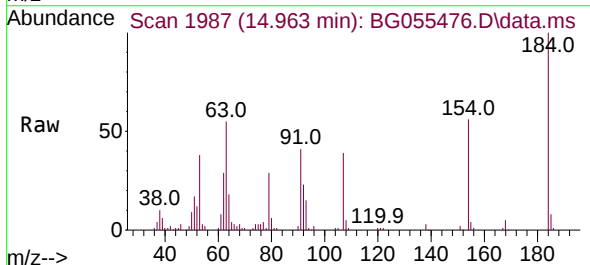
Tgt Ion:138 Resp: 60960
Ion Ratio Lower Upper
138 100
108 10.4 7.4 11.0
92 105.0 89.1 133.7

Manual Integrations
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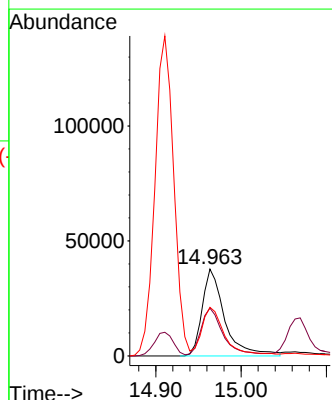
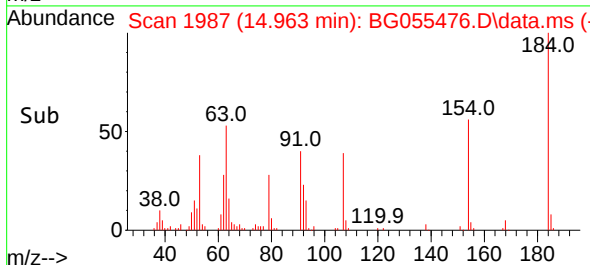
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

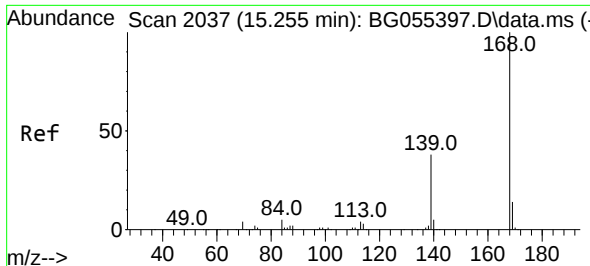


#54
2,4-Dinitrophenol
Concen: 76.815 ng
RT: 14.963 min Scan# 1987
Delta R.T. -0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56



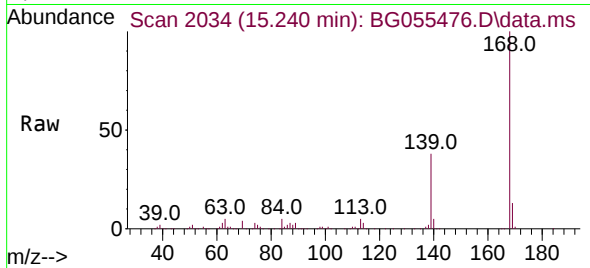
Tgt Ion:184 Resp: 69224
Ion Ratio Lower Upper
184 100
63 55.1 47.4 71.0
154 56.0 47.0 70.6





#55
Dibenzenofuran
Concen: 43.390 ng
RT: 15.240 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

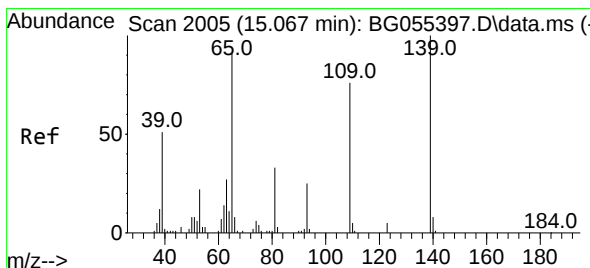
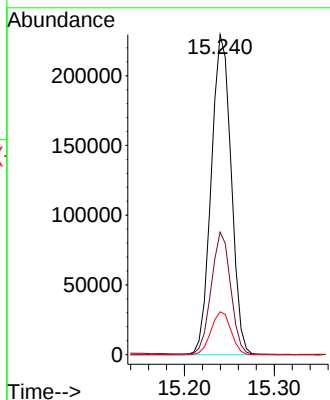
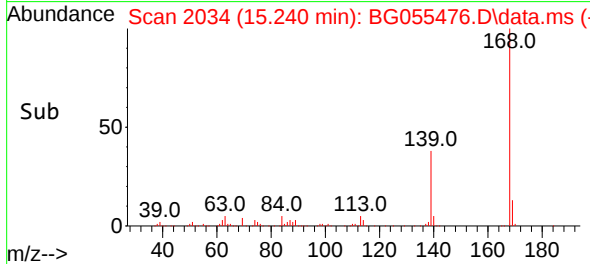
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:168 Resp: 355093
Ion Ratio Lower Upper
168 100
139 38.3 30.3 45.5
169 13.4 10.8 16.2

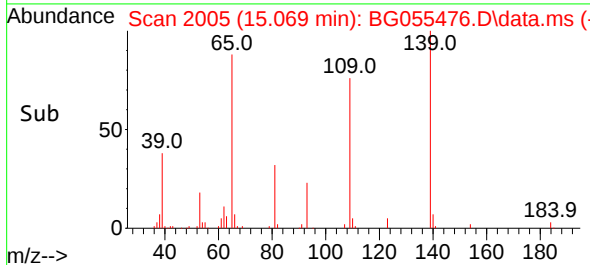
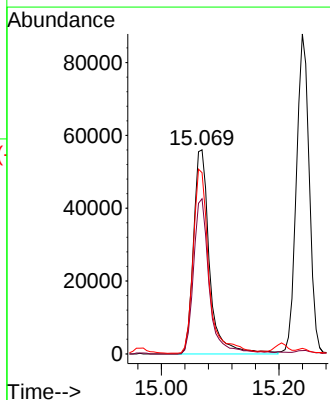
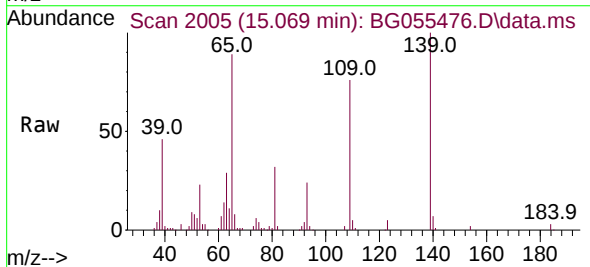
Manual Integrations
APPROVED

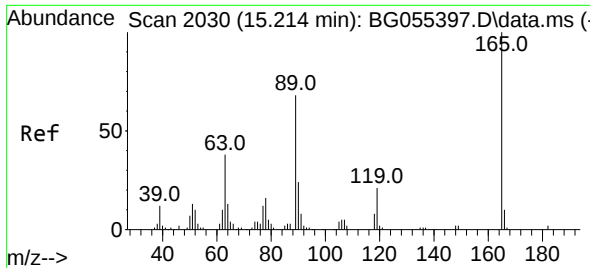
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#56
4-Nitrophenol
Concen: 92.082 ng
RT: 15.069 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

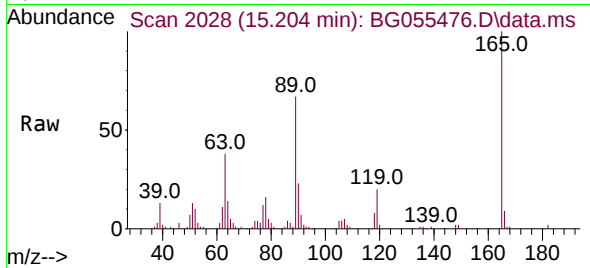
Tgt Ion:139 Resp: 106108
Ion Ratio Lower Upper
139 100
109 76.0 56.1 96.1
65 88.8 71.2 111.2





#57
2,4-Dinitrotoluene
Concen: 42.800 ng
RT: 15.204 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

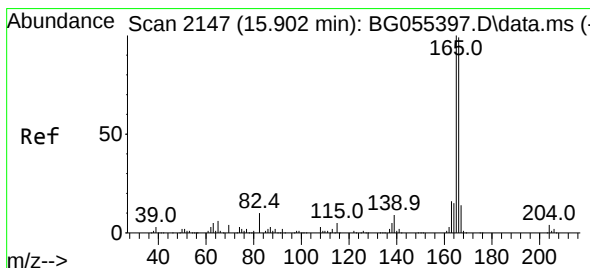
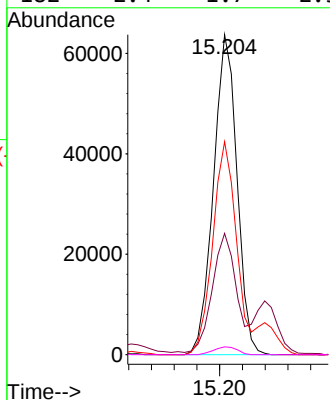
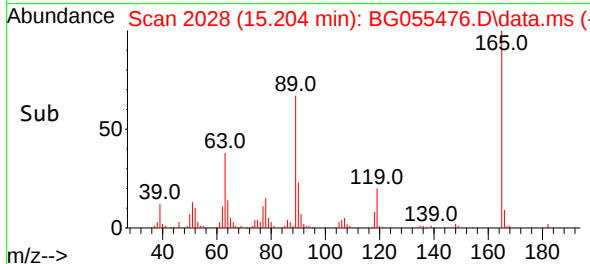
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



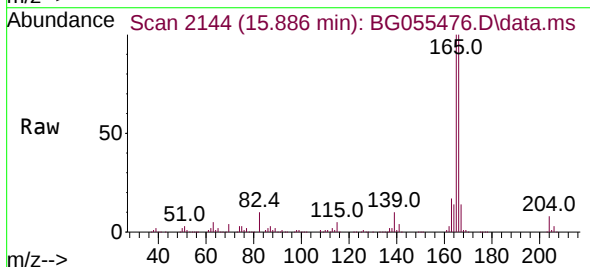
Tgt Ion:165 Resp: 91508
Ion Ratio Lower Upper
165 100
63 37.9 30.8 46.2
89 66.5 54.5 81.7
182 2.4 1.7 2.5

Manual Integrations
APPROVED

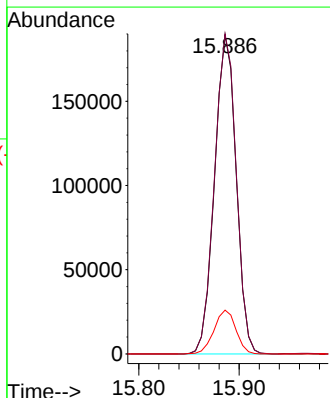
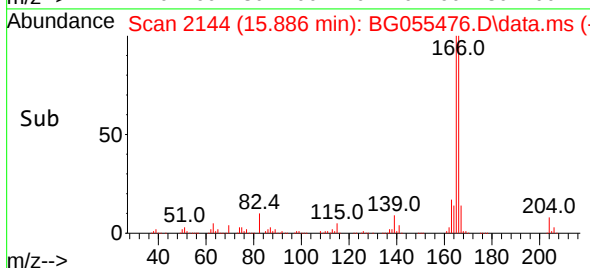
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

