

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071922\
 Data File : BG054318.D
 Acq On : 19 Jul 2022 14:56
 Operator : CG/JU
 Sample : N3214-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 19 15:31:32 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.994	152	15050	20.000	ng	0.00
21) Naphthalene-d8	10.802	136	56161	20.000	ng	# 0.00
39) Acenaphthene-d10	14.627	164	47227	20.000	ng	0.00
64) Phenanthrene-d10	17.377	188	125710	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	167565	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	177455	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.556	112	90167	125.089	ng	-0.01
7) Phenol-d6	7.160	99	124542	126.092	ng	-0.01
23) Nitrobenzene-d5	9.157	82	95027	92.144	ng	0.00
42) 2,4,6-Tribromophenol	16.120	330	120016	121.034	ng	0.00
45) 2-Fluorobiphenyl	13.252	172	301117	89.945	ng	0.00
79) Terphenyl-d14	19.986	244	729402	86.354	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.423	88	1307m	4.558	ng	
3) Pyridine	3.840	79	2326	3.197	ng	# 79
4) n-Nitrosodimethylamine	3.758	42	969	2.382	ng	# 55
6) Aniline	7.318	93	5034	4.415	ng	# 91
8) 2-Chlorophenol	7.559	128	3386	4.088	ng	90
9) Benzaldehyde	7.130	77	3006	5.418	ng	# 71
10) Phenol	7.189	94	3577	3.645	ng	91
11) bis(2-Chloroethyl)ether	7.406	93	2682	3.748	ng	92
12) 1,3-Dichlorobenzene	7.882	146	4029	3.992	ng	96
13) 1,4-Dichlorobenzene	8.029	146	4502	4.319	ng	87
14) 1,2-Dichlorobenzene	8.352	146	3979	4.048	ng	88
15) Benzyl Alcohol	8.235	79	2813	3.463	ng	# 84
16) 2,2'-oxybis(1-Chloropr...	8.523	45	3398	3.771	ng	79
17) 2-Methylphenol	8.440	107	2443	3.454	ng	93
18) Hexachloroethane	9.081	117	1321	3.828	ng	# 59
19) n-Nitroso-di-n-propyla...	8.799	70	2444	3.705	ng	# 88
20) 3+4-Methylphenols	8.770	107	3696	3.709	ng	96
22) Acetophenone	8.817	105	5049	3.738	ng	# 90
24) Nitrobenzene	9.198	77	4123	4.091	ng	# 88
25) Isophorone	9.721	82	7335	4.090	ng	# 94
26) 2-Nitrophenol	9.915	139	1515	2.982	ng	# 74
27) 2,4-Dimethylphenol	9.974	122	3001	4.276	ng	96
28) bis(2-Chloroethoxy)met...	10.203	93	3744	4.139	ng	92
29) 2,4-Dichlorophenol	10.456	162	3687	3.481	ng	# 84
30) 1,2,4-Trichlorobenzene	10.667	180	5042	3.843	ng	# 84
31) Naphthalene	10.849	128	11025	3.911	ng	98
33) 4-Chloroaniline	10.961	127	4071	3.551	ng	# 90
34) Hexachlorobutadiene	11.137	225	4627	3.991	ng	92
35) Caprolactam	11.707	113	806	3.022	ng	# 76
36) 4-Chloro-3-methylphenol	12.095	107	3398	3.526	ng	94
37) 2-Methylnaphthalene	12.459	142	8450	3.903	ng	98
38) 1-Methylnaphthalene	12.677	142	7877	3.734	ng	96
40) 1,2,4,5-Tetrachloroben...	12.835	216	8481	4.099	ng	# 91
43) 2,4,6-Trichlorophenol	13.070	196	3563m	3.163	ng	
44) 2,4,5-Trichlorophenol	13.153	196	3996	3.139	ng	# 81
46) 1,1'-Biphenyl	13.464	154	12772	3.953	ng	97

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 ALS Vial : 5 Sample Multiplier: 1

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

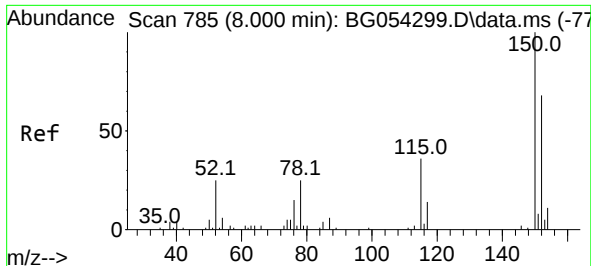
Quant Time: Jul 19 15:31:32 2022
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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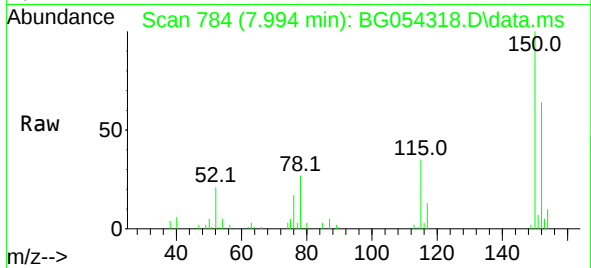
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	13.505	162	10227	3.782	ng	97
48) 2-Nitroaniline	13.705	65	2542	3.602	ng	88
49) Acenaphthylene	14.351	152	15864	3.948	ng	97
50) Dimethylphthalate	14.075	163	13751	3.728	ng	# 98
51) 2,6-Dinitrotoluene	14.198	165	2597	3.210	ng	# 71
52) Acenaphthene	14.698	154	9091	3.737	ng	94
53) 3-Nitroaniline	14.533	138	2411	3.563	ng	# 78
55) Dibenzofuran	15.027	168	16426	3.794	ng	97
56) 4-Nitrophenol	14.862	139	973	2.155	ng	92
57) 2,4-Dinitrotoluene	14.998	165	3940	3.397	ng	# 75
58) Fluorene	15.673	166	13568	3.812	ng	87
59) 2,3,4,6-Tetrachlorophenol	15.262	232	3538	2.855	ng	# 86
60) Diethylphthalate	15.438	149	13183	3.725	ng	97
61) 4-Chlorophenyl-phenyle...	15.667	204	9268	3.967	ng	# 83
62) 4-Nitroaniline	15.691	138	2517	3.540	ng	# 86
63) Azobenzene	15.961	77	9308	3.640	ng	85
66) n-Nitrosodiphenylamine	15.879	169	12042	3.837	ng	96
67) 4-Bromophenyl-phenylether	16.560	248	6829	3.868	ng	# 89
68) Hexachlorobenzene	16.684	284	8116	4.020	ng	94
69) Atrazine	16.819	200	5833	4.176	ng	93
71) Phenanthrene	17.418	178	24768	3.956	ng	99
72) Anthracene	17.506	178	24734	4.026	ng	98
73) Carbazole	17.777	167	20058	3.966	ng	96
74) Di-n-butylphthalate	18.329	149	22259	3.729	ng	# 94
75) Fluoranthene	19.428	202	34224	4.010	ng	97
77) Benzidine	19.604	184	16313	5.375	ng	# 96
78) Pyrene	19.792	202	35373	3.679	ng	98
80) Butylbenzylphthalate	20.673	149	10112	3.375	ng	# 76
81) Benzo(a)anthracene	21.619	228	40425	3.800	ng	99
82) 3,3'-Dichlorobenzidine	21.531	252	15250	4.610	ng	# 95
83) Chrysene	21.684	228	37721	3.754	ng	98
84) Bis(2-ethylhexyl)phtha...	21.525	149	14630	3.451	ng	# 91
85) Di-n-octyl phthalate	22.724	149	24754	3.422	ng	# 95
87) Indeno(1,2,3-cd)pyrene	28.493	276	48888	3.621	ng	# 99
88) Benzo(b)fluoranthene	23.817	252	40056	3.817	ng	# 96
89) Benzo(k)fluoranthene	23.893	252	41148	3.940	ng	# 92
90) Benzo(a)pyrene	24.686	252	38968	4.348	ng	94
91) Dibenzo(a,h)anthracene	28.552	278	42902	3.865	ng	94
92) Benzo(g,h,i)perylene	29.639	276	40732	3.718	ng	# 87

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.994 min Scan# 7
 Delta R.T. -0.006 min
 Lab File: BG054318.D
 Acq: 19 Jul 2022 14:56

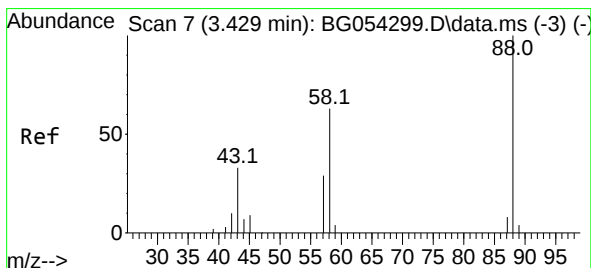
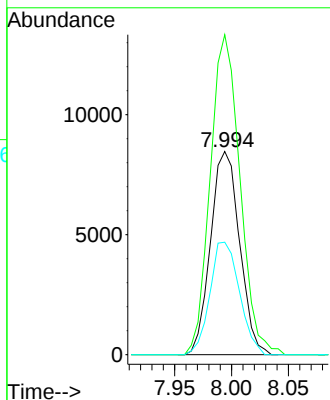
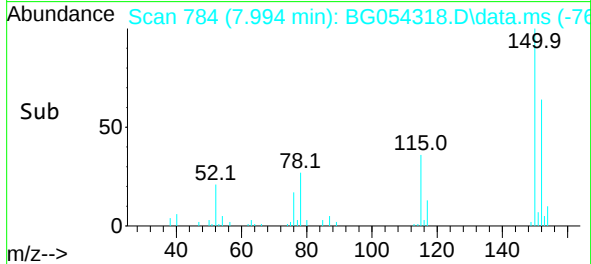
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



Tgt Ion:152 Resp: 15050
 Ion Ratio Lower Upper
 152 100
 150 157.5 131.6 197.4
 115 55.3 50.9 76.3

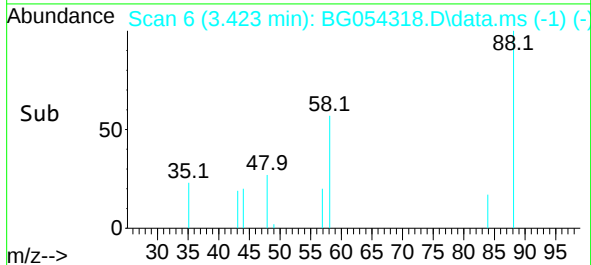
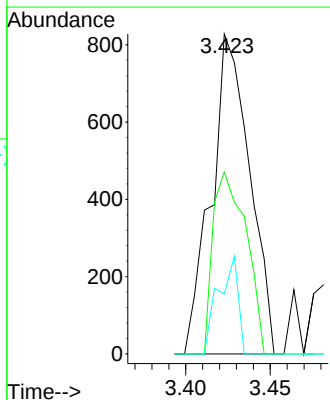
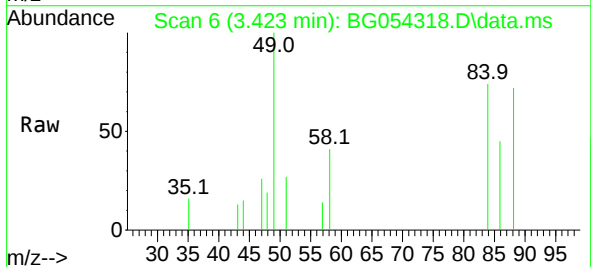
Manual Integrations
 APPROVED

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



#2
 1,4-Dioxane
 Concen: 4.558 ng m
 RT: 3.423 min Scan# 6
 Delta R.T. -0.006 min
 Lab File: BG054318.D
 Acq: 19 Jul 2022 14:56

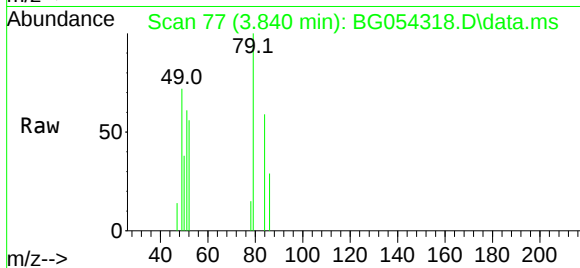
Tgt Ion: 88 Resp: 1307
 Ion Ratio Lower Upper
 88 100
 58 49.0 59.2 88.8#
 43 15.6 24.3 36.5#





#3
Pyridine
Concen: 3.197 ng
RT: 3.840 min Scan# 71
Delta R.T. 0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

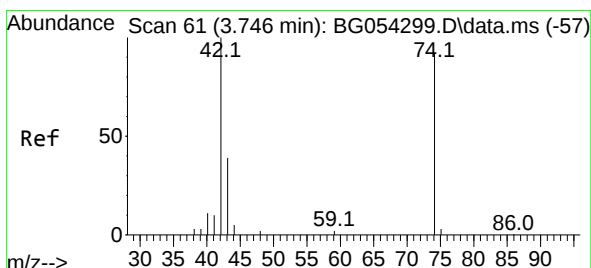
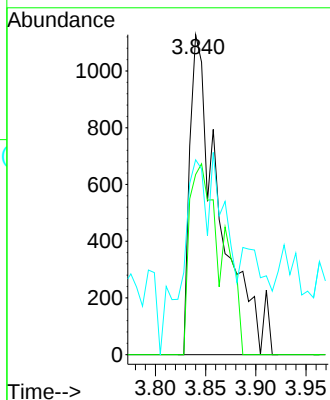
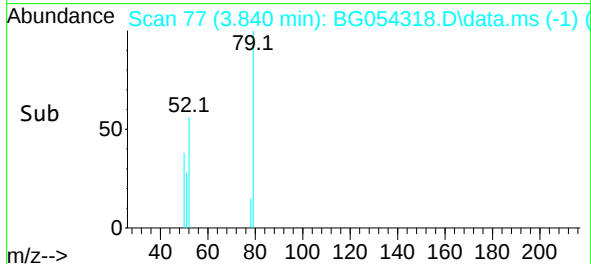
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT2-2022



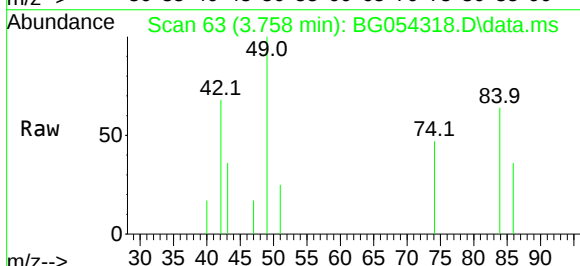
Tgt Ion: 79 Resp: 2320
Ion Ratio Lower Upper
79 100
52 56.3 54.6 81.8
51 60.9 32.5 48.7

Manual Integrations
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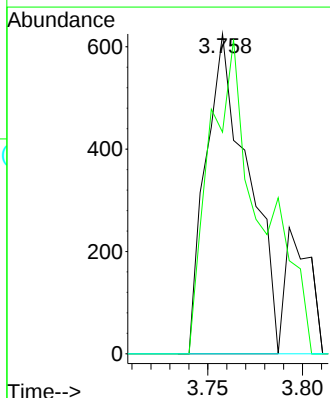
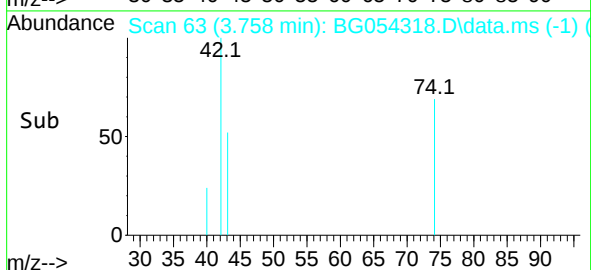
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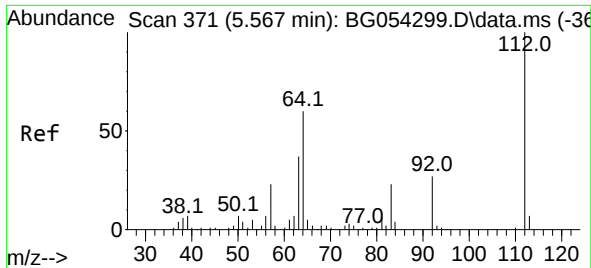


#4
n-Nitrosodimethylamine
Concen: 2.382 ng
RT: 3.758 min Scan# 63
Delta R.T. 0.012 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



Tgt Ion: 42 Resp: 969
Ion Ratio Lower Upper
42 100
74 69.3 97.0 145.4#
44 0.0 7.0 10.4#





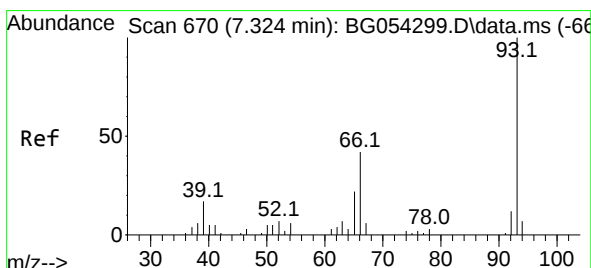
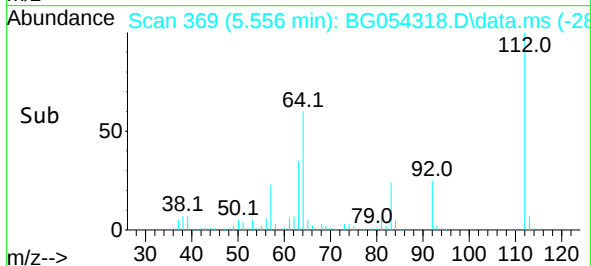
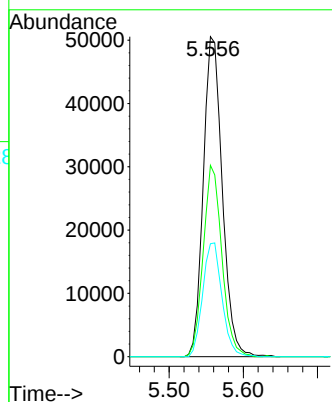
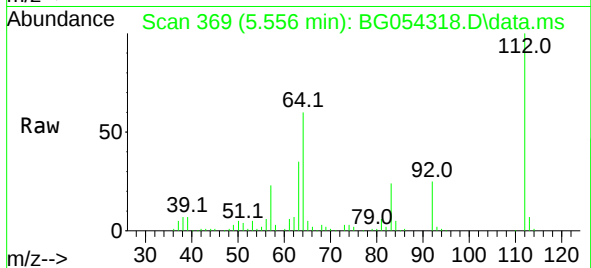
#5
2-Fluorophenol
Concen: 125.089 ng
RT: 5.556 min Scan# 30
Delta R.T. -0.012 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

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

Tgt Ion:112 Resp: 9016
Ion Ratio Lower Upper
112 100
64 59.8 55.1 82.7
63 35.3 30.4 45.6

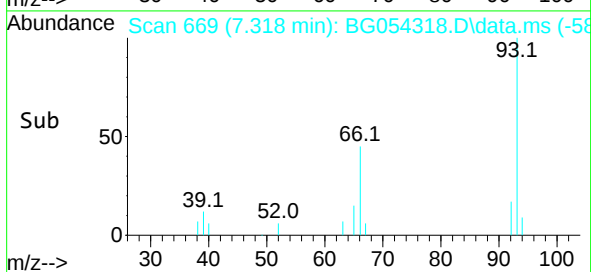
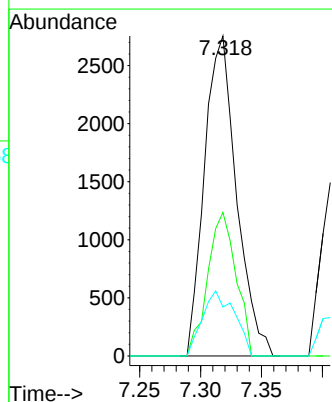
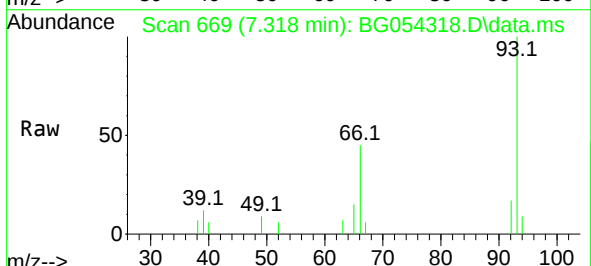
Manual Integrations
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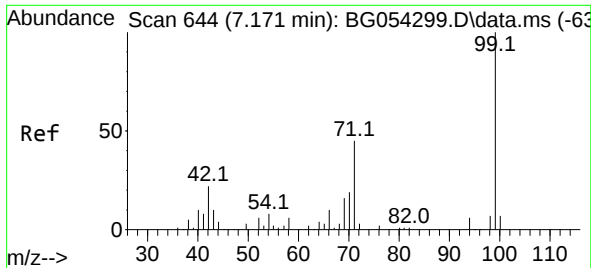
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#6
Aniline
Concen: 4.415 ng
RT: 7.318 min Scan# 669
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

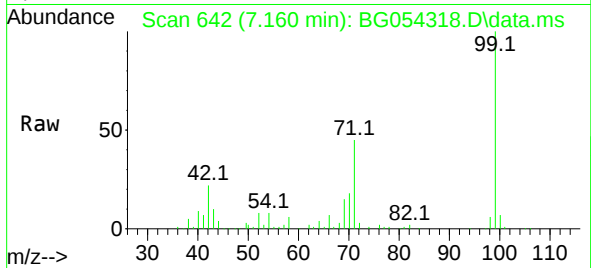
Tgt Ion: 93 Resp: 5034
Ion Ratio Lower Upper
93 100
66 44.9 32.9 49.3
65 15.3 17.8 26.8#





#7
Phenol-d6
Concen: 126.092 ng
RT: 7.160 min Scan# 644
Delta R.T. -0.012 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

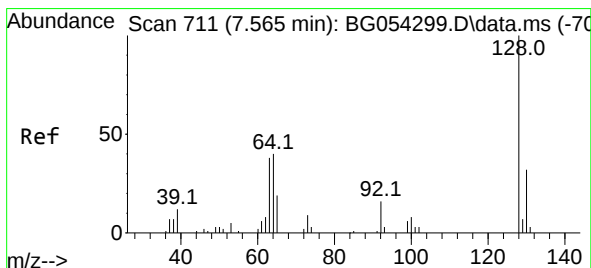
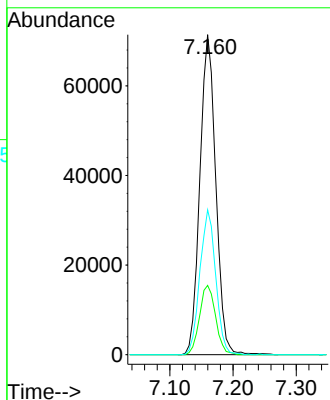
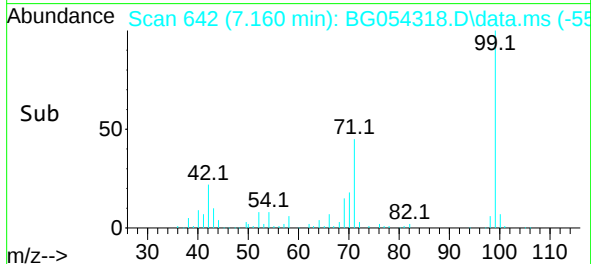
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BNA_G
ClientSampleId :
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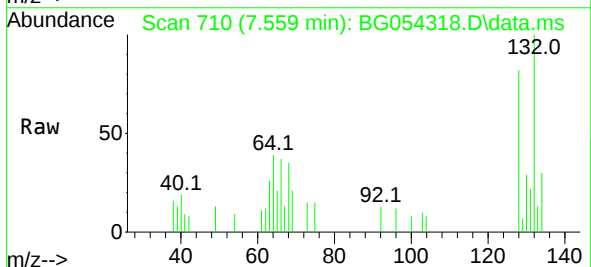
Tgt Ion: 99 Resp: 12454
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 45.2 33.8 50.8

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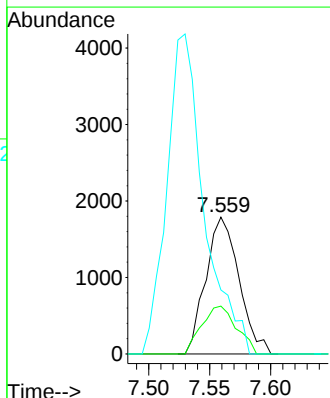
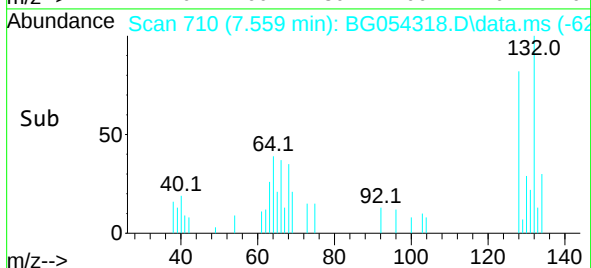
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#8
2-Chlorophenol
Concen: 4.088 ng
RT: 7.559 min Scan# 710
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



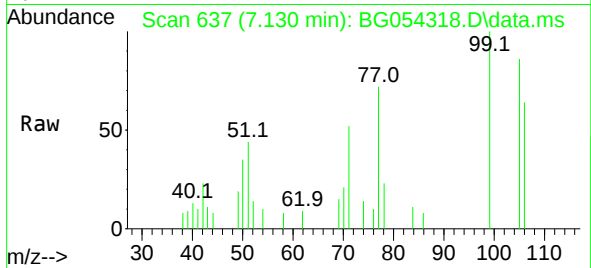
Tgt Ion:128 Resp: 3386
Ion Ratio Lower Upper
128 100
130 35.0 10.5 50.5
64 46.8 35.1 75.1





#9
Benzaldehyde
Concen: 5.418 ng
RT: 7.130 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

