

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021423\
 Data File : BM038736.D
 Acq On : 14 Feb 2023 18:48
 Operator : CG/JU
 Sample : 01542-01MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOILMS

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/15/2023
 Supervised By : Jagrut Upadhyay 02/17/2023

Quant Time: Feb 15 02:09:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 02:07:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	40555	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	143250	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	94084	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	191608	20.000	ng	0.00
76) Chrysene-d12	21.462	240	182212	20.000	ng	# 0.00
86) Perylene-d12	23.844	264	246889	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	253400	122.399	ng	0.00
7) Phenol-d6	7.075	99	292450	123.856	ng	0.00
23) Nitrobenzene-d5	9.075	82	173599	68.834	ng	0.00
42) 2,4,6-Tribromophenol	16.033	330	150382	117.595	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	486879	65.882	ng	0.00
79) Terphenyl-d14	19.903	244	647751	62.733	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.310	88	37669	41.272	ng	96
3) Pyridine	3.728	79	92971	42.838	ng	96
4) n-Nitrosodimethylamine	3.640	42	43868	44.774	ng	# 90
6) Aniline	7.234	93	61261	20.799	ng	95
8) 2-Chlorophenol	7.463	128	118821	52.598	ng	93
9) Benzaldehyde	7.040	77	52007	49.972	ng	96
10) Phenol	7.104	94	126133	52.876	ng	91
11) bis(2-Chloroethyl)ether	7.328	93	96792	50.104	ng	97
12) 1,3-Dichlorobenzene	7.787	146	149405	51.763	ng	97
13) 1,4-Dichlorobenzene	7.934	146	151626	52.052	ng	99
14) 1,2-Dichlorobenzene	8.251	146	146332	52.437	ng	98
15) Benzyl Alcohol	8.151	79	82590m	47.522	ng	
16) 2,2'-oxybis(1-Chloropr...	8.422	45	83663	45.722	ng	99
17) 2-Methylphenol	8.357	107	89165	48.732	ng	94
18) Hexachloroethane	8.975	117	49915	53.060	ng	91
19) n-Nitroso-di-n-propyla...	8.716	70	68032	47.800	ng	95
20) 3+4-Methylphenols	8.687	107	119589	49.022	ng	96
22) Acetophenone	8.734	105	156147	45.708	ng	# 98
24) Nitrobenzene	9.116	77	112357	43.893	ng	93
25) Isophorone	9.639	82	190760	43.178	ng	99
26) 2-Nitrophenol	9.828	139	70433	49.447	ng	99
27) 2,4-Dimethylphenol	9.892	122	103360	50.293	ng	95
28) bis(2-Chloroethoxy)met...	10.128	93	123565	45.765	ng	99
29) 2,4-Dichlorophenol	10.363	162	133970	45.883	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	136672	44.005	ng	98
31) Naphthalene	10.757	128	353699	48.116	ng	99
32) Benzoic acid	10.039	122	76403	45.925	ng	90
33) 4-Chloroaniline	10.886	127	22668	7.036	ng	# 89
34) Hexachlorobutadiene	11.028	225	67592	43.444	ng	98
35) Caprolactam	11.680	113	29491m	46.899	ng	
36) 4-Chloro-3-methylphenol	12.010	107	97788	45.293	ng	95
37) 2-Methylnaphthalene	12.369	142	265000	44.610	ng	98
38) 1-Methylnaphthalene	12.586	142	249550	44.582	ng	98
40) 1,2,4,5-Tetrachloroben...	12.733	216	113861	46.501	ng	# 98
41) Hexachlorocyclopentadiene	12.704	237	148721	97.880	ng	96
43) 2,4,6-Trichlorophenol	12.980	196	90351	46.969	ng	95

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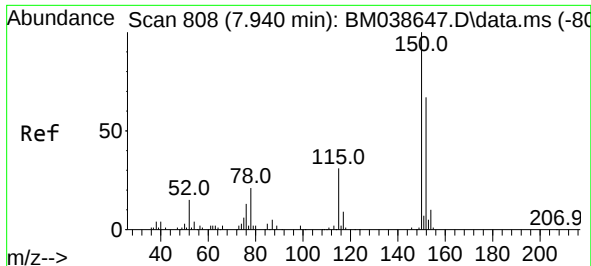
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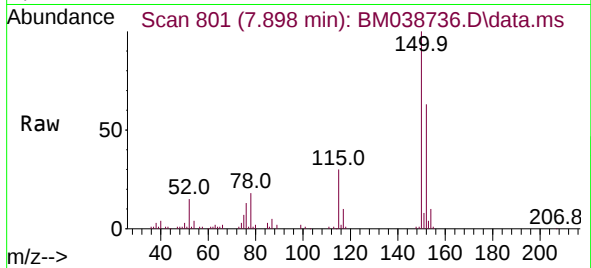
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.057	196	98350	43.447	ng	96
46) 1,1'-Biphenyl	13.380	154	369077	49.522	ng	100
47) 2-Chloronaphthalene	13.422	162	290891	49.602	ng	98
48) 2-Nitroaniline	13.639	65	58758	44.558	ng	94
49) Acenaphthylene	14.263	152	460623	49.867	ng	99
50) Dimethylphthalate	14.004	163	356872	46.481	ng	100
51) 2,6-Dinitrotoluene	14.133	165	76440	48.985	ng	96
52) Acenaphthene	14.604	154	268814	48.739	ng	99
53) 3-Nitroaniline	14.469	138	28479	18.475	ng	86
54) 2,4-Dinitrophenol	14.674	184	97445	95.937	ng	93
55) Dibenzofuran	14.939	168	438139	46.131	ng	98
56) 4-Nitrophenol	14.780	139	137930	110.209	ng	93
57) 2,4-Dinitrotoluene	14.921	165	107893	46.896	ng	98
58) Fluorene	15.586	166	361224	48.067	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.168	232	75231	47.751	ng	97
60) Diethylphthalate	15.363	149	353793	48.641	ng	98
61) 4-Chlorophenyl-phenyle...	15.580	204	145840	45.745	ng	99
62) 4-Nitroaniline	15.627	138	76452m	45.693	ng	
63) Azobenzene	15.874	77	293535	52.454	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	55127	45.703	ng	96
66) n-Nitrosodiphenylamine	15.798	169	301317	48.162	ng	98
67) 4-Bromophenyl-phenylether	16.474	248	88098	47.618	ng	97
68) Hexachlorobenzene	16.586	284	115790	51.210	ng	96
69) Atrazine	16.751	200	96112	53.004	ng	98
70) Pentachlorophenol	16.939	266	147067	89.226	ng	98
71) Phenanthrene	17.327	178	555782	48.851	ng	99
72) Anthracene	17.415	178	572005	49.146	ng	100
73) Carbazole	17.698	167	553691	51.009	ng	98
74) Di-n-butylphthalate	18.245	149	667290	54.412	ng	100
75) Fluoranthene	19.339	202	605623	50.699	ng	98
77) Benzidine	19.533	184	359898	64.592	ng	98
78) Pyrene	19.703	202	646840	46.109	ng	100
80) Butylbenzylphthalate	20.598	149	333022	47.697	ng	99
81) Benzo(a)anthracene	21.445	228	640635	49.704	ng	99
82) 3,3'-Dichlorobenzidine	21.386	252	113366	25.566	ng	96
83) Chrysene	21.503	228	602727	48.534	ng	100
84) Bis(2-ethylhexyl)phtha...	21.362	149	492833	48.480	ng	98
85) Di-n-octyl phthalate	22.280	149	885434	53.621	ng	100
87) Indeno(1,2,3-cd)pyrene	26.321	276	974112	50.092	ng	98
88) Benzo(b)fluoranthene	23.115	252	747717	50.564	ng	98
89) Benzo(k)fluoranthene	23.168	252	759992	50.611	ng	99
90) Benzo(a)pyrene	23.738	252	682192	46.650	ng	97
91) Dibenzo(a,h)anthracene	26.332	278	825157	50.434	ng	98
92) Benzo(g,h,i)perylene	27.085	276	790591	47.803	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

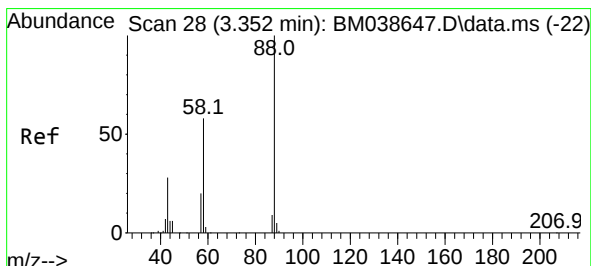
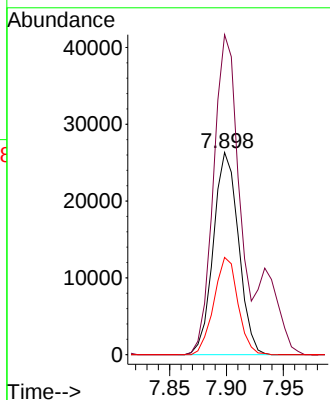
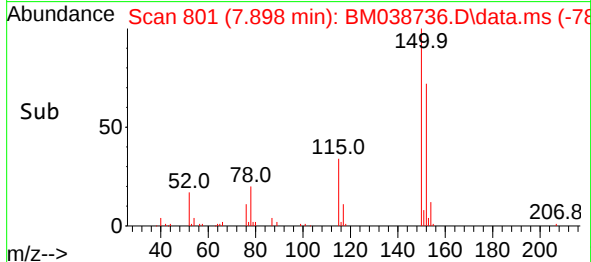
Instrument :
BNA_M
ClientSampleId :
SOILMS



Tgt Ion:152 Resp: 4055
Ion Ratio Lower Upper
152 100
150 158.3 119.5 179.3
115 48.1 37.6 56.4

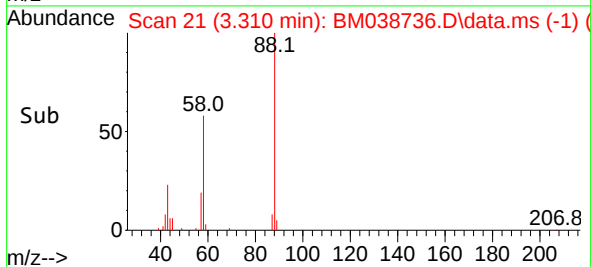
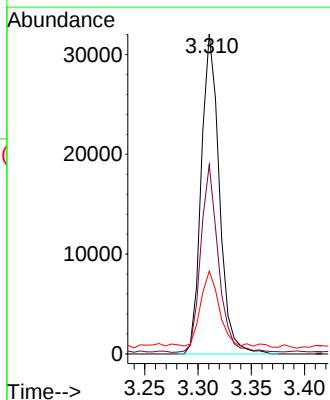
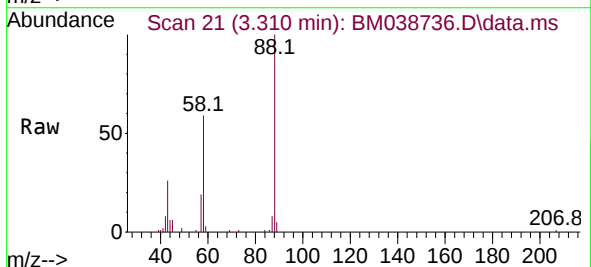
Manual Integrations
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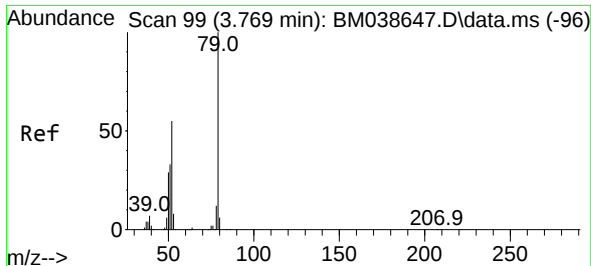
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#2
1,4-Dioxane
Concen: 41.272 ng
RT: 3.310 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

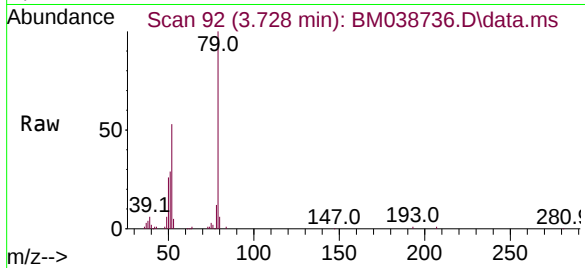
Tgt Ion: 88 Resp: 37669
Ion Ratio Lower Upper
88 100
58 57.3 47.0 70.4
43 24.3 22.6 33.8





#3
 Pyridine
 Concen: 42.838 ng
 RT: 3.728 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: BM038736.D
 Acq: 14 Feb 2023 18:48

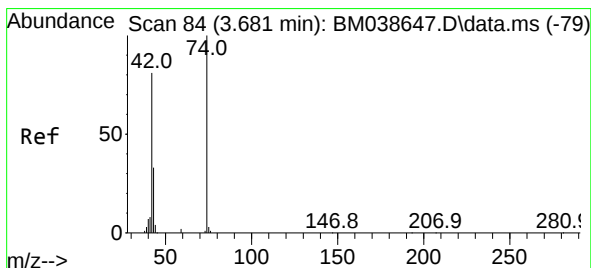
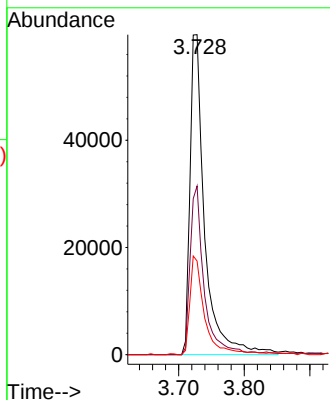
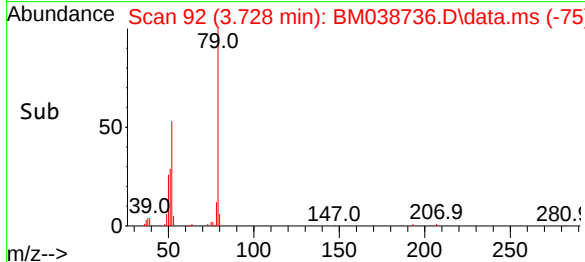
Instrument :
 BNA_M
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 SOILMS



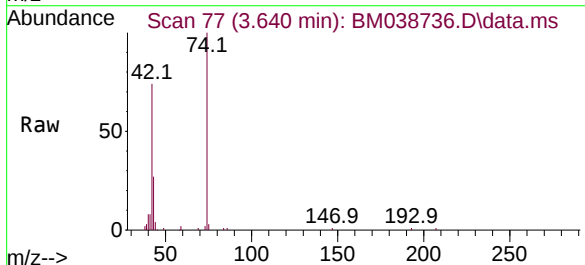
Tgt Ion: 79 Resp: 9297
 Ion Ratio Lower Upper
 79 100
 52 52.7 43.7 65.5
 51 29.2 26.6 40.0

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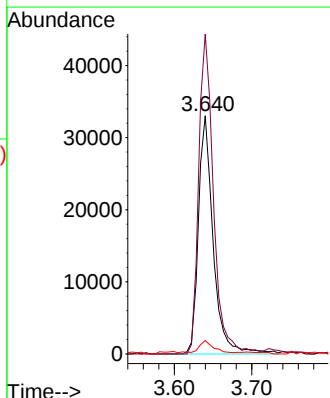
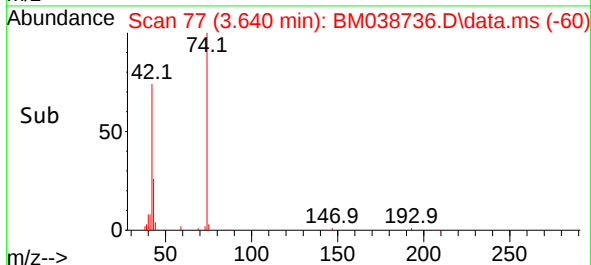
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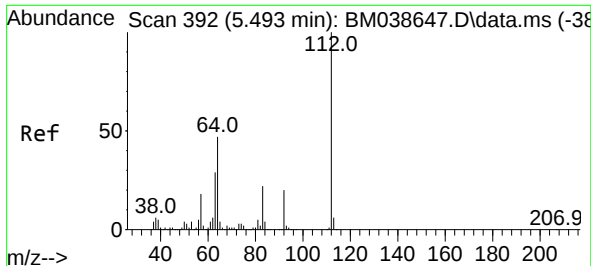


#4
 n-Nitrosodimethylamine
 Concen: 44.774 ng
 RT: 3.640 min Scan# 77
 Delta R.T. 0.000 min
 Lab File: BM038736.D
 Acq: 14 Feb 2023 18:48



Tgt Ion: 42 Resp: 43868
 Ion Ratio Lower Upper
 42 100
 74 134.4 98.4 147.6
 44 5.6 3.5 5.3





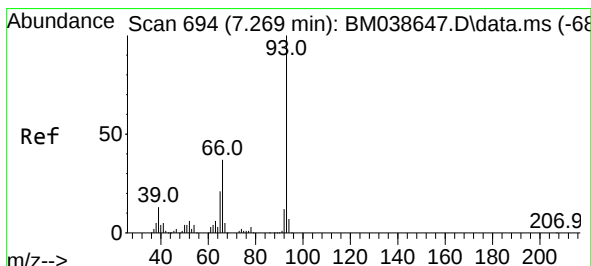
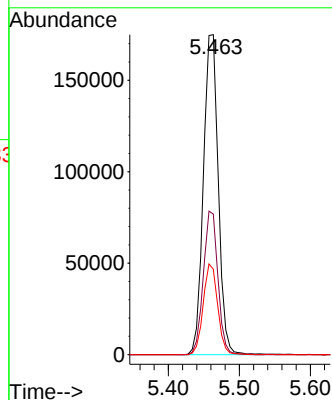
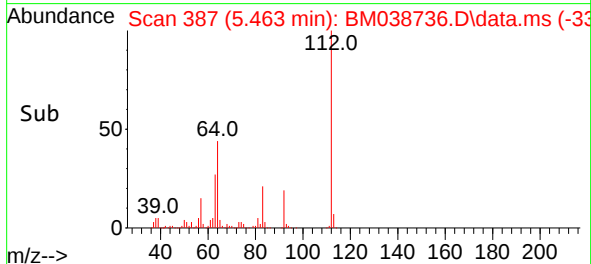
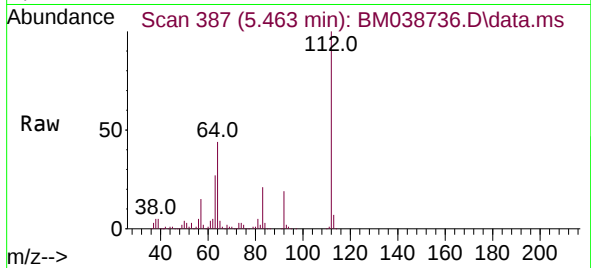
#5
2-Fluorophenol
Concen: 122.399 ng
RT: 5.463 min Scan# 387
Delta R.T. 0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Instrument :
BNA_M
Client SampleId :
SOILMS

Tgt Ion:112 Resp: 253400
Ion Ratio Lower Upper
112 100
64 43.9 37.9 56.9
63 26.7 23.3 34.9

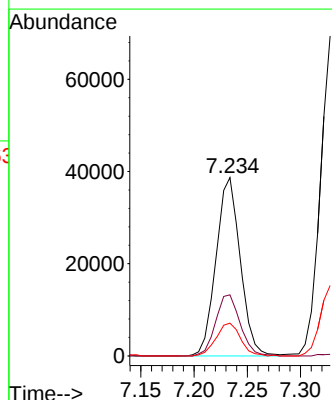
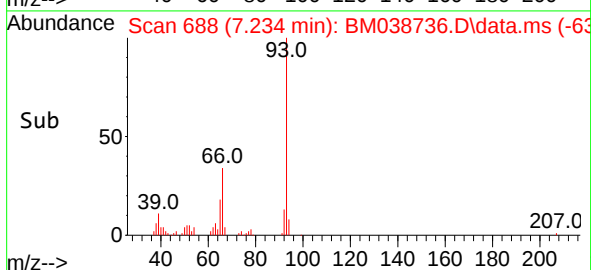
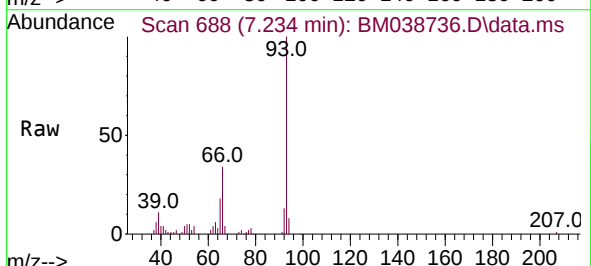
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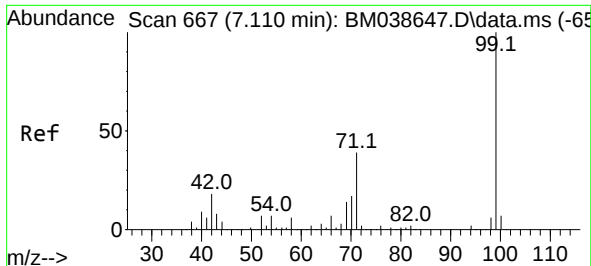
Reviewed By :Christian Giraldo 02/15/2023
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#6
Aniline
Concen: 20.799 ng
RT: 7.234 min Scan# 688
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

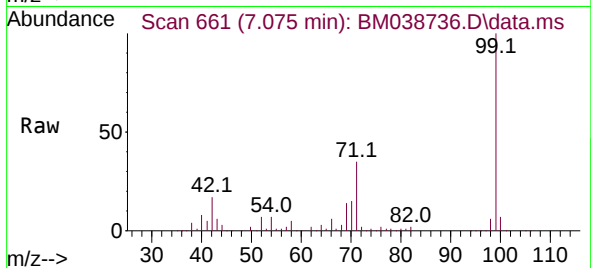
Tgt Ion: 93 Resp: 61261
Ion Ratio Lower Upper
93 100
66 34.2 29.8 44.8
65 18.4 16.9 25.3





#7
Phenol-d6
Concen: 123.856 ng
RT: 7.075 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

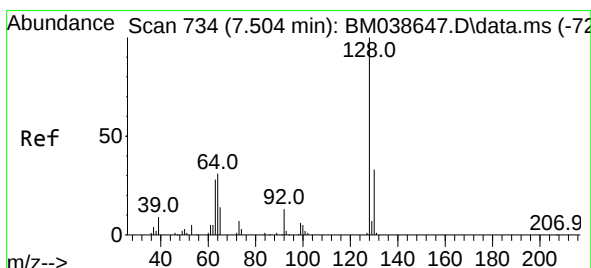
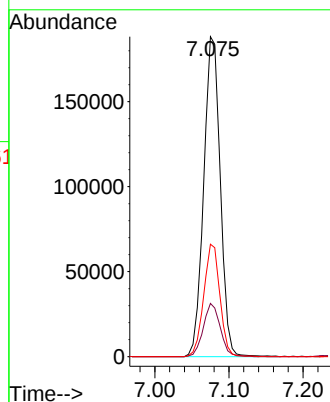
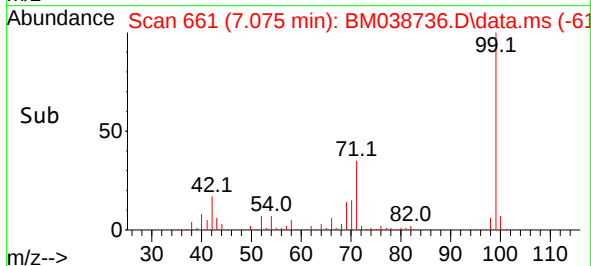
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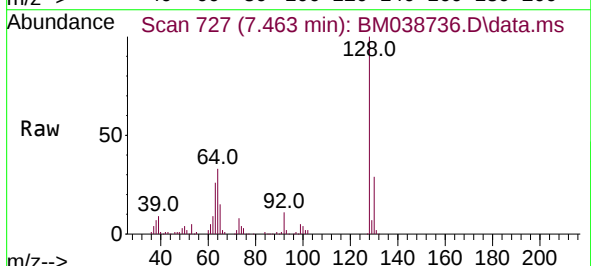
Tgt Ion: 99 Resp: 292450
Ion Ratio Lower Upper
99 100
42 16.6 14.6 22.0
71 35.1 31.0 46.4

Manual Integrations
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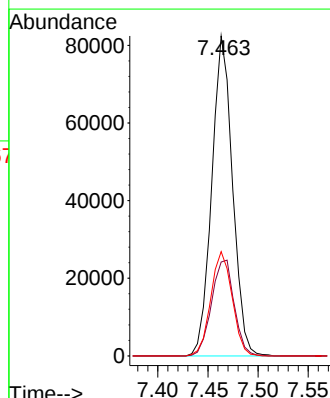
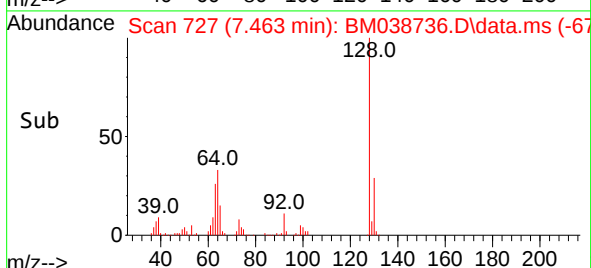
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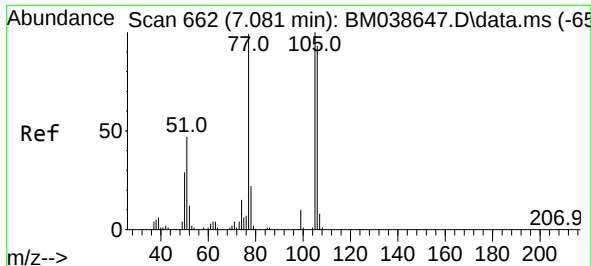


#8
2-Chlorophenol
Concen: 52.598 ng
RT: 7.463 min Scan# 727
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48



Tgt Ion:128 Resp: 118821
Ion Ratio Lower Upper
128 100
130 29.3 13.2 53.2
64 32.6 17.3 57.3





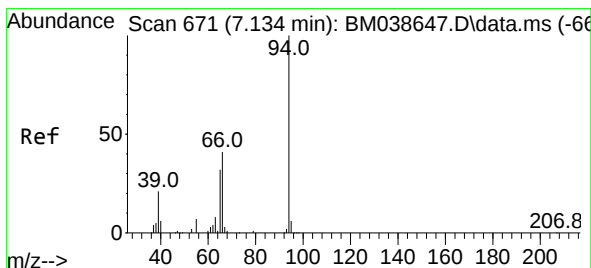
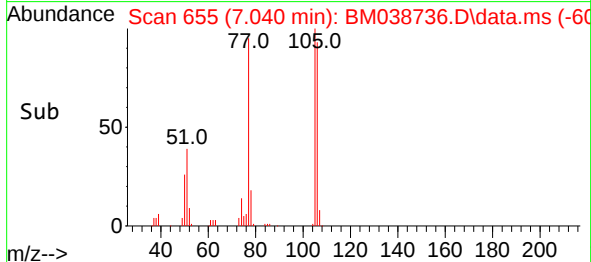
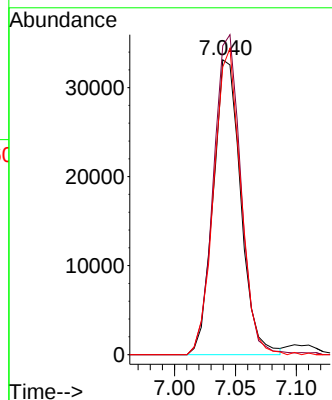
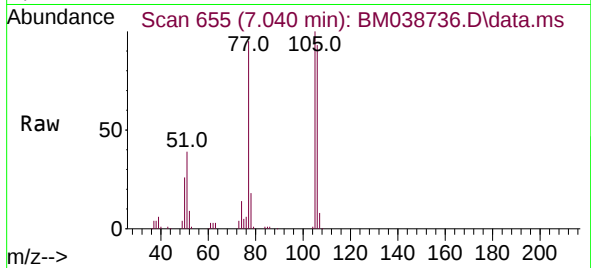
#9
Benzaldehyde
Concen: 49.972 ng
RT: 7.040 min Scan# 611
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Instrument :
BNA_M
Client Sample Id :
SOILMS

