

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071822\
 Data File : BG054310.D
 Acq On : 18 Jul 2022 13:05
 Operator : CG/JU
 Sample : N3214-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

Quant Time: Jul 18 14:19:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 18 14:19:07 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 07/19/2022
 Supervised By : Jagrut Upadhyay 07/19/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.000	152	17224	20.000	ng	0.00
21) Naphthalene-d8	10.809	136	61536	20.000	ng	# 0.00
39) Acenaphthene-d10	14.633	164	50119	20.000	ng	0.00
64) Phenanthrene-d10	17.377	188	135246	20.000	ng	# 0.00
76) Chrysene-d12	21.643	240	170568	20.000	ng	# 0.00
86) Perylene-d12	24.845	264	181177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	122796	148.853	ng	0.00
7) Phenol-d6	7.166	99	165488	146.400	ng	0.00
23) Nitrobenzene-d5	9.158	82	92722	82.055	ng	0.00
42) 2,4,6-Tribromophenol	16.126	330	155984	148.230	ng	0.00
45) 2-Fluorobiphenyl	13.259	172	295710	83.233	ng	0.00
79) Terphenyl-d14	19.986	244	720599	83.810	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.429	88	3299	10.052	ng	# 82
3) Pyridine	3.840	79	7050	8.468	ng	90
4) n-Nitrosodimethylamine	3.752	42	4181	8.981	ng	# 76
6) Aniline	7.319	93	12740	9.764	ng	# 95
8) 2-Chlorophenol	7.565	128	8314	8.770	ng	86
9) Benzaldehyde	7.136	77	7276m	11.459	ng	
10) Phenol	7.189	94	10046	8.945	ng	84
11) bis(2-Chloroethyl)ether	7.412	93	7467	9.119	ng	85
12) 1,3-Dichlorobenzene	7.888	146	11010	9.532	ng	89
13) 1,4-Dichlorobenzene	8.029	146	11167	9.362	ng	93
14) 1,2-Dichlorobenzene	8.353	146	10295	9.152	ng	97
15) Benzyl Alcohol	8.235	79	8065	8.675	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.529	45	8707	8.443	ng	92
17) 2-Methylphenol	8.447	107	7163	8.849	ng	# 89
18) Hexachloroethane	9.081	117	3705	9.380	ng	# 70
19) n-Nitroso-di-n-propyla...	8.799	70	6417	8.501	ng	# 81
20) 3+4-Methylphenols	8.776	107	9779	8.574	ng	91
22) Acetophenone	8.823	105	13769	9.303	ng	# 96
24) Nitrobenzene	9.199	77	10706	9.695	ng	# 91
25) Isophorone	9.722	82	18819	9.576	ng	# 94
26) 2-Nitrophenol	9.915	139	4947	8.887	ng	87
27) 2,4-Dimethylphenol	9.974	122	8296	10.788	ng	98
28) bis(2-Chloroethoxy)met...	10.203	93	10219	10.310	ng	# 96
29) 2,4-Dichlorophenol	10.462	162	10412	8.970	ng	87
30) 1,2,4-Trichlorobenzene	10.668	180	14225	9.896	ng	# 96
31) Naphthalene	10.856	128	28625	9.267	ng	98
32) Benzoic acid	10.150	122	2994m	12.206	ng	
33) 4-Chloroaniline	10.967	127	11396	9.072	ng	96
34) Hexachlorobutadiene	11.143	225	11844	9.323	ng	97
35) Caprolactam	11.719	113	2657	9.091	ng	# 53
36) 4-Chloro-3-methylphenol	12.089	107	9327	8.833	ng	# 83
37) 2-Methylnaphthalene	12.460	142	22327	9.412	ng	93
38) 1-Methylnaphthalene	12.683	142	21500	9.302	ng	97
40) 1,2,4,5-Tetrachloroben...	12.836	216	21365	9.730	ng	# 93
41) Hexachlorocyclopentadiene	12.812	237	6409	12.441	ng	96
43) 2,4,6-Trichlorophenol	13.076	196	10492	8.776	ng	98

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 Misc : LOQ-SOIL-10ppm
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Instrument :
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 LOQ-SOIL-02-QT2-2022

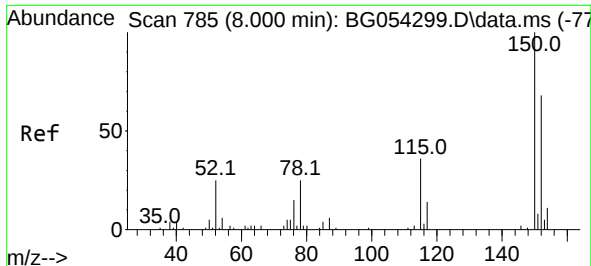
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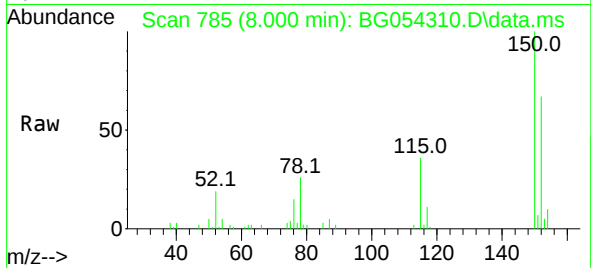
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.153	196	11555m	8.554	ng	
46) 1,1'-Biphenyl	13.464	154	32481	9.473	ng	96
47) 2-Chloronaphthalene	13.511	162	26300	9.165	ng	93
48) 2-Nitroaniline	13.711	65	7067	9.437	ng	92
49) Acenaphthylene	14.357	152	41182	9.659	ng	97
50) Dimethylphthalate	14.081	163	34677	8.858	ng	# 98
51) 2,6-Dinitrotoluene	14.205	165	7893	9.192	ng	# 74
52) Acenaphthene	14.698	154	22965	8.895	ng	97
53) 3-Nitroaniline	14.534	138	6289	8.757	ng	# 79
54) 2,4-Dinitrophenol	14.757	184	4061	9.734	ng	# 66
55) Dibenzofuran	15.033	168	41752	9.088	ng	95
56) 4-Nitrophenol	14.857	139	3633	7.583	ng	98
57) 2,4-Dinitrotoluene	14.998	165	10824	8.793	ng	# 78
58) Fluorene	15.679	166	34206	9.056	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.262	232	10720	8.151	ng	# 87
60) Diethylphthalate	15.444	149	34251	9.120	ng	96
61) 4-Chlorophenyl-phenyle...	15.668	204	23929	9.651	ng	# 86
62) 4-Nitroaniline	15.697	138	6845	9.072	ng	# 74
63) Azobenzene	15.961	77	24082	8.875	ng	81
65) 4,6-Dinitro-2-methylph...	15.762	198	7799	9.334	ng	82
66) n-Nitrosodiphenylamine	15.885	169	30969	9.171	ng	98
67) 4-Bromophenyl-phenylether	16.561	248	17555	9.242	ng	# 92
68) Hexachlorobenzene	16.690	284	20342	9.365	ng	# 91
69) Atrazine	16.825	200	15693	10.444	ng	93
70) Pentachlorophenol	17.037	266	7371	8.672	ng	94
71) Phenanthrene	17.418	178	61783	9.173	ng	98
72) Anthracene	17.512	178	63754	9.646	ng	99
73) Carbazole	17.777	167	52163	9.586	ng	97
74) Di-n-butylphthalate	18.335	149	58731	9.146	ng	# 97
75) Fluoranthene	19.434	202	86612	9.434	ng	96
77) Benzidine	19.604	184	36993	11.975	ng	98
78) Pyrene	19.792	202	87019	8.891	ng	99
80) Butylbenzylphthalate	20.673	149	25817	8.465	ng	# 83
81) Benzo(a)anthracene	21.625	228	98815	9.126	ng	98
82) 3,3'-Dichlorobenzidine	21.537	252	37215	11.052	ng	# 97
83) Chrysene	21.690	228	90949	8.891	ng	98
84) Bis(2-ethylhexyl)phtha...	21.525	149	37297	8.642	ng	# 94
85) Di-n-octyl phthalate	22.724	149	63763	8.660	ng	# 93
87) Indeno(1,2,3-cd)pyrene	28.500	276	118937	8.629	ng	# 96
88) Benzo(b)fluoranthene	23.823	252	100382	9.369	ng	# 98
89) Benzo(k)fluoranthene	23.893	252	98990	9.283	ng	# 96
90) Benzo(a)pyrene	24.692	252	98632	10.779	ng	# 98
91) Dibenzo(a,h)anthracene	28.547	278	105977	9.351	ng	# 95
92) Benzo(g,h,i)perylene	29.639	276	103960	9.294	ng	# 90

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.000 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

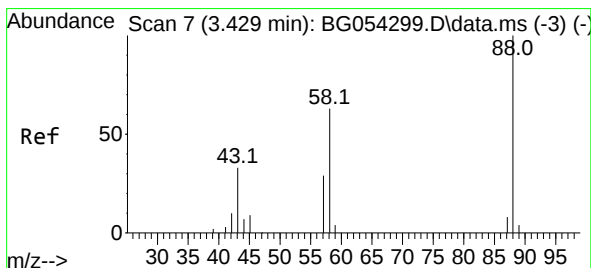
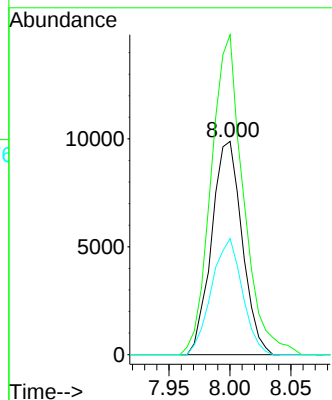
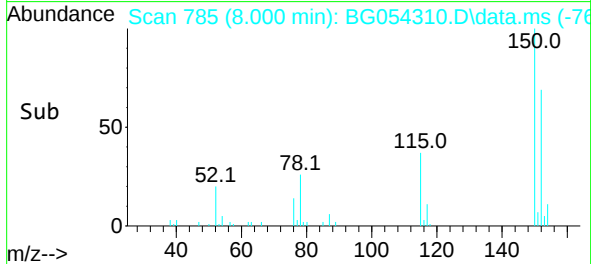
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:152 Resp: 17224
Ion Ratio Lower Upper
152 100
150 150.1 131.6 197.4
115 54.4 50.9 76.3

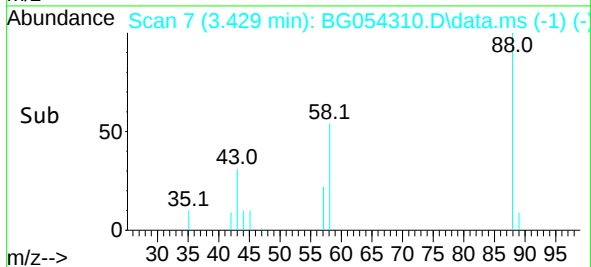
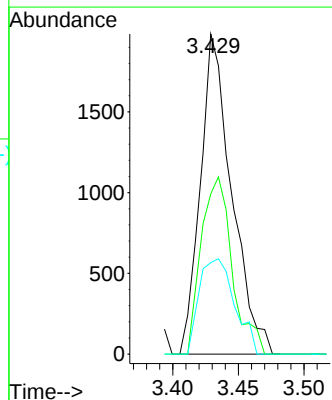
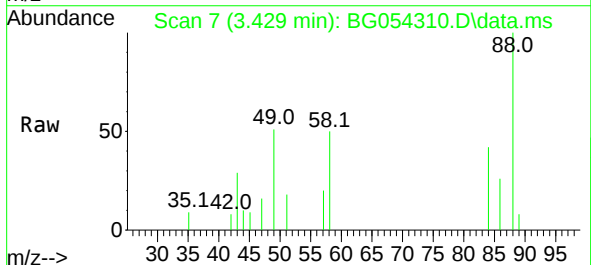
Manual Integrations
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Supervised By :Jagrut Upadhyay 07/19/2022



#2
1,4-Dioxane
Concen: 10.052 ng
RT: 3.429 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

Tgt Ion: 88 Resp: 3299
Ion Ratio Lower Upper
88 100
58 54.7 59.2 88.8#
43 33.6 24.3 36.5





#3

Pyridine

Concen: 8.468 ng

RT: 3.840 min Scan# 71

Delta R.T. 0.006 min

Lab File: BG054310.D

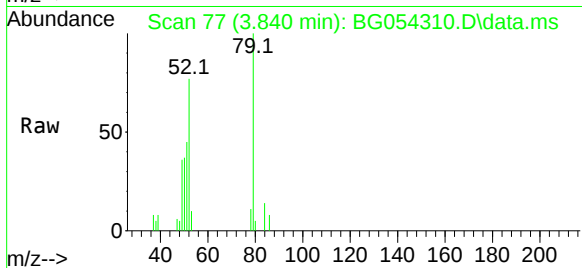
Acq: 18 Jul 2022 13:05

Instrument :

BNA_G

ClientSampleId :

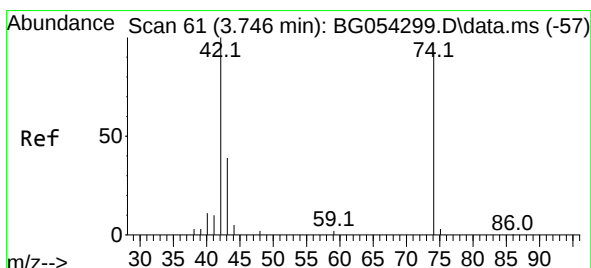
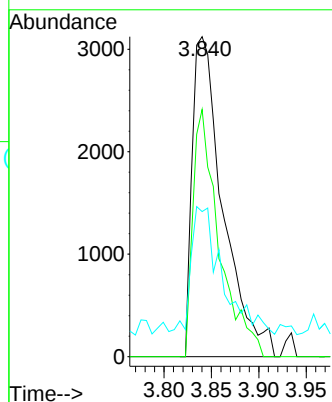
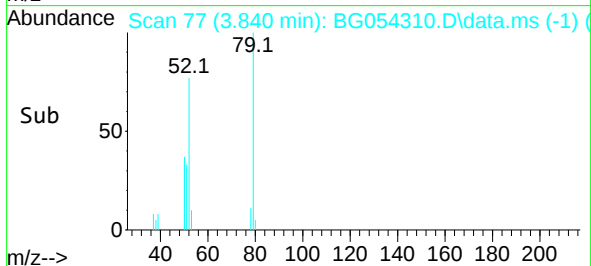
LOQ-SOIL-02-QT2-2022



Tgt Ion	Ratio	Lower	Upper
79	100		
52	77.2	54.6	81.8
51	45.3	32.5	48.7

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#4

n-Nitrosodimethylamine

Concen: 8.981 ng

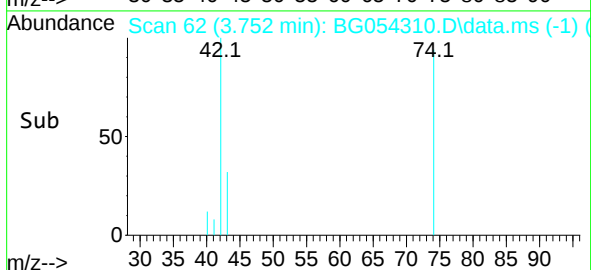
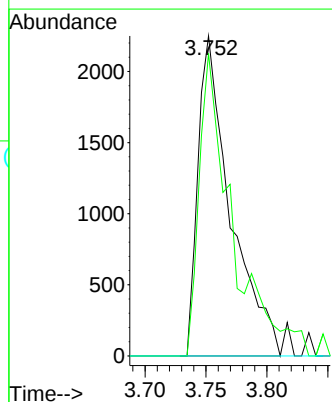
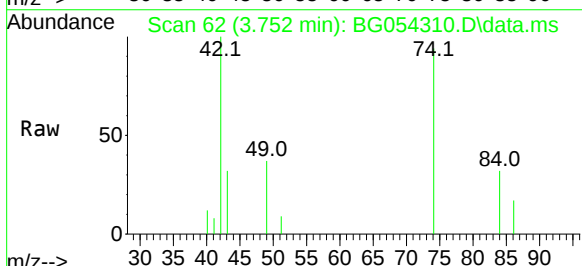
RT: 3.752 min Scan# 62

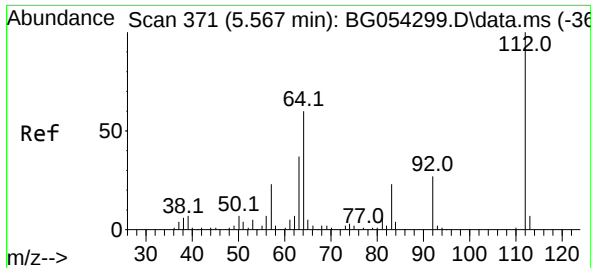
Delta R.T. 0.006 min

Lab File: BG054310.D

Acq: 18 Jul 2022 13:05

Tgt Ion	Ratio	Lower	Upper
42	100		
74	94.5	97.0	145.4#
44	0.0	7.0	10.4#





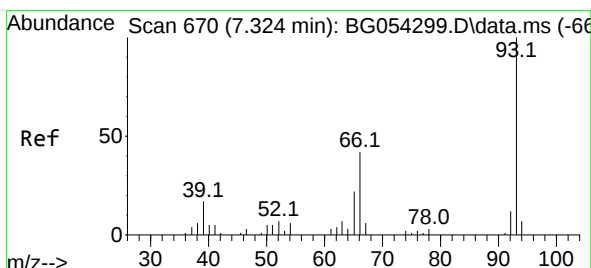
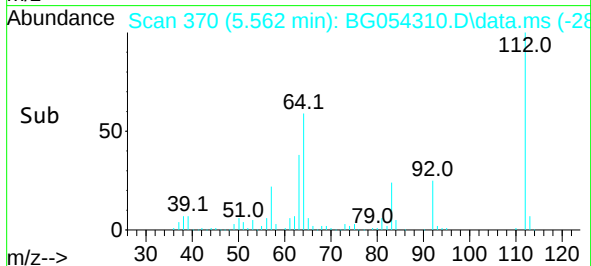
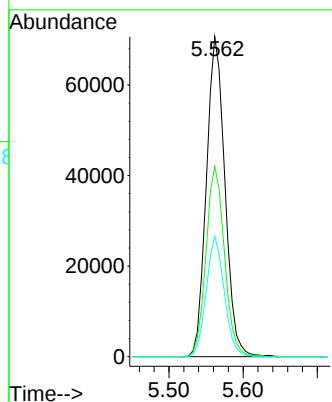
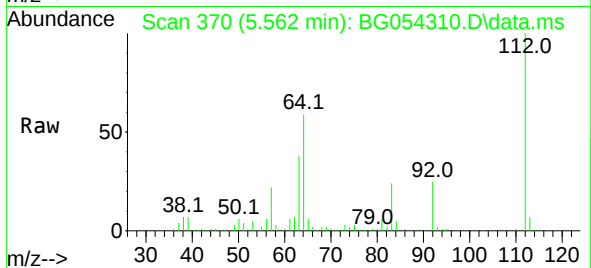
#5
2-Fluorophenol
Concen: 148.853 ng
RT: 5.562 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:112 Resp: 122790
Ion Ratio Lower Upper
112 100
64 59.4 55.1 82.7
63 37.6 30.4 45.6

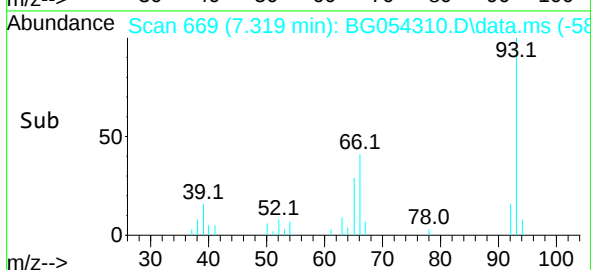
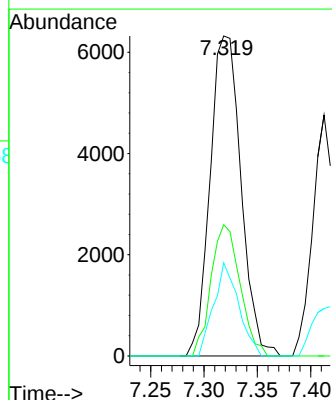
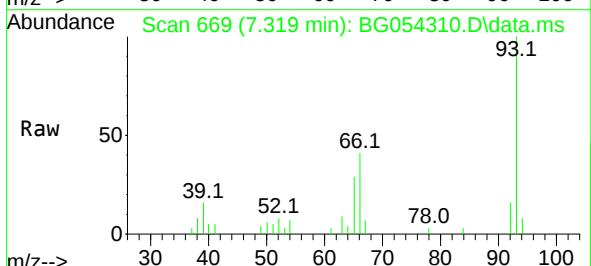
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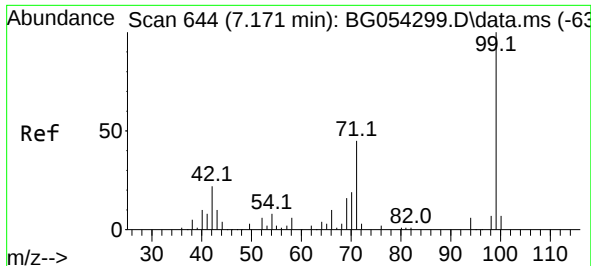
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#6
Aniline
Concen: 9.764 ng
RT: 7.319 min Scan# 669
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

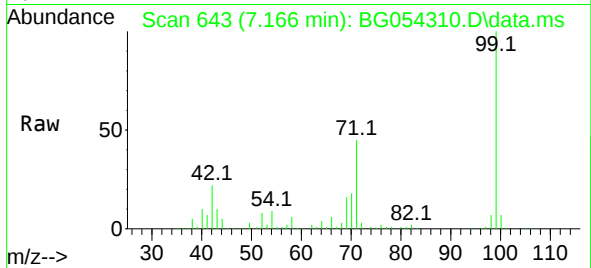
Tgt Ion: 93 Resp: 12740
Ion Ratio Lower Upper
93 100
66 41.0 32.9 49.3
65 29.1 17.8 26.8#





#7
Phenol-d6
Concen: 146.400 ng
RT: 7.166 min Scan# 644
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

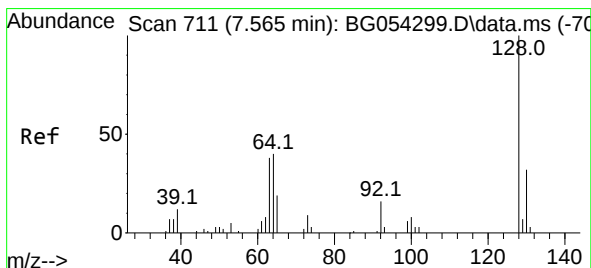
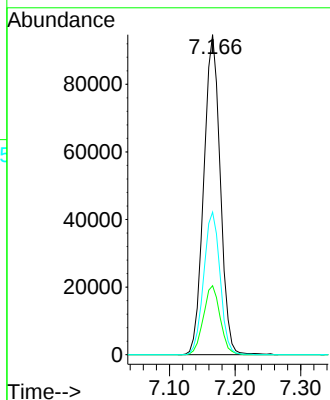
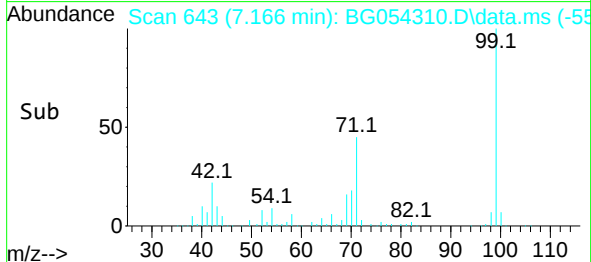
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion: 99 Resp: 16548
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 44.6 33.8 50.8

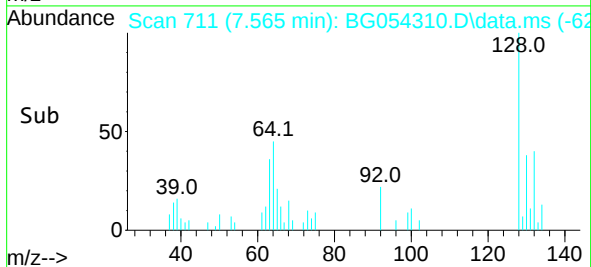
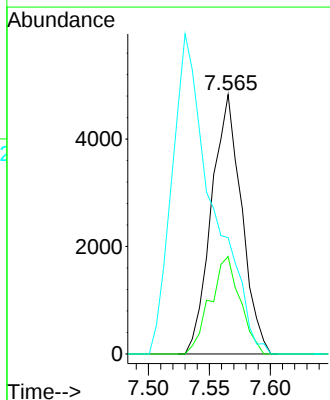
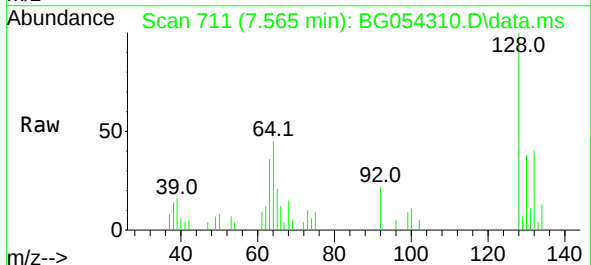
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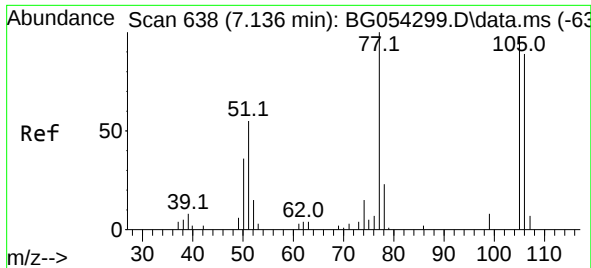
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#8
2-Chlorophenol
Concen: 8.770 ng
RT: 7.565 min Scan# 711
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

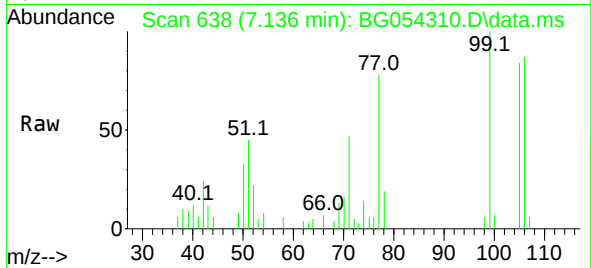
Tgt Ion:128 Resp: 8314
Ion Ratio Lower Upper
128 100
130 37.6 10.5 50.5
64 44.9 35.1 75.1





#9
Benzaldehyde
Concen: 11.459 ng m
RT: 7.136 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