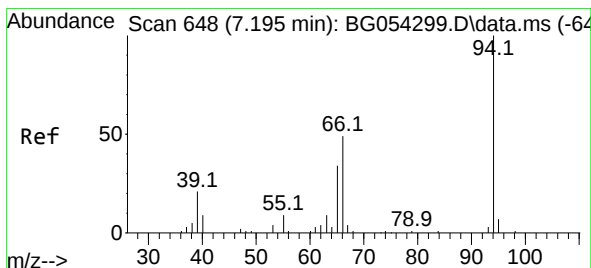
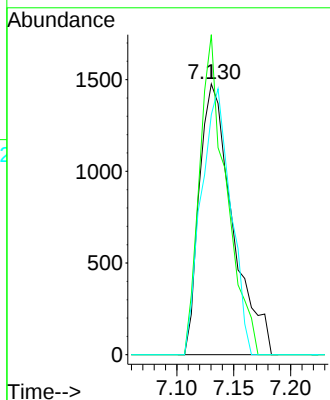
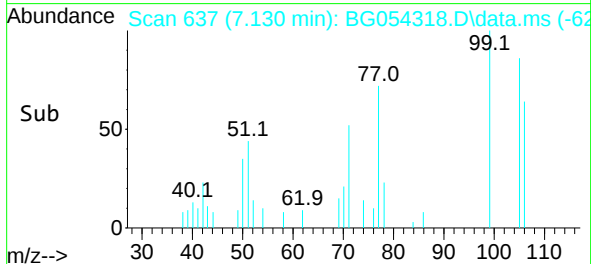
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



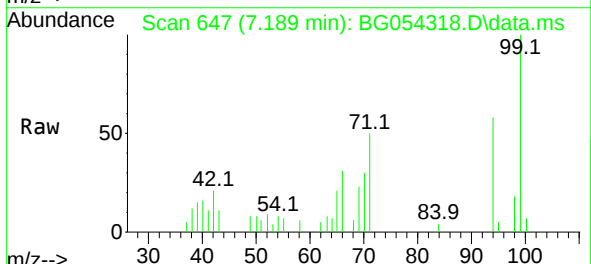
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Ion Ratio Lower Upper
77 100
105 118.2 59.6 99.6
106 88.7 56.8 96.8

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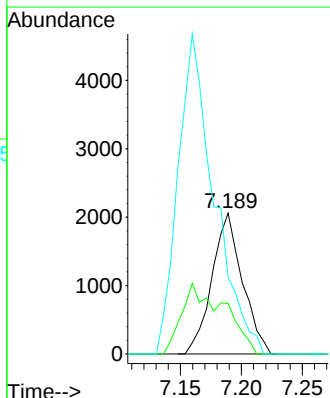
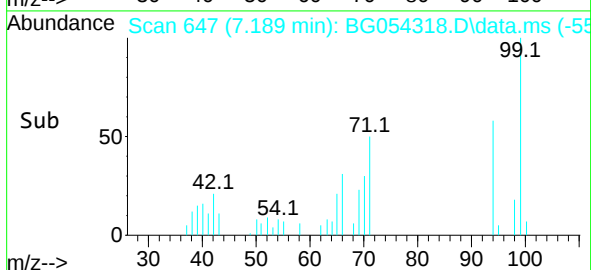
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#10
Phenol
Concen: 3.645 ng
RT: 7.189 min Scan# 647
Delta R.T. -0.006 min
Lab File: BG054318.D
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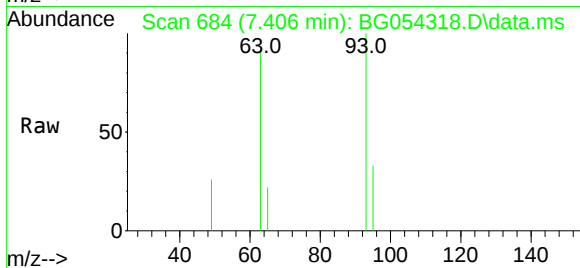
Tgt Ion: 94 Resp: 3577
Ion Ratio Lower Upper
94 100
65 35.9 14.8 54.8
66 54.3 25.2 65.2





#11
bis(2-Chloroethyl)ether
Concen: 3.748 ng
RT: 7.406 min Scan# 684
Delta R.T. -0.012 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

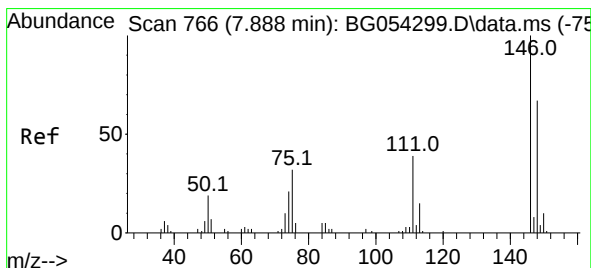
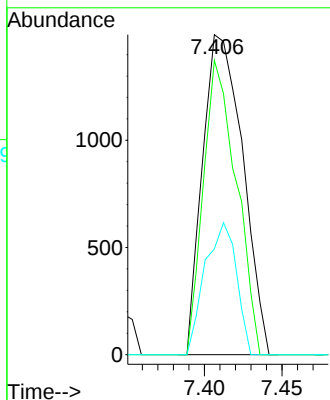
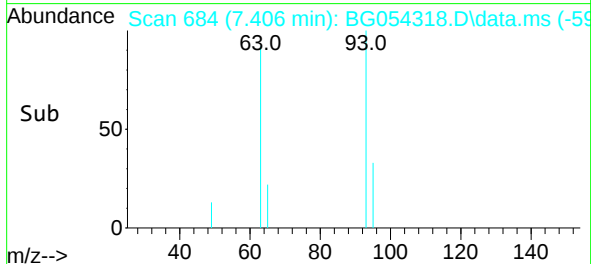
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT2-2022



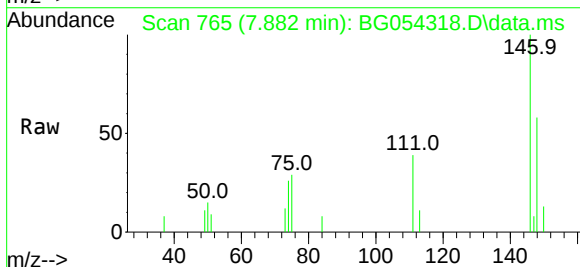
Tgt Ion: 93 Resp: 268
Ion Ratio Lower Upper
93 100
63 92.0 63.6 103.6
95 33.0 10.1 50.1

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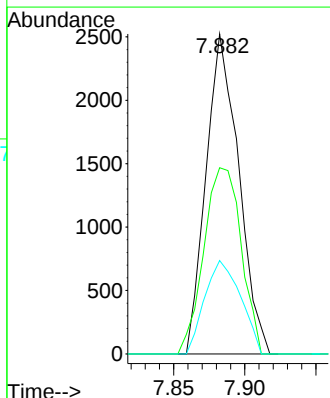
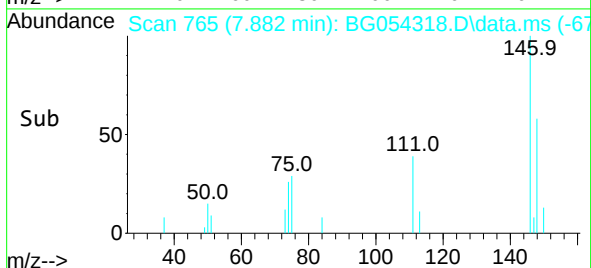
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

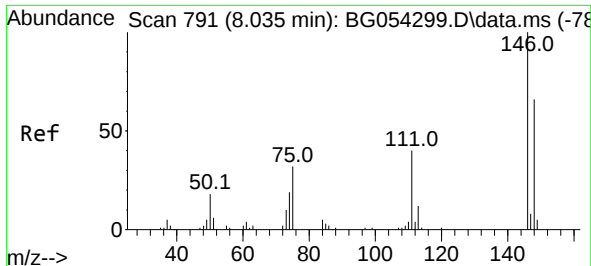


#12
1,3-Dichlorobenzene
Concen: 3.992 ng
RT: 7.882 min Scan# 765
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



Tgt Ion:146 Resp: 4029
Ion Ratio Lower Upper
146 100
148 58.2 46.1 69.1
75 29.2 27.6 41.4





#13

1,4-Dichlorobenzene

Concen: 4.319 ng

RT: 8.029 min Scan# 791

Delta R.T. -0.006 min

Lab File: BG054318.D

Acq: 19 Jul 2022 14:56

Instrument :

BNA_G

ClientSampleId :

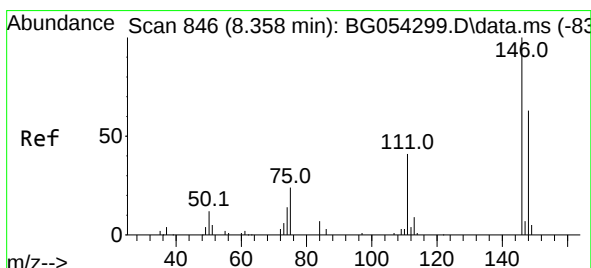
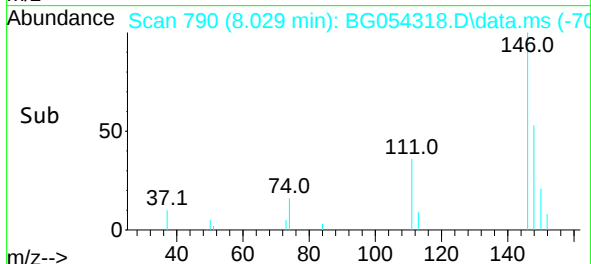
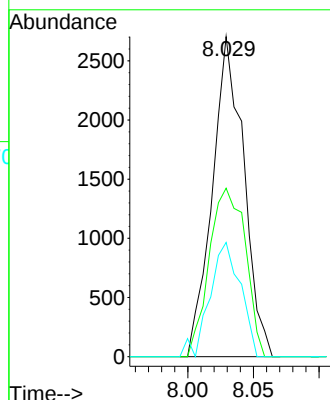
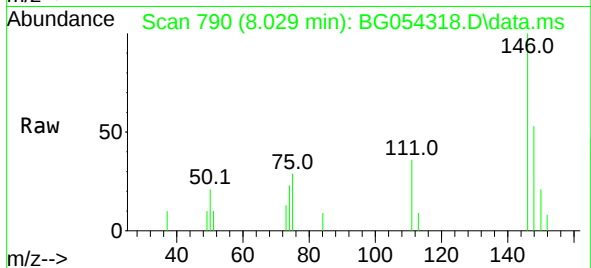
MDL-SOIL-03-QT2-2022

Tgt Ion:146 Resp: 4502
 Ion Ratio Lower Upper
 146 100
 148 52.7 51.5 77.3
 111 35.7 33.9 50.9

Manual Integrations

APPROVED

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



#14

1,2-Dichlorobenzene

Concen: 4.048 ng

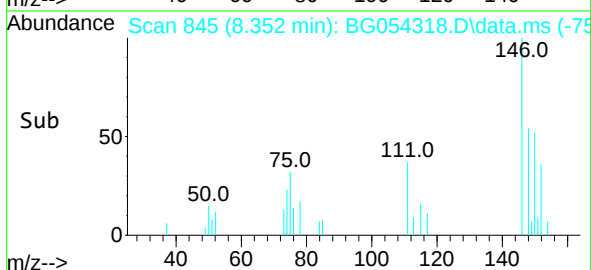
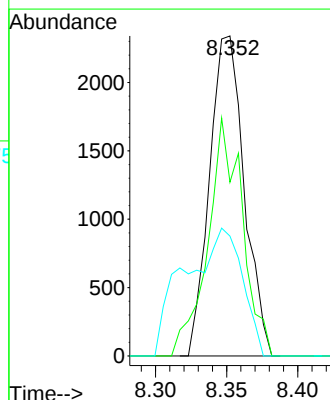
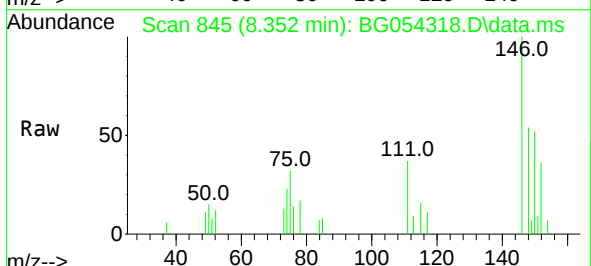
RT: 8.352 min Scan# 845

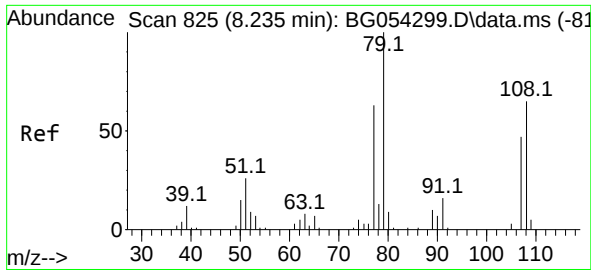
Delta R.T. -0.006 min

Lab File: BG054318.D

Acq: 19 Jul 2022 14:56

Tgt Ion:146 Resp: 3979
 Ion Ratio Lower Upper
 146 100
 148 54.3 52.6 78.8
 111 37.5 34.5 51.7





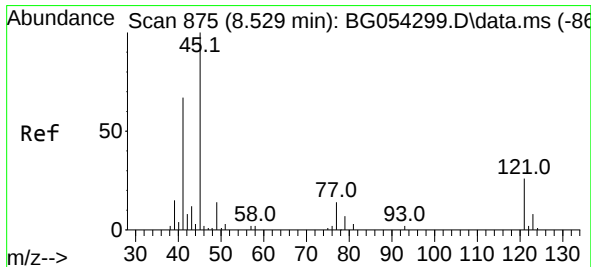
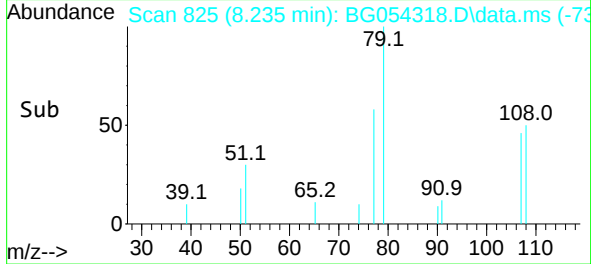
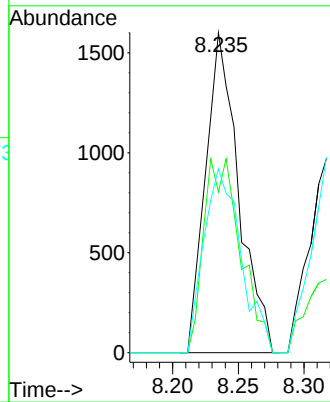
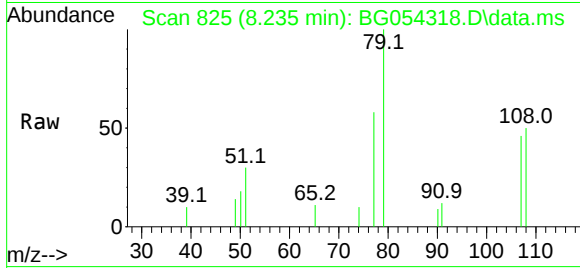
#15
Benzyl Alcohol
Concen: 3.463 ng
RT: 8.235 min Scan# 811
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

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

Tgt Ion: 79 Resp: 281
Ion Ratio Lower Upper
79 100
108 50.2 53.7 80.5
77 57.5 52.2 78.4

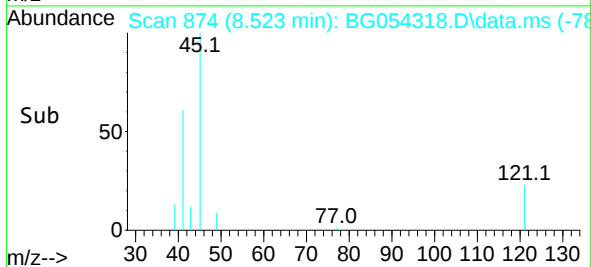
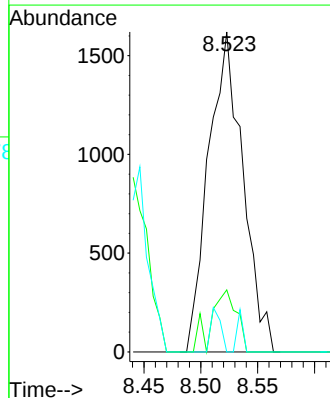
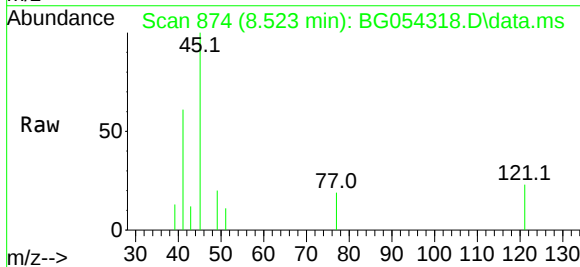
Manual Integrations
APPROVED

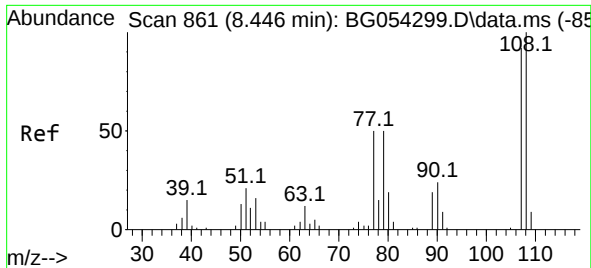
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.771 ng
RT: 8.523 min Scan# 874
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

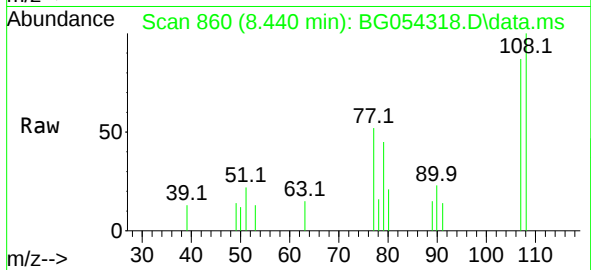
Tgt Ion: 45 Resp: 3398
Ion Ratio Lower Upper
45 100
77 19.4 0.0 32.7
79 0.0 0.0 29.7





#17
2-Methylphenol
Concen: 3.454 ng
RT: 8.440 min Scan# 80
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

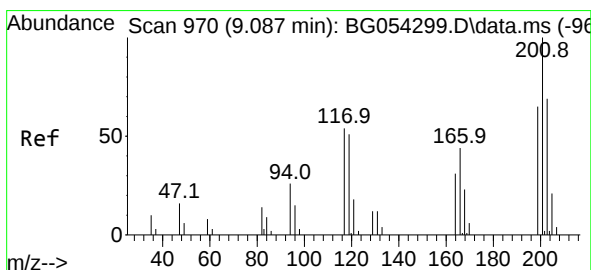
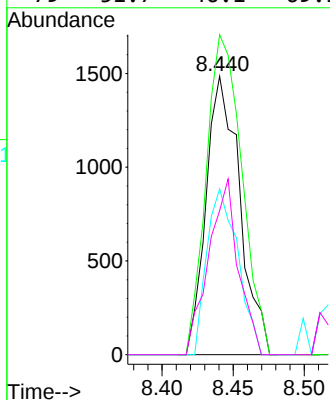
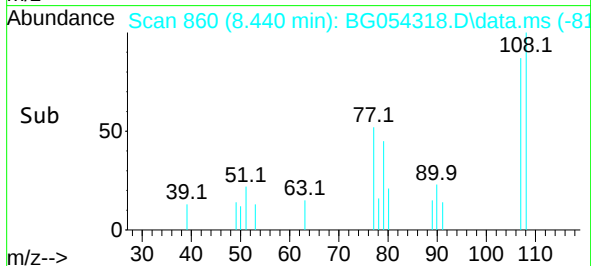
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



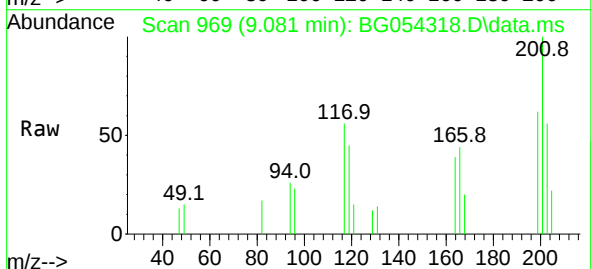
Tgt Ion:107 Resp: 244
Ion Ratio Lower Upper
107 100
108 114.9 85.4 128.0
77 59.5 46.2 69.2
79 51.7 46.1 69.1

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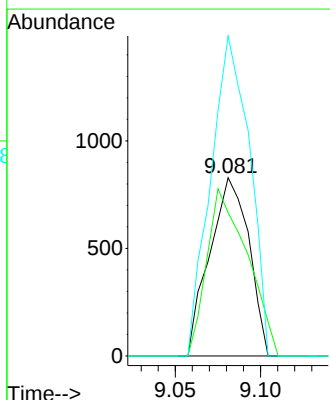
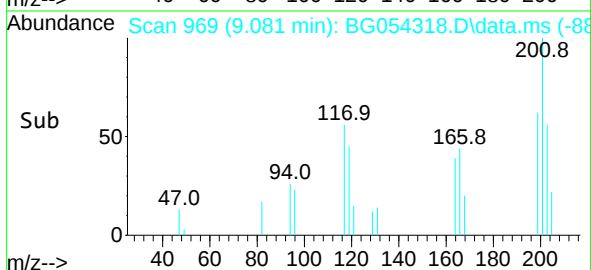
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#18
Hexachloroethane
Concen: 3.828 ng
RT: 9.081 min Scan# 969
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



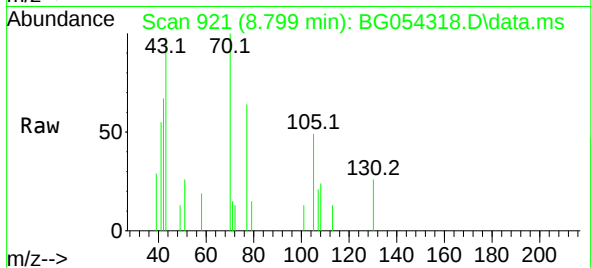
Tgt Ion:117 Resp: 1321
Ion Ratio Lower Upper
117 100
119 80.3 75.0 112.6
201 179.5 89.0 133.6#





#19
n-Nitroso-di-n-propylamine
Concen: 3.705 ng
RT: 8.799 min Scan# 916
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

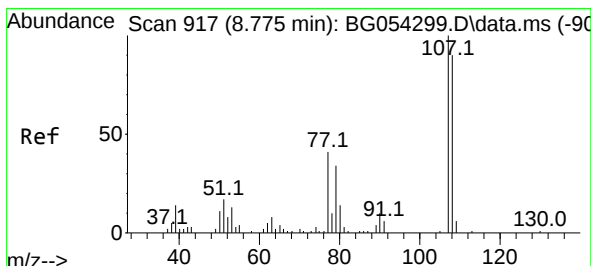
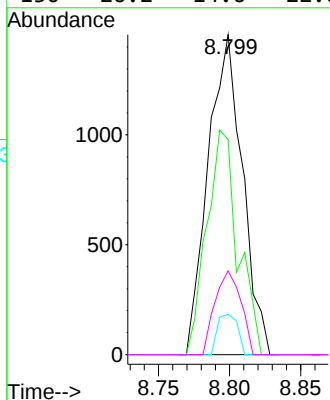
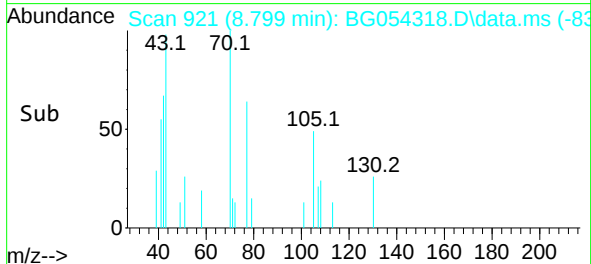
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 70 Resp: 244
Ion Ratio Lower Upper
70 100
42 67.2 47.3 70.9
101 12.6 7.0 10.4
130 26.2 14.6 22.0#

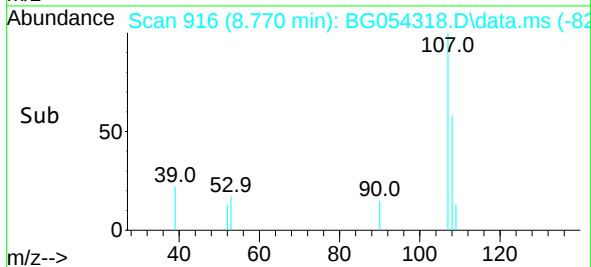
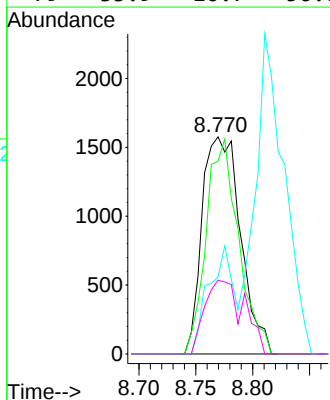
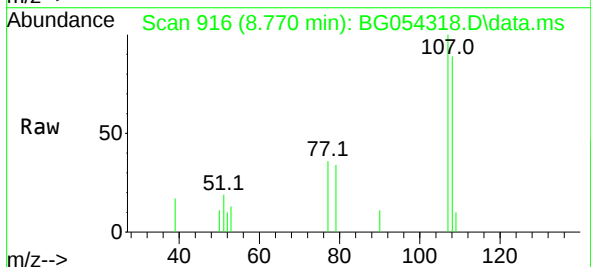
Manual Integrations
APPROVED

