

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031623\
 Data File : BM039022.D
 Acq On : 16 Mar 2023 18:51
 Operator : CG/JU
 Sample : 01627-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Quant Time: Mar 17 06:18:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 06:13:01 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/17/2023
 Supervised By : Jagrut Upadhyay 03/17/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	328049	20.000	ng	0.00
21) Naphthalene-d8	10.792	136	1359707	20.000	ng	0.00
39) Acenaphthene-d10	14.616	164	840462	20.000	ng	0.00
64) Phenanthrene-d10	17.363	188	1753814	20.000	ng	0.00
76) Chrysene-d12	21.545	240	1592007	20.000	ng	0.00
86) Perylene-d12	23.980	264	1553909	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2245760	104.008	ng	0.00
7) Phenol-d6	7.134	99	3026551	107.913	ng	0.00
23) Nitrobenzene-d5	9.145	82	2247421	81.191	ng	0.00
42) 2,4,6-Tribromophenol	16.104	330	1042809	107.254	ng	0.00
45) 2-Fluorobiphenyl	13.245	172	4723572	73.164	ng	0.00
79) Terphenyl-d14	19.986	244	6947872	79.792	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.393	88	65969	6.868	ng	98
3) Pyridine	3.810	79	161521	6.063	ng	98
4) n-Nitrosodimethylamine	3.716	42	75616	6.975	ng	# 97
6) Aniline	7.304	93	253943	6.896	ng	99
8) 2-Chlorophenol	7.534	128	158192	6.882	ng	96
9) Benzaldehyde	7.110	77	155675m	11.664	ng	
10) Phenol	7.157	94	208747	7.009	ng	95
11) bis(2-Chloroethyl)ether	7.398	93	170462	7.040	ng	97
12) 1,3-Dichlorobenzene	7.863	146	171539	7.022	ng	98
13) 1,4-Dichlorobenzene	8.010	146	174990	7.043	ng	99
14) 1,2-Dichlorobenzene	8.334	146	170007	7.104	ng	99
15) Benzyl Alcohol	8.216	79	140538	6.991	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.510	45	238924	7.813	ng	98
17) 2-Methylphenol	8.416	107	128042	6.258	ng	96
18) Hexachloroethane	9.063	117	64567	7.043	ng	97
19) n-Nitroso-di-n-propyla...	8.787	70	135113	7.648	ng	97
20) 3+4-Methylphenols	8.745	107	174330	6.381	ng	99
22) Acetophenone	8.804	105	267893	7.022	ng	# 98
24) Nitrobenzene	9.187	77	208319	7.160	ng	99
25) Isophorone	9.710	82	358781	7.043	ng	97
26) 2-Nitrophenol	9.898	139	68201	5.932	ng	95
27) 2,4-Dimethylphenol	9.957	122	147740	6.656	ng	99
28) bis(2-Chloroethoxy)met...	10.198	93	231255	7.066	ng	100
29) 2,4-Dichlorophenol	10.434	162	128502	6.107	ng	100
30) 1,2,4-Trichlorobenzene	10.651	180	146967	6.391	ng	99
31) Naphthalene	10.839	128	517619	6.676	ng	100
32) Benzoic acid	10.022	122	57319	3.899	ng	99
33) 4-Chloroaniline	10.951	127	209089	6.328	ng	96
34) Hexachlorobutadiene	11.128	225	82347	6.245	ng	95
35) Caprolactam	11.716	113	42944	6.705	ng	94
36) 4-Chloro-3-methylphenol	12.063	107	149291	6.663	ng	96
37) 2-Methylnaphthalene	12.445	142	341809	6.577	ng	98
38) 1-Methylnaphthalene	12.663	142	318921	6.549	ng	100
40) 1,2,4,5-Tetrachloroben...	12.810	216	161615	5.915	ng	99
41) Hexachlorocyclopentadiene	12.792	237	93397	6.227	ng	97
43) 2,4,6-Trichlorophenol	13.051	196	97015	5.483	ng	97

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Manual Integrations
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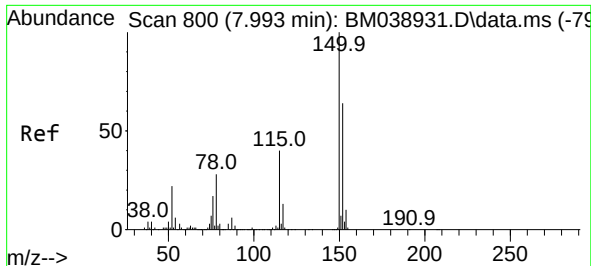
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	109041	5.265	ng	97
46) 1,1'-Biphenyl	13.451	154	475697	6.681	ng	99
47) 2-Chloronaphthalene	13.492	162	345543	6.436	ng	98
48) 2-Nitroaniline	13.698	65	92310	5.987	ng	96
49) Acenaphthylene	14.339	152	530695	6.205	ng	100
50) Dimethylphthalate	14.075	163	429608	6.643	ng	99
51) 2,6-Dinitrotoluene	14.192	165	82049	6.239	ng	91
52) Acenaphthene	14.680	154	339238	6.454	ng	99
53) 3-Nitroaniline	14.516	138	89500	5.871	ng	# 94
54) 2,4-Dinitrophenol	14.722	184	32547	4.593	ng	96
55) Dibenzofuran	15.016	168	534742	6.502	ng	99
56) 4-Nitrophenol	14.816	139	74931	5.834	ng	96
57) 2,4-Dinitrotoluene	14.974	165	100014	5.939	ng	91
58) Fluorene	15.663	166	425089	6.598	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.239	232	98086	6.141	ng	96
60) Diethylphthalate	15.433	149	425746	6.766	ng	99
61) 4-Chlorophenyl-phenylether	15.657	204	200822	6.345	ng	96
62) 4-Nitroaniline	15.674	138	88670	5.829	ng	95
63) Azobenzene	15.951	77	446553	6.707	ng	99
65) 4,6-Dinitro-2-methylph...	15.733	198	46636	4.442	ng	91
66) n-Nitrosodiphenylamine	15.869	169	354095	5.989	ng	100
67) 4-Bromophenyl-phenylether	16.551	248	114418	6.040	ng	95
68) Hexachlorobenzene	16.663	284	134339	6.344	ng	94
69) Atrazine	16.821	200	112385	6.959	ng	99
70) Pentachlorophenol	17.004	266	72874	4.679	ng	96
71) Phenanthrene	17.404	178	667752	6.487	ng	99
72) Anthracene	17.492	178	636582	6.201	ng	99
73) Carbazole	17.763	167	605841	6.467	ng	99
74) Di-n-butylphthalate	18.333	149	661320	6.355	ng	99
75) Fluoranthene	19.415	202	690002	6.349	ng	98
77) Benzidine	19.598	184	342410	10.320	ng	99
78) Pyrene	19.780	202	745752	6.237	ng	99
80) Butylbenzylphthalate	20.674	149	272895	6.145	ng	93
81) Benzo(a)anthracene	21.527	228	722936	6.306	ng	99
82) 3,3'-Dichlorobenzidine	21.456	252	242883	6.893	ng	98
83) Chrysene	21.580	228	707846	6.348	ng	99
84) Bis(2-ethylhexyl)phtha...	21.456	149	402551	6.177	ng	98
85) Di-n-octyl phthalate	22.392	149	617833	5.489	ng	96
87) Indeno(1,2,3-cd)pyrene	26.509	276	653523	5.527	ng	98
88) Benzo(b)fluoranthene	23.233	252	651086	6.558	ng	98
89) Benzo(k)fluoranthene	23.286	252	676001	6.543	ng	99
90) Benzo(a)pyrene	23.868	252	535654	5.606	ng	98
91) Dibenzo(a,h)anthracene	26.538	278	552953	5.522	ng	99
92) Benzo(g,h,i)perylene	27.297	276	520186	5.310	ng	99

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

Manual Integrations
APPROVED

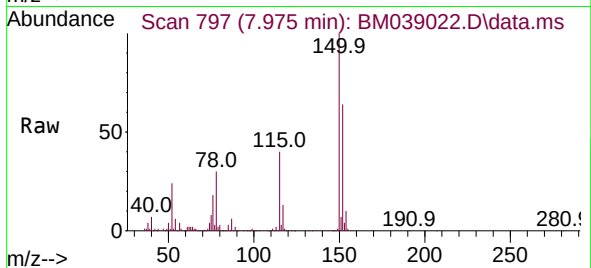
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

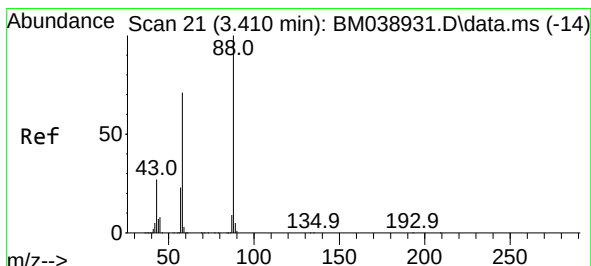
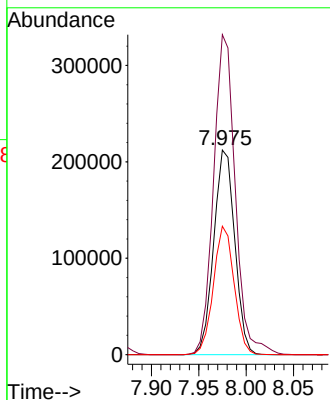
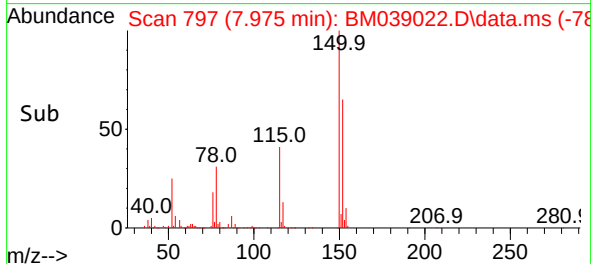
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:152 Resp: 328049
Ion Ratio Lower Upper
152 100
150 156.5 125.1 187.7
115 62.8 49.6 74.4

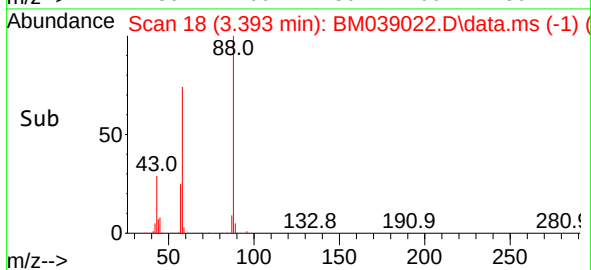
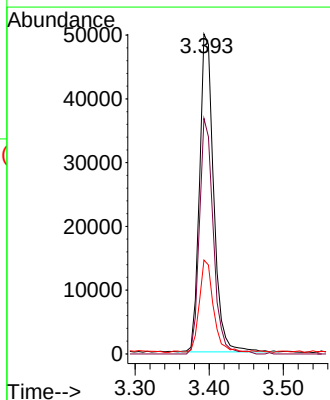
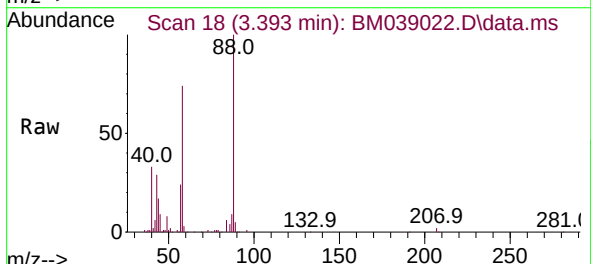
Manual Integrations
APPROVED

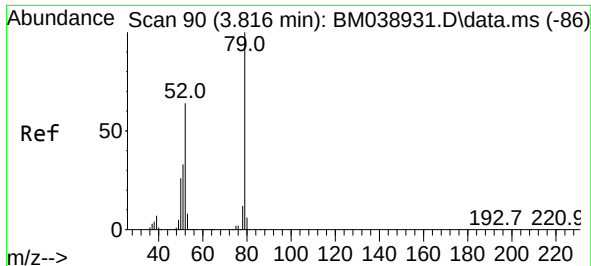
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#2
1,4-Dioxane
Concen: 6.868 ng
RT: 3.393 min Scan# 18
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

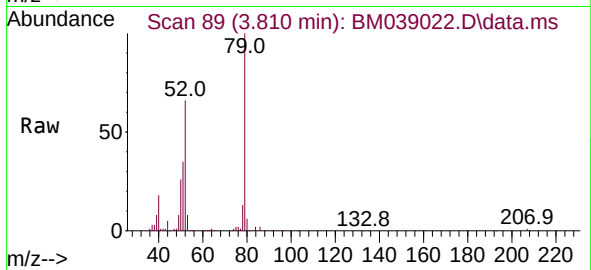
Tgt Ion: 88 Resp: 65969
Ion Ratio Lower Upper
88 100
58 72.8 57.2 85.8
43 28.5 22.0 33.0





#3
Pyridine
Concen: 6.063 ng
RT: 3.810 min Scan# 89
Delta R.T. 0.006 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

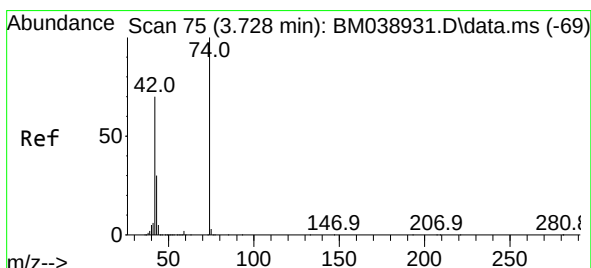
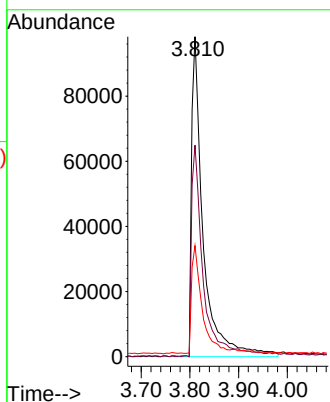
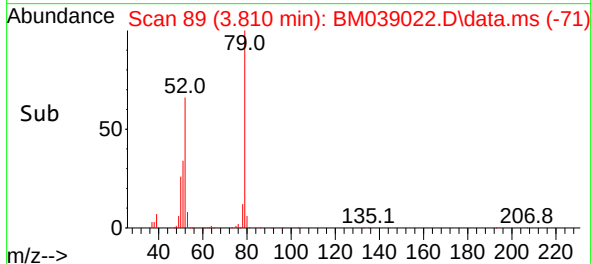
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LOD-MDL-SOIL-01-QT1-2023



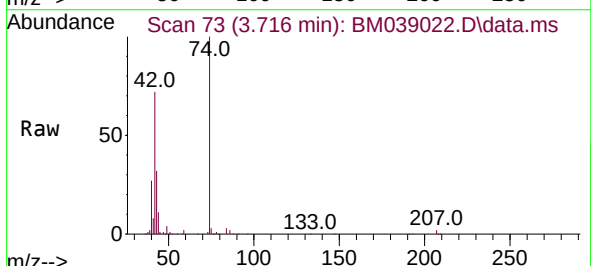
Tgt Ion: 79 Resp: 16152
Ion Ratio Lower Upper
79 100
52 66.1 51.4 77.2
51 34.7 26.6 40.0

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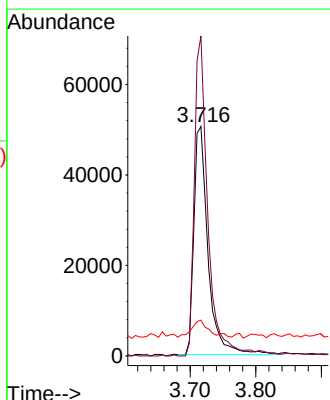
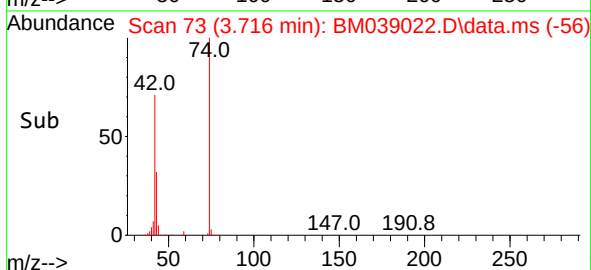
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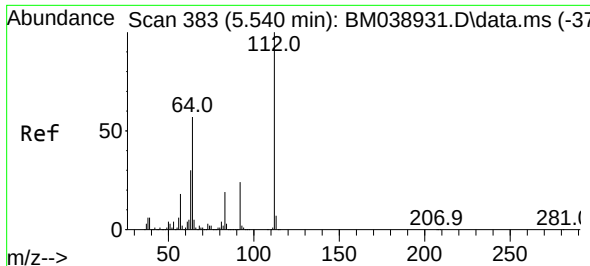


#4
n-Nitrosodimethylamine
Concen: 6.975 ng
RT: 3.716 min Scan# 73
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51



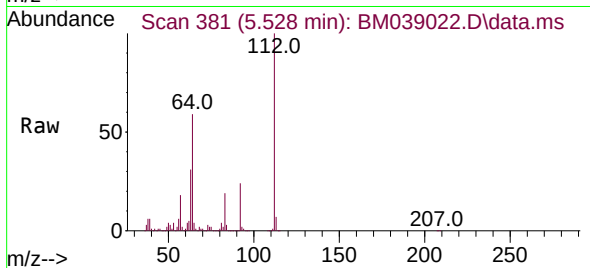
Tgt Ion: 42 Resp: 75616
Ion Ratio Lower Upper
42 100
74 139.5 113.8 170.8
44 15.6 6.2 9.2





#5
2-Fluorophenol
Concen: 104.008 ng
RT: 5.528 min Scan# 381
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

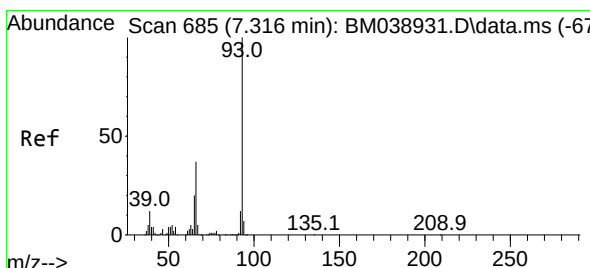
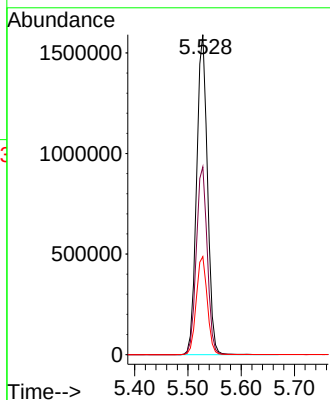
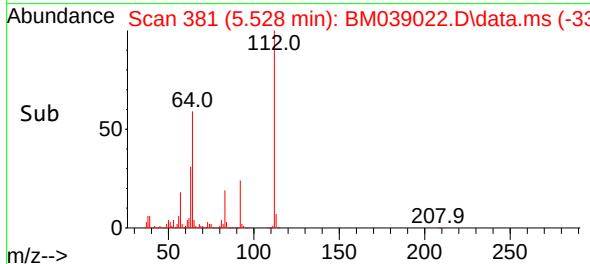
Instrument :
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LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 112 Resp: 2245760
Ion Ratio Lower Upper
112 100
64 58.7 45.9 68.9
63 30.6 23.8 35.8

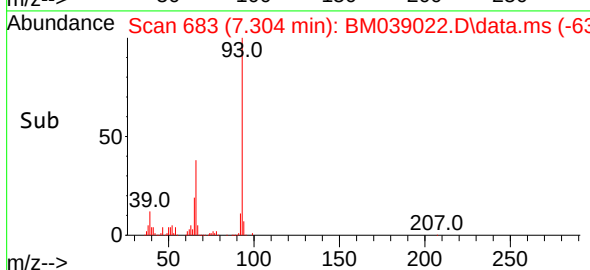
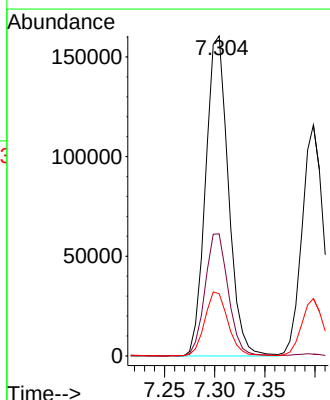
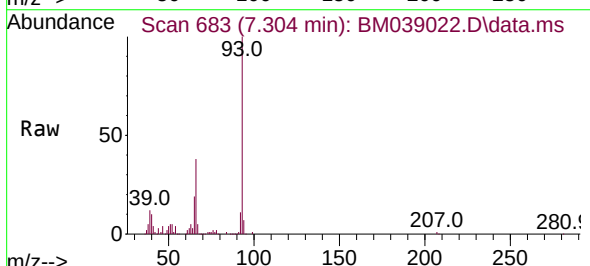
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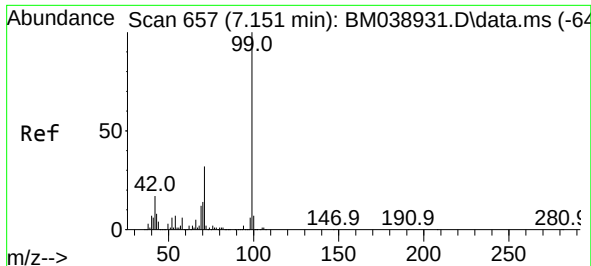
Reviewed By :Christian Giraldo 03/17/2023
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#6
Aniline
Concen: 6.896 ng
RT: 7.304 min Scan# 683
Delta R.T. 0.006 min
Lab File: BM039022.D
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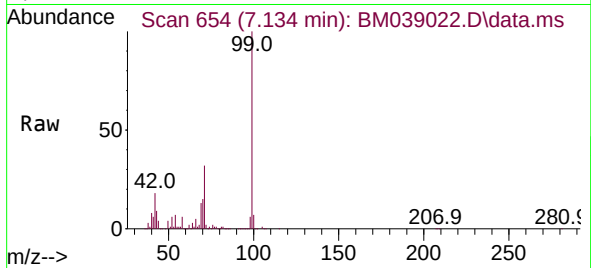
Tgt Ion: 93 Resp: 253943
Ion Ratio Lower Upper
93 100
66 38.1 30.0 45.0
65 19.4 15.8 23.6





#7
Phenol-d6
Concen: 107.913 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

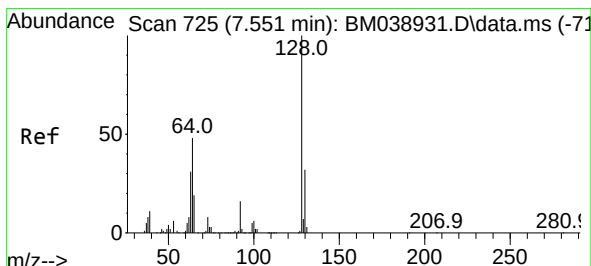
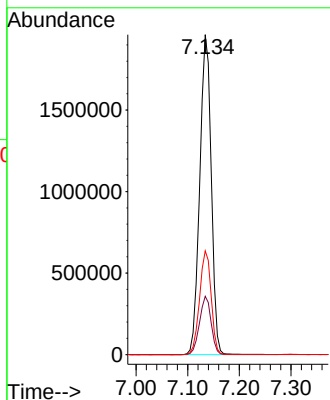
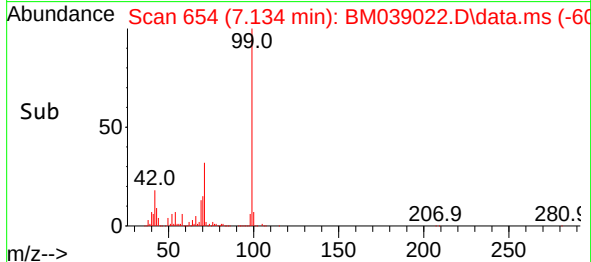
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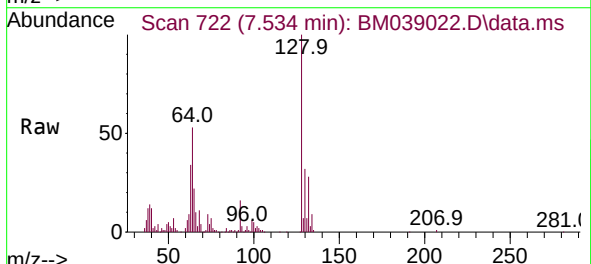
Tgt Ion: 99 Resp: 302655
Ion Ratio Lower Upper
99 100
42 18.2 13.5 20.3
71 32.4 25.6 38.4

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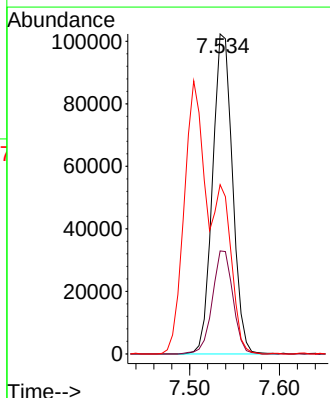
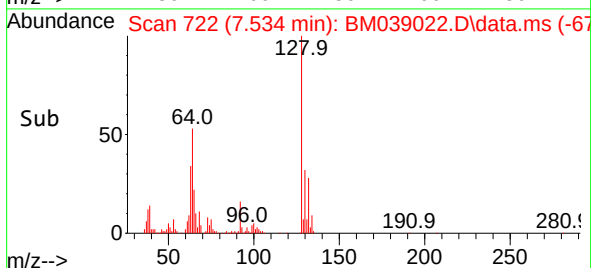
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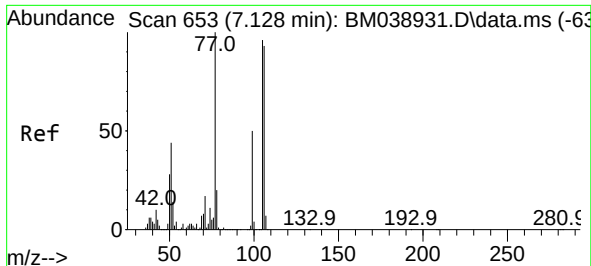


#8
2-Chlorophenol
Concen: 6.882 ng
RT: 7.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51



Tgt Ion:128 Resp: 158192
Ion Ratio Lower Upper
128 100
130 32.2 11.9 51.9
64 52.9 28.6 68.6





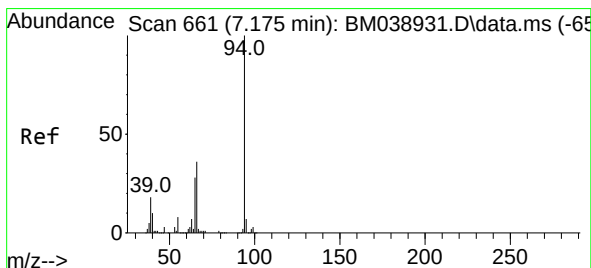
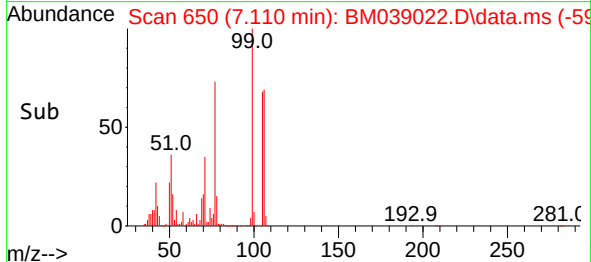
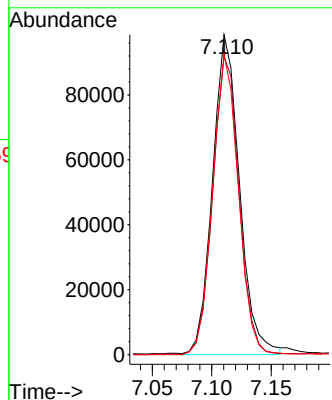
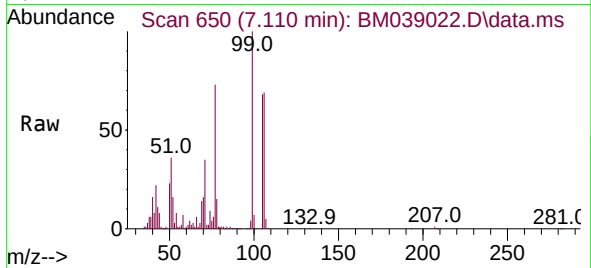
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Benzaldehyde
Concen: 11.664 ng m
RT: 7.110 min Scan# 61
Delta R.T. 0.000 min
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Instrument :
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ClientSampleId :
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Tgt Ion: 77 Resp: 155675
Ion Ratio Lower Upper
77 100
105 93.2 75.8 115.8
106 93.9 72.6 112.6

