

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
 Data File : BM038465.D
 Acq On : 17 Jan 2023 14:11
 Operator : CG/JU
 Sample : N3980-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Jan 19 04:49:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 03:06:05 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo

01/24/2023

Supervised By :Jagrut
 Upadhyay

01/27/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	49473	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	175162	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	109185	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	252778	20.000	ng	0.00
76) Chrysene-d12	21.527	240	285832	20.000	ng	0.00
86) Perylene-d12	23.950	264	352680	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	309801	95.521	ng	-0.01
7) Phenol-d6	7.140	99	376182	90.546	ng	0.00
23) Nitrobenzene-d5	9.151	82	299833	69.745	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	170851	92.563	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	567778	64.851	ng	0.00
79) Terphenyl-d14	19.968	244	1102103	72.181	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.381	88	12299	8.298	ng	96
3) Pyridine	3.810	79	25915m	6.044	ng	
4) n-Nitrosodimethylamine	3.710	42	18763m	7.396	ng	
6) Aniline	7.304	93	34063	6.491	ng	100
8) 2-Chlorophenol	7.540	128	22620	7.044	ng	99
9) Benzaldehyde	7.122	77	24266	8.734	ng	99
10) Phenol	7.163	94	30315	7.002	ng	88
11) bis(2-Chloroethyl)ether	7.398	93	24754	7.055	ng	99
12) 1,3-Dichlorobenzene	7.863	146	25208	7.328	ng	98
13) 1,4-Dichlorobenzene	8.010	146	25193	7.279	ng	97
14) 1,2-Dichlorobenzene	8.328	146	25190	7.444	ng	97
15) Benzyl Alcohol	8.228	79	21780	6.545	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.498	45	36451	7.452	ng	97
17) 2-Methylphenol	8.428	107	17477	5.977	ng	97
18) Hexachloroethane	9.057	117	10277	7.250	ng	99
19) n-Nitroso-di-n-propyla...	8.787	70	20452	6.782	ng	94
20) 3+4-Methylphenols	8.757	107	23954	6.101	ng	95
22) Acetophenone	8.810	105	37242	7.193	ng	# 96
24) Nitrobenzene	9.192	77	34098m	7.507	ng	
25) Isophorone	9.716	82	48831	6.413	ng	98
26) 2-Nitrophenol	9.904	139	10145	6.362	ng	95
27) 2,4-Dimethylphenol	9.963	122	16909	6.227	ng	96
28) bis(2-Chloroethoxy)met...	10.198	93	28839	6.734	ng	99
29) 2,4-Dichlorophenol	10.439	162	19179	6.393	ng	98
30) 1,2,4-Trichlorobenzene	10.651	180	22616	6.519	ng	98
31) Naphthalene	10.839	128	61756	6.653	ng	98
32) Benzoic acid	10.039	122	8532	8.480	ng	93
33) 4-Chloroaniline	10.957	127	24892	6.109	ng	95
34) Hexachlorobutadiene	11.116	225	16112	6.623	ng	97
35) Caprolactam	11.733	113	4442	5.239	ng	88
36) 4-Chloro-3-methylphenol	12.075	107	20538	6.279	ng	89
37) 2-Methylnaphthalene	12.445	142	40386	5.950	ng	97
38) 1-Methylnaphthalene	12.663	142	39345	6.174	ng	95
40) 1,2,4,5-Tetrachloroben...	12.810	216	26995	6.606	ng	99
41) Hexachlorocyclopentadiene	12.780	237	15243	6.560	ng	92
43) 2,4,6-Trichlorophenol	13.051	196	15683	6.071	ng	95

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Reviewed By :Christian
 Giraldo

01/24/2023

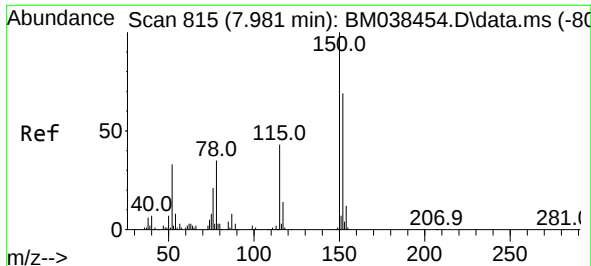
Supervised By :Jagrut
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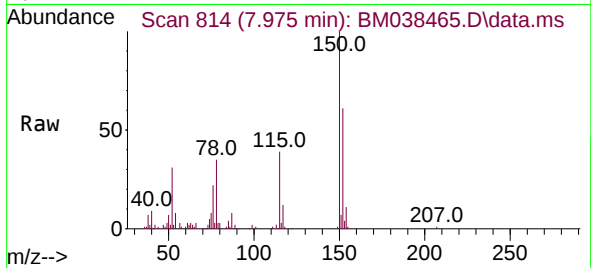
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44) 2,4,5-Trichlorophenol	13.127	196	16756	5.502	ng	99
46) 1,1'-Biphenyl	13.451	154	56906	6.718	ng	98
47) 2-Chloronaphthalene	13.492	162	45060	6.758	ng	96
48) 2-Nitroaniline	13.704	65	13395	7.105	ng	99
49) Acenaphthylene	14.333	152	64014	6.090	ng	97
50) Dimethylphthalate	14.069	163	55324	6.252	ng	100
51) 2,6-Dinitrotoluene	14.192	165	9999	5.555	ng	87
52) Acenaphthene	14.674	154	40590	6.354	ng	97
53) 3-Nitroaniline	14.527	138	9535	7.196	ng	97
54) 2,4-Dinitrophenol	14.733	184	5807	9.172	ng	# 87
55) Dibenzofuran	15.010	168	70512	6.483	ng	96
56) 4-Nitrophenol	14.833	139	7569	8.310	ng	93
57) 2,4-Dinitrotoluene	14.980	165	13402	5.356	ng	# 93
58) Fluorene	15.657	166	57409	6.318	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.233	232	15929	5.899	ng	97
60) Diethylphthalate	15.421	149	60280	6.641	ng	97
61) 4-Chlorophenyl-phenyle...	15.651	204	31249	6.265	ng	98
62) 4-Nitroaniline	15.686	138	9931m	7.361	ng	
63) Azobenzene	15.939	77	63793	6.387	ng	98
65) 4,6-Dinitro-2-methylph...	15.745	198	8461	4.933	ng	93
66) n-Nitrosodiphenylamine	15.863	169	46105	6.216	ng	95
67) 4-Bromophenyl-phenylether	16.539	248	18145	6.206	ng	99
68) Hexachlorobenzene	16.657	284	21745	6.641	ng	98
69) Atrazine	16.810	200	17652	6.730	ng	97
70) Pentachlorophenol	17.004	266	11903	4.980	ng	95
71) Phenanthrene	17.398	178	89668	6.412	ng	99
72) Anthracene	17.486	178	89152	6.203	ng	99
73) Carbazole	17.762	167	75408	6.000	ng	99
74) Di-n-butylphthalate	18.310	149	95668	6.409	ng	99
75) Fluoranthene	19.404	202	106697	6.069	ng	98
77) Benzidine	19.592	184	45809	7.314	ng	100
78) Pyrene	19.768	202	116860	6.143	ng	98
80) Butylbenzylphthalate	20.656	149	44202	6.357	ng	97
81) Benzo(a)anthracene	21.509	228	132544	6.447	ng	98
82) 3,3'-Dichlorobenzidine	21.445	252	46984	7.098	ng	98
83) Chrysene	21.562	228	125668	6.290	ng	99
84) Bis(2-ethylhexyl)phtha...	21.421	149	63186	6.322	ng	97
85) Di-n-octyl phthalate	22.350	149	113829	6.473	ng	98
87) Indeno(1,2,3-cd)pyrene	26.468	276	153776	5.892	ng	97
88) Benzo(b)fluoranthene	23.203	252	142254	6.505	ng	99
89) Benzo(k)fluoranthene	23.256	252	138773	6.136	ng	99
90) Benzo(a)pyrene	23.839	252	121860	5.678	ng	# 98
91) Dibenzo(a,h)anthracene	26.480	278	136839	6.248	ng	97
92) Benzo(g,h,i)perylene	27.244	276	140857	6.482	ng	# 96

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



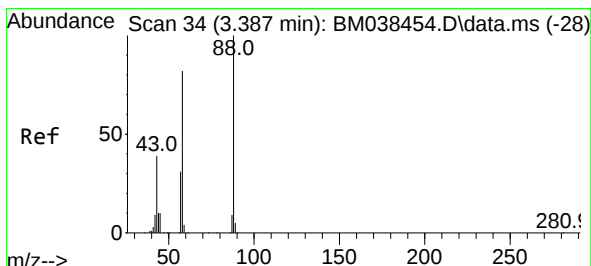
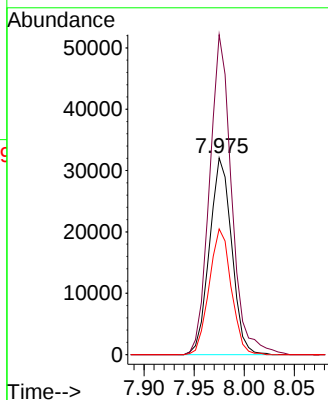
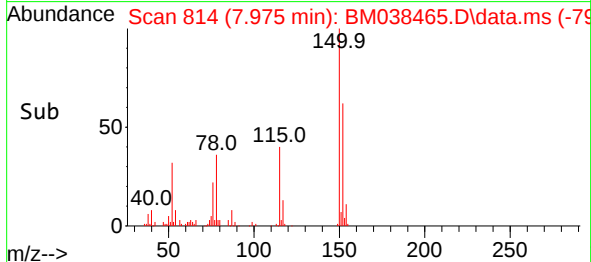
Tgt Ion: 152 Resp: 49473
Ion Ratio Lower Upper
152 100
150 162.7 116.0 174.0
115 63.9 49.4 74.2

Manual Integrations
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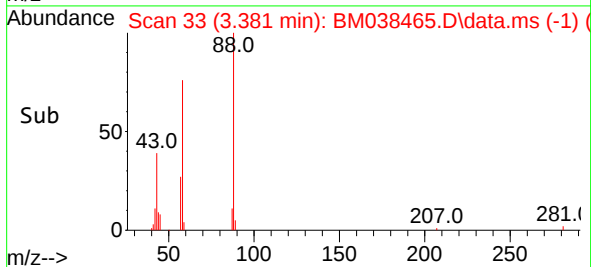
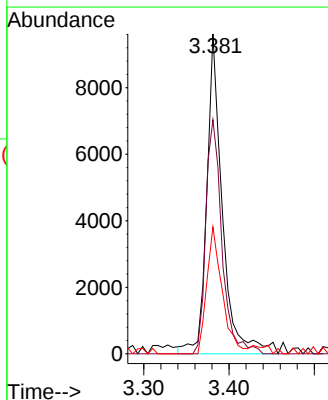
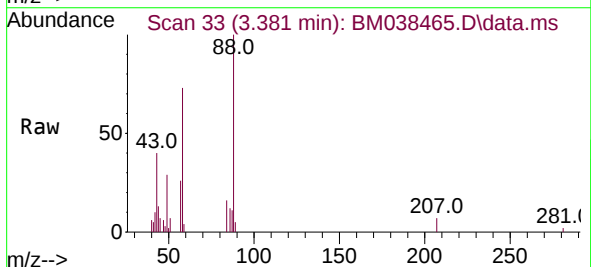
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Supervised By :Jagrut
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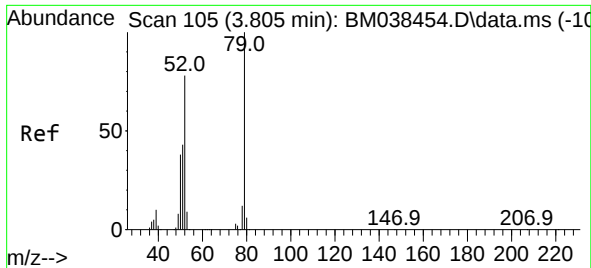
01/27/2023



#2
1,4-Dioxane
Concen: 8.298 ng
RT: 3.381 min Scan# 33
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

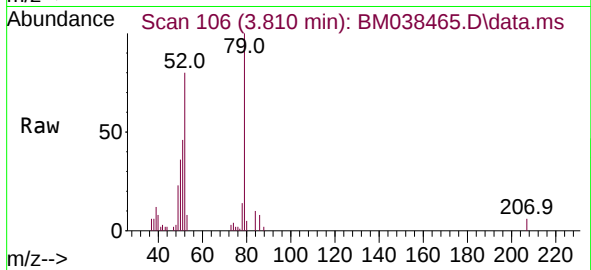
Tgt Ion: 88 Resp: 12299
Ion Ratio Lower Upper
88 100
58 75.4 64.3 96.5
43 39.3 32.3 48.5





#3
Pyridine
Concen: 6.044 ng m
RT: 3.810 min Scan# 10
Delta R.T. 0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

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BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



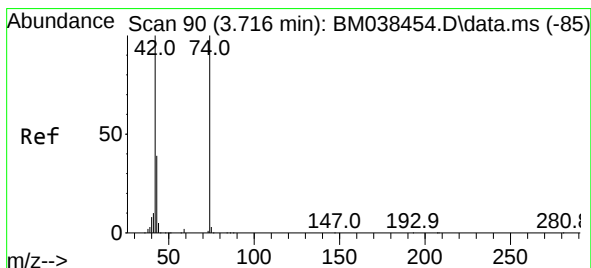
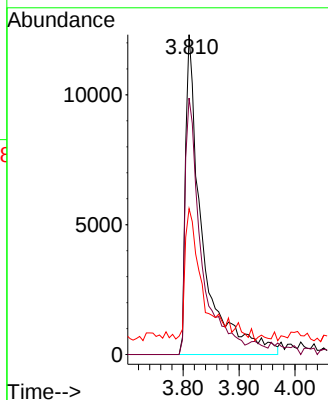
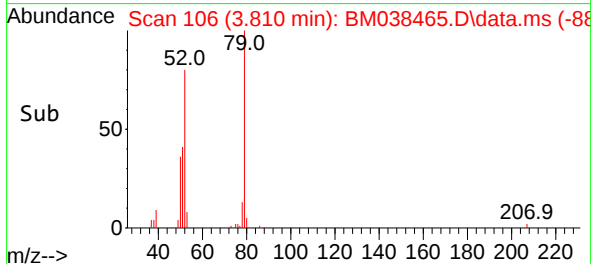
Tgt Ion: 79 Resp: 25915
Ion Ratio Lower Upper
79 100
52 80.2 62.2 93.2
51 45.6 34.8 52.2

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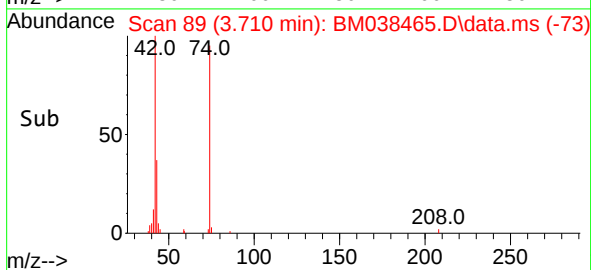
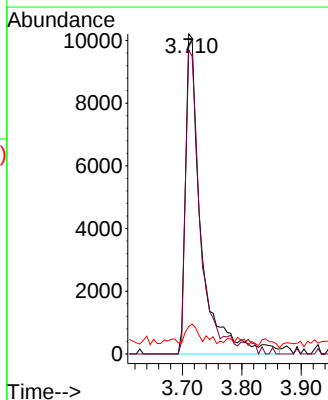
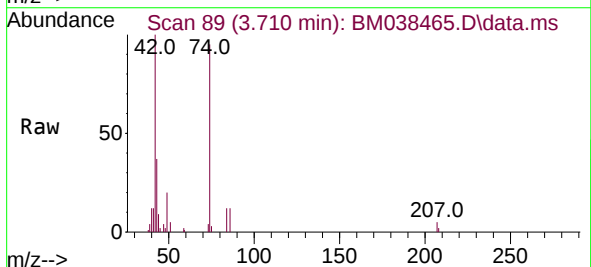
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Supervised By :Jagrut
Upadhyay

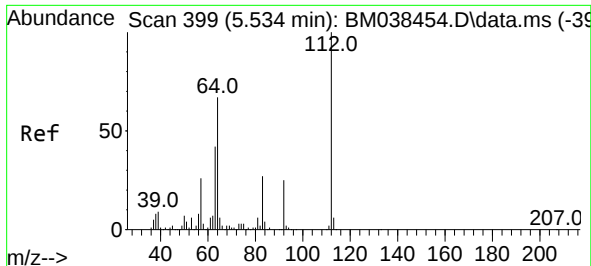
01/27/2023



#4
n-Nitrosodimethylamine
Concen: 7.396 ng m
RT: 3.710 min Scan# 89
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

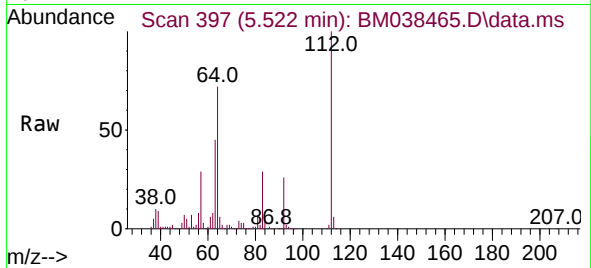
Tgt Ion: 42 Resp: 18763
Ion Ratio Lower Upper
42 100
74 95.0 79.7 119.5
44 8.5 4.7 7.1#





#5
2-Fluorophenol
Concen: 95.521 ng
RT: 5.522 min Scan# 399
Delta R.T. -0.012 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



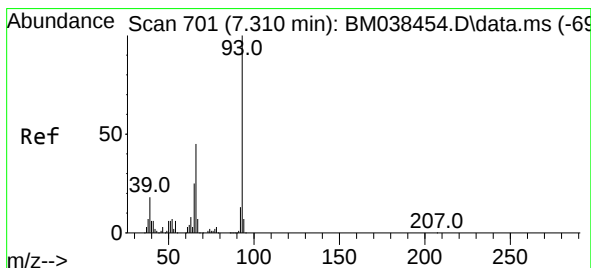
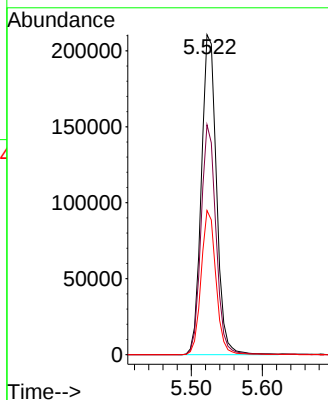
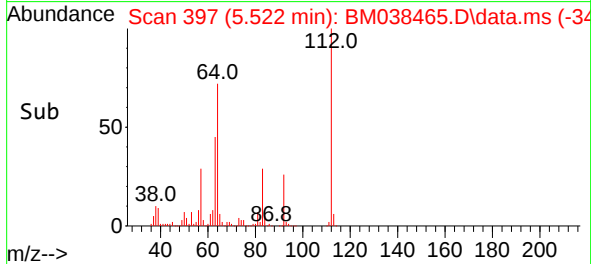
Tgt Ion: 112 Resp: 30980
Ion Ratio Lower Upper
112 100
64 71.8 53.7 80.5
63 45.0 33.7 50.5

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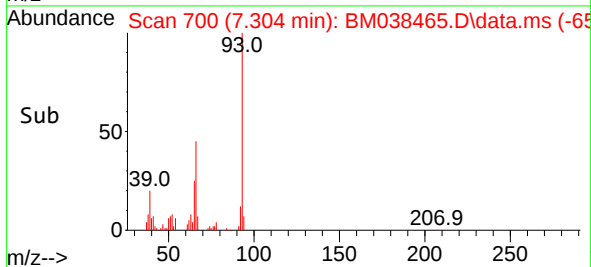
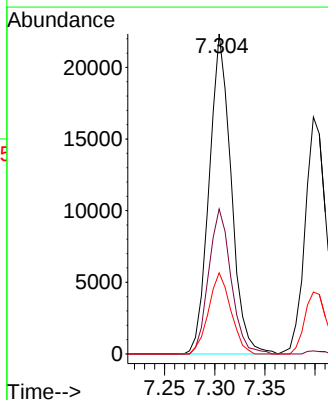
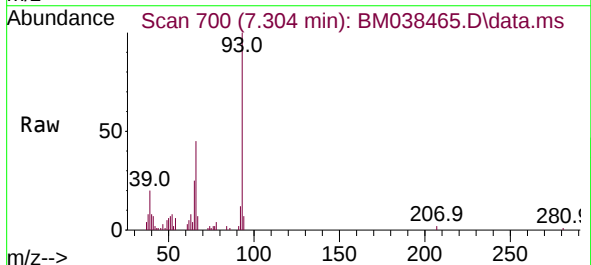
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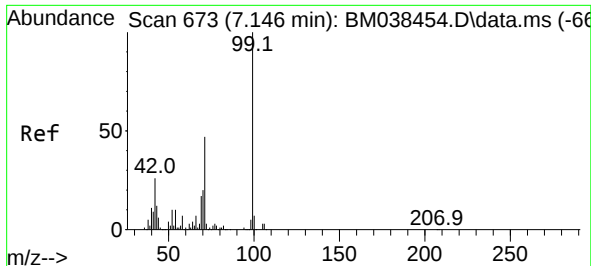
01/27/2023



#6
Aniline
Concen: 6.491 ng
RT: 7.304 min Scan# 700
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

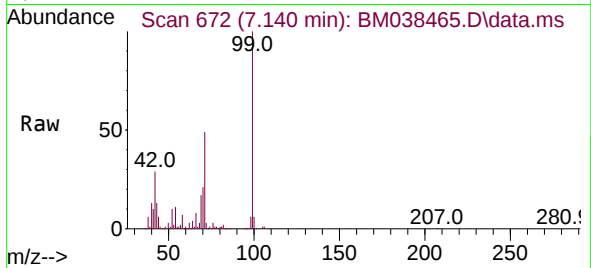
Tgt Ion: 93 Resp: 34063
Ion Ratio Lower Upper
93 100
66 45.3 36.2 54.2
65 25.3 19.8 29.8





#7
Phenol-d6
Concen: 90.546 ng
RT: 7.140 min Scan# 673
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

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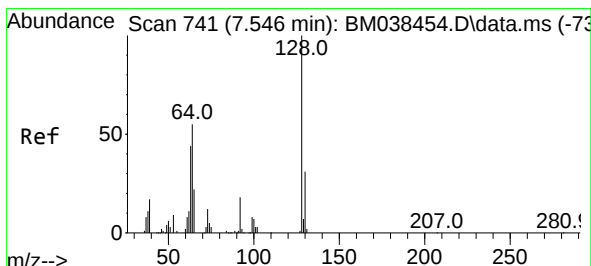
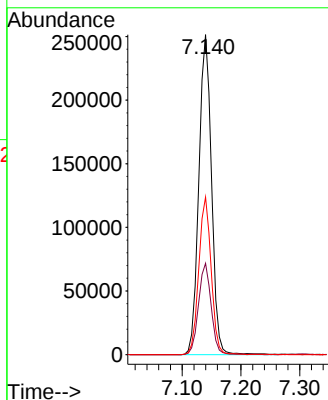
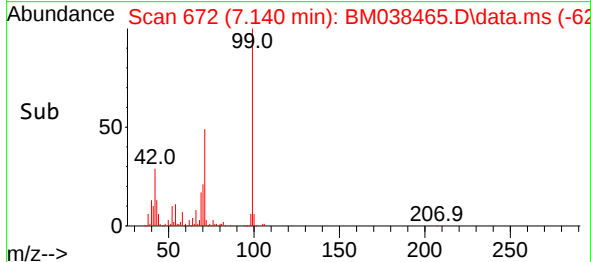
Tgt Ion: 99 Resp: 376182
Ion Ratio Lower Upper
99 100
42 28.5 20.8 31.2
71 49.2 37.8 56.8

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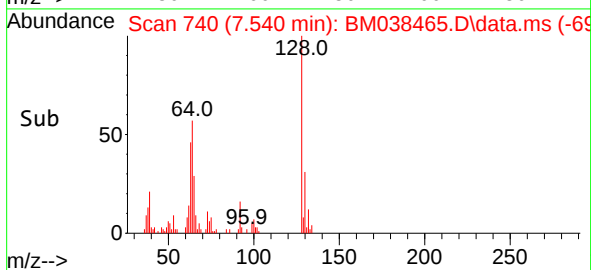
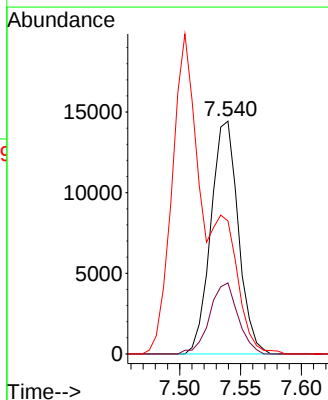
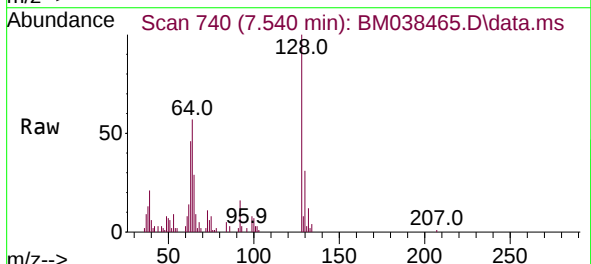
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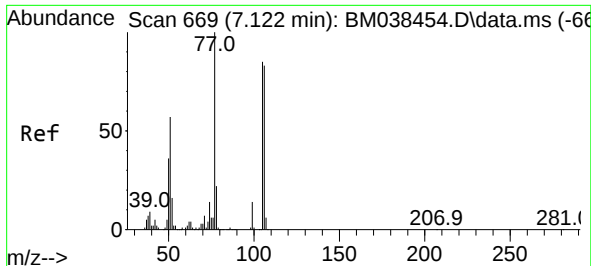
01/27/2023



#8
2-Chlorophenol
Concen: 7.044 ng
RT: 7.540 min Scan# 740
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

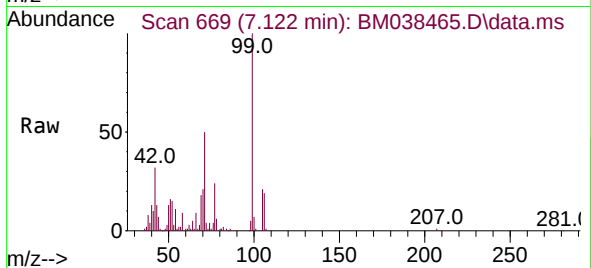
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Ion Ratio Lower Upper
128 100
130 30.5 11.5 51.5
64 57.1 38.0 78.0





#9
Benzaldehyde
Concen: 8.734 ng
RT: 7.122 min Scan# 669
Delta R.T. -0.000 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