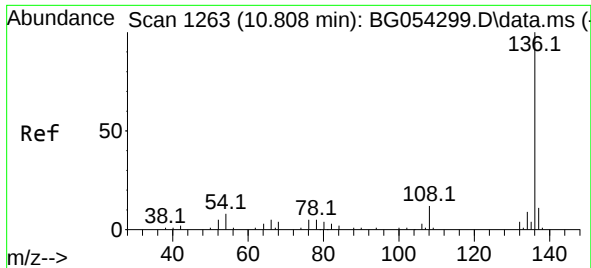
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#20
3+4-Methylphenols
Concen: 3.709 ng
RT: 8.770 min Scan# 916
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

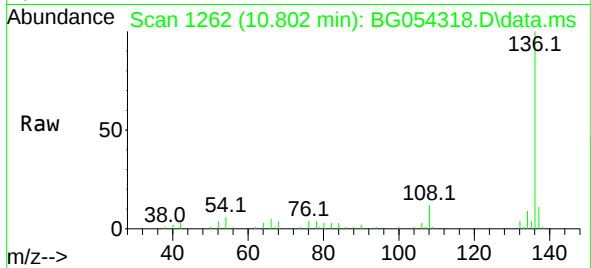
Tgt Ion:107 Resp: 3696
Ion Ratio Lower Upper
107 100
108 88.8 67.5 107.5
77 35.5 20.3 60.3
79 33.9 16.7 56.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.802 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

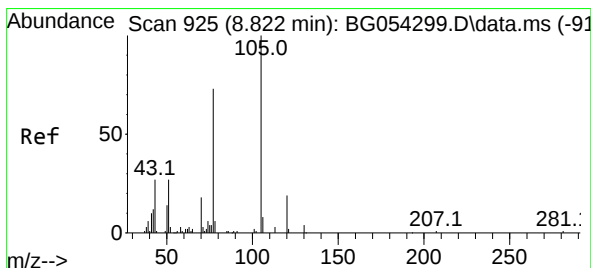
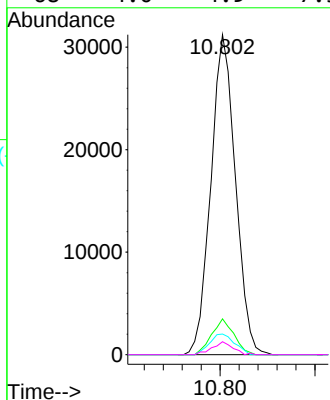
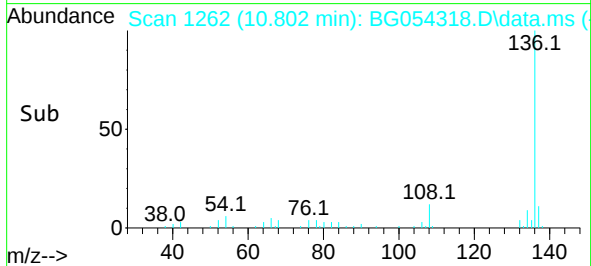
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



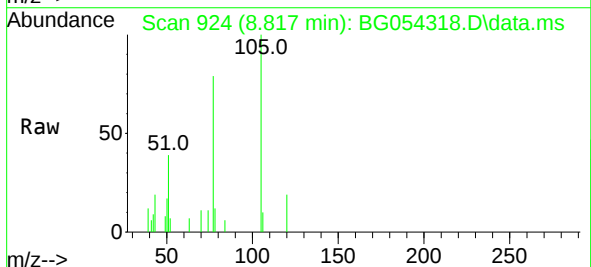
Tgt Ion:136 Resp: 5616
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 6.5 7.4 11.2
68 4.0 4.9 7.3#

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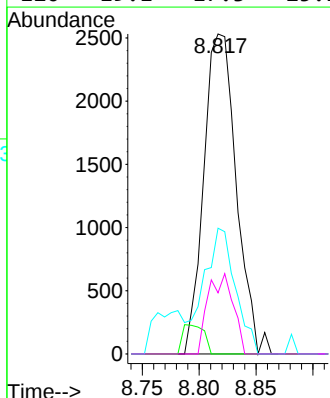
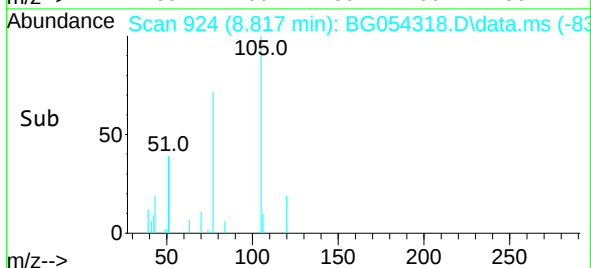
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

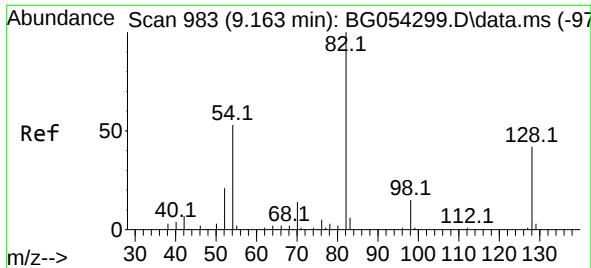


#22
Acetophenone
Concen: 3.738 ng
RT: 8.817 min Scan# 924
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



Tgt Ion:105 Resp: 5049
Ion Ratio Lower Upper
105 100
71 0.0 1.1 1.7#
51 39.3 25.4 38.0#
120 19.1 17.3 25.9





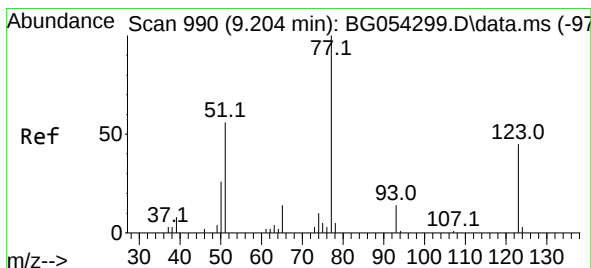
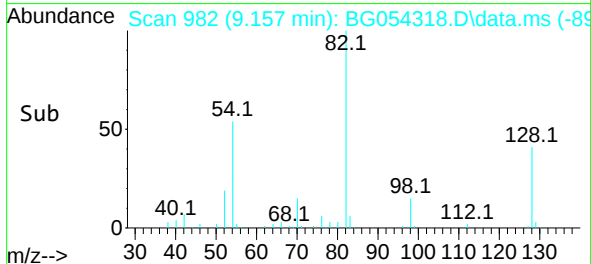
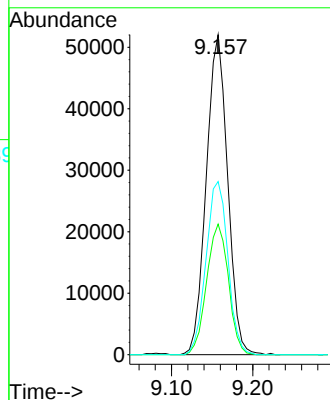
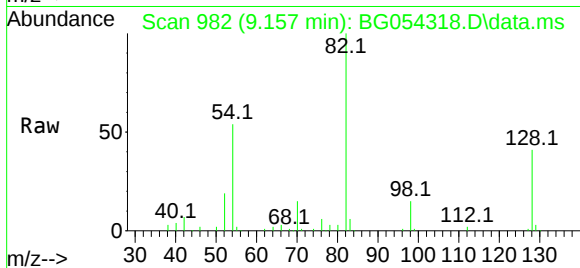
#23
Nitrobenzene-d5
Concen: 92.144 ng
RT: 9.157 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

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

Tgt Ion: 82 Resp: 9502
Ion Ratio Lower Upper
82 100
128 40.8 27.9 41.9
54 54.1 41.2 61.8

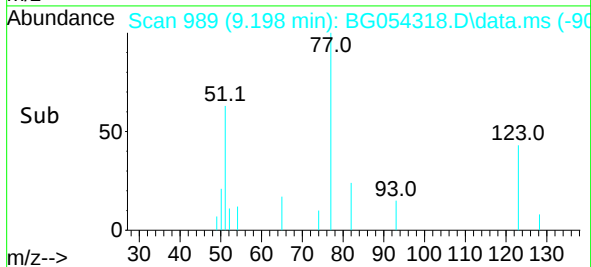
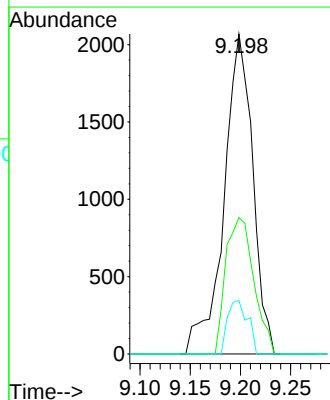
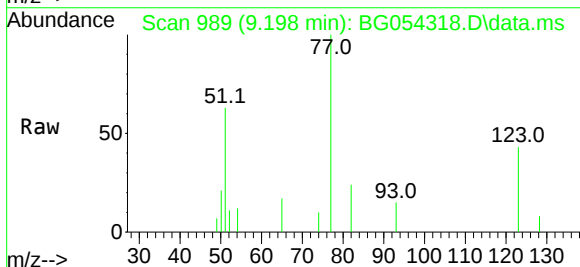
Manual Integrations
APPROVED

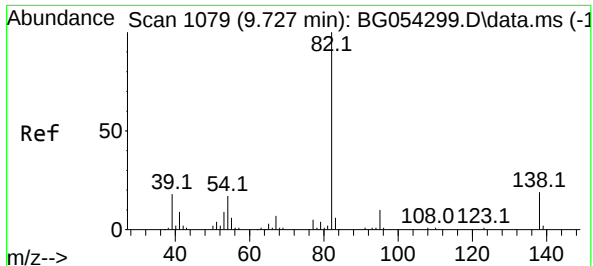
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#24
Nitrobenzene
Concen: 4.091 ng
RT: 9.198 min Scan# 989
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

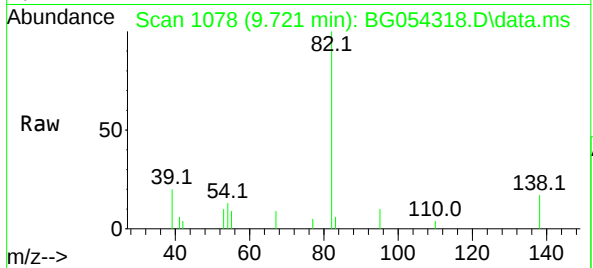
Tgt Ion: 77 Resp: 4123
Ion Ratio Lower Upper
77 100
123 42.6 27.4 41.0#
65 16.7 11.4 17.0





#25
Isophorone
Concen: 4.090 ng
RT: 9.721 min Scan# 1079
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

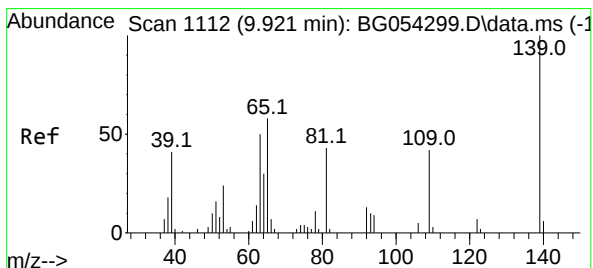
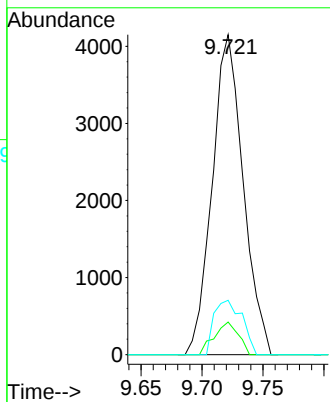
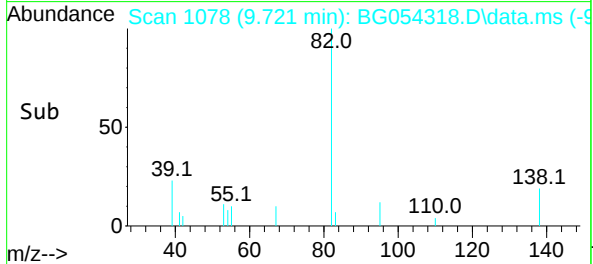
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



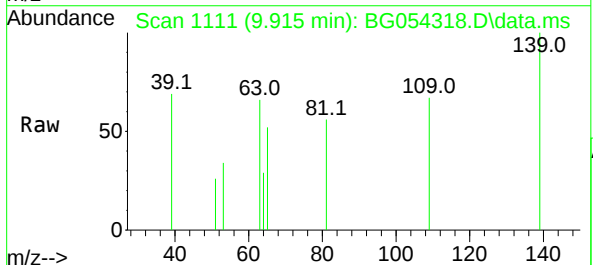
Tgt Ion: 82 Resp: 7335
Ion Ratio Lower Upper
82 100
95 10.2 6.2 9.4#
138 17.0 11.6 17.4#

Manual Integrations
APPROVED

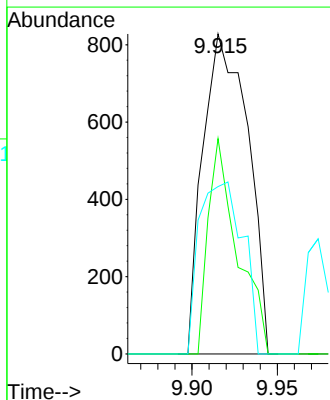
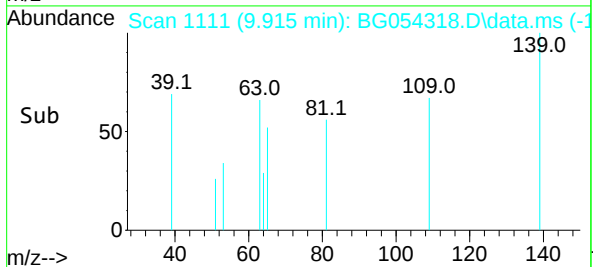
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

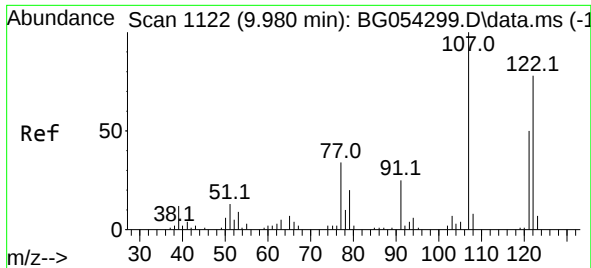


#26
2-Nitrophenol
Concen: 2.982 ng
RT: 9.915 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



Tgt Ion:139 Resp: 1515
Ion Ratio Lower Upper
139 100
109 67.3 36.1 54.1#
65 52.3 55.8 83.6#





#27

2,4-Dimethylphenol

Concen: 4.276 ng

RT: 9.974 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BG054318.D

Acq: 19 Jul 2022 14:56

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:122 Resp: 300

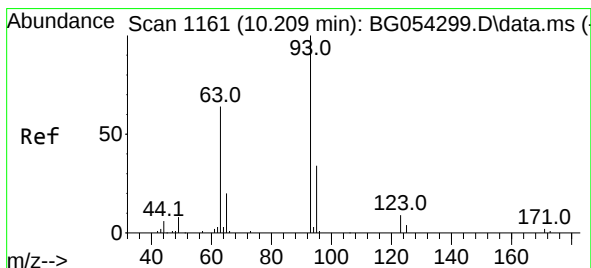
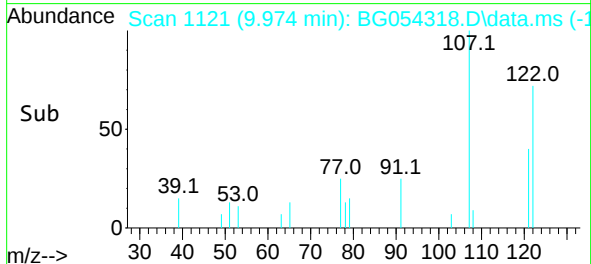
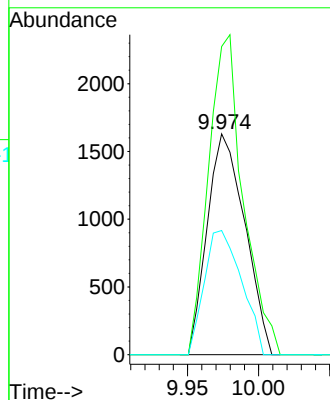
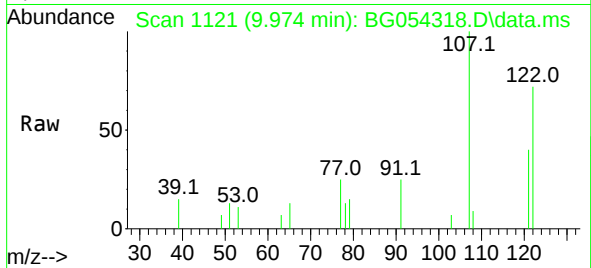
Ion	Ratio	Lower	Upper
122	100		
107	139.6	109.4	164.0
121	56.2	48.7	73.1

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: 4.139 ng

RT: 10.203 min Scan# 1160

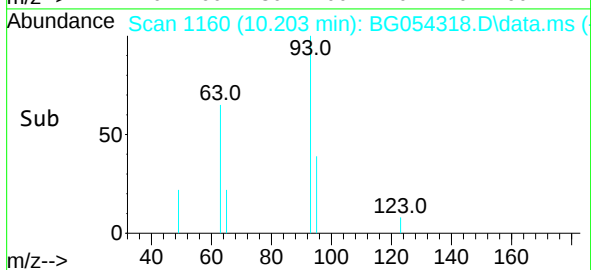
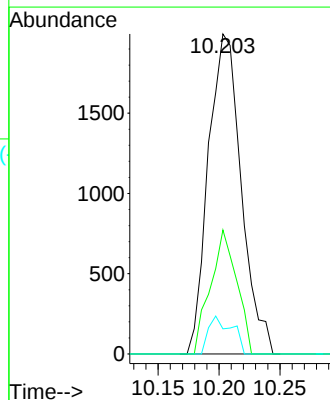
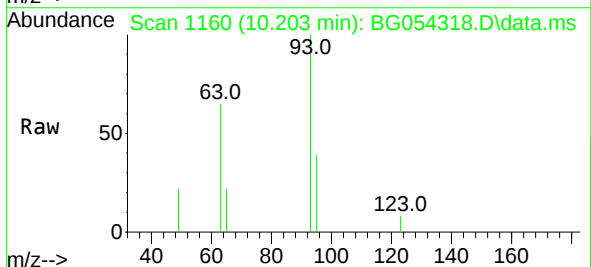
Delta R.T. -0.006 min

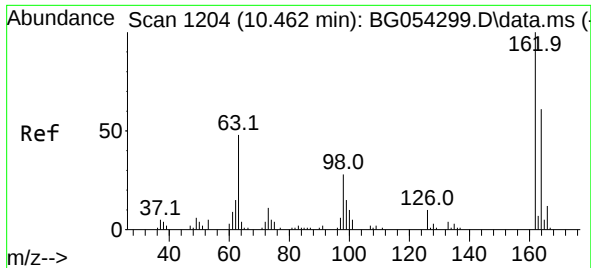
Lab File: BG054318.D

Acq: 19 Jul 2022 14:56

Tgt Ion: 93 Resp: 3744

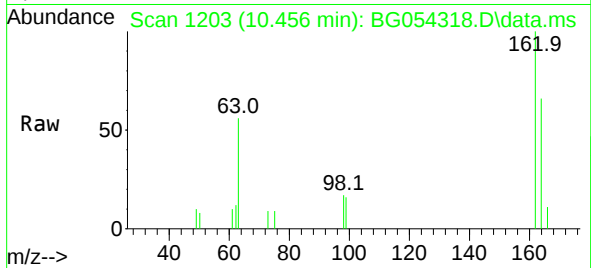
Ion	Ratio	Lower	Upper
93	100		
95	38.8	26.9	40.3
123	7.8	7.7	11.5





#29
2,4-Dichlorophenol
Concen: 3.481 ng
RT: 10.456 min Scan# 1203
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

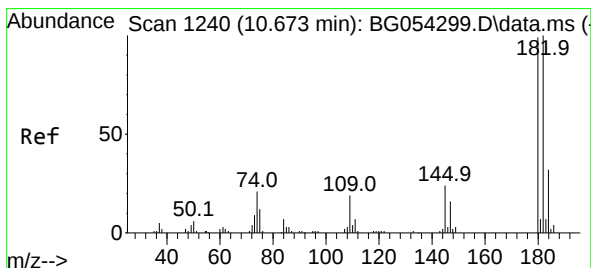
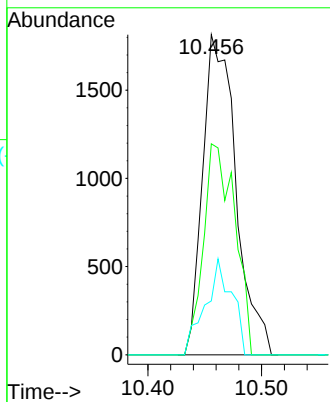
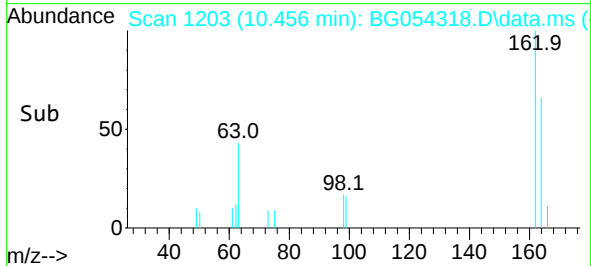
Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT2-2022



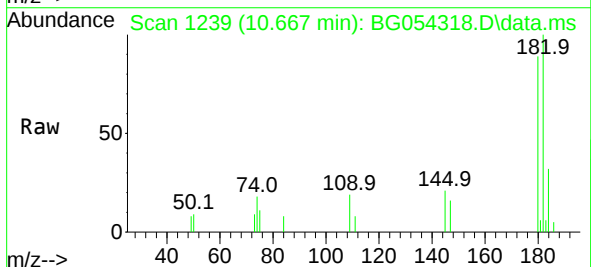
Tgt Ion:162 Resp: 368
Ion Ratio Lower Upper
162 100
164 65.9 46.6 86.6
98 16.8 22.8 62.8

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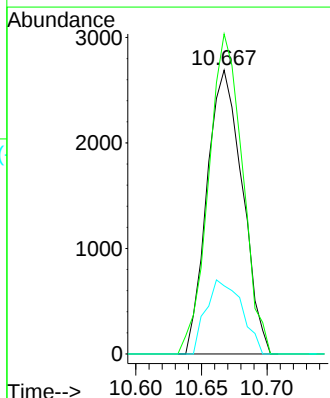
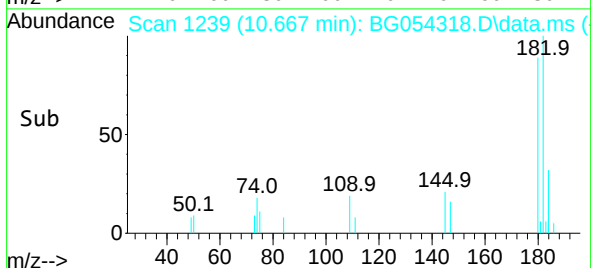
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

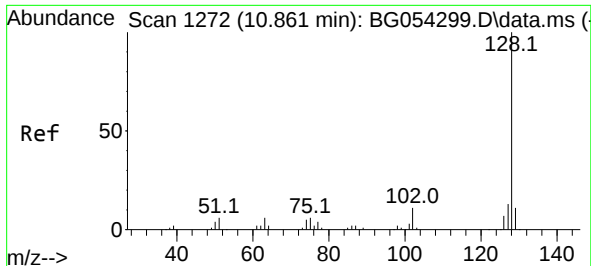


#30
1,2,4-Trichlorobenzene
Concen: 3.843 ng
RT: 10.667 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



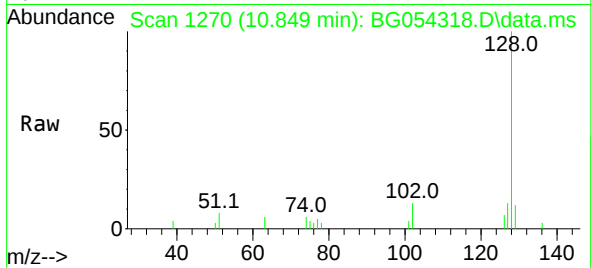
Tgt Ion:180 Resp: 5042
Ion Ratio Lower Upper
180 100
182 112.8 76.6 115.0
145 24.0 25.0 37.4





#31
Naphthalene
Concen: 3.911 ng
RT: 10.849 min Scan# 1102
Delta R.T. -0.012 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

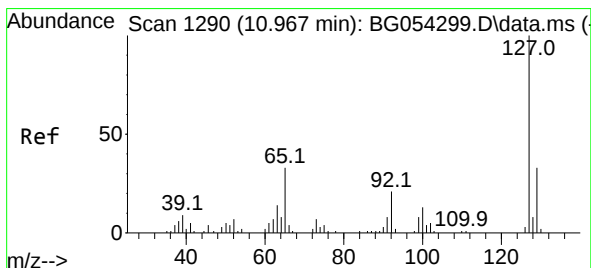
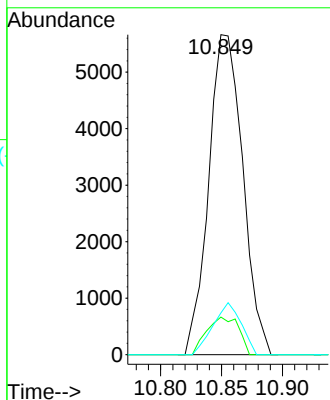
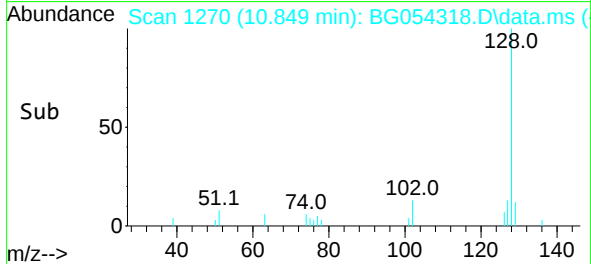
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