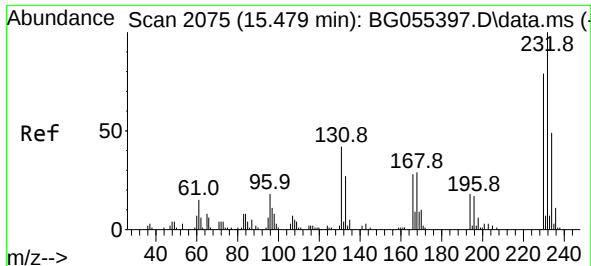


#58
Fluorene
Concen: 42.666 ng
RT: 15.886 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56



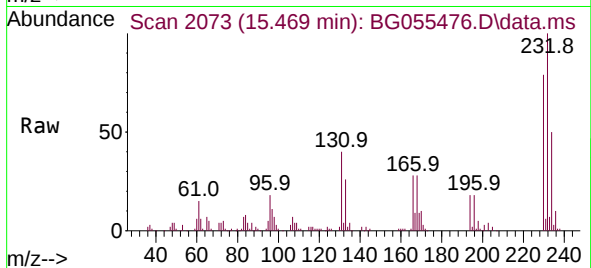
Tgt Ion:166 Resp: 283650
Ion Ratio Lower Upper
166 100
165 100.3 81.0 121.6
167 13.7 11.0 16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.007 ng
RT: 15.469 min Scan# 2073
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

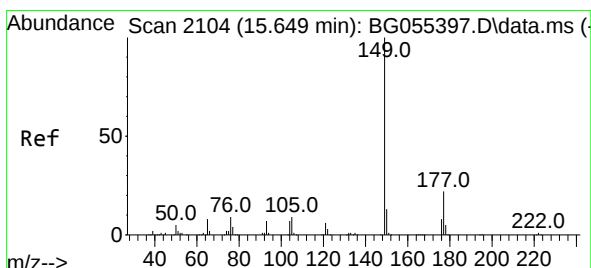
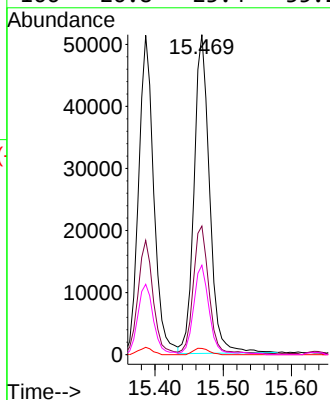
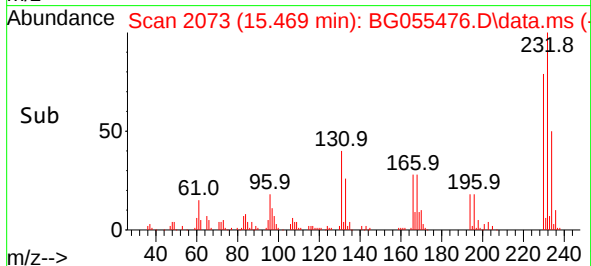
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



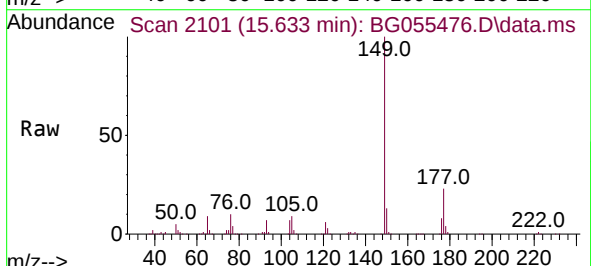
Tgt Ion:232 Resp: 81108
Ion Ratio Lower Upper
232 100
131 40.5 33.1 49.7
130 2.0 1.6 2.4
166 26.8 23.4 35.2

Manual Integrations
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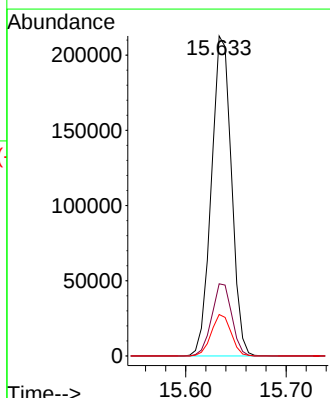
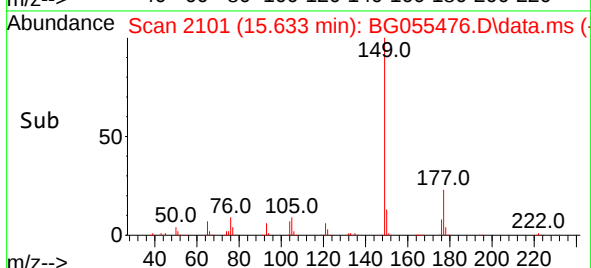
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

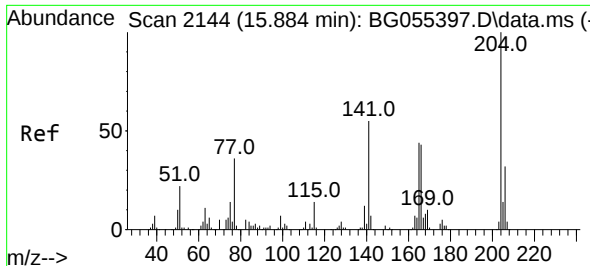


#60
Diethylphthalate
Concen: 39.804 ng
RT: 15.633 min Scan# 2101
Delta R.T. -0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56



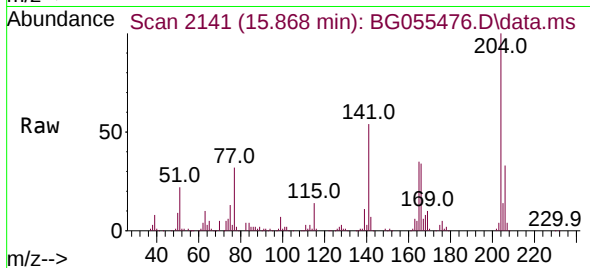
Tgt Ion:149 Resp: 295451
Ion Ratio Lower Upper
149 100
177 22.5 17.7 26.5
150 12.9 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 44.020 ng
RT: 15.868 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

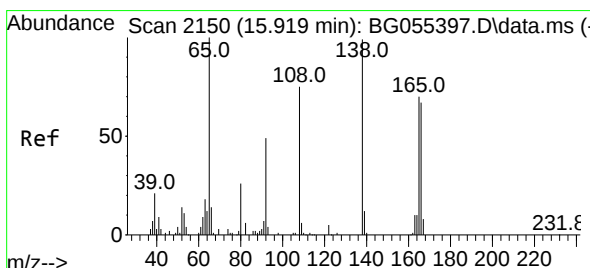
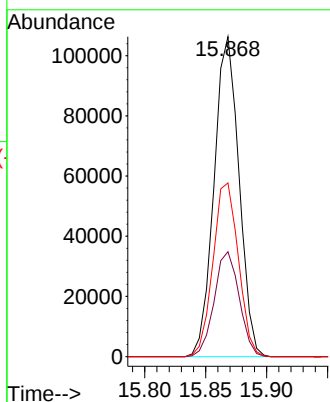
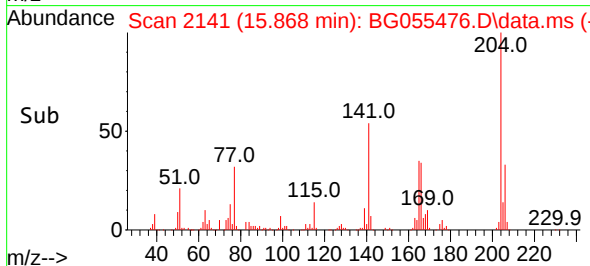
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:204 Resp: 151301
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 54.3 44.0 66.0

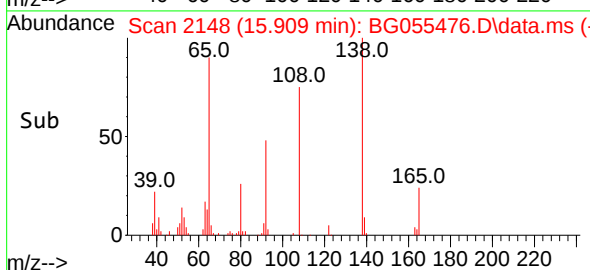
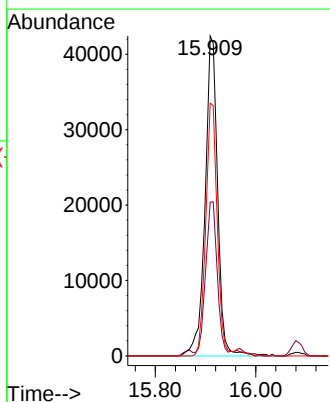
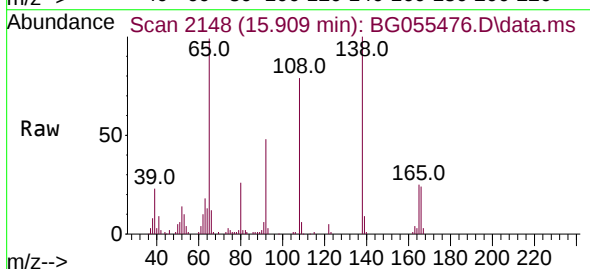
Manual Integrations
APPROVED

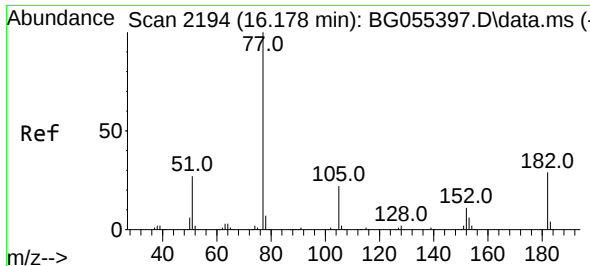
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#62
4-Nitroaniline
Concen: 41.420 ng
RT: 15.909 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

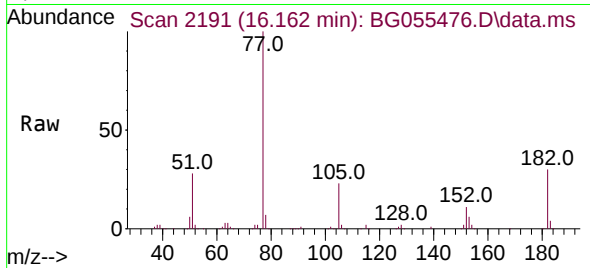
Tgt Ion:138 Resp: 73647
Ion Ratio Lower Upper
138 100
92 48.0 29.2 69.2
108 79.0 55.9 95.9





#63
Azobenzene
Concen: 40.551 ng
RT: 16.162 min Scan# 2191
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

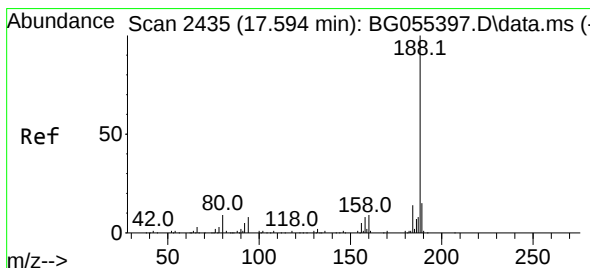
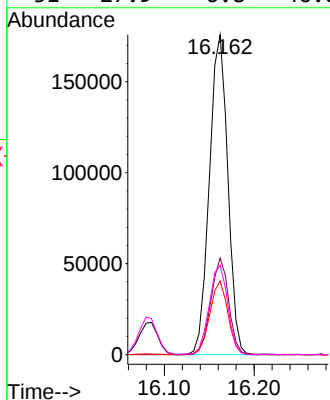
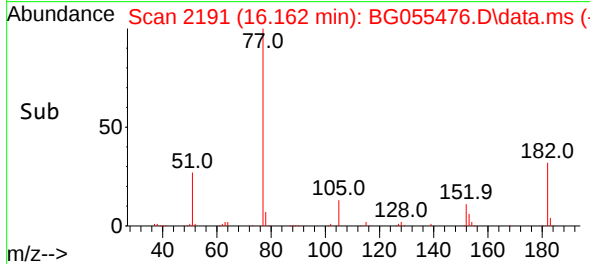
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



