

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031623\
 Data File : BM039021.D
 Acq On : 16 Mar 2023 18:13
 Operator : CG/JU
 Sample : 01627-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Mar 17 06:17:45 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	324072	20.000	ng	0.00
21) Naphthalene-d8	10.792	136	1303163	20.000	ng	0.00
39) Acenaphthene-d10	14.616	164	754455	20.000	ng	0.00
64) Phenanthrene-d10	17.362	188	1493343	20.000	ng	0.00
76) Chrysene-d12	21.539	240	1235775	20.000	ng	0.00
86) Perylene-d12	23.980	264	1252468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2225635	104.341	ng	0.00
7) Phenol-d6	7.134	99	2904283	104.824	ng	0.00
23) Nitrobenzene-d5	9.145	82	2032811	76.624	ng	0.00
42) 2,4,6-Tribromophenol	16.104	330	853946	97.842	ng	0.00
45) 2-Fluorobiphenyl	13.245	172	4090893	70.588	ng	0.00
79) Terphenyl-d14	19.980	244	5231773	77.404	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.399	88	35364	3.727	ng	98
3) Pyridine	3.816	79	69353m	2.635	ng	
4) n-Nitrosodimethylamine	3.716	42	37205	3.474	ng	# 94
6) Aniline	7.304	93	122383	3.364	ng	96
8) 2-Chlorophenol	7.534	128	78896	3.474	ng	94
9) Benzaldehyde	7.110	77	82118m	6.228	ng	
10) Phenol	7.157	94	105052	3.570	ng	90
11) bis(2-Chloroethyl)ether	7.398	93	82857	3.464	ng	97
12) 1,3-Dichlorobenzene	7.863	146	86581	3.588	ng	98
13) 1,4-Dichlorobenzene	8.010	146	88528	3.607	ng	97
14) 1,2-Dichlorobenzene	8.334	146	85173	3.603	ng	99
15) Benzyl Alcohol	8.216	79	68012	3.425	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.510	45	119178	3.945	ng	99
17) 2-Methylphenol	8.416	107	61770	3.056	ng	99
18) Hexachloroethane	9.063	117	31724	3.503	ng	93
19) n-Nitroso-di-n-propyla...	8.786	70	62892	3.604	ng	98
20) 3+4-Methylphenols	8.745	107	79280	2.938	ng	98
22) Acetophenone	8.804	105	127350	3.483	ng	# 98
24) Nitrobenzene	9.186	77	104688	3.754	ng	99
25) Isophorone	9.710	82	159709	3.271	ng	97
26) 2-Nitrophenol	9.898	139	31042	2.817	ng	94
27) 2,4-Dimethylphenol	9.957	122	65810	3.094	ng	98
28) bis(2-Chloroethoxy)met...	10.198	93	107399	3.424	ng	99
29) 2,4-Dichlorophenol	10.433	162	57650	2.859	ng	98
30) 1,2,4-Trichlorobenzene	10.651	180	72007	3.267	ng	99
31) Naphthalene	10.839	128	249445	3.357	ng	99
33) 4-Chloroaniline	10.951	127	95657	3.021	ng	99
34) Hexachlorobutadiene	11.128	225	39279	3.108	ng	97
35) Caprolactam	11.716	113	16911m	2.755	ng	
36) 4-Chloro-3-methylphenol	12.063	107	62558	2.913	ng	93
37) 2-Methylnaphthalene	12.445	142	159042	3.193	ng	100
38) 1-Methylnaphthalene	12.663	142	148588	3.184	ng	98
40) 1,2,4,5-Tetrachloroben...	12.810	216	76869	3.134	ng	99
41) Hexachlorocyclopentadiene	12.792	237	43568	3.236	ng	98
43) 2,4,6-Trichlorophenol	13.051	196	40955	2.579	ng	97
44) 2,4,5-Trichlorophenol	13.116	196	46456	2.499	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031623\
 Data File : BM039021.D
 Acq On : 16 Mar 2023 18:13
 Operator : CG/JU
 Sample : 01627-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Mar 17 06:17:45 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

