

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021423\
 Data File : BM038737.D
 Acq On : 14 Feb 2023 19:25
 Operator : CG/JU
 Sample : 01542-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOILMSD

Manual Integrations
 APPROVED

Reviewed By :Christian
 Giraldo

02/15/2023

Supervised By :Jagrut
 Upadhyay

02/17/2023

Quant Time: Feb 15 02:10:18 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	7.899	152	42131	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	144757	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	91016	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	176903	20.000	ng	0.00
76) Chrysene-d12	21.462	240	157861	20.000	ng	0.00
86) Perylene-d12	23.839	264	225090	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	262235	121.928	ng	0.00
7) Phenol-d6	7.075	99	300516	122.511	ng	0.00
23) Nitrobenzene-d5	9.075	82	176138	69.114	ng	0.00
42) 2,4,6-Tribromophenol	16.033	330	139082	112.425	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	469242	65.636	ng	0.00
79) Terphenyl-d14	19.904	244	552493	61.761	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.311	88	39403	41.557	ng	97
3) Pyridine	3.728	79	96015	42.585	ng	93
4) n-Nitrosodimethylamine	3.640	42	45311	44.517	ng	89
6) Aniline	7.234	93	70871	23.162	ng	93
8) 2-Chlorophenol	7.463	128	123214	52.502	ng	96
9) Benzaldehyde	7.040	77	53379	49.372	ng	90
10) Phenol	7.104	94	131990	53.262	ng	91
11) bis(2-Chloroethyl)ether	7.328	93	98838	49.250	ng	97
12) 1,3-Dichlorobenzene	7.787	146	156157	52.078	ng	97
13) 1,4-Dichlorobenzene	7.934	146	154742	51.135	ng	99
14) 1,2-Dichlorobenzene	8.251	146	149473	51.559	ng	100
15) Benzyl Alcohol	8.152	79	83826m	46.429	ng	
16) 2,2'-oxybis(1-Chloropr...	8.428	45	84220	44.305	ng	98
17) 2-Methylphenol	8.357	107	88964	46.803	ng	95
18) Hexachloroethane	8.975	117	51213	52.403	ng	94
19) n-Nitroso-di-n-propyla...	8.716	70	68043	46.019	ng	95
20) 3+4-Methylphenols	8.687	107	120018	47.357	ng	95
22) Acetophenone	8.734	105	156946	45.463	ng	98
24) Nitrobenzene	9.116	77	112704	43.570	ng	93
25) Isophorone	9.640	82	193967	43.447	ng	99
26) 2-Nitrophenol	9.828	139	71376	49.587	ng	96
27) 2,4-Dimethylphenol	9.887	122	104614	50.373	ng	94
28) bis(2-Chloroethoxy)met...	10.128	93	123529	45.276	ng	98
29) 2,4-Dichlorophenol	10.363	162	132703	44.976	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	136060	43.352	ng	99
31) Naphthalene	10.757	128	355577	47.868	ng	98
32) Benzoic acid	10.040	122	78184m	46.507	ng	
33) 4-Chloroaniline	10.887	127	22266	6.840	ng	93
34) Hexachlorobutadiene	11.028	225	69121	43.964	ng	97
35) Caprolactam	11.681	113	29125	45.835	ng	95
36) 4-Chloro-3-methylphenol	12.010	107	96817	44.377	ng	95
37) 2-Methylnaphthalene	12.369	142	260767	43.440	ng	99
38) 1-Methylnaphthalene	12.586	142	247013	43.669	ng	98
40) 1,2,4,5-Tetrachloroben...	12.734	216	111236	46.960	ng	# 97
41) Hexachlorocyclopentadiene	12.704	237	145876	99.244	ng	97
43) 2,4,6-Trichlorophenol	12.981	196	89413	48.048	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.057	196	94190	43.012	ng	95
46) 1,1'-Biphenyl	13.375	154	357100	49.530	ng	98
47) 2-Chloronaphthalene	13.422	162	286565	50.511	ng	98
48) 2-Nitroaniline	13.639	65	55024	43.203	ng	86
49) Acenaphthylene	14.263	152	437446	48.954	ng	98
50) Dimethylphthalate	14.004	163	340875	45.894	ng	100
51) 2,6-Dinitrotoluene	14.133	165	72615	48.102	ng	98
52) Acenaphthene	14.604	154	260243	48.775	ng	99
53) 3-Nitroaniline	14.463	138	28124	18.826	ng	97
54) 2,4-Dinitrophenol	14.675	184	88163	89.725	ng	92
55) Dibenzofuran	14.939	168	416159	45.294	ng	99
56) 4-Nitrophenol	14.780	139	127912	105.649	ng	92
57) 2,4-Dinitrotoluene	14.922	165	100058	45.024	ng	96
58) Fluorene	15.586	166	336387	46.271	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.169	232	72641	47.661	ng	99
60) Diethylphthalate	15.363	149	332737	47.288	ng	96
61) 4-Chlorophenyl-phenyle...	15.580	204	136515	44.263	ng	97
62) 4-Nitroaniline	15.627	138	69208m	42.877	ng	
63) Azobenzene	15.875	77	271685	50.186	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	49198	44.178	ng	94
66) n-Nitrosodiphenylamine	15.798	169	279079	48.315	ng	99
67) 4-Bromophenyl-phenylether	16.474	248	82144	48.091	ng	96
68) Hexachlorobenzene	16.586	284	107270	51.386	ng	97
69) Atrazine	16.751	200	88131	52.643	ng	98
70) Pentachlorophenol	16.939	266	130866	85.996	ng	98
71) Phenanthrene	17.327	178	510481	48.599	ng	99
72) Anthracene	17.416	178	515395	47.963	ng	99
73) Carbazole	17.692	167	500703	49.961	ng	99
74) Di-n-butylphthalate	18.245	149	590759	52.175	ng	100
75) Fluoranthene	19.339	202	527631	47.842	ng	98
77) Benzidine	19.533	184	313441	64.915	ng	99
78) Pyrene	19.704	202	562019	46.242	ng	100
80) Butylbenzylphthalate	20.592	149	275059	45.563	ng	96
81) Benzo(a)anthracene	21.445	228	544380	48.751	ng	100
82) 3,3'-Dichlorobenzidine	21.386	252	106801	27.800	ng	96
83) Chrysene	21.498	228	512513	47.636	ng	99
84) Bis(2-ethylhexyl)phtha...	21.362	149	400352	45.551	ng	98
85) Di-n-octyl phthalate	22.280	149	719394	50.286	ng	100
87) Indeno(1,2,3-cd)pyrene	26.321	276	937579	52.882	ng	98
88) Benzo(b)fluoranthene	23.115	252	668687	49.599	ng	98
89) Benzo(k)fluoranthene	23.168	252	673409	49.188	ng	99
90) Benzo(a)pyrene	23.739	252	617667	46.328	ng	99
91) Dibenzo(a,h)anthracene	26.333	278	795583	53.336	ng	99
92) Benzo(g,h,i)perylene	27.080	276	762573	50.575	ng	98

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

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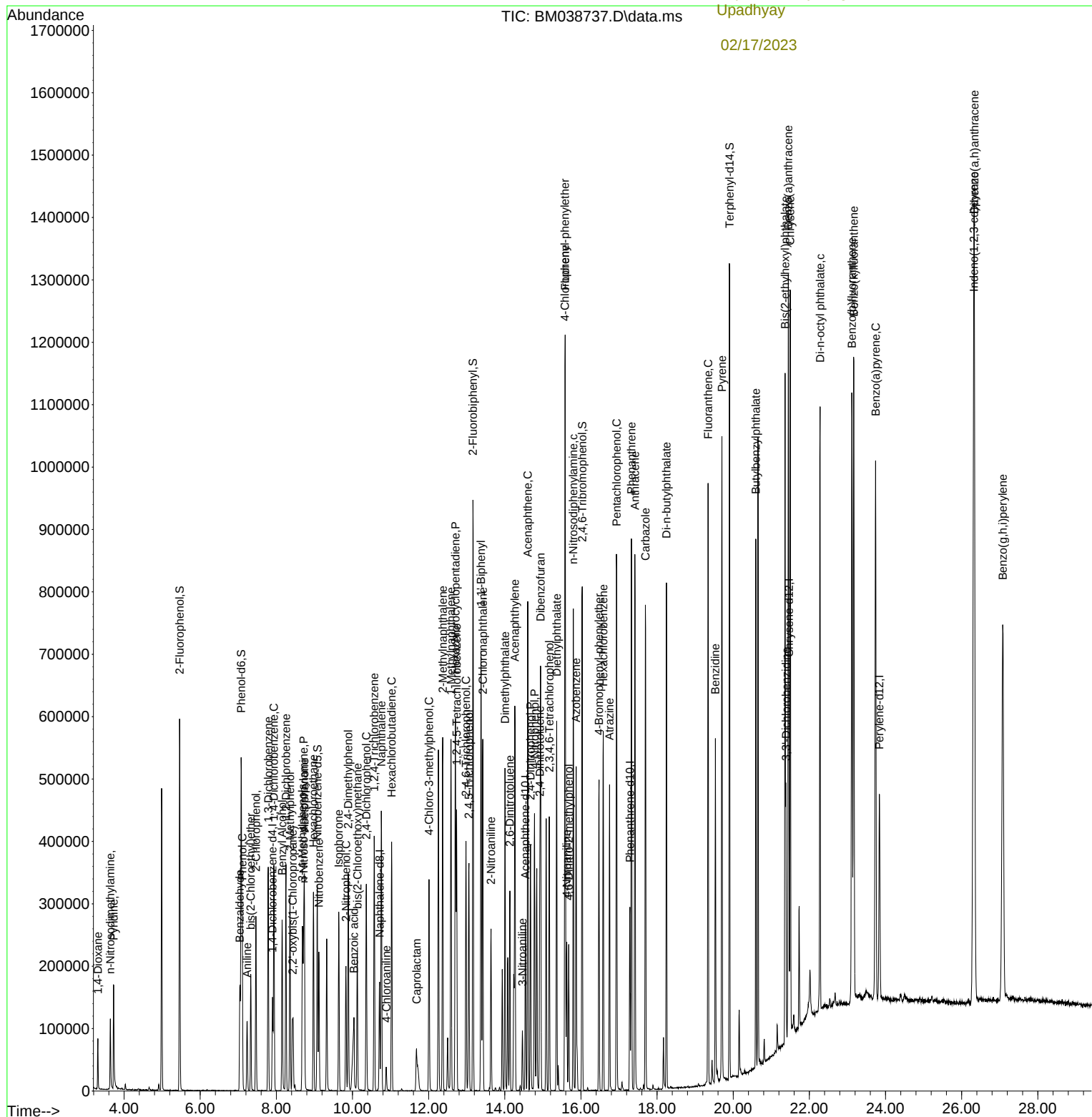
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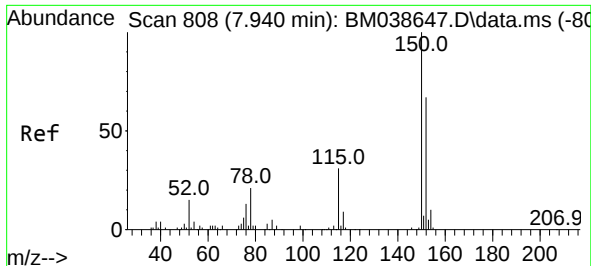
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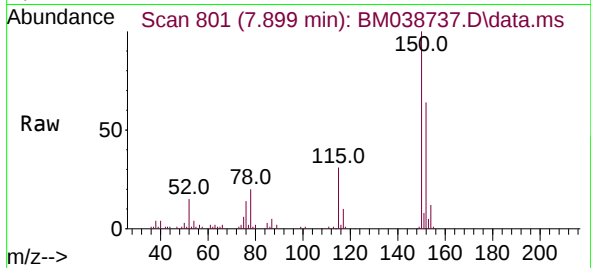
02/17/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.899 min Scan# 80
Delta R.T. 0.001 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

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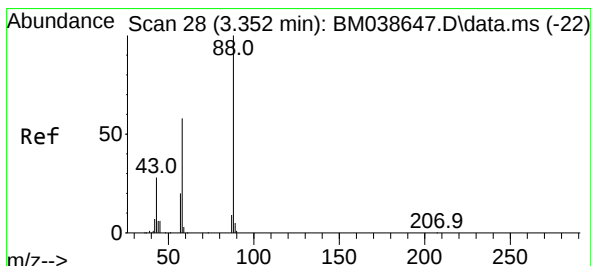
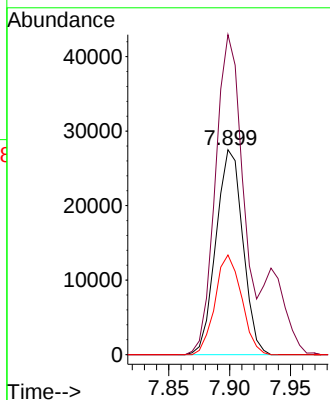
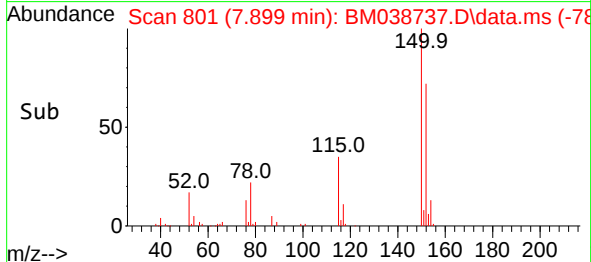
Tgt Ion: 152 Resp: 4213
Ion Ratio Lower Upper
152 100
150 156.2 119.5 179.3
115 48.6 37.6 56.4

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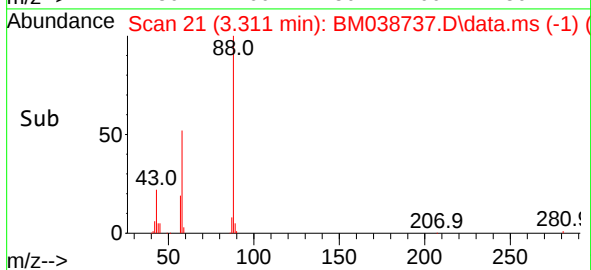
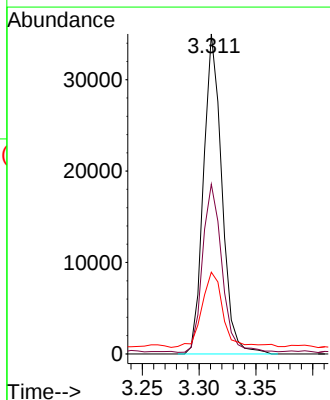
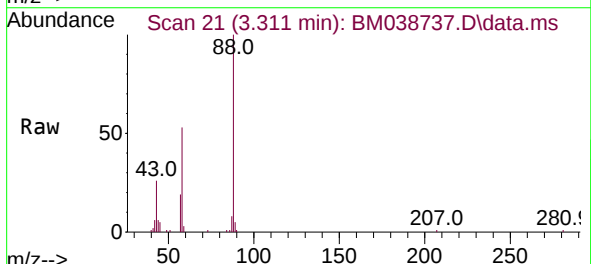
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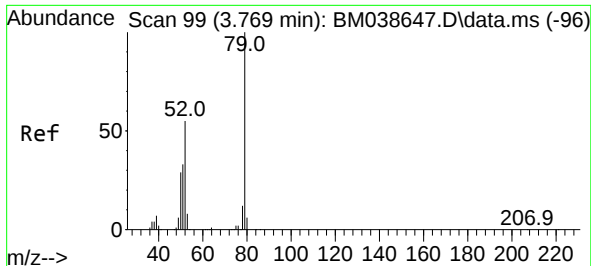
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#2
1,4-Dioxane
Concen: 41.557 ng
RT: 3.311 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

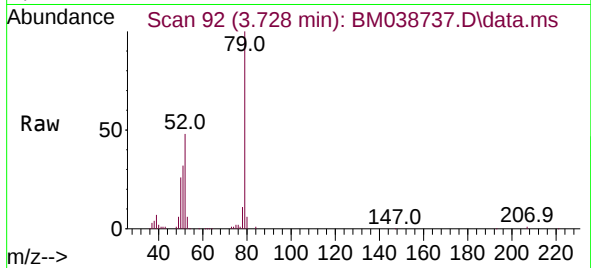
Tgt Ion: 88 Resp: 39403
Ion Ratio Lower Upper
88 100
58 55.6 47.0 70.4
43 27.3 22.6 33.8





#3
Pyridine
Concen: 42.585 ng
RT: 3.728 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
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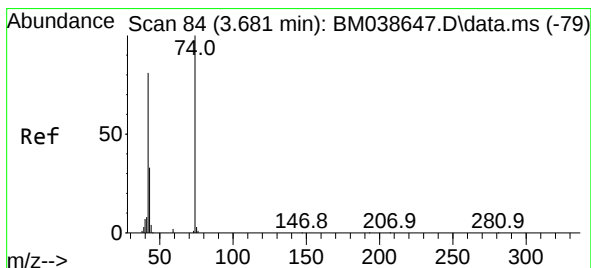
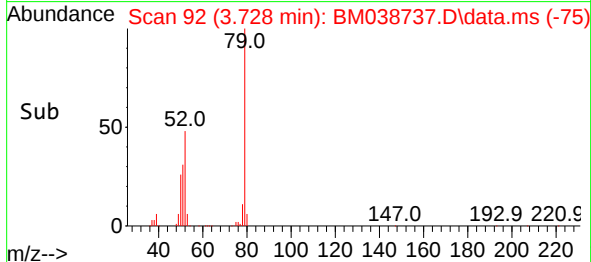
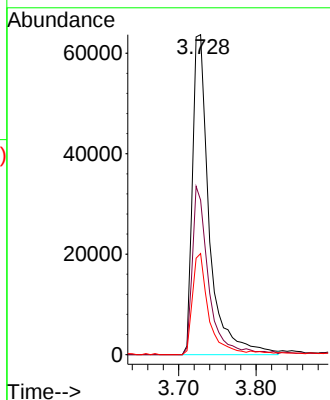
Tgt Ion: 79 Resp: 96015
Ion Ratio Lower Upper
79 100
52 48.3 43.7 65.5
51 31.6 26.6 40.0

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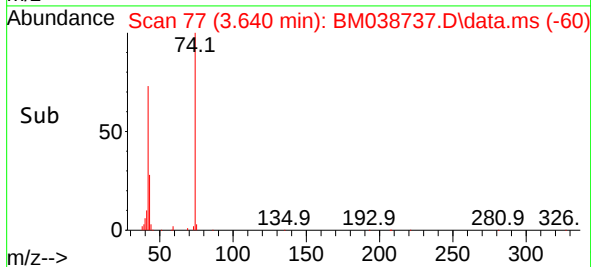
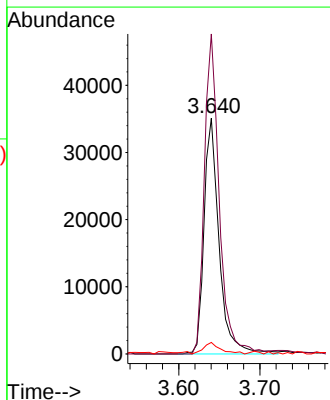
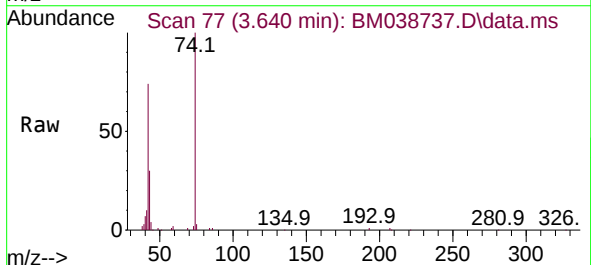
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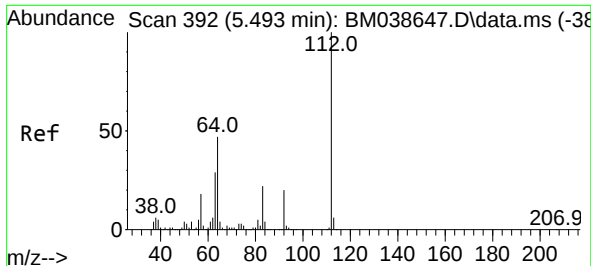
02/17/2023



#4
n-Nitrosodimethylamine
Concen: 44.517 ng
RT: 3.640 min Scan# 77
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

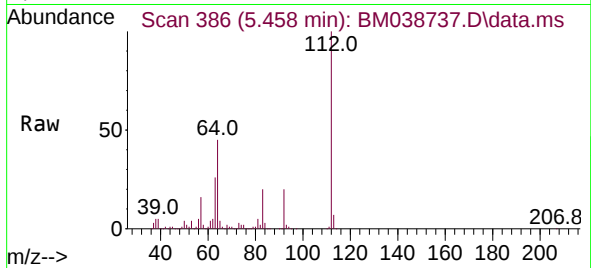
Tgt Ion: 42 Resp: 45311
Ion Ratio Lower Upper
42 100
74 135.9 98.4 147.6
44 4.9 3.5 5.3





#5
2-Fluorophenol
Concen: 121.928 ng
RT: 5.458 min Scan# 386
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

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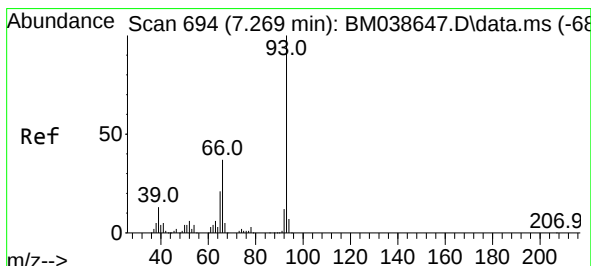
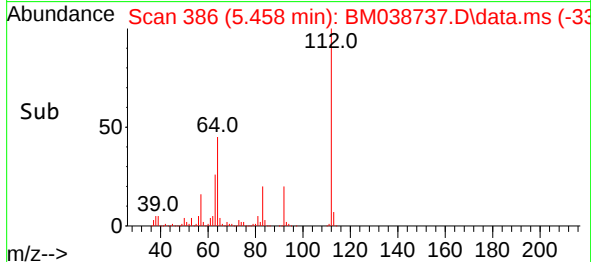
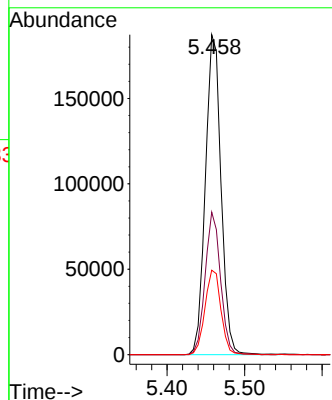
Tgt Ion: 112 Resp: 262235
Ion Ratio Lower Upper
112 100
64 44.5 37.9 56.9
63 26.4 23.3 34.9

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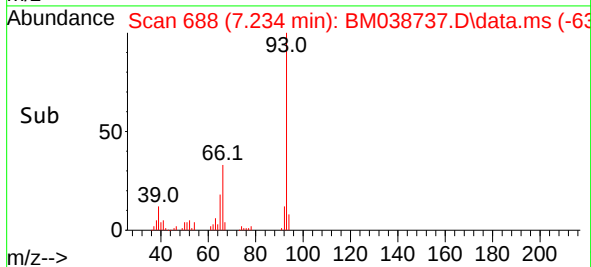
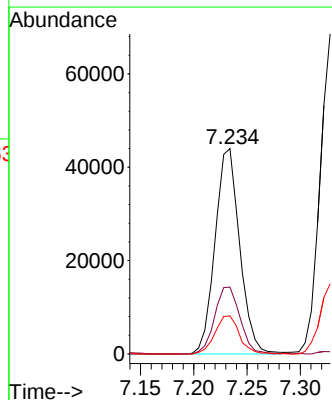
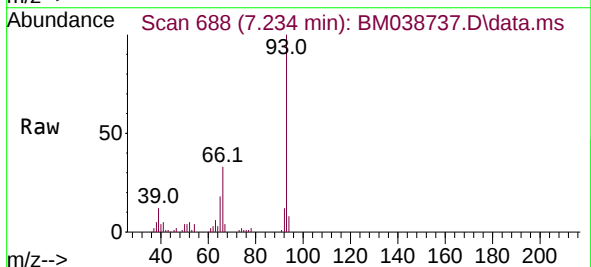
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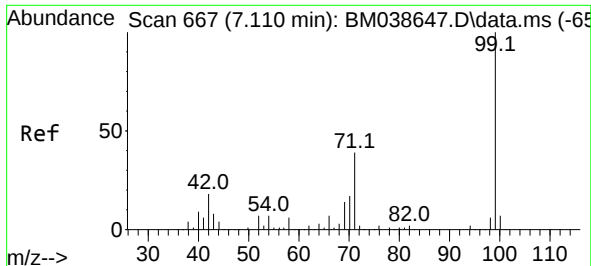
02/17/2023



#6
Aniline
Concen: 23.162 ng
RT: 7.234 min Scan# 688
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

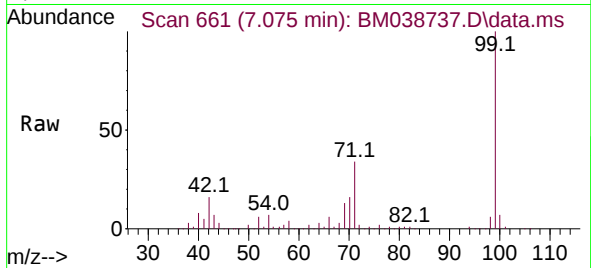
Tgt Ion: 93 Resp: 70871
Ion Ratio Lower Upper
93 100
66 32.5 29.8 44.8
65 18.5 16.9 25.3





#7
Phenol-d6
Concen: 122.511 ng
RT: 7.075 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

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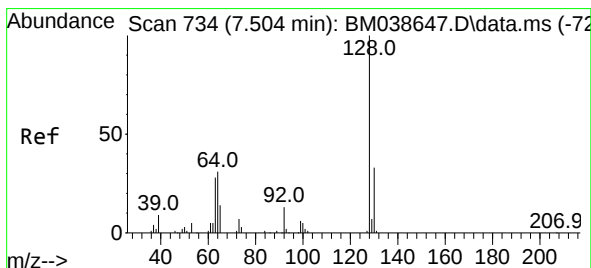
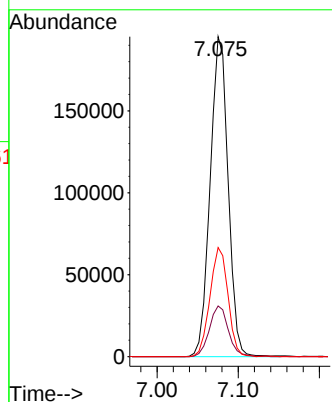
Tgt Ion: 99 Resp: 300516
Ion Ratio Lower Upper
99 100
42 15.8 14.6 22.0
71 34.1 31.0 46.4

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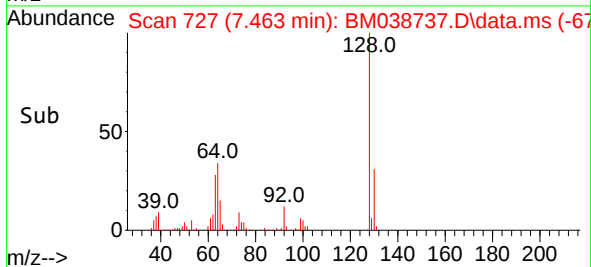
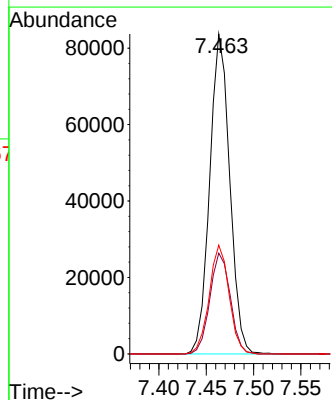
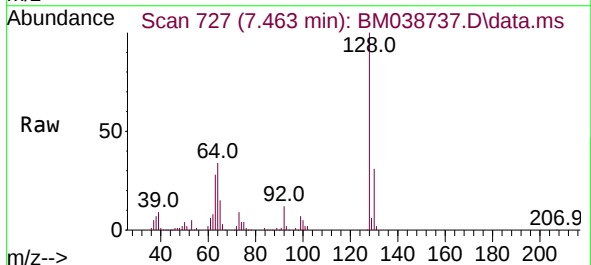
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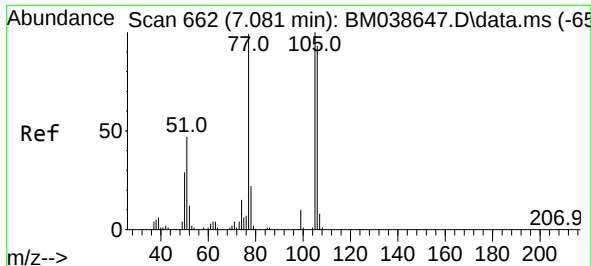
02/17/2023