Tgt Ion: 77 Resp: 5200
Ion Ratio Lower Upper
77 100
105 104.7 80.8 120.8
106 97.5 73.8 113.8

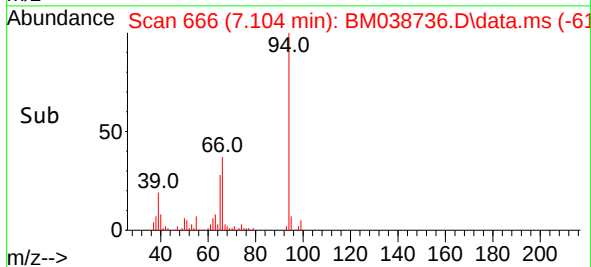
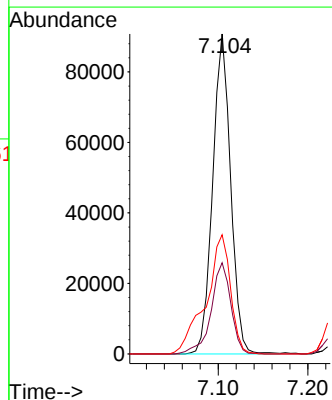
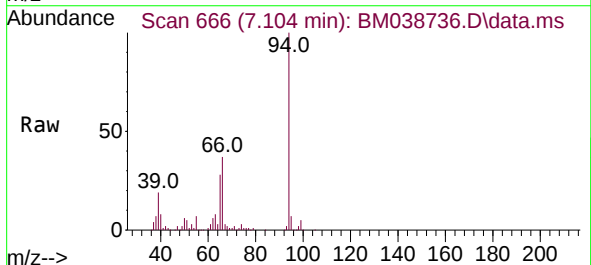
Manual Integrations
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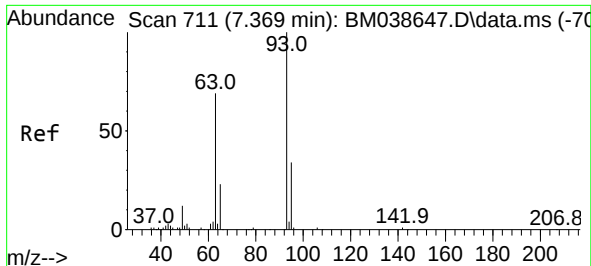
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#10
Phenol
Concen: 52.876 ng
RT: 7.104 min Scan# 666
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

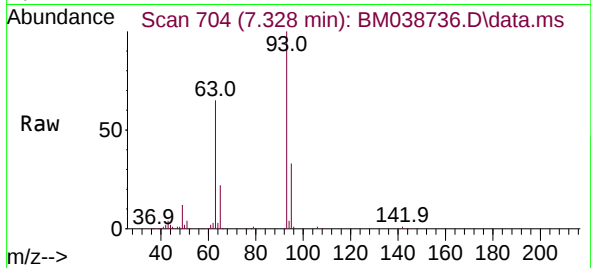
Tgt Ion: 94 Resp: 126133
Ion Ratio Lower Upper
94 100
65 28.5 12.3 52.3
66 37.2 24.2 64.2





#11
bis(2-Chloroethyl)ether
Concen: 50.104 ng
RT: 7.328 min Scan# 704
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

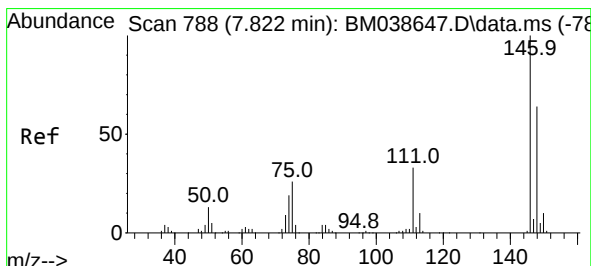
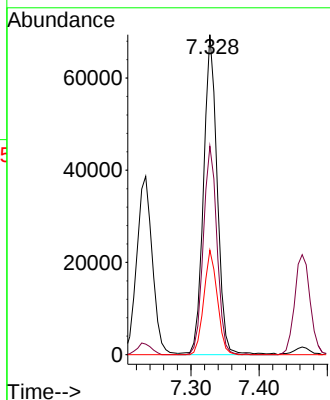
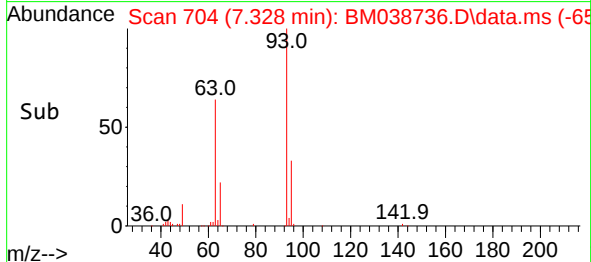
Instrument :
BNA_M
ClientSampleId :
SOILMS



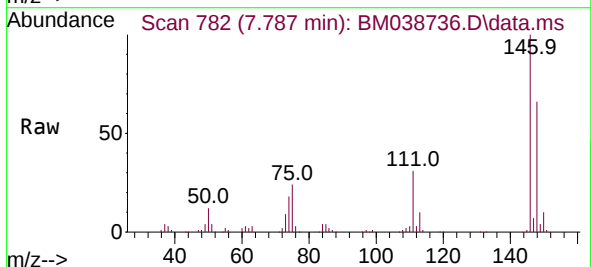
Tgt Ion: 93 Resp: 96792
Ion Ratio Lower Upper
93 100
63 65.1 48.5 88.5
95 32.7 13.8 53.8

Manual Integrations
APPROVED

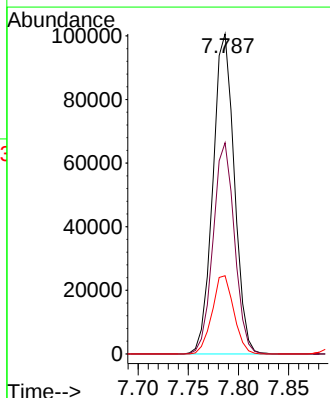
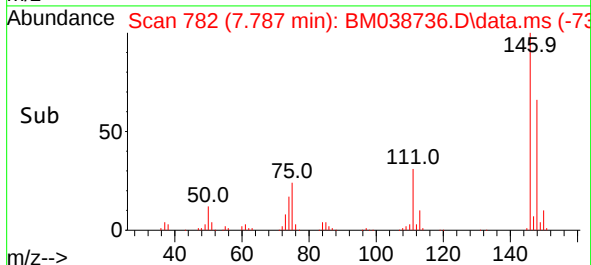
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

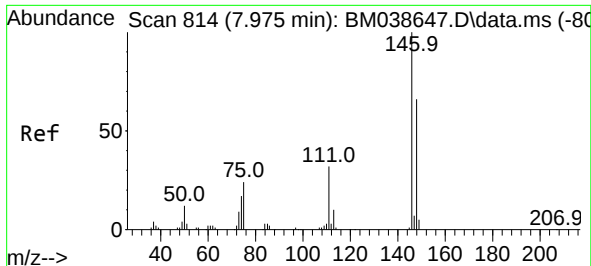


#12
1,3-Dichlorobenzene
Concen: 51.763 ng
RT: 7.787 min Scan# 782
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48



Tgt Ion:146 Resp: 149405
Ion Ratio Lower Upper
146 100
148 66.0 51.5 77.3
75 24.4 21.1 31.7





#13

1,4-Dichlorobenzene

Concen: 52.052 ng

RT: 7.934 min Scan# 80

Delta R.T. -0.006 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

Tgt Ion:146 Resp: 151626

Ion Ratio Lower Upper

146 100

148 65.9 53.1 79.7

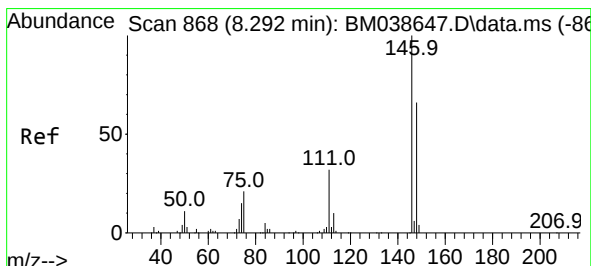
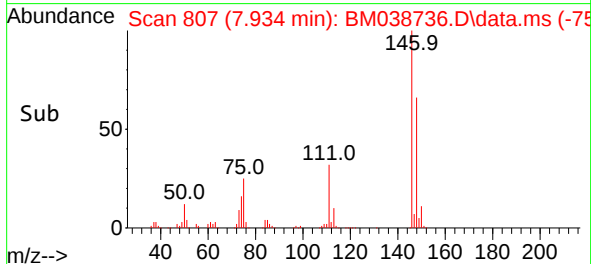
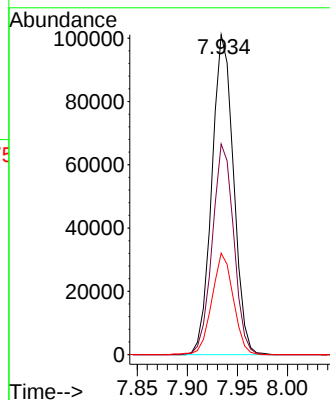
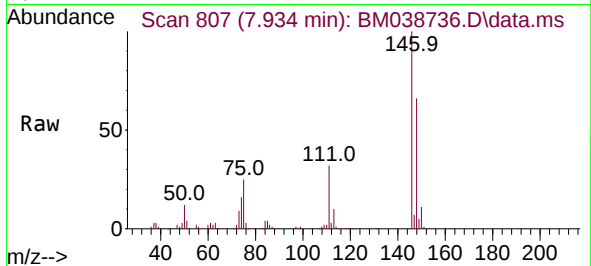
111 31.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/15/2023

Supervised By :Jagrut Upadhyay 02/17/2023



#14

1,2-Dichlorobenzene

Concen: 52.437 ng

RT: 8.251 min Scan# 861

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

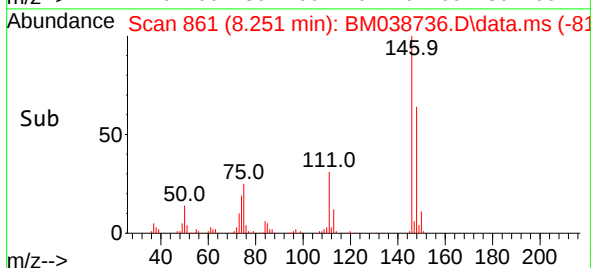
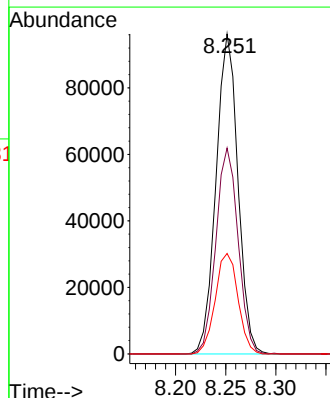
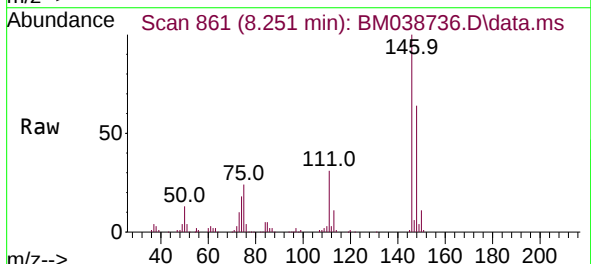
Tgt Ion:146 Resp: 146332

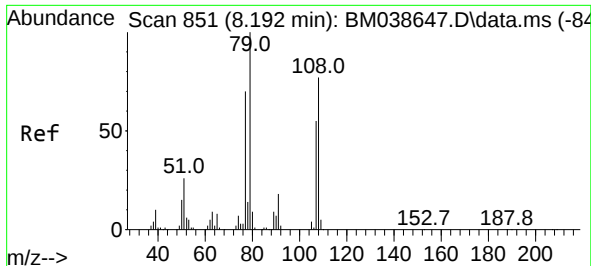
Ion Ratio Lower Upper

146 100

148 64.3 52.9 79.3

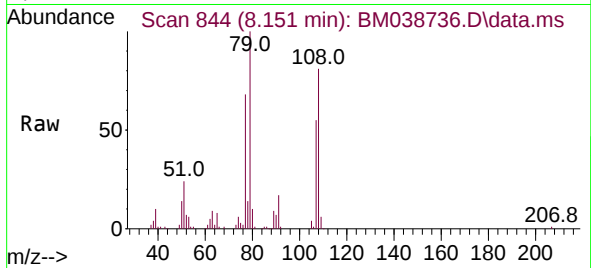
111 31.4 26.2 39.2





#15
Benzyl Alcohol
Concen: 47.522 ng m
RT: 8.151 min Scan# 84
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

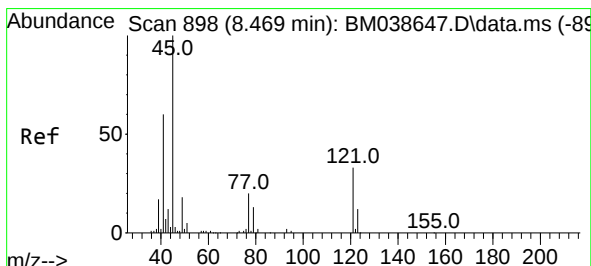
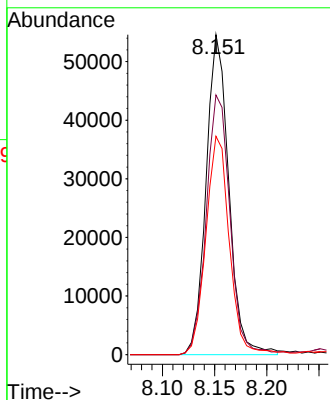
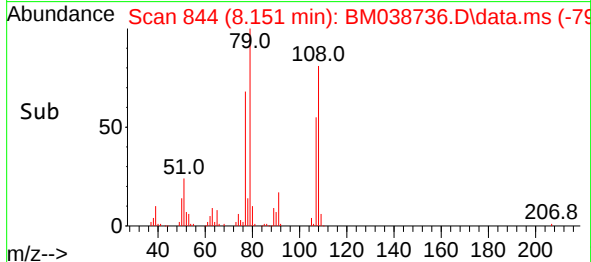
Instrument :
BNA_M
ClientSampleId :
SOILMS



Tgt Ion: 79 Resp: 82590
Ion Ratio Lower Upper
79 100
108 81.1 61.9 92.9
77 68.2 55.8 83.8

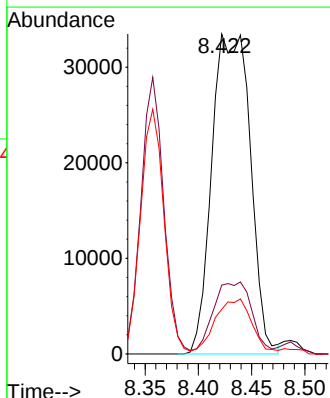
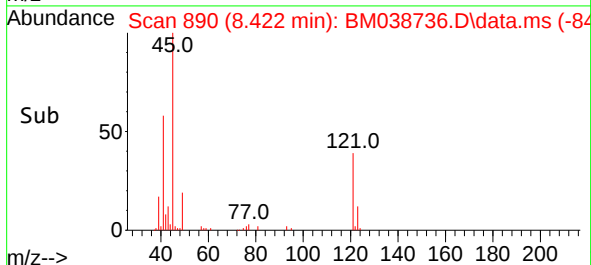
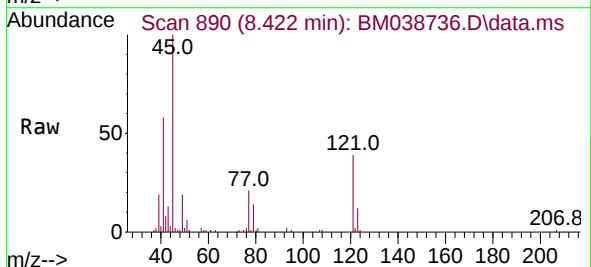
Manual Integrations
APPROVED

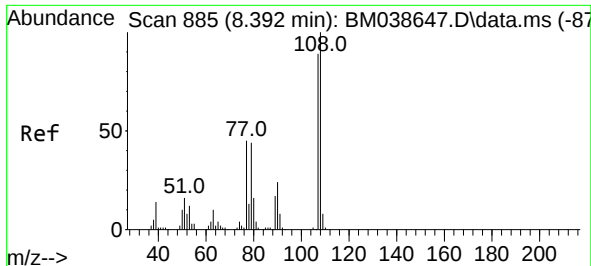
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.722 ng
RT: 8.422 min Scan# 890
Delta R.T. -0.012 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

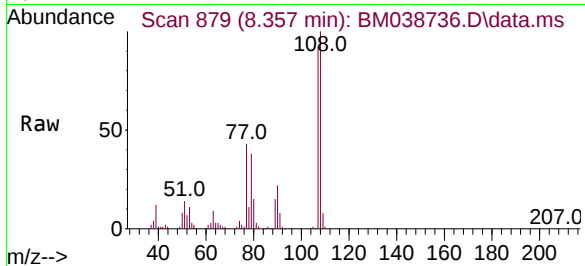
Tgt Ion: 45 Resp: 83663
Ion Ratio Lower Upper
45 100
77 21.5 1.1 41.1
79 13.9 0.0 34.6





#17
2-Methylphenol
Concen: 48.732 ng
RT: 8.357 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

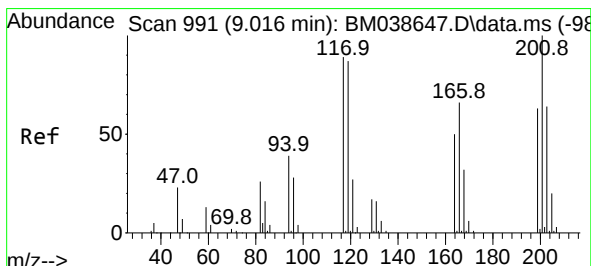
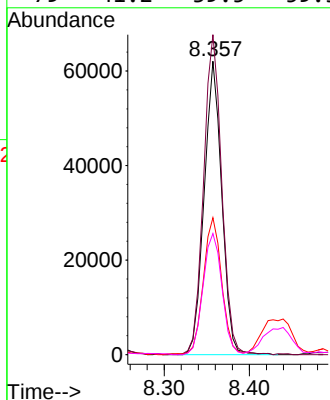
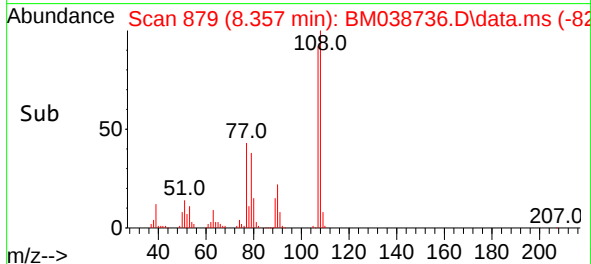
Instrument :
BNA_M
ClientSampleId :
SOILMS



Tgt Ion:	107	Resp:	8916
Ion Ratio	Lower	Upper	
107	100		
108	109.1	89.6	134.4
77	46.6	40.7	61.1
79	41.2	39.5	59.3

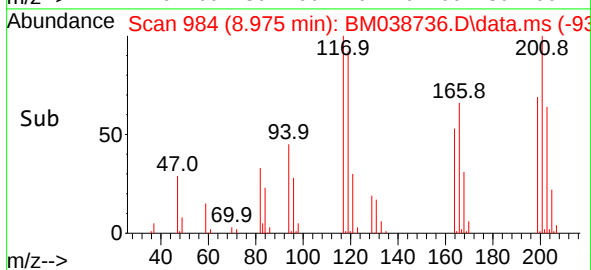
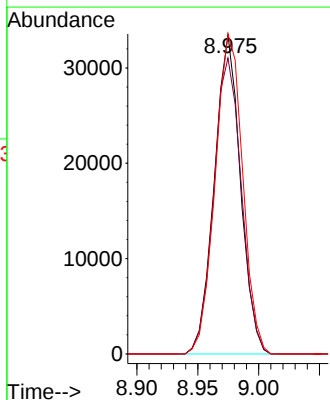
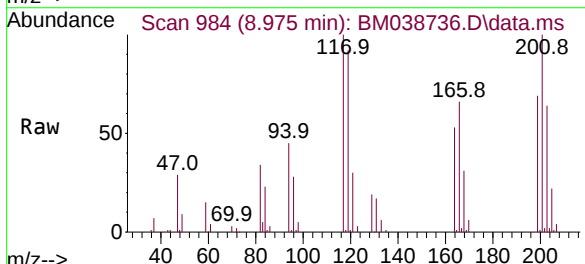
Manual Integrations
APPROVED

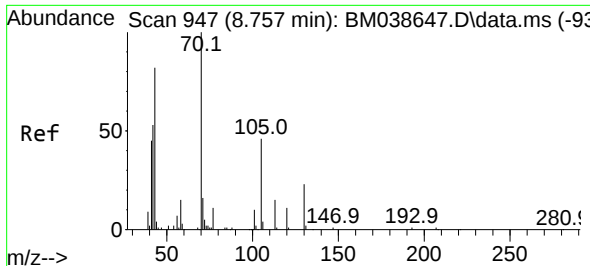
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#18
Hexachloroethane
Concen: 53.060 ng
RT: 8.975 min Scan# 984
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

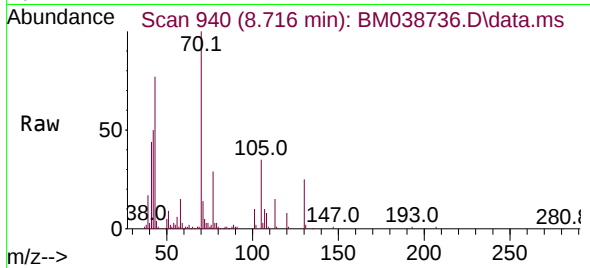
Tgt Ion:	117	Resp:	49915
Ion Ratio	Lower	Upper	
117	100		
119	92.8	78.6	117.8
201	100.4	90.2	135.2





#19
n-Nitroso-di-n-propylamine
Concen: 47.800 ng
RT: 8.716 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

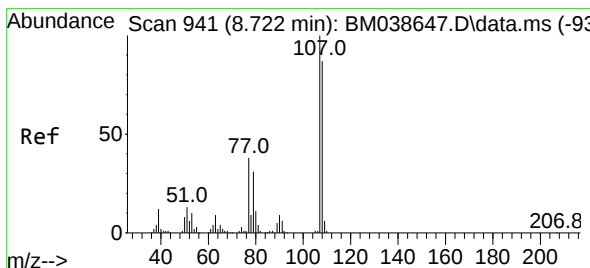
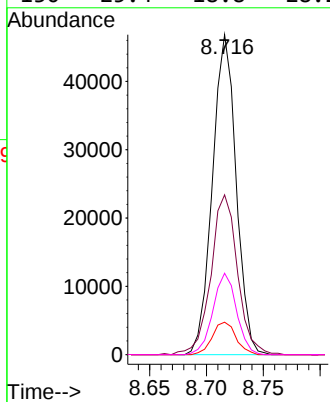
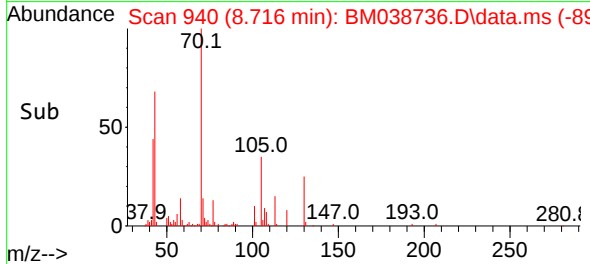
Instrument :
BNA_M
ClientSampleId :
SOILMS



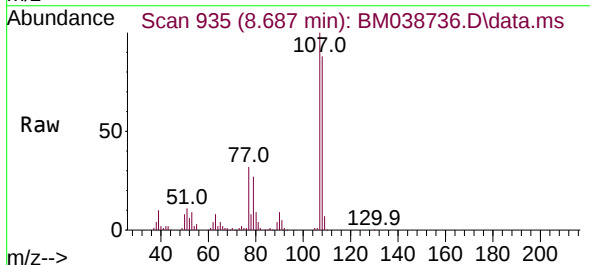
Tgt Ion: 70 Resp: 68032
Ion Ratio Lower Upper
70 100
42 49.9 43.4 65.2
101 10.1 8.2 12.2
130 25.4 18.8 28.2

Manual Integrations
APPROVED

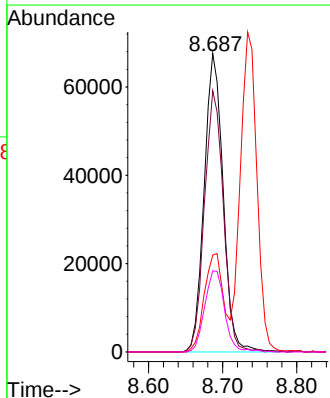
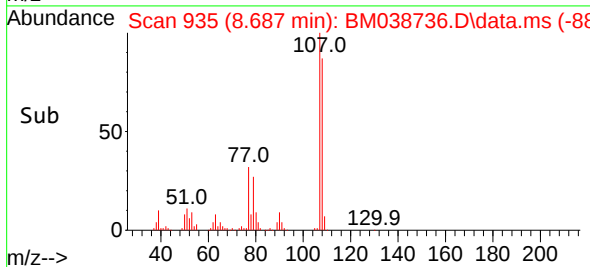
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

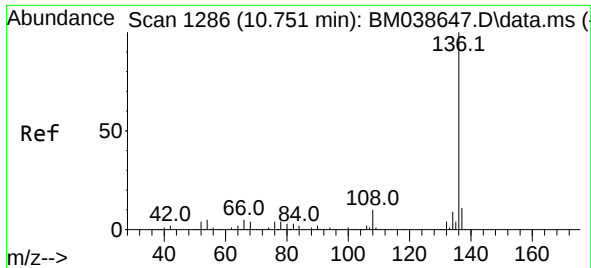


#20
3+4-Methylphenols
Concen: 49.022 ng
RT: 8.687 min Scan# 935
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48



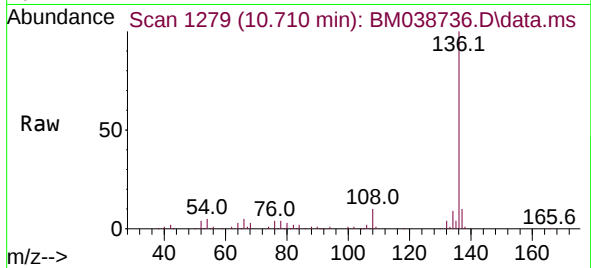
Tgt Ion:107 Resp: 119589
Ion Ratio Lower Upper
107 100
108 87.5 67.2 107.2
77 32.5 17.5 57.5
79 27.1 10.8 50.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