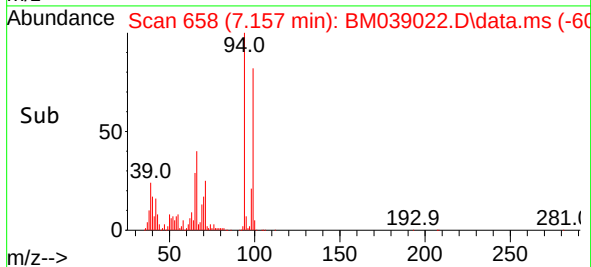
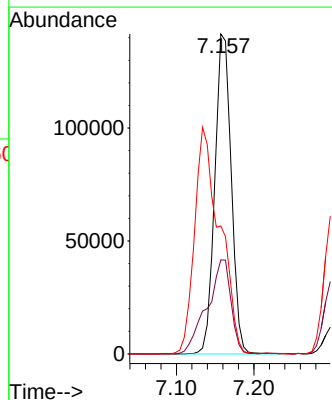
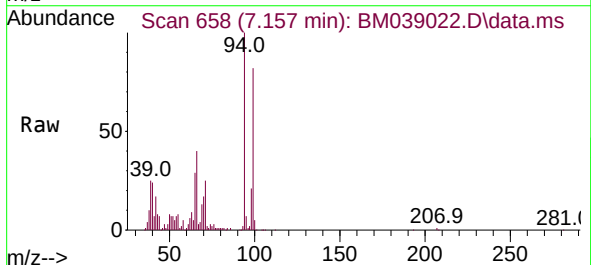
Manual Integrations
APPROVED

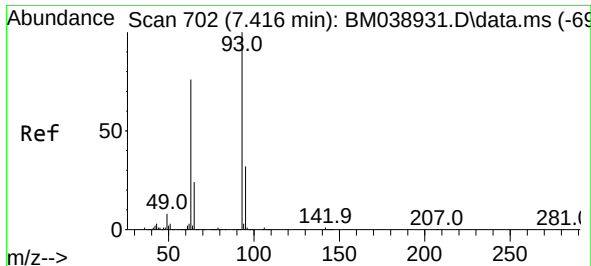
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#10
Phenol
Concen: 7.009 ng
RT: 7.157 min Scan# 658
Delta R.T. -0.006 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

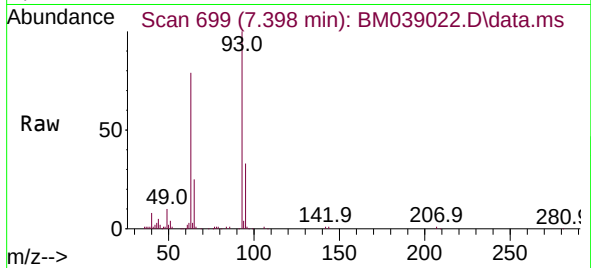
Tgt Ion: 94 Resp: 208747
Ion Ratio Lower Upper
94 100
65 29.4 7.9 47.9
66 40.0 15.8 55.8





#11
bis(2-Chloroethyl)ether
Concen: 7.040 ng
RT: 7.398 min Scan# 699
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

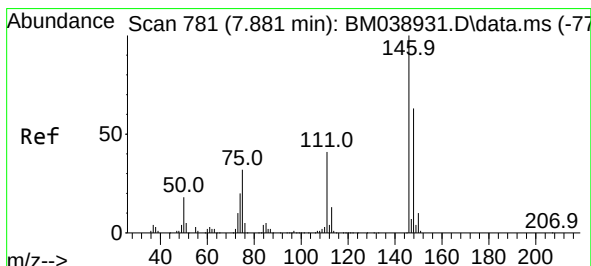
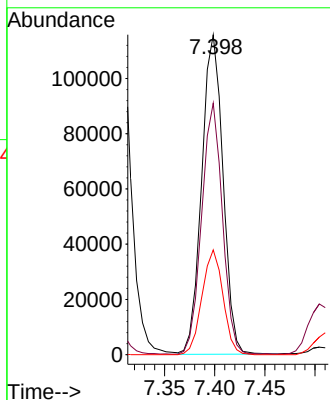
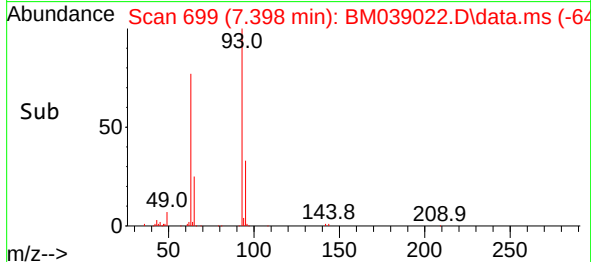
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 93 Resp: 170462
Ion Ratio Lower Upper
93 100
63 78.6 55.8 95.8
95 32.7 12.2 52.2

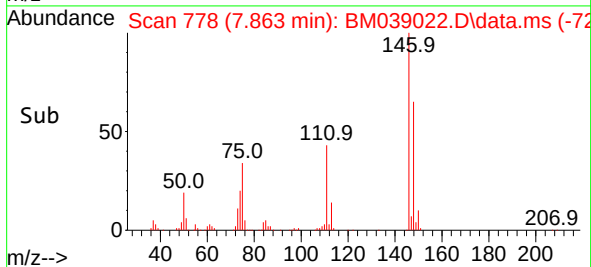
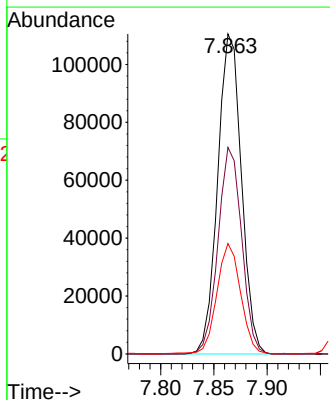
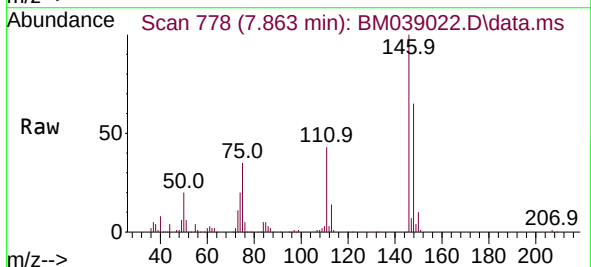
Manual Integrations
APPROVED

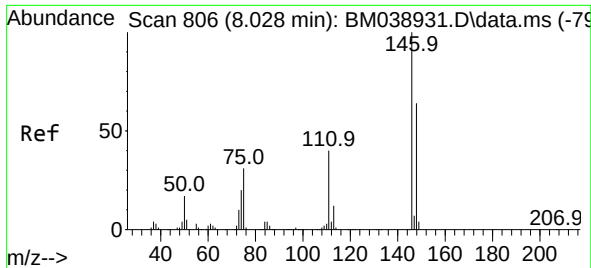
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#12
1,3-Dichlorobenzene
Concen: 7.022 ng
RT: 7.863 min Scan# 778
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

Tgt Ion:146 Resp: 171539
Ion Ratio Lower Upper
146 100
148 64.5 50.6 75.8
75 34.5 26.0 39.0





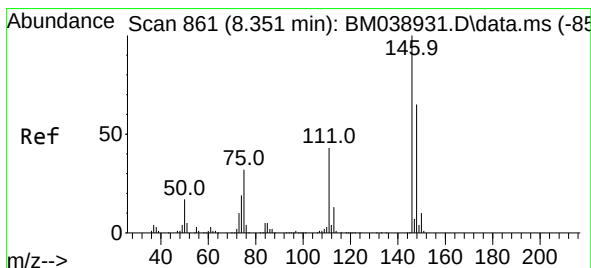
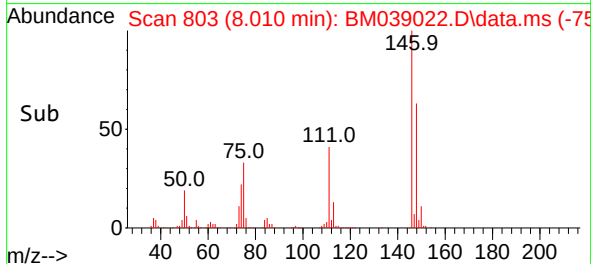
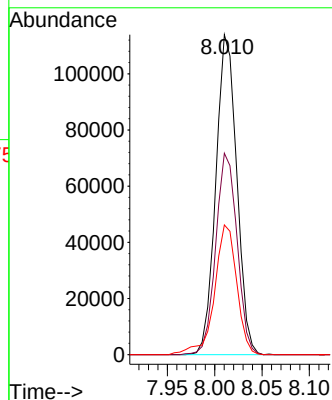
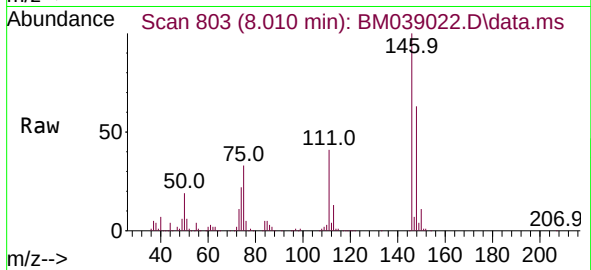
#13
1,4-Dichlorobenzene
Concen: 7.043 ng
RT: 8.010 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:146 Resp: 174990
Ion Ratio Lower Upper
146 100
148 62.9 51.0 76.4
111 40.5 32.2 48.4

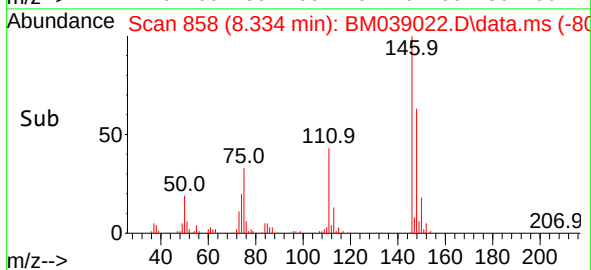
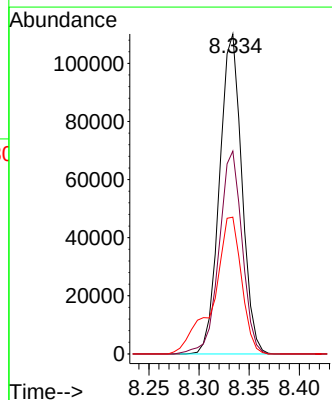
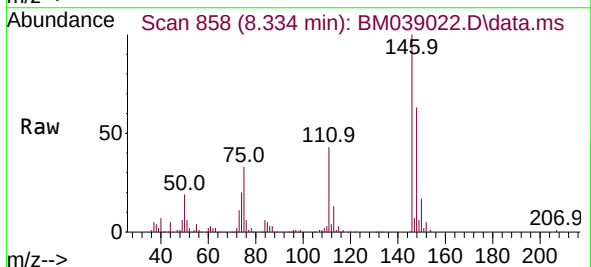
Manual Integrations
APPROVED

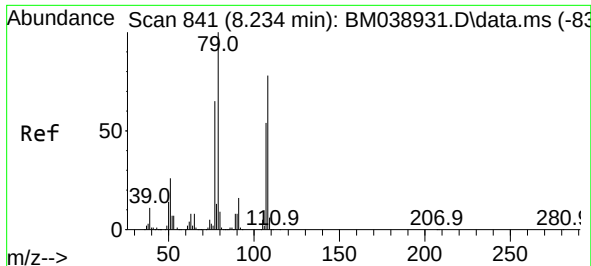
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#14
1,2-Dichlorobenzene
Concen: 7.104 ng
RT: 8.334 min Scan# 858
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

Tgt Ion:146 Resp: 170007
Ion Ratio Lower Upper
146 100
148 63.4 51.7 77.5
111 42.7 34.2 51.4





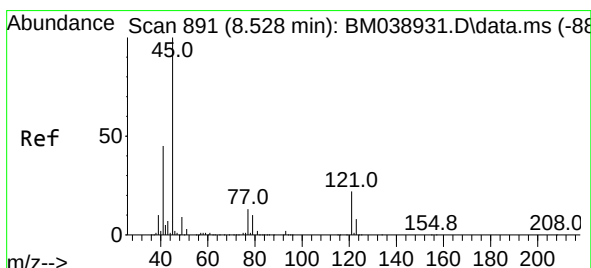
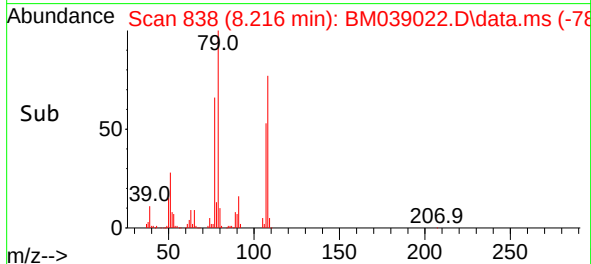
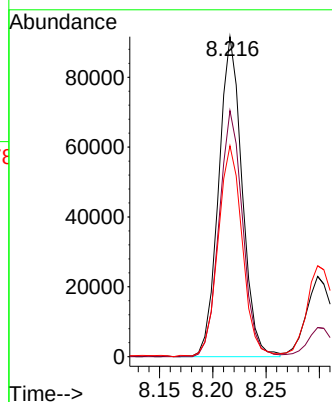
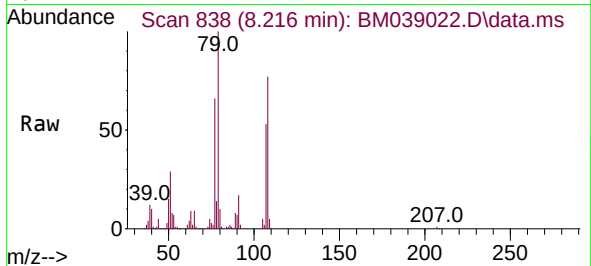
#15
Benzyl Alcohol
Concen: 6.991 ng
RT: 8.216 min Scan# 841
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 79 Resp: 140538
Ion Ratio Lower Upper
79 100
108 76.9 62.4 93.6
77 65.9 52.2 78.4

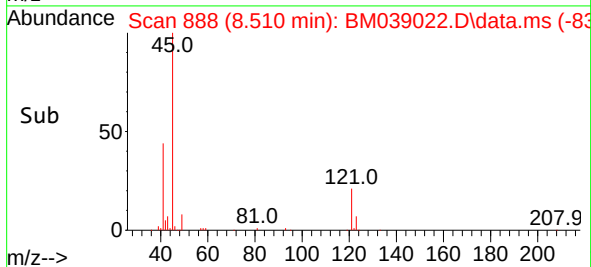
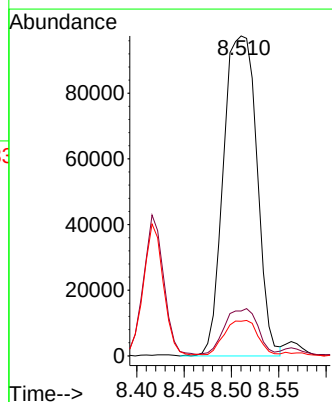
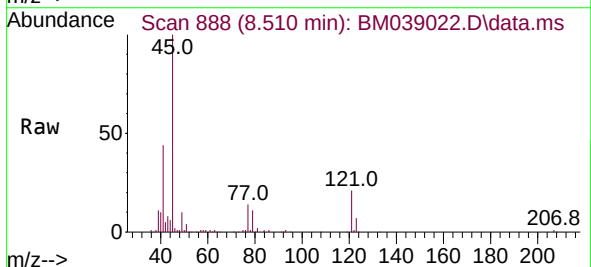
Manual Integrations
APPROVED

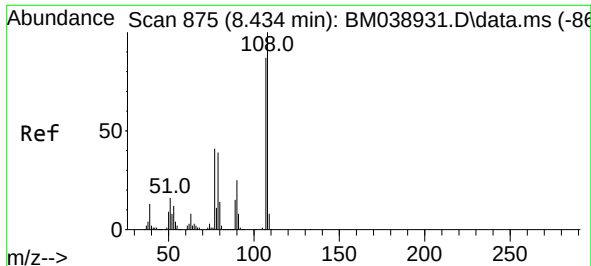
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.813 ng
RT: 8.510 min Scan# 888
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

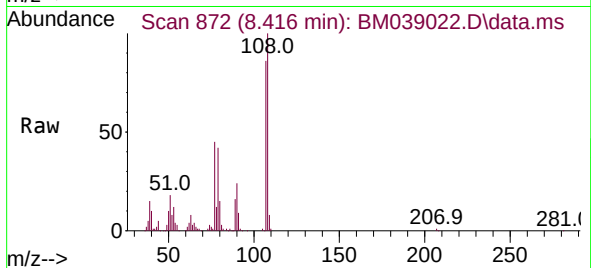
Tgt Ion: 45 Resp: 238924
Ion Ratio Lower Upper
45 100
77 14.0 0.0 34.8
79 10.8 0.0 31.5





#17
2-Methylphenol
Concen: 6.258 ng
RT: 8.416 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

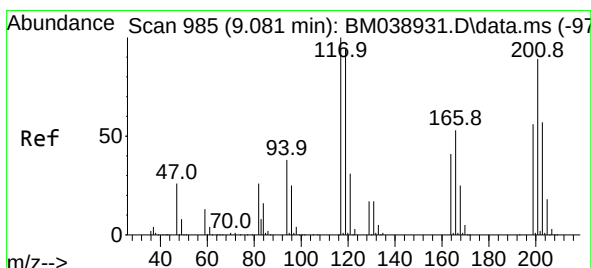
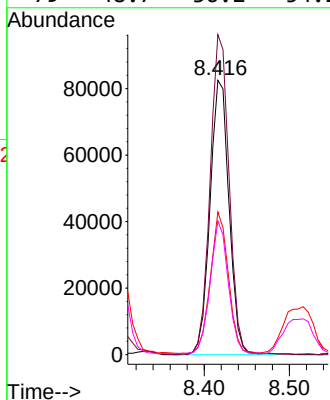
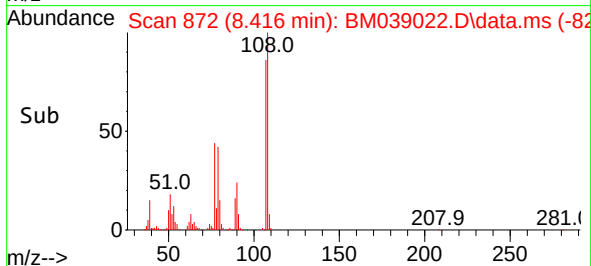
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:107 Resp: 128042
Ion Ratio Lower Upper
107 100
108 116.6 91.7 137.5
77 52.0 37.4 56.2
79 48.7 36.2 54.2

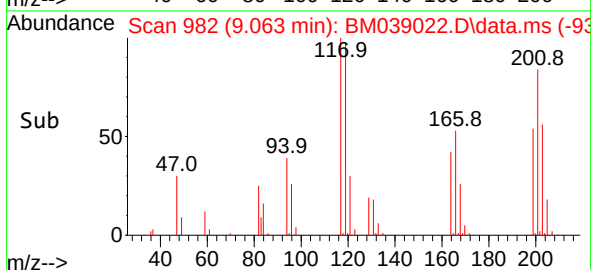
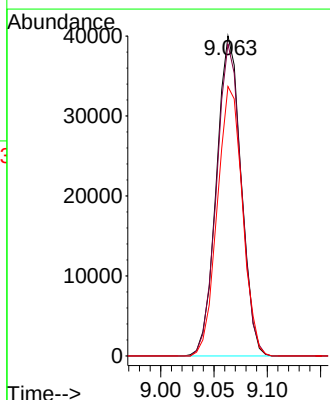
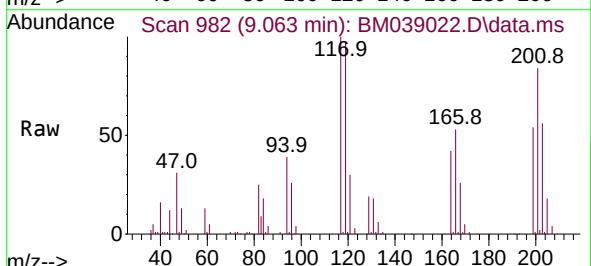
Manual Integrations
APPROVED

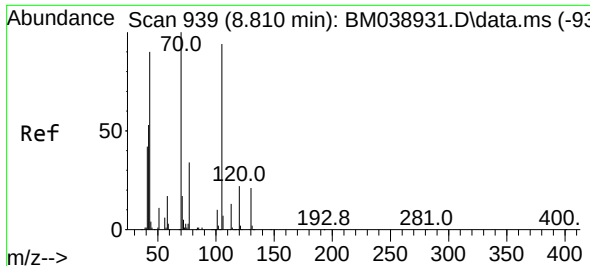
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#18
Hexachloroethane
Concen: 7.043 ng
RT: 9.063 min Scan# 982
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

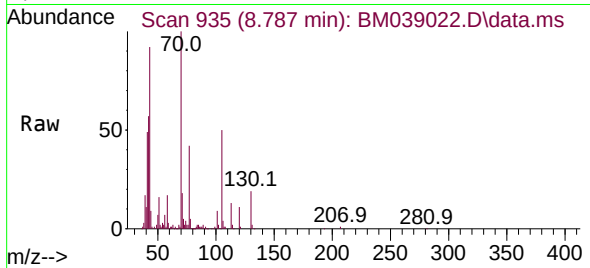
Tgt Ion:117 Resp: 64567
Ion Ratio Lower Upper
117 100
119 97.4 75.4 113.0
201 86.1 71.3 106.9





#19
n-Nitroso-di-n-propylamine
Concen: 7.648 ng
RT: 8.787 min Scan# 935
Delta R.T. -0.006 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

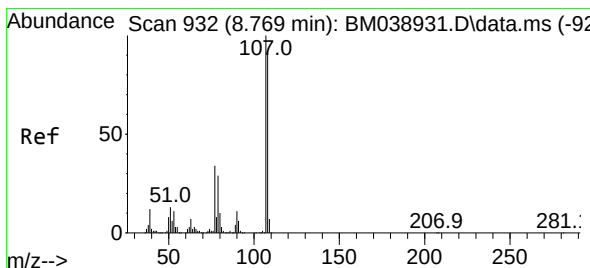
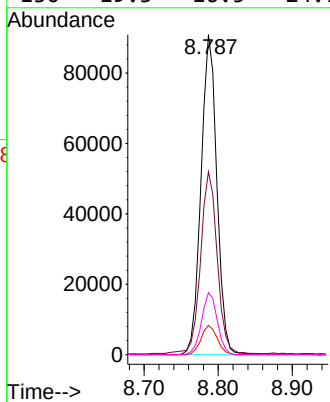
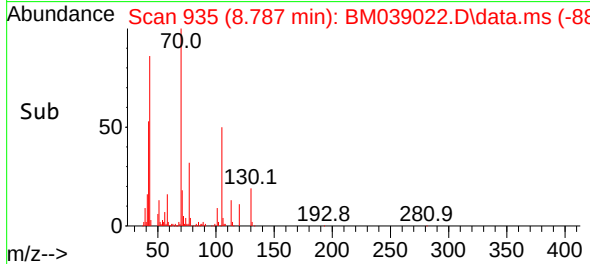
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



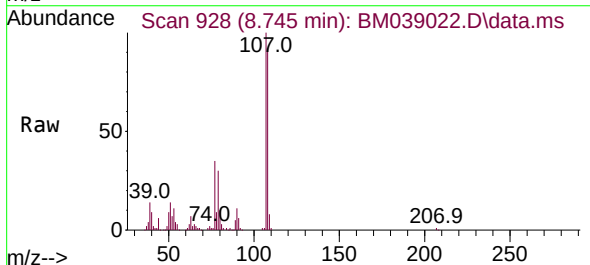
Tgt Ion: 70 Resp: 135113
Ion Ratio Lower Upper
70 100
42 57.2 43.4 65.2
101 9.1 7.6 11.4
130 19.3 16.5 24.7

Manual Integrations
APPROVED

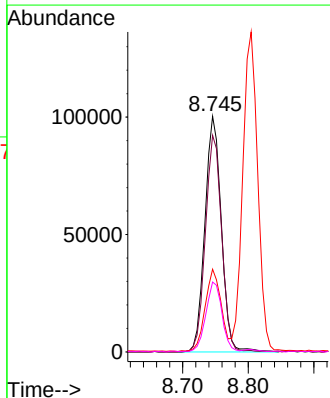
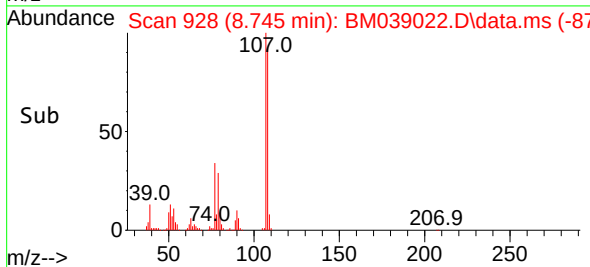
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

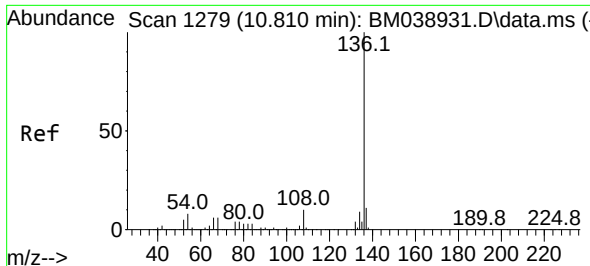


#20
3+4-Methylphenols
Concen: 6.381 ng
RT: 8.745 min Scan# 928
Delta R.T. -0.006 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51



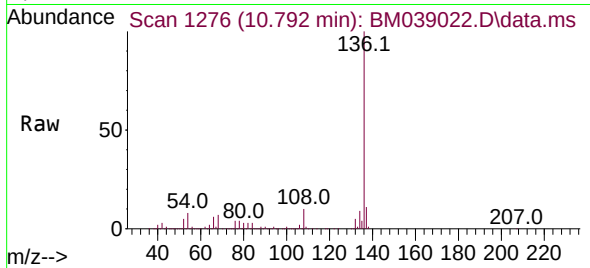
Tgt Ion: 107 Resp: 174330
Ion Ratio Lower Upper
107 100
108 91.9 71.8 111.8
77 35.0 13.6 53.6
79 29.6 9.2 49.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

