

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071922\
 Data File : BG054317.D
 Acq On : 19 Jul 2022 14:06
 Operator : CG/JU
 Sample : N3214-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/20/2022
 Supervised By : Jagrut Upadhyay 07/20/2022

Quant Time: Jul 19 14:41:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 14:41:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.994	152	17595	20.000	ng	# 0.00
21) Naphthalene-d8	10.802	136	62224	20.000	ng	# 0.00
39) Acenaphthene-d10	14.627	164	49684	20.000	ng	0.00
64) Phenanthrene-d10	17.377	188	136826	20.000	ng	# 0.00
76) Chrysene-d12	21.642	240	178657	20.000	ng	# 0.00
86) Perylene-d12	24.844	264	191174	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.555	112	95907	113.807	ng	-0.01
7) Phenol-d6	7.159	99	131515	113.892	ng	-0.01
23) Nitrobenzene-d5	9.157	82	98990	86.634	ng	0.00
42) 2,4,6-Tribromophenol	16.119	330	126677	121.434	ng	0.00
45) 2-Fluorobiphenyl	13.252	172	310136	88.058	ng	0.00
79) Terphenyl-d14	19.985	244	739103	82.070	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.422	88	2637m	7.865	ng	Qvalue
3) Pyridine	3.840	79	5526	6.497	ng	96
4) n-Nitrosodimethylamine	3.746	42	3184	6.695	ng	# 69
6) Aniline	7.312	93	10671	8.006	ng	93
8) 2-Chlorophenol	7.565	128	7272	7.509	ng	92
9) Benzaldehyde	7.130	77	6481	9.991	ng	88
10) Phenol	7.189	94	8220	7.165	ng	82
11) bis(2-Chloroethyl)ether	7.406	93	5910	7.065	ng	87
12) 1,3-Dichlorobenzene	7.882	146	8846	7.497	ng	95
13) 1,4-Dichlorobenzene	8.029	146	8796	7.218	ng	98
14) 1,2-Dichlorobenzene	8.346	146	8891	7.737	ng	89
15) Benzyl Alcohol	8.235	79	6092	6.414	ng	88
16) 2,2'-oxybis(1-Chloropr...	8.528	45	7036	6.679	ng	77
17) 2-Methylphenol	8.446	107	5736	6.937	ng	94
18) Hexachloroethane	9.081	117	3013	7.468	ng	# 67
19) n-Nitroso-di-n-propyla...	8.799	70	5044	6.541	ng	# 85
20) 3+4-Methylphenols	8.769	107	7871	6.755	ng	95
22) Acetophenone	8.816	105	11548	7.716	ng	# 96
24) Nitrobenzene	9.198	77	8713	7.803	ng	92
25) Isophorone	9.721	82	15051	7.574	ng	# 90
26) 2-Nitrophenol	9.915	139	4202	7.465	ng	# 85
27) 2,4-Dimethylphenol	9.974	122	6379	8.204	ng	90
28) bis(2-Chloroethoxy)met...	10.203	93	8266	8.247	ng	95
29) 2,4-Dichlorophenol	10.461	162	8525	7.264	ng	87
30) 1,2,4-Trichlorobenzene	10.667	180	11228	7.724	ng	# 96
31) Naphthalene	10.849	128	22959	7.350	ng	97
32) Benzoic acid	10.162	122	2319m	9.350	ng	
33) 4-Chloroaniline	10.961	127	9402	7.402	ng	# 88
34) Hexachlorobutadiene	11.143	225	10127	7.883	ng	95
35) Caprolactam	11.707	113	1833	6.203	ng	# 75
36) 4-Chloro-3-methylphenol	12.089	107	7751	7.259	ng	# 96
37) 2-Methylnaphthalene	12.459	142	17706	7.382	ng	94
38) 1-Methylnaphthalene	12.676	142	17089	7.311	ng	94
40) 1,2,4,5-Tetrachloroben...	12.829	216	17395	7.991	ng	# 94
41) Hexachlorocyclopentadiene	12.811	237	1898	3.717	ng	87
43) 2,4,6-Trichlorophenol	13.070	196	8616	7.270	ng	97

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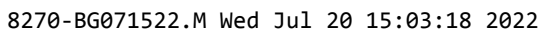
Reviewed By :Christian Giraldo 07/20/2022
 Supervised By :Jagrut Upadhyay 07/20/2022

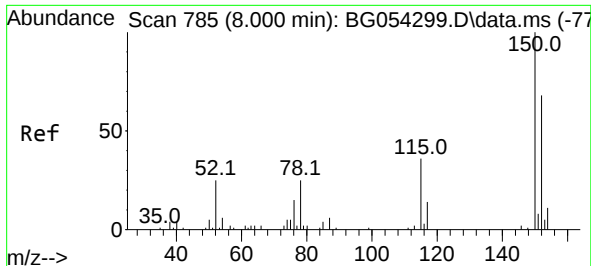
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.152	196	9099	6.795	ng	# 90
46) 1,1'-Biphenyl	13.464	154	27266	8.022	ng	95
47) 2-Chloronaphthalene	13.505	162	21944	7.714	ng	98
48) 2-Nitroaniline	13.705	65	5221	7.033	ng	89
49) Acenaphthylene	14.351	152	33122	7.836	ng	97
50) Dimethylphthalate	14.075	163	29202	7.525	ng	# 99
51) 2,6-Dinitrotoluene	14.198	165	6144	7.218	ng	# 71
52) Acenaphthene	14.692	154	19253	7.522	ng	96
53) 3-Nitroaniline	14.533	138	4927	6.921	ng	92
54) 2,4-Dinitrophenol	14.750	184	1245	3.010	ng	# 68
55) Dibenzofuran	15.027	168	34922	7.668	ng	94
56) 4-Nitrophenol	14.856	139	2579	5.430	ng	# 87
57) 2,4-Dinitrotoluene	14.991	165	9091	7.450	ng	# 83
58) Fluorene	15.679	166	28597	7.637	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.262	232	8934	6.852	ng	# 82
60) Diethylphthalate	15.438	149	28225	7.581	ng	97
61) 4-Chlorophenyl-phenyle...	15.667	204	19157	7.794	ng	# 85
62) 4-Nitroaniline	15.690	138	5349	7.152	ng	91
63) Azobenzene	15.961	77	20316	7.552	ng	# 75
65) 4,6-Dinitro-2-methylph...	15.761	198	4392	5.196	ng	# 76
66) n-Nitrosodiphenylamine	15.878	169	25838	7.564	ng	93
67) 4-Bromophenyl-phenylether	16.560	248	14350	7.468	ng	92
68) Hexachlorobenzene	16.689	284	17082	7.773	ng	# 90
69) Atrazine	16.824	200	12558	8.261	ng	96
70) Pentachlorophenol	17.042	266	3341	3.885	ng	96
71) Phenanthrene	17.418	178	50755	7.449	ng	99
72) Anthracene	17.506	178	51548	7.709	ng	97
73) Carbazole	17.776	167	42923	7.797	ng	98
74) Di-n-butylphthalate	18.334	149	46767	7.199	ng	96
75) Fluoranthene	19.427	202	70433	7.583	ng	97
77) Benzidine	19.604	184	33473	10.345	ng	97
78) Pyrene	19.792	202	73778	7.197	ng	99
80) Butylbenzylphthalate	20.673	149	20751	6.496	ng	# 81
81) Benzo(a)anthracene	21.619	228	84449	7.446	ng	98
82) 3,3'-Dichlorobenzidine	21.531	252	32121	9.107	ng	# 98
83) Chrysene	21.683	228	76467	7.137	ng	98
84) Bis(2-ethylhexyl)phtha...	21.525	149	30971	6.851	ng	# 93
85) Di-n-octyl phthalate	22.723	149	53827	6.980	ng	# 92
87) Indeno(1,2,3-cd)pyrene	28.499	276	103742	7.133	ng	# 96
88) Benzo(b)fluoranthene	23.822	252	88256	7.806	ng	# 96
89) Benzo(k)fluoranthene	23.893	252	84895	7.545	ng	# 96
90) Benzo(a)pyrene	24.692	252	84101	8.710	ng	# 95
91) Dibenzo(a,h)anthracene	28.558	278	88563	7.406	ng	# 96
92) Benzo(g,h,i)perylene	29.633	276	88333	7.484	ng	# 95

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

Manual Integrations

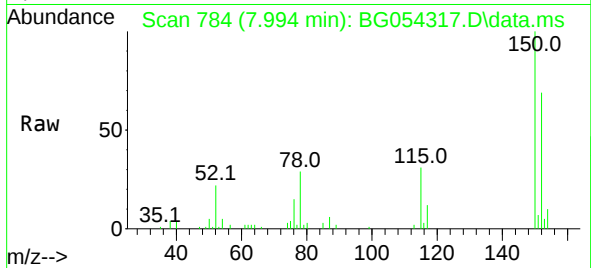
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.994 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

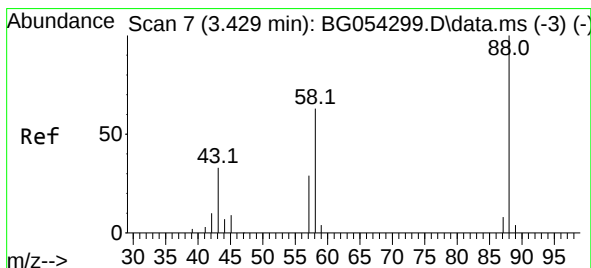
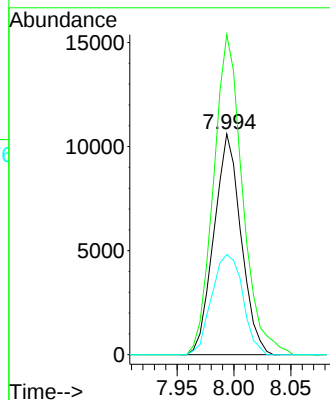
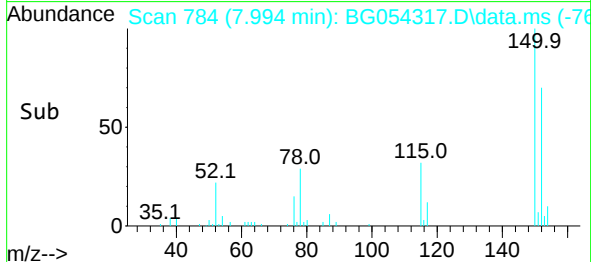
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:152 Resp: 1759
Ion Ratio Lower Upper
152 100
150 144.9 131.6 197.4
115 45.3 50.9 76.3

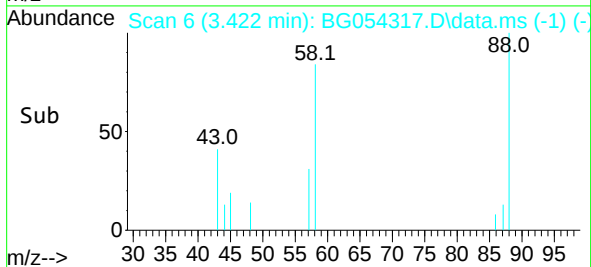
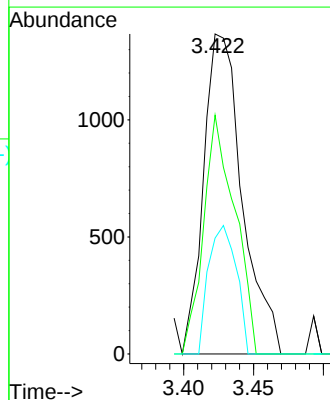
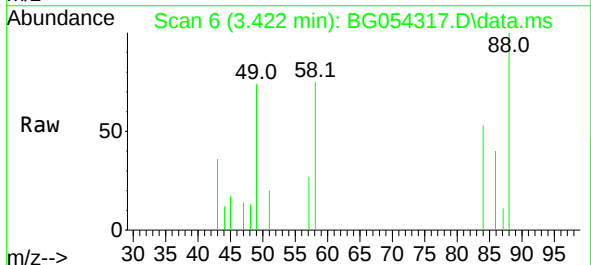
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#2
1,4-Dioxane
Concen: 7.865 ng m
RT: 3.422 min Scan# 6
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

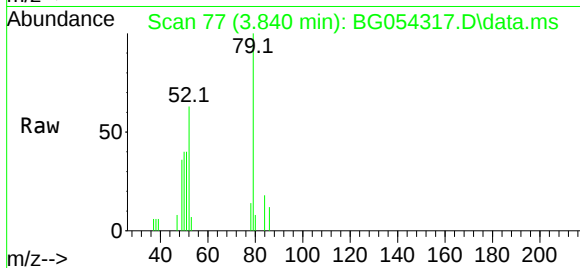
Tgt Ion: 88 Resp: 2637
Ion Ratio Lower Upper
88 100
58 58.2 59.2 88.8
43 28.7 24.3 36.5





#3
Pyridine
Concen: 6.497 ng
RT: 3.840 min Scan# 71
Delta R.T. 0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

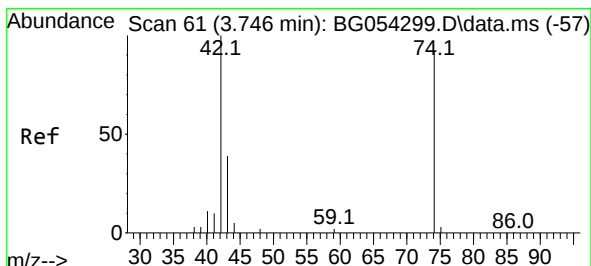
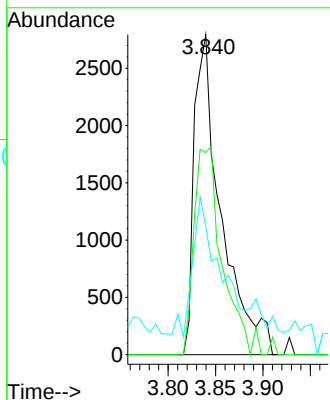
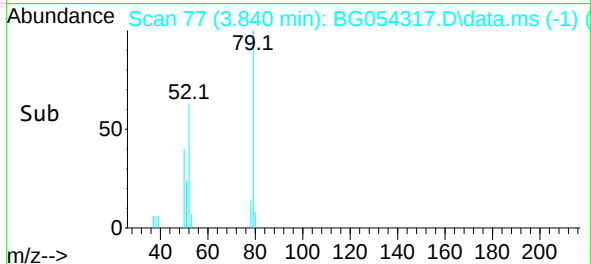
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



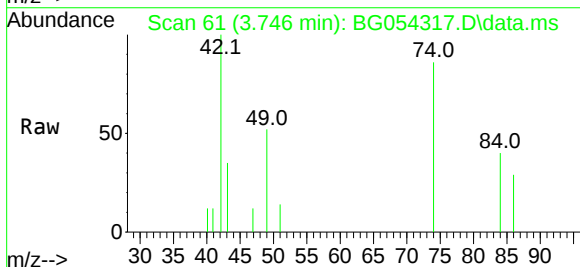
Tgt Ion: 79 Resp: 5520
Ion Ratio Lower Upper
79 100
52 63.2 54.6 81.8
51 40.2 32.5 48.7

Manual Integrations
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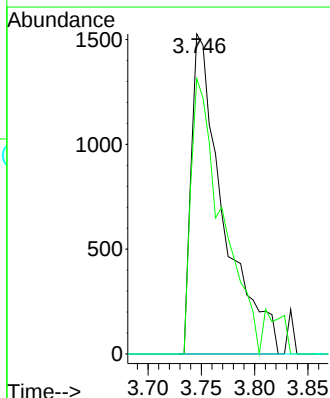
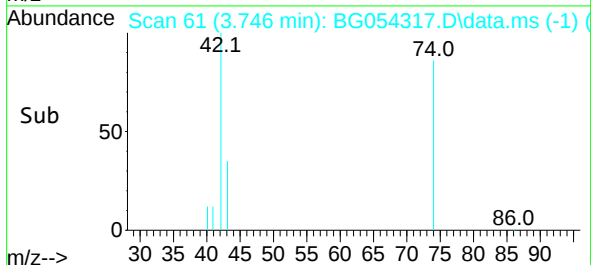
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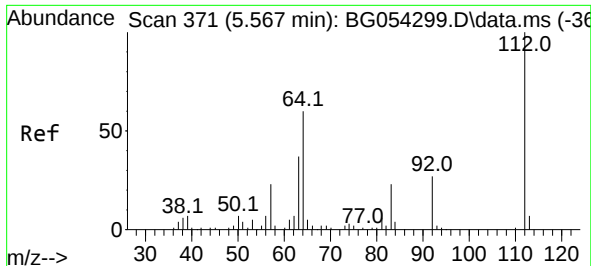


#4
n-Nitrosodimethylamine
Concen: 6.695 ng
RT: 3.746 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



Tgt Ion: 42 Resp: 3184
Ion Ratio Lower Upper
42 100
74 86.0 97.0 145.4#
44 0.0 7.0 10.4#





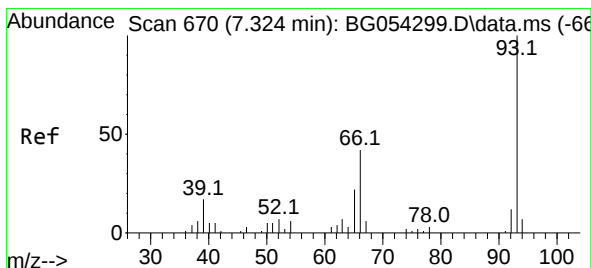
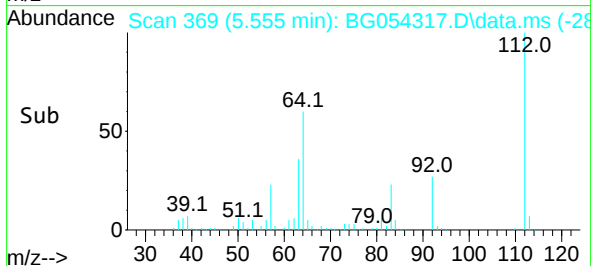
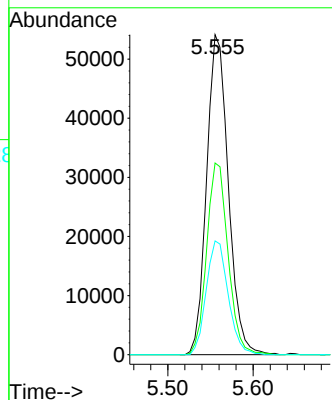
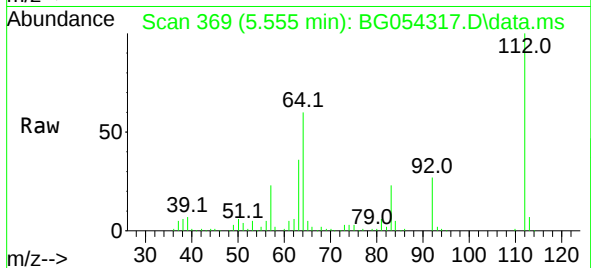
#5
2-Fluorophenol
Concen: 113.807 ng
RT: 5.555 min Scan# 30
Delta R.T. -0.012 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:112 Resp: 9590
Ion Ratio Lower Upper
112 100
64 59.9 55.1 82.7
63 35.6 30.4 45.6

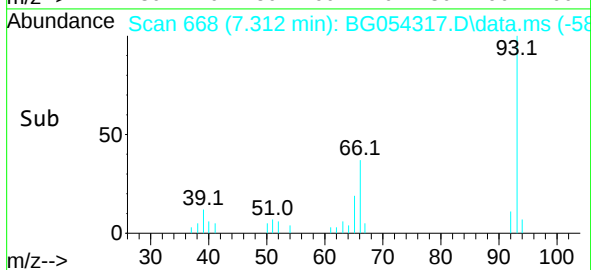
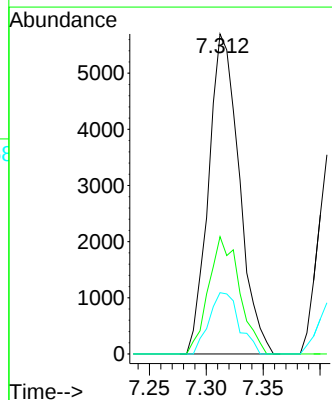
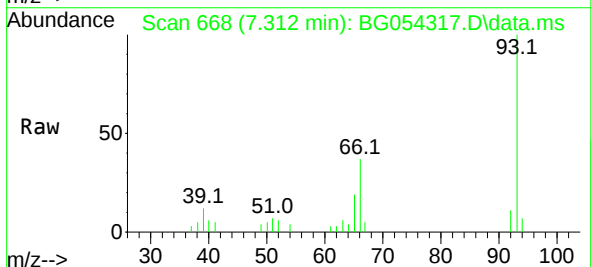
Manual Integrations
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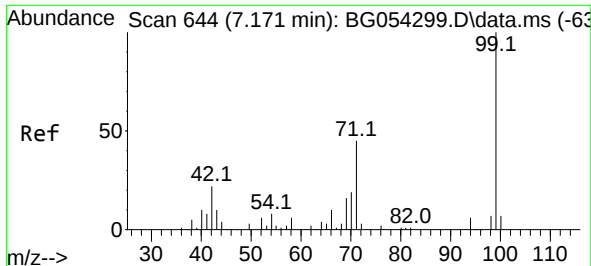
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#6
Aniline
Concen: 8.006 ng
RT: 7.312 min Scan# 668
Delta R.T. -0.012 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

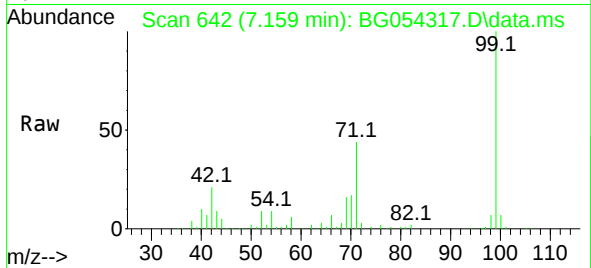
Tgt Ion: 93 Resp: 10671
Ion Ratio Lower Upper
93 100
66 36.7 32.9 49.3
65 19.1 17.8 26.8





#7
Phenol-d6
Concen: 113.892 ng
RT: 7.159 min Scan# 644
Delta R.T. -0.012 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

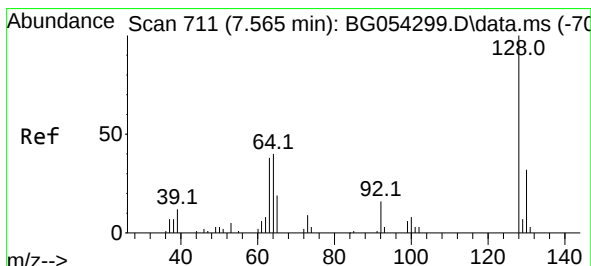
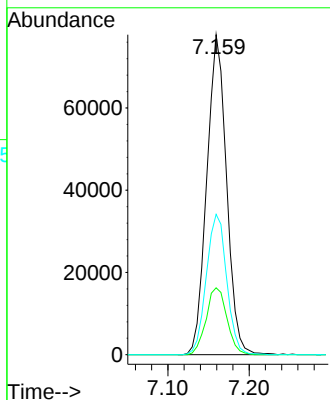
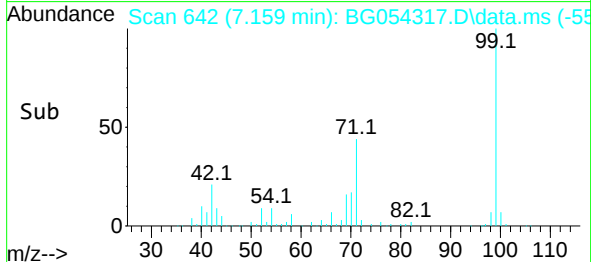
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BNA_G
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Tgt Ion: 99 Resp: 13151
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 43.8 33.8 50.8

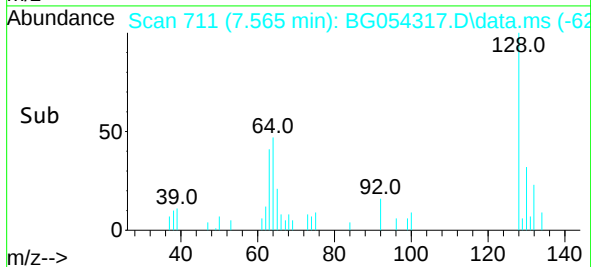
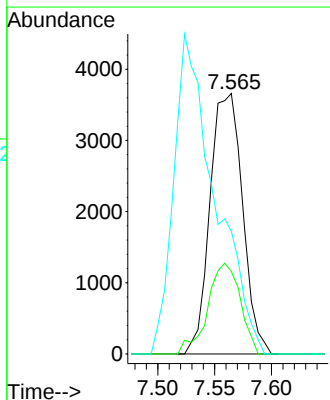
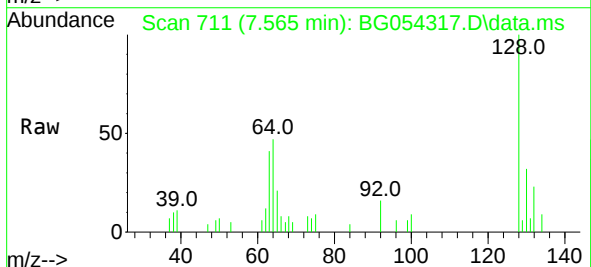
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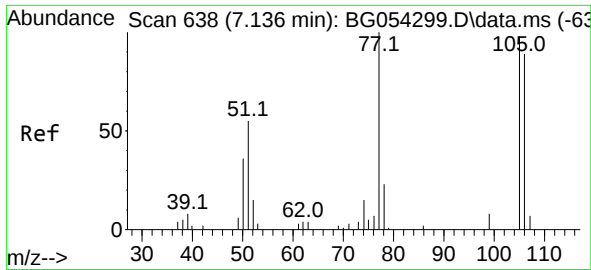
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#8
2-Chlorophenol
Concen: 7.509 ng
RT: 7.565 min Scan# 711
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

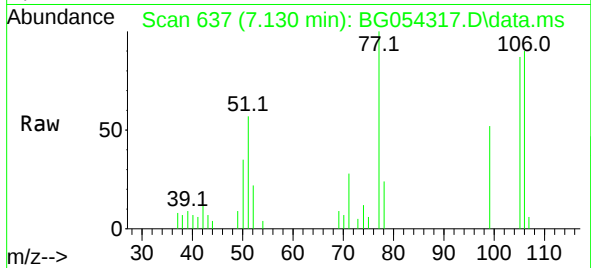
Tgt Ion:128 Resp: 7272
Ion Ratio Lower Upper
128 100
130 31.7 10.5 50.5
64 47.2 35.1 75.1





#9
Benzaldehyde
Concen: 9.991 ng
RT: 7.130 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