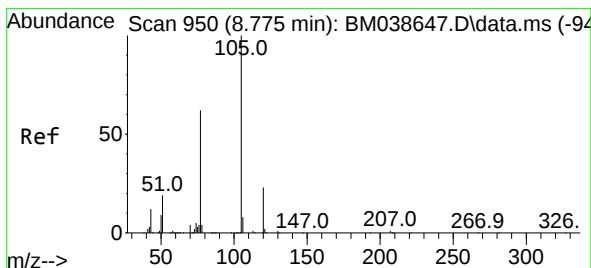
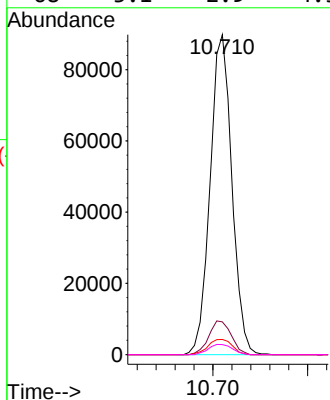
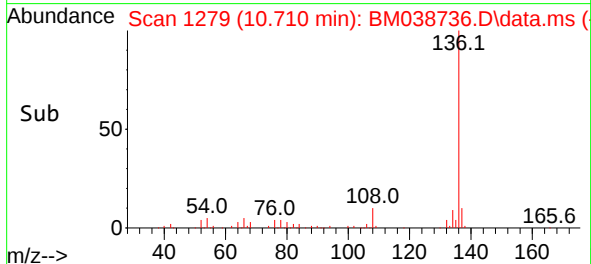
Instrument :
BNA_M
ClientSampleId :
SOILMS



Tgt Ion:136 Resp: 143250
Ion Ratio Lower Upper
136 100
137 10.2 8.8 13.2
54 4.7 4.2 6.4
68 3.1 2.9 4.3

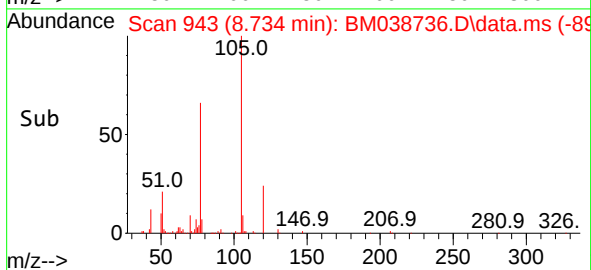
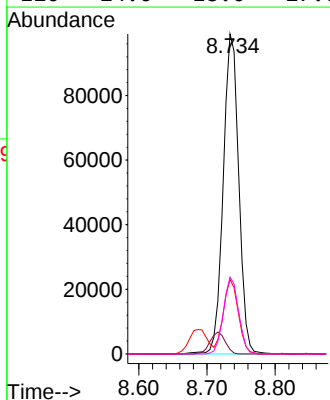
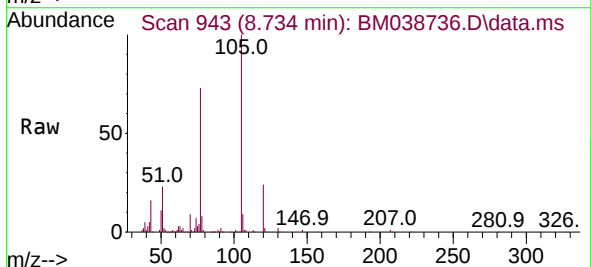
Manual Integrations
APPROVED

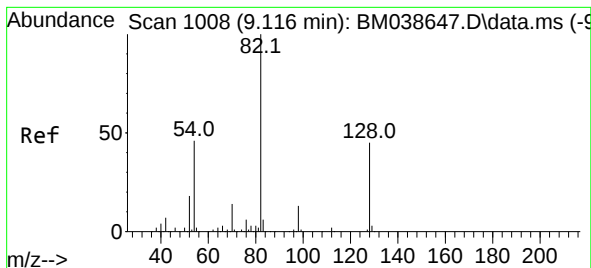
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#22
Acetophenone
Concen: 45.708 ng
RT: 8.734 min Scan# 943
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:105 Resp: 156147
Ion Ratio Lower Upper
105 100
71 1.4 0.9 1.3#
51 23.2 19.3 28.9
120 24.0 18.0 27.0





#23

Nitrobenzene-d5

Concen: 68.834 ng

RT: 9.075 min Scan# 1001

Delta R.T. -0.006 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

Tgt Ion: 82 Resp: 17359

Ion Ratio Lower Upper

82 100

128 49.1 36.0 54.0

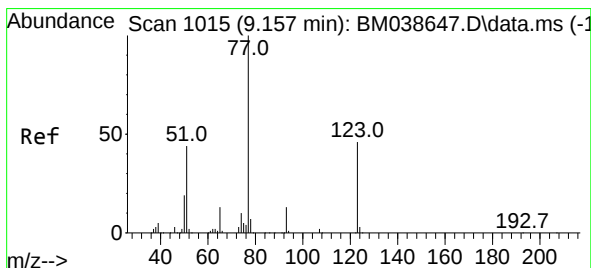
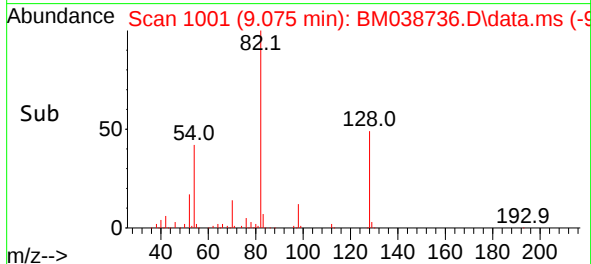
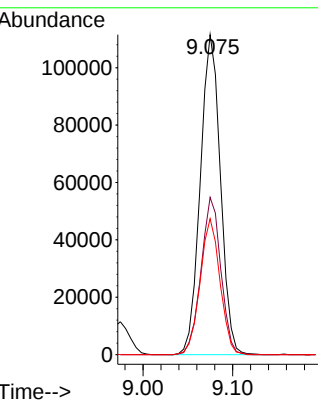
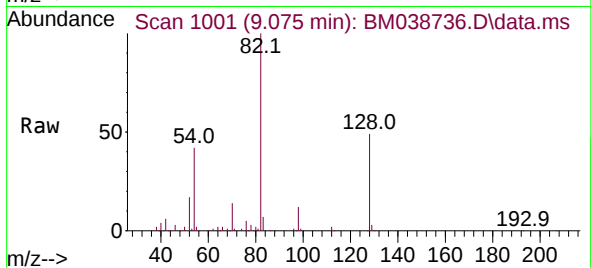
54 42.5 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/15/2023

Supervised By :Jagrut Upadhyay 02/17/2023



#24

Nitrobenzene

Concen: 43.893 ng

RT: 9.116 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

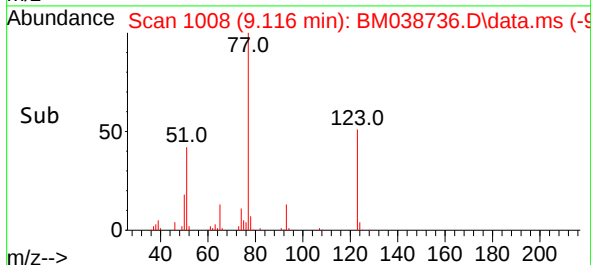
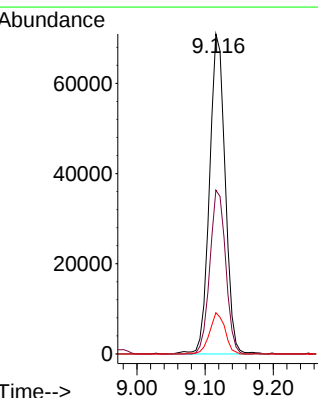
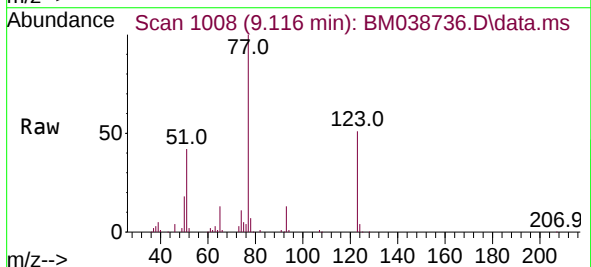
Tgt Ion: 77 Resp: 112357

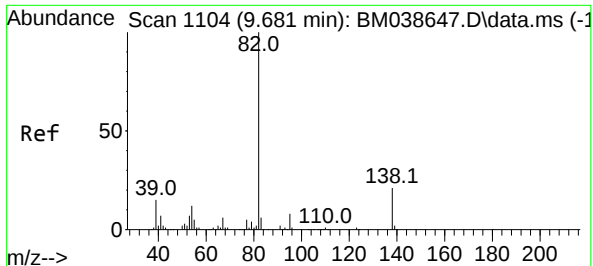
Ion Ratio Lower Upper

77 100

123 51.2 36.5 54.7

65 12.9 10.7 16.1





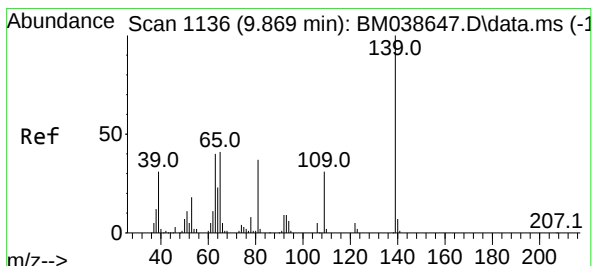
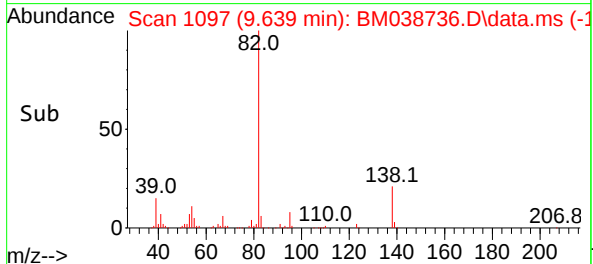
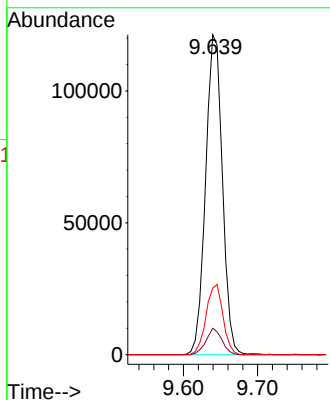
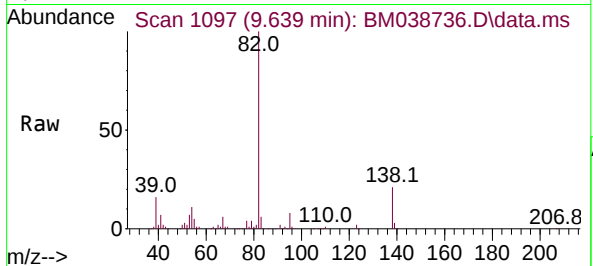
#25
Isophorone
Concen: 43.178 ng
RT: 9.639 min Scan# 1097
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Instrument :
BNA_M
Client SampleId :
SOILMS

Tgt Ion: 82 Resp: 190760
Ion Ratio Lower Upper
82 100
95 8.2 6.4 9.6
138 20.8 17.0 25.6

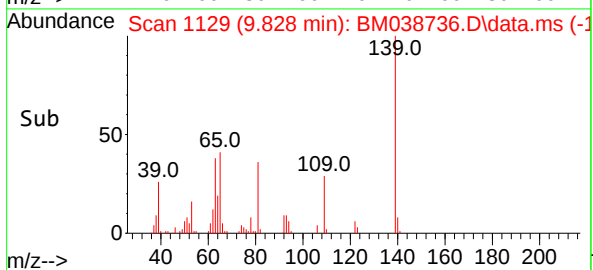
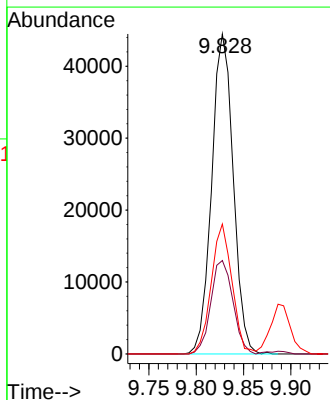
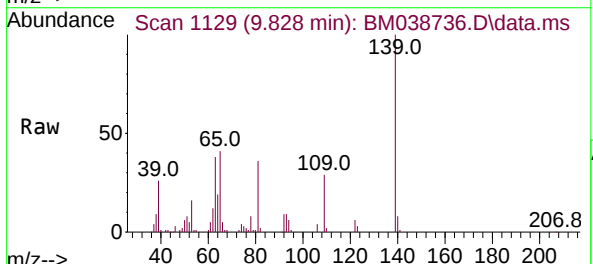
Manual Integrations
APPROVED

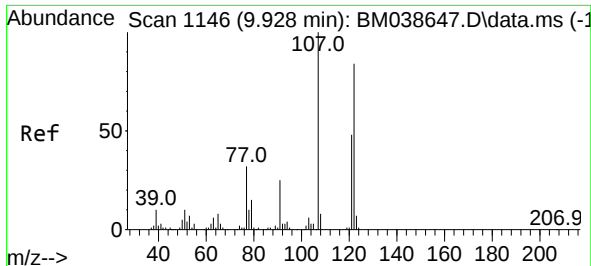
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#26
2-Nitrophenol
Concen: 49.447 ng
RT: 9.828 min Scan# 1129
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:139 Resp: 70433
Ion Ratio Lower Upper
139 100
109 29.2 24.5 36.7
65 40.6 32.6 49.0





#27

2,4-Dimethylphenol

Concen: 50.293 ng

RT: 9.892 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BM038736.D

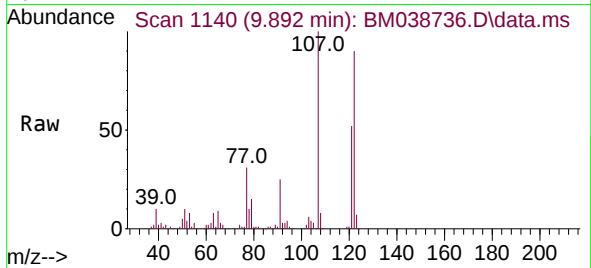
Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS



Tgt Ion:122 Resp: 103360

Ion Ratio Lower Upper

122 100

107 111.3 94.9 142.3

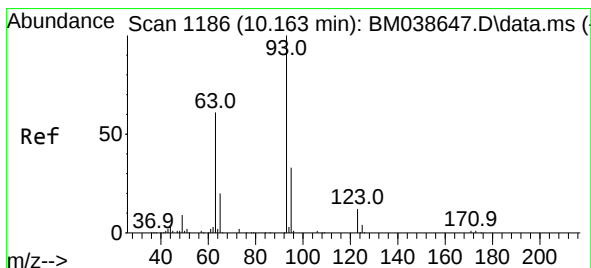
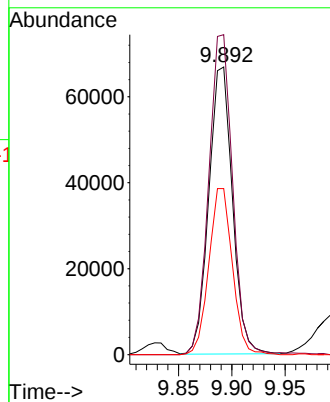
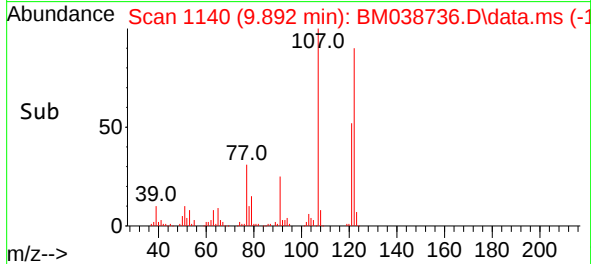
121 57.7 45.5 68.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/15/2023

Supervised By :Jagrut Upadhyay 02/17/2023



#28

bis(2-Chloroethoxy)methane

Concen: 45.765 ng

RT: 10.128 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

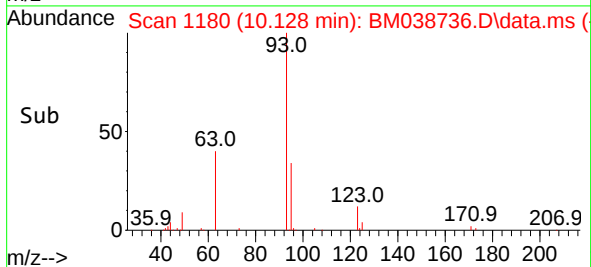
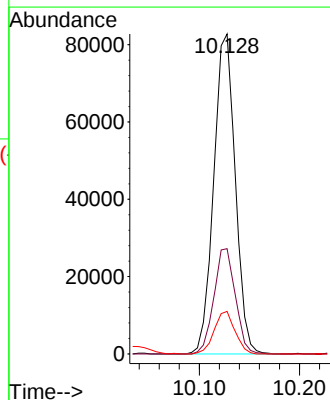
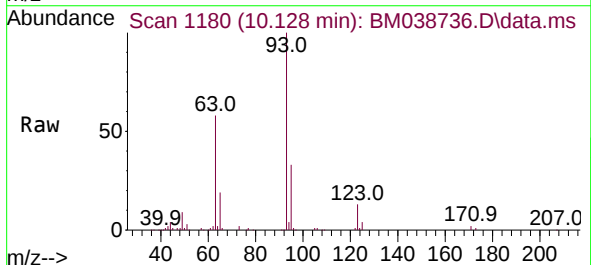
Tgt Ion: 93 Resp: 123565

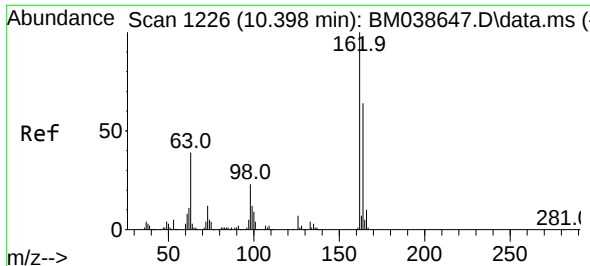
Ion Ratio Lower Upper

93 100

95 32.9 26.6 40.0

123 13.3 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 45.883 ng

RT: 10.363 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BM038736.D

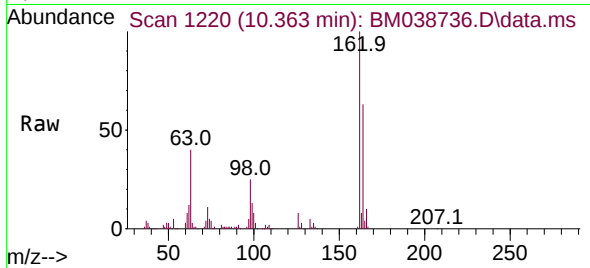
Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS



Tgt Ion:162 Resp: 133970

Ion Ratio Lower Upper

162 100

164 63.1 44.3 84.3

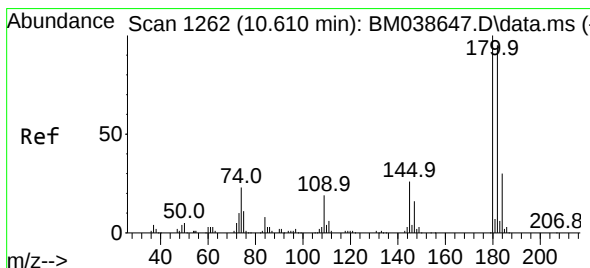
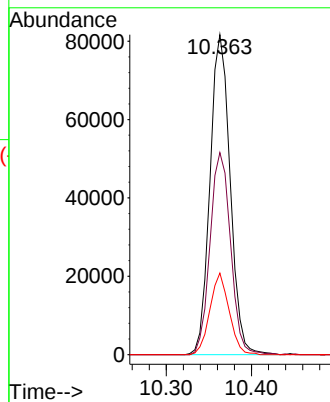
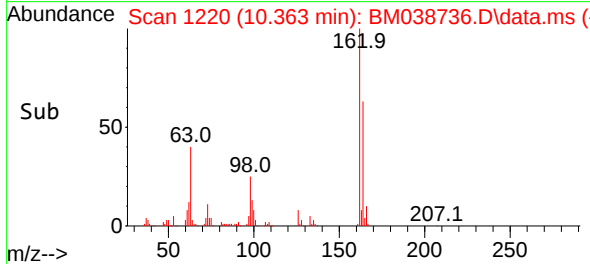
98 25.5 3.1 43.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/15/2023

Supervised By :Jagrut Upadhyay 02/17/2023



#30

1,2,4-Trichlorobenzene

Concen: 44.005 ng

RT: 10.569 min Scan# 1255

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

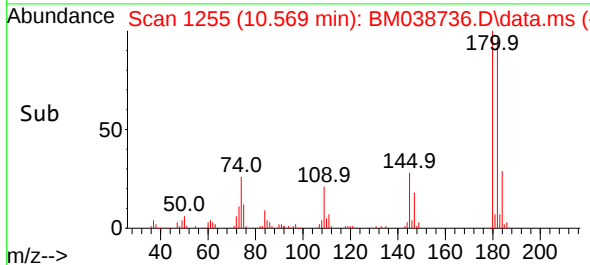
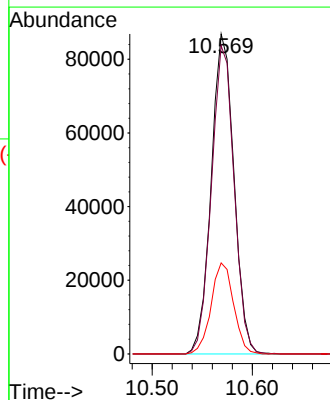
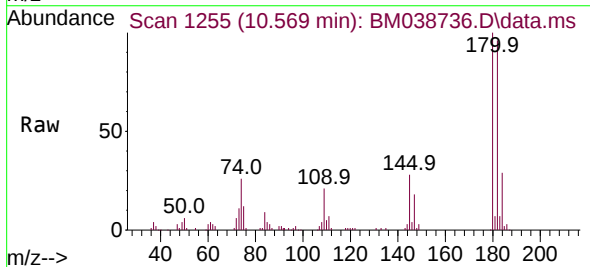
Tgt Ion:180 Resp: 136672

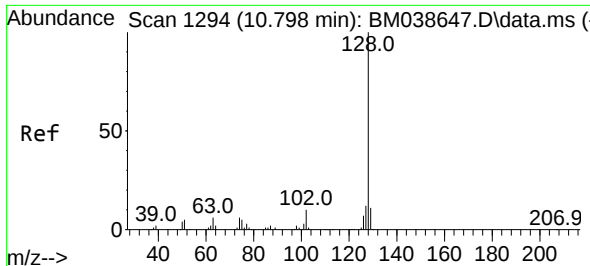
Ion Ratio Lower Upper

180 100

182 96.3 76.2 114.2

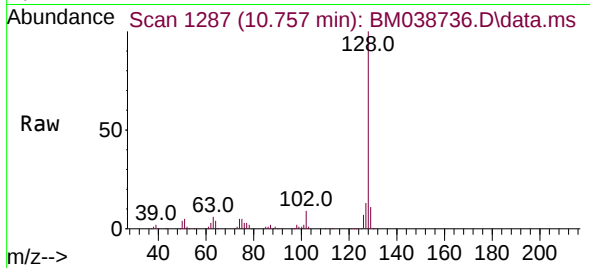
145 28.4 20.8 31.2





#31
Naphthalene
Concen: 48.116 ng
RT: 10.757 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

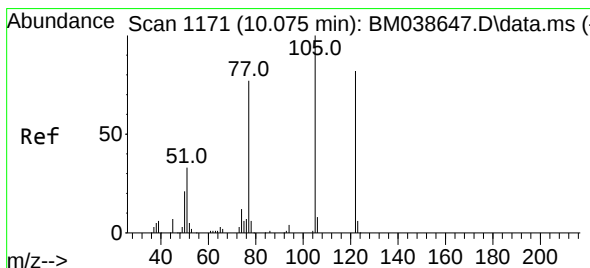
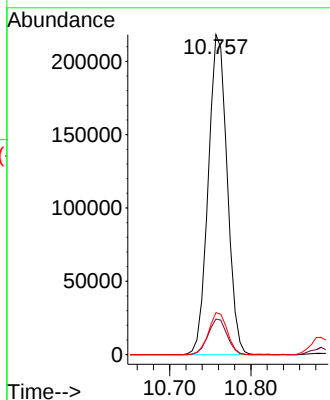
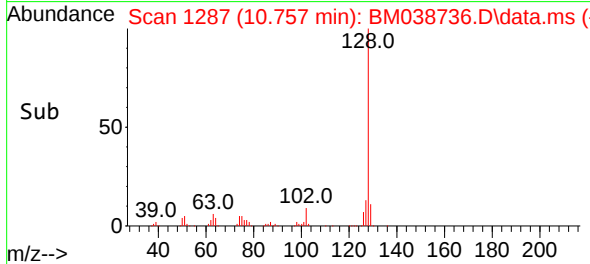
Instrument :
BNA_M
ClientSampleId :
SOILMS



Tgt Ion:128 Resp: 353699
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.1 9.9 14.9

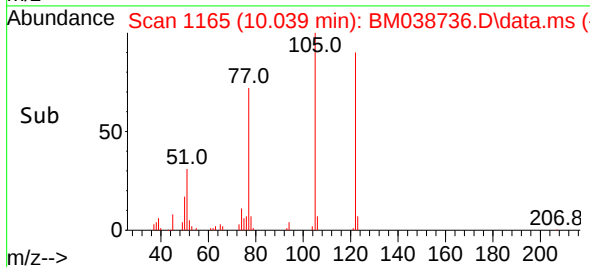
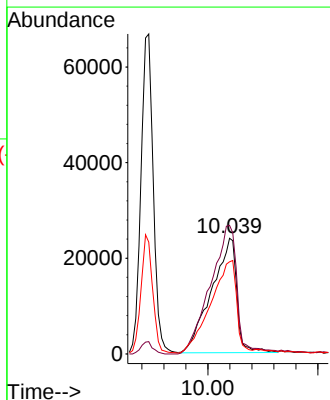
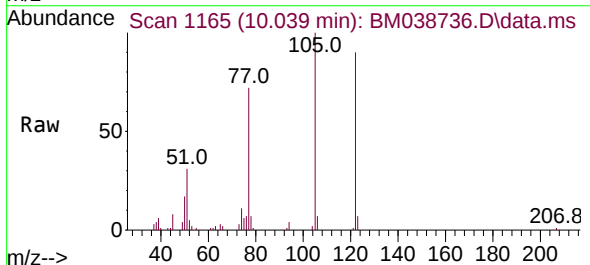
Manual Integrations
APPROVED

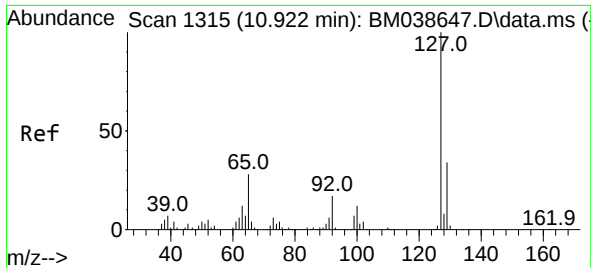
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#32
Benzoic acid
Concen: 45.925 ng
RT: 10.039 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:122 Resp: 76403
Ion Ratio Lower Upper
122 100
105 111.1 99.2 139.2
77 79.6 72.3 112.3