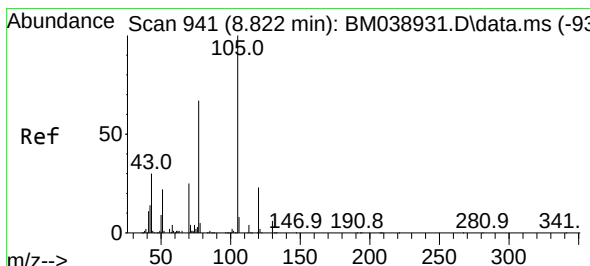
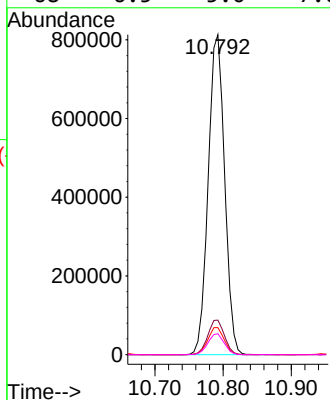
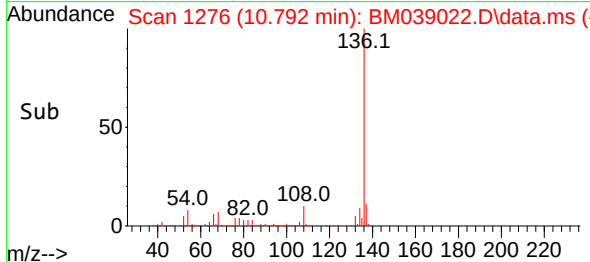
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:136 Resp: 135970
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.4 6.3 9.5
68 6.5 5.0 7.6

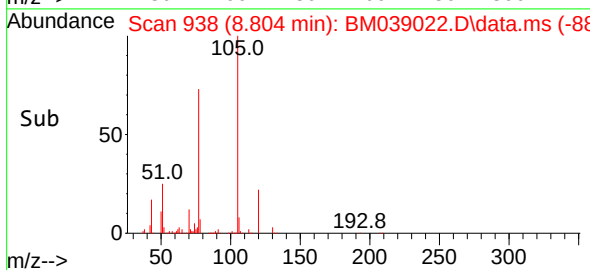
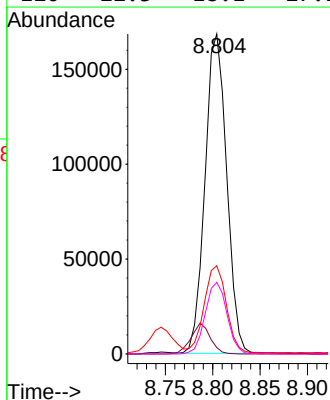
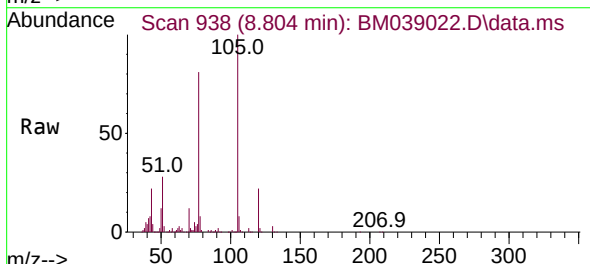
Manual Integrations
APPROVED

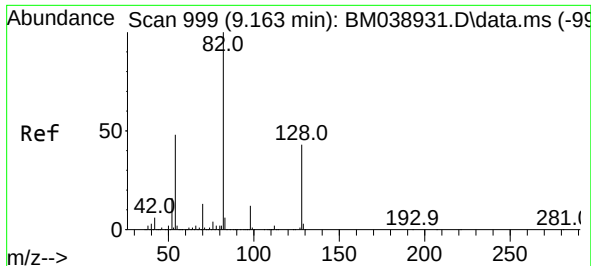
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#22
Acetophenone
Concen: 7.022 ng
RT: 8.804 min Scan# 938
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

Tgt Ion:105 Resp: 267893
Ion Ratio Lower Upper
105 100
71 2.0 3.4 5.0#
51 27.5 21.0 31.4
120 22.3 18.1 27.1





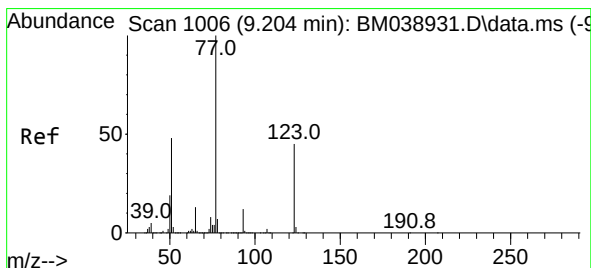
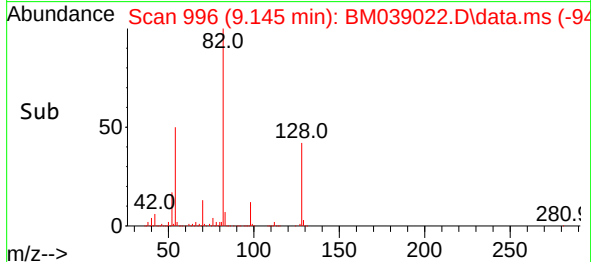
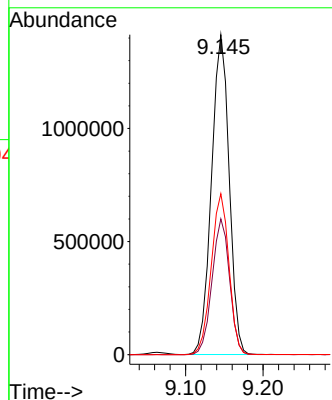
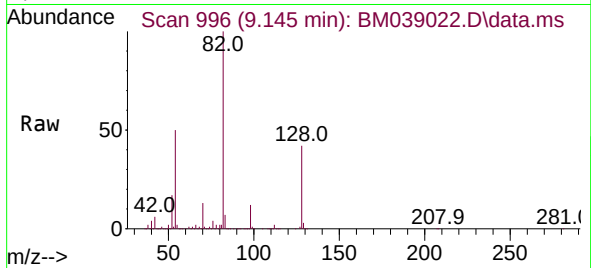
#23
Nitrobenzene-d5
Concen: 81.191 ng
RT: 9.145 min Scan# 999
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 82 Resp: 2247421
Ion Ratio Lower Upper
82 100
128 42.4 34.4 51.6
54 50.3 38.8 58.2

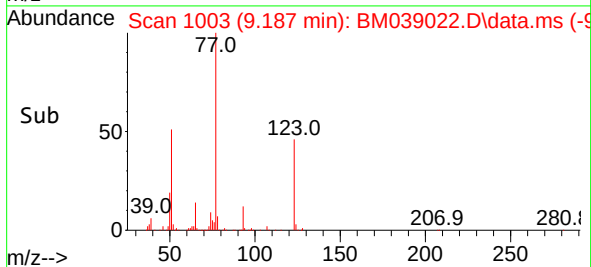
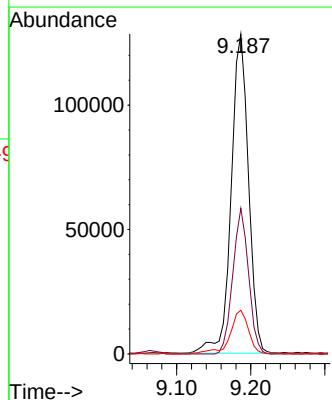
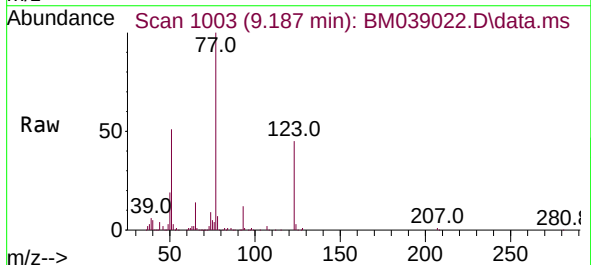
Manual Integrations
APPROVED

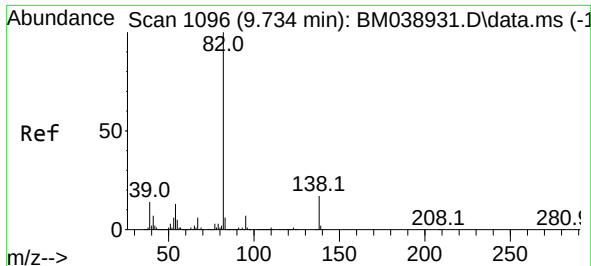
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#24
Nitrobenzene
Concen: 7.160 ng
RT: 9.187 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

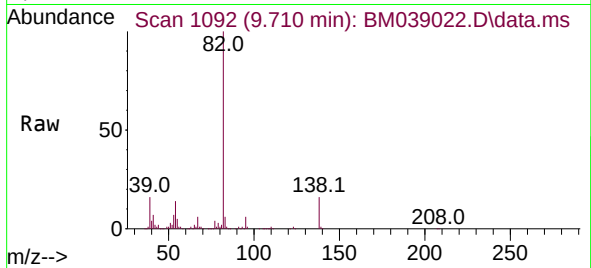
Tgt Ion: 77 Resp: 208319
Ion Ratio Lower Upper
77 100
123 45.5 35.8 53.6
65 13.6 10.2 15.4





#25
Isophorone
Concen: 7.043 ng
RT: 9.710 min Scan# 1096
Delta R.T. -0.006 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

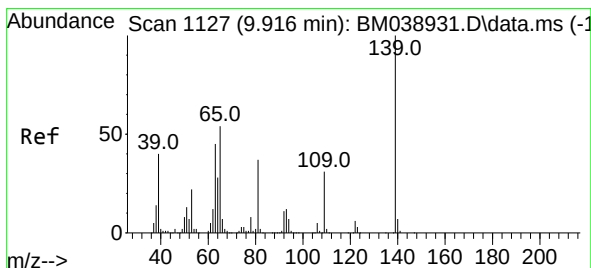
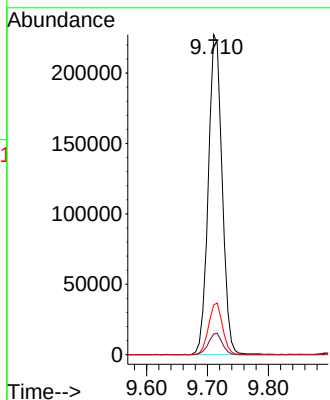
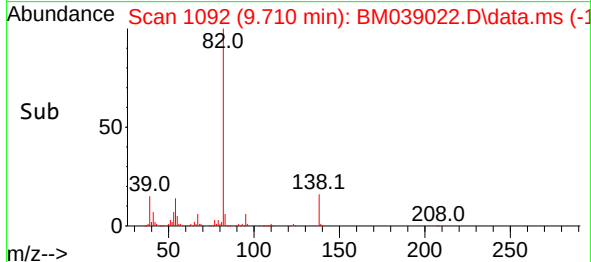
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 82 Resp: 35878
Ion Ratio Lower Upper
82 100
95 6.4 5.2 7.8
138 15.5 13.6 20.4

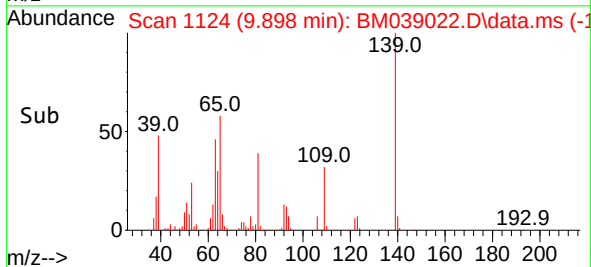
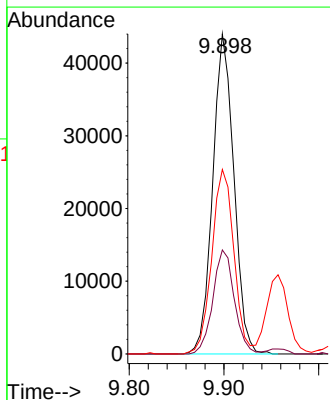
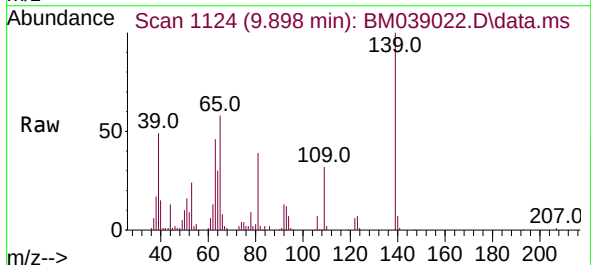
Manual Integrations
APPROVED

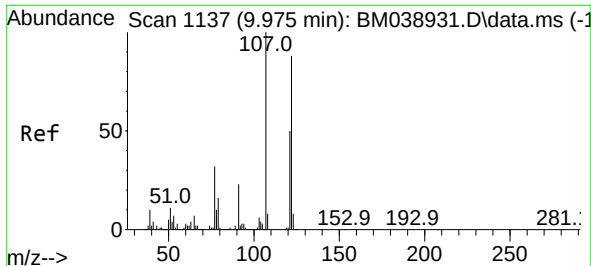
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#26
2-Nitrophenol
Concen: 5.932 ng
RT: 9.898 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

Tgt Ion:139 Resp: 68201
Ion Ratio Lower Upper
139 100
109 32.5 24.5 36.7
65 57.6 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 6.656 ng

RT: 9.957 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BM039022.D

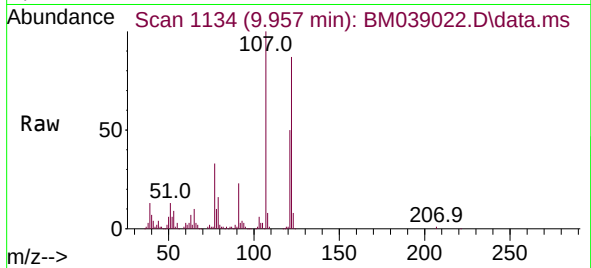
Acq: 16 Mar 2023 18:51

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 122 Resp: 147740

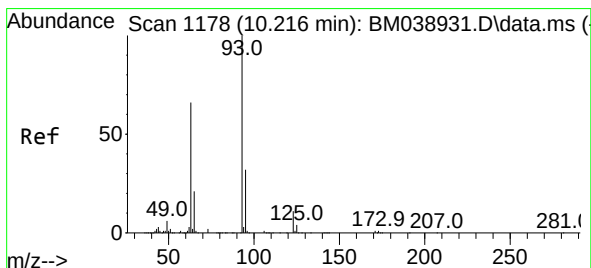
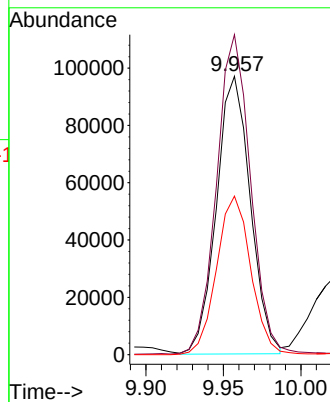
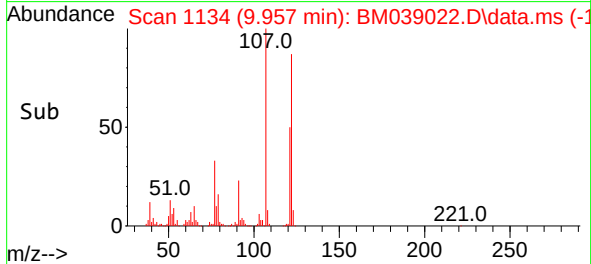
Ion	Ratio	Lower	Upper
122	100		
107	115.0	91.0	136.4
121	56.9	45.1	67.7

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#28

bis(2-Chloroethoxy)methane

Concen: 7.066 ng

RT: 10.198 min Scan# 1175

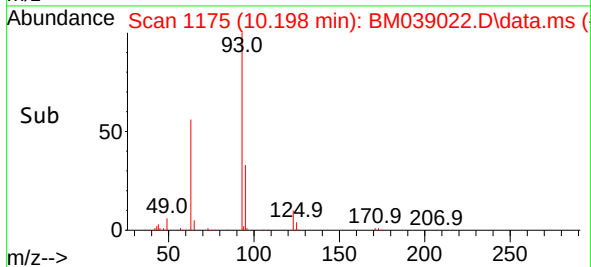
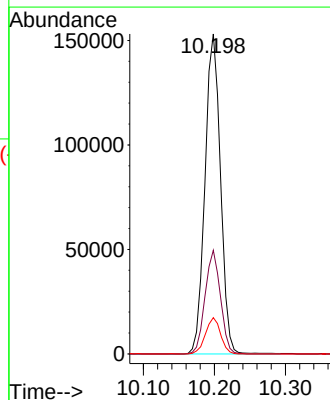
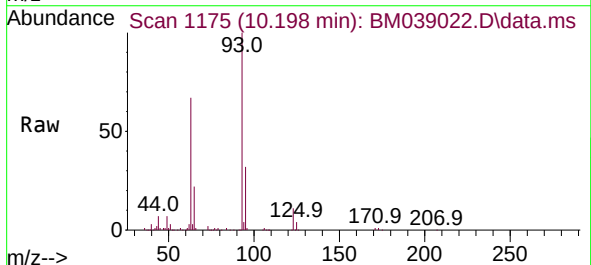
Delta R.T. 0.000 min

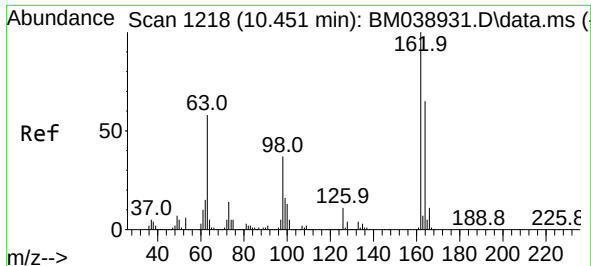
Lab File: BM039022.D

Acq: 16 Mar 2023 18:51

Tgt Ion: 93 Resp: 231255

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.9	38.9
123	11.3	8.8	13.2





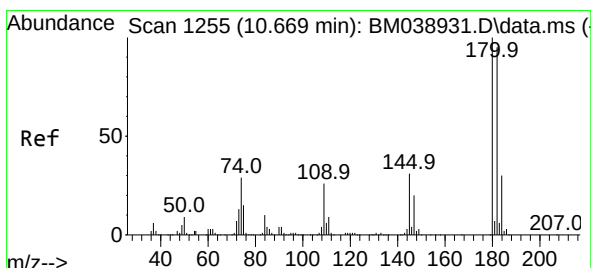
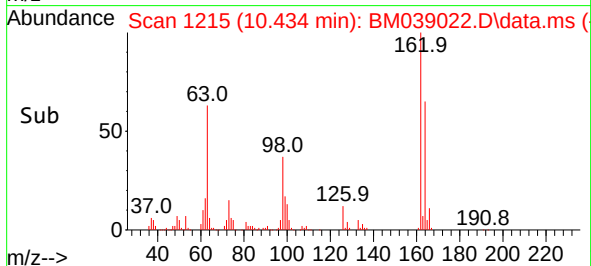
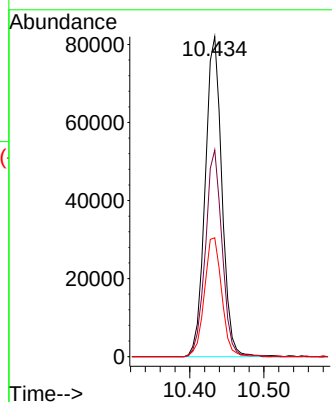
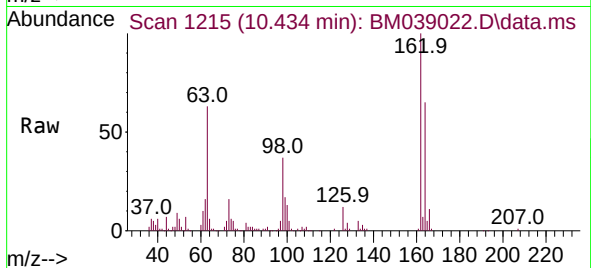
#29
2,4-Dichlorophenol
Concen: 6.107 ng
RT: 10.434 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:162 Resp: 128502
Ion Ratio Lower Upper
162 100
164 64.6 44.6 84.6
98 37.1 17.5 57.5

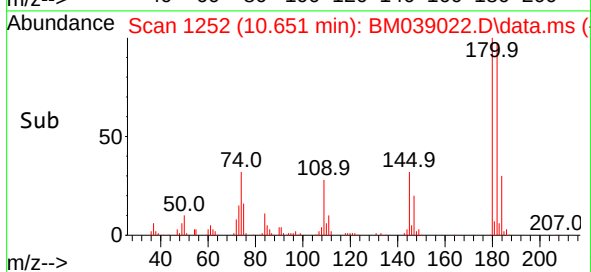
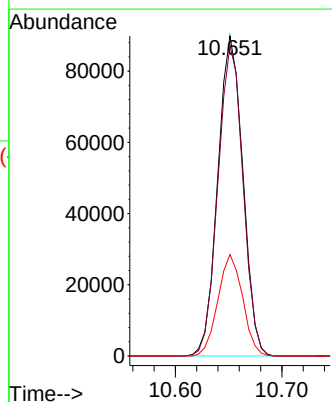
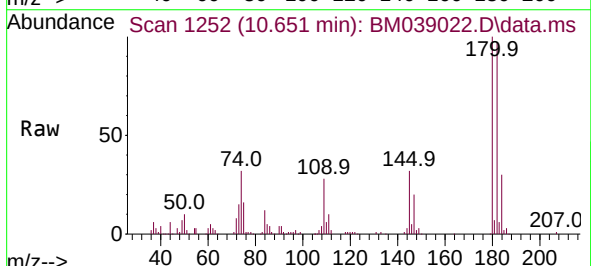
Manual Integrations
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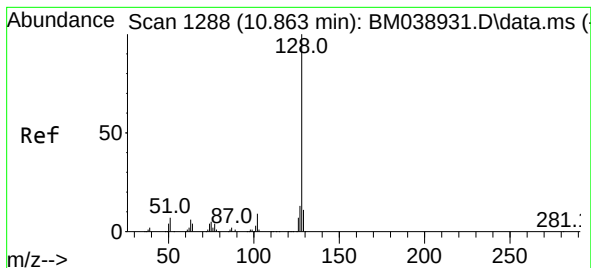
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#30
1,2,4-Trichlorobenzene
Concen: 6.391 ng
RT: 10.651 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

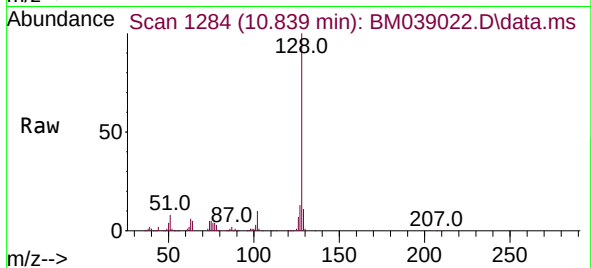
Tgt Ion:180 Resp: 146967
Ion Ratio Lower Upper
180 100
182 97.0 76.3 114.5
145 31.7 25.0 37.4





#31
Naphthalene
Concen: 6.676 ng
RT: 10.839 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

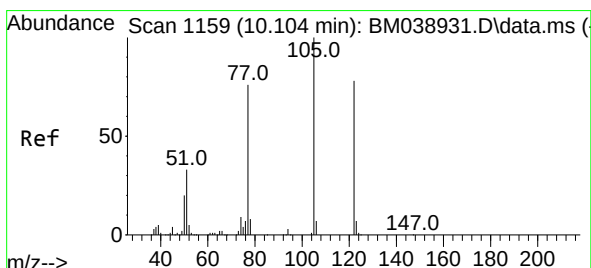
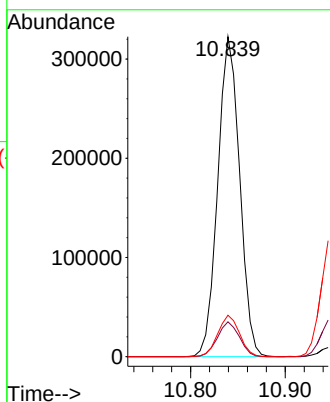
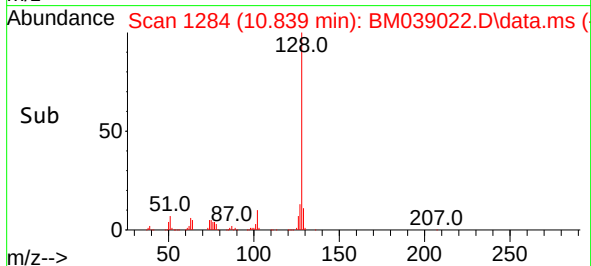
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:128 Resp: 517619
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.9 10.2 15.4

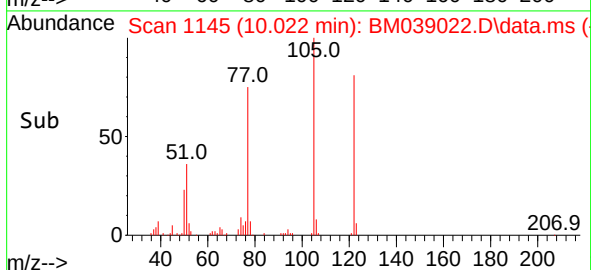
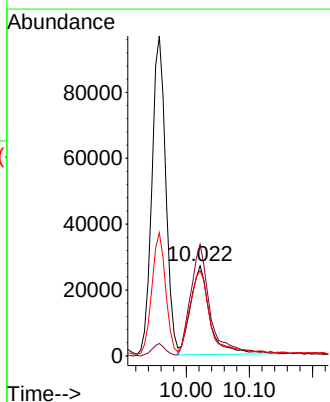
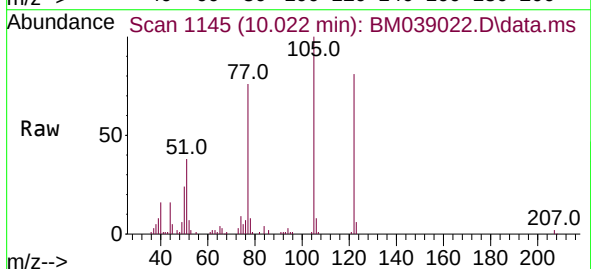
Manual Integrations
APPROVED

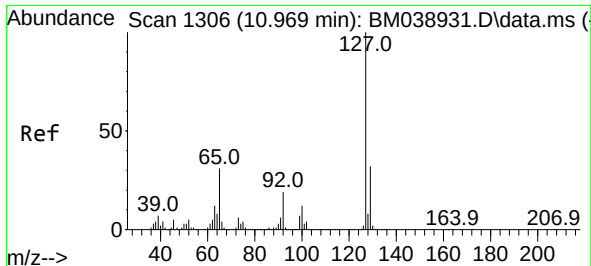
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#32
Benzoic acid
Concen: 3.899 ng
RT: 10.022 min Scan# 1145
Delta R.T. -0.076 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

Tgt Ion:122 Resp: 57319
Ion Ratio Lower Upper
122 100
105 123.8 104.2 144.2
77 94.4 75.1 115.1