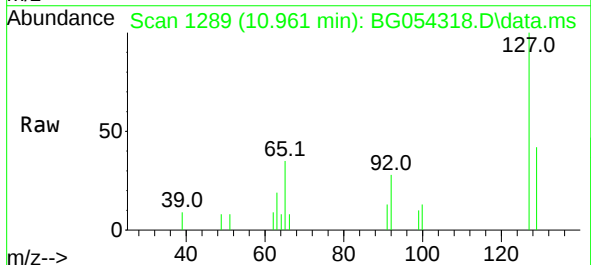
Tgt Ion:128 Resp: 1102
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 13.0 11.1 16.7

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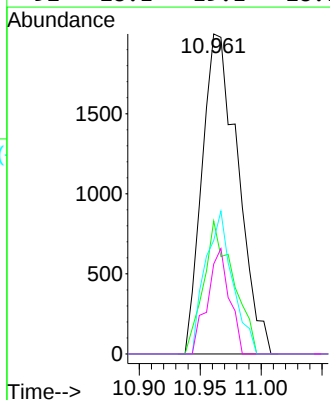
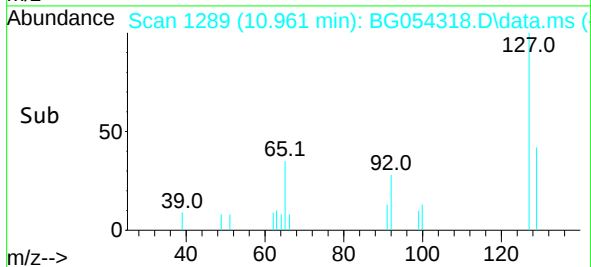
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

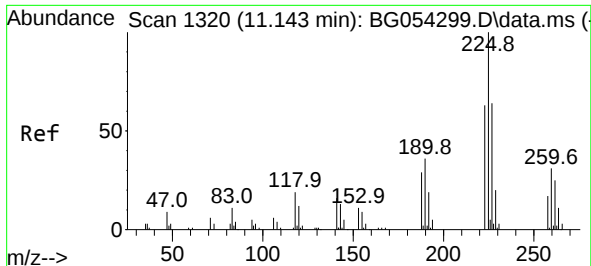


#33
4-Chloroaniline
Concen: 3.551 ng
RT: 10.961 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



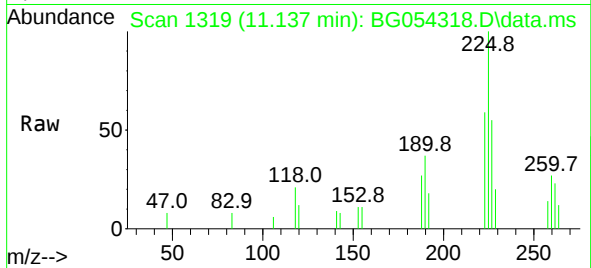
Tgt Ion:127 Resp: 4071
Ion Ratio Lower Upper
127 100
129 41.5 26.3 39.5#
65 35.4 31.1 46.7
92 28.1 19.1 28.7





#34
Hexachlorobutadiene
Concen: 3.991 ng
RT: 11.137 min Scan# 1113
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

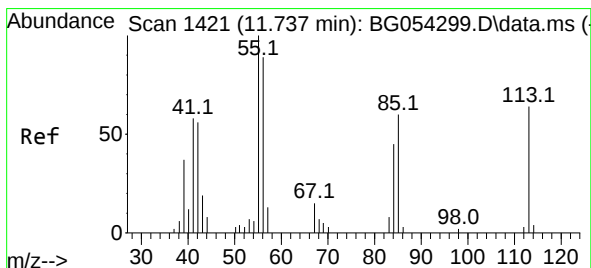
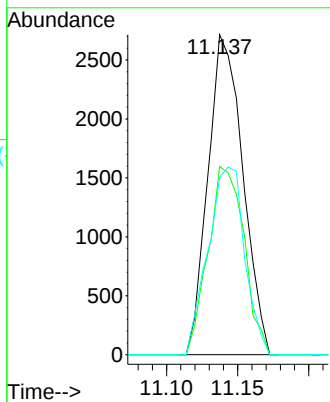
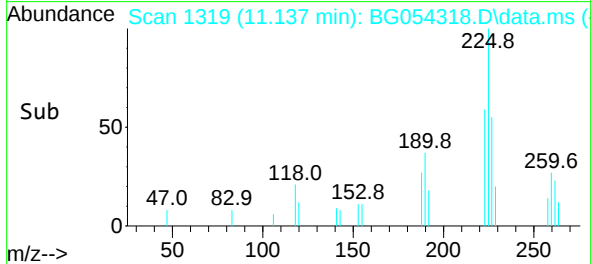
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:225 Resp: 462
Ion Ratio Lower Upper
225 100
223 58.8 48.9 73.3
227 55.4 52.8 79.2

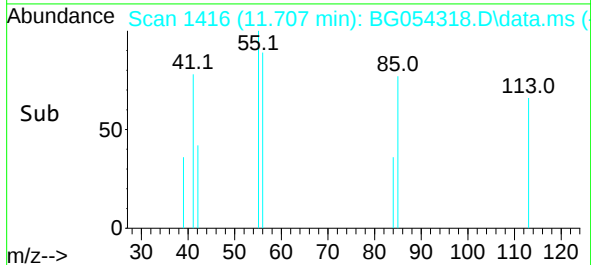
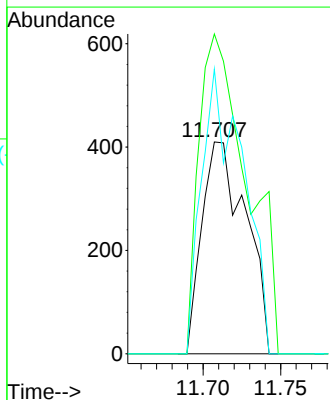
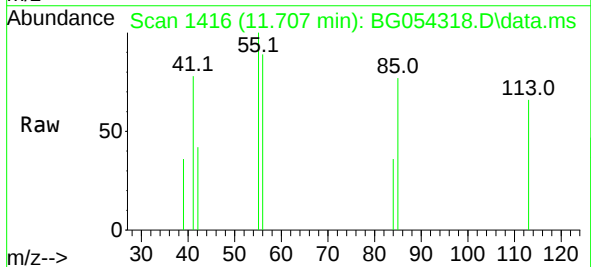
Manual Integrations
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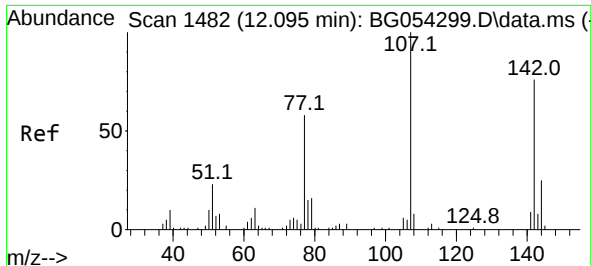
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#35
Caprolactam
Concen: 3.022 ng
RT: 11.707 min Scan# 1416
Delta R.T. -0.029 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

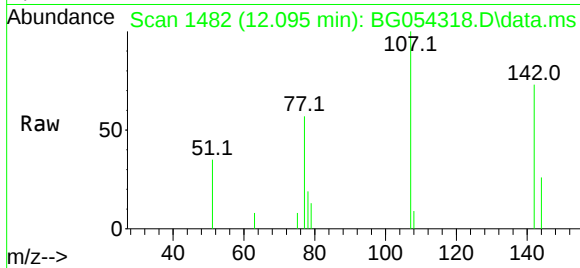
Tgt Ion:113 Resp: 806
Ion Ratio Lower Upper
113 100
55 151.0 169.8 209.8#
56 134.4 141.2 181.2#





#36
4-Chloro-3-methylphenol
Concen: 3.526 ng
RT: 12.095 min Scan# 1482
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

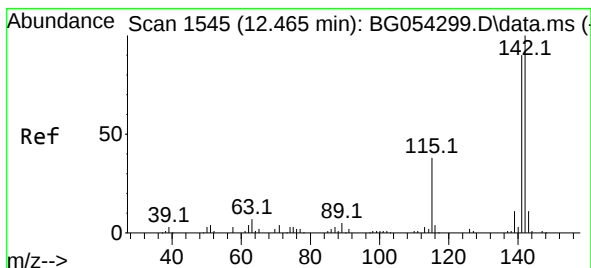
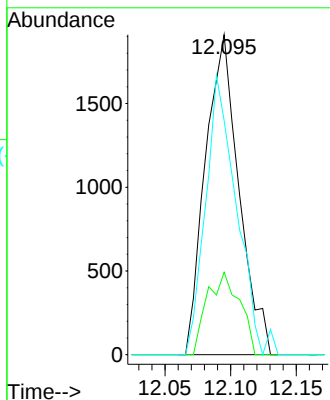
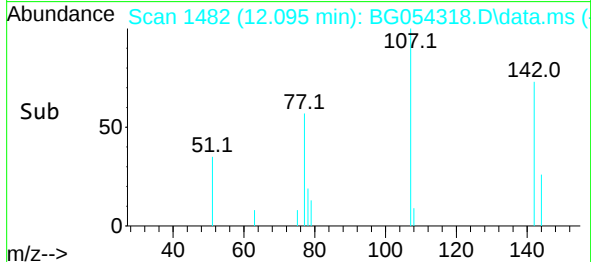
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



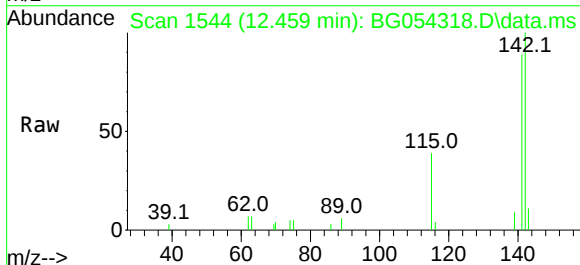
Tgt Ion:107 Resp: 3398
Ion Ratio Lower Upper
107 100
144 25.7 18.5 27.7
142 73.2 55.0 82.4

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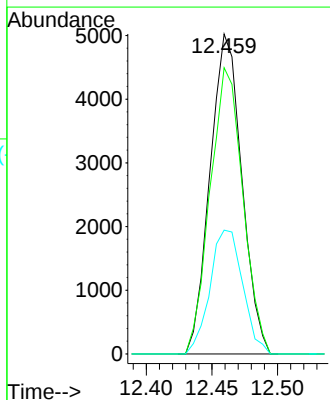
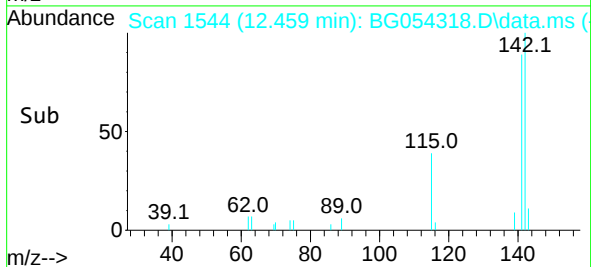
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

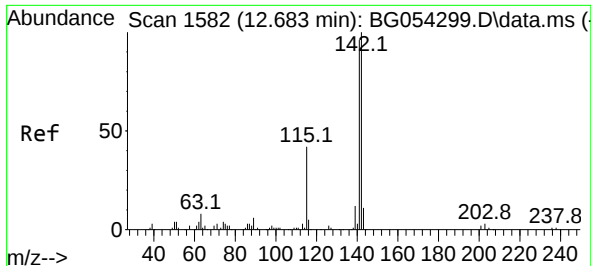


#37
2-Methylnaphthalene
Concen: 3.903 ng
RT: 12.459 min Scan# 1544
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



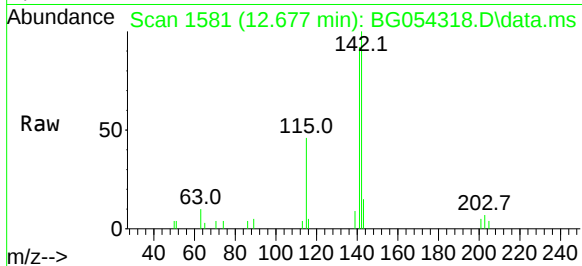
Tgt Ion:142 Resp: 8450
Ion Ratio Lower Upper
142 100
141 89.5 72.3 108.5
115 38.7 33.7 50.5





#38
1-Methylnaphthalene
Concen: 3.734 ng
RT: 12.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

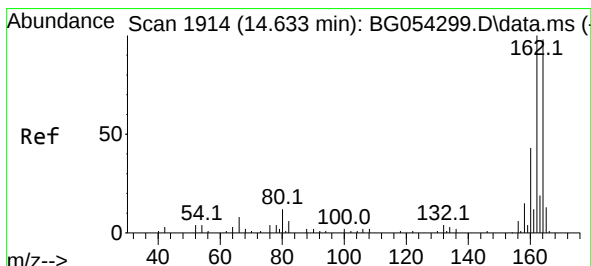
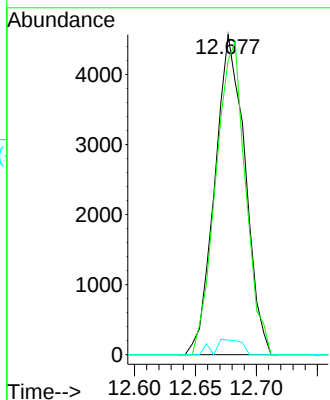
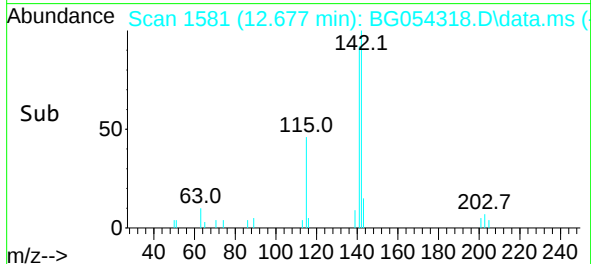
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



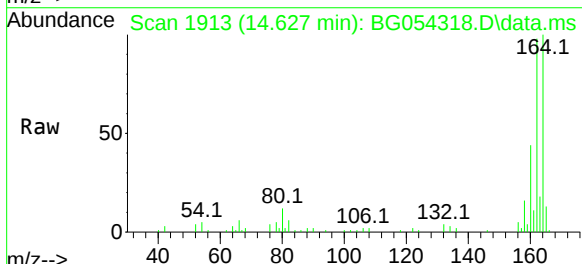
Tgt Ion:142 Resp: 787
Ion Ratio Lower Upper
142 100
141 91.9 76.4 114.6
116 4.5 3.3 4.9

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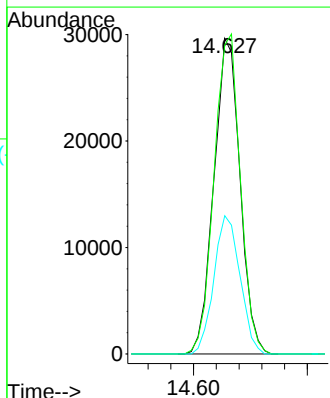
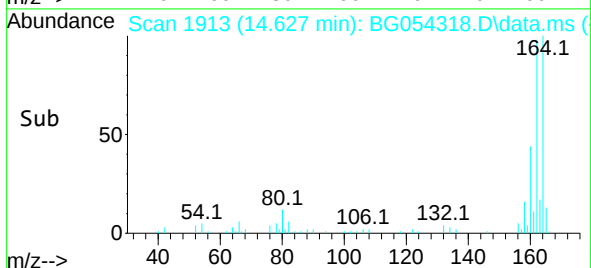
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

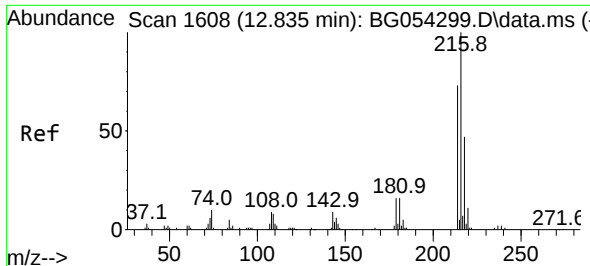


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.627 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



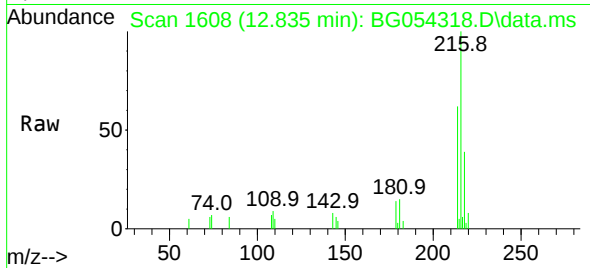
Tgt Ion:164 Resp: 47227
Ion Ratio Lower Upper
164 100
162 97.9 82.3 123.5
160 43.8 34.2 51.2





#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.099 ng
RT: 12.835 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

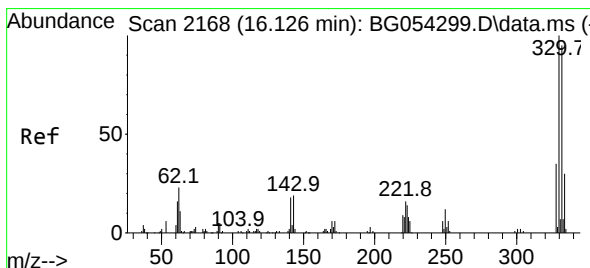
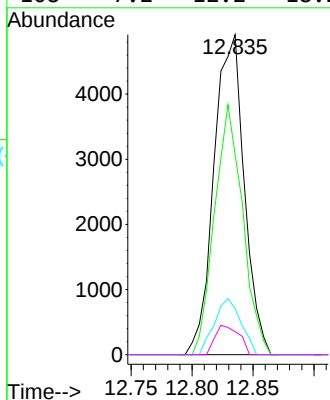
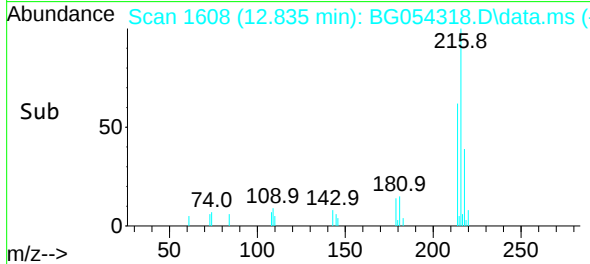
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



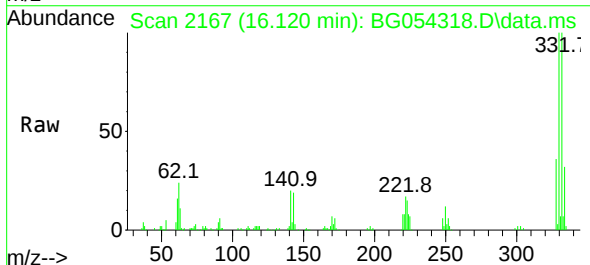
Tgt Ion:216 Resp: 848
Ion Ratio Lower Upper
216 100
214 72.7 62.9 94.3
179 15.4 16.1 24.1
108 7.2 12.2 18.2#

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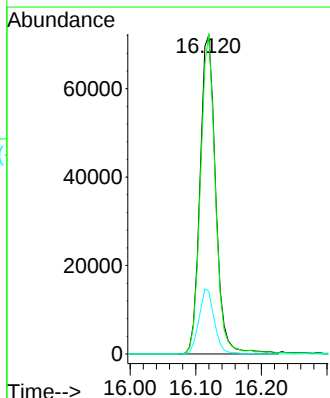
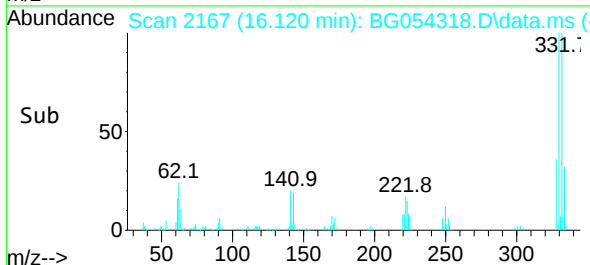
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

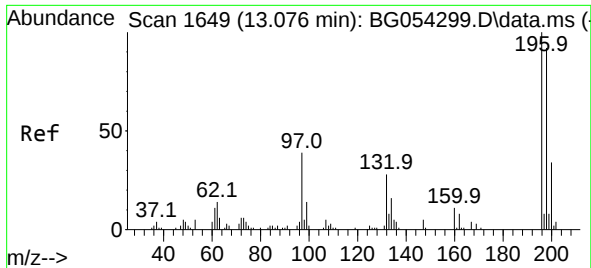


#42
2,4,6-Tribromophenol
Concen: 121.034 ng
RT: 16.120 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



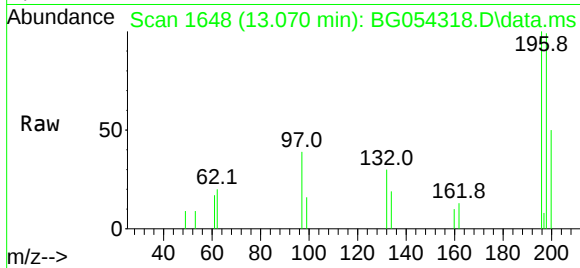
Tgt Ion:330 Resp: 120016
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 19.8 27.1 40.7#





#43
2,4,6-Trichlorophenol
Concen: 3.163 ng m
RT: 13.070 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

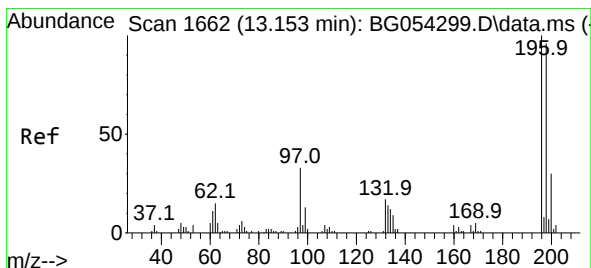
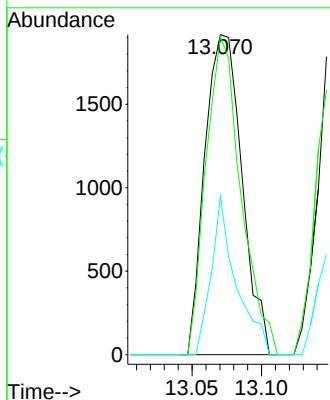
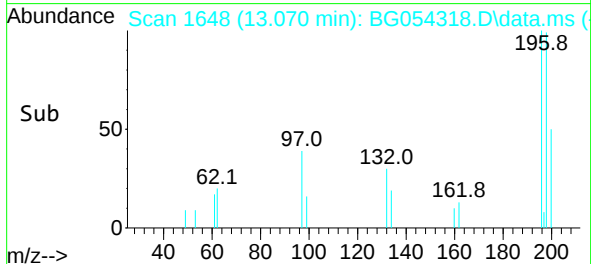
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



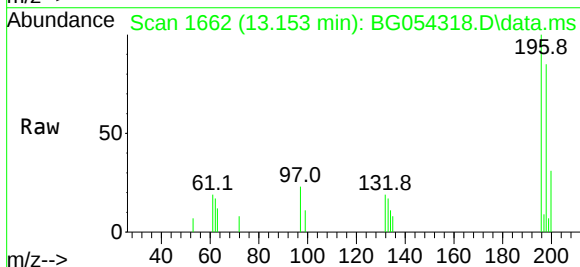
Tgt Ion:196 Resp: 356
Ion Ratio Lower Upper
196 100
198 99.4 74.1 111.1
200 49.5 24.7 37.1

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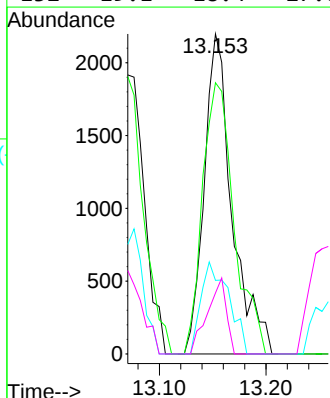
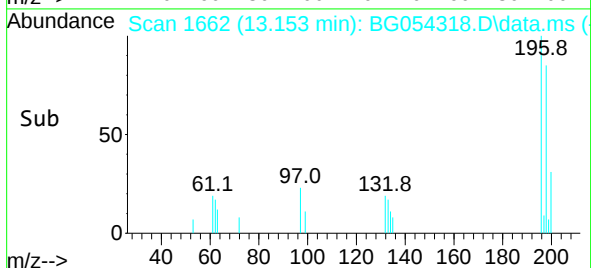
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

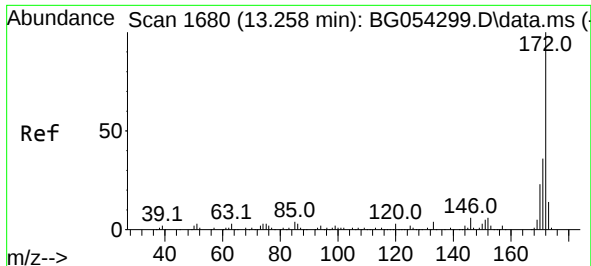


#44
2,4,5-Trichlorophenol
Concen: 3.139 ng
RT: 13.153 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



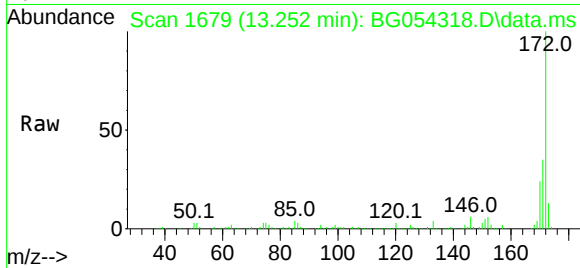
Tgt Ion:196 Resp: 3996
Ion Ratio Lower Upper
196 100
198 84.8 76.8 115.2
97 23.0 39.8 59.6#
132 19.1 18.4 27.6