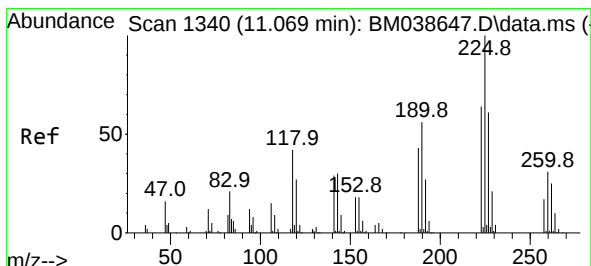
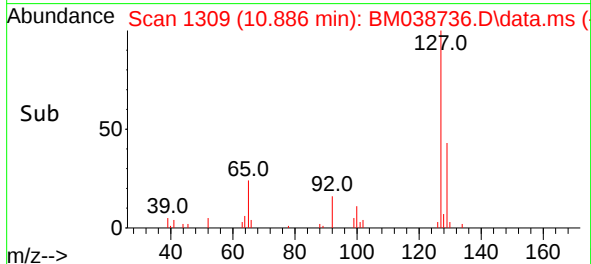
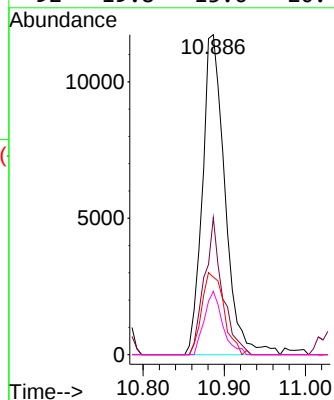
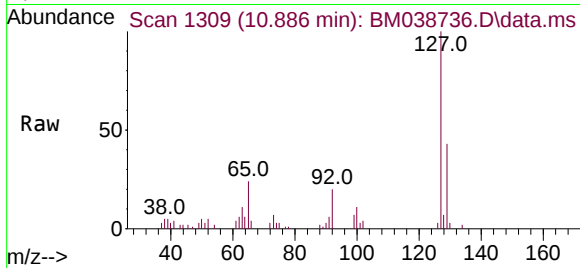
#33
4-Chloroaniline
Concen: 7.036 ng
RT: 10.886 min Scan# 1315
Delta R.T. 0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Instrument :
BNA_M
ClientSampleId :
SOILMS

Tgt Ion:	127	Resp:	22668
Ion Ratio	Lower	Upper	
127	100		
129	42.8	27.1	40.7
65	24.2	22.2	33.4
92	19.8	13.6	20.4

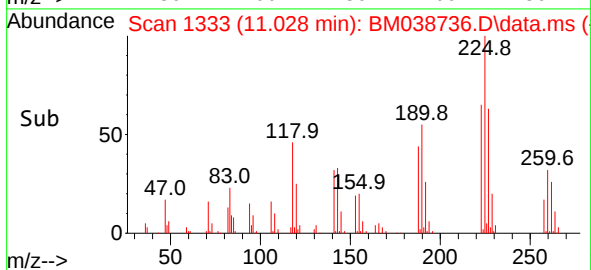
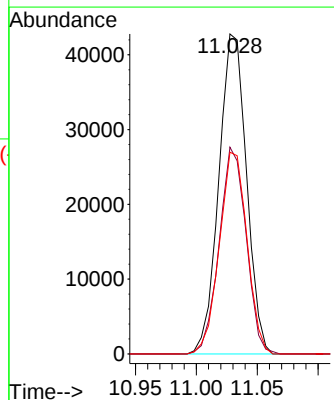
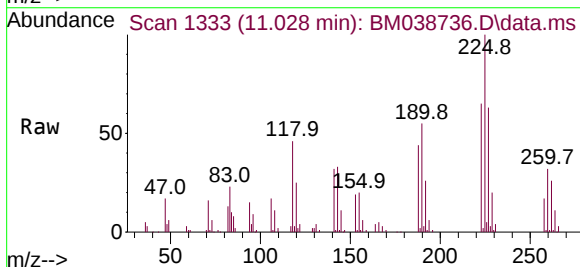
Manual Integrations
APPROVED

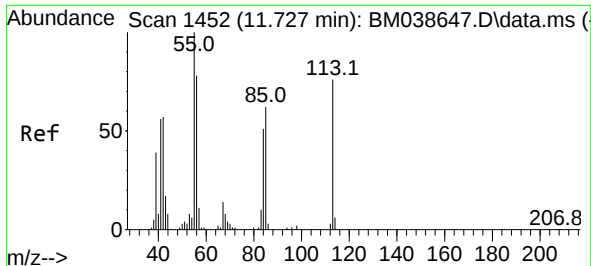
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#34
Hexachlorobutadiene
Concen: 43.444 ng
RT: 11.028 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

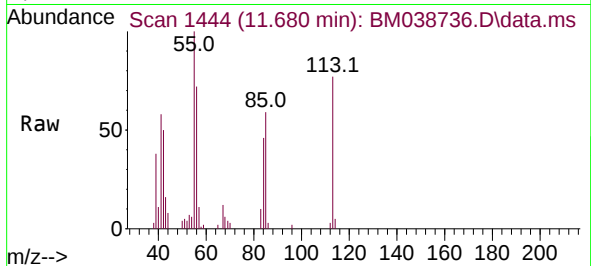
Tgt Ion:	225	Resp:	67592
Ion Ratio	Lower	Upper	
225	100		
223	64.6	51.0	76.4
227	63.0	49.2	73.8





#35
Caprolactam
Concen: 46.899 ng m
RT: 11.680 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

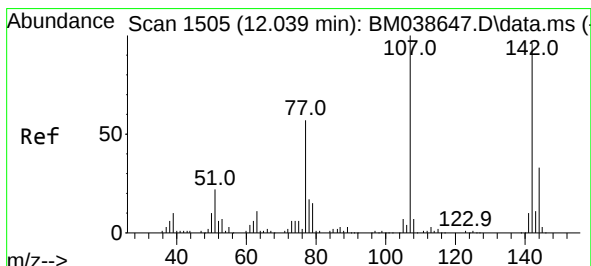
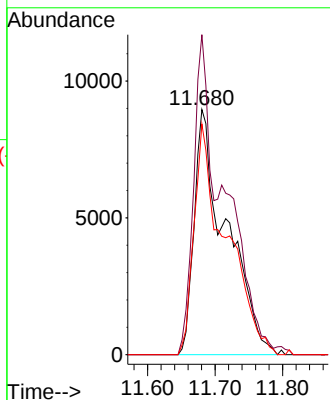
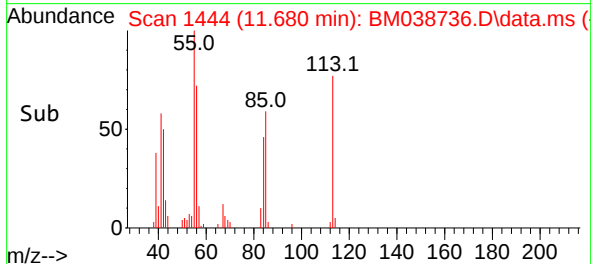
Instrument :
BNA_M
ClientSampleId :
SOILMS



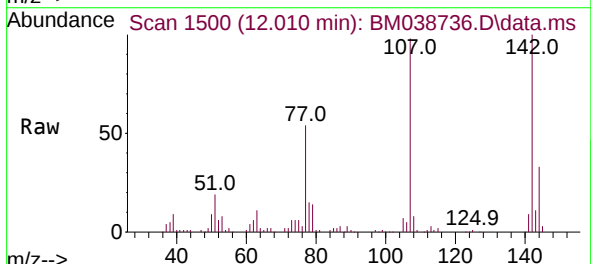
Tgt Ion:113 Resp: 29491
Ion Ratio Lower Upper
113 100
55 130.6 111.2 151.2
56 94.1 82.0 122.0

Manual Integrations
APPROVED

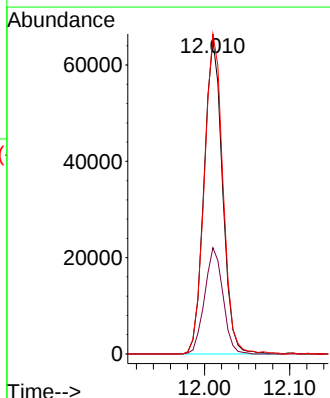
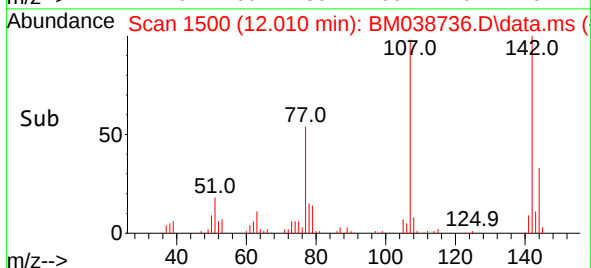
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

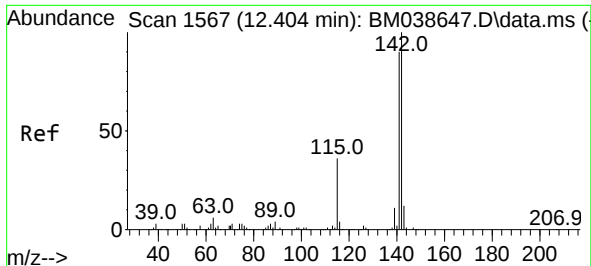


#36
4-Chloro-3-methylphenol
Concen: 45.293 ng
RT: 12.010 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48



Tgt Ion:107 Resp: 97788
Ion Ratio Lower Upper
107 100
144 33.8 26.5 39.7
142 101.9 77.0 115.6





#37

2-Methylnaphthalene

Concen: 44.610 ng

RT: 12.369 min Scan# 1561

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

Tgt Ion:142 Resp: 265000

Ion Ratio Lower Upper

142 100

141 92.1 71.8 107.8

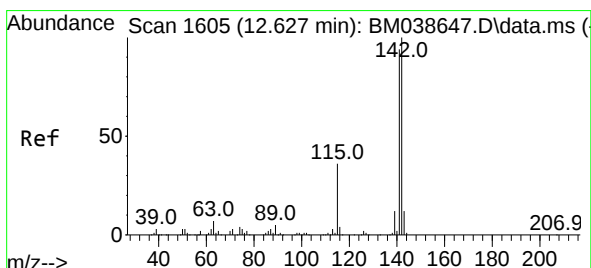
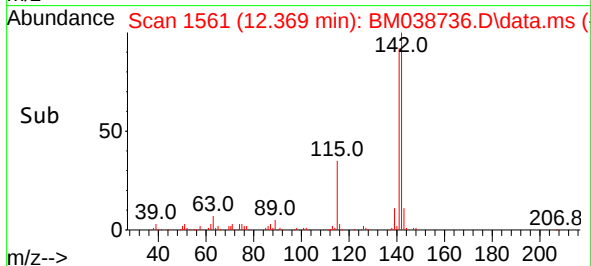
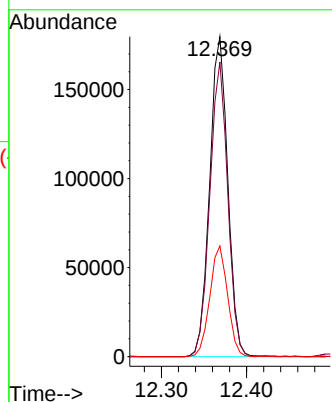
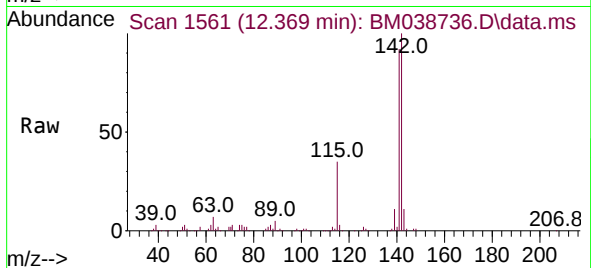
115 34.6 28.7 43.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/15/2023

Supervised By :Jagrut Upadhyay 02/17/2023



#38

1-Methylnaphthalene

Concen: 44.582 ng

RT: 12.586 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

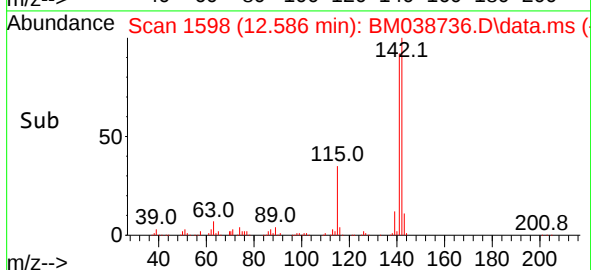
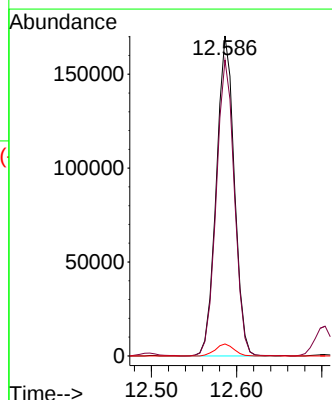
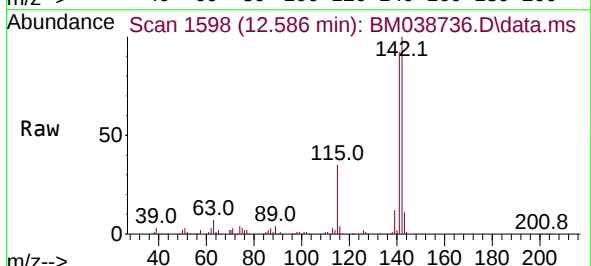
Tgt Ion:142 Resp: 249550

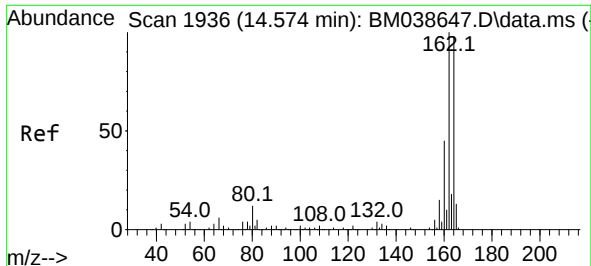
Ion Ratio Lower Upper

142 100

141 92.5 75.5 113.3

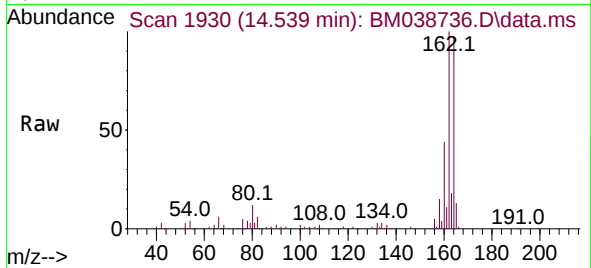
116 3.7 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

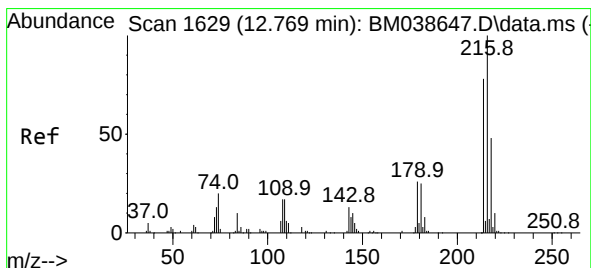
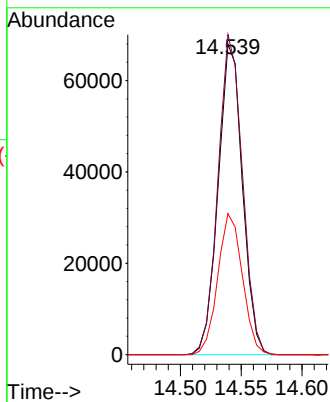
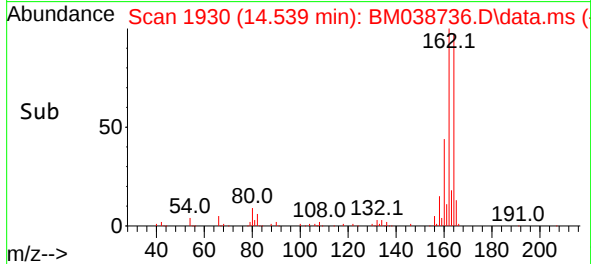
Instrument :
BNA_M
ClientSampleId :
SOILMS



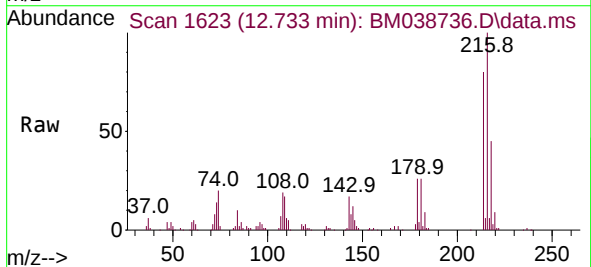
Tgt Ion:164 Resp: 94084
Ion Ratio Lower Upper
164 100
162 103.1 81.4 122.0
160 45.4 36.5 54.7

Manual Integrations
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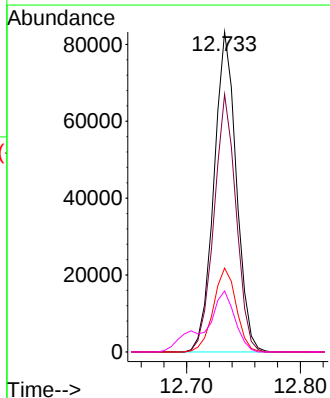
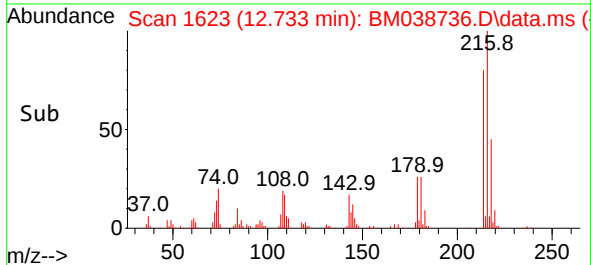
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

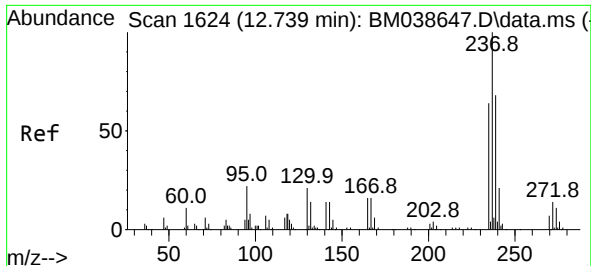


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.501 ng
RT: 12.733 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48



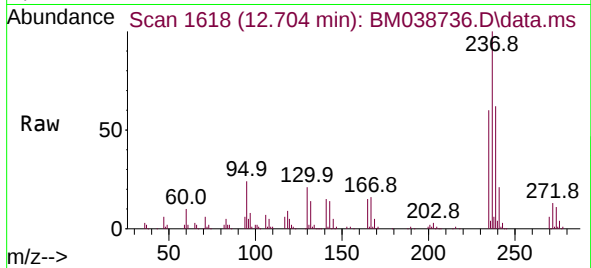
Tgt Ion:216 Resp: 113861
Ion Ratio Lower Upper
216 100
214 79.1 63.4 95.0
179 26.7 21.0 31.4
108 25.7 16.8 25.2#





#41
Hexachlorocyclopentadiene
Concen: 97.880 ng
RT: 12.704 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

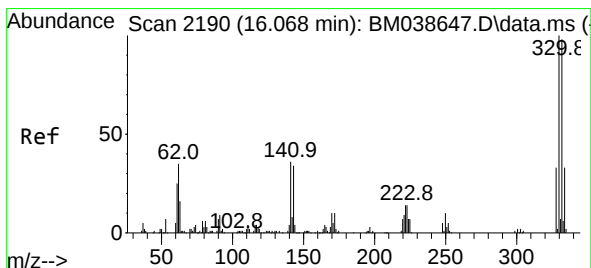
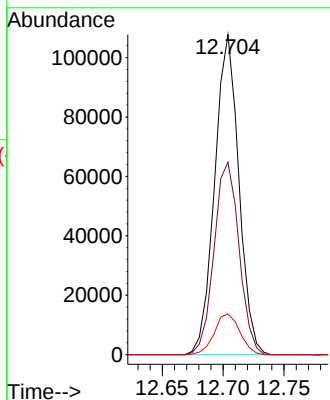
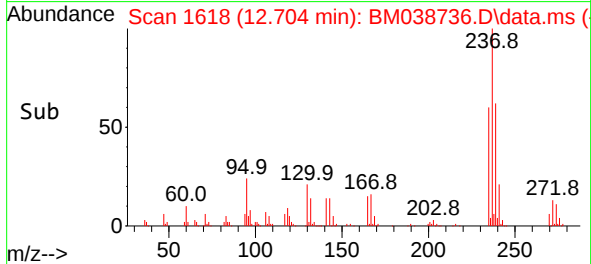
Instrument :
BNA_M
ClientSampleId :
SOILMS



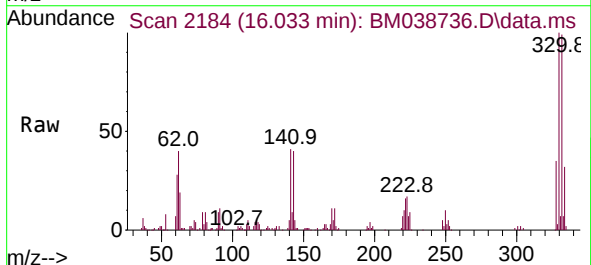
Tgt Ion: 237 Resp: 148721
Ion Ratio Lower Upper
237 100
235 60.1 43.8 83.8
272 12.7 0.0 33.8

Manual Integrations
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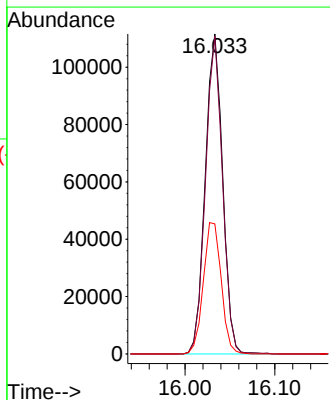
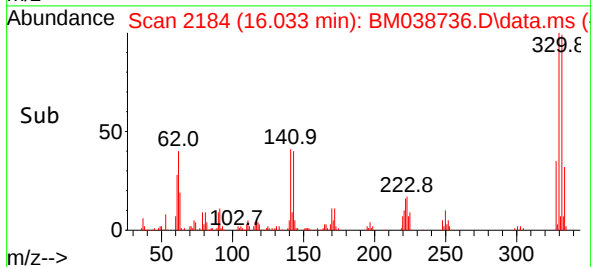
Reviewed By : Christian Giraldo 02/15/2023
Supervised By : Jagrut Upadhyay 02/17/2023

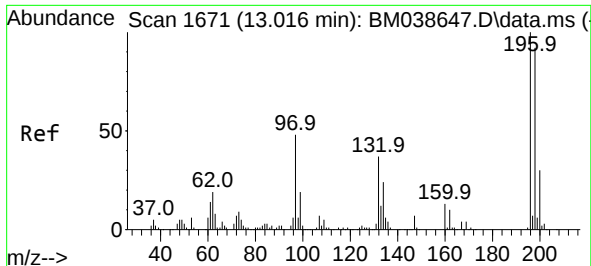


#42
2,4,6-Tribromophenol
Concen: 117.595 ng
RT: 16.033 min Scan# 2184
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48



Tgt Ion: 330 Resp: 150382
Ion Ratio Lower Upper
330 100
332 96.7 77.8 116.6
141 42.2 31.0 46.6





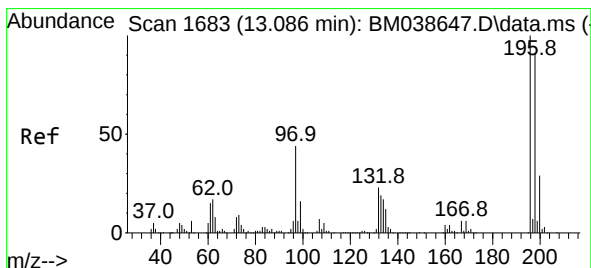
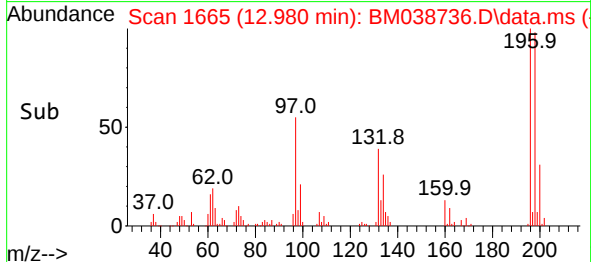
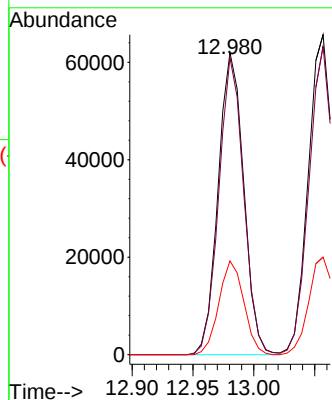
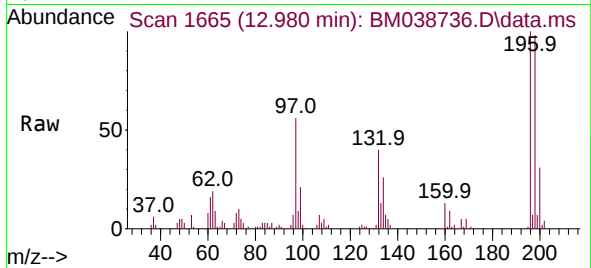
#43
2,4,6-Trichlorophenol
Concen: 46.969 ng
RT: 12.980 min Scan# 1665
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Instrument :
BNA_M
ClientSampleId :
SOILMS

Tgt Ion:196 Resp: 90350
Ion Ratio Lower Upper
196 100
198 98.3 73.7 110.5
200 31.0 24.3 36.5

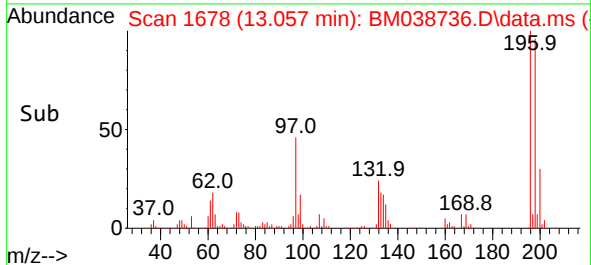
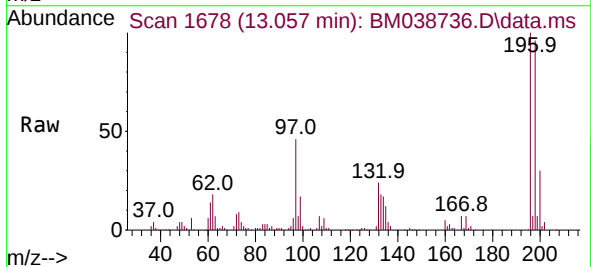
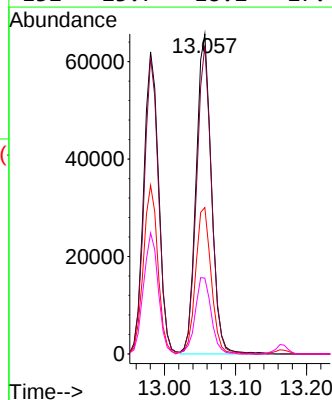
Manual Integrations
APPROVED

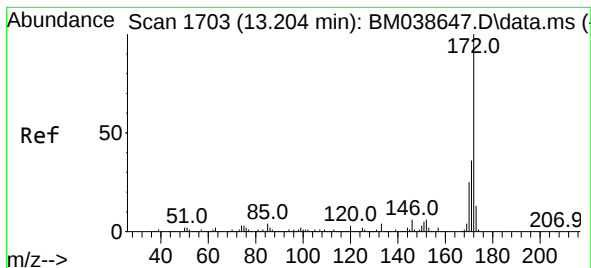
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#44
2,4,5-Trichlorophenol
Concen: 43.447 ng
RT: 13.057 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