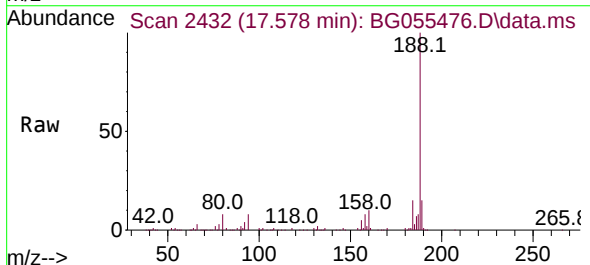
Tgt Ion: 77 Resp: 250202
Ion Ratio Lower Upper
77 100
182 30.2 9.0 49.0
105 23.0 2.2 42.2
51 27.9 6.8 46.8

Manual Integrations
APPROVED

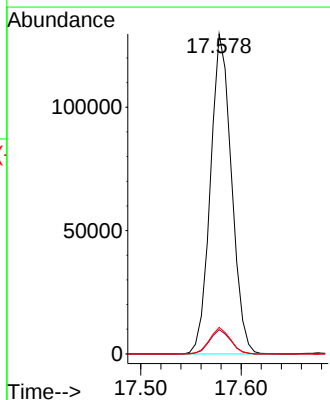
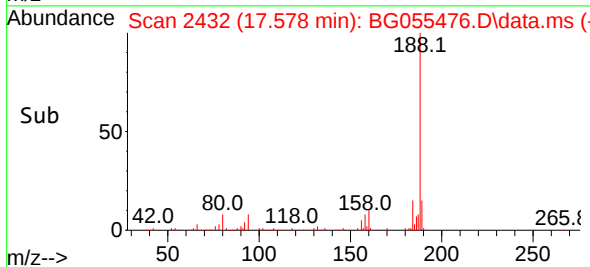
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

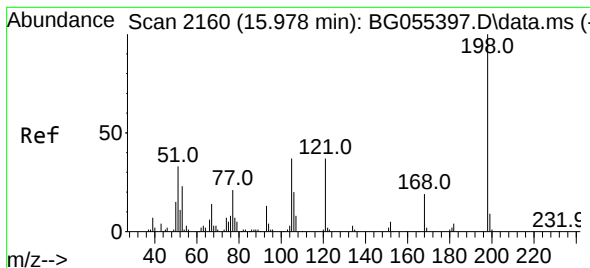


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56



Tgt Ion:188 Resp: 189370
Ion Ratio Lower Upper
188 100
94 7.6 6.5 9.7
80 8.3 7.4 11.0





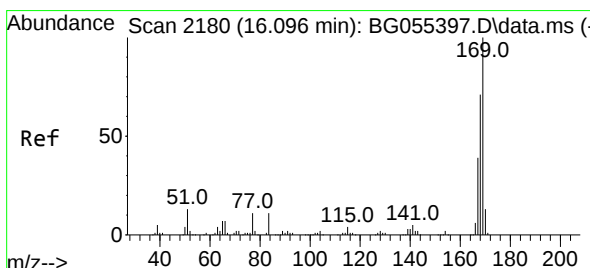
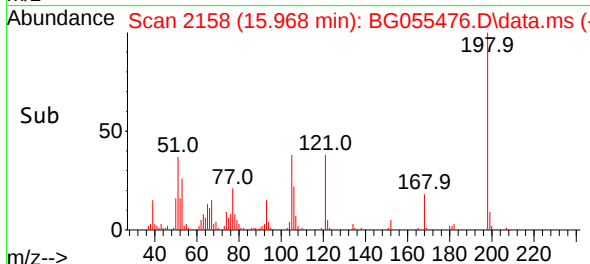
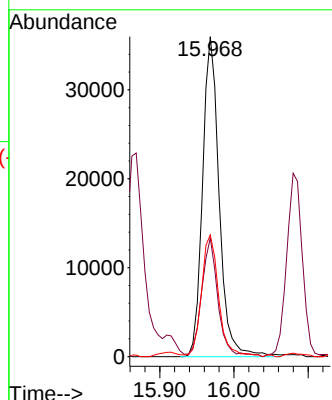
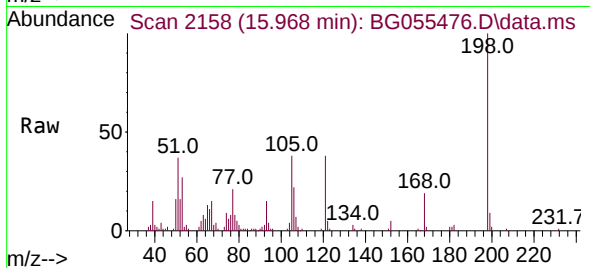
#65
4,6-Dinitro-2-methylphenol
Concen: 45.921 ng
RT: 15.968 min Scan# 2160
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD

Tgt Ion:198 Resp: 56015
Ion Ratio Lower Upper
198 100
51 37.1 14.8 54.8
105 38.0 17.6 57.6

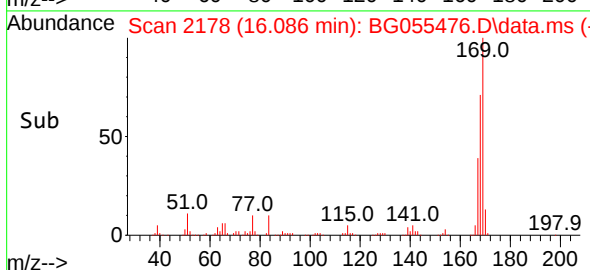
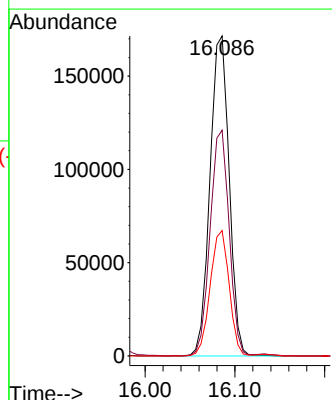
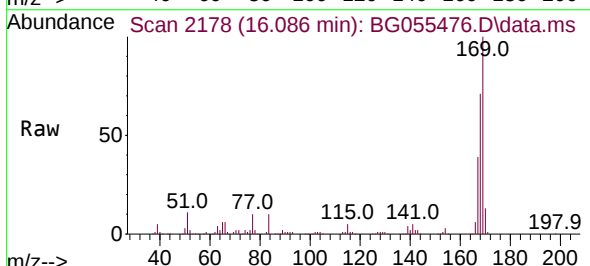
Manual Integrations
APPROVED

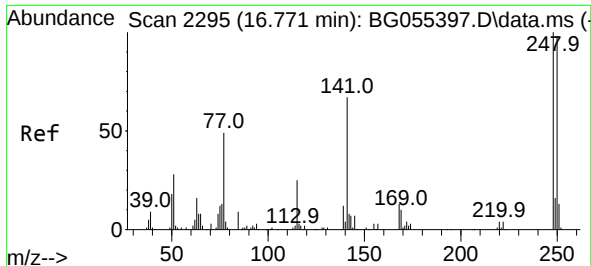
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#66
n-Nitrosodiphenylamine
Concen: 45.181 ng
RT: 16.086 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

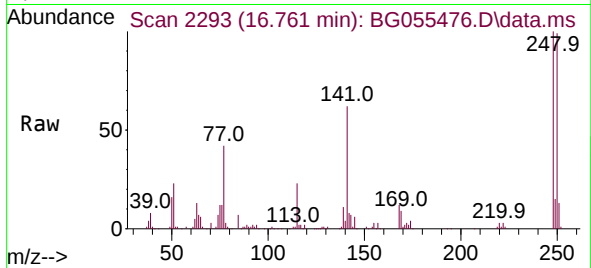
Tgt Ion:169 Resp: 254372
Ion Ratio Lower Upper
169 100
168 70.5 57.0 85.4
167 39.2 31.0 46.6





#67
4-Bromophenyl-phenylether
Concen: 45.833 ng
RT: 16.761 min Scan# 211
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

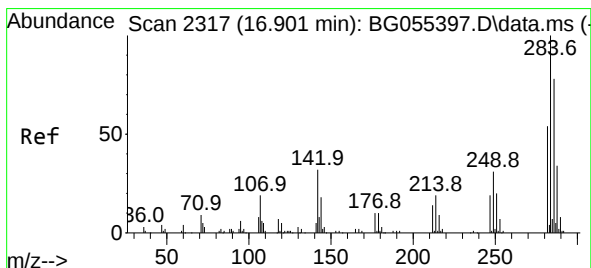
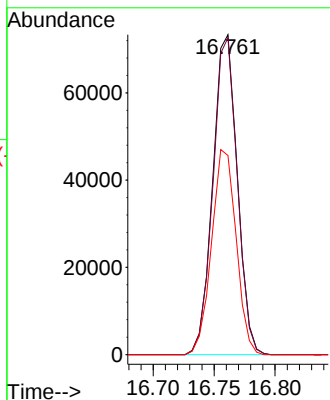
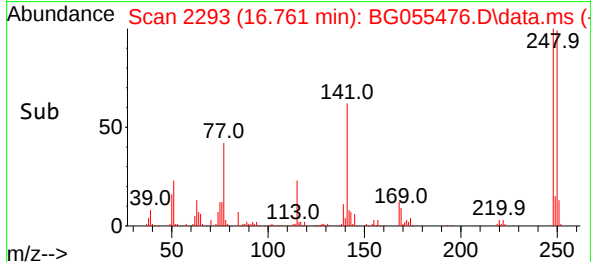
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



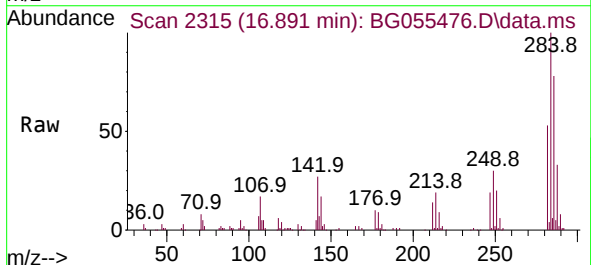
Tgt Ion:248 Resp: 102600
Ion Ratio Lower Upper
248 100
250 99.0 78.3 117.5
141 62.2 53.7 80.5

Manual Integrations
APPROVED

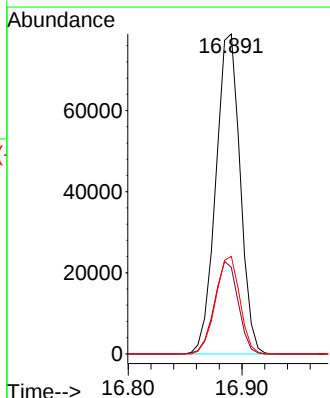
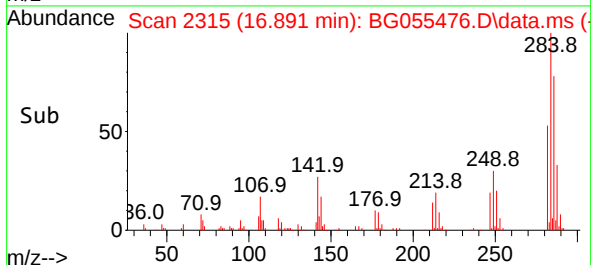
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022