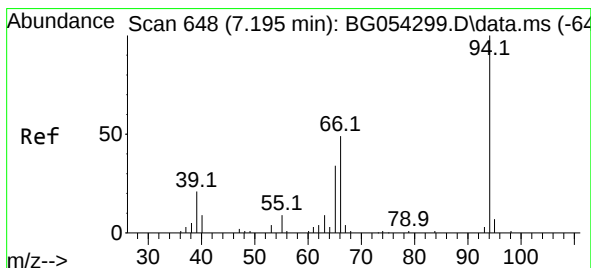
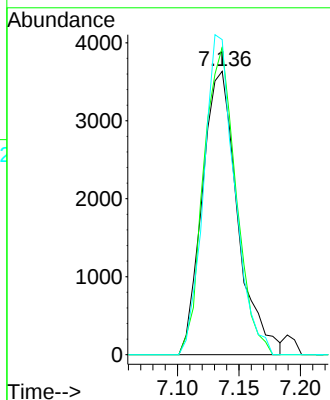
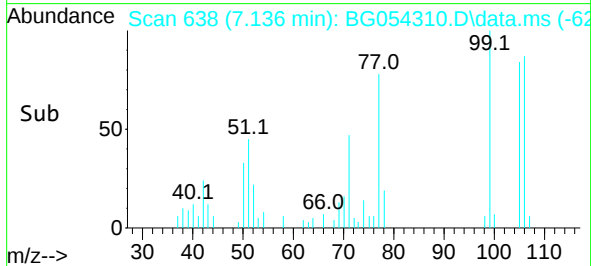
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LOQ-SOIL-02-QT2-2022



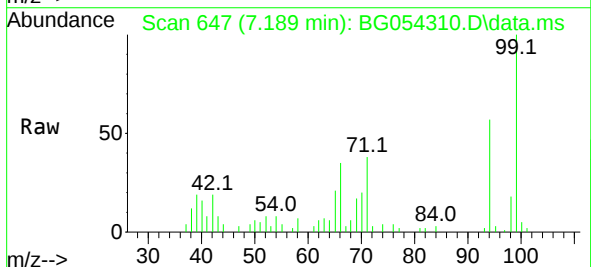
Tgt Ion: 77 Resp: 7270
Ion Ratio Lower Upper
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105 108.4 59.6 99.6
106 111.2 56.8 96.8

Manual Integrations
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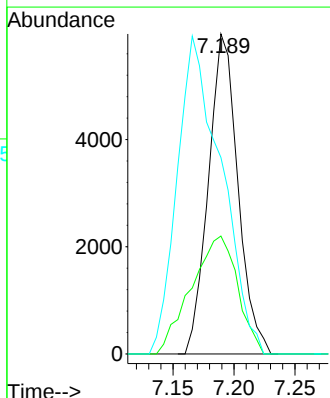
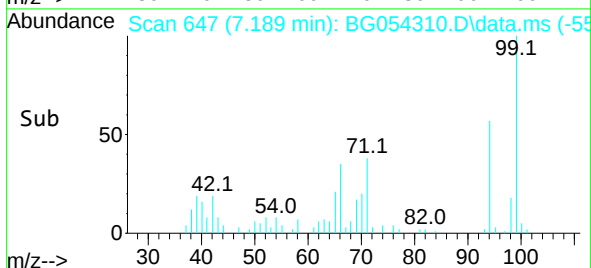
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#10
Phenol
Concen: 8.945 ng
RT: 7.189 min Scan# 647
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



Tgt Ion: 94 Resp: 10046
Ion Ratio Lower Upper
94 100
65 36.9 14.8 54.8
66 61.4 25.2 65.2





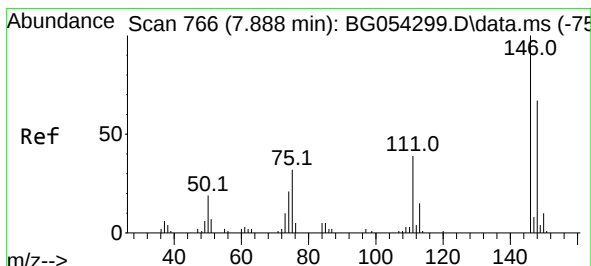
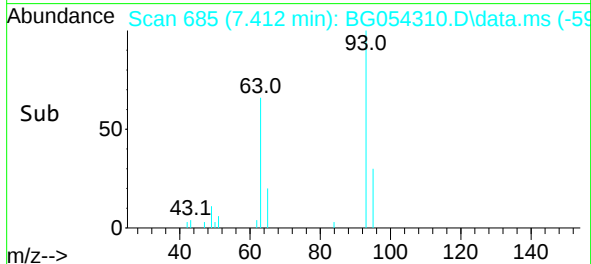
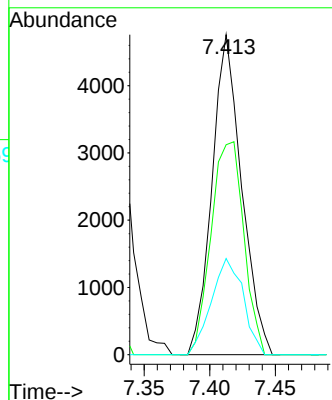
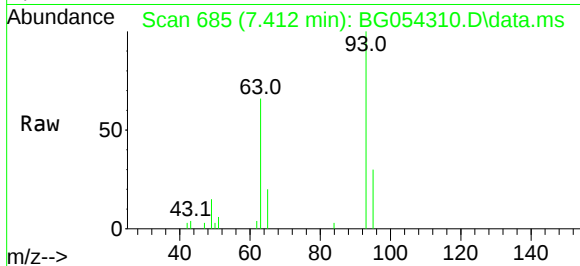
#11
bis(2-Chloroethyl)ether
Concen: 9.119 ng
RT: 7.412 min Scan# 686
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion: 93 Resp: 746
Ion Ratio Lower Upper
93 100
63 65.6 63.6 103.6
95 30.0 10.1 50.1

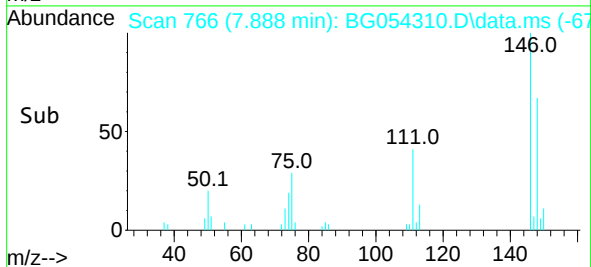
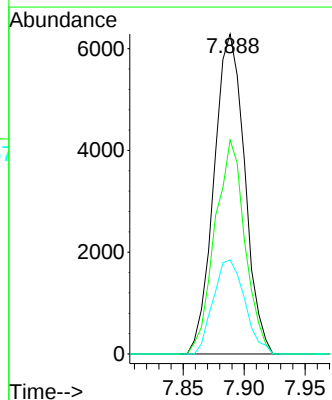
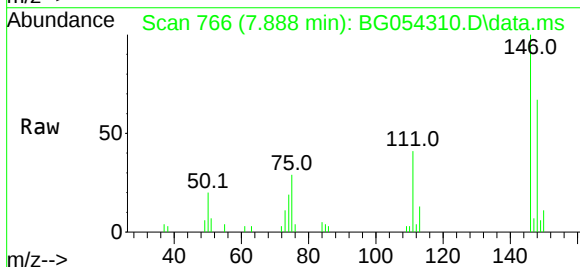
Manual Integrations
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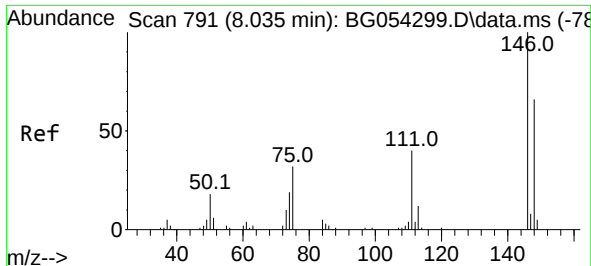
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#12
1,3-Dichlorobenzene
Concen: 9.532 ng
RT: 7.888 min Scan# 766
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

Tgt Ion:146 Resp: 11010
Ion Ratio Lower Upper
146 100
148 66.9 46.1 69.1
75 29.4 27.6 41.4





#13

1,4-Dichlorobenzene

Concen: 9.362 ng

RT: 8.029 min Scan# 791

Delta R.T. -0.006 min

Lab File: BG054310.D

Acq: 18 Jul 2022 13:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:146 Resp: 1116

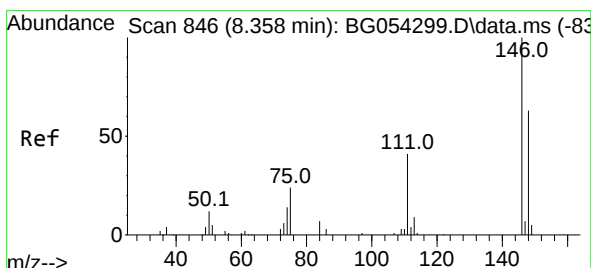
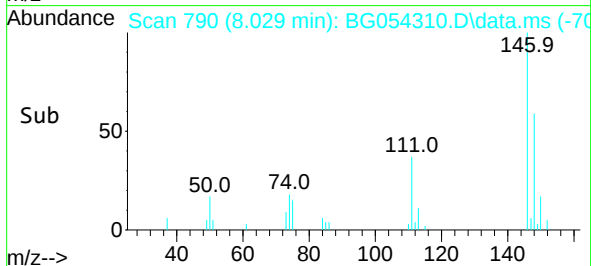
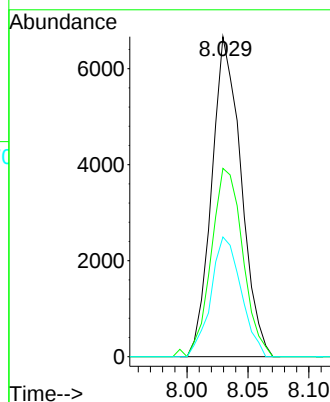
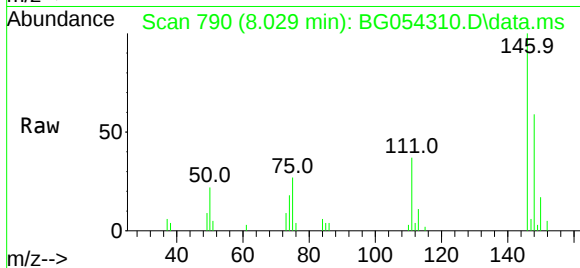
Ion	Ratio	Lower	Upper
146	100		
148	58.8	51.5	77.3
111	37.4	33.9	50.9

Manual Integrations

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Reviewed By :Christian Giraldo 07/19/2022

Supervised By :Jagrut Upadhyay 07/19/2022



#14

1,2-Dichlorobenzene

Concen: 9.152 ng

RT: 8.353 min Scan# 845

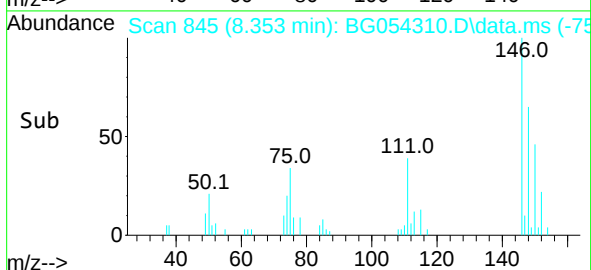
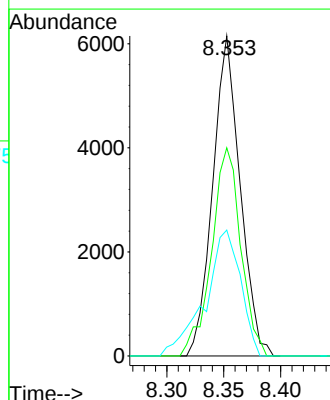
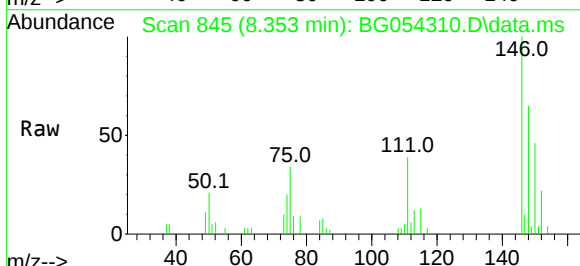
Delta R.T. -0.006 min

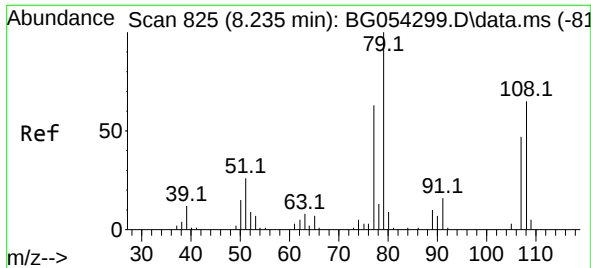
Lab File: BG054310.D

Acq: 18 Jul 2022 13:05

Tgt Ion:146 Resp: 10295

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.6	78.8
111	39.3	34.5	51.7





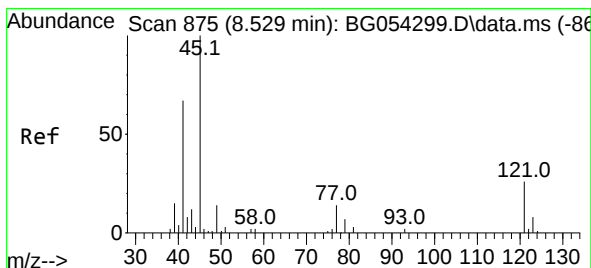
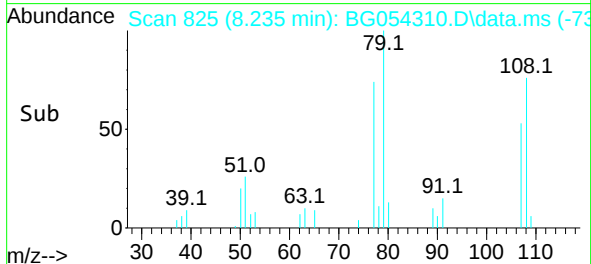
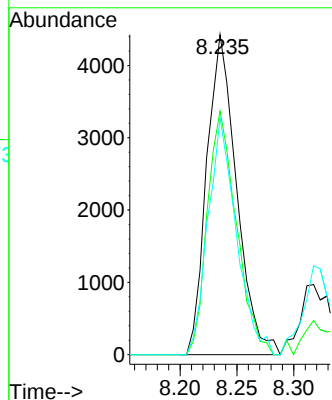
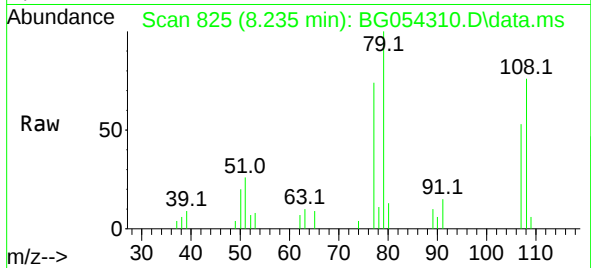
#15
Benzyl Alcohol
Concen: 8.675 ng
RT: 8.235 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion: 79 Resp: 806
Ion Ratio Lower Upper
79 100
108 76.1 53.7 80.5
77 74.0 52.2 78.4

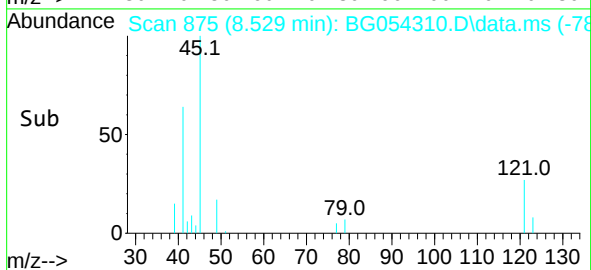
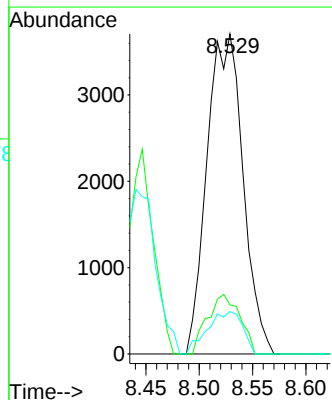
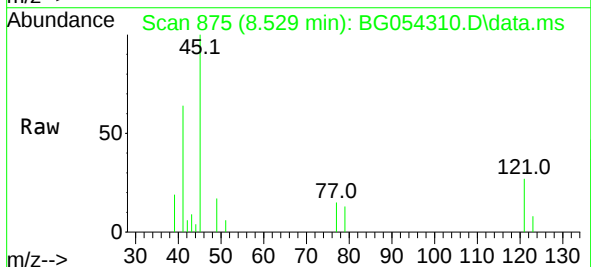
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Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.443 ng
RT: 8.529 min Scan# 875
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

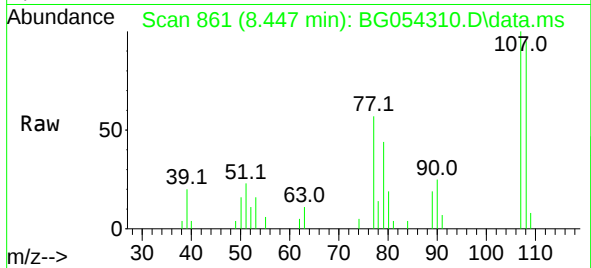
Tgt Ion: 45 Resp: 8707
Ion Ratio Lower Upper
45 100
77 15.4 0.0 32.7
79 13.2 0.0 29.7





#17
2-Methylphenol
Concen: 8.849 ng
RT: 8.447 min Scan# 80
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

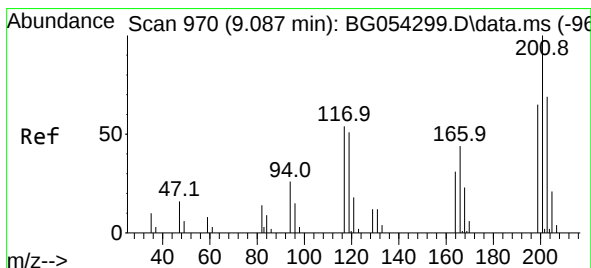
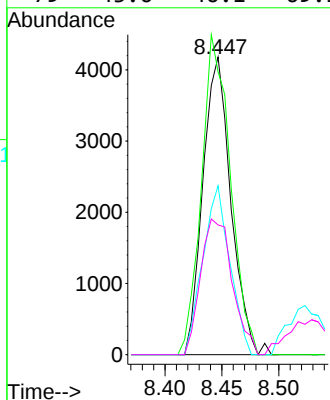
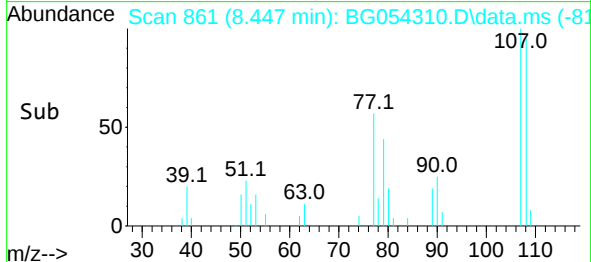
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



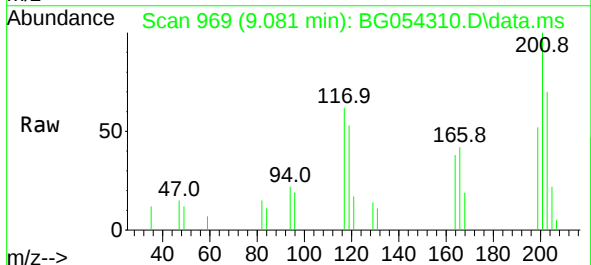
Tgt Ion:107 Resp: 716
Ion Ratio Lower Upper
107 100
108 95.1 85.4 128.0
77 56.7 46.2 69.2
79 43.6 46.1 69.1#

Manual Integrations
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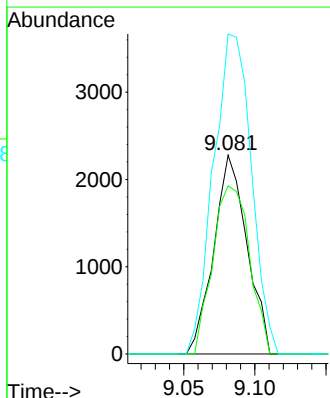
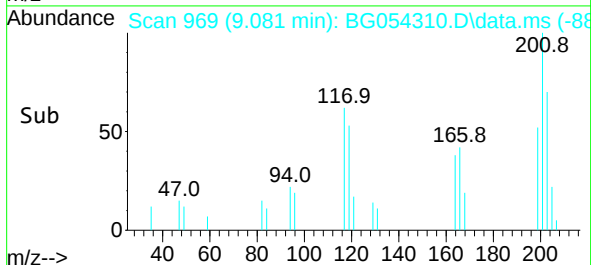
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#18
Hexachloroethane
Concen: 9.380 ng
RT: 9.081 min Scan# 969
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



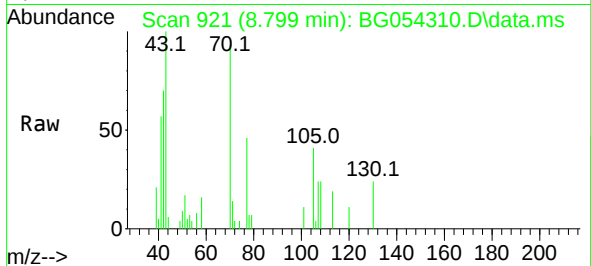
Tgt Ion:117 Resp: 3705
Ion Ratio Lower Upper
117 100
119 84.6 75.0 112.6
201 161.0 89.0 133.6#





#19
n-Nitroso-di-n-propylamine
Concen: 8.501 ng
RT: 8.799 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

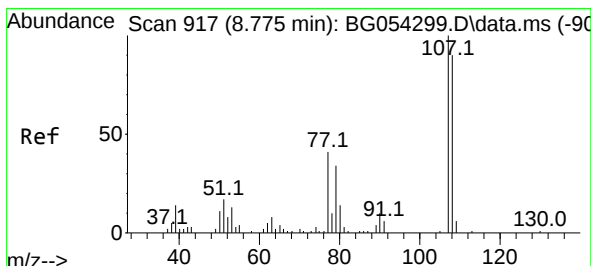
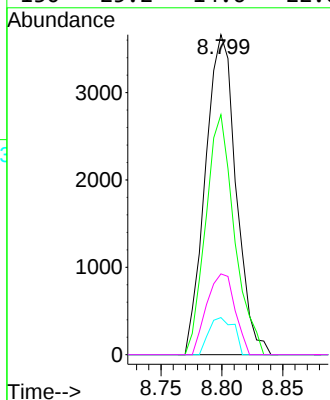
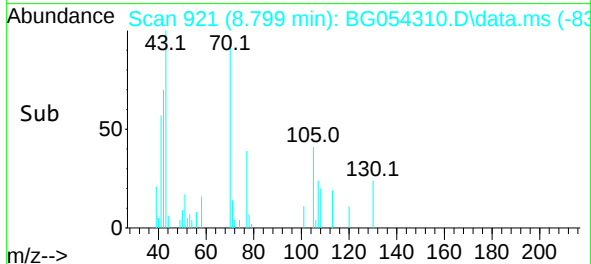
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion: 70 Resp: 641
Ion Ratio Lower Upper
70 100
42 75.0 47.3 70.9
101 11.6 7.0 10.4
130 25.2 14.6 22.0

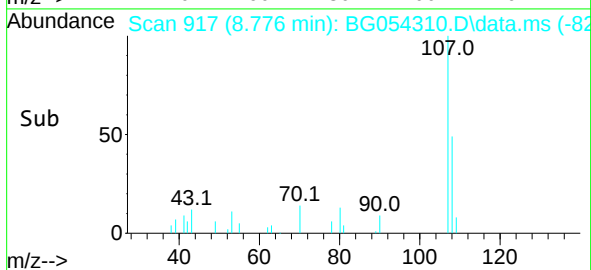
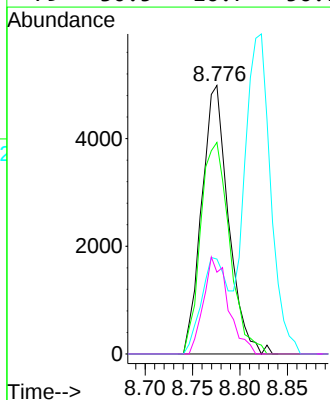
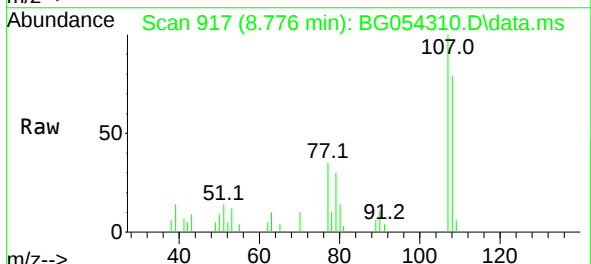
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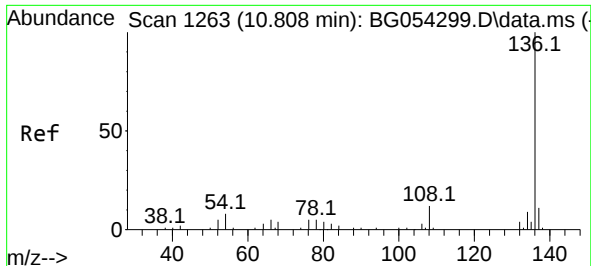
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#20
3+4-Methylphenols
Concen: 8.574 ng
RT: 8.776 min Scan# 917
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

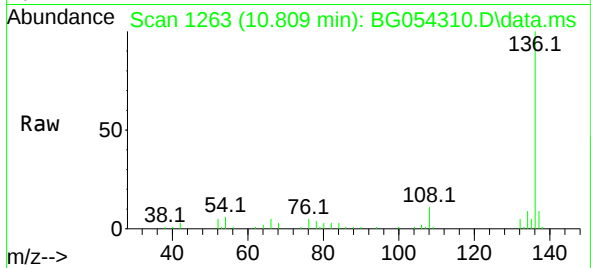
Tgt Ion:107 Resp: 9779
Ion Ratio Lower Upper
107 100
108 78.8 67.5 107.5
77 35.3 20.3 60.3
79 30.5 16.7 56.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.809 min Scan# 1263
Delta R.T. 0.001 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

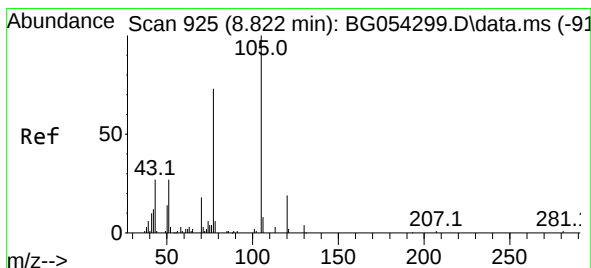
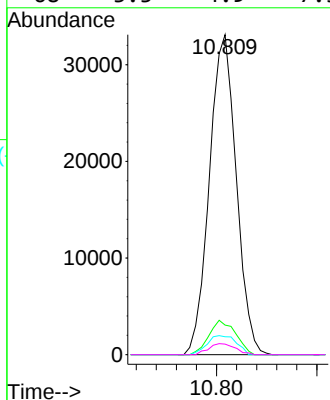
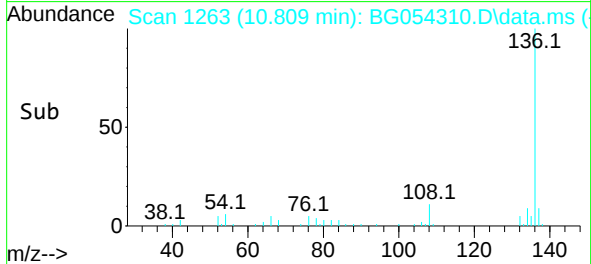
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