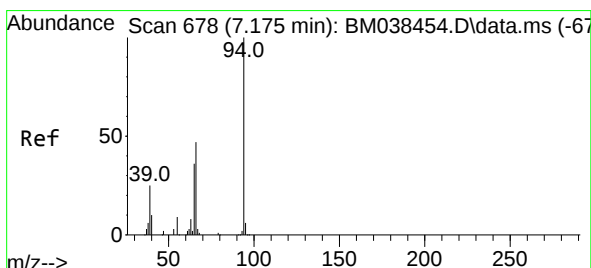
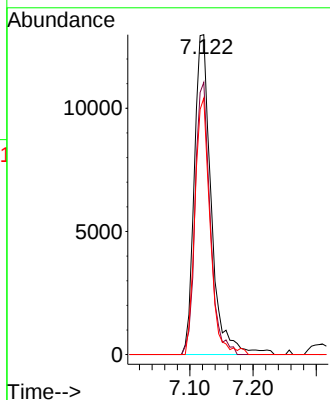
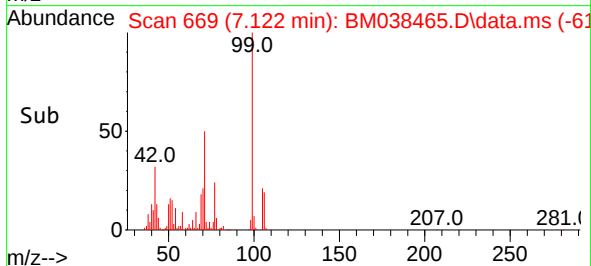
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Ion Ratio Lower Upper
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105 85.1 65.3 105.3
106 80.1 62.5 102.5

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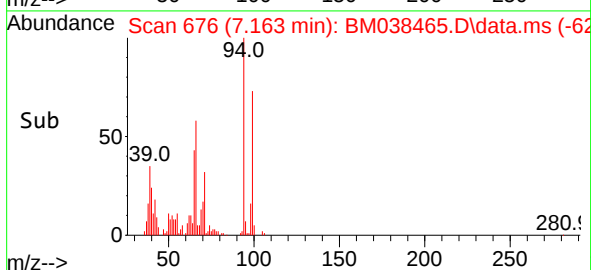
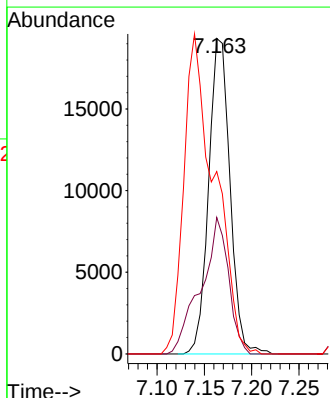
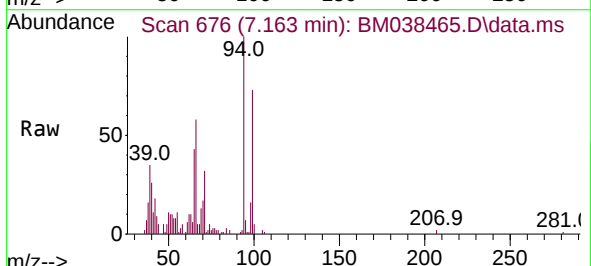
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Supervised By :Jagrut
Upadhyay

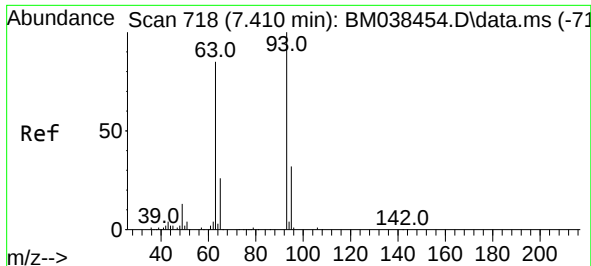
01/27/2023



#10
Phenol
Concen: 7.002 ng
RT: 7.163 min Scan# 676
Delta R.T. -0.012 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Tgt Ion: 94 Resp: 30315
Ion Ratio Lower Upper
94 100
65 43.3 16.3 56.3
66 57.8 29.2 69.2





#11
bis(2-Chloroethyl)ether
Concen: 7.055 ng
RT: 7.398 min Scan# 716
Delta R.T. -0.012 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

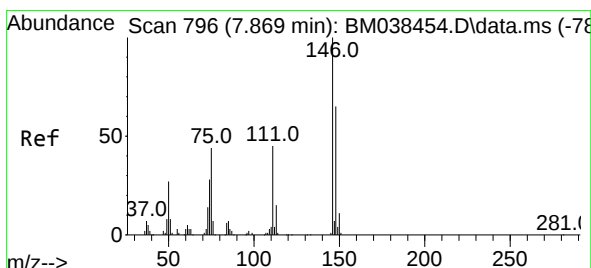
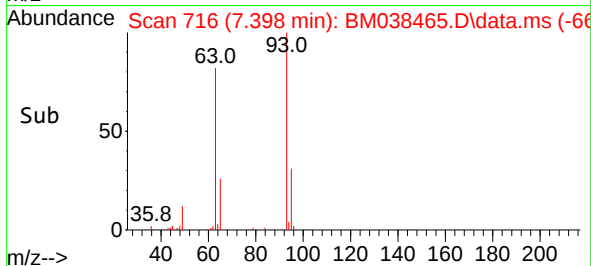
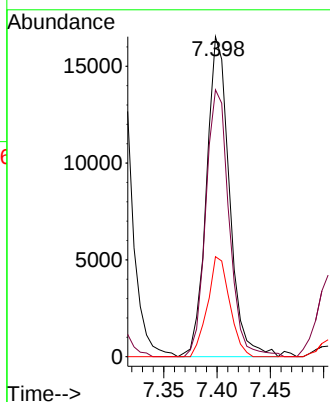
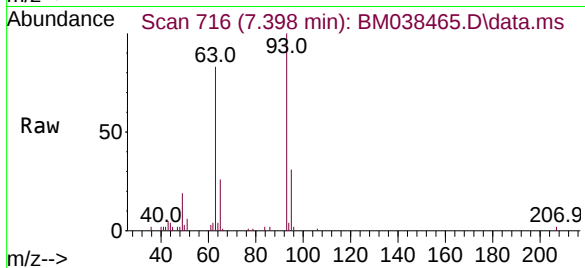
Tgt Ion: 93 Resp: 24754
Ion Ratio Lower Upper
93 100
63 83.4 64.6 104.6
95 31.2 12.0 52.0

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Reviewed By :Christian
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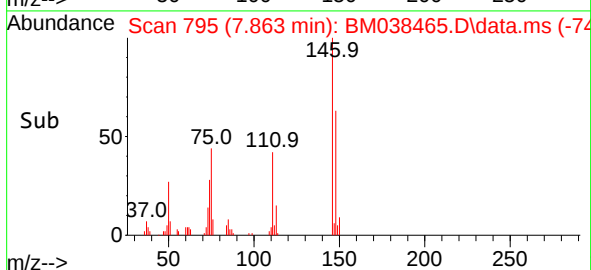
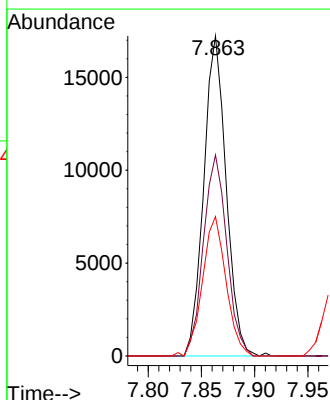
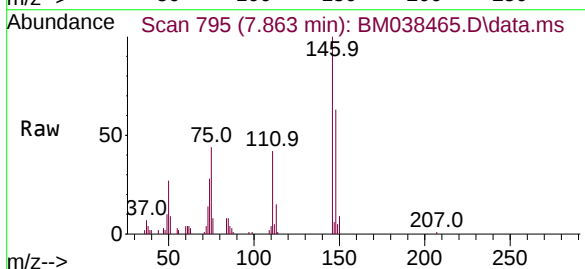
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Supervised By :Jagrut
Upadhyay

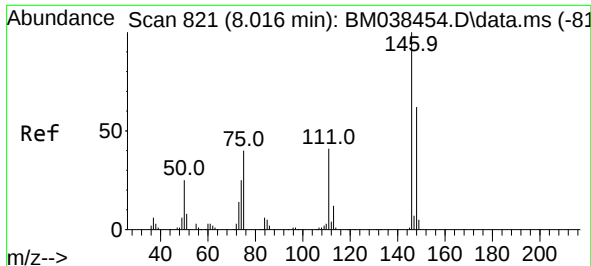
01/27/2023



#12
1,3-Dichlorobenzene
Concen: 7.328 ng
RT: 7.863 min Scan# 795
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Tgt Ion:146 Resp: 25208
Ion Ratio Lower Upper
146 100
148 62.8 51.8 77.8
75 43.5 35.1 52.7





#13
1,4-Dichlorobenzene
Concen: 7.279 ng
RT: 8.010 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

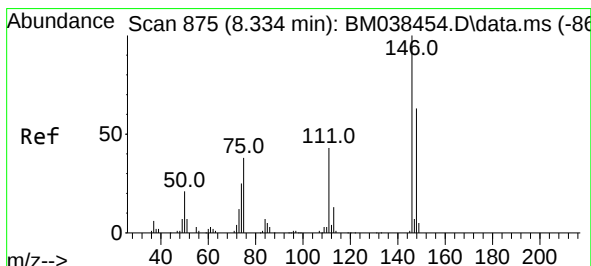
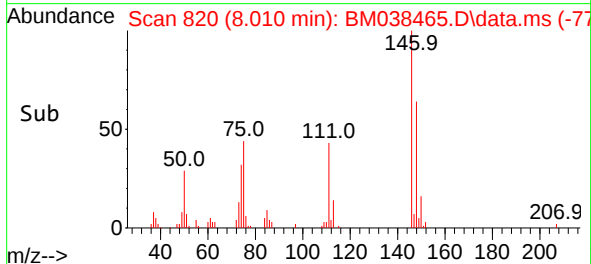
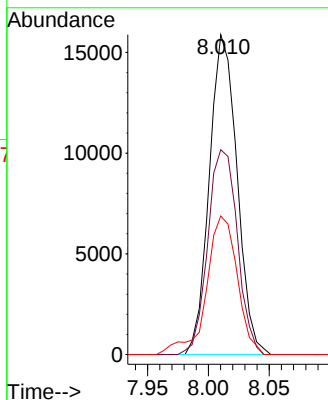
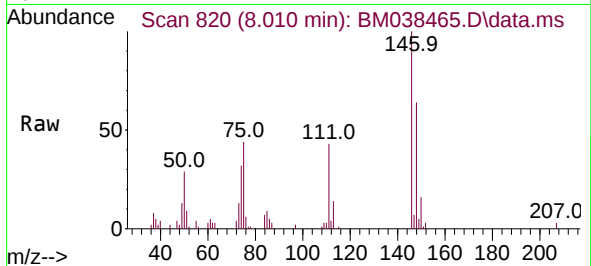
Tgt Ion:146 Resp: 25193
Ion Ratio Lower Upper
146 100
148 64.1 50.1 75.1
111 43.3 32.8 49.2

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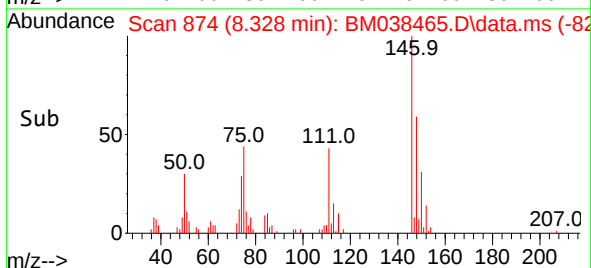
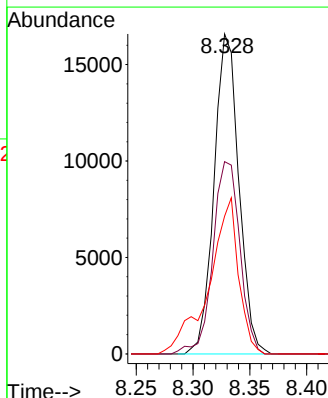
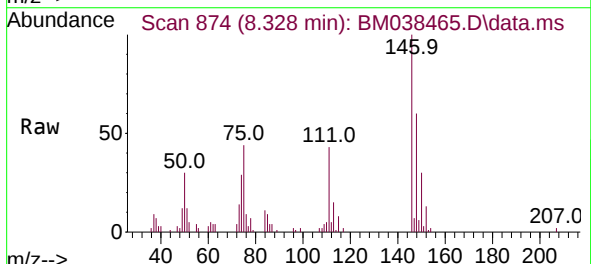
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Supervised By :Jagrut
Upadhyay

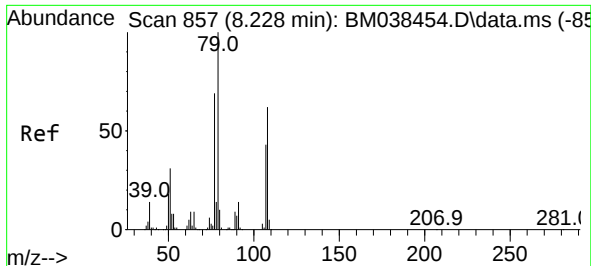
01/27/2023



#14
1,2-Dichlorobenzene
Concen: 7.444 ng
RT: 8.328 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

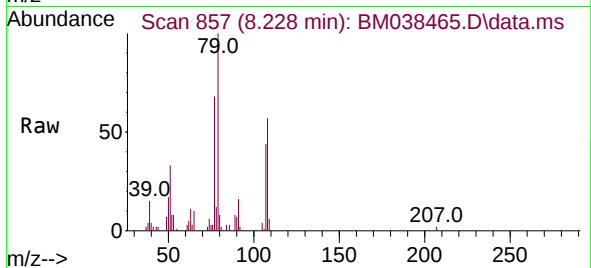
Tgt Ion:146 Resp: 25190
Ion Ratio Lower Upper
146 100
148 60.1 50.7 76.1
111 43.0 35.2 52.8





#15
Benzyl Alcohol
Concen: 6.545 ng
RT: 8.228 min Scan# 857
Delta R.T. -0.000 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



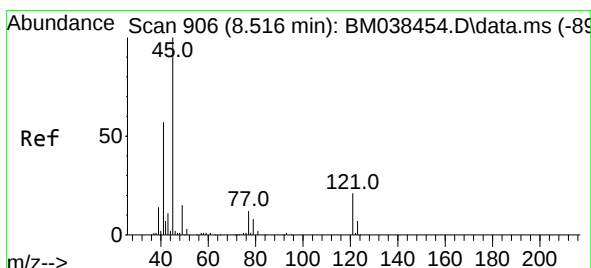
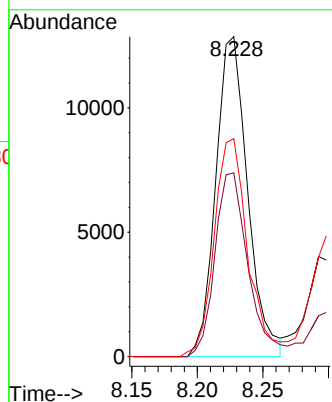
Tgt Ion: 79 Resp: 21780
Ion Ratio Lower Upper
79 100
108 57.4 49.3 73.9
77 68.1 55.1 82.7

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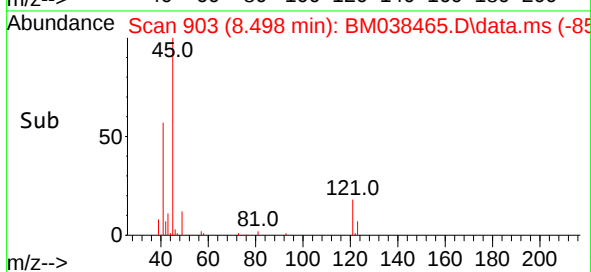
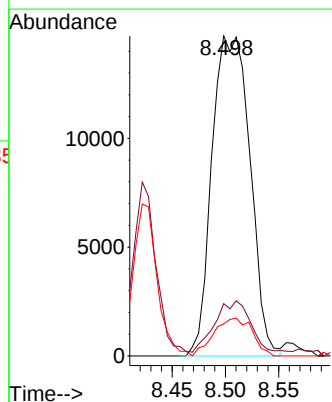
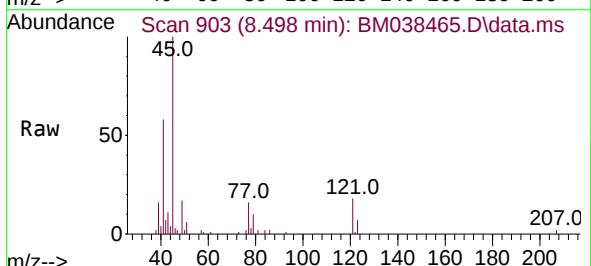
01/24/2023
Supervised By :Jagrut
Upadhyay

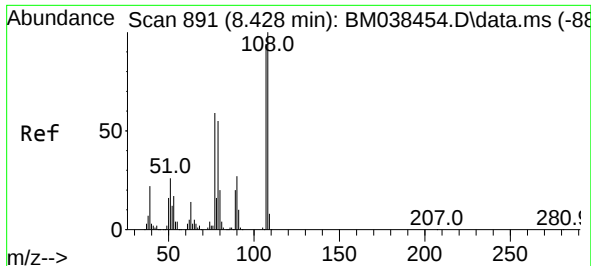
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.452 ng
RT: 8.498 min Scan# 903
Delta R.T. -0.018 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

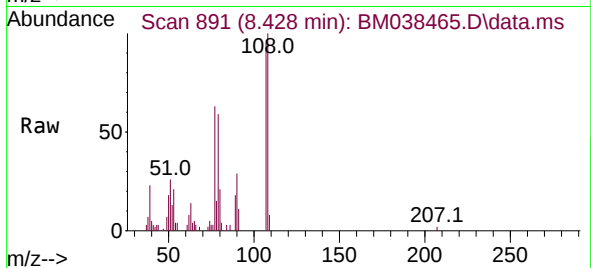
Tgt Ion: 45 Resp: 36451
Ion Ratio Lower Upper
45 100
77 16.4 0.0 34.7
79 10.0 0.0 30.4





#17
2-Methylphenol
Concen: 5.977 ng
RT: 8.428 min Scan# 891
Delta R.T. -0.000 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



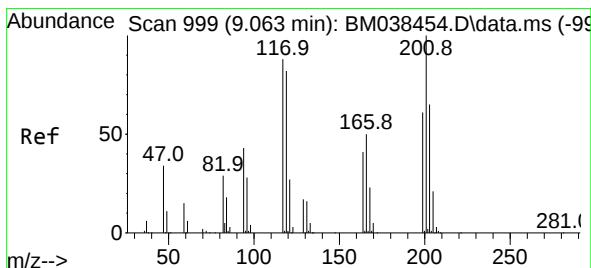
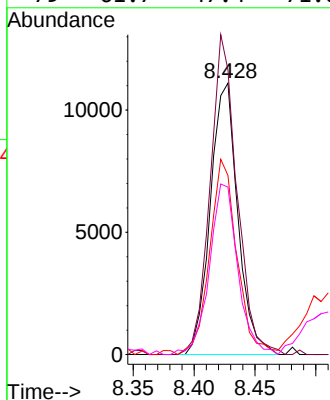
Tgt Ion:	107	Resp:	1747
Ion	Ratio	Lower	Upper
107	100		
108	104.9	85.7	128.5
77	66.0	50.5	75.7
79	61.7	47.4	71.0

Manual Integrations
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Reviewed By :Christian
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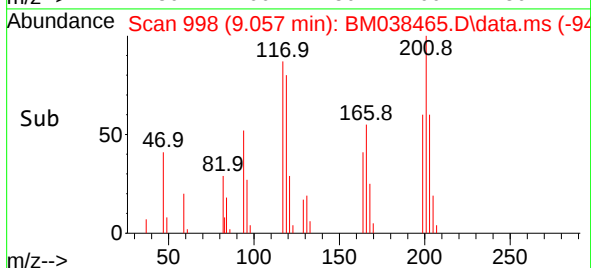
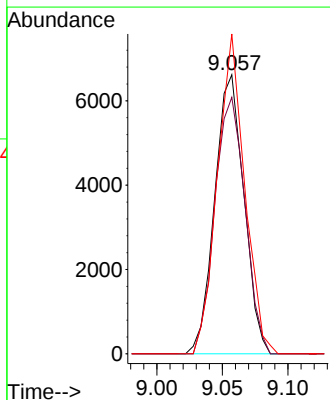
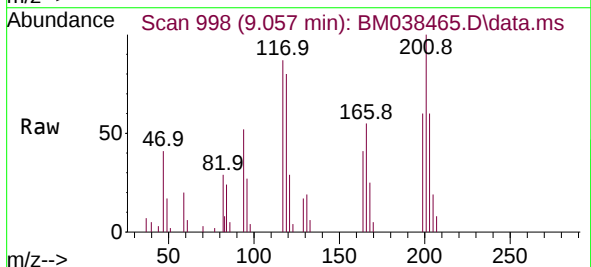
01/24/2023
Supervised By :Jagrut
Upadhyay

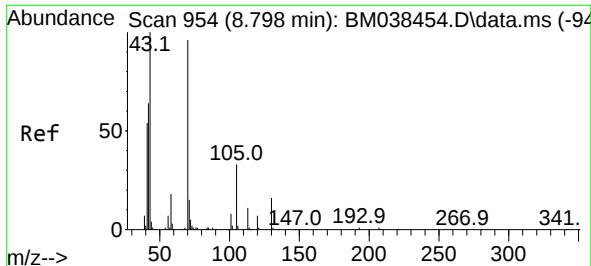
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#18
Hexachloroethane
Concen: 7.250 ng
RT: 9.057 min Scan# 998
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

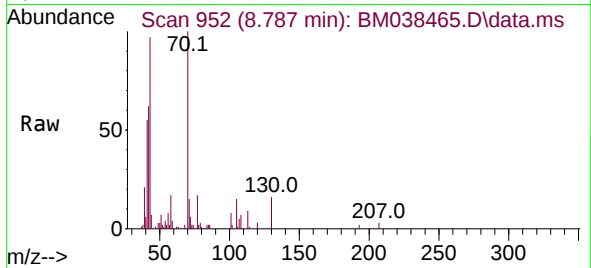
Tgt Ion:	117	Resp:	10277
Ion	Ratio	Lower	Upper
117	100		
119	91.9	74.5	111.7
201	114.7	91.3	136.9





#19
n-Nitroso-di-n-propylamine
Concen: 6.782 ng
RT: 8.787 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



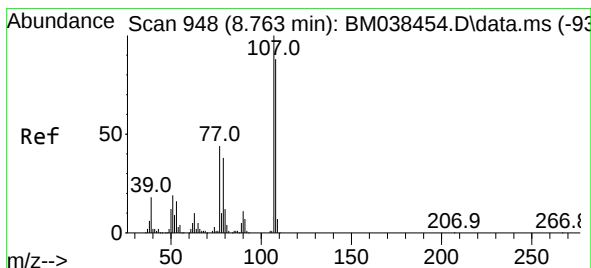
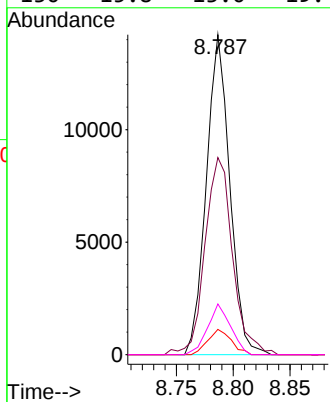
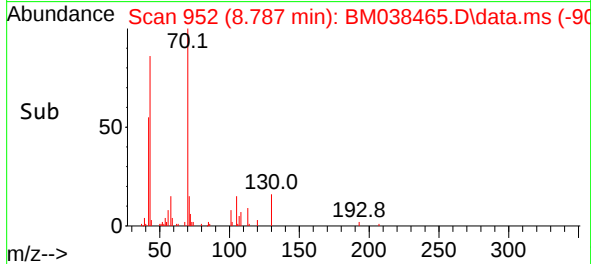
Tgt Ion: 70 Resp: 20452
Ion Ratio Lower Upper
70 100
42 61.6 54.2 81.2
101 7.9 6.6 10.0
130 15.8 13.0 19.4

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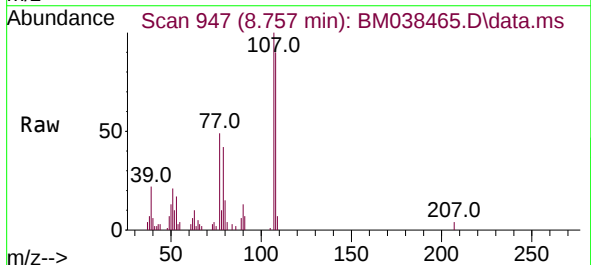
Reviewed By :Christian
Giraldo

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Supervised By :Jagrut
Upadhyay

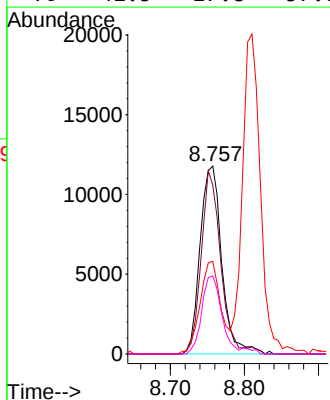
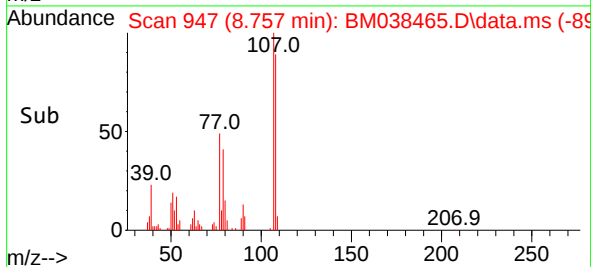
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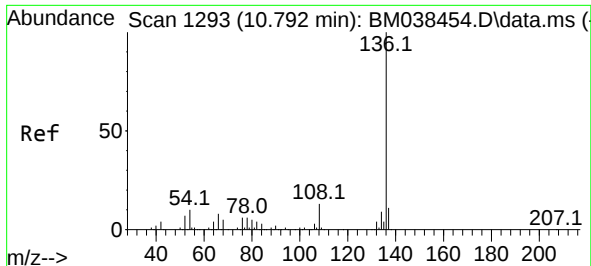


#20
3+4-Methylphenols
Concen: 6.101 ng
RT: 8.757 min Scan# 947
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11



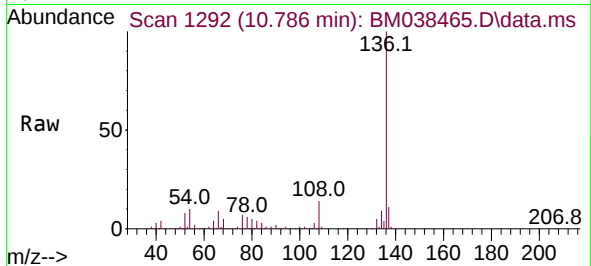
Tgt Ion:107 Resp: 23954
Ion Ratio Lower Upper
107 100
108 90.0 67.6 107.6
77 49.3 24.1 64.1
79 41.5 17.8 57.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



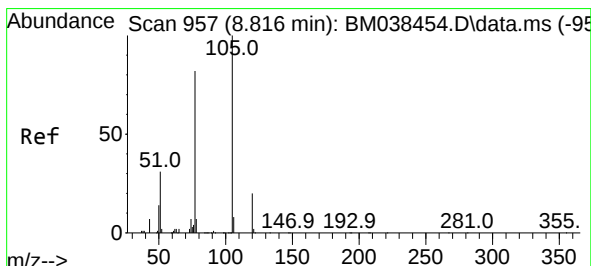
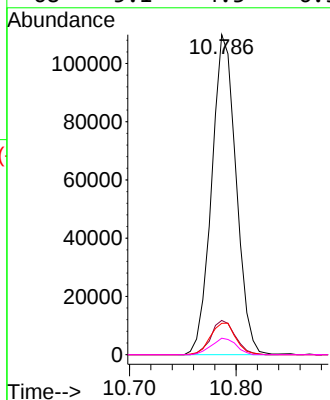
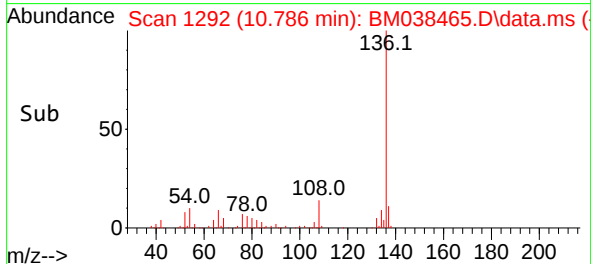
Tgt Ion:136 Resp: 175162
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 9.8 7.6 11.4
68 5.1 4.3 6.5