#8
2-Chlorophenol
Concen: 52.502 ng
RT: 7.463 min Scan# 727
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

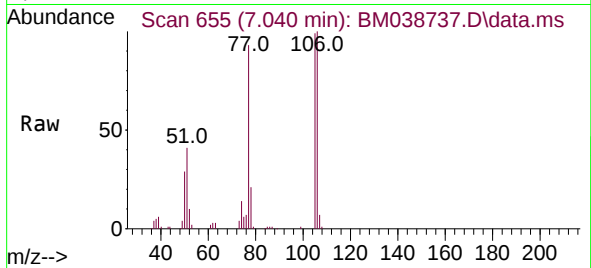
Tgt Ion:128 Resp: 123214
Ion Ratio Lower Upper
128 100
130 31.5 13.2 53.2
64 34.0 17.3 57.3





#9
Benzaldehyde
Concen: 49.372 ng
RT: 7.040 min Scan# 662
Delta R.T. -0.006 min
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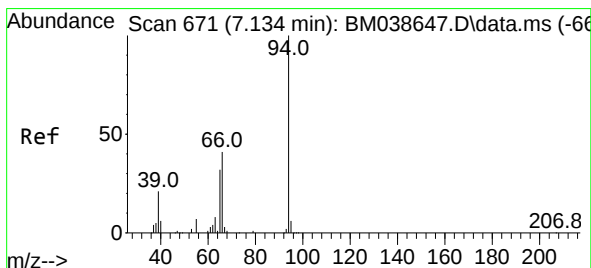
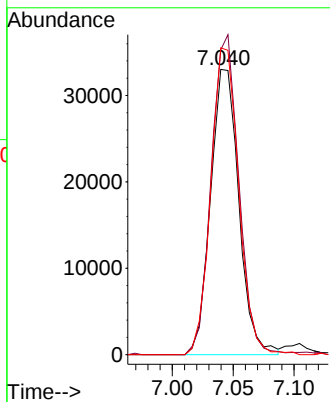
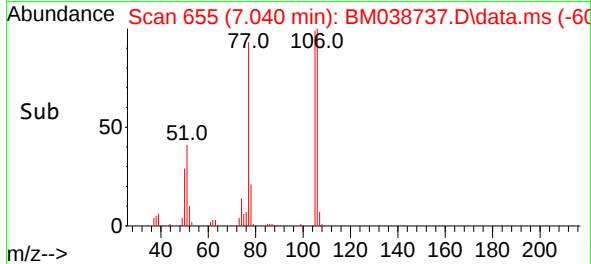
Tgt Ion: 77 Resp: 53379
Ion Ratio Lower Upper
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105 106.9 80.8 120.8
106 107.6 73.8 113.8

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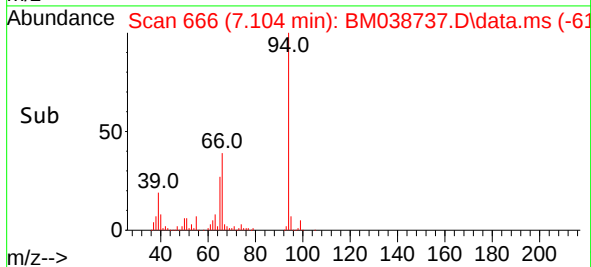
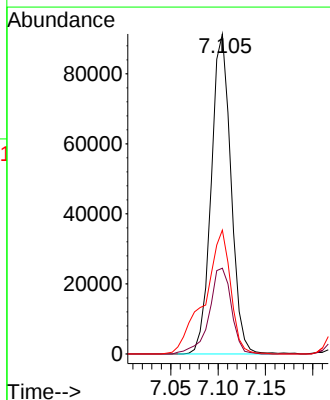
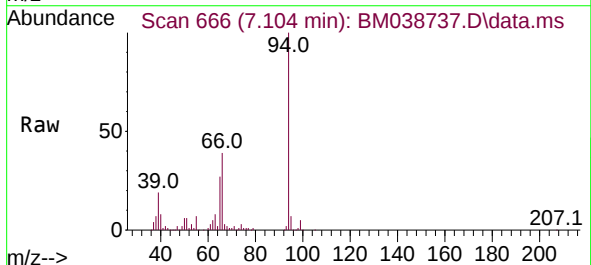
02/15/2023
Supervised By :Jagrut
Upadhyay

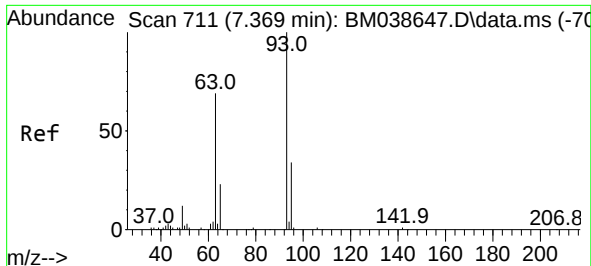
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#10
Phenol
Concen: 53.262 ng
RT: 7.104 min Scan# 666
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

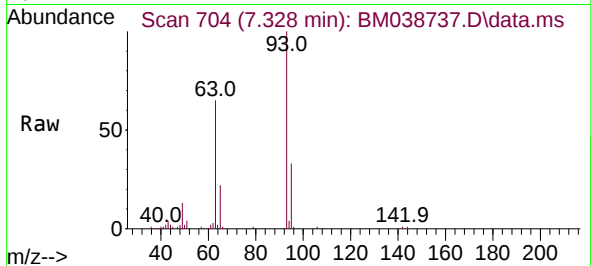
Tgt Ion: 94 Resp: 131990
Ion Ratio Lower Upper
94 100
65 26.8 12.3 52.3
66 38.7 24.2 64.2





#11
bis(2-Chloroethyl)ether
Concen: 49.250 ng
RT: 7.328 min Scan# 704
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



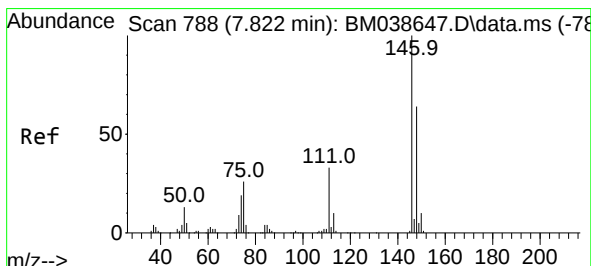
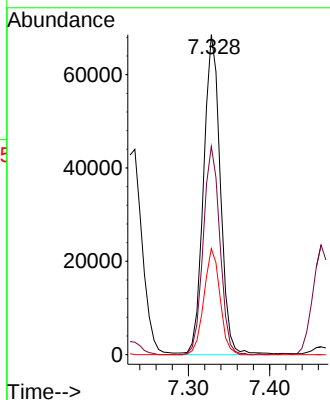
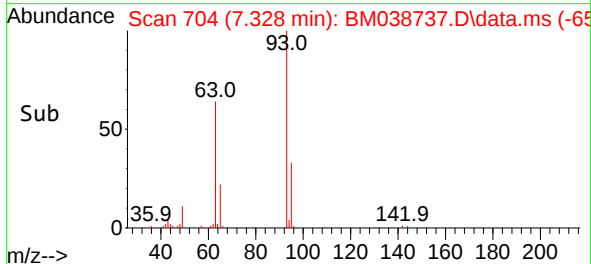
Tgt Ion: 93 Resp: 98838
Ion Ratio Lower Upper
93 100
63 65.1 48.5 88.5
95 33.1 13.8 53.8

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Reviewed By :Christian
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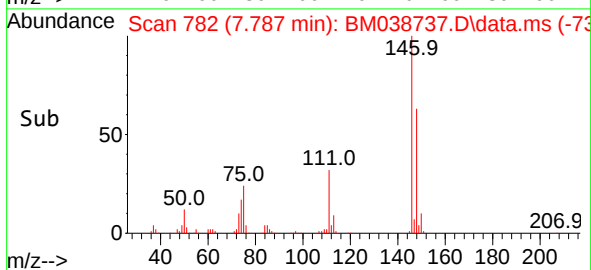
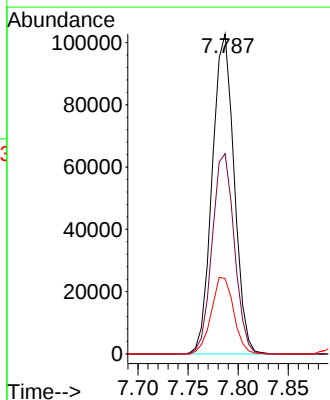
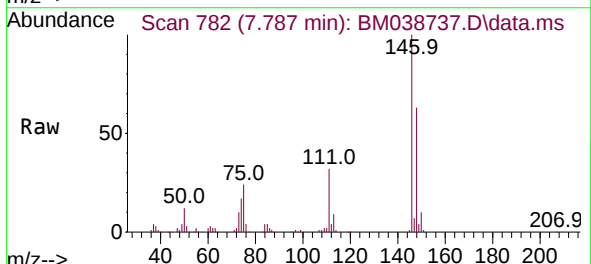
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Supervised By :Jagrut
Upadhyay

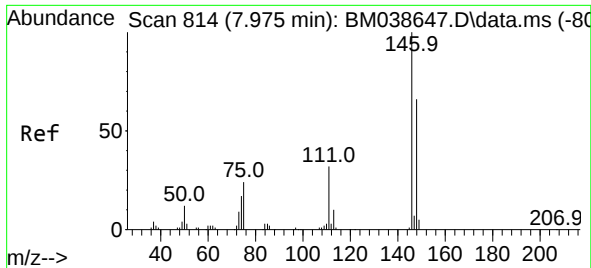
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#12
1,3-Dichlorobenzene
Concen: 52.078 ng
RT: 7.787 min Scan# 782
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Tgt Ion:146 Resp: 156157
Ion Ratio Lower Upper
146 100
148 62.6 51.5 77.3
75 23.5 21.1 31.7





#13
1,4-Dichlorobenzene
Concen: 51.135 ng
RT: 7.934 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD

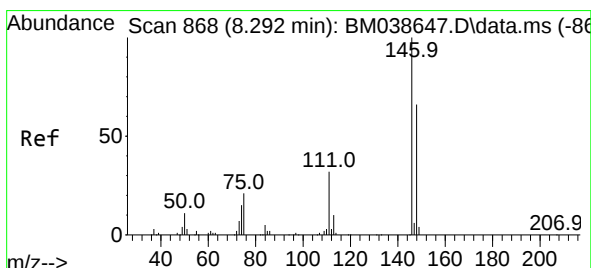
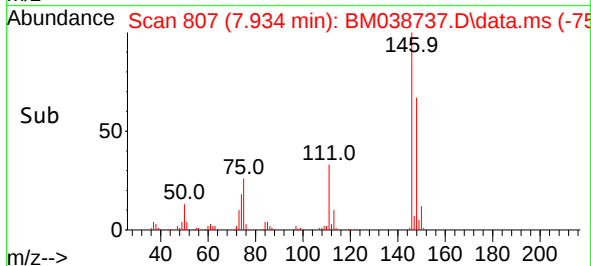
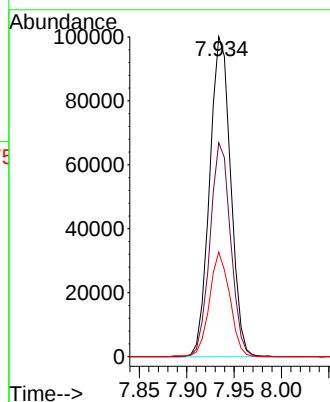
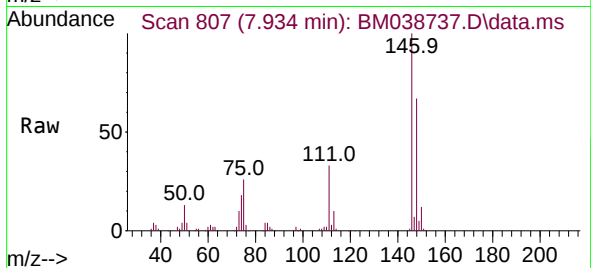
Tgt Ion:146 Resp: 154742
Ion Ratio Lower Upper
146 100
148 66.8 53.1 79.7
111 32.6 25.9 38.9

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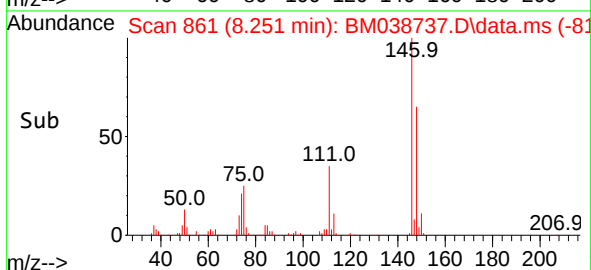
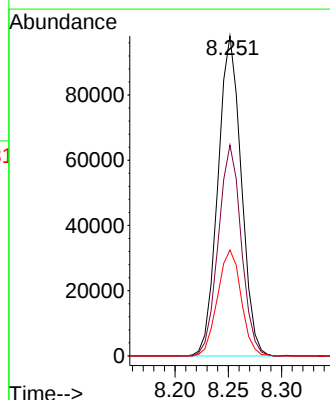
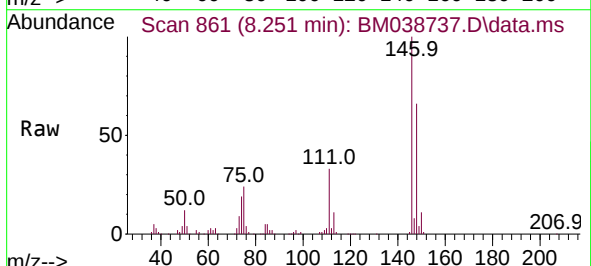
02/15/2023
Supervised By :Jagrut
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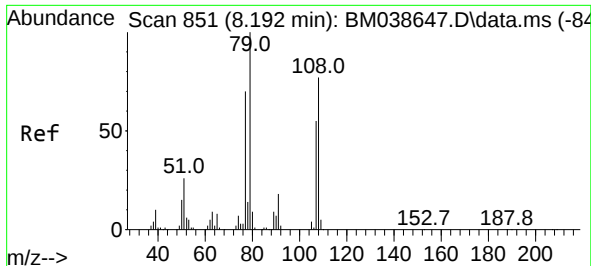
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#14
1,2-Dichlorobenzene
Concen: 51.559 ng
RT: 8.251 min Scan# 861
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

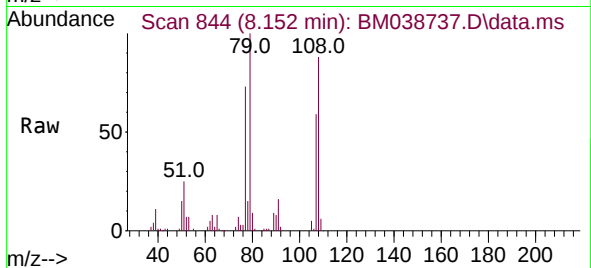
Tgt Ion:146 Resp: 149473
Ion Ratio Lower Upper
146 100
148 65.9 52.9 79.3
111 33.1 26.2 39.2





#15
Benzyl Alcohol
Concen: 46.429 ng m
RT: 8.152 min Scan# 84
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



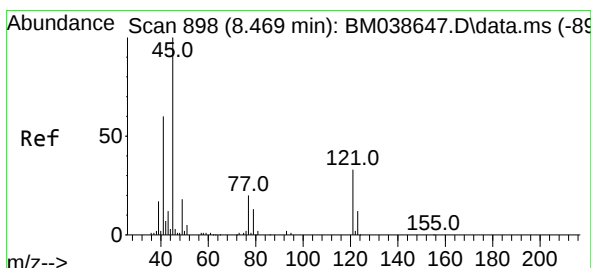
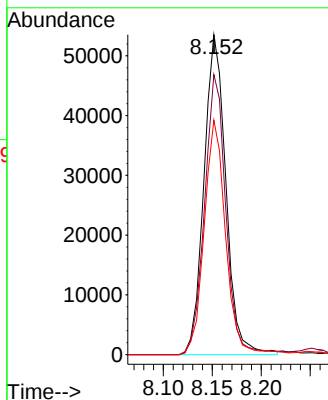
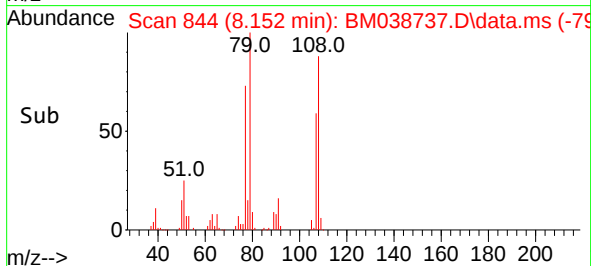
Tgt Ion: 79 Resp: 83826
Ion Ratio Lower Upper
79 100
108 87.5 61.9 92.9
77 73.3 55.8 83.8

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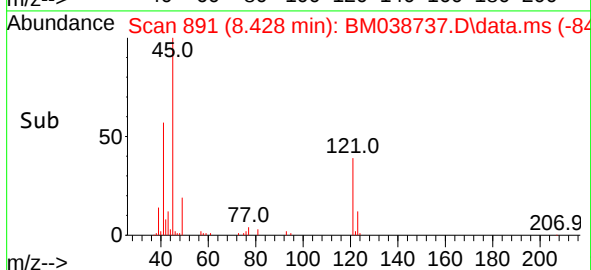
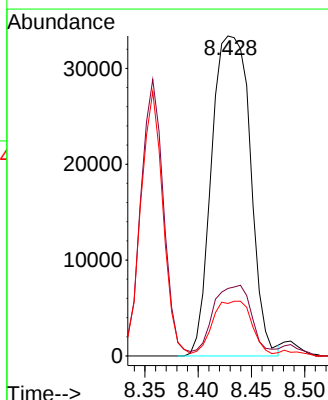
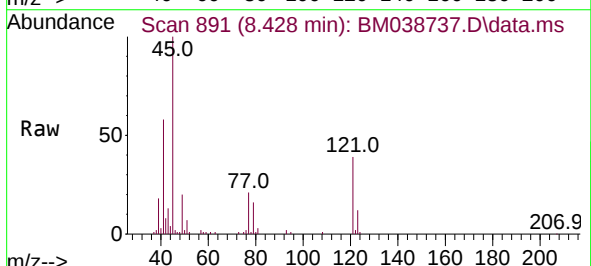
02/15/2023
Supervised By :Jagrut
Upadhyay

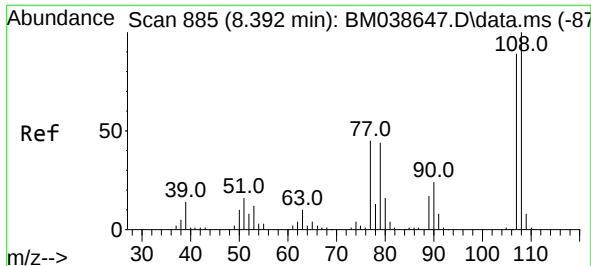
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.305 ng
RT: 8.428 min Scan# 891
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

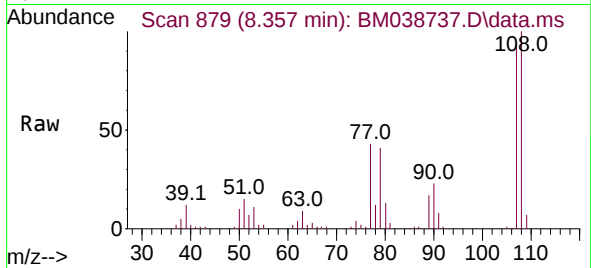
Tgt Ion: 45 Resp: 84220
Ion Ratio Lower Upper
45 100
77 21.1 1.1 41.1
79 16.4 0.0 34.6





#17
2-Methylphenol
Concen: 46.803 ng
RT: 8.357 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



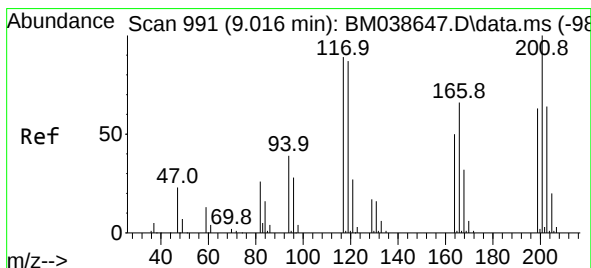
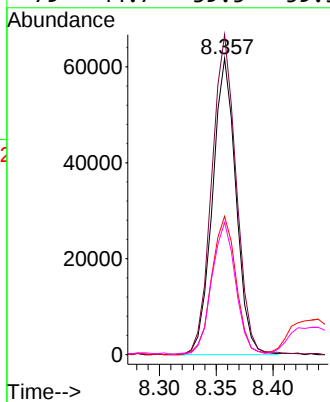
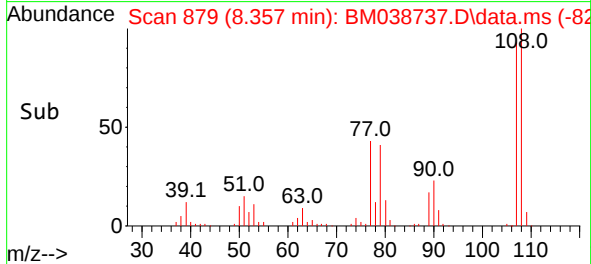
Tgt Ion:107 Resp: 88964
Ion Ratio Lower Upper
107 100
108 108.0 89.6 134.4
77 46.7 40.7 61.1
79 44.7 39.5 59.3

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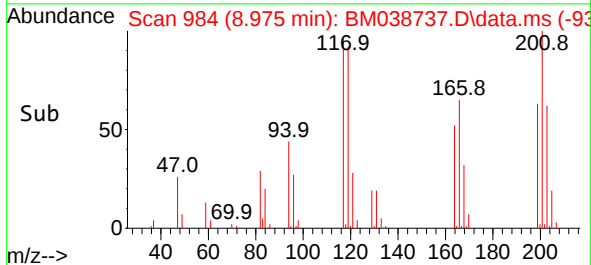
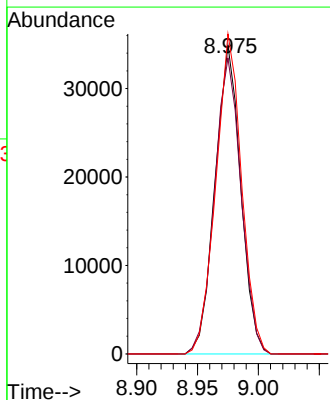
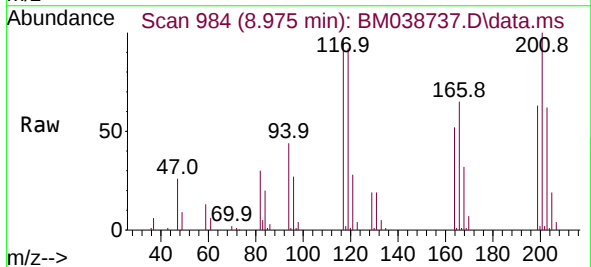
02/15/2023
Supervised By :Jagrut
Upadhyay

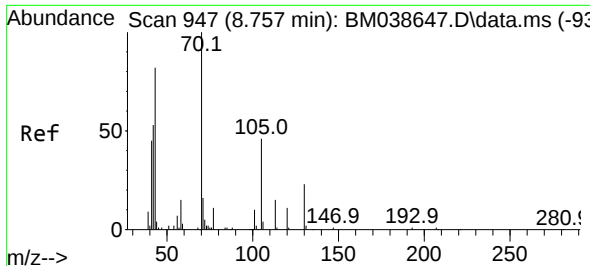
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#18
Hexachloroethane
Concen: 52.403 ng
RT: 8.975 min Scan# 984
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

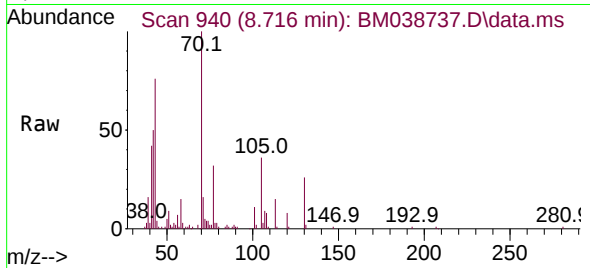
Tgt Ion:117 Resp: 51213
Ion Ratio Lower Upper
117 100
119 95.9 78.6 117.8
201 103.7 90.2 135.2





#19
n-Nitroso-di-n-propylamine
Concen: 46.019 ng
RT: 8.716 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



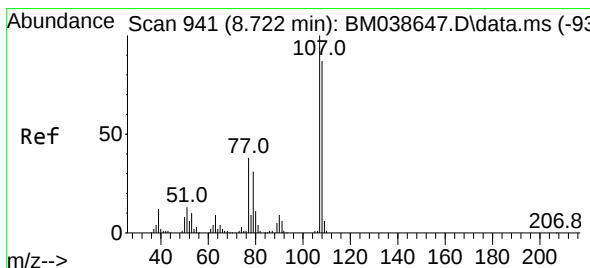
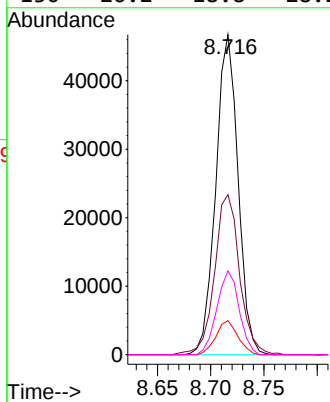
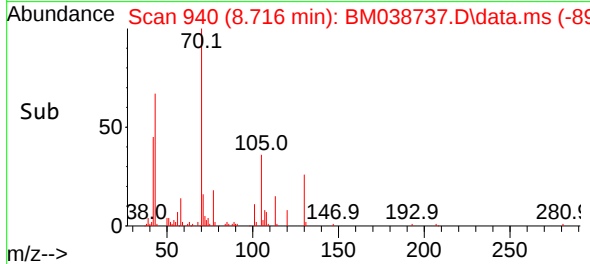
Tgt Ion: 70 Resp: 68043
Ion Ratio Lower Upper
70 100
42 50.0 43.4 65.2
101 10.6 8.2 12.2
130 26.2 18.8 28.2

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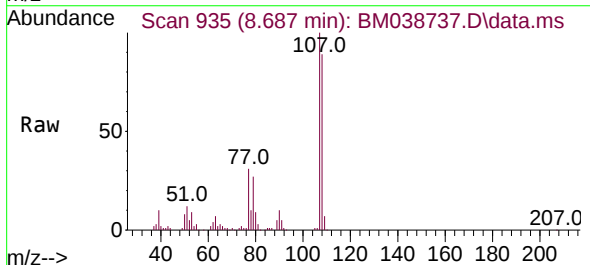
Reviewed By :Christian
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02/15/2023
Supervised By :Jagrut
Upadhyay