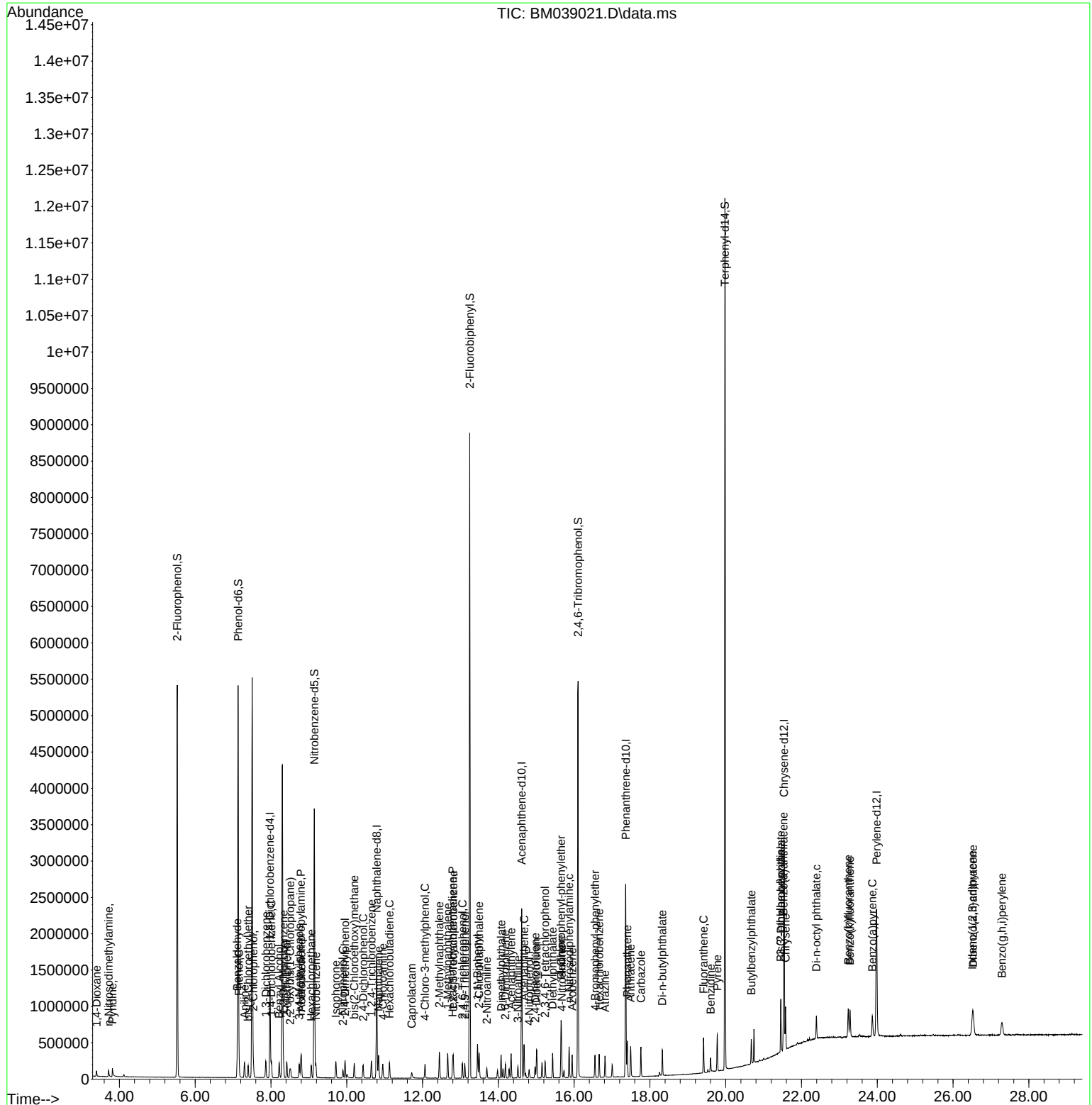
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.451	154	221462	3.465	ng	99
47) 2-Chloronaphthalene	13.492	162	159689	3.313	ng	97
48) 2-Nitroaniline	13.698	65	37192	2.687	ng	94
49) Acenaphthylene	14.339	152	226135	2.946	ng	98
50) Dimethylphthalate	14.074	163	184944	3.186	ng	99
51) 2,6-Dinitrotoluene	14.186	165	28883	2.447	ng	# 66
52) Acenaphthene	14.680	154	150135	3.182	ng	99
53) 3-Nitroaniline	14.516	138	32714	2.391	ng	86
55) Dibenzofuran	15.010	168	238657	3.233	ng	99
56) 4-Nitrophenol	14.816	139	24076	2.088	ng	88
57) 2,4-Dinitrotoluene	14.974	165	33487	2.215	ng	# 81
58) Fluorene	15.663	166	182439	3.155	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.233	232	40572	2.830	ng	97
60) Diethylphthalate	15.433	149	172947	3.062	ng	99
61) 4-Chlorophenyl-phenyle...	15.657	204	88180	3.104	ng	96
62) 4-Nitroaniline	15.674	138	29602	2.168	ng	89
63) Azobenzene	15.951	77	173990	2.911	ng	99
66) n-Nitrosodiphenylamine	15.868	169	145746	2.895	ng	99
67) 4-Bromophenyl-phenylether	16.551	248	48329	2.996	ng	93
68) Hexachlorobenzene	16.662	284	57028	3.163	ng	98
69) Atrazine	16.815	200	41765	3.037	ng	97
71) Phenanthrene	17.404	178	282563	3.224	ng	98
72) Anthracene	17.492	178	252112	2.884	ng	99
73) Carbazole	17.762	167	232410	2.913	ng	98
74) Di-n-butylphthalate	18.327	149	238434	2.691	ng	99
75) Fluoranthene	19.415	202	269932	2.917	ng	98
77) Benzidine	19.603	184	105705	4.104	ng	99
78) Pyrene	19.780	202	290193	3.127	ng	98
80) Butylbenzylphthalate	20.674	149	89383	2.593	ng	95
81) Benzo(a)anthracene	21.527	228	272667	3.064	ng	99
82) 3,3'-Dichlorobenzidine	21.456	252	81722	2.988	ng	99
83) Chrysene	21.580	228	274806	3.175	ng	99
84) Bis(2-ethylhexyl)phtha...	21.450	149	128984	2.550	ng	97
85) Di-n-octyl phthalate	22.391	149	193411	2.214	ng	# 95
87) Indeno(1,2,3-cd)pyrene	26.509	276	265153	2.782	ng	96
88) Benzo(b)fluoranthene	23.233	252	252247	3.152	ng	98
89) Benzo(k)fluoranthene	23.280	252	258206	3.101	ng	98
90) Benzo(a)pyrene	23.868	252	203601	2.644	ng	# 97
91) Dibenzo(a,h)anthracene	26.527	278	229087	2.838	ng	96
92) Benzo(g,h,i)perylene	27.291	276	222851	2.822	ng	97