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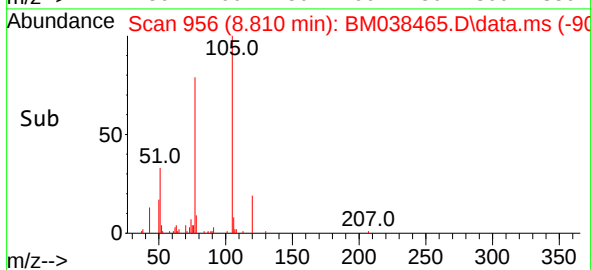
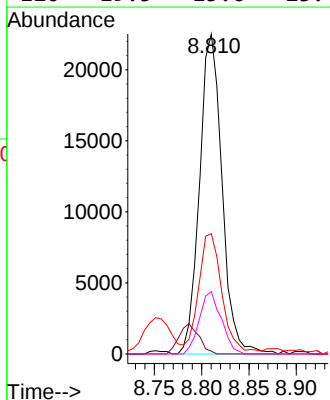
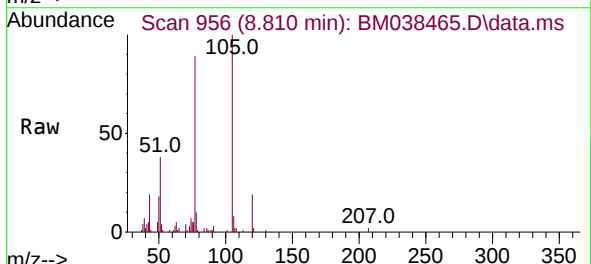
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Supervised By :Jagrut
Upadhyay

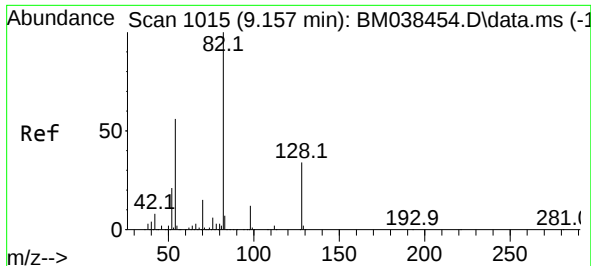
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#22
Acetophenone
Concen: 7.193 ng
RT: 8.810 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Tgt Ion:105 Resp: 37242
Ion Ratio Lower Upper
105 100
71 0.9 1.0 1.6#
51 37.6 27.4 41.2
120 19.5 15.6 23.4





#23

Nitrobenzene-d5

Concen: 69.745 ng

RT: 9.151 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BM038465.D

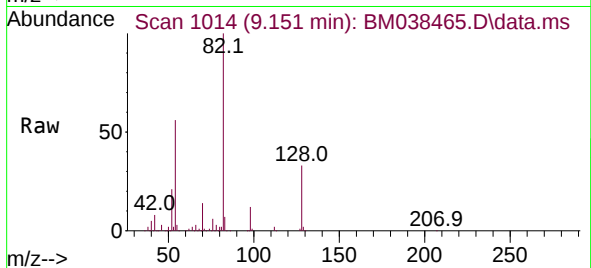
Acq: 17 Jan 2023 14:11

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:	82	Resp:	299833
Ion Ratio	Lower	Upper	
82	100		
128	32.7	27.0	40.6
54	55.9	45.0	67.6

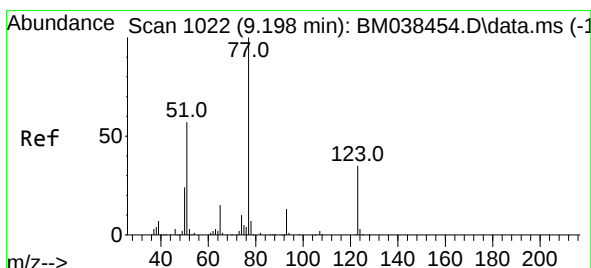
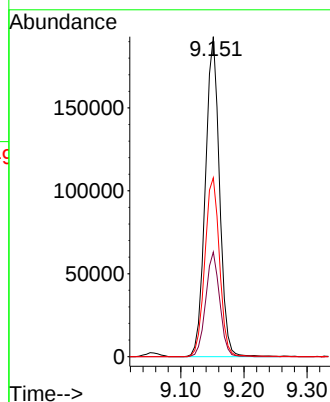
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Upadhyay

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#24

Nitrobenzene

Concen: 7.507 ng m

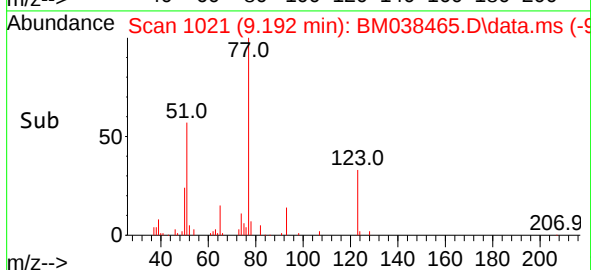
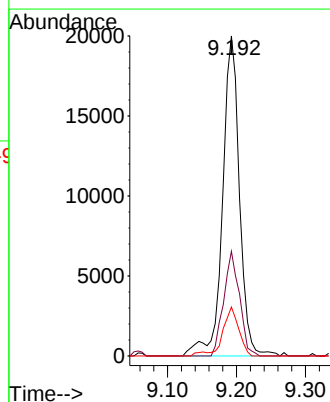
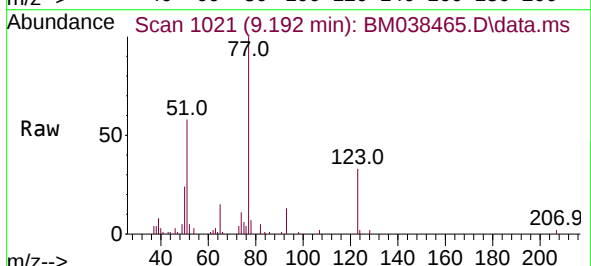
RT: 9.192 min Scan# 1021

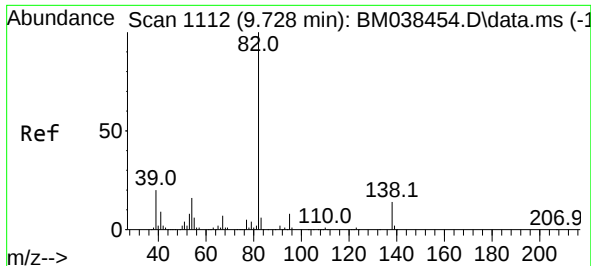
Delta R.T. -0.006 min

Lab File: BM038465.D

Acq: 17 Jan 2023 14:11

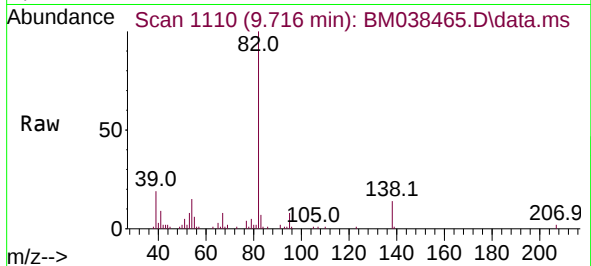
Tgt Ion:	77	Resp:	34098
Ion Ratio	Lower	Upper	
77	100		
123	32.7	28.2	42.4
65	15.3	12.1	18.1





#25
Isophorone
Concen: 6.413 ng
RT: 9.716 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 82 Resp: 4883
Ion Ratio Lower Upper
82 100
95 8.4 6.1 9.1
138 13.7 11.5 17.3

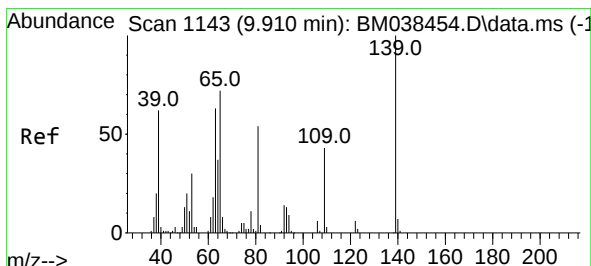
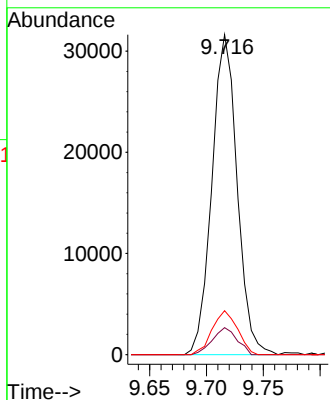
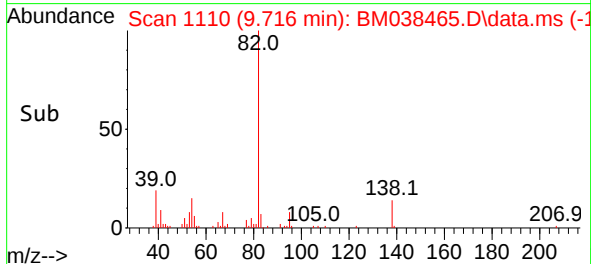
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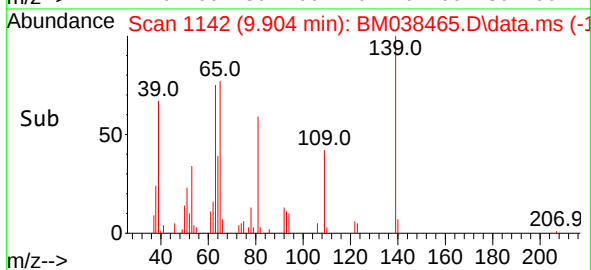
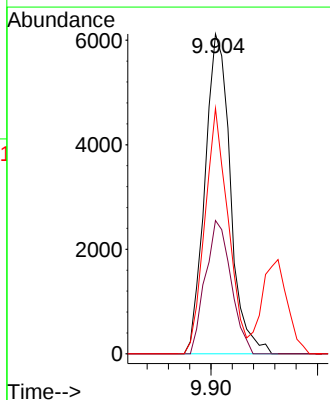
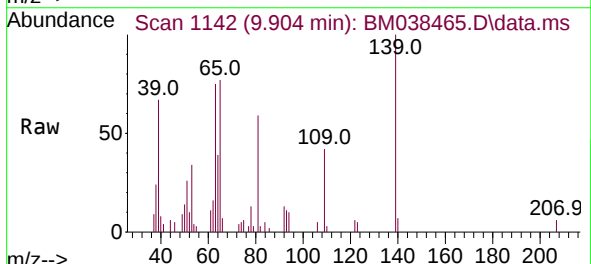
Supervised By :Jagrut
Upadhyay

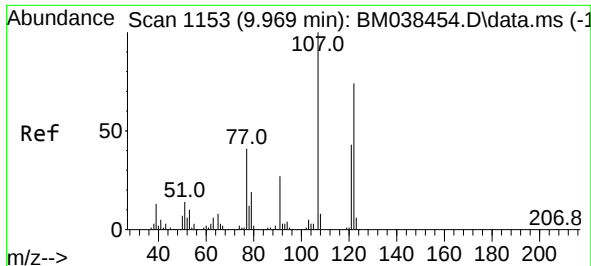
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#26
2-Nitrophenol
Concen: 6.362 ng
RT: 9.904 min Scan# 1142
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Tgt Ion:139 Resp: 10145
Ion Ratio Lower Upper
139 100
109 41.7 34.7 52.1
65 76.7 57.4 86.0





#27

2,4-Dimethylphenol

Concen: 6.227 ng

RT: 9.963 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BM038465.D

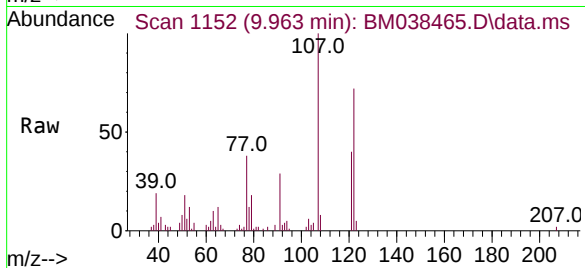
Acq: 17 Jan 2023 14:11

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:	122	Resp:	16909
Ion Ratio	Lower	Upper	
122	100		
107	138.6	107.4	161.0
121	55.9	46.6	70.0

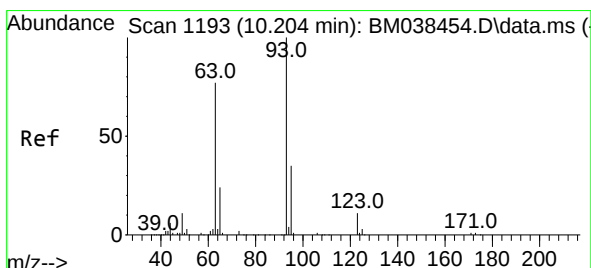
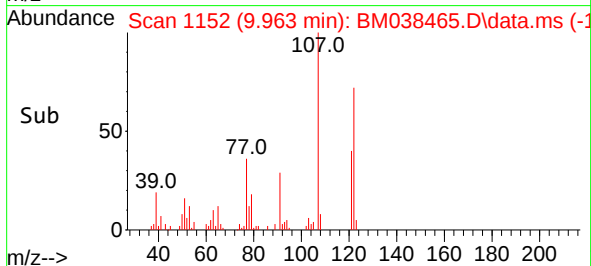
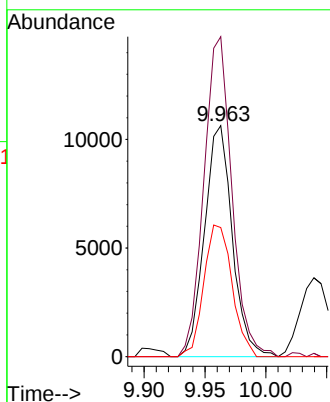
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

01/24/2023

Supervised By :Jagrut
Upadhyay

01/27/2023



#28

bis(2-Chloroethoxy)methane

Concen: 6.734 ng

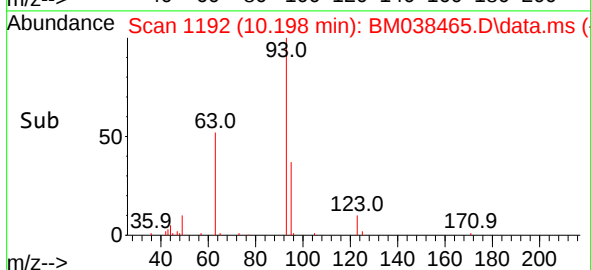
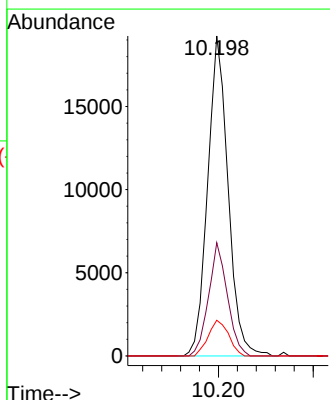
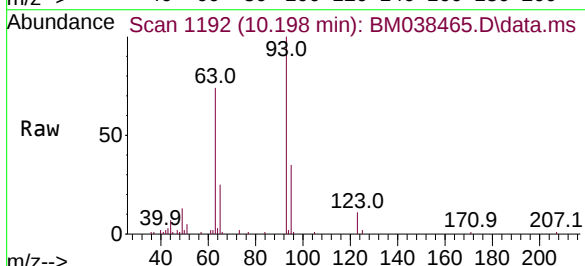
RT: 10.198 min Scan# 1192

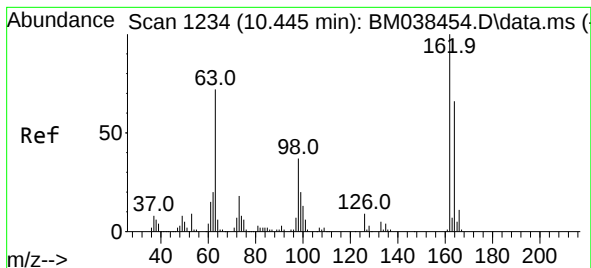
Delta R.T. -0.006 min

Lab File: BM038465.D

Acq: 17 Jan 2023 14:11

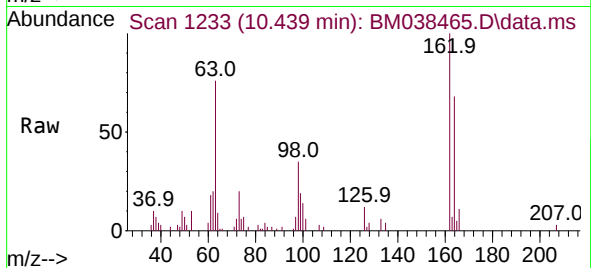
Tgt Ion:	93	Resp:	28839
Ion Ratio	Lower	Upper	
93	100		
95	35.4	27.7	41.5
123	11.1	8.6	13.0





#29
2,4-Dichlorophenol
Concen: 6.393 ng
RT: 10.439 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



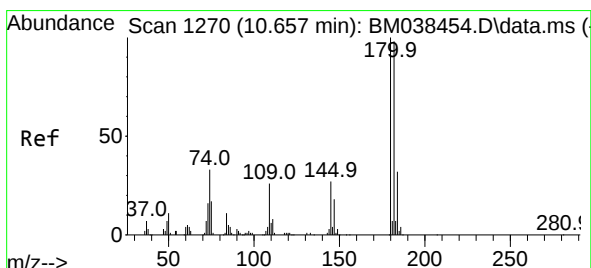
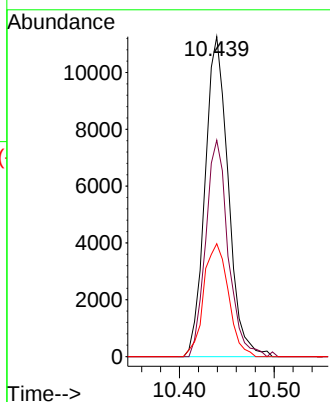
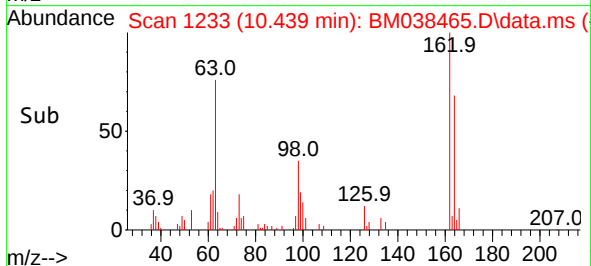
Tgt Ion:162 Resp: 19179
Ion Ratio Lower Upper
162 100
164 67.6 46.5 86.5
98 35.3 17.1 57.1

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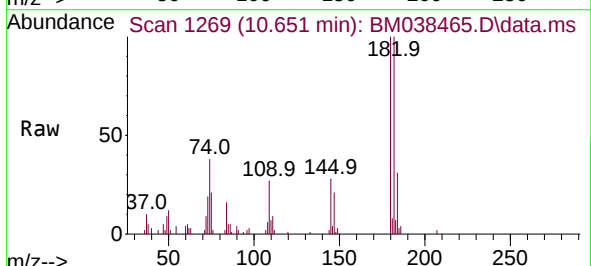
Reviewed By :Christian
Giraldo

01/24/2023
Supervised By :Jagrut
Upadhyay

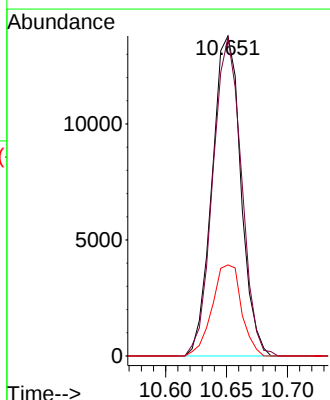
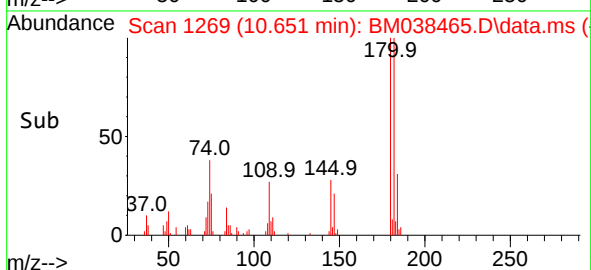
01/27/2023

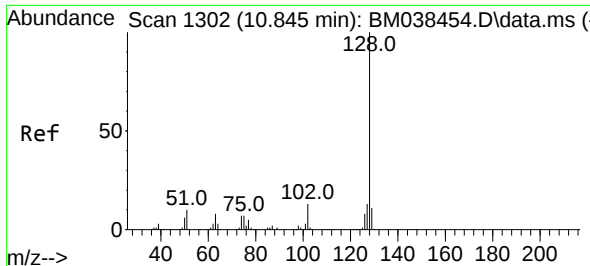


#30
1,2,4-Trichlorobenzene
Concen: 6.519 ng
RT: 10.651 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11



Tgt Ion:180 Resp: 22616
Ion Ratio Lower Upper
180 100
182 99.5 78.1 117.1
145 28.4 21.9 32.9





#31
Naphthalene
Concen: 6.653 ng
RT: 10.839 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

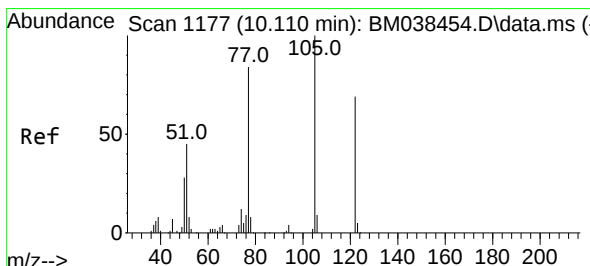
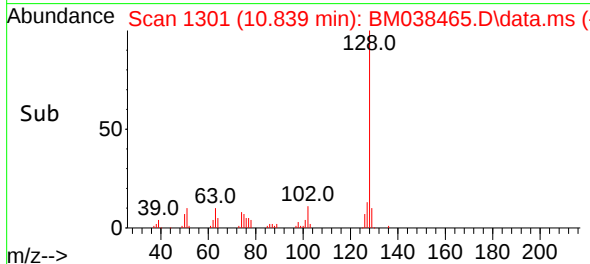
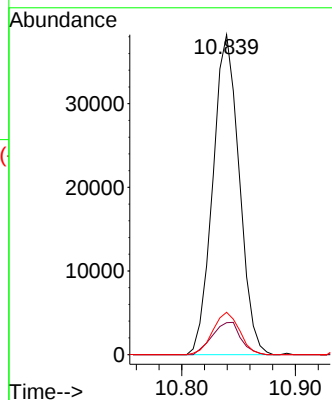
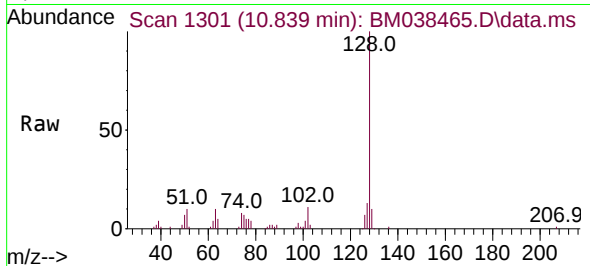
Tgt Ion:128 Resp: 61756
Ion Ratio Lower Upper
128 100
129 10.0 8.9 13.3
127 13.2 10.8 16.2

Manual Integrations
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Reviewed By :Christian
Giraldo

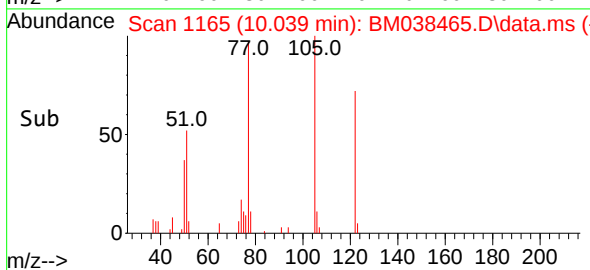
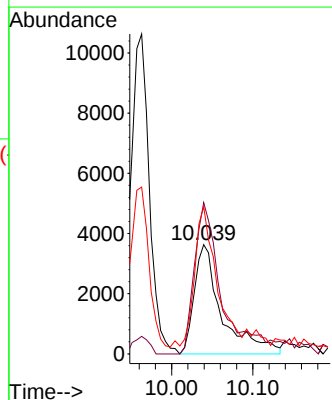
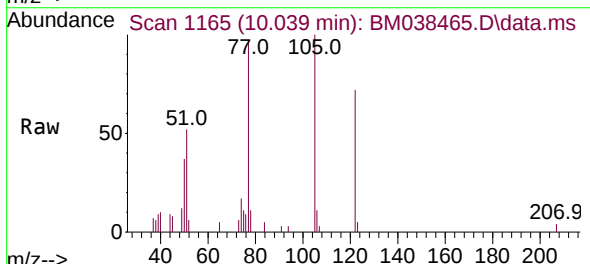
01/24/2023
Supervised By :Jagrut
Upadhyay

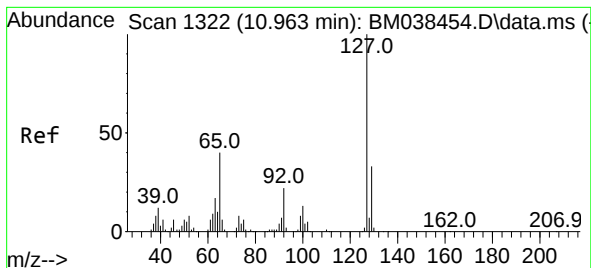
01/27/2023



#32
Benzoic acid
Concen: 8.480 ng
RT: 10.039 min Scan# 1165
Delta R.T. -0.071 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

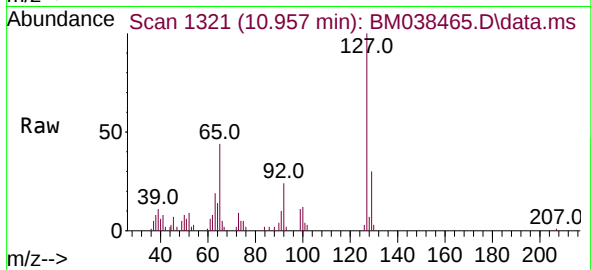
Tgt Ion:122 Resp: 8532
Ion Ratio Lower Upper
122 100
105 138.6 122.6 162.6
77 134.8 101.5 141.5





#33
4-Chloroaniline
Concen: 6.109 ng
RT: 10.957 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