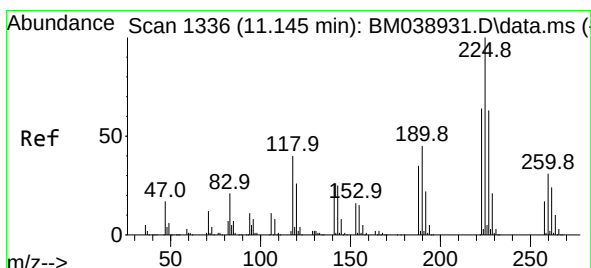
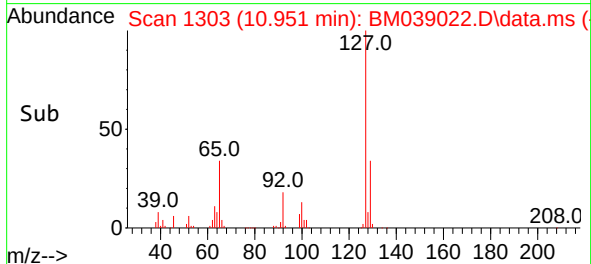
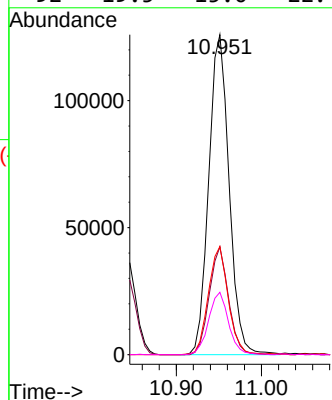
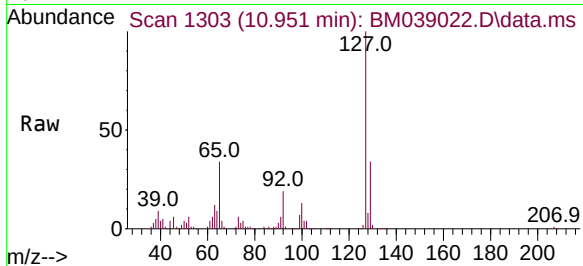
#33
4-Chloroaniline
Concen: 6.328 ng
RT: 10.951 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:	127	Resp:	209089
Ion Ratio	Lower	Upper	
127	100		
129	33.7	25.4	38.2
65	33.8	24.4	36.6
92	19.5	15.0	22.4

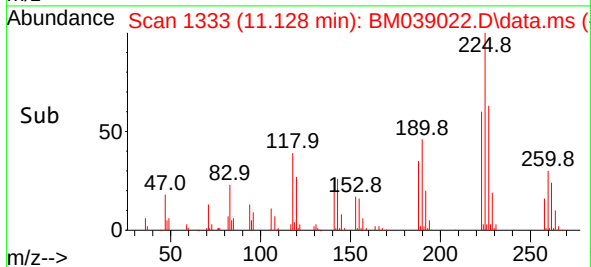
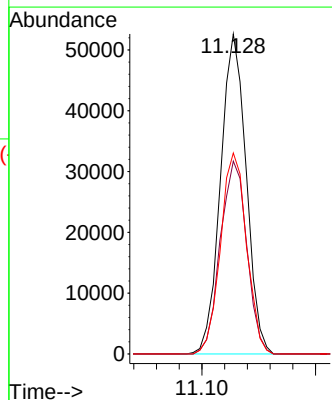
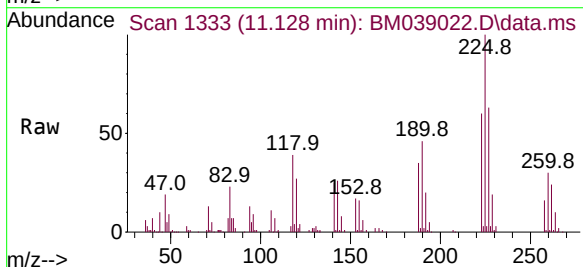
Manual Integrations
APPROVED

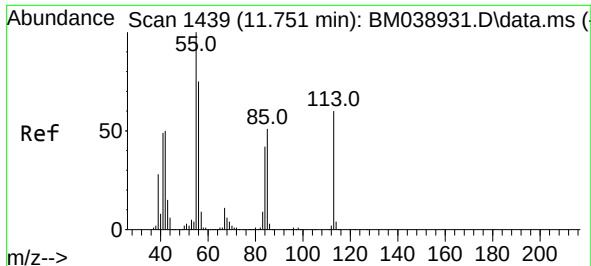
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#34
Hexachlorobutadiene
Concen: 6.245 ng
RT: 11.128 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

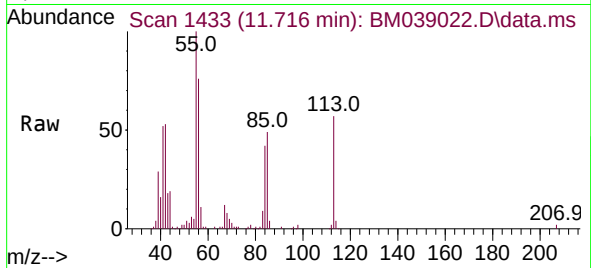
Tgt Ion:	225	Resp:	82347
Ion Ratio	Lower	Upper	
225	100		
223	58.2	51.3	76.9
227	60.7	50.6	76.0





#35
 Caprolactam
 Concen: 6.705 ng
 RT: 11.716 min Scan# 1433
 Delta R.T. -0.023 min
 Lab File: BM039022.D
 Acq: 16 Mar 2023 18:51

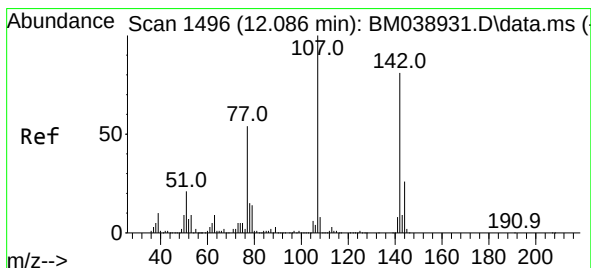
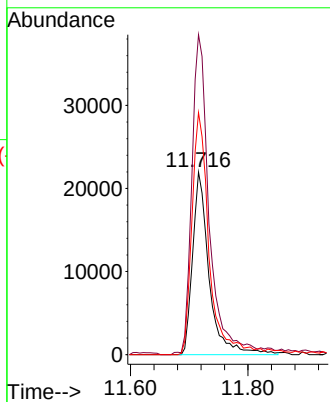
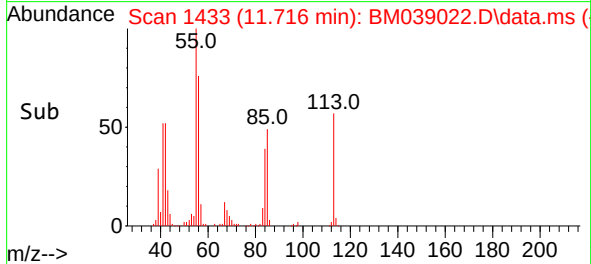
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:113 Resp: 42944
 Ion Ratio Lower Upper
 113 100
 55 175.3 147.0 187.0
 56 132.5 105.1 145.1

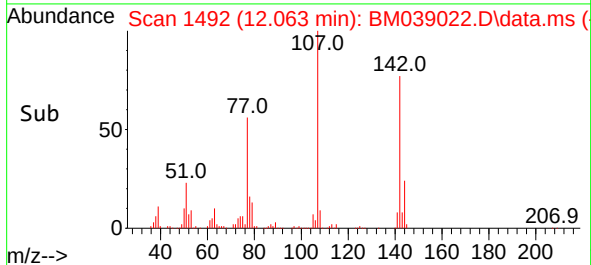
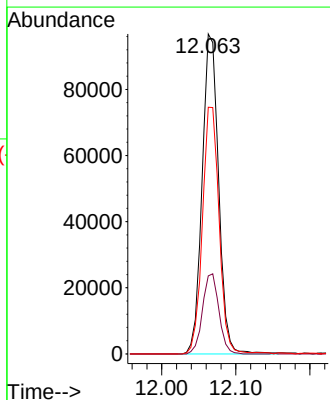
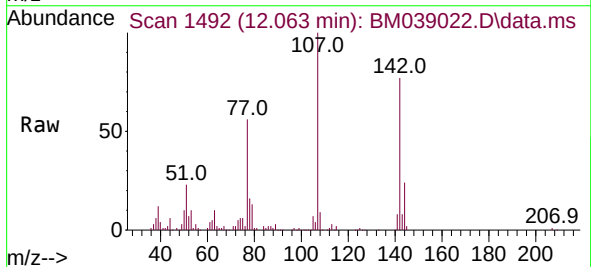
Manual Integrations
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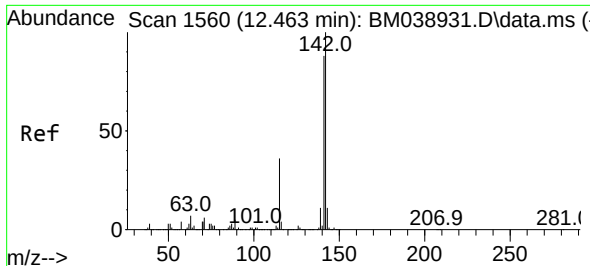
Reviewed By :Christian Giraldo 03/17/2023
 Supervised By :Jagrut Upadhyay 03/17/2023



#36
 4-Chloro-3-methylphenol
 Concen: 6.663 ng
 RT: 12.063 min Scan# 1492
 Delta R.T. -0.006 min
 Lab File: BM039022.D
 Acq: 16 Mar 2023 18:51

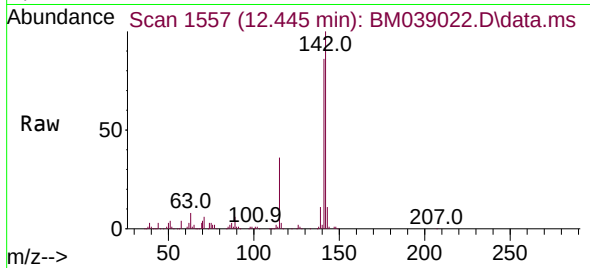
Tgt Ion:107 Resp: 149291
 Ion Ratio Lower Upper
 107 100
 144 24.4 20.7 31.1
 142 77.1 64.6 97.0





#37
2-Methylnaphthalene
Concen: 6.577 ng
RT: 12.445 min Scan# 1557
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

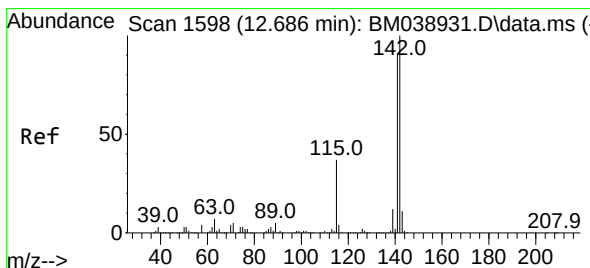
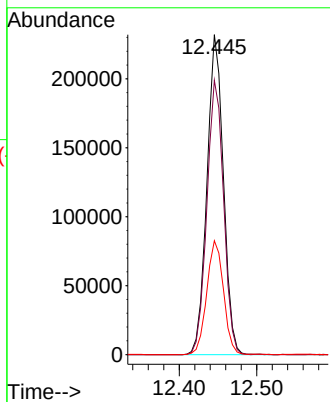
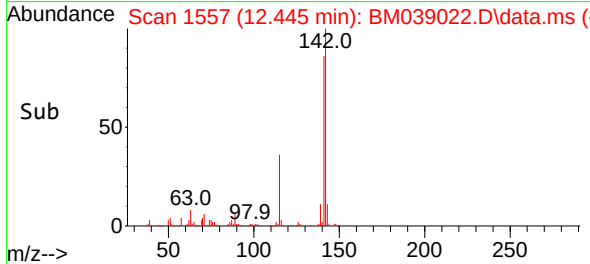
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:142 Resp: 341809
Ion Ratio Lower Upper
142 100
141 85.7 70.6 106.0
115 35.6 28.5 42.7

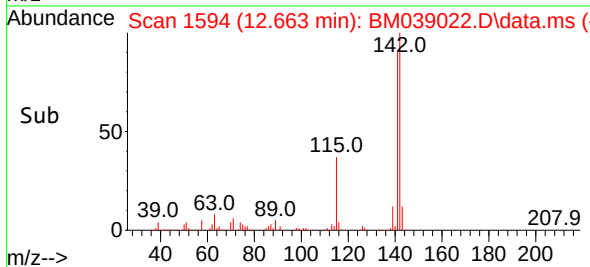
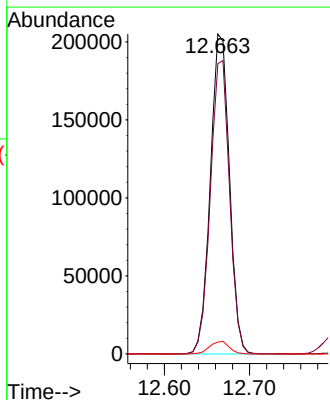
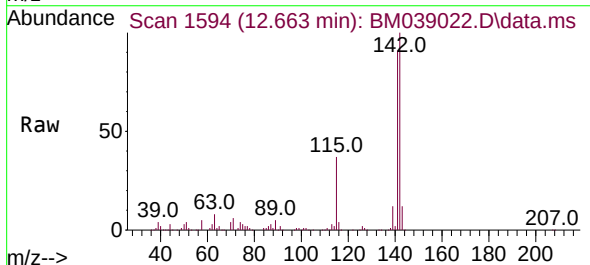
Manual Integrations
APPROVED

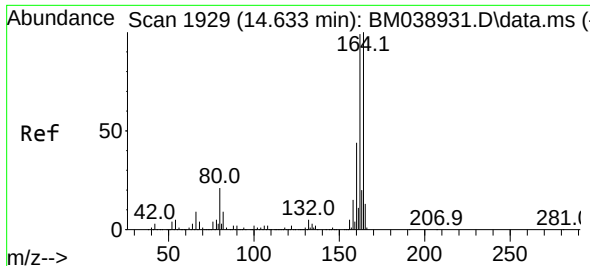
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#38
1-Methylnaphthalene
Concen: 6.549 ng
RT: 12.663 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

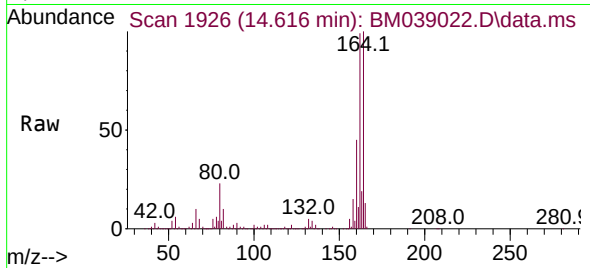
Tgt Ion:142 Resp: 318921
Ion Ratio Lower Upper
142 100
141 90.7 72.8 109.2
116 3.7 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1926
Delta R.T. 0.001 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

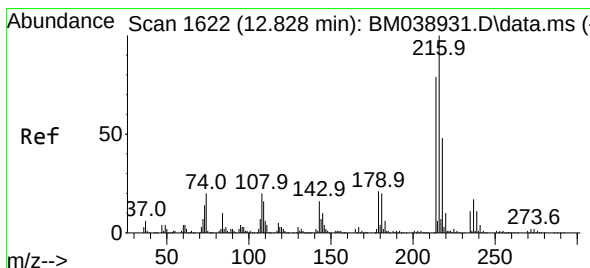
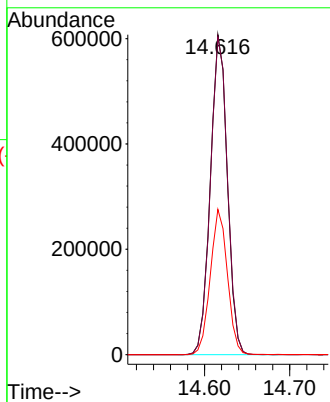
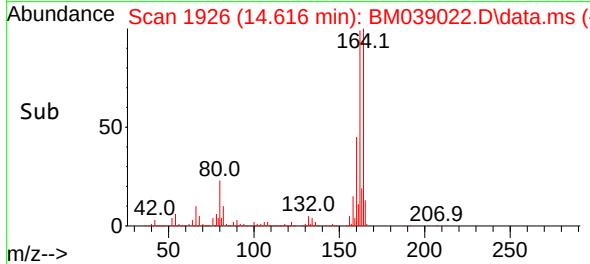
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



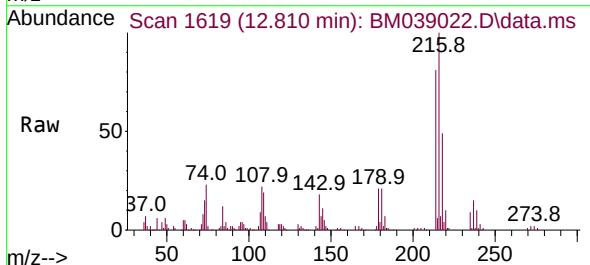
Tgt Ion:164 Resp: 840462
Ion Ratio Lower Upper
164 100
162 99.3 79.2 118.8
160 45.4 35.5 53.3

Manual Integrations
APPROVED

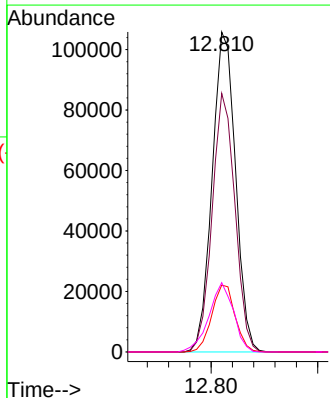
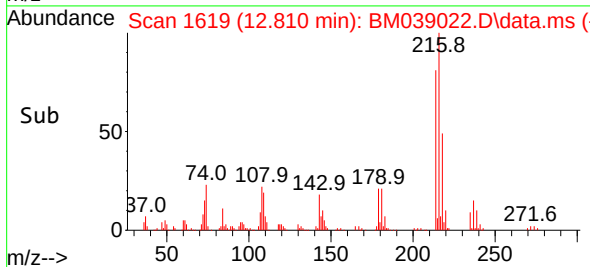
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

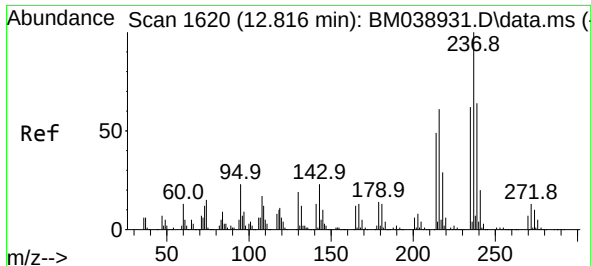


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.915 ng
RT: 12.810 min Scan# 1619
Delta R.T. -0.006 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51



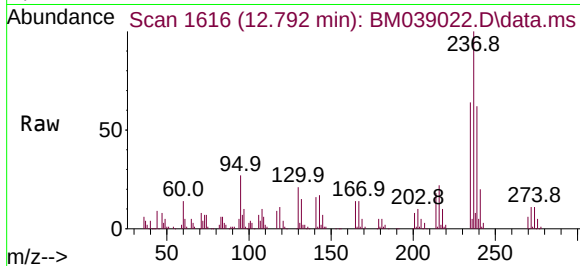
Tgt Ion:216 Resp: 161615
Ion Ratio Lower Upper
216 100
214 78.7 63.0 94.4
179 20.9 16.8 25.2
108 22.7 17.0 25.4





#41
Hexachlorocyclopentadiene
Concen: 6.227 ng
RT: 12.792 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

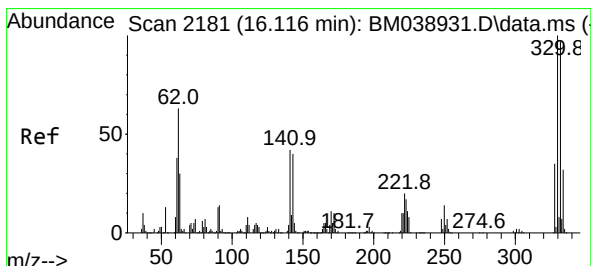
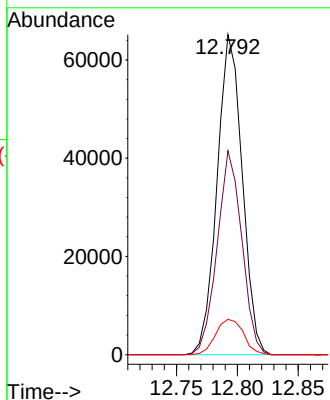
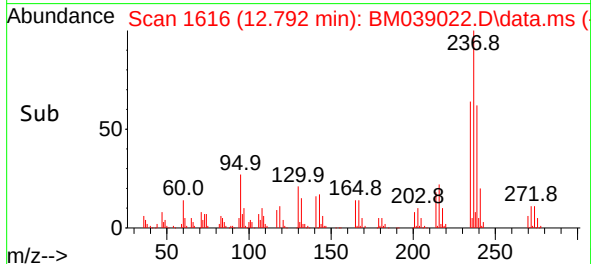
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



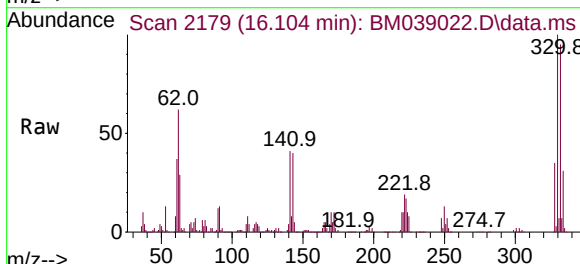
Tgt Ion:237 Resp: 93397
Ion Ratio Lower Upper
237 100
235 63.7 41.7 81.7
272 11.0 0.0 33.2

Manual Integrations
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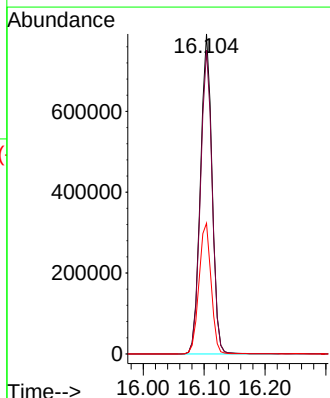
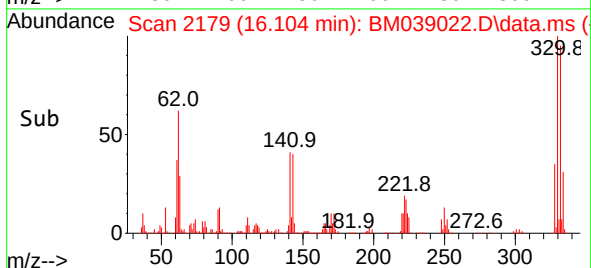
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

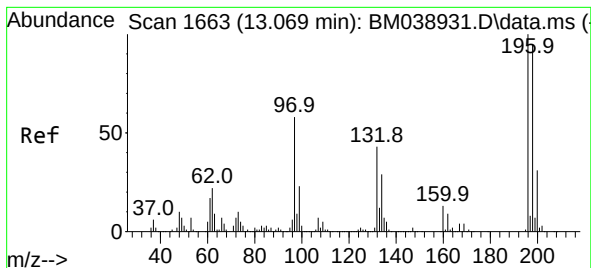


#42
2,4,6-Tribromophenol
Concen: 107.254 ng
RT: 16.104 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51



Tgt Ion:330 Resp: 1042809
Ion Ratio Lower Upper
330 100
332 95.7 77.4 116.0
141 42.7 32.2 48.4





#43

2,4,6-Trichlorophenol

Concen: 5.483 ng

RT: 13.051 min Scan# 1660

Delta R.T. 0.000 min

Lab File: BM039022.D

Acq: 16 Mar 2023 18:51

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

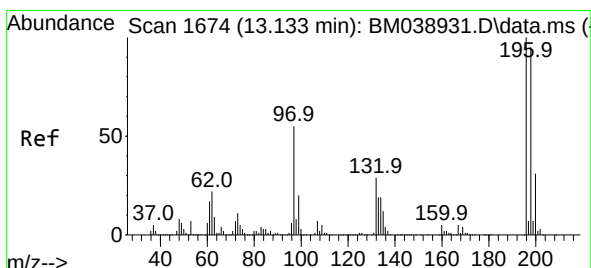
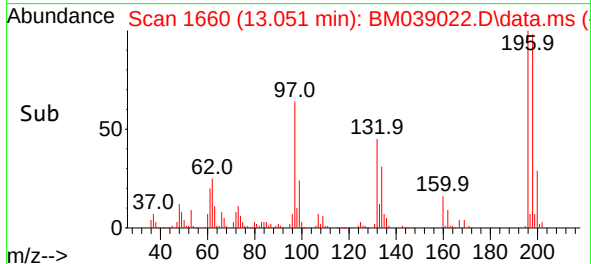
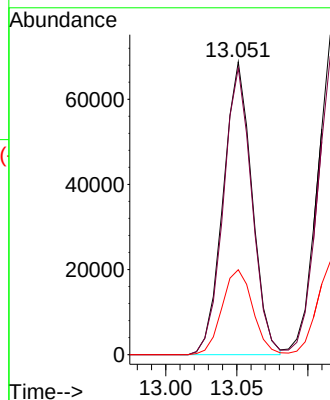
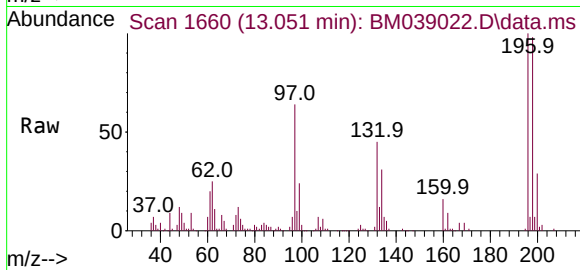
Tgt Ion:196	Resp:	97015
Ion Ratio	Lower	Upper
196	100	
198	97.9	75.8 113.8
200	29.0	25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#44

2,4,5-Trichlorophenol

Concen: 5.265 ng

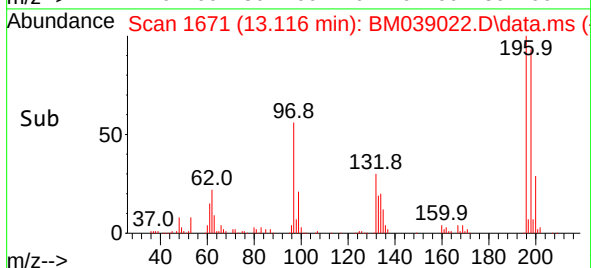
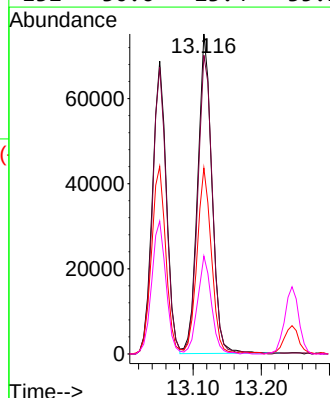
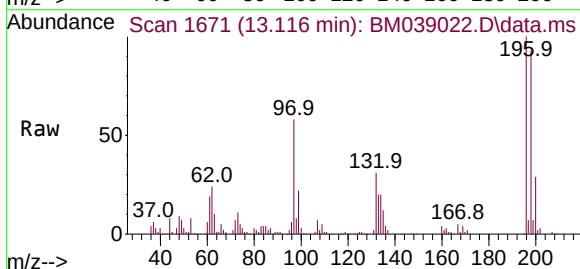
RT: 13.116 min Scan# 1671