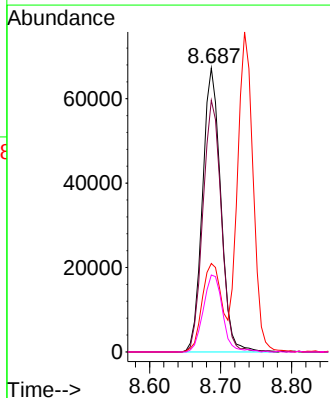
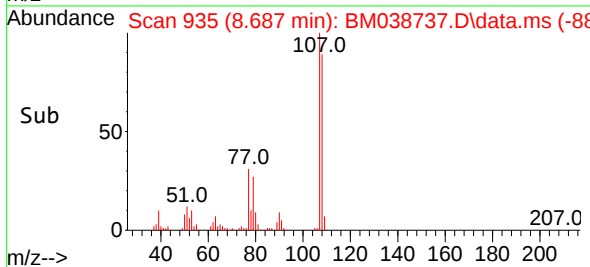
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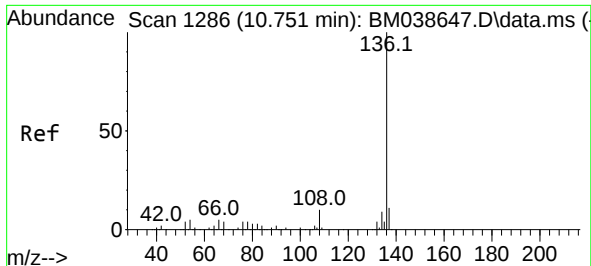


#20
3+4-Methylphenols
Concen: 47.357 ng
RT: 8.687 min Scan# 935
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25



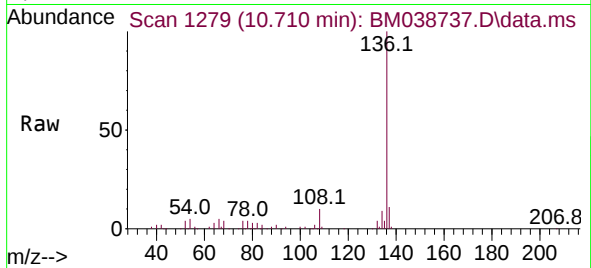
Tgt Ion:107 Resp: 120018
Ion Ratio Lower Upper
107 100
108 88.7 67.2 107.2
77 31.2 17.5 57.5
79 27.1 10.8 50.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



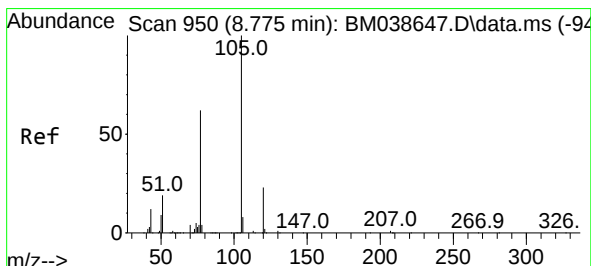
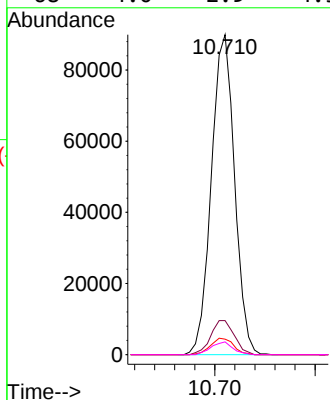
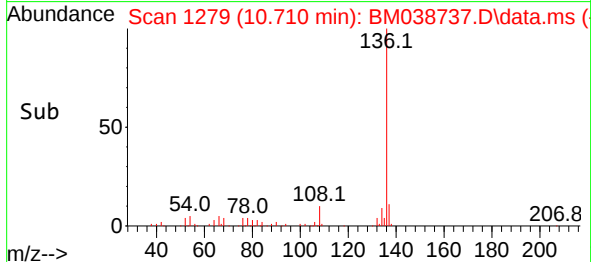
Tgt Ion:136 Resp: 144752
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 4.8 4.2 6.4
68 4.0 2.9 4.3

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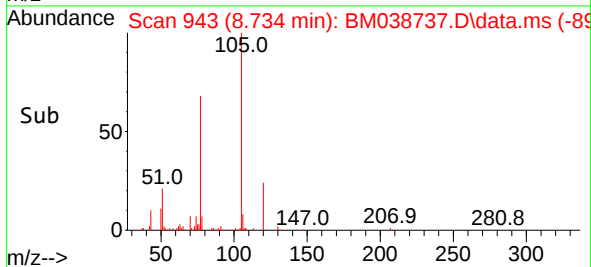
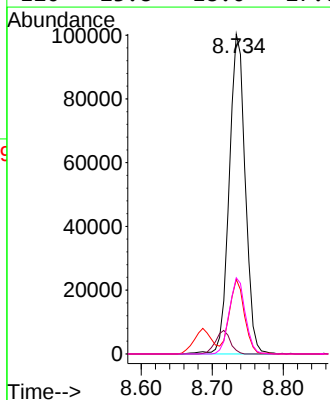
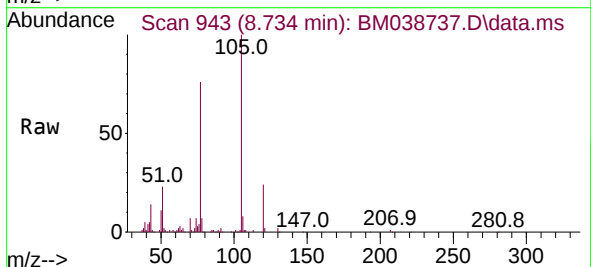
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Supervised By :Jagrut
Upadhyay

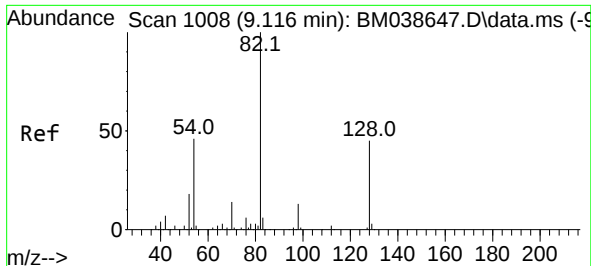
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#22
Acetophenone
Concen: 45.463 ng
RT: 8.734 min Scan# 943
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

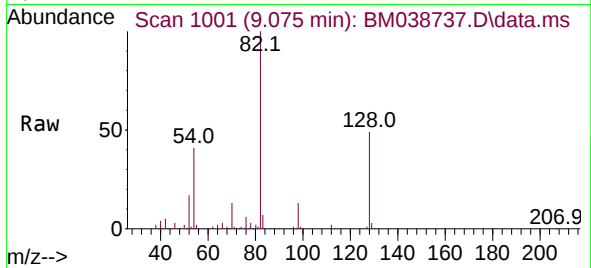
Tgt Ion:105 Resp: 156946
Ion Ratio Lower Upper
105 100
71 1.1 0.9 1.3
51 23.3 19.3 28.9
120 23.8 18.0 27.0





#23
Nitrobenzene-d5
Concen: 69.114 ng
RT: 9.075 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



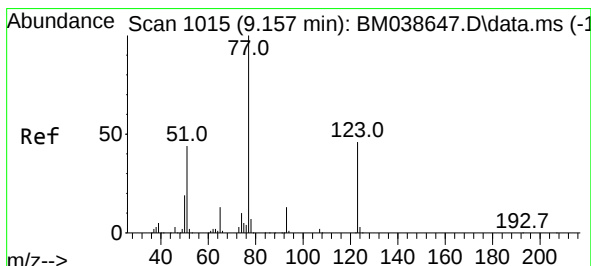
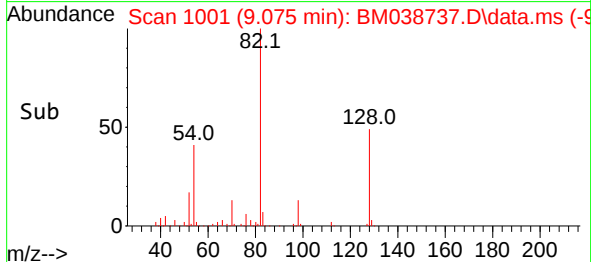
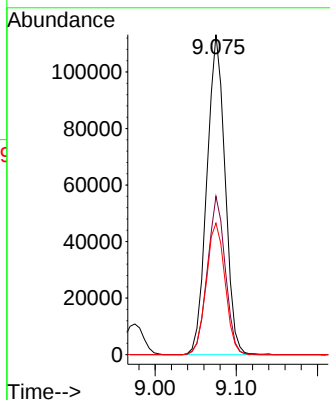
Tgt Ion: 82 Resp: 176138
Ion Ratio Lower Upper
82 100
128 49.5 36.0 54.0
54 41.1 36.8 55.2

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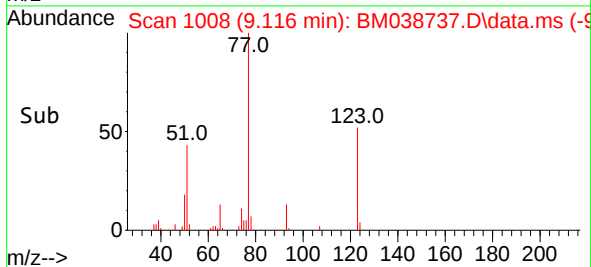
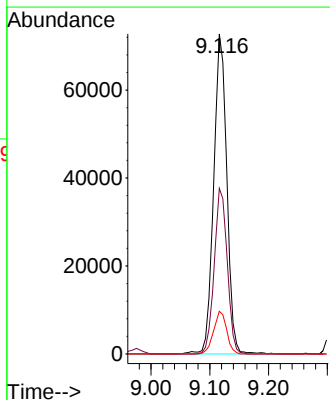
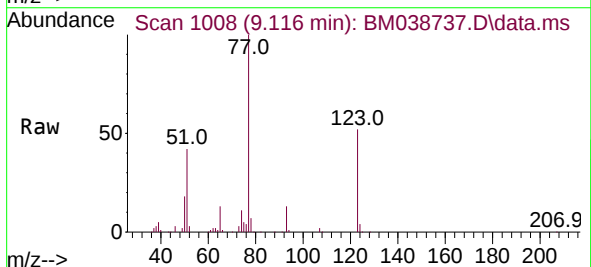
02/15/2023
Supervised By :Jagrut
Upadhyay

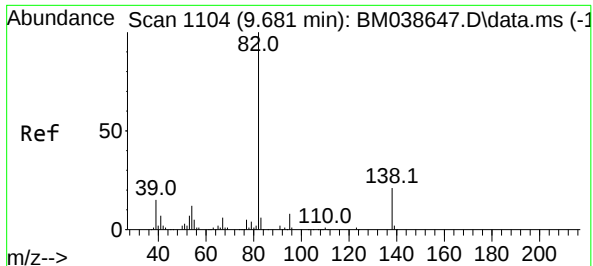
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#24
Nitrobenzene
Concen: 43.570 ng
RT: 9.116 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

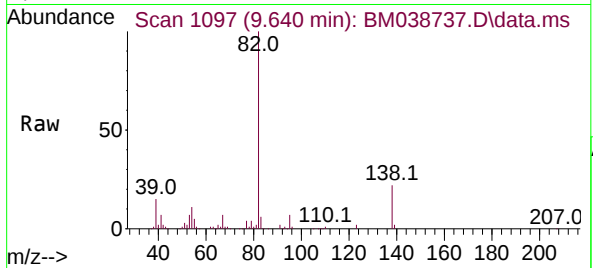
Tgt Ion: 77 Resp: 112704
Ion Ratio Lower Upper
77 100
123 51.7 36.5 54.7
65 13.3 10.7 16.1





#25
Isophorone
Concen: 43.447 ng
RT: 9.640 min Scan# 1104
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



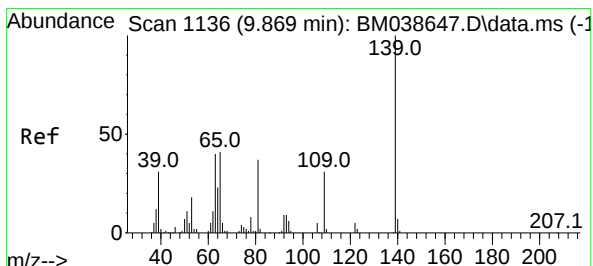
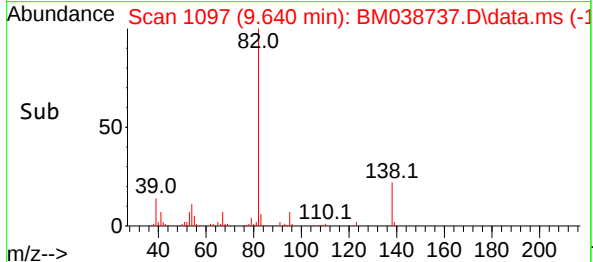
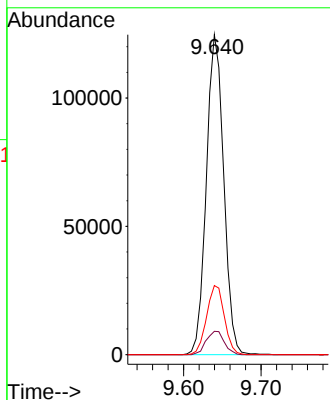
Tgt Ion: 82 Resp: 193962
Ion Ratio Lower Upper
82 100
95 7.3 6.4 9.6
138 21.6 17.0 25.6

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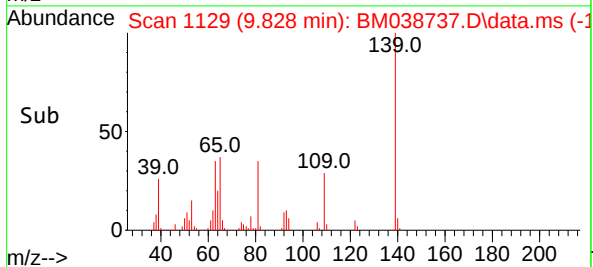
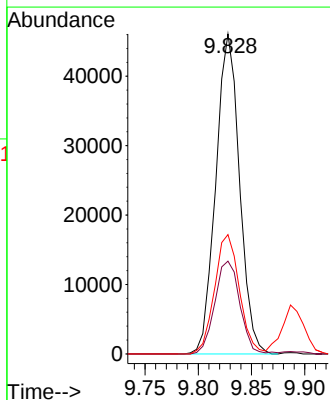
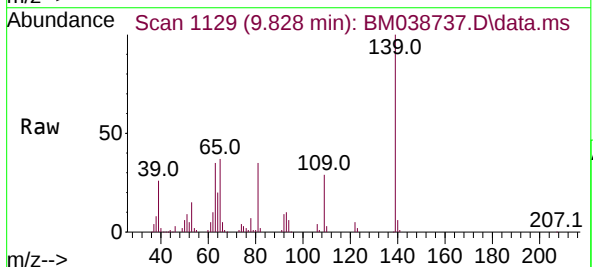
02/15/2023
Supervised By :Jagrut
Upadhyay

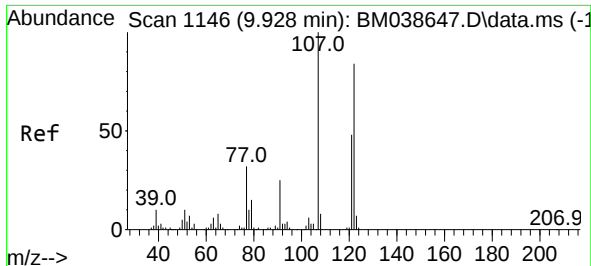
02/17/2023



#26
2-Nitrophenol
Concen: 49.587 ng
RT: 9.828 min Scan# 1129
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

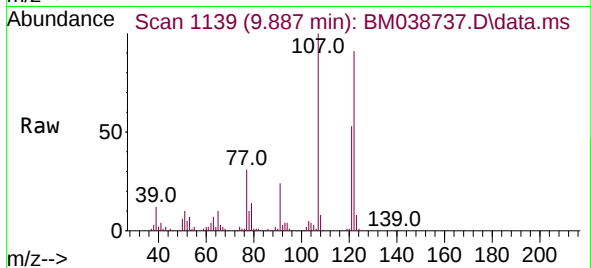
Tgt Ion:139 Resp: 71376
Ion Ratio Lower Upper
139 100
109 29.0 24.5 36.7
65 37.3 32.6 49.0





#27
2,4-Dimethylphenol
Concen: 50.373 ng
RT: 9.887 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



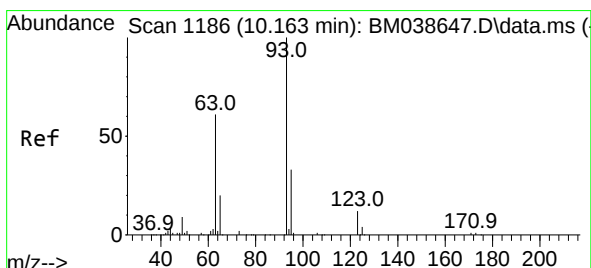
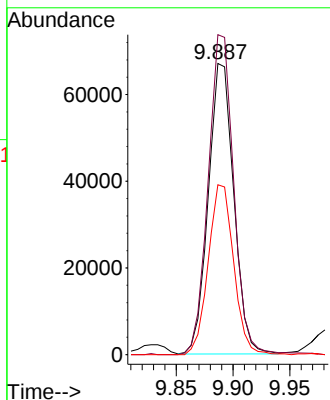
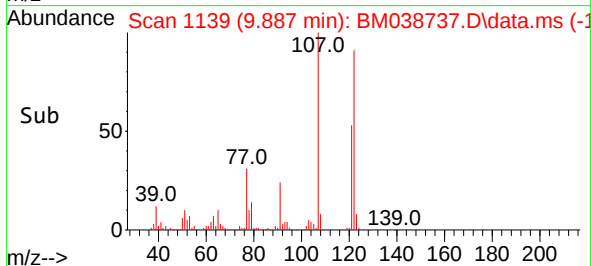
Tgt Ion:122 Resp: 104614
Ion Ratio Lower Upper
122 100
107 109.9 94.9 142.3
121 58.3 45.5 68.3

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Reviewed By :Christian
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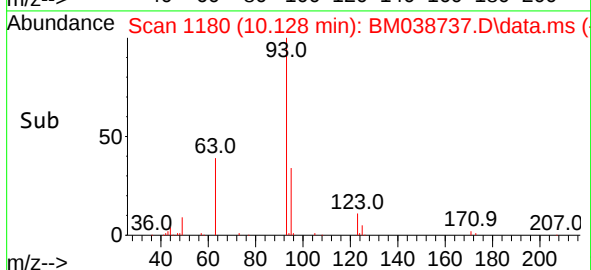
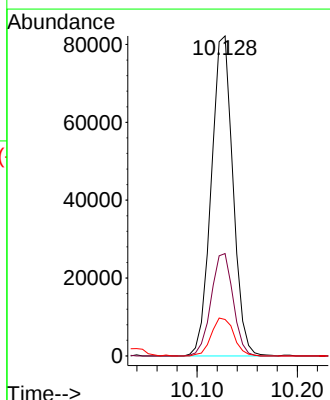
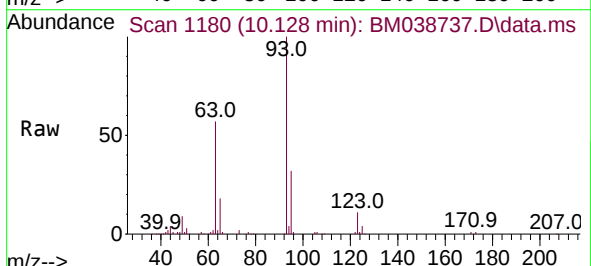
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Supervised By :Jagrut
Upadhyay

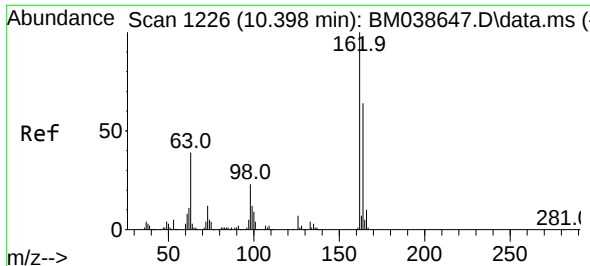
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#28
bis(2-Chloroethoxy)methane
Concen: 45.276 ng
RT: 10.128 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

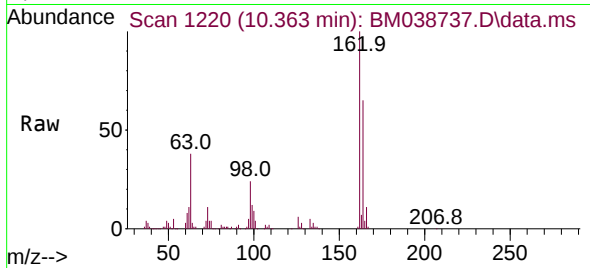
Tgt Ion: 93 Resp: 123529
Ion Ratio Lower Upper
93 100
95 32.0 26.6 40.0
123 11.4 9.6 14.4





#29
2,4-Dichlorophenol
Concen: 44.976 ng
RT: 10.363 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



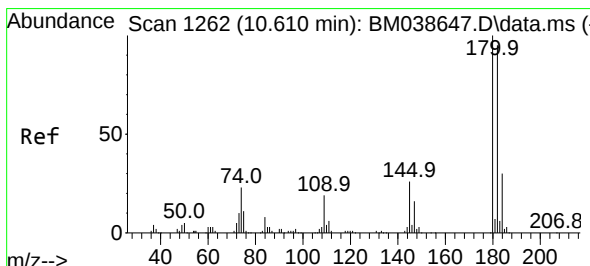
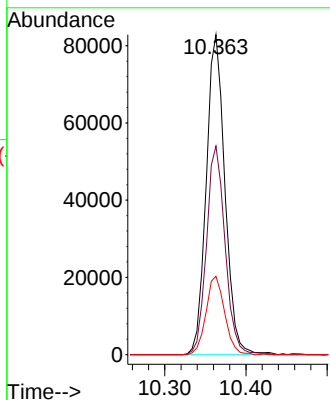
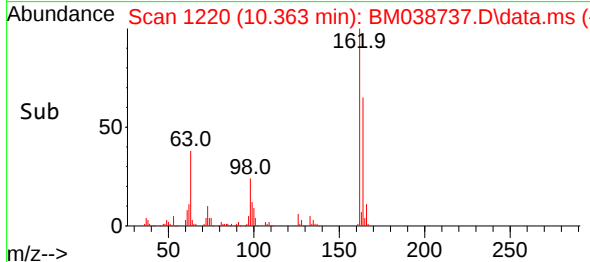
Tgt Ion:162 Resp: 132703
Ion Ratio Lower Upper
162 100
164 65.2 44.3 84.3
98 24.5 3.1 43.1

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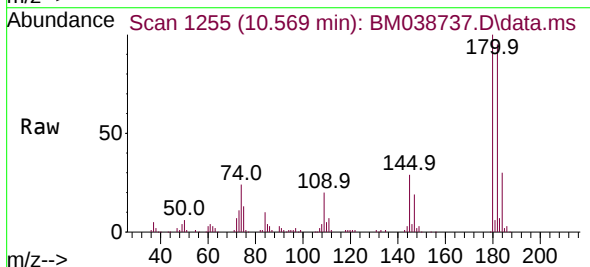
Reviewed By :Christian
Giraldo

02/15/2023
Supervised By :Jagrut
Upadhyay

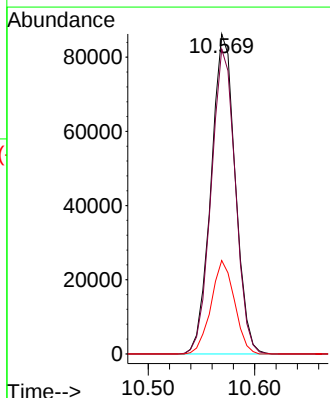
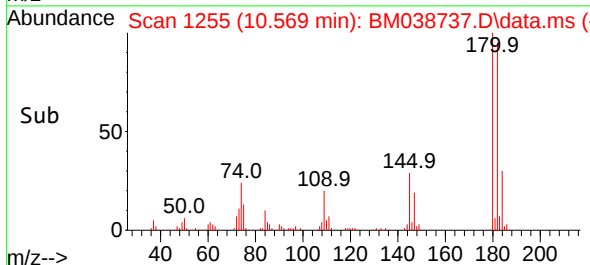
02/17/2023

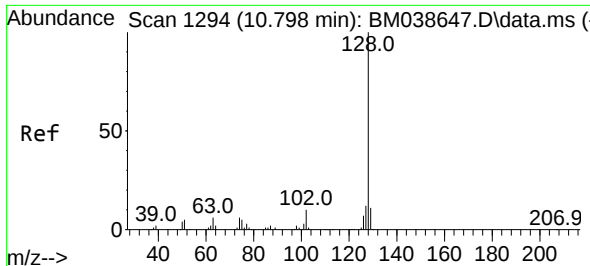


#30
1,2,4-Trichlorobenzene
Concen: 43.352 ng
RT: 10.569 min Scan# 1255
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25



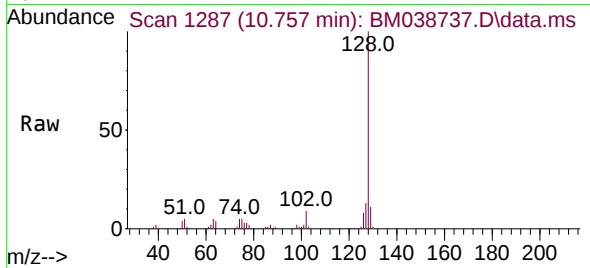
Tgt Ion:180 Resp: 136060
Ion Ratio Lower Upper
180 100
182 95.3 76.2 114.2
145 29.2 20.8 31.2





#31
Naphthalene
Concen: 47.868 ng
RT: 10.757 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



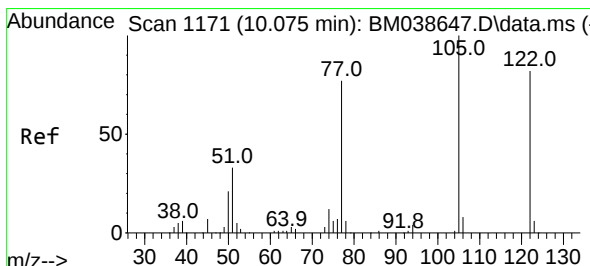
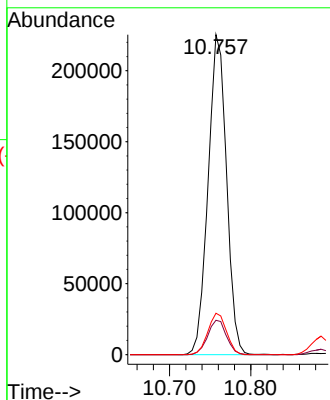
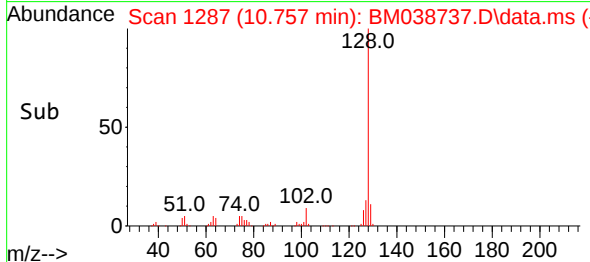
Tgt Ion:128 Resp: 355572
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 12.9 9.9 14.9

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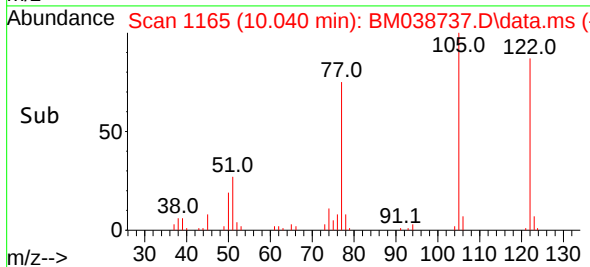
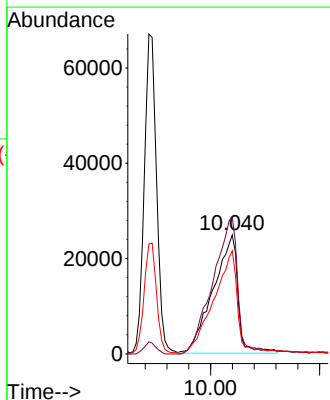
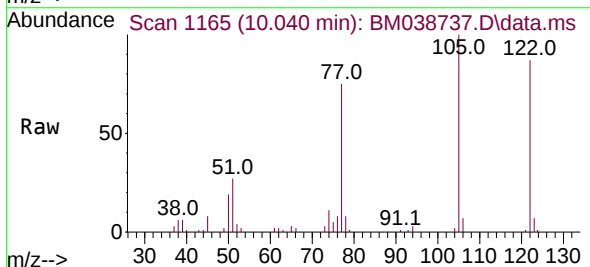
02/15/2023
Supervised By :Jagrut
Upadhyay