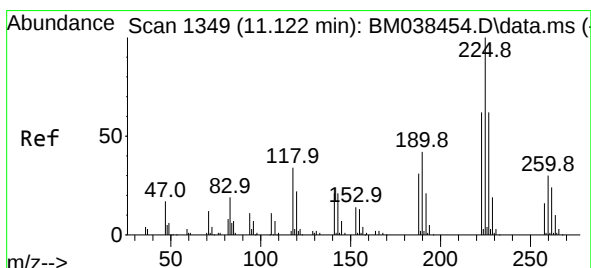
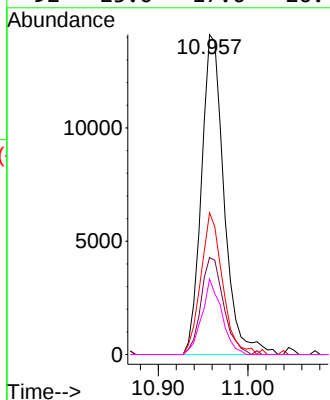
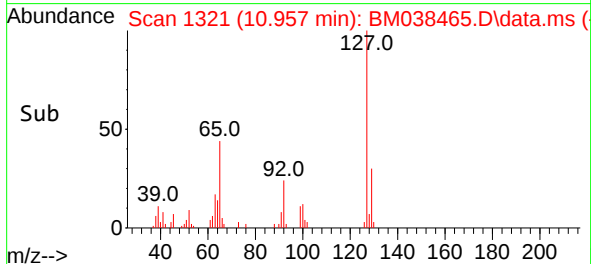
Tgt Ion	Ratio	Lower	Upper
127	100		
129	30.3	26.4	39.6
65	44.3	32.1	48.1
92	23.6	17.6	26.4

Manual Integrations
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Reviewed By :Christian
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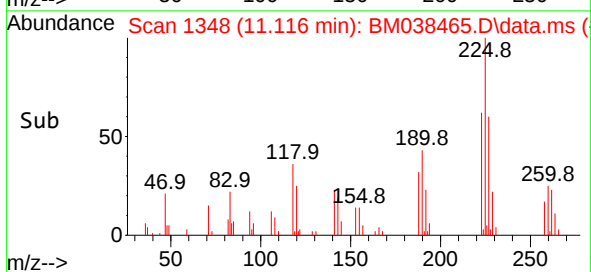
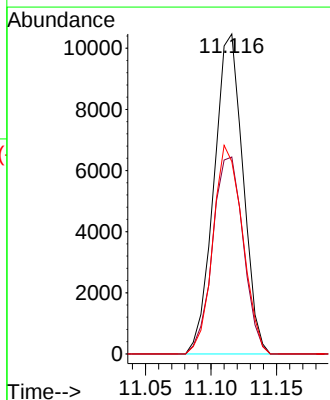
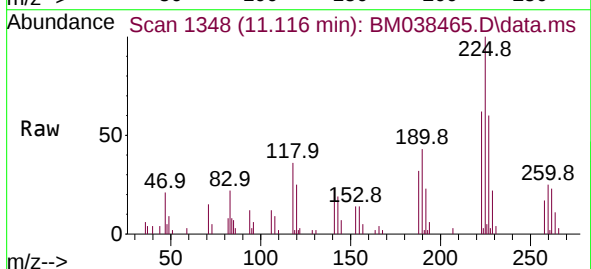
01/24/2023
Supervised By :Jagrut
Upadhyay

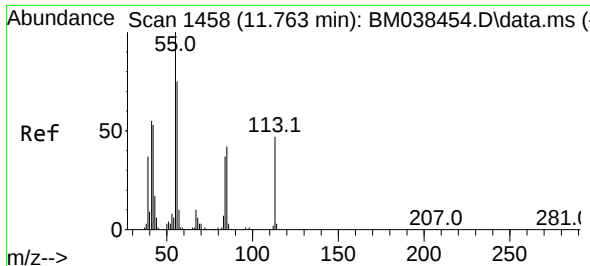
01/27/2023



#34
Hexachlorobutadiene
Concen: 6.623 ng
RT: 11.116 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

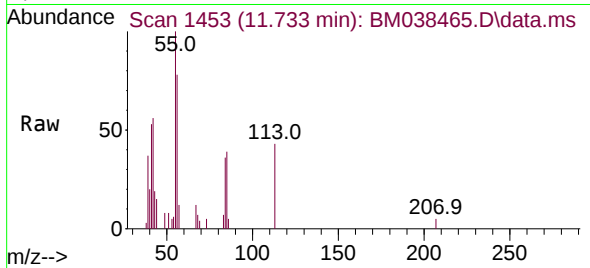
Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.8	49.8	74.8
227	60.1	49.6	74.4





#35
Caprolactam
Concen: 5.239 ng
RT: 11.733 min Scan# 1458
Delta R.T. -0.029 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



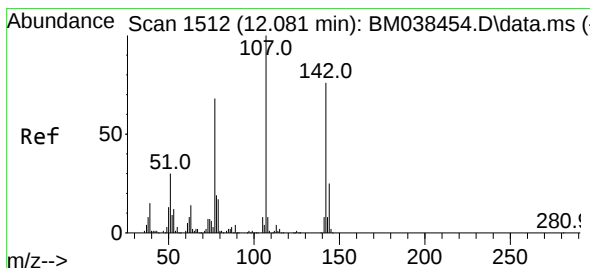
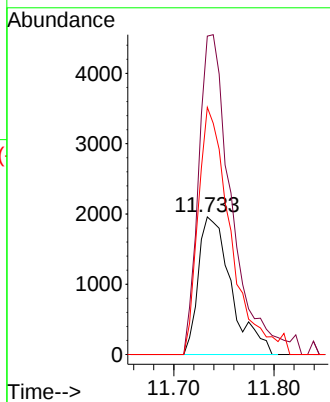
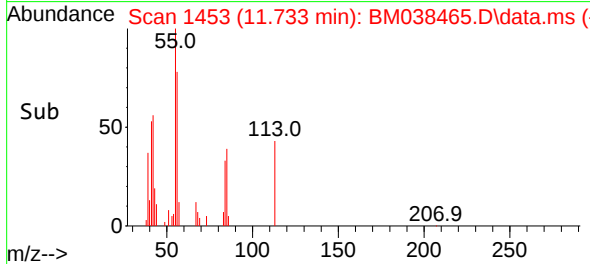
Tgt Ion:113 Resp: 4442
Ion Ratio Lower Upper
113 100
55 231.3 194.2 234.2
56 179.6 141.6 181.6

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Reviewed By :Christian
Giraldo

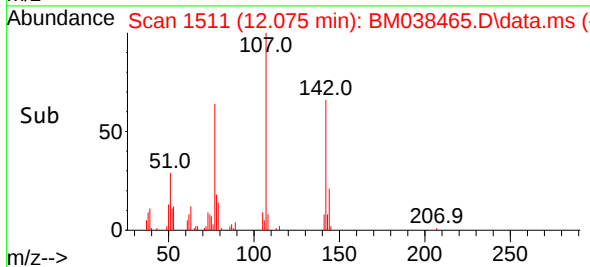
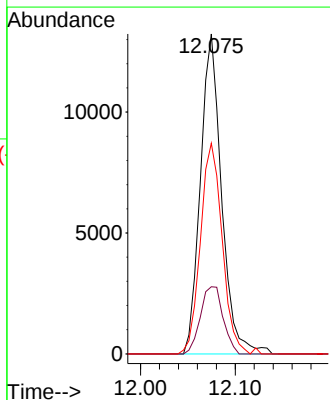
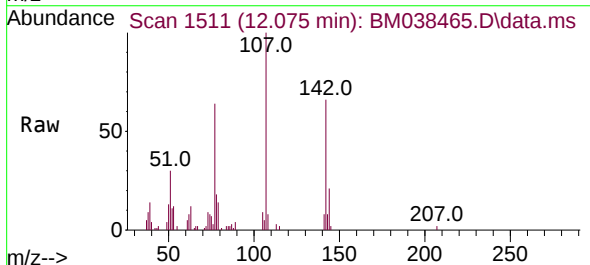
01/24/2023
Supervised By :Jagrut
Upadhyay

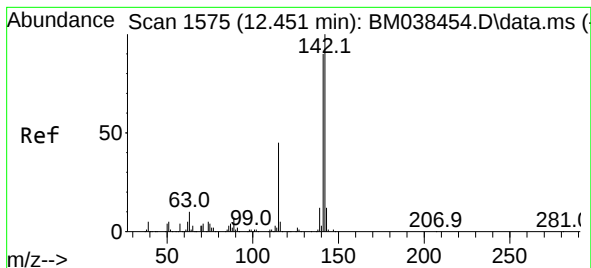
01/27/2023



#36
4-Chloro-3-methylphenol
Concen: 6.279 ng
RT: 12.075 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Tgt Ion:107 Resp: 20538
Ion Ratio Lower Upper
107 100
144 21.0 20.3 30.5
142 65.8 61.2 91.8





#37
2-Methylnaphthalene
Concen: 5.950 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

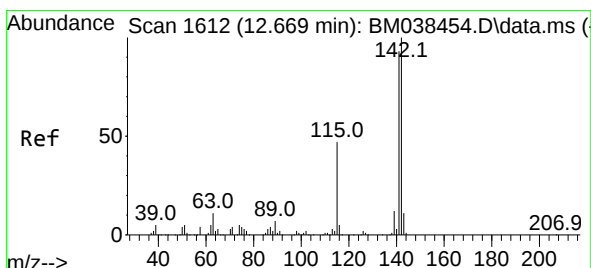
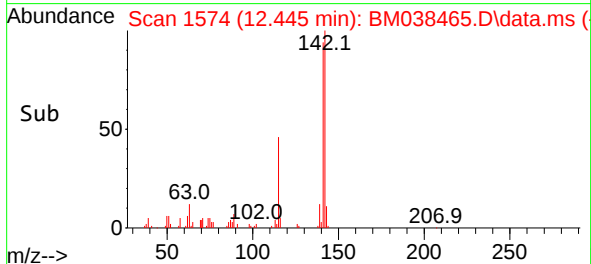
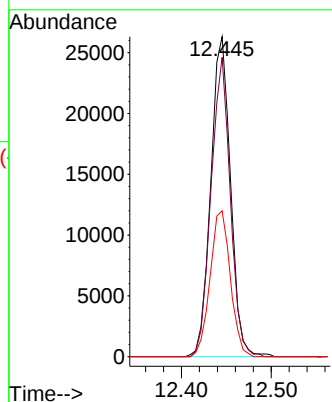
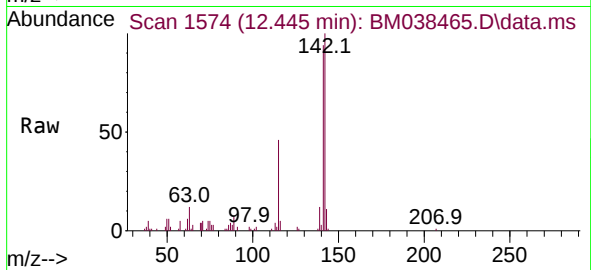
Tgt Ion:142 Resp: 40386
Ion Ratio Lower Upper
142 100
141 93.5 72.0 108.0
115 45.6 35.9 53.9

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Reviewed By :Christian
Giraldo

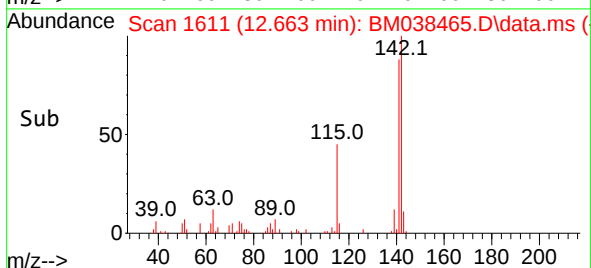
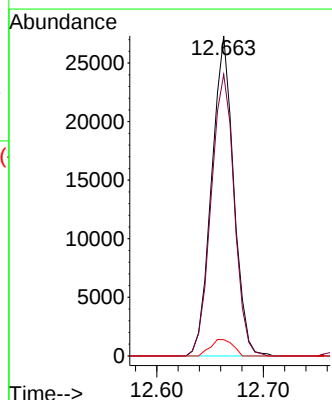
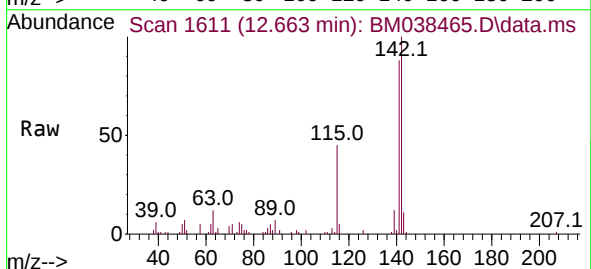
01/24/2023
Supervised By :Jagrut
Upadhyay

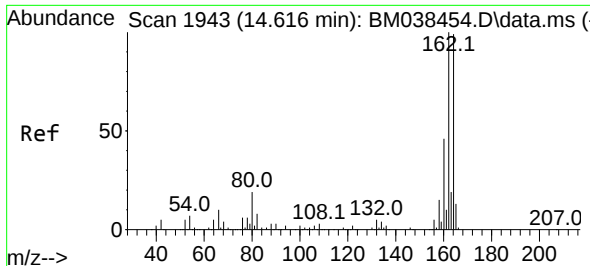
01/27/2023



#38
1-Methylnaphthalene
Concen: 6.174 ng
RT: 12.663 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

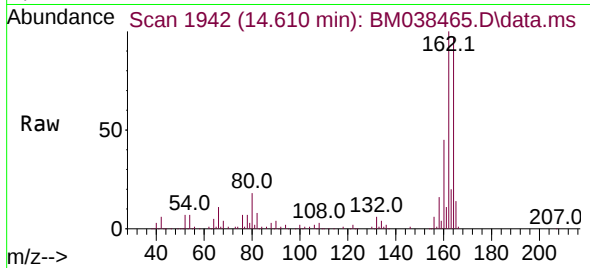
Tgt Ion:142 Resp: 39345
Ion Ratio Lower Upper
142 100
141 88.0 74.4 111.6
116 5.1 3.8 5.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



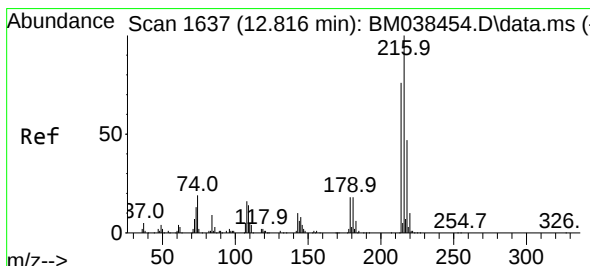
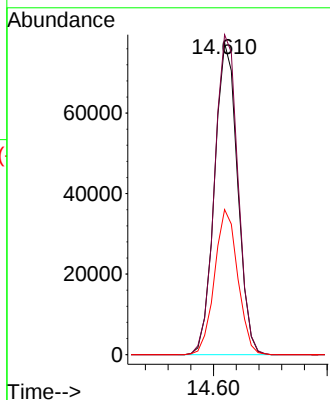
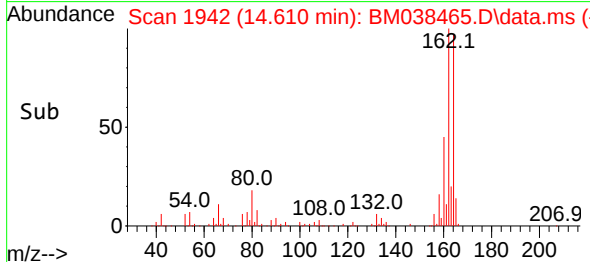
Tgt Ion:164 Resp: 109185
Ion Ratio Lower Upper
164 100
162 102.7 80.9 121.3
160 46.5 37.4 56.0

Manual Integrations
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Reviewed By :Christian
Giraldo

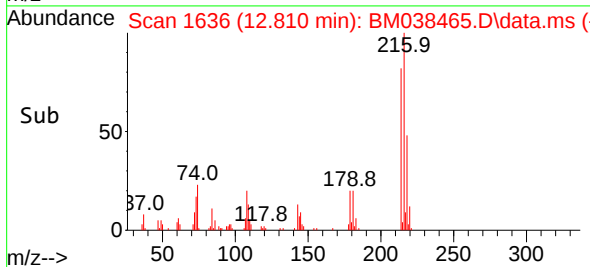
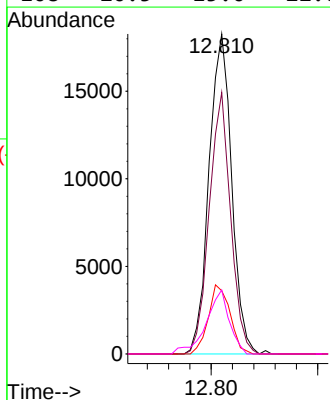
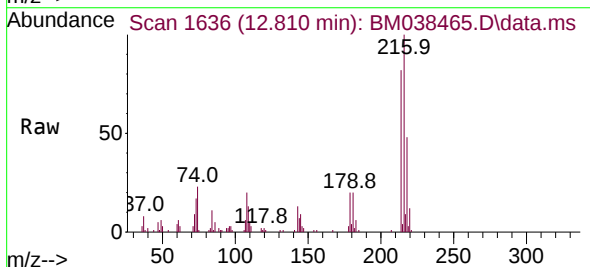
01/24/2023
Supervised By :Jagrut
Upadhyay

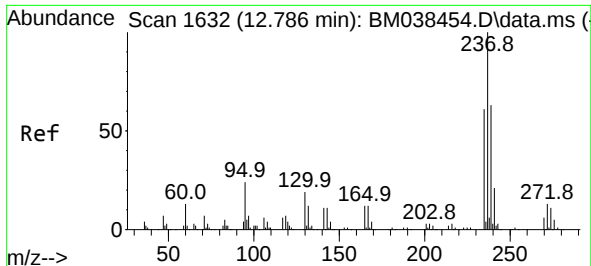
01/27/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.606 ng
RT: 12.810 min Scan# 1636
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

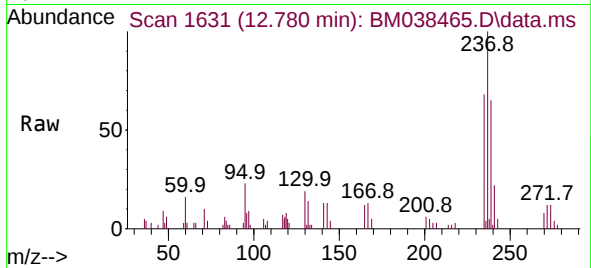
Tgt Ion:216 Resp: 26995
Ion Ratio Lower Upper
216 100
214 76.9 61.4 92.0
179 20.7 15.3 22.9
108 20.5 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 6.560 ng
RT: 12.780 min Scan# 1632
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



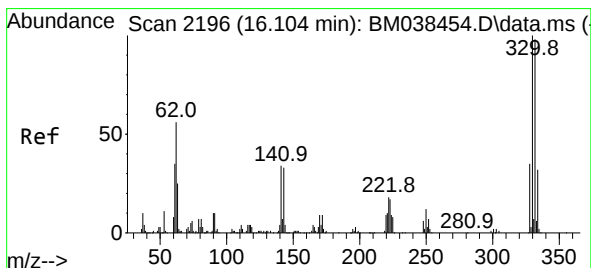
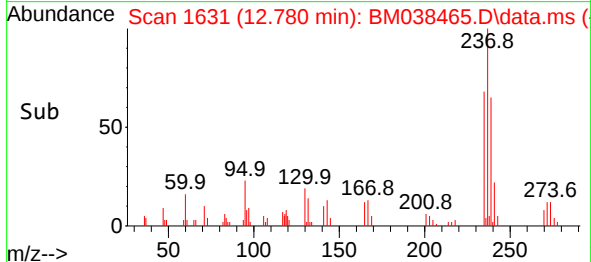
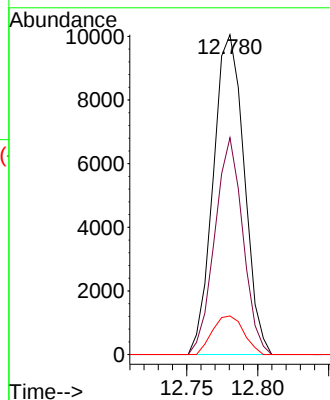
Tgt Ion: 237 Resp: 15243
Ion Ratio Lower Upper
237 100
235 67.8 40.9 80.9
272 12.1 0.0 32.6

Manual Integrations
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Reviewed By : Christian
Giraldo

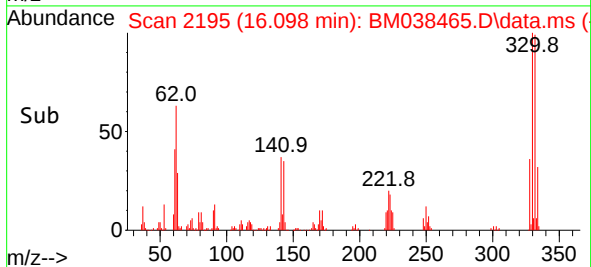
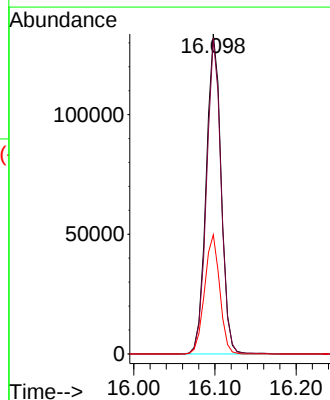
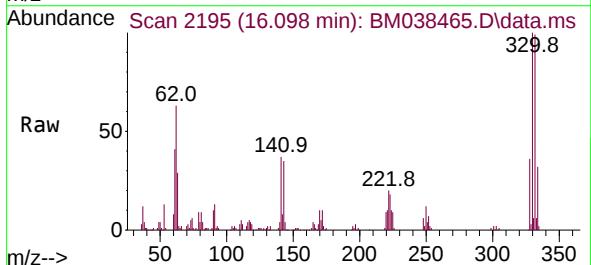
01/24/2023
Supervised By : Jagrut
Upadhyay

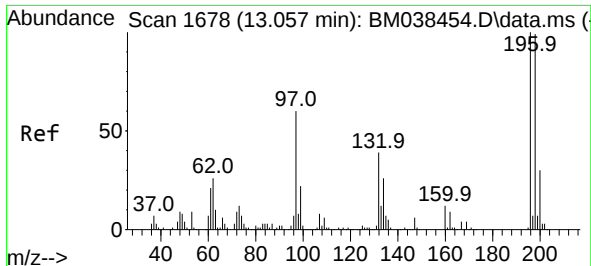
01/27/2023



#42
2,4,6-Tribromophenol
Concen: 92.563 ng
RT: 16.098 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

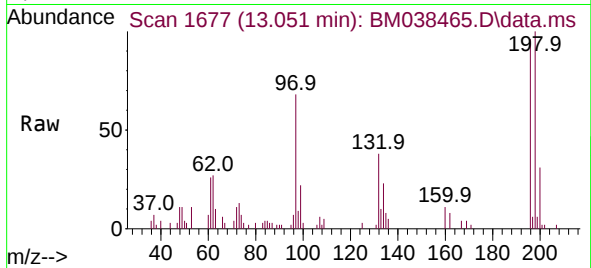
Tgt Ion: 330 Resp: 170851
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.4
141 37.5 28.1 42.1





#43
2,4,6-Trichlorophenol
Concen: 6.071 ng
RT: 13.051 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



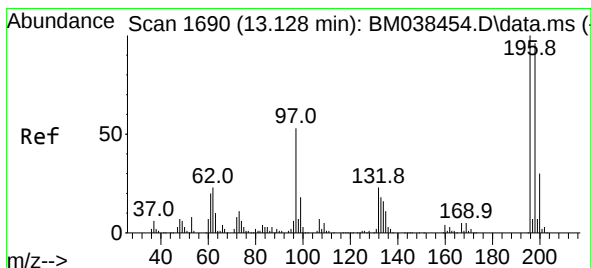
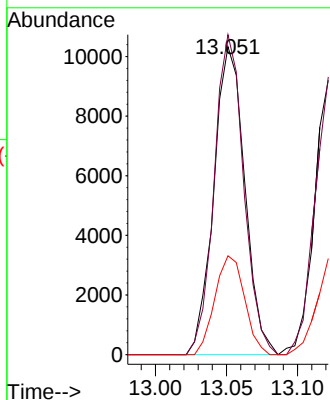
Tgt Ion:196 Resp: 15683
Ion Ratio Lower Upper
196 100
198 103.9 78.8 118.2
200 32.1 24.4 36.6

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Reviewed By :Christian
Giraldo

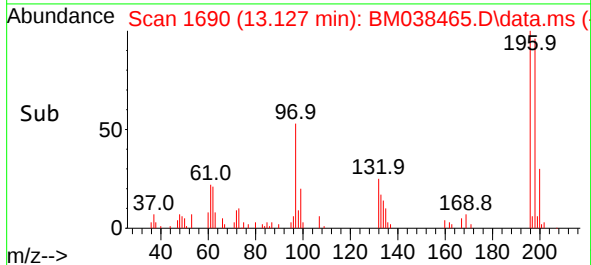
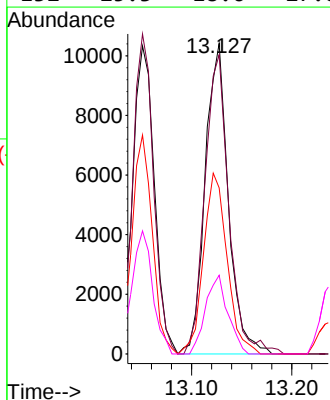
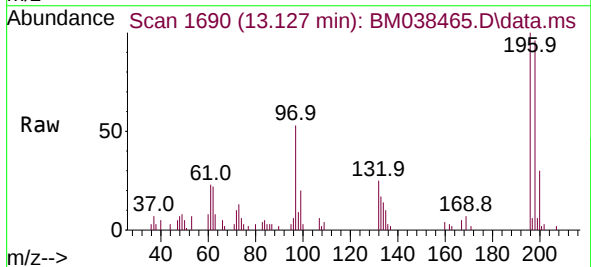
01/24/2023
Supervised By :Jagrut
Upadhyay

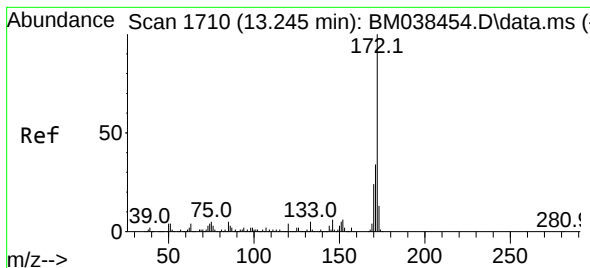
01/27/2023



#44
2,4,5-Trichlorophenol
Concen: 5.502 ng
RT: 13.127 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

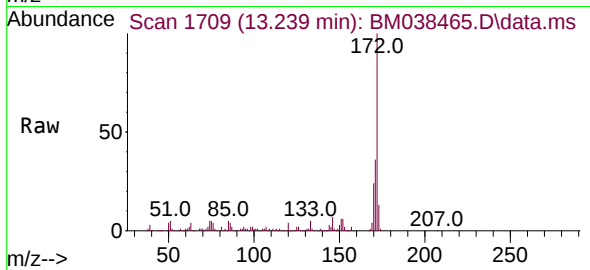
Tgt Ion:196 Resp: 16756
Ion Ratio Lower Upper
196 100
198 96.3 77.4 116.2
97 53.5 42.4 63.6
132 25.3 18.6 27.8





#45
2-Fluorobiphenyl
Concen: 64.851 ng
RT: 13.239 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