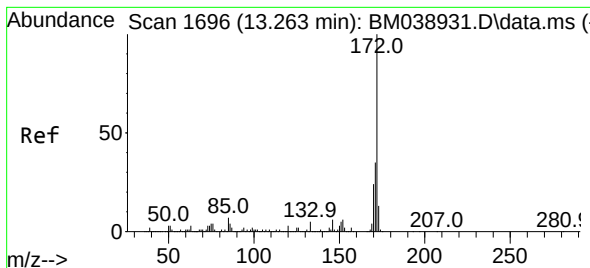
Delta R.T. -0.006 min

Lab File: BM039022.D

Acq: 16 Mar 2023 18:51

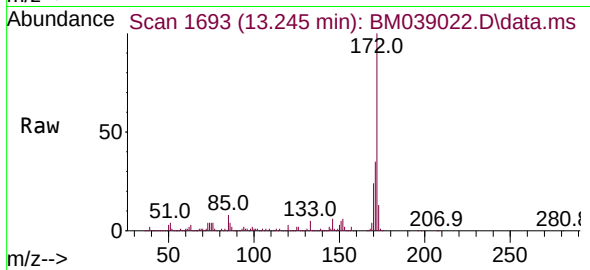
Tgt Ion:196	Resp:	109041
Ion Ratio	Lower	Upper
196	100	
198	93.3	76.3 114.5
97	58.1	44.2 66.4
132	30.6	23.4 35.2





#45
2-Fluorobiphenyl
Concen: 73.164 ng
RT: 13.245 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

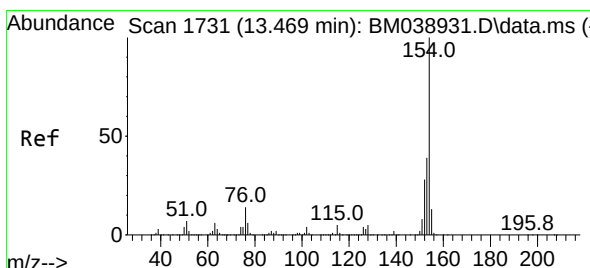
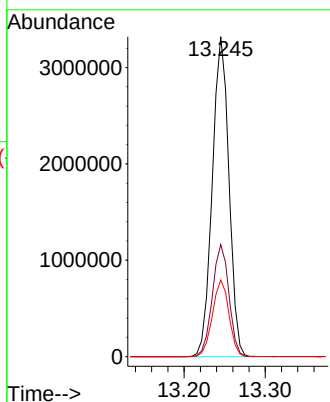
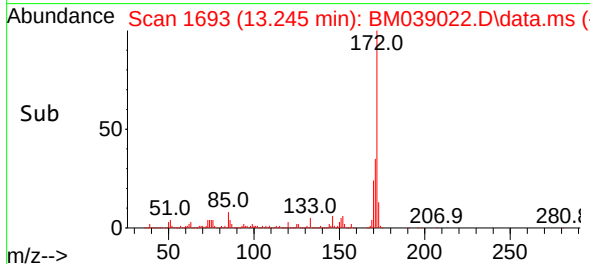
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



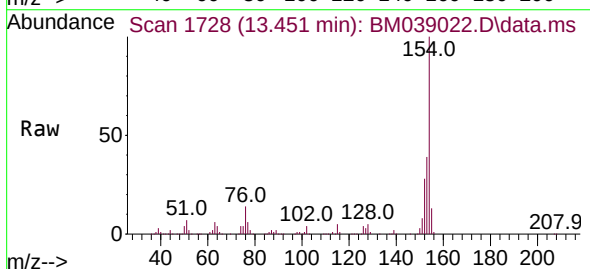
Tgt Ion:172 Resp: 4723572
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 23.9 19.1 28.7

Manual Integrations
APPROVED

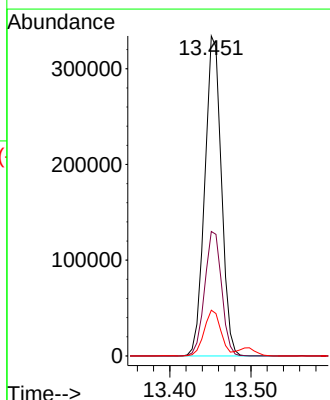
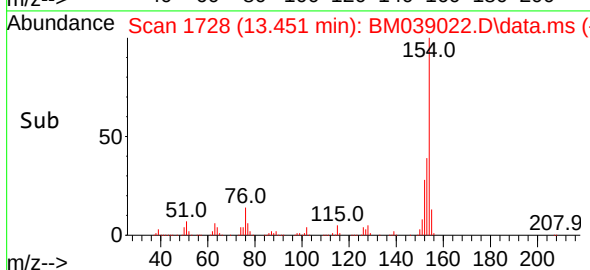
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

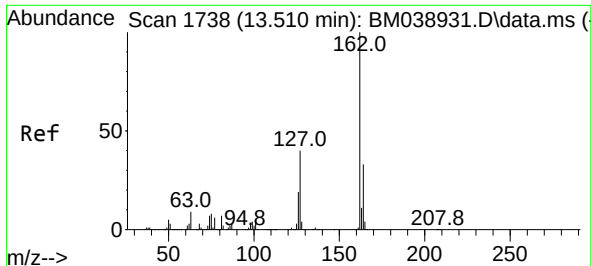


#46
1,1'-Biphenyl
Concen: 6.681 ng
RT: 13.451 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51



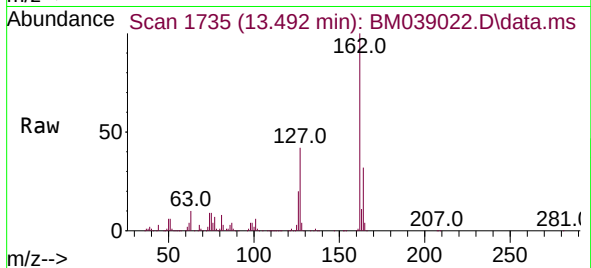
Tgt Ion:154 Resp: 475697
Ion Ratio Lower Upper
154 100
153 38.9 19.3 59.3
76 14.3 0.0 34.0





#47
2-Chloronaphthalene
Concen: 6.436 ng
RT: 13.492 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

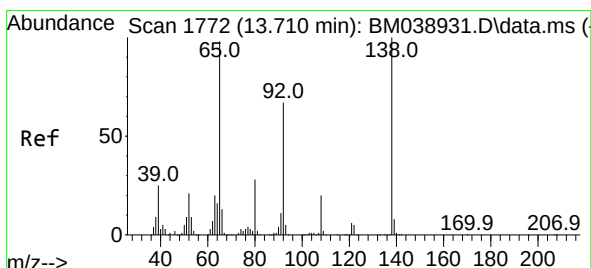
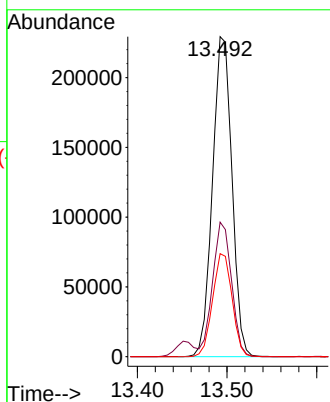
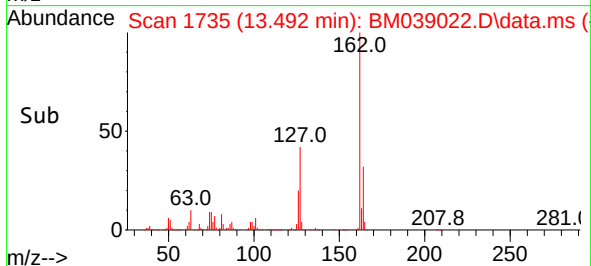
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



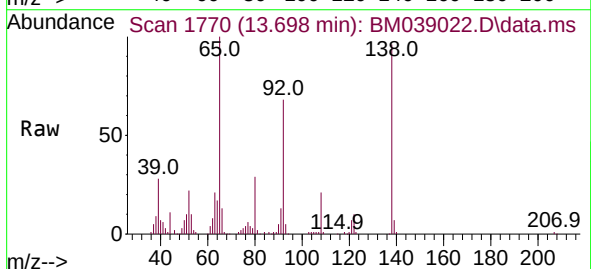
Tgt Ion:162 Resp: 345543
Ion Ratio Lower Upper
162 100
127 42.0 32.1 48.1
164 32.2 26.2 39.4

Manual Integrations
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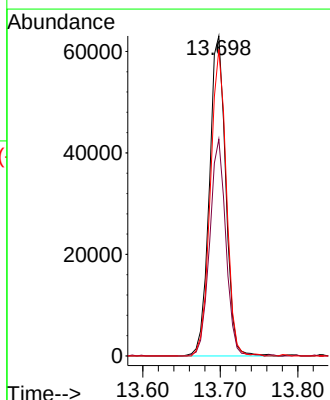
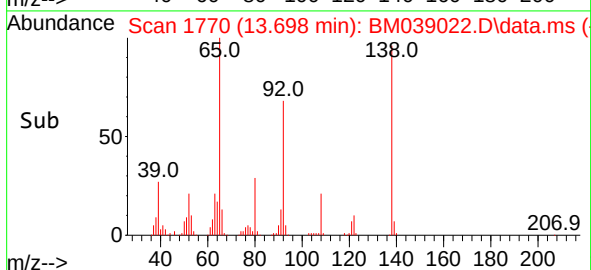
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

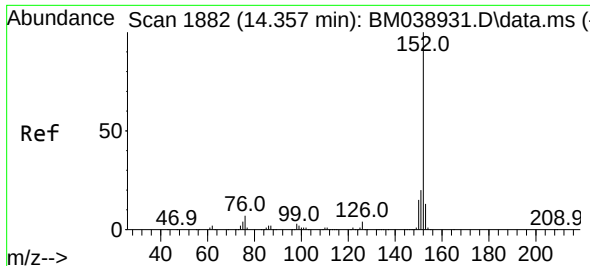


#48
2-Nitroaniline
Concen: 5.987 ng
RT: 13.698 min Scan# 1770
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51



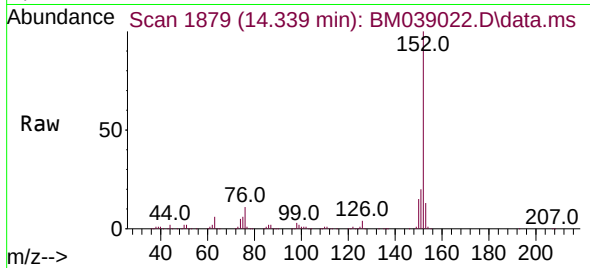
Tgt Ion: 65 Resp: 92310
Ion Ratio Lower Upper
65 100
92 67.7 54.9 82.3
138 95.7 81.6 122.4





#49
Acenaphthylene
Concen: 6.205 ng
RT: 14.339 min Scan# 1882
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

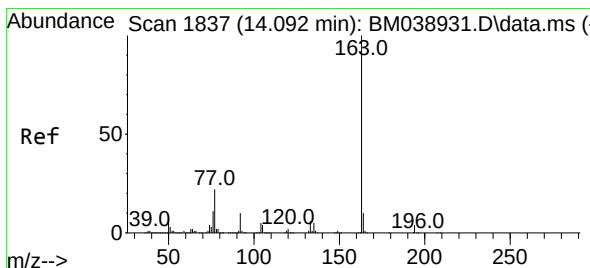
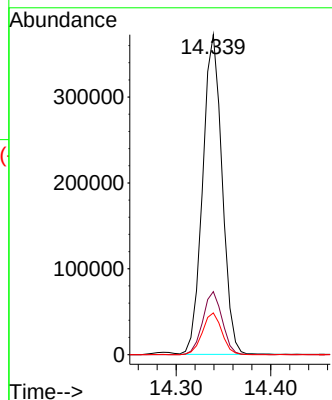
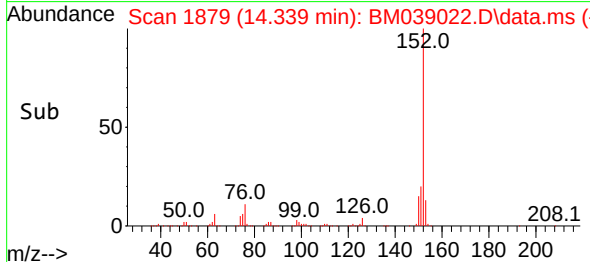
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:152 Resp: 530695
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 13.0 10.4 15.6

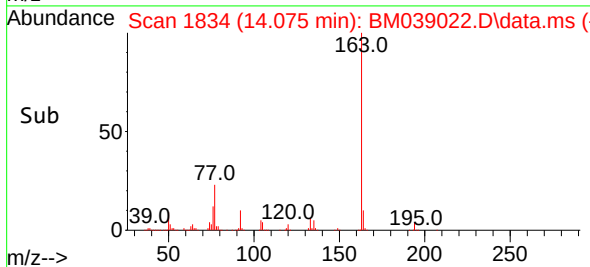
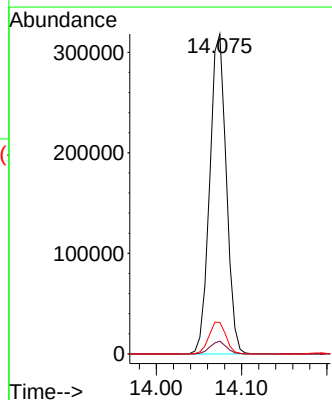
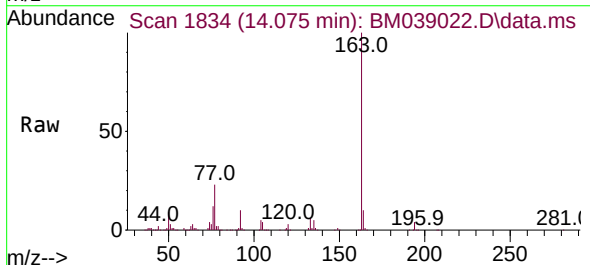
Manual Integrations
APPROVED

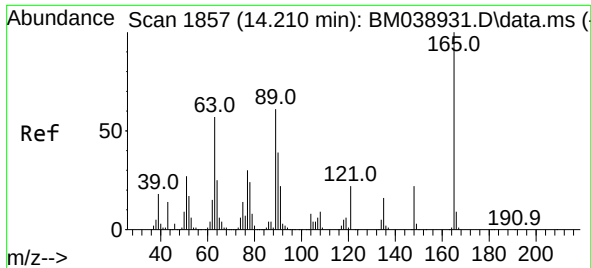
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#50
Dimethylphthalate
Concen: 6.643 ng
RT: 14.075 min Scan# 1834
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

Tgt Ion:163 Resp: 429608
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.8 8.1 12.1





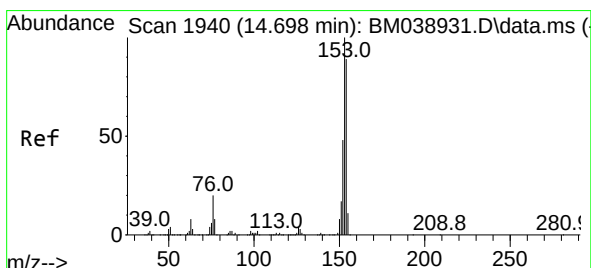
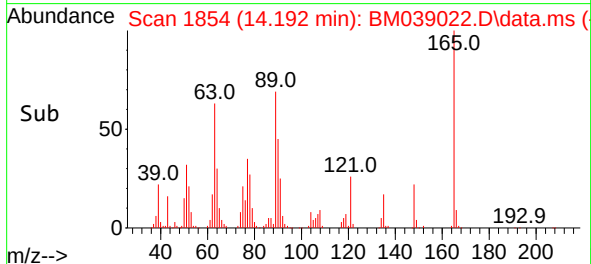
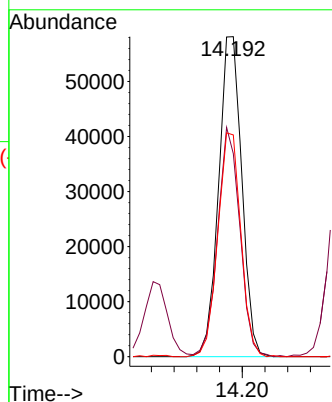
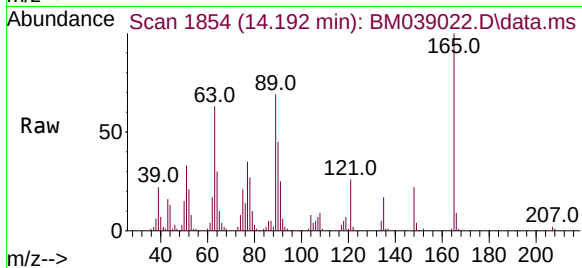
#51
2,6-Dinitrotoluene
Concen: 6.239 ng
RT: 14.192 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:165 Resp: 82049
Ion Ratio Lower Upper
165 100
63 63.4 46.6 70.0
89 69.3 48.6 73.0

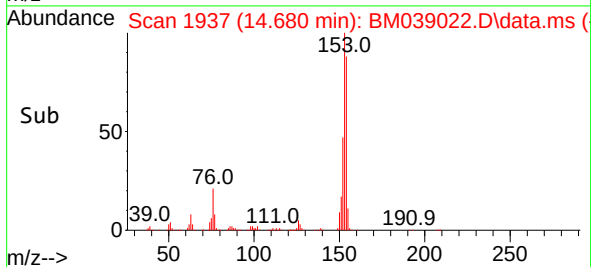
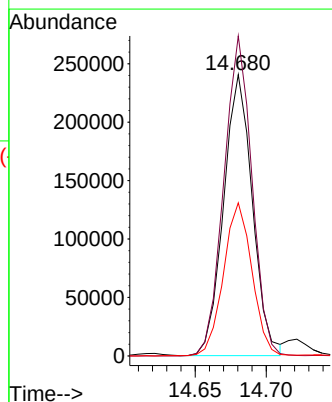
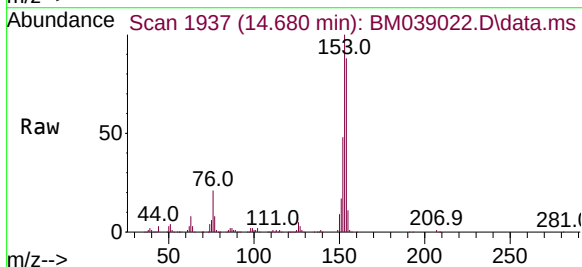
Manual Integrations
APPROVED

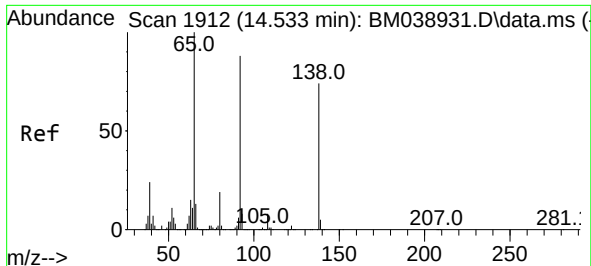
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#52
Acenaphthene
Concen: 6.454 ng
RT: 14.680 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

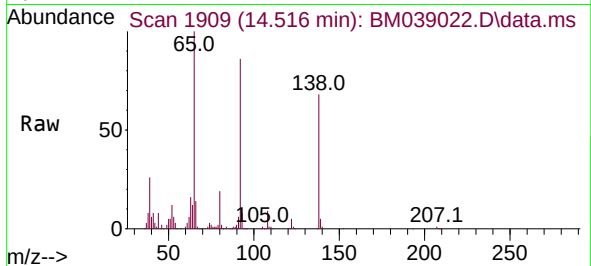
Tgt Ion:154 Resp: 339238
Ion Ratio Lower Upper
154 100
153 113.8 90.2 135.2
152 54.4 43.4 65.2





#53
3-Nitroaniline
Concen: 5.871 ng
RT: 14.516 min Scan# 1909
Delta R.T. -0.005 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

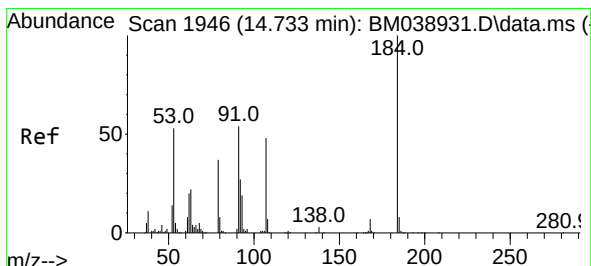
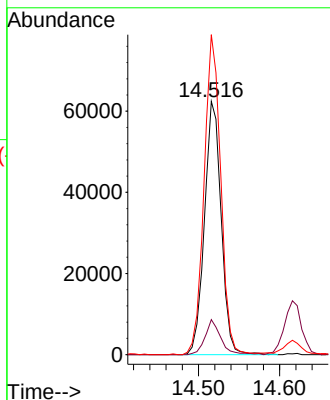
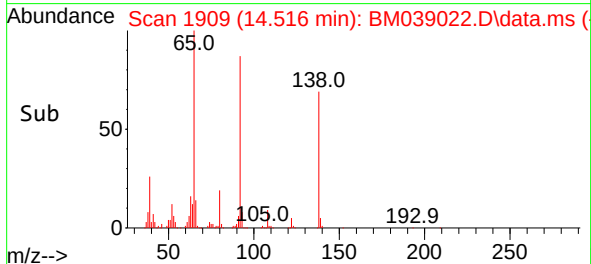
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



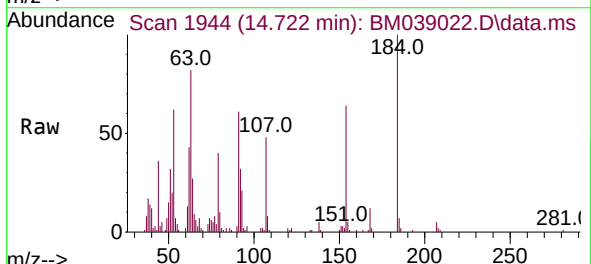
Tgt Ion:138 Resp: 89500
Ion Ratio Lower Upper
138 100
108 13.8 8.3 12.5
92 126.3 95.8 143.8

Manual Integrations
APPROVED

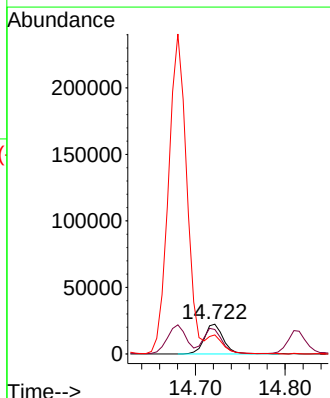
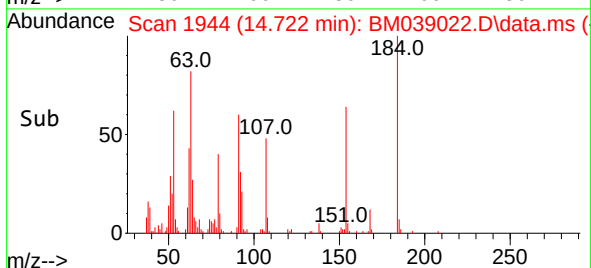
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

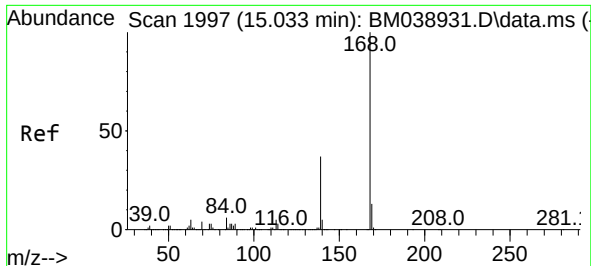


#54
2,4-Dinitrophenol
Concen: 4.593 ng
RT: 14.722 min Scan# 1944
Delta R.T. 0.001 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51



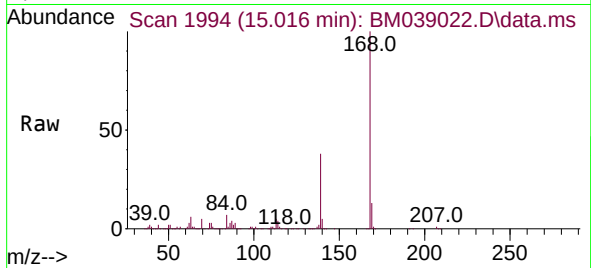
Tgt Ion:184 Resp: 32547
Ion Ratio Lower Upper
184 100
63 82.4 60.6 90.8
154 64.1 51.4 77.2





#55
Dibenzenofuran
Concen: 6.502 ng
RT: 15.016 min Scan# 1994
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

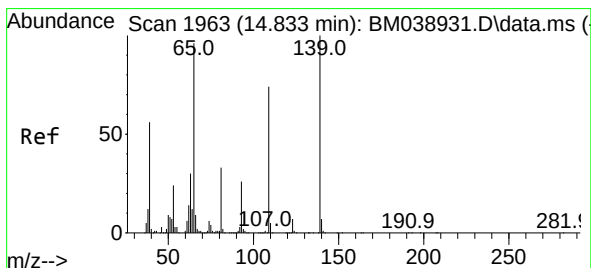
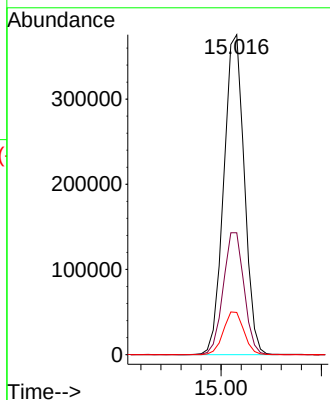
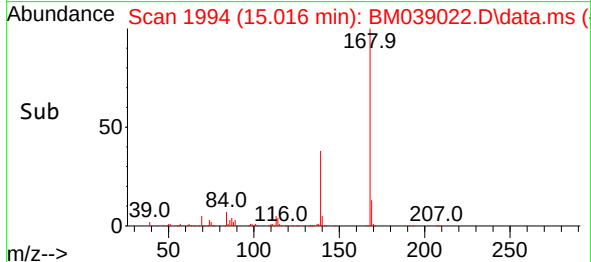
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:168 Resp: 534742
Ion Ratio Lower Upper
168 100
139 38.1 29.9 44.9
169 13.2 10.7 16.1

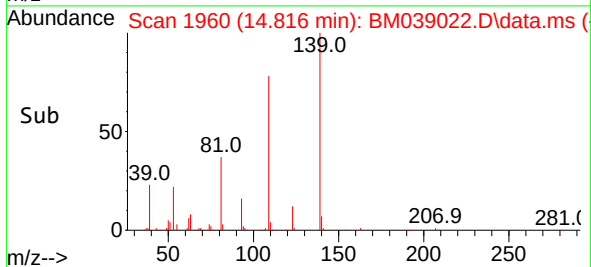
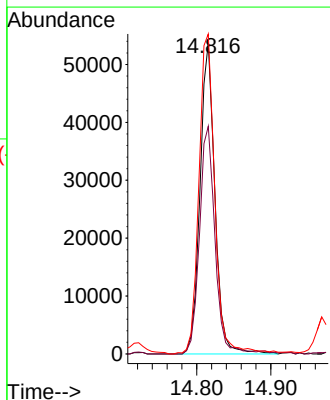
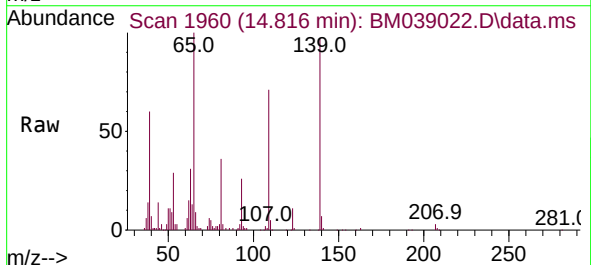
Manual Integrations
APPROVED

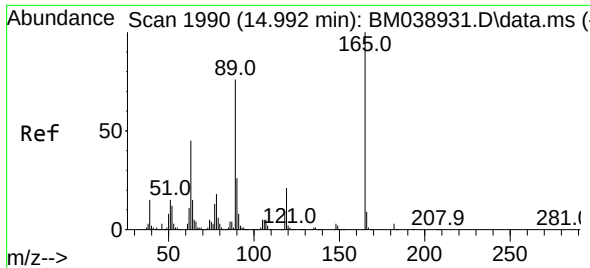
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#56
4-Nitrophenol
Concen: 5.834 ng
RT: 14.816 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