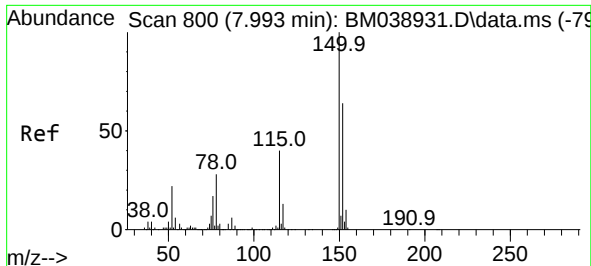
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Manual Integrations

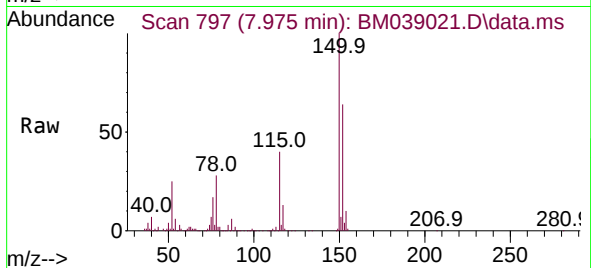
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

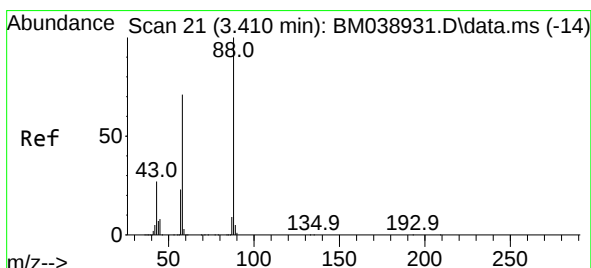
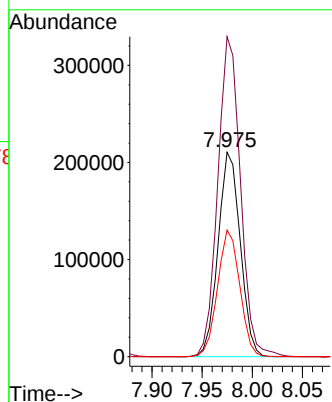
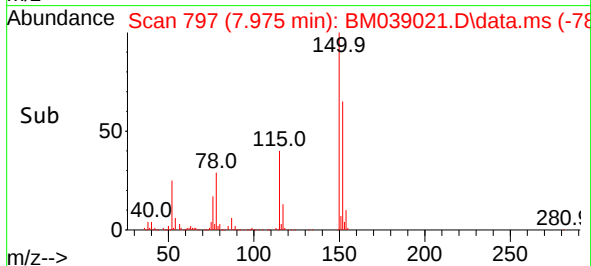
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 152 Resp: 324072
Ion Ratio Lower Upper
152 100
150 156.6 125.1 187.7
115 61.9 49.6 74.4

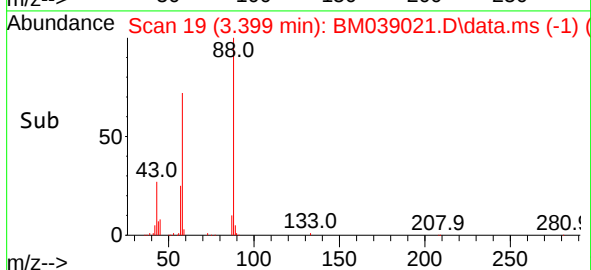
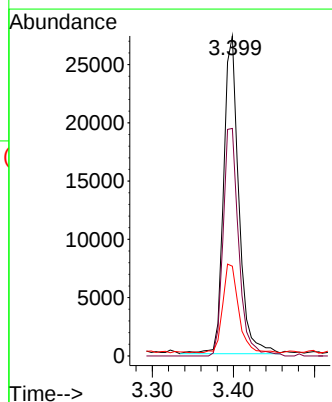
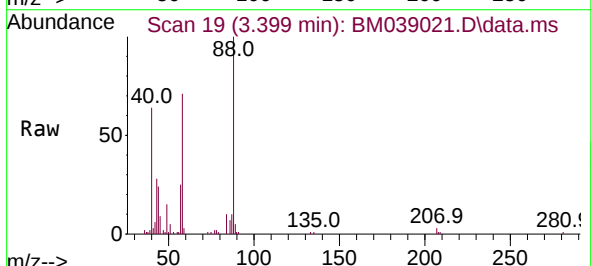
Manual Integrations
APPROVED