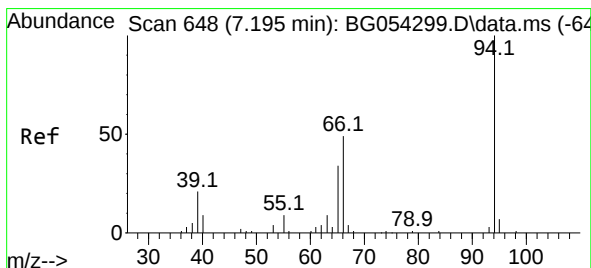
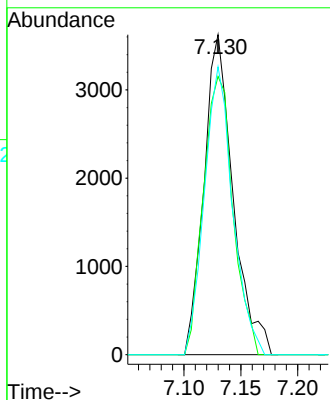
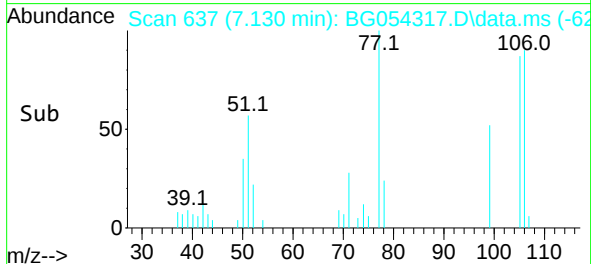
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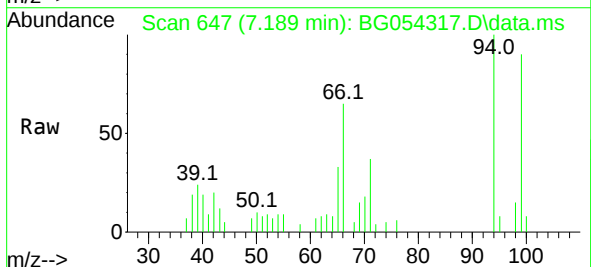
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Ion Ratio Lower Upper
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106 90.0 56.8 96.8

Manual Integrations
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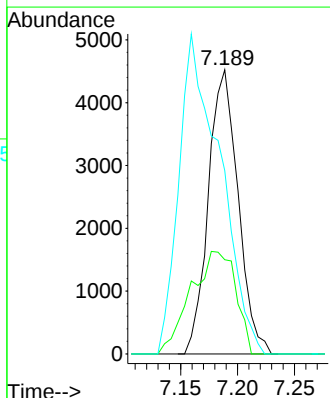
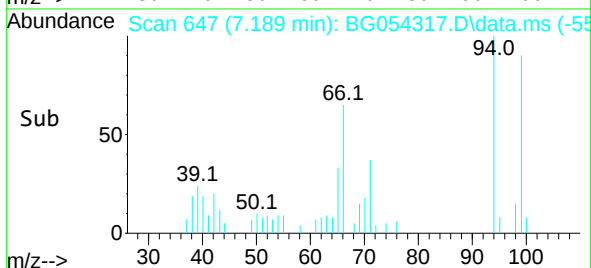
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#10
Phenol
Concen: 7.165 ng
RT: 7.189 min Scan# 647
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



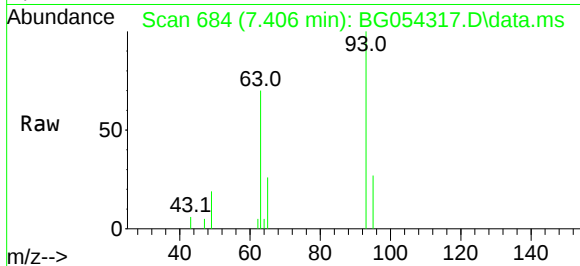
Tgt Ion: 94 Resp: 8220
Ion Ratio Lower Upper
94 100
65 33.2 14.8 54.8
66 64.5 25.2 65.2





#11
bis(2-Chloroethyl)ether
Concen: 7.065 ng
RT: 7.406 min Scan# 684
Delta R.T. -0.012 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

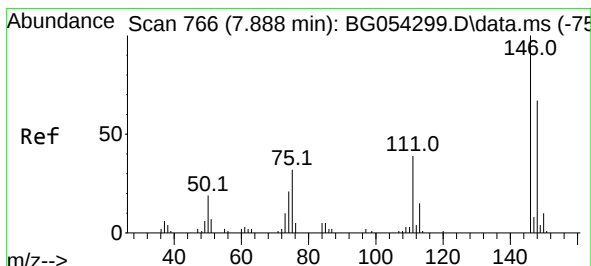
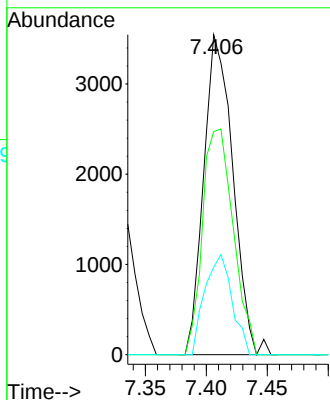
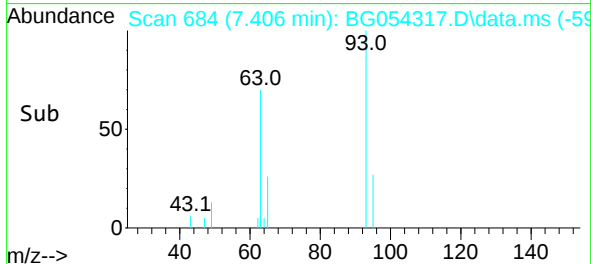
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



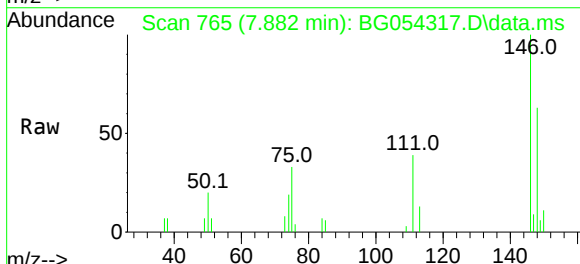
Tgt Ion: 93 Resp: 5910
Ion Ratio Lower Upper
93 100
63 69.7 63.6 103.6
95 27.4 10.1 50.1

Manual Integrations
APPROVED

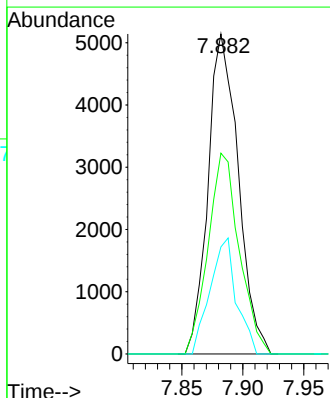
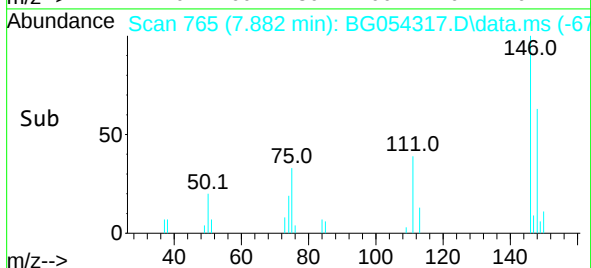
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

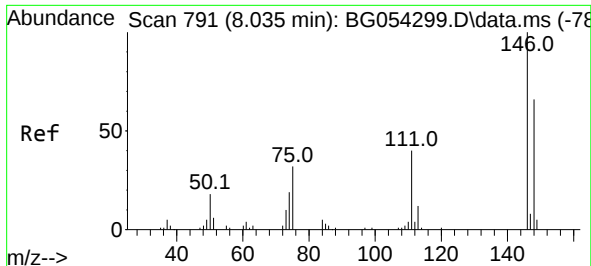


#12
1,3-Dichlorobenzene
Concen: 7.497 ng
RT: 7.882 min Scan# 765
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



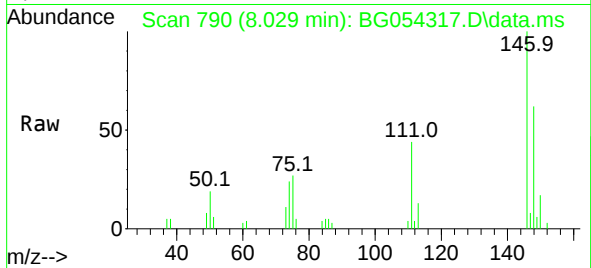
Tgt Ion:146 Resp: 8846
Ion Ratio Lower Upper
146 100
148 62.8 46.1 69.1
75 33.5 27.6 41.4





#13
1,4-Dichlorobenzene
Concen: 7.218 ng
RT: 8.029 min Scan# 791
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

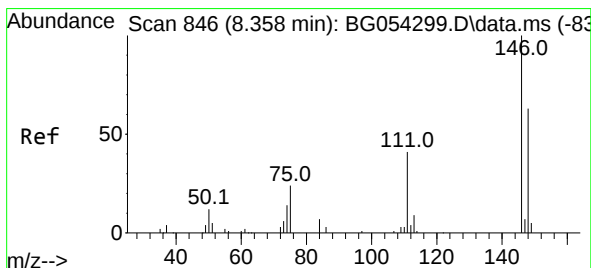
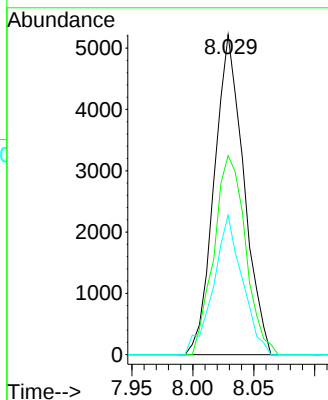
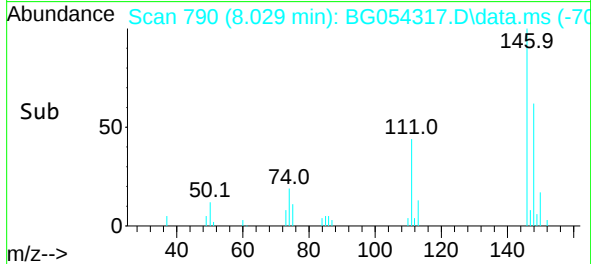
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



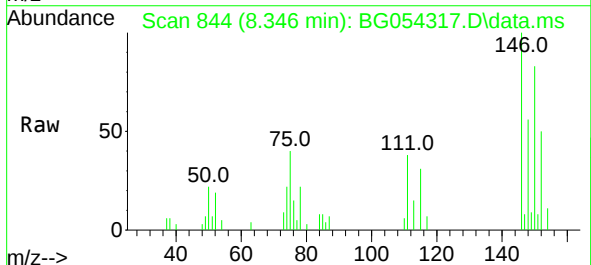
Tgt Ion:146 Resp: 8790
Ion Ratio Lower Upper
146 100
148 62.2 51.5 77.3
111 43.6 33.9 50.9

Manual Integrations
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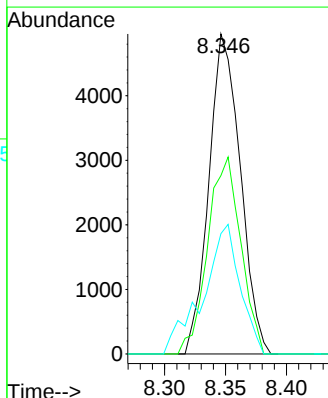
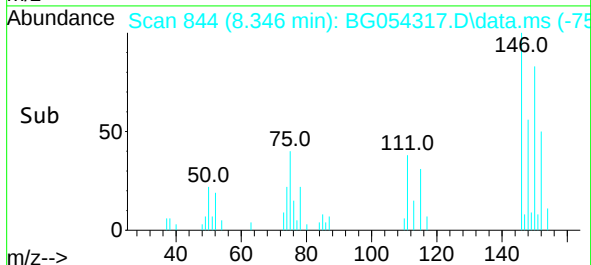
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

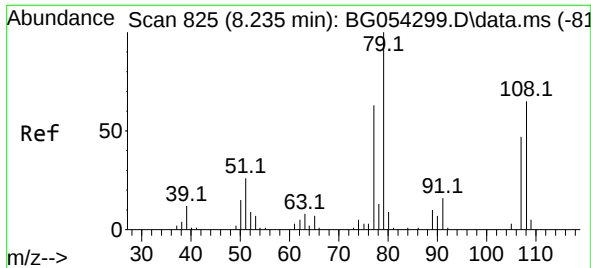


#14
1,2-Dichlorobenzene
Concen: 7.737 ng
RT: 8.346 min Scan# 844
Delta R.T. -0.012 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



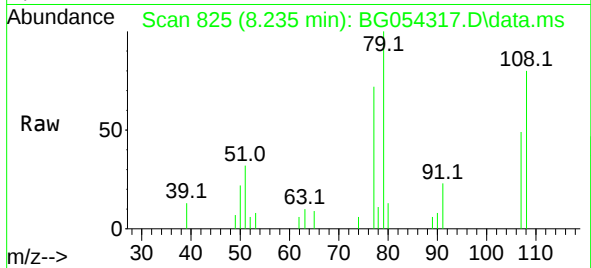
Tgt Ion:146 Resp: 8891
Ion Ratio Lower Upper
146 100
148 55.7 52.6 78.8
111 37.6 34.5 51.7





#15
Benzyl Alcohol
Concen: 6.414 ng
RT: 8.235 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

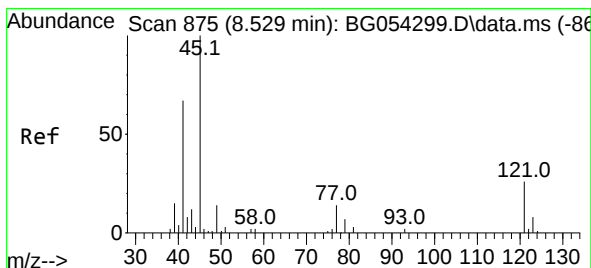
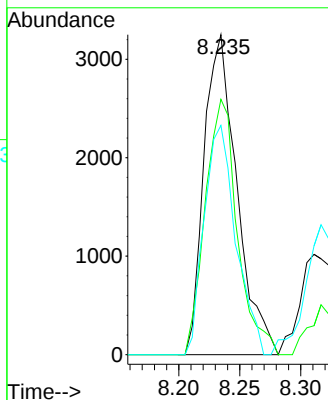
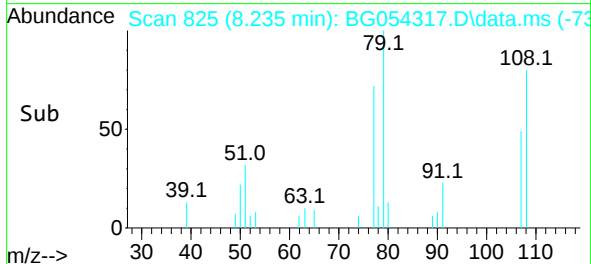
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



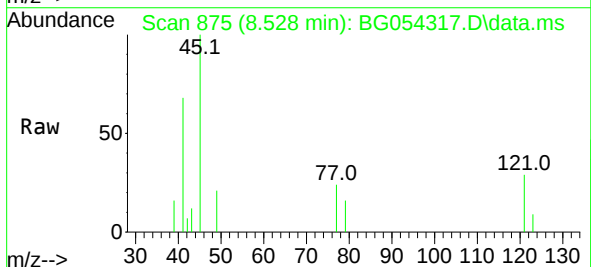
Tgt Ion: 79 Resp: 6092
Ion Ratio Lower Upper
79 100
108 79.8 53.7 80.5
77 71.6 52.2 78.4

Manual Integrations
APPROVED

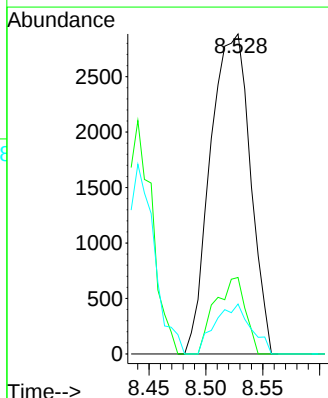
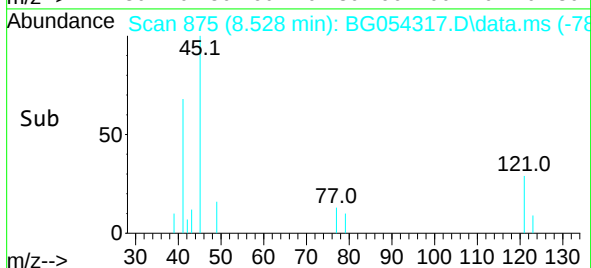
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.679 ng
RT: 8.528 min Scan# 875
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



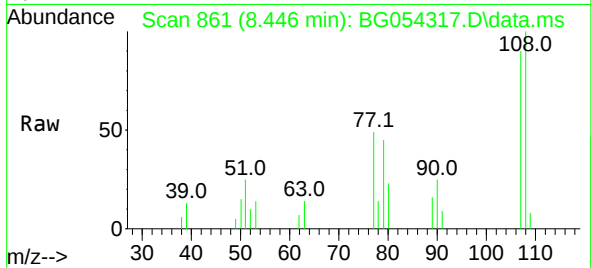
Tgt Ion: 45 Resp: 7036
Ion Ratio Lower Upper
45 100
77 23.9 0.0 32.7
79 15.6 0.0 29.7





#17
2-Methylphenol
Concen: 6.937 ng
RT: 8.446 min Scan# 80
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

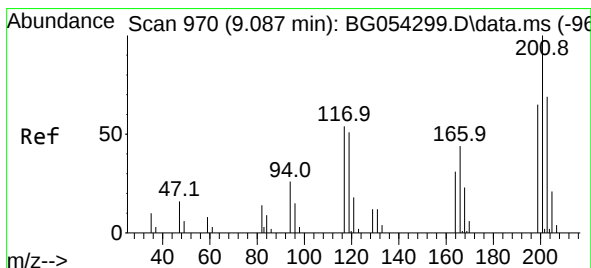
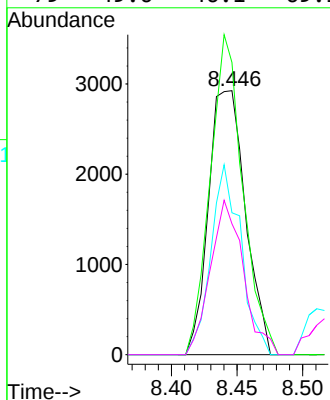
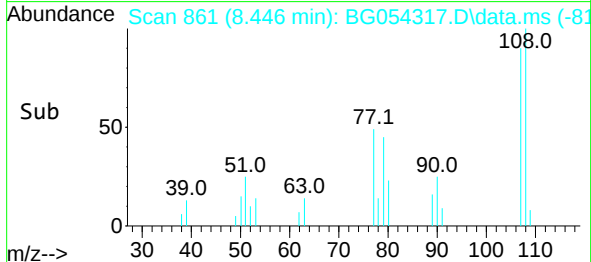
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



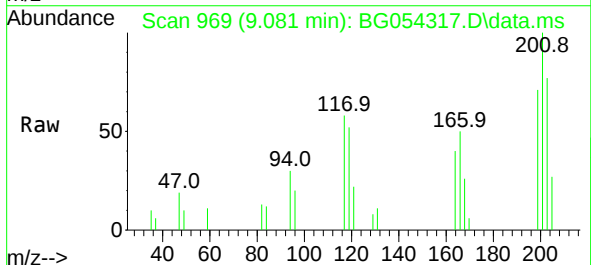
Tgt Ion:107 Resp: 5730
Ion Ratio Lower Upper
107 100
108 110.7 85.4 128.0
77 53.8 46.2 69.2
79 49.6 46.1 69.1

Manual Integrations
APPROVED

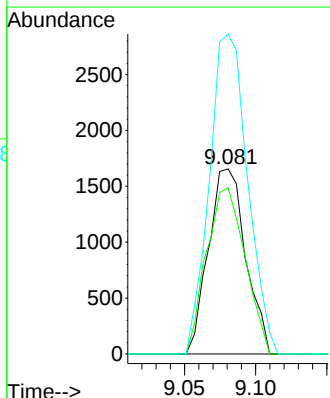
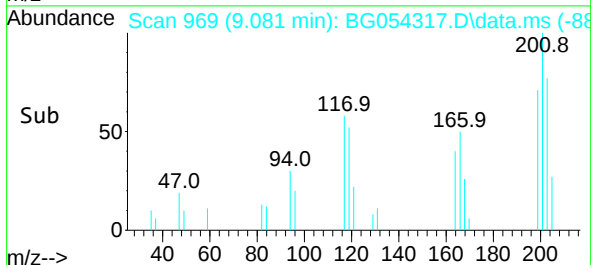
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#18
Hexachloroethane
Concen: 7.468 ng
RT: 9.081 min Scan# 969
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



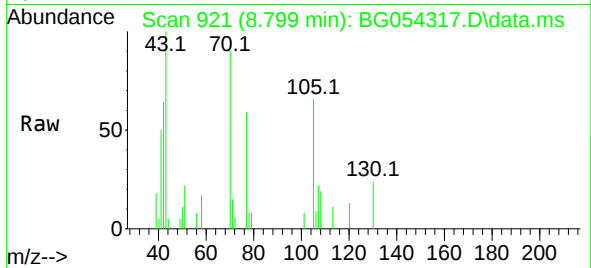
Tgt Ion:117 Resp: 3013
Ion Ratio Lower Upper
117 100
119 89.7 75.0 112.6
201 172.9 89.0 133.6#





#19
n-Nitroso-di-n-propylamine
Concen: 6.541 ng
RT: 8.799 min Scan# 916
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

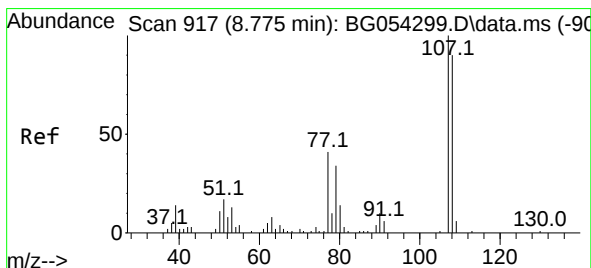
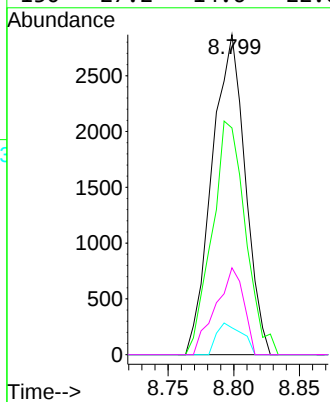
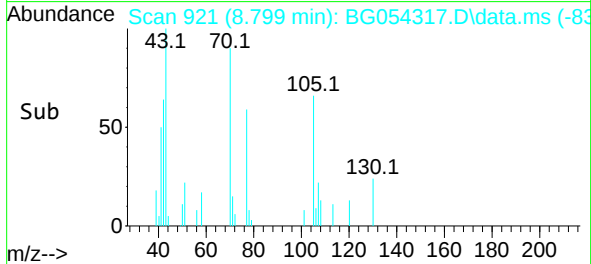
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 70 Resp: 504
Ion Ratio Lower Upper
70 100
42 70.9 47.3 70.9
101 8.4 7.0 10.4
130 27.2 14.6 22.0#

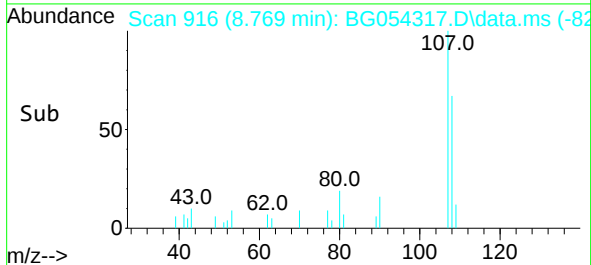
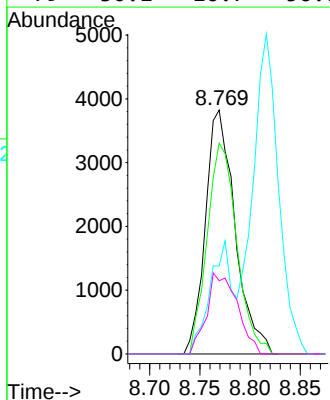
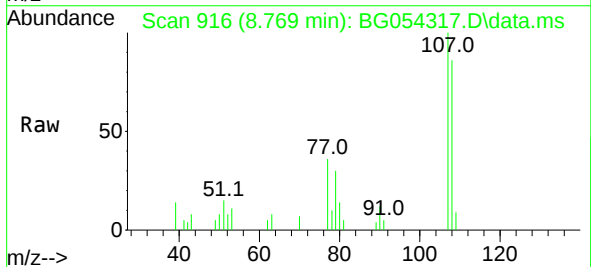
Manual Integrations
APPROVED

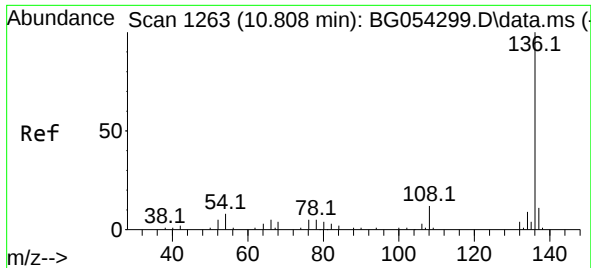
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#20
3+4-Methylphenols
Concen: 6.755 ng
RT: 8.769 min Scan# 916
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

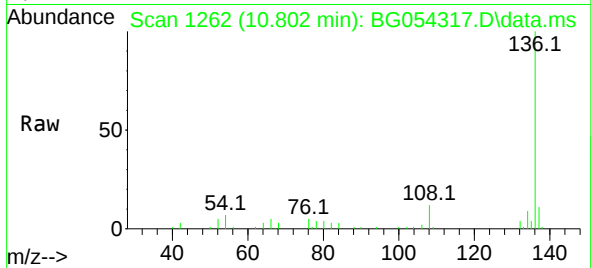
Tgt Ion:107 Resp: 7871
Ion Ratio Lower Upper
107 100
108 86.4 67.5 107.5
77 36.0 20.3 60.3
79 30.1 16.7 56.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.802 min Scan# 1262
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

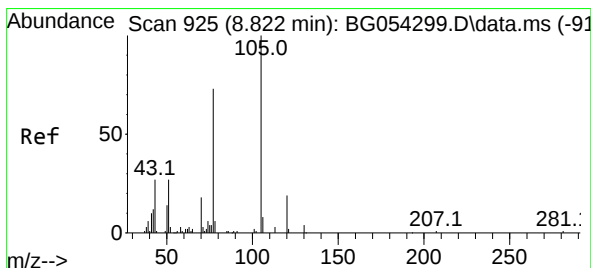
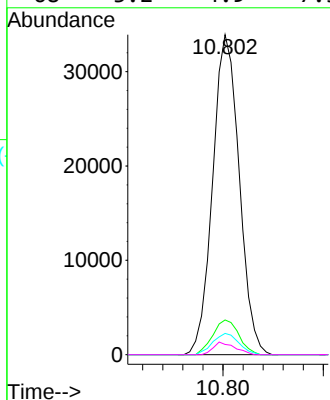
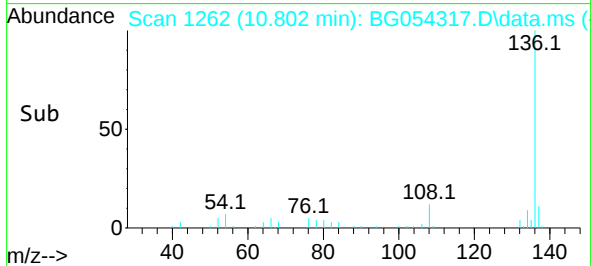
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