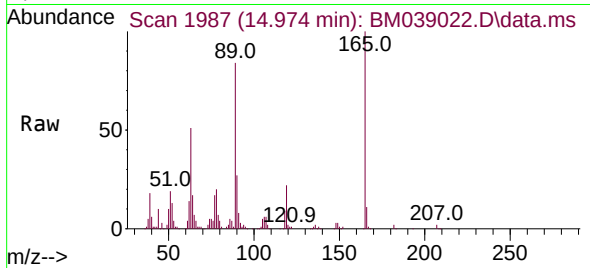
Tgt Ion:139 Resp: 74931
Ion Ratio Lower Upper
139 100
109 73.1 53.5 93.5
65 102.8 76.4 116.4





#57
2,4-Dinitrotoluene
Concen: 5.939 ng
RT: 14.974 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

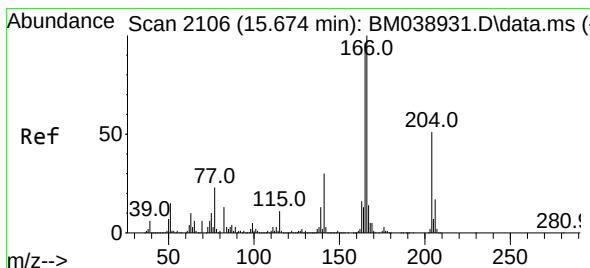
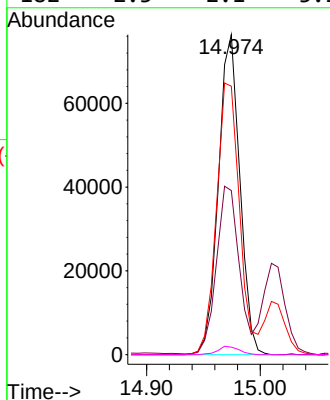
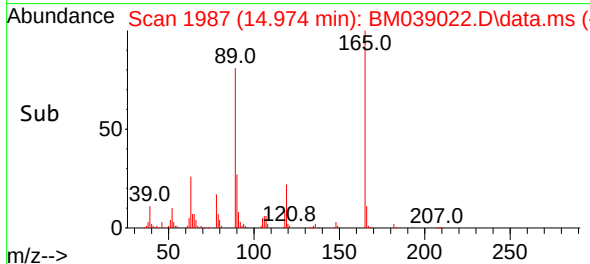
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:165 Resp: 100014
Ion Ratio Lower Upper
165 100
63 51.3 35.9 53.9
89 83.9 61.0 91.6
182 2.3 2.1 3.1

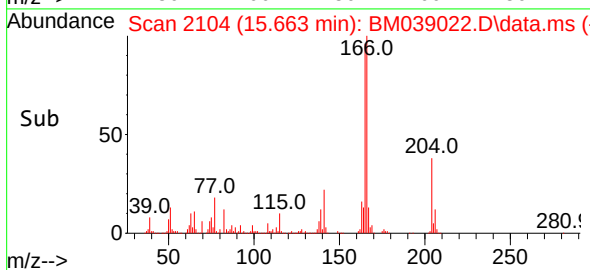
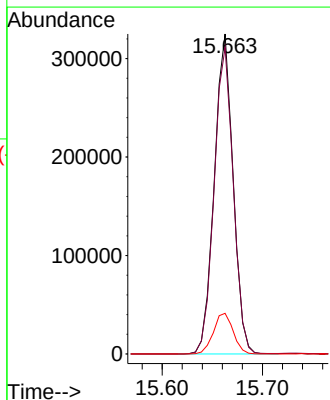
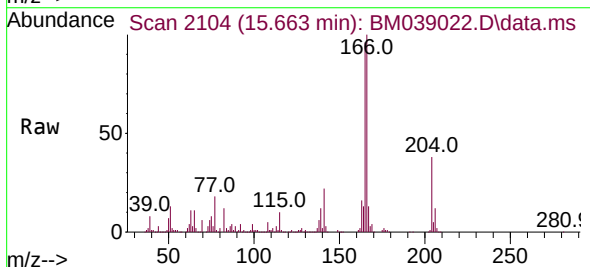
Manual Integrations
APPROVED

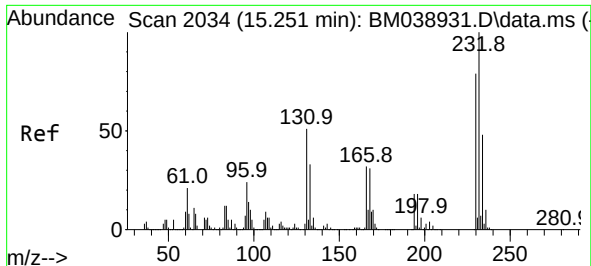
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#58
Fluorene
Concen: 6.598 ng
RT: 15.663 min Scan# 2104
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

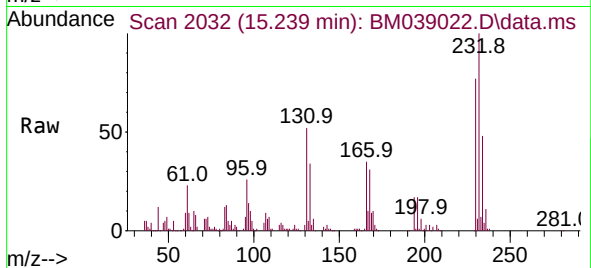
Tgt Ion:166 Resp: 425089
Ion Ratio Lower Upper
166 100
165 95.7 77.1 115.7
167 12.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.141 ng
RT: 15.239 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

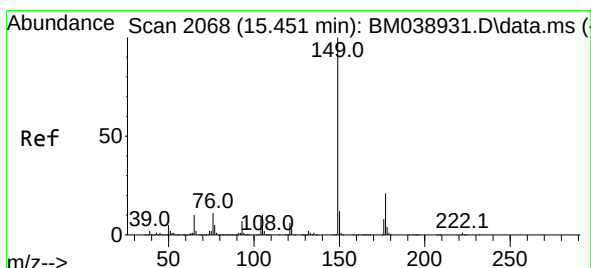
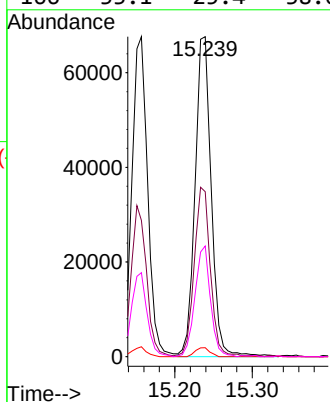
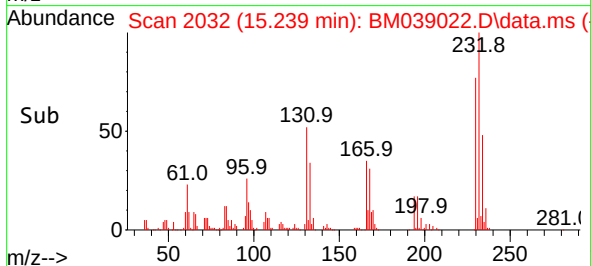
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:232 Resp: 98086
Ion Ratio Lower Upper
232 100
131 53.0 40.0 60.0
130 2.5 2.0 3.0
166 33.1 25.4 38.0

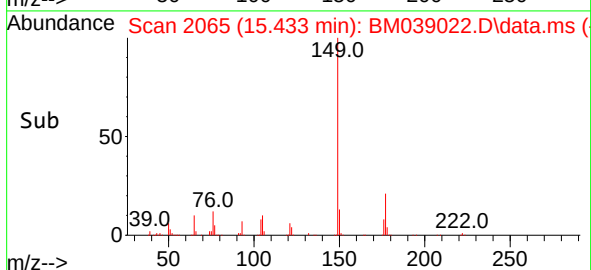
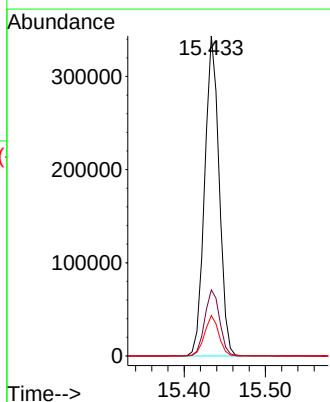
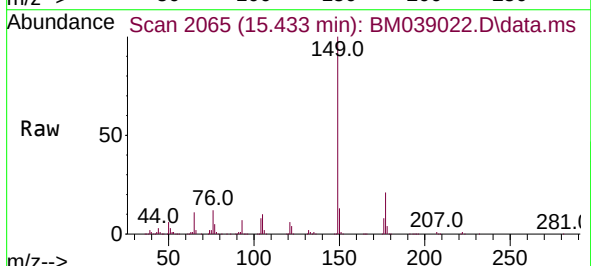
Manual Integrations
APPROVED

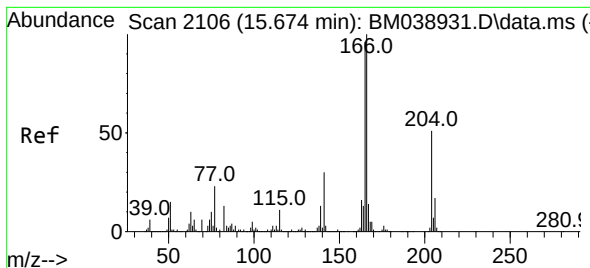
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#60
Diethylphthalate
Concen: 6.766 ng
RT: 15.433 min Scan# 2065
Delta R.T. -0.006 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

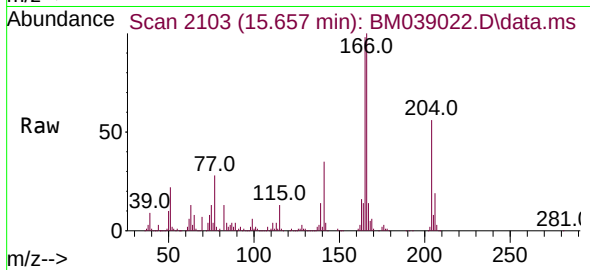
Tgt Ion:149 Resp: 425746
Ion Ratio Lower Upper
149 100
177 20.6 17.1 25.7
150 12.6 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 6.345 ng
RT: 15.657 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

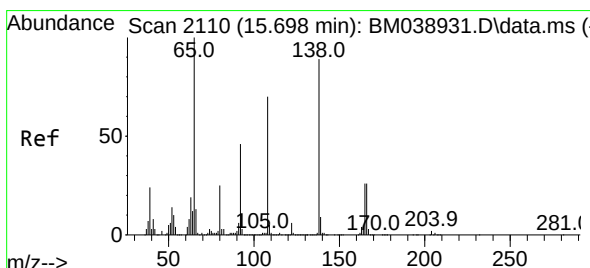
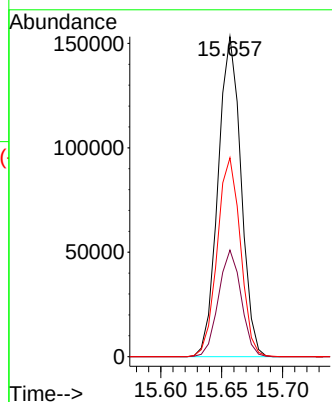
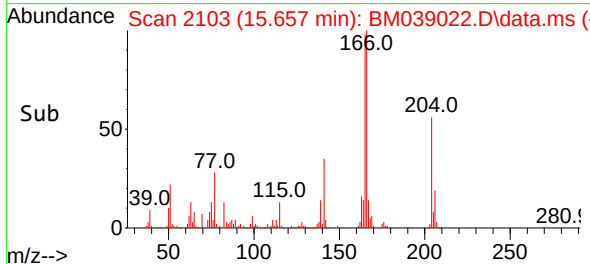
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



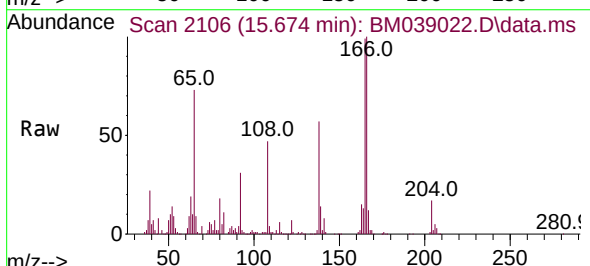
Tgt Ion:204 Resp: 200822
Ion Ratio Lower Upper
204 100
206 33.3 26.4 39.6
141 62.1 46.4 69.6

Manual Integrations
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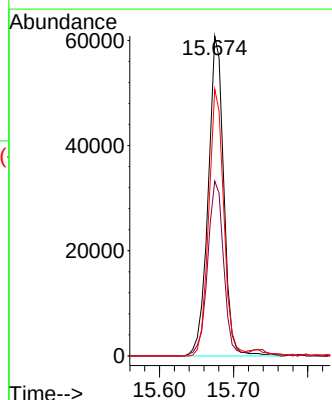
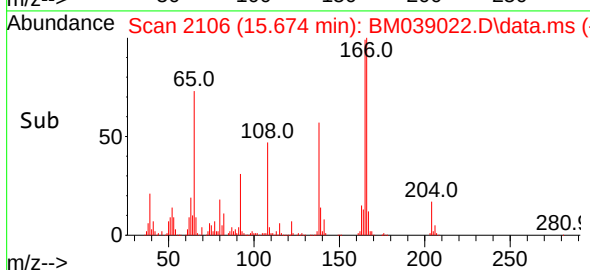
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

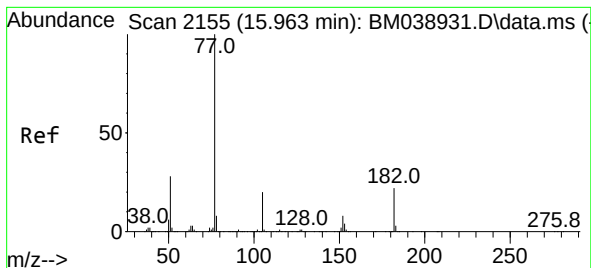


#62
4-Nitroaniline
Concen: 5.829 ng
RT: 15.674 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51



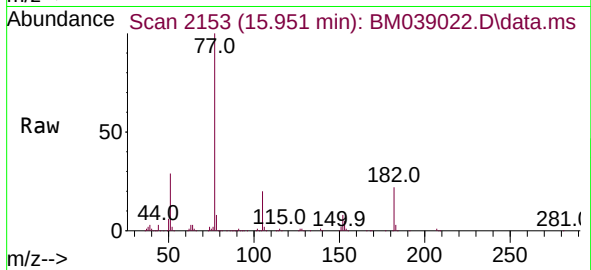
Tgt Ion:138 Resp: 88670
Ion Ratio Lower Upper
138 100
92 54.6 31.6 71.6
108 83.4 58.6 98.6





#63
Azobenzene
Concen: 6.707 ng
RT: 15.951 min Scan# 2155
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

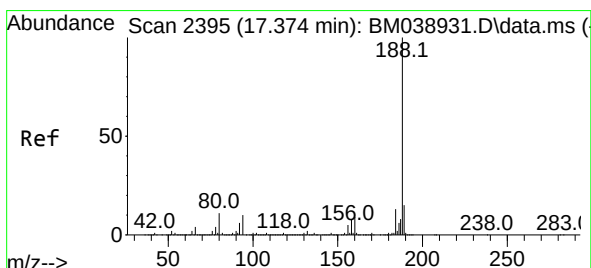
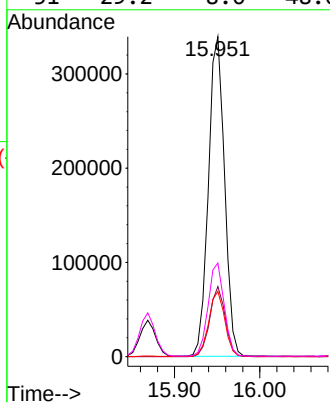
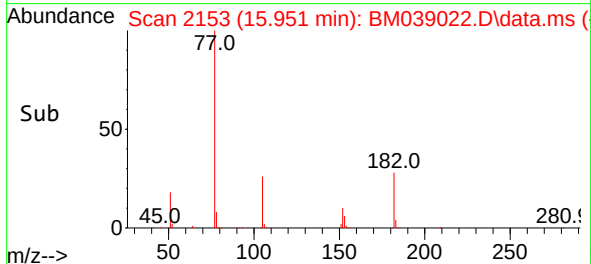
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 77 Resp: 446553
Ion Ratio Lower Upper
77 100
182 21.9 2.0 42.0
105 20.3 0.4 40.4
51 29.2 8.0 48.0

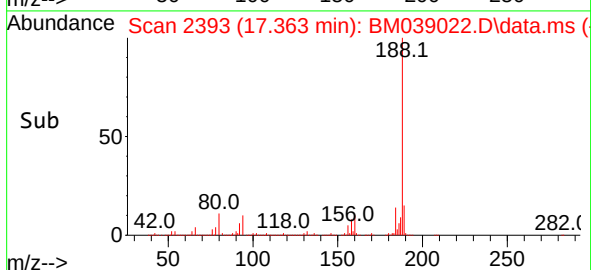
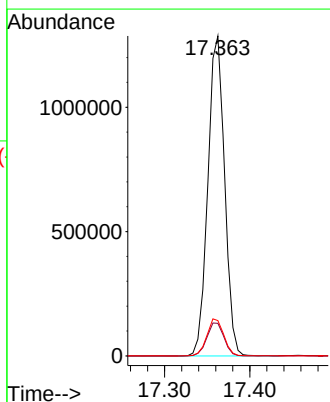
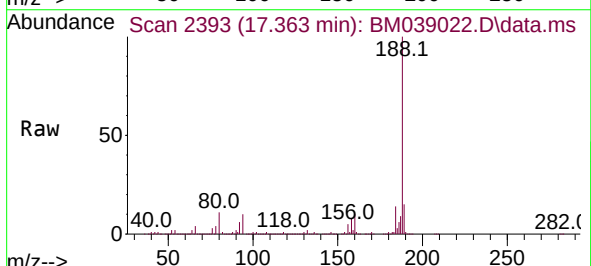
Manual Integrations
APPROVED

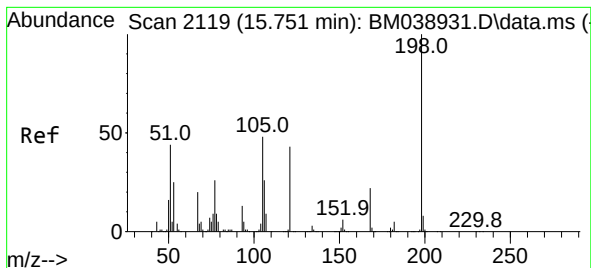
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.363 min Scan# 2393
Delta R.T. 0.001 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

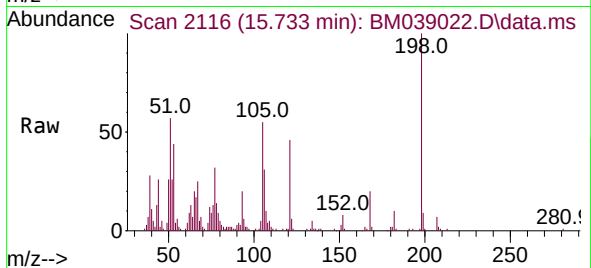
Tgt Ion:188 Resp: 1753814
Ion Ratio Lower Upper
188 100
94 10.2 7.9 11.9
80 11.1 8.5 12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 4.442 ng
RT: 15.733 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

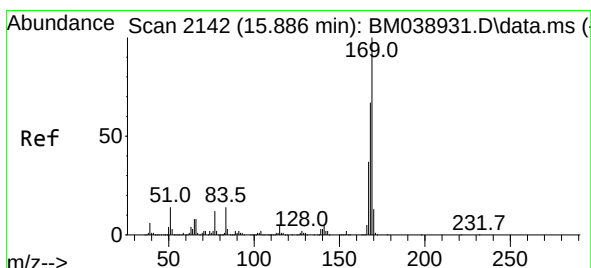
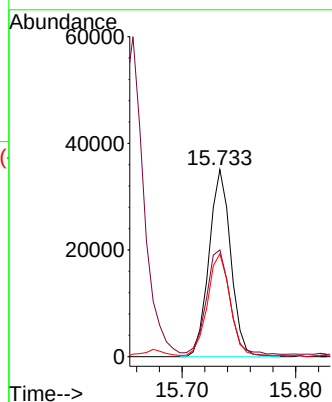
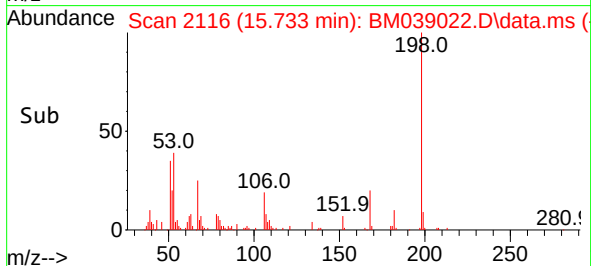
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:198 Resp: 46636
Ion Ratio Lower Upper
198 100
51 57.0 30.1 70.1
105 55.0 29.3 69.3

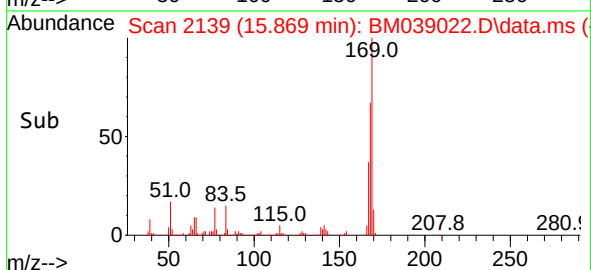
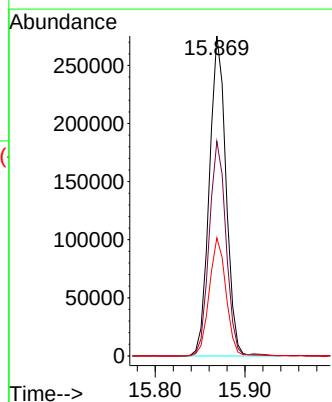
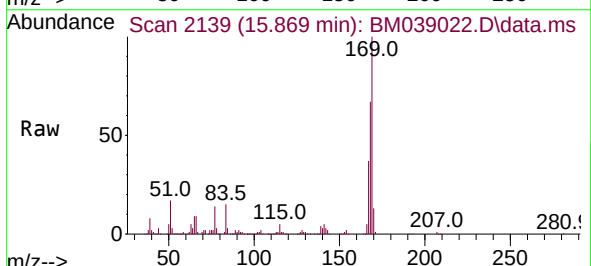
Manual Integrations
APPROVED

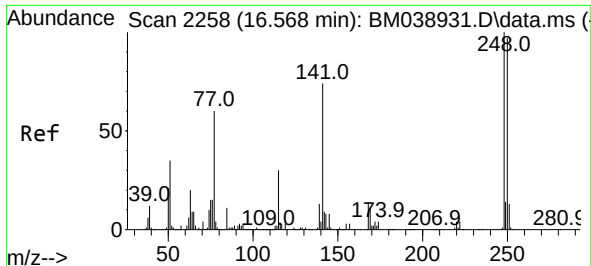
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#66
n-Nitrosodiphenylamine
Concen: 5.989 ng
RT: 15.869 min Scan# 2139
Delta R.T. -0.006 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

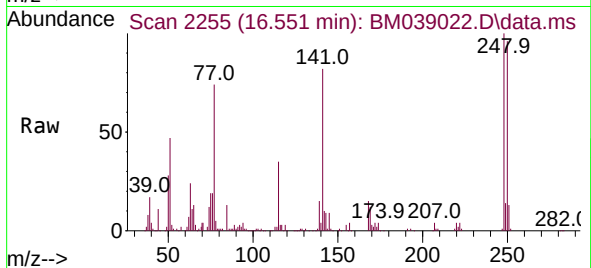
Tgt Ion:169 Resp: 354095
Ion Ratio Lower Upper
169 100
168 67.1 53.4 80.0
167 36.9 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 6.040 ng
RT: 16.551 min Scan# 2255
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

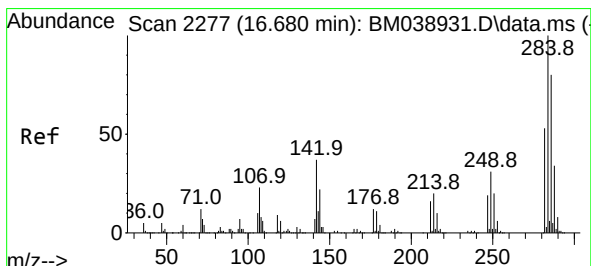
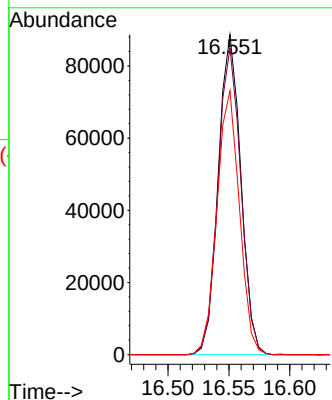
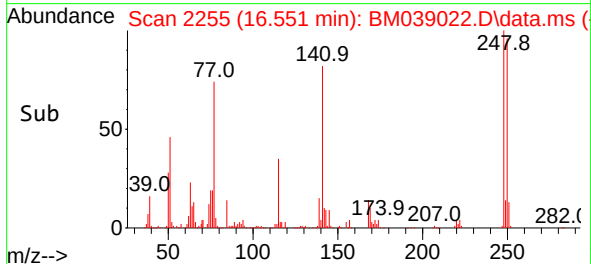
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



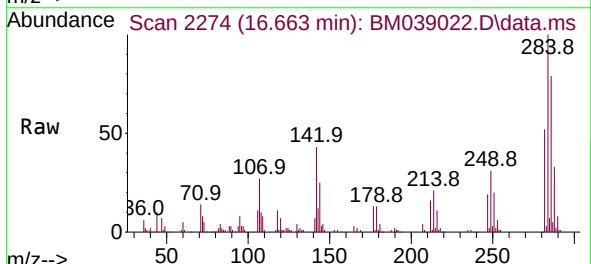
Tgt Ion:248 Resp: 114418
Ion Ratio Lower Upper
248 100
250 95.9 77.8 116.8
141 82.4 59.0 88.4

Manual Integrations
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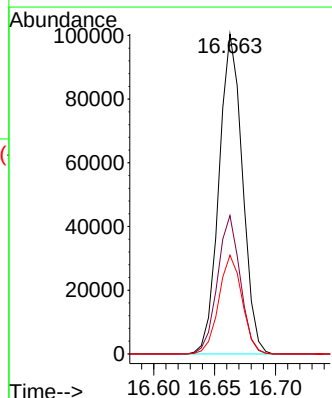
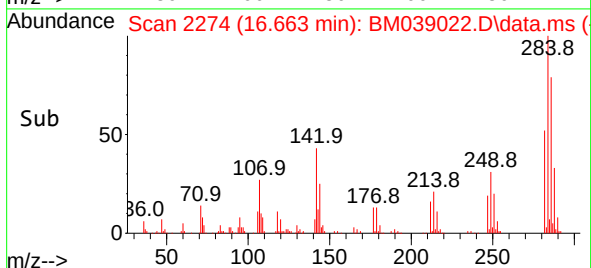
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