#45
2-Fluorobiphenyl
Concen: 89.945 ng
RT: 13.252 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

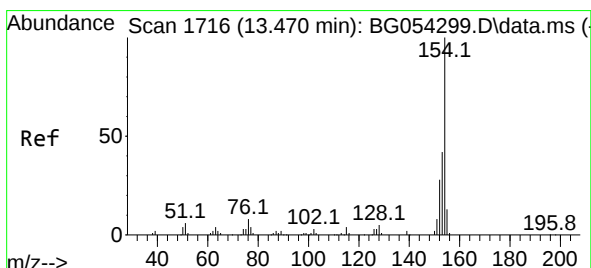
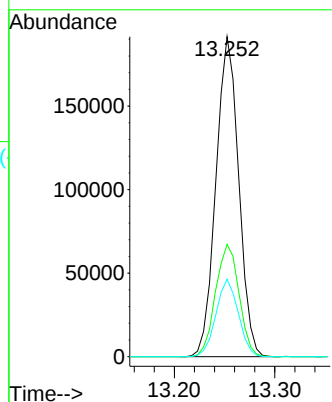
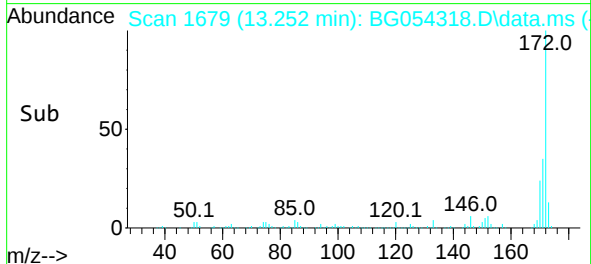
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



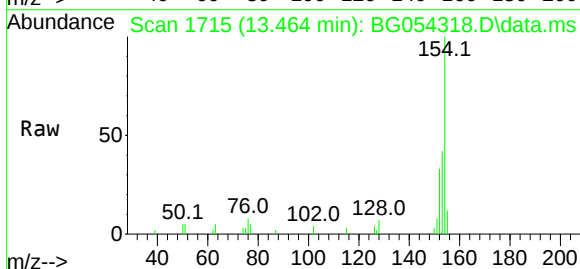
Tgt Ion:172 Resp: 30111
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 24.2 18.9 28.3

Manual Integrations
APPROVED

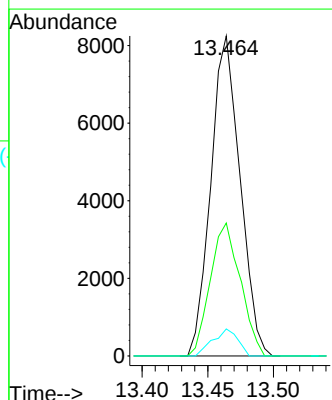
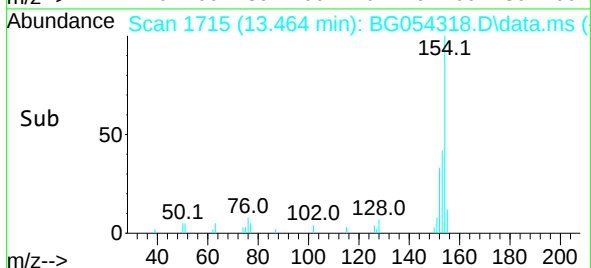
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

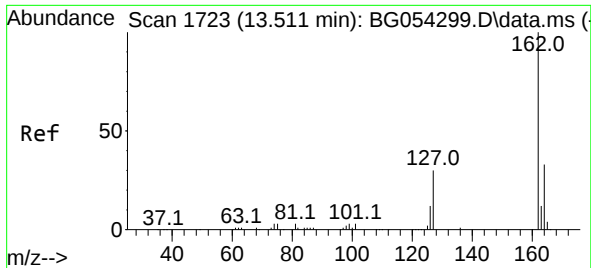


#46
1,1'-Biphenyl
Concen: 3.953 ng
RT: 13.464 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



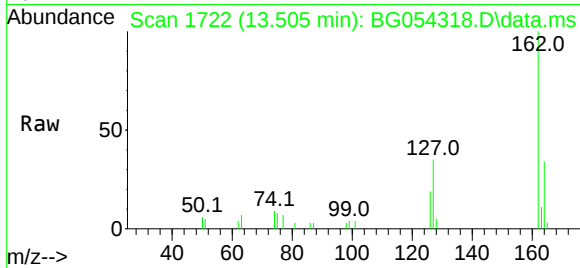
Tgt Ion:154 Resp: 12772
Ion Ratio Lower Upper
154 100
153 41.5 21.6 61.6
76 8.5 0.0 32.6





#47
2-Chloronaphthalene
Concen: 3.782 ng
RT: 13.505 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

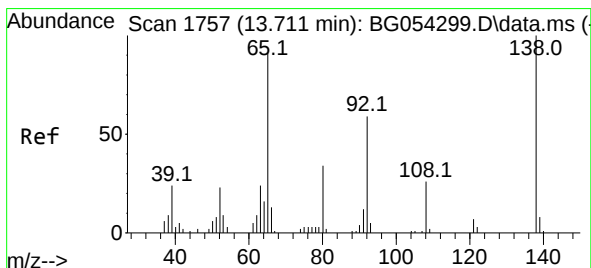
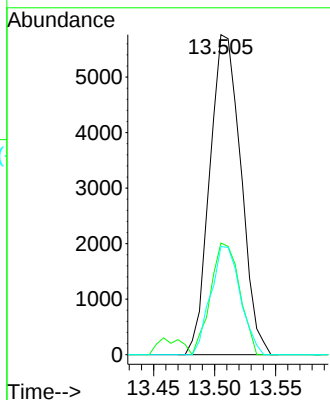
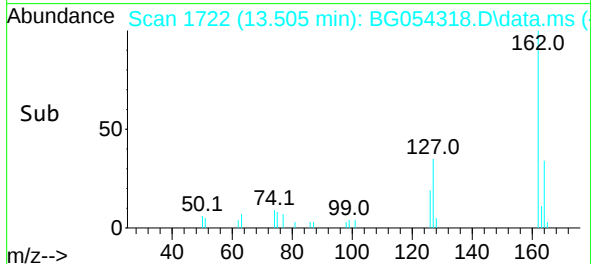
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



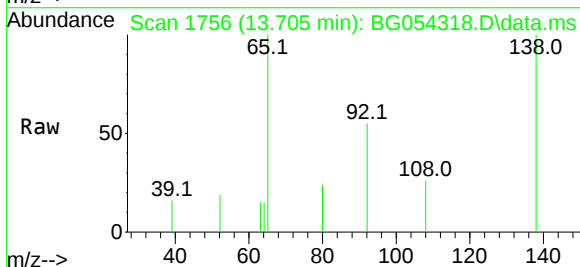
Tgt Ion:162 Resp: 1022
Ion Ratio Lower Upper
162 100
127 34.9 30.6 45.8
164 33.8 26.5 39.7

Manual Integrations
APPROVED

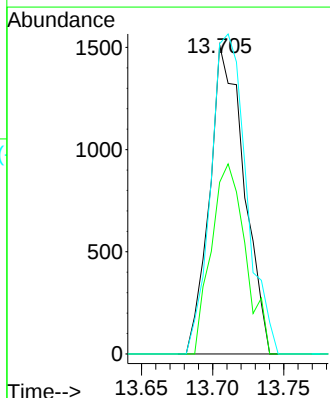
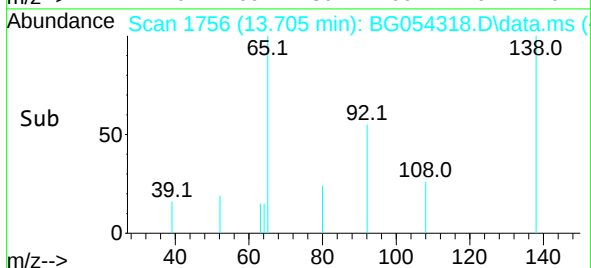
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

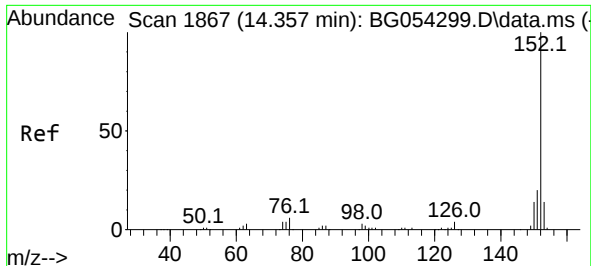


#48
2-Nitroaniline
Concen: 3.602 ng
RT: 13.705 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



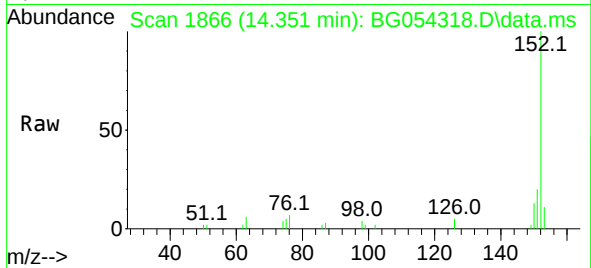
Tgt Ion: 65 Resp: 2542
Ion Ratio Lower Upper
65 100
92 55.6 51.5 77.3
138 100.5 71.3 106.9





#49
Acenaphthylene
Concen: 3.948 ng
RT: 14.351 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

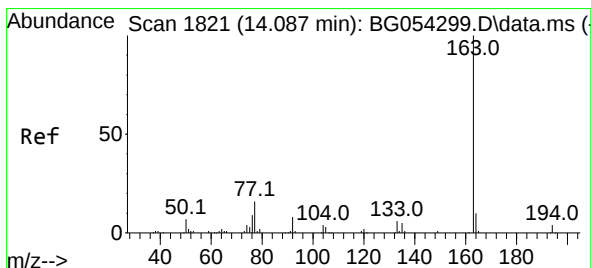
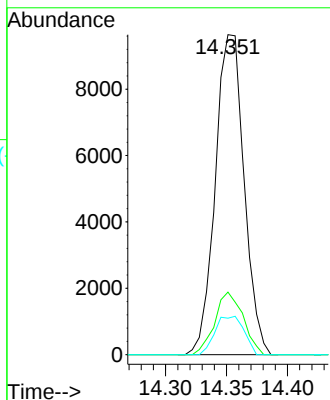
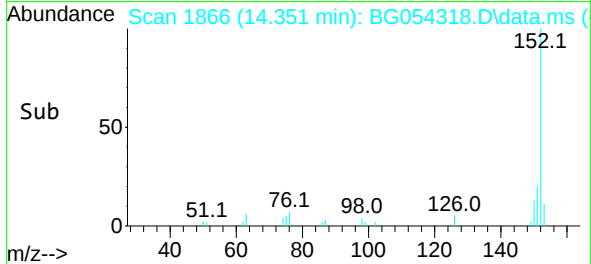
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



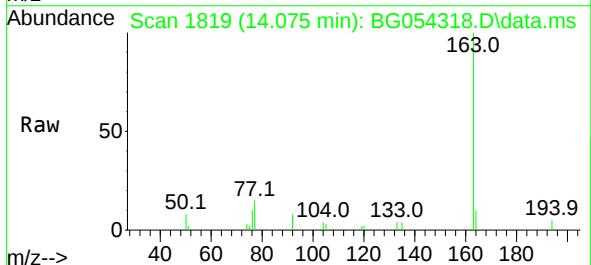
Tgt Ion:152 Resp: 15864
Ion Ratio Lower Upper
152 100
151 19.5 16.4 24.6
153 11.4 10.8 16.2

Manual Integrations
APPROVED

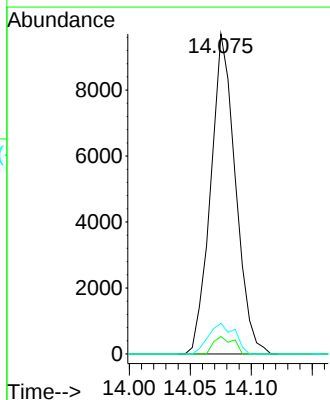
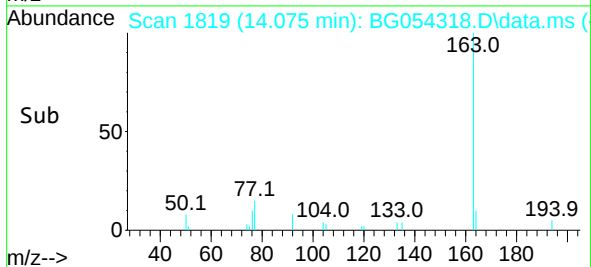
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

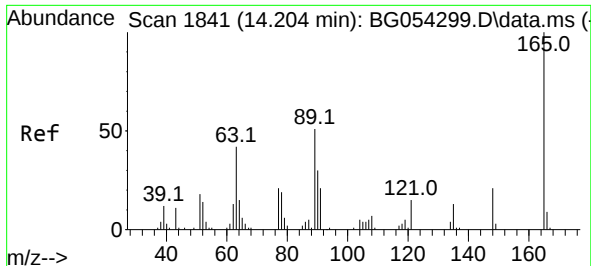


#50
Dimethylphthalate
Concen: 3.728 ng
RT: 14.075 min Scan# 1819
Delta R.T. -0.012 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



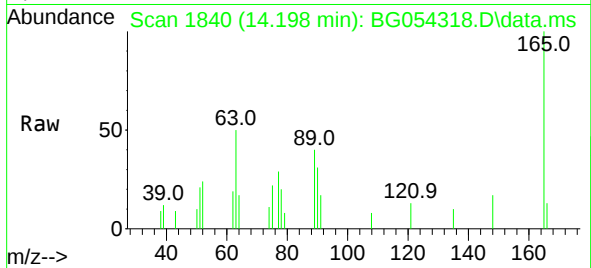
Tgt Ion:163 Resp: 13751
Ion Ratio Lower Upper
163 100
194 5.4 3.0 4.6#
164 9.6 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 3.210 ng
RT: 14.198 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

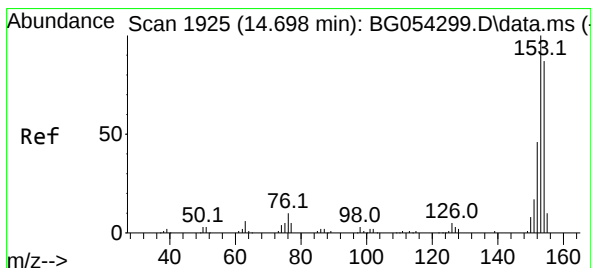
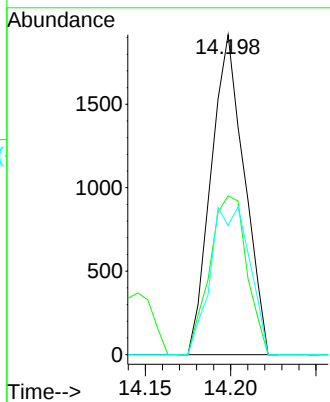
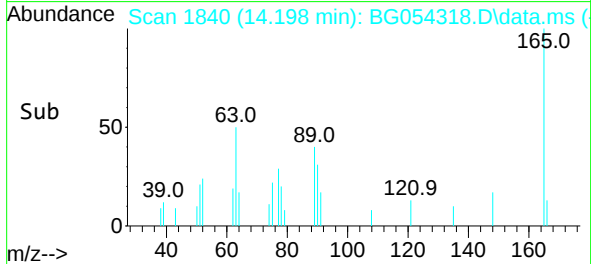
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



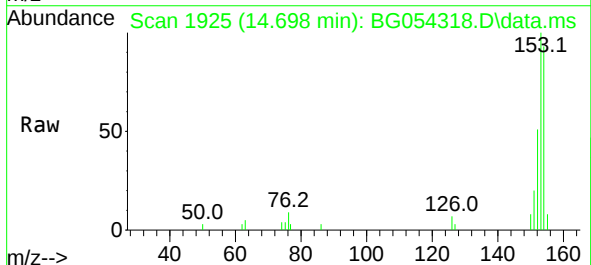
Tgt Ion:165 Resp: 259
Ion Ratio Lower Upper
165 100
63 49.7 54.1 81.1
89 40.4 54.8 82.2

Manual Integrations
APPROVED

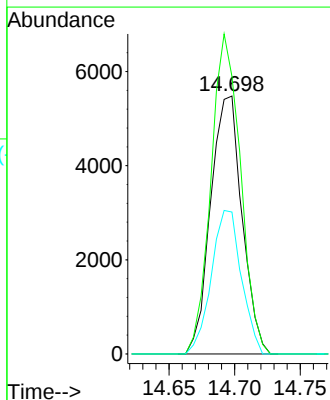
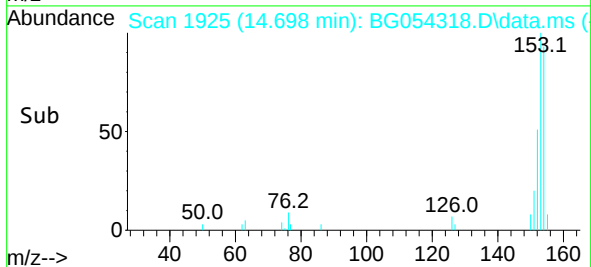
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

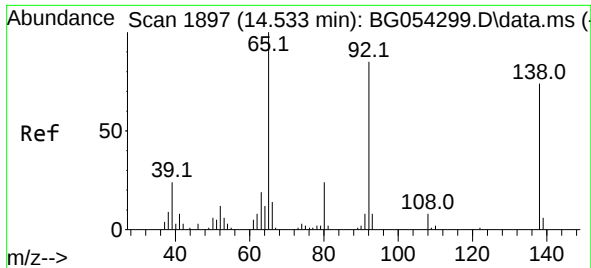


#52
Acenaphthene
Concen: 3.737 ng
RT: 14.698 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



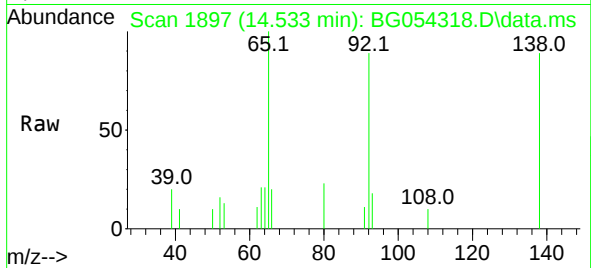
Tgt Ion:154 Resp: 9091
Ion Ratio Lower Upper
154 100
153 107.6 92.7 139.1
152 55.1 42.6 64.0





#53
3-Nitroaniline
Concen: 3.563 ng
RT: 14.533 min Scan# 1897
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

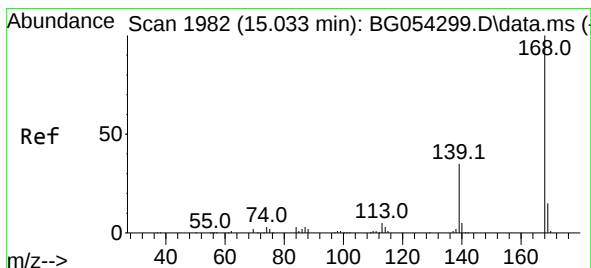
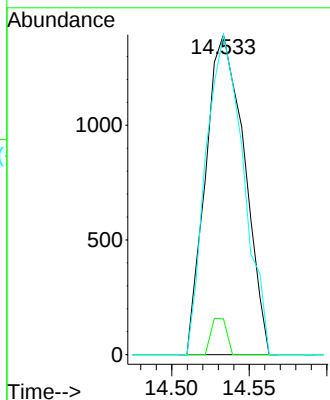
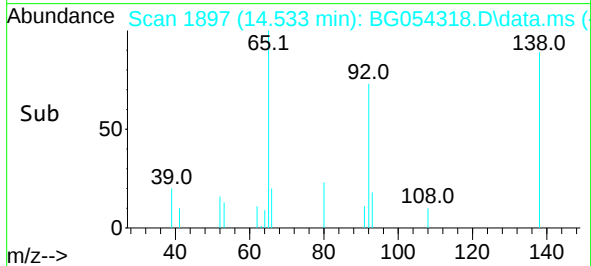
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



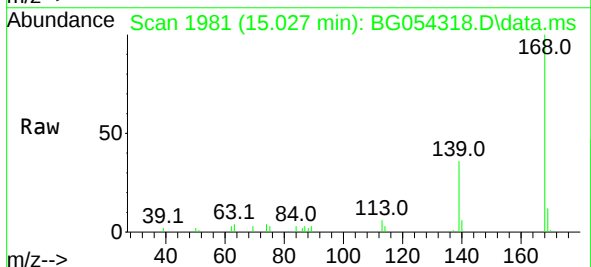
Tgt Ion:138 Resp: 241
Ion Ratio Lower Upper
138 100
108 11.2 9.2 13.8
92 100.0 101.9 152.9

Manual Integrations
APPROVED

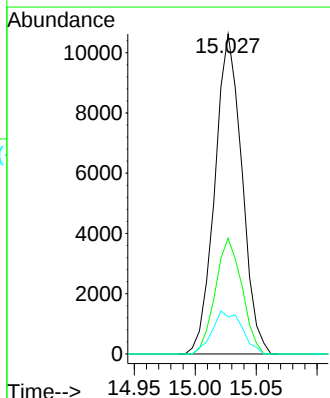
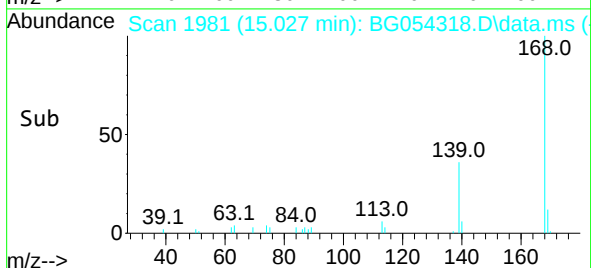
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

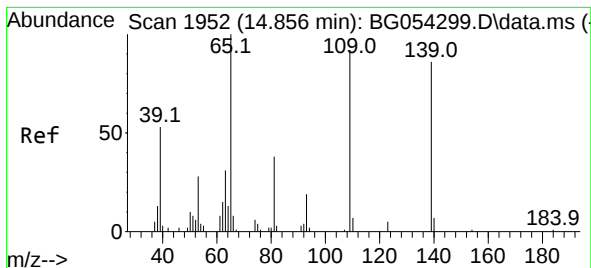


#55
Dibenzofuran
Concen: 3.794 ng
RT: 15.027 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



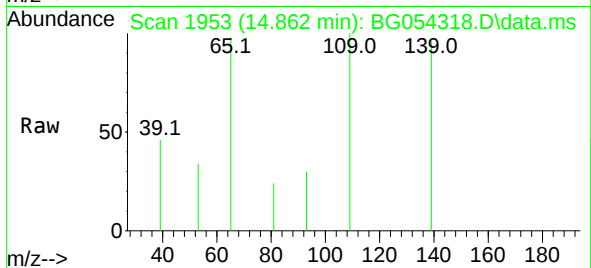
Tgt Ion:168 Resp: 16426
Ion Ratio Lower Upper
168 100
139 36.2 30.5 45.7
169 11.6 10.3 15.5





#56
4-Nitrophenol
Concen: 2.155 ng
RT: 14.862 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

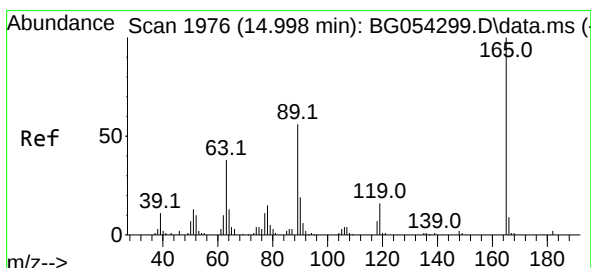
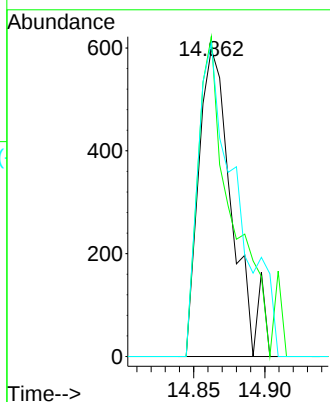
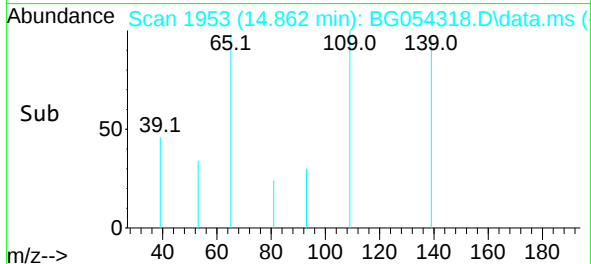
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



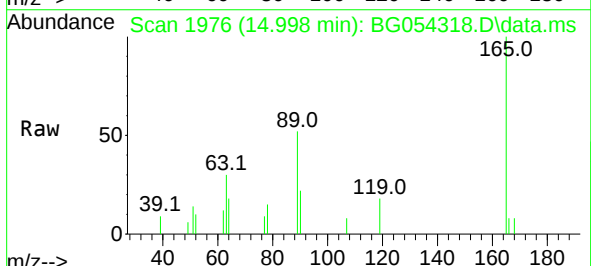
Tgt Ion:139 Resp: 97.0
Ion Ratio Lower Upper
139 100
109 104.0 88.5 128.5
65 102.0 93.9 133.9