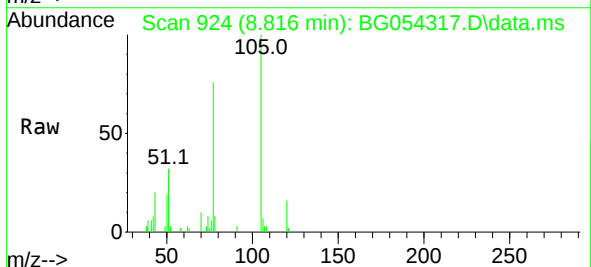
Tgt Ion:136 Resp: 62224
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 6.7 7.4 11.2
68 3.2 4.9 7.3#

Manual Integrations
APPROVED

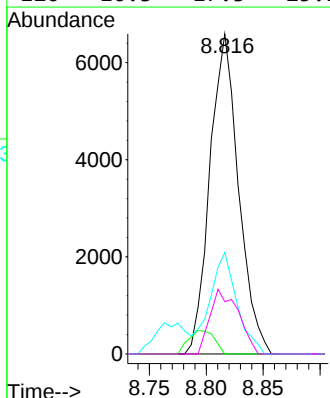
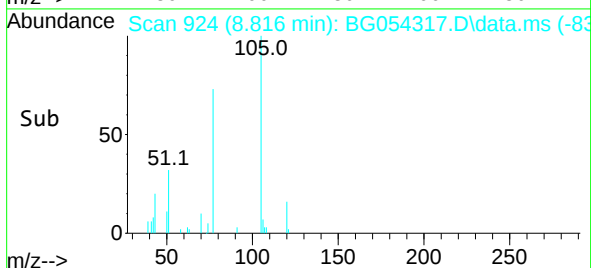
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

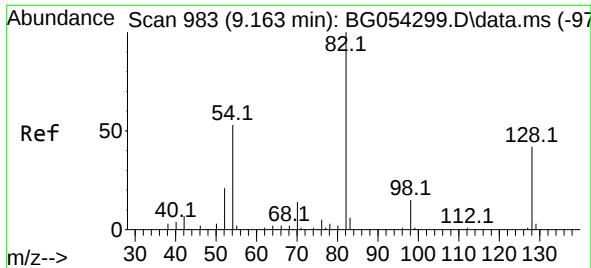


#22
Acetophenone
Concen: 7.716 ng
RT: 8.816 min Scan# 924
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



Tgt Ion:105 Resp: 11548
Ion Ratio Lower Upper
105 100
71 0.0 1.1 1.7#
51 31.7 25.4 38.0
120 16.3 17.3 25.9#





#23

Nitrobenzene-d5

Concen: 86.634 ng

RT: 9.157 min Scan# 982

Delta R.T. -0.006 min

Lab File: BG054317.D

Acq: 19 Jul 2022 14:06

Instrument :

BNA_G

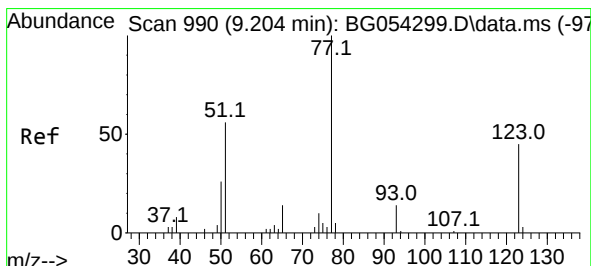
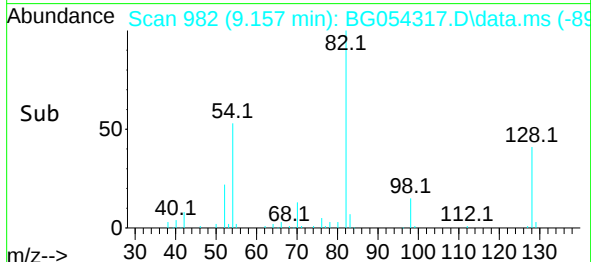
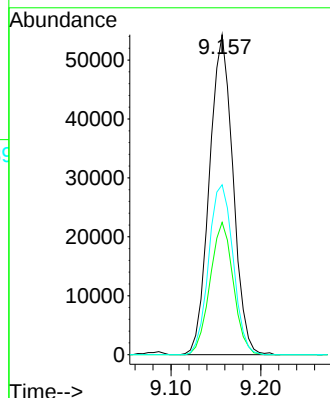
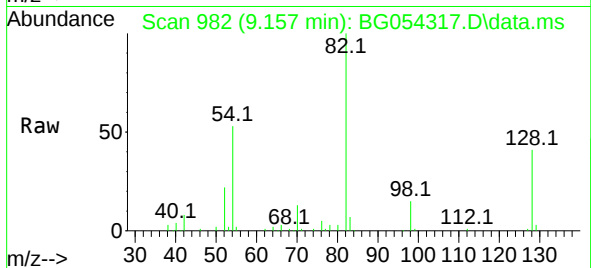
ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion: 82 Resp: 98990
 Ion Ratio Lower Upper
 82 100
 128 41.4 27.9 41.9
 54 53.1 41.2 61.8

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 07/20/2022
 Supervised By :Jagrut Upadhyay 07/20/2022



#24

Nitrobenzene

Concen: 7.803 ng

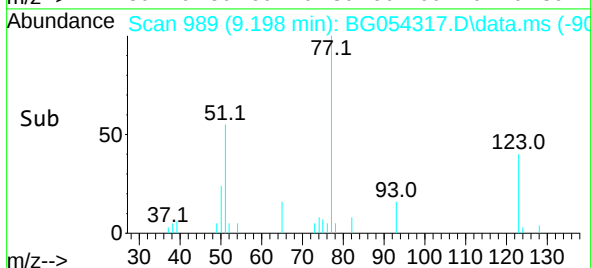
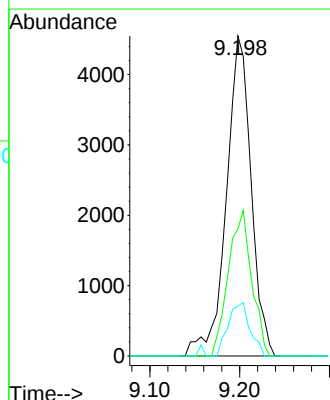
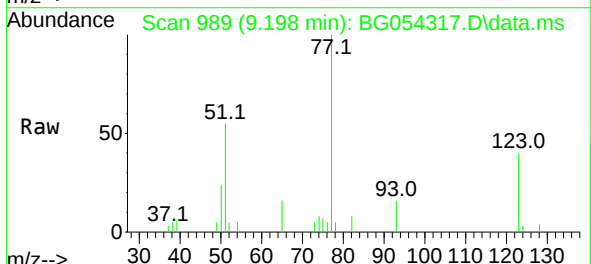
RT: 9.198 min Scan# 989

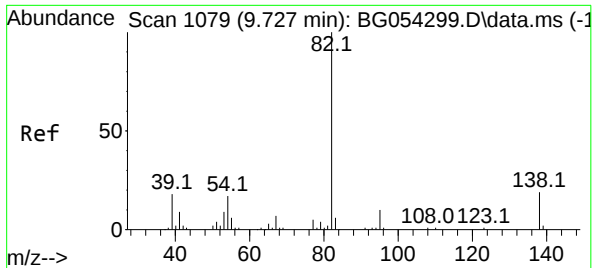
Delta R.T. -0.006 min

Lab File: BG054317.D

Acq: 19 Jul 2022 14:06

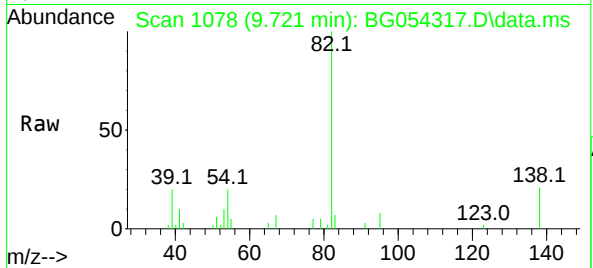
Tgt Ion: 77 Resp: 8713
 Ion Ratio Lower Upper
 77 100
 123 39.7 27.4 41.0
 65 15.6 11.4 17.0





#25
Isophorone
Concen: 7.574 ng
RT: 9.721 min Scan# 1079
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

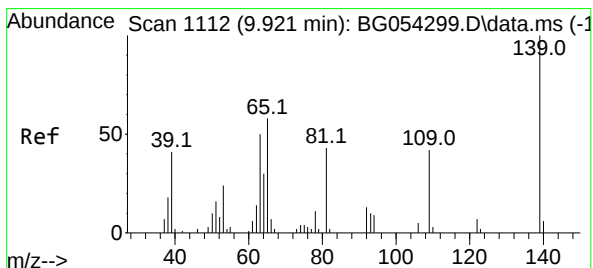
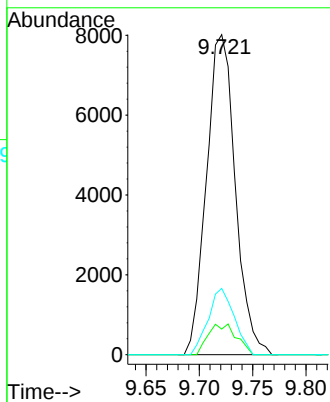
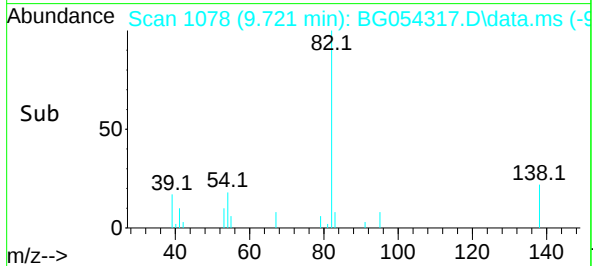
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 82 Resp: 1505
Ion Ratio Lower Upper
82 100
95 8.0 6.2 9.4
138 20.7 11.6 17.4

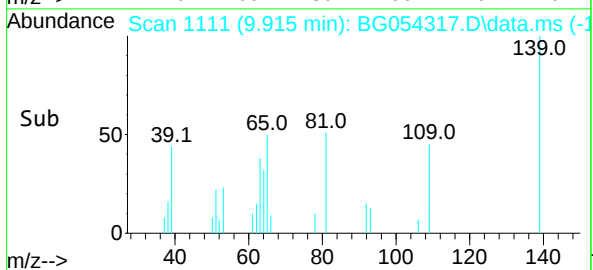
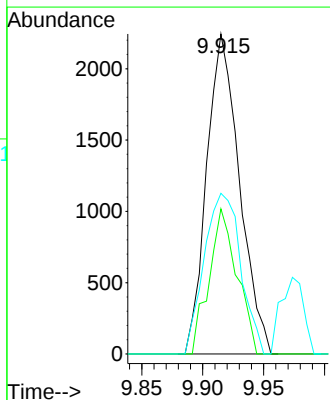
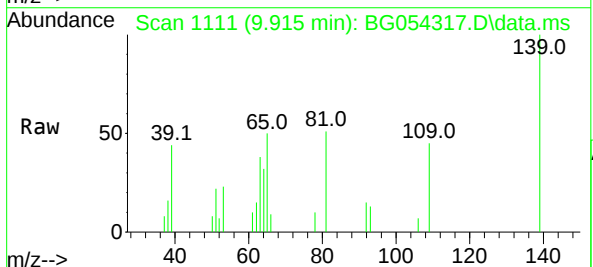
Manual Integrations
APPROVED

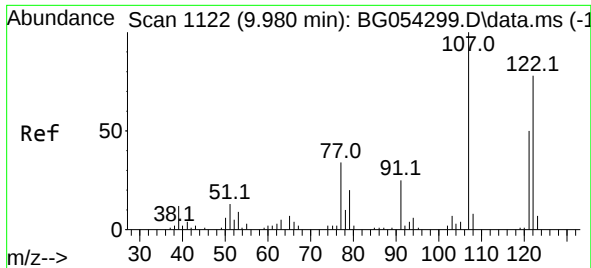
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#26
2-Nitrophenol
Concen: 7.465 ng
RT: 9.915 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

Tgt Ion:139 Resp: 4202
Ion Ratio Lower Upper
139 100
109 45.4 36.1 54.1
65 50.2 55.8 83.6





#27

2,4-Dimethylphenol

Concen: 8.204 ng

RT: 9.974 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BG054317.D

Acq: 19 Jul 2022 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2022

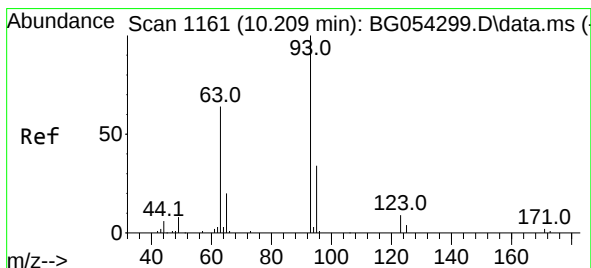
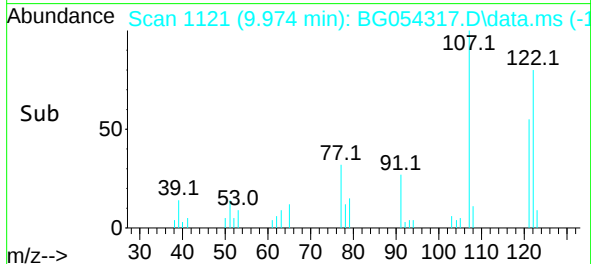
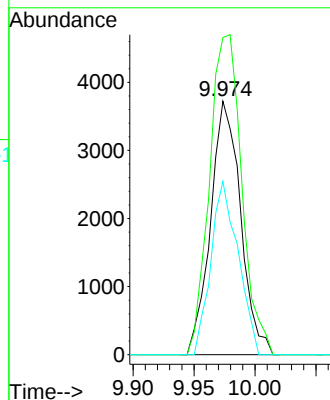
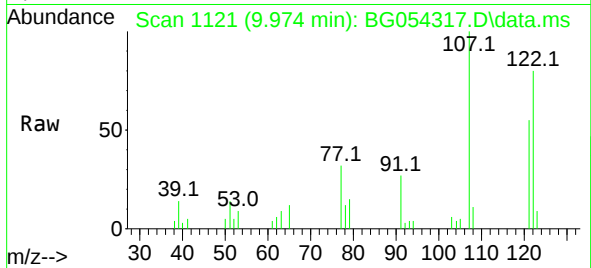
Tgt Ion:122 Resp: 6379
 Ion Ratio Lower Upper
 122 100
 107 125.1 109.4 164.0
 121 68.4 48.7 73.1

Manual Integrations

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Reviewed By :Christian Giraldo 07/20/2022

Supervised By :Jagrut Upadhyay 07/20/2022



#28

bis(2-Chloroethoxy)methane

Concen: 8.247 ng

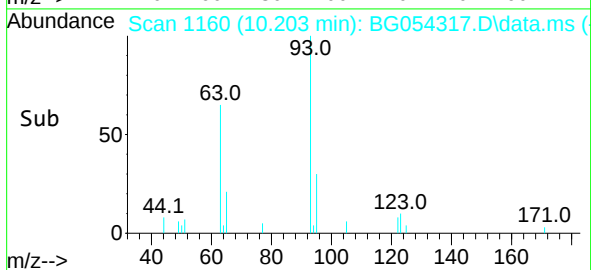
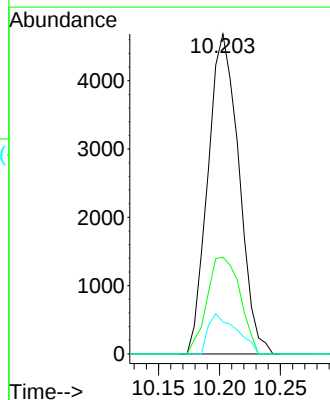
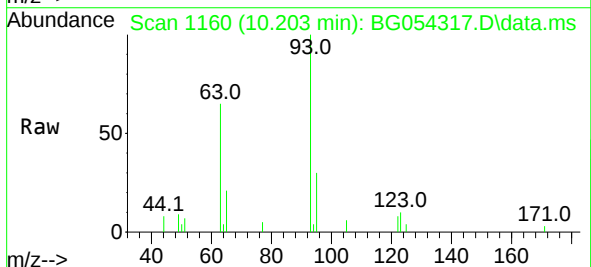
RT: 10.203 min Scan# 1160

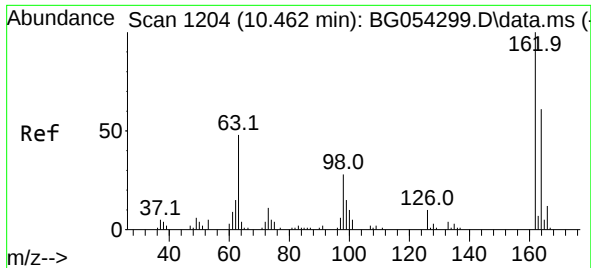
Delta R.T. -0.006 min

Lab File: BG054317.D

Acq: 19 Jul 2022 14:06

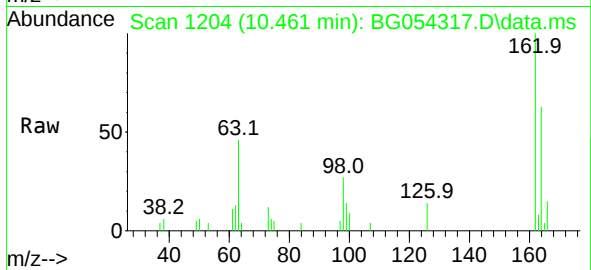
Tgt Ion: 93 Resp: 8266
 Ion Ratio Lower Upper
 93 100
 95 30.2 26.9 40.3
 123 10.1 7.7 11.5





#29
2,4-Dichlorophenol
Concen: 7.264 ng
RT: 10.461 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

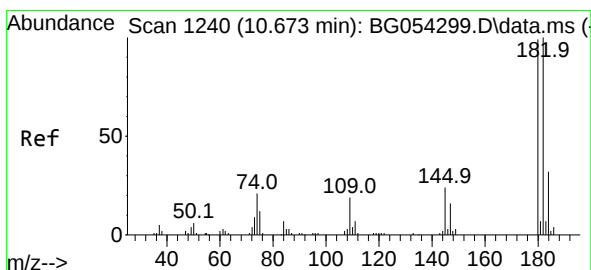
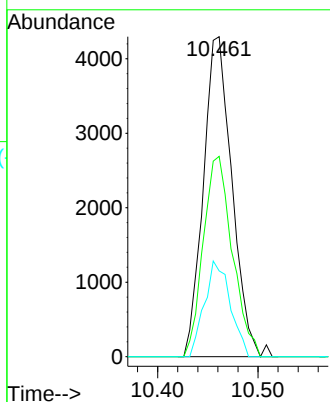
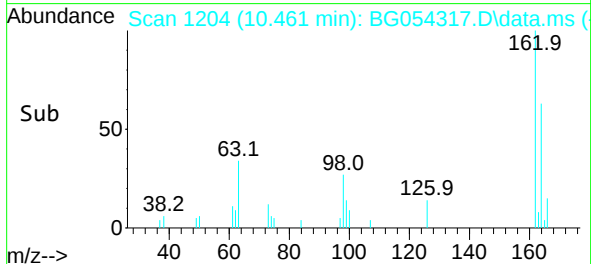
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



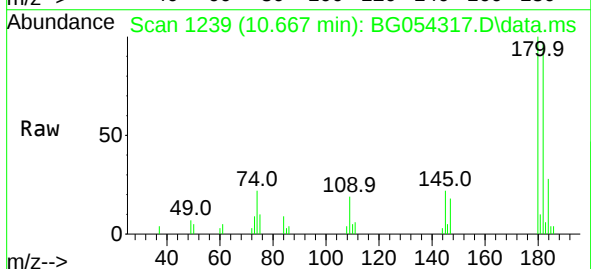
Tgt Ion:162 Resp: 852
Ion Ratio Lower Upper
162 100
164 62.6 46.6 86.6
98 26.8 22.8 62.8

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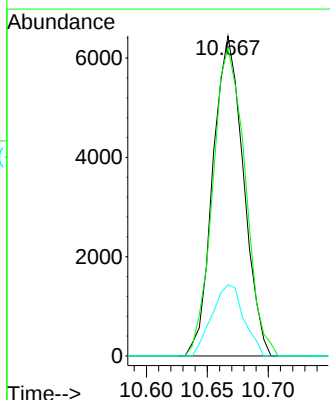
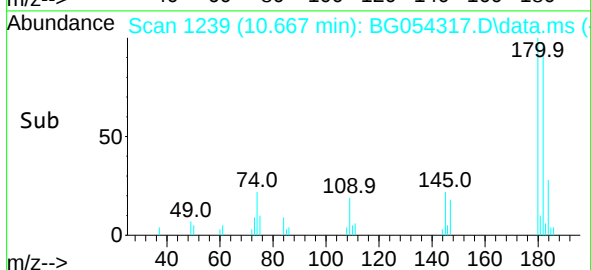
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

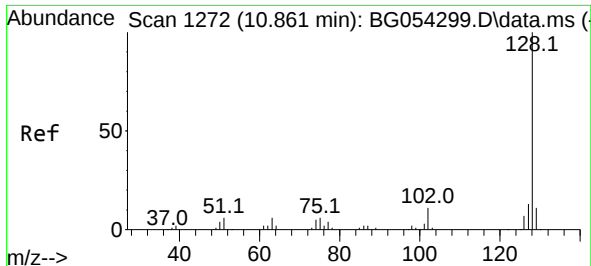


#30
1,2,4-Trichlorobenzene
Concen: 7.724 ng
RT: 10.667 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



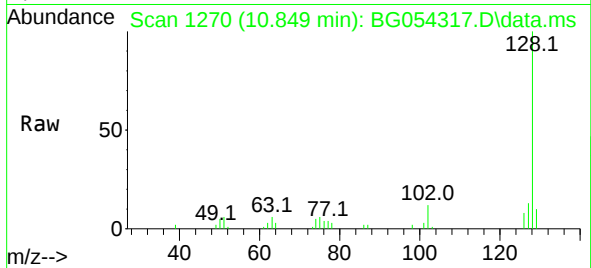
Tgt Ion:180 Resp: 11228
Ion Ratio Lower Upper
180 100
182 96.3 76.6 115.0
145 22.3 25.0 37.4#





#31
Naphthalene
Concen: 7.350 ng
RT: 10.849 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

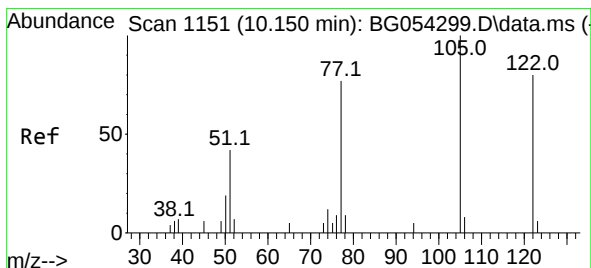
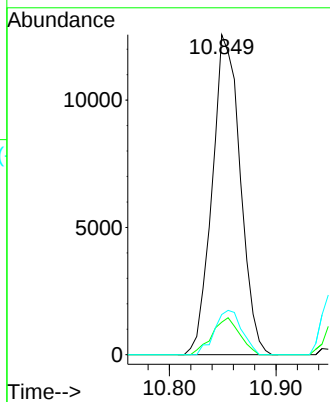
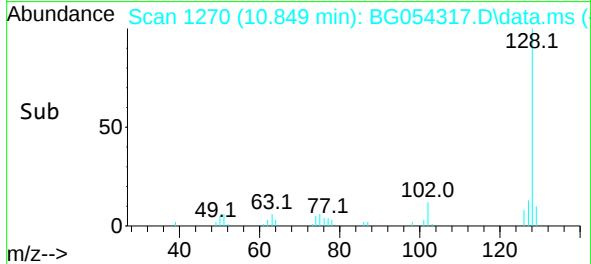
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



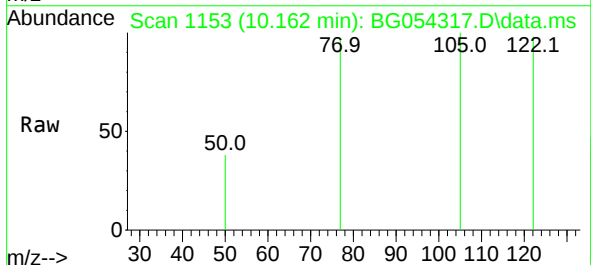
Tgt Ion:128 Resp: 22958
Ion Ratio Lower Upper
128 100
129 10.1 9.0 13.6
127 12.6 11.1 16.7

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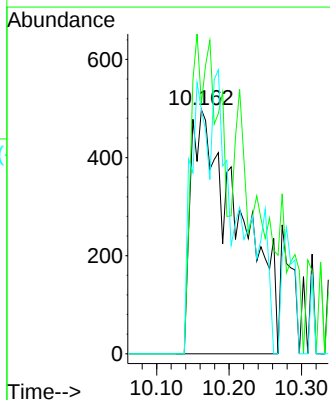
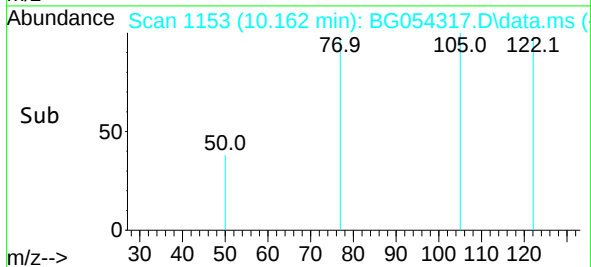
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#32
Benzoic acid
Concen: 9.350 ng m
RT: 10.162 min Scan# 1153
Delta R.T. 0.012 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



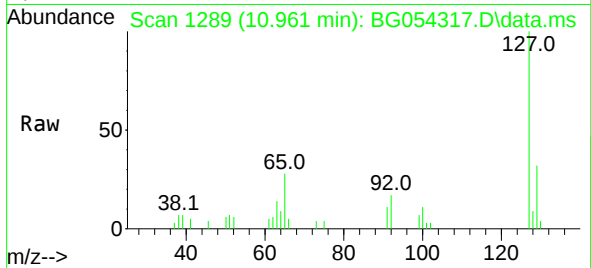
Tgt Ion:122 Resp: 2319
Ion Ratio Lower Upper
122 100
105 102.4 111.8 151.8#
77 99.8 109.4 149.4#





#33
4-Chloroaniline
Concen: 7.402 ng
RT: 10.961 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