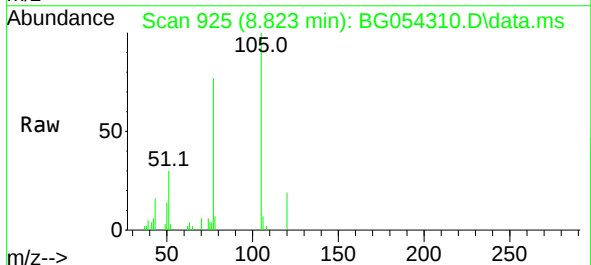
Tgt Ion:136 Resp: 61530
Ion Ratio Lower Upper
136 100
137 9.2 8.5 12.7
54 5.6 7.4 11.2
68 3.3 4.9 7.3#

Manual Integrations
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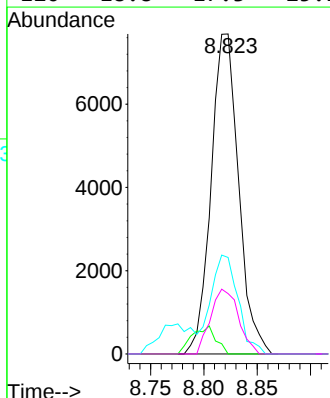
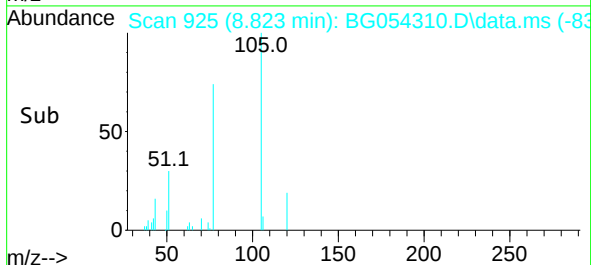
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

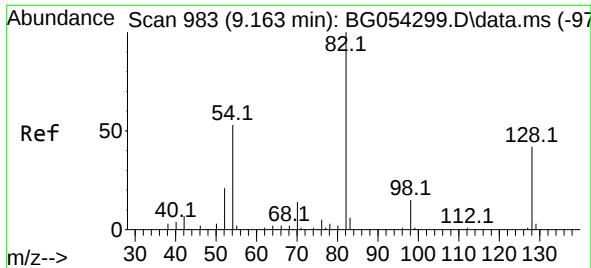


#22
Acetophenone
Concen: 9.303 ng
RT: 8.823 min Scan# 925
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



Tgt Ion:105 Resp: 13769
Ion Ratio Lower Upper
105 100
71 0.0 1.1 1.7#
51 30.2 25.4 38.0
120 18.8 17.3 25.9





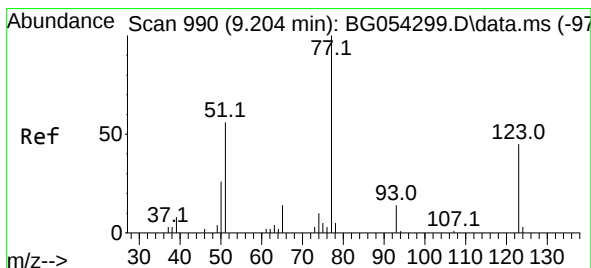
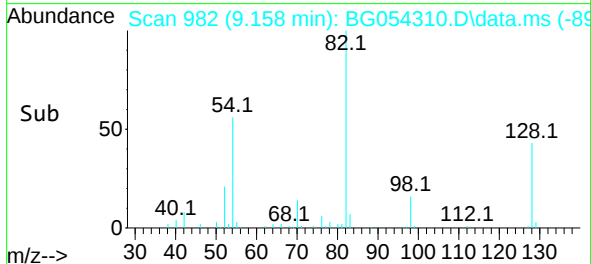
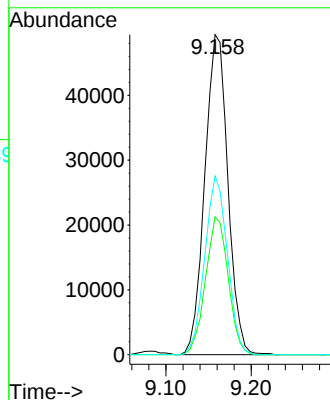
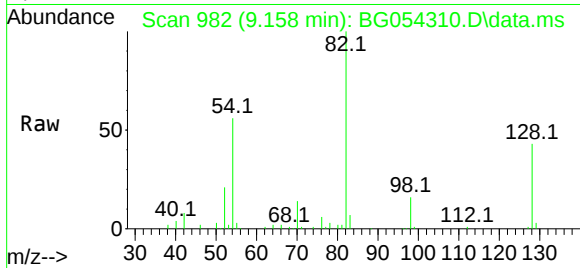
#23
Nitrobenzene-d5
Concen: 82.055 ng
RT: 9.158 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion: 82 Resp: 9272
Ion Ratio Lower Upper
82 100
128 43.1 27.9 41.9
54 55.9 41.2 61.8

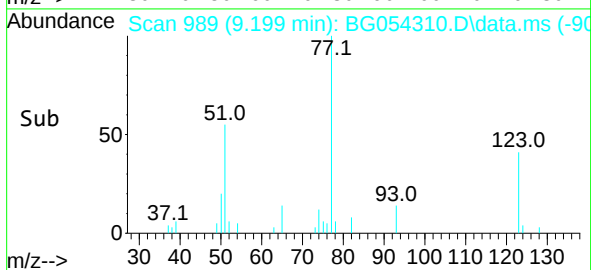
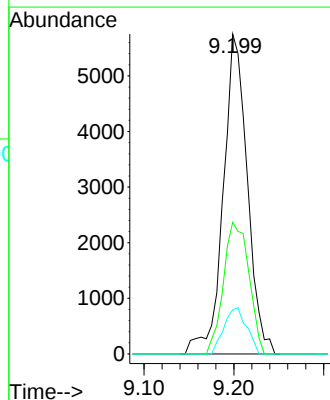
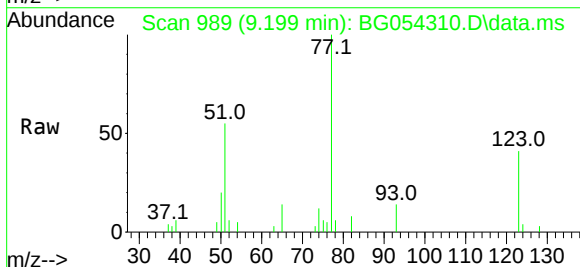
Manual Integrations
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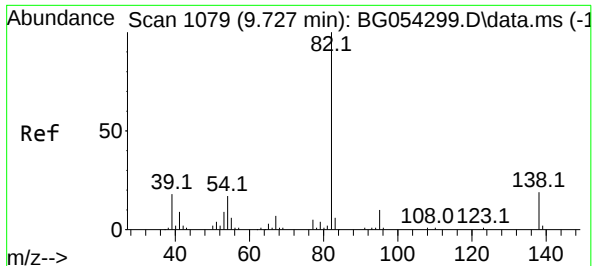
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#24
Nitrobenzene
Concen: 9.695 ng
RT: 9.199 min Scan# 989
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

Tgt Ion: 77 Resp: 10706
Ion Ratio Lower Upper
77 100
123 41.2 27.4 41.0
65 13.8 11.4 17.0





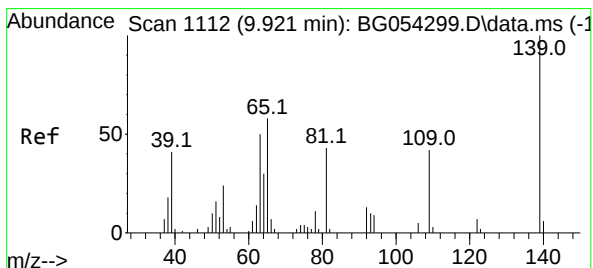
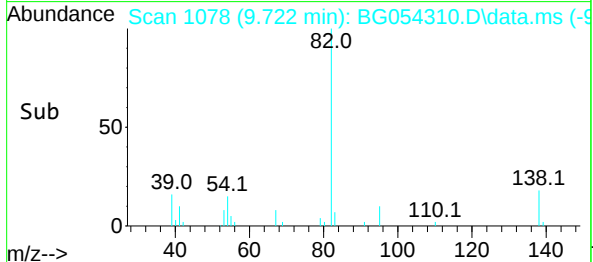
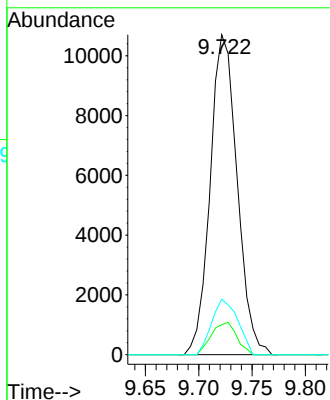
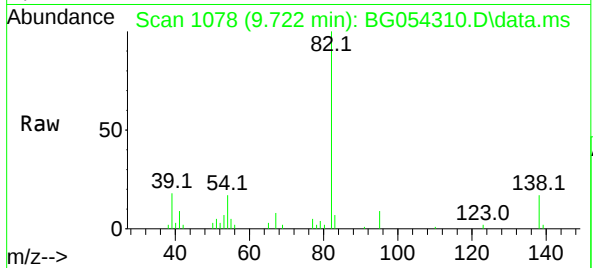
#25
Isophorone
Concen: 9.576 ng
RT: 9.722 min Scan# 1079
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion: 82 Resp: 18819
Ion Ratio Lower Upper
82 100
95 9.4 6.2 9.4
138 17.3 11.6 17.4

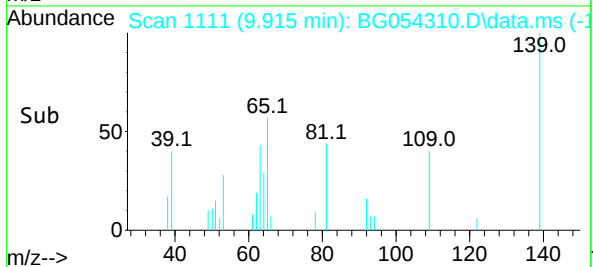
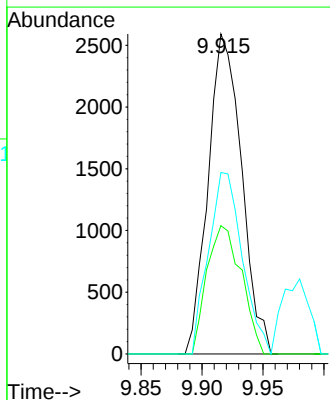
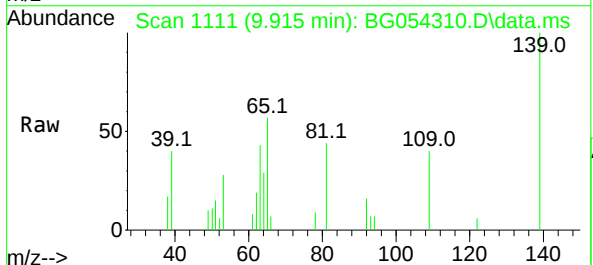
Manual Integrations
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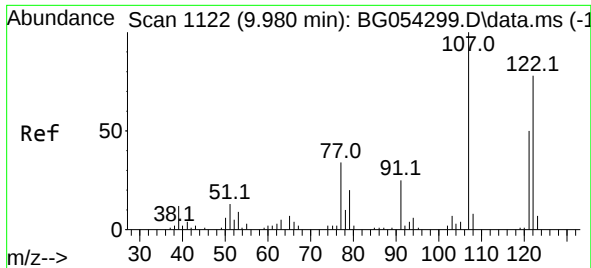
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#26
2-Nitrophenol
Concen: 8.887 ng
RT: 9.915 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

Tgt Ion:139 Resp: 4947
Ion Ratio Lower Upper
139 100
109 40.1 36.1 54.1
65 56.7 55.8 83.6





#27

2,4-Dimethylphenol

Concen: 10.788 ng

RT: 9.974 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BG054310.D

Acq: 18 Jul 2022 13:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2022

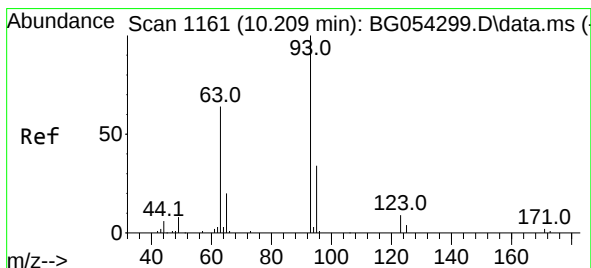
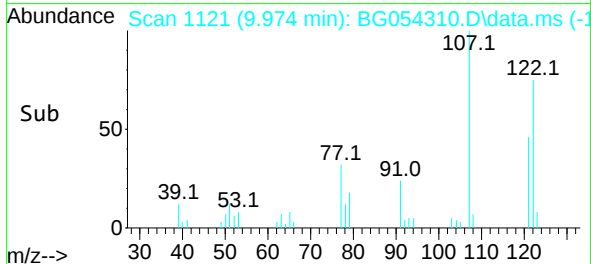
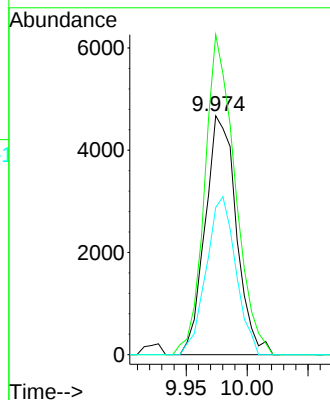
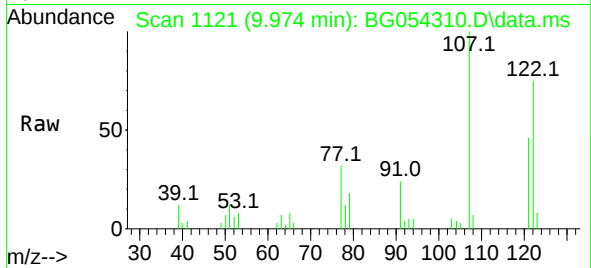
Tgt Ion:	122	Resp:	8290
Ion	Ratio	Lower	Upper
122	100		
107	134.0	109.4	164.0
121	61.6	48.7	73.1

Manual Integrations

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Reviewed By :Christian Giraldo 07/19/2022

Supervised By :Jagrut Upadhyay 07/19/2022



#28

bis(2-Chloroethoxy)methane

Concen: 10.310 ng

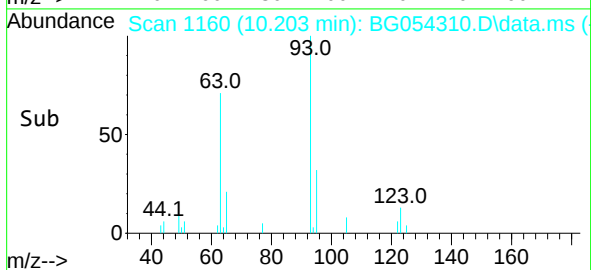
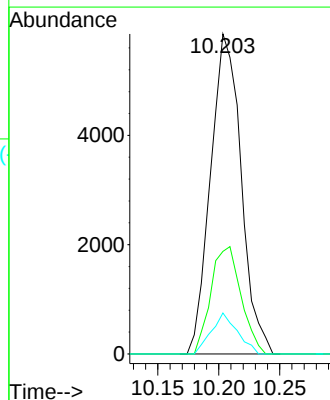
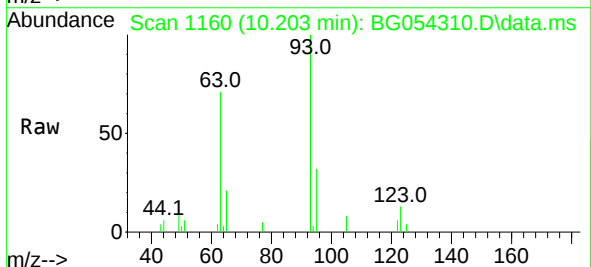
RT: 10.203 min Scan# 1160

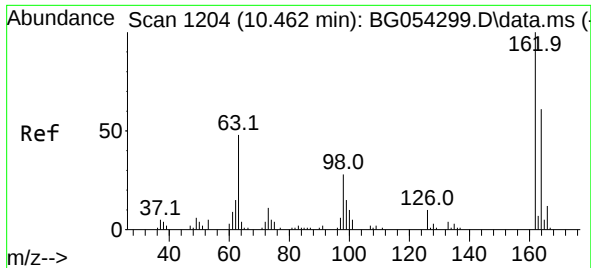
Delta R.T. -0.006 min

Lab File: BG054310.D

Acq: 18 Jul 2022 13:05

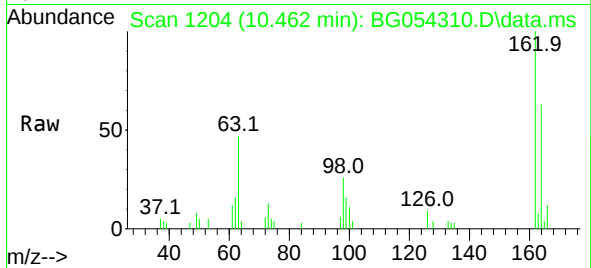
Tgt Ion:	93	Resp:	10219
Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.9	40.3
123	12.8	7.7	11.5





#29
2,4-Dichlorophenol
Concen: 8.970 ng
RT: 10.462 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

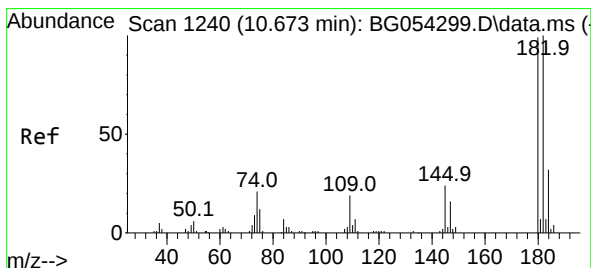
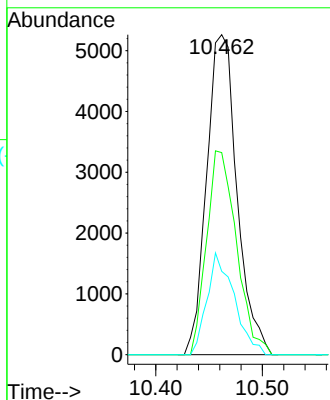
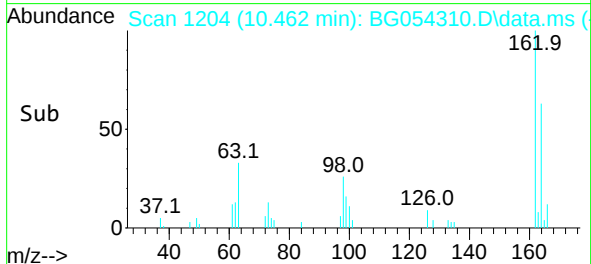
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



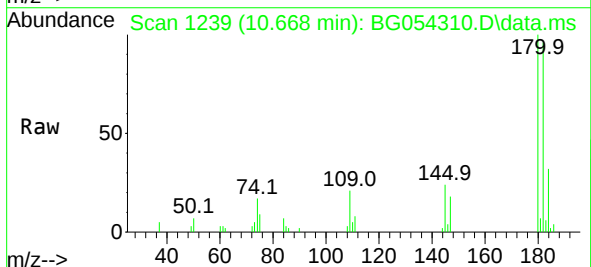
Tgt Ion:162 Resp: 1041
Ion Ratio Lower Upper
162 100
164 63.2 46.6 86.6
98 26.1 22.8 62.8

Manual Integrations
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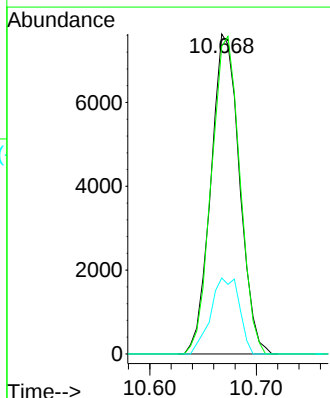
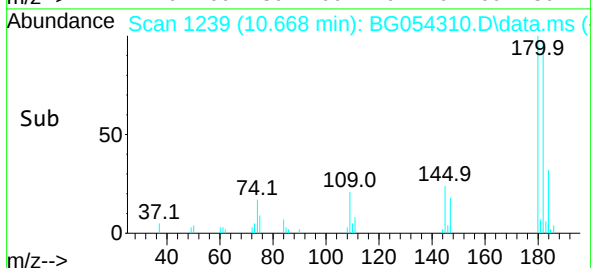
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

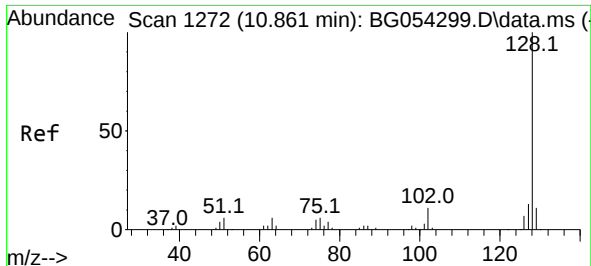


#30
1,2,4-Trichlorobenzene
Concen: 9.896 ng
RT: 10.668 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



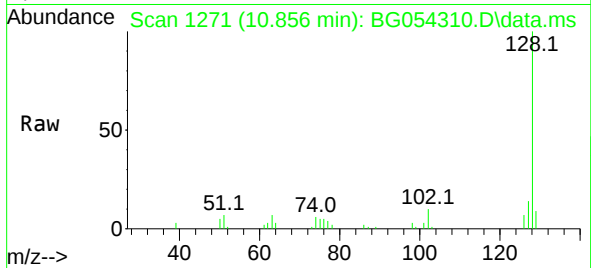
Tgt Ion:180 Resp: 14225
Ion Ratio Lower Upper
180 100
182 96.1 76.6 115.0
145 23.8 25.0 37.4#





#31
Naphthalene
Concen: 9.267 ng
RT: 10.856 min Scan# 1127
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

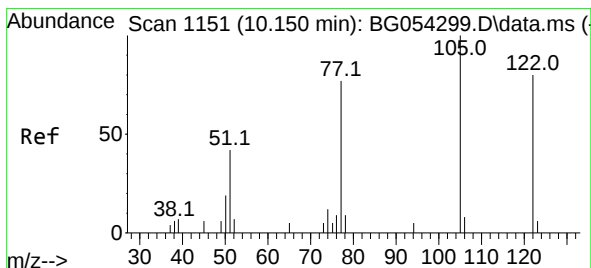
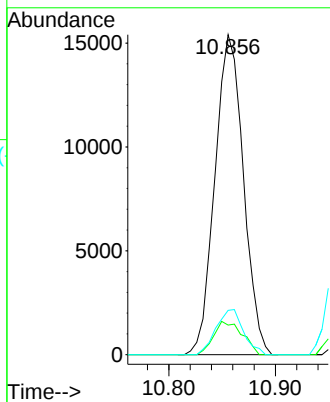
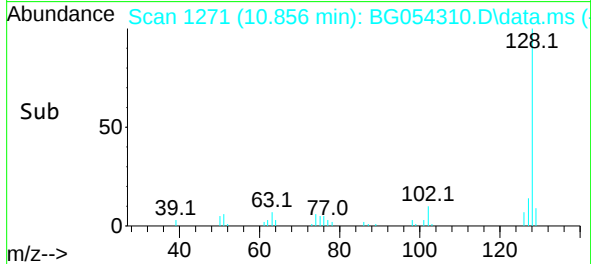
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



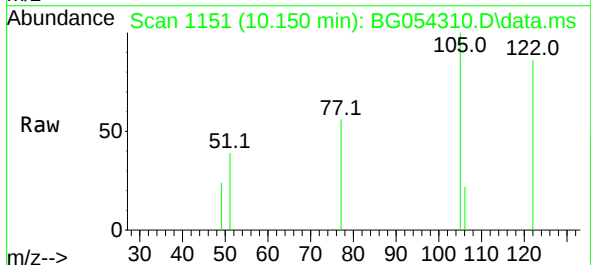
Tgt Ion:128 Resp: 2862
Ion Ratio Lower Upper
128 100
129 9.3 9.0 13.6
127 13.8 11.1 16.7

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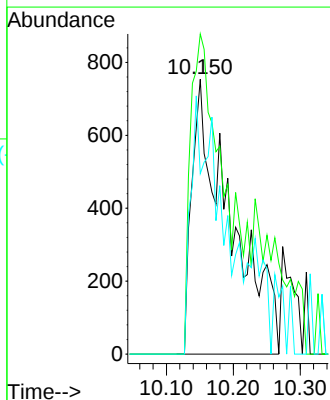
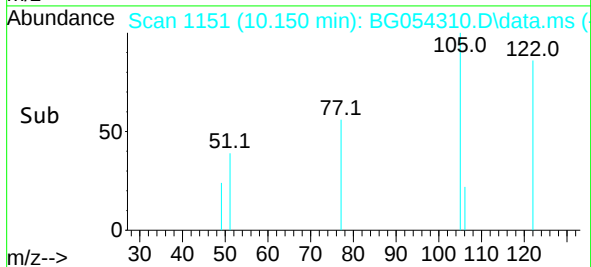
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#32
Benzoic acid
Concen: 12.206 ng m
RT: 10.150 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



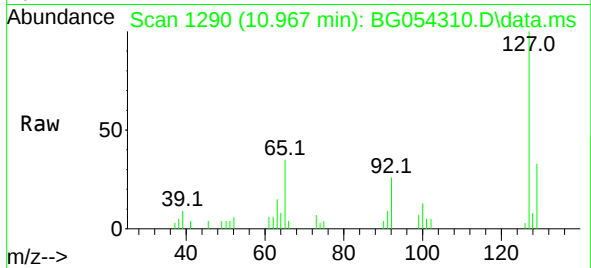
Tgt Ion:122 Resp: 2994
Ion Ratio Lower Upper
122 100
105 116.4 111.8 151.8
77 65.6 109.4 149.4#





#33
4-Chloroaniline
Concen: 9.072 ng
RT: 10.967 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