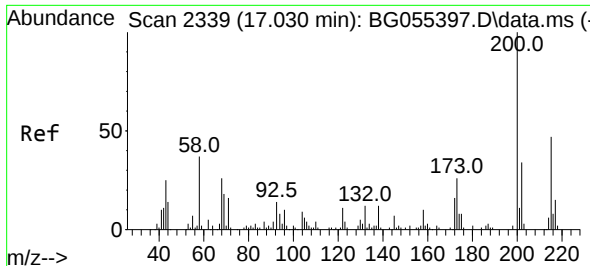


#68
Hexachlorobenzene
Concen: 45.835 ng
RT: 16.891 min Scan# 2315
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56



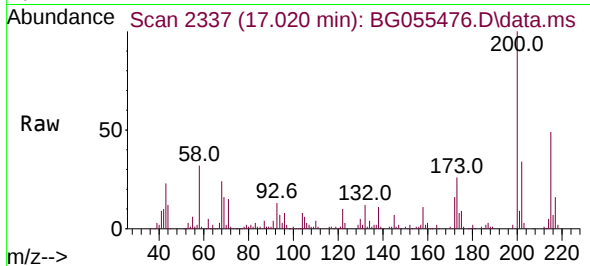
Tgt Ion:284 Resp: 117008
Ion Ratio Lower Upper
284 100
142 27.0 25.4 38.2
249 30.5 24.9 37.3





#69
 Atrazine
 Concen: 52.981 ng
 RT: 17.020 min Scan# 2337
 Delta R.T. 0.000 min
 Lab File: BG055476.D
 Acq: 5 Nov 2022 18:56

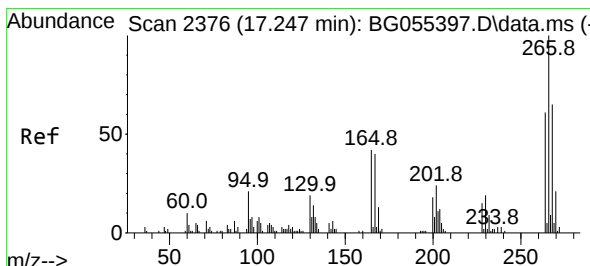
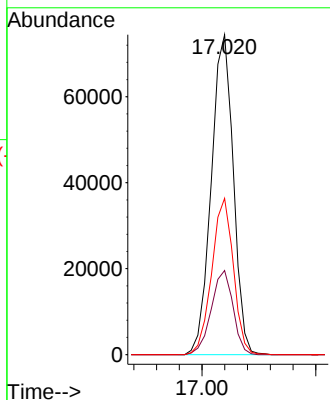
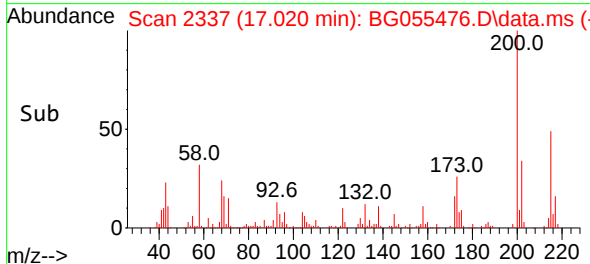
Instrument :
 BNA_G
 ClientSampleId :
 LFR-SOIL-1103MSD



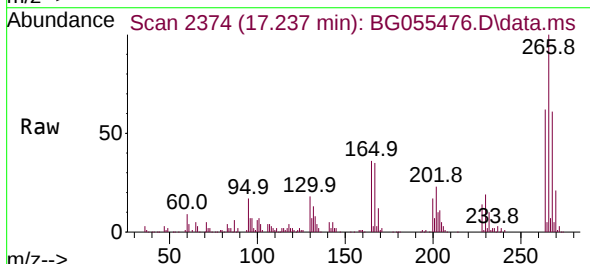
Tgt Ion:200 Resp: 100142
 Ion Ratio Lower Upper
 200 100
 173 26.3 5.8 45.8
 215 48.8 27.4 67.4

Manual Integrations
 APPROVED

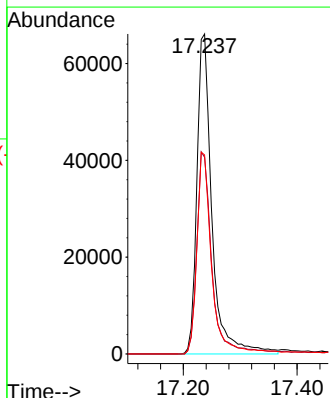
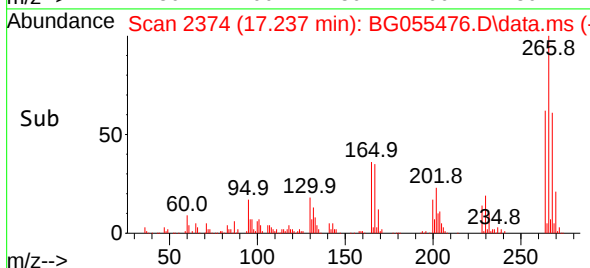
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :Jagrut Upadhyay 11/07/2022

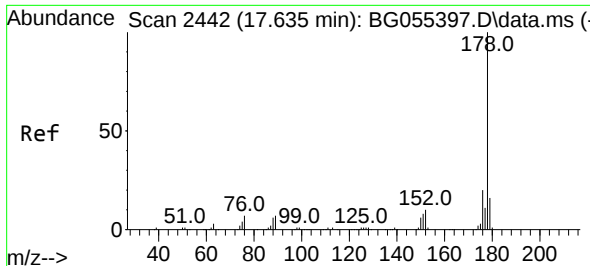


#70
 Pentachlorophenol
 Concen: 90.810 ng
 RT: 17.237 min Scan# 2374
 Delta R.T. 0.000 min
 Lab File: BG055476.D
 Acq: 5 Nov 2022 18:56



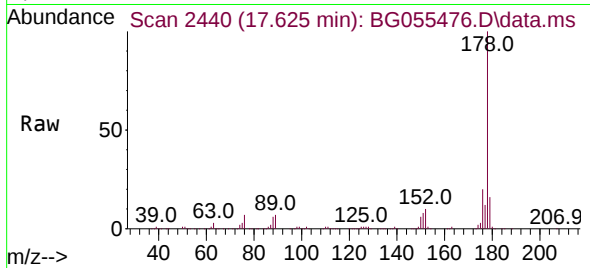
Tgt Ion:266 Resp: 120944
 Ion Ratio Lower Upper
 266 100
 268 61.4 52.2 78.4
 264 62.2 49.2 73.8





#71
Phenanthrene
Concen: 43.561 ng
RT: 17.625 min Scan# 2442
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

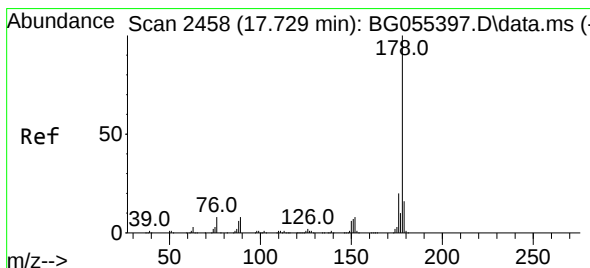
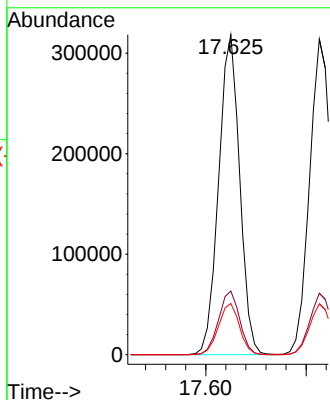
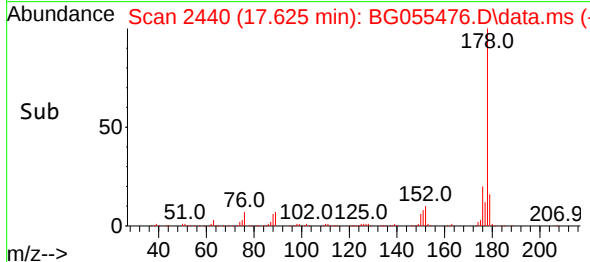
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:178 Resp: 464010
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 16.0 12.7 19.1

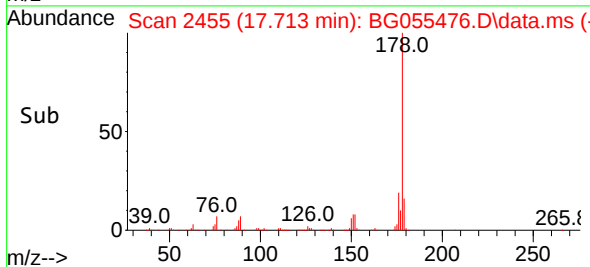
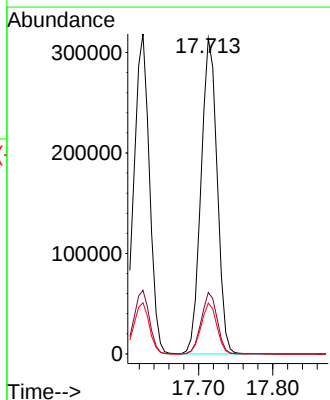
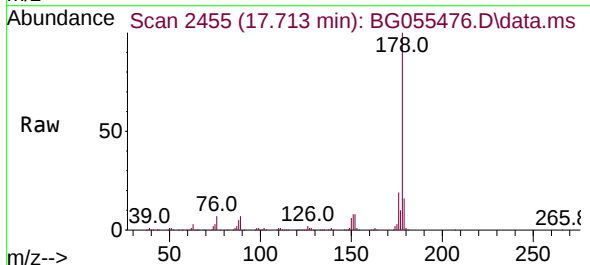
Manual Integrations
APPROVED

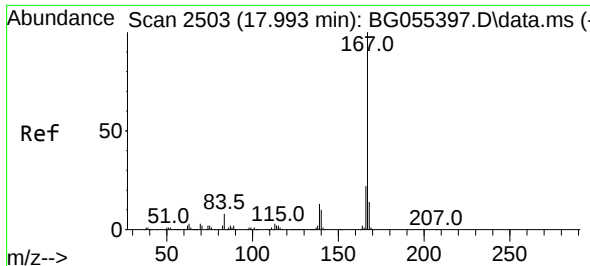
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#72
Anthracene
Concen: 45.388 ng
RT: 17.713 min Scan# 2455
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

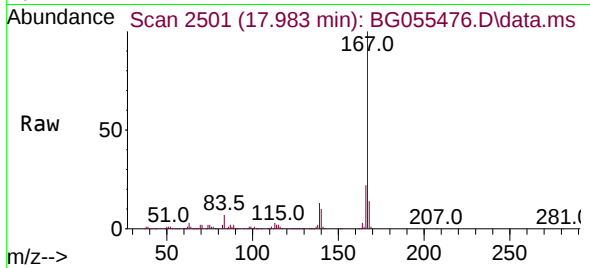
Tgt Ion:178 Resp: 473885
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 16.1 13.0 19.6