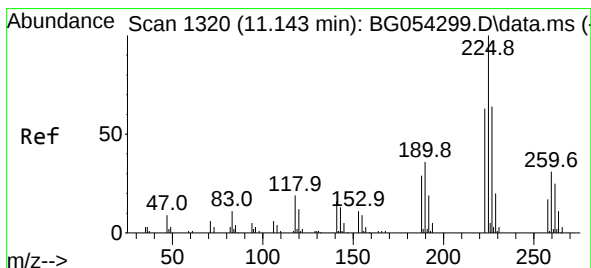
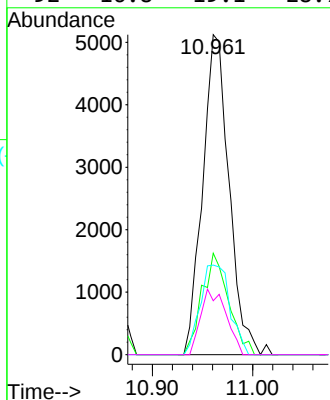
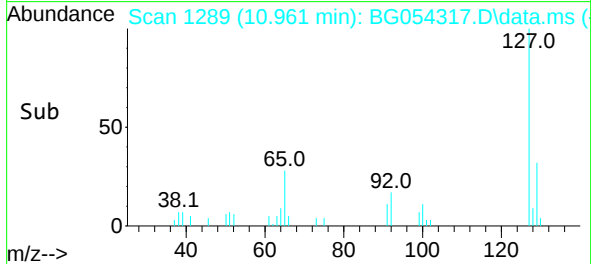
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.3	39.5
65	28.0	31.1	46.7
92	16.8	19.1	28.7

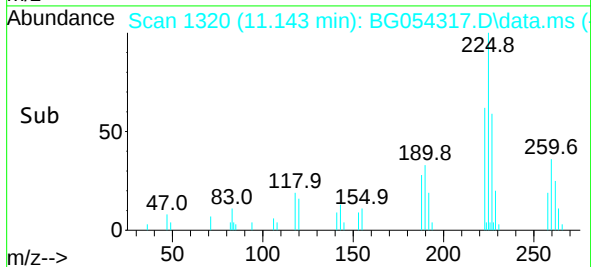
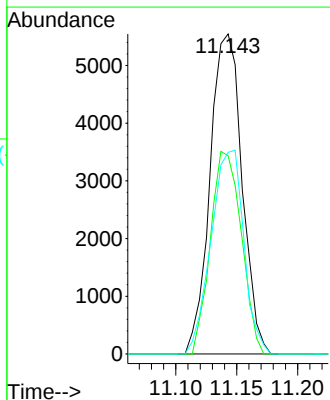
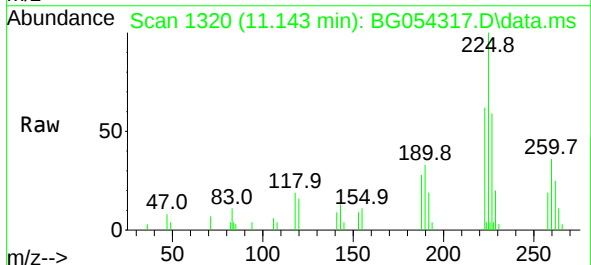
Manual Integrations
APPROVED

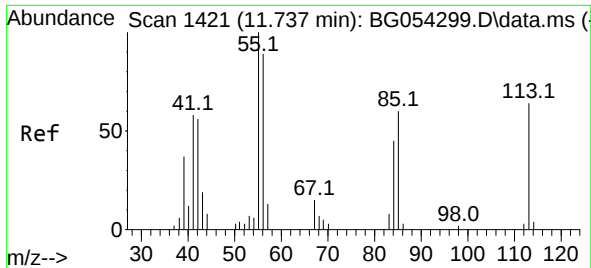
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#34
Hexachlorobutadiene
Concen: 7.883 ng
RT: 11.143 min Scan# 1320
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

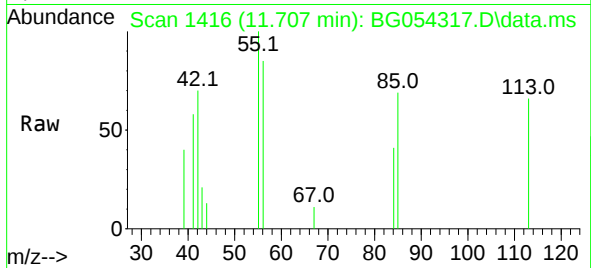
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	48.9	73.3
227	60.6	52.8	79.2





#35
Caprolactam
Concen: 6.203 ng
RT: 11.707 min Scan# 1416
Delta R.T. -0.030 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

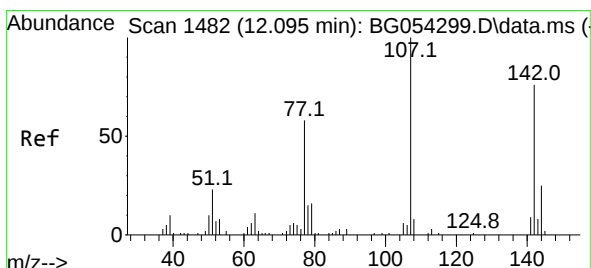
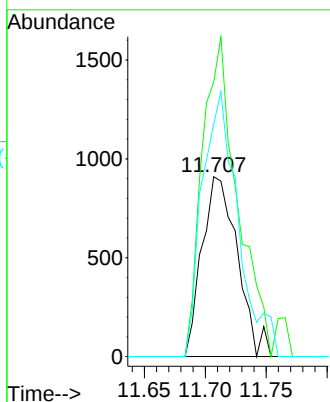
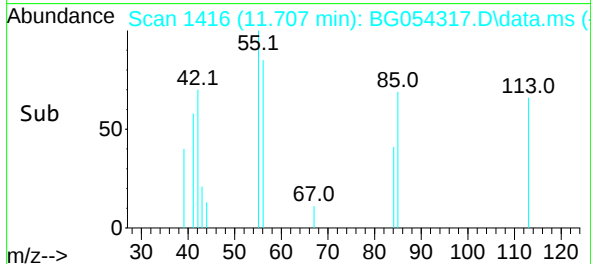
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



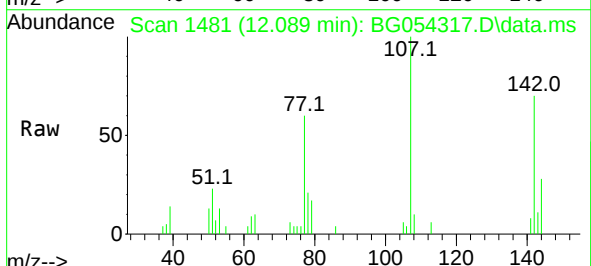
Tgt Ion:113 Resp: 183
Ion Ratio Lower Upper
113 100
55 152.4 169.8 209.8
56 129.1 141.2 181.2

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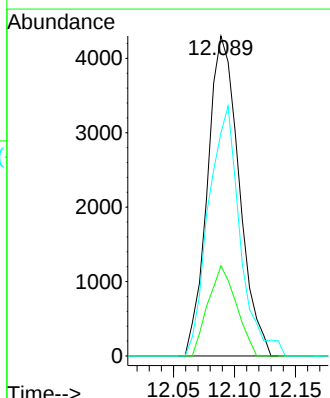
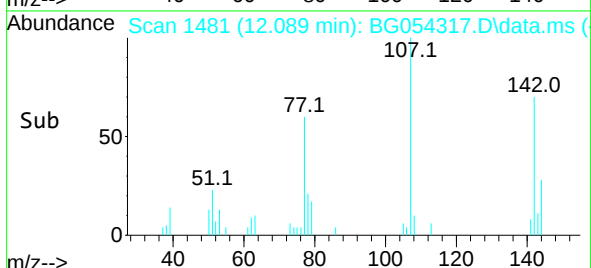
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#36
4-Chloro-3-methylphenol
Concen: 7.259 ng
RT: 12.089 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



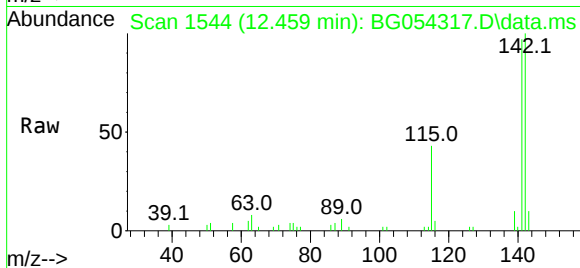
Tgt Ion:107 Resp: 7751
Ion Ratio Lower Upper
107 100
144 28.2 18.5 27.7
142 69.7 55.0 82.4





#37
2-Methylnaphthalene
Concen: 7.382 ng
RT: 12.459 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

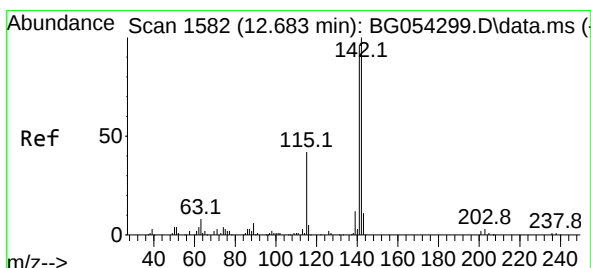
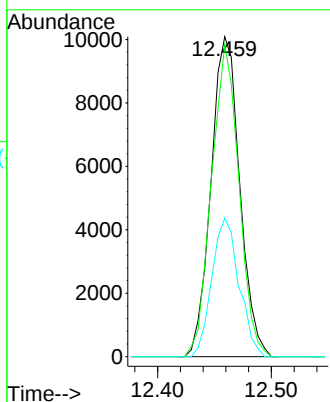
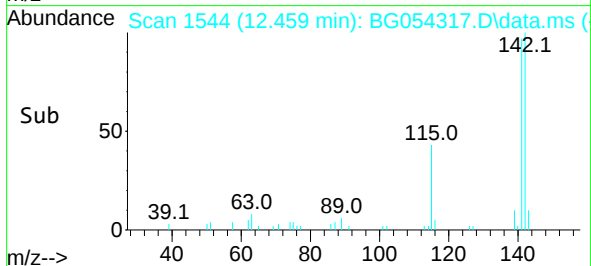
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



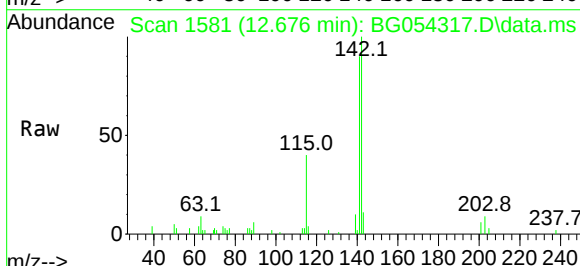
Tgt Ion:142 Resp: 17700
Ion Ratio Lower Upper
142 100
141 97.5 72.3 108.5
115 43.3 33.7 50.5

Manual Integrations
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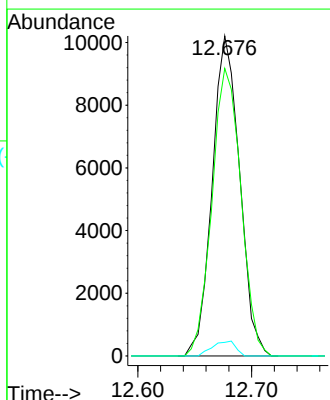
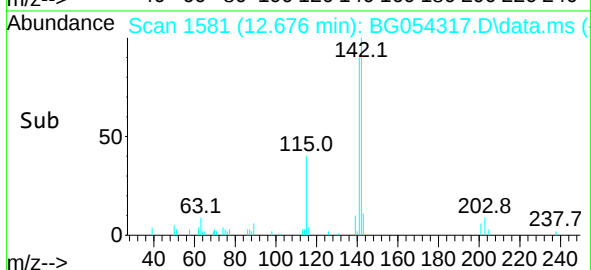
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

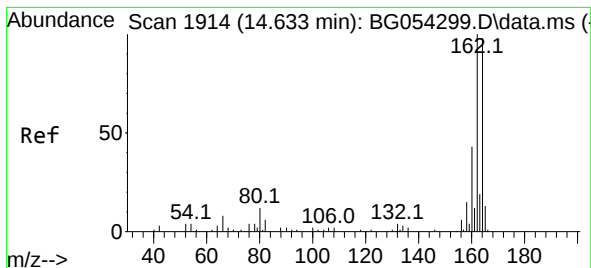


#38
1-Methylnaphthalene
Concen: 7.311 ng
RT: 12.676 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



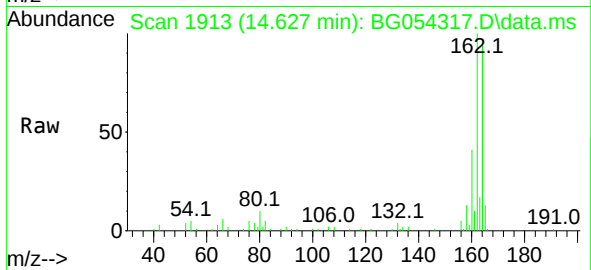
Tgt Ion:142 Resp: 17089
Ion Ratio Lower Upper
142 100
141 89.9 76.4 114.6
116 4.3 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.627 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

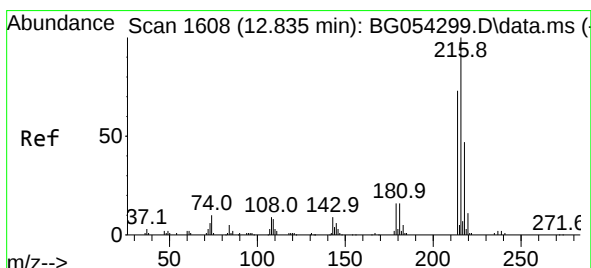
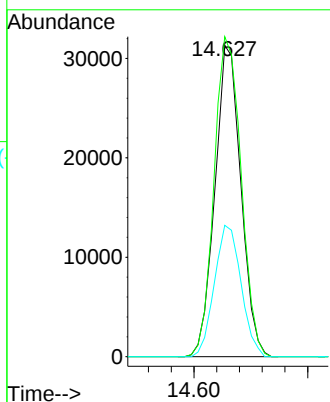
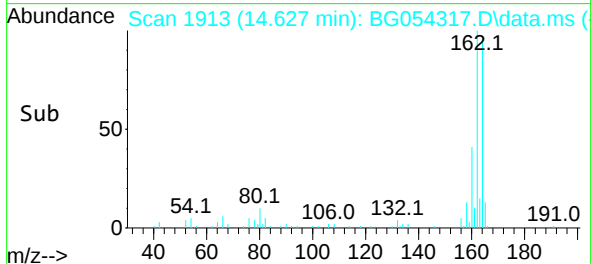
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



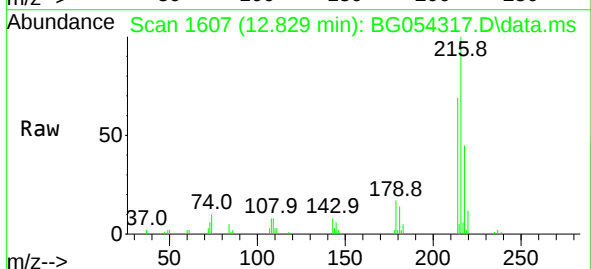
Tgt Ion:164 Resp: 49684
Ion Ratio Lower Upper
164 100
162 102.8 82.3 123.5
160 42.2 34.2 51.2

Manual Integrations
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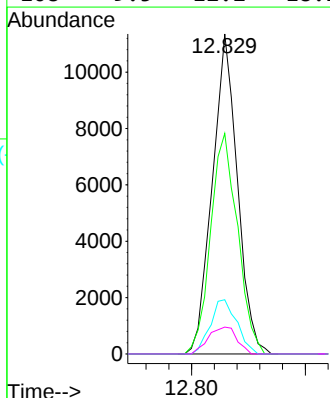
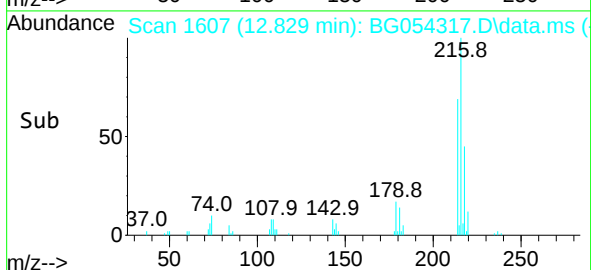
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

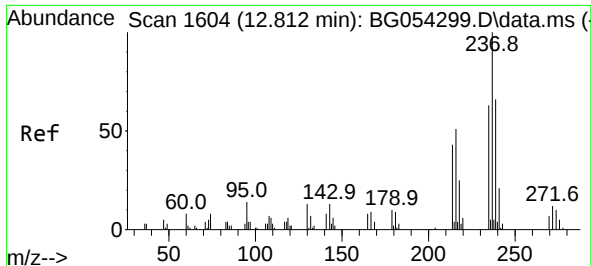


#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.991 ng
RT: 12.829 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



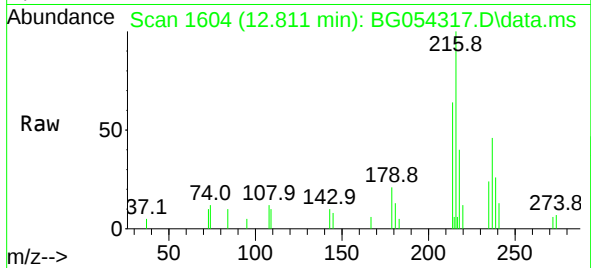
Tgt Ion:216 Resp: 17395
Ion Ratio Lower Upper
216 100
214 74.1 62.9 94.3
179 17.9 16.1 24.1
108 9.5 12.2 18.2#





#41
Hexachlorocyclopentadiene
Concen: 3.717 ng
RT: 12.811 min Scan# 10
Delta R.T. -0.001 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

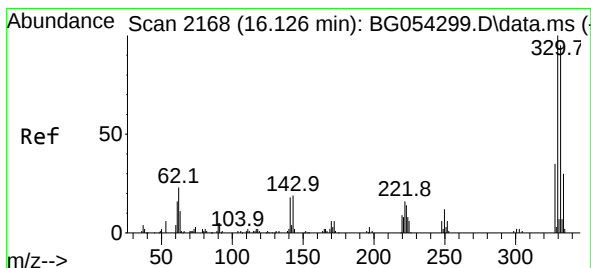
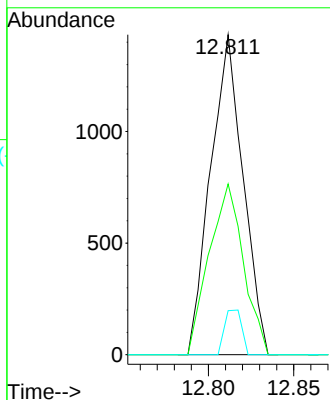
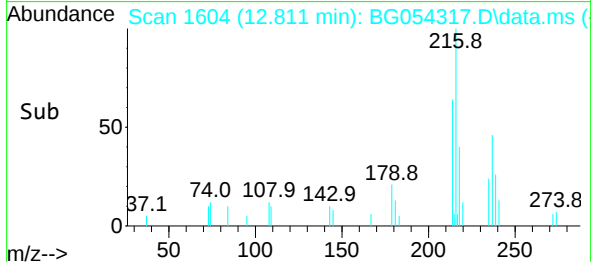
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



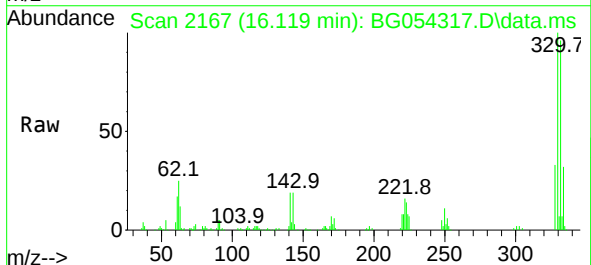
Tgt Ion:237 Resp: 1898
Ion Ratio Lower Upper
237 100
235 53.3 43.5 83.5
272 13.7 0.0 30.1

Manual Integrations
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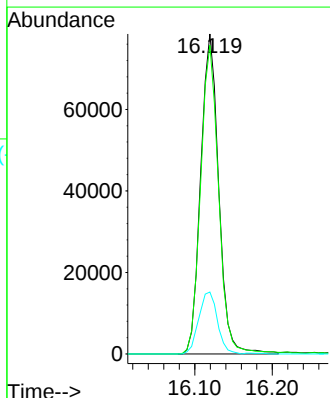
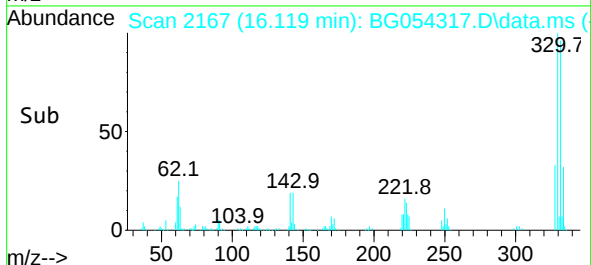
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

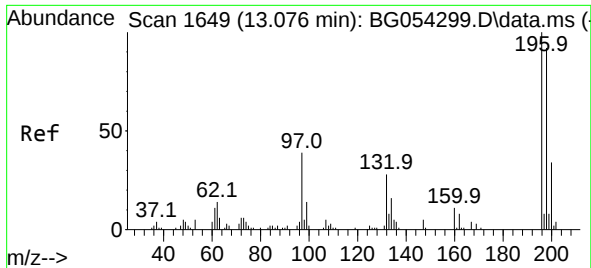


#42
2,4,6-Tribromophenol
Concen: 121.434 ng
RT: 16.119 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



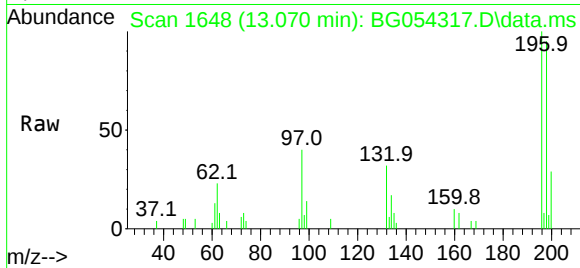
Tgt Ion:330 Resp: 126677
Ion Ratio Lower Upper
330 100
332 97.0 76.0 114.0
141 20.0 27.1 40.7#





#43
2,4,6-Trichlorophenol
Concen: 7.270 ng
RT: 13.070 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

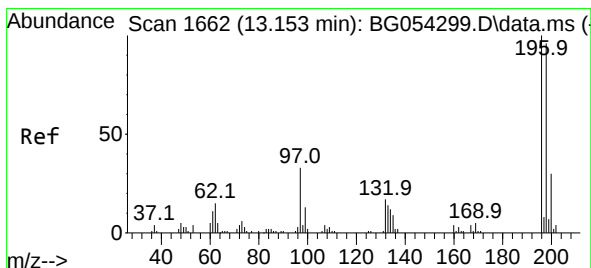
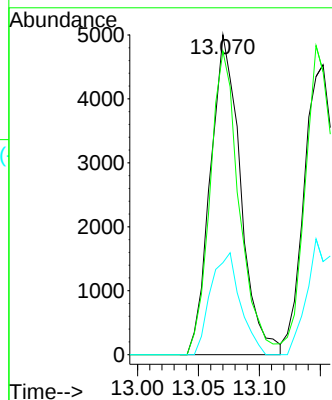
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



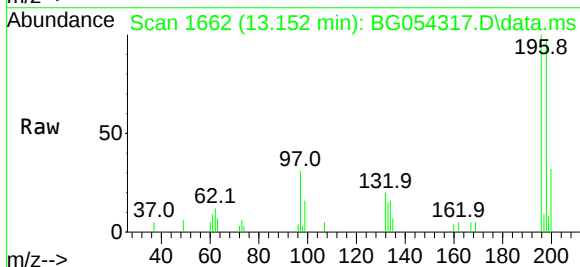
Tgt Ion:196 Resp: 8610
Ion Ratio Lower Upper
196 100
198 94.8 74.1 111.1
200 28.7 24.7 37.1

Manual Integrations
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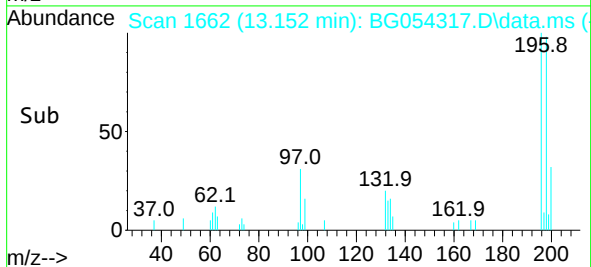
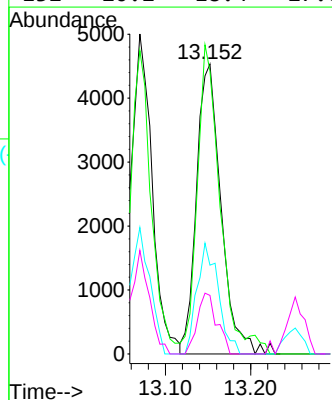
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

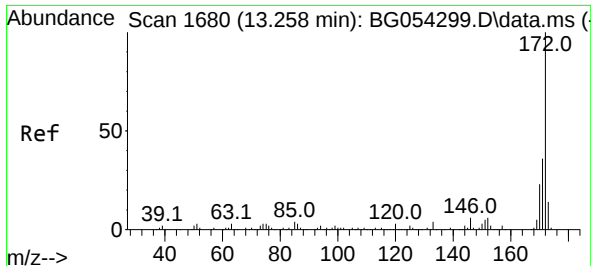


#44
2,4,5-Trichlorophenol
Concen: 6.795 ng
RT: 13.152 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



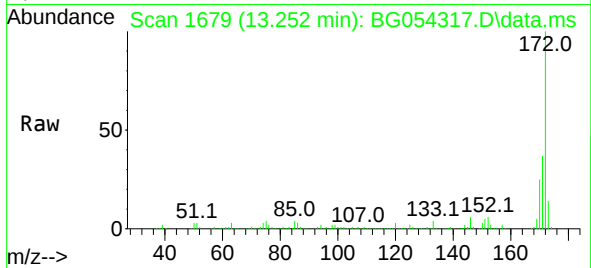
Tgt Ion:196 Resp: 9099
Ion Ratio Lower Upper
196 100
198 97.6 76.8 115.2
97 30.7 39.8 59.6#
132 20.2 18.4 27.6





#45
2-Fluorobiphenyl
Concen: 88.058 ng
RT: 13.252 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