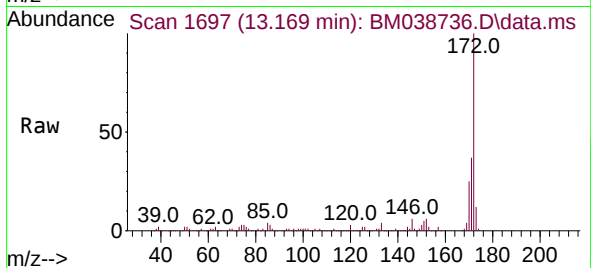
Tgt Ion:196 Resp: 98350
Ion Ratio Lower Upper
196 100
198 96.3 73.1 109.7
97 45.8 35.5 53.3
132 23.7 18.2 27.4





#45
2-Fluorobiphenyl
Concen: 65.882 ng
RT: 13.169 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

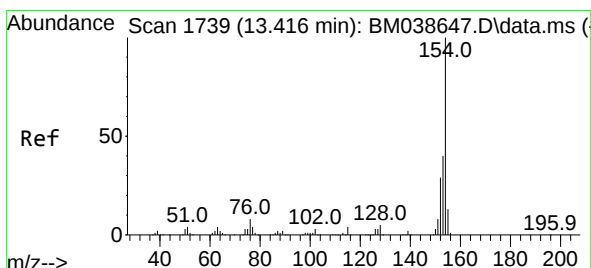
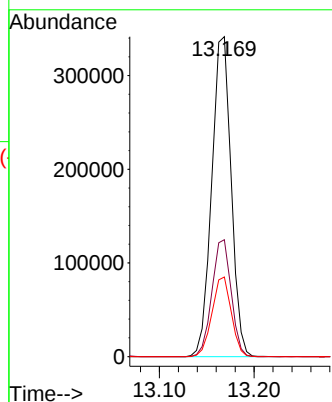
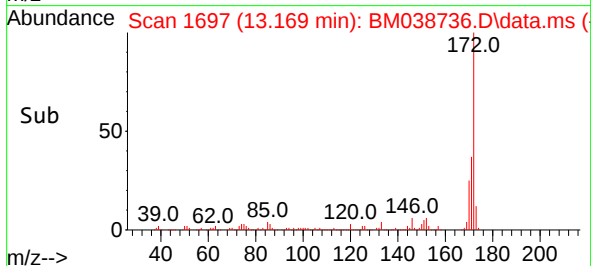
Instrument :
BNA_M
ClientSampleId :
SOILMS



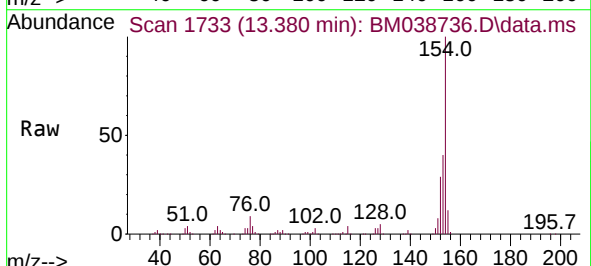
Tgt Ion:172 Resp: 486879
Ion Ratio Lower Upper
172 100
171 36.5 28.7 43.1
170 24.9 20.0 30.0

Manual Integrations
APPROVED

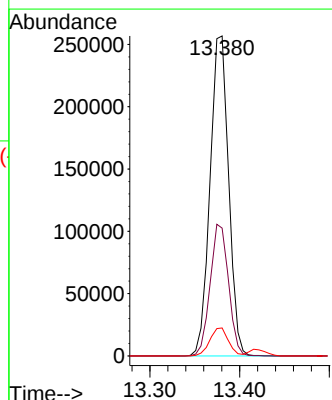
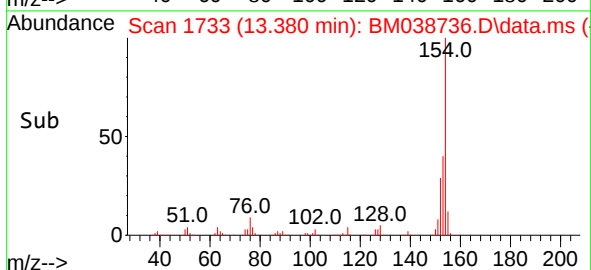
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

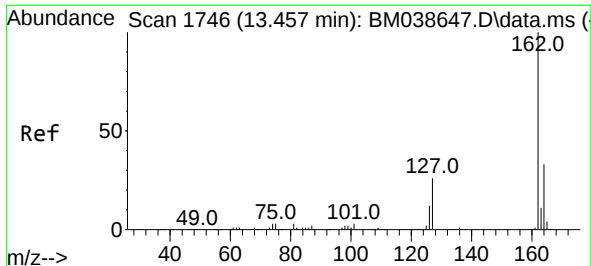


#46
1,1'-Biphenyl
Concen: 49.522 ng
RT: 13.380 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48



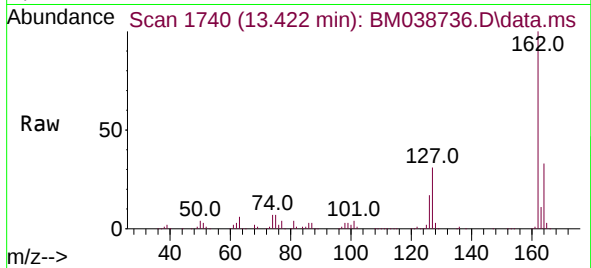
Tgt Ion:154 Resp: 369077
Ion Ratio Lower Upper
154 100
153 39.9 19.9 59.9
76 8.7 0.0 27.9





#47
2-Chloronaphthalene
Concen: 49.602 ng
RT: 13.422 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

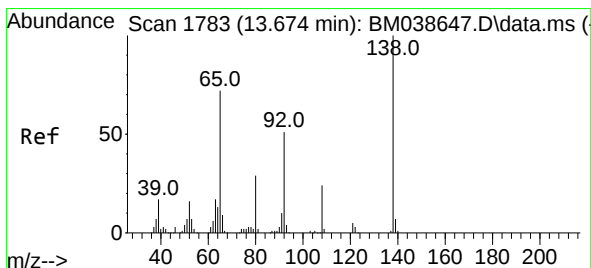
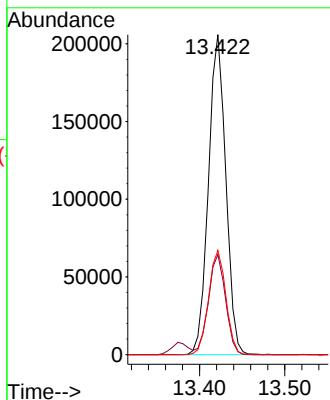
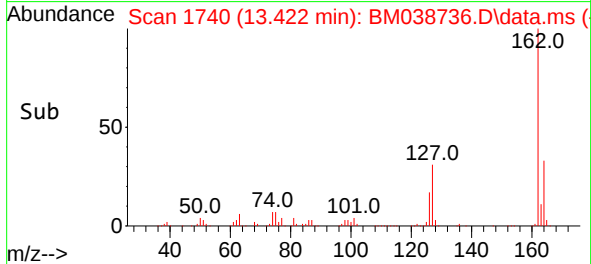
Instrument :
BNA_M
ClientSampleId :
SOILMS



Tgt Ion:162 Resp: 29089
Ion Ratio Lower Upper
162 100
127 31.3 23.6 35.4
164 32.6 26.7 40.1

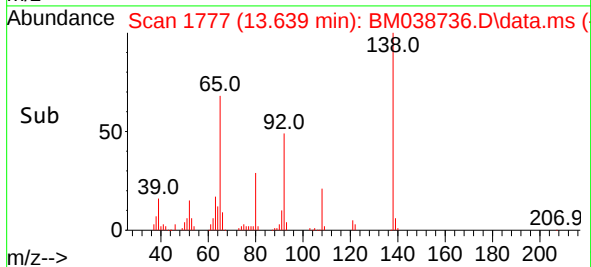
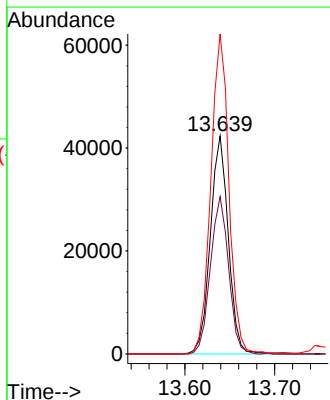
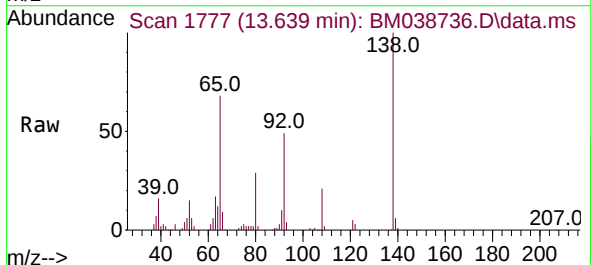
Manual Integrations
APPROVED

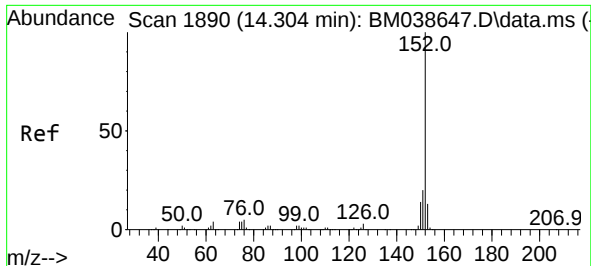
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#48
2-Nitroaniline
Concen: 44.558 ng
RT: 13.639 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

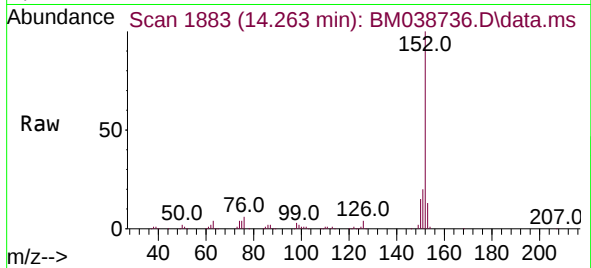
Tgt Ion: 65 Resp: 58758
Ion Ratio Lower Upper
65 100
92 72.1 55.9 83.9
138 146.8 110.6 166.0





#49
Acenaphthylene
Concen: 49.867 ng
RT: 14.263 min Scan# 1883
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

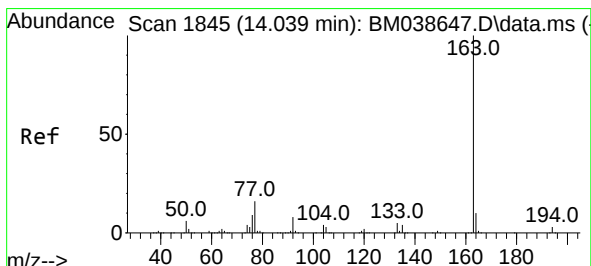
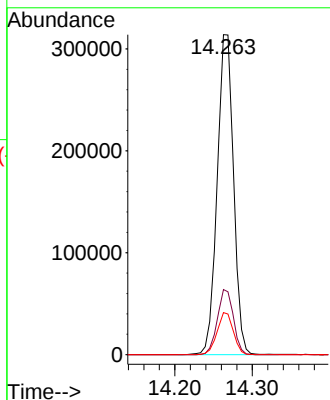
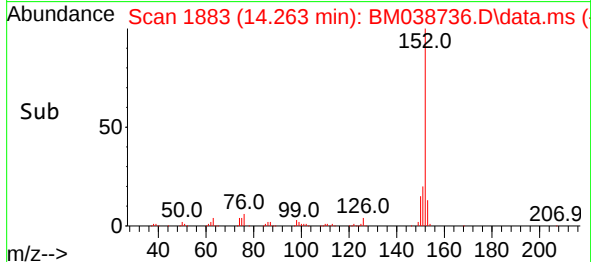
Instrument :
BNA_M
ClientSampleId :
SOILMS



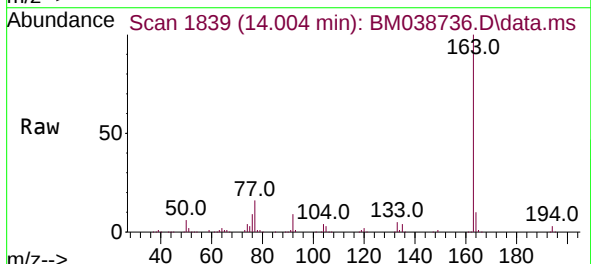
Tgt Ion:152 Resp: 460623
Ion Ratio Lower Upper
152 100
151 20.3 16.1 24.1
153 13.1 10.0 15.0

Manual Integrations
APPROVED

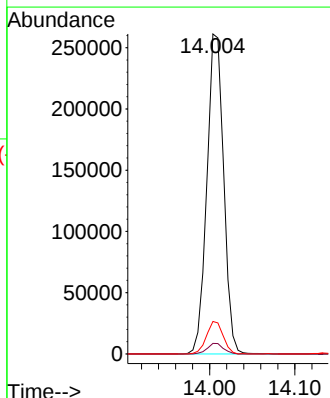
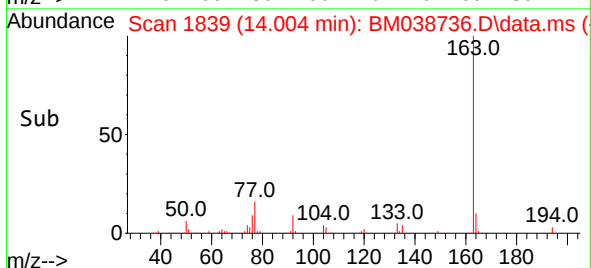
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

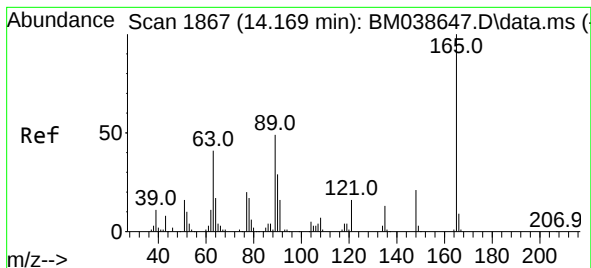


#50
Dimethylphthalate
Concen: 46.481 ng
RT: 14.004 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48



Tgt Ion:163 Resp: 356872
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.1 8.2 12.4





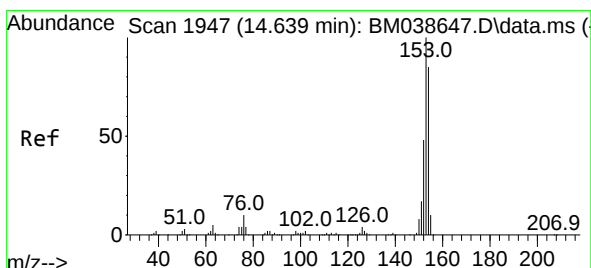
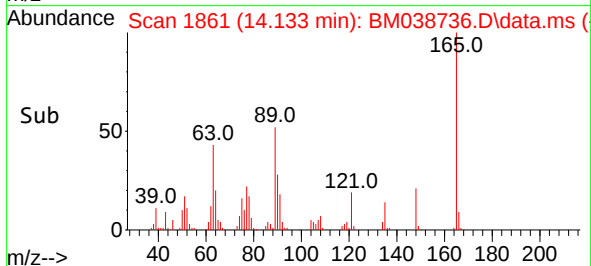
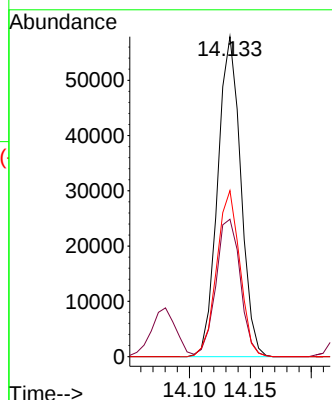
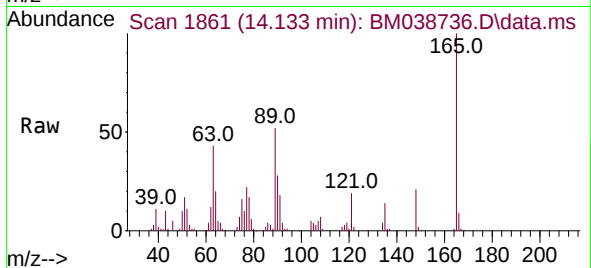
#51
2,6-Dinitrotoluene
Concen: 48.985 ng
RT: 14.133 min Scan# 1861
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Instrument :
BNA_M
ClientSampleId :
SOILMS

Tgt Ion:165 Resp: 76440
Ion Ratio Lower Upper
165 100
63 42.9 35.8 53.8
89 51.9 39.3 58.9

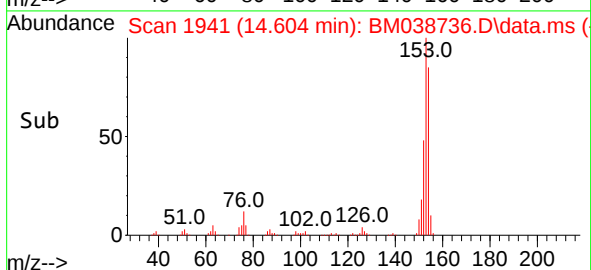
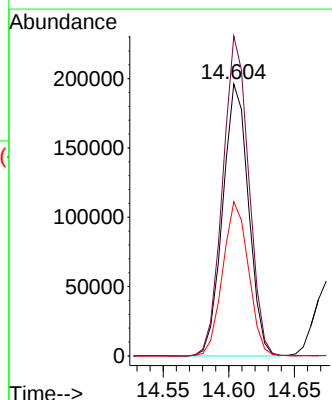
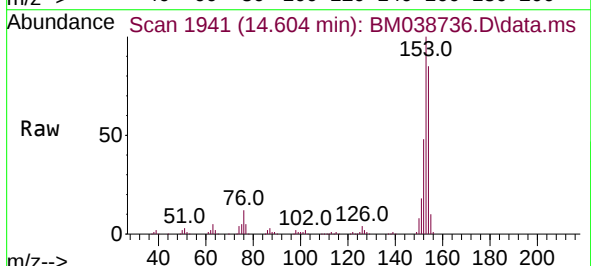
Manual Integrations
APPROVED

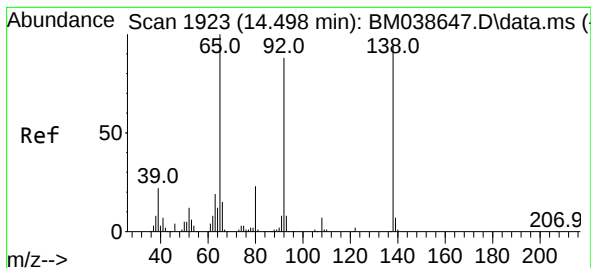
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#52
Acenaphthene
Concen: 48.739 ng
RT: 14.604 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

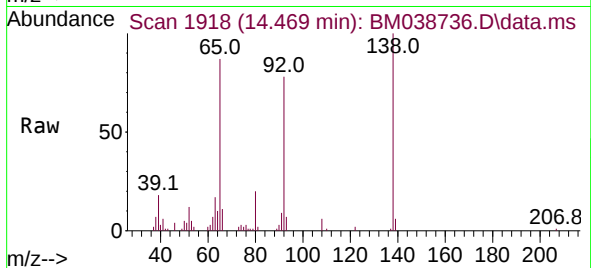
Tgt Ion:154 Resp: 268814
Ion Ratio Lower Upper
154 100
153 117.6 93.7 140.5
152 56.7 44.6 67.0





#53
3-Nitroaniline
Concen: 18.475 ng
RT: 14.469 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

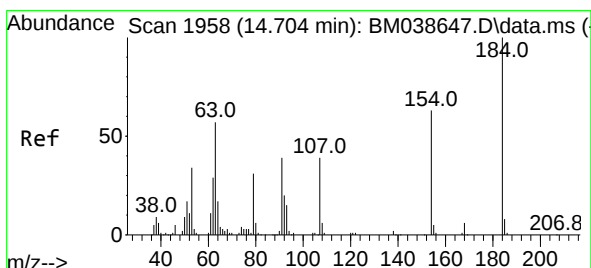
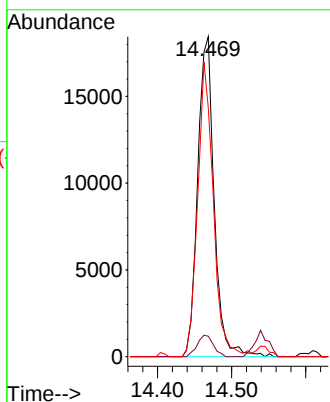
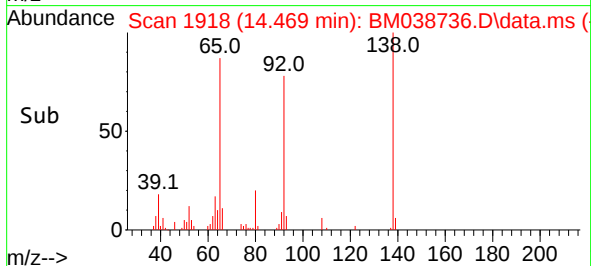
Instrument :
BNA_M
ClientSampleId :
SOILMS



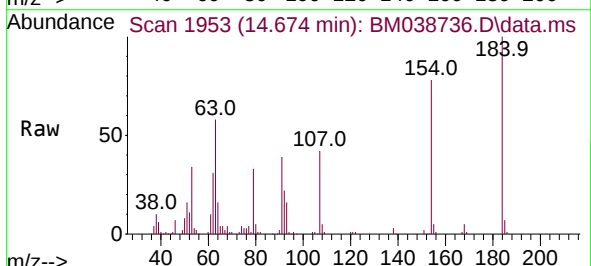
Tgt Ion:138 Resp: 28479
Ion Ratio Lower Upper
138 100
108 6.4 5.8 8.8
92 77.8 73.9 110.9

Manual Integrations
APPROVED

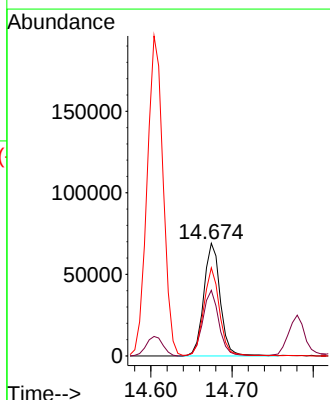
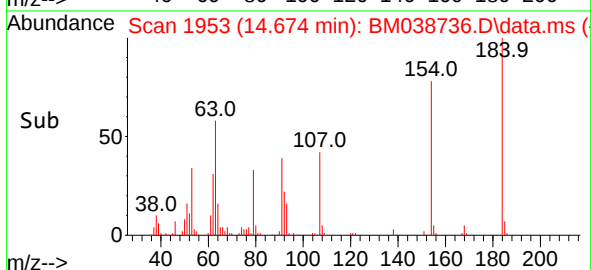
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

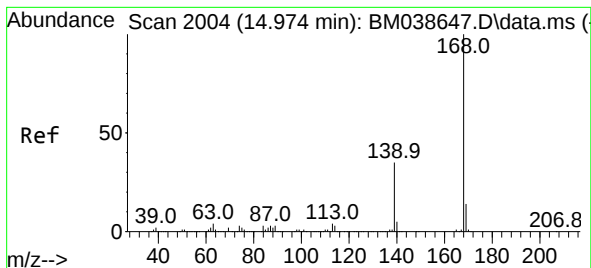


#54
2,4-Dinitrophenol
Concen: 95.937 ng
RT: 14.674 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48



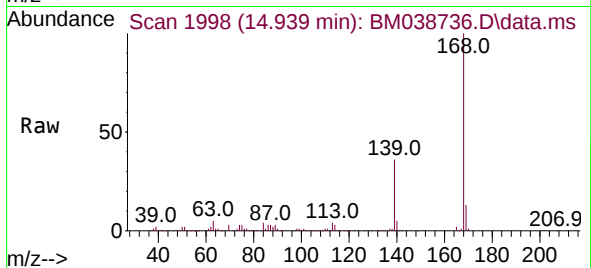
Tgt Ion:184 Resp: 97445
Ion Ratio Lower Upper
184 100
63 58.2 45.9 68.9
154 78.2 54.9 82.3





#55
Dibenzenofuran
Concen: 46.131 ng
RT: 14.939 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

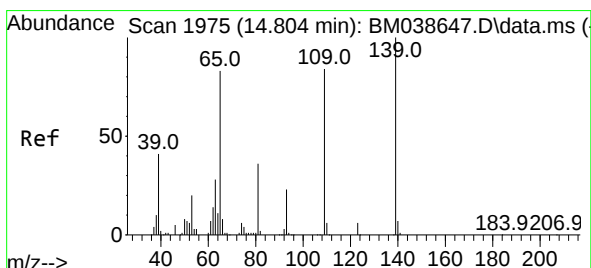
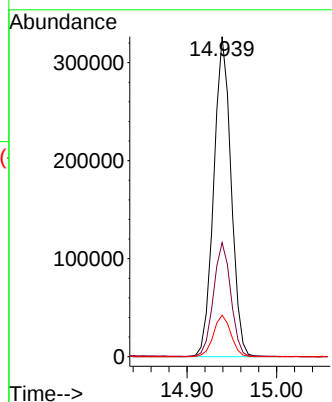
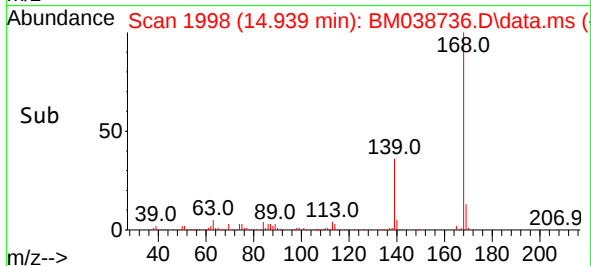
Instrument :
BNA_M
ClientSampleId :
SOILMS



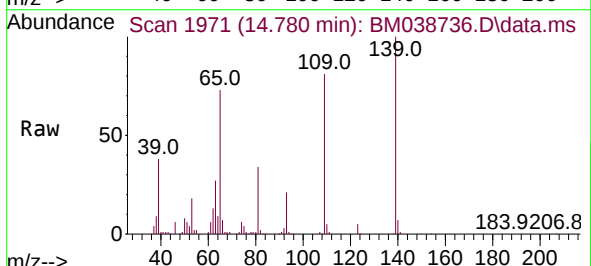
Tgt Ion:168 Resp: 438139
Ion Ratio Lower Upper
168 100
139 35.6 27.8 41.6
169 13.0 10.9 16.3

Manual Integrations
APPROVED

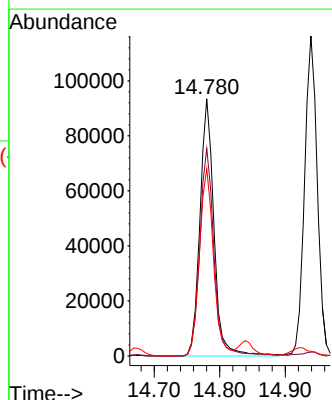
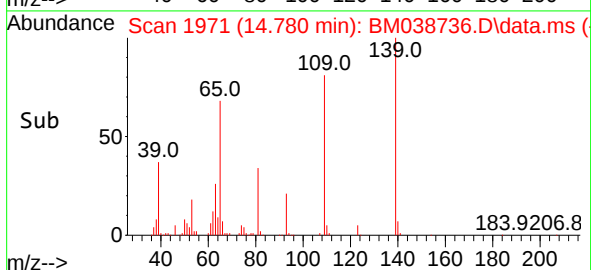
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

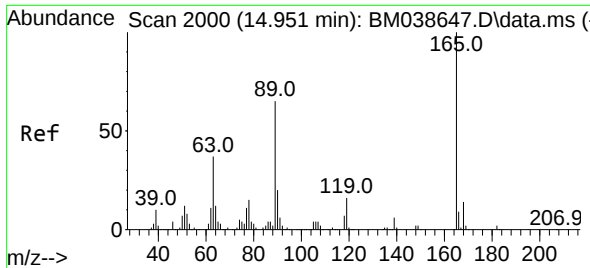


#56
4-Nitrophenol
Concen: 110.209 ng
RT: 14.780 min Scan# 1971
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48