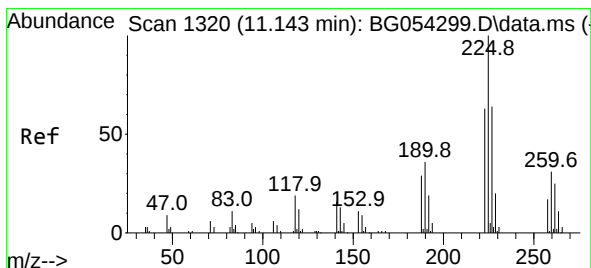
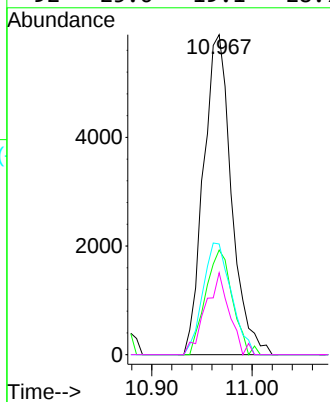
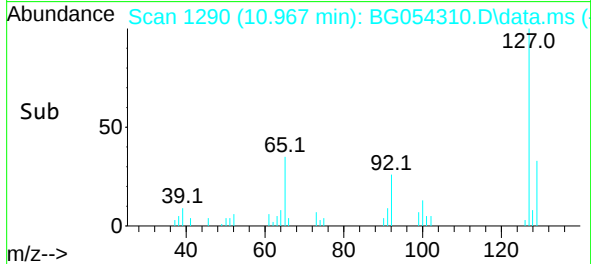
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.3	39.5
65	34.6	31.1	46.7
92	25.6	19.1	28.7

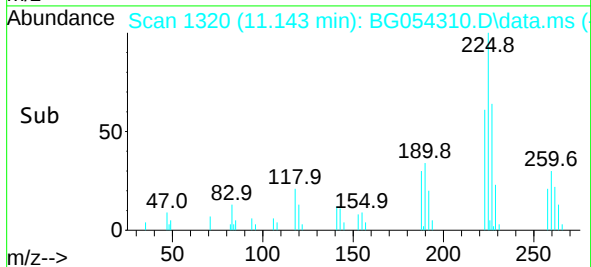
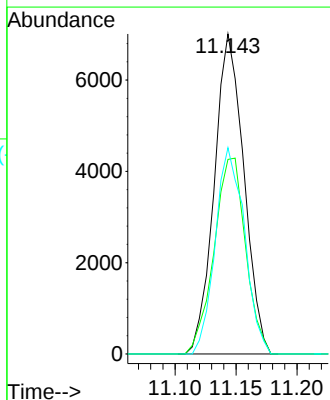
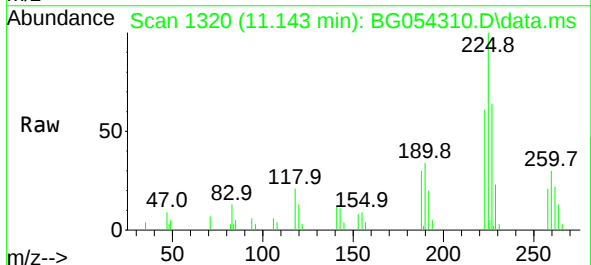
Manual Integrations
APPROVED

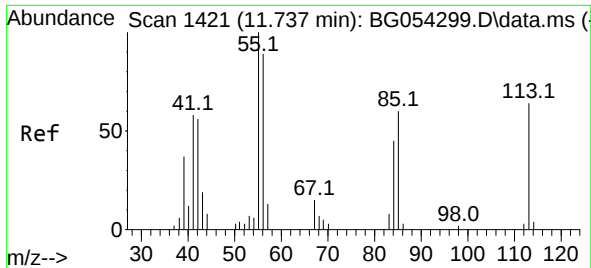
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#34
Hexachlorobutadiene
Concen: 9.323 ng
RT: 11.143 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

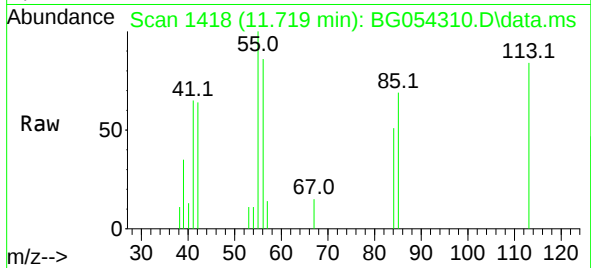
Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.2	48.9	73.3
227	64.0	52.8	79.2





#35
Caprolactam
Concen: 9.091 ng
RT: 11.719 min Scan# 1418
Delta R.T. -0.017 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

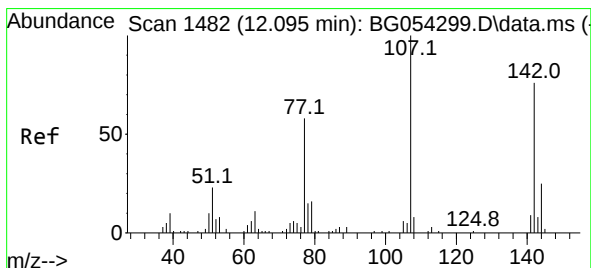
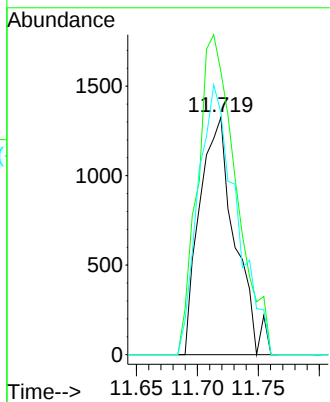
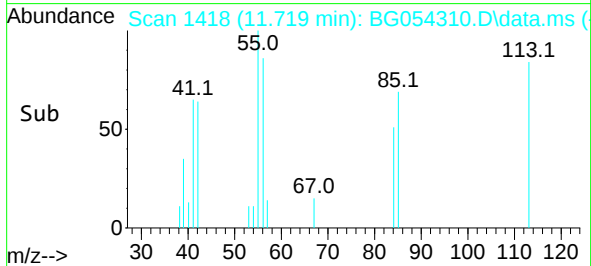
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT2-2022



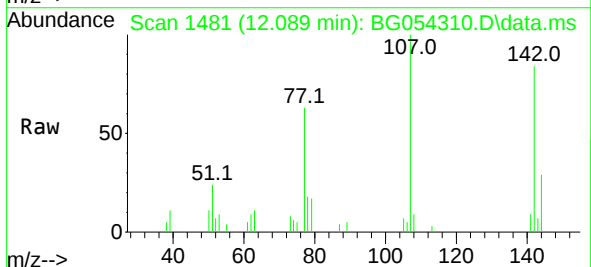
Tgt Ion:113 Resp: 265
Ion Ratio Lower Upper
113 100
55 119.2 169.8 209.8#
56 102.0 141.2 181.2#

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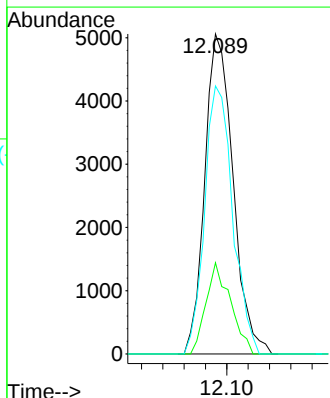
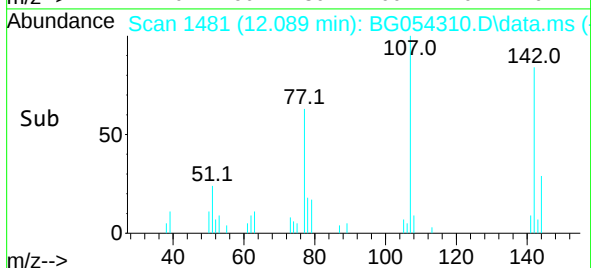
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#36
4-Chloro-3-methylphenol
Concen: 8.833 ng
RT: 12.089 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



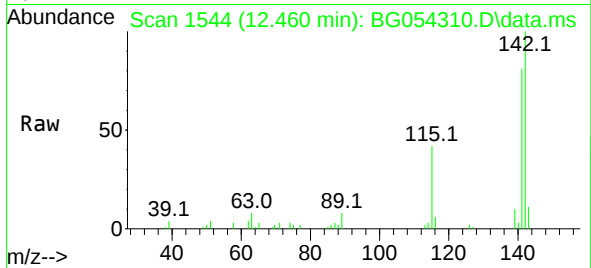
Tgt Ion:107 Resp: 9327
Ion Ratio Lower Upper
107 100
144 28.5 18.5 27.7#
142 83.8 55.0 82.4#





#37
2-Methylnaphthalene
Concen: 9.412 ng
RT: 12.460 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

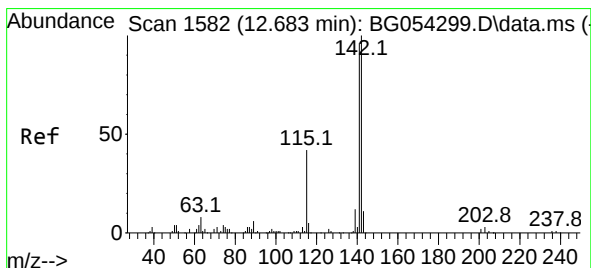
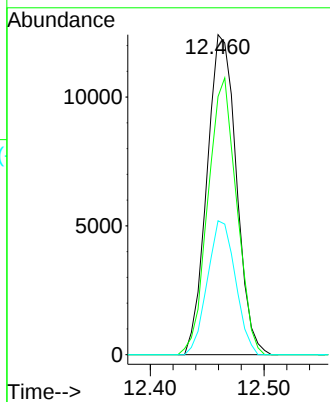
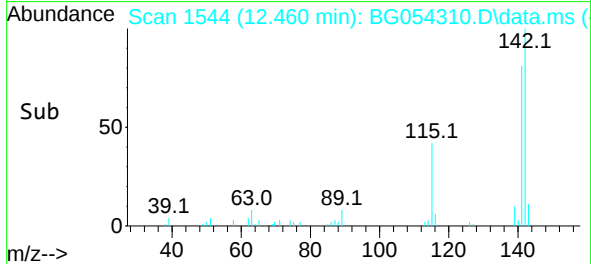
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:142 Resp: 2232
Ion Ratio Lower Upper
142 100
141 80.7 72.3 108.5
115 41.8 33.7 50.5

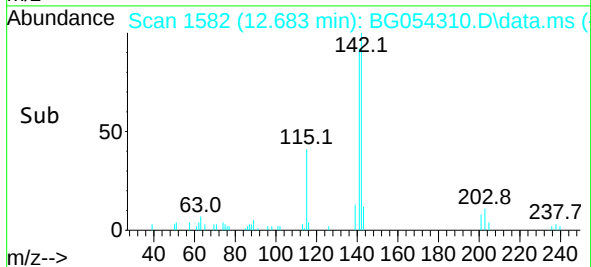
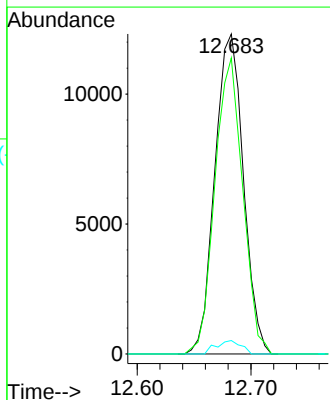
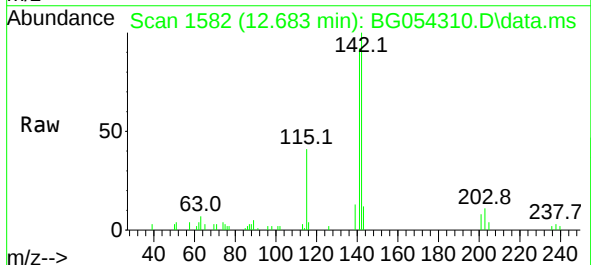
Manual Integrations
APPROVED

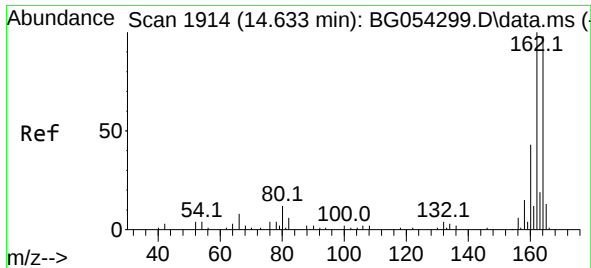
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#38
1-Methylnaphthalene
Concen: 9.302 ng
RT: 12.683 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

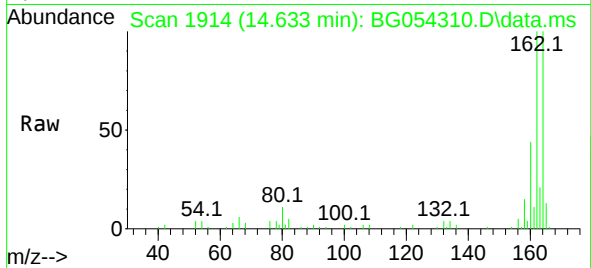
Tgt Ion:142 Resp: 21500
Ion Ratio Lower Upper
142 100
141 92.5 76.4 114.6
116 4.2 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.633 min Scan# 1914
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

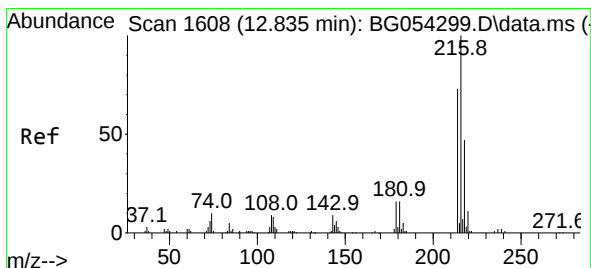
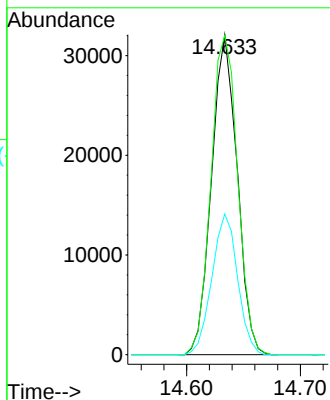
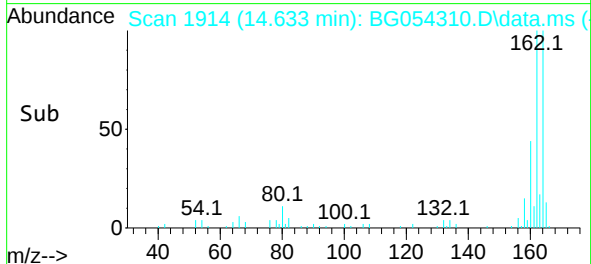
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



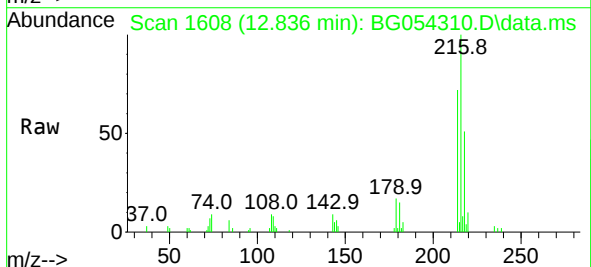
Tgt Ion:164 Resp: 50119
Ion Ratio Lower Upper
164 100
162 99.8 82.3 123.5
160 44.0 34.2 51.2

Manual Integrations
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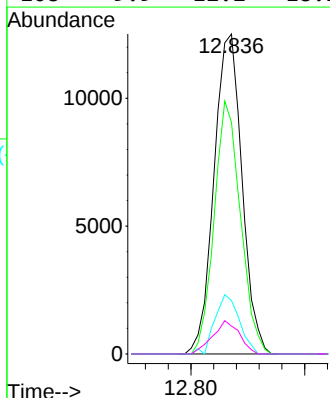
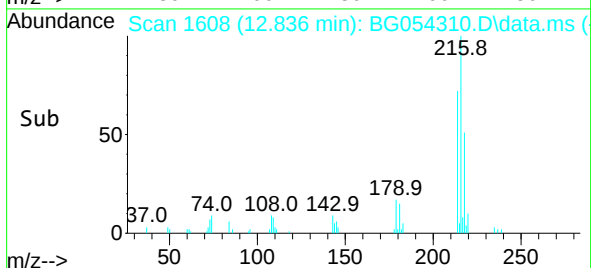
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

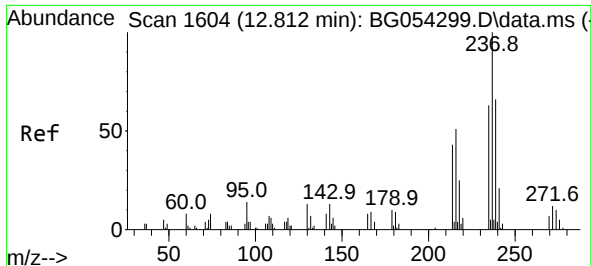


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.730 ng
RT: 12.836 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



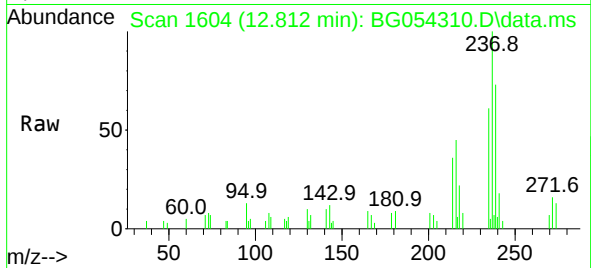
Tgt Ion:216 Resp: 21365
Ion Ratio Lower Upper
216 100
214 74.1 62.9 94.3
179 16.2 16.1 24.1
108 9.9 12.2 18.2#





#41
Hexachlorocyclopentadiene
Concen: 12.441 ng
RT: 12.812 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

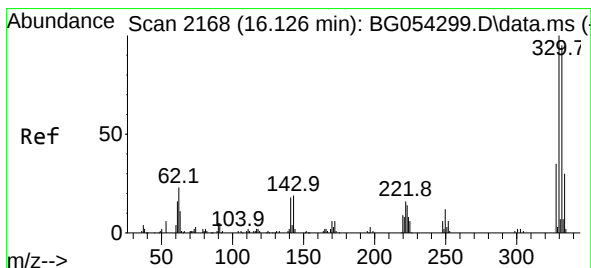
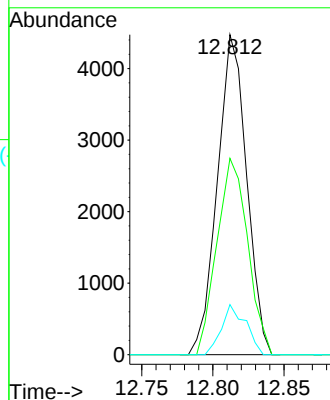
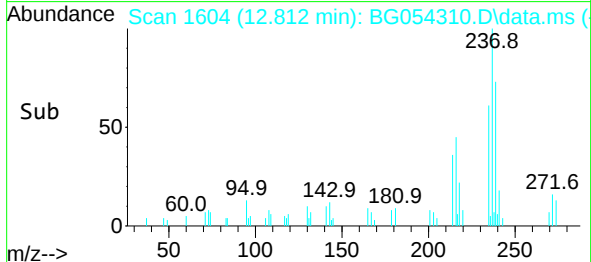
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



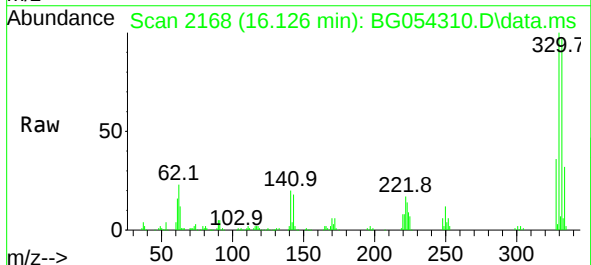
Tgt Ion:237 Resp: 6409
Ion Ratio Lower Upper
237 100
235 61.3 43.5 83.5
272 15.7 0.0 30.1

Manual Integrations
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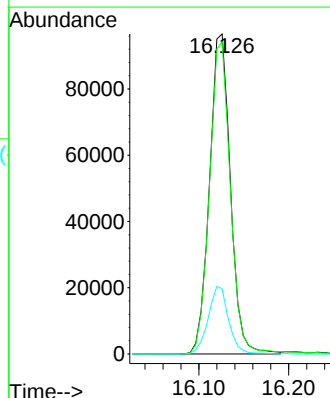
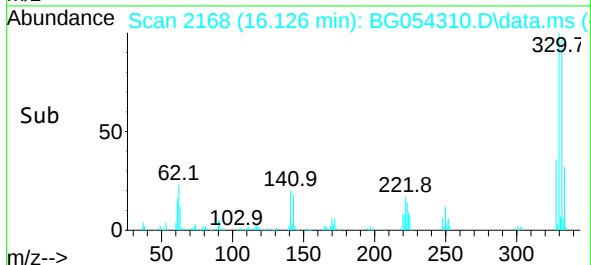
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

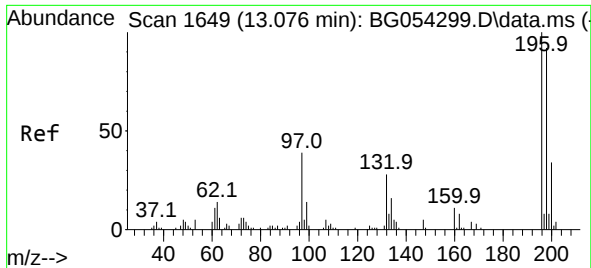


#42
2,4,6-Tribromophenol
Concen: 148.230 ng
RT: 16.126 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



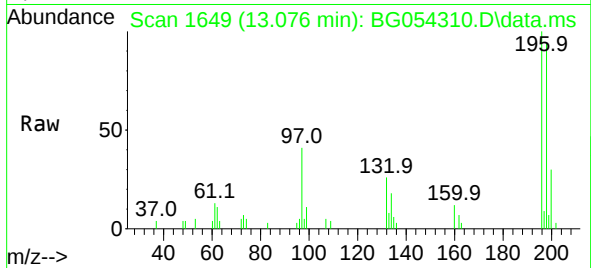
Tgt Ion:330 Resp: 155984
Ion Ratio Lower Upper
330 100
332 98.3 76.0 114.0
141 20.7 27.1 40.7#





#43
2,4,6-Trichlorophenol
Concen: 8.776 ng
RT: 13.076 min Scan# 1649
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

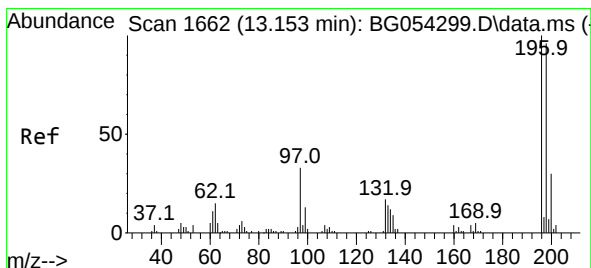
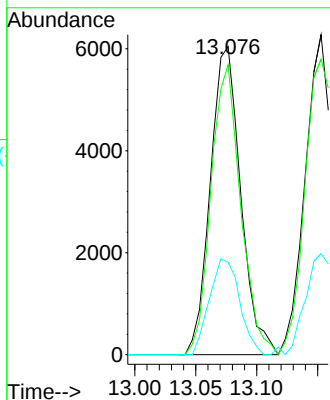
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



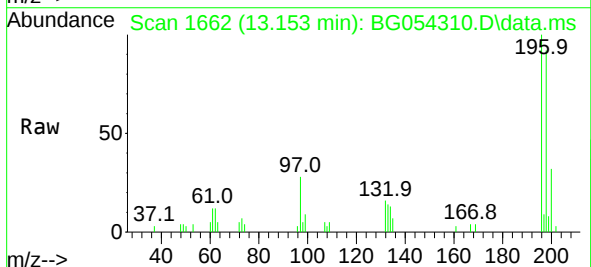
Tgt Ion:196 Resp: 10492
Ion Ratio Lower Upper
196 100
198 94.1 74.1 111.1
200 29.9 24.7 37.1

Manual Integrations
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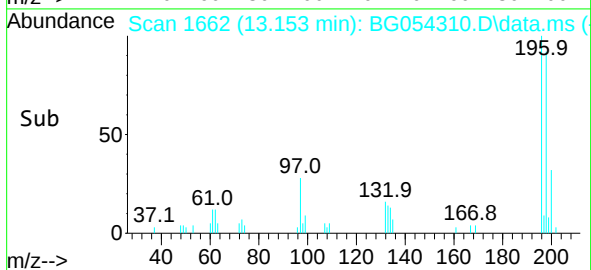
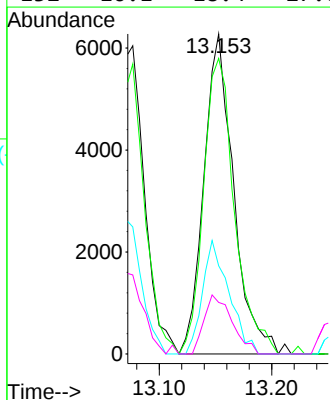
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

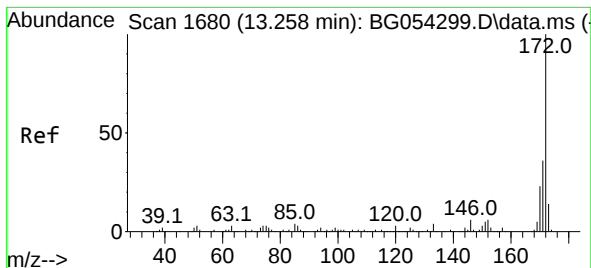


#44
2,4,5-Trichlorophenol
Concen: 8.554 ng m
RT: 13.153 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



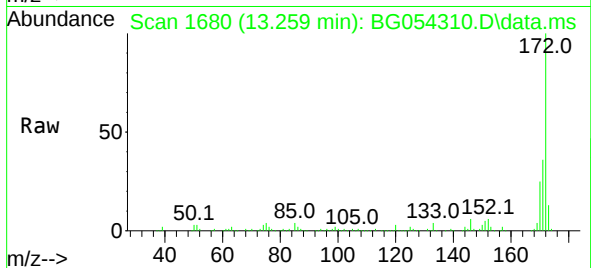
Tgt Ion:196 Resp: 11555
Ion Ratio Lower Upper
196 100
198 92.3 76.8 115.2
97 27.6 39.8 59.6#
132 16.1 18.4 27.6#





#45
2-Fluorobiphenyl
Concen: 83.233 ng
RT: 13.259 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