#73
 Carbazole
 Concen: 46.030 ng
 RT: 17.983 min Scan# 2501
 Delta R.T. 0.000 min
 Lab File: BG055476.D
 Acq: 5 Nov 2022 18:56

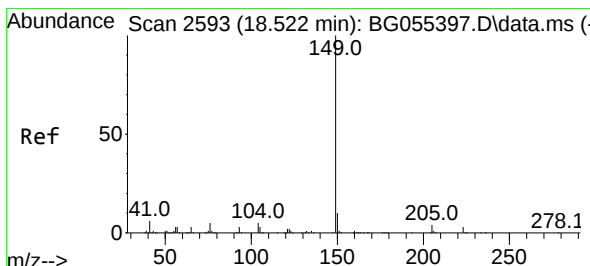
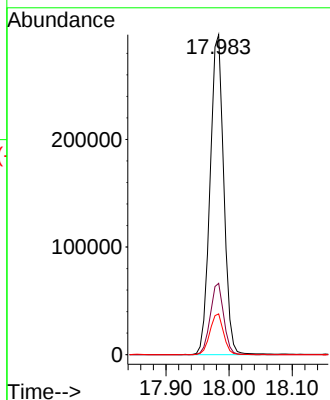
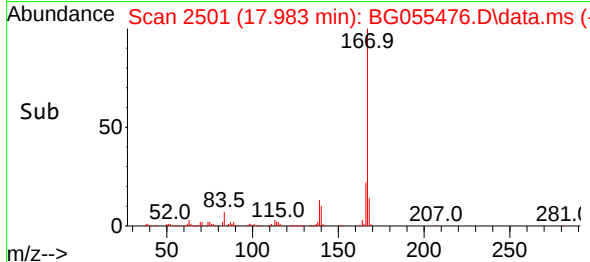
Instrument :
 BNA_G
 ClientSampleId :
 LFR-SOIL-1103MSD



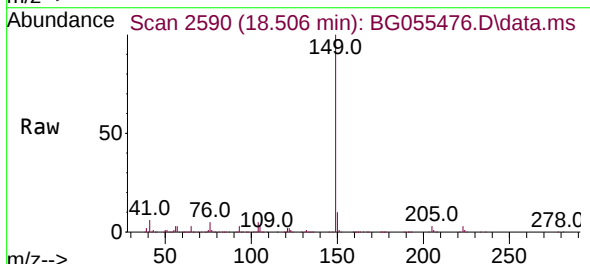
Tgt Ion:167 Resp: 447123
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.9 26.9
 139 12.7 10.4 15.6

Manual Integrations
 APPROVED

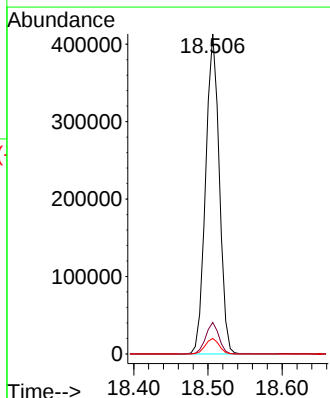
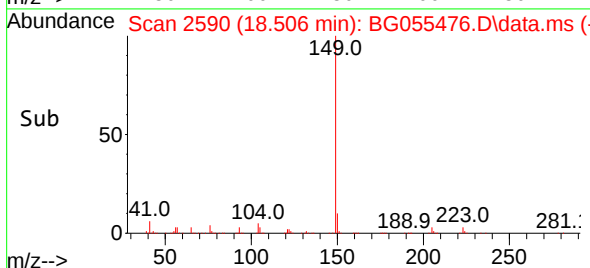
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :Jagrut Upadhyay 11/07/2022

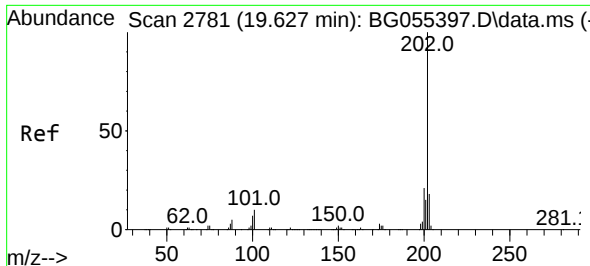


#74
 Di-n-butylphthalate
 Concen: 43.496 ng
 RT: 18.506 min Scan# 2590
 Delta R.T. 0.000 min
 Lab File: BG055476.D
 Acq: 5 Nov 2022 18:56



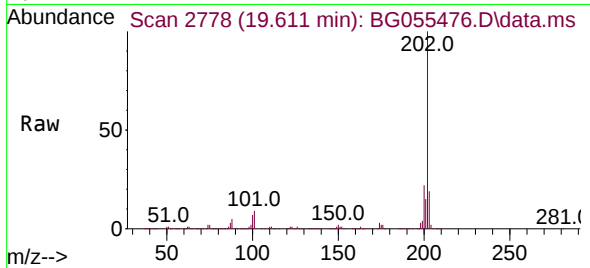
Tgt Ion:149 Resp: 527700
 Ion Ratio Lower Upper
 149 100
 150 9.8 7.6 11.4
 104 4.8 3.9 5.9





#75
Fluoranthene
Concen: 44.054 ng
RT: 19.611 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

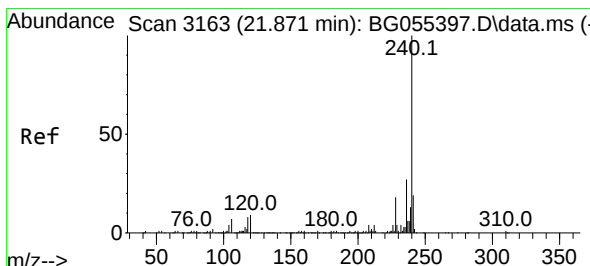
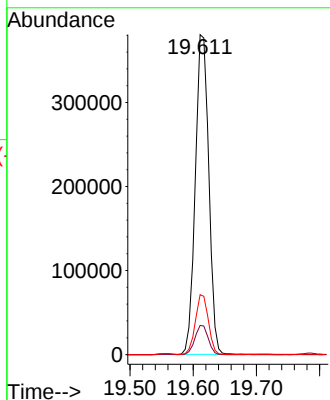
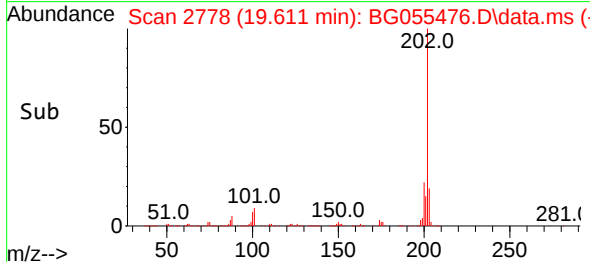
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:202 Resp: 564446
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.8
203 18.7 0.0 38.1

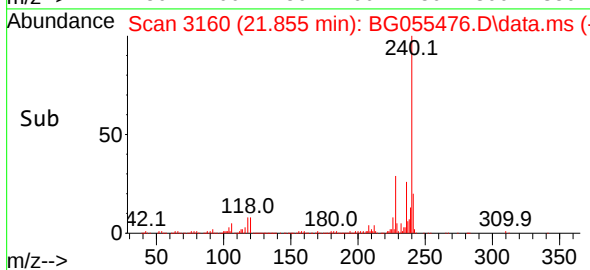
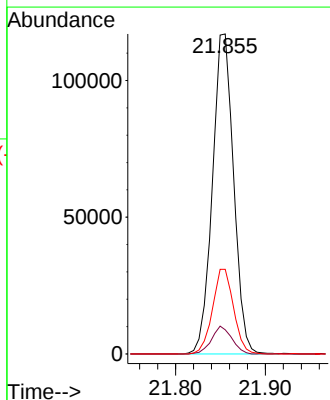
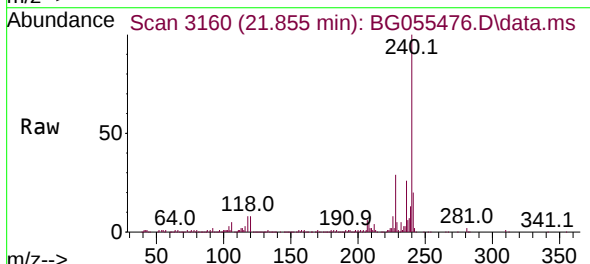
Manual Integrations
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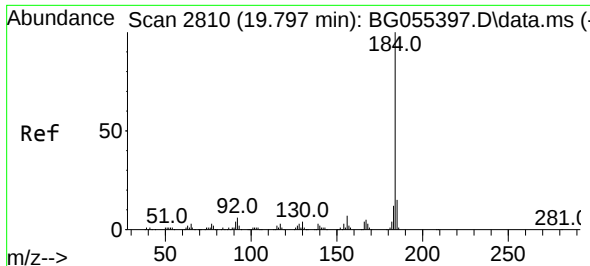
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.855 min Scan# 3160
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Tgt Ion:240 Resp: 193016
Ion Ratio Lower Upper
240 100
120 7.5 6.9 10.3
236 26.4 21.5 32.3





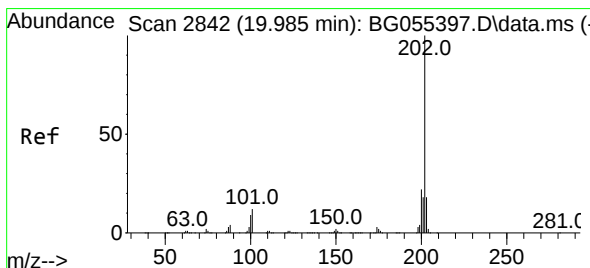
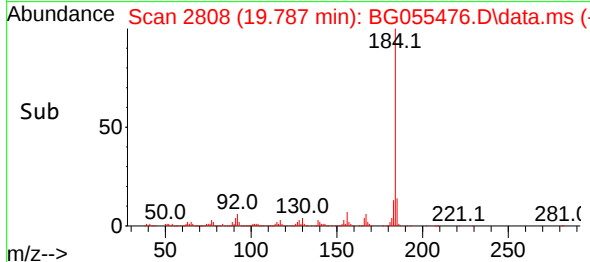
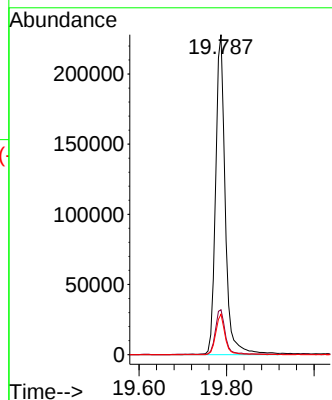
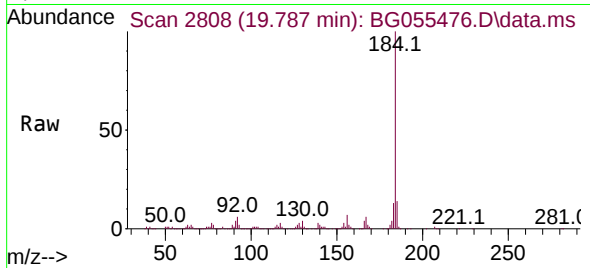
#77
Benzidine
Concen: 87.185 ng
RT: 19.787 min Scan# 2808
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD

Tgt Ion:184 Resp: 350350
Ion Ratio Lower Upper
184 100
185 14.0 11.7 17.5
183 12.6 9.8 14.8