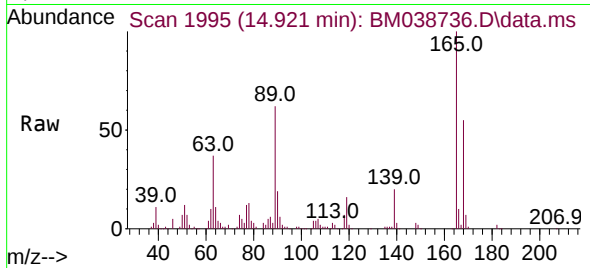
Tgt Ion:139 Resp: 137930
Ion Ratio Lower Upper
139 100
109 80.6 63.8 103.8
65 72.8 62.5 102.5





#57
2,4-Dinitrotoluene
Concen: 46.896 ng
RT: 14.921 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

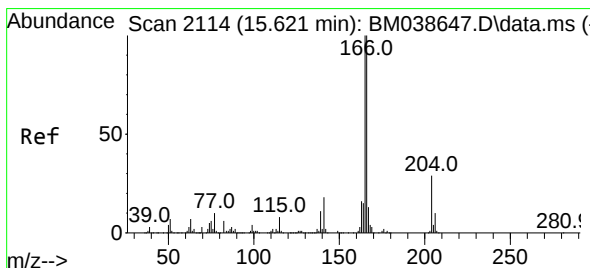
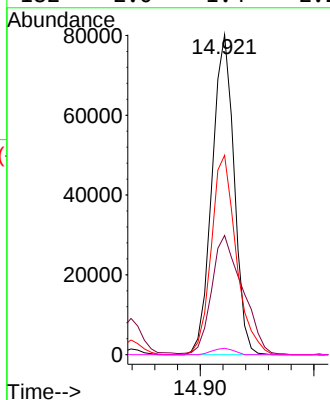
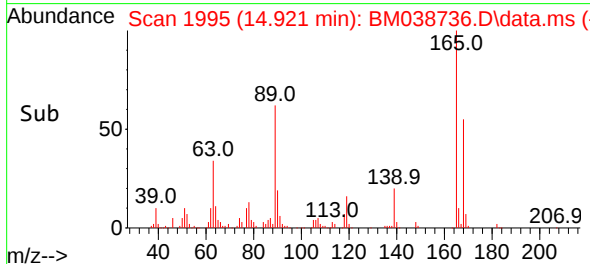
Instrument :
BNA_M
Client Sample Id :
SOILMS



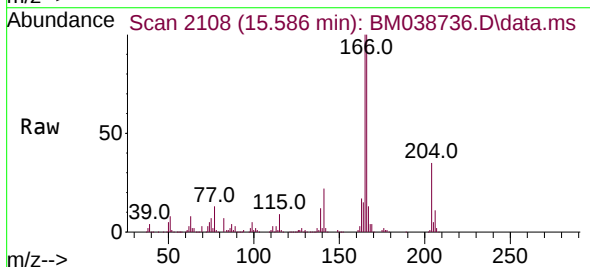
Tgt Ion:165 Resp: 107893
Ion Ratio Lower Upper
165 100
63 37.2 29.4 44.0
89 62.3 51.8 77.6
182 2.0 1.4 2.2

Manual Integrations
APPROVED

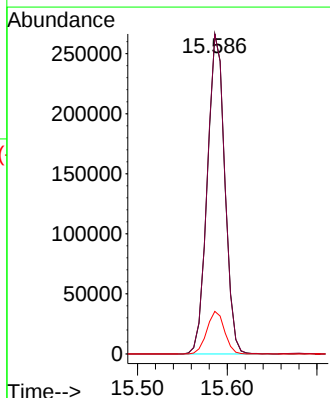
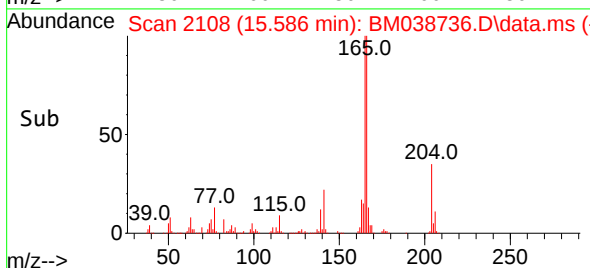
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

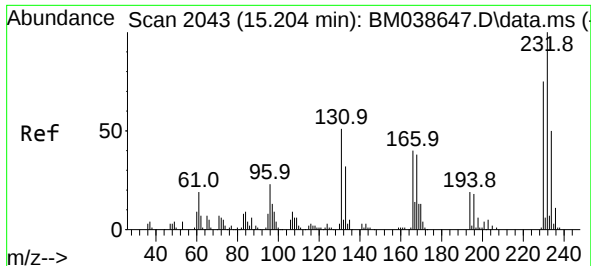


#58
Fluorene
Concen: 48.067 ng
RT: 15.586 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48



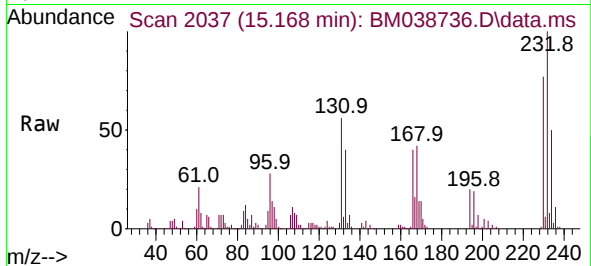
Tgt Ion:166 Resp: 361224
Ion Ratio Lower Upper
166 100
165 99.8 80.2 120.4
167 13.3 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.751 ng
RT: 15.168 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

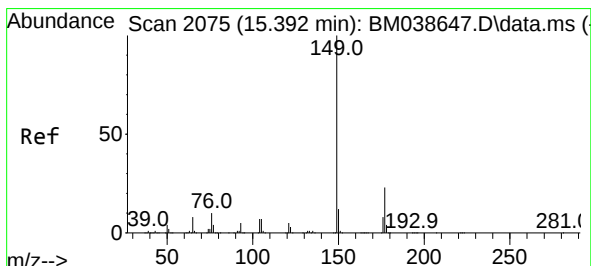
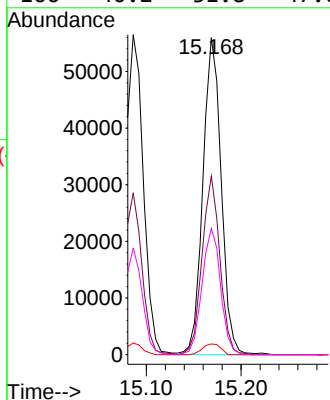
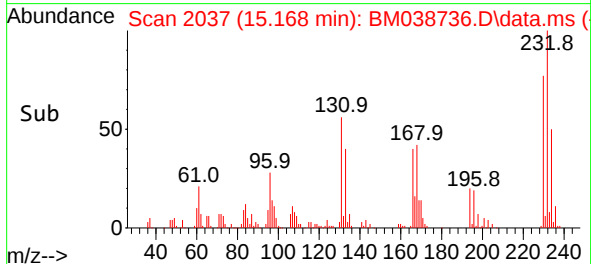
Instrument :
BNA_M
Client SampleId :
SOILMS



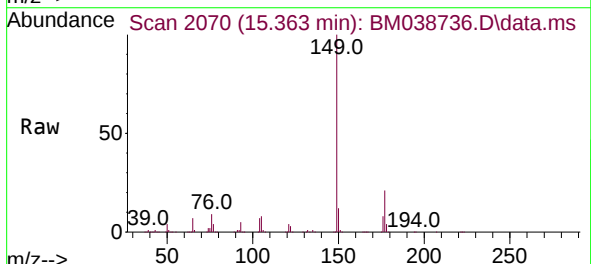
Tgt Ion:232 Resp: 75231
Ion Ratio Lower Upper
232 100
131 54.7 41.2 61.8
130 3.3 2.4 3.6
166 40.2 31.8 47.6

Manual Integrations
APPROVED

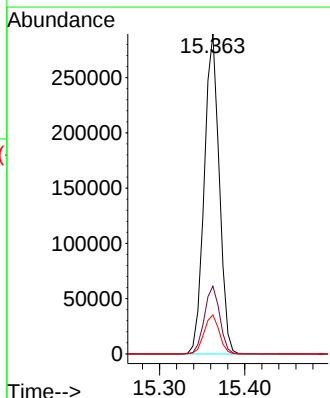
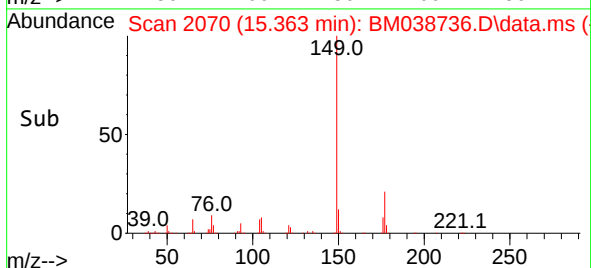
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

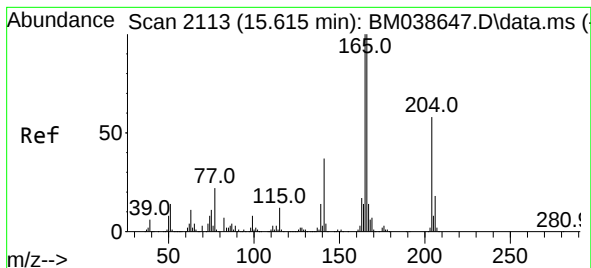


#60
Diethylphthalate
Concen: 48.641 ng
RT: 15.363 min Scan# 2070
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48



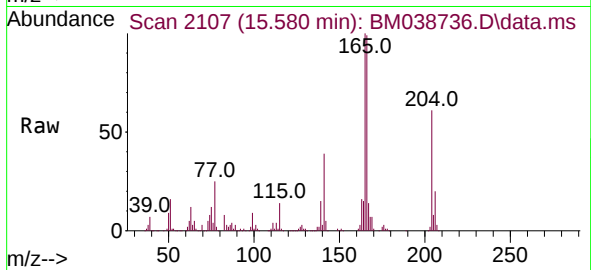
Tgt Ion:149 Resp: 353793
Ion Ratio Lower Upper
149 100
177 21.2 18.1 27.1
150 12.2 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 45.745 ng
RT: 15.580 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

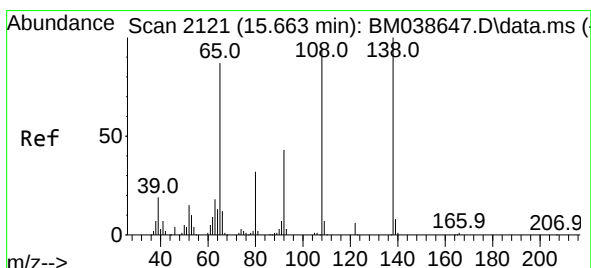
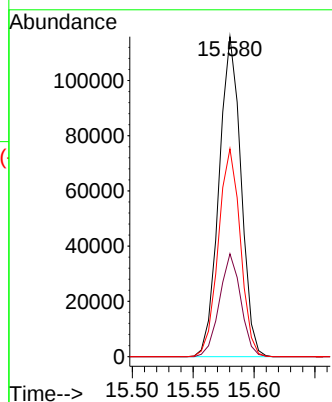
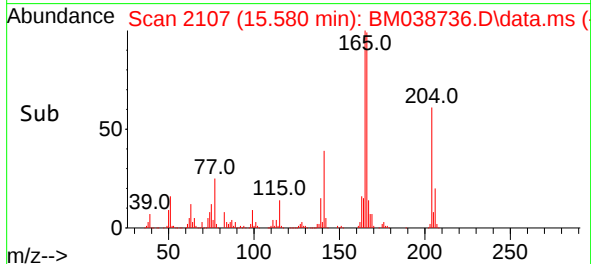
Instrument :
BNA_M
ClientSampleId :
SOILMS



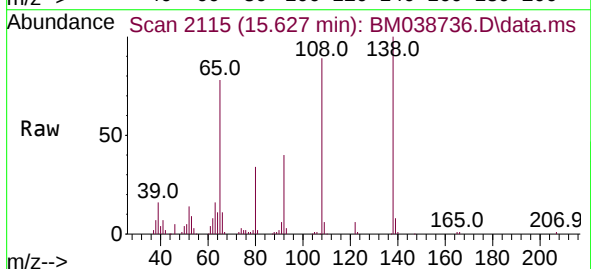
Tgt Ion:204 Resp: 145840
Ion Ratio Lower Upper
204 100
206 32.1 25.3 37.9
141 64.9 51.3 76.9

Manual Integrations
APPROVED

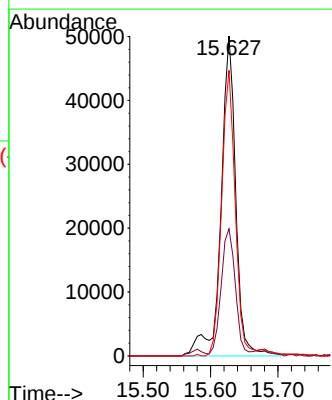
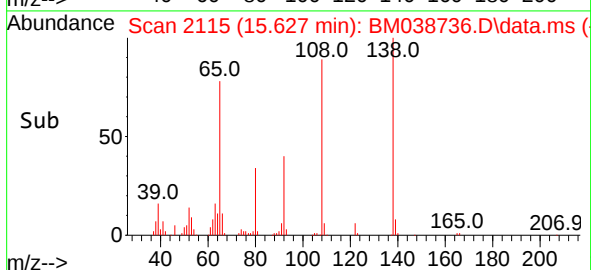
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

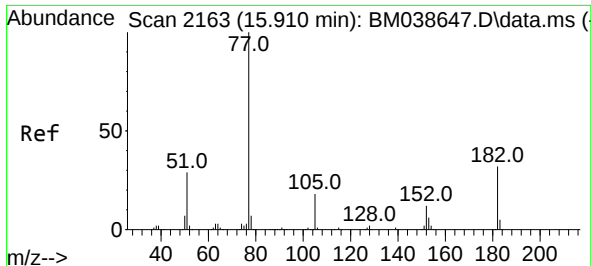


#62
4-Nitroaniline
Concen: 45.693 ng m
RT: 15.627 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48



Tgt Ion:138 Resp: 76452
Ion Ratio Lower Upper
138 100
92 39.7 23.4 63.4
108 89.2 75.1 115.1





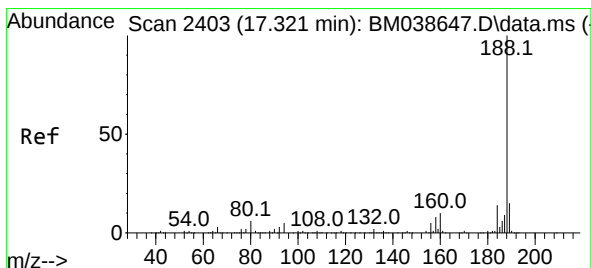
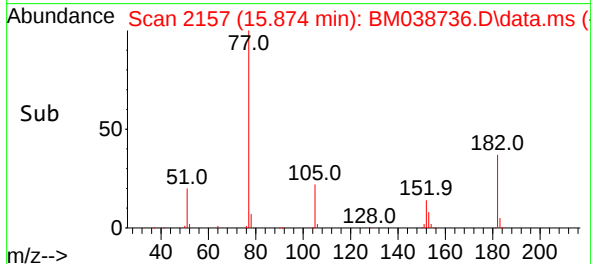
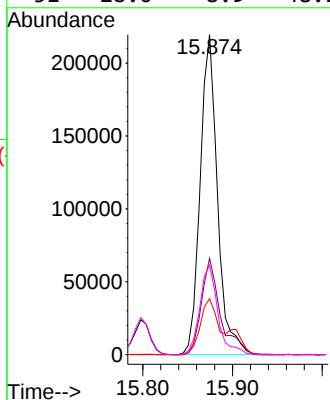
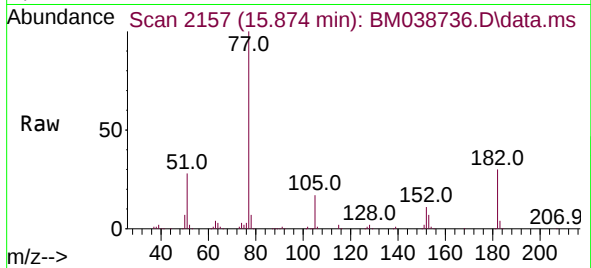
#63
Azobenzene
Concen: 52.454 ng
RT: 15.874 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Instrument :
BNA_M
ClientSampleId :
SOILMS

Tgt Ion: 77	Resp: 29353
Ion Ratio	Lower Upper
77 100	
182 30.1	12.0 52.0
105 17.5	0.0 37.5
51 28.0	8.9 48.9

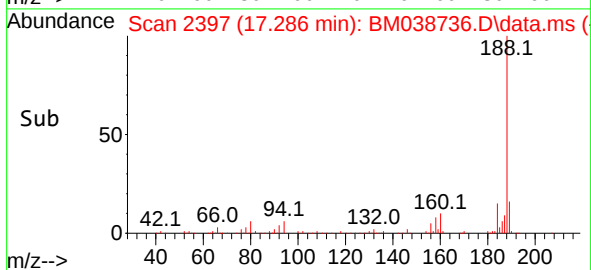
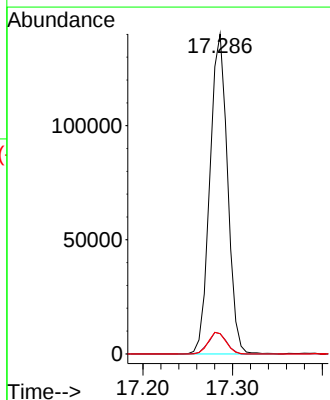
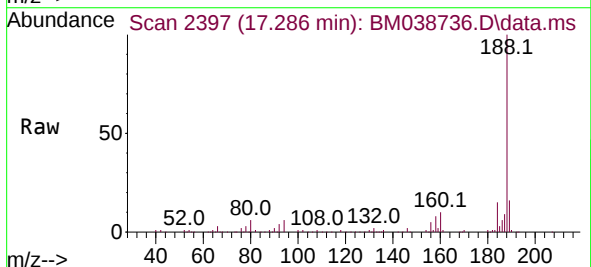
Manual Integrations
APPROVED

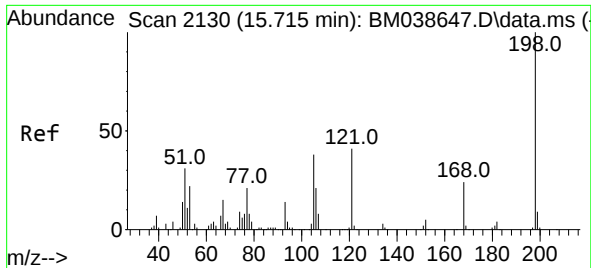
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2397
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:188	Resp: 191608
Ion Ratio	Lower Upper
188 100	
94 6.3	4.2 6.4
80 6.3	4.6 7.0





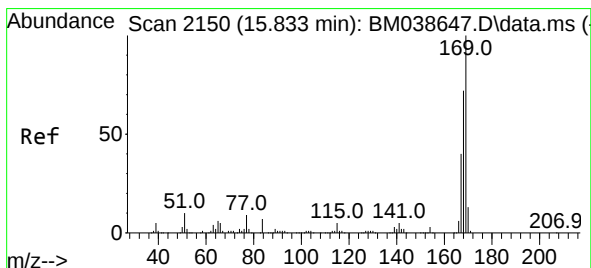
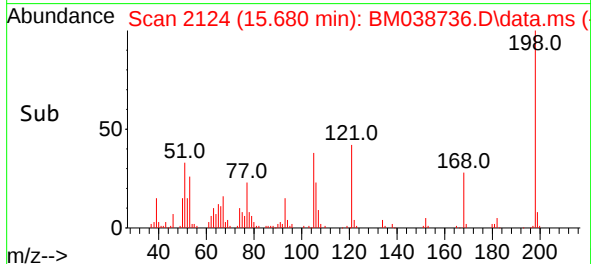
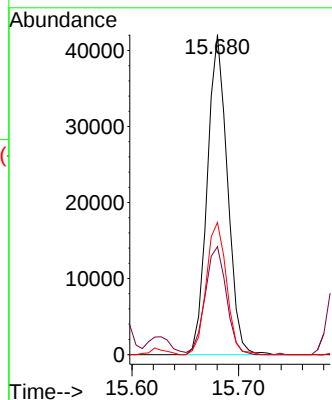
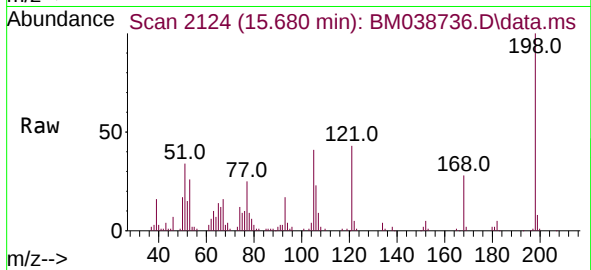
#65
4,6-Dinitro-2-methylphenol
Concen: 45.703 ng
RT: 15.680 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Instrument :
BNA_M
ClientSampleId :
SOILMS

Tgt Ion:198 Resp: 5512
Ion Ratio Lower Upper
198 100
51 33.7 13.0 53.0
105 41.3 17.9 57.9

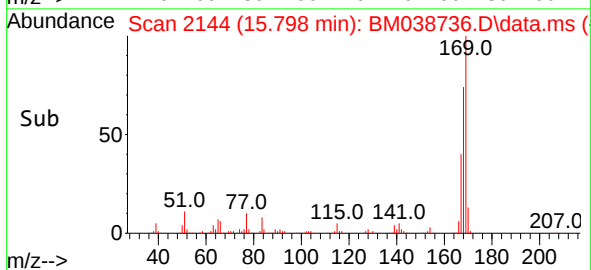
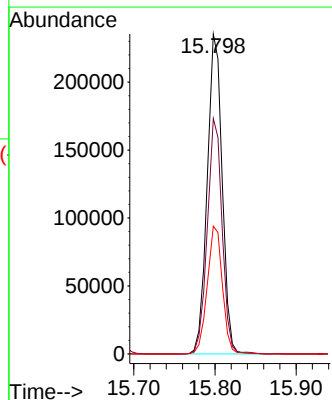
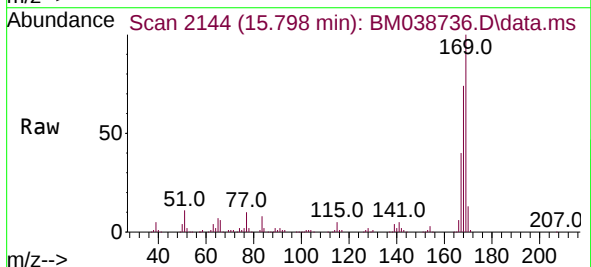
Manual Integrations
APPROVED

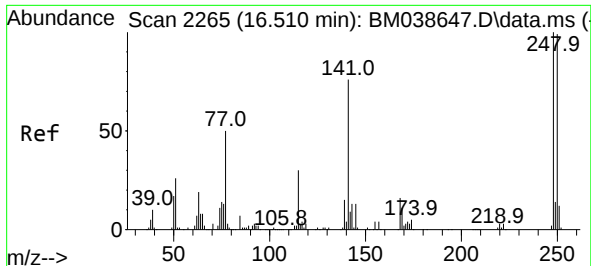
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#66
n-Nitrosodiphenylamine
Concen: 48.162 ng
RT: 15.798 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

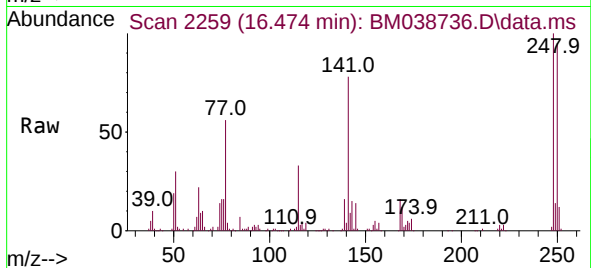
Tgt Ion:169 Resp: 301317
Ion Ratio Lower Upper
169 100
168 73.6 57.6 86.4
167 39.9 32.3 48.5





#67
4-Bromophenyl-phenylether
Concen: 47.618 ng
RT: 16.474 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

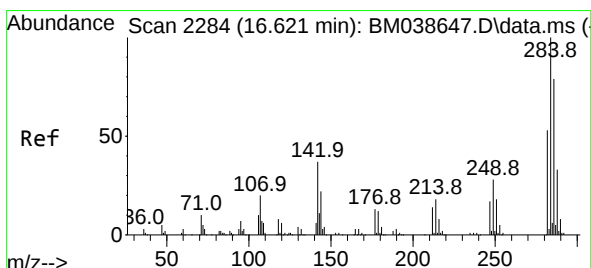
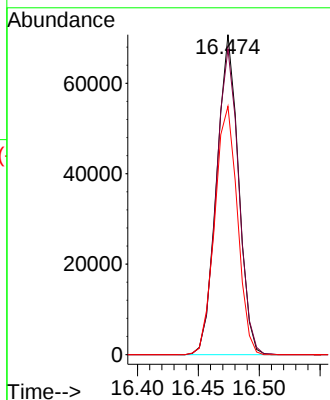
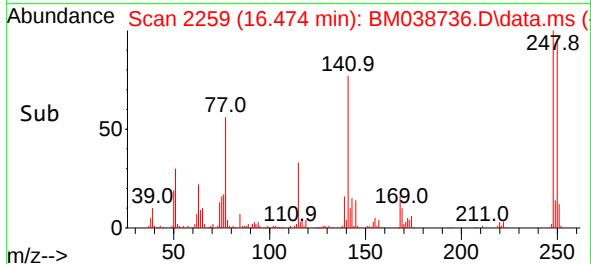
Instrument :
BNA_M
ClientSampleId :
SOILMS



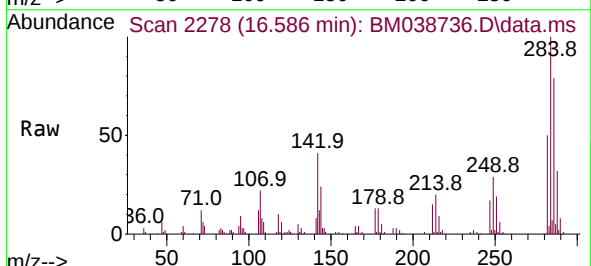
Tgt Ion:248 Resp: 88098
Ion Ratio Lower Upper
248 100
250 95.5 79.4 119.2
141 77.6 61.0 91.6

Manual Integrations
APPROVED

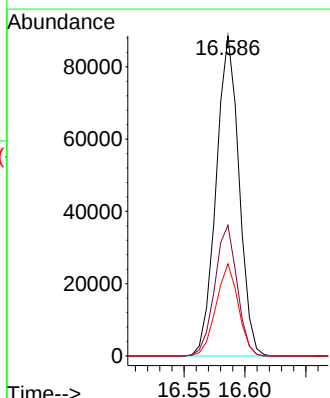
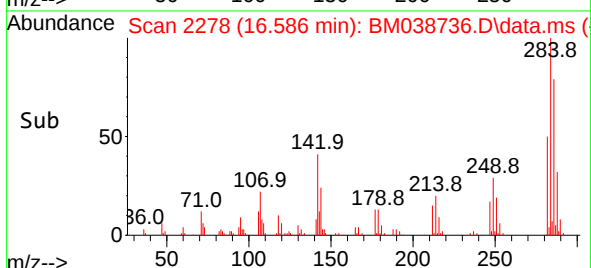
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