Manual Integrations
APPROVED

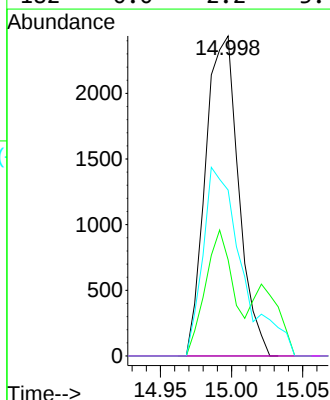
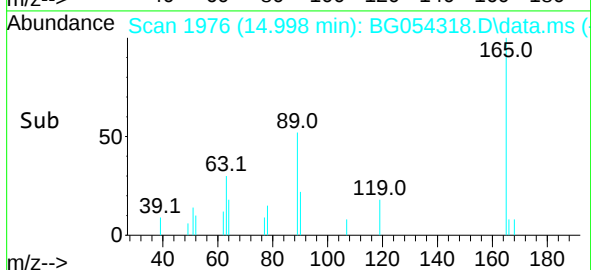
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

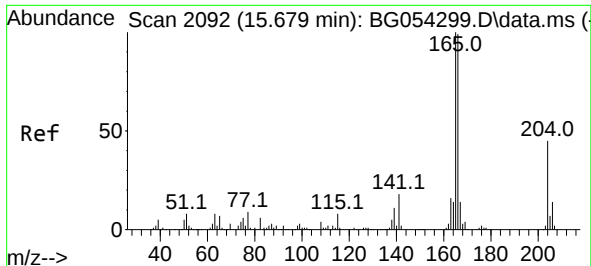


#57
2,4-Dinitrotoluene
Concen: 3.397 ng
RT: 14.998 min Scan# 1976
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



Tgt Ion:165 Resp: 3940
Ion Ratio Lower Upper
165 100
63 30.1 34.6 52.0#
89 51.9 60.3 90.5#
182 0.0 2.2 3.4#





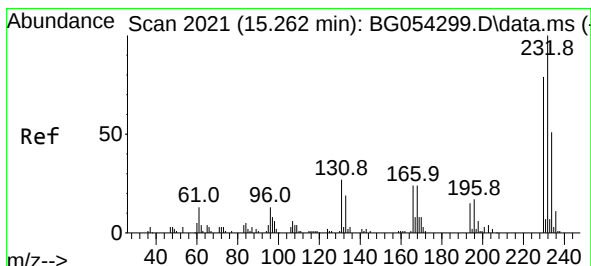
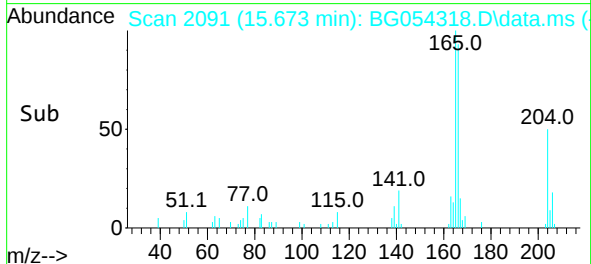
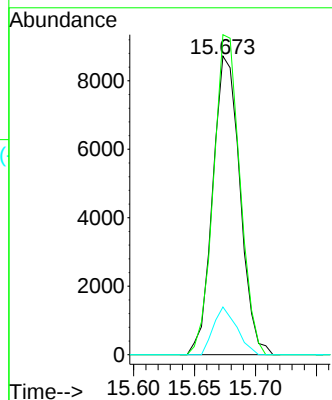
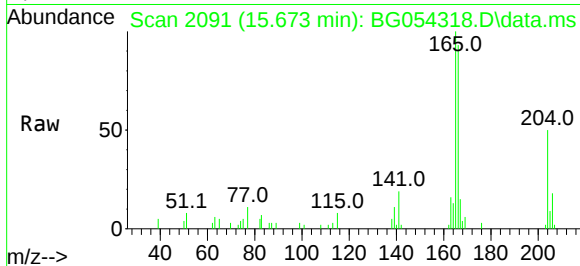
#58
Fluorene
Concen: 3.812 ng
RT: 15.673 min Scan# 2092
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

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

Tgt Ion:166 Resp: 1356
Ion Ratio Lower Upper
166 100
165 107.2 75.0 112.6
167 16.0 10.8 16.2

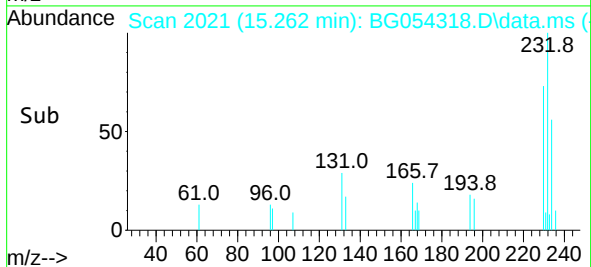
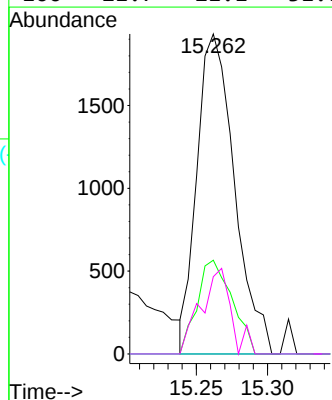
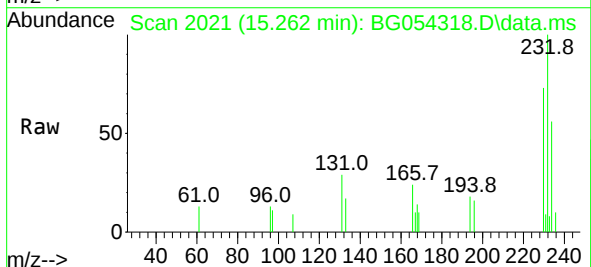
Manual Integrations
APPROVED

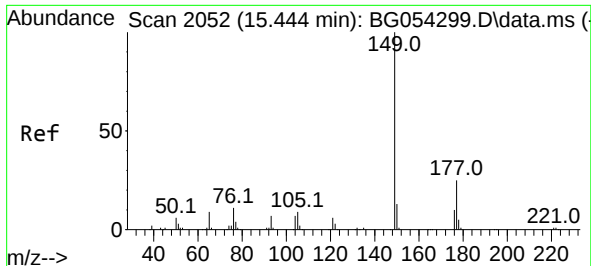
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#59
2,3,4,6-Tetrachlorophenol
Concen: 2.855 ng
RT: 15.262 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

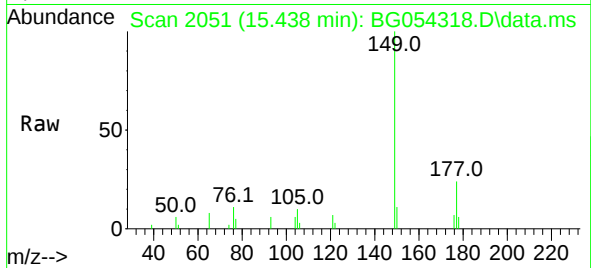
Tgt Ion:232 Resp: 3538
Ion Ratio Lower Upper
232 100
131 27.4 30.6 46.0#
130 0.0 1.8 2.8#
166 21.7 21.1 31.7





#60
Diethylphthalate
Concen: 3.725 ng
RT: 15.438 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

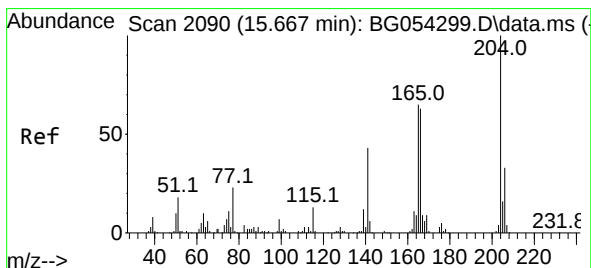
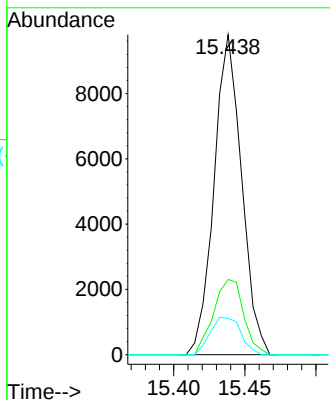
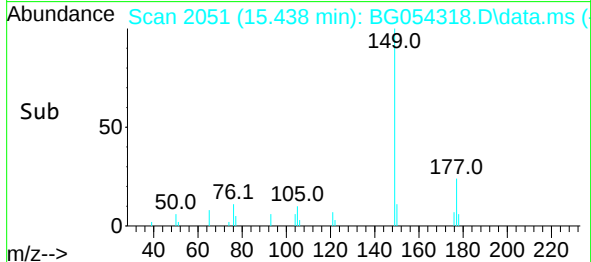
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



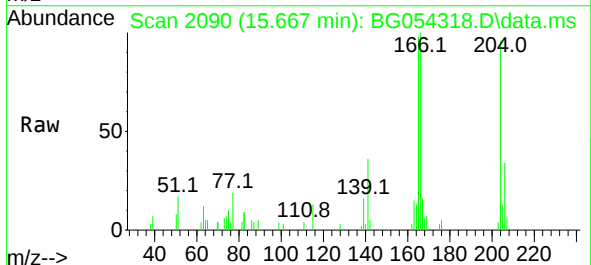
Tgt Ion:149 Resp: 1318
Ion Ratio Lower Upper
149 100
177 23.5 18.4 27.6
150 11.4 11.2 16.8

Manual Integrations
APPROVED

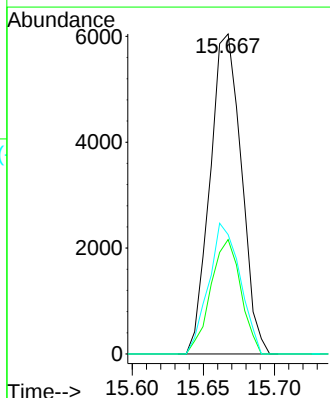
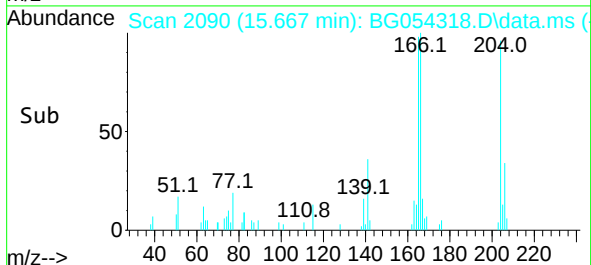
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

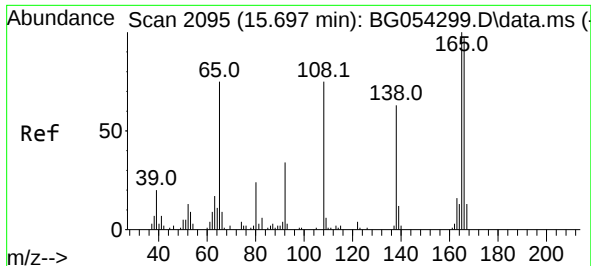


#61
4-Chlorophenyl-phenylether
Concen: 3.967 ng
RT: 15.667 min Scan# 2090
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



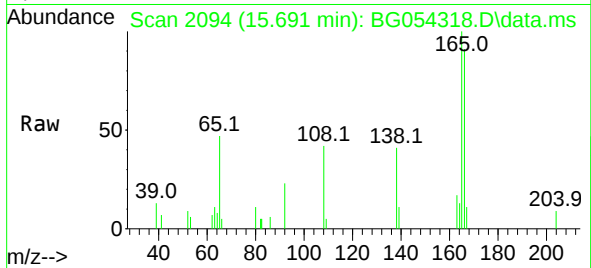
Tgt Ion:204 Resp: 9268
Ion Ratio Lower Upper
204 100
206 35.7 27.5 41.3
141 37.3 45.3 67.9#





#62
4-Nitroaniline
Concen: 3.540 ng
RT: 15.691 min Scan# 2095
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

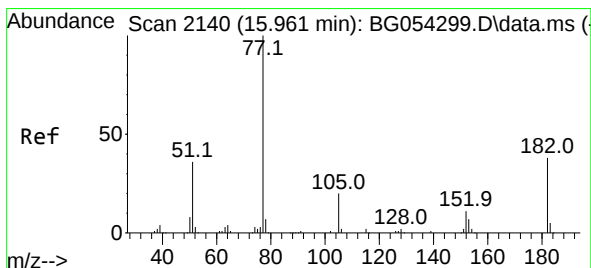
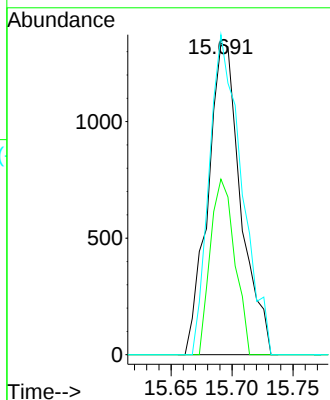
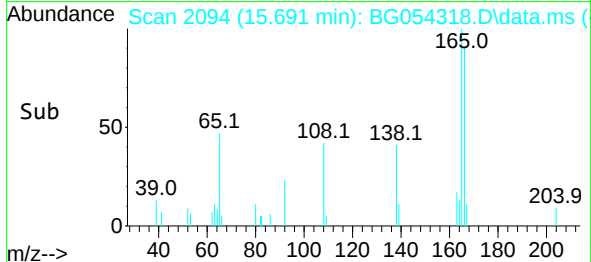
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:138 Resp: 251
Ion Ratio Lower Upper
138 100
92 56.4 40.5 80.5
108 102.8 103.7 143.7

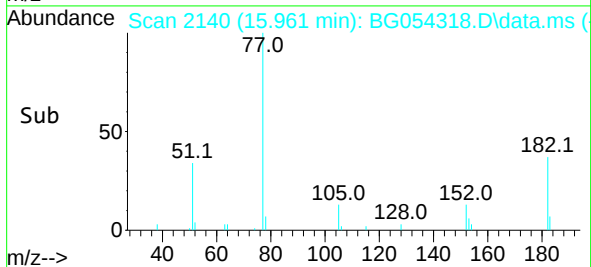
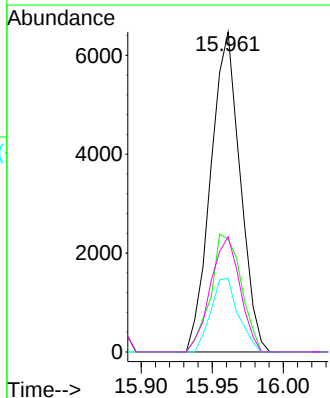
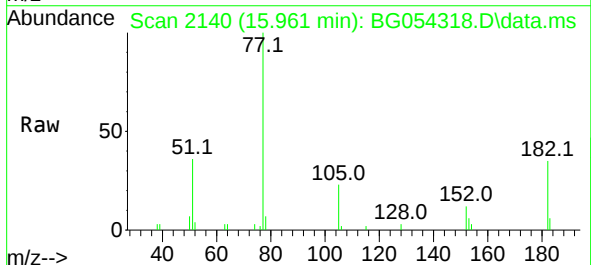
Manual Integrations
APPROVED

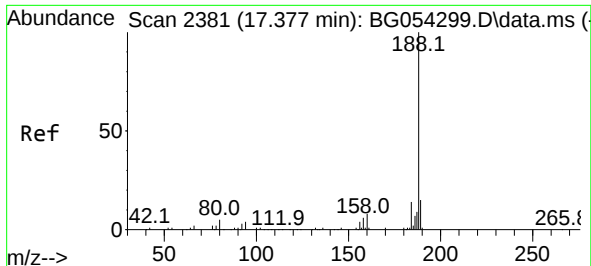
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#63
Azobenzene
Concen: 3.640 ng
RT: 15.961 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

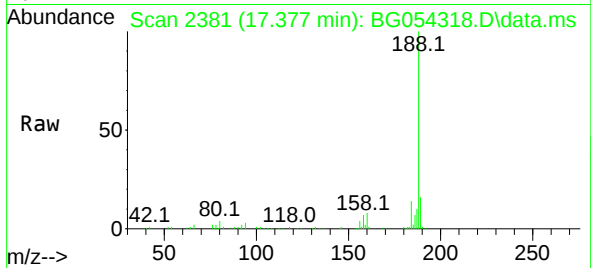
Tgt Ion: 77 Resp: 9308
Ion Ratio Lower Upper
77 100
182 35.3 3.8 43.8
105 23.0 0.0 37.8
51 36.0 10.7 50.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.377 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

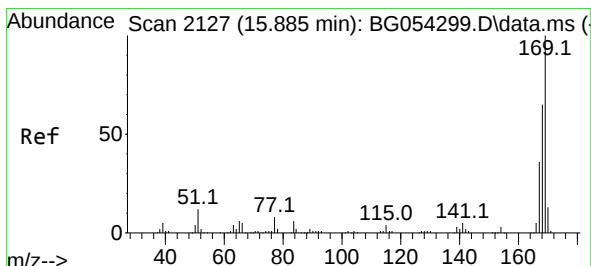
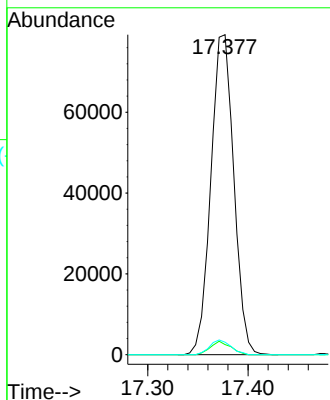
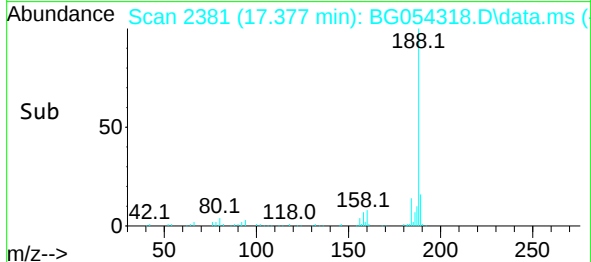
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



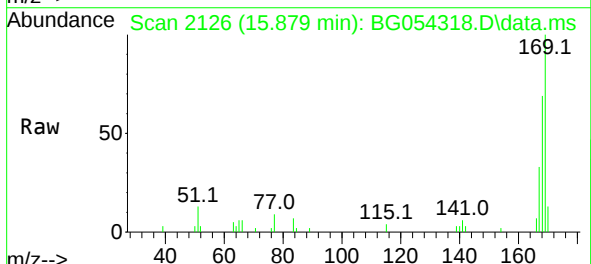
Tgt Ion:188 Resp: 125710
Ion Ratio Lower Upper
188 100
94 3.2 5.4 8.0
80 3.9 6.8 10.2

Manual Integrations
APPROVED

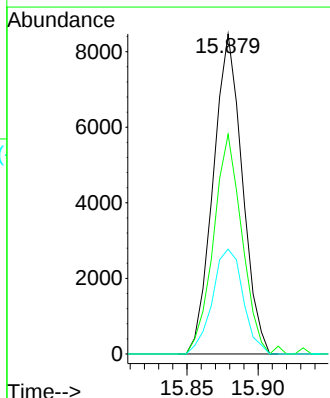
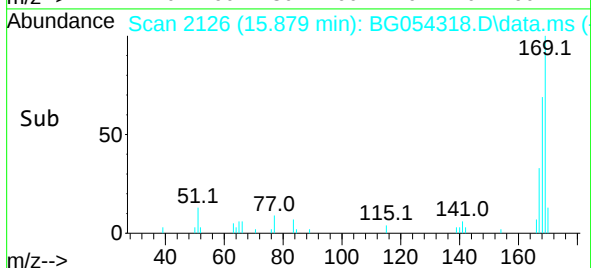
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

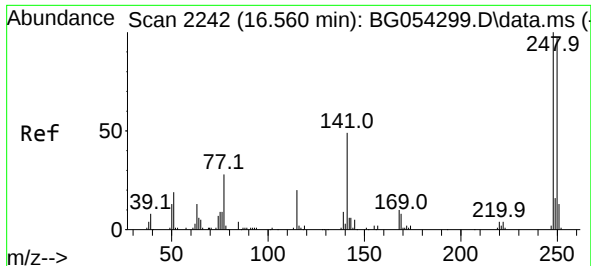


#66
n-Nitrosodiphenylamine
Concen: 3.837 ng
RT: 15.879 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



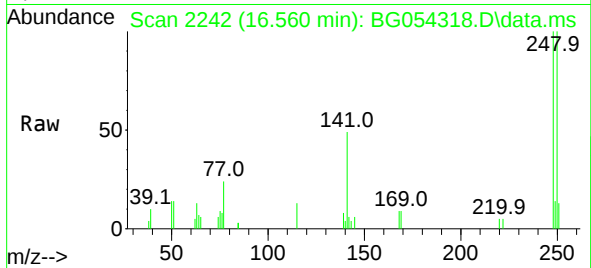
Tgt Ion:169 Resp: 12042
Ion Ratio Lower Upper
169 100
168 68.6 55.9 83.9
167 32.8 30.6 46.0





#67
4-Bromophenyl-phenylether
Concen: 3.868 ng
RT: 16.560 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

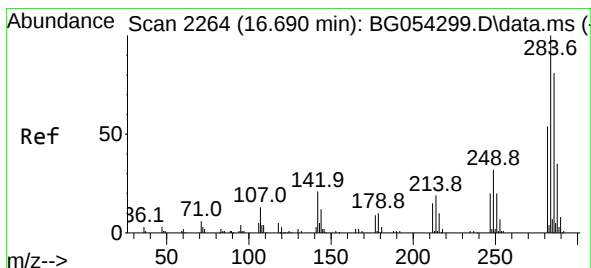
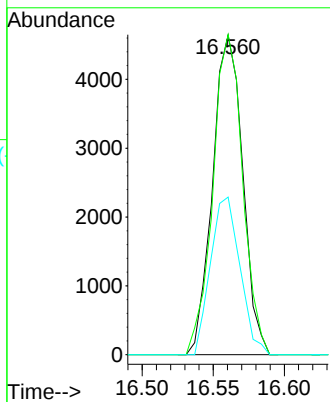
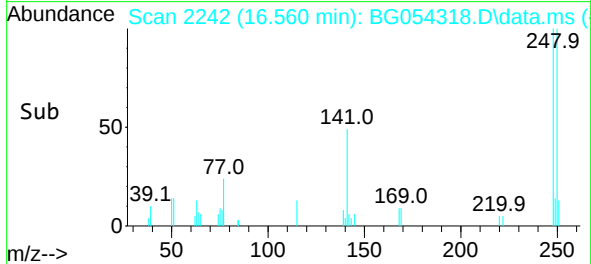
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



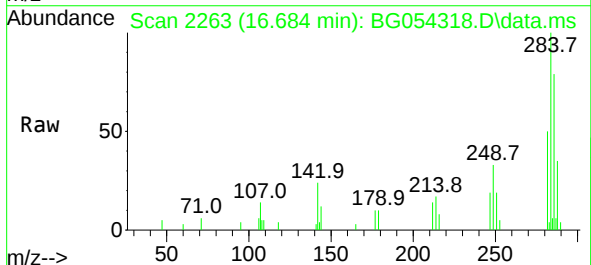
Tgt Ion:248 Resp: 6829
Ion Ratio Lower Upper
248 100
250 100.2 75.2 112.8
141 49.4 50.0 75.0

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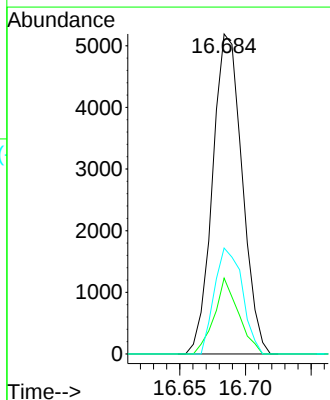
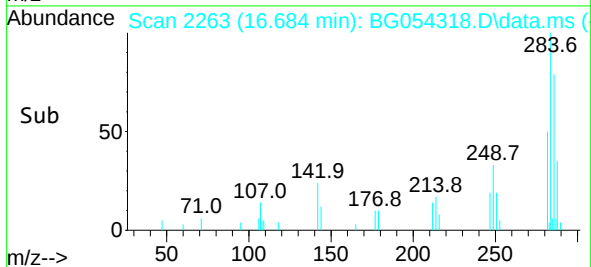
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

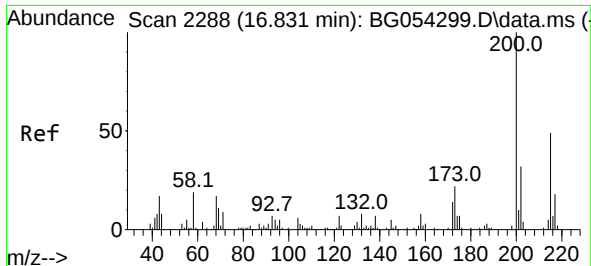


#68
Hexachlorobenzene
Concen: 4.020 ng
RT: 16.684 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



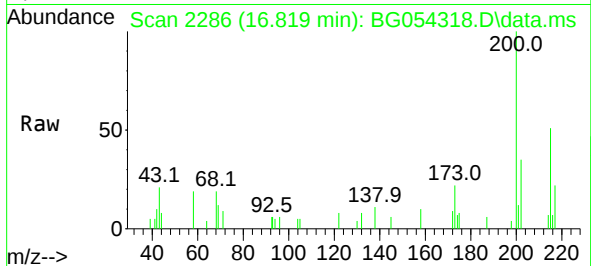
Tgt Ion:284 Resp: 8116
Ion Ratio Lower Upper
284 100
142 23.7 23.6 35.4
249 33.1 25.8 38.6





#69
Atrazine
Concen: 4.176 ng
RT: 16.819 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