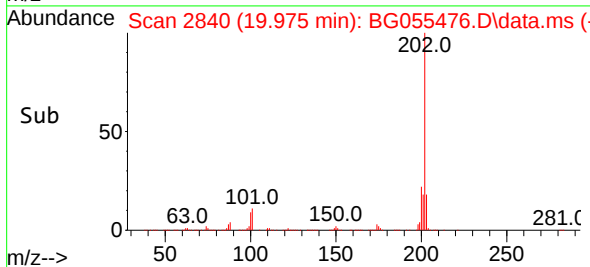
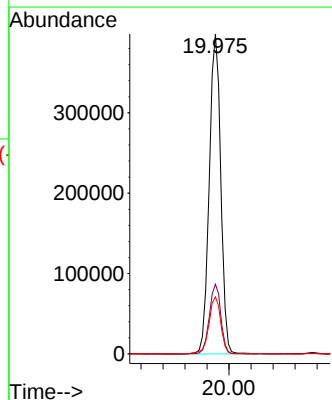
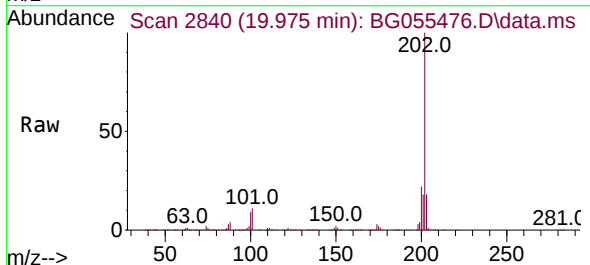
Manual Integrations
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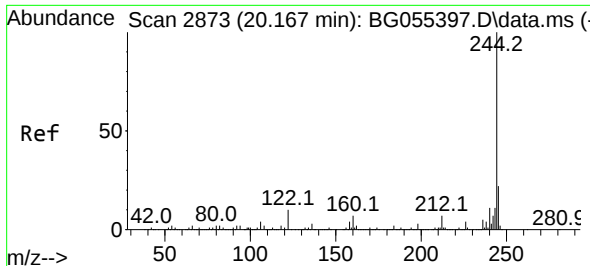
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#78
Pyrene
Concen: 42.476 ng
RT: 19.975 min Scan# 2840
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

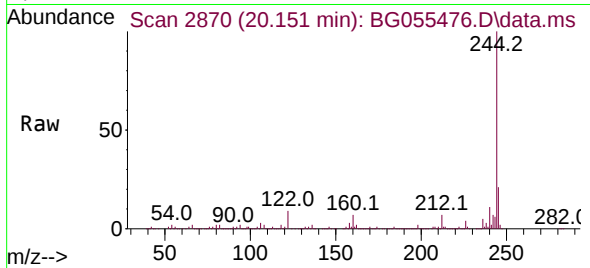
Tgt Ion:202 Resp: 578366
Ion Ratio Lower Upper
202 100
200 21.8 17.4 26.2
203 17.8 14.7 22.1





#79
 Terphenyl-d14
 Concen: 52.361 ng
 RT: 20.151 min Scan# 2873
 Delta R.T. -0.006 min
 Lab File: BG055476.D
 Acq: 5 Nov 2022 18:56

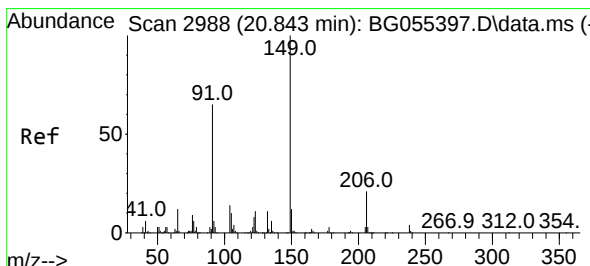
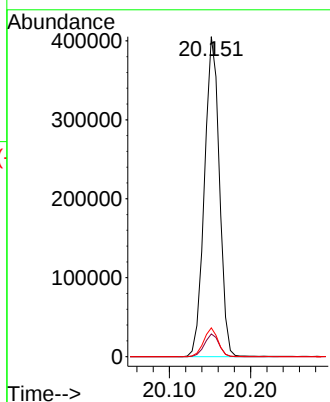
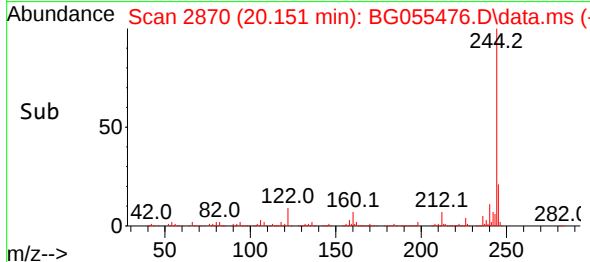
Instrument :
 BNA_G
 ClientSampleId :
 LFR-SOIL-1103MSD



Tgt Ion:244 Resp: 519735
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 9.0 7.8 11.6

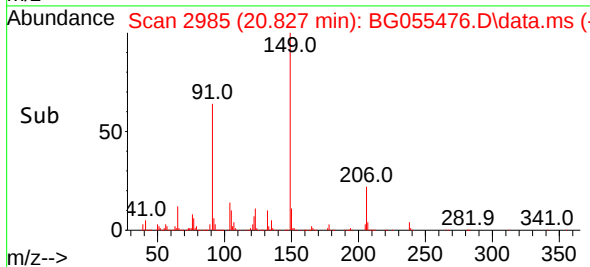
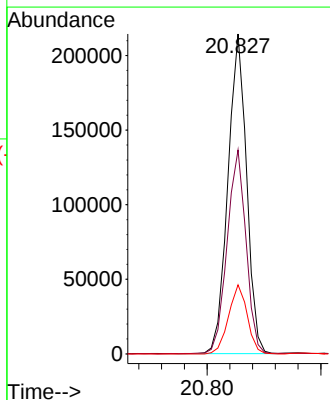
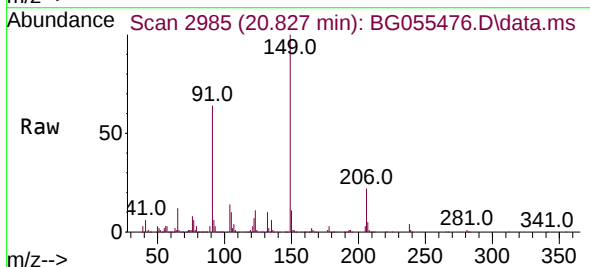
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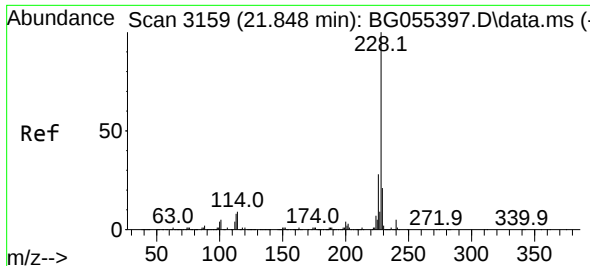
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :Jagrut Upadhyay 11/07/2022



#80
 Butylbenzylphthalate
 Concen: 43.012 ng
 RT: 20.827 min Scan# 2985
 Delta R.T. 0.000 min
 Lab File: BG055476.D
 Acq: 5 Nov 2022 18:56

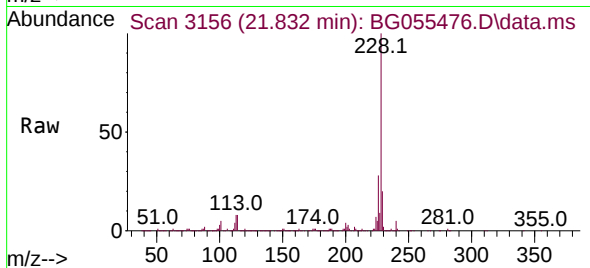
Tgt Ion:149 Resp: 244176
 Ion Ratio Lower Upper
 149 100
 91 63.7 52.4 78.6
 206 21.6 17.2 25.8





#81
Benzo(a)anthracene
Concen: 43.394 ng
RT: 21.832 min Scan# 3159
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

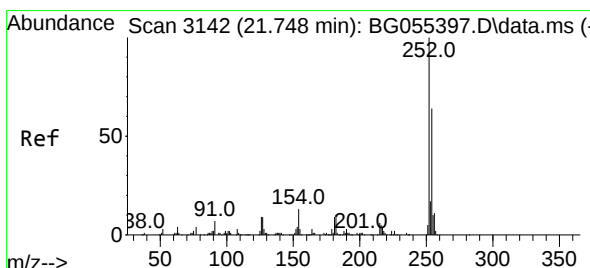
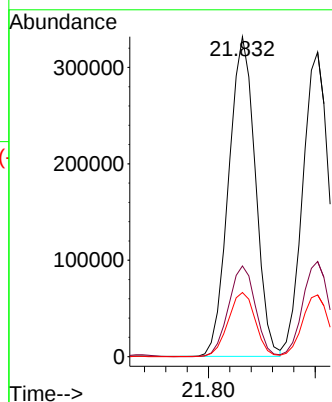
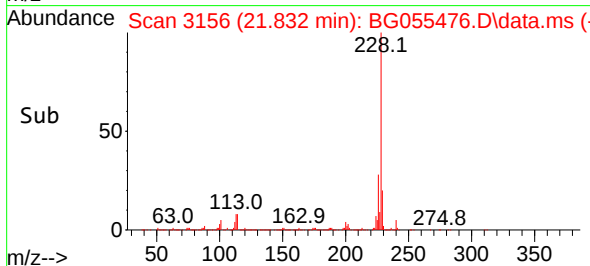
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:228 Resp: 574961
Ion Ratio Lower Upper
228 100
226 28.3 22.6 33.8
229 20.0 16.5 24.7

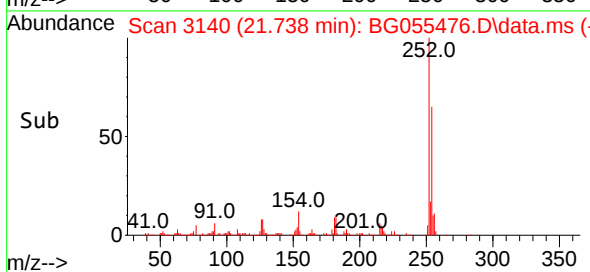
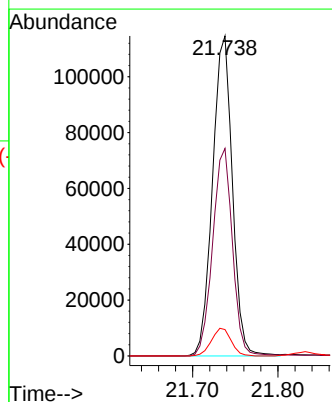
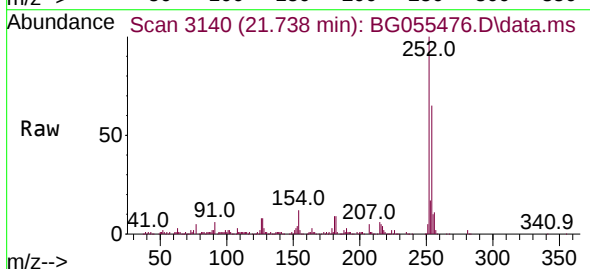
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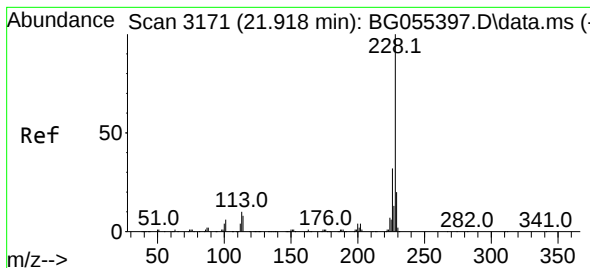
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#82
3,3'-Dichlorobenzidine
Concen: 40.753 ng
RT: 21.738 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Tgt Ion:252 Resp: 185168
Ion Ratio Lower Upper
252 100
254 64.8 51.0 76.6
126 8.2 7.3 10.9