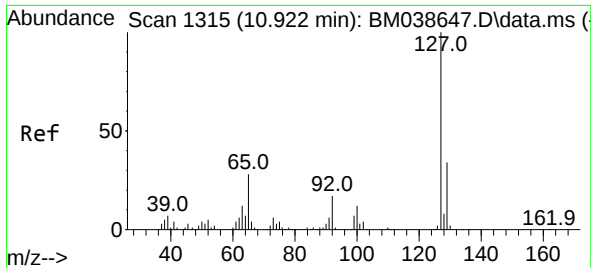
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#32
Benzoic acid
Concen: 46.507 ng m
RT: 10.040 min Scan# 1165
Delta R.T. -0.011 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Tgt Ion:122 Resp: 78184
Ion Ratio Lower Upper
122 100
105 115.0 99.2 139.2
77 86.7 72.3 112.3





#33
4-Chloroaniline
Concen: 6.840 ng
RT: 10.887 min Scan# 1315
Delta R.T. 0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD

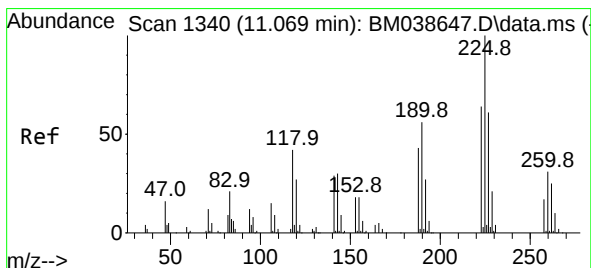
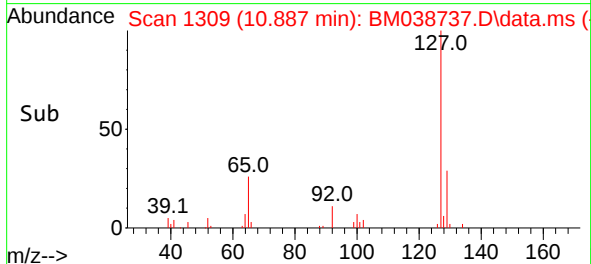
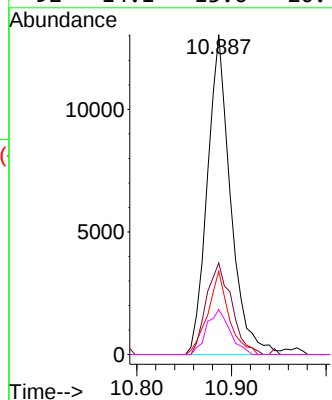
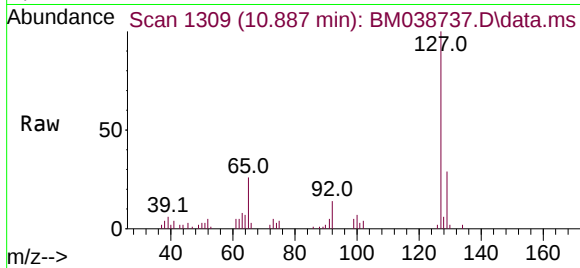
Tgt Ion:	127	Resp:	2226
Ion Ratio	Lower	Upper	
127	100		
129	28.7	27.1	40.7
65	26.1	22.2	33.4
92	14.1	13.6	20.4

Manual Integrations
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Reviewed By :Christian
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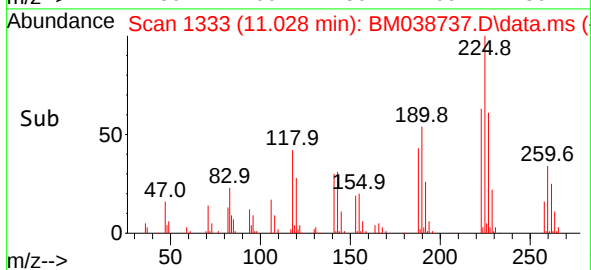
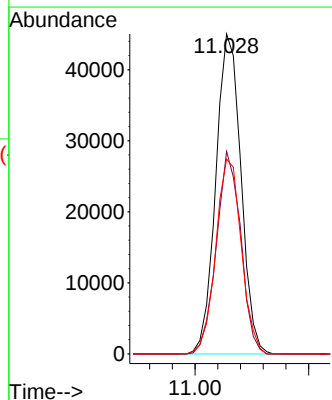
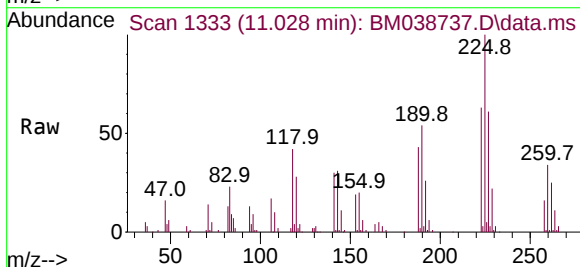
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Supervised By :Jagrut
Upadhyay

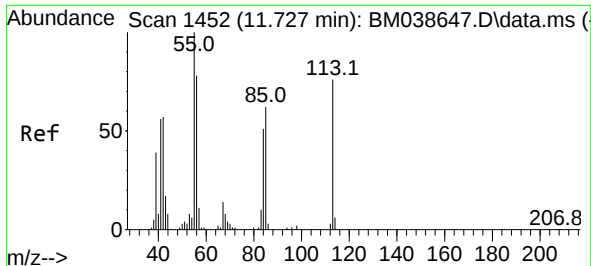
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#34
Hexachlorobutadiene
Concen: 43.964 ng
RT: 11.028 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

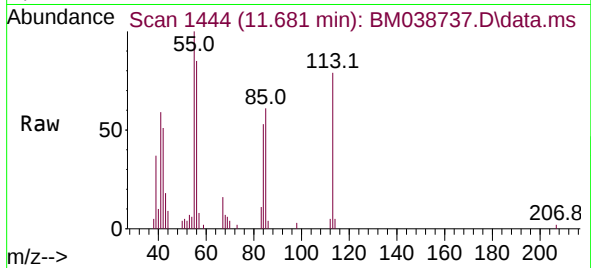
Tgt Ion:	225	Resp:	69121
Ion Ratio	Lower	Upper	
225	100		
223	65.9	51.0	76.4
227	63.8	49.2	73.8





#35
 Caprolactam
 Concen: 45.835 ng
 RT: 11.681 min Scan# 1452
 Delta R.T. -0.006 min
 Lab File: BM038737.D
 Acq: 14 Feb 2023 19:25

Instrument :
 BNA_M
 ClientSampleId :
 SOILMSD



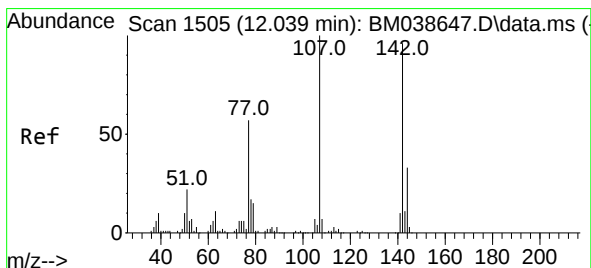
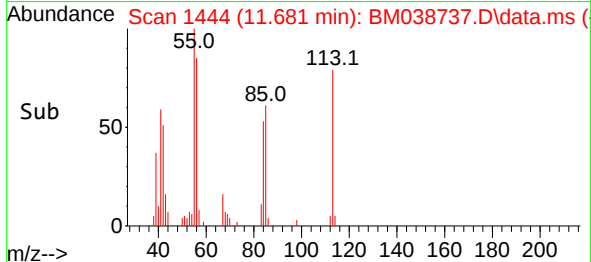
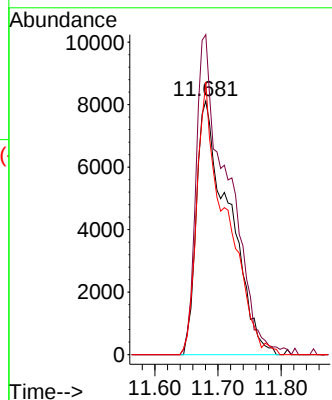
Tgt Ion	Ratio	Lower	Upper
113	100		
55	126.2	111.2	151.2
56	107.5	82.0	122.0

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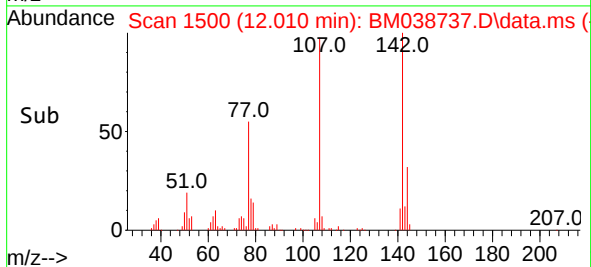
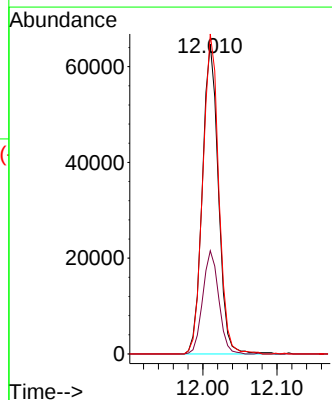
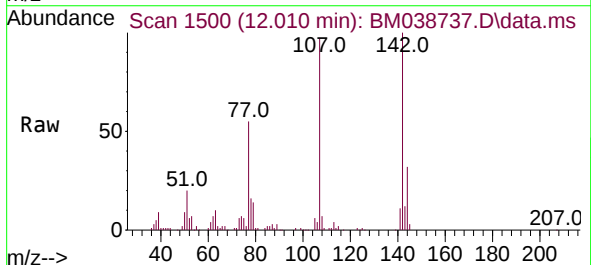
02/15/2023
 Supervised By :Jagrut
 Upadhyay

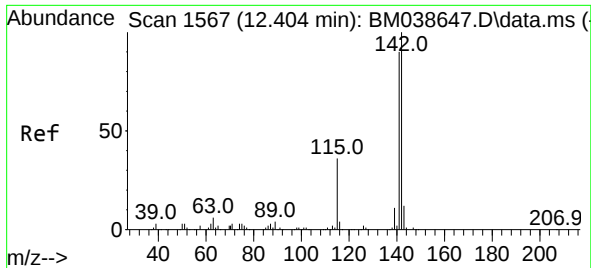
02/17/2023



#36
 4-Chloro-3-methylphenol
 Concen: 44.377 ng
 RT: 12.010 min Scan# 1500
 Delta R.T. 0.000 min
 Lab File: BM038737.D
 Acq: 14 Feb 2023 19:25

Tgt Ion	Ratio	Lower	Upper
107	100		
144	33.3	26.5	39.7
142	103.3	77.0	115.6





#37
2-Methylnaphthalene
Concen: 43.440 ng
RT: 12.369 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD

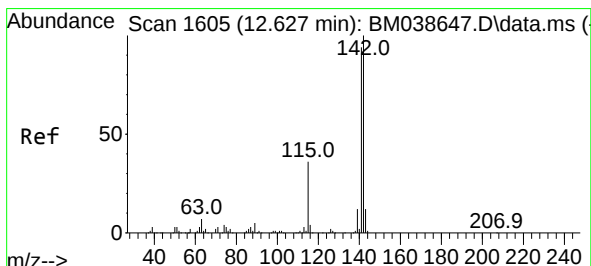
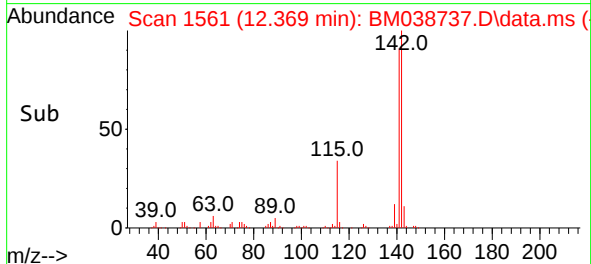
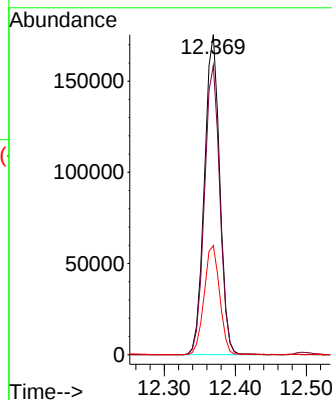
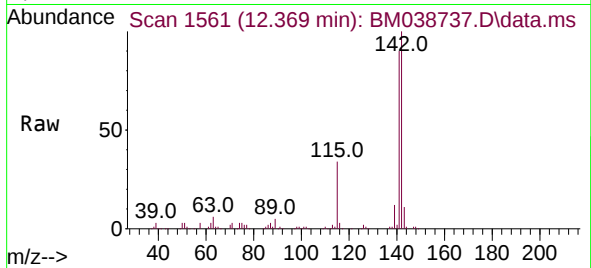
Tgt Ion:142 Resp: 260762
Ion Ratio Lower Upper
142 100
141 90.4 71.8 107.8
115 34.1 28.7 43.1

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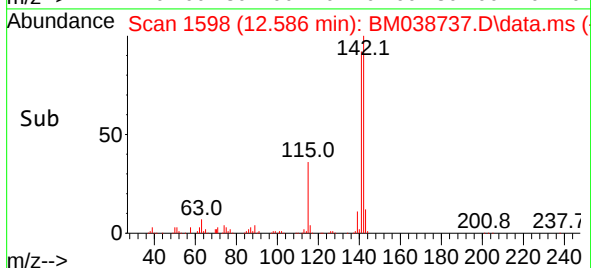
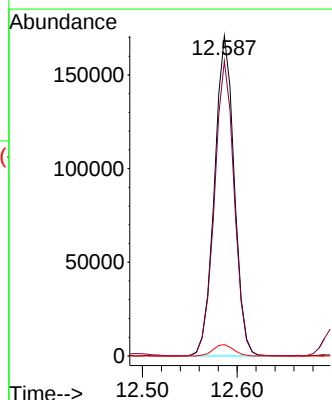
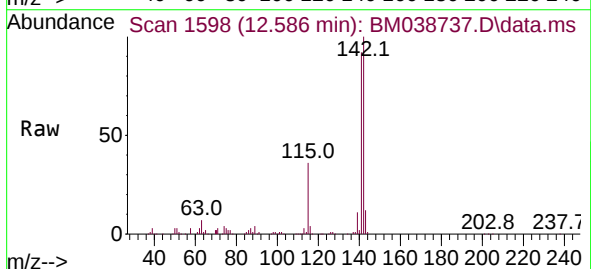
02/15/2023
Supervised By :Jagrut
Upadhyay

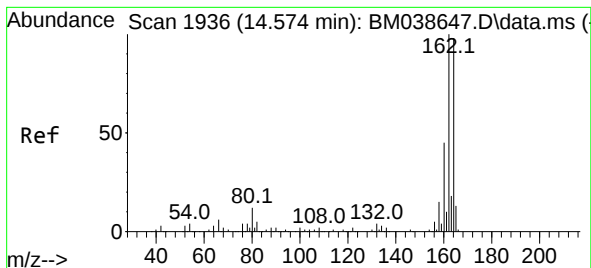
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#38
1-Methylnaphthalene
Concen: 43.669 ng
RT: 12.586 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

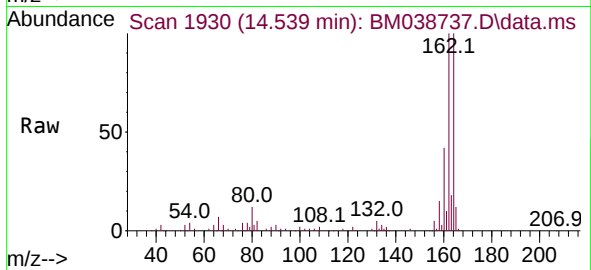
Tgt Ion:142 Resp: 247013
Ion Ratio Lower Upper
142 100
141 92.2 75.5 113.3
116 3.5 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



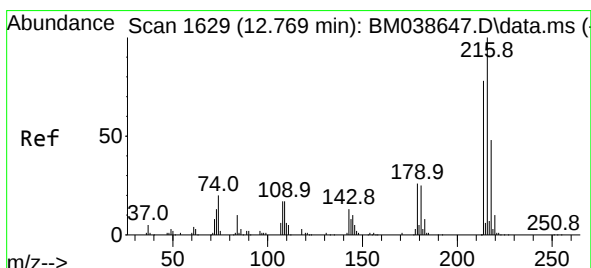
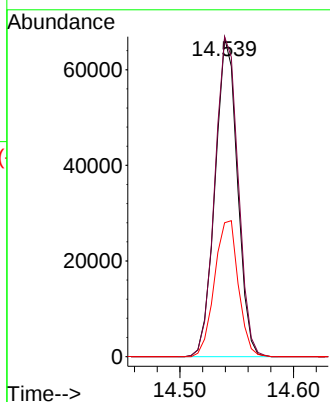
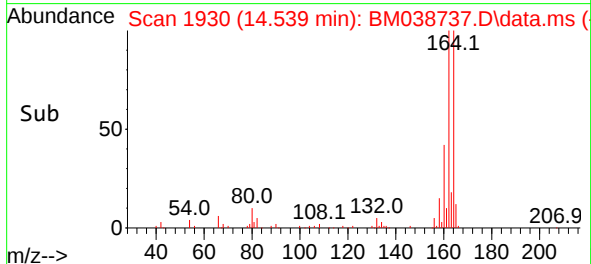
Tgt Ion:164 Resp: 91016
Ion Ratio Lower Upper
164 100
162 100.3 81.4 122.0
160 41.9 36.5 54.7

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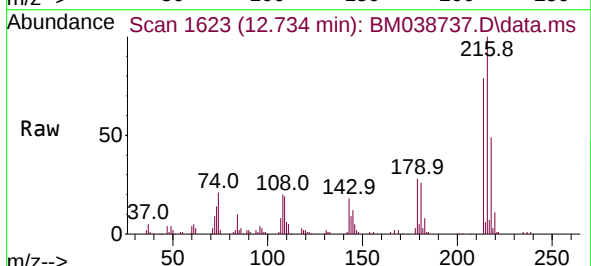
Reviewed By :Christian
Giraldo

02/15/2023
Supervised By :Jagrut
Upadhyay

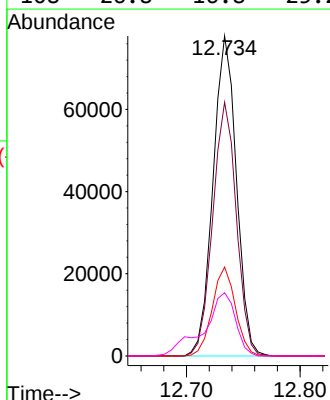
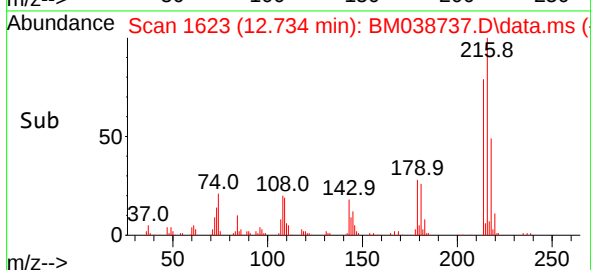
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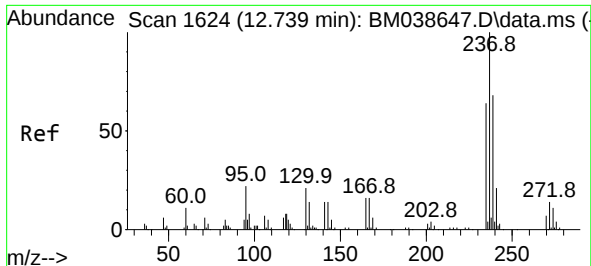


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.960 ng
RT: 12.734 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25



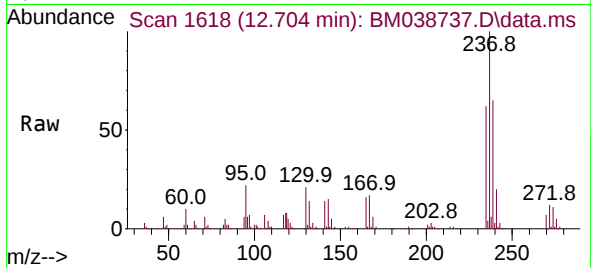
Tgt Ion:216 Resp: 111236
Ion Ratio Lower Upper
216 100
214 79.9 63.4 95.0
179 27.4 21.0 31.4
108 26.8 16.8 25.2#





#41
Hexachlorocyclopentadiene
Concen: 99.244 ng
RT: 12.704 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



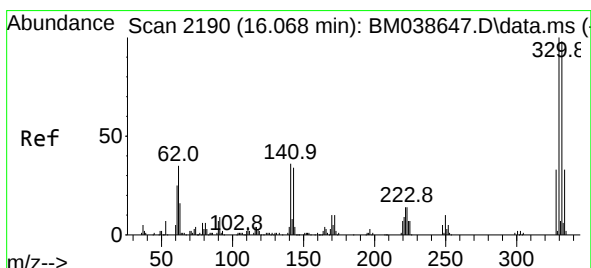
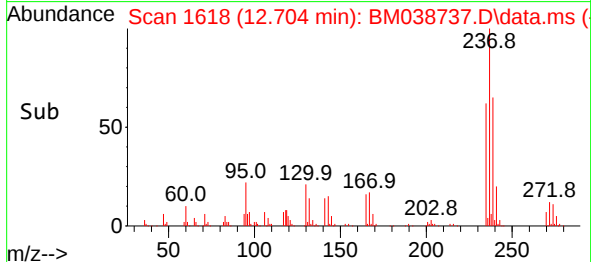
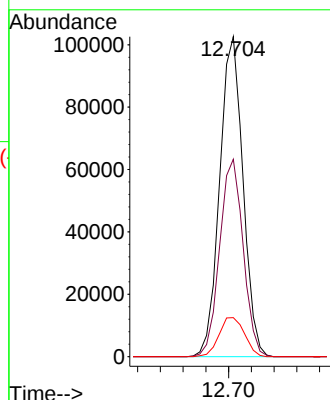
Tgt Ion:237 Resp: 145876
Ion Ratio Lower Upper
237 100
235 61.7 43.8 83.8
272 12.2 0.0 33.8

Manual Integrations
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Reviewed By :Christian
Giraldo

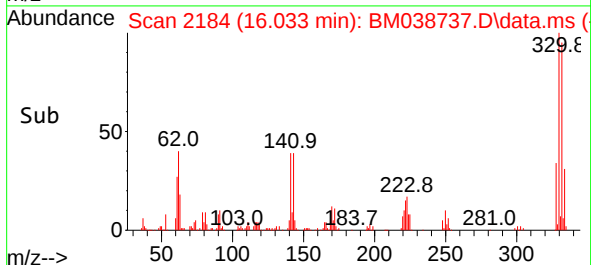
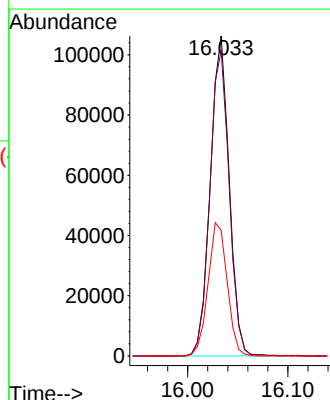
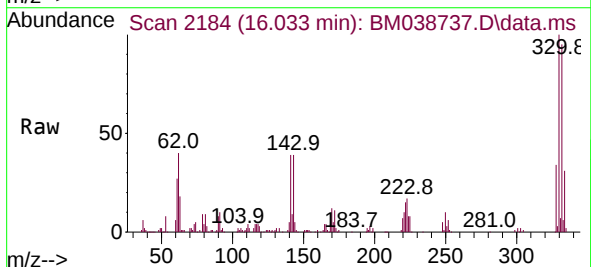
02/15/2023
Supervised By :Jagrut
Upadhyay

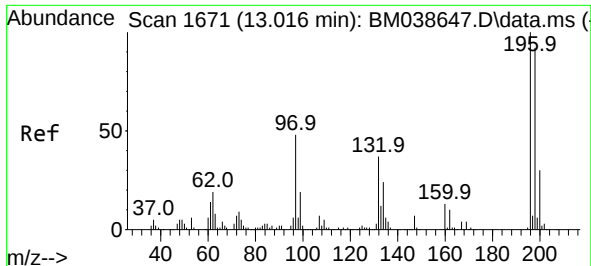
02/17/2023



#42
2,4,6-Tribromophenol
Concen: 112.425 ng
RT: 16.033 min Scan# 2184
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

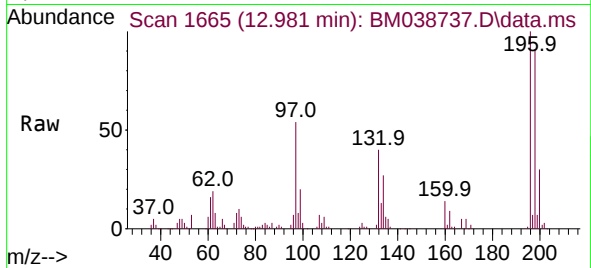
Tgt Ion:330 Resp: 139082
Ion Ratio Lower Upper
330 100
332 97.2 77.8 116.6
141 42.0 31.0 46.6





#43
2,4,6-Trichlorophenol
Concen: 48.048 ng
RT: 12.981 min Scan# 1665
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



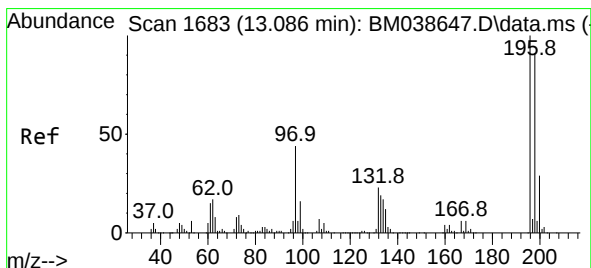
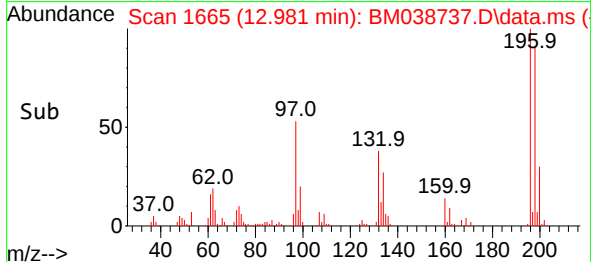
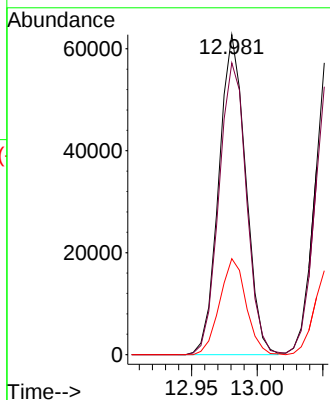
Tgt Ion:196 Resp: 89413
Ion Ratio Lower Upper
196 100
198 91.2 73.7 110.5
200 30.0 24.3 36.5

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Reviewed By :Christian
Giraldo