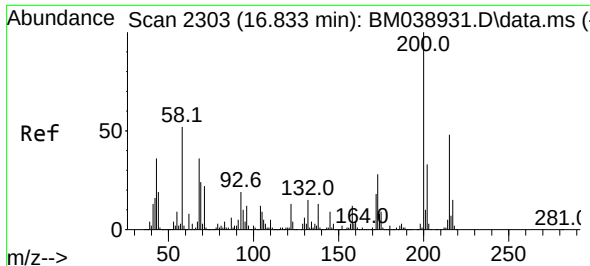


#68
Hexachlorobenzene
Concen: 6.344 ng
RT: 16.663 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51



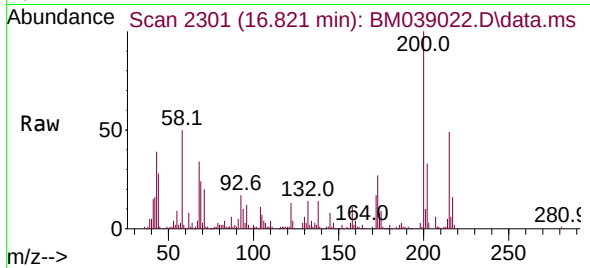
Tgt Ion:284 Resp: 134339
Ion Ratio Lower Upper
284 100
142 43.2 29.5 44.3
249 30.8 25.0 37.4





#69
 Atrazine
 Concen: 6.959 ng
 RT: 16.821 min Scan# 2301
 Delta R.T. 0.000 min
 Lab File: BM039022.D
 Acq: 16 Mar 2023 18:51

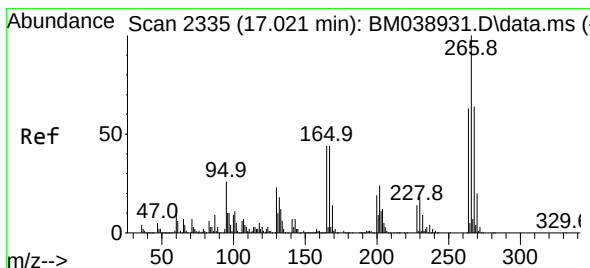
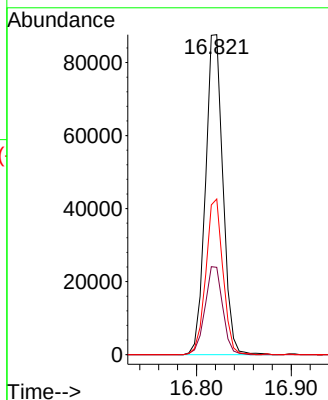
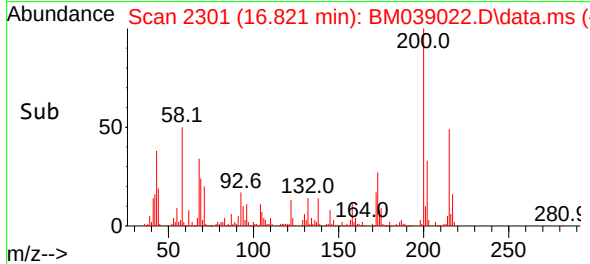
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023



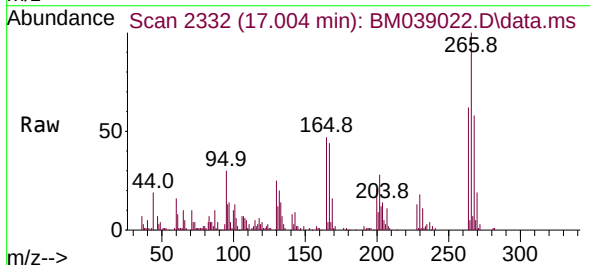
Tgt Ion:200 Resp: 112385
 Ion Ratio Lower Upper
 200 100
 173 27.3 8.2 48.2
 215 48.6 27.8 67.8

Manual Integrations
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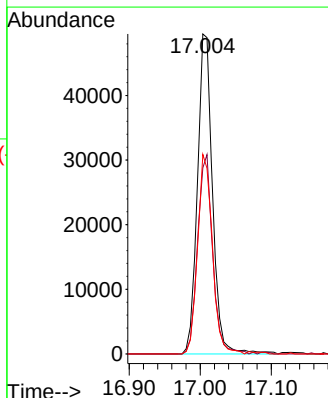
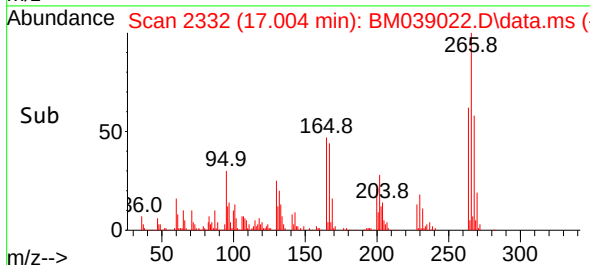
Reviewed By :Christian Giraldo 03/17/2023
 Supervised By :Jagrut Upadhyay 03/17/2023

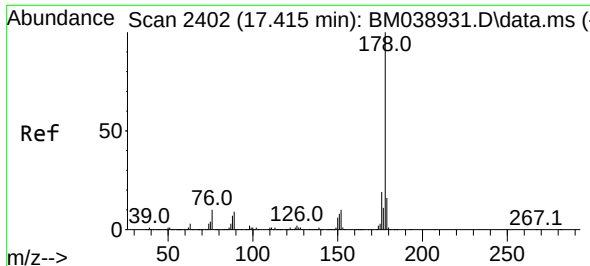


#70
 Pentachlorophenol
 Concen: 4.679 ng
 RT: 17.004 min Scan# 2332
 Delta R.T. -0.006 min
 Lab File: BM039022.D
 Acq: 16 Mar 2023 18:51



Tgt Ion:266 Resp: 72874
 Ion Ratio Lower Upper
 266 100
 268 58.1 51.0 76.4
 264 62.3 50.3 75.5





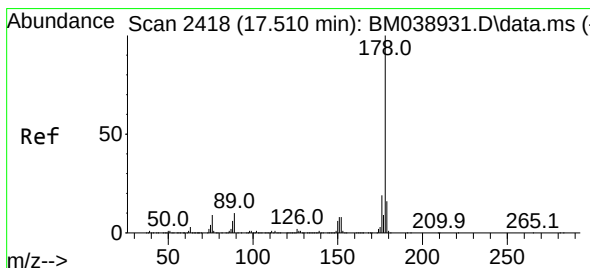
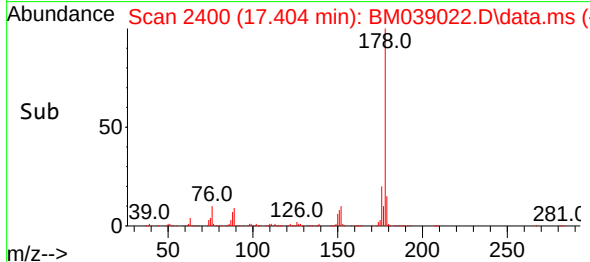
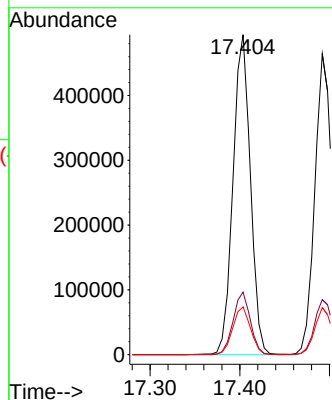
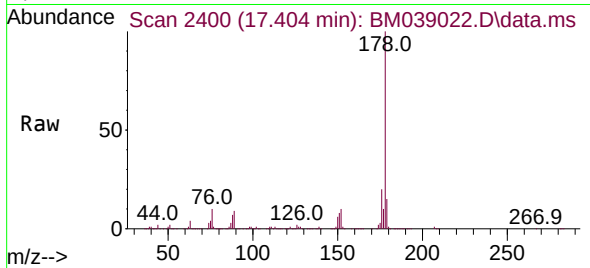
#71
Phenanthrene
Concen: 6.487 ng
RT: 17.404 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:178 Resp: 667752
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 14.9 12.5 18.7

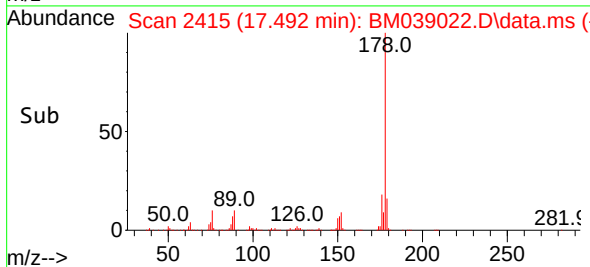
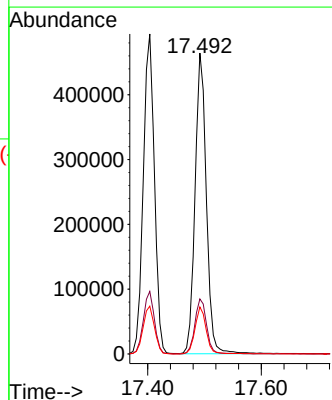
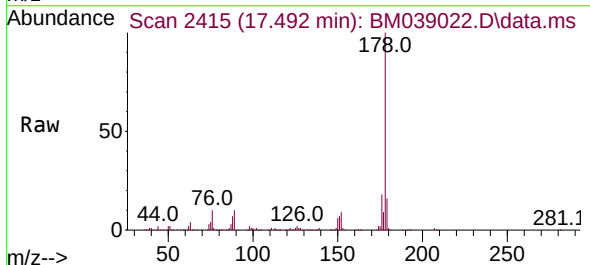
Manual Integrations
APPROVED

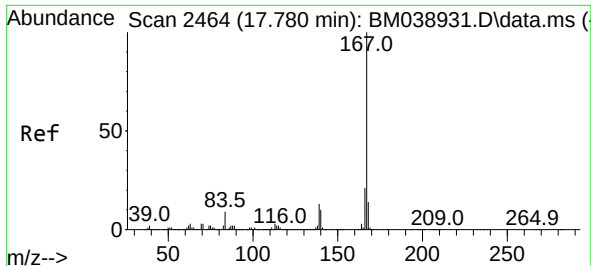
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#72
Anthracene
Concen: 6.201 ng
RT: 17.492 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

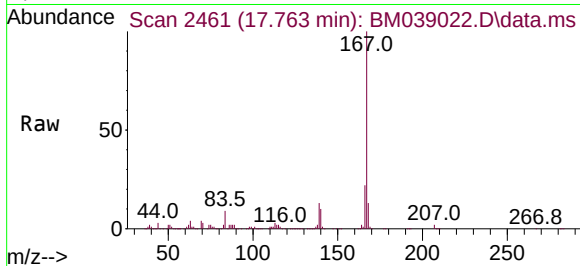
Tgt Ion:178 Resp: 636582
Ion Ratio Lower Upper
178 100
176 18.2 15.3 22.9
179 15.6 12.5 18.7





#73
 Carbazole
 Concen: 6.467 ng
 RT: 17.763 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: BM039022.D
 Acq: 16 Mar 2023 18:51

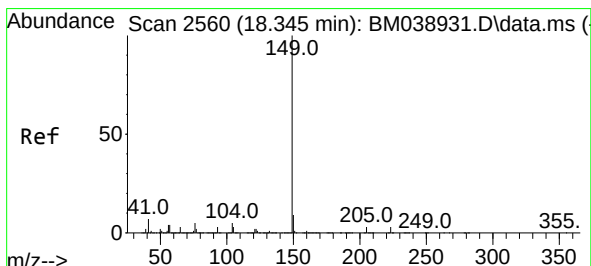
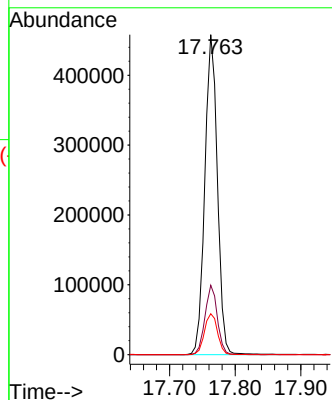
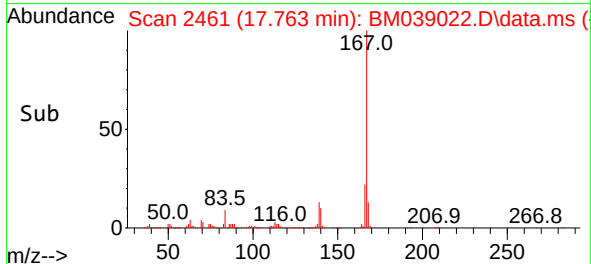
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023



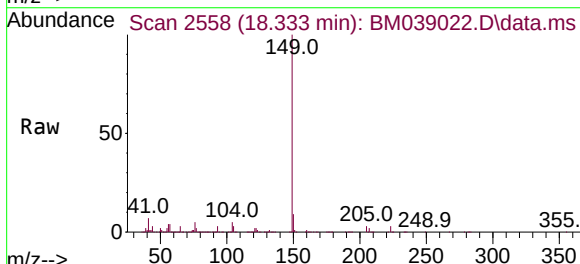
Tgt Ion:167 Resp: 60584
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.4
 139 12.8 10.3 15.5

Manual Integrations
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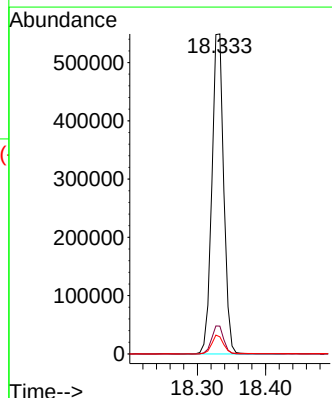
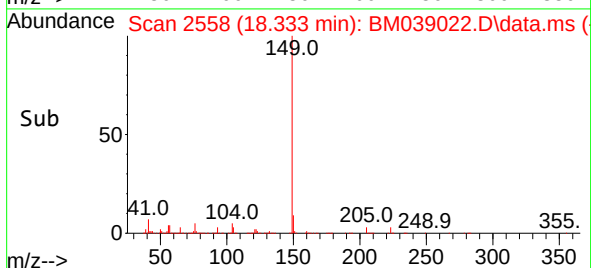
Reviewed By :Christian Giraldo 03/17/2023
 Supervised By :Jagrut Upadhyay 03/17/2023

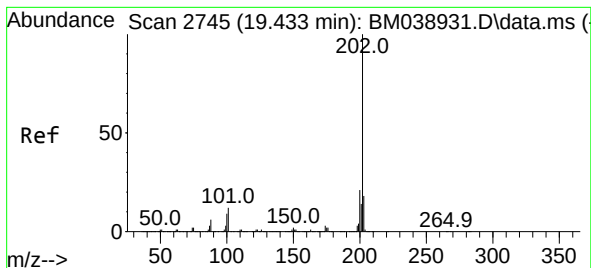


#74
 Di-n-butylphthalate
 Concen: 6.355 ng
 RT: 18.333 min Scan# 2558
 Delta R.T. 0.006 min
 Lab File: BM039022.D
 Acq: 16 Mar 2023 18:51



Tgt Ion:149 Resp: 661320
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.4 11.2
 104 5.3 4.3 6.5





#75

Fluoranthene

Concen: 6.349 ng

RT: 19.415 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039022.D

Acq: 16 Mar 2023 18:51

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:202 Resp: 690002

Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.7

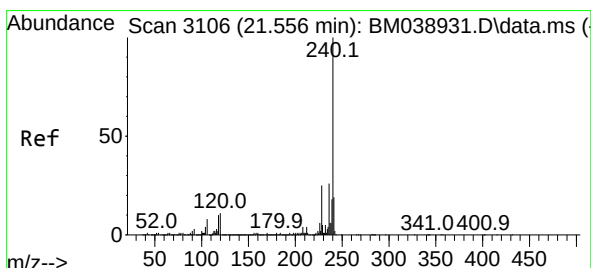
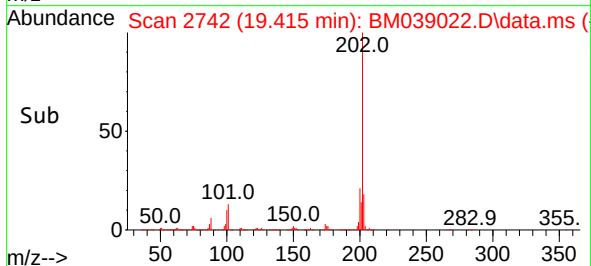
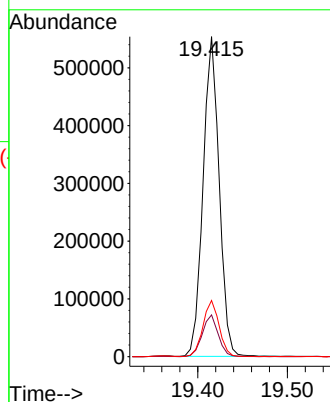
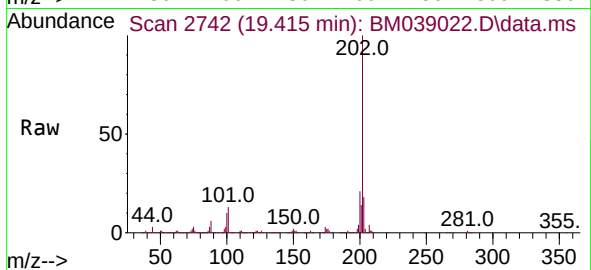
203 17.5 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.545 min Scan# 3104

Delta R.T. 0.006 min

Lab File: BM039022.D

Acq: 16 Mar 2023 18:51

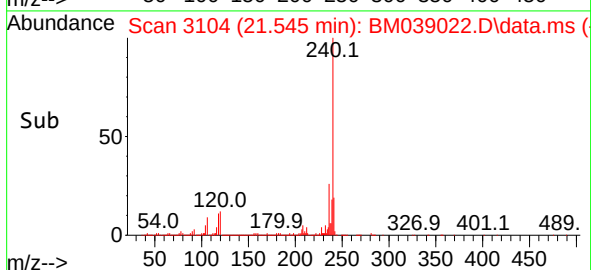
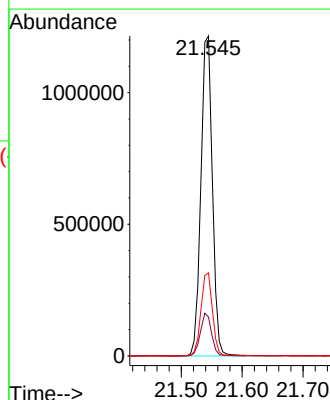
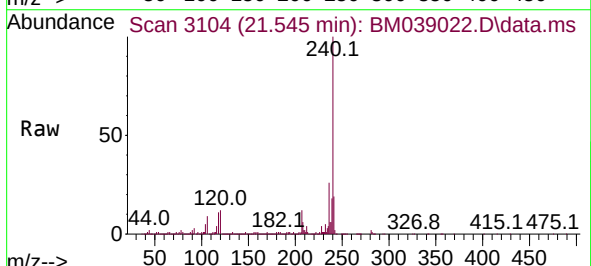
Tgt Ion:240 Resp: 1592007

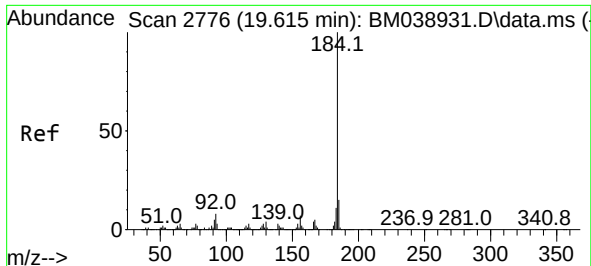
Ion Ratio Lower Upper

240 100

120 12.1 9.2 13.8

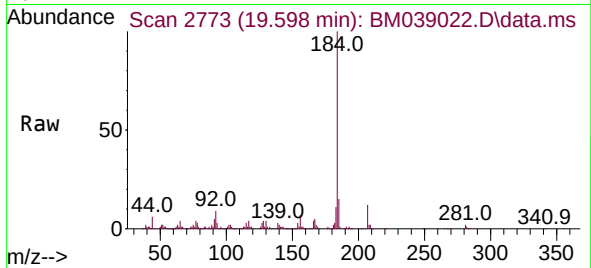
236 25.9 20.8 31.2





#77
Benzidine
Concen: 10.320 ng
RT: 19.598 min Scan# 2773
Delta R.T. -0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

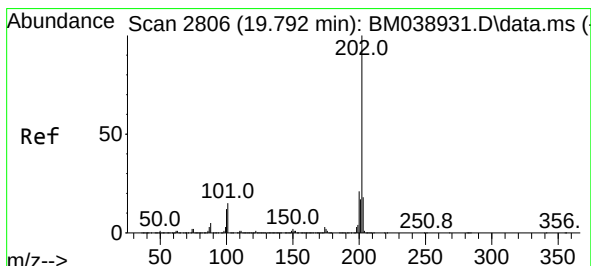
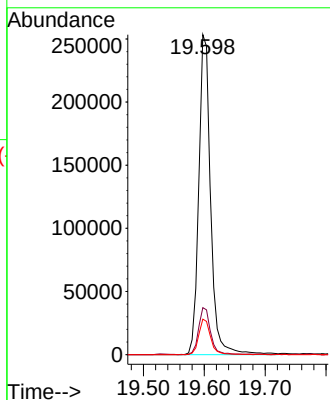
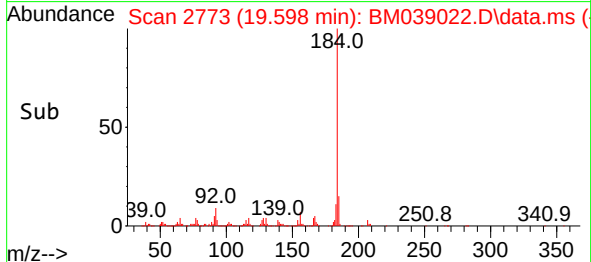
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



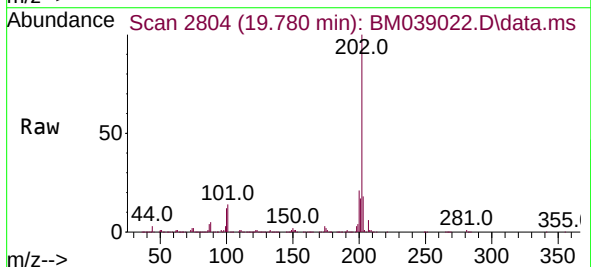
Tgt Ion:184 Resp: 342410
Ion Ratio Lower Upper
184 100
185 14.7 12.2 18.4
183 11.1 8.8 13.2

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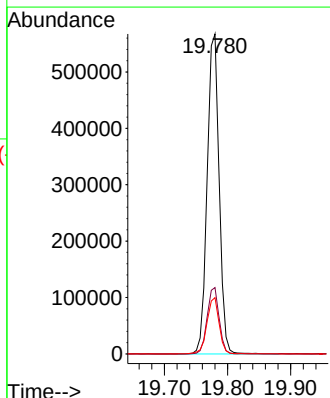
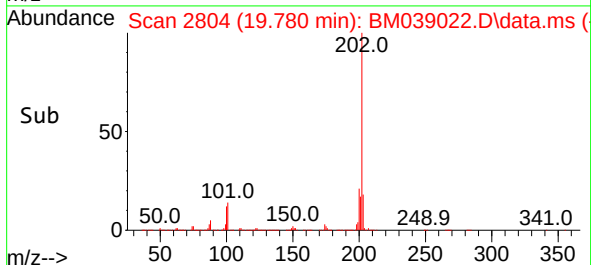
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

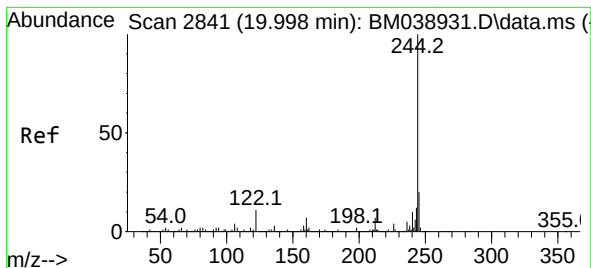


#78
Pyrene
Concen: 6.237 ng
RT: 19.780 min Scan# 2804
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51



Tgt Ion:202 Resp: 745752
Ion Ratio Lower Upper
202 100
200 20.7 17.1 25.7
203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 79.792 ng

RT: 19.986 min Scan# 2841

Delta R.T. 0.006 min

Lab File: BM039022.D

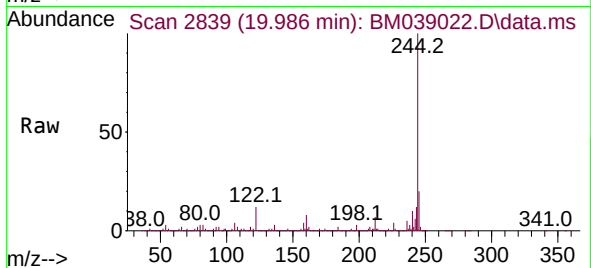
Acq: 16 Mar 2023 18:51

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:244 Resp: 6947872

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

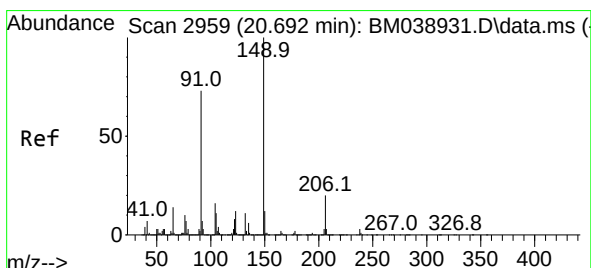
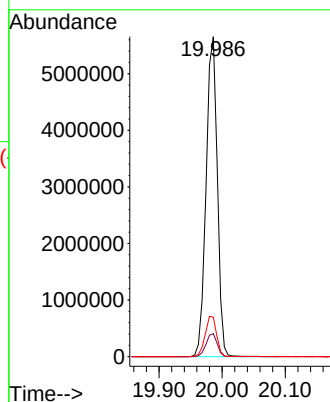
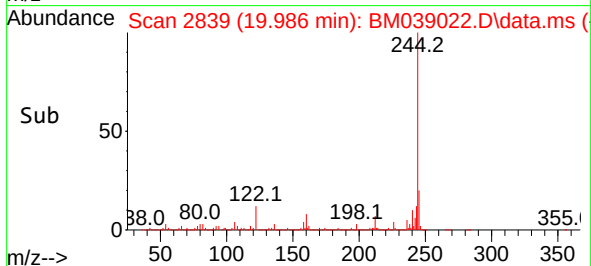
122 12.3 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#80

Butylbenzylphthalate

Concen: 6.145 ng

RT: 20.674 min Scan# 2956

Delta R.T. 0.000 min

Lab File: BM039022.D

Acq: 16 Mar 2023 18:51

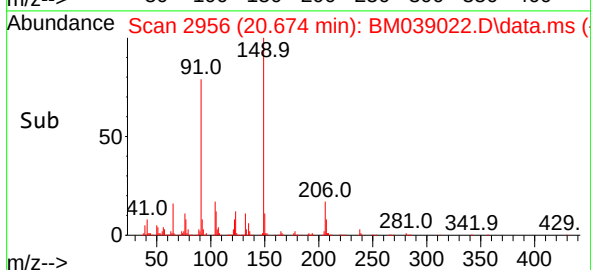
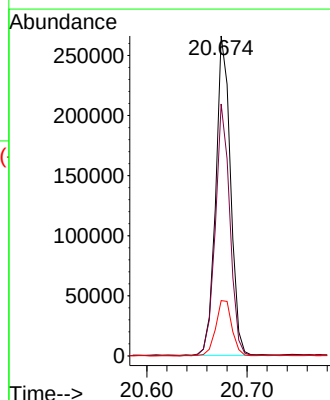
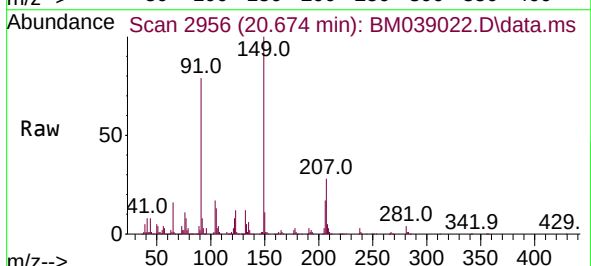
Tgt Ion:149 Resp: 272895