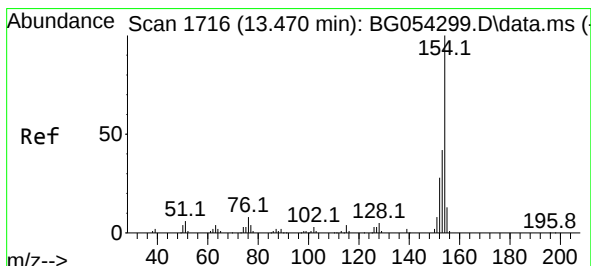
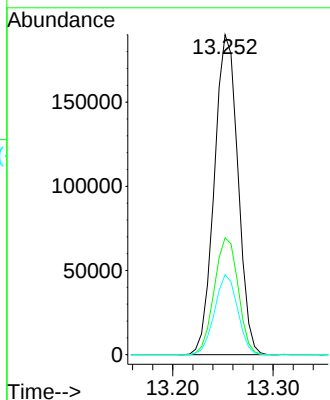
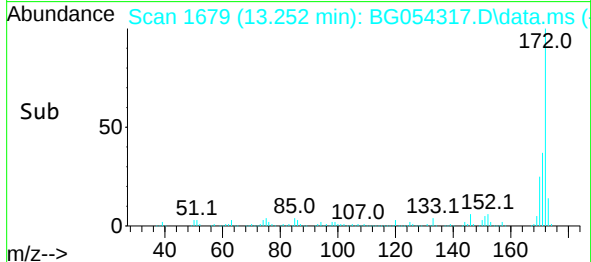
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:172 Resp: 310130
Ion Ratio Lower Upper
172 100
171 36.5 28.5 42.7
170 25.0 18.9 28.3

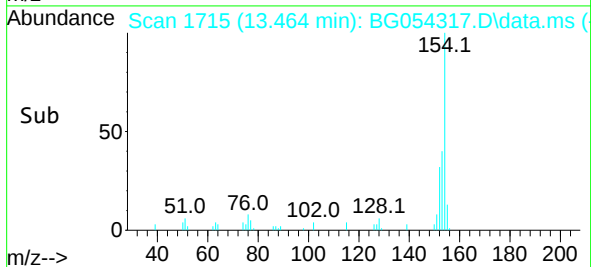
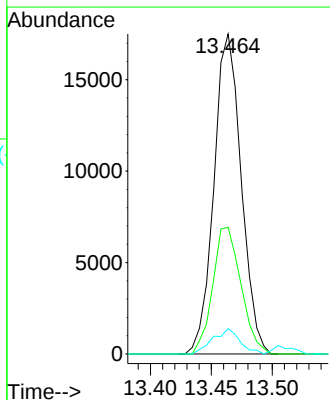
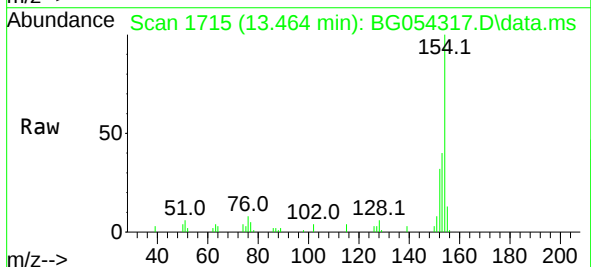
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#46
1,1'-Biphenyl
Concen: 8.022 ng
RT: 13.464 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

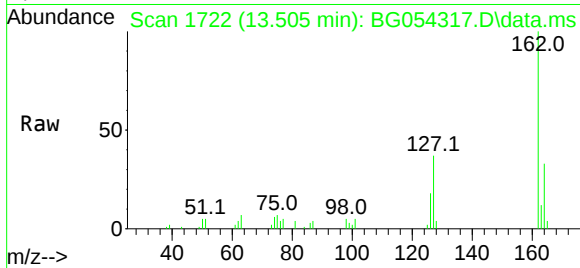
Tgt Ion:154 Resp: 27266
Ion Ratio Lower Upper
154 100
153 39.6 21.6 61.6
76 8.0 0.0 32.6





#47
2-Chloronaphthalene
Concen: 7.714 ng
RT: 13.505 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

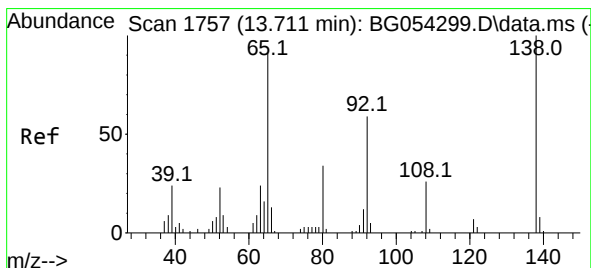
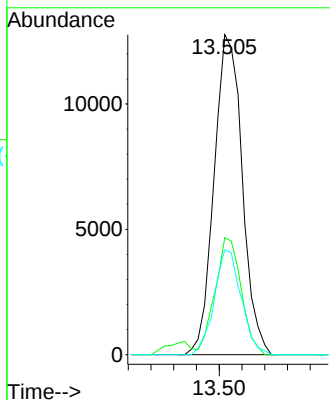
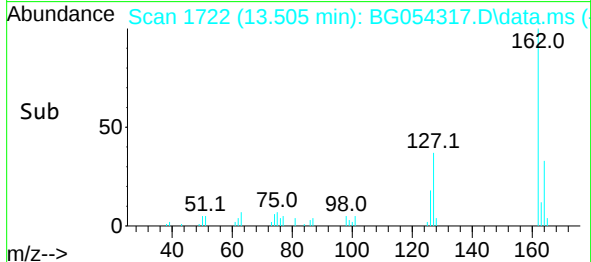
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT2-2022



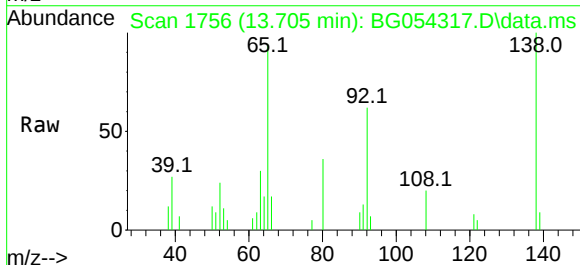
Tgt Ion:162 Resp: 21944
Ion Ratio Lower Upper
162 100
127 36.5 30.6 45.8
164 32.7 26.5 39.7

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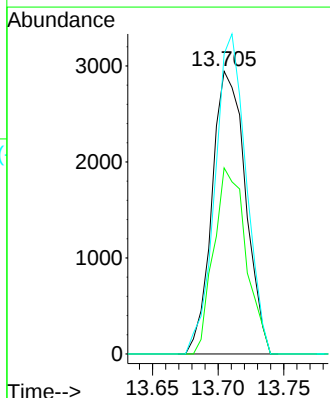
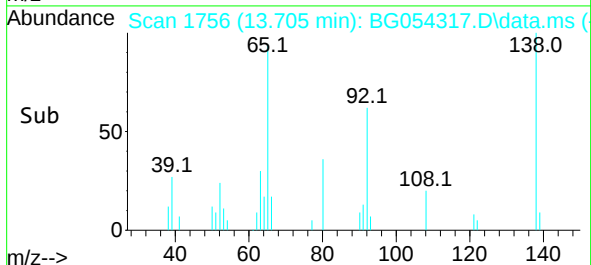
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

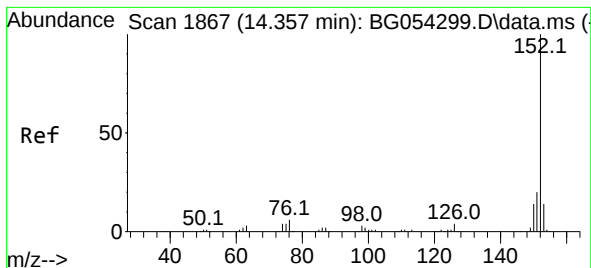


#48
2-Nitroaniline
Concen: 7.033 ng
RT: 13.705 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



Tgt Ion: 65 Resp: 5221
Ion Ratio Lower Upper
65 100
92 65.9 51.5 77.3
138 106.1 71.3 106.9





#49

Acenaphthylene

Concen: 7.836 ng

RT: 14.351 min Scan# 1866

Delta R.T. -0.006 min

Lab File: BG054317.D

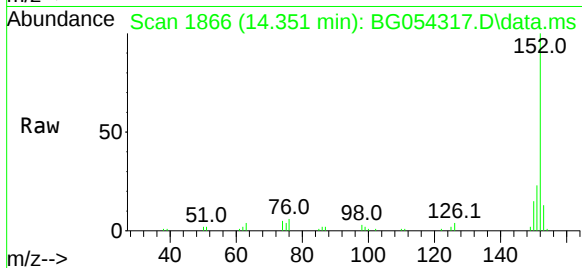
Acq: 19 Jul 2022 14:06

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2022



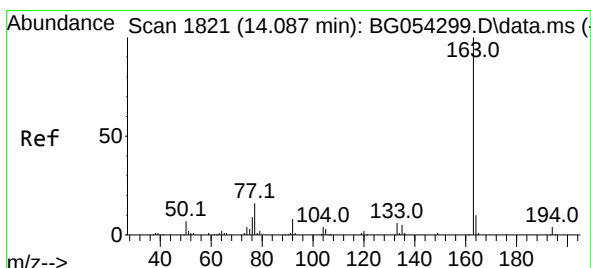
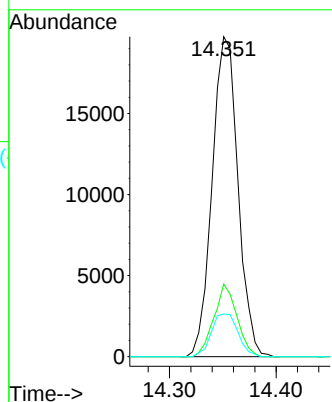
Tgt Ion:	152	Resp:	3312
Ion Ratio	Lower	Upper	
152	100		
151	22.7	16.4	24.6
153	13.4	10.8	16.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/20/2022

Supervised By :Jagrut Upadhyay 07/20/2022



#50

Dimethylphthalate

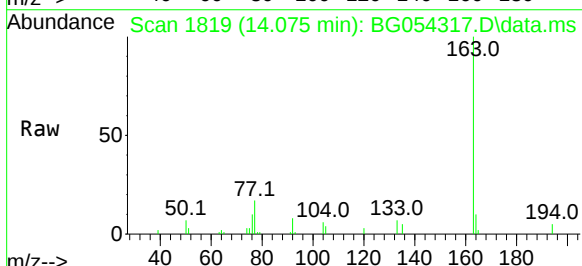
Concen: 7.525 ng

RT: 14.075 min Scan# 1819

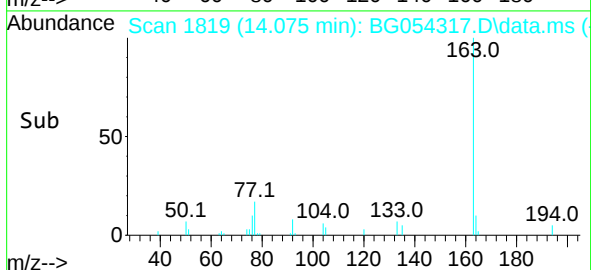
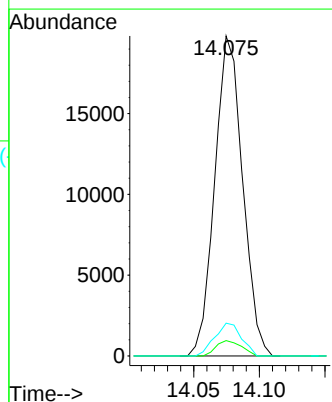
Delta R.T. -0.012 min

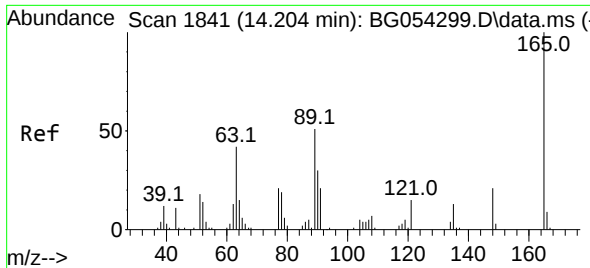
Lab File: BG054317.D

Acq: 19 Jul 2022 14:06



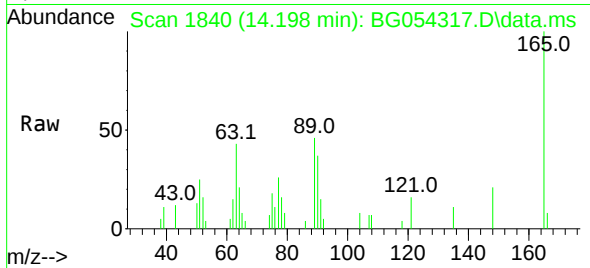
Tgt Ion:	163	Resp:	29202
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.0	4.6#
164	10.2	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 7.218 ng
RT: 14.198 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

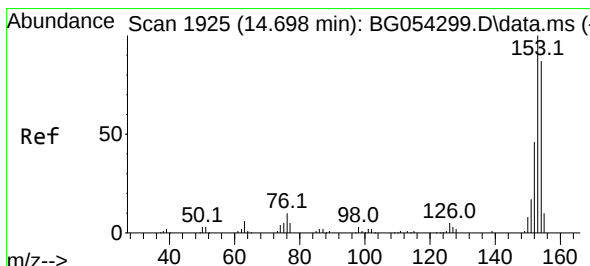
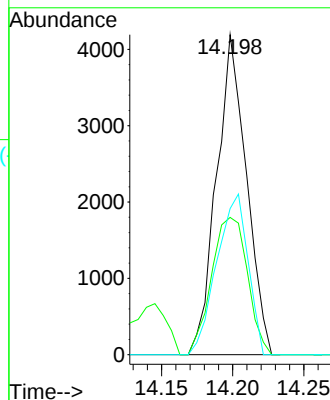
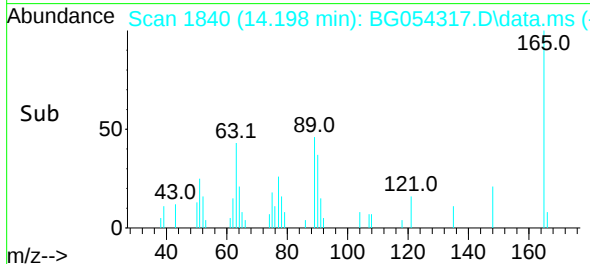
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



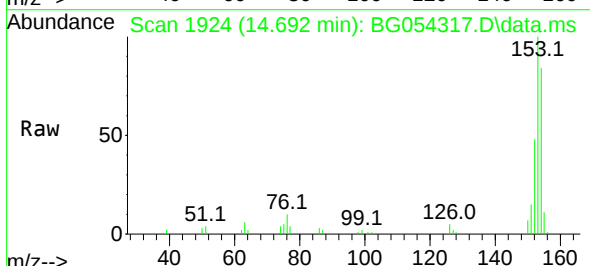
Tgt Ion:165 Resp: 6144
Ion Ratio Lower Upper
165 100
63 42.9 54.1 81.1
89 45.6 54.8 82.2

Manual Integrations
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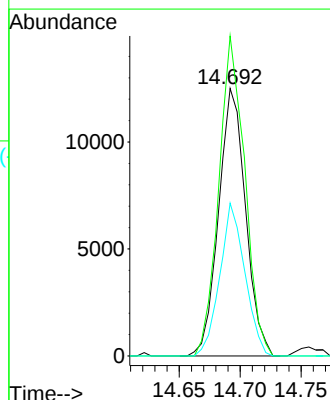
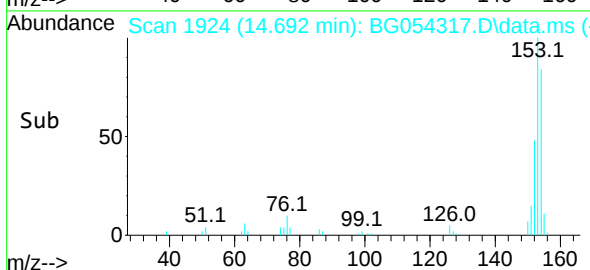
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

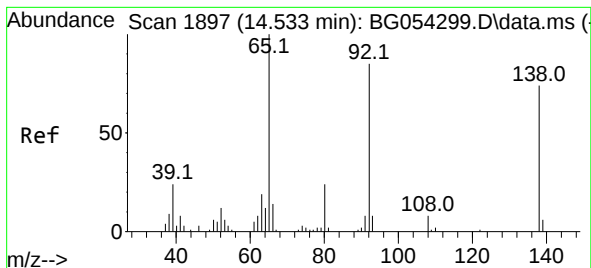


#52
Acenaphthene
Concen: 7.522 ng
RT: 14.692 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



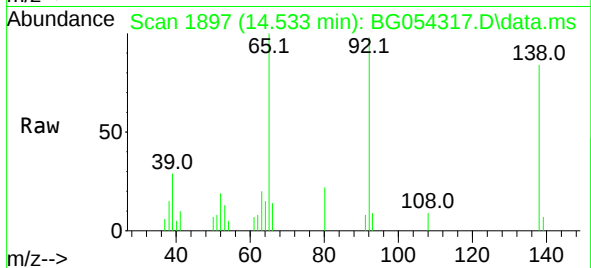
Tgt Ion:154 Resp: 19253
Ion Ratio Lower Upper
154 100
153 119.6 92.7 139.1
152 57.1 42.6 64.0





#53
3-Nitroaniline
Concen: 6.921 ng
RT: 14.533 min Scan# 1897
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

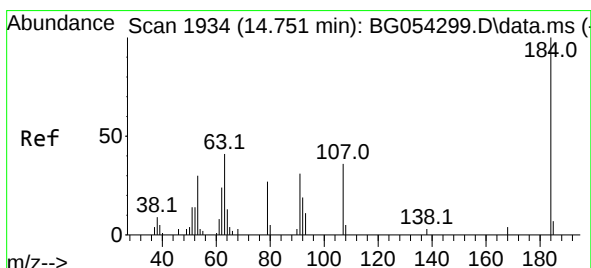
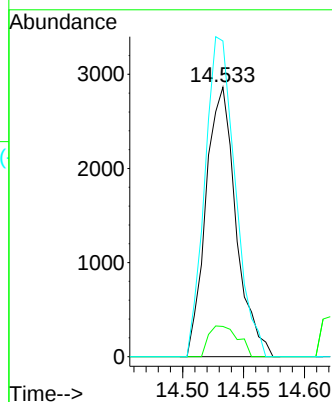
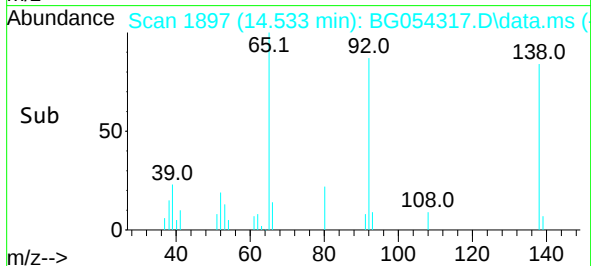
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



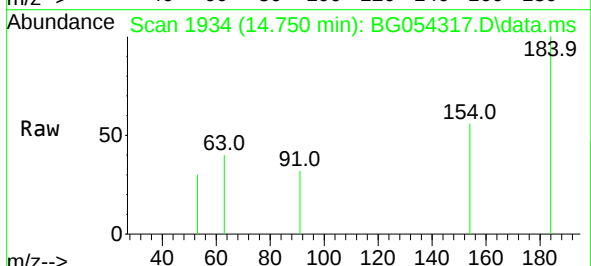
Tgt Ion:138 Resp: 492
Ion Ratio Lower Upper
138 100
108 11.2 9.2 13.8
92 117.1 101.9 152.9

Manual Integrations
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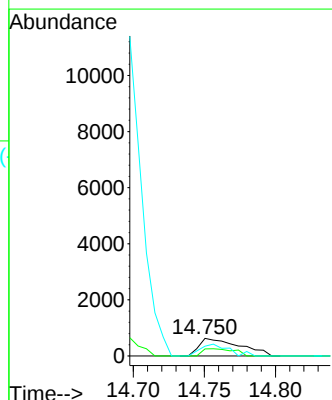
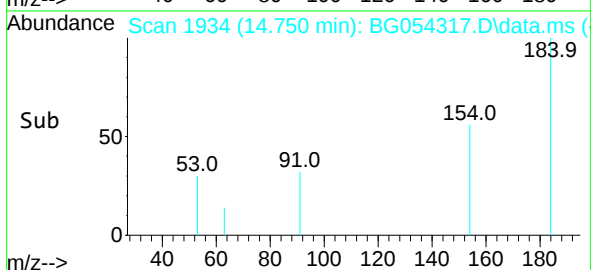
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

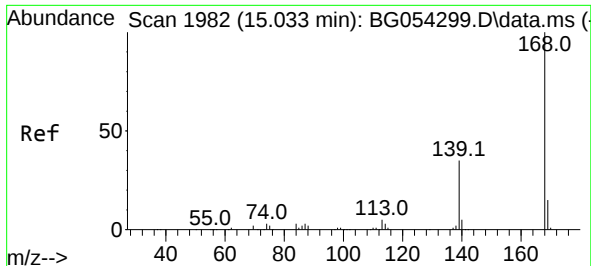


#54
2,4-Dinitrophenol
Concen: 3.010 ng
RT: 14.750 min Scan# 1934
Delta R.T. -0.001 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



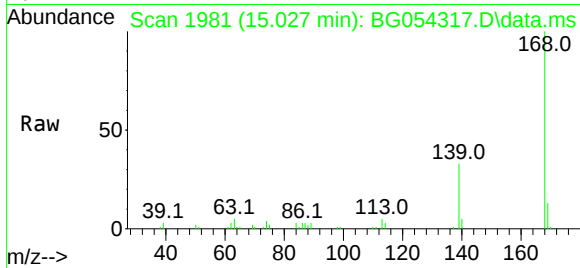
Tgt Ion:184 Resp: 1245
Ion Ratio Lower Upper
184 100
63 40.5 61.1 91.7#
154 56.0 60.6 91.0#





#55
Dibenzenofuran
Concen: 7.668 ng
RT: 15.027 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

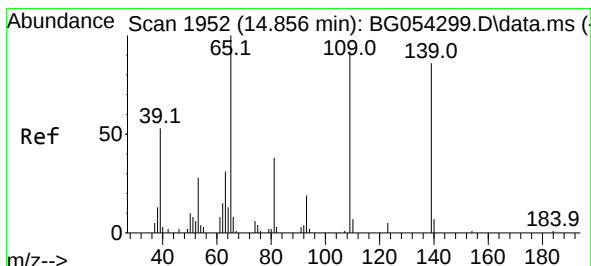
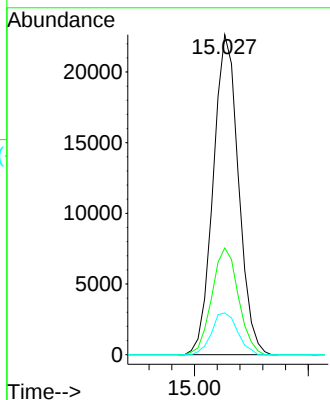
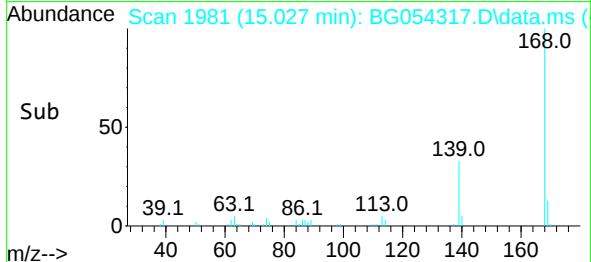
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:168 Resp: 3492
Ion Ratio Lower Upper
168 100
139 33.3 30.5 45.7
169 13.1 10.3 15.5

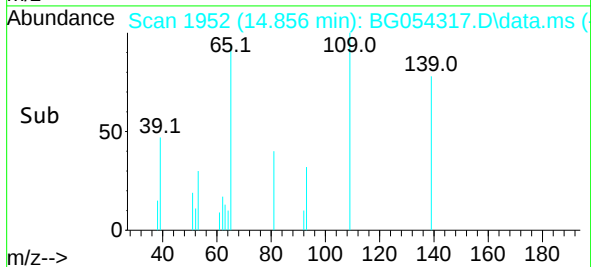
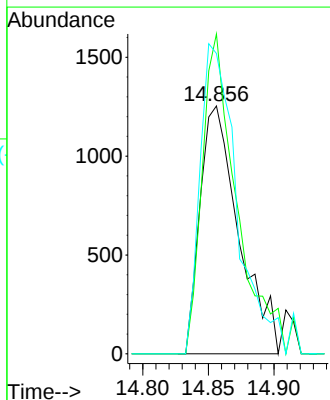
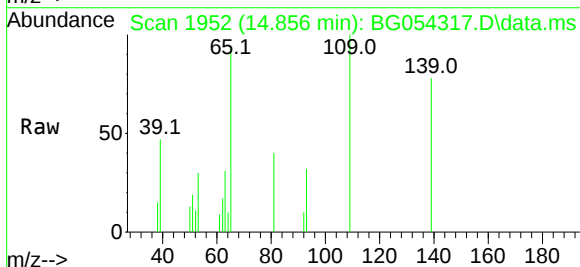
Manual Integrations
APPROVED

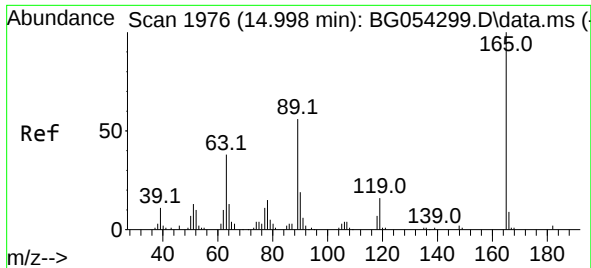
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#56
4-Nitrophenol
Concen: 5.430 ng
RT: 14.856 min Scan# 1952
Delta R.T. 0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

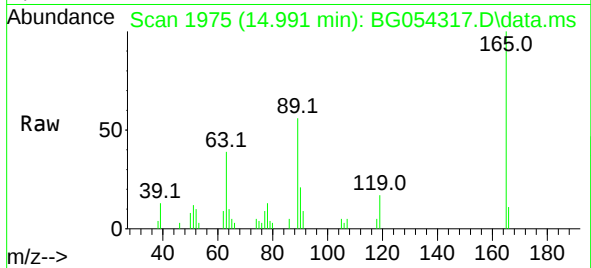
Tgt Ion:139 Resp: 2579
Ion Ratio Lower Upper
139 100
109 129.0 88.5 128.5#
65 121.1 93.9 133.9





#57
2,4-Dinitrotoluene
Concen: 7.450 ng
RT: 14.991 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