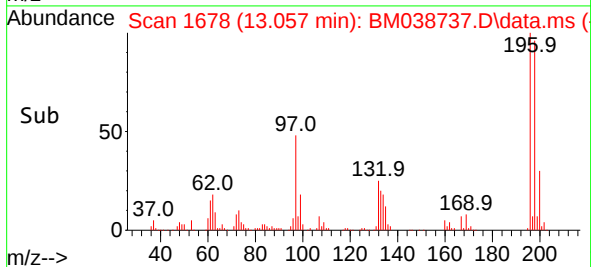
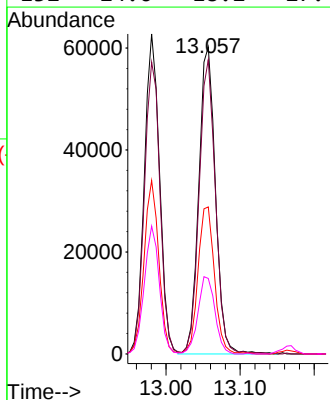
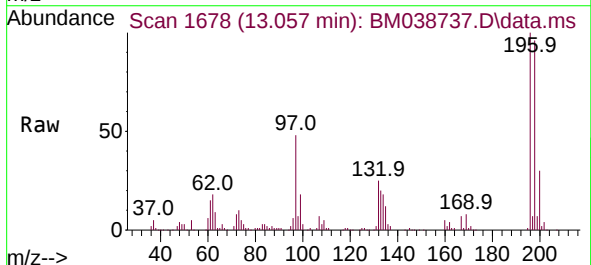
02/15/2023
Supervised By :Jagrut
Upadhyay

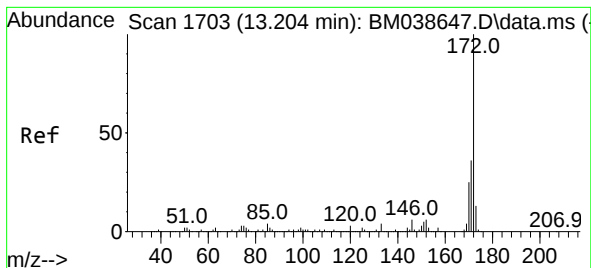
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#44
2,4,5-Trichlorophenol
Concen: 43.012 ng
RT: 13.057 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Tgt Ion:196 Resp: 94190
Ion Ratio Lower Upper
196 100
198 95.8 73.1 109.7
97 47.9 35.5 53.3
132 24.6 18.2 27.4





#45

2-Fluorobiphenyl

Concen: 65.636 ng

RT: 13.163 min Scan# 1696

Delta R.T. -0.006 min

Lab File: BM038737.D

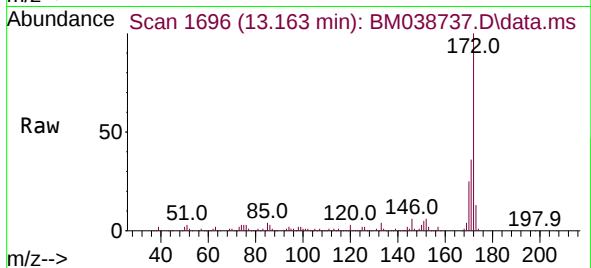
Acq: 14 Feb 2023 19:25

Instrument :

BNA_M

ClientSampleId :

SOILMSD



Tgt Ion:172 Resp: 46924

Ion Ratio Lower Upper

172 100

171 36.4 28.7 43.1

170 24.7 20.0 30.0

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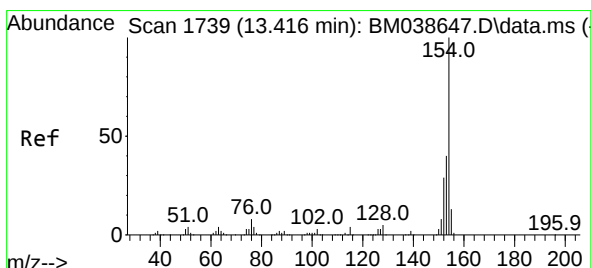
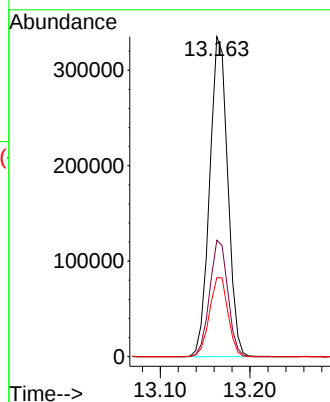
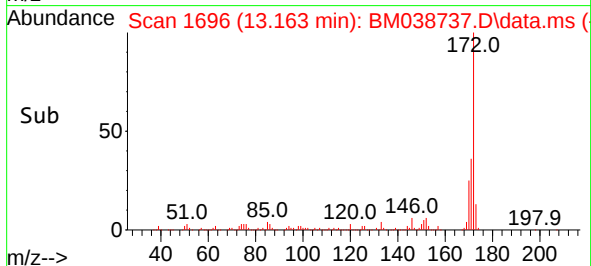
APPROVED

Reviewed By :Christian
Giraldo

02/15/2023

Supervised By :Jagrut
Upadhyay

02/17/2023



#46

1,1'-Biphenyl

Concen: 49.530 ng

RT: 13.375 min Scan# 1732

Delta R.T. -0.006 min

Lab File: BM038737.D

Acq: 14 Feb 2023 19:25

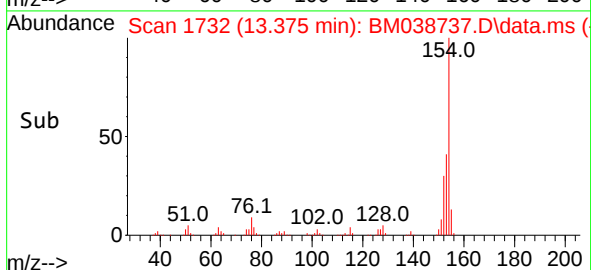
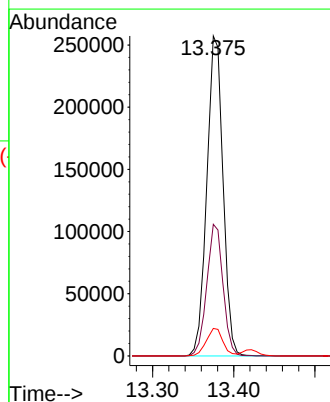
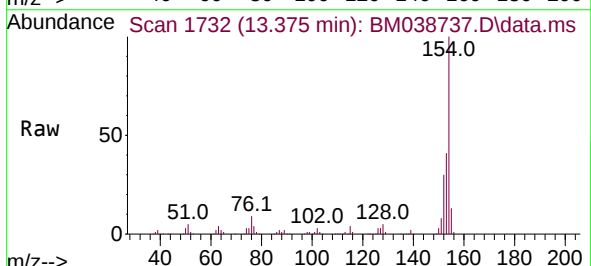
Tgt Ion:154 Resp: 357100

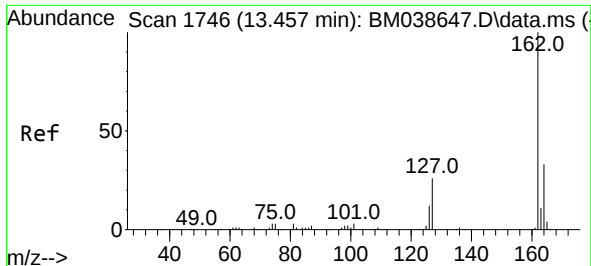
Ion Ratio Lower Upper

154 100

153 41.1 19.9 59.9

76 8.6 0.0 27.9





#47
2-Chloronaphthalene
Concen: 50.511 ng
RT: 13.422 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD

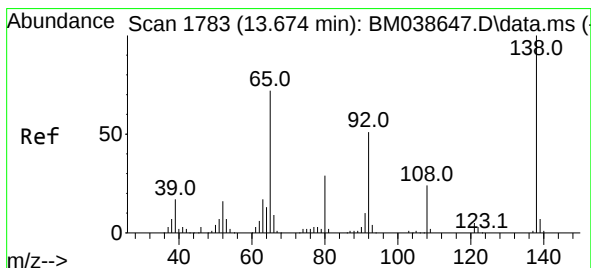
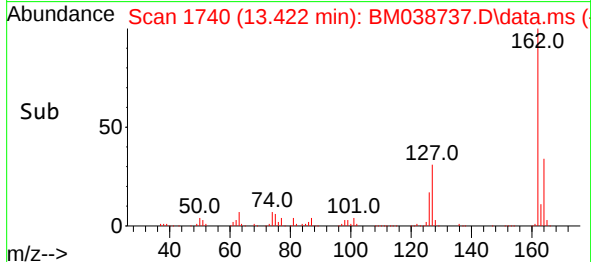
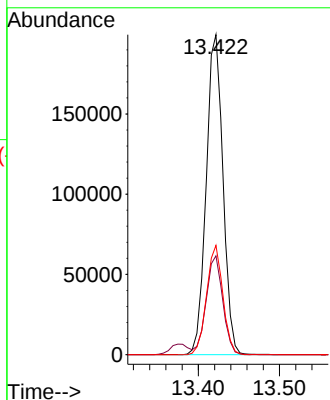
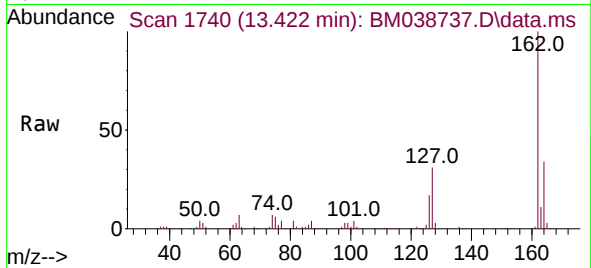
Tgt Ion:162 Resp: 28656
Ion Ratio Lower Upper
162 100
127 30.9 23.6 35.4
164 34.1 26.7 40.1

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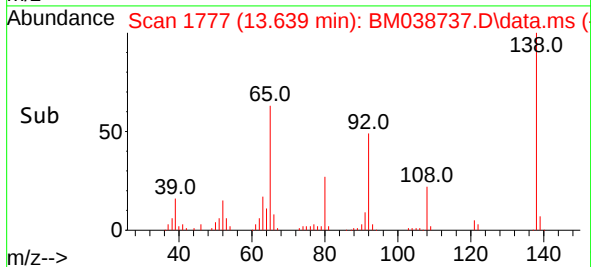
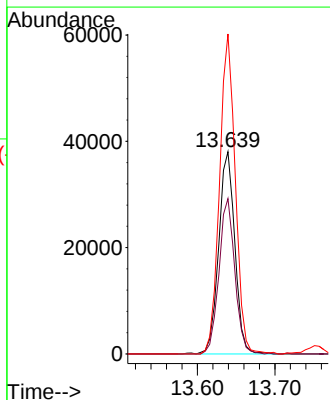
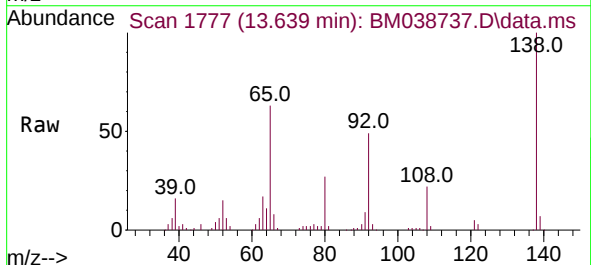
02/15/2023
Supervised By :Jagrut
Upadhyay

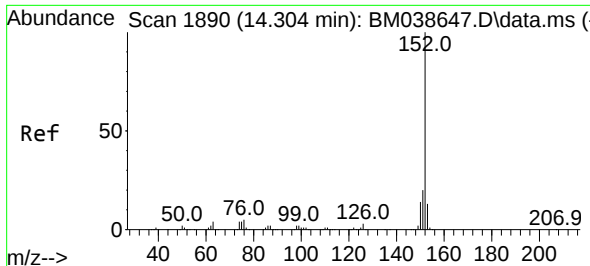
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#48
2-Nitroaniline
Concen: 43.203 ng
RT: 13.639 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

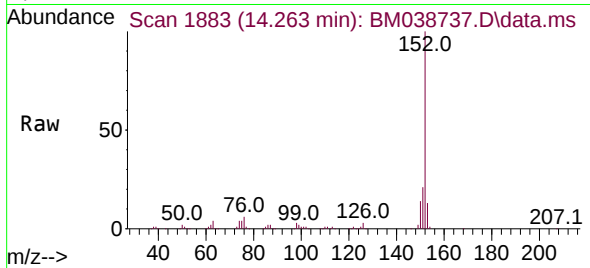
Tgt Ion: 65 Resp: 55024
Ion Ratio Lower Upper
65 100
92 76.8 55.9 83.9
138 158.3 110.6 166.0





#49
Acenaphthylene
Concen: 48.954 ng
RT: 14.263 min Scan# 1883
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



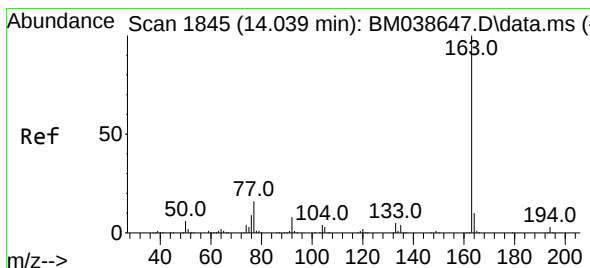
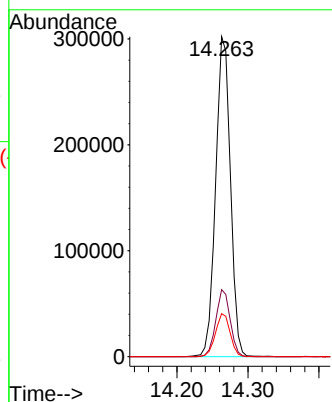
Tgt Ion:152 Resp: 437446
Ion Ratio Lower Upper
152 100
151 20.9 16.1 24.1
153 13.4 10.0 15.0

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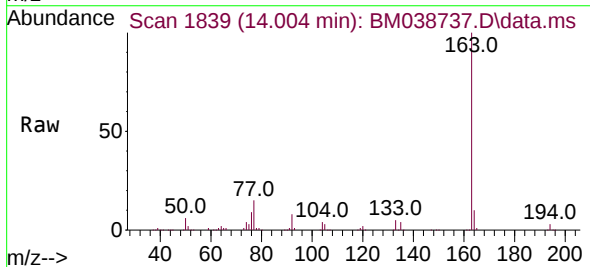
Reviewed By :Christian
Giraldo

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Supervised By :Jagrut
Upadhyay

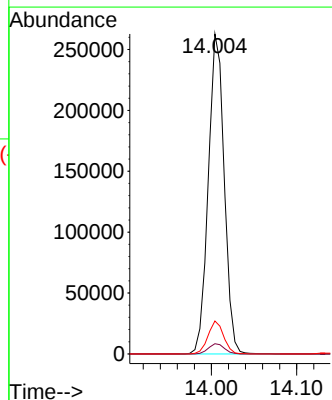
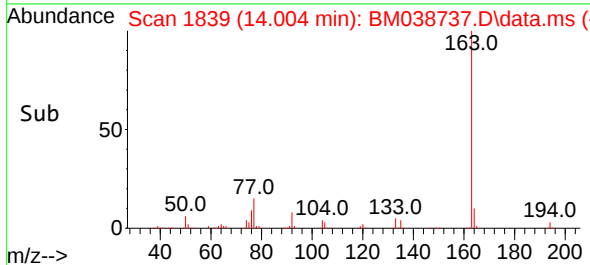
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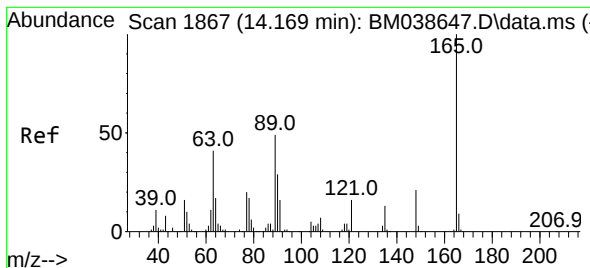


#50
Dimethylphthalate
Concen: 45.894 ng
RT: 14.004 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25



Tgt Ion:163 Resp: 340875
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.3 8.2 12.4





#51
2,6-Dinitrotoluene
Concen: 48.102 ng
RT: 14.133 min Scan# 1861
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD

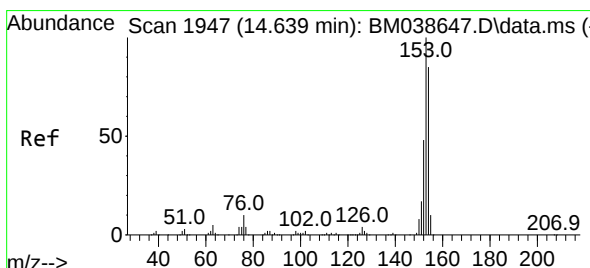
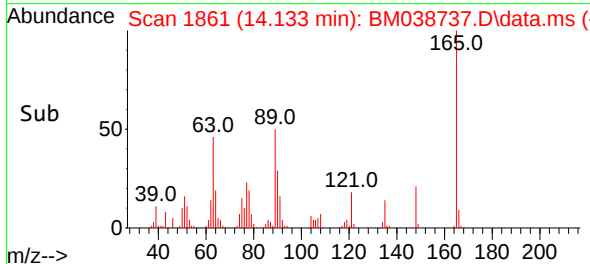
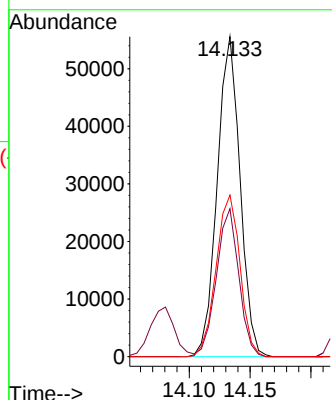
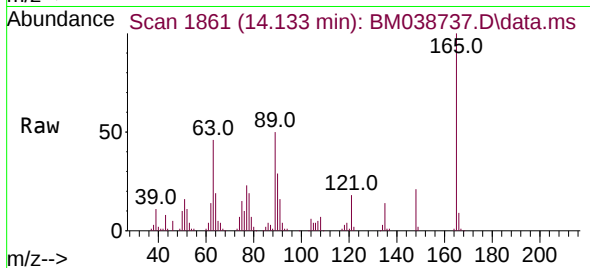
Tgt Ion:165 Resp: 72615
Ion Ratio Lower Upper
165 100
63 46.2 35.8 53.8
89 50.5 39.3 58.9

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Reviewed By :Christian
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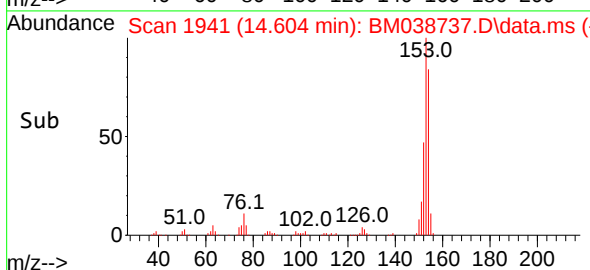
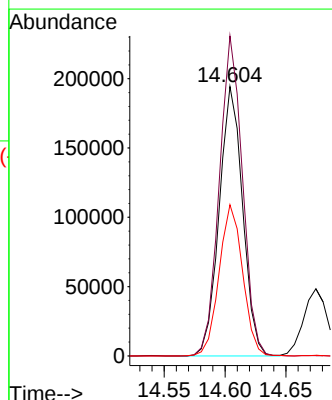
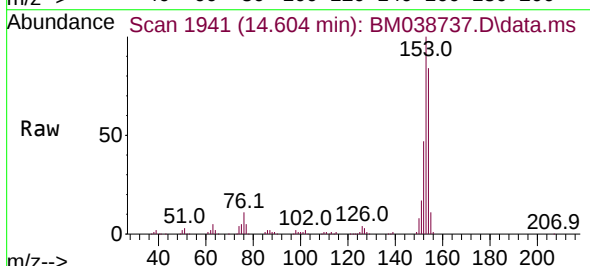
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Supervised By :Jagrut
Upadhyay

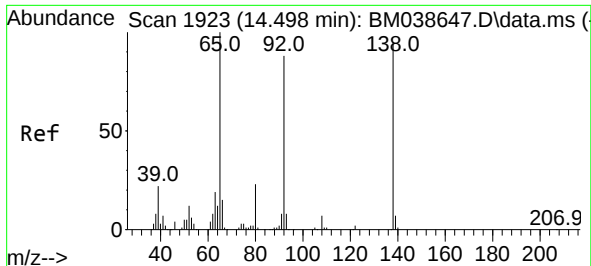
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#52
Acenaphthene
Concen: 48.775 ng
RT: 14.604 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

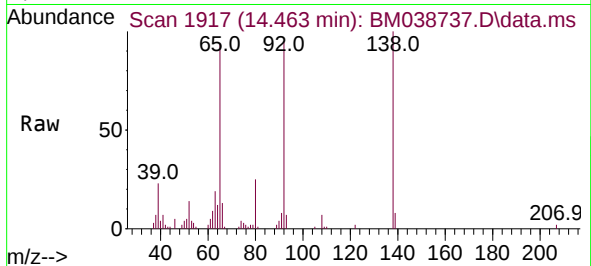
Tgt Ion:154 Resp: 260243
Ion Ratio Lower Upper
154 100
153 118.8 93.7 140.5
152 56.1 44.6 67.0





#53
3-Nitroaniline
Concen: 18.826 ng
RT: 14.463 min Scan# 1923
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



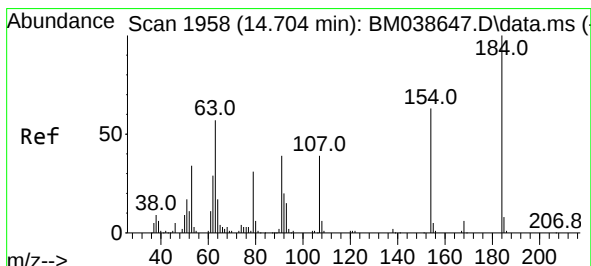
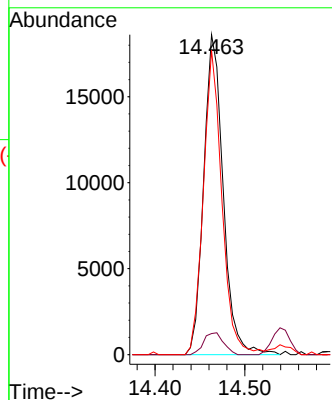
Tgt Ion:138 Resp: 28124
Ion Ratio Lower Upper
138 100
108 6.6 5.8 8.8
92 95.1 73.9 110.9

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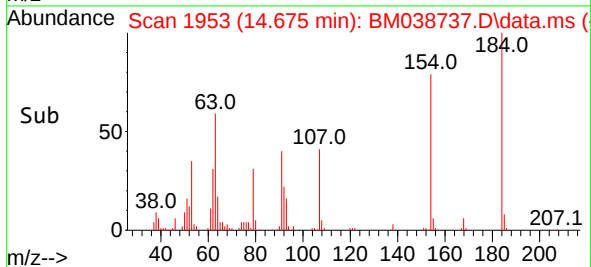
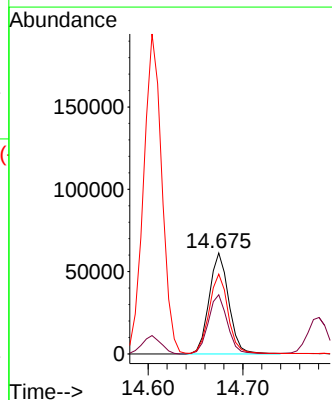
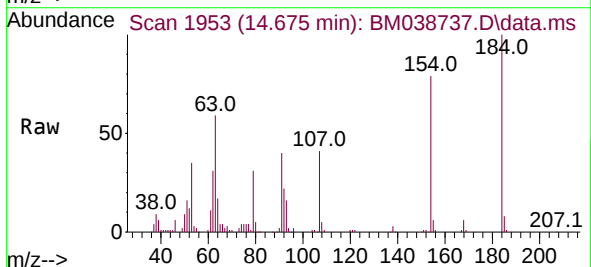
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Upadhyay

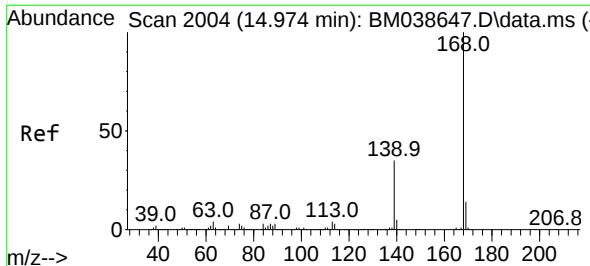
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#54
2,4-Dinitrophenol
Concen: 89.725 ng
RT: 14.675 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

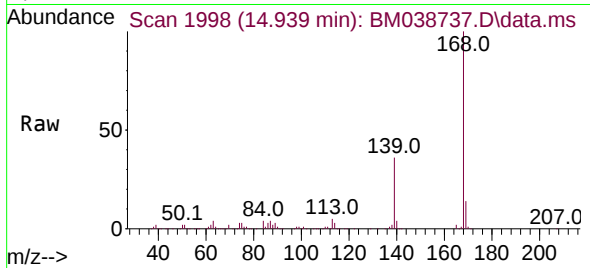
Tgt Ion:184 Resp: 88163
Ion Ratio Lower Upper
184 100
63 58.6 45.9 68.9
154 79.1 54.9 82.3





#55
Dibenzofuran
Concen: 45.294 ng
RT: 14.939 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



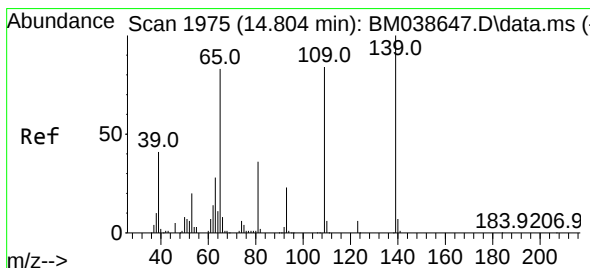
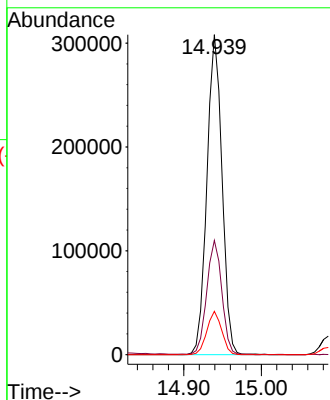
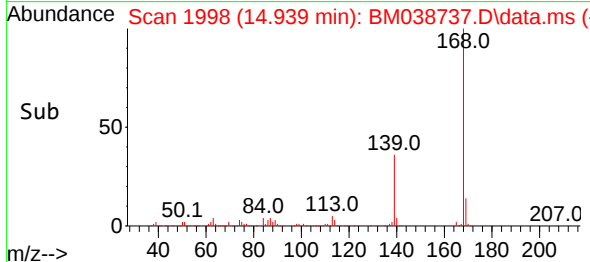
Tgt Ion:168 Resp: 416159
Ion Ratio Lower Upper
168 100
139 35.7 27.8 41.6
169 13.5 10.9 16.3

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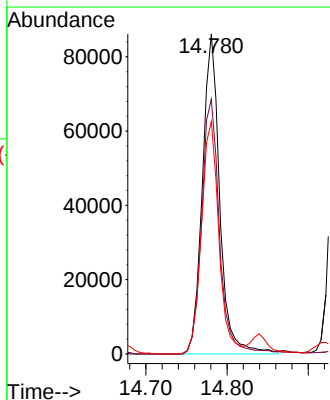
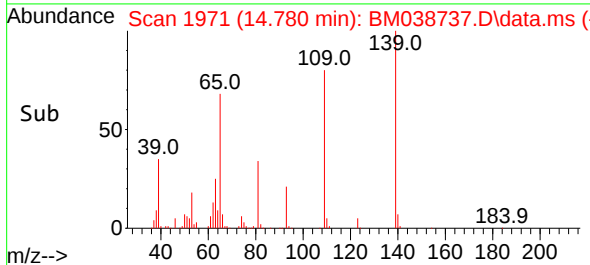
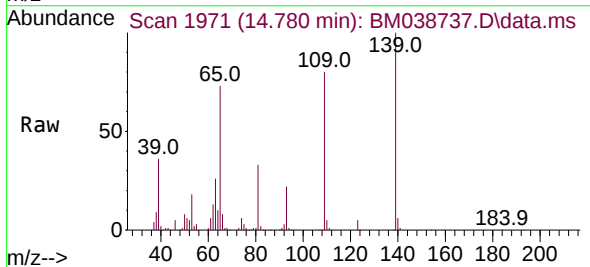
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Supervised By :Jagrut
Upadhyay