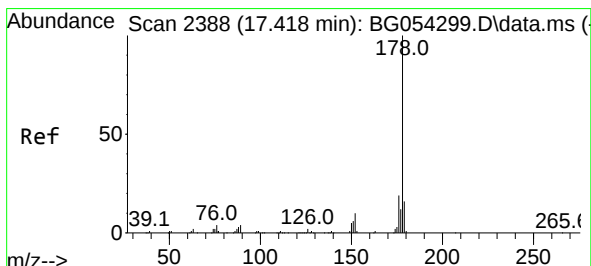
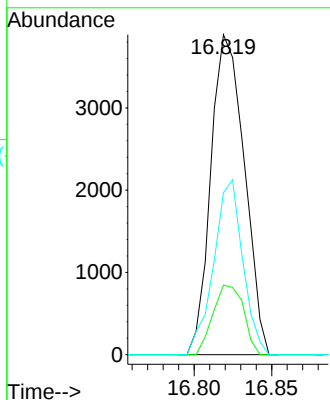
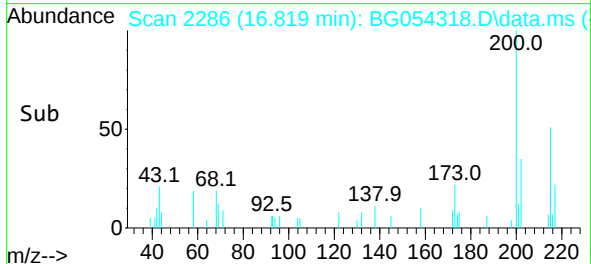
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



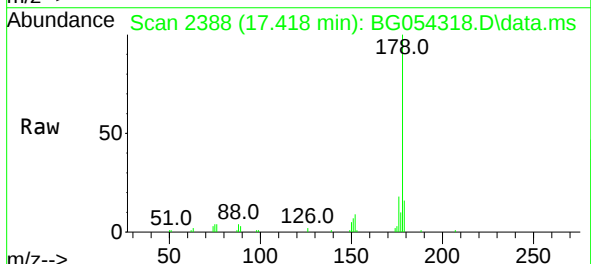
Tgt Ion:200 Resp: 583
Ion Ratio Lower Upper
200 100
173 21.7 3.7 43.7
215 50.7 25.2 65.2

Manual Integrations
APPROVED

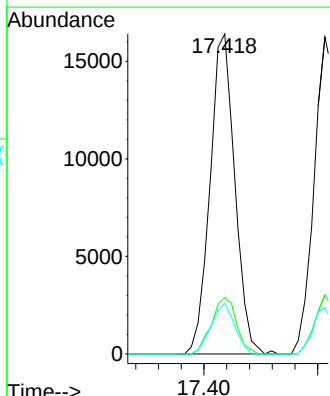
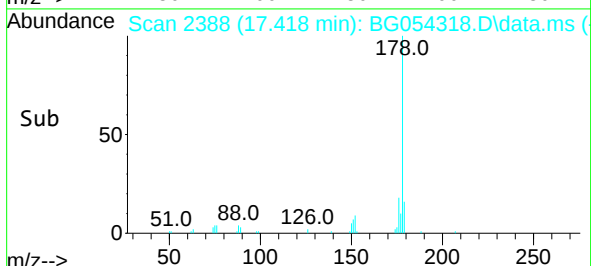
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

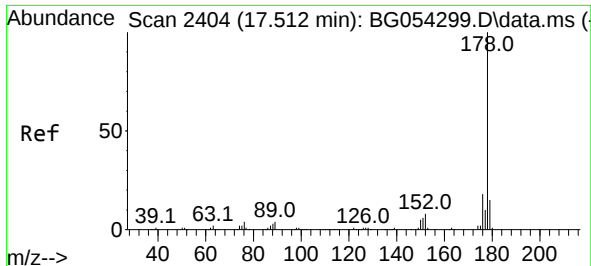


#71
Phenanthrene
Concen: 3.956 ng
RT: 17.418 min Scan# 2388
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



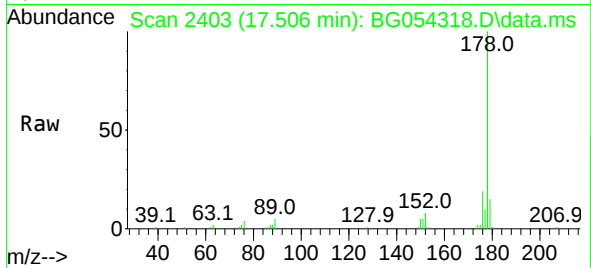
Tgt Ion:178 Resp: 24768
Ion Ratio Lower Upper
178 100
176 17.6 14.1 21.1
179 15.8 12.1 18.1





#72
 Anthracene
 Concen: 4.026 ng
 RT: 17.506 min Scan# 2403
 Delta R.T. -0.006 min
 Lab File: BG054318.D
 Acq: 19 Jul 2022 14:56

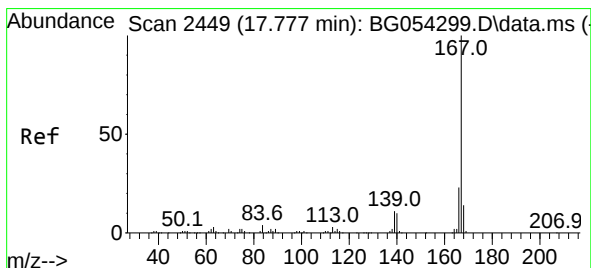
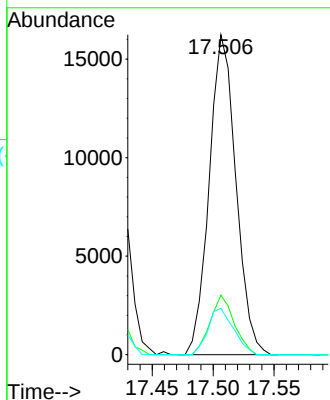
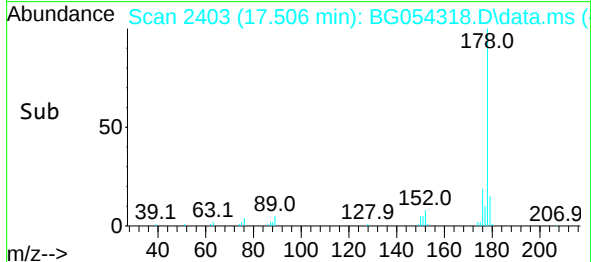
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



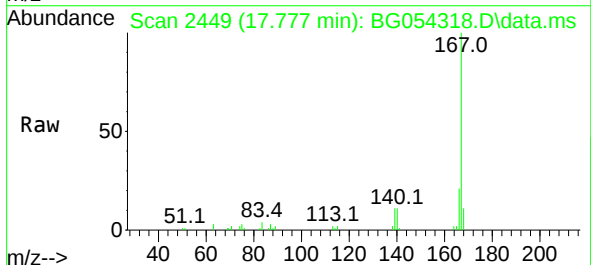
Tgt Ion:178 Resp: 24734
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.2 22.8
 179 14.5 13.0 19.4

Manual Integrations
 APPROVED

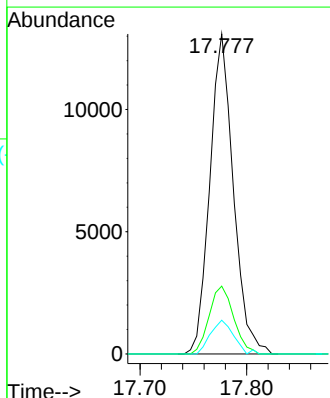
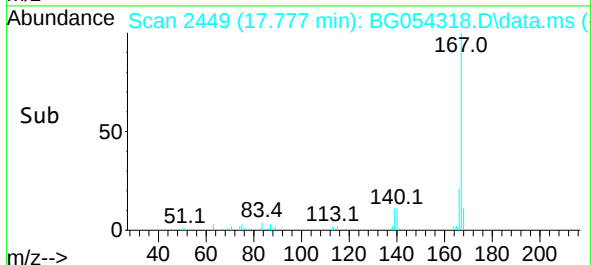
Reviewed By :Christian Giraldo 07/20/2022
 Supervised By :Jagrut Upadhyay 07/20/2022

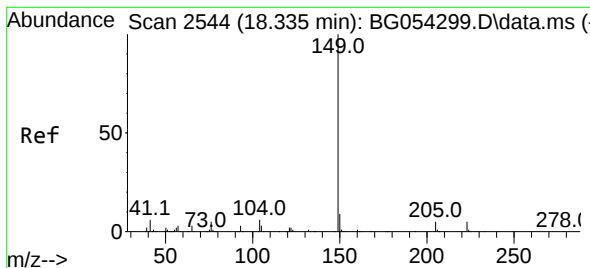


#73
 Carbazole
 Concen: 3.966 ng
 RT: 17.777 min Scan# 2449
 Delta R.T. 0.000 min
 Lab File: BG054318.D
 Acq: 19 Jul 2022 14:56



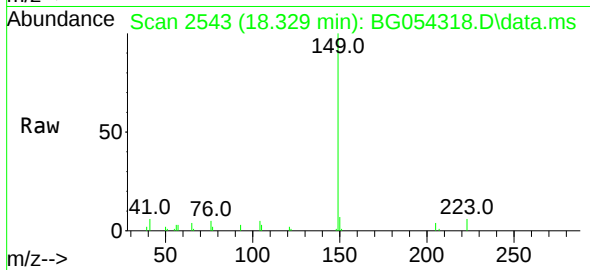
Tgt Ion:167 Resp: 20058
 Ion Ratio Lower Upper
 167 100
 166 21.2 18.2 27.2
 139 10.6 10.1 15.1





#74
Di-n-butylphthalate
Concen: 3.729 ng
RT: 18.329 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

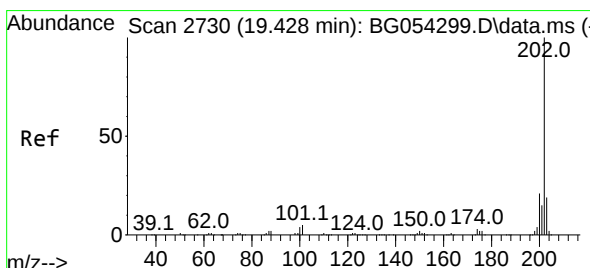
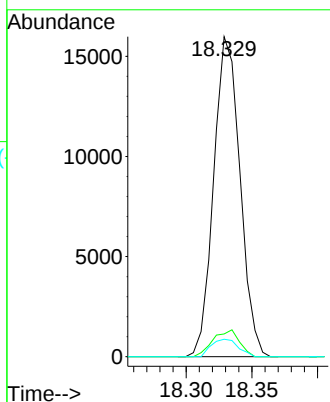
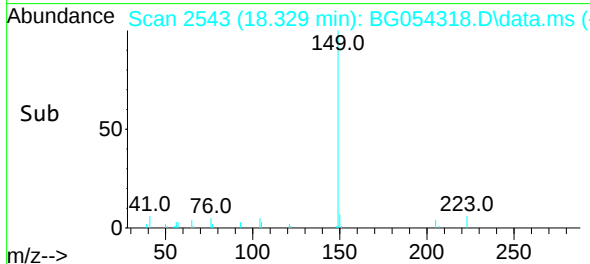
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



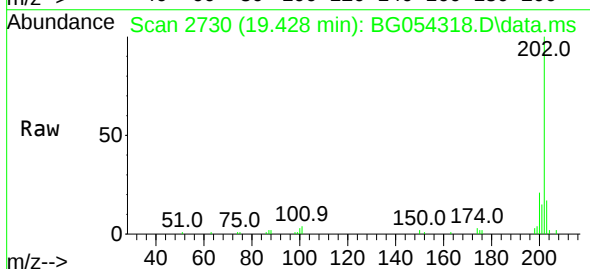
Tgt Ion:149 Resp: 2225
Ion Ratio Lower Upper
149 100
150 7.1 7.7 11.5
104 5.4 5.4 8.0

Manual Integrations
APPROVED

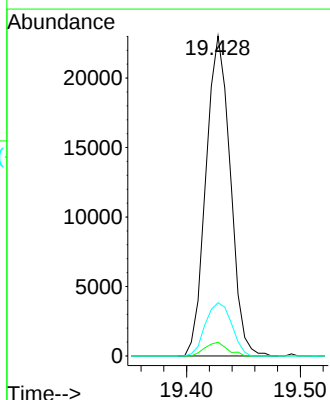
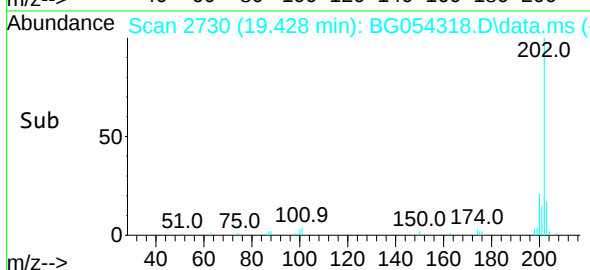
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

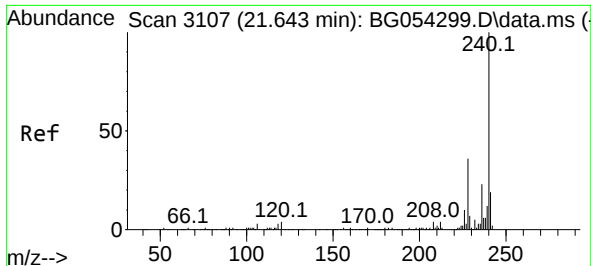


#75
Fluoranthene
Concen: 4.010 ng
RT: 19.428 min Scan# 2730
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



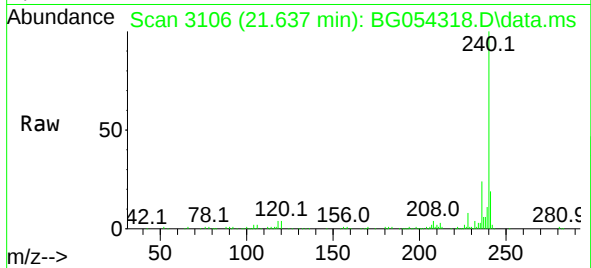
Tgt Ion:202 Resp: 34224
Ion Ratio Lower Upper
202 100
101 4.3 0.0 26.9
203 16.6 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

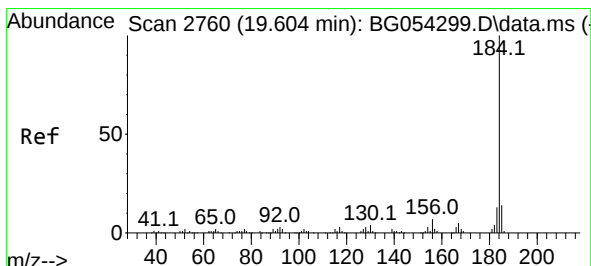
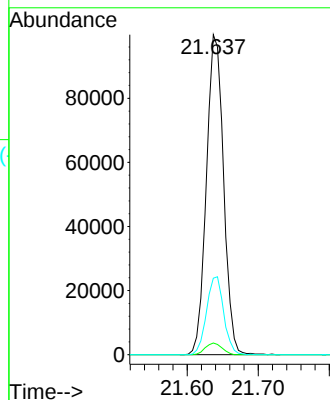
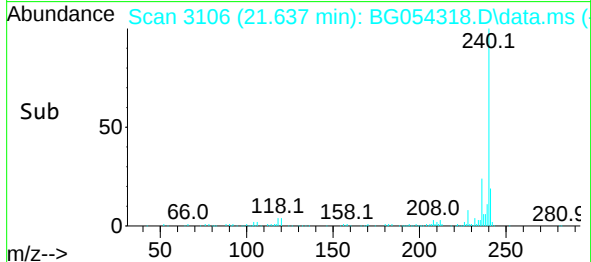
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:240 Resp: 16756
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0
236 23.9 20.2 30.4

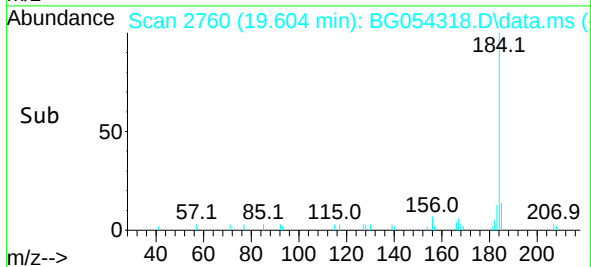
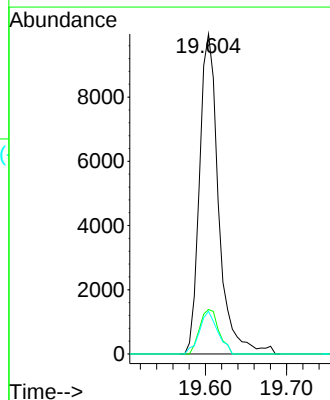
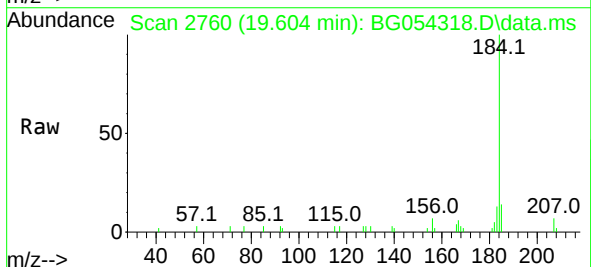
Manual Integrations
APPROVED

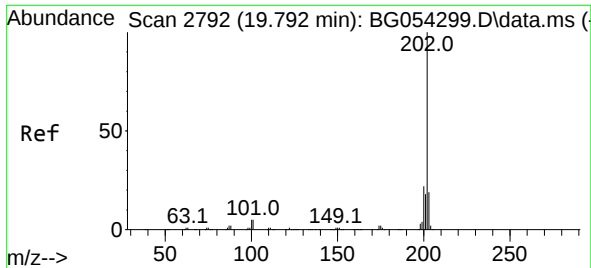
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#77
Benzidine
Concen: 5.375 ng
RT: 19.604 min Scan# 2760
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

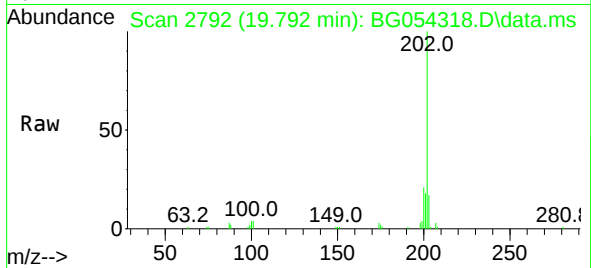
Tgt Ion:184 Resp: 16313
Ion Ratio Lower Upper
184 100
185 13.9 11.8 17.6
183 13.3 8.9 13.3#





#78
 Pyrene
 Concen: 3.679 ng
 RT: 19.792 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG054318.D
 Acq: 19 Jul 2022 14:56

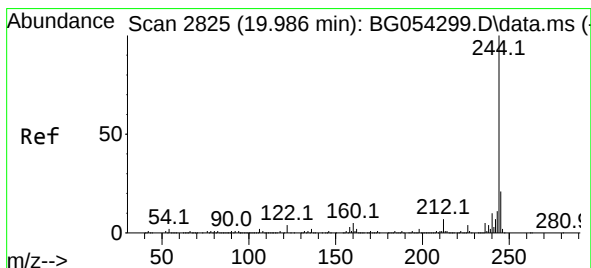
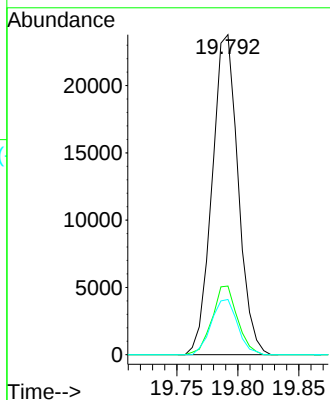
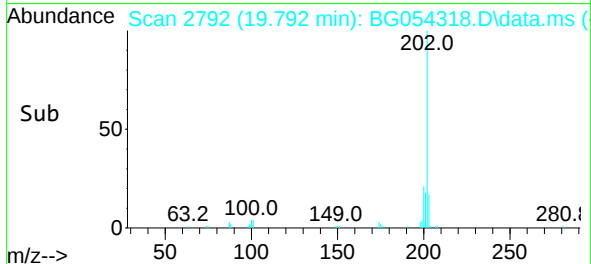
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



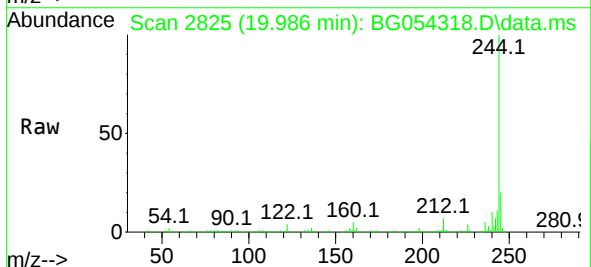
Tgt Ion:202 Resp: 3537
 Ion Ratio Lower Upper
 202 100
 200 21.5 16.6 24.8
 203 17.3 14.6 21.8

Manual Integrations
 APPROVED

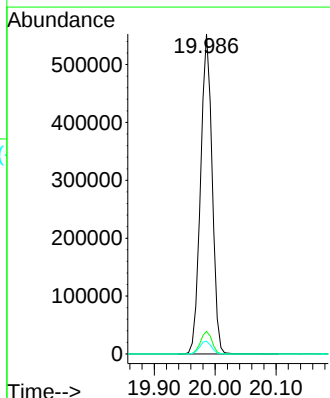
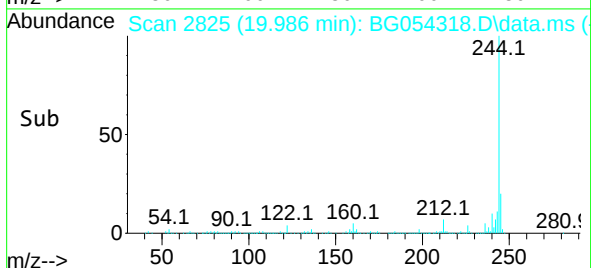
Reviewed By :Christian Giraldo 07/20/2022
 Supervised By :Jagrut Upadhyay 07/20/2022

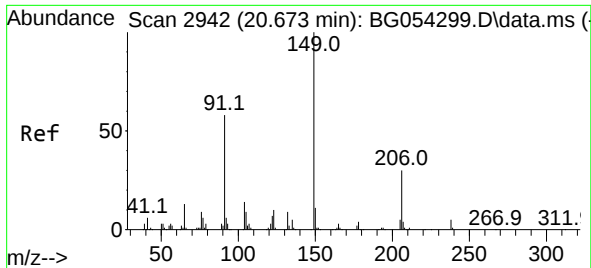


#79
 Terphenyl-d14
 Concen: 86.354 ng
 RT: 19.986 min Scan# 2825
 Delta R.T. 0.000 min
 Lab File: BG054318.D
 Acq: 19 Jul 2022 14:56



Tgt Ion:244 Resp: 729402
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.0 5.0 7.4#





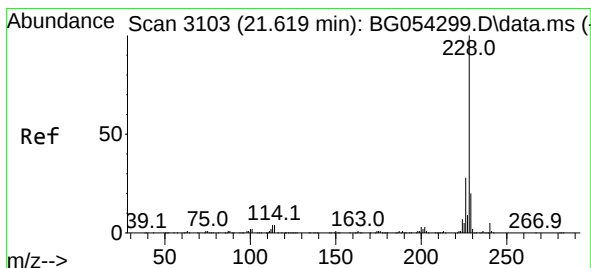
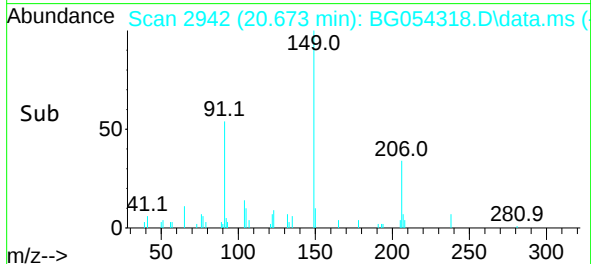
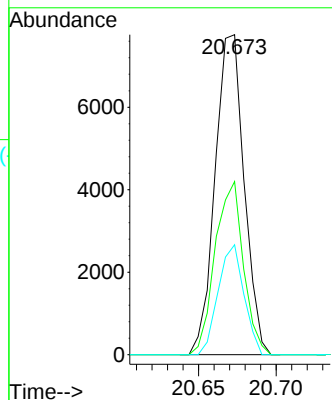
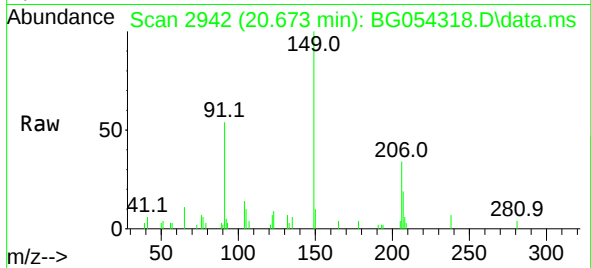
#80
Butylbenzylphthalate
Concen: 3.375 ng
RT: 20.673 min Scan# 2942
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

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

Tgt Ion:	149	Resp:	1011
Ion Ratio	Lower	Upper	
149	100		
91	54.1	59.6	89.4
206	34.4	18.6	28.0

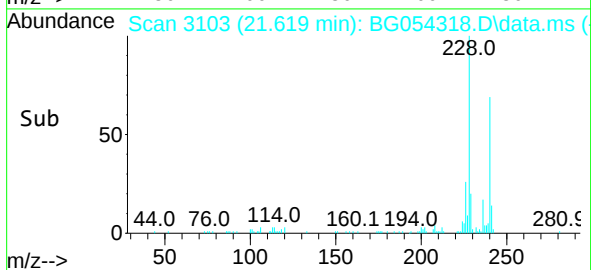
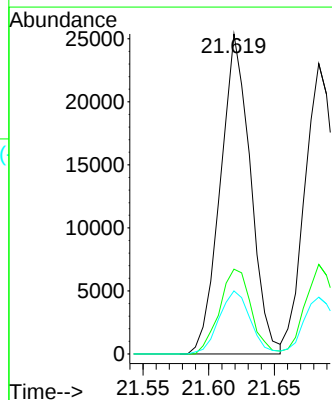
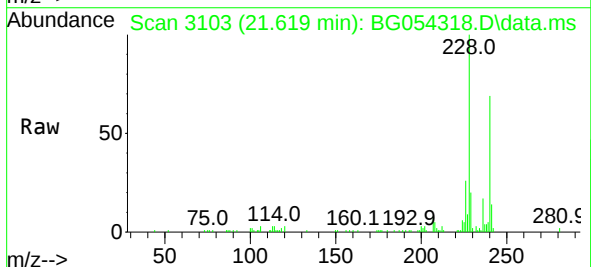
Manual Integrations
APPROVED