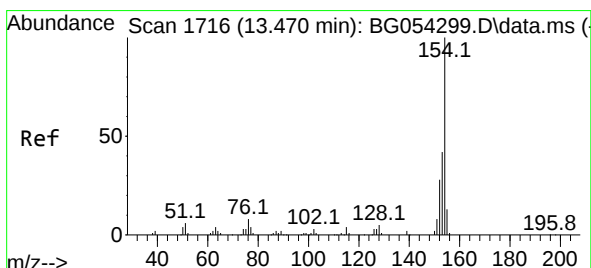
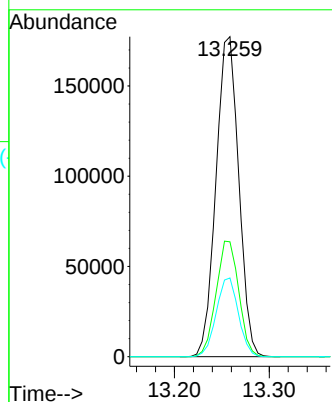
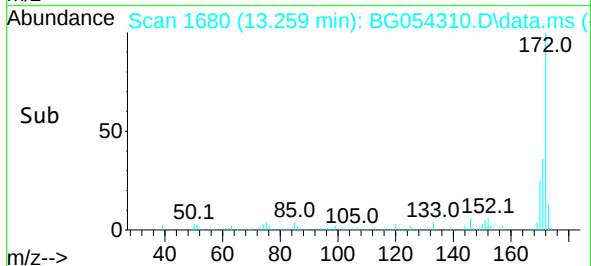
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:172 Resp: 295710
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 24.6 18.9 28.3

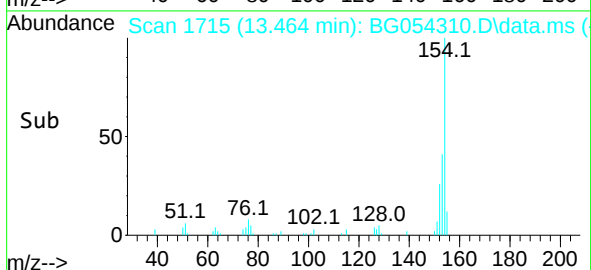
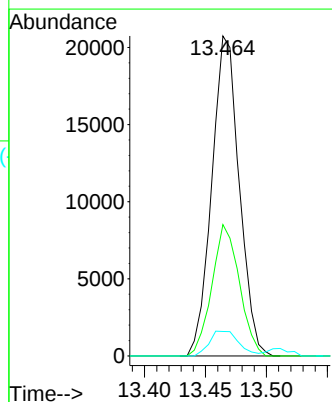
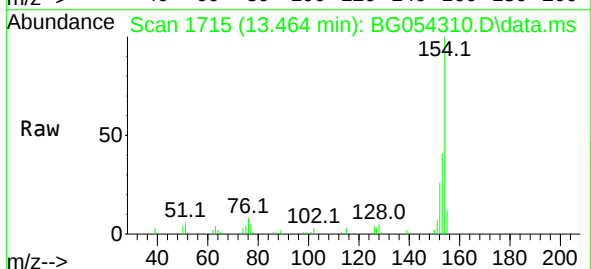
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#46
1,1'-Biphenyl
Concen: 9.473 ng
RT: 13.464 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

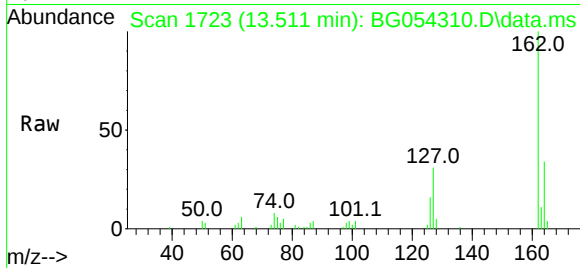
Tgt Ion:154 Resp: 32481
Ion Ratio Lower Upper
154 100
153 41.0 21.6 61.6
76 7.7 0.0 32.6





#47
2-Chloronaphthalene
Concen: 9.165 ng
RT: 13.511 min Scan# 1723
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

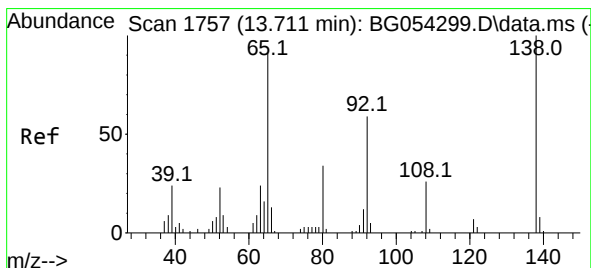
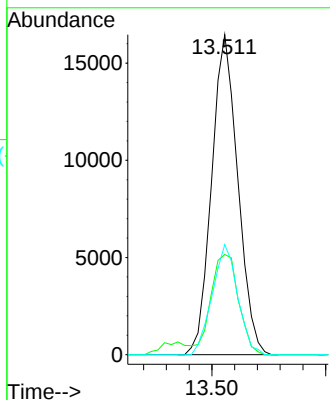
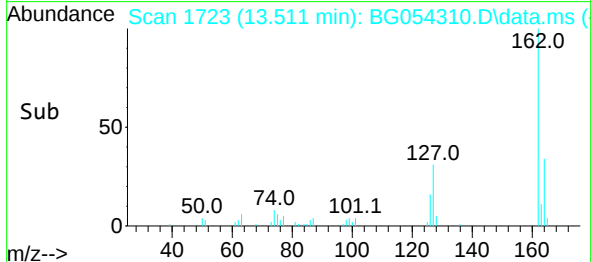
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



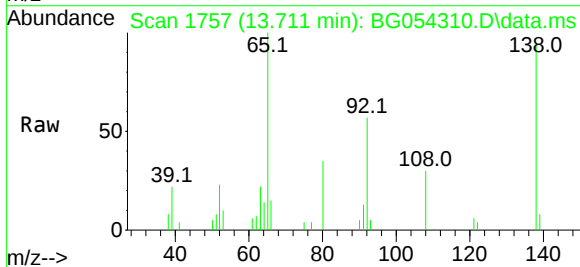
Tgt Ion:162 Resp: 26300
Ion Ratio Lower Upper
162 100
127 31.3 30.6 45.8
164 34.4 26.5 39.7

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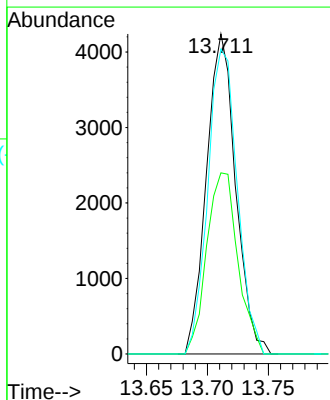
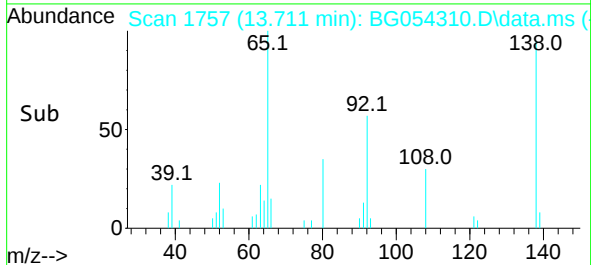
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

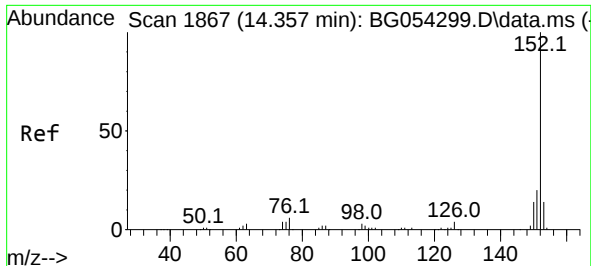


#48
2-Nitroaniline
Concen: 9.437 ng
RT: 13.711 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



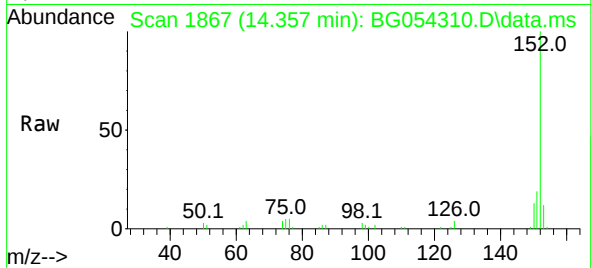
Tgt Ion: 65 Resp: 7067
Ion Ratio Lower Upper
65 100
92 56.6 51.5 77.3
138 95.2 71.3 106.9





#49
Acenaphthylene
Concen: 9.659 ng
RT: 14.357 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

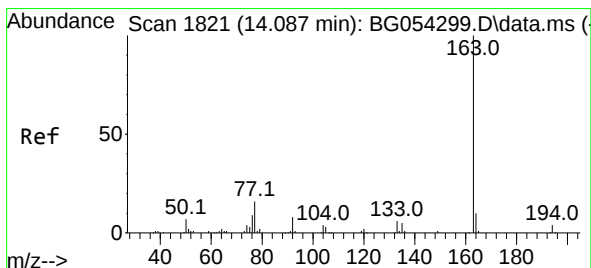
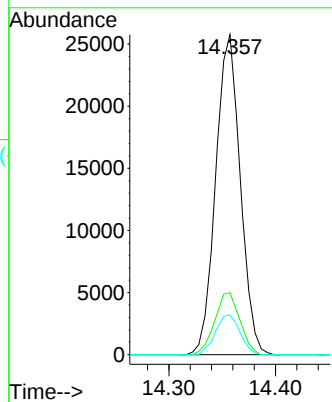
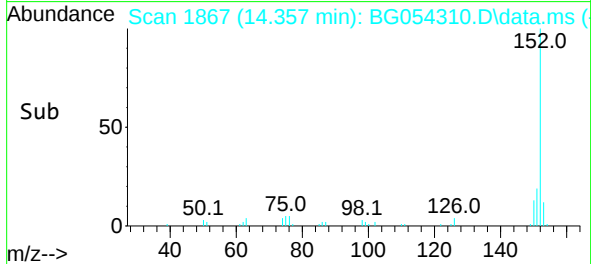
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



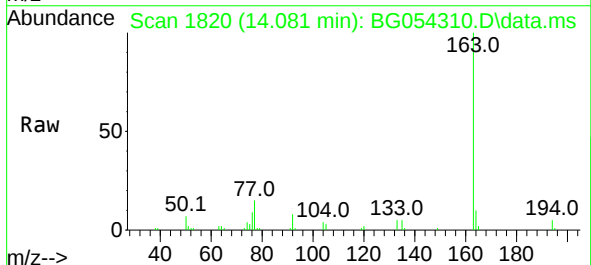
Tgt Ion:152 Resp: 4118
Ion Ratio Lower Upper
152 100
151 19.3 16.4 24.6
153 12.4 10.8 16.2

Manual Integrations
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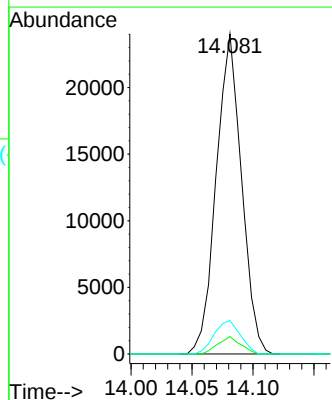
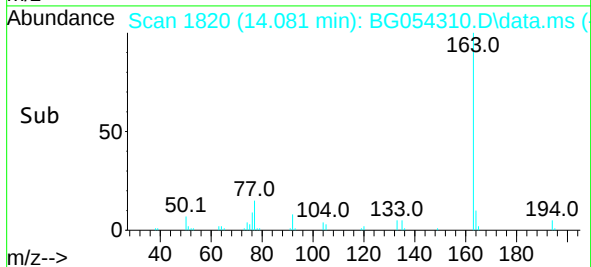
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#50
Dimethylphthalate
Concen: 8.858 ng
RT: 14.081 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



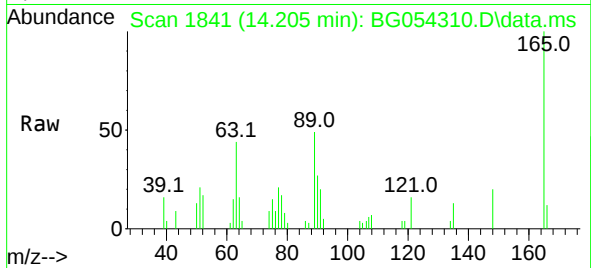
Tgt Ion:163 Resp: 34677
Ion Ratio Lower Upper
163 100
194 5.5 3.0 4.6#
164 10.4 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 9.192 ng
RT: 14.205 min Scan# 1841
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

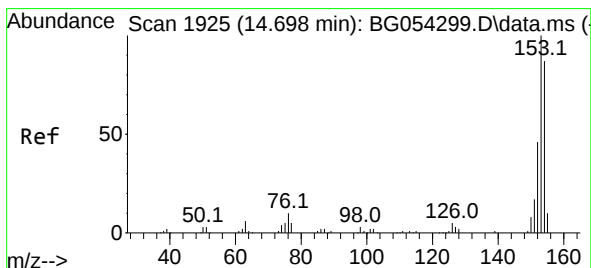
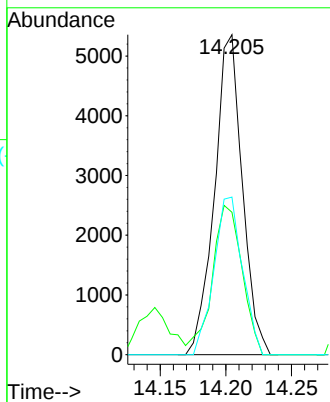
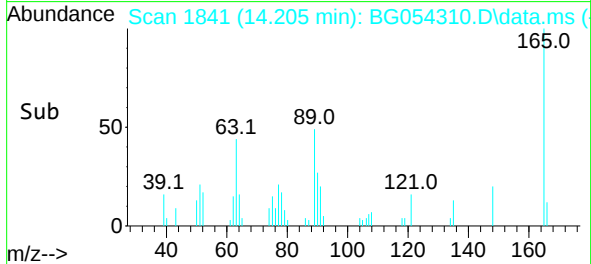
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



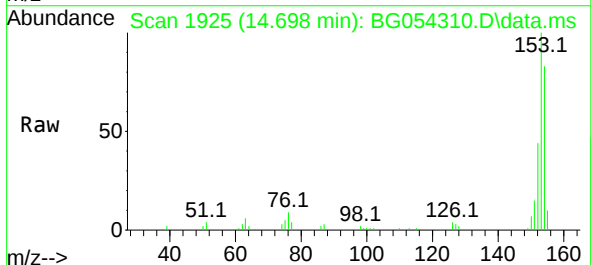
Tgt Ion:165 Resp: 789
Ion Ratio Lower Upper
165 100
63 44.5 54.1 81.1
89 49.3 54.8 82.2

Manual Integrations
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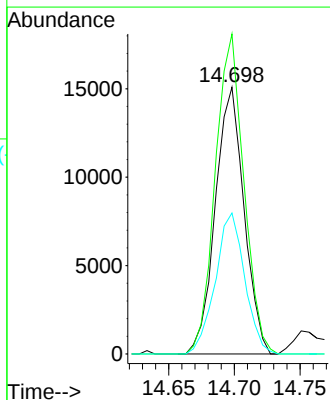
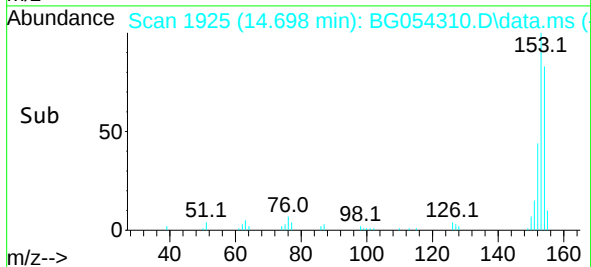
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

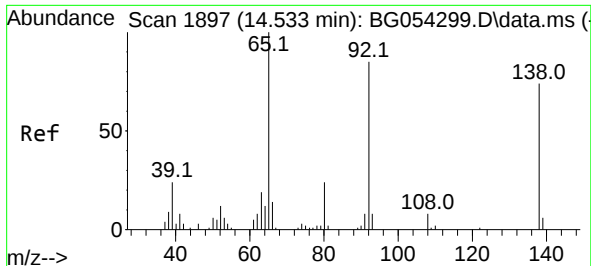


#52
Acenaphthene
Concen: 8.895 ng
RT: 14.698 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



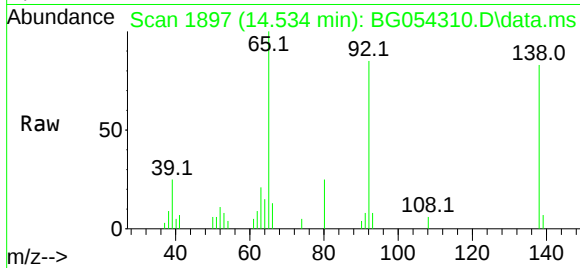
Tgt Ion:154 Resp: 22965
Ion Ratio Lower Upper
154 100
153 120.0 92.7 139.1
152 52.9 42.6 64.0





#53
3-Nitroaniline
Concen: 8.757 ng
RT: 14.534 min Scan# 1897
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

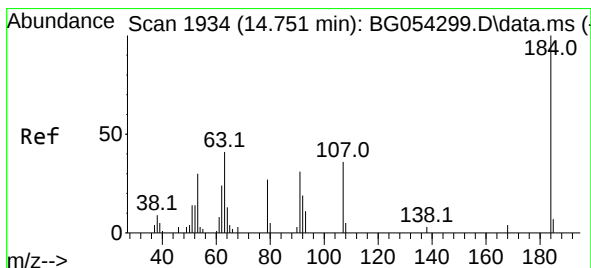
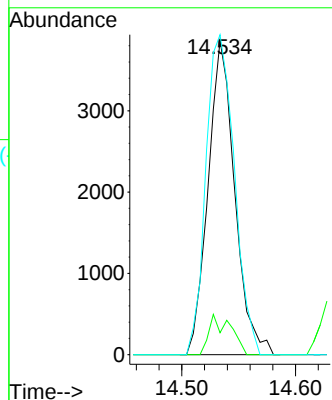
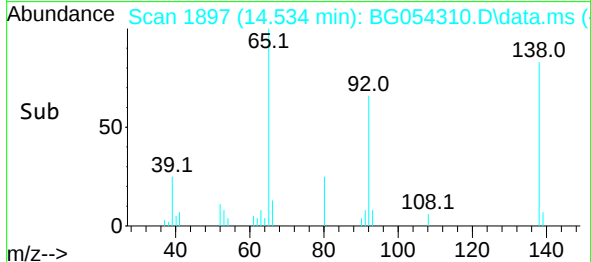
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



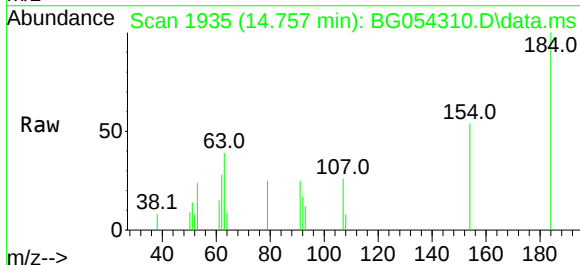
Tgt Ion:138 Resp: 6289
Ion Ratio Lower Upper
138 100
108 7.0 9.2 13.8#
92 101.8 101.9 152.9#

Manual Integrations
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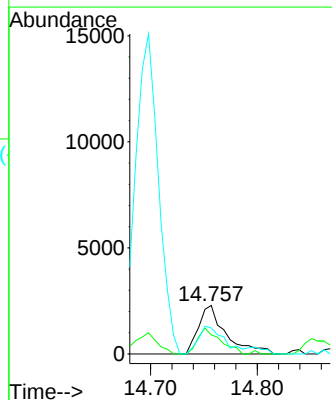
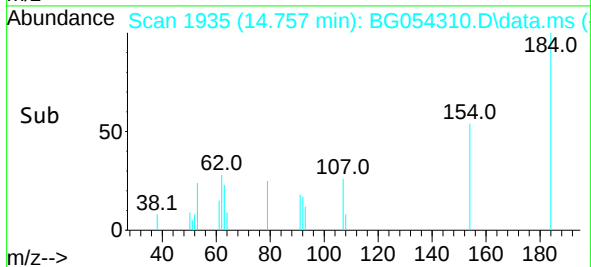
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

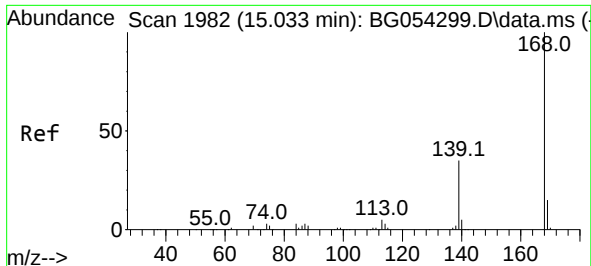


#54
2,4-Dinitrophenol
Concen: 9.734 ng
RT: 14.757 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



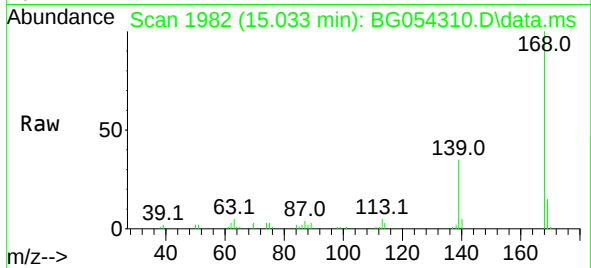
Tgt Ion:184 Resp: 4061
Ion Ratio Lower Upper
184 100
63 39.2 61.1 91.7#
154 54.0 60.6 91.0#





#55
Dibenzenofuran
Concen: 9.088 ng
RT: 15.033 min Scan# 1982
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

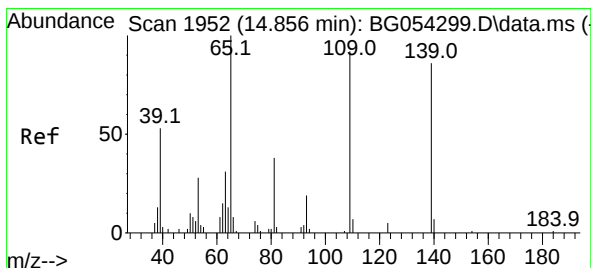
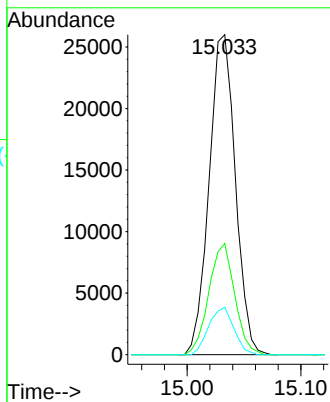
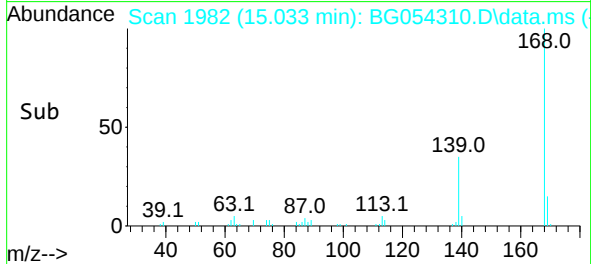
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



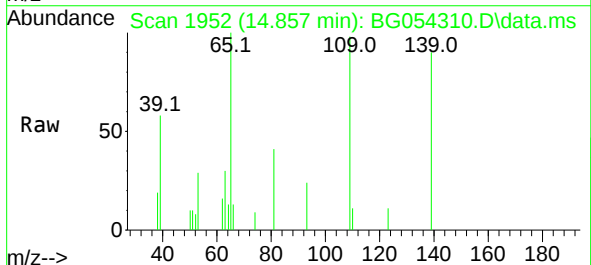
Tgt Ion:168 Resp: 41752
Ion Ratio Lower Upper
168 100
139 34.8 30.5 45.7
169 14.9 10.3 15.5

Manual Integrations
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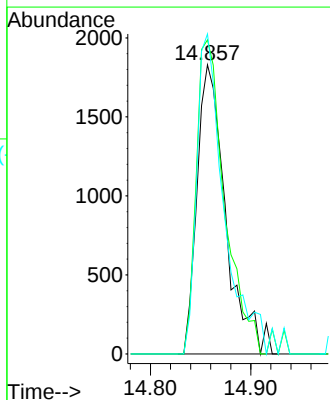
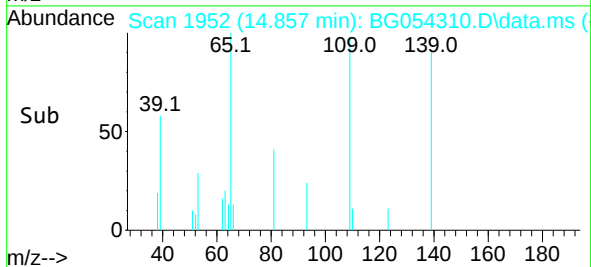
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

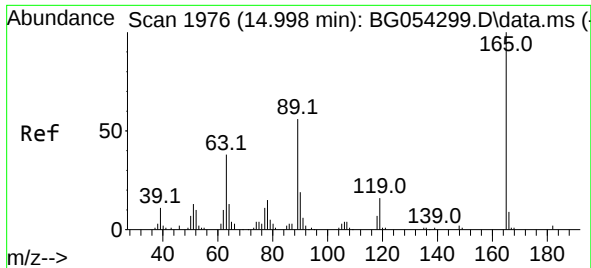


#56
4-Nitrophenol
Concen: 7.583 ng
RT: 14.857 min Scan# 1952
Delta R.T. 0.001 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



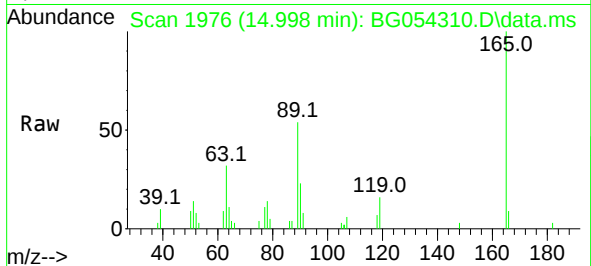
Tgt Ion:139 Resp: 3633
Ion Ratio Lower Upper
139 100
109 108.6 88.5 128.5
65 110.7 93.9 133.9





#57
2,4-Dinitrotoluene
Concen: 8.793 ng
RT: 14.998 min Scan# 1976
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

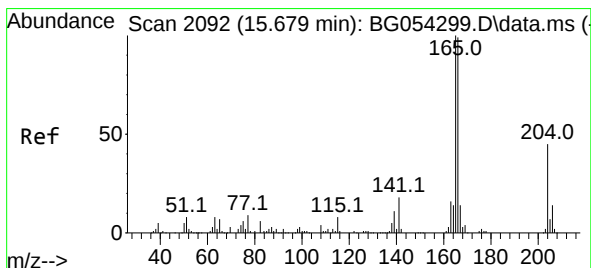
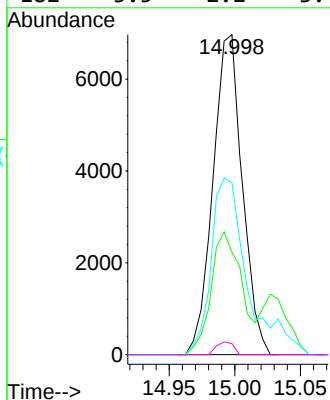
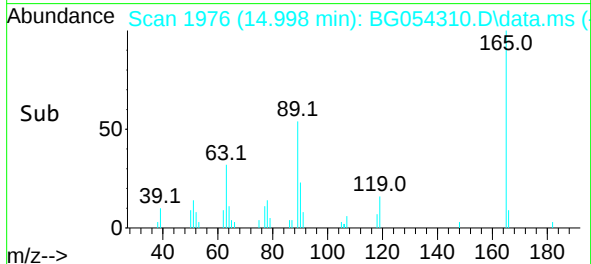
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:165 Resp: 10824
Ion Ratio Lower Upper
165 100
63 32.0 34.6 52.0
89 53.7 60.3 90.5
182 3.5 2.2 3.4#