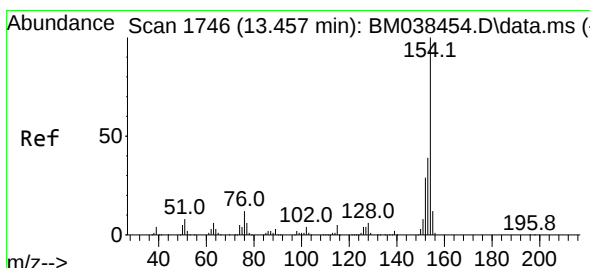
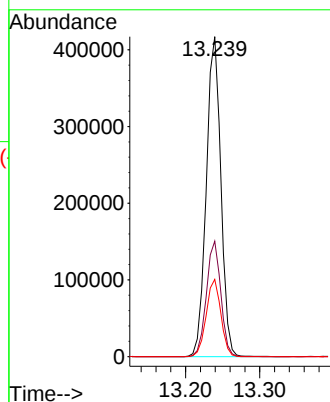
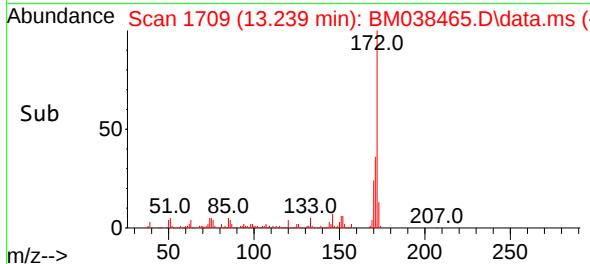
Tgt Ion:172 Resp: 567778
Ion Ratio Lower Upper
172 100
171 36.1 27.5 41.3
170 24.1 19.0 28.6

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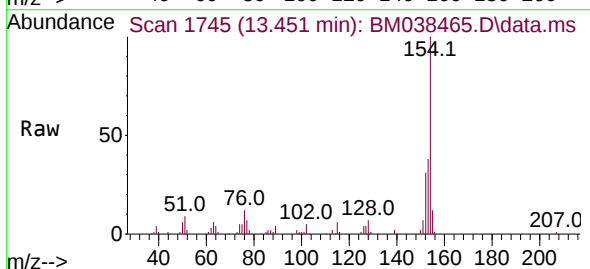
Reviewed By :Christian
Giraldo

01/24/2023
Supervised By :Jagrut
Upadhyay

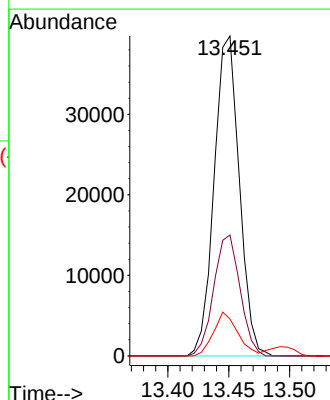
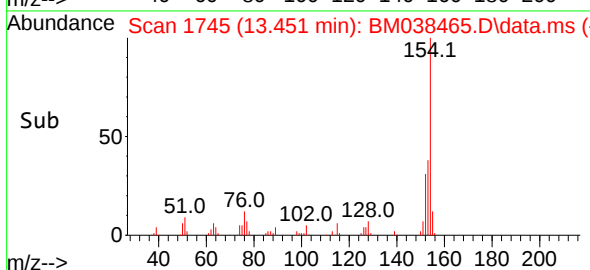
01/27/2023

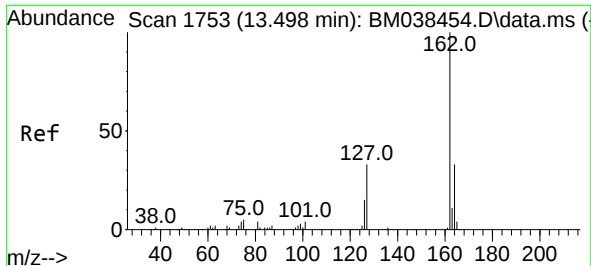


#46
1,1'-Biphenyl
Concen: 6.718 ng
RT: 13.451 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11



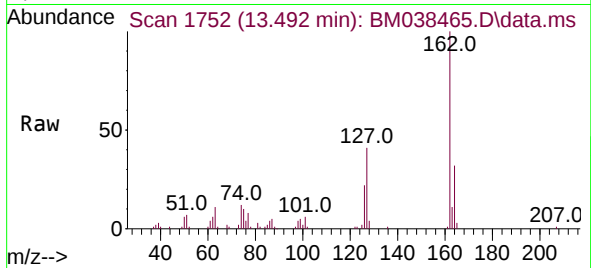
Tgt Ion:154 Resp: 56906
Ion Ratio Lower Upper
154 100
153 37.8 19.3 59.3
76 11.5 0.0 32.2





#47
2-Chloronaphthalene
Concen: 6.758 ng
RT: 13.492 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



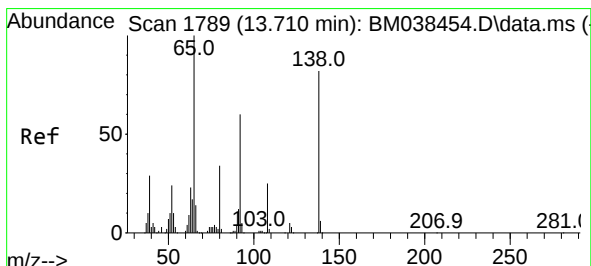
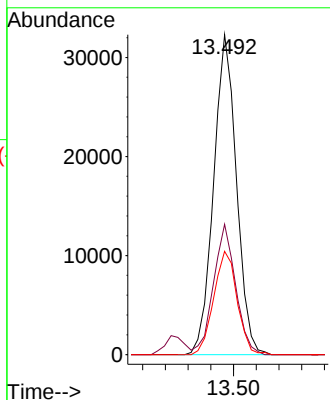
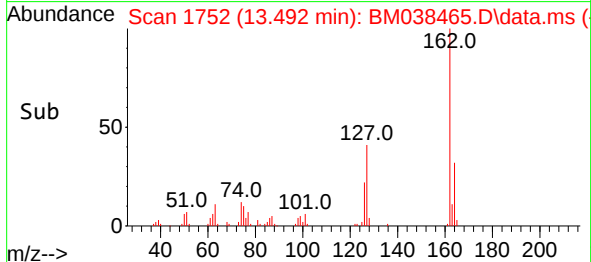
Tgt Ion:162 Resp: 45060
Ion Ratio Lower Upper
162 100
127 40.7 29.5 44.3
164 32.3 26.2 39.4

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Reviewed By :Christian
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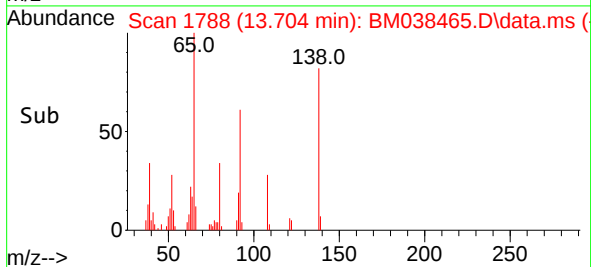
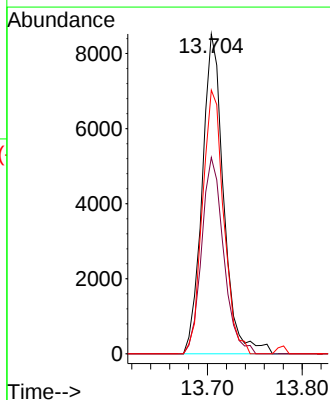
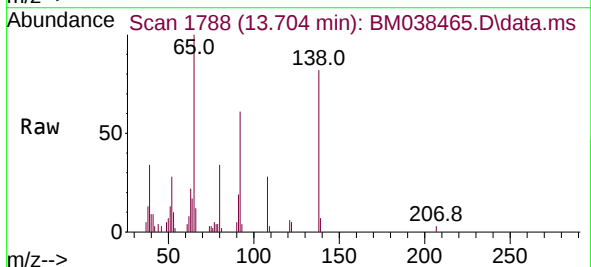
01/24/2023
Supervised By :Jagrut
Upadhyay

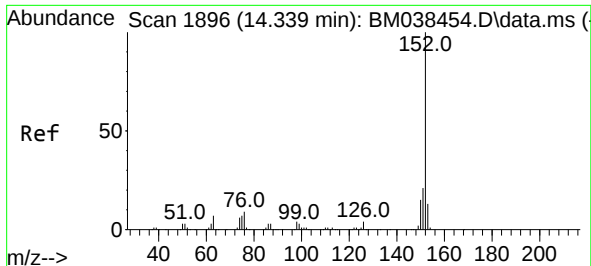
01/27/2023



#48
2-Nitroaniline
Concen: 7.105 ng
RT: 13.704 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

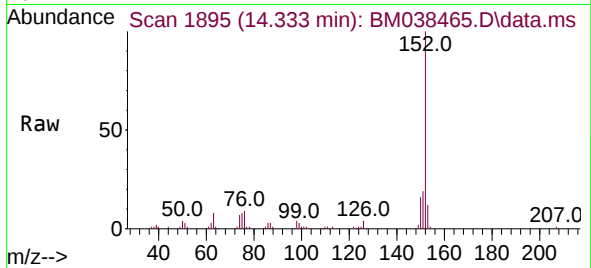
Tgt Ion: 65 Resp: 13395
Ion Ratio Lower Upper
65 100
92 61.4 47.6 71.4
138 82.4 65.8 98.8





#49
Acenaphthylene
Concen: 6.090 ng
RT: 14.333 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



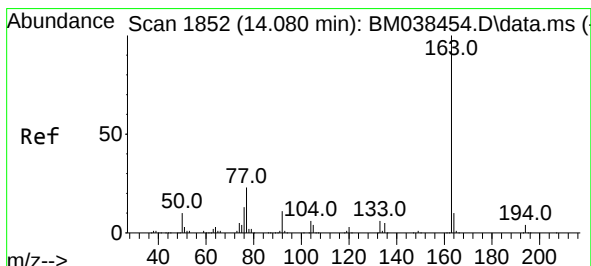
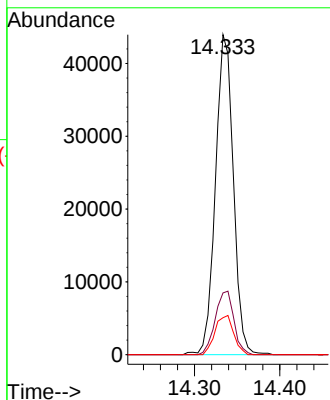
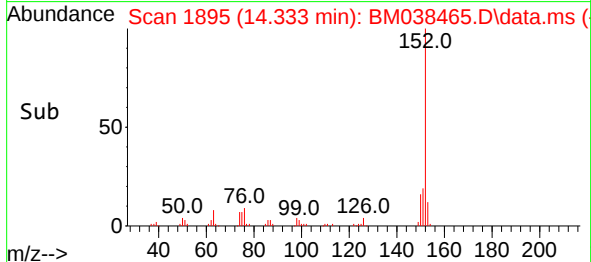
Tgt Ion:152 Resp: 64014
Ion Ratio Lower Upper
152 100
151 19.3 16.4 24.6
153 11.5 10.6 15.8

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Reviewed By :Christian
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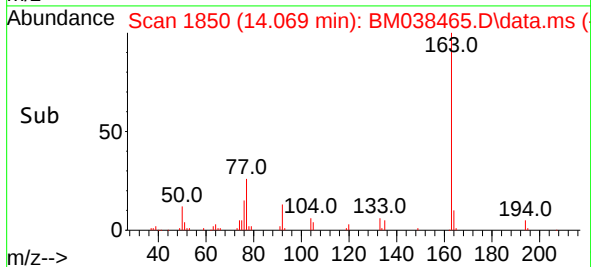
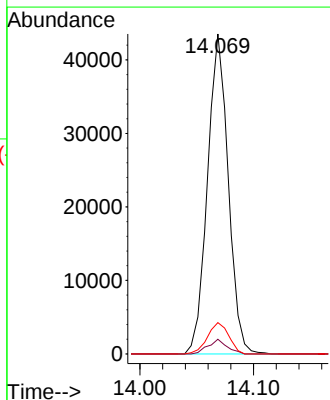
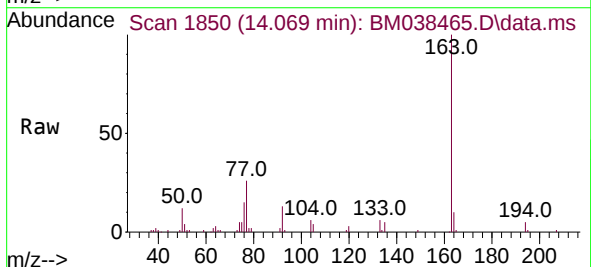
01/24/2023
Supervised By :Jagrut
Upadhyay

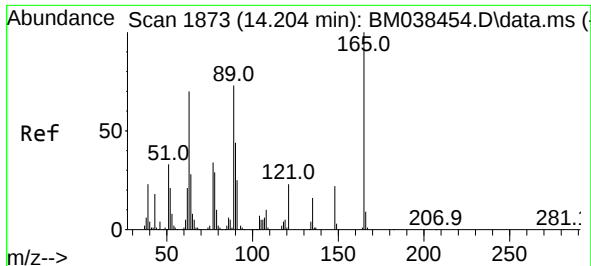
01/27/2023



#50
Dimethylphthalate
Concen: 6.252 ng
RT: 14.069 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

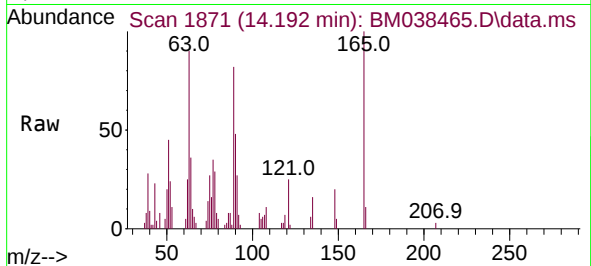
Tgt Ion:163 Resp: 55324
Ion Ratio Lower Upper
163 100
194 4.6 3.6 5.4
164 9.8 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 5.555 ng
RT: 14.192 min Scan# 1873
Delta R.T. -0.012 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



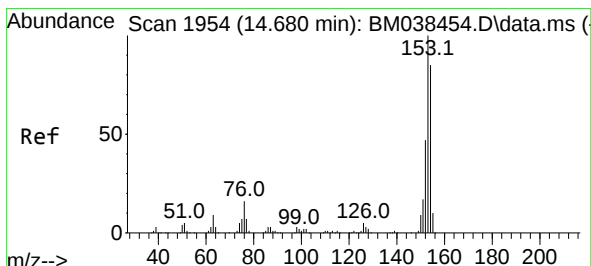
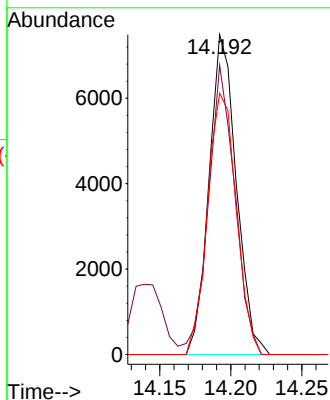
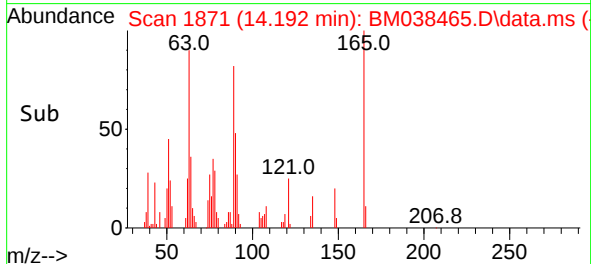
Tgt Ion:165 Resp: 9999
Ion Ratio Lower Upper
165 100
63 90.4 60.9 91.3
89 81.7 58.6 87.8

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Reviewed By :Christian
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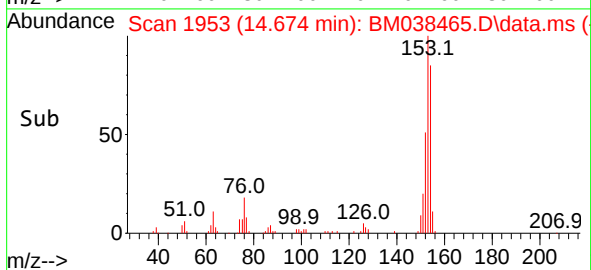
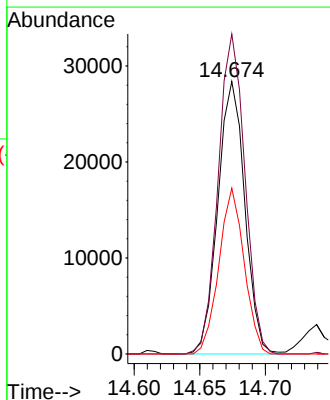
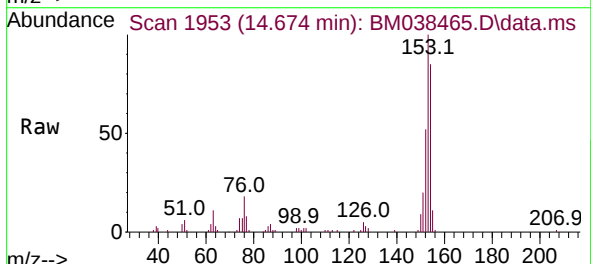
01/24/2023
Supervised By :Jagrut
Upadhyay

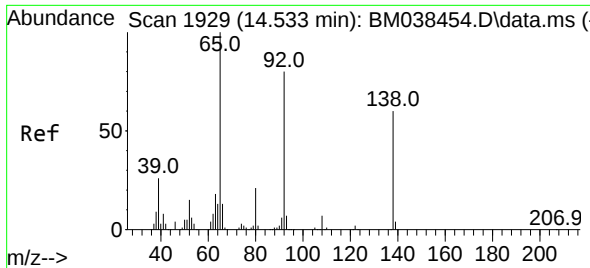
01/27/2023



#52
Acenaphthene
Concen: 6.354 ng
RT: 14.674 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Tgt Ion:154 Resp: 40590
Ion Ratio Lower Upper
154 100
153 117.4 93.8 140.6
152 60.8 44.2 66.4





#53
3-Nitroaniline
Concen: 7.196 ng
RT: 14.527 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

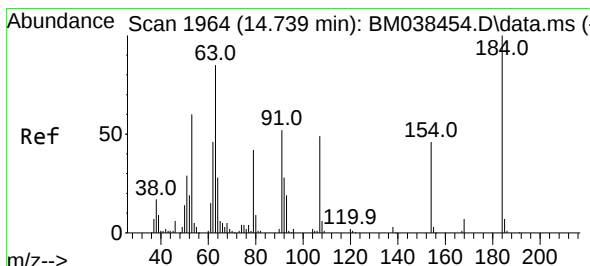
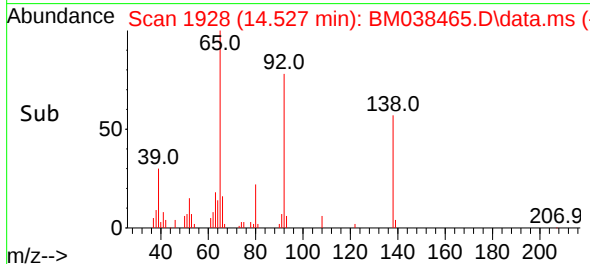
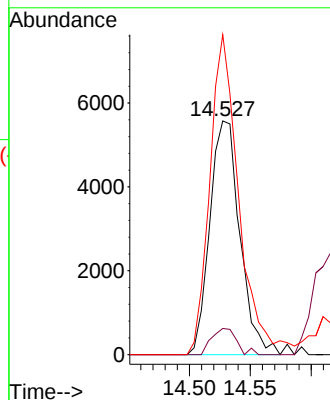
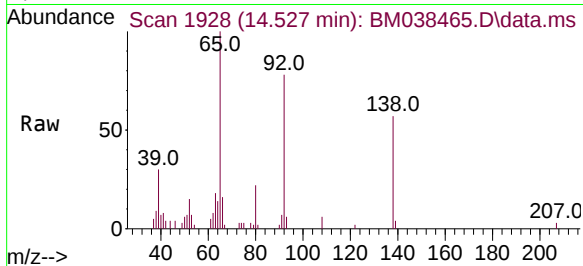
Tgt Ion:138 Resp: 953
Ion Ratio Lower Upper
138 100
108 11.2 8.9 13.3
92 136.9 106.4 159.6

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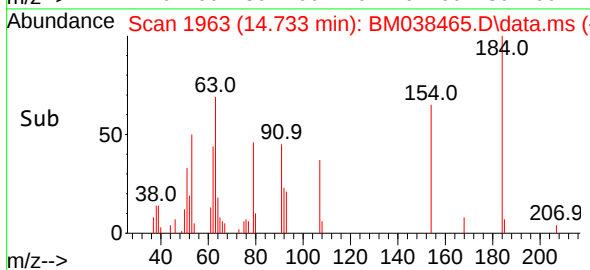
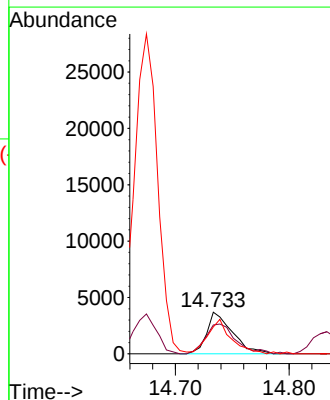
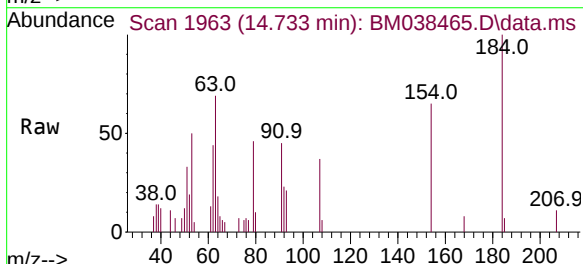
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Supervised By :Jagrut
Upadhyay

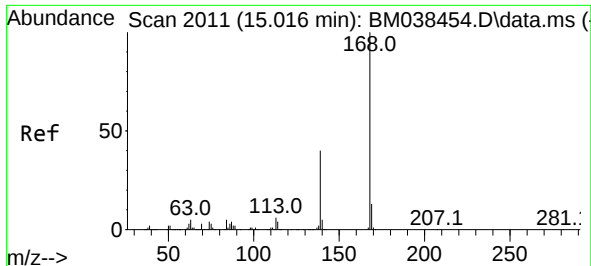
01/27/2023



#54
2,4-Dinitrophenol
Concen: 9.172 ng
RT: 14.733 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

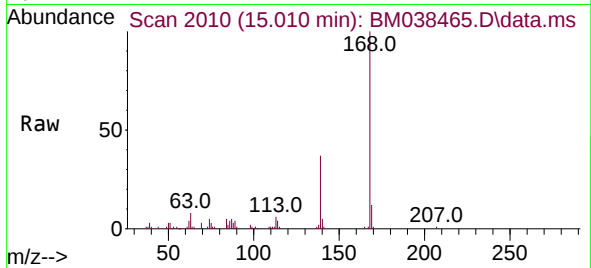
Tgt Ion:184 Resp: 5807
Ion Ratio Lower Upper
184 100
63 69.5 70.0 105.0#
154 64.7 55.6 83.4





#55
Dibenzenofuran
Concen: 6.483 ng
RT: 15.010 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



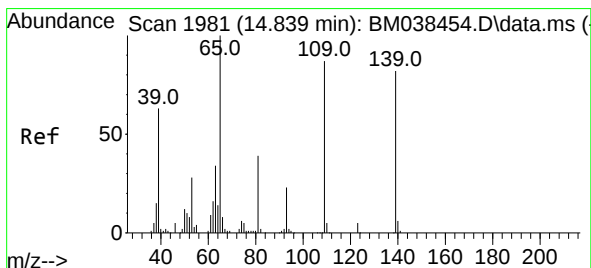
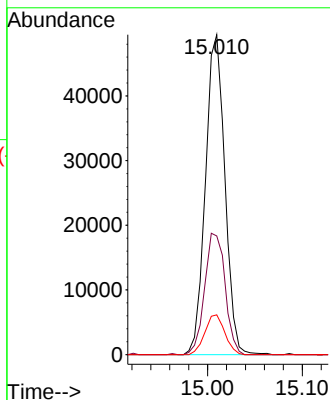
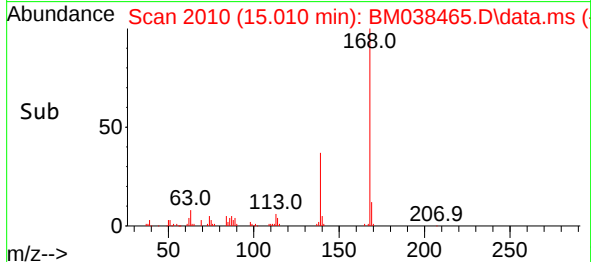
Tgt Ion:168 Resp: 70512
Ion Ratio Lower Upper
168 100
139 37.1 31.9 47.9
169 12.4 10.5 15.7

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Reviewed By :Christian
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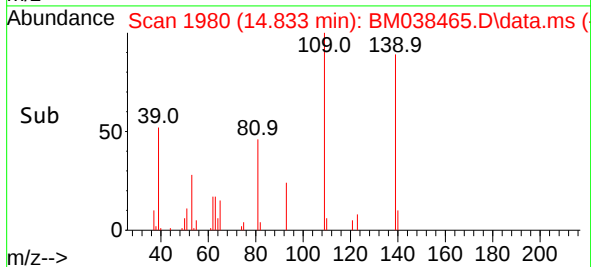
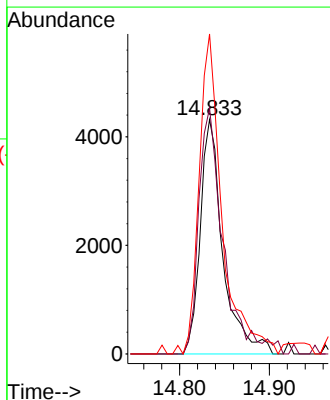
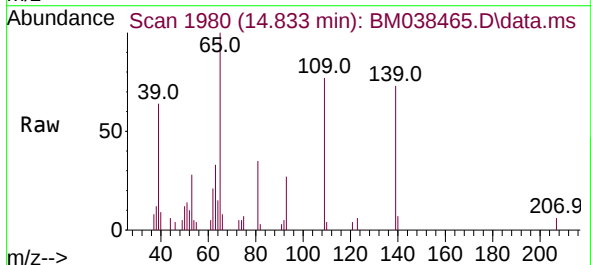
01/24/2023
Supervised By :Jagrut
Upadhyay

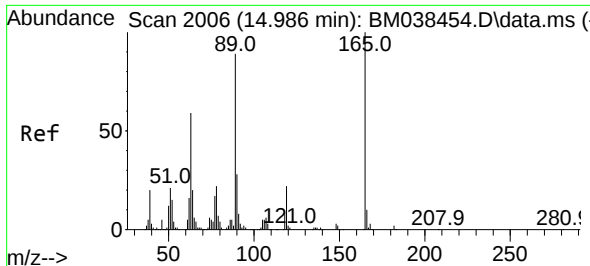
01/27/2023



#56
4-Nitrophenol
Concen: 8.310 ng
RT: 14.833 min Scan# 1980
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