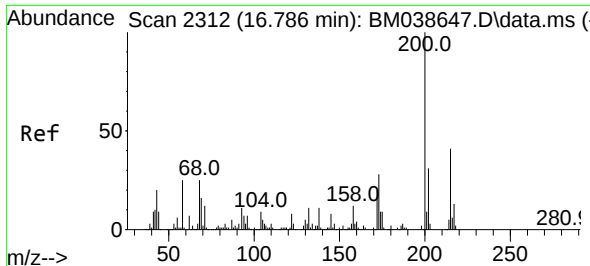


#68
Hexachlorobenzene
Concen: 51.210 ng
RT: 16.586 min Scan# 2278
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48



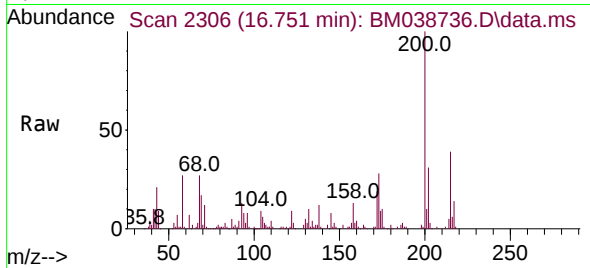
Tgt Ion:284 Resp: 115790
Ion Ratio Lower Upper
284 100
142 40.8 29.8 44.6
249 28.8 22.2 33.4





#69
Atrazine
Concen: 53.004 ng
RT: 16.751 min Scan# 2312
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

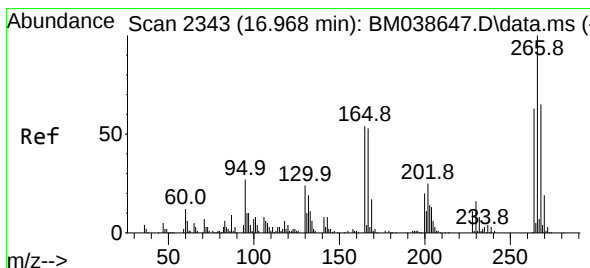
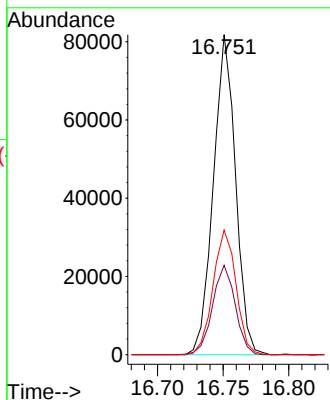
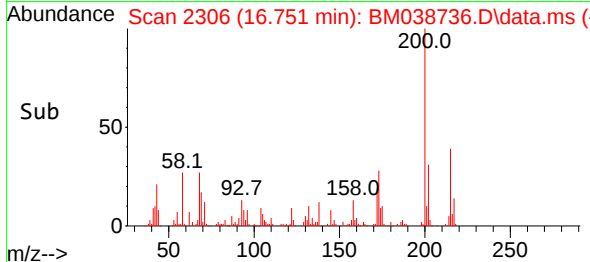
Instrument :
BNA_M
ClientSampleId :
SOILMS



Tgt Ion:200 Resp: 96112
Ion Ratio Lower Upper
200 100
173 27.9 7.9 47.9
215 38.9 20.8 60.8

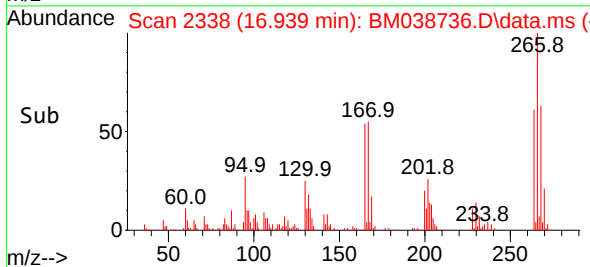
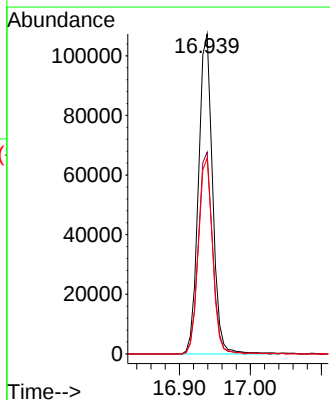
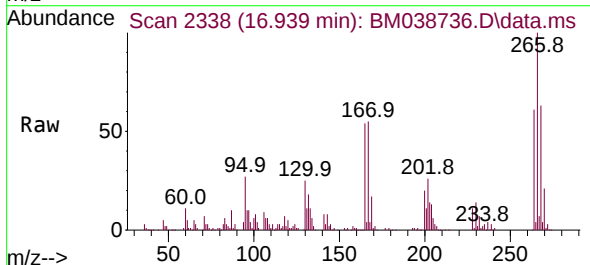
Manual Integrations
APPROVED

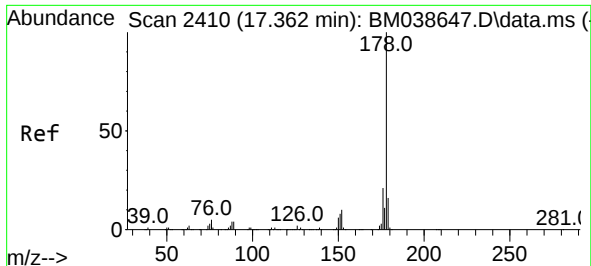
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#70
Pentachlorophenol
Concen: 89.226 ng
RT: 16.939 min Scan# 2338
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

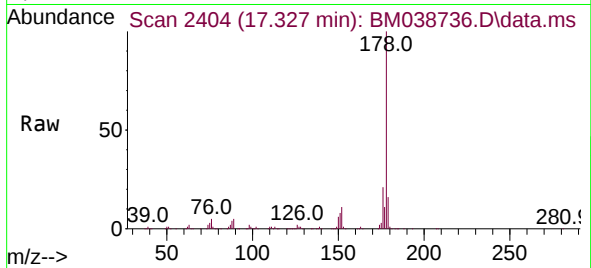
Tgt Ion:266 Resp: 147067
Ion Ratio Lower Upper
266 100
268 63.0 51.8 77.6
264 61.2 50.6 76.0





#71
Phenanthrene
Concen: 48.851 ng
RT: 17.327 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

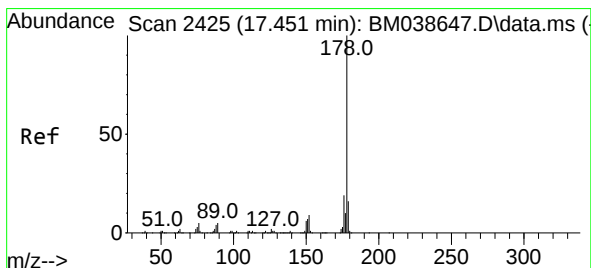
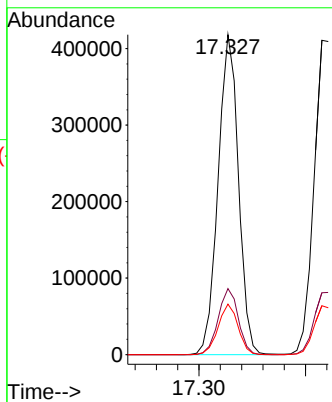
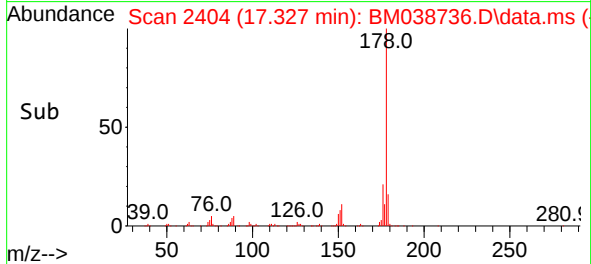
Instrument :
BNA_M
ClientSampleId :
SOILMS



Tgt Ion:178 Resp: 555782
Ion Ratio Lower Upper
178 100
176 20.6 16.7 25.1
179 15.8 12.5 18.7

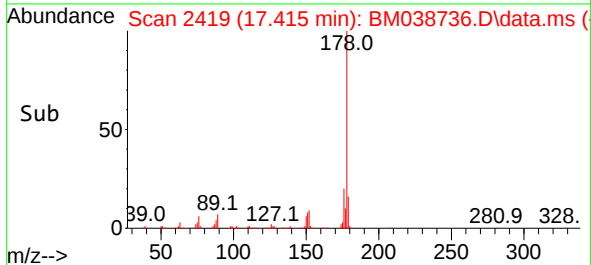
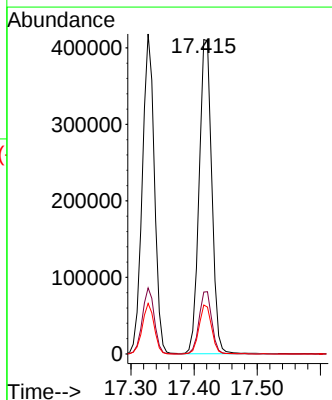
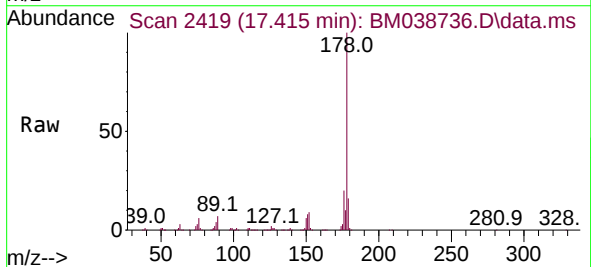
Manual Integrations
APPROVED

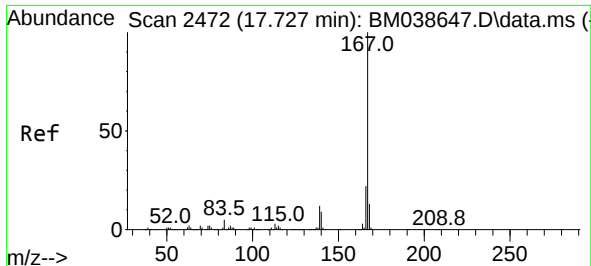
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#72
Anthracene
Concen: 49.146 ng
RT: 17.415 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

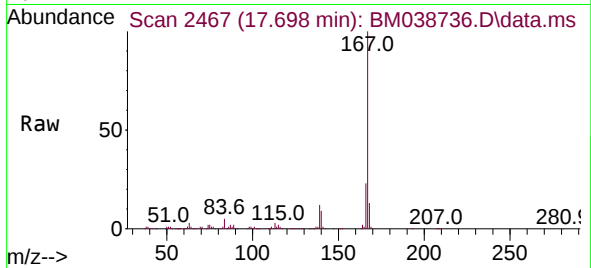
Tgt Ion:178 Resp: 572005
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.6 12.4 18.6





#73
 Carbazole
 Concen: 51.009 ng
 RT: 17.698 min Scan# 2472
 Delta R.T. 0.000 min
 Lab File: BM038736.D
 Acq: 14 Feb 2023 18:48

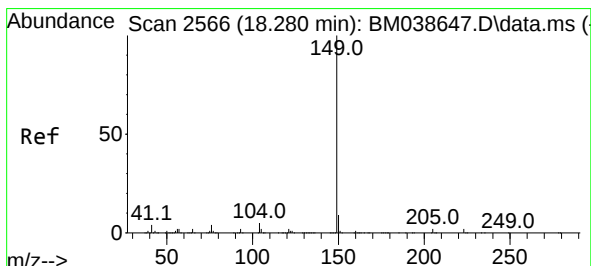
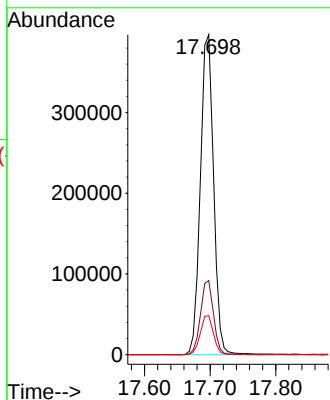
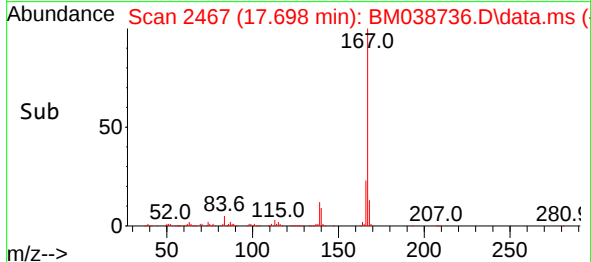
Instrument :
 BNA_M
 ClientSampleId :
 SOILMS



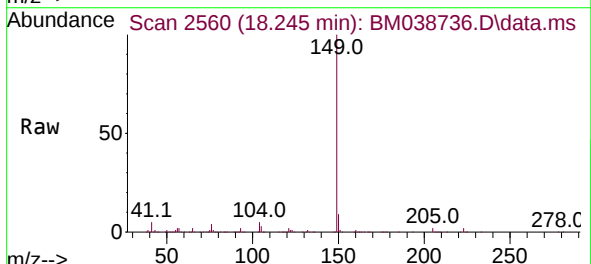
Tgt Ion:167 Resp: 553691
 Ion Ratio Lower Upper
 167 100
 166 23.1 17.8 26.6
 139 12.2 9.4 14.2

Manual Integrations
 APPROVED

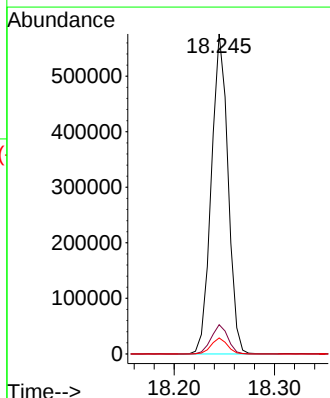
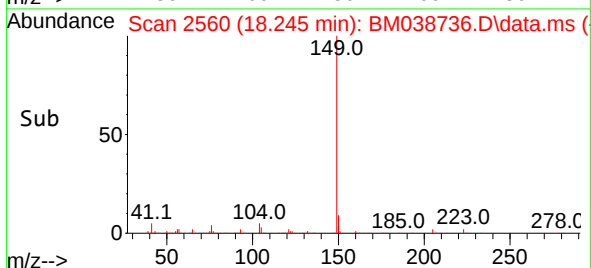
Reviewed By :Christian Giraldo 02/15/2023
 Supervised By :Jagrut Upadhyay 02/17/2023

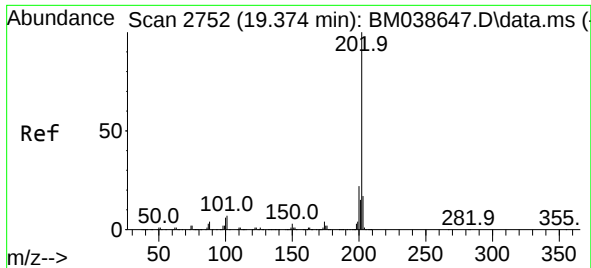


#74
 Di-n-butylphthalate
 Concen: 54.412 ng
 RT: 18.245 min Scan# 2560
 Delta R.T. 0.000 min
 Lab File: BM038736.D
 Acq: 14 Feb 2023 18:48



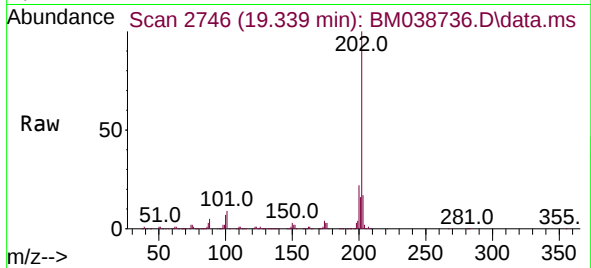
Tgt Ion:149 Resp: 667290
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.0 3.8 5.6





#75
Fluoranthene
Concen: 50.699 ng
RT: 19.339 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

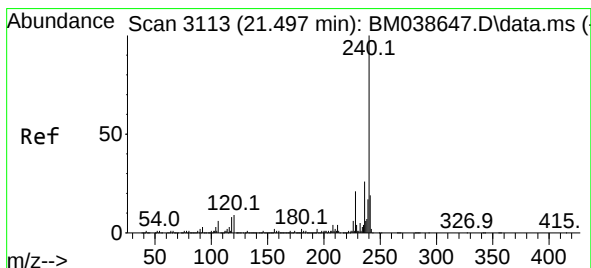
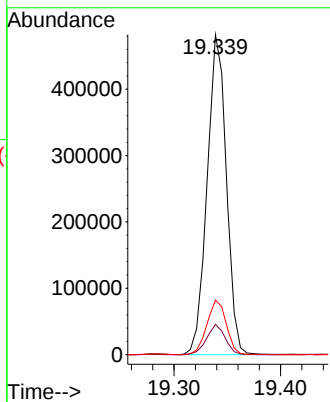
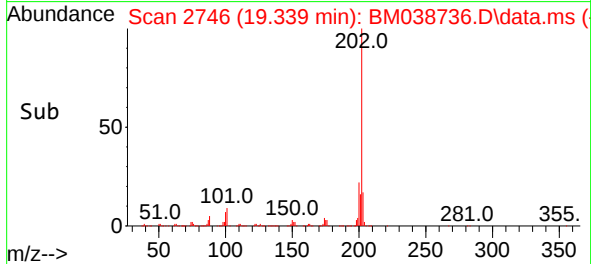
Instrument :
BNA_M
ClientSampleId :
SOILMS



Tgt Ion:202 Resp: 605623
Ion Ratio Lower Upper
202 100
101 9.4 0.0 27.4
203 17.0 0.0 37.3

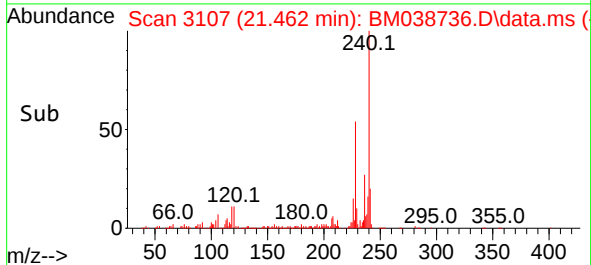
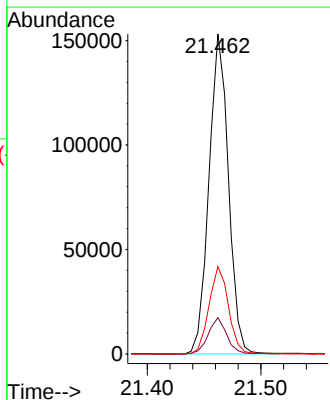
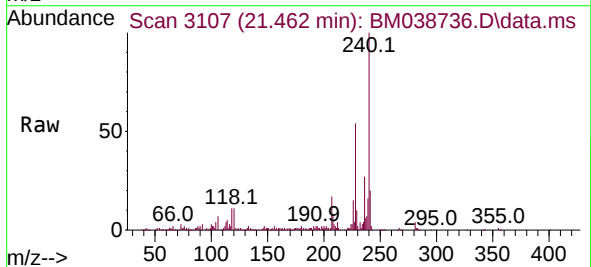
Manual Integrations
APPROVED

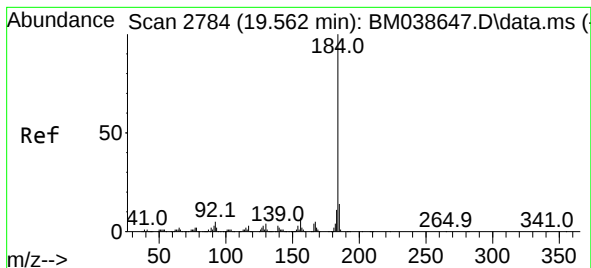
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:240 Resp: 182212
Ion Ratio Lower Upper
240 100
120 11.3 7.0 10.4#
236 27.3 20.9 31.3





#77

Benzidine

Concen: 64.592 ng

RT: 19.533 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

Tgt Ion:184 Resp: 359898

Ion Ratio Lower Upper

184 100

185 14.4 10.8 16.2

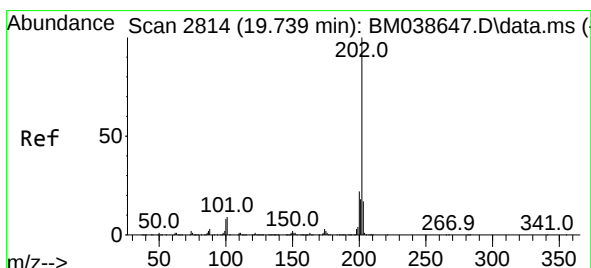
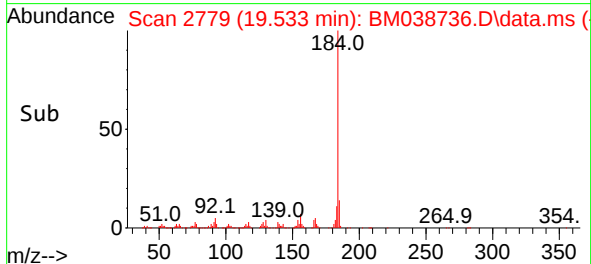
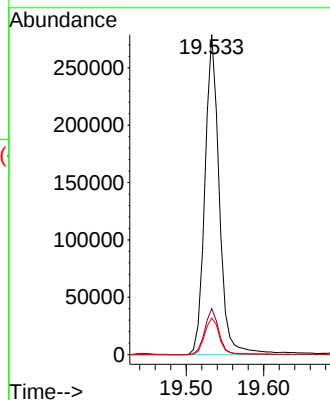
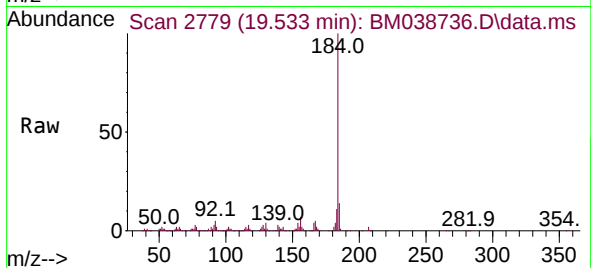
183 11.4 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/15/2023

Supervised By :Jagrut Upadhyay 02/17/2023



#78

Pyrene

Concen: 46.109 ng

RT: 19.703 min Scan# 2808

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

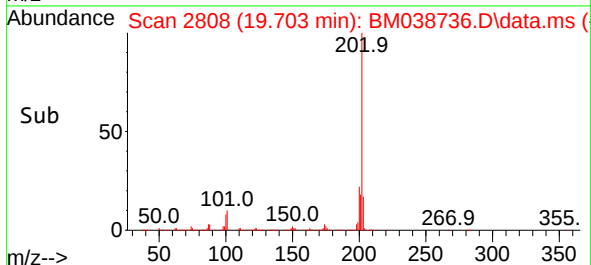
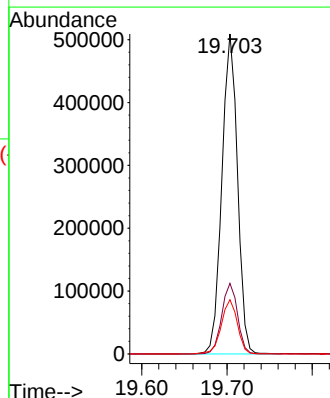
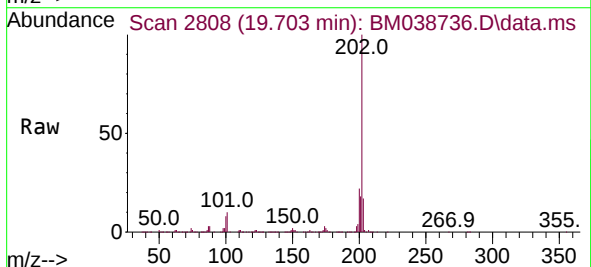
Tgt Ion:202 Resp: 646840

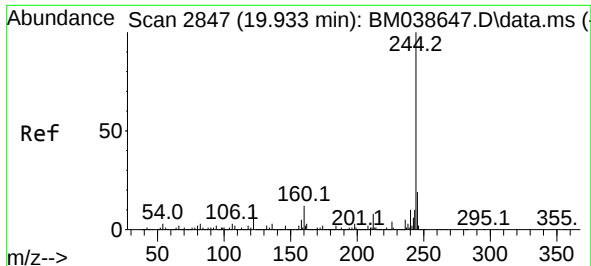
Ion Ratio Lower Upper

202 100

200 22.0 17.8 26.6

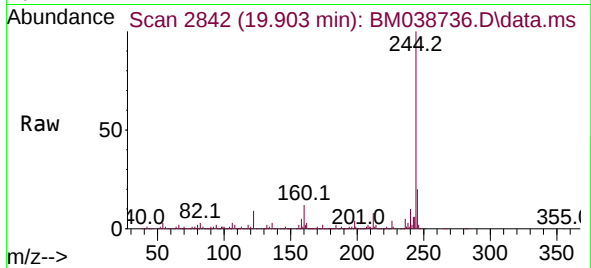
203 16.9 13.5 20.3





#79
 Terphenyl-d14
 Concen: 62.733 ng
 RT: 19.903 min Scan# 2847
 Delta R.T. 0.000 min
 Lab File: BM038736.D
 Acq: 14 Feb 2023 18:48

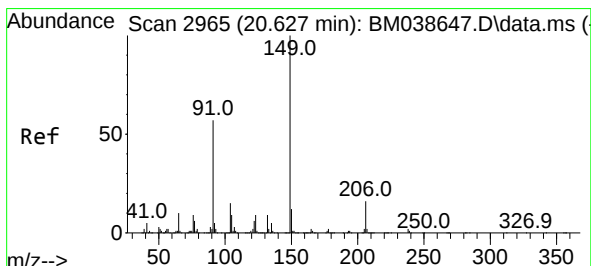
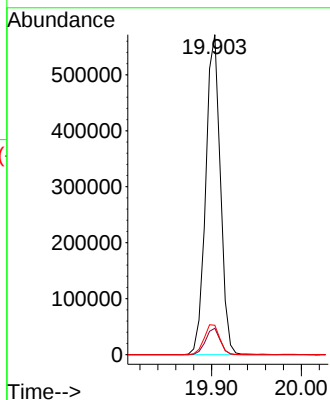
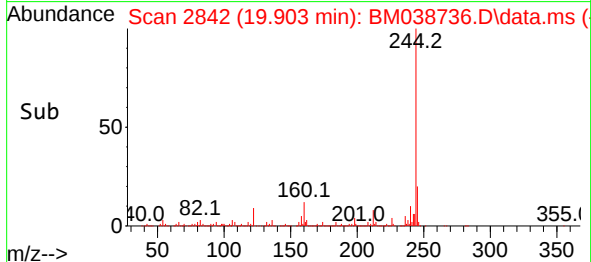
Instrument :
 BNA_M
 ClientSampleId :
 SOILMS



Tgt Ion:244 Resp: 64775
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 9.8
 122 9.2 7.8 11.8

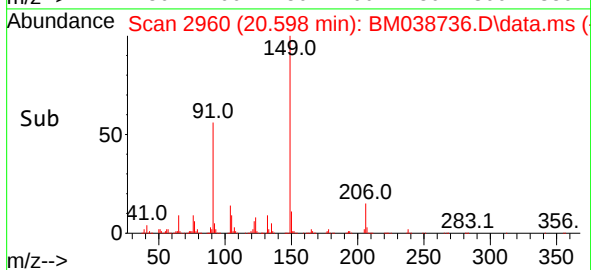
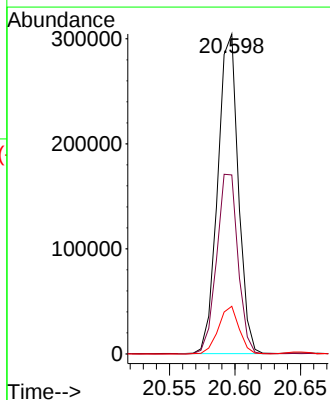
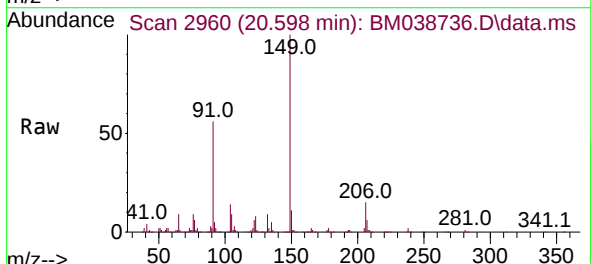
Manual Integrations
 APPROVED