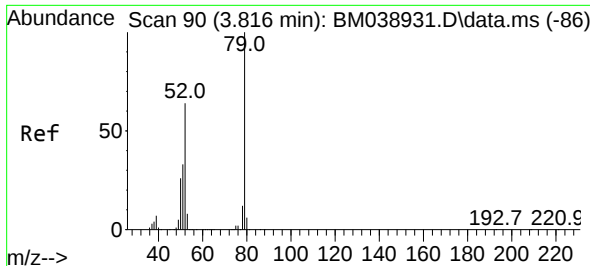
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#2
1,4-Dioxane
Concen: 3.727 ng
RT: 3.399 min Scan# 19
Delta R.T. 0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

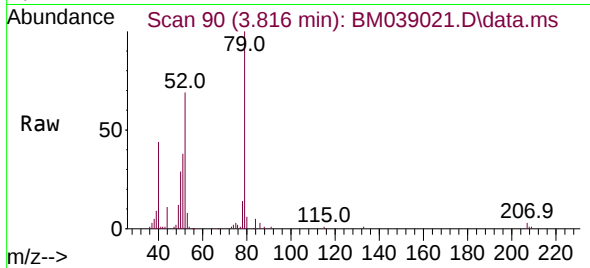
Tgt Ion: 88 Resp: 35364
Ion Ratio Lower Upper
88 100
58 73.4 57.2 85.8
43 29.1 22.0 33.0





#3
Pyridine
Concen: 2.635 ng m
RT: 3.816 min Scan# 90
Delta R.T. 0.012 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

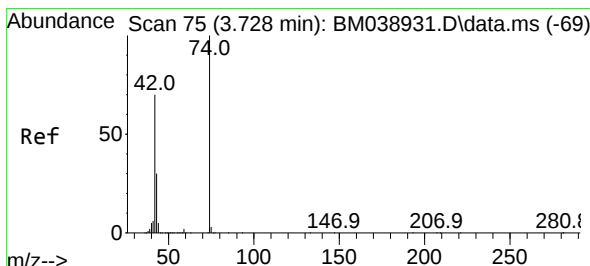
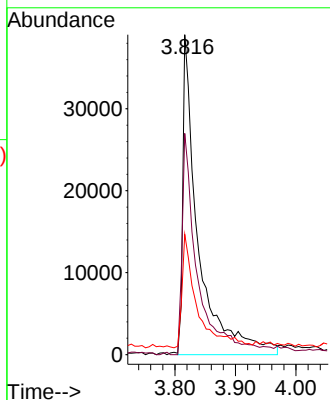
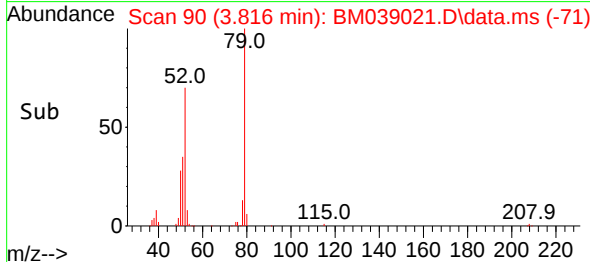
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



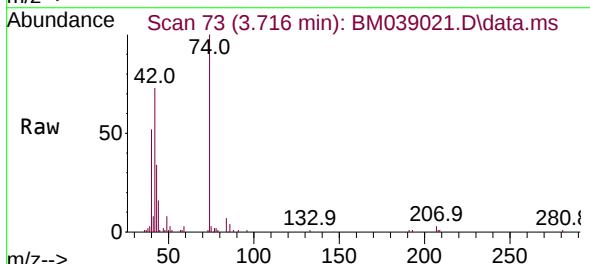
Tgt Ion: 79 Resp: 6935
Ion Ratio Lower Upper
79 100
52 69.1 51.4 77.2
51 37.6 26.6 40.0

Manual Integrations
APPROVED

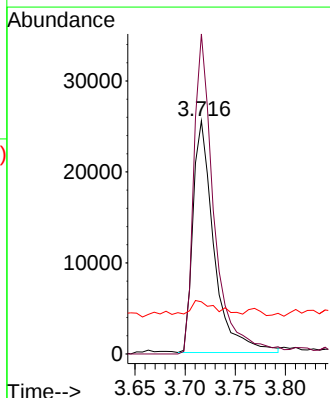
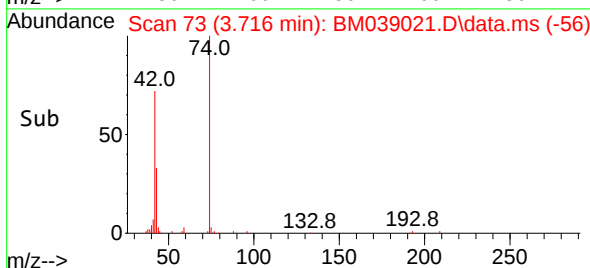
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