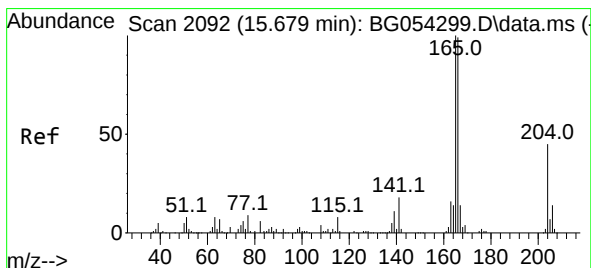
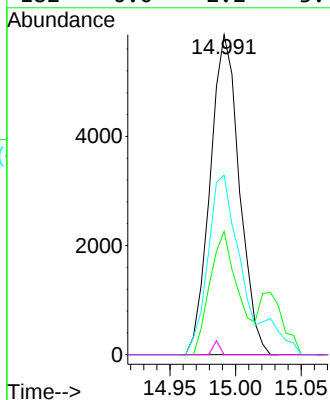
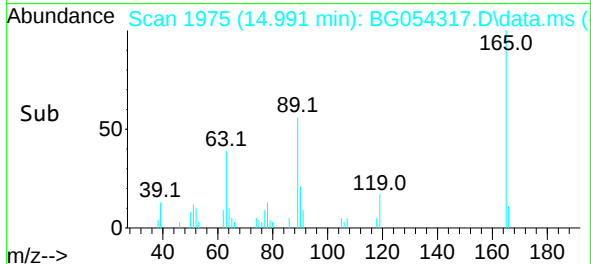
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



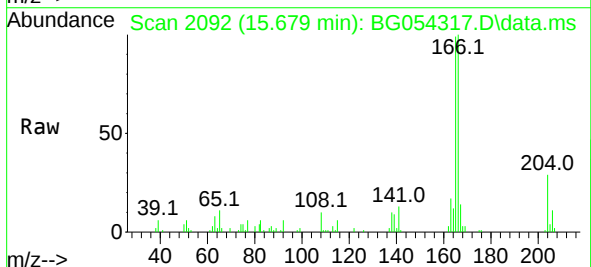
Tgt Ion:165 Resp: 909
Ion Ratio Lower Upper
165 100
63 38.5 34.6 52.0
89 56.1 60.3 90.5
182 0.0 2.2 3.4#

Manual Integrations
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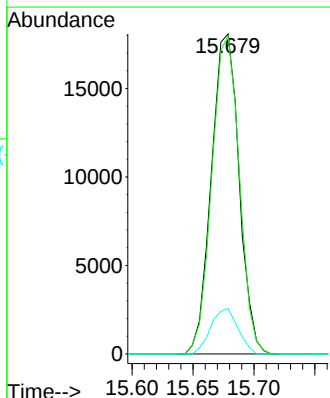
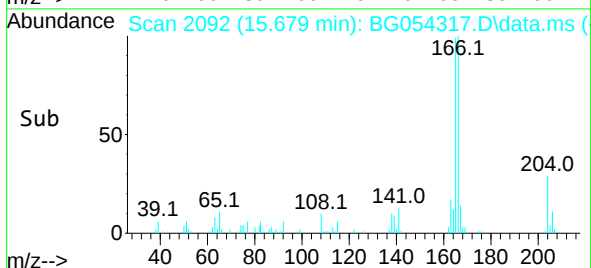
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

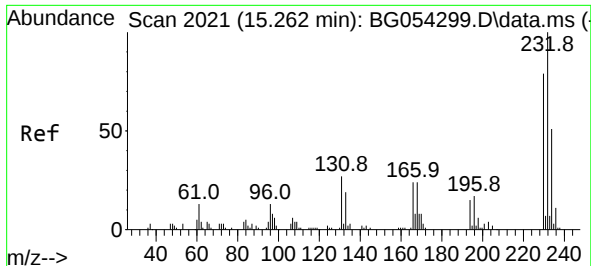


#58
Fluorene
Concen: 7.637 ng
RT: 15.679 min Scan# 2092
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



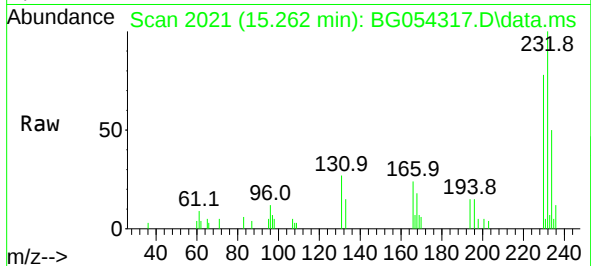
Tgt Ion:166 Resp: 28597
Ion Ratio Lower Upper
166 100
165 99.4 75.0 112.6
167 14.2 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.852 ng
RT: 15.262 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

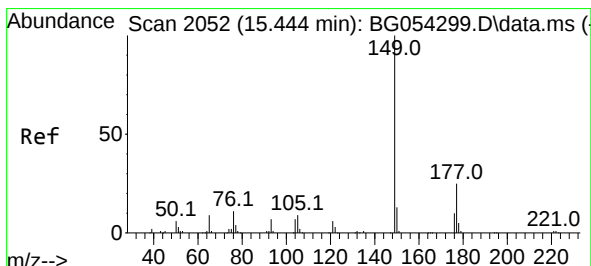
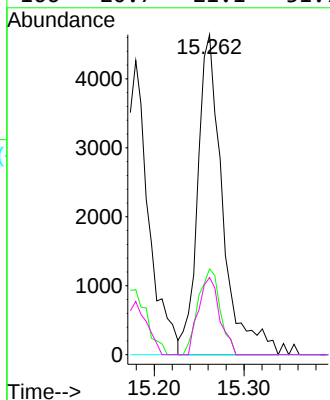
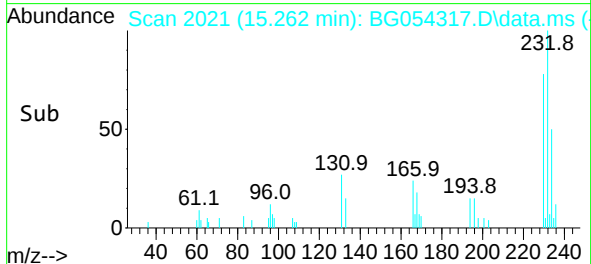
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



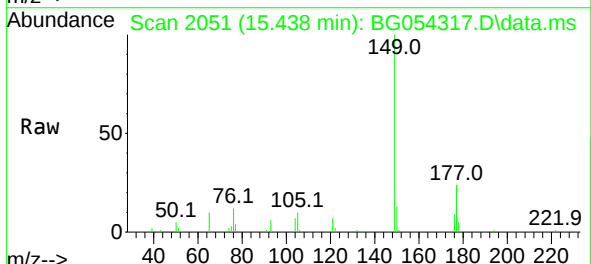
Tgt Ion:232 Resp: 8934
Ion Ratio Lower Upper
232 100
131 23.8 30.6 46.0
130 0.0 1.8 2.8
166 20.7 21.1 31.7

Manual Integrations
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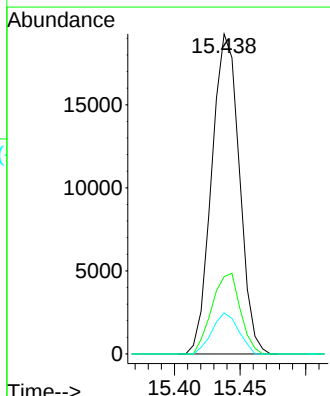
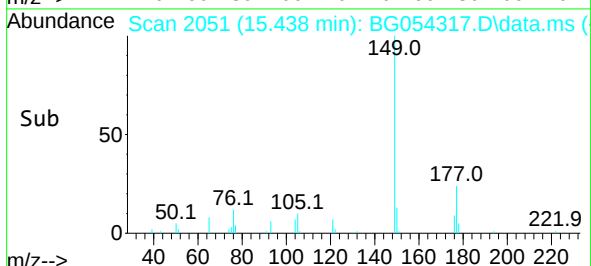
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

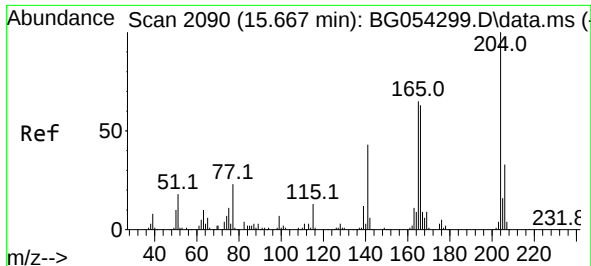


#60
Diethylphthalate
Concen: 7.581 ng
RT: 15.438 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



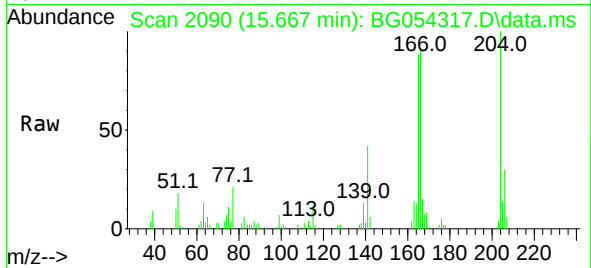
Tgt Ion:149 Resp: 28225
Ion Ratio Lower Upper
149 100
177 24.1 18.4 27.6
150 12.9 11.2 16.8





#61
4-Chlorophenyl-phenylether
Concen: 7.794 ng
RT: 15.667 min Scan# 2090
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

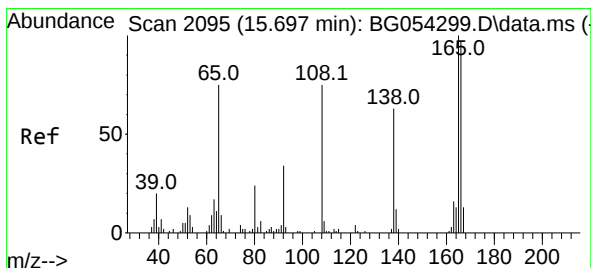
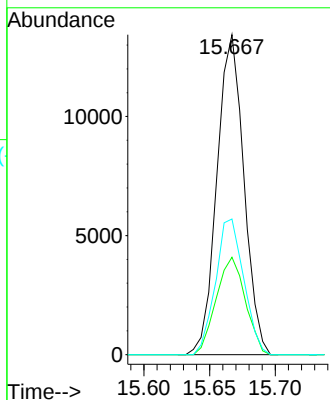
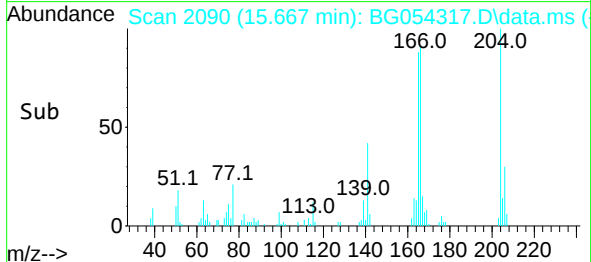
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



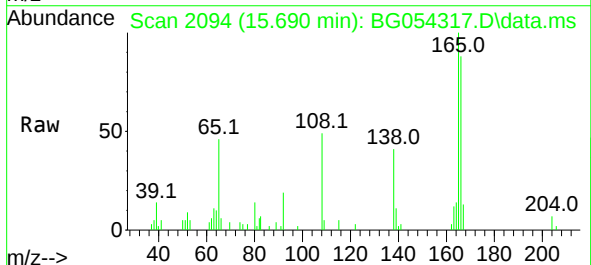
Tgt Ion:204 Resp: 1915
Ion Ratio Lower Upper
204 100
206 30.5 27.5 41.3
141 42.4 45.3 67.9

Manual Integrations
APPROVED

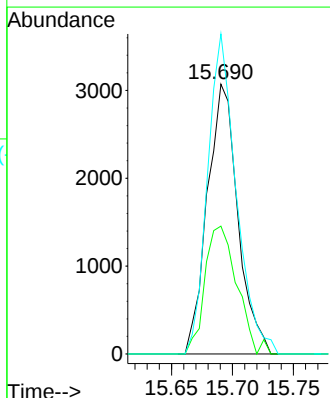
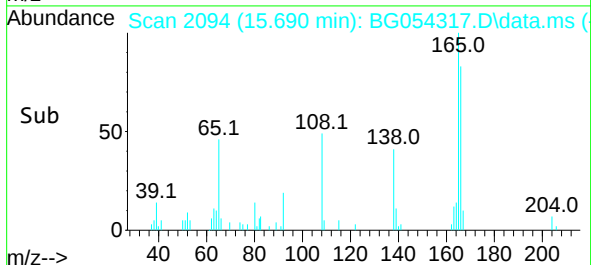
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

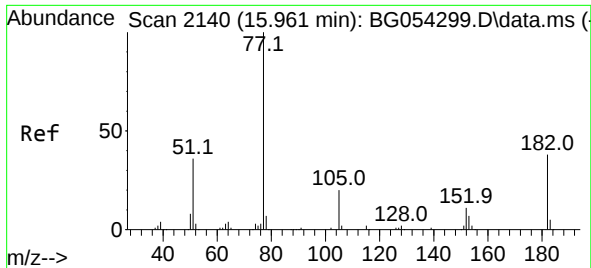


#62
4-Nitroaniline
Concen: 7.152 ng
RT: 15.690 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



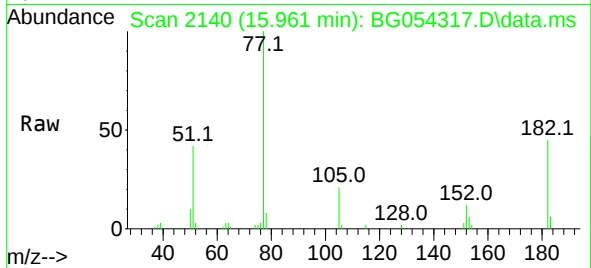
Tgt Ion:138 Resp: 5349
Ion Ratio Lower Upper
138 100
92 47.4 40.5 80.5
108 118.6 103.7 143.7





#63
Azobenzene
Concen: 7.552 ng
RT: 15.961 min Scan# 2140
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

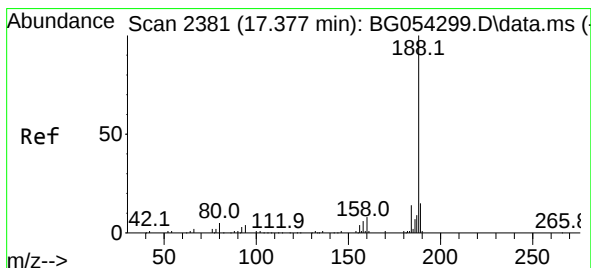
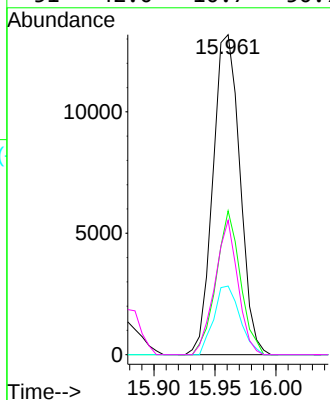
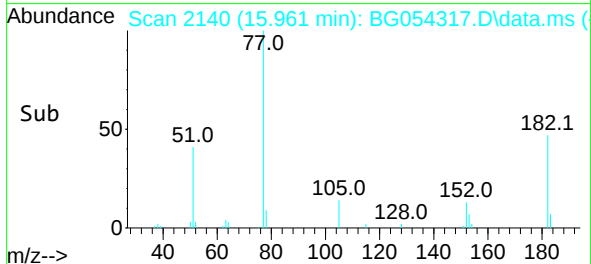
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



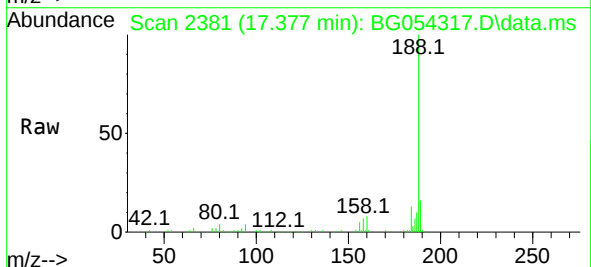
Tgt Ion: 77 Resp: 20310
Ion Ratio Lower Upper
77 100
182 45.0 3.8 43.8#
105 21.5 0.0 37.8#
51 42.0 10.7 50.7#

Manual Integrations
APPROVED

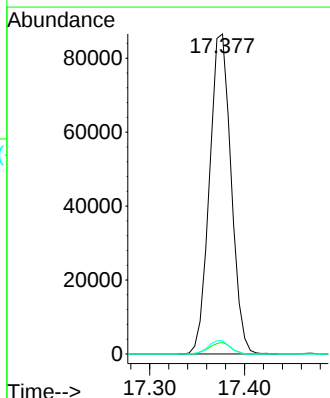
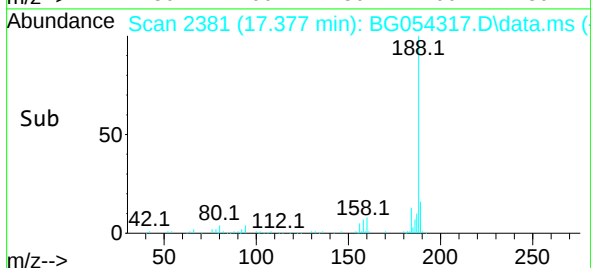
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

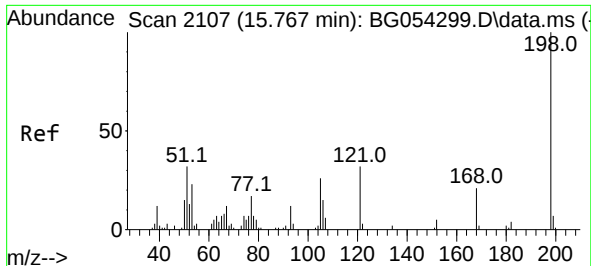


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.377 min Scan# 2381
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



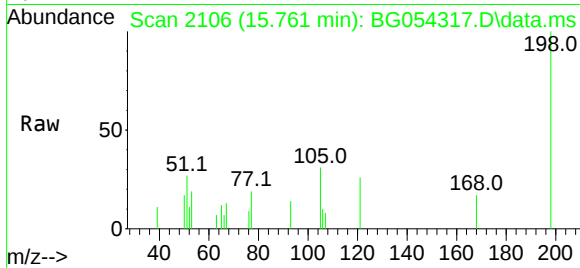
Tgt Ion:188 Resp: 136826
Ion Ratio Lower Upper
188 100
94 3.7 5.4 8.0#
80 4.2 6.8 10.2#





#65
4,6-Dinitro-2-methylphenol
Concen: 5.196 ng
RT: 15.761 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

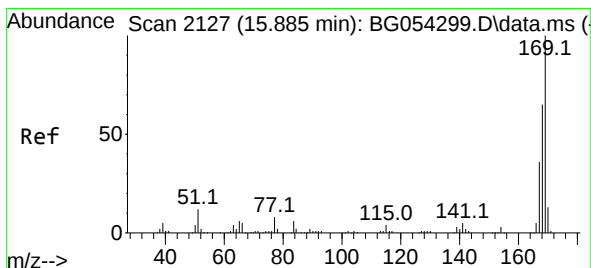
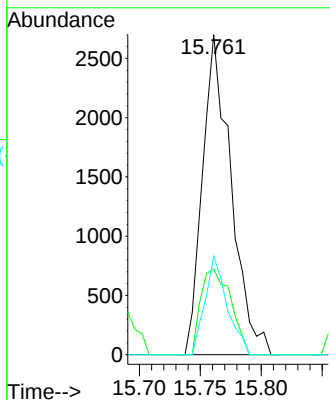
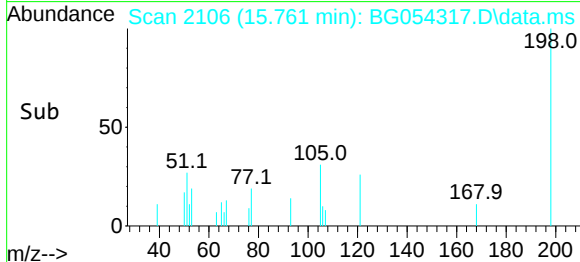
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT2-2022



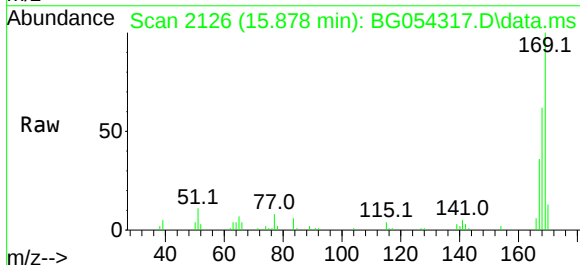
Tgt Ion:198 Resp: 4392
Ion Ratio Lower Upper
198 100
51 26.7 28.1 68.1
105 30.8 20.3 60.3

Manual Integrations
APPROVED

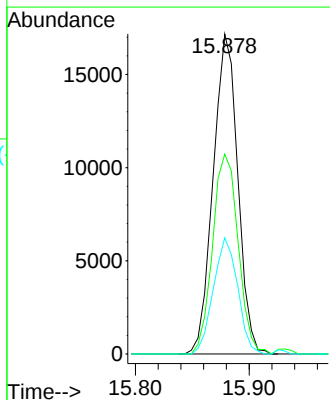
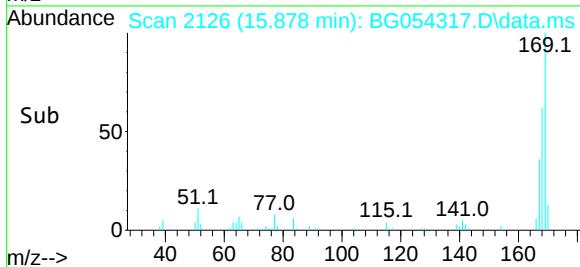
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#66
n-Nitrosodiphenylamine
Concen: 7.564 ng
RT: 15.878 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



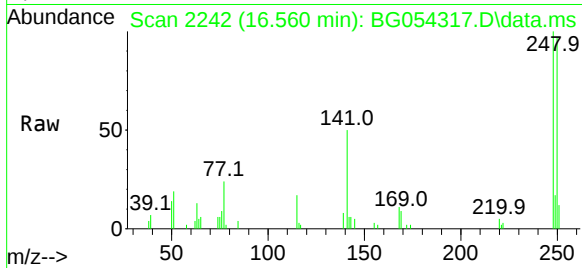
Tgt Ion:169 Resp: 25838
Ion Ratio Lower Upper
169 100
168 62.5 55.9 83.9
167 36.3 30.6 46.0





#67
4-Bromophenyl-phenylether
Concen: 7.468 ng
RT: 16.560 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

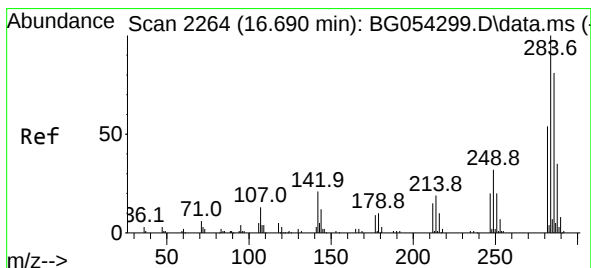
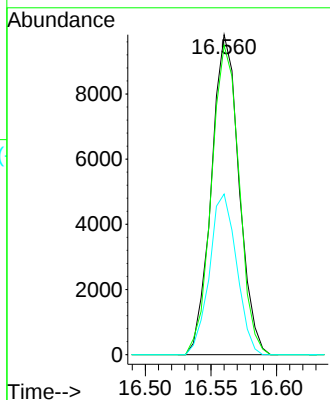
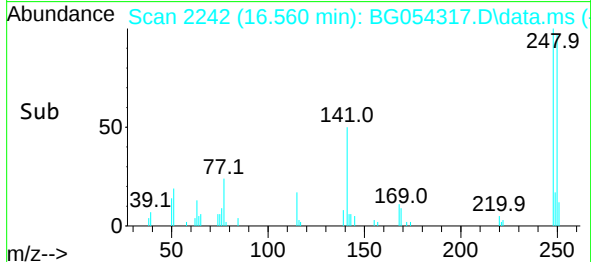
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



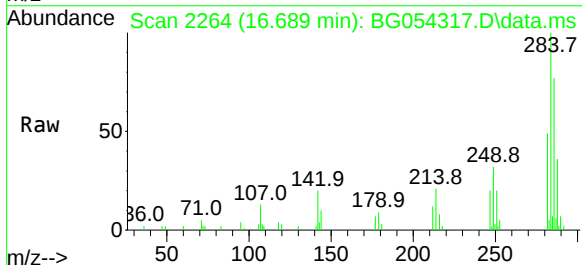
Tgt Ion:248 Resp: 14350
Ion Ratio Lower Upper
248 100
250 96.6 75.2 112.8
141 50.2 50.0 75.0

Manual Integrations
APPROVED

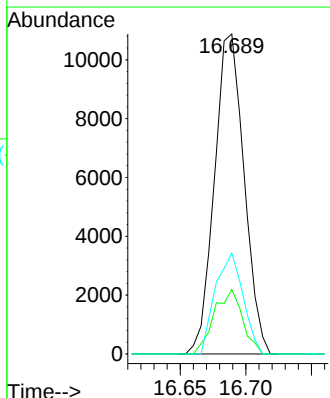
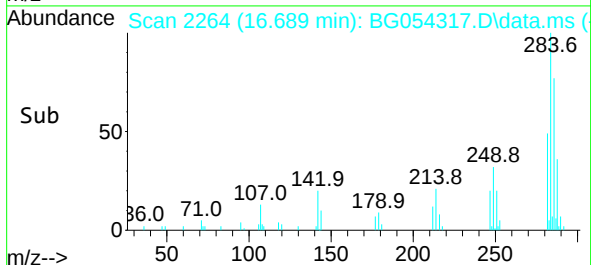
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

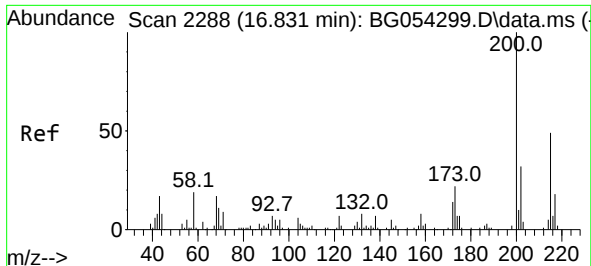


#68
Hexachlorobenzene
Concen: 7.773 ng
RT: 16.689 min Scan# 2264
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



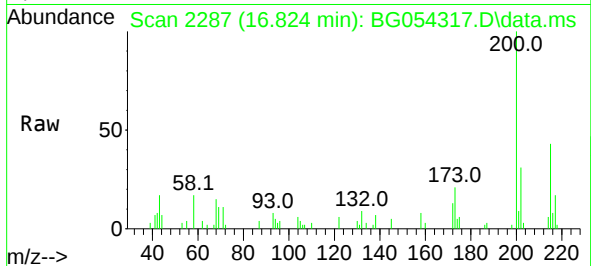
Tgt Ion:284 Resp: 17082
Ion Ratio Lower Upper
284 100
142 20.1 23.6 35.4#
249 34.5 25.8 38.6





#69
 Atrazine
 Concen: 8.261 ng
 RT: 16.824 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054317.D
 Acq: 19 Jul 2022 14:06