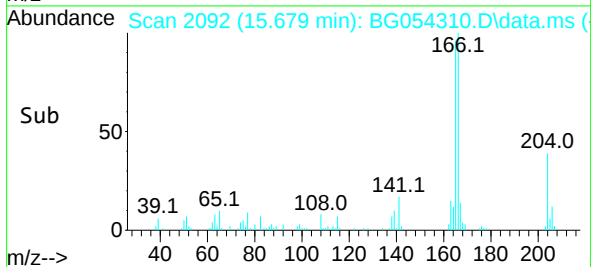
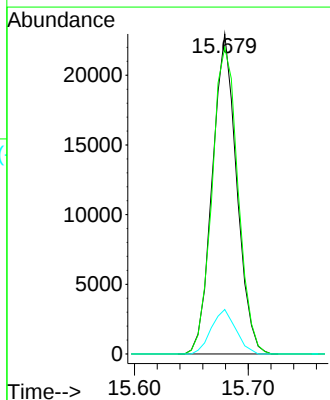
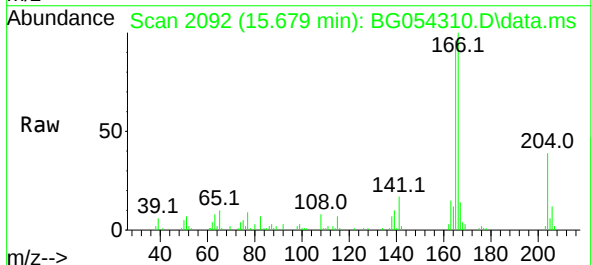
Manual Integrations
APPROVED

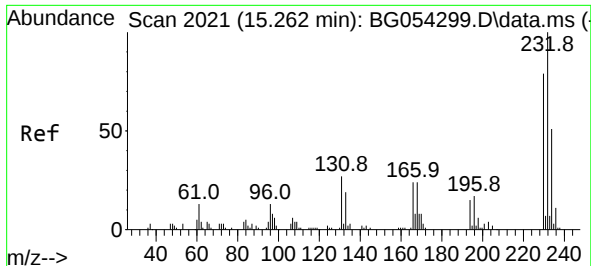
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#58
Fluorene
Concen: 9.056 ng
RT: 15.679 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

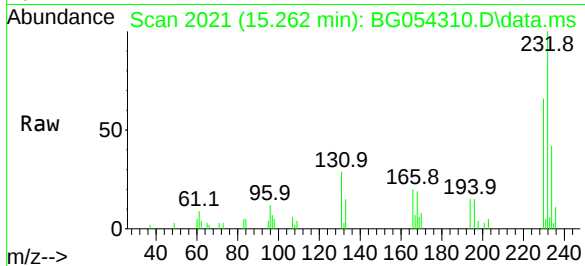
Tgt Ion:166 Resp: 34206
Ion Ratio Lower Upper
166 100
165 95.8 75.0 112.6
167 13.9 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.151 ng
RT: 15.262 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

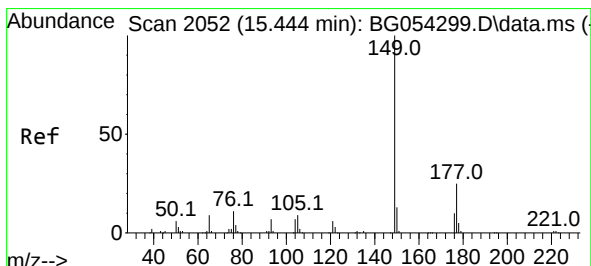
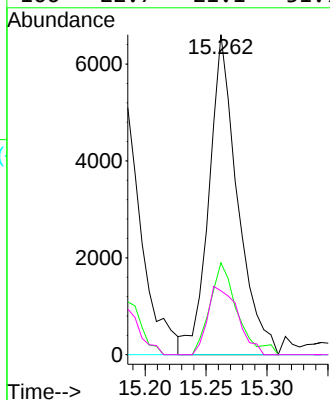
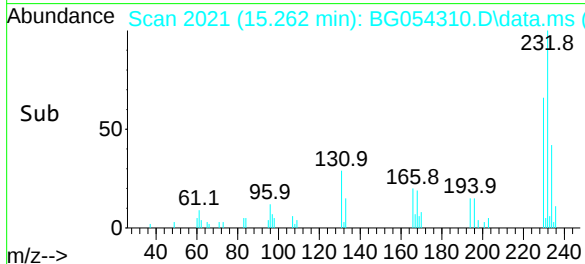
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



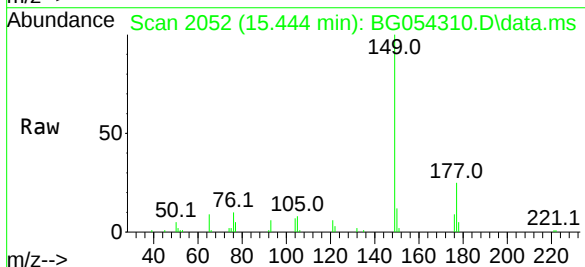
Tgt Ion:232 Resp: 10720
Ion Ratio Lower Upper
232 100
131 27.5 30.6 46.0
130 0.0 1.8 2.8
166 22.7 21.1 31.7

Manual Integrations
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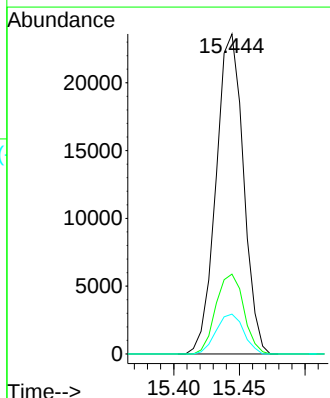
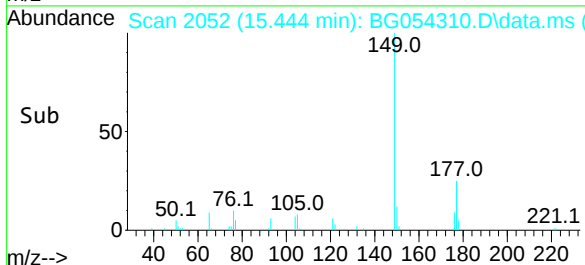
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

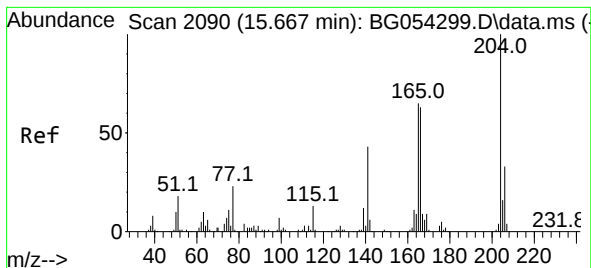


#60
Diethylphthalate
Concen: 9.120 ng
RT: 15.444 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



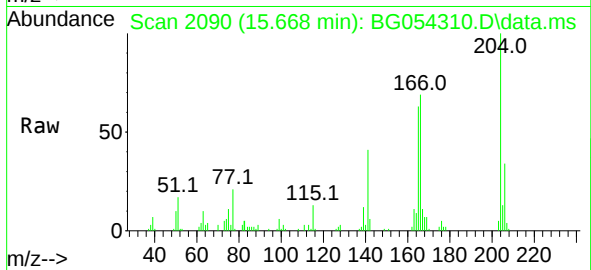
Tgt Ion:149 Resp: 34251
Ion Ratio Lower Upper
149 100
177 25.0 18.4 27.6
150 12.4 11.2 16.8





#61
4-Chlorophenyl-phenylether
Concen: 9.651 ng
RT: 15.668 min Scan# 2090
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

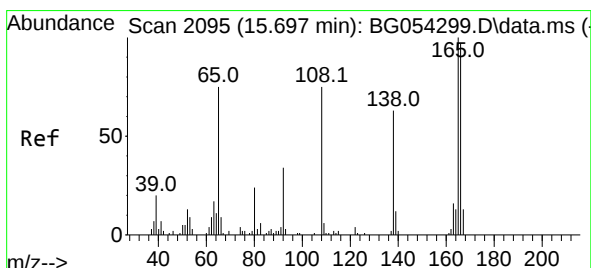
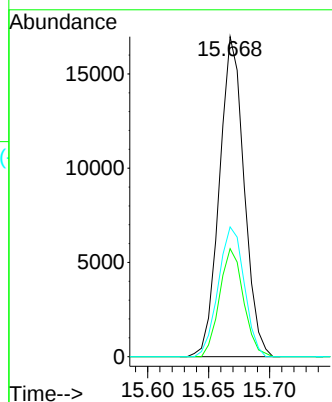
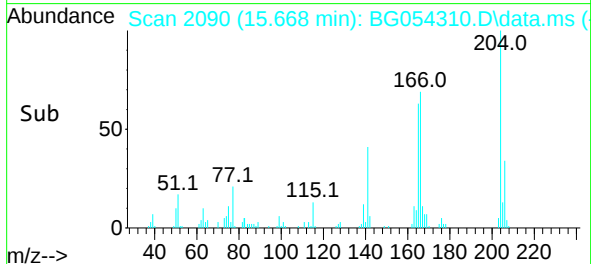
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:204 Resp: 23929
Ion Ratio Lower Upper
204 100
206 33.7 27.5 41.3
141 40.6 45.3 67.9

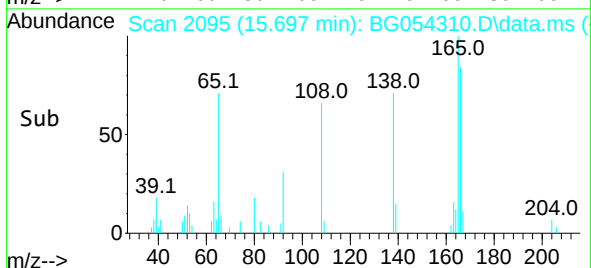
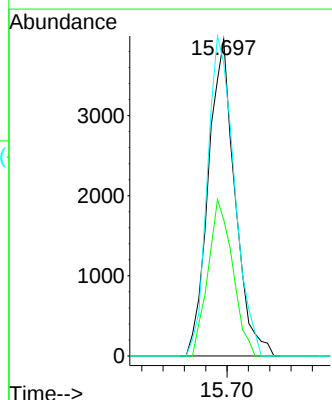
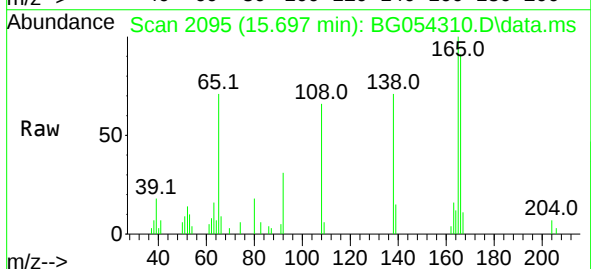
Manual Integrations
APPROVED

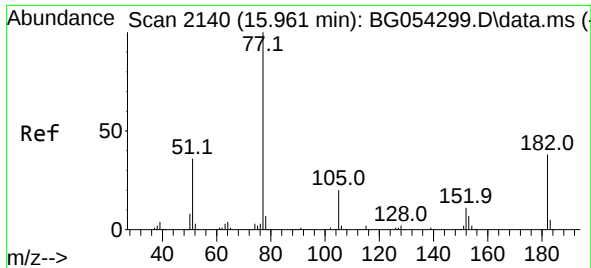
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#62
4-Nitroaniline
Concen: 9.072 ng
RT: 15.697 min Scan# 2095
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

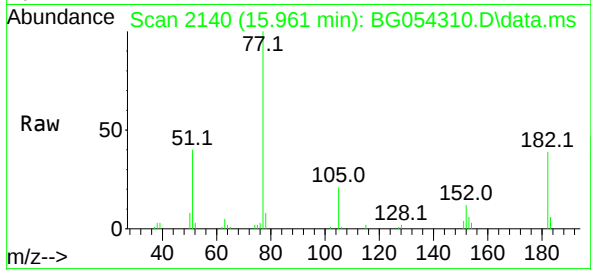
Tgt Ion:138 Resp: 6845
Ion Ratio Lower Upper
138 100
92 43.1 40.5 80.5
108 92.6 103.7 143.7#





#63
 Azobenzene
 Concen: 8.875 ng
 RT: 15.961 min Scan# 2140
 Delta R.T. 0.000 min
 Lab File: BG054310.D
 Acq: 18 Jul 2022 13:05

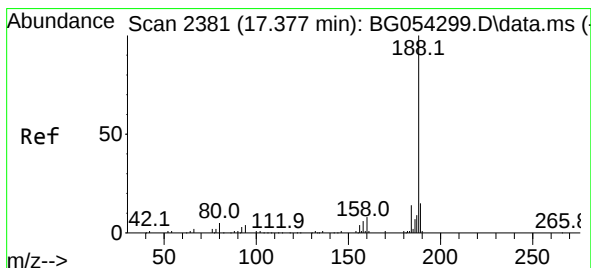
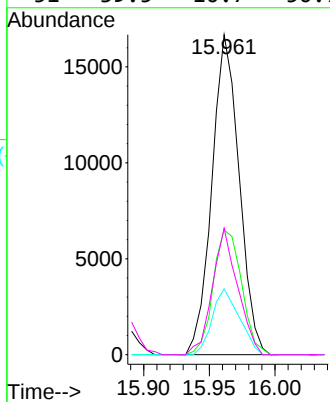
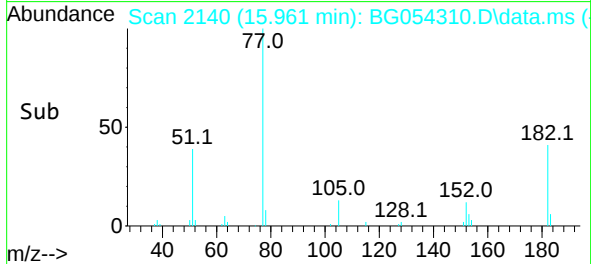
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022



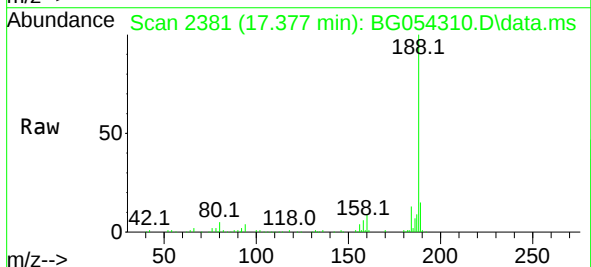
Tgt Ion: 77 Resp: 2408
 Ion Ratio Lower Upper
 77 100
 182 39.0 3.8 43.8
 105 20.6 0.0 37.8
 51 39.5 10.7 50.7

Manual Integrations
 APPROVED

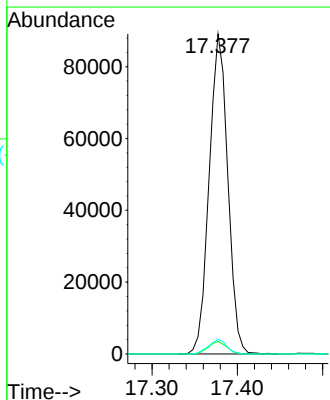
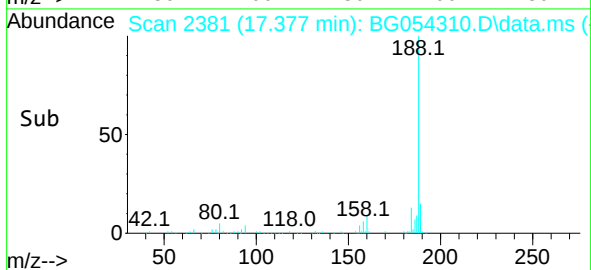
Reviewed By :Christian Giraldo 07/19/2022
 Supervised By :Jagrut Upadhyay 07/19/2022

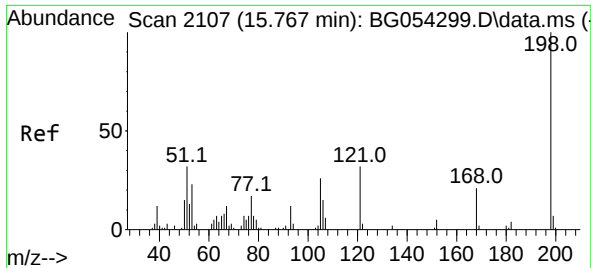


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.377 min Scan# 2381
 Delta R.T. 0.000 min
 Lab File: BG054310.D
 Acq: 18 Jul 2022 13:05



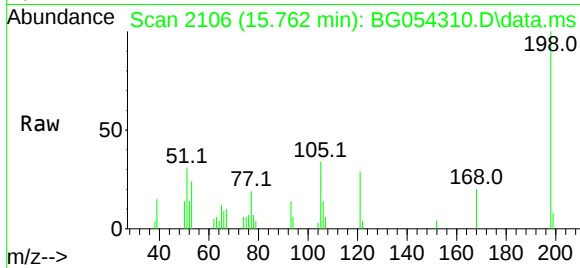
Tgt Ion:188 Resp: 135246
 Ion Ratio Lower Upper
 188 100
 94 3.9 5.4 8.0#
 80 4.6 6.8 10.2#





#65
4,6-Dinitro-2-methylphenol
Concen: 9.334 ng
RT: 15.762 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

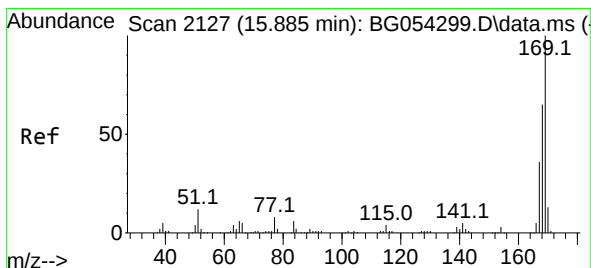
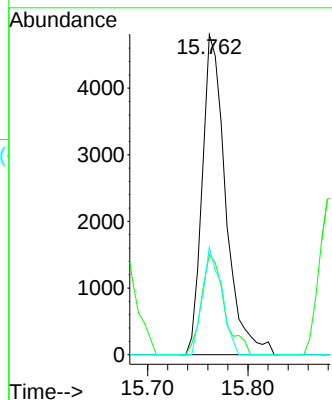
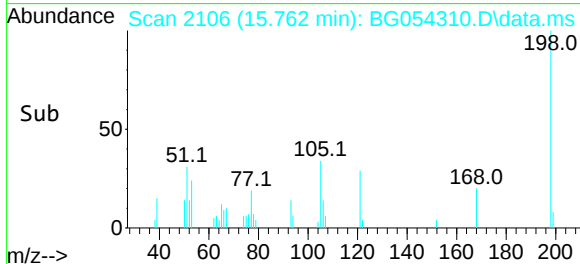
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



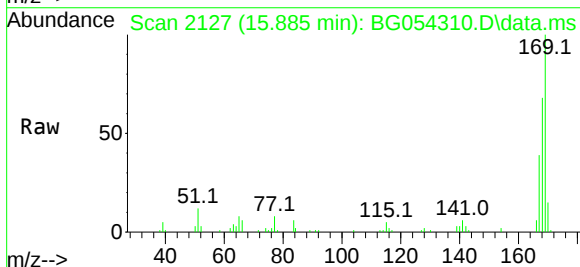
Tgt Ion:198 Resp: 7799
Ion Ratio Lower Upper
198 100
51 31.3 28.1 68.1
105 33.6 20.3 60.3

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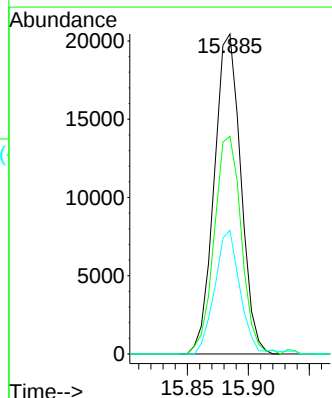
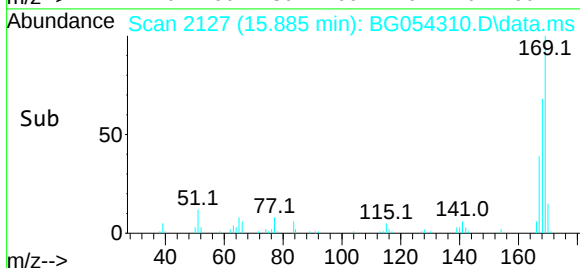
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#66
n-Nitrosodiphenylamine
Concen: 9.171 ng
RT: 15.885 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



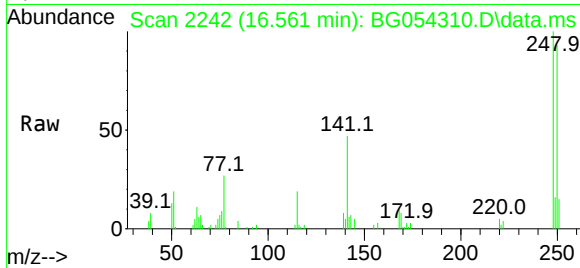
Tgt Ion:169 Resp: 30969
Ion Ratio Lower Upper
169 100
168 68.0 55.9 83.9
167 38.6 30.6 46.0





#67
4-Bromophenyl-phenylether
Concen: 9.242 ng
RT: 16.561 min Scan# 211
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

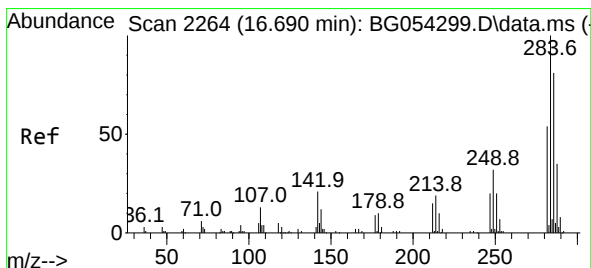
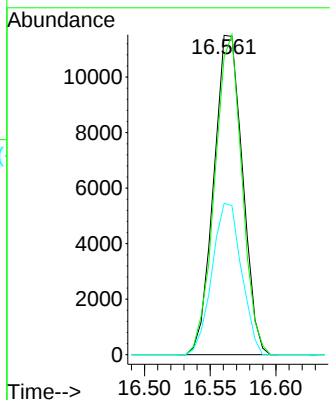
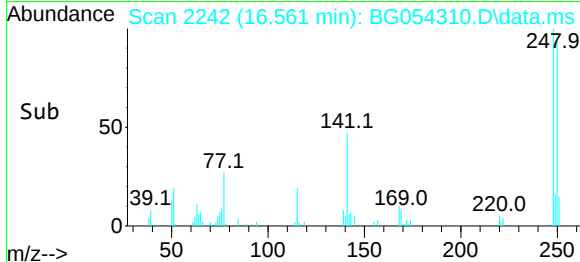
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



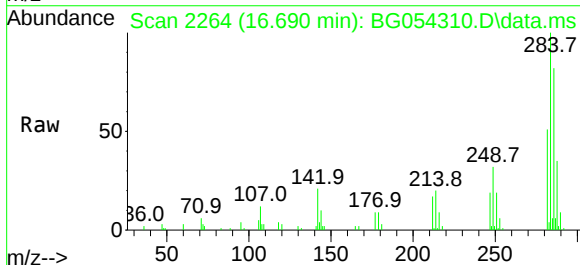
Tgt Ion:248 Resp: 1755
Ion Ratio Lower Upper
248 100
250 93.2 75.2 112.8
141 47.4 50.0 75.0

Manual Integrations
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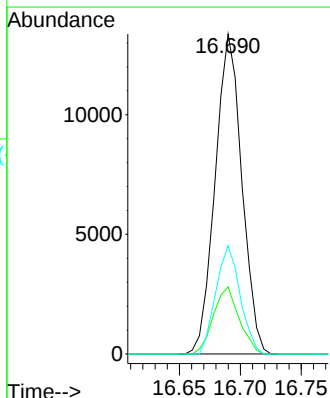
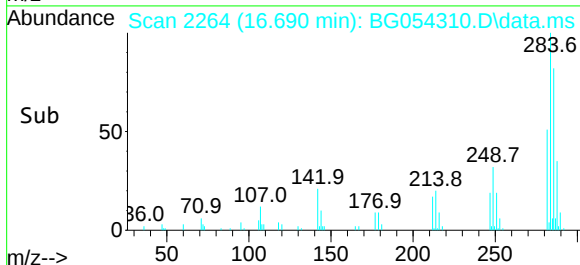
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

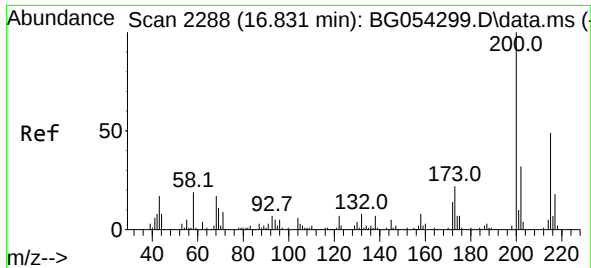


#68
Hexachlorobenzene
Concen: 9.365 ng
RT: 16.690 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



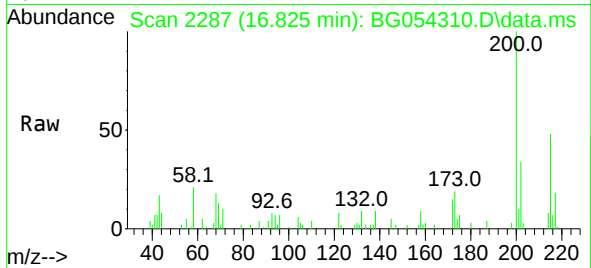
Tgt Ion:284 Resp: 20342
Ion Ratio Lower Upper
284 100
142 21.0 23.6 35.4#
249 33.8 25.8 38.6





#69
 Atrazine
 Concen: 10.444 ng
 RT: 16.825 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054310.D
 Acq: 18 Jul 2022 13:05