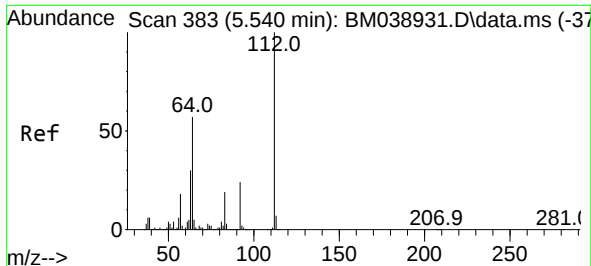


#4
n-Nitrosodimethylamine
Concen: 3.474 ng
RT: 3.716 min Scan# 73
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13



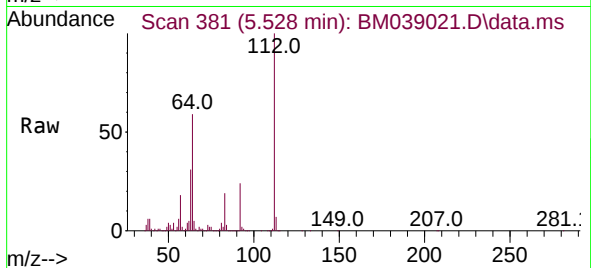
Tgt Ion: 42 Resp: 37205
Ion Ratio Lower Upper
42 100
74 137.3 113.8 170.8
44 22.4 6.2 9.2





#5
2-Fluorophenol
Concen: 104.341 ng
RT: 5.528 min Scan# 381
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

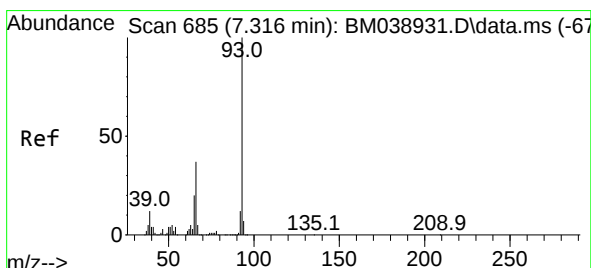
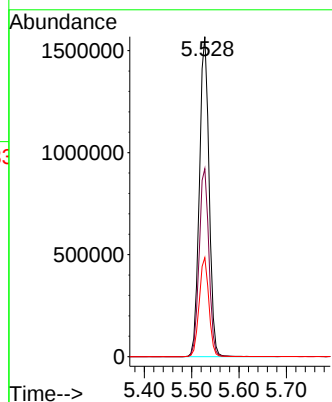
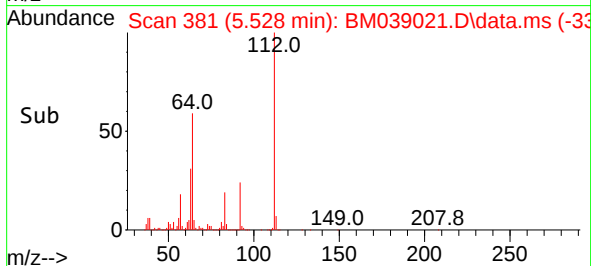
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:112 Resp: 2225635
Ion Ratio Lower Upper
112 100
64 58.7 45.9 68.9
63 30.9 23.8 35.8

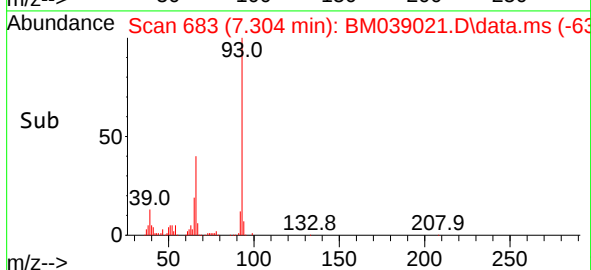
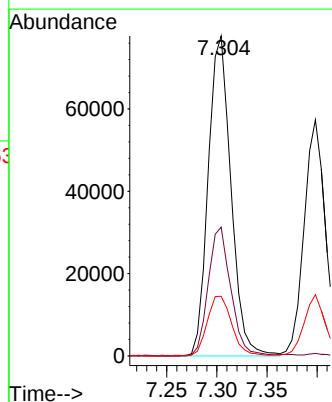
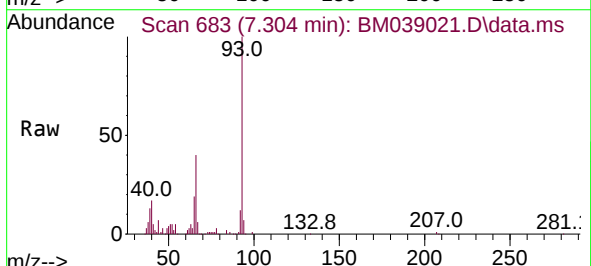
Manual Integrations
APPROVED