#83

Chrysene

Concen: 42.835 ng

RT: 21.902 min Scan# 3168

Delta R.T. 0.000 min

Lab File: BG055476.D

Acq: 5 Nov 2022 18:56

Instrument :

BNA_G

ClientSampleId :

LFR-SOIL-1103MSD

Tgt Ion:228 Resp: 541469

Ion Ratio Lower Upper

228 100

226 31.2 25.2 37.8

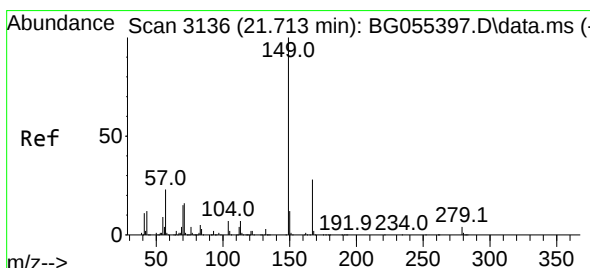
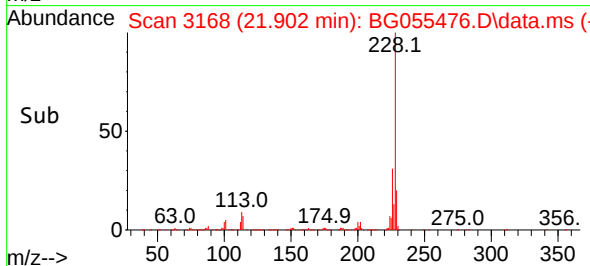
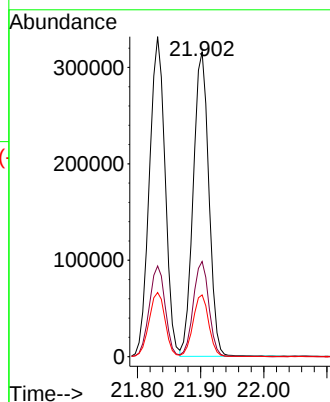
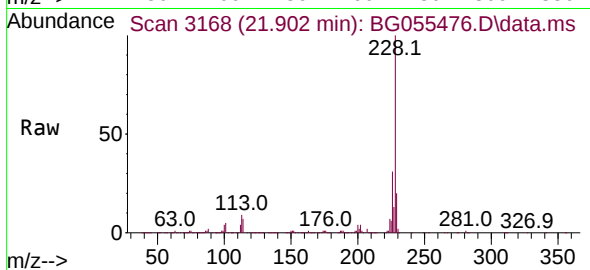
229 20.3 16.2 24.2

Manual Integrations

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Reviewed By :Christian Giraldo 11/07/2022

Supervised By :Jagrut Upadhyay 11/07/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.505 ng

RT: 21.691 min Scan# 3132

Delta R.T. 0.000 min

Lab File: BG055476.D

Acq: 5 Nov 2022 18:56

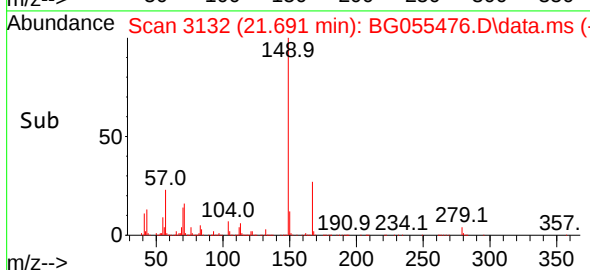
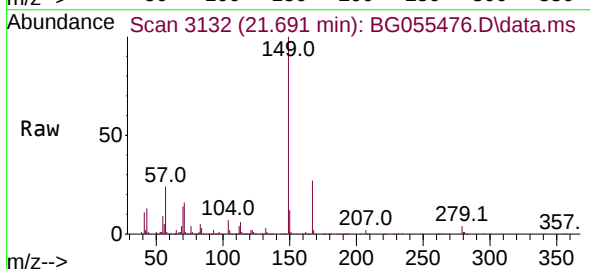
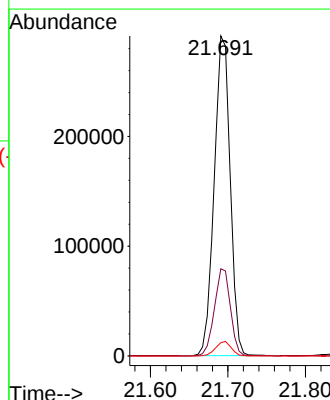
Tgt Ion:149 Resp: 416772

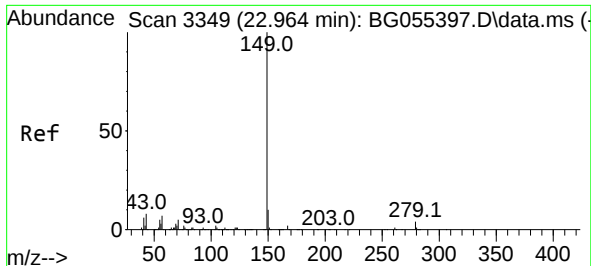
Ion Ratio Lower Upper

149 100

167 27.2 22.0 33.0

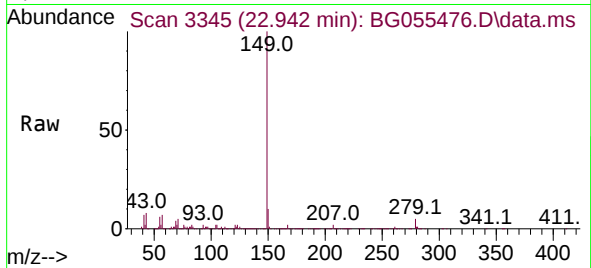
279 4.1 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 42.814 ng
RT: 22.942 min Scan# 3349
Delta R.T. 0.000 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

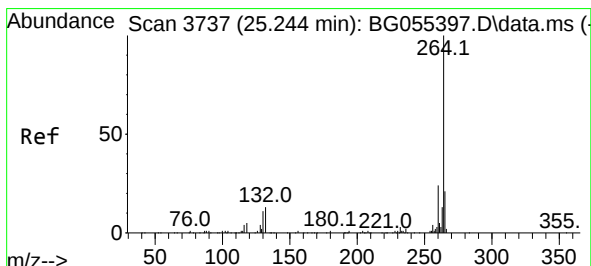
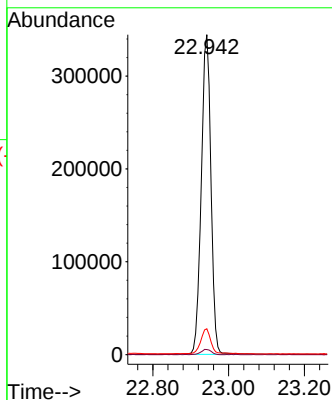
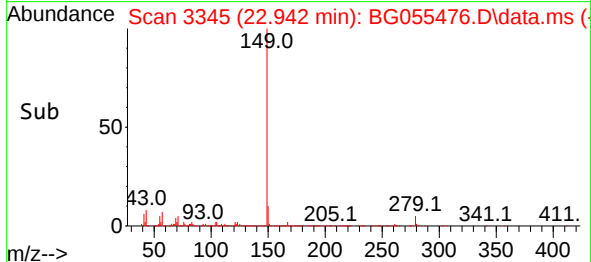
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:149 Resp: 605352
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 7.9 6.3 9.5

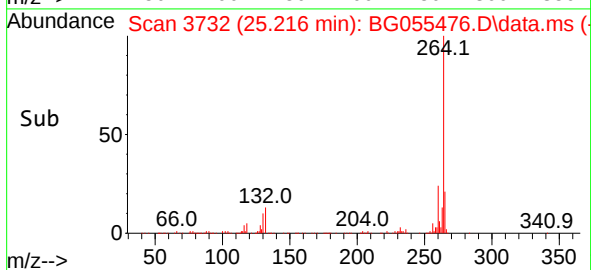
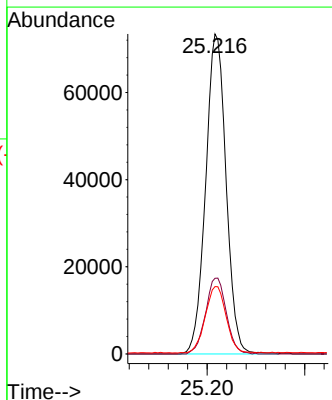
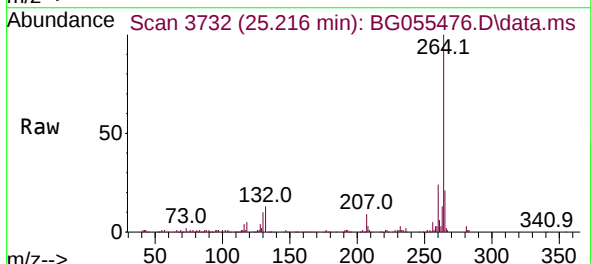
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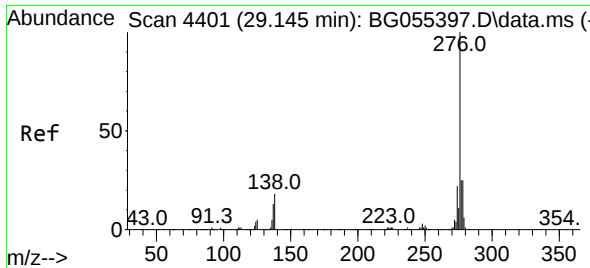
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.216 min Scan# 3732
Delta R.T. -0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

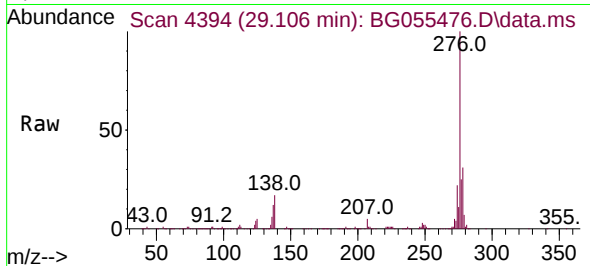
Tgt Ion:264 Resp: 213685
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 21.1 17.1 25.7





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 43.084 ng
 RT: 29.106 min Scan# 4394
 Delta R.T. -0.006 min
 Lab File: BG055476.D
 Acq: 5 Nov 2022 18:56