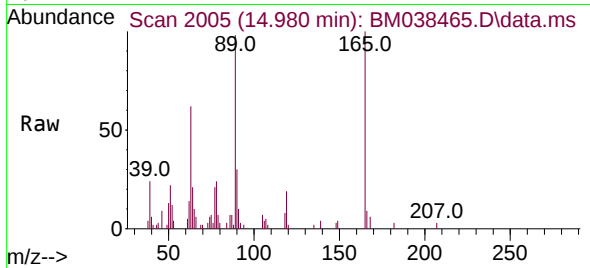
Tgt Ion:139 Resp: 7569
Ion Ratio Lower Upper
139 100
109 105.0 86.0 126.0
65 136.6 102.7 142.7





#57
2,4-Dinitrotoluene
Concen: 5.356 ng
RT: 14.980 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



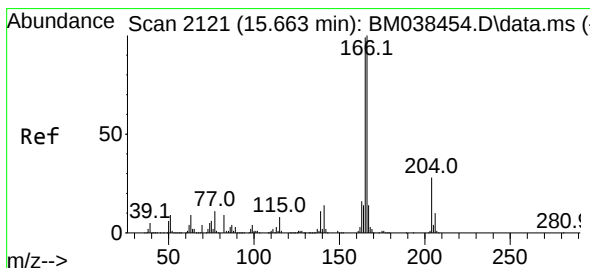
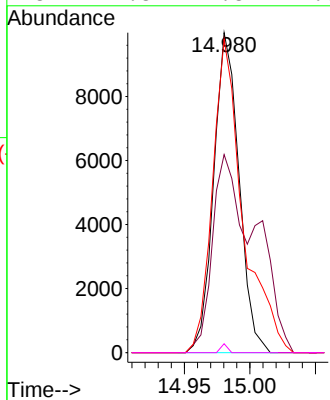
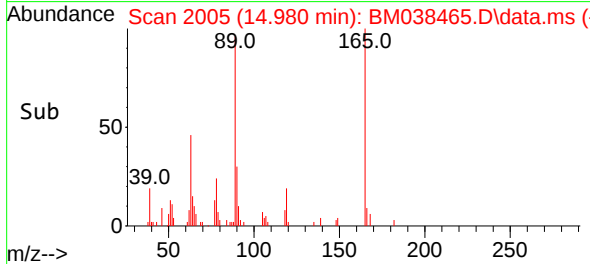
Tgt Ion:165 Resp: 13402
Ion Ratio Lower Upper
165 100
63 61.9 47.7 71.5
89 97.9 71.5 107.3
182 2.8 1.8 2.6#

Manual Integrations
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Reviewed By :Christian
Giraldo

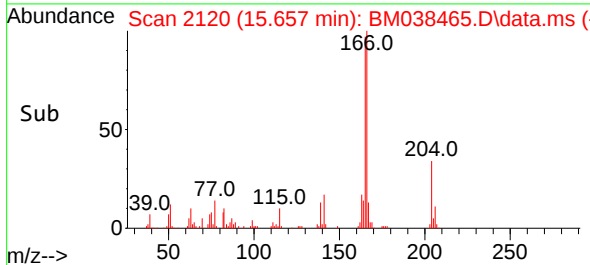
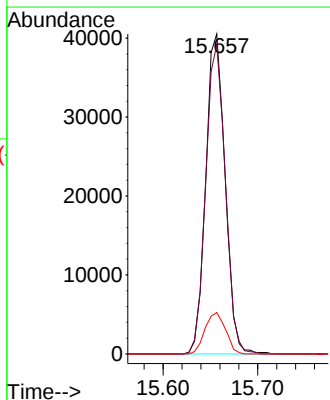
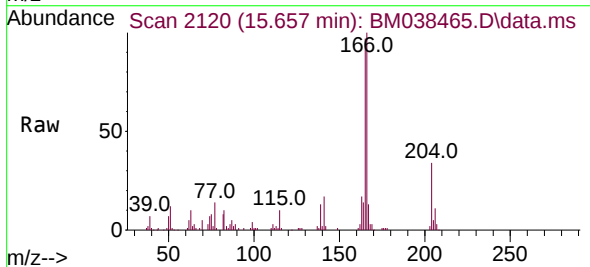
01/24/2023
Supervised By :Jagrut
Upadhyay

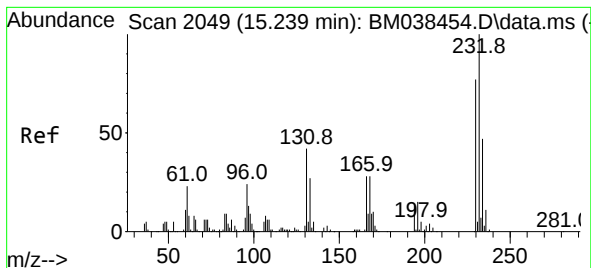
01/27/2023



#58
Fluorene
Concen: 6.318 ng
RT: 15.657 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

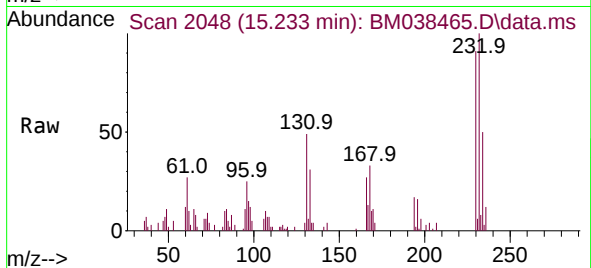
Tgt Ion:166 Resp: 57409
Ion Ratio Lower Upper
166 100
165 96.6 79.2 118.8
167 12.9 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 5.899 ng
RT: 15.233 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



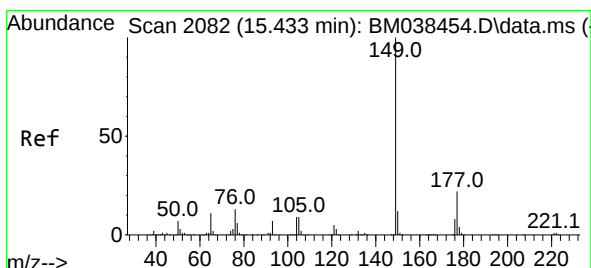
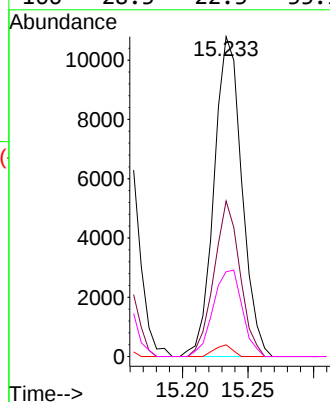
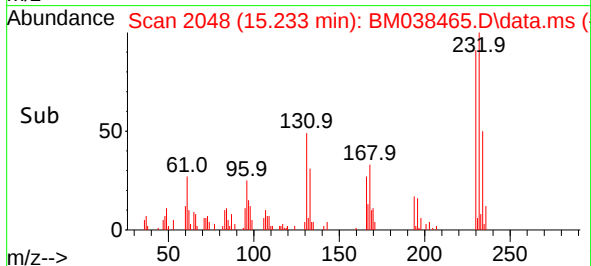
Tgt Ion:232 Resp: 15929
Ion Ratio Lower Upper
232 100
131 45.3 33.8 50.6
130 2.4 1.9 2.9
166 28.3 22.3 33.5

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

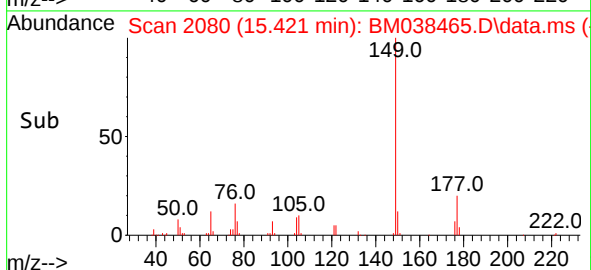
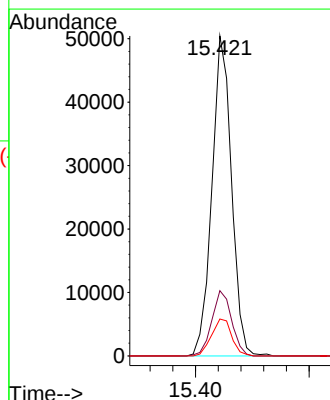
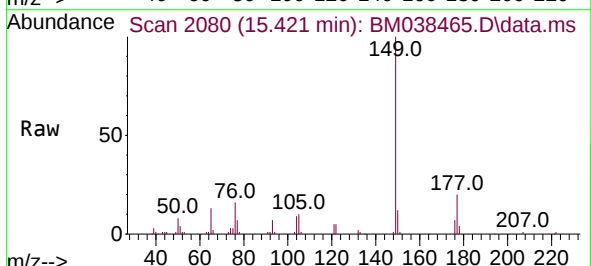
01/24/2023
Supervised By :Jagrut
Upadhyay

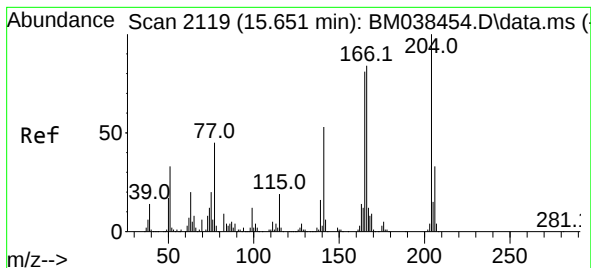
01/27/2023



#60
Diethylphthalate
Concen: 6.641 ng
RT: 15.421 min Scan# 2080
Delta R.T. -0.012 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

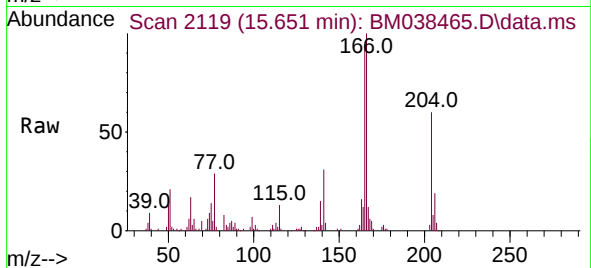
Tgt Ion:149 Resp: 60280
Ion Ratio Lower Upper
149 100
177 20.4 17.8 26.6
150 11.5 9.5 14.3





#61
4-Chlorophenyl-phenylether
Concen: 6.265 ng
RT: 15.651 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



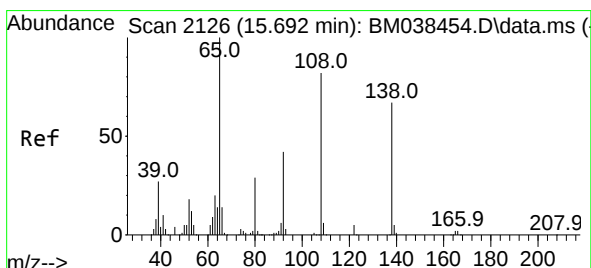
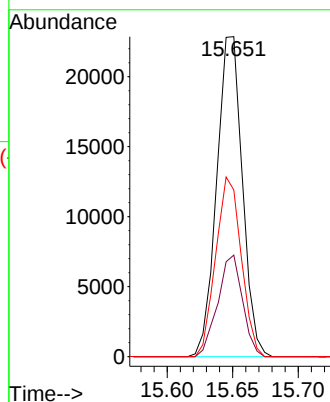
Tgt Ion:204 Resp: 31249
Ion Ratio Lower Upper
204 100
206 31.7 26.2 39.4
141 52.1 42.5 63.7

Manual Integrations
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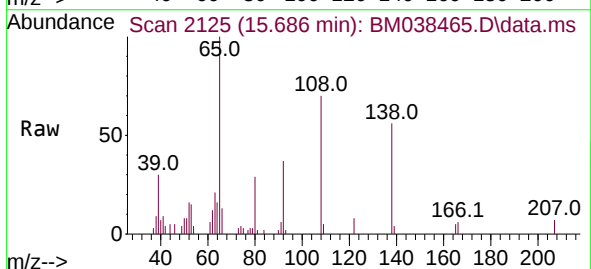
Reviewed By :Christian
Giraldo

01/24/2023
Supervised By :Jagrut
Upadhyay

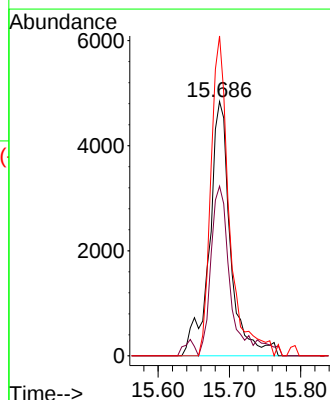
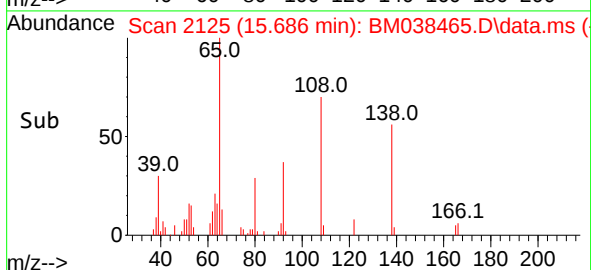
01/27/2023

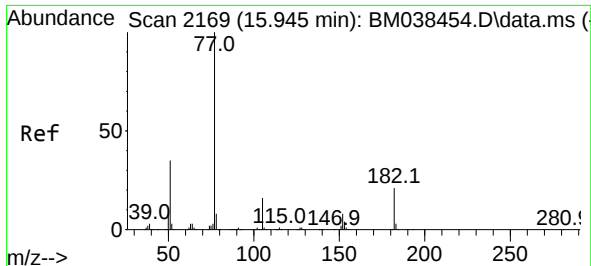


#62
4-Nitroaniline
Concen: 7.361 ng m
RT: 15.686 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11



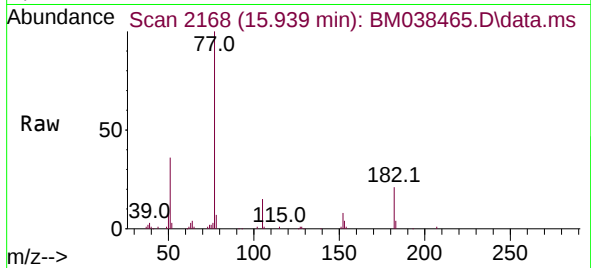
Tgt Ion:138 Resp: 9931
Ion Ratio Lower Upper
138 100
92 66.7 42.1 82.1
108 125.9 102.5 142.5





#63
Azobenzene
Concen: 6.387 ng
RT: 15.939 min Scan# 2169
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



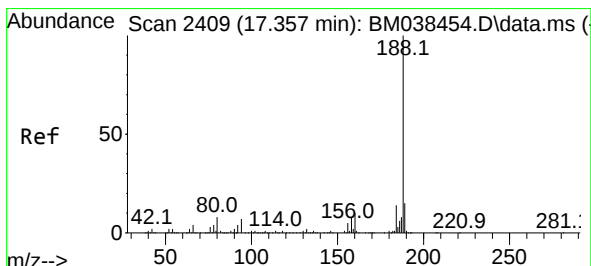
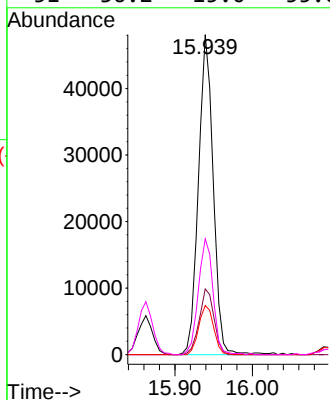
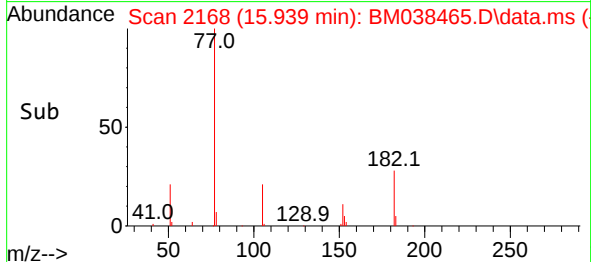
Tgt Ion: 77 Resp: 63793
Ion Ratio Lower Upper
77 100
182 20.5 1.1 41.1
105 15.3 0.0 36.4
51 36.2 15.0 55.0

Manual Integrations
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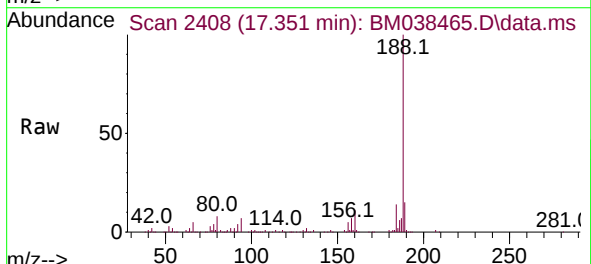
Reviewed By :Christian
Giraldo

01/24/2023
Supervised By :Jagrut
Upadhyay

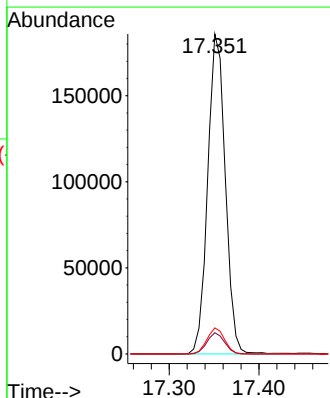
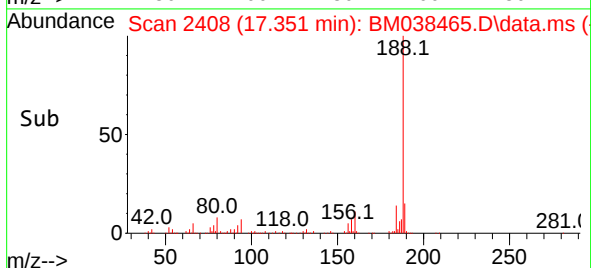
01/27/2023

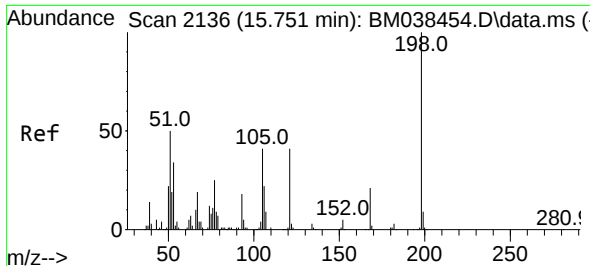


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11



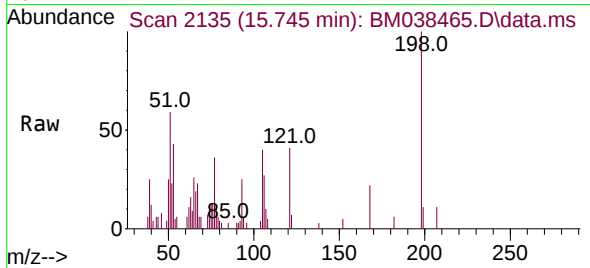
Tgt Ion:188 Resp: 252778
Ion Ratio Lower Upper
188 100
94 6.6 5.4 8.0
80 8.1 6.5 9.7





#65
4,6-Dinitro-2-methylphenol
Concen: 4.933 ng
RT: 15.745 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



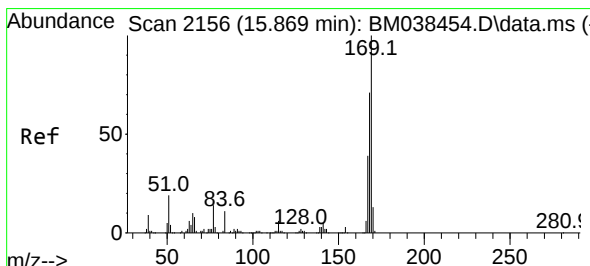
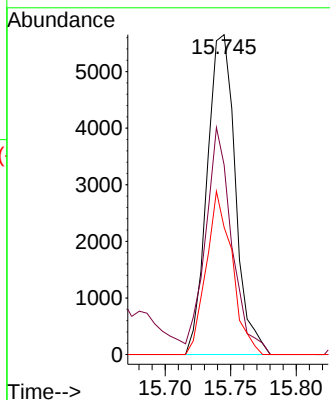
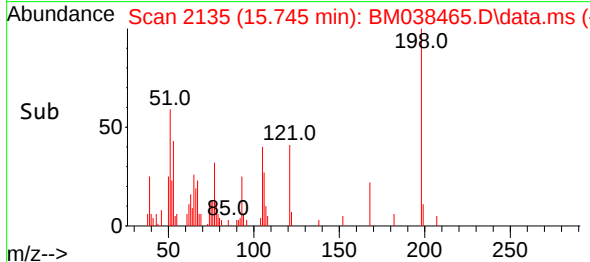
Tgt Ion:198 Resp: 846
Ion Ratio Lower Upper
198 100
51 59.3 31.6 71.6
105 39.8 21.5 61.5

Manual Integrations
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Reviewed By :Christian
Giraldo

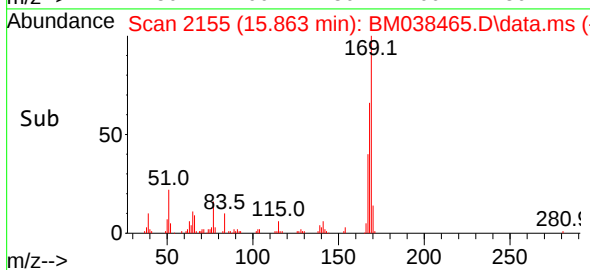
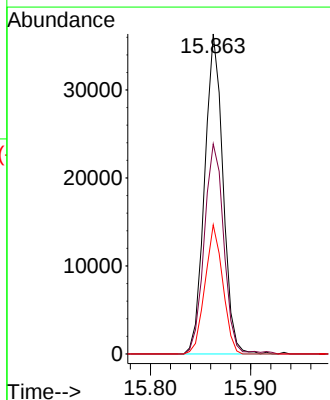
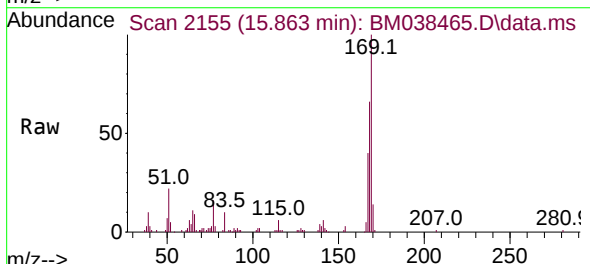
01/24/2023
Supervised By :Jagrut
Upadhyay

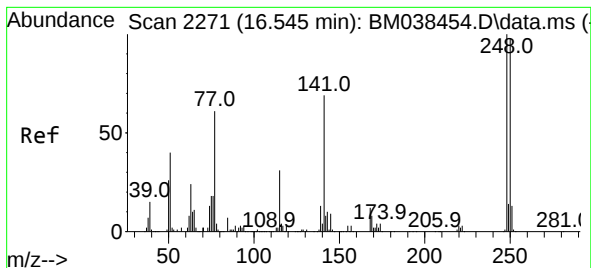
01/27/2023



#66
n-Nitrosodiphenylamine
Concen: 6.216 ng
RT: 15.863 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

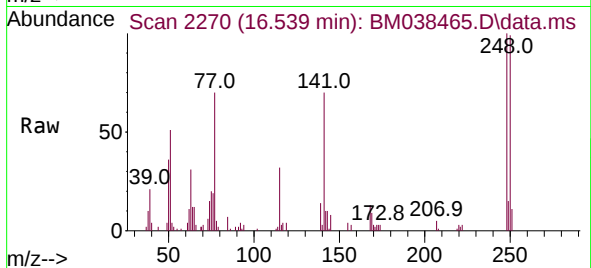
Tgt Ion:169 Resp: 46105
Ion Ratio Lower Upper
169 100
168 65.6 56.6 85.0
167 40.3 31.1 46.7





#67
4-Bromophenyl-phenylether
Concen: 6.206 ng
RT: 16.539 min Scan# 211
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



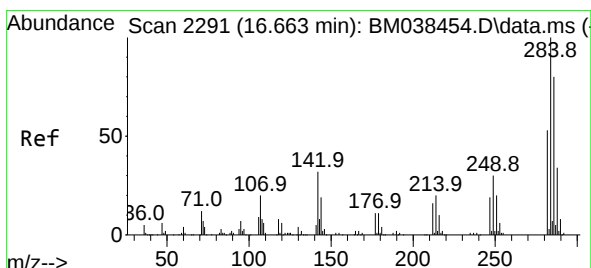
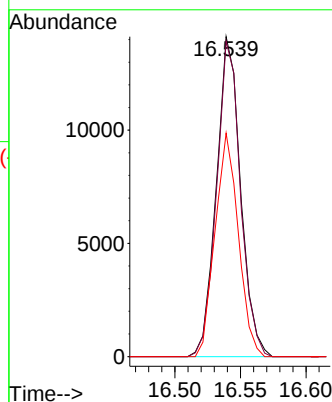
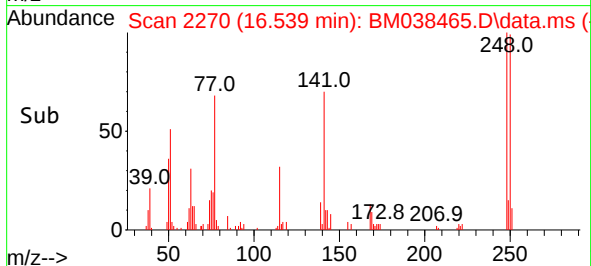
Tgt Ion:248 Resp: 18145
Ion Ratio Lower Upper
248 100
250 98.5 78.3 117.5
141 69.8 55.1 82.7

Manual Integrations
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Reviewed By :Christian
Giraldo

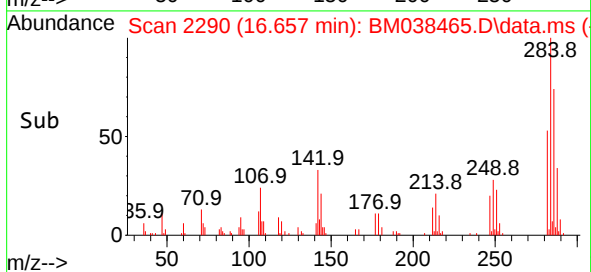
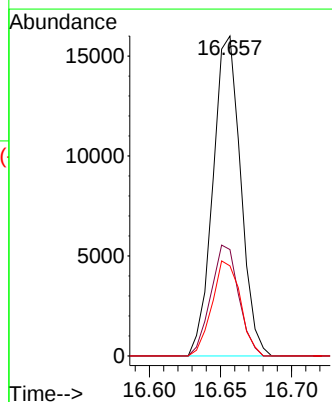
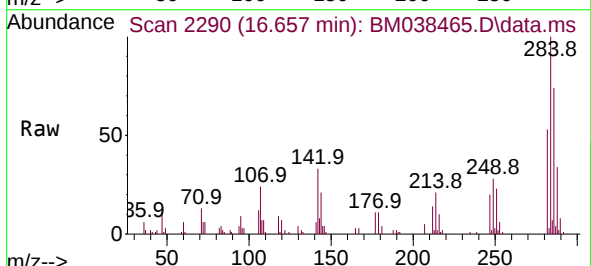
01/24/2023
Supervised By :Jagrut
Upadhyay