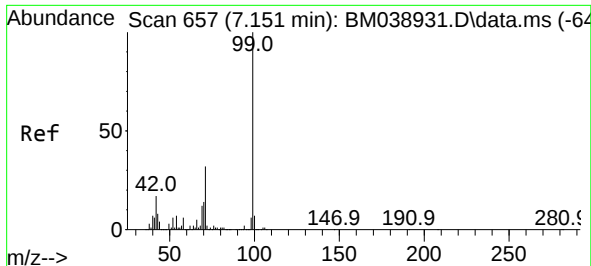
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#6
Aniline
Concen: 3.364 ng
RT: 7.304 min Scan# 683
Delta R.T. 0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion: 93 Resp: 122383
Ion Ratio Lower Upper
93 100
66 40.2 30.0 45.0
65 18.6 15.8 23.6





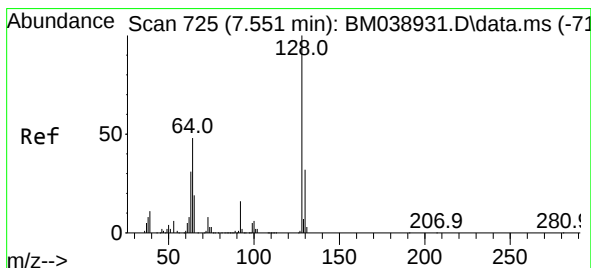
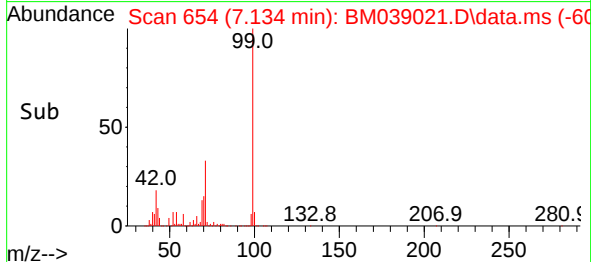
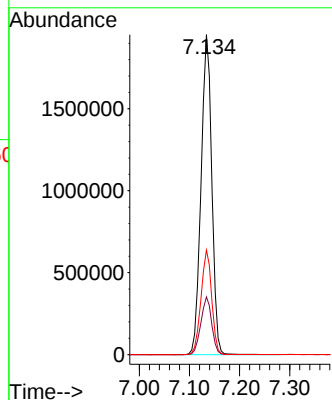
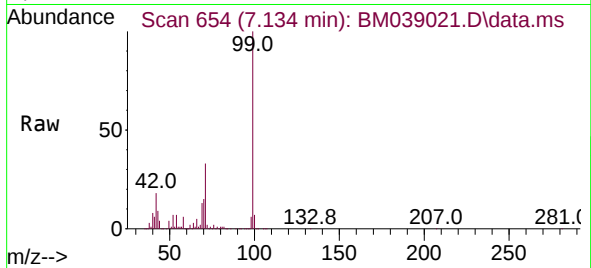
#7
Phenol-d6
Concen: 104.824 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

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

Tgt Ion: 99 Resp: 2904283
Ion Ratio Lower Upper
99 100
42 18.0 13.5 20.3
71 32.7 25.6 38.4

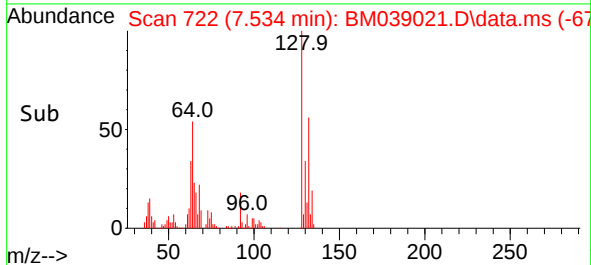
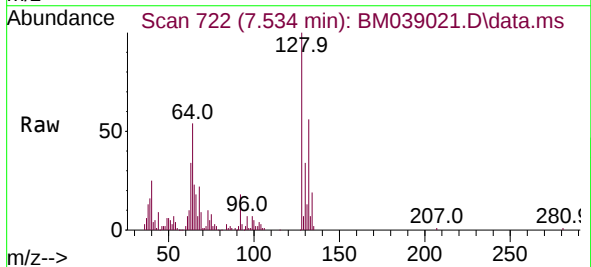
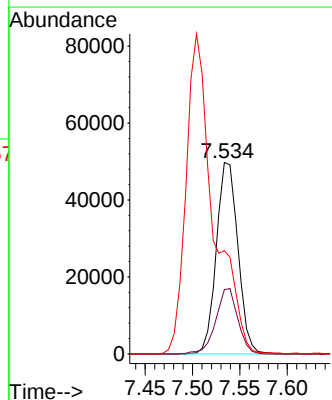
Manual Integrations
APPROVED

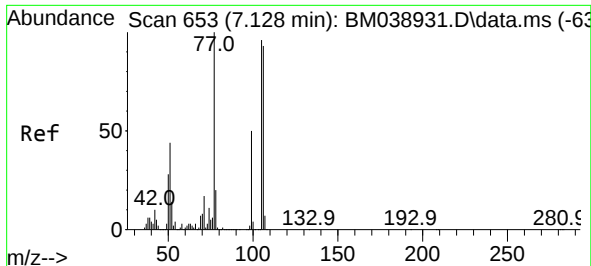
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#8
2-Chlorophenol
Concen: 3.474 ng
RT: 7.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:128 Resp: 78896
Ion Ratio Lower Upper
128 100
130 33.5 11.9 51.9
64 54.0 28.6 68.6