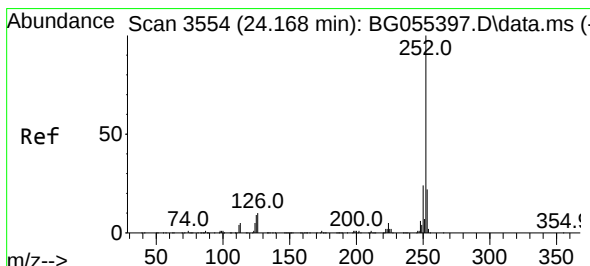
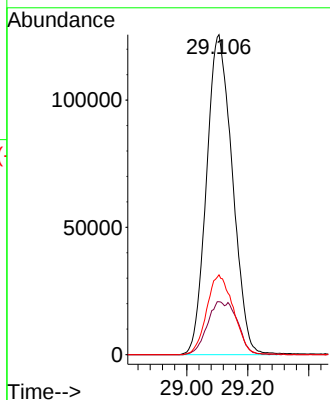
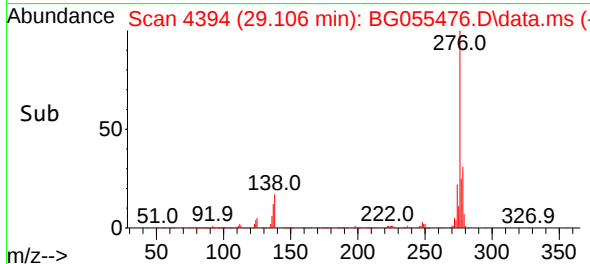
Instrument :
 BNA_G
 ClientSampleId :
 LFR-SOIL-1103MSD



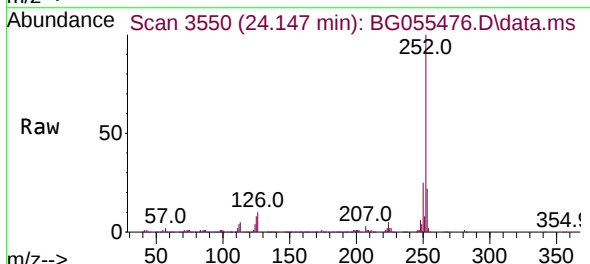
Tgt Ion:276 Resp: 739169
 Ion Ratio Lower Upper
 276 100
 138 11.0 16.2 24.2
 277 25.7 20.5 30.7

Manual Integrations
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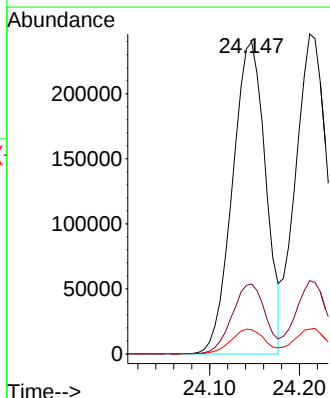
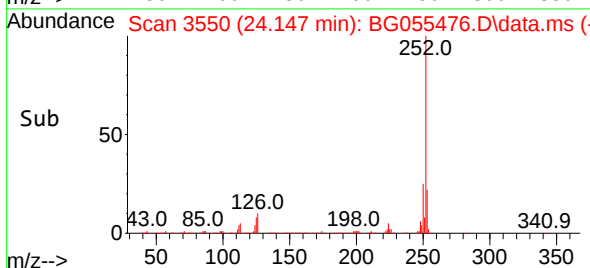
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :Jagrut Upadhyay 11/07/2022

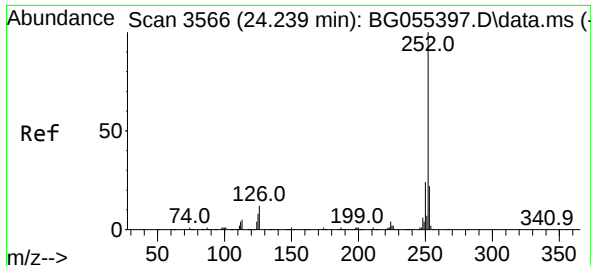


#88
 Benzo(b)fluoranthene
 Concen: 45.436 ng
 RT: 24.147 min Scan# 3550
 Delta R.T. 0.000 min
 Lab File: BG055476.D
 Acq: 5 Nov 2022 18:56



Tgt Ion:252 Resp: 616715
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.8 26.8
 125 7.8 6.8 10.2





#89

Benzo(k)fluoranthene

Concen: 44.534 ng

RT: 24.211 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG055476.D

Acq: 5 Nov 2022 18:56

Instrument :

BNA_G

ClientSampleId :

LFR-SOIL-1103MSD

Tgt Ion:252 Resp: 60744

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

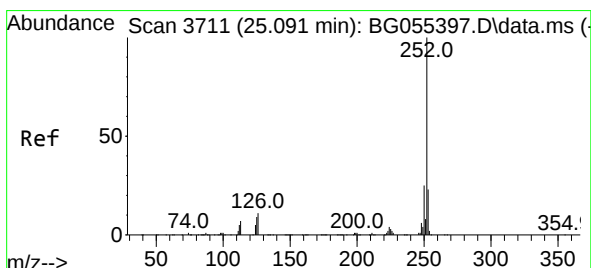
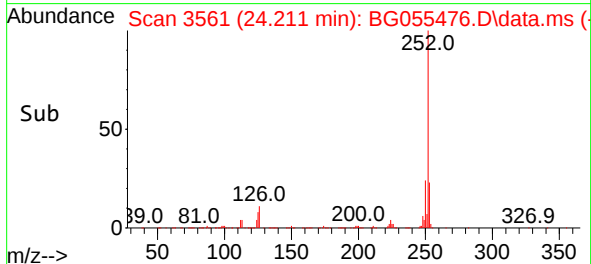
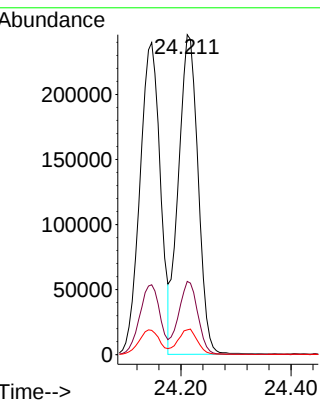
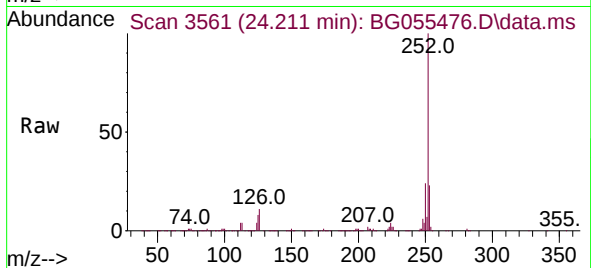
125 7.7 6.9 10.3

Manual Integrations

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Reviewed By :Christian Giraldo 11/07/2022

Supervised By :Jagrut Upadhyay 11/07/2022



#90

Benzo(a)pyrene

Concen: 47.081 ng

RT: 25.063 min Scan# 3706

Delta R.T. 0.000 min

Lab File: BG055476.D

Acq: 5 Nov 2022 18:56

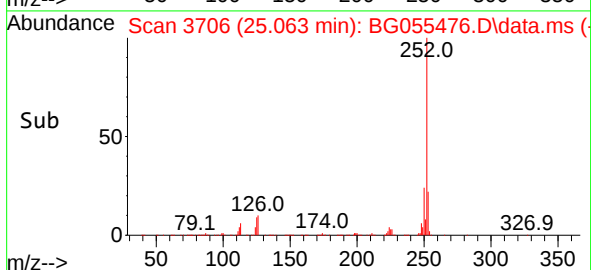
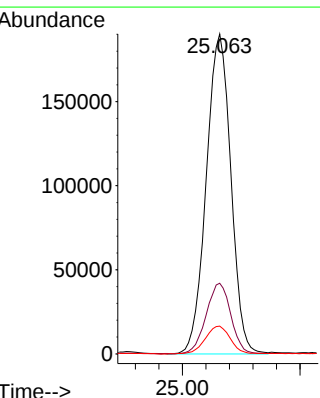
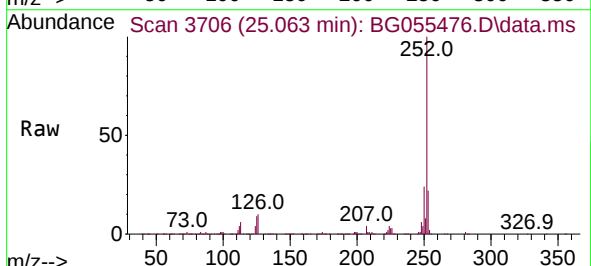
Tgt Ion:252 Resp: 552560

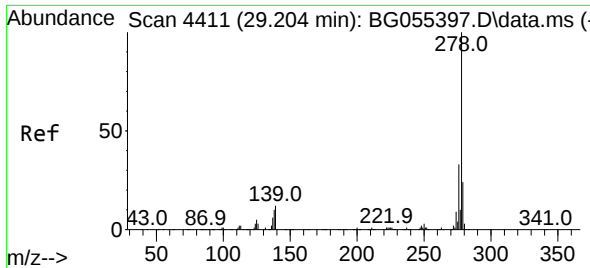
Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

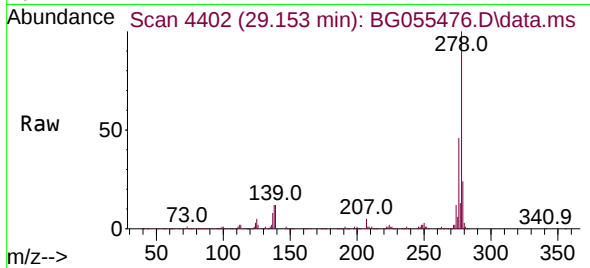
125 8.7 7.1 10.7





#91
Dibenzo(a,h)anthracene
Concen: 43.788 ng
RT: 29.153 min Scan# 4411
Delta R.T. -0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

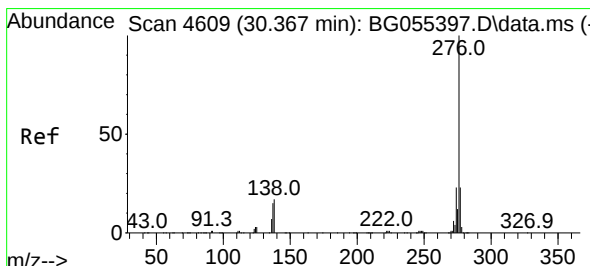
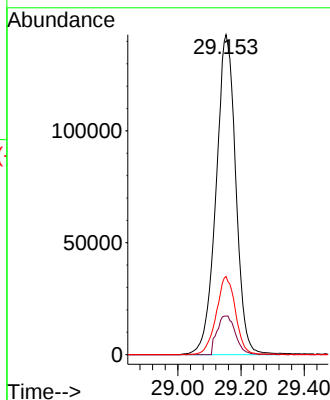
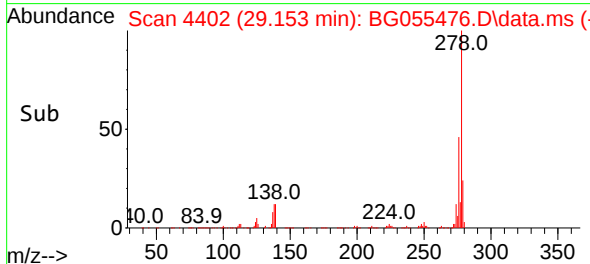
Instrument :
BNA_G
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:278 Resp: 619806
Ion Ratio Lower Upper
278 100
139 12.0 9.9 14.9
279 24.4 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/07/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#92
Benzo(g,h,i)perylene
Concen: 43.842 ng
RT: 30.328 min Scan# 4602
Delta R.T. 0.006 min
Lab File: BG055476.D
Acq: 5 Nov 2022 18:56

Tgt Ion:276 Resp: 617190
Ion Ratio Lower Upper
276 100
277 24.8 18.6 28.0
138 16.3 13.4 20.0