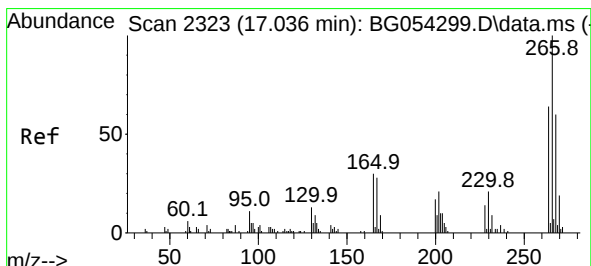
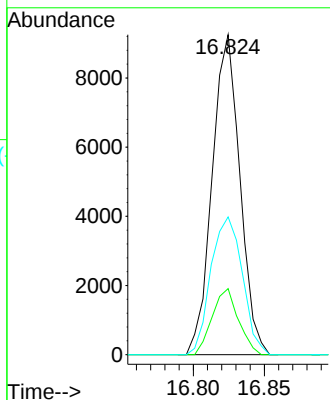
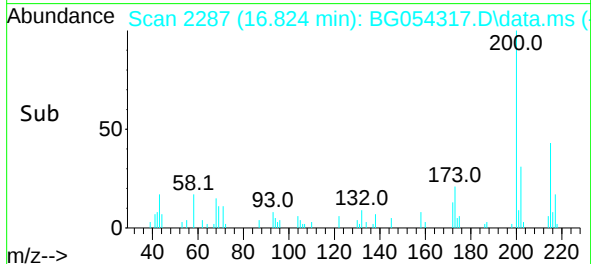
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



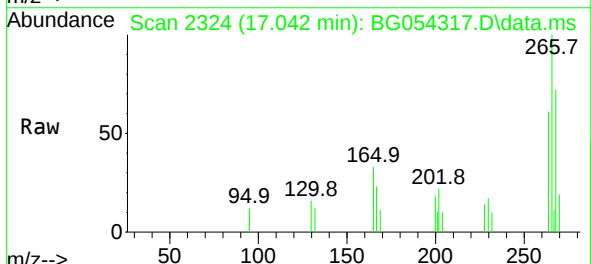
Tgt Ion:200 Resp: 12558
 Ion Ratio Lower Upper
 200 100
 173 20.6 3.7 43.7
 215 43.0 25.2 65.2

Manual Integrations
 APPROVED

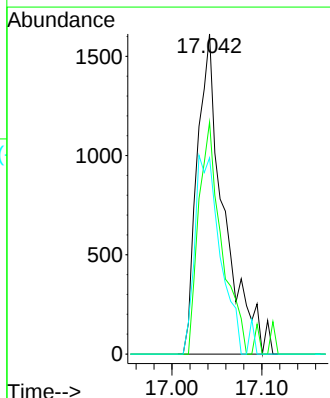
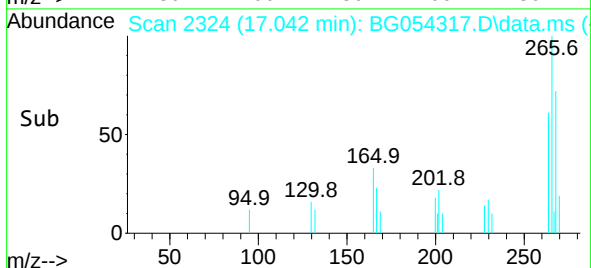
Reviewed By :Christian Giraldo 07/20/2022
 Supervised By :Jagrut Upadhyay 07/20/2022

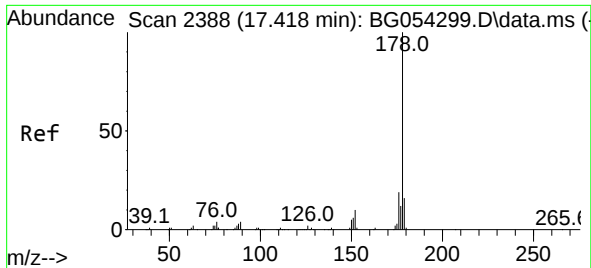


#70
 Pentachlorophenol
 Concen: 3.885 ng
 RT: 17.042 min Scan# 2324
 Delta R.T. 0.006 min
 Lab File: BG054317.D
 Acq: 19 Jul 2022 14:06



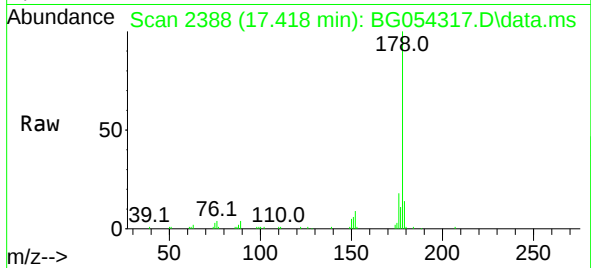
Tgt Ion:266 Resp: 3341
 Ion Ratio Lower Upper
 266 100
 268 72.5 56.2 84.2
 264 61.3 53.0 79.4





#71
Phenanthrene
Concen: 7.449 ng
RT: 17.418 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

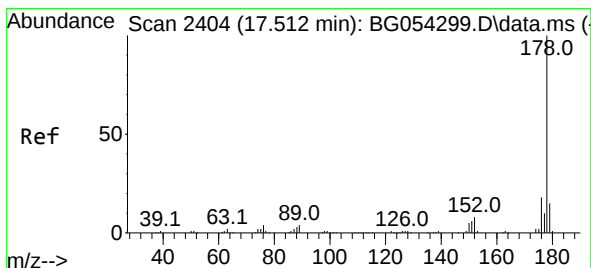
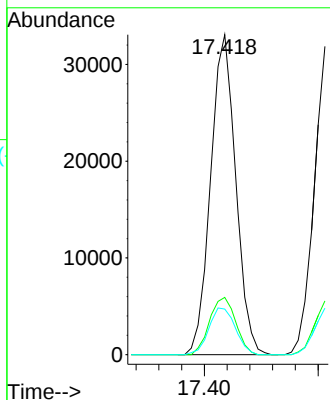
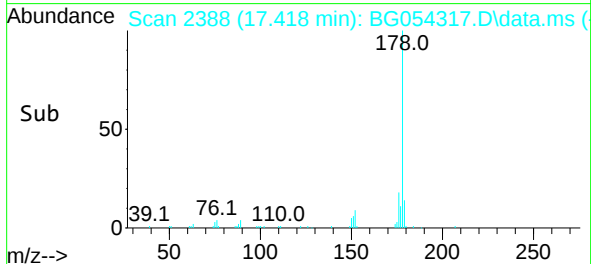
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



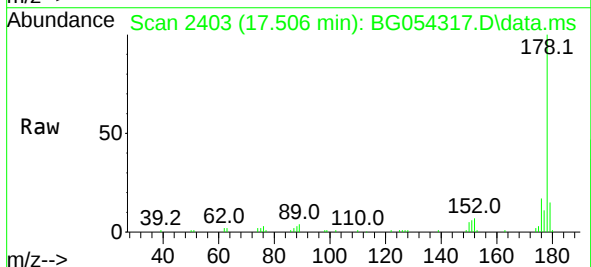
Tgt Ion:178 Resp: 5075
Ion Ratio Lower Upper
178 100
176 17.9 14.1 21.1
179 14.3 12.1 18.1

Manual Integrations
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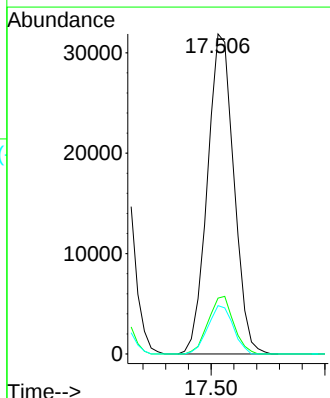
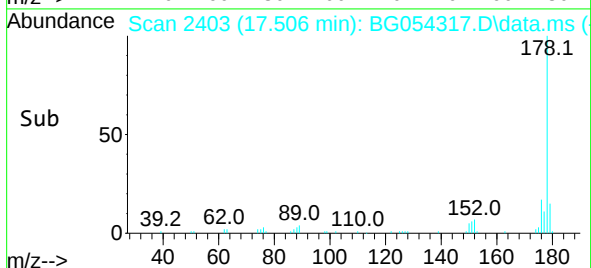
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

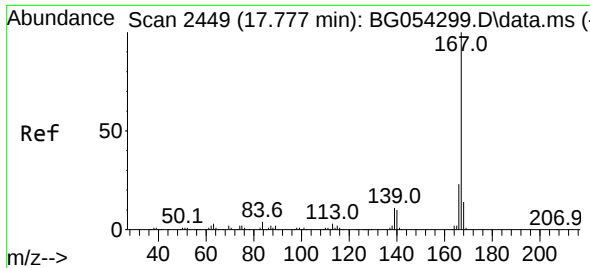


#72
Anthracene
Concen: 7.709 ng
RT: 17.506 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



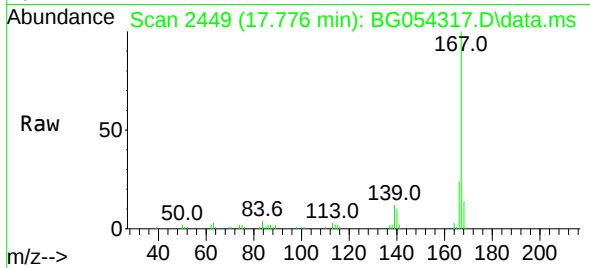
Tgt Ion:178 Resp: 51548
Ion Ratio Lower Upper
178 100
176 17.5 15.2 22.8
179 15.1 13.0 19.4





#73
 Carbazole
 Concen: 7.797 ng
 RT: 17.776 min Scan# 2449
 Delta R.T. -0.000 min
 Lab File: BG054317.D
 Acq: 19 Jul 2022 14:06

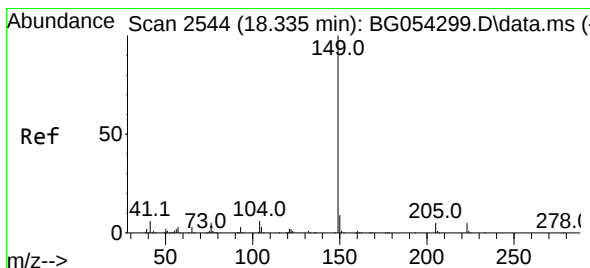
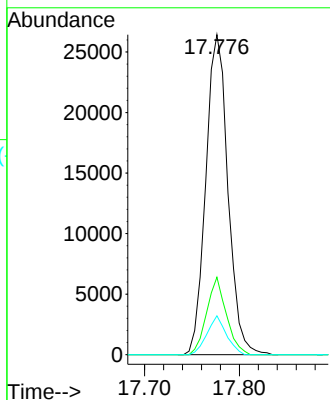
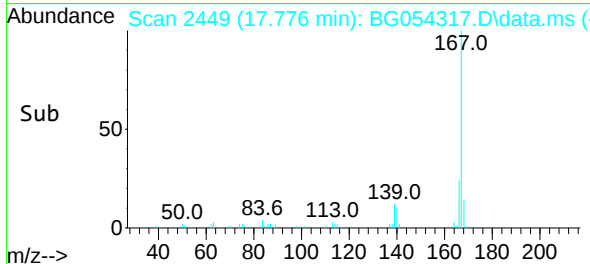
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



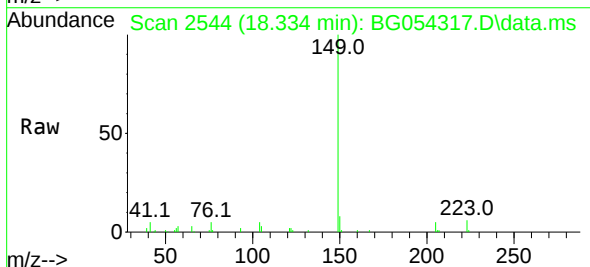
Tgt Ion:167 Resp: 42923
 Ion Ratio Lower Upper
 167 100
 166 24.2 18.2 27.2
 139 12.2 10.1 15.1

Manual Integrations
 APPROVED

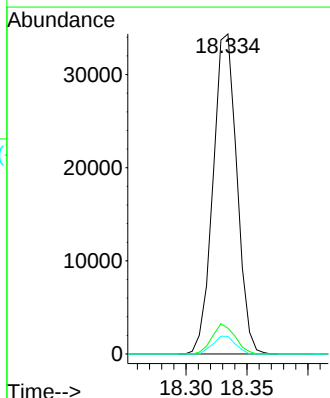
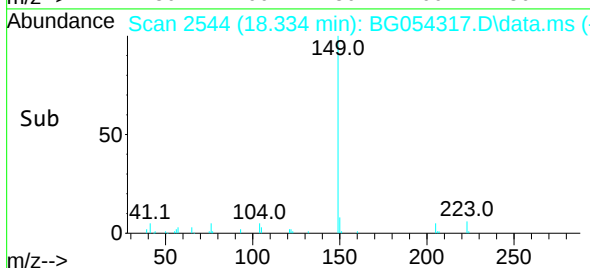
Reviewed By :Christian Giraldo 07/20/2022
 Supervised By :Jagrut Upadhyay 07/20/2022

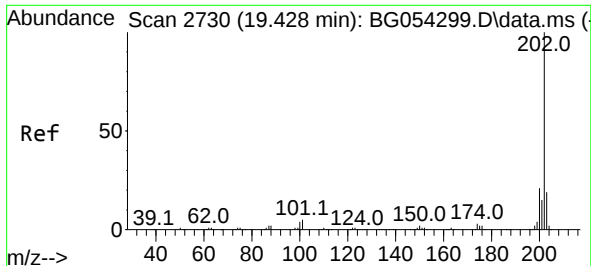


#74
 Di-n-butylphthalate
 Concen: 7.199 ng
 RT: 18.334 min Scan# 2544
 Delta R.T. -0.000 min
 Lab File: BG054317.D
 Acq: 19 Jul 2022 14:06



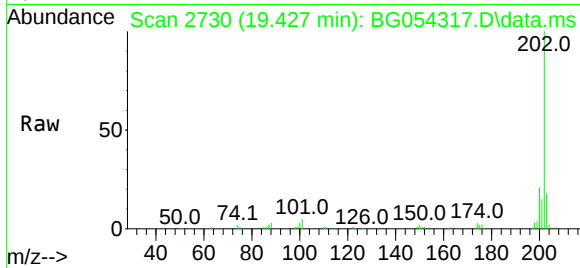
Tgt Ion:149 Resp: 46767
 Ion Ratio Lower Upper
 149 100
 150 8.0 7.7 11.5
 104 5.5 5.4 8.0





#75
Fluoranthene
Concen: 7.583 ng
RT: 19.427 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

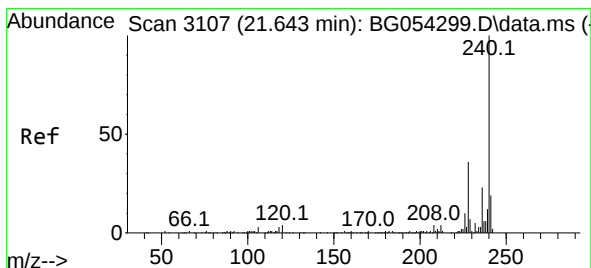
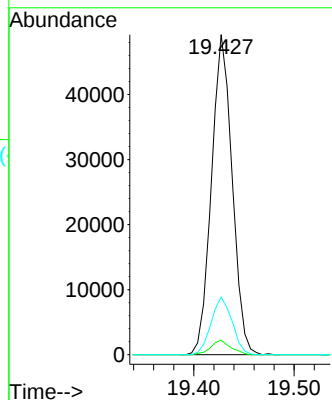
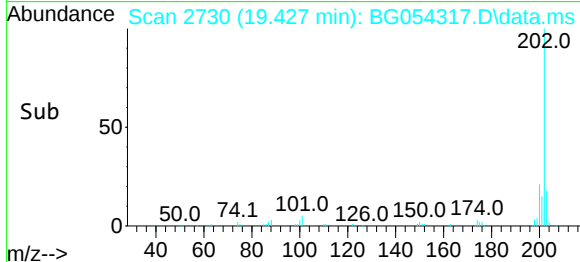
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



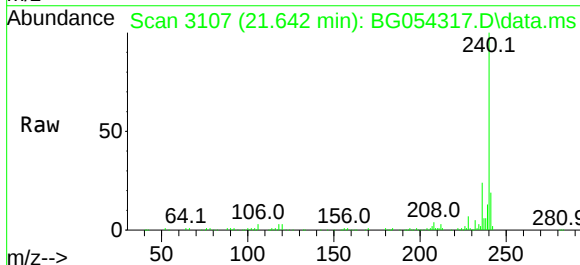
Tgt Ion:202 Resp: 7043
Ion Ratio Lower Upper
202 100
101 4.6 0.0 26.9
203 18.0 0.0 37.2

Manual Integrations
APPROVED

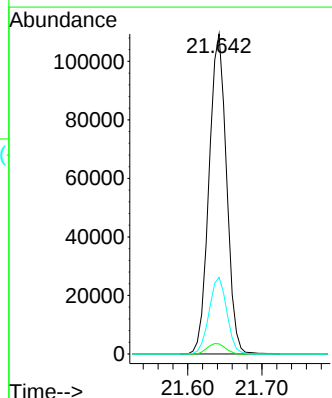
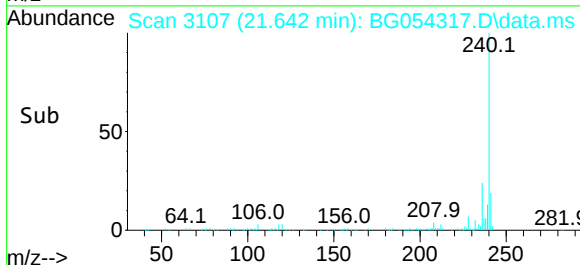
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

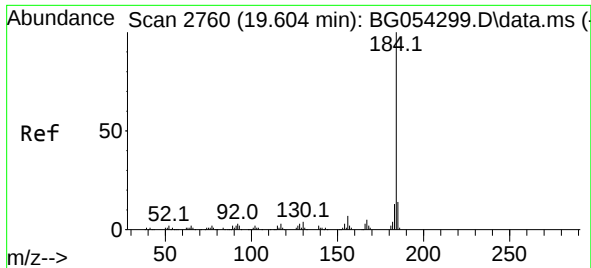


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3107
Delta R.T. -0.001 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



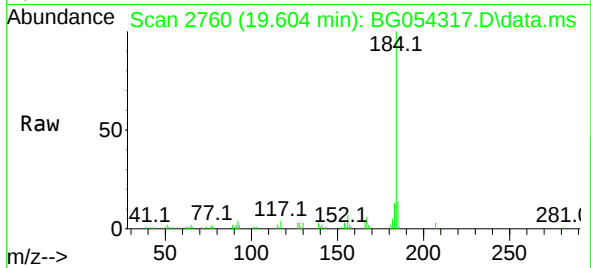
Tgt Ion:240 Resp: 178657
Ion Ratio Lower Upper
240 100
120 3.2 4.6 7.0#
236 23.9 20.2 30.4





#77
Benzidine
Concen: 10.345 ng
RT: 19.604 min Scan# 2760
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

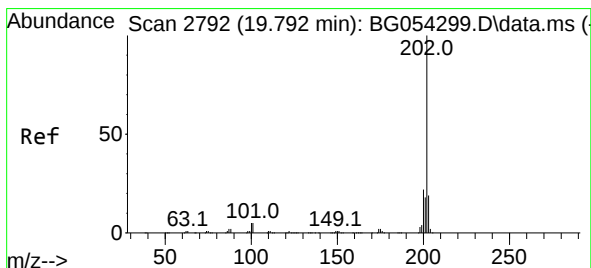
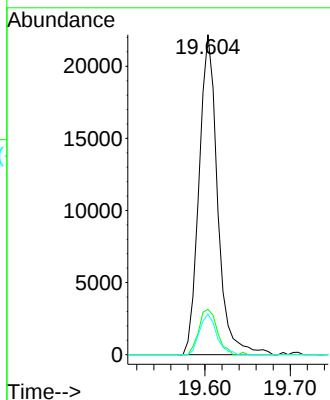
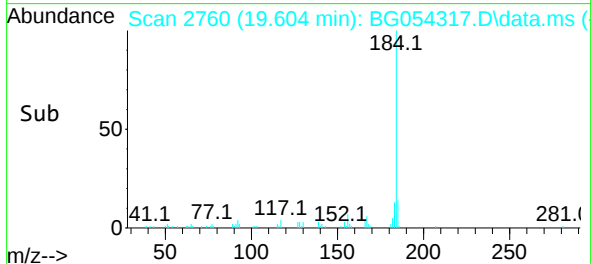
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT2-2022



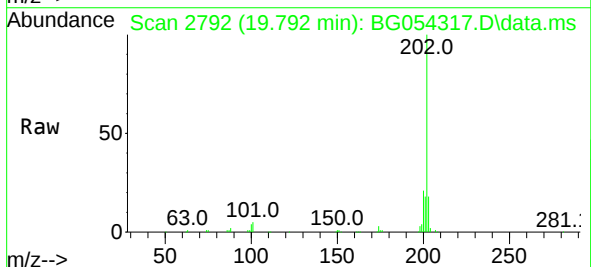
Tgt Ion:184 Resp: 3347
Ion Ratio Lower Upper
184 100
185 14.1 11.8 17.6
183 12.7 8.9 13.3

Manual Integrations
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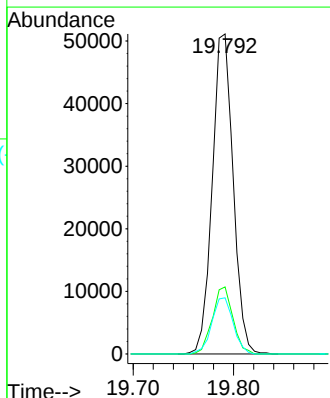
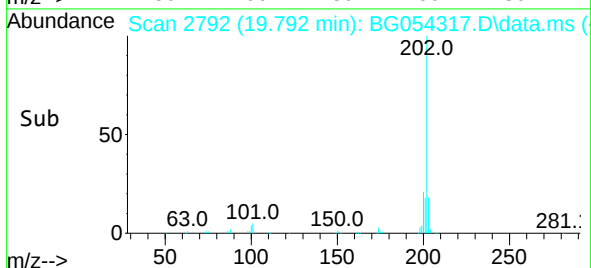
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

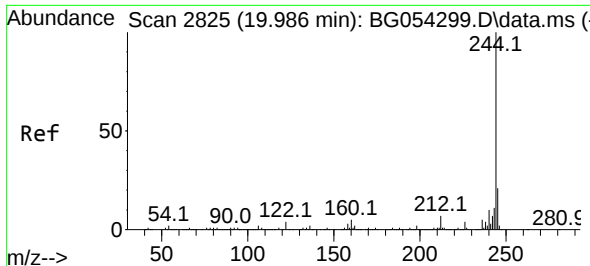


#78
Pyrene
Concen: 7.197 ng
RT: 19.792 min Scan# 2792
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



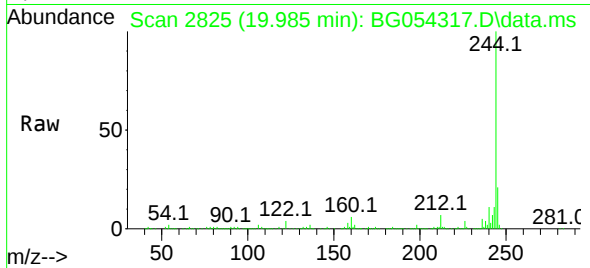
Tgt Ion:202 Resp: 73778
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 17.5 14.6 21.8





#79
 Terphenyl-d14
 Concen: 82.070 ng
 RT: 19.985 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG054317.D
 Acq: 19 Jul 2022 14:06

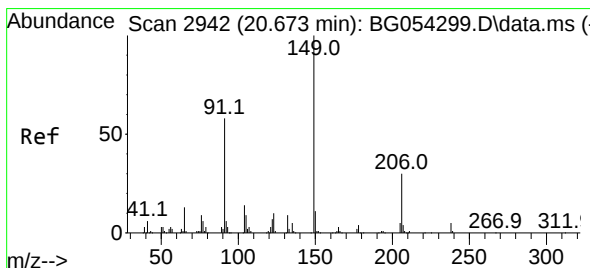
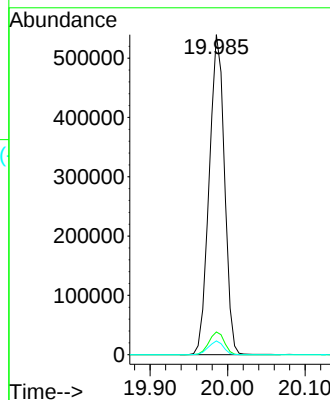
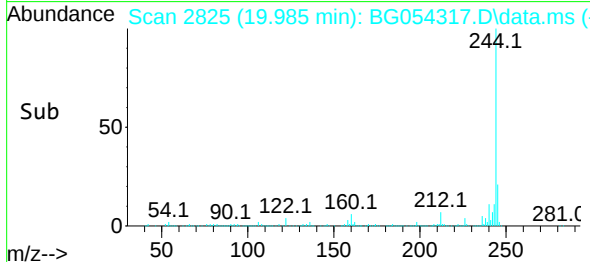
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



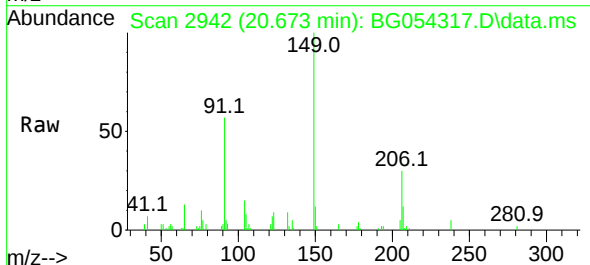
Tgt Ion:244 Resp: 73910
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.3 5.0 7.4

Manual Integrations
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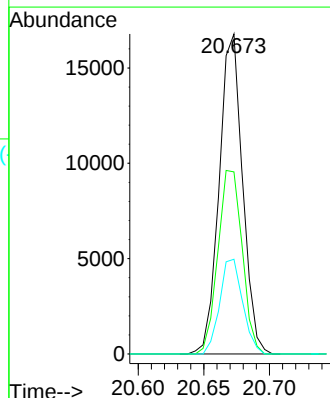
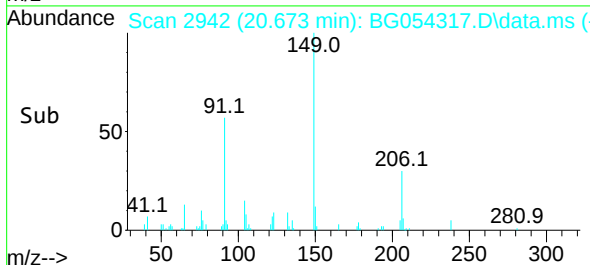
Reviewed By :Christian Giraldo 07/20/2022
 Supervised By :Jagrut Upadhyay 07/20/2022

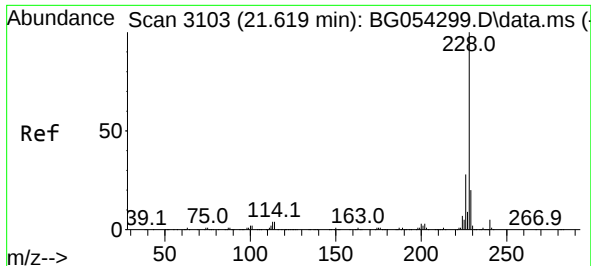


#80
 Butylbenzylphthalate
 Concen: 6.496 ng
 RT: 20.673 min Scan# 2942
 Delta R.T. -0.000 min
 Lab File: BG054317.D
 Acq: 19 Jul 2022 14:06