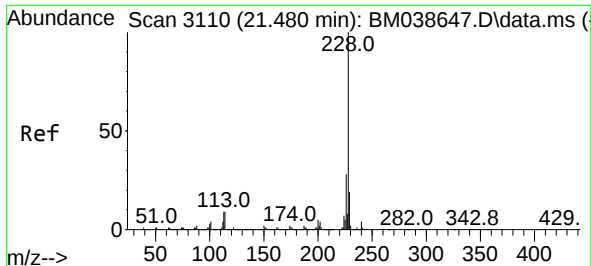
Reviewed By :Christian Giraldo 02/15/2023
 Supervised By :Jagrut Upadhyay 02/17/2023



#80
 Butylbenzylphthalate
 Concen: 47.697 ng
 RT: 20.598 min Scan# 2960
 Delta R.T. 0.006 min
 Lab File: BM038736.D
 Acq: 14 Feb 2023 18:48

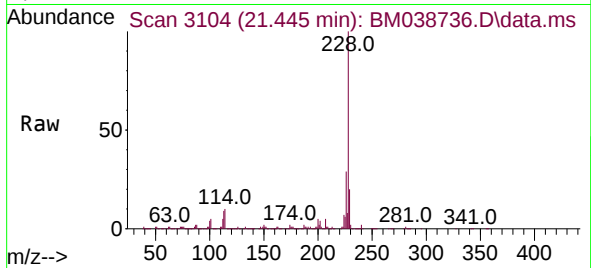
Tgt Ion:149 Resp: 333022
 Ion Ratio Lower Upper
 149 100
 91 55.9 45.6 68.4
 206 14.9 12.5 18.7





#81
Benzo(a)anthracene
Concen: 49.704 ng
RT: 21.445 min Scan# 3110
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

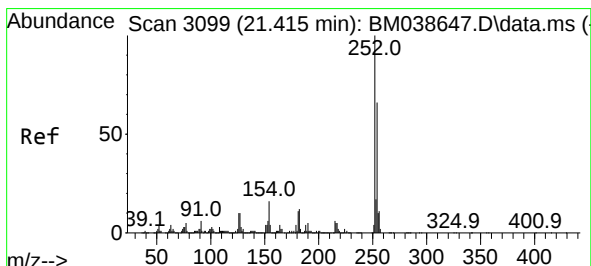
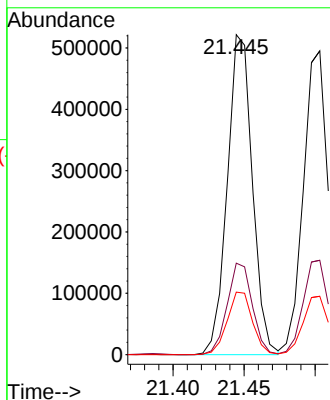
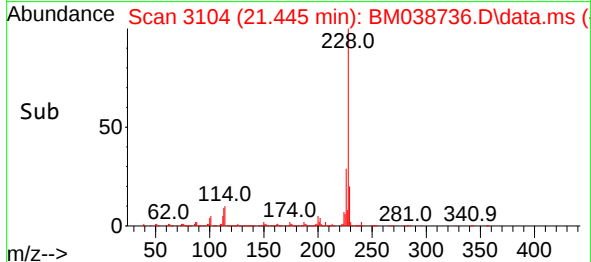
Instrument :
BNA_M
ClientSampleId :
SOILMS



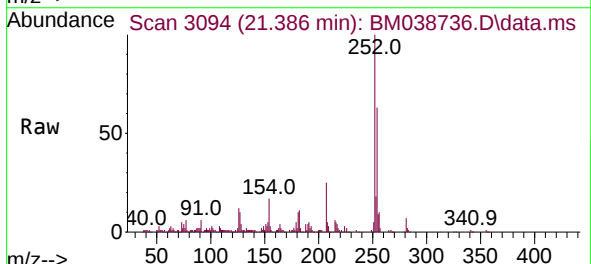
Tgt Ion:228 Resp: 640635
Ion Ratio Lower Upper
228 100
226 28.6 22.2 33.4
229 19.5 15.5 23.3

Manual Integrations
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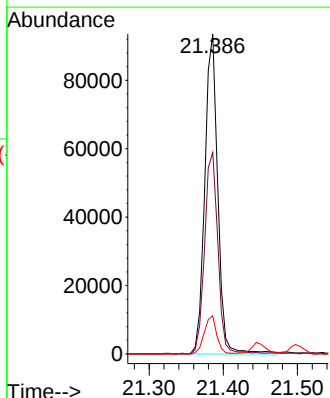
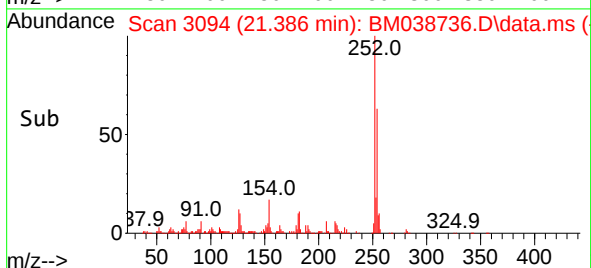
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023

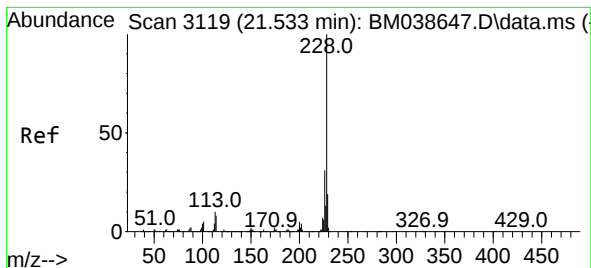


#82
3,3'-Dichlorobenzidine
Concen: 25.566 ng
RT: 21.386 min Scan# 3094
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48



Tgt Ion:252 Resp: 113366
Ion Ratio Lower Upper
252 100
254 62.9 52.8 79.2
126 11.9 8.2 12.2





#83

Chrysene

Concen: 48.534 ng

RT: 21.503 min Scan# 3119

Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

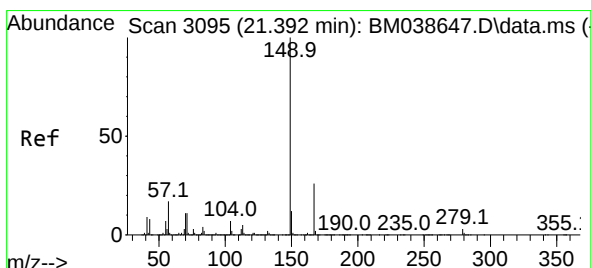
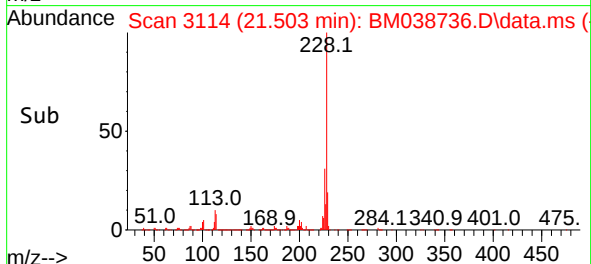
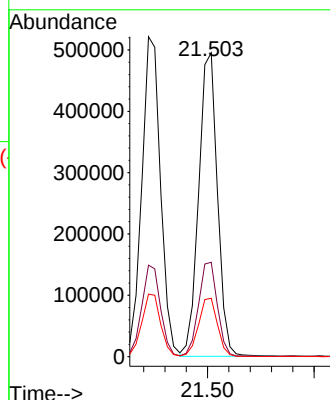
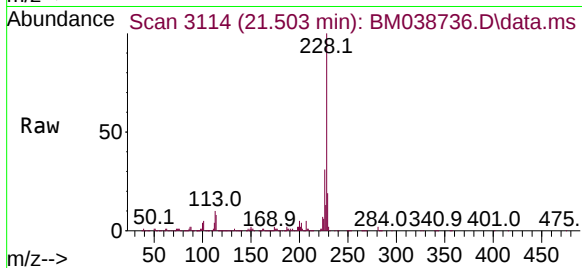
SOILMS

Tgt Ion:228 Resp: 602727
 Ion Ratio Lower Upper
 228 100
 226 31.0 24.7 37.1
 229 19.2 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/15/2023
 Supervised By :Jagrut Upadhyay 02/17/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.480 ng

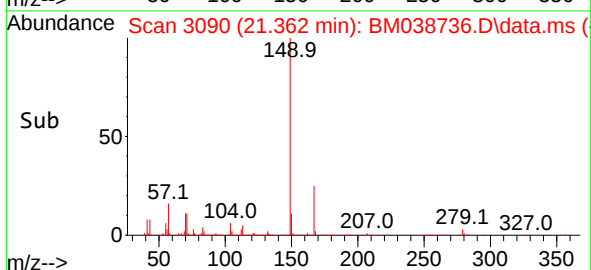
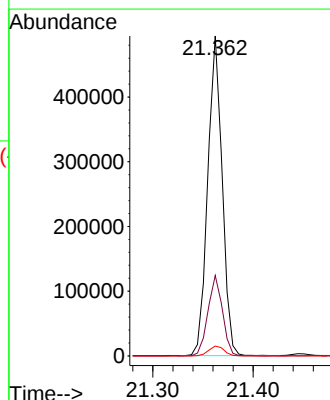
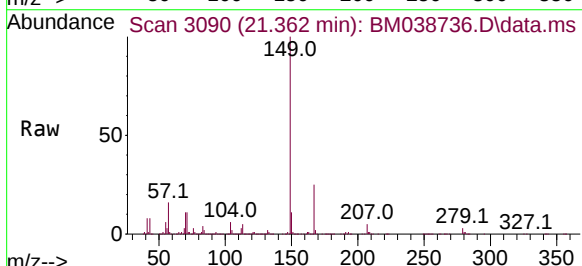
RT: 21.362 min Scan# 3090

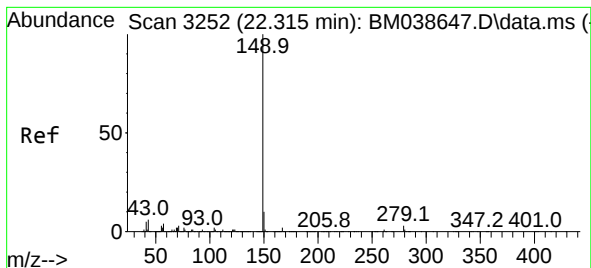
Delta R.T. 0.000 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Tgt Ion:149 Resp: 492833
 Ion Ratio Lower Upper
 149 100
 167 25.1 20.8 31.2
 279 3.1 2.5 3.7





#85

Di-n-octyl phthalate

Concen: 53.621 ng

RT: 22.280 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

Tgt Ion:149 Resp: 885434

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

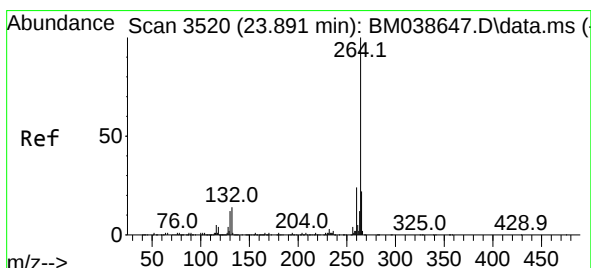
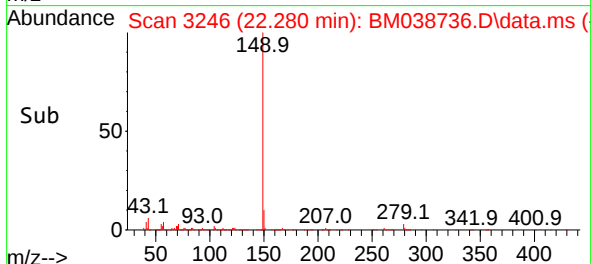
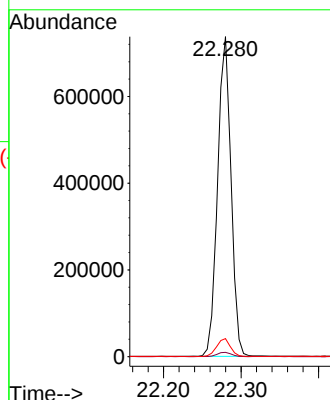
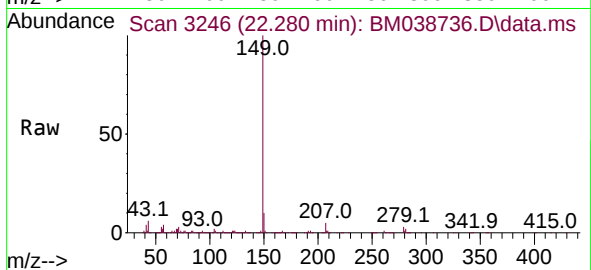
43 5.8 4.6 6.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/15/2023

Supervised By :Jagrut Upadhyay 02/17/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.844 min Scan# 3512

Delta R.T. 0.006 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

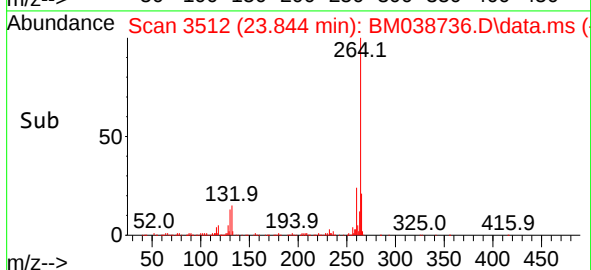
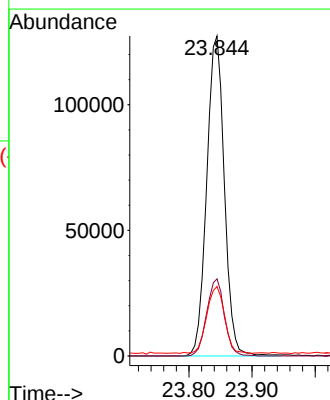
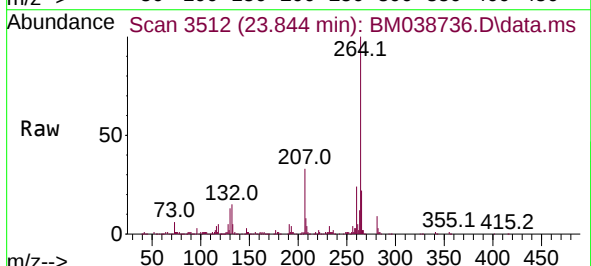
Tgt Ion:264 Resp: 246889

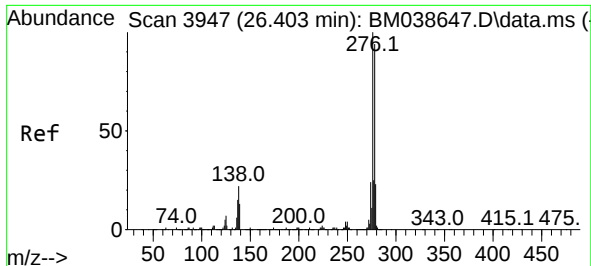
Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

265 21.7 17.9 26.9





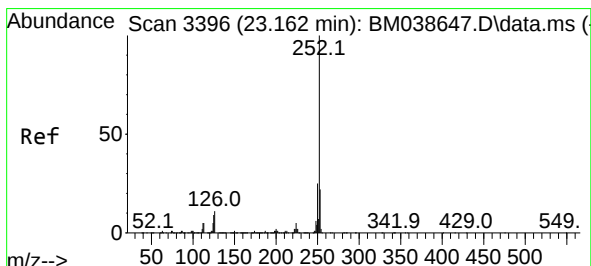
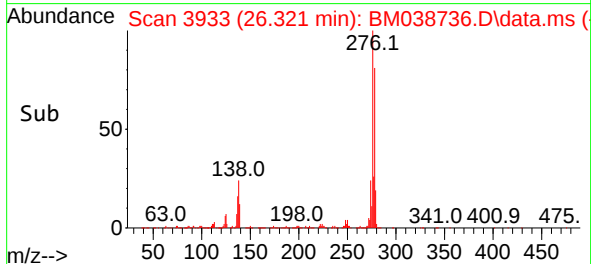
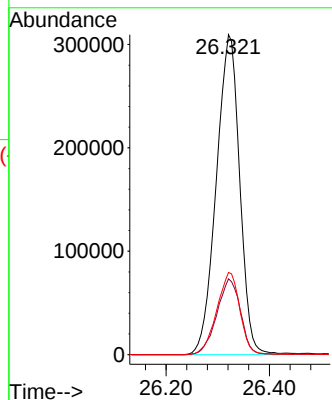
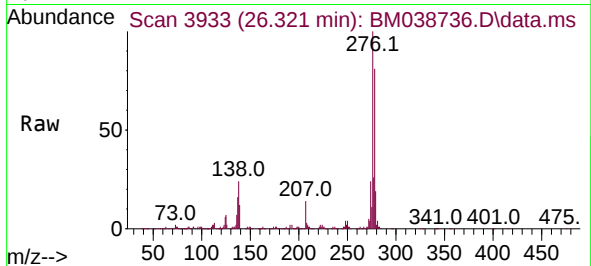
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.092 ng
RT: 26.321 min Scan# 3947
Delta R.T. 0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Instrument :
BNA_M
ClientSampleId :
SOILMS

Tgt Ion:276 Resp: 974112
Ion Ratio Lower Upper
276 100
138 24.0 17.2 25.8
277 25.4 20.2 30.4

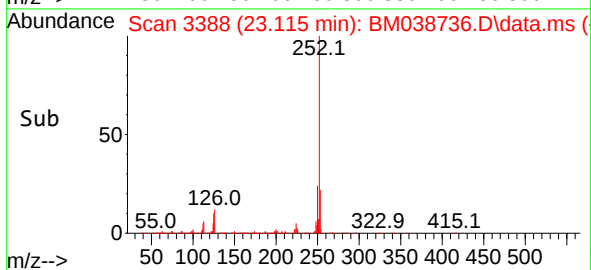
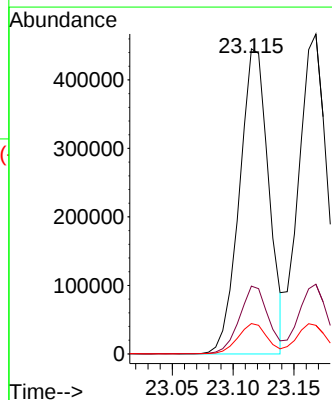
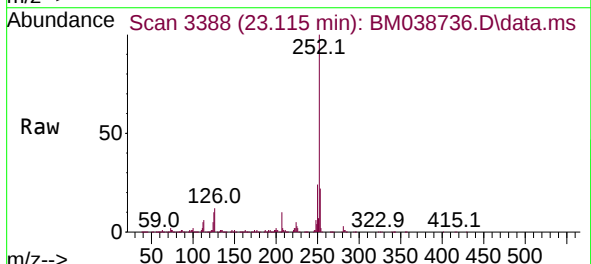
Manual Integrations
APPROVED

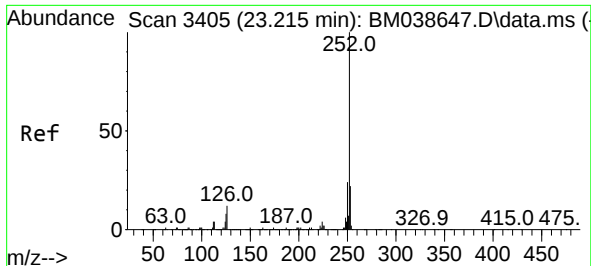
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#88
Benzo(b)fluoranthene
Concen: 50.564 ng
RT: 23.115 min Scan# 3388
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:252 Resp: 747717
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 9.9 7.0 10.6





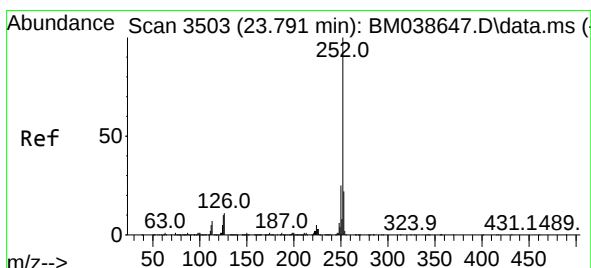
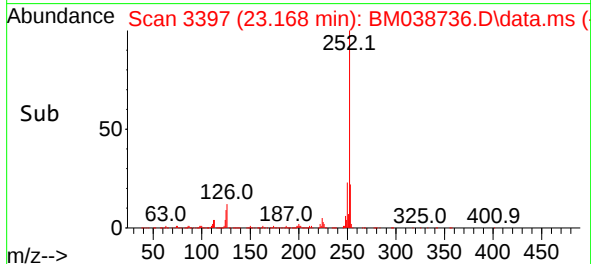
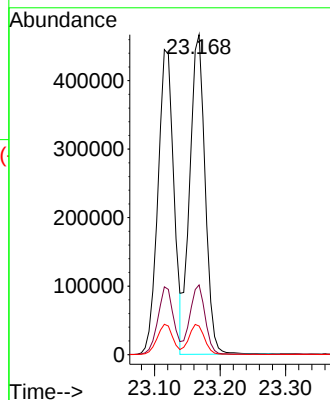
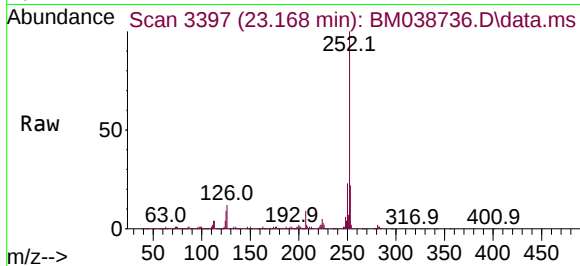
#89
Benzo(k)fluoranthene
Concen: 50.611 ng
RT: 23.168 min Scan# 331
Delta R.T. 0.006 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Instrument :
BNA_M
ClientSampleId :
SOILMS

Tgt Ion:252 Resp: 759992
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.0
125 8.9 6.6 9.8

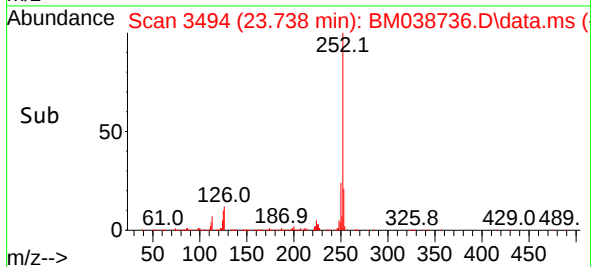
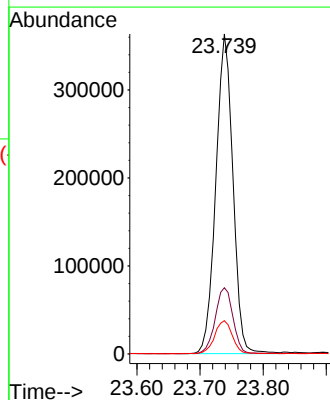
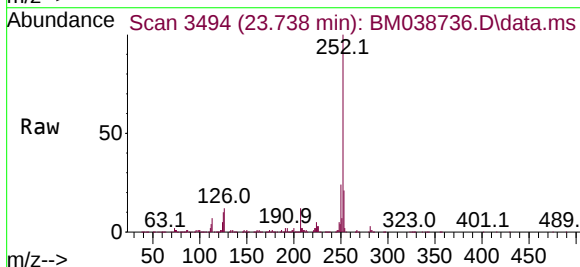
Manual Integrations
APPROVED

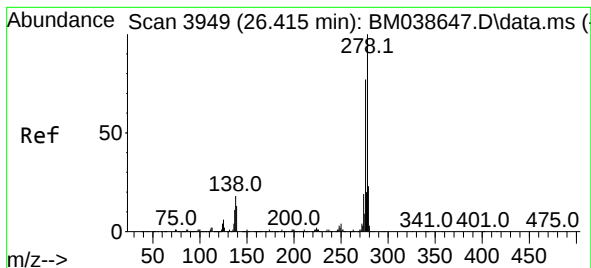
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#90
Benzo(a)pyrene
Concen: 46.650 ng
RT: 23.738 min Scan# 3494
Delta R.T. 0.000 min
Lab File: BM038736.D
Acq: 14 Feb 2023 18:48

Tgt Ion:252 Resp: 682192
Ion Ratio Lower Upper
252 100
253 20.7 17.7 26.5
125 10.4 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 50.434 ng

RT: 26.332 min Scan# 3949

Delta R.T. 0.006 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Instrument :

BNA_M

ClientSampleId :

SOILMS

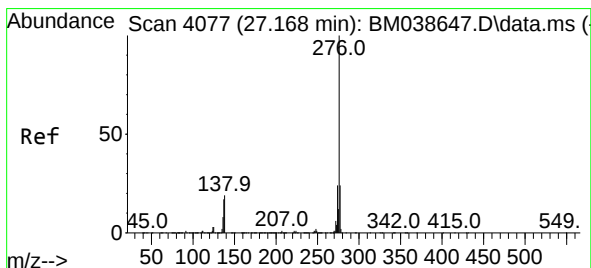
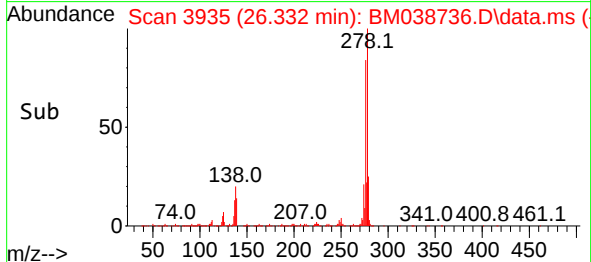
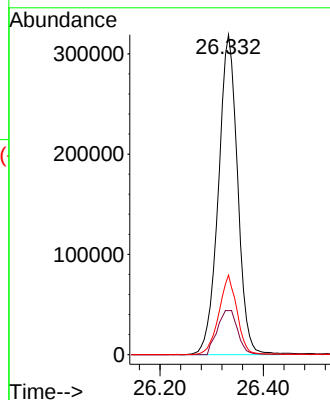
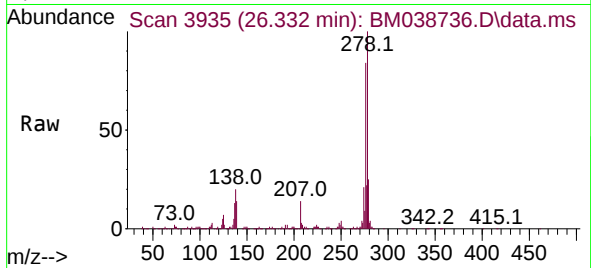
Tgt Ion:	278	Resp:	82515
Ion Ratio	Lower	Upper	
278	100		
139	13.7	10.5	15.7
279	24.8	18.7	28.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/15/2023

Supervised By :Jagrut Upadhyay 02/17/2023



#92

Benzo(g,h,i)perylene

Concen: 47.803 ng

RT: 27.085 min Scan# 4063

Delta R.T. 0.006 min

Lab File: BM038736.D

Acq: 14 Feb 2023 18:48

Tgt Ion:	276	Resp:	790591
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.1	28.7
138	19.7	15.3	22.9