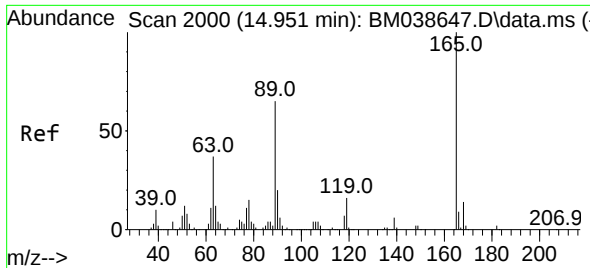
02/17/2023



#56
4-Nitrophenol
Concen: 105.649 ng
RT: 14.780 min Scan# 1971
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

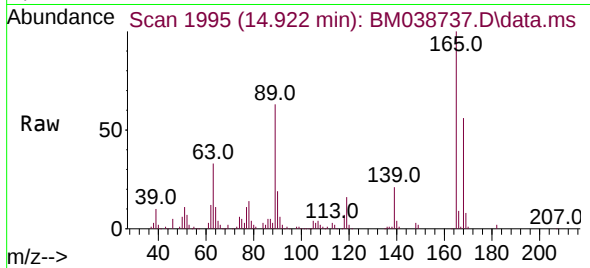
Tgt Ion:139 Resp: 127912
Ion Ratio Lower Upper
139 100
109 79.6 63.8 103.8
65 72.6 62.5 102.5





#57
2,4-Dinitrotoluene
Concen: 45.024 ng
RT: 14.922 min Scan# 19
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



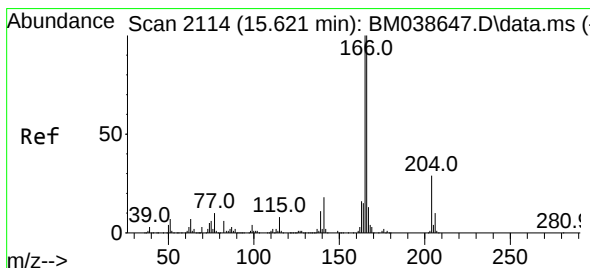
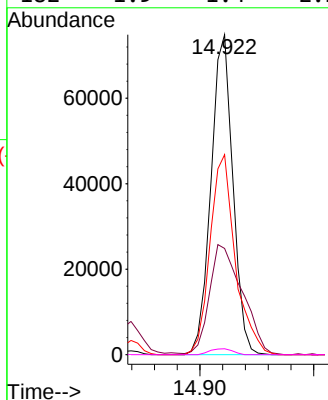
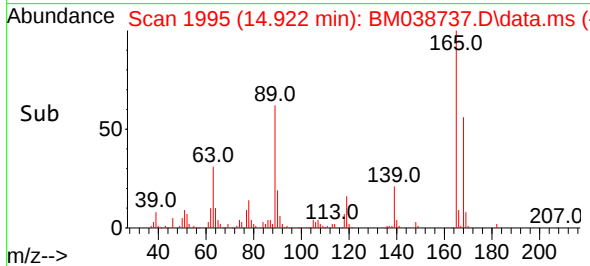
Tgt Ion:165 Resp: 100058
Ion Ratio Lower Upper
165 100
63 33.2 29.4 44.0
89 62.5 51.8 77.6
182 1.9 1.4 2.2

Manual Integrations
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Reviewed By :Christian
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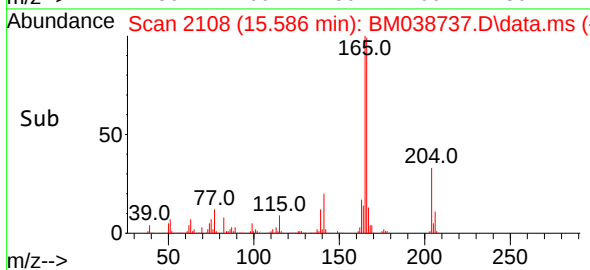
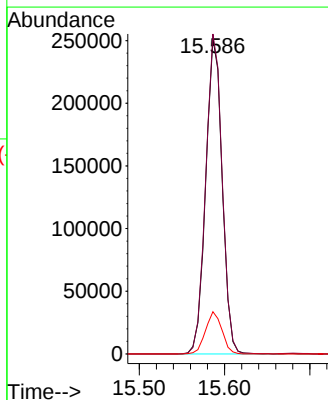
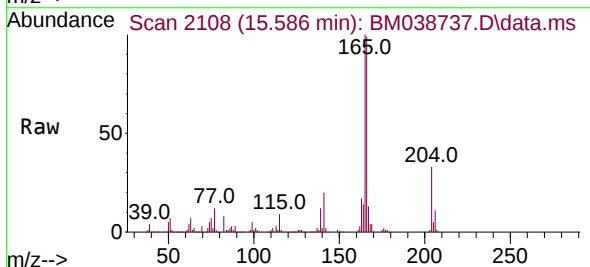
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Supervised By :Jagrut
Upadhyay

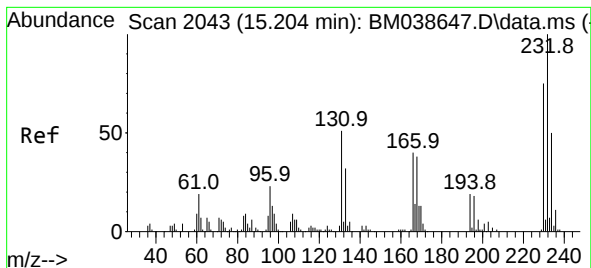
02/17/2023



#58
Fluorene
Concen: 46.271 ng
RT: 15.586 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

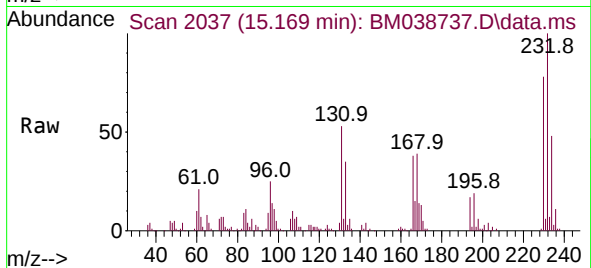
Tgt Ion:166 Resp: 336387
Ion Ratio Lower Upper
166 100
165 101.4 80.2 120.4
167 13.3 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.661 ng
RT: 15.169 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



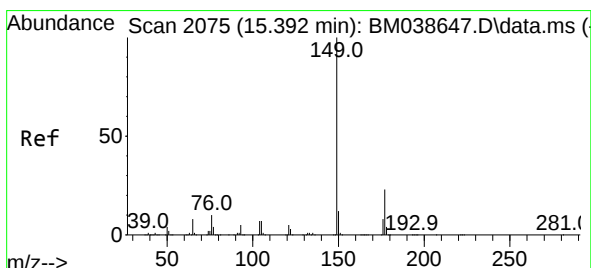
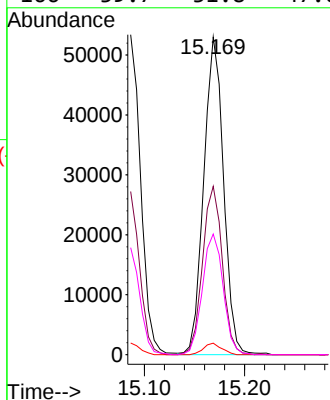
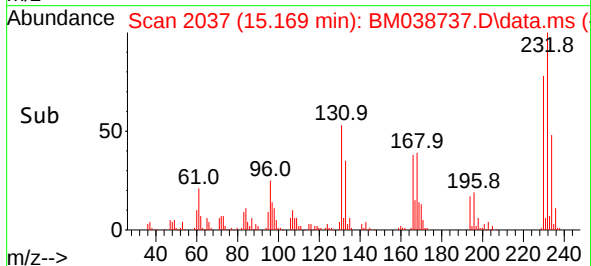
Tgt Ion:232 Resp: 72641
Ion Ratio Lower Upper
232 100
131 52.7 41.2 61.8
130 3.3 2.4 3.6
166 39.7 31.8 47.6

Manual Integrations
APPROVED

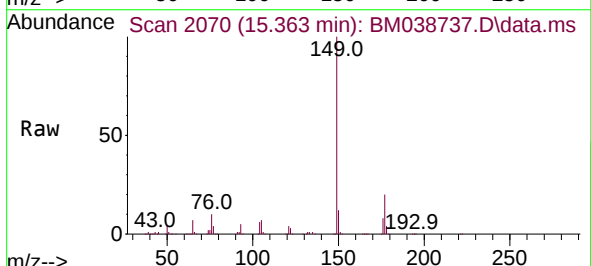
Reviewed By :Christian
Giraldo

02/15/2023
Supervised By :Jagrut
Upadhyay

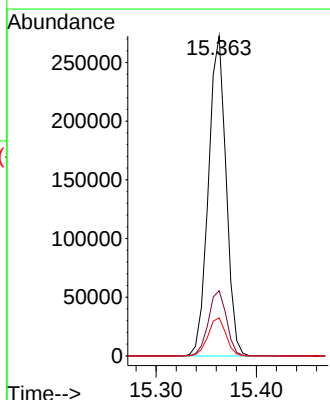
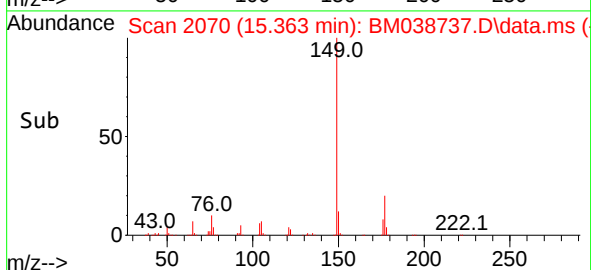
02/17/2023

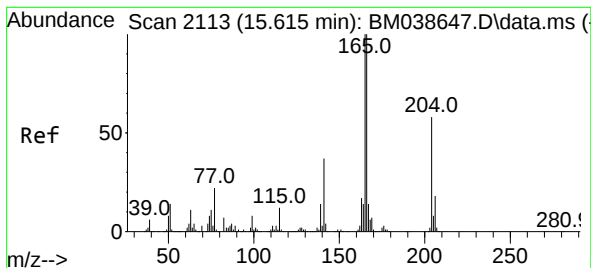


#60
Diethylphthalate
Concen: 47.288 ng
RT: 15.363 min Scan# 2070
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25



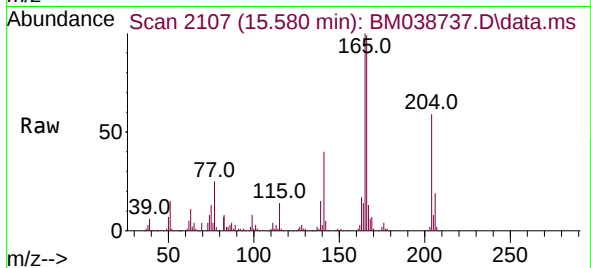
Tgt Ion:149 Resp: 332737
Ion Ratio Lower Upper
149 100
177 20.4 18.1 27.1
150 11.9 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 44.263 ng
RT: 15.580 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



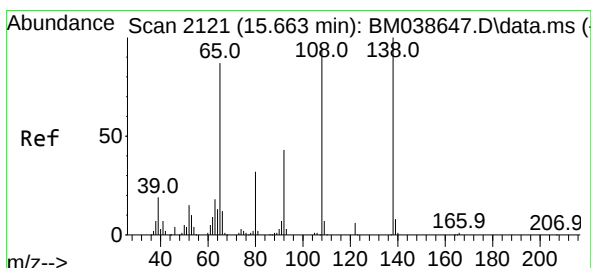
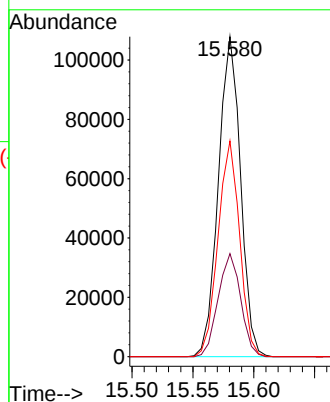
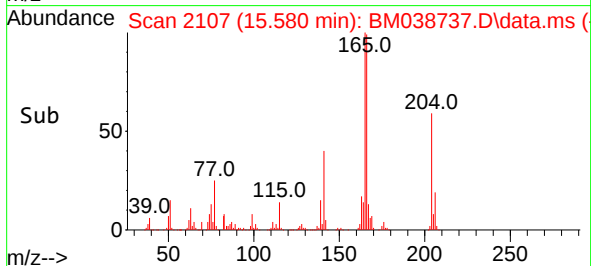
Tgt Ion:204 Resp: 136515
Ion Ratio Lower Upper
204 100
206 32.2 25.3 37.9
141 67.4 51.3 76.9

Manual Integrations
APPROVED

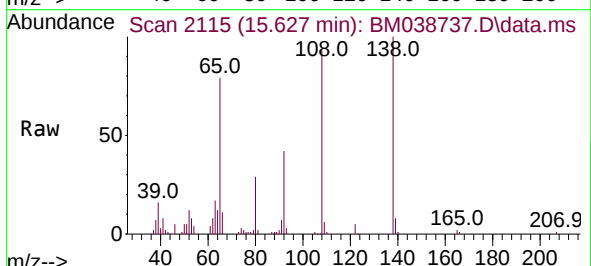
Reviewed By :Christian
Giraldo

02/15/2023
Supervised By :Jagrut
Upadhyay

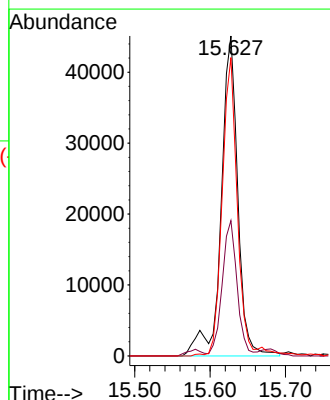
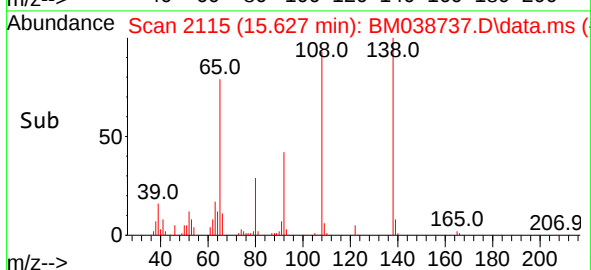
02/17/2023

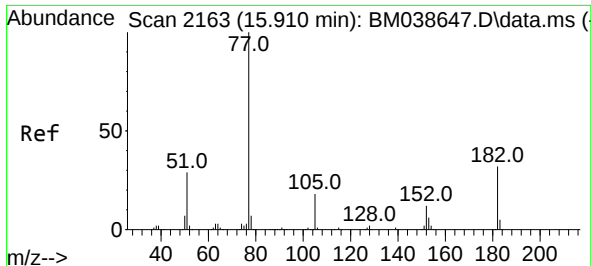


#62
4-Nitroaniline
Concen: 42.877 ng m
RT: 15.627 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25



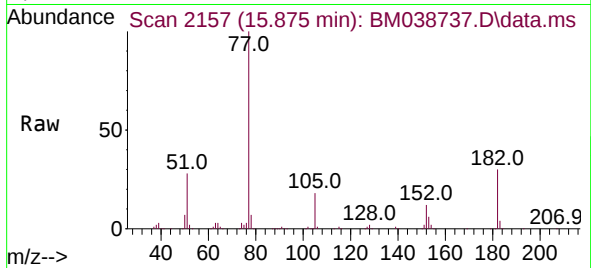
Tgt Ion:138 Resp: 69208
Ion Ratio Lower Upper
138 100
92 42.3 23.4 63.4
108 93.2 75.1 115.1





#63
Azobenzene
Concen: 50.186 ng
RT: 15.875 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



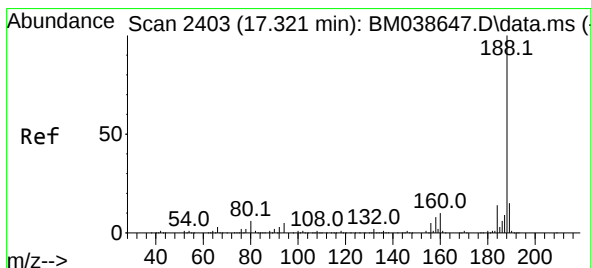
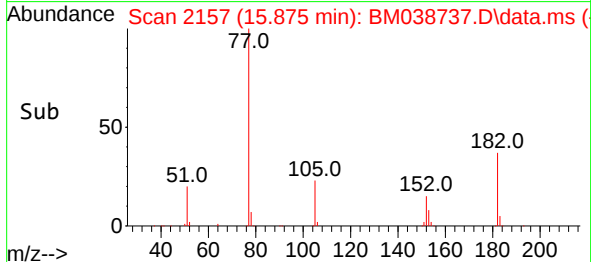
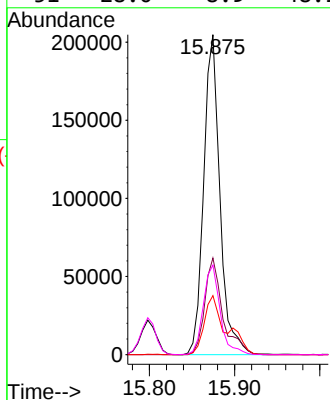
Tgt Ion: 77 Resp: 271685
Ion Ratio Lower Upper
77 100
182 30.2 12.0 52.0
105 18.5 0.0 37.5
51 28.0 8.9 48.9

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

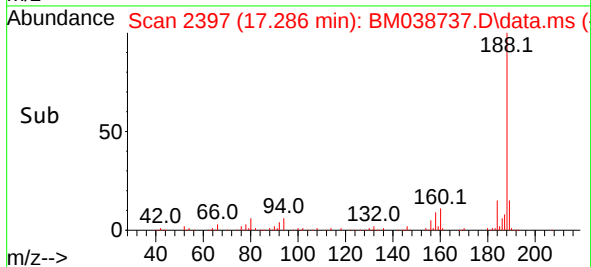
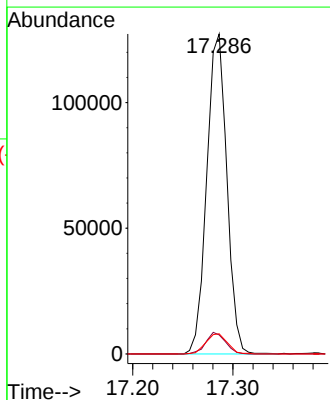
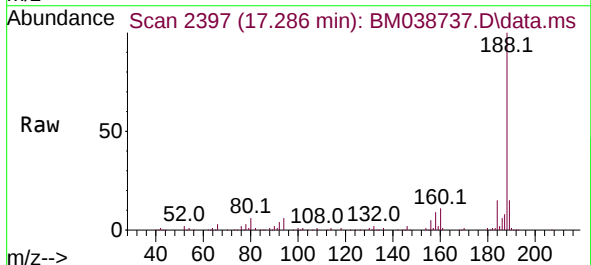
02/15/2023
Supervised By :Jagrut
Upadhyay

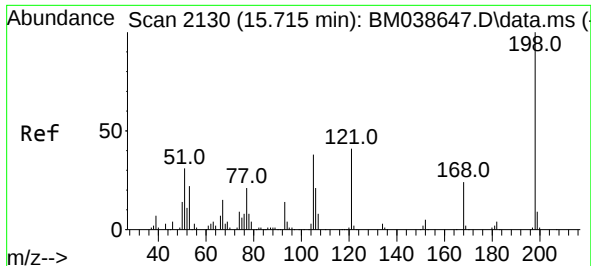
02/17/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2397
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Tgt Ion:188 Resp: 176903
Ion Ratio Lower Upper
188 100
94 5.9 4.2 6.4
80 6.3 4.6 7.0





#65
4,6-Dinitro-2-methylphenol
Concen: 44.178 ng
RT: 15.680 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD

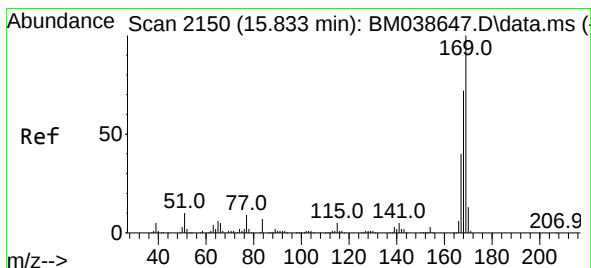
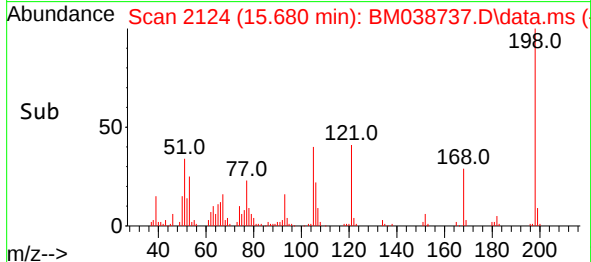
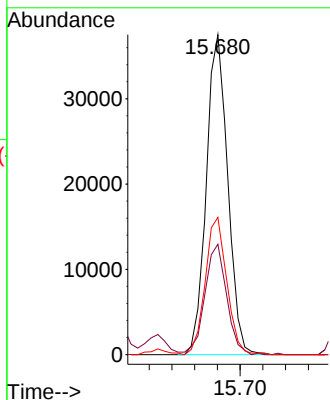
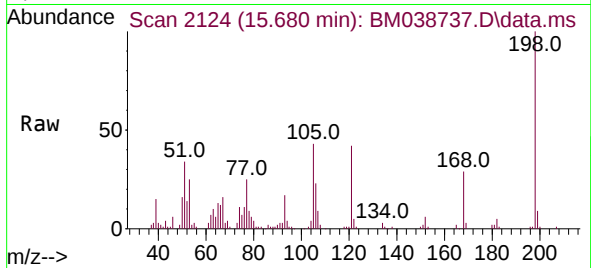
Tgt Ion:198 Resp: 49198
Ion Ratio Lower Upper
198 100
51 34.5 13.0 53.0
105 42.9 17.9 57.9

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

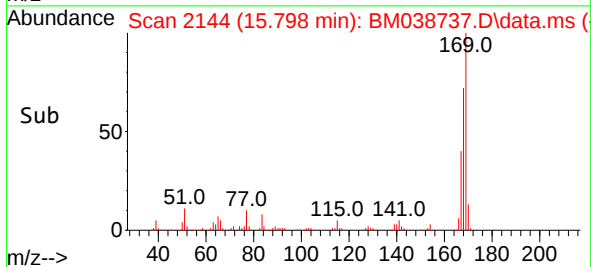
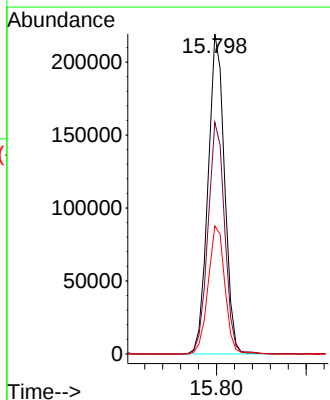
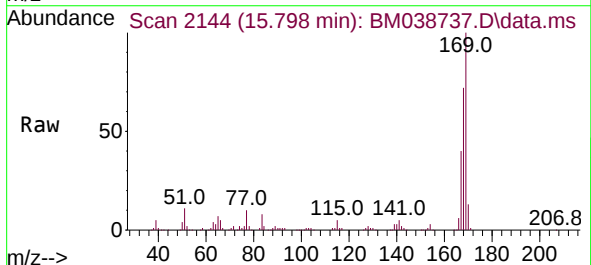
02/15/2023
Supervised By :Jagrut
Upadhyay

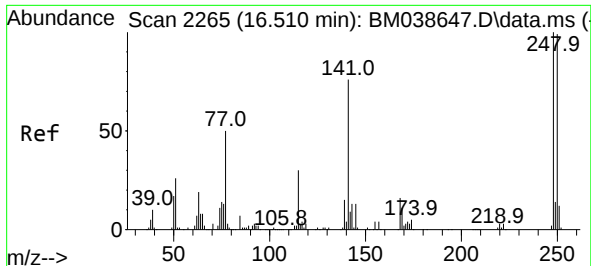
02/17/2023



#66
n-Nitrosodiphenylamine
Concen: 48.315 ng
RT: 15.798 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

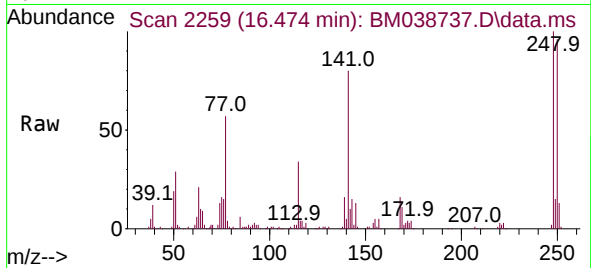
Tgt Ion:169 Resp: 279079
Ion Ratio Lower Upper
169 100
168 72.4 57.6 86.4
167 40.0 32.3 48.5





#67
4-Bromophenyl-phenylether
Concen: 48.091 ng
RT: 16.474 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



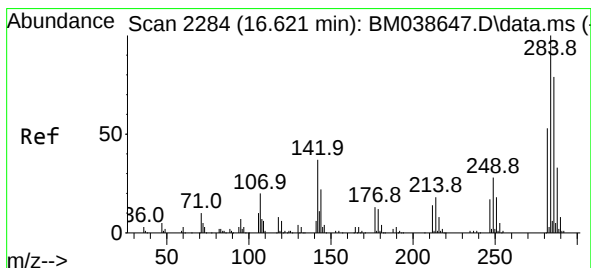
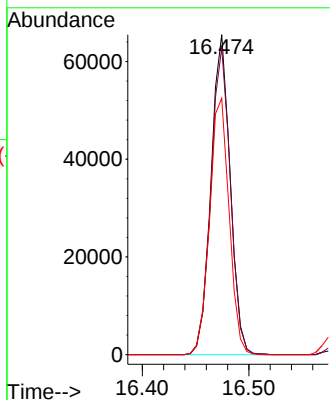
Tgt Ion:248 Resp: 82144
Ion Ratio Lower Upper
248 100
250 95.9 79.4 119.2
141 80.1 61.0 91.6

Manual Integrations
APPROVED

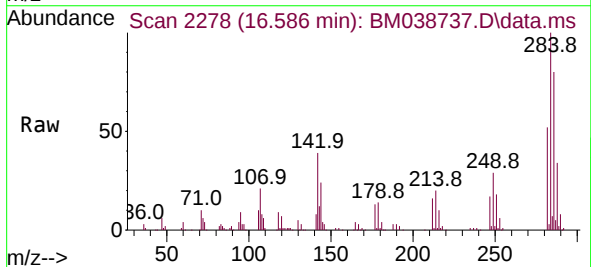
Reviewed By :Christian
Giraldo

02/15/2023
Supervised By :Jagrut
Upadhyay

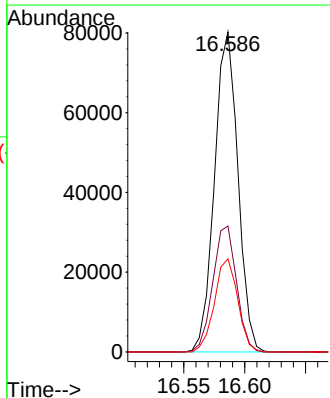
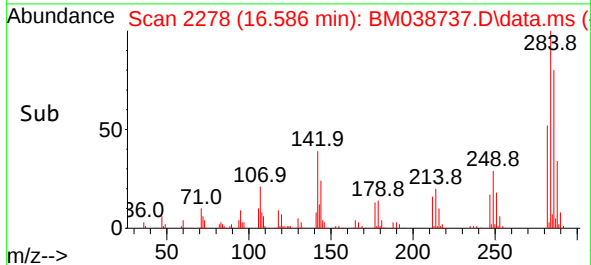
02/17/2023