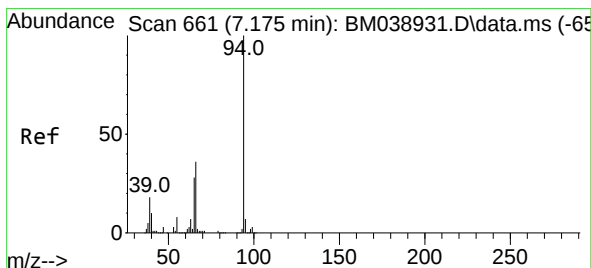
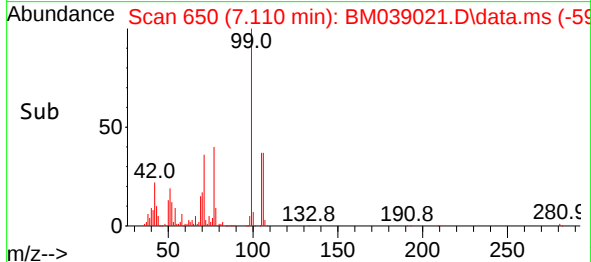
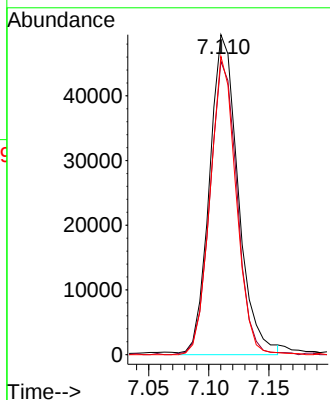
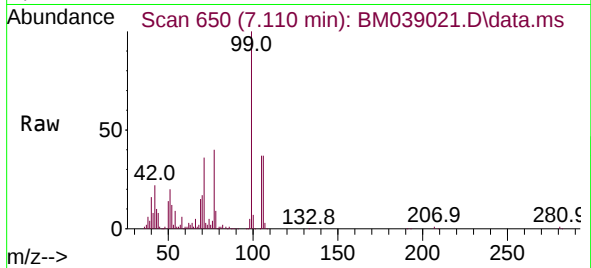
#9
Benzaldehyde
Concen: 6.228 ng m
RT: 7.110 min Scan# 651
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

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

Tgt Ion: 77 Resp: 82118
Ion Ratio Lower Upper
77 100
105 91.6 75.8 115.8
106 93.2 72.6 112.6

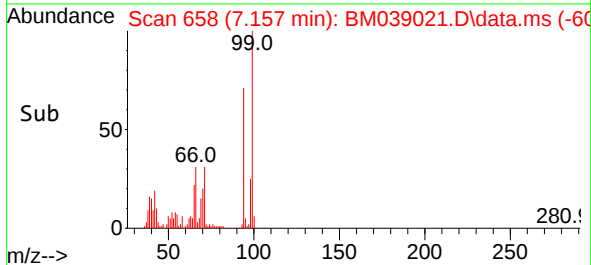
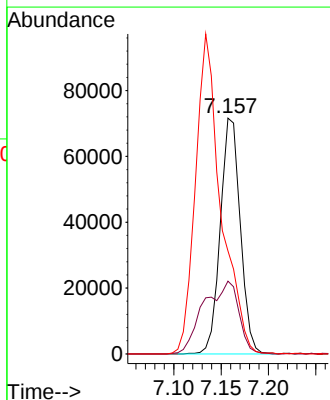
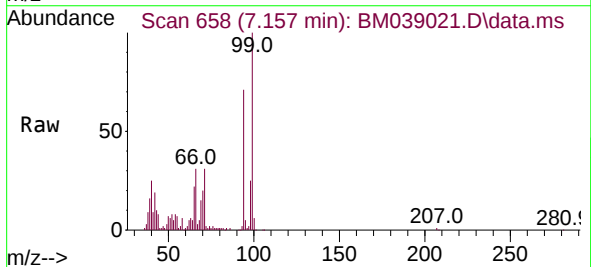
Manual Integrations
APPROVED

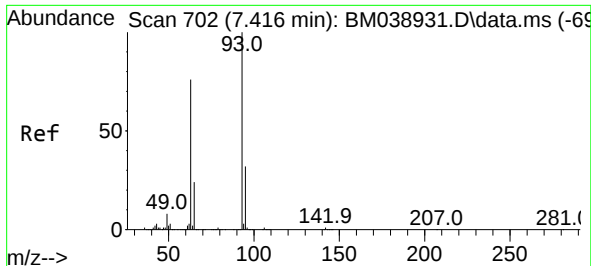
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#10
Phenol
Concen: 3.570 ng
RT: 7.157 min Scan# 658
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion: 94 Resp: 105052
Ion Ratio Lower Upper
94 100
65 30.8 7.9 47.9
66 43.7 15.8 55.8