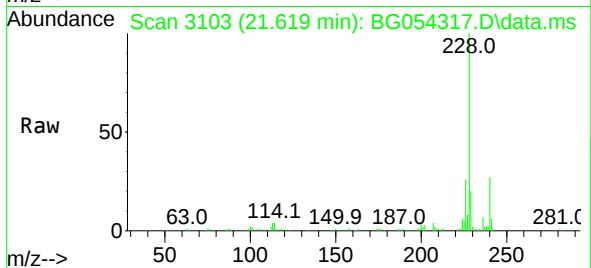
Tgt Ion:149 Resp: 20751
 Ion Ratio Lower Upper
 149 100
 91 56.9 59.6 89.4#
 206 29.6 18.6 28.0#





#81
Benzo(a)anthracene
Concen: 7.446 ng
RT: 21.619 min Scan# 3103
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

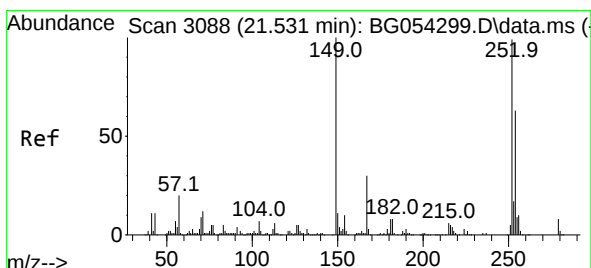
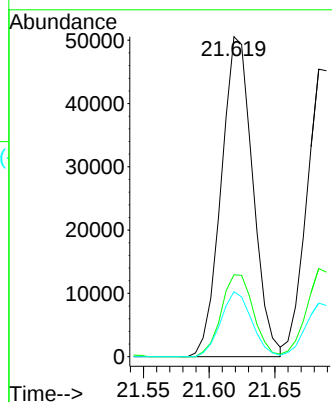
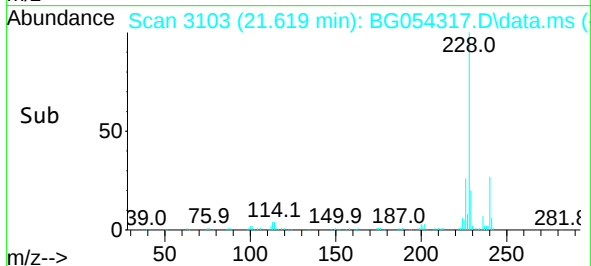
Instrument : BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



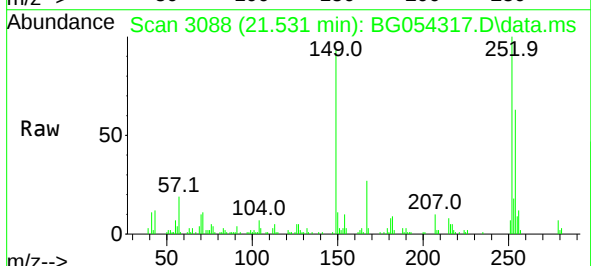
Tgt Ion:228 Resp: 84449
Ion Ratio Lower Upper
228 100
226 25.6 21.6 32.4
229 20.3 16.2 24.2

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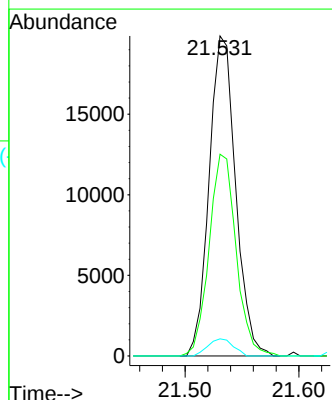
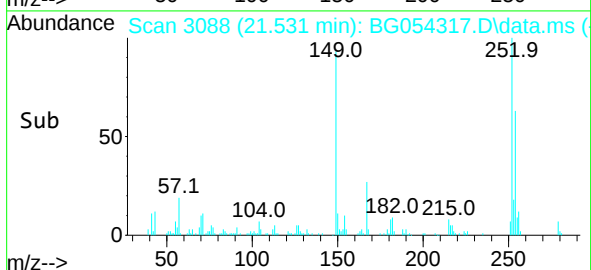
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#82
3,3'-Dichlorobenzidine
Concen: 9.107 ng
RT: 21.531 min Scan# 3088
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



Tgt Ion:252 Resp: 32121
Ion Ratio Lower Upper
252 100
254 63.1 49.8 74.8
126 5.3 6.0 9.0#





#83

Chrysene

Concen: 7.137 ng

RT: 21.683 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BG054317.D

Acq: 19 Jul 2022 14:06

Instrument :

BNA_G

ClientSampleId :

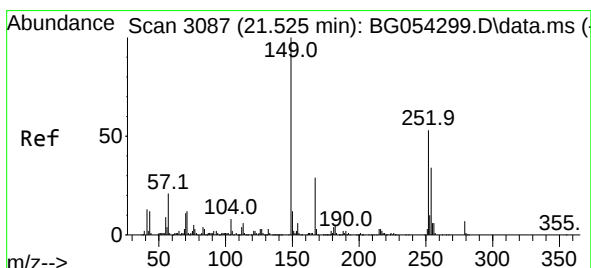
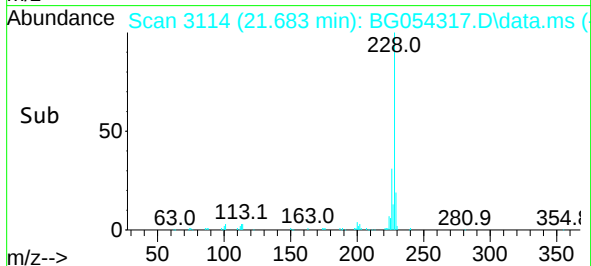
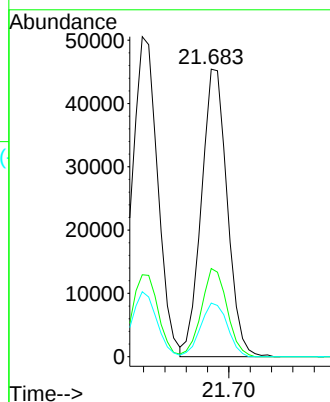
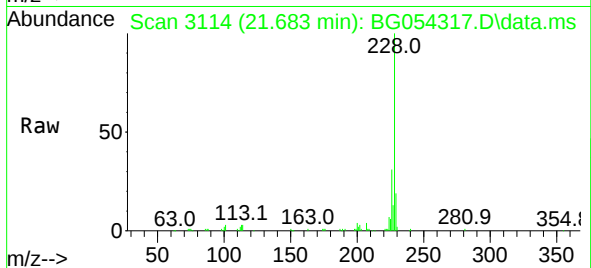
MDL-SOIL-03-QT2-2022

Tgt Ion:228 Resp: 7646
 Ion Ratio Lower Upper
 228 100
 226 30.7 23.4 35.2
 229 18.7 15.5 23.3

Manual Integrations

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Reviewed By :Christian Giraldo 07/20/2022
 Supervised By :Jagrut Upadhyay 07/20/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.851 ng

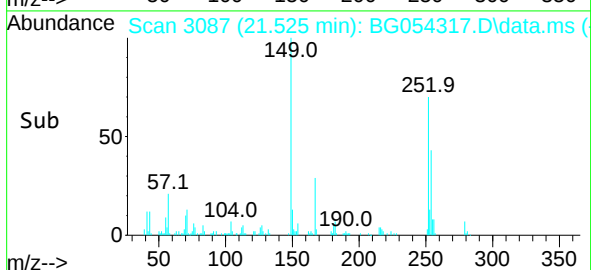
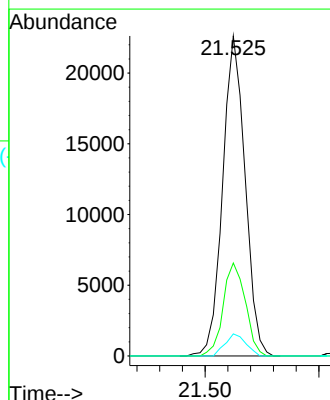
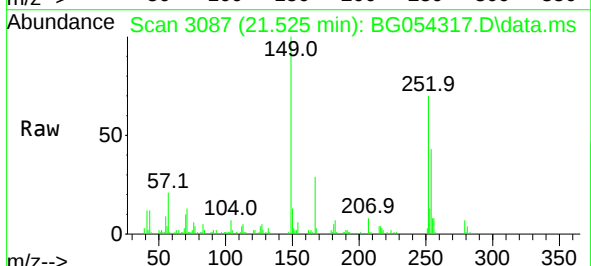
RT: 21.525 min Scan# 3087

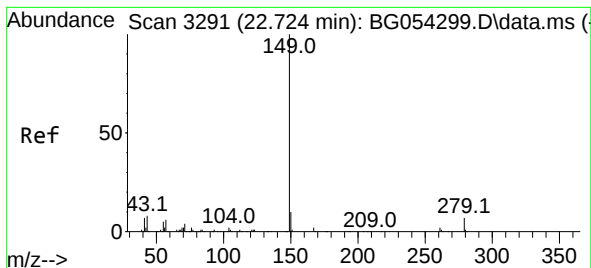
Delta R.T. -0.000 min

Lab File: BG054317.D

Acq: 19 Jul 2022 14:06

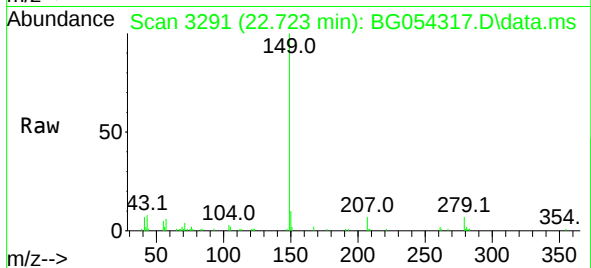
Tgt Ion:149 Resp: 30971
 Ion Ratio Lower Upper
 149 100
 167 29.1 20.2 30.4
 279 6.9 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 6.980 ng
RT: 22.723 min Scan# 31
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

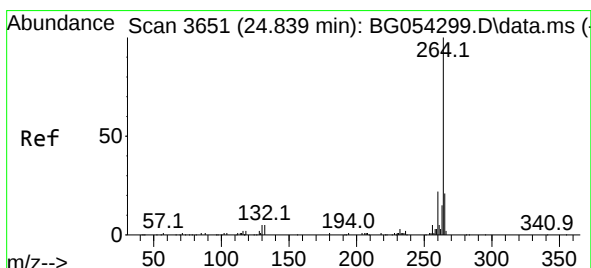
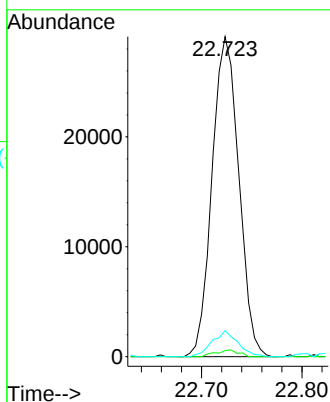
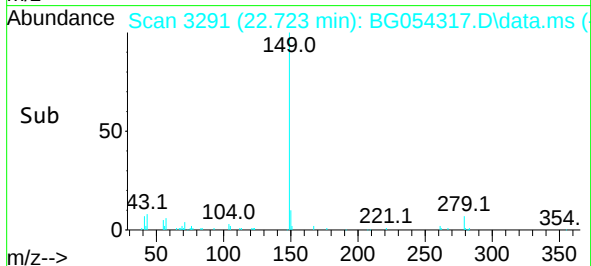
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



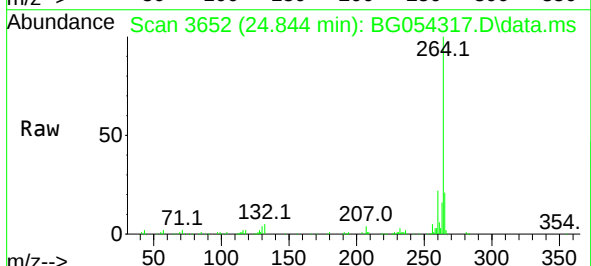
Tgt Ion:149 Resp: 5382
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 7.8 9.0 13.4

Manual Integrations
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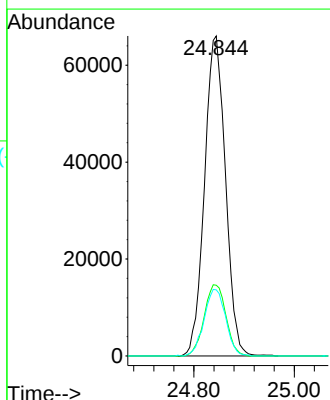
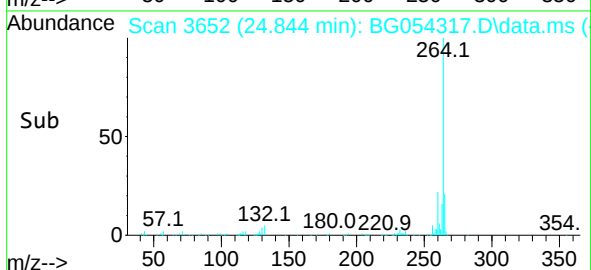
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

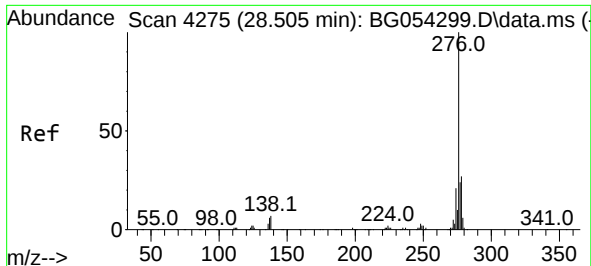


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.844 min Scan# 3652
Delta R.T. 0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



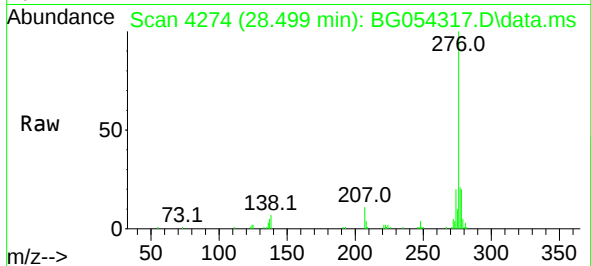
Tgt Ion:264 Resp: 191174
Ion Ratio Lower Upper
264 100
260 22.1 19.0 28.6
265 20.7 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.133 ng
 RT: 28.499 min Scan# 4275
 Delta R.T. -0.006 min
 Lab File: BG054317.D
 Acq: 19 Jul 2022 14:06

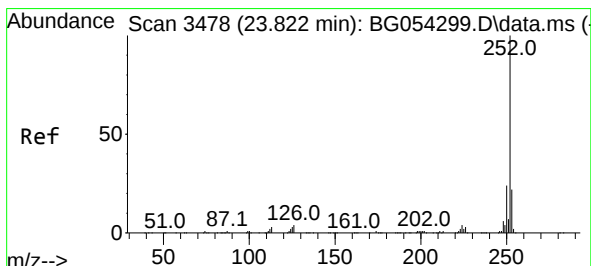
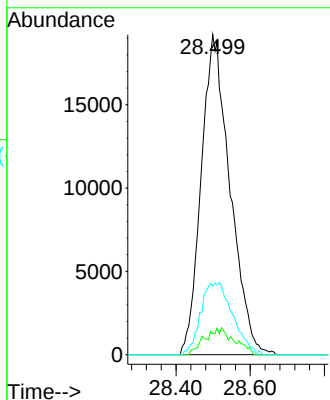
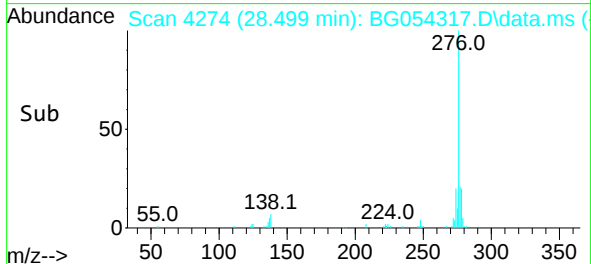
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



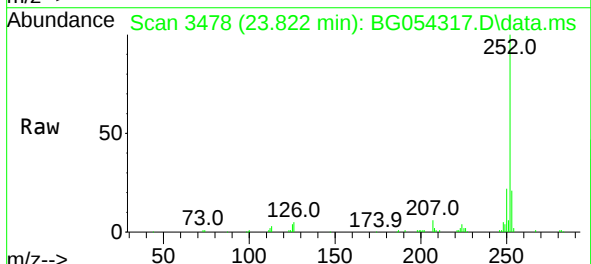
Tgt Ion: 276 Resp: 10374
 Ion Ratio Lower Upper
 276 100
 138 0.8 5.0 7.4
 277 24.8 20.3 30.5

Manual Integrations
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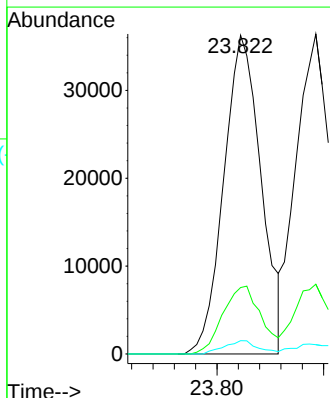
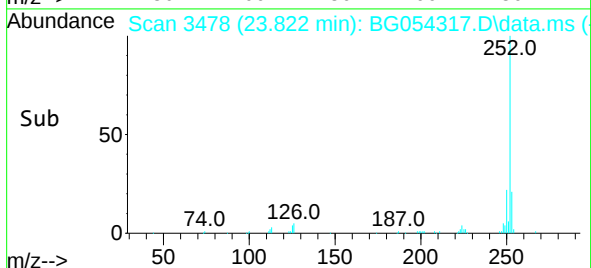
Reviewed By : Christian Giraldo 07/20/2022
 Supervised By : Jagrut Upadhyay 07/20/2022

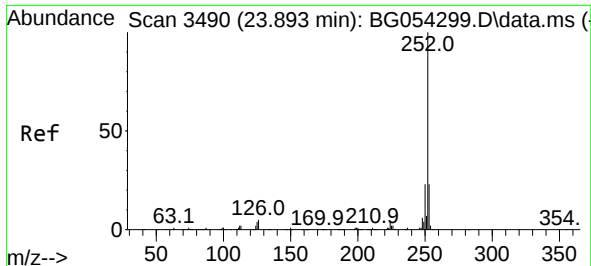


#88
 Benzo(b)fluoranthene
 Concen: 7.806 ng
 RT: 23.822 min Scan# 3478
 Delta R.T. -0.000 min
 Lab File: BG054317.D
 Acq: 19 Jul 2022 14:06



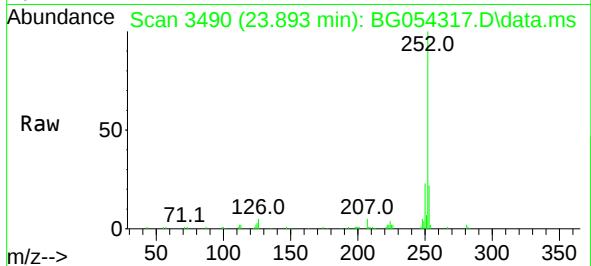
Tgt Ion: 252 Resp: 88256
 Ion Ratio Lower Upper
 252 100
 253 20.8 18.0 27.0
 125 4.2 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 7.545 ng
RT: 23.893 min Scan# 3490
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

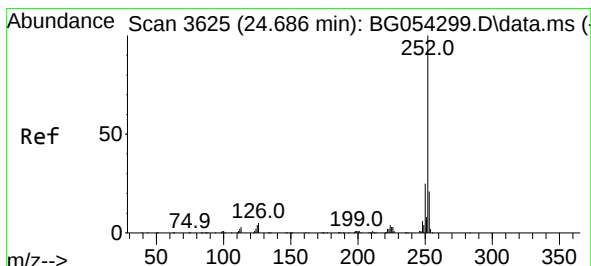
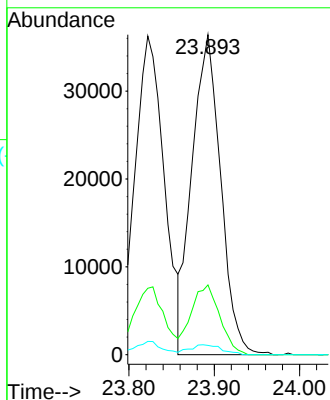
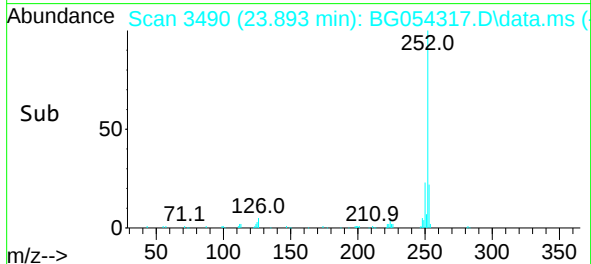
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:252 Resp: 8489
Ion Ratio Lower Upper
252 100
253 21.8 18.4 27.6
125 2.9 4.8 7.2

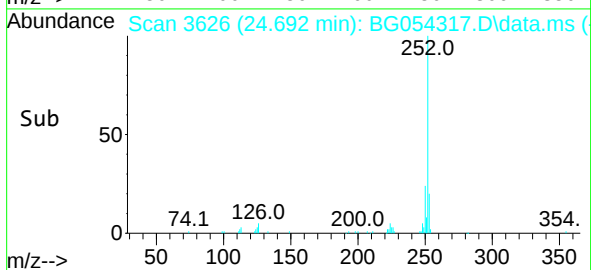
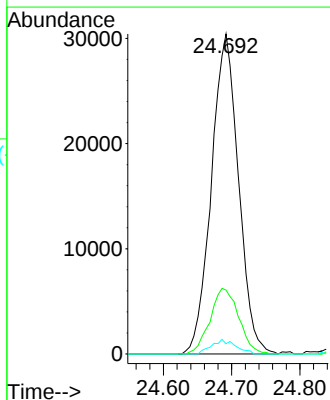
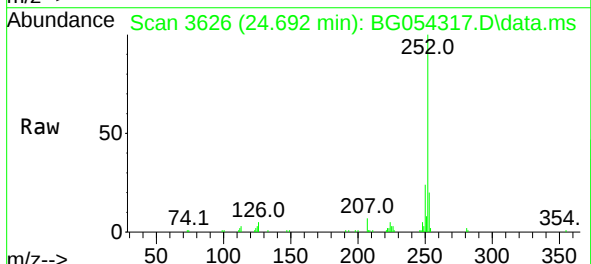
Manual Integrations
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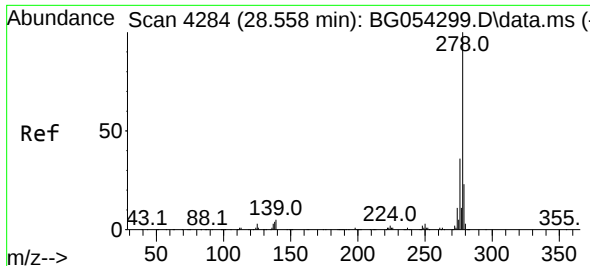
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#90
Benzo(a)pyrene
Concen: 8.710 ng
RT: 24.692 min Scan# 3626
Delta R.T. 0.006 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

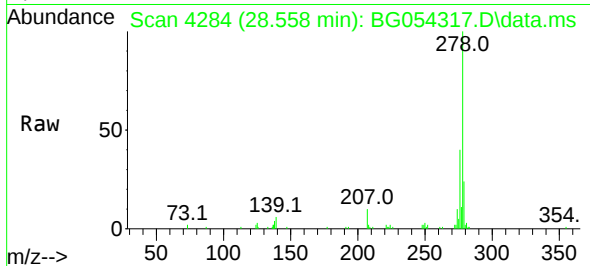
Tgt Ion:252 Resp: 84101
Ion Ratio Lower Upper
252 100
253 20.0 17.8 26.8
125 3.2 4.3 6.5





#91
Dibenzo(a,h)anthracene
Concen: 7.406 ng
RT: 28.558 min Scan# 41
Delta R.T. -0.000 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06

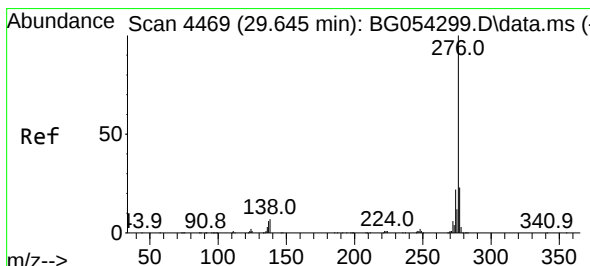
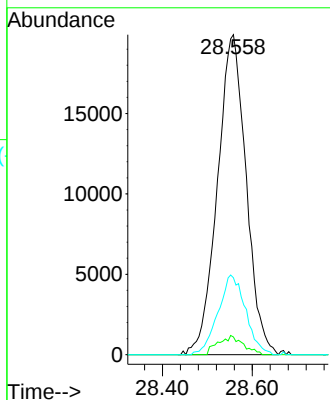
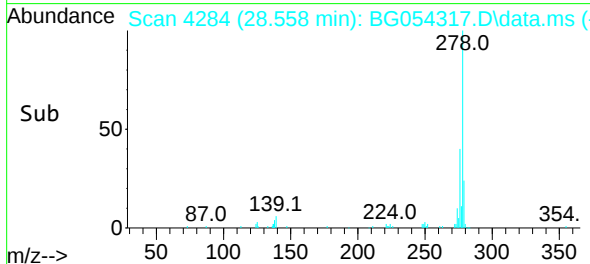
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



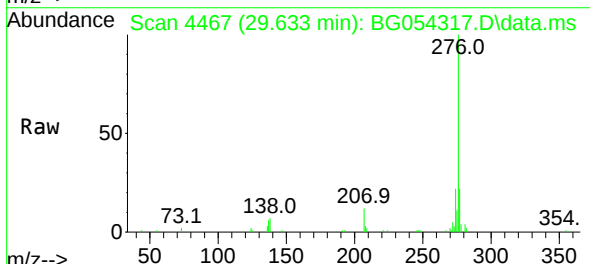
Tgt Ion:278 Resp: 8856
Ion Ratio Lower Upper
278 100
139 5.6 7.2 10.8
279 24.0 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#92
Benzo(g,h,i)perylene
Concen: 7.484 ng
RT: 29.633 min Scan# 4467
Delta R.T. -0.012 min
Lab File: BG054317.D
Acq: 19 Jul 2022 14:06



Tgt Ion:276 Resp: 88333
Ion Ratio Lower Upper
276 100
277 22.2 17.3 25.9
138 7.3 9.6 14.4