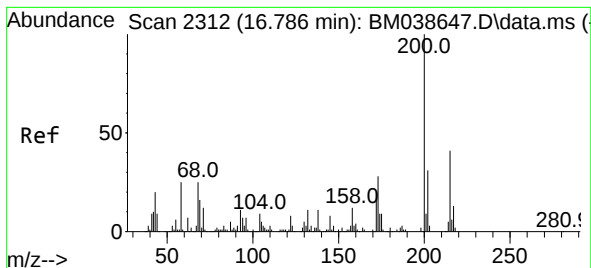


#68
Hexachlorobenzene
Concen: 51.386 ng
RT: 16.586 min Scan# 2278
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25



Tgt Ion:284 Resp: 107270
Ion Ratio Lower Upper
284 100
142 39.3 29.8 44.6
249 29.1 22.2 33.4





#69

Atrazine

Concen: 52.643 ng

RT: 16.751 min Scan# 2312

Delta R.T. 0.000 min

Lab File: BM038737.D

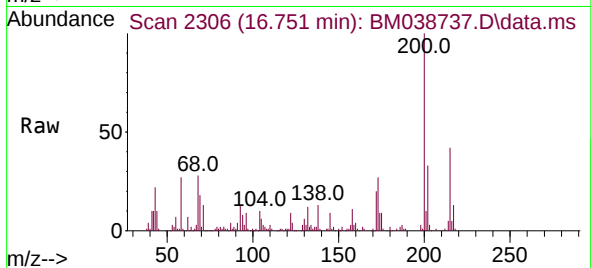
Acq: 14 Feb 2023 19:25

Instrument :

BNA_M

ClientSampleId :

SOILMSD



Tgt Ion:	200	Resp:	8813
Ion Ratio	Lower	Upper	
200	100		
173	26.7	7.9	47.9
215	42.1	20.8	60.8

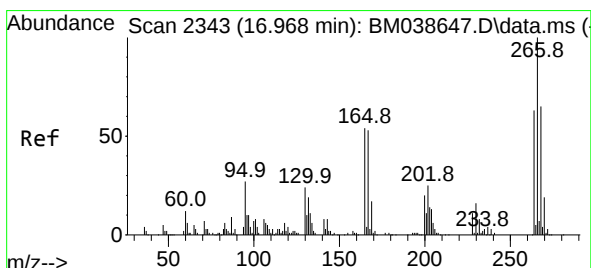
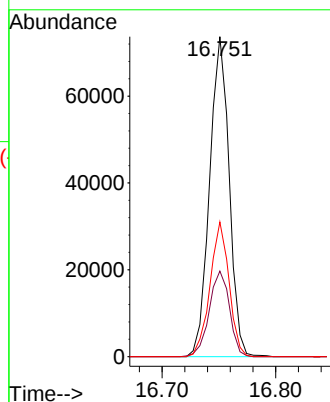
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

02/15/2023

Supervised By :Jagrut
Upadhyay

02/17/2023



#70

Pentachlorophenol

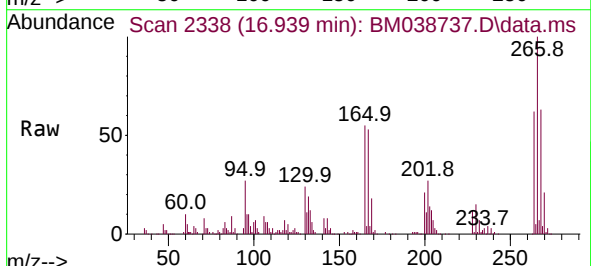
Concen: 85.996 ng

RT: 16.939 min Scan# 2338

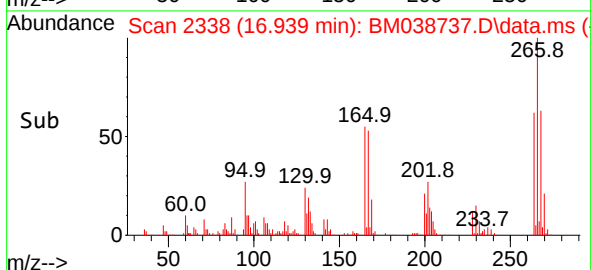
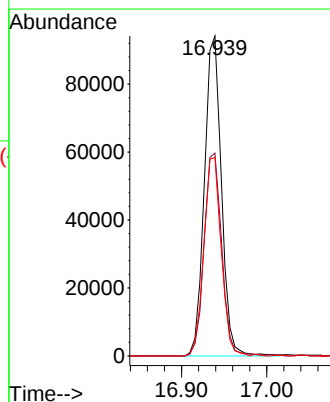
Delta R.T. 0.000 min

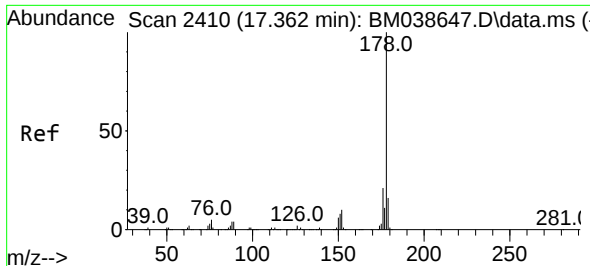
Lab File: BM038737.D

Acq: 14 Feb 2023 19:25



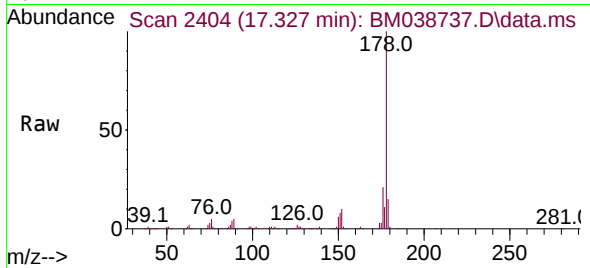
Tgt Ion:	266	Resp:	130866
Ion Ratio	Lower	Upper	
266	100		
268	63.4	51.8	77.6
264	62.0	50.6	76.0





#71
Phenanthrene
Concen: 48.599 ng
RT: 17.327 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



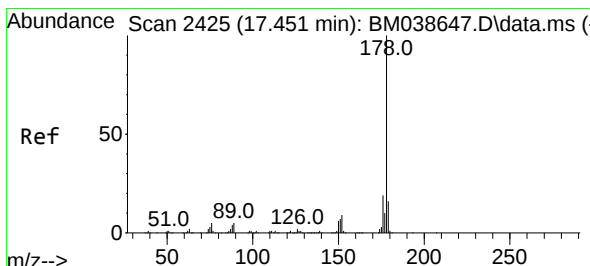
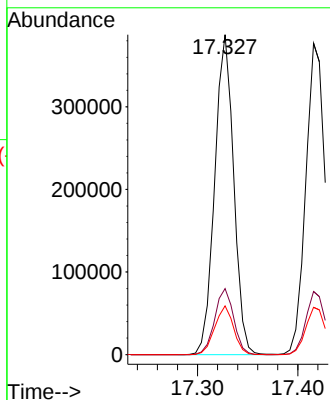
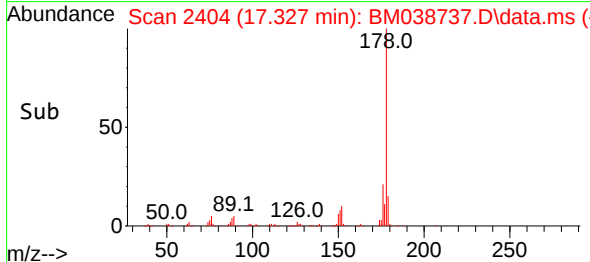
Tgt Ion:178 Resp: 510481
Ion Ratio Lower Upper
178 100
176 20.6 16.7 25.1
179 15.2 12.5 18.7

Manual Integrations
APPROVED

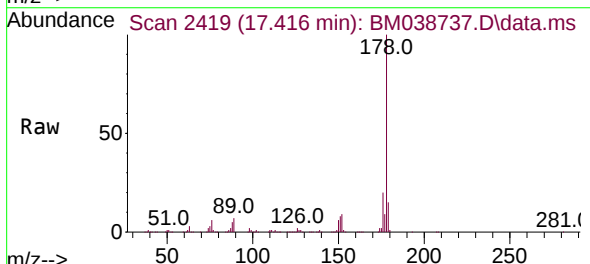
Reviewed By :Christian
Giraldo

02/15/2023
Supervised By :Jagrut
Upadhyay

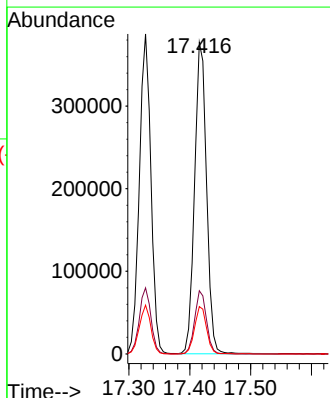
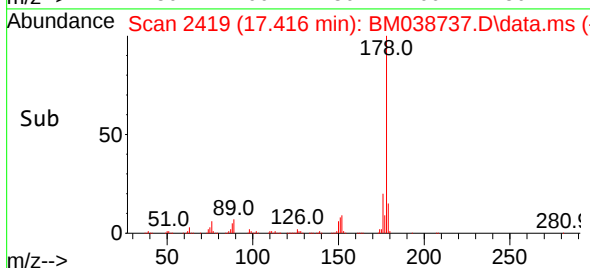
02/17/2023

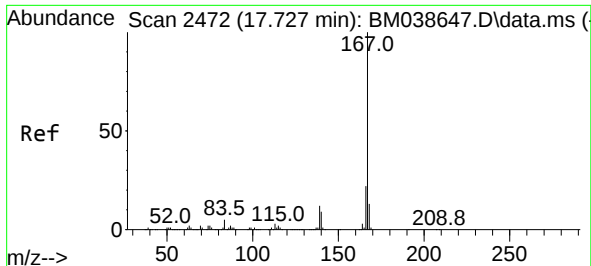


#72
Anthracene
Concen: 47.963 ng
RT: 17.416 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25



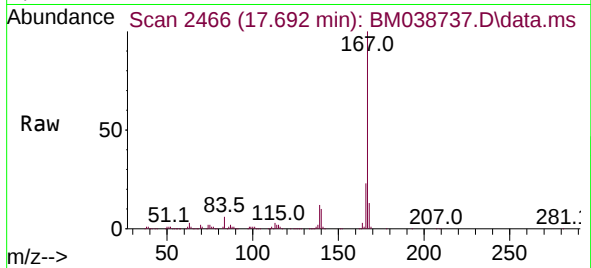
Tgt Ion:178 Resp: 515395
Ion Ratio Lower Upper
178 100
176 20.3 15.6 23.4
179 15.2 12.4 18.6





#73
 Carbazole
 Concen: 49.961 ng
 RT: 17.692 min Scan# 2472
 Delta R.T. -0.006 min
 Lab File: BM038737.D
 Acq: 14 Feb 2023 19:25

Instrument :
 BNA_M
 ClientSampleId :
 SOILMSD



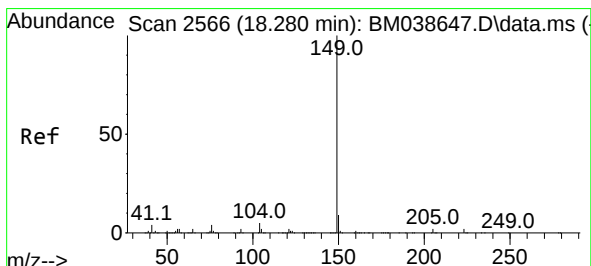
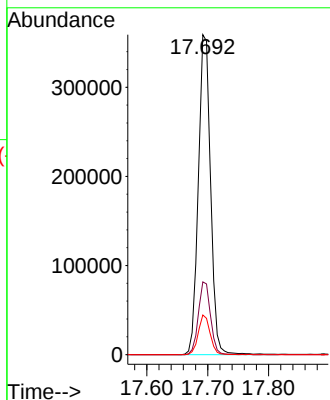
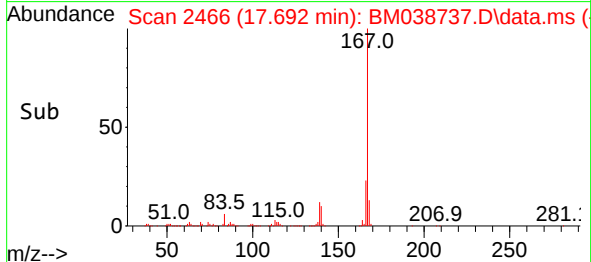
Tgt Ion:167 Resp: 500703
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.8 26.6
 139 12.4 9.4 14.2

Manual Integrations
 APPROVED

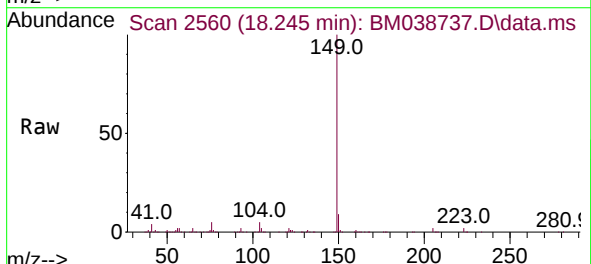
Reviewed By :Christian
 Giraldo

02/15/2023
 Supervised By :Jagrut
 Upadhyay

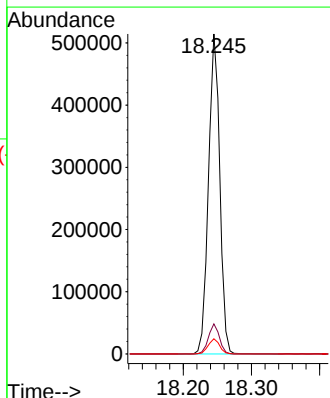
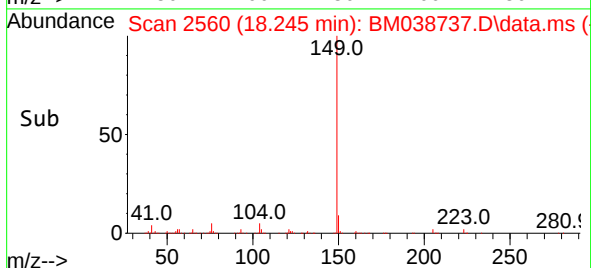
02/17/2023

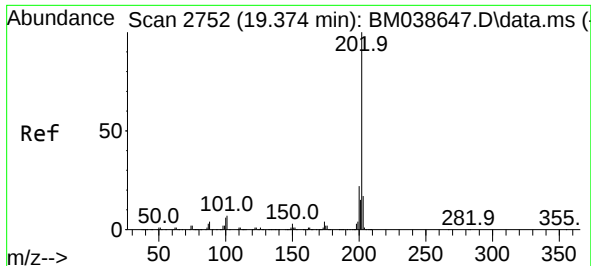


#74
 Di-n-butylphthalate
 Concen: 52.175 ng
 RT: 18.245 min Scan# 2560
 Delta R.T. 0.000 min
 Lab File: BM038737.D
 Acq: 14 Feb 2023 19:25



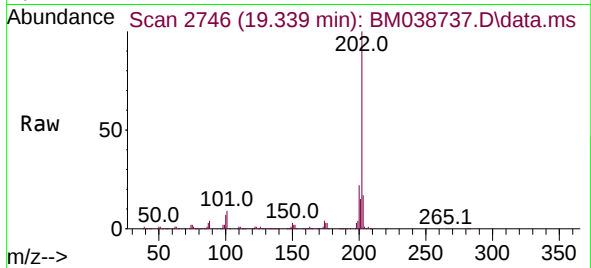
Tgt Ion:149 Resp: 590759
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.0
 104 4.7 3.8 5.6





#75
Fluoranthene
Concen: 47.842 ng
RT: 19.339 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



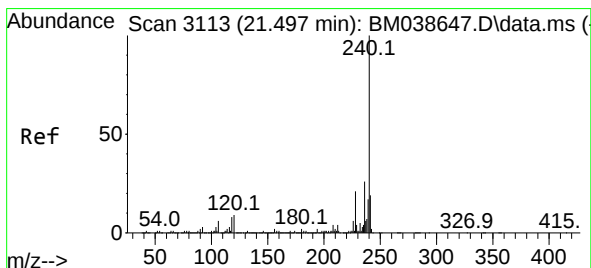
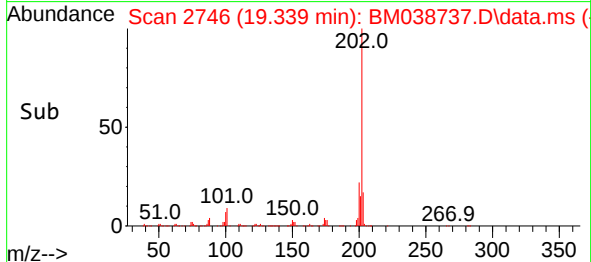
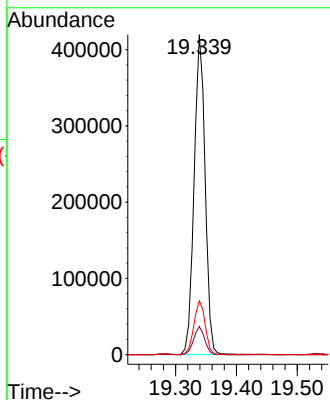
Tgt Ion:202 Resp: 527631
Ion Ratio Lower Upper
202 100
101 8.8 0.0 27.4
203 16.8 0.0 37.3

Manual Integrations
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Reviewed By :Christian
Giraldo

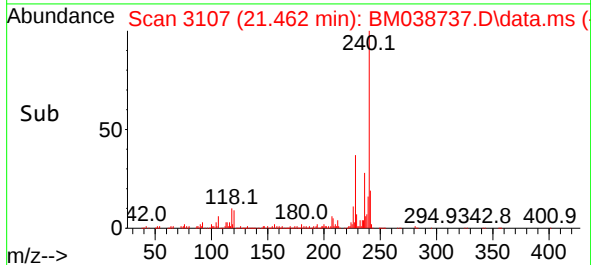
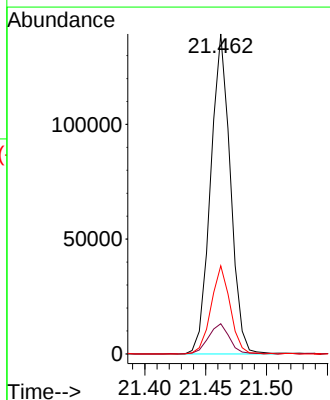
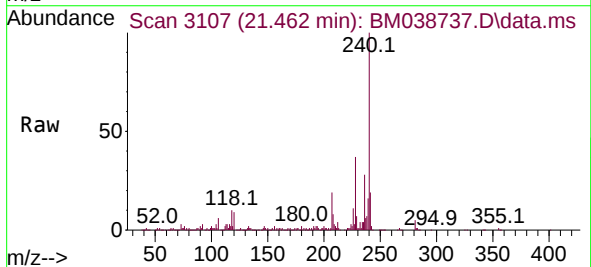
02/15/2023
Supervised By :Jagrut
Upadhyay

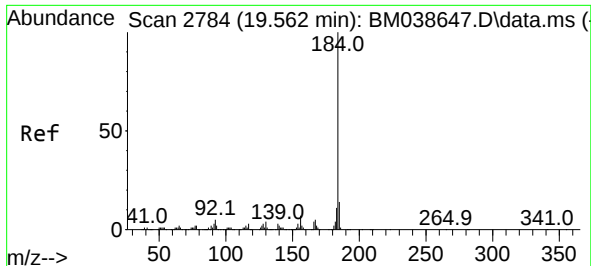
02/17/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

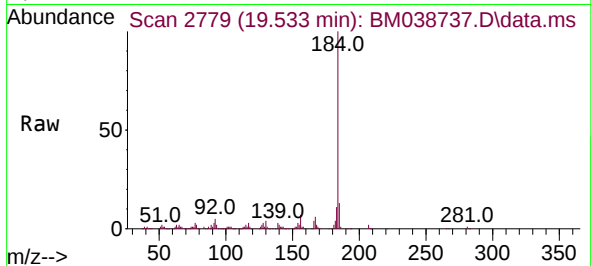
Tgt Ion:240 Resp: 157861
Ion Ratio Lower Upper
240 100
120 9.4 7.0 10.4
236 27.5 20.9 31.3





#77
Benzidine
Concen: 64.915 ng
RT: 19.533 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



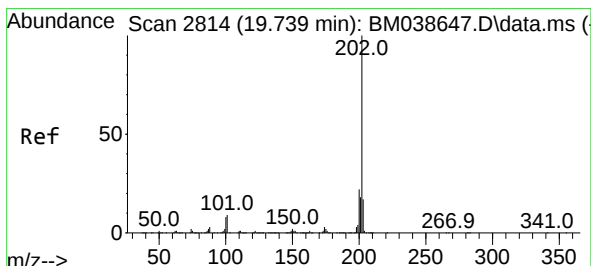
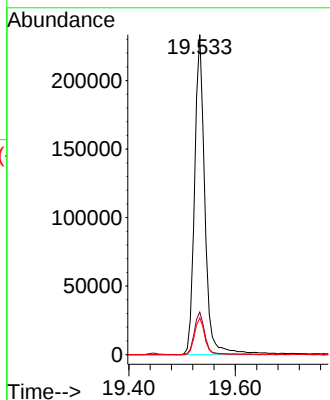
Tgt Ion:184 Resp: 31344
Ion Ratio Lower Upper
184 100
185 13.3 10.8 16.2
183 11.5 8.8 13.2

Manual Integrations
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Reviewed By :Christian
Giraldo

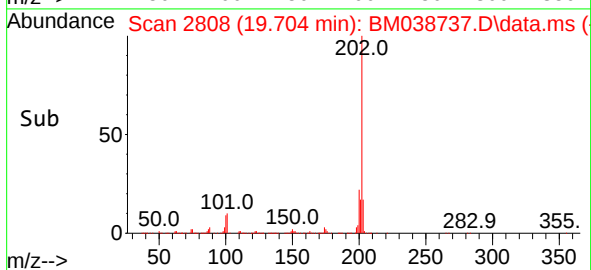
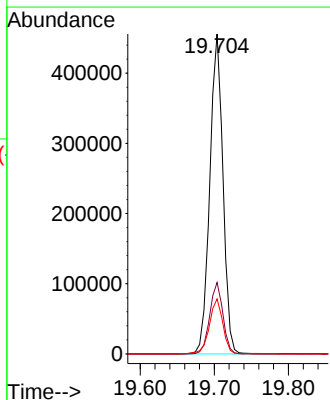
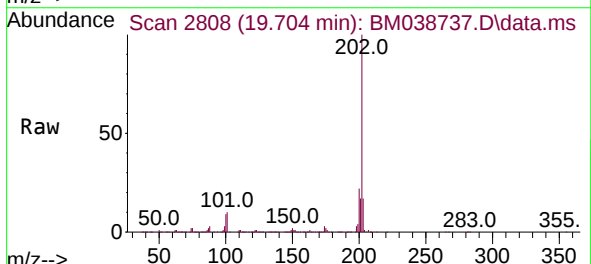
02/15/2023
Supervised By :Jagrut
Upadhyay

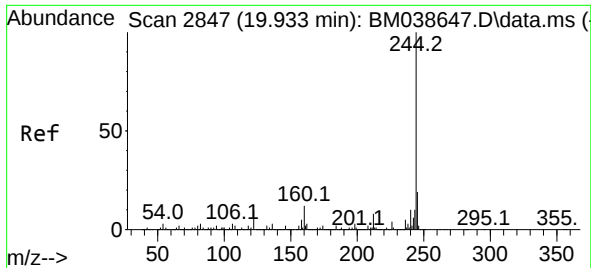
02/17/2023



#78
Pyrene
Concen: 46.242 ng
RT: 19.704 min Scan# 2808
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Tgt Ion:202 Resp: 562019
Ion Ratio Lower Upper
202 100
200 22.3 17.8 26.6
203 17.2 13.5 20.3





#79
 Terphenyl-d14
 Concen: 61.761 ng
 RT: 19.904 min Scan# 2847
 Delta R.T. 0.000 min
 Lab File: BM038737.D
 Acq: 14 Feb 2023 19:25

Instrument :
 BNA_M
 ClientSampleId :
 SOILMSD

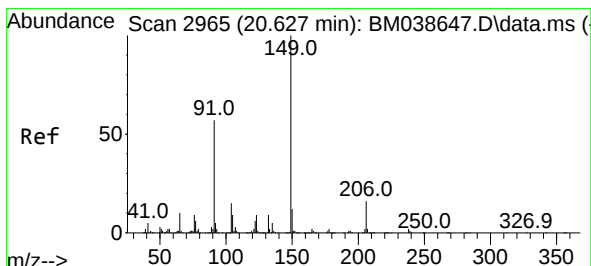
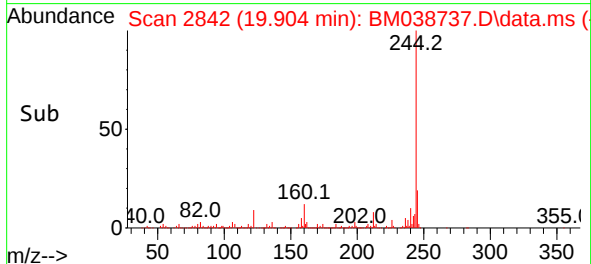
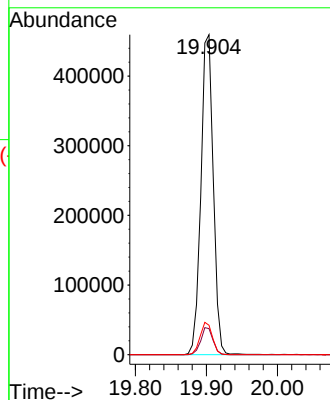
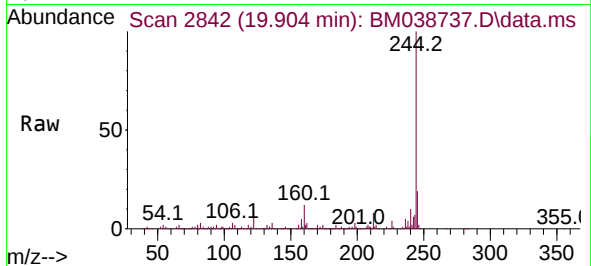
Tgt Ion:244 Resp: 552493
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 9.8
 122 9.2 7.8 11.8

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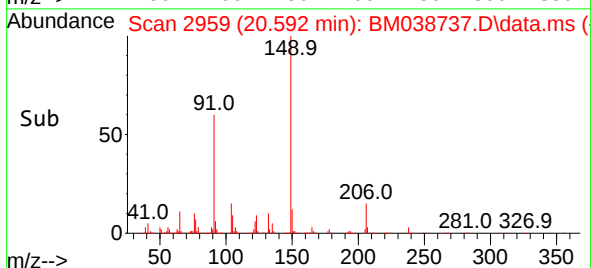
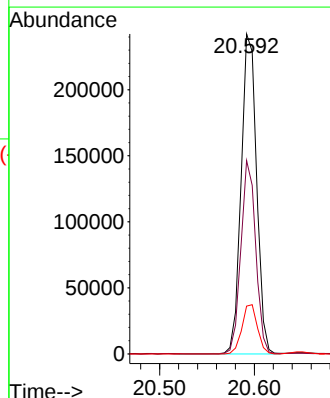
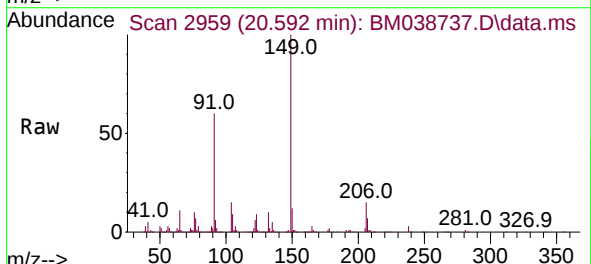
02/15/2023
 Supervised By :Jagrut
 Upadhyay