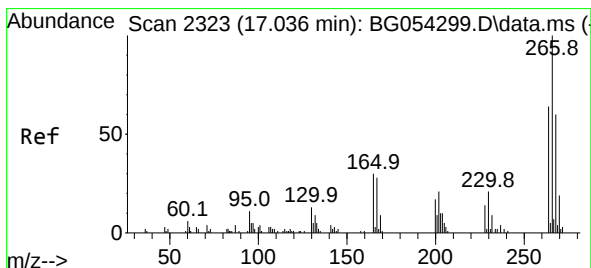
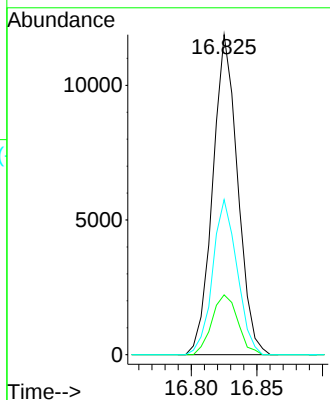
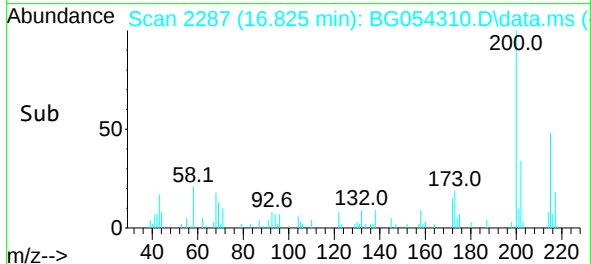
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022



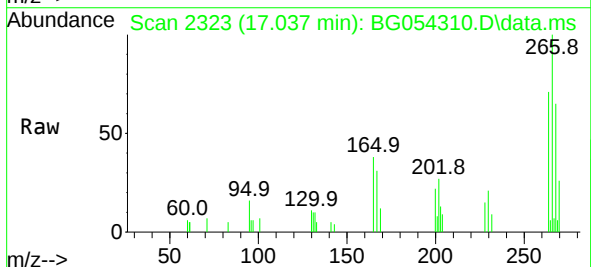
Tgt Ion:200 Resp: 1569
 Ion Ratio Lower Upper
 200 100
 173 18.7 3.7 43.7
 215 48.4 25.2 65.2

Manual Integrations
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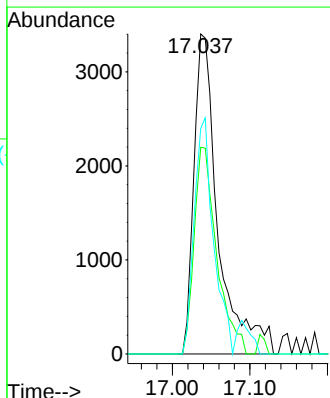
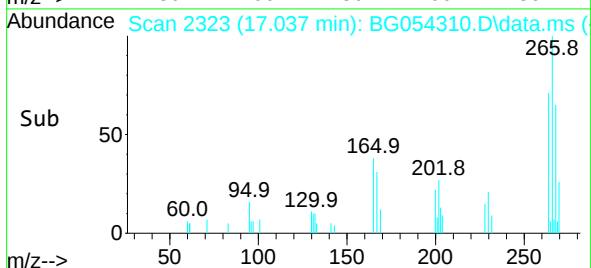
Reviewed By :Christian Giraldo 07/19/2022
 Supervised By :Jagrut Upadhyay 07/19/2022

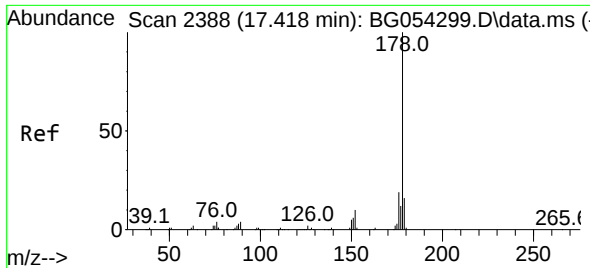


#70
 Pentachlorophenol
 Concen: 8.672 ng
 RT: 17.037 min Scan# 2323
 Delta R.T. 0.001 min
 Lab File: BG054310.D
 Acq: 18 Jul 2022 13:05



Tgt Ion:266 Resp: 7371
 Ion Ratio Lower Upper
 266 100
 268 64.6 56.2 84.2
 264 70.6 53.0 79.4





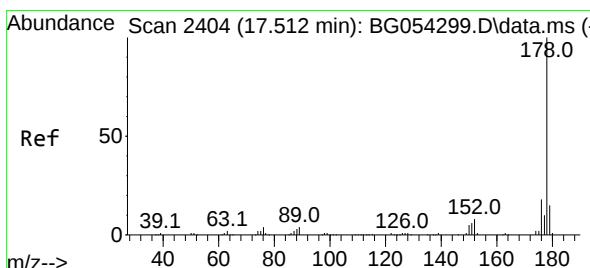
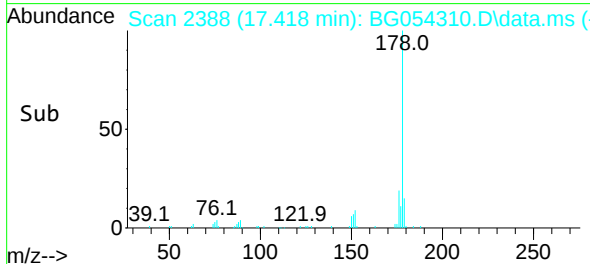
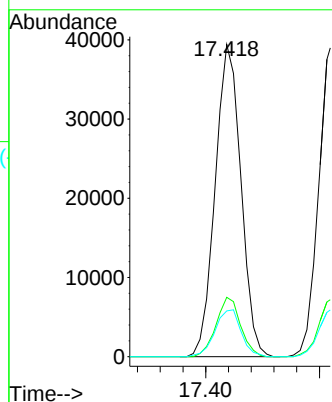
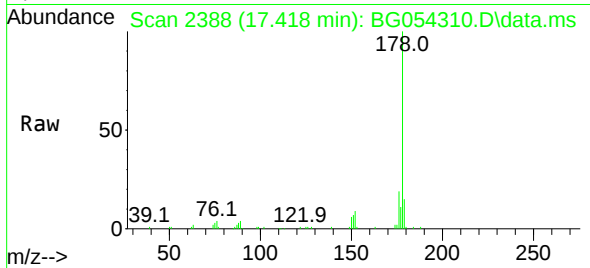
#71
Phenanthrene
Concen: 9.173 ng
RT: 17.418 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:178 Resp: 6178
Ion Ratio Lower Upper
178 100
176 19.0 14.1 21.1
179 14.7 12.1 18.1

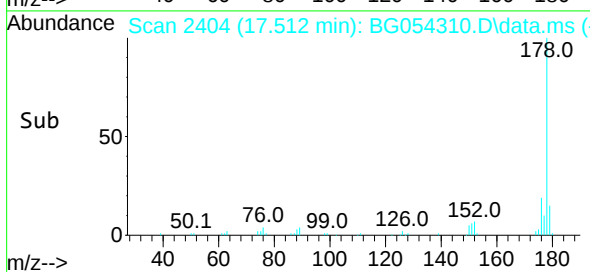
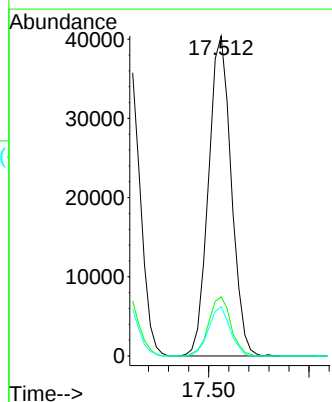
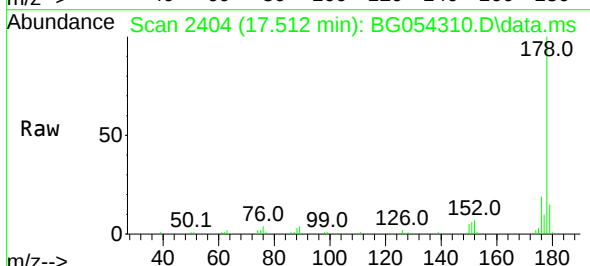
Manual Integrations
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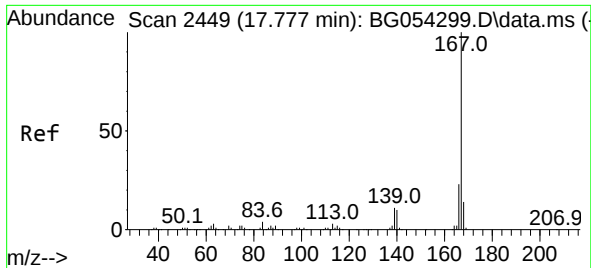
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#72
Anthracene
Concen: 9.646 ng
RT: 17.512 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

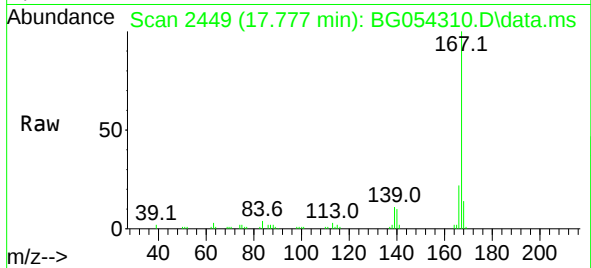
Tgt Ion:178 Resp: 63754
Ion Ratio Lower Upper
178 100
176 18.5 15.2 22.8
179 15.4 13.0 19.4





#73
 Carbazole
 Concen: 9.586 ng
 RT: 17.777 min Scan# 2449
 Delta R.T. 0.000 min
 Lab File: BG054310.D
 Acq: 18 Jul 2022 13:05

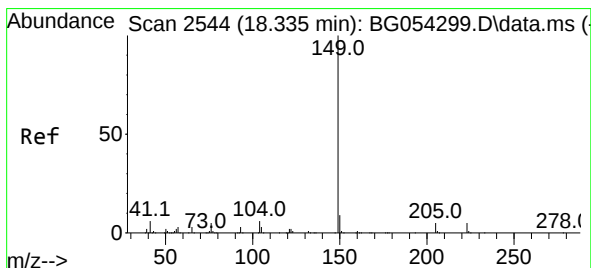
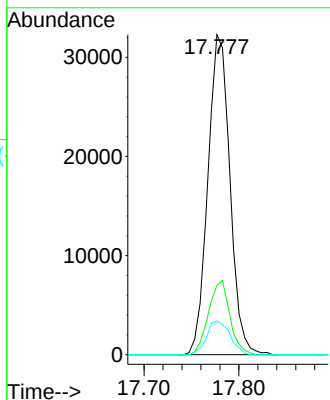
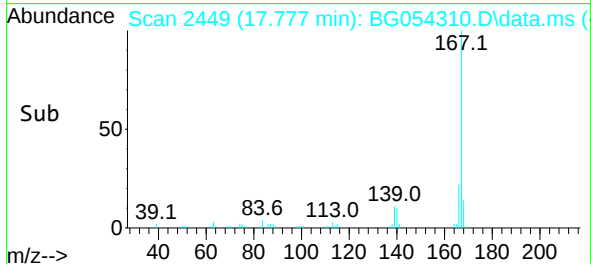
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022



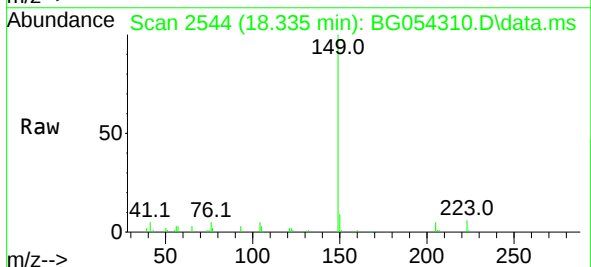
Tgt Ion:167 Resp: 5216
 Ion Ratio Lower Upper
 167 100
 166 21.7 18.2 27.2
 139 10.6 10.1 15.1

Manual Integrations
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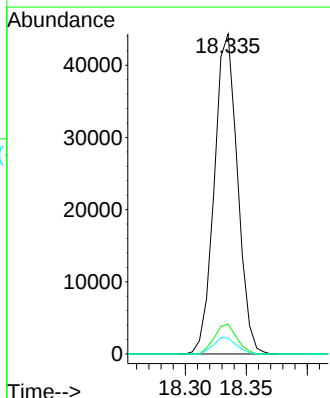
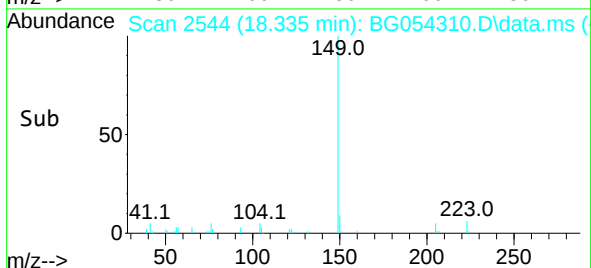
Reviewed By :Christian Giraldo 07/19/2022
 Supervised By :Jagrut Upadhyay 07/19/2022

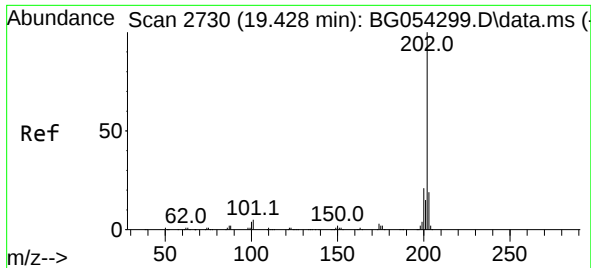


#74
 Di-n-butylphthalate
 Concen: 9.146 ng
 RT: 18.335 min Scan# 2544
 Delta R.T. 0.000 min
 Lab File: BG054310.D
 Acq: 18 Jul 2022 13:05



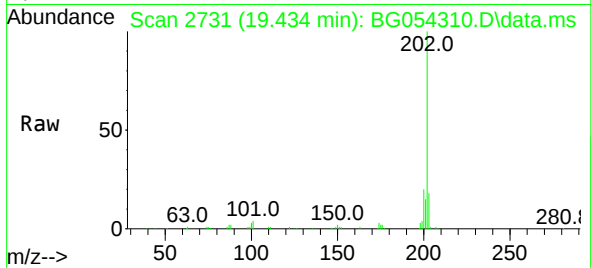
Tgt Ion:149 Resp: 58731
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.7 11.5
 104 5.0 5.4 8.0#





#75
Fluoranthene
Concen: 9.434 ng
RT: 19.434 min Scan# 2731
Delta R.T. 0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

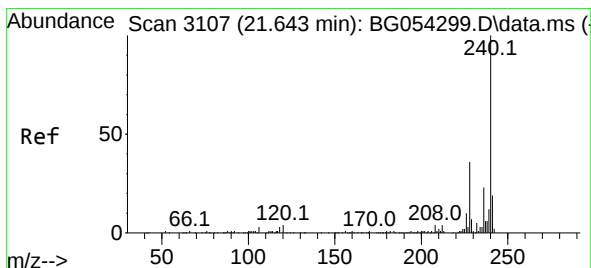
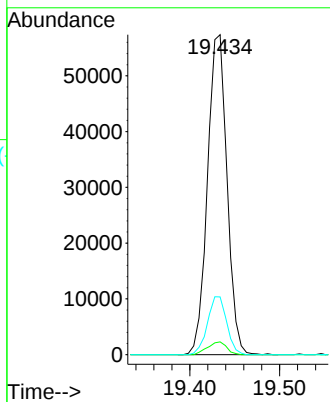
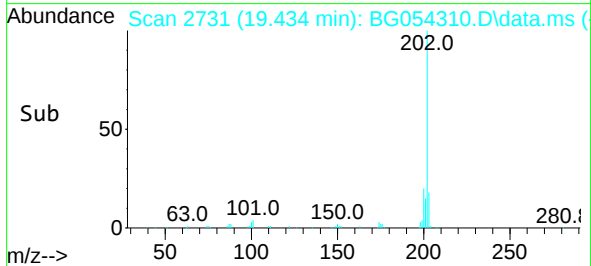
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



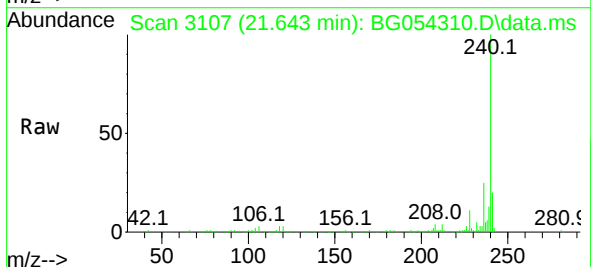
Tgt Ion:202 Resp: 86612
Ion Ratio Lower Upper
202 100
101 4.0 0.0 26.9
203 18.1 0.0 37.2

Manual Integrations
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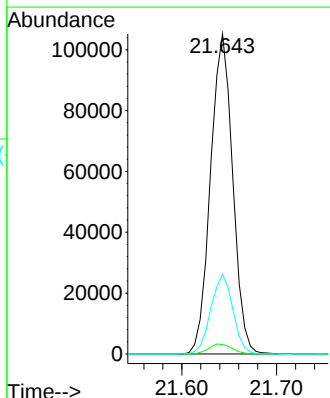
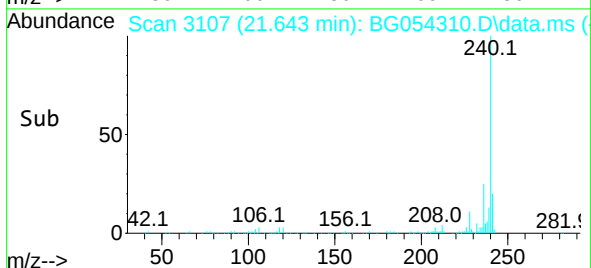
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

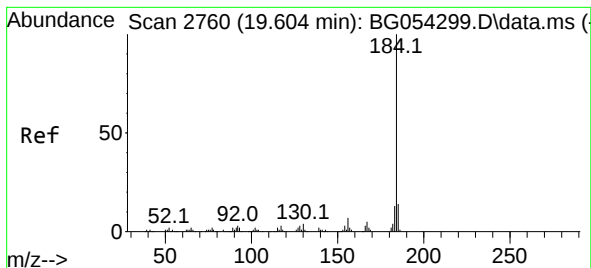


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.643 min Scan# 3107
Delta R.T. -0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



Tgt Ion:240 Resp: 170568
Ion Ratio Lower Upper
240 100
120 2.9 4.6 7.0#
236 25.0 20.2 30.4





#77

Benzidine

Concen: 11.975 ng

RT: 19.604 min Scan# 2760

Delta R.T. 0.000 min

Lab File: BG054310.D

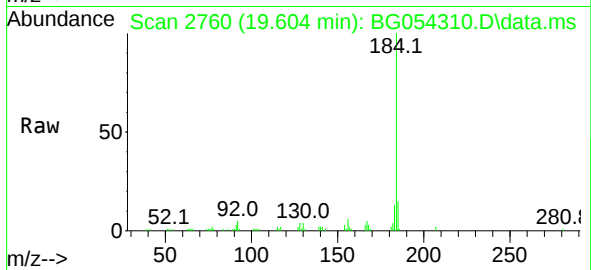
Acq: 18 Jul 2022 13:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2022

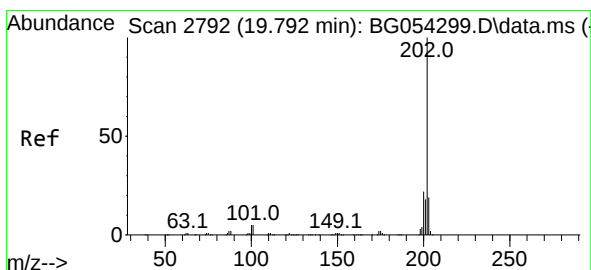
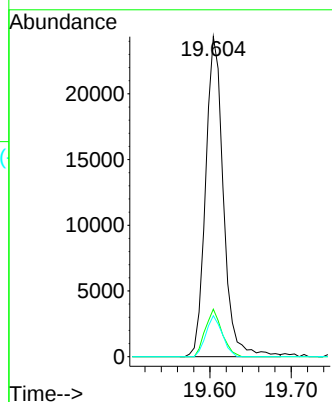


Tgt Ion:184	Resp:	3699
Ion Ratio	Lower	Upper
184	100	
185	14.9	11.8 17.6
183	12.8	8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#78

Pyrene

Concen: 8.891 ng

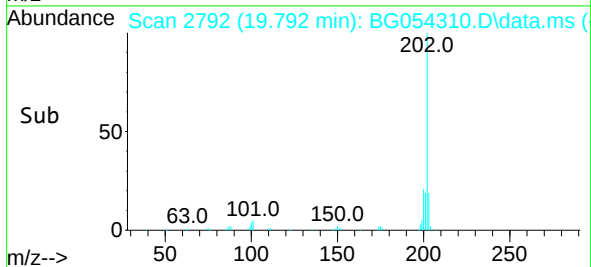
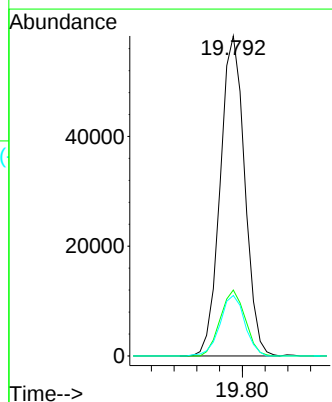
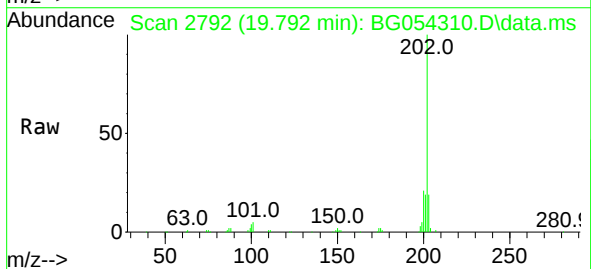
RT: 19.792 min Scan# 2792

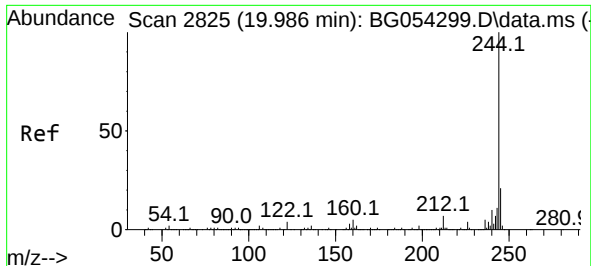
Delta R.T. 0.000 min

Lab File: BG054310.D

Acq: 18 Jul 2022 13:05

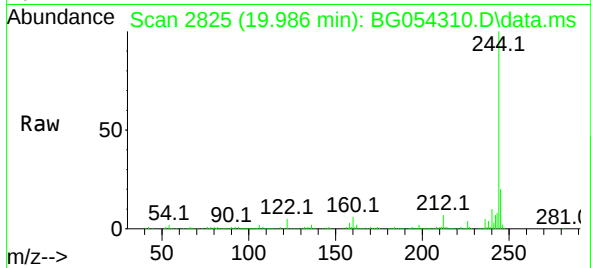
Tgt Ion:202	Resp:	87019
Ion Ratio	Lower	Upper
202	100	
200	20.6	16.6 24.8
203	18.9	14.6 21.8





#79
 Terphenyl-d14
 Concen: 83.810 ng
 RT: 19.986 min Scan# 2825
 Delta R.T. 0.000 min
 Lab File: BG054310.D
 Acq: 18 Jul 2022 13:05

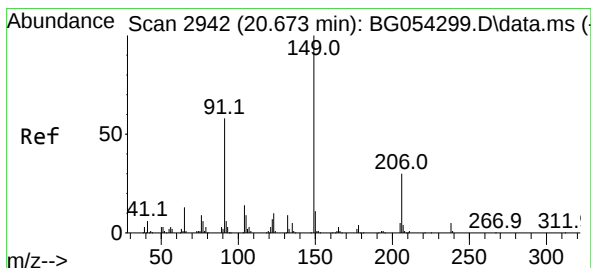
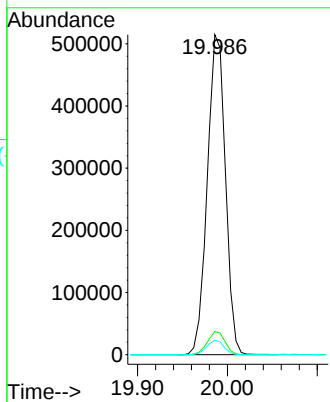
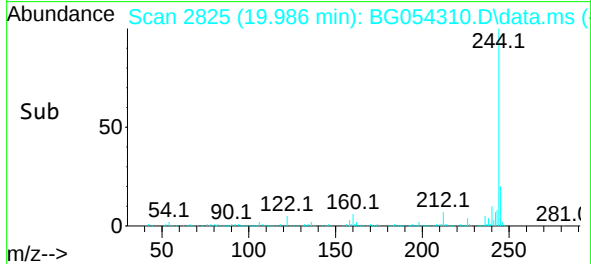
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022



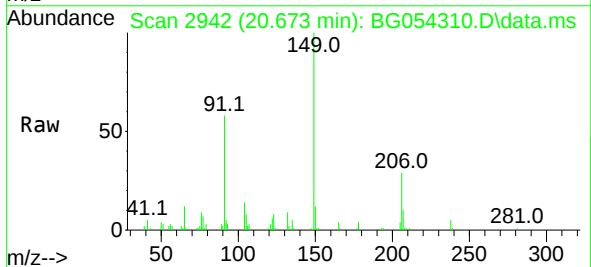
Tgt Ion:244 Resp: 720599
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.5 5.0 7.4

Manual Integrations
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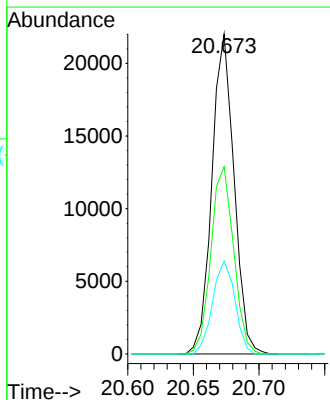
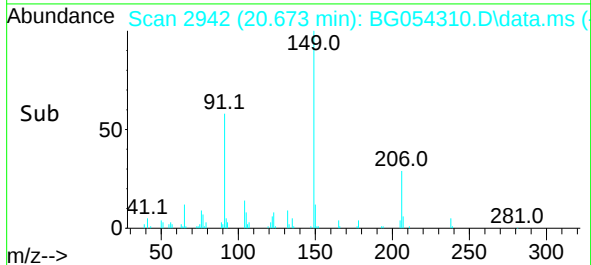
Reviewed By :Christian Giraldo 07/19/2022
 Supervised By :Jagrut Upadhyay 07/19/2022

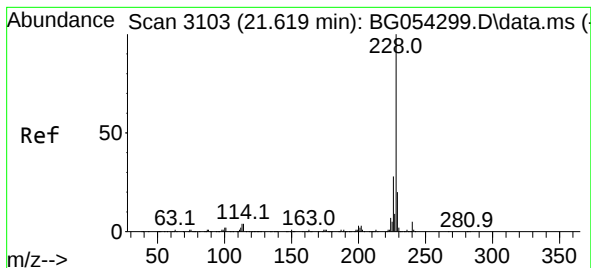


#80
 Butylbenzylphthalate
 Concen: 8.465 ng
 RT: 20.673 min Scan# 2942
 Delta R.T. 0.000 min
 Lab File: BG054310.D
 Acq: 18 Jul 2022 13:05



Tgt Ion:149 Resp: 25817
 Ion Ratio Lower Upper
 149 100
 91 58.5 59.6 89.4#
 206 29.0 18.6 28.0#