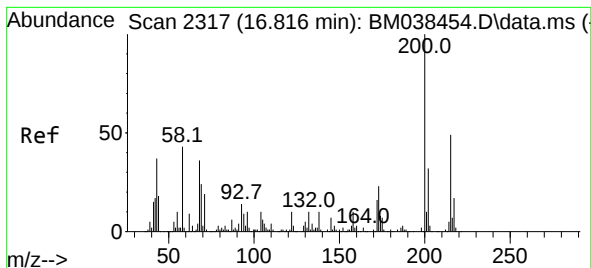
01/27/2023



#68
Hexachlorobenzene
Concen: 6.641 ng
RT: 16.657 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Tgt Ion:284 Resp: 21745
Ion Ratio Lower Upper
284 100
142 33.3 26.0 39.0
249 28.1 23.8 35.8





#69

Atrazine

Concen: 6.730 ng

RT: 16.810 min Scan# 2317

Delta R.T. -0.006 min

Lab File: BM038465.D

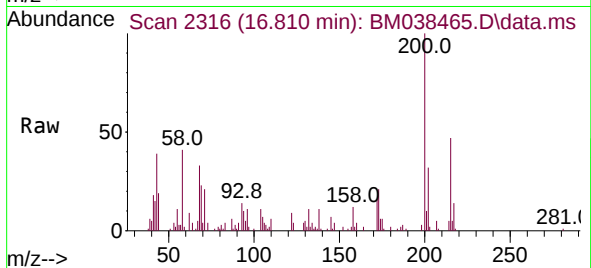
Acq: 17 Jan 2023 14:11

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:200	Resp:	17652
Ion Ratio	Lower	Upper
200	100	
173	21.4	3.4 43.4
215	47.4	29.3 69.3

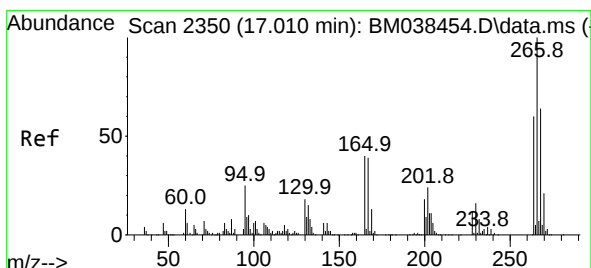
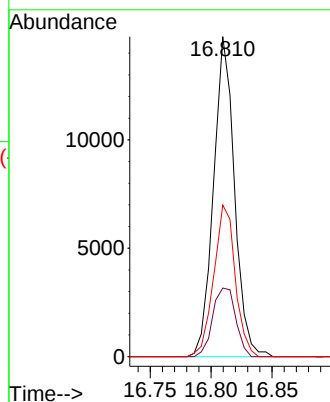
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

01/24/2023

Supervised By :Jagrut
Upadhyay

01/27/2023



#70

Pentachlorophenol

Concen: 4.980 ng

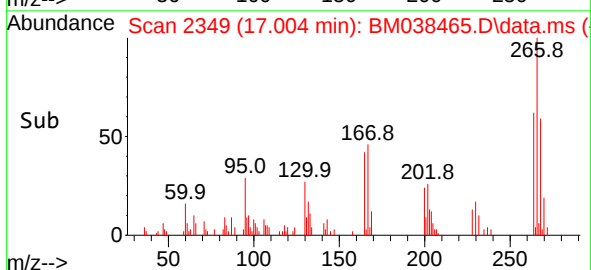
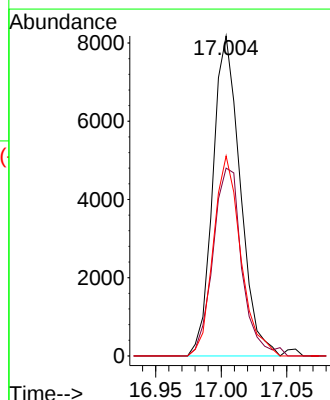
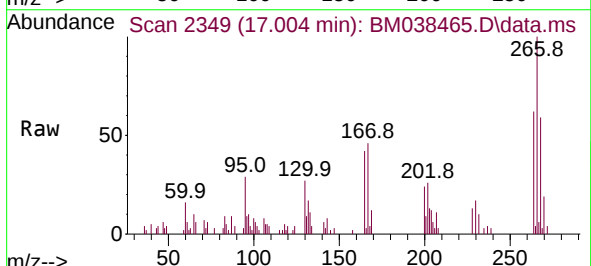
RT: 17.004 min Scan# 2349

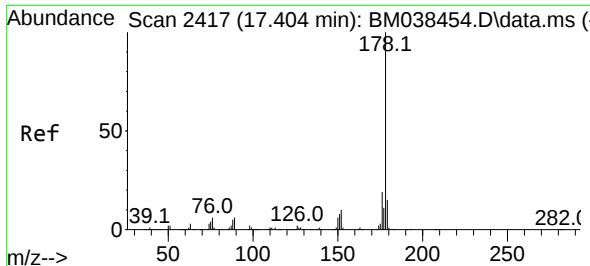
Delta R.T. -0.006 min

Lab File: BM038465.D

Acq: 17 Jan 2023 14:11

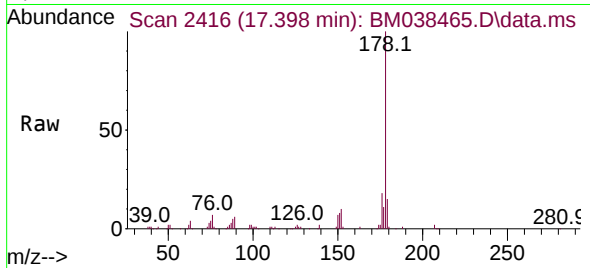
Tgt Ion:266	Resp:	11903
Ion Ratio	Lower	Upper
266	100	
268	58.7	51.4 77.0
264	62.5	48.2 72.2





#71
Phenanthrene
Concen: 6.412 ng
RT: 17.398 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



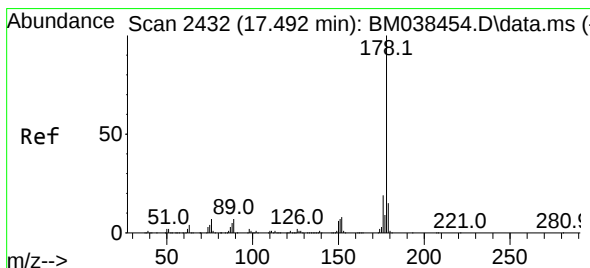
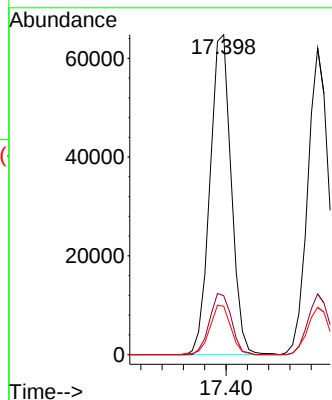
Tgt Ion:178 Resp: 89668
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.2 12.1 18.1

Manual Integrations
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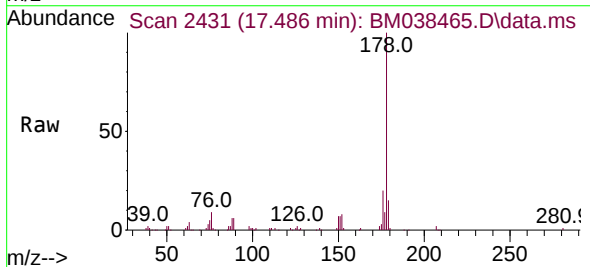
Reviewed By :Christian
Giraldo

01/24/2023
Supervised By :Jagrut
Upadhyay

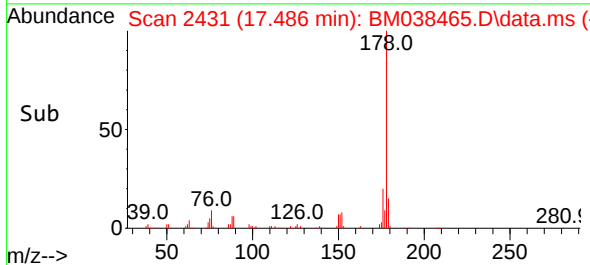
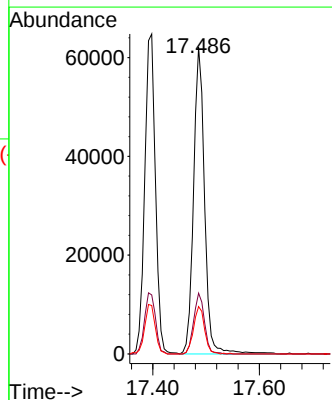
01/27/2023

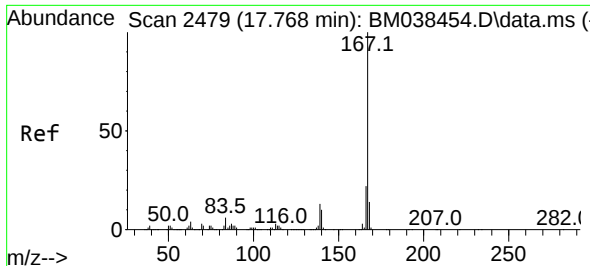


#72
Anthracene
Concen: 6.203 ng
RT: 17.486 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11



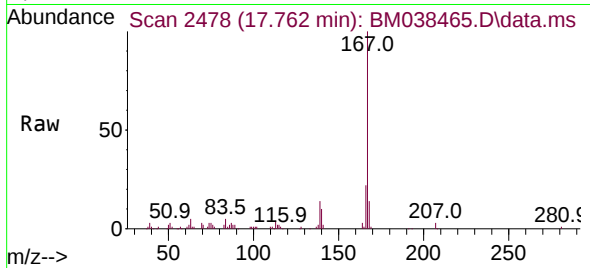
Tgt Ion:178 Resp: 89152
Ion Ratio Lower Upper
178 100
176 19.8 15.0 22.6
179 15.4 12.2 18.2





#73
 Carbazole
 Concen: 6.000 ng
 RT: 17.762 min Scan# 2479
 Delta R.T. -0.006 min
 Lab File: BM038465.D
 Acq: 17 Jan 2023 14:11

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022



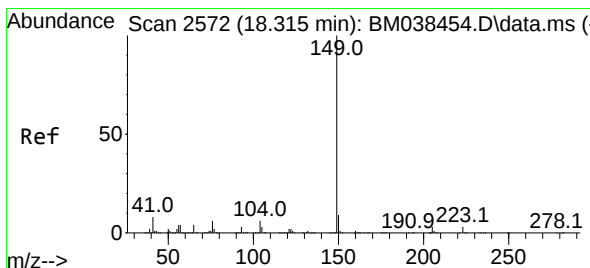
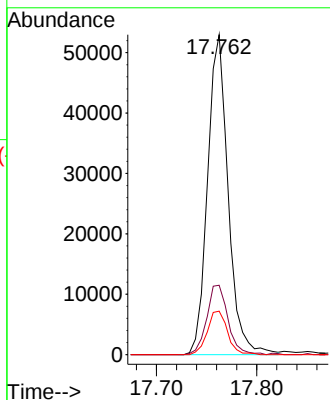
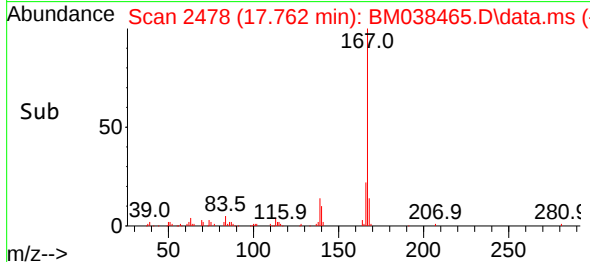
Tgt Ion:167 Resp: 75408
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.0
 139 13.6 10.1 15.1

Manual Integrations
 APPROVED

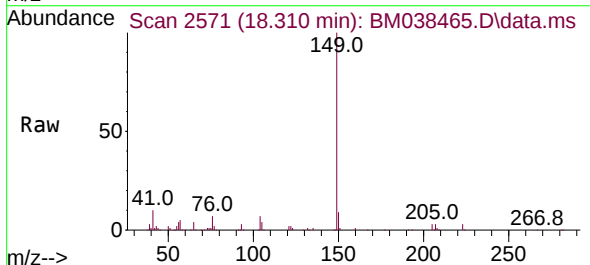
Reviewed By :Christian
 Giraldo

01/24/2023
 Supervised By :Jagrut
 Upadhyay

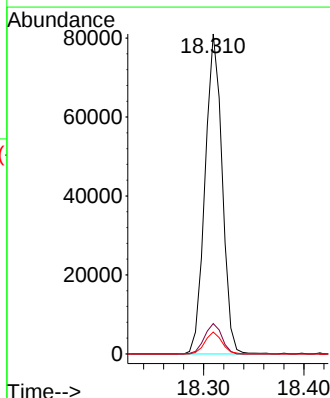
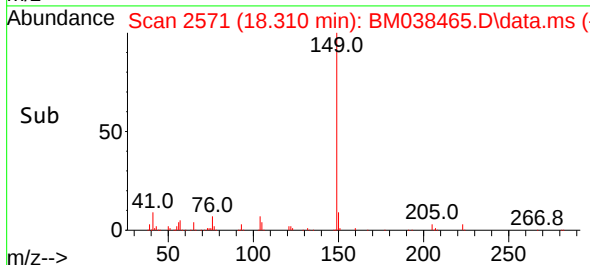
01/27/2023

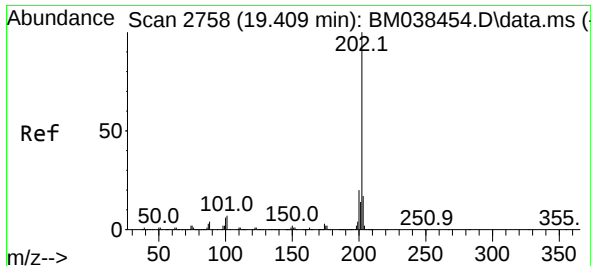


#74
 Di-n-butylphthalate
 Concen: 6.409 ng
 RT: 18.310 min Scan# 2571
 Delta R.T. -0.006 min
 Lab File: BM038465.D
 Acq: 17 Jan 2023 14:11



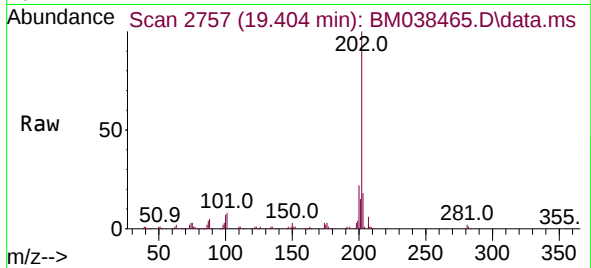
Tgt Ion:149 Resp: 95668
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.4 11.2
 104 6.8 4.7 7.1





#75
Fluoranthene
Concen: 6.069 ng
RT: 19.404 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



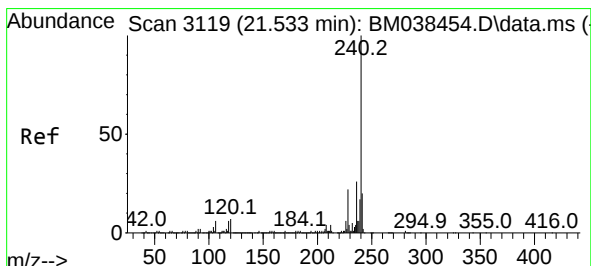
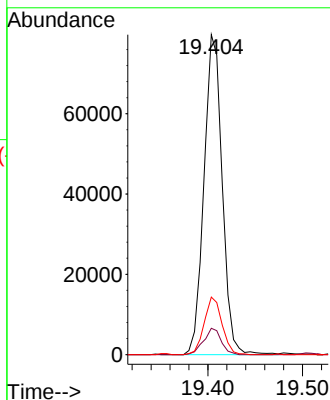
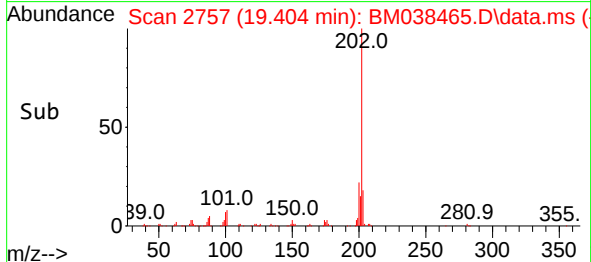
Tgt Ion:202 Resp: 106692
Ion Ratio Lower Upper
202 100
101 8.2 0.0 27.4
203 18.0 0.0 37.1

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

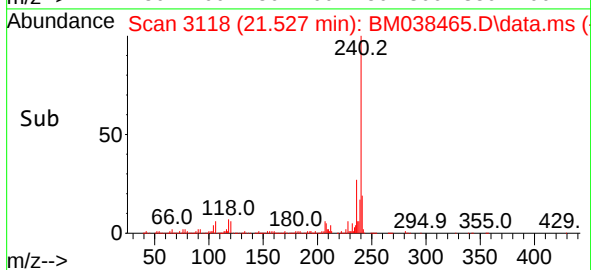
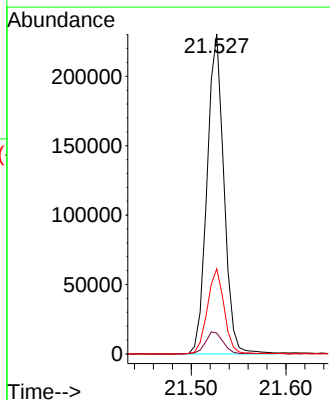
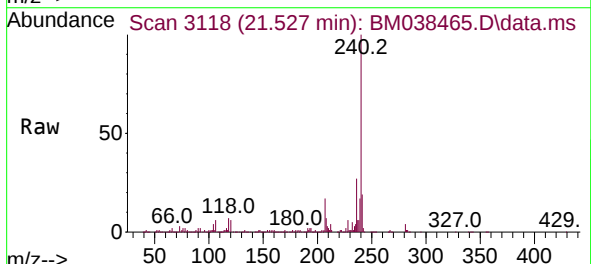
01/24/2023
Supervised By :Jagrut
Upadhyay

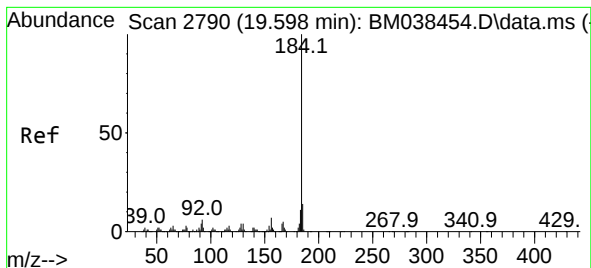
01/27/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Tgt Ion:240 Resp: 285832
Ion Ratio Lower Upper
240 100
120 6.5 5.6 8.4
236 26.6 21.0 31.4





#77

Benzidine

Concen: 7.314 ng

RT: 19.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038465.D

Acq: 17 Jan 2023 14:11

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:184 Resp: 45809
 Ion Ratio Lower Upper
 184 100
 185 14.1 11.1 16.7
 183 10.8 8.6 13.0

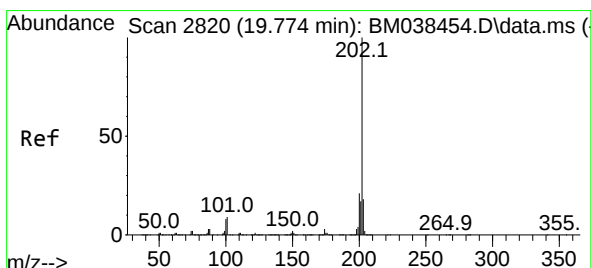
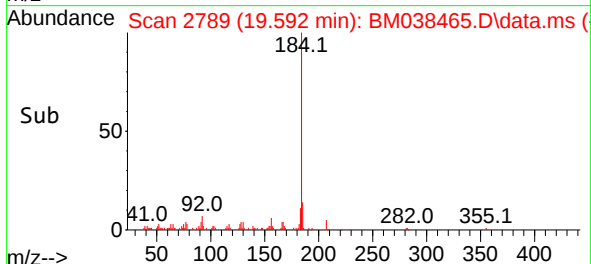
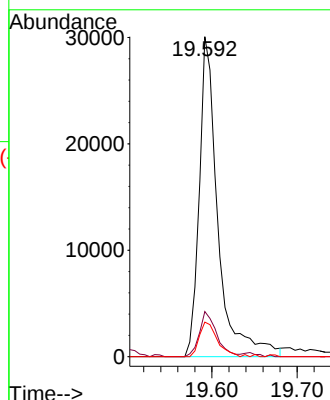
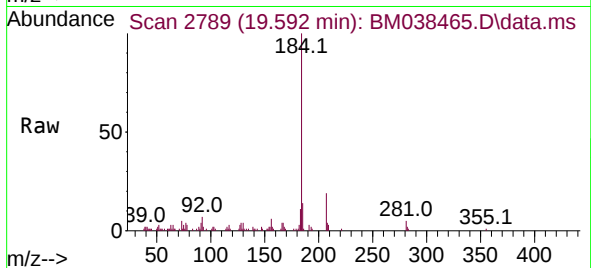
Manual Integrations
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Reviewed By :Christian
 Giraldo

01/24/2023

Supervised By :Jagrut
 Upadhyay

01/27/2023



#78

Pyrene

Concen: 6.143 ng

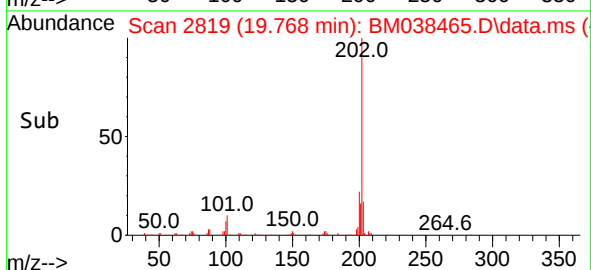
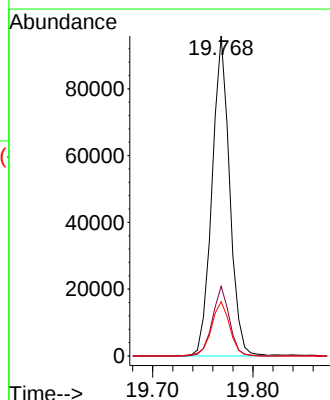
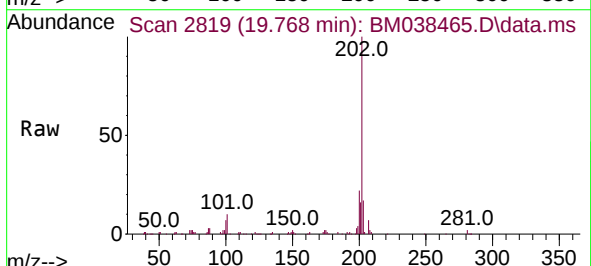
RT: 19.768 min Scan# 2819

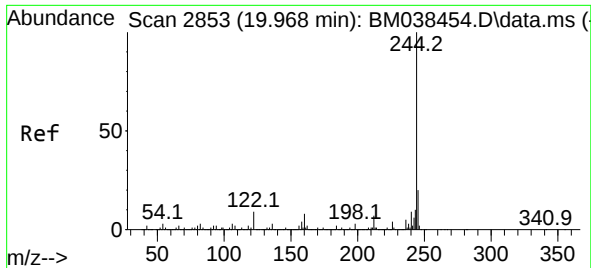
Delta R.T. -0.006 min

Lab File: BM038465.D

Acq: 17 Jan 2023 14:11

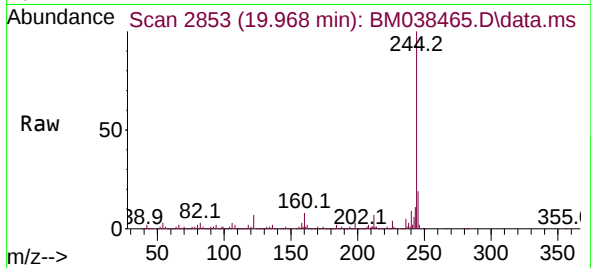
Tgt Ion:202 Resp: 116860
 Ion Ratio Lower Upper
 202 100
 200 21.7 16.9 25.3
 203 16.9 14.2 21.2





#79
 Terphenyl-d14
 Concen: 72.181 ng
 RT: 19.968 min Scan# 2853
 Delta R.T. -0.000 min
 Lab File: BM038465.D
 Acq: 17 Jan 2023 14:11

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022



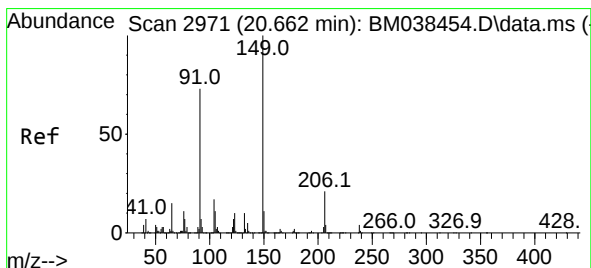
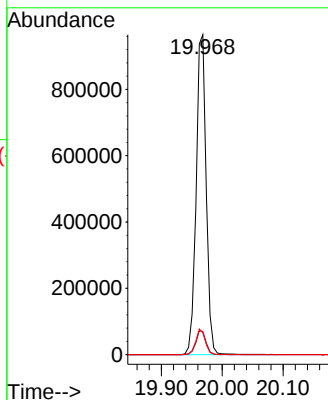
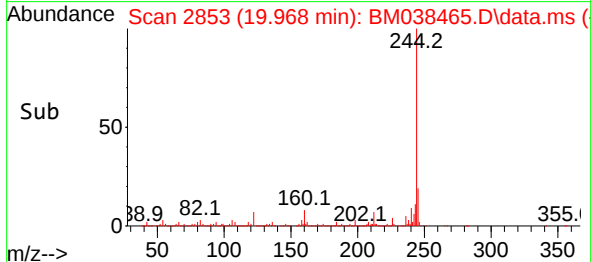
Tgt Ion:244 Resp: 1102103
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 6.8 7.1 10.7

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Reviewed By :Christian
 Giraldo

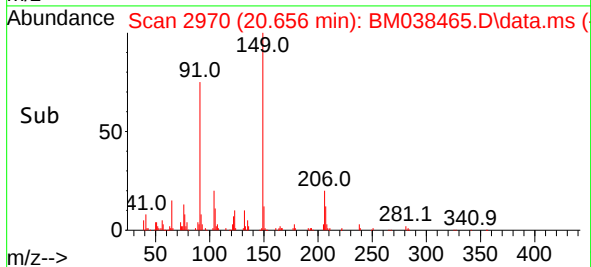
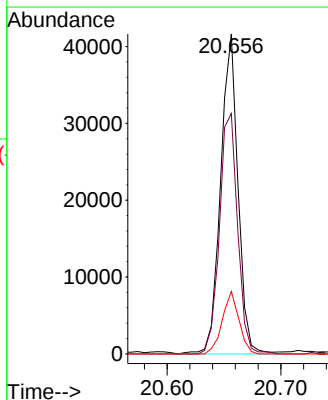
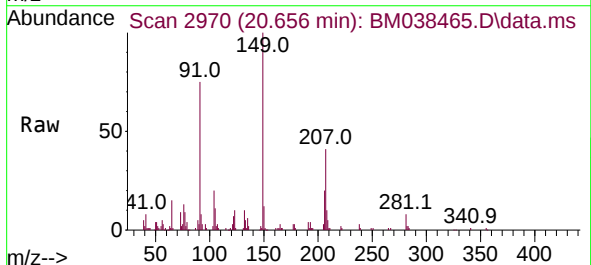
01/24/2023
 Supervised By :Jagrut
 Upadhyay