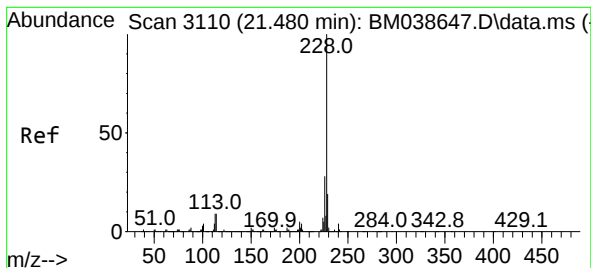
02/17/2023



#80
 Butylbenzylphthalate
 Concen: 45.563 ng
 RT: 20.592 min Scan# 2959
 Delta R.T. 0.000 min
 Lab File: BM038737.D
 Acq: 14 Feb 2023 19:25

Tgt Ion:149 Resp: 275059
 Ion Ratio Lower Upper
 149 100
 91 60.4 45.6 68.4
 206 14.9 12.5 18.7





#81

Benzo(a)anthracene

Concen: 48.751 ng

RT: 21.445 min Scan# 3110

Delta R.T. 0.000 min

Lab File: BM038737.D

Acq: 14 Feb 2023 19:25

Instrument :

BNA_M

ClientSampleId :

SOILMSD

Tgt Ion:228 Resp: 544386

Ion Ratio Lower Upper

228 100

226 27.8 22.2 33.4

229 19.0 15.5 23.3

Manual Integrations

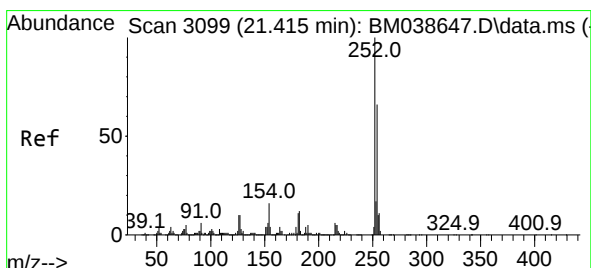
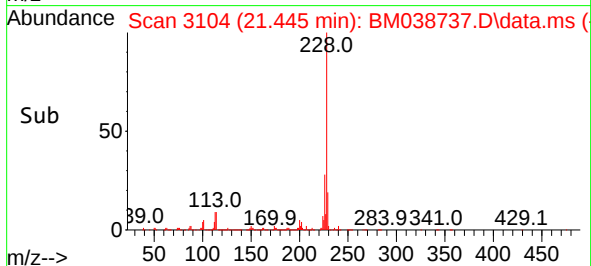
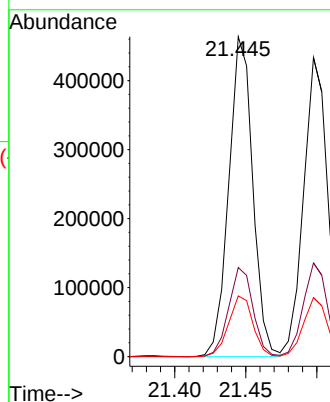
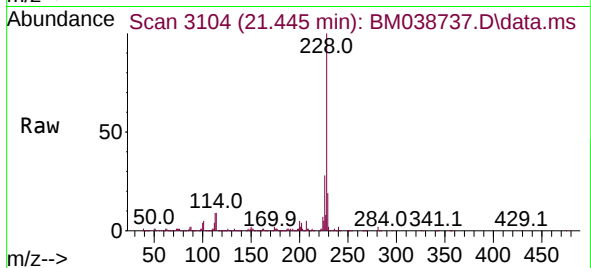
APPROVED

Reviewed By :Christian
Giraldo

02/15/2023

Supervised By :Jagrut
Upadhyay

02/17/2023



#82

3,3'-Dichlorobenzidine

Concen: 27.800 ng

RT: 21.386 min Scan# 3094

Delta R.T. 0.000 min

Lab File: BM038737.D

Acq: 14 Feb 2023 19:25

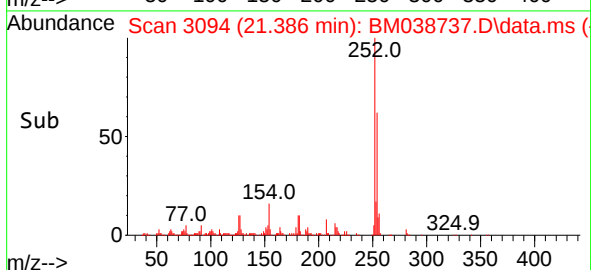
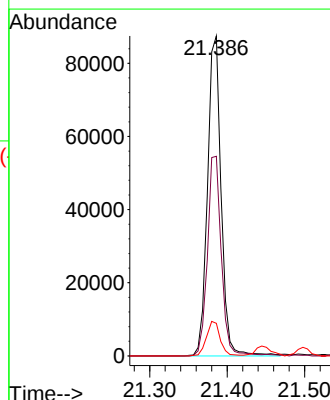
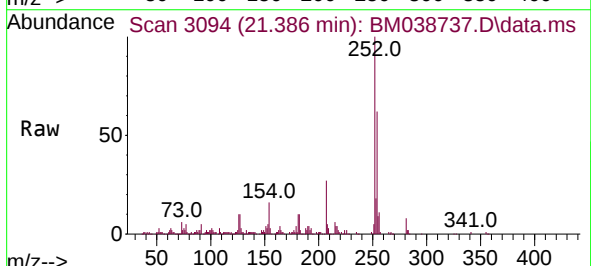
Tgt Ion:252 Resp: 106801

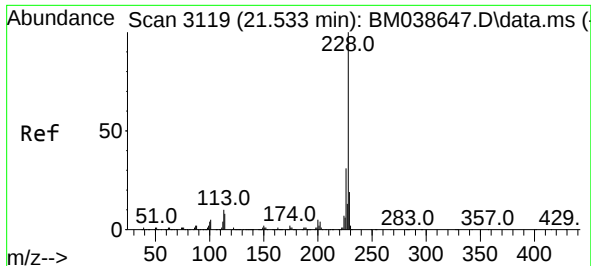
Ion Ratio Lower Upper

252 100

254 62.4 52.8 79.2

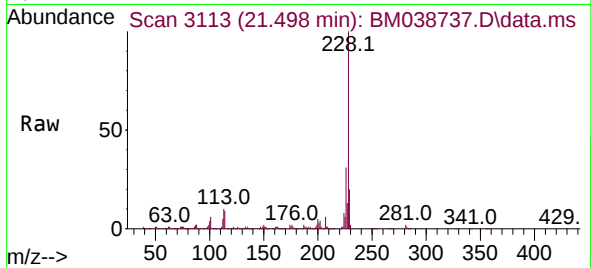
126 10.2 8.2 12.2





#83
Chrysene
Concen: 47.636 ng
RT: 21.498 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



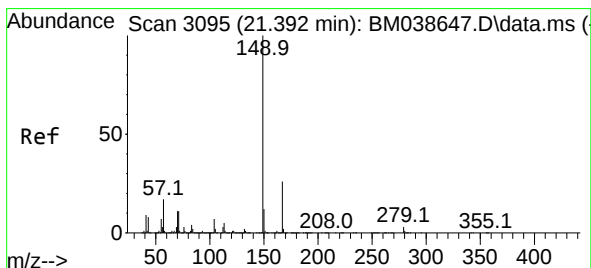
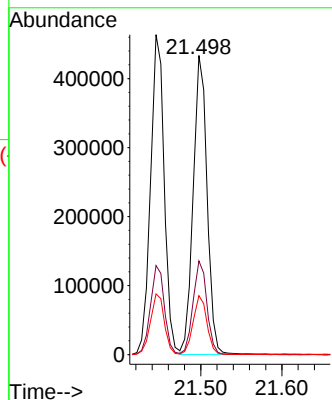
Tgt Ion:228 Resp: 512513
Ion Ratio Lower Upper
228 100
226 31.3 24.7 37.1
229 19.7 15.5 23.3

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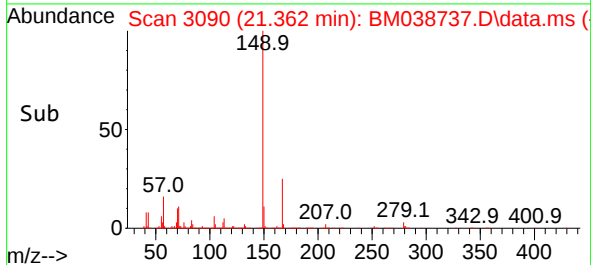
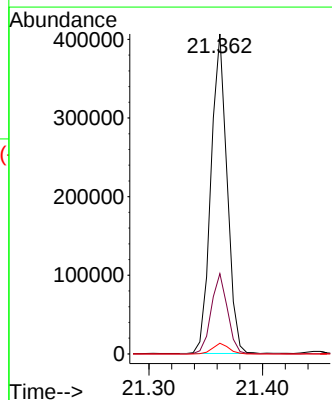
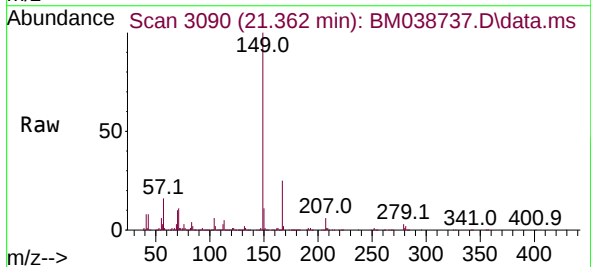
02/15/2023
Supervised By :Jagrut
Upadhyay

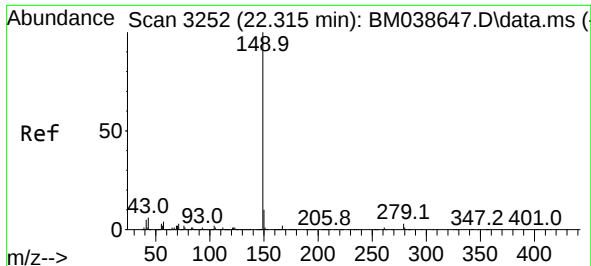
02/17/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 45.551 ng
RT: 21.362 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

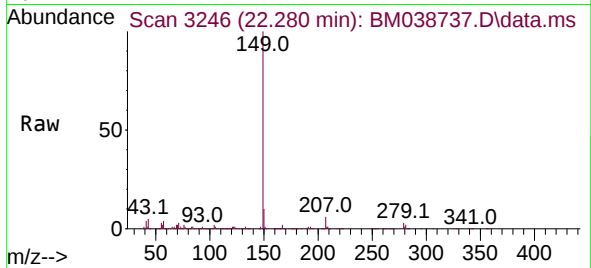
Tgt Ion:149 Resp: 400352
Ion Ratio Lower Upper
149 100
167 25.1 20.8 31.2
279 3.3 2.5 3.7





#85
Di-n-octyl phthalate
Concen: 50.286 ng
RT: 22.280 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



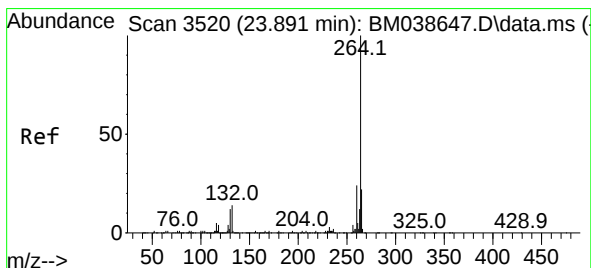
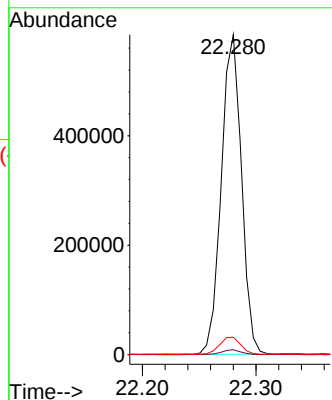
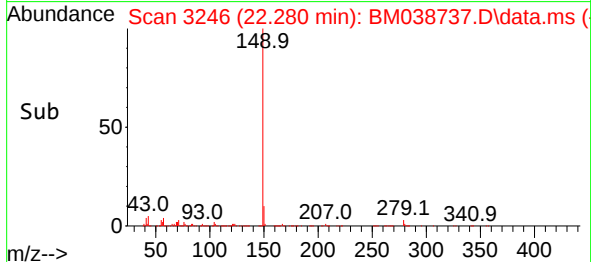
Tgt Ion:149 Resp: 719394
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 5.8 4.6 6.8

Manual Integrations
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Reviewed By :Christian
Giraldo

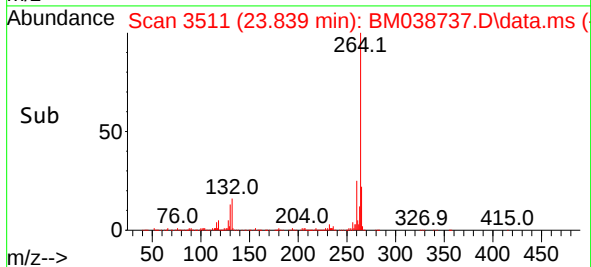
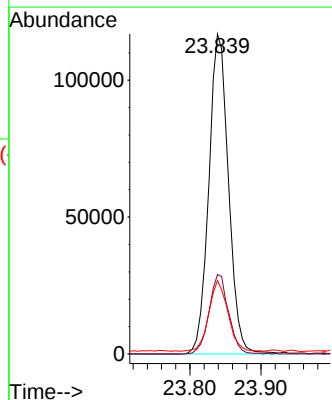
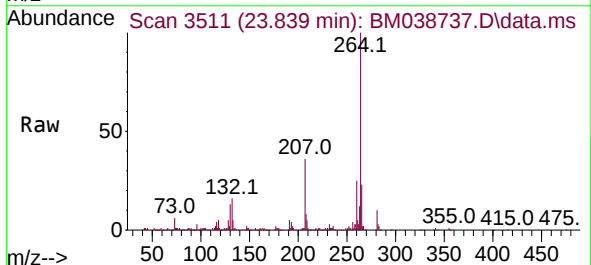
02/15/2023
Supervised By :Jagrut
Upadhyay

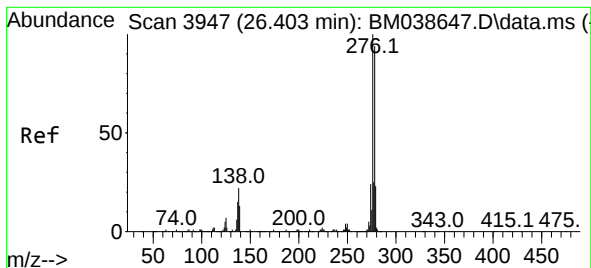
02/17/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.839 min Scan# 3511
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Tgt Ion:264 Resp: 225090
Ion Ratio Lower Upper
264 100
260 24.8 19.6 29.4
265 22.9 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.882 ng

RT: 26.321 min Scan# 3947

Delta R.T. 0.006 min

Lab File: BM038737.D

Acq: 14 Feb 2023 19:25

Instrument :

BNA_M

ClientSampleId :

SOILMSD

Tgt Ion:276 Resp: 937579

Ion	Ratio	Lower	Upper
276	100		
138	23.5	17.2	25.8
277	25.2	20.2	30.4

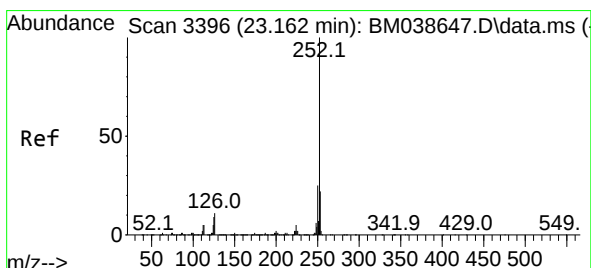
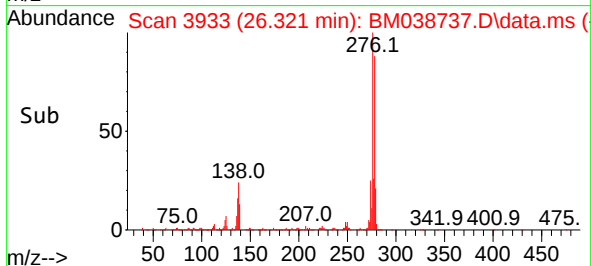
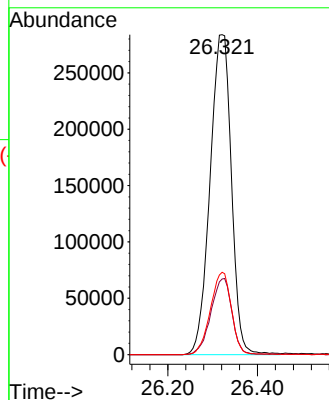
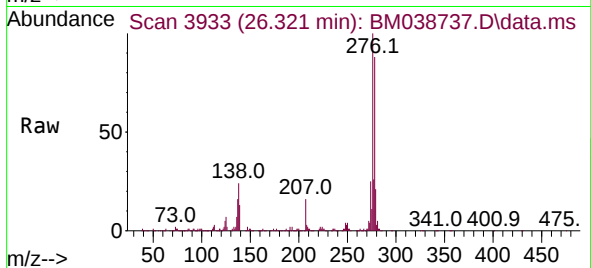
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

02/15/2023

Supervised By :Jagrut
Upadhyay

02/17/2023



#88

Benzo(b)fluoranthene

Concen: 49.599 ng

RT: 23.115 min Scan# 3388

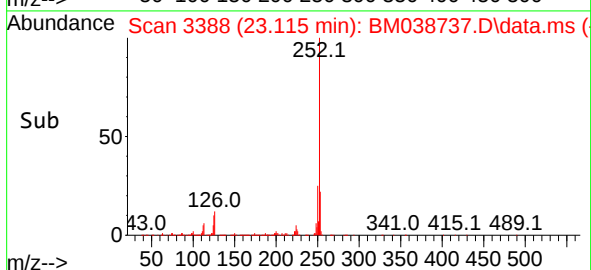
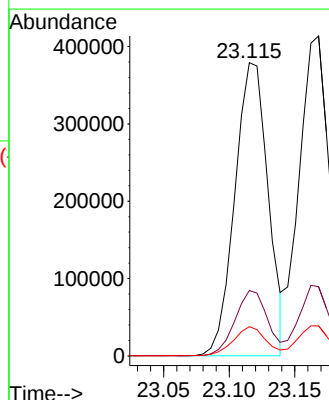
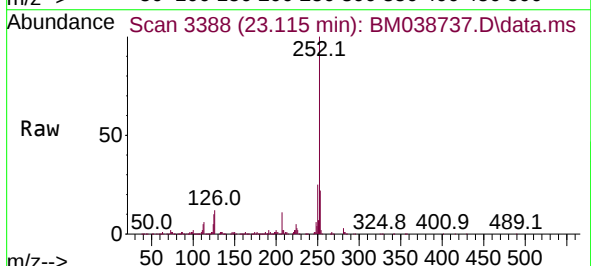
Delta R.T. 0.000 min

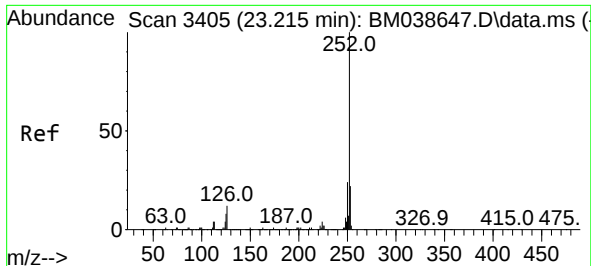
Lab File: BM038737.D

Acq: 14 Feb 2023 19:25

Tgt Ion:252 Resp: 668687

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	9.9	7.0	10.6





#89
Benzo(k)fluoranthene
Concen: 49.188 ng
RT: 23.168 min Scan# 3397
Delta R.T. 0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD

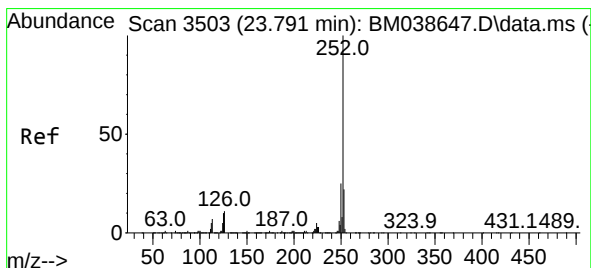
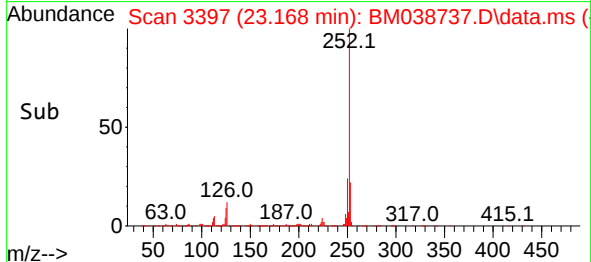
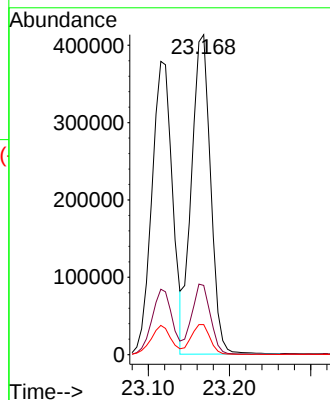
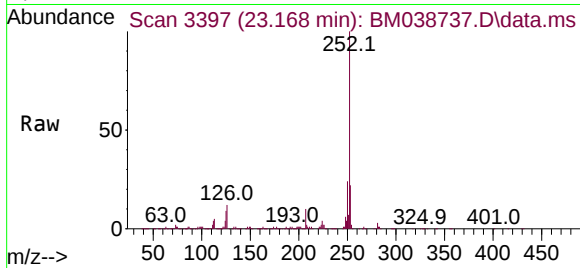
Tgt Ion:252 Resp: 673409
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.0
125 9.4 6.6 9.8

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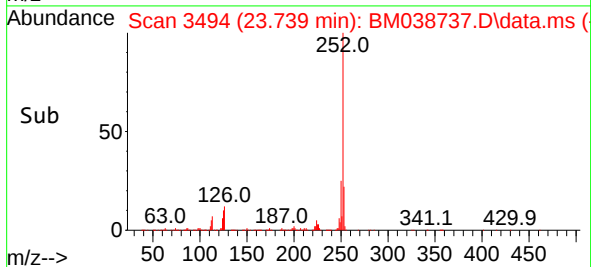
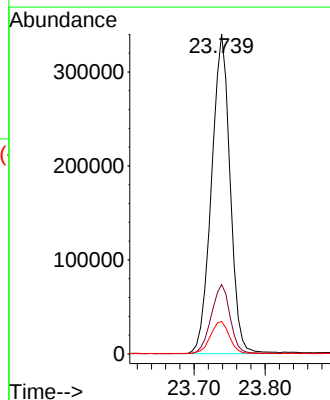
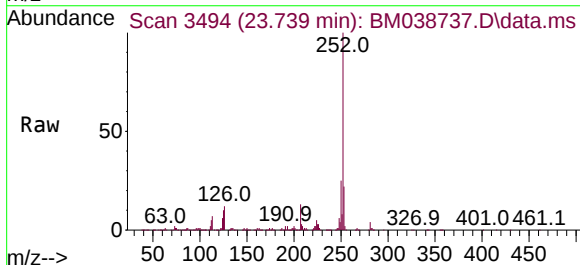
02/15/2023
Supervised By :Jagrut
Upadhyay

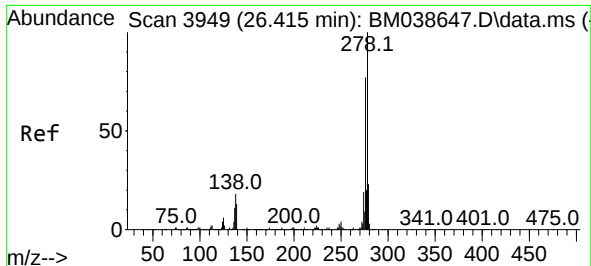
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#90
Benzo(a)pyrene
Concen: 46.328 ng
RT: 23.739 min Scan# 3494
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

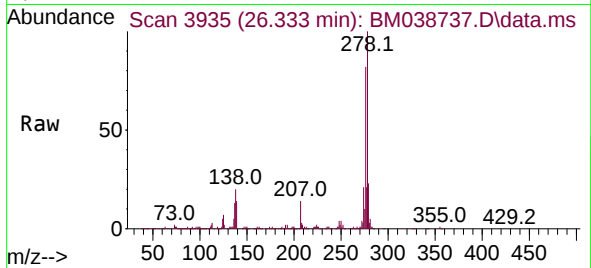
Tgt Ion:252 Resp: 617667
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 10.1 7.8 11.8





#91
Dibenzo(a,h)anthracene
Concen: 53.336 ng
RT: 26.333 min Scan# 3949
Delta R.T. 0.006 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25

Instrument :
BNA_M
ClientSampleId :
SOILMSD



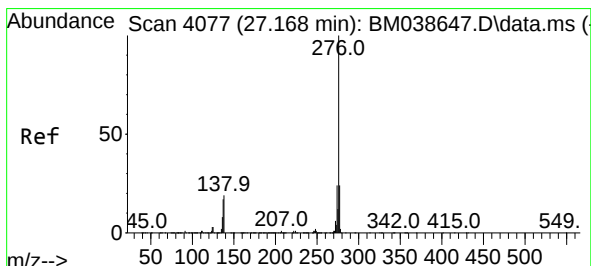
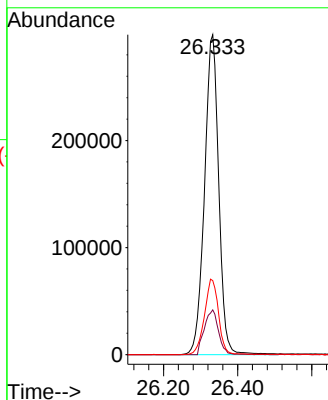
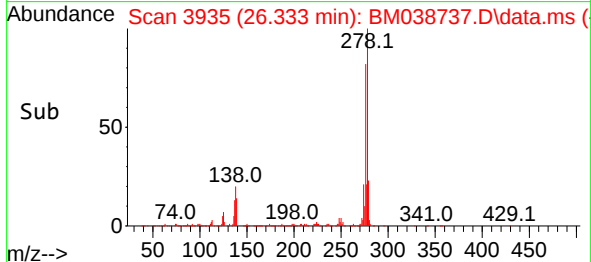
Tgt Ion:278 Resp: 795583
Ion Ratio Lower Upper
278 100
139 14.0 10.5 15.7
279 23.1 18.7 28.1

Manual Integrations
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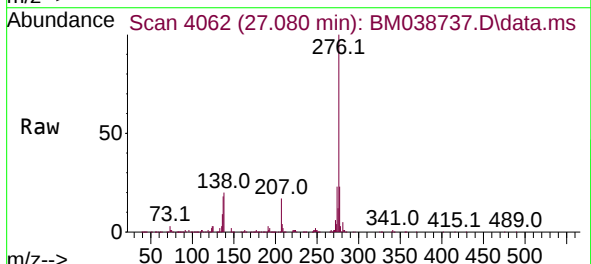
Reviewed By :Christian
Giraldo

02/15/2023
Supervised By :Jagrut
Upadhyay

02/17/2023



#92
Benzo(g,h,i)perylene
Concen: 50.575 ng
RT: 27.080 min Scan# 4062
Delta R.T. 0.000 min
Lab File: BM038737.D
Acq: 14 Feb 2023 19:25



Tgt Ion:276 Resp: 762573
Ion Ratio Lower Upper
276 100
277 23.0 19.1 28.7
138 19.6 15.3 22.9