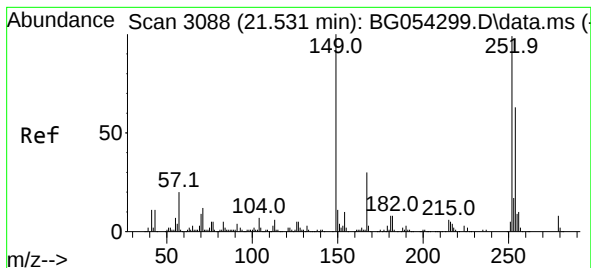
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#81
Benzo(a)anthracene
Concen: 3.800 ng
RT: 21.619 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

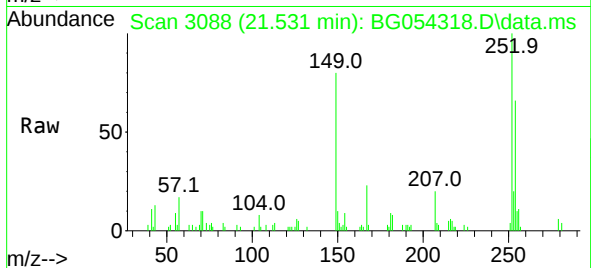
Tgt Ion:	228	Resp:	40425
Ion Ratio	Lower	Upper	
228	100		
226	26.5	21.6	32.4
229	19.7	16.2	24.2





#82
3,3'-Dichlorobenzidine
Concen: 4.610 ng
RT: 21.531 min Scan# 3088
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

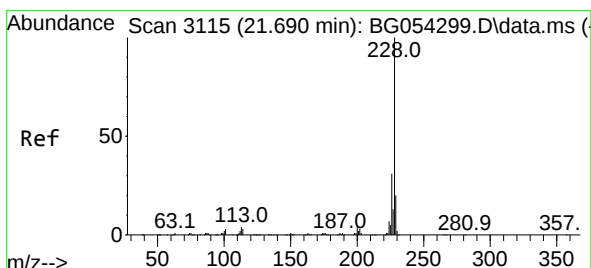
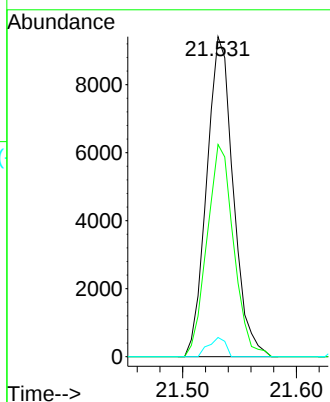
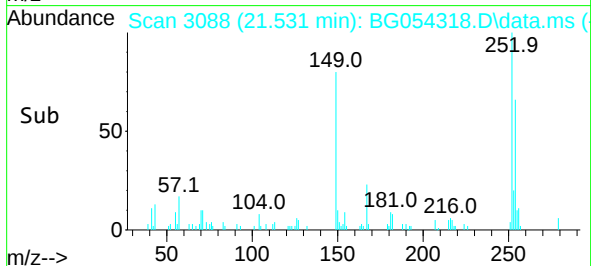
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



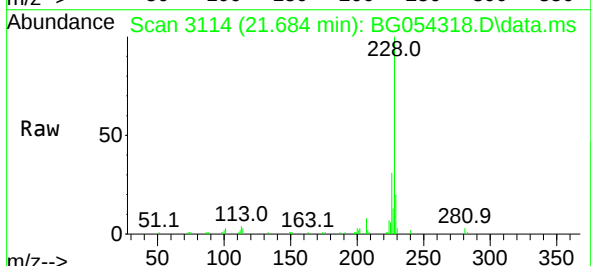
Tgt Ion:252 Resp: 15250
Ion Ratio Lower Upper
252 100
254 66.3 49.8 74.8
126 6.0 6.0 9.0

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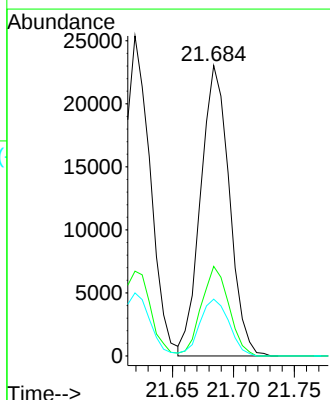
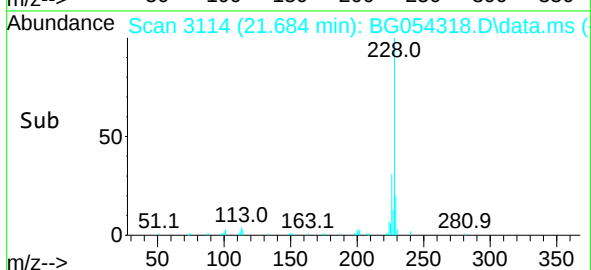
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

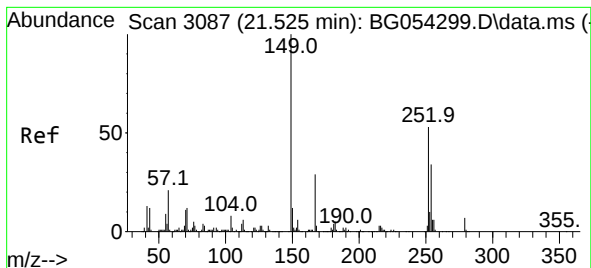


#83
Chrysene
Concen: 3.754 ng
RT: 21.684 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



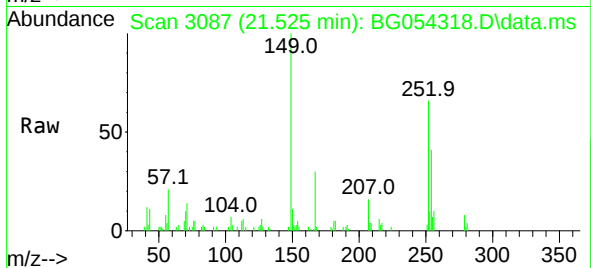
Tgt Ion:228 Resp: 37721
Ion Ratio Lower Upper
228 100
226 30.9 23.4 35.2
229 19.6 15.5 23.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.451 ng
RT: 21.525 min Scan# 3087
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

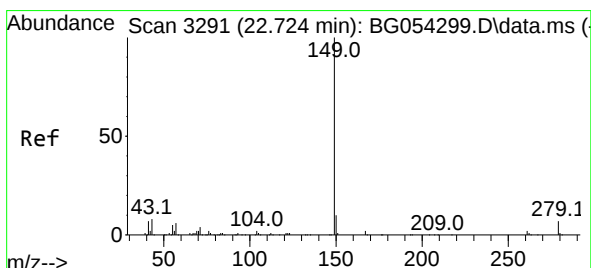
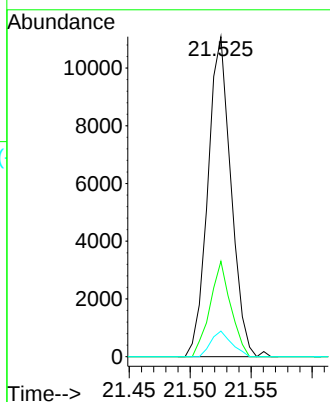
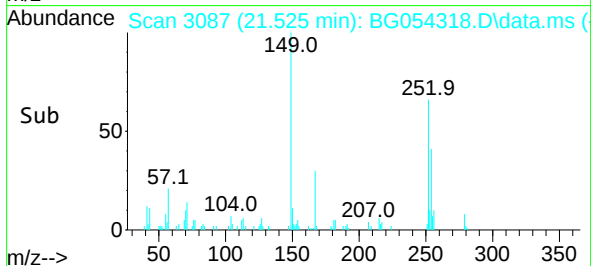
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



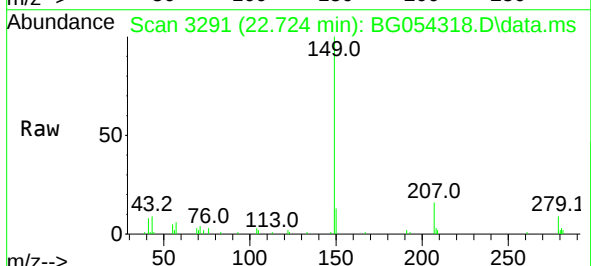
Tgt Ion:149 Resp: 14630
Ion Ratio Lower Upper
149 100
167 29.8 20.2 30.4
279 8.0 3.6 5.4

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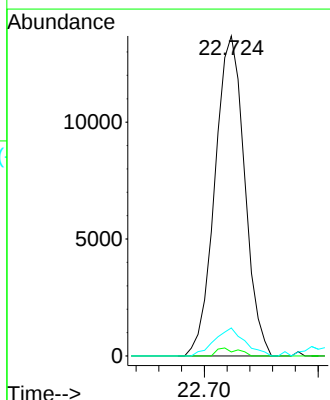
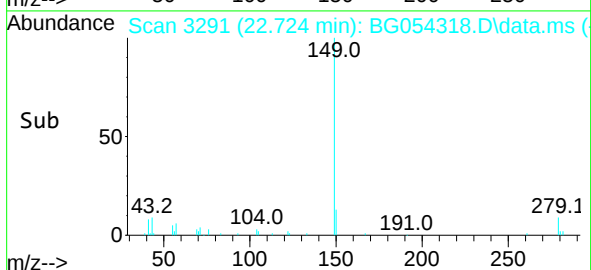
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

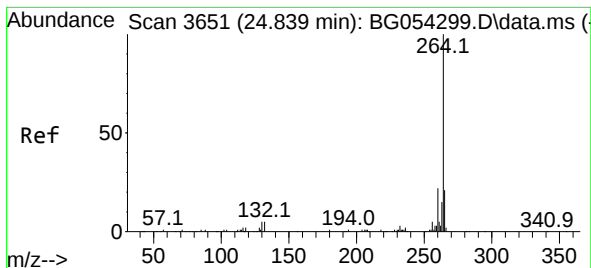


#85
Di-n-octyl phthalate
Concen: 3.422 ng
RT: 22.724 min Scan# 3291
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



Tgt Ion:149 Resp: 24754
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 8.9 9.0 13.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.839 min Scan# 3651

Delta R.T. 0.000 min

Lab File: BG054318.D

Acq: 19 Jul 2022 14:56

Instrument :

BNA_G

ClientSampleId :

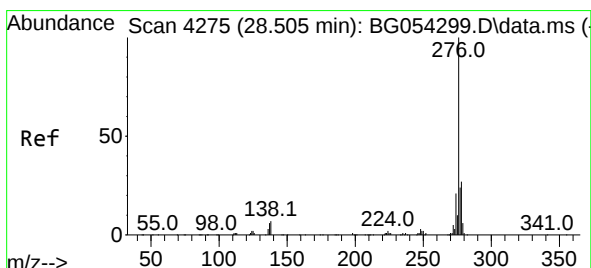
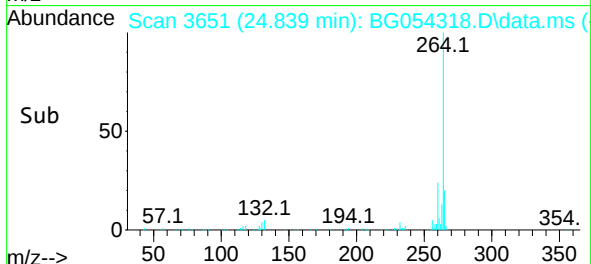
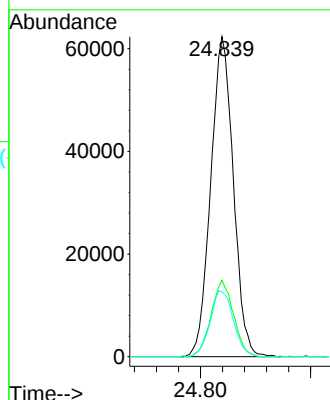
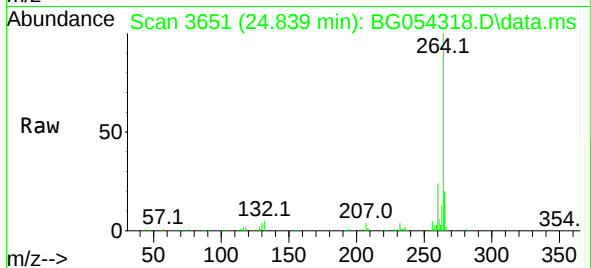
MDL-SOIL-03-QT2-2022

Tgt Ion:264 Resp: 17745
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.6
 265 20.2 17.4 26.2

Manual Integrations

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.621 ng

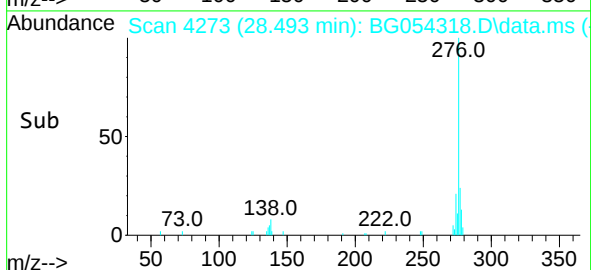
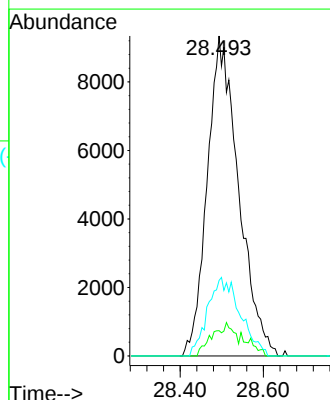
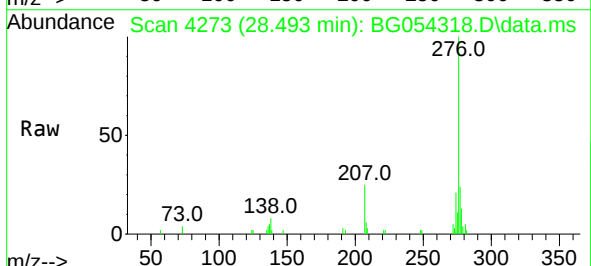
RT: 28.493 min Scan# 4273

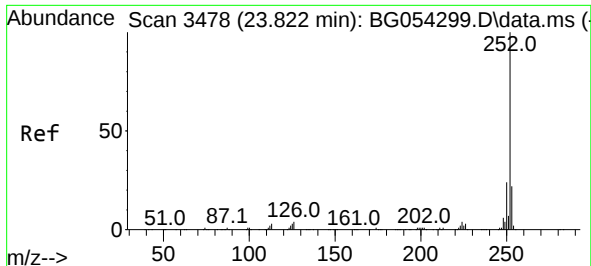
Delta R.T. -0.012 min

Lab File: BG054318.D

Acq: 19 Jul 2022 14:56

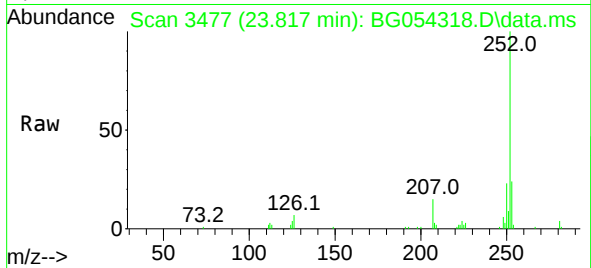
Tgt Ion:276 Resp: 48888
 Ion Ratio Lower Upper
 276 100
 138 3.7 5.0 7.4#
 277 25.4 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 3.817 ng
RT: 23.817 min Scan# 3478
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

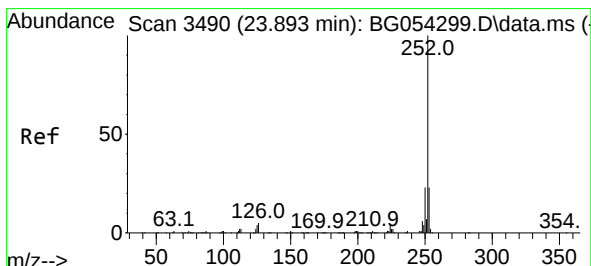
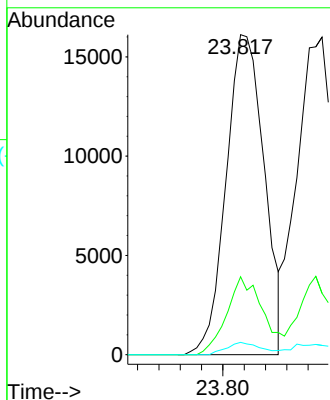
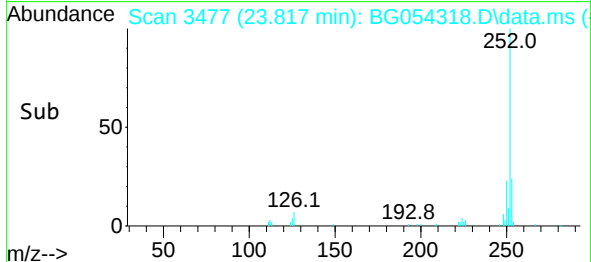
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:252 Resp: 40050
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 3.8 4.6 6.8

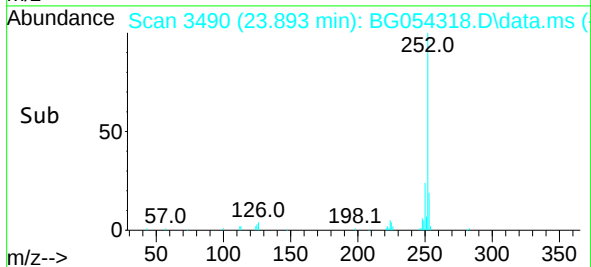
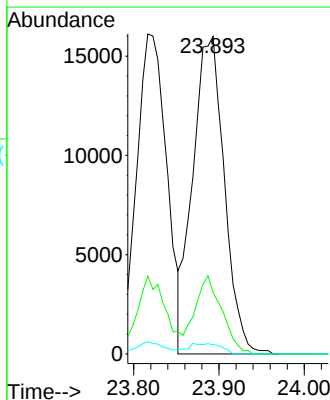
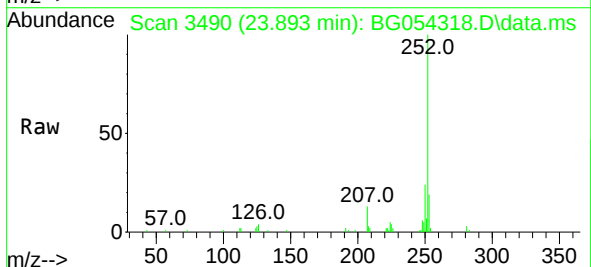
Manual Integrations
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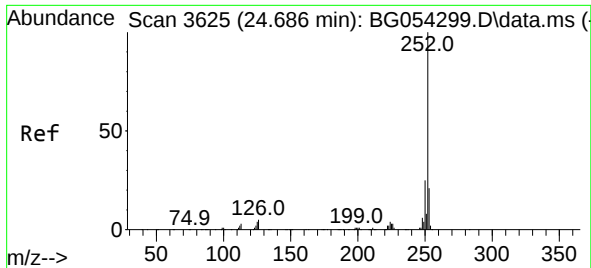
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022



#89
Benzo(k)fluoranthene
Concen: 3.940 ng
RT: 23.893 min Scan# 3490
Delta R.T. -0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

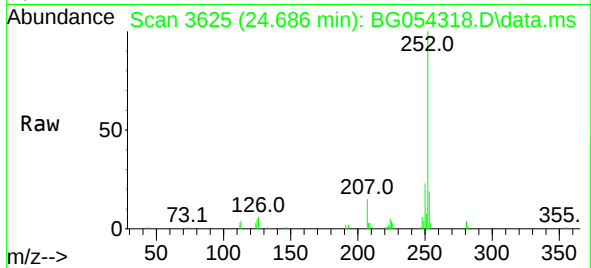
Tgt Ion:252 Resp: 41148
Ion Ratio Lower Upper
252 100
253 19.3 18.4 27.6
125 2.9 4.8 7.2





#90
Benzo(a)pyrene
Concen: 4.348 ng
RT: 24.686 min Scan# 30
Delta R.T. 0.000 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56

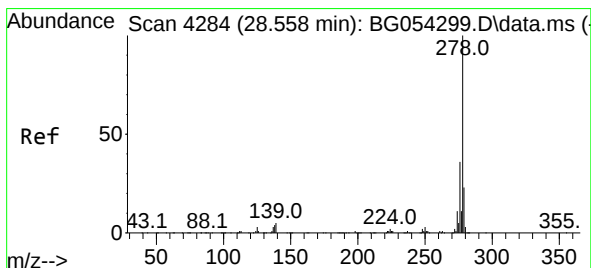
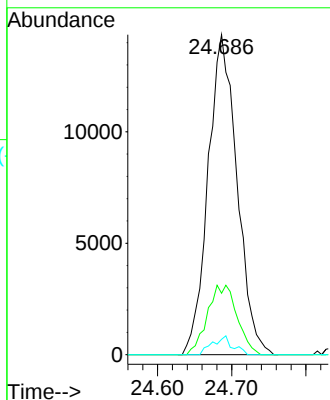
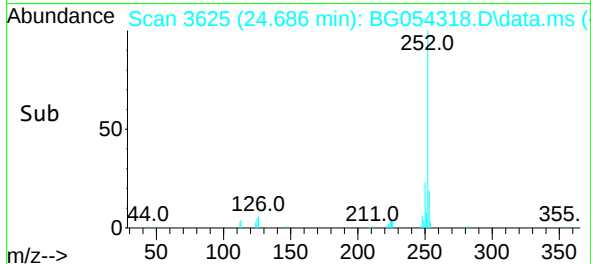
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2022



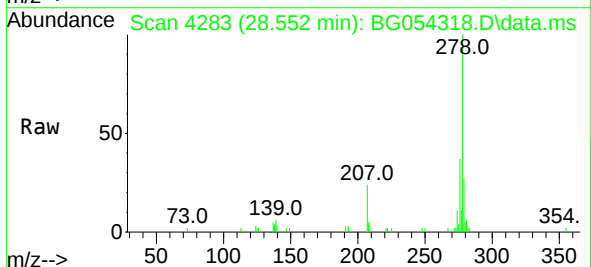
Tgt Ion:252 Resp: 3896
Ion Ratio Lower Upper
252 100
253 19.2 17.8 26.8
125 4.8 4.3 6.5

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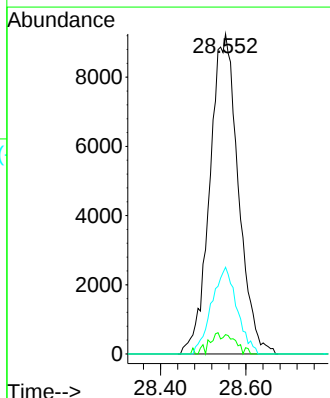
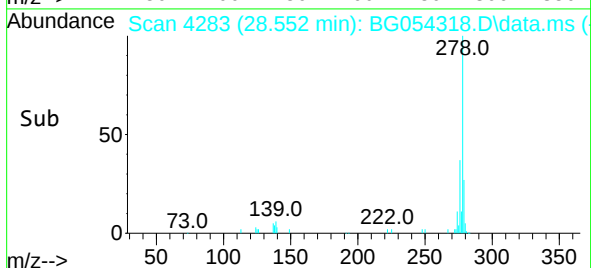
Reviewed By :Christian Giraldo 07/20/2022
Supervised By :Jagrut Upadhyay 07/20/2022

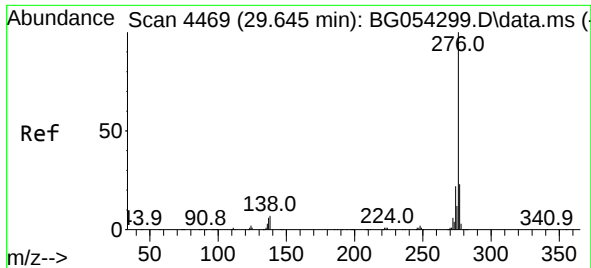


#91
Dibenzo(a,h)anthracene
Concen: 3.865 ng
RT: 28.552 min Scan# 4283
Delta R.T. -0.006 min
Lab File: BG054318.D
Acq: 19 Jul 2022 14:56



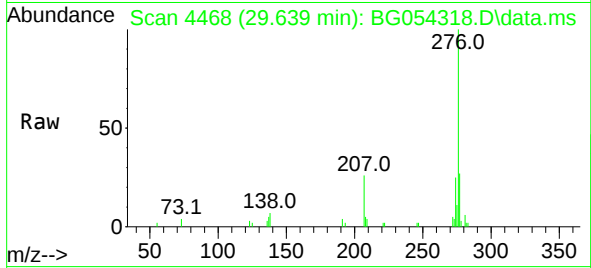
Tgt Ion:278 Resp: 42902
Ion Ratio Lower Upper
278 100
139 9.0 7.2 10.8
279 27.1 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 3.718 ng
 RT: 29.639 min Scan# 4468
 Delta R.T. -0.006 min
 Lab File: BG054318.D
 Acq: 19 Jul 2022 14:56

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



Tgt Ion:276 Resp: 40732
 Ion Ratio Lower Upper
 276 100
 277 27.4 17.3 25.9
 138 6.8 9.6 14.4

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