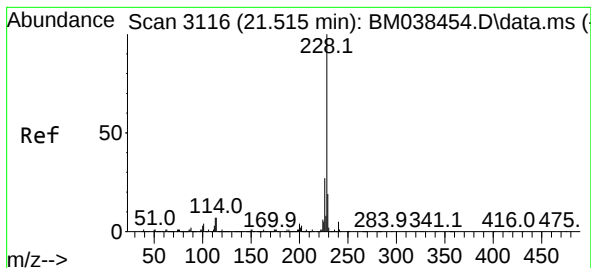
01/27/2023



#80
 Butylbenzylphthalate
 Concen: 6.357 ng
 RT: 20.656 min Scan# 2970
 Delta R.T. -0.006 min
 Lab File: BM038465.D
 Acq: 17 Jan 2023 14:11

Tgt Ion:149 Resp: 44202
 Ion Ratio Lower Upper
 149 100
 91 75.1 58.3 87.5
 206 19.5 16.7 25.1





#81

Benzo(a)anthracene

Concen: 6.447 ng

RT: 21.509 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM038465.D

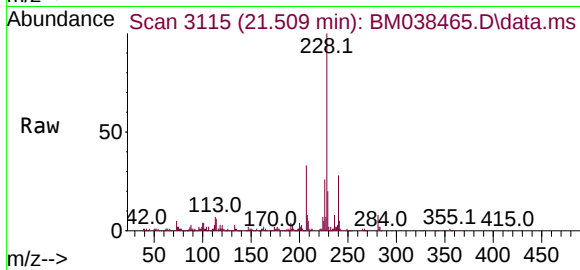
Acq: 17 Jan 2023 14:11

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:	228	Resp:	132544
Ion Ratio	100	Lower	Upper
226	25.9	22.0	33.0
229	19.6	15.4	23.0

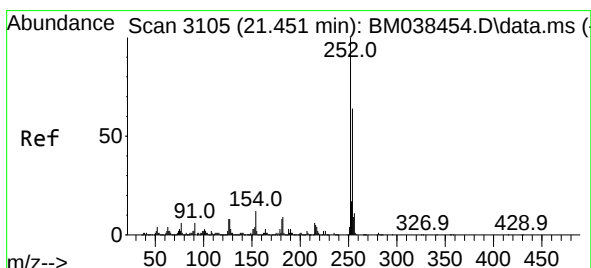
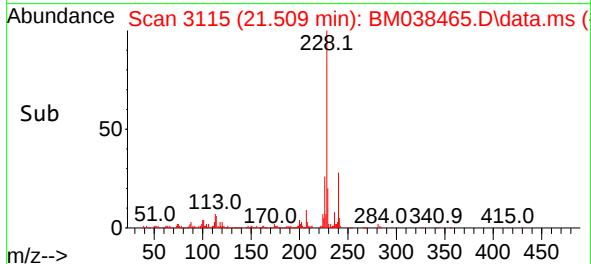
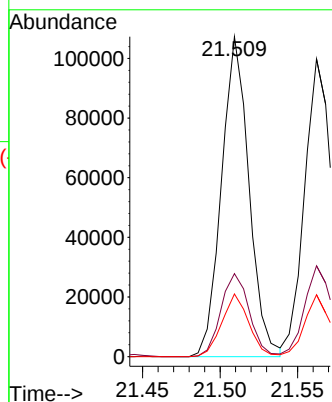
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

01/24/2023

Supervised By :Jagrut
Upadhyay

01/27/2023



#82

3,3'-Dichlorobenzidine

Concen: 7.098 ng

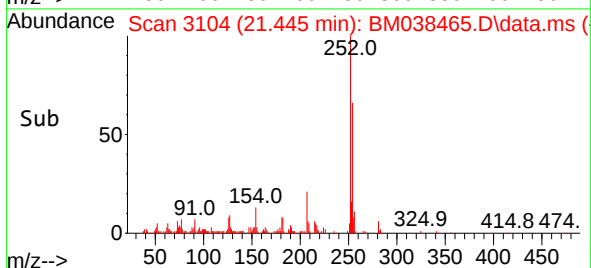
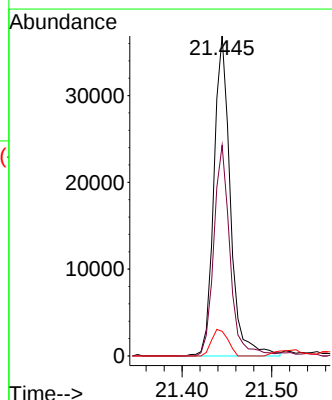
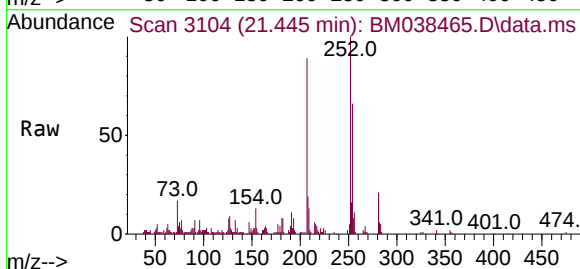
RT: 21.445 min Scan# 3104

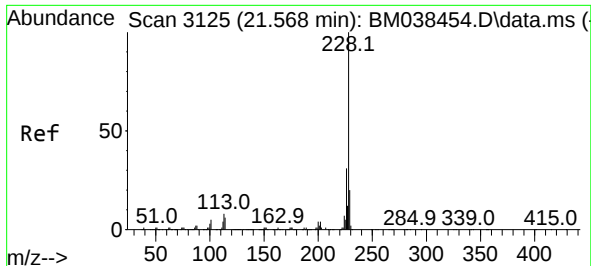
Delta R.T. -0.006 min

Lab File: BM038465.D

Acq: 17 Jan 2023 14:11

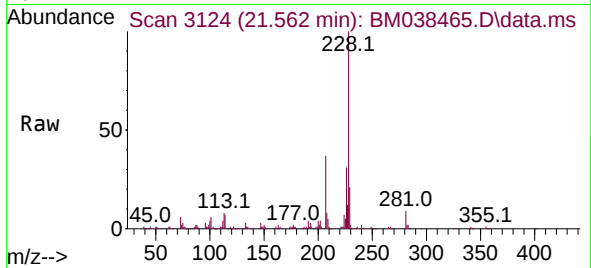
Tgt Ion:	252	Resp:	46984
Ion Ratio	100	Lower	Upper
254	65.8	51.2	76.8
126	7.7	6.3	9.5





#83
Chrysene
Concen: 6.290 ng
RT: 21.562 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



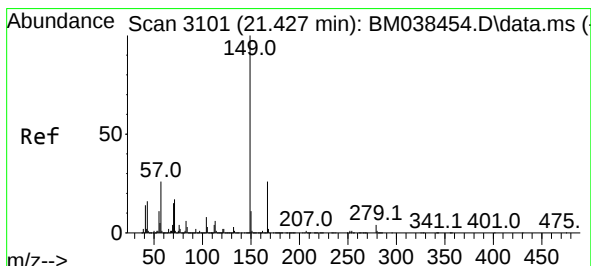
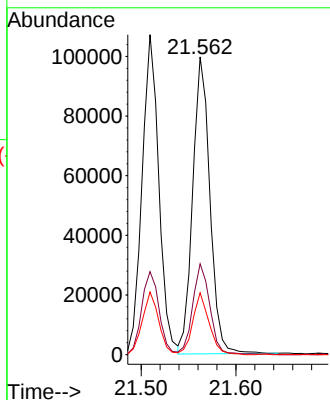
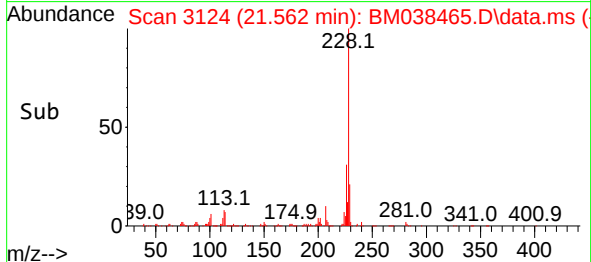
Tgt Ion:228 Resp: 125668
Ion Ratio Lower Upper
228 100
226 30.5 24.6 36.8
229 20.8 16.1 24.1

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Reviewed By :Christian
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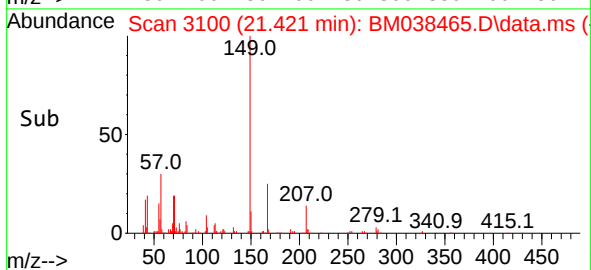
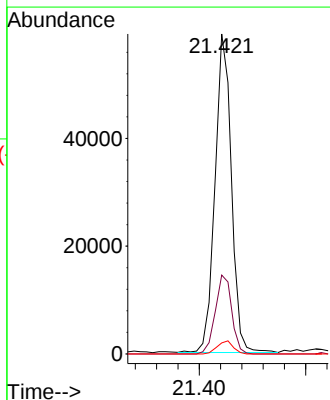
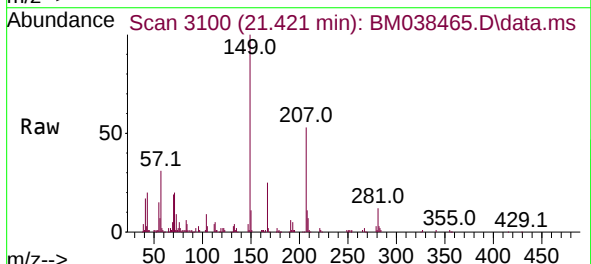
01/24/2023
Supervised By :Jagrut
Upadhyay

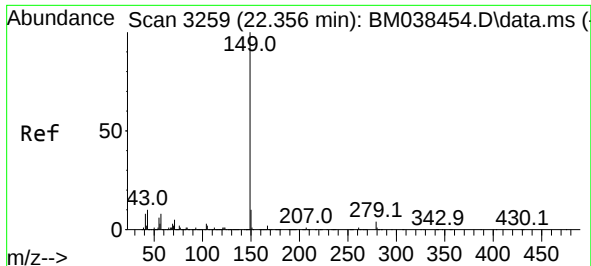
01/27/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.322 ng
RT: 21.421 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

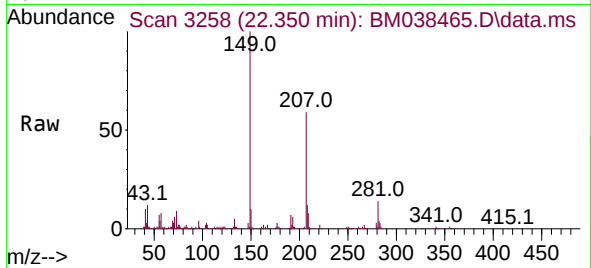
Tgt Ion:149 Resp: 63186
Ion Ratio Lower Upper
149 100
167 24.6 21.0 31.4
279 3.4 3.4 5.0





#85
Di-n-octyl phthalate
Concen: 6.473 ng
RT: 22.350 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



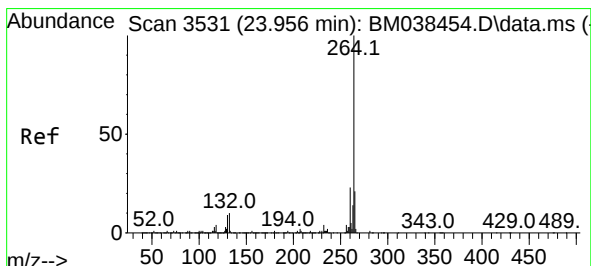
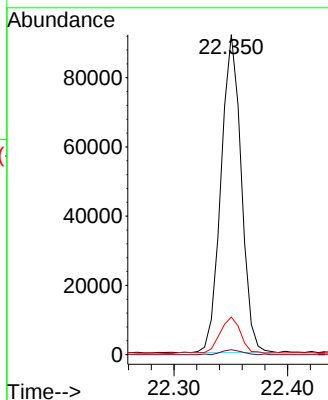
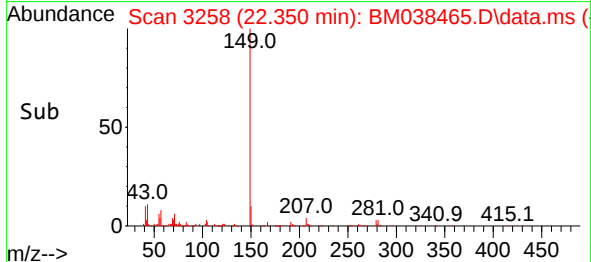
Tgt Ion:149 Resp: 113829
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 11.4 8.4 12.6

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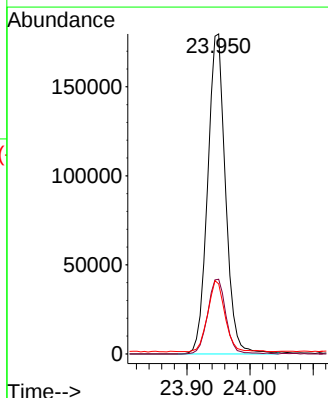
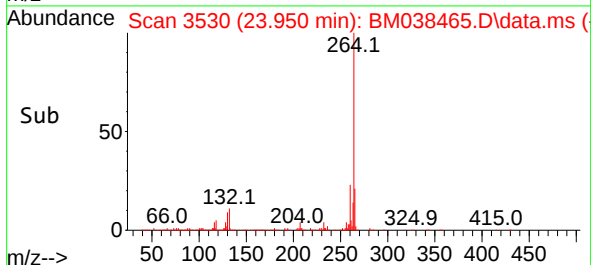
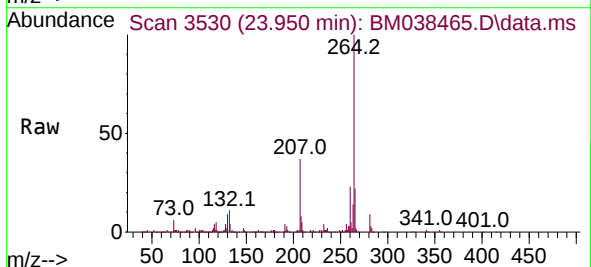
01/24/2023
Supervised By :Jagrut
Upadhyay

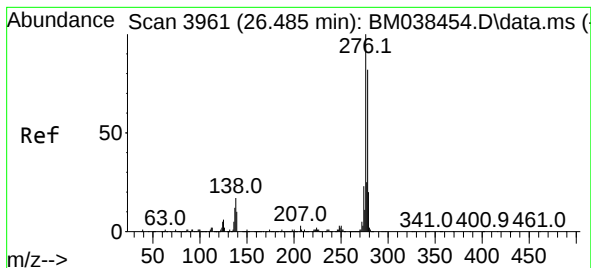
01/27/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.950 min Scan# 3530
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Tgt Ion:264 Resp: 352680
Ion Ratio Lower Upper
264 100
260 23.4 18.2 27.4
265 21.9 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.892 ng

RT: 26.468 min Scan# 3958

Delta R.T. -0.018 min

Lab File: BM038465.D

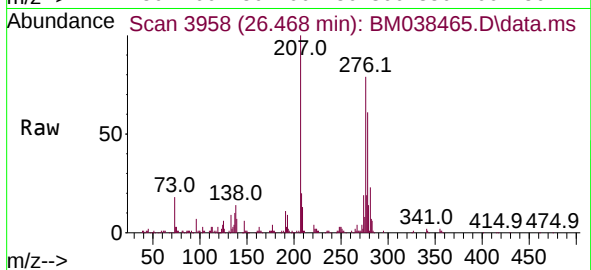
Acq: 17 Jan 2023 14:11

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:	276	Resp:	153776
Ion Ratio	Lower	Upper	
276	100		
138	18.8	13.4	20.2
277	25.5	19.8	29.8

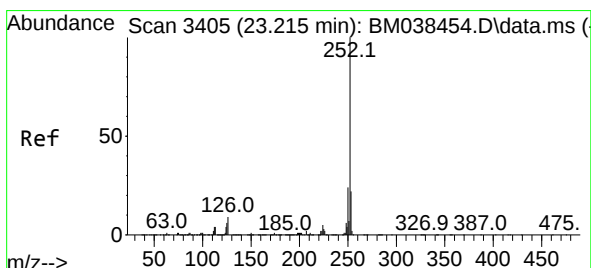
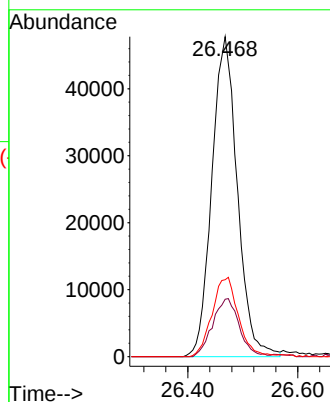
Manual Integrations
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Reviewed By :Christian
Giraldo

01/24/2023

Supervised By :Jagrut
Upadhyay

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#88

Benzo(b)fluoranthene

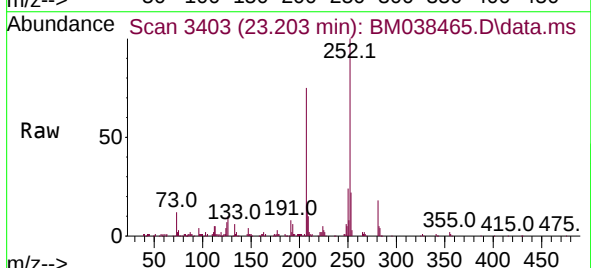
Concen: 6.505 ng

RT: 23.203 min Scan# 3403

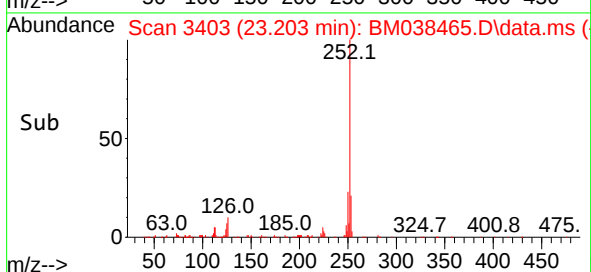
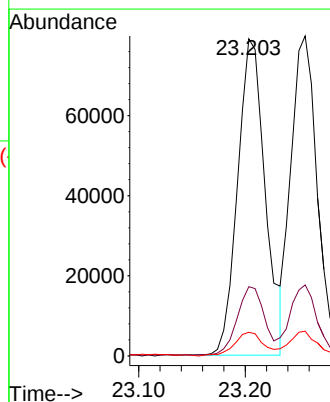
Delta R.T. -0.012 min

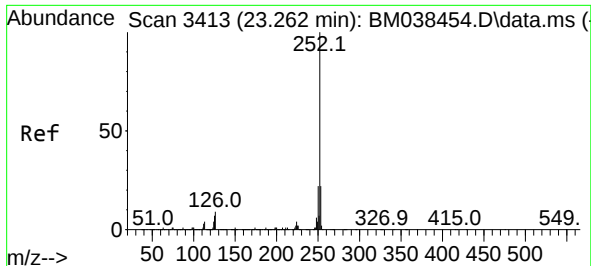
Lab File: BM038465.D

Acq: 17 Jan 2023 14:11



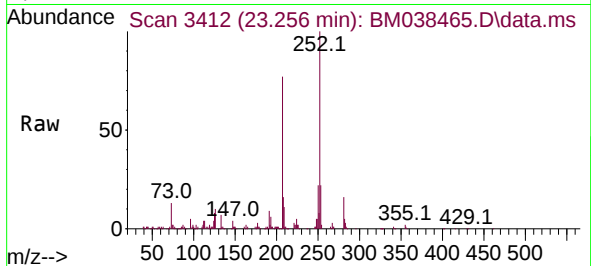
Tgt Ion:	252	Resp:	142254
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.8	26.6
125	7.4	5.1	7.7





#89
Benzo(k)fluoranthene
Concen: 6.136 ng
RT: 23.256 min Scan# 3413
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



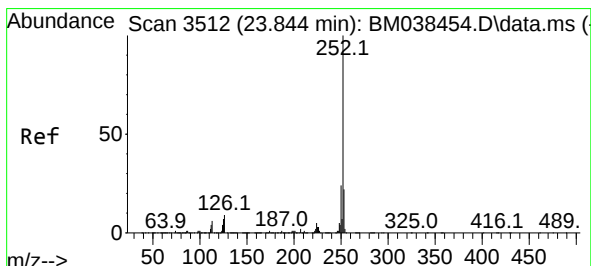
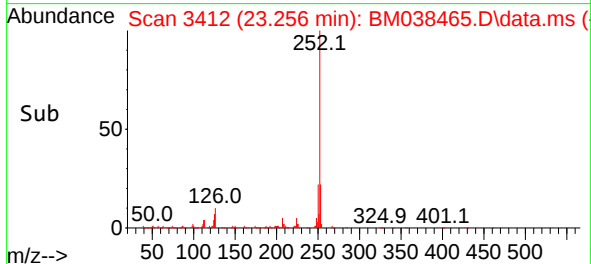
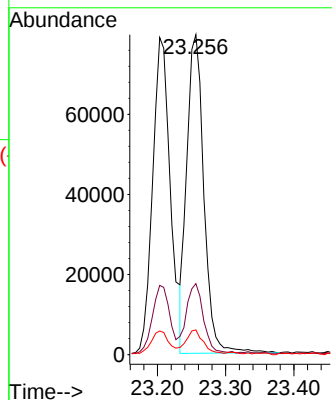
Tgt Ion:252 Resp: 138773
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 7.7 5.5 8.3

Manual Integrations
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Reviewed By :Christian
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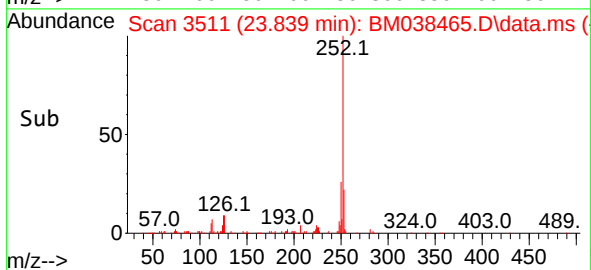
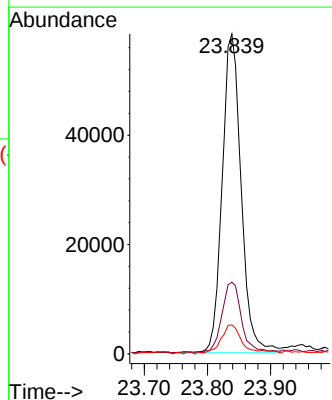
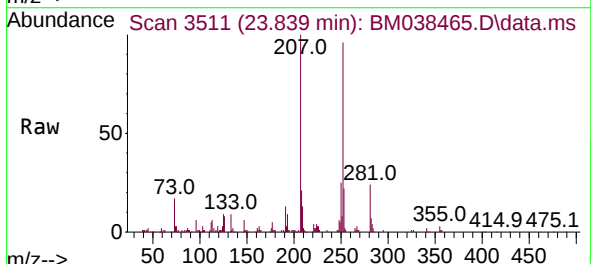
01/24/2023
Supervised By :Jagrut
Upadhyay

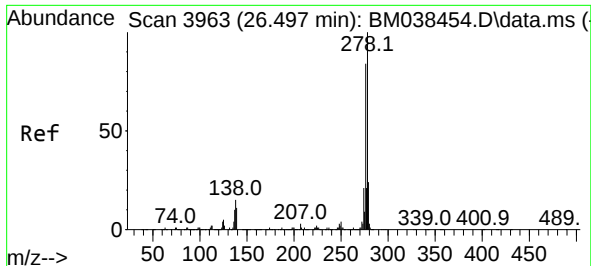
01/27/2023



#90
Benzo(a)pyrene
Concen: 5.678 ng
RT: 23.839 min Scan# 3511
Delta R.T. -0.006 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

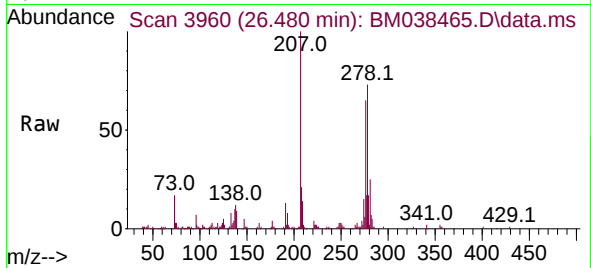
Tgt Ion:252 Resp: 121860
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 9.1 5.8 8.8





#91
Dibenzo(a,h)anthracene
Concen: 6.248 ng
RT: 26.480 min Scan# 3963
Delta R.T. -0.018 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



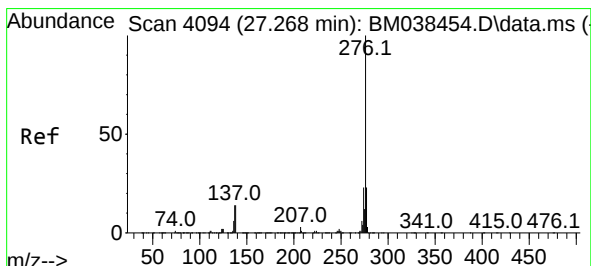
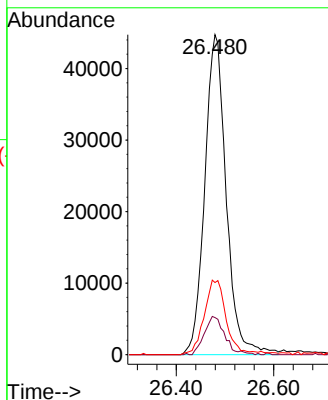
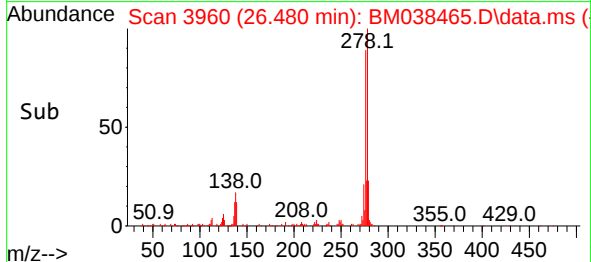
Tgt Ion:278 Resp: 136839
Ion Ratio Lower Upper
278 100
139 11.6 8.4 12.6
279 22.5 19.0 28.6

Manual Integrations
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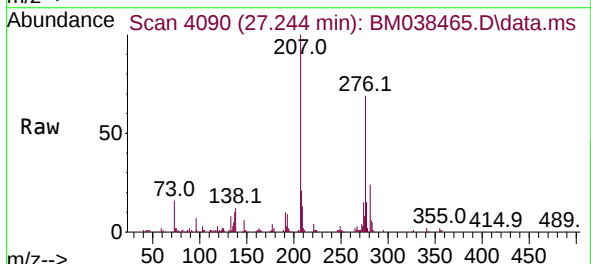
Reviewed By :Christian
Giraldo

01/24/2023
Supervised By :Jagrut
Upadhyay

01/27/2023



#92
Benzo(g,h,i)perylene
Concen: 6.482 ng
RT: 27.244 min Scan# 4090
Delta R.T. -0.024 min
Lab File: BM038465.D
Acq: 17 Jan 2023 14:11



Tgt Ion:276 Resp: 140857
Ion Ratio Lower Upper
276 100
277 22.2 18.6 27.8
138 17.2 11.3 16.9#