#81

Benzo(a)anthracene

Concen: 9.126 ng

RT: 21.625 min Scan# 3104

Delta R.T. 0.006 min

Lab File: BG054310.D

Acq: 18 Jul 2022 13:05

Instrument :

BNA_G

ClientSampleId :

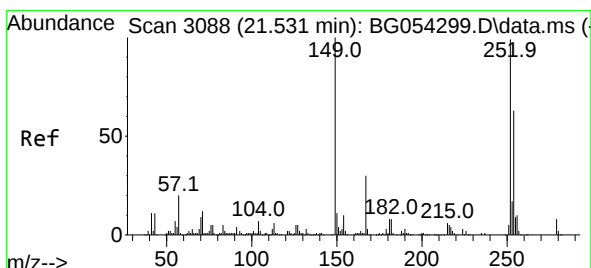
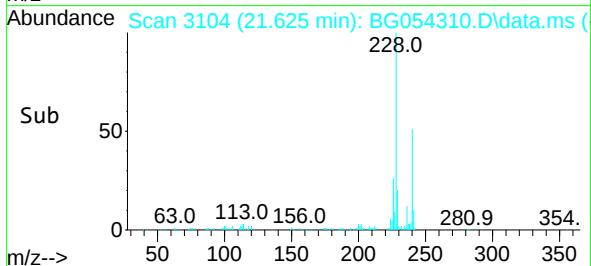
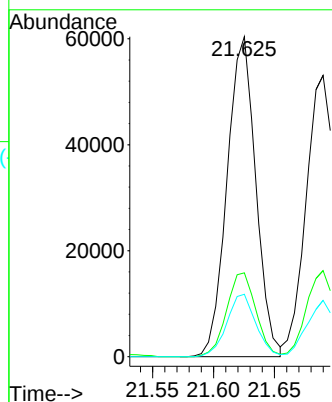
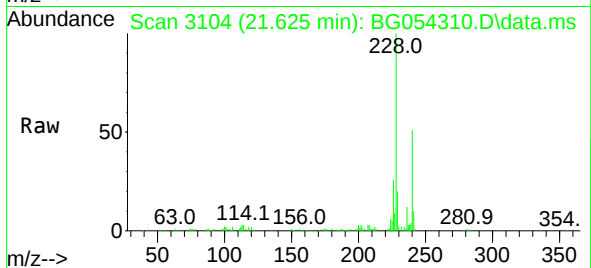
LOQ-SOIL-02-QT2-2022

Tgt Ion:228 Resp: 98815
 Ion Ratio Lower Upper
 228 100
 226 26.2 21.6 32.4
 229 19.5 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/19/2022
 Supervised By :Jagrut Upadhyay 07/19/2022



#82

3,3'-Dichlorobenzidine

Concen: 11.052 ng

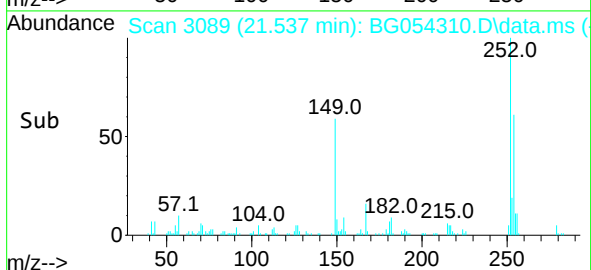
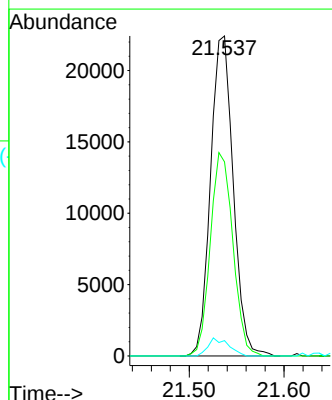
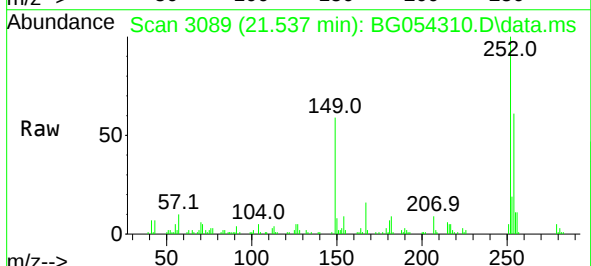
RT: 21.537 min Scan# 3089

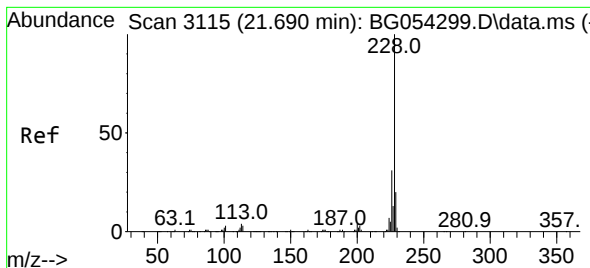
Delta R.T. 0.006 min

Lab File: BG054310.D

Acq: 18 Jul 2022 13:05

Tgt Ion:252 Resp: 37215
 Ion Ratio Lower Upper
 252 100
 254 60.6 49.8 74.8
 126 4.8 6.0 9.0#





#83

Chrysene

Concen: 8.891 ng

RT: 21.690 min Scan# 3115

Delta R.T. 0.000 min

Lab File: BG054310.D

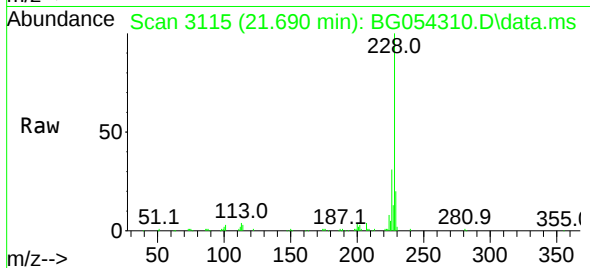
Acq: 18 Jul 2022 13:05

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2022



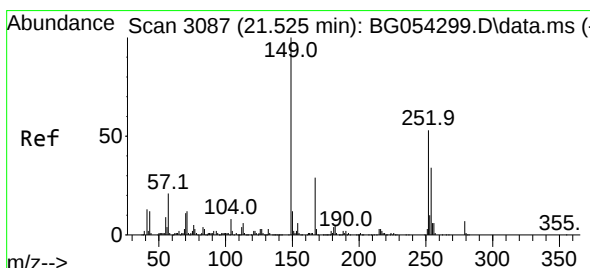
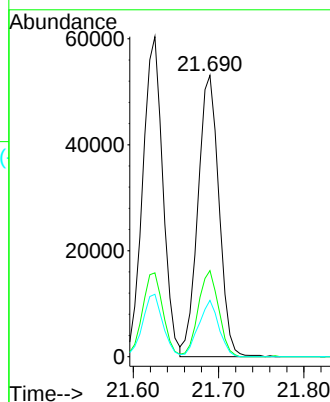
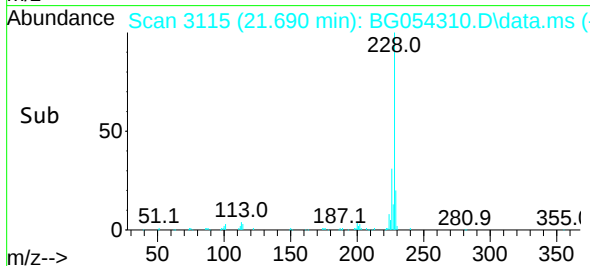
Tgt Ion:228	Resp:	90949
Ion Ratio	Lower	Upper
228	100	
226	30.6	23.4 35.2
229	20.0	15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/19/2022

Supervised By :Jagrut Upadhyay 07/19/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.642 ng

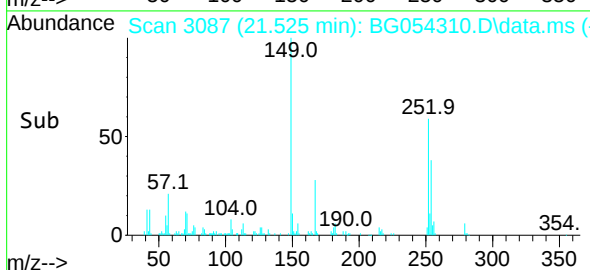
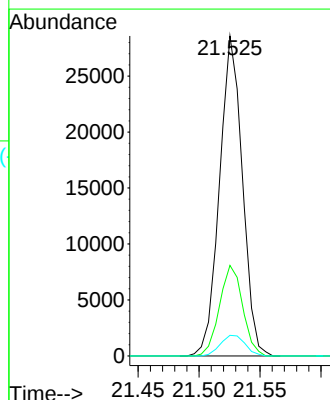
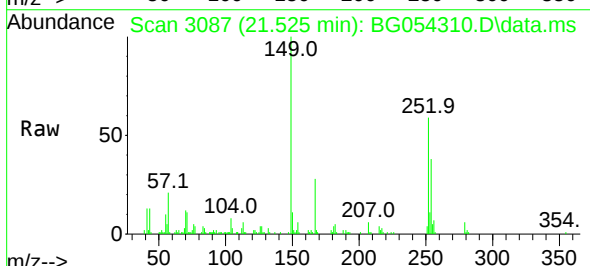
RT: 21.525 min Scan# 3087

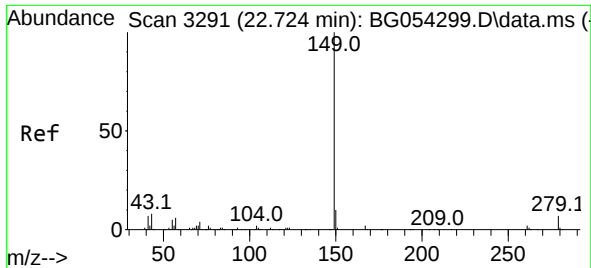
Delta R.T. 0.000 min

Lab File: BG054310.D

Acq: 18 Jul 2022 13:05

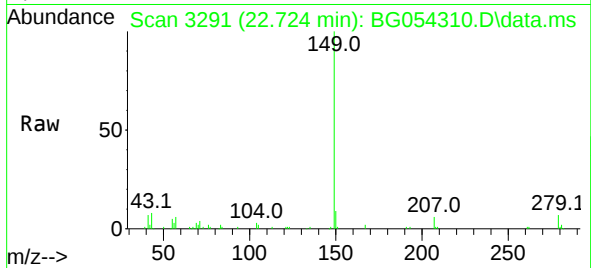
Tgt Ion:149	Resp:	37297
Ion Ratio	Lower	Upper
149	100	
167	28.3	20.2 30.4
279	6.4	3.6 5.4#





#85
Di-n-octyl phthalate
Concen: 8.660 ng
RT: 22.724 min Scan# 3291
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

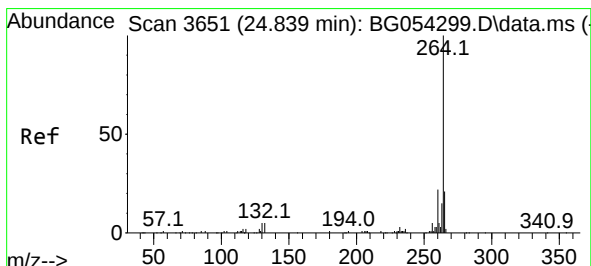
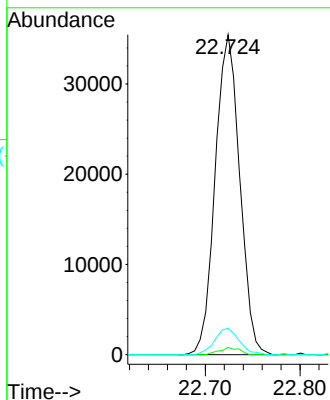
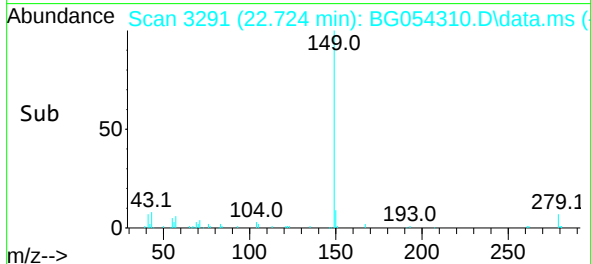
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:149 Resp: 6376
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 8.3 9.0 13.4

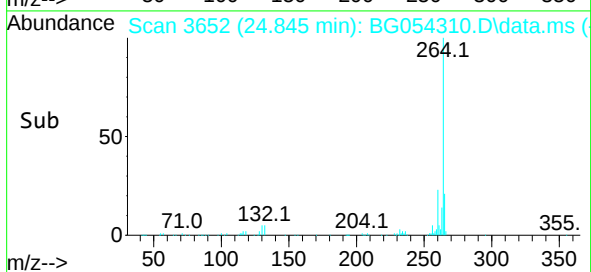
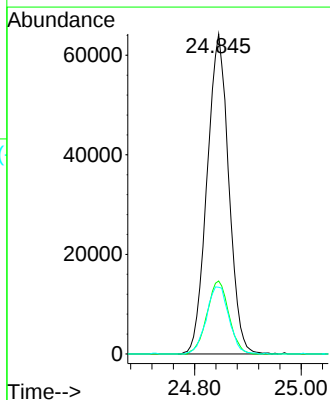
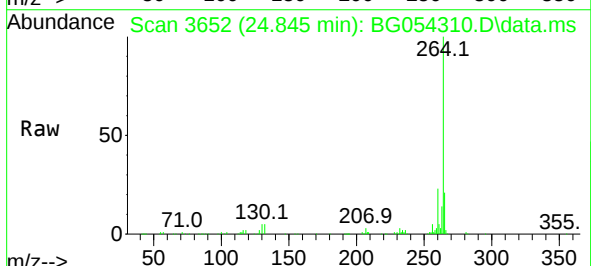
Manual Integrations
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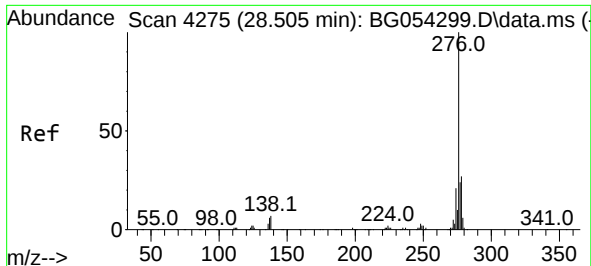
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.845 min Scan# 3652
Delta R.T. 0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

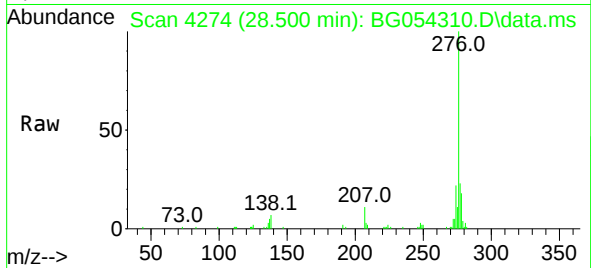
Tgt Ion:264 Resp: 181177
Ion Ratio Lower Upper
264 100
260 22.8 19.0 28.6
265 20.8 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.629 ng
RT: 28.500 min Scan# 4275
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

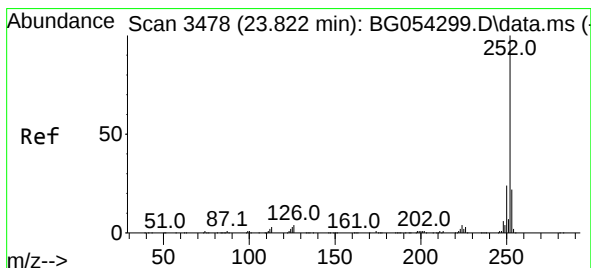
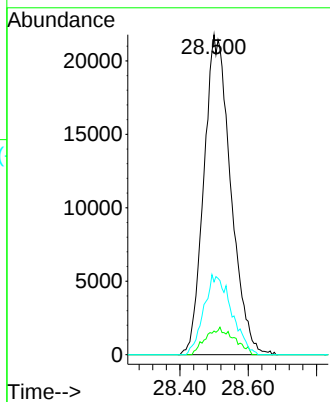
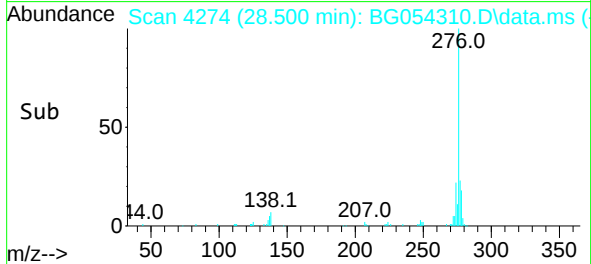
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



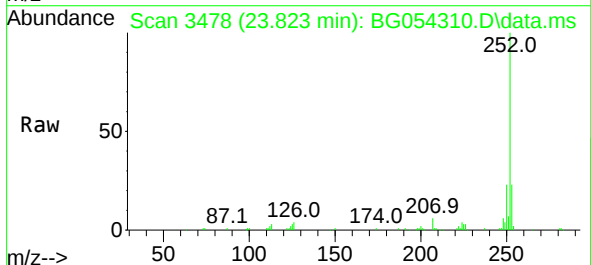
Tgt Ion: 276 Resp: 11893
Ion Ratio Lower Upper
276 100
138 0.0 5.0 7.4
277 25.7 20.3 30.5

Manual Integrations
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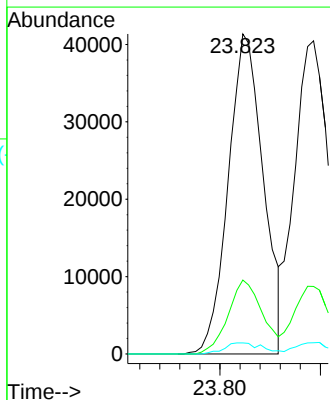
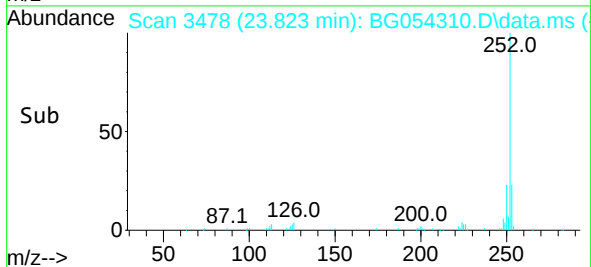
Reviewed By : Christian Giraldo 07/19/2022
Supervised By : Jagrut Upadhyay 07/19/2022

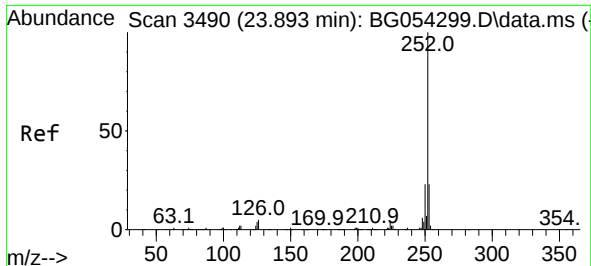


#88
Benzo(b)fluoranthene
Concen: 9.369 ng
RT: 23.823 min Scan# 3478
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



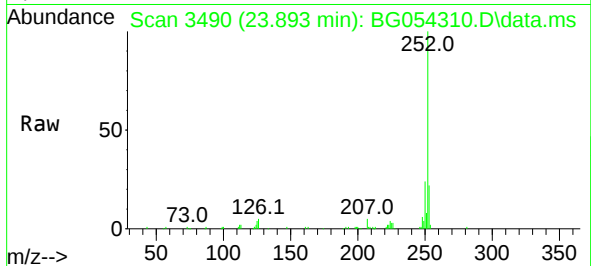
Tgt Ion: 252 Resp: 100382
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 3.4 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 9.283 ng
RT: 23.893 min Scan# 3490
Delta R.T. 0.000 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

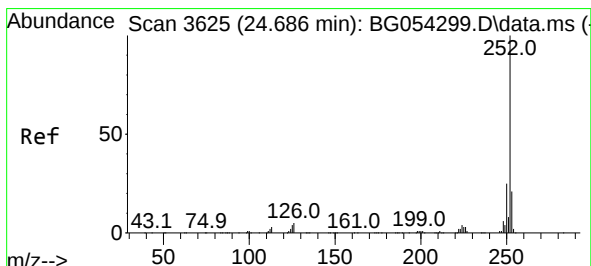
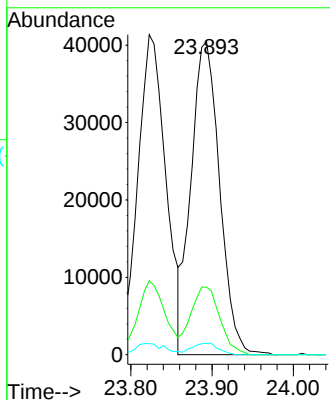
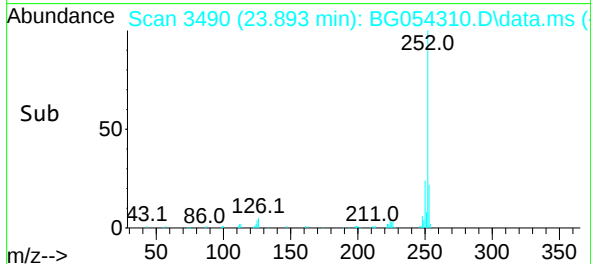
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



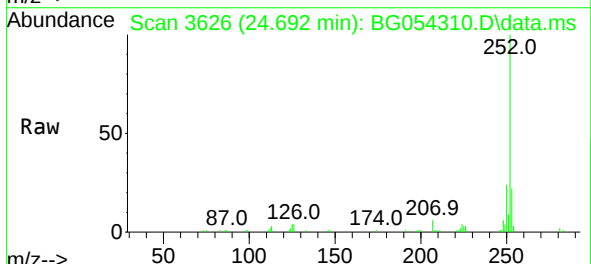
Tgt Ion:252 Resp: 98990
Ion Ratio Lower Upper
252 100
253 21.5 18.4 27.6
125 3.6 4.8 7.2

Manual Integrations
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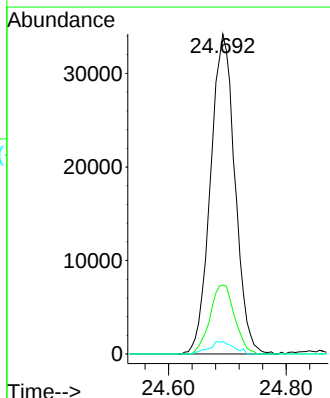
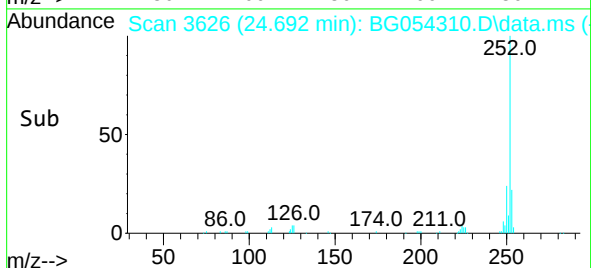
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

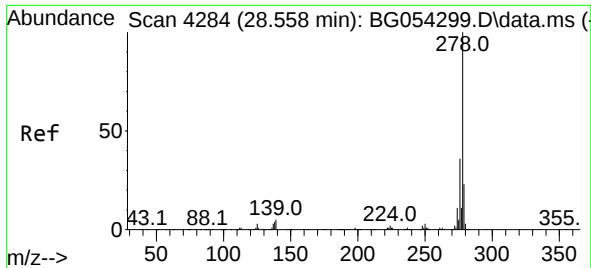


#90
Benzo(a)pyrene
Concen: 10.779 ng
RT: 24.692 min Scan# 3626
Delta R.T. 0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



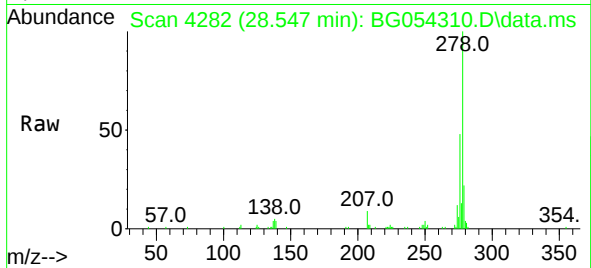
Tgt Ion:252 Resp: 98632
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.8
125 3.9 4.3 6.5





#91
Dibenzo(a,h)anthracene
Concen: 9.351 ng
RT: 28.547 min Scan# 41
Delta R.T. -0.012 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05

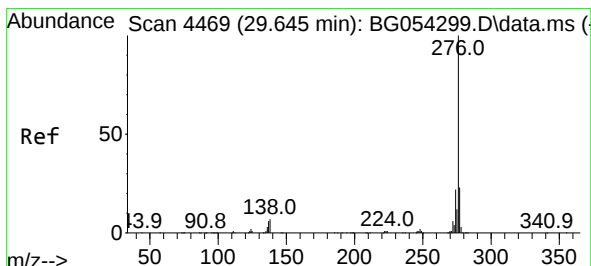
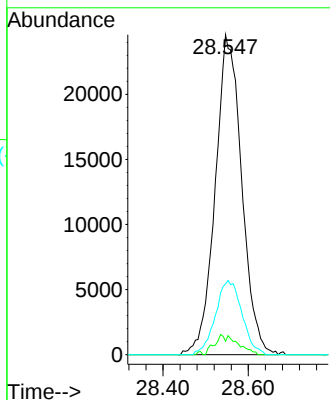
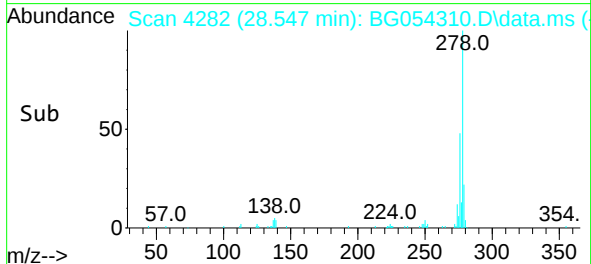
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2022



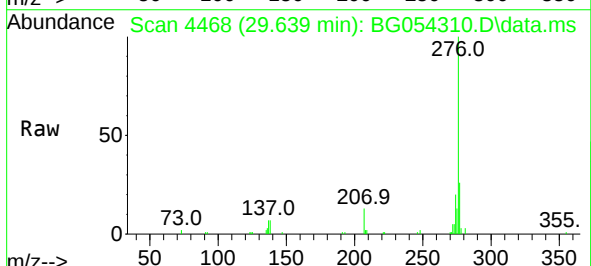
Tgt Ion:278 Resp: 10597
Ion Ratio Lower Upper
278 100
139 4.2 7.2 10.8
279 22.1 18.6 27.8

Manual Integrations
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Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#92
Benzo(g,h,i)perylene
Concen: 9.294 ng
RT: 29.639 min Scan# 4468
Delta R.T. -0.006 min
Lab File: BG054310.D
Acq: 18 Jul 2022 13:05



Tgt Ion:276 Resp: 103960
Ion Ratio Lower Upper
276 100
277 25.5 17.3 25.9
138 7.4 9.6 14.4#