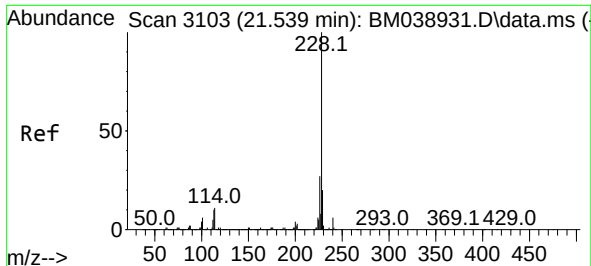
Ion Ratio Lower Upper

149 100

91 78.7 58.4 87.6

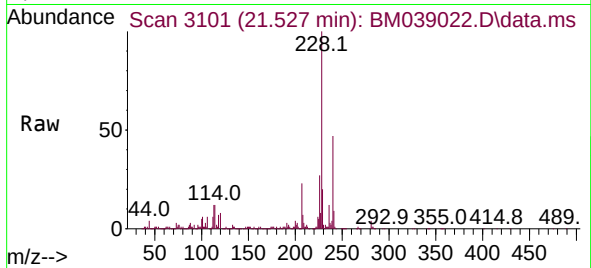
206 17.3 16.1 24.1





#81
Benzo(a)anthracene
Concen: 6.306 ng
RT: 21.527 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

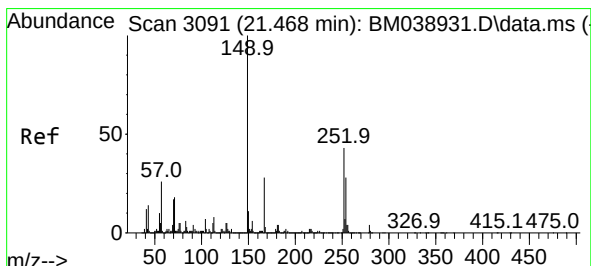
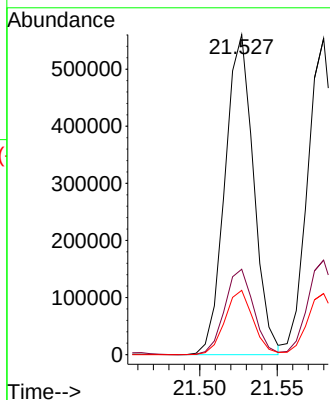
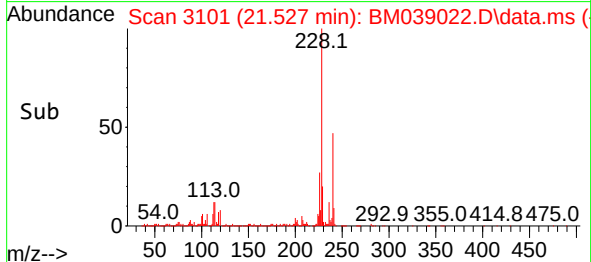
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



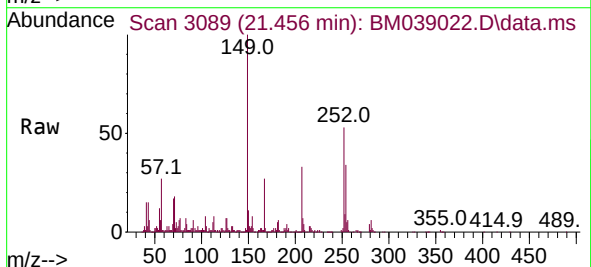
Tgt Ion:228 Resp: 722936
Ion Ratio Lower Upper
228 100
226 26.7 21.4 32.2
229 20.1 15.7 23.5

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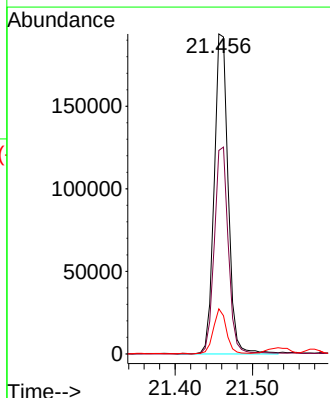
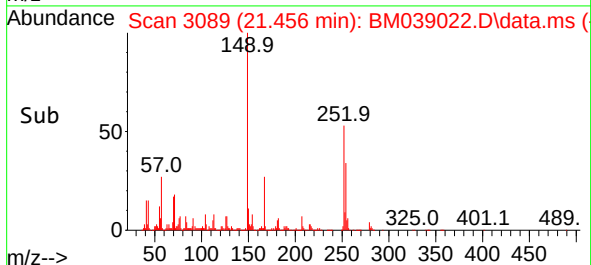
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

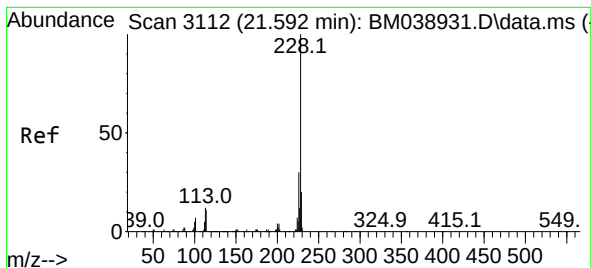


#82
3,3'-Dichlorobenzidine
Concen: 6.893 ng
RT: 21.456 min Scan# 3089
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51



Tgt Ion:252 Resp: 242883
Ion Ratio Lower Upper
252 100
254 63.6 51.5 77.3
126 14.1 9.9 14.9





#83

Chrysene

Concen: 6.348 ng

RT: 21.580 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BM039022.D

Acq: 16 Mar 2023 18:51

Instrument :

BNA_M

ClientSampleId :

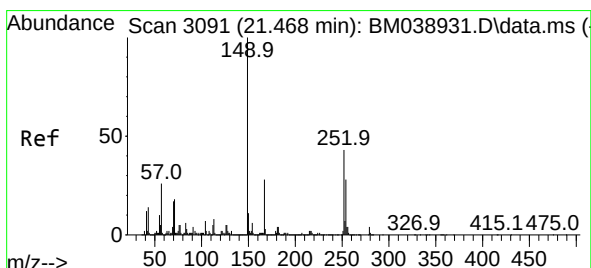
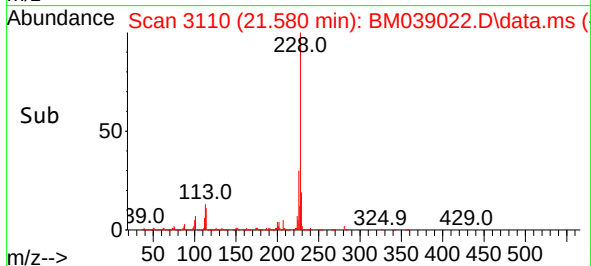
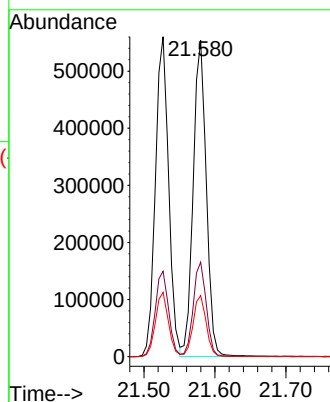
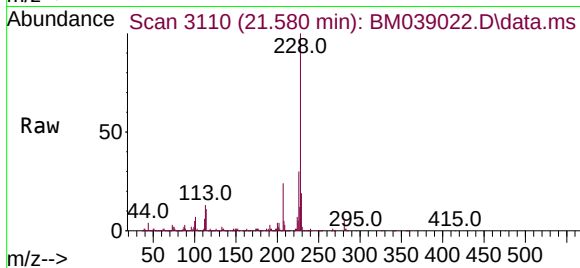
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:228 Resp: 707846
 Ion Ratio Lower Upper
 228 100
 226 29.9 24.0 36.0
 229 19.3 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2023
 Supervised By :Jagrut Upadhyay 03/17/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.177 ng

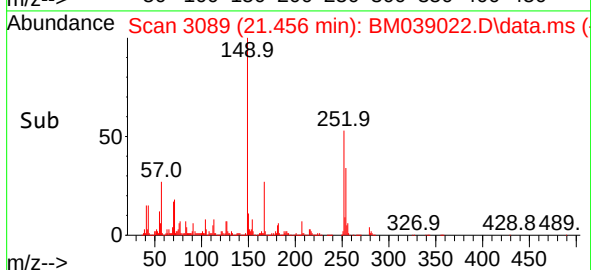
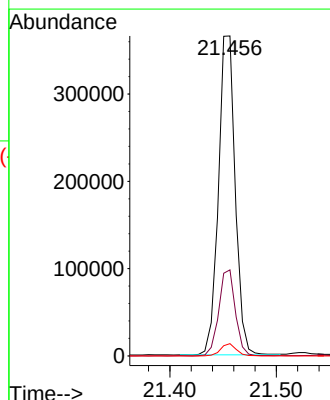
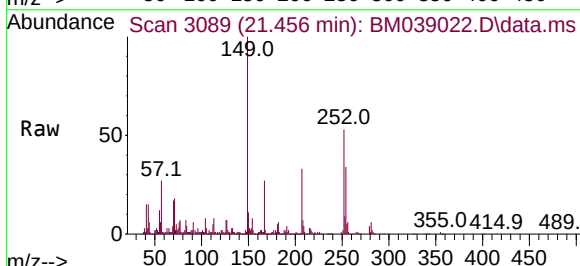
RT: 21.456 min Scan# 3089

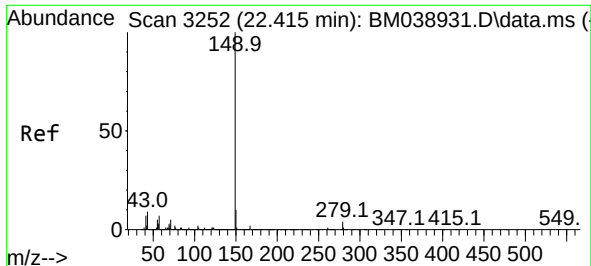
Delta R.T. 0.006 min

Lab File: BM039022.D

Acq: 16 Mar 2023 18:51

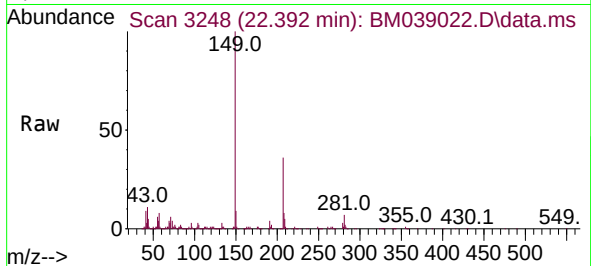
Tgt Ion:149 Resp: 402551
 Ion Ratio Lower Upper
 149 100
 167 26.9 22.3 33.5
 279 3.8 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 5.489 ng
RT: 22.392 min Scan# 31
Delta R.T. 0.001 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

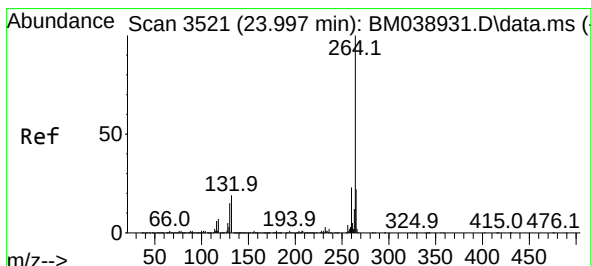
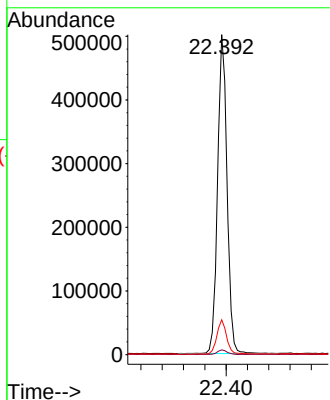
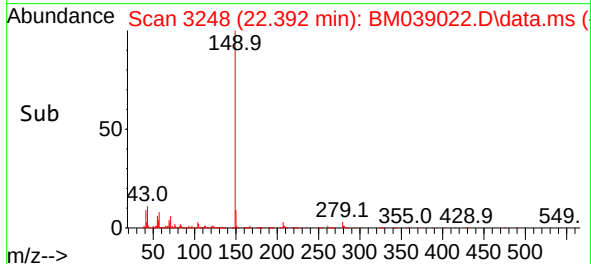
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:149 Resp: 617833
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.8 7.4 11.2

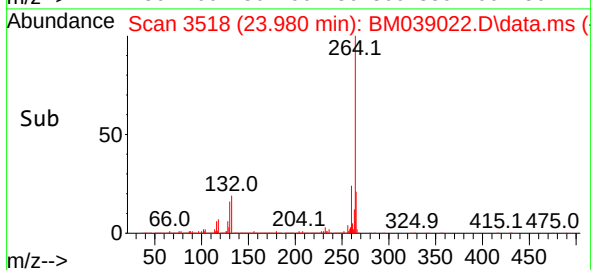
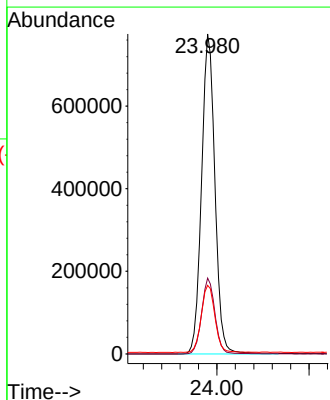
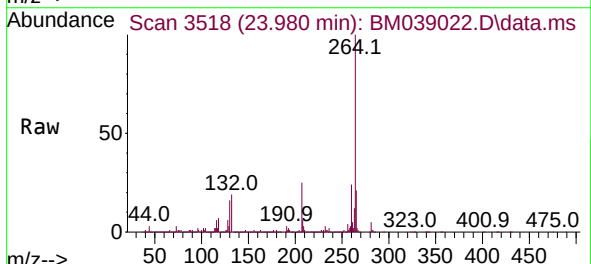
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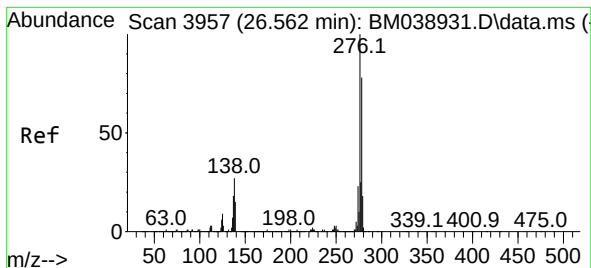
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.980 min Scan# 3518
Delta R.T. 0.000 min
Lab File: BM039022.D
Acq: 16 Mar 2023 18:51

Tgt Ion:264 Resp: 1553909
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 21.4 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.527 ng

RT: 26.509 min Scan# 3948

Delta R.T. -0.012 min

Lab File: BM039022.D

Acq: 16 Mar 2023 18:51

Instrument :

BNA_M

ClientSampleId :

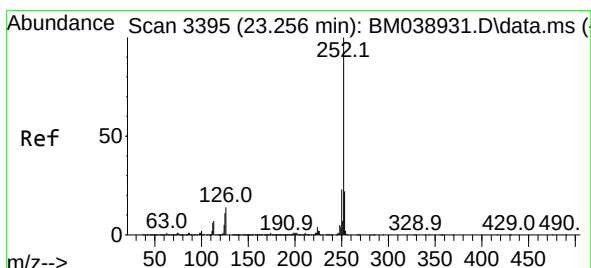
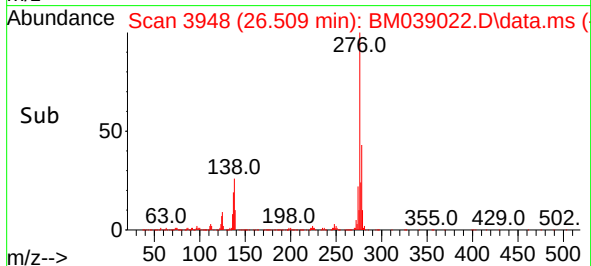
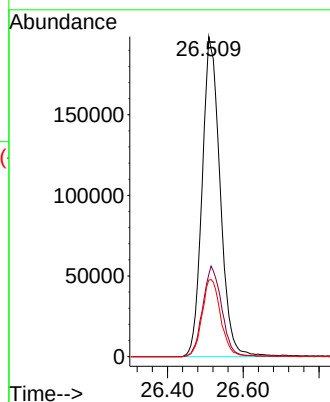
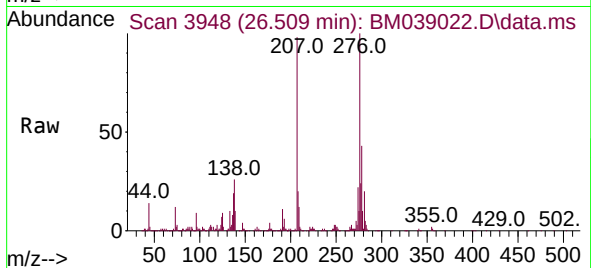
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:	276	Resp:	65352
Ion Ratio	Lower	Upper	
276	100		
138	29.6	22.1	33.1
277	25.0	20.1	30.1

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#88

Benzo(b)fluoranthene

Concen: 6.558 ng

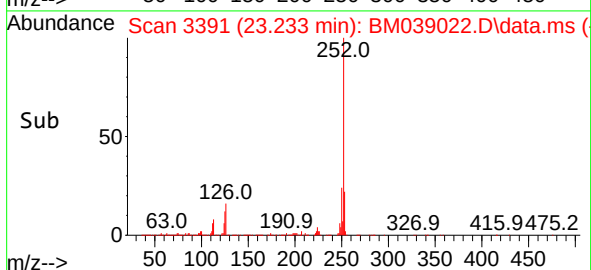
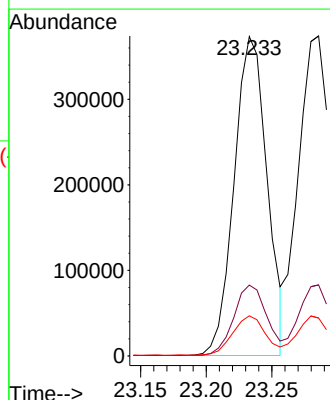
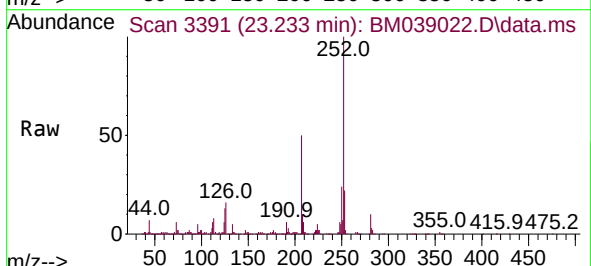
RT: 23.233 min Scan# 3391

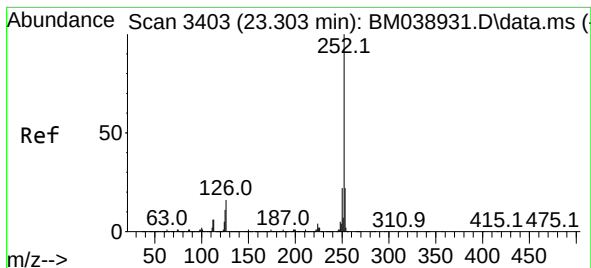
Delta R.T. -0.006 min

Lab File: BM039022.D

Acq: 16 Mar 2023 18:51

Tgt Ion:	252	Resp:	651086
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.6	26.4
125	12.6	8.8	13.2





#89

Benzo(k)fluoranthene

Concen: 6.543 ng

RT: 23.286 min Scan# 34

Delta R.T. 0.000 min

Lab File: BM039022.D

Acq: 16 Mar 2023 18:51

Instrument :

BNA_M

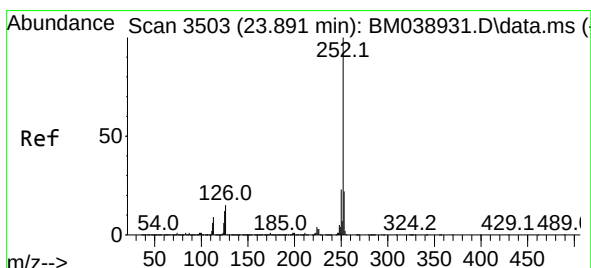
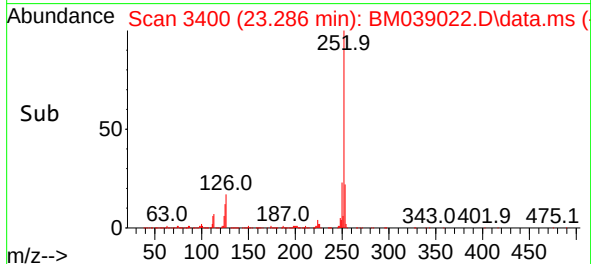
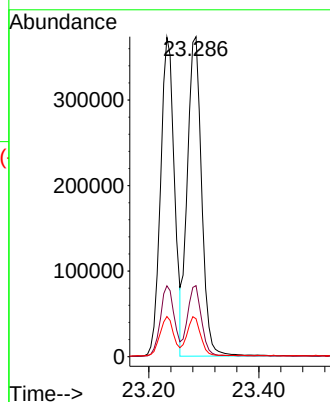
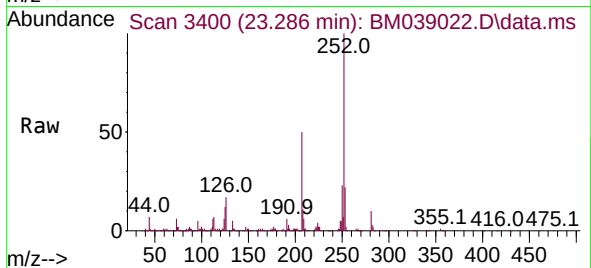
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:252 Resp: 676001
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.5 26.3
 125 11.9 8.9 13.3

Manual Integrations
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Reviewed By :Christian Giraldo 03/17/2023
 Supervised By :Jagrut Upadhyay 03/17/2023



#90

Benzo(a)pyrene

Concen: 5.606 ng

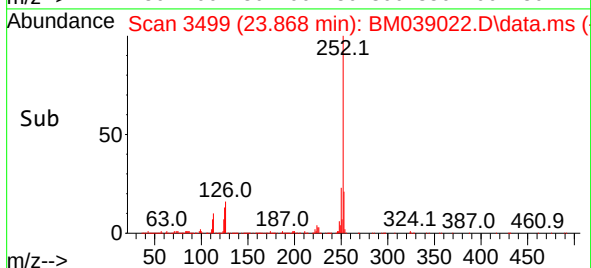
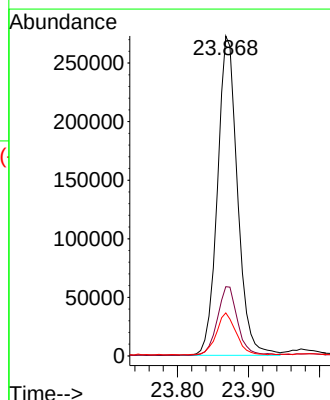
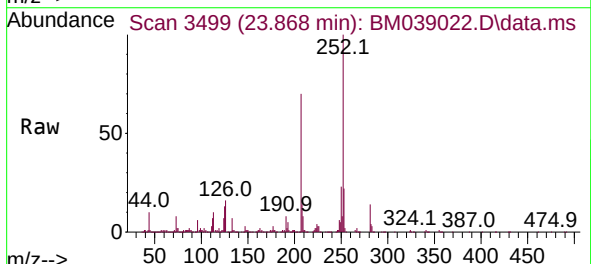
RT: 23.868 min Scan# 3499

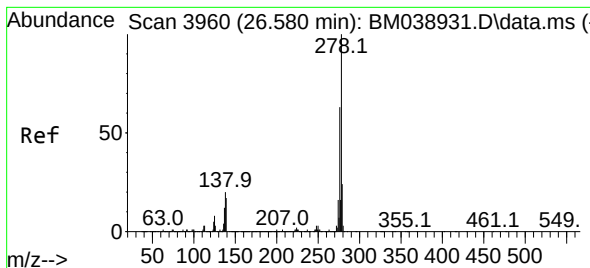
Delta R.T. -0.006 min

Lab File: BM039022.D

Acq: 16 Mar 2023 18:51

Tgt Ion:252 Resp: 535654
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.6 26.4
 125 13.4 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 5.522 ng

RT: 26.538 min Scan# 39

Delta R.T. 0.000 min

Lab File: BM039022.D

Acq: 16 Mar 2023 18:51

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

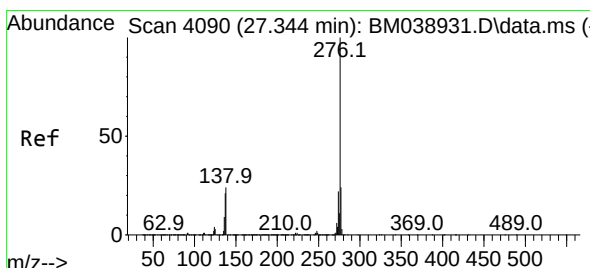
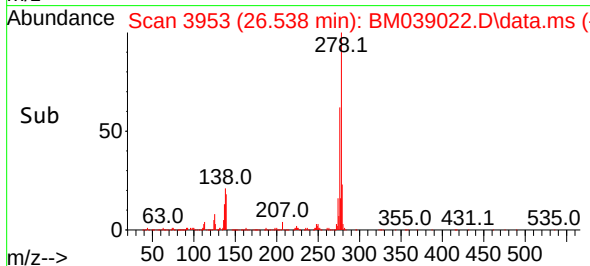
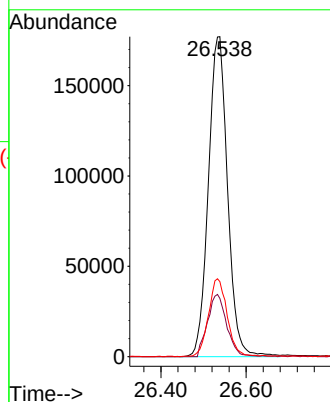
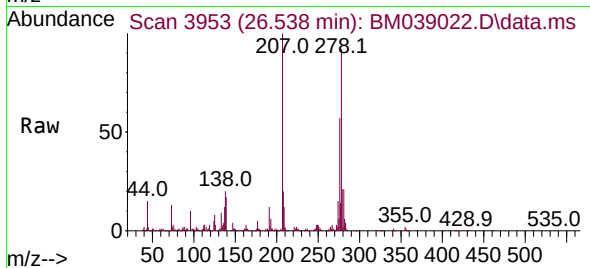
Tgt Ion:	278	Resp:	55295
Ion Ratio	Lower	Upper	
278	100		
139	18.2	13.7	20.5
279	23.4	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#92

Benzo(g,h,i)perylene

Concen: 5.310 ng

RT: 27.297 min Scan# 4082

Delta R.T. -0.006 min

Lab File: BM039022.D

Acq: 16 Mar 2023 18:51

Tgt Ion:	276	Resp:	520186
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.3	28.9
138	25.1	19.0	28.6