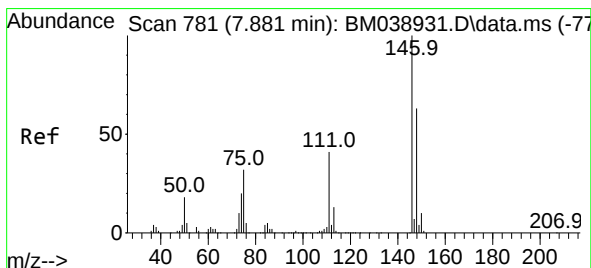
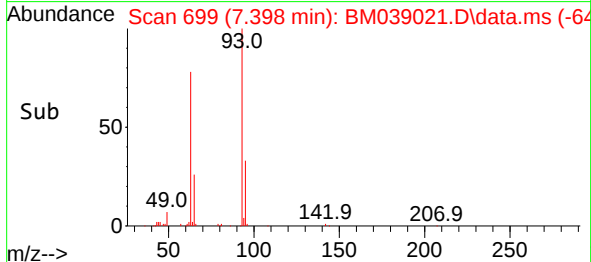
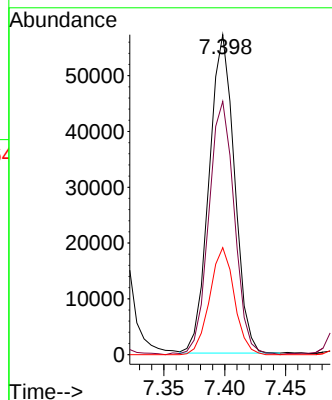
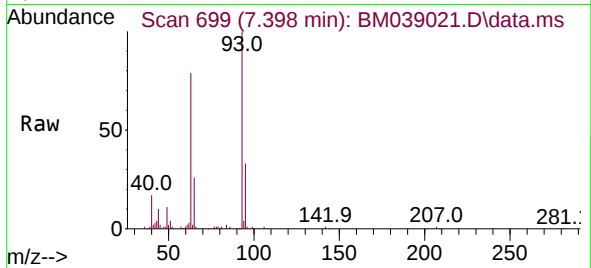
#11
bis(2-Chloroethyl)ether
Concen: 3.464 ng
RT: 7.398 min Scan# 699
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

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

Tgt Ion: 93 Resp: 82852
Ion Ratio Lower Upper
93 100
63 79.1 55.8 95.8
95 33.4 12.2 52.2

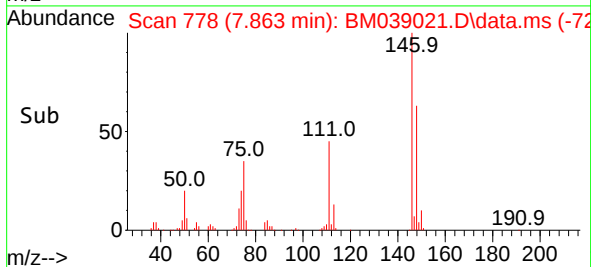
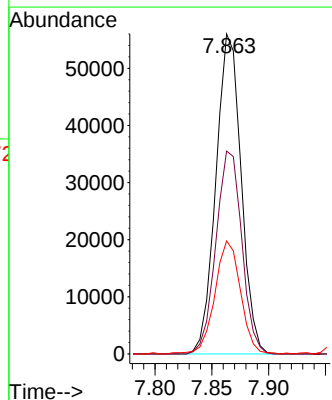
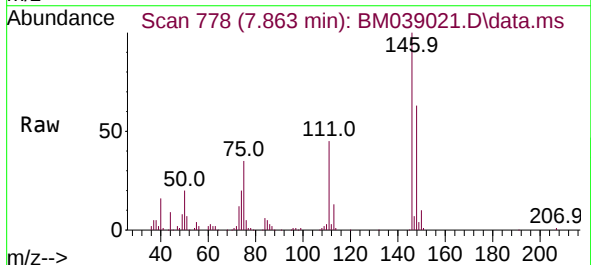
Manual Integrations
APPROVED

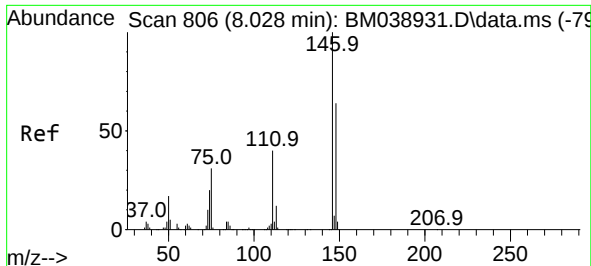
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#12
1,3-Dichlorobenzene
Concen: 3.588 ng
RT: 7.863 min Scan# 778
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:146 Resp: 86581
Ion Ratio Lower Upper
146 100
148 63.4 50.6 75.8
75 35.3 26.0 39.0





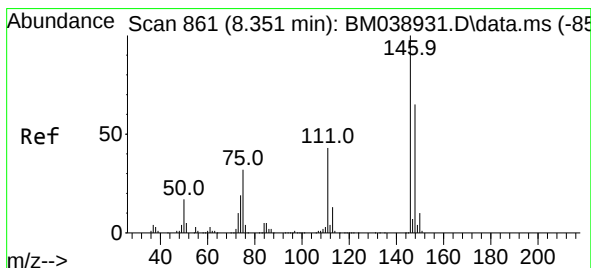
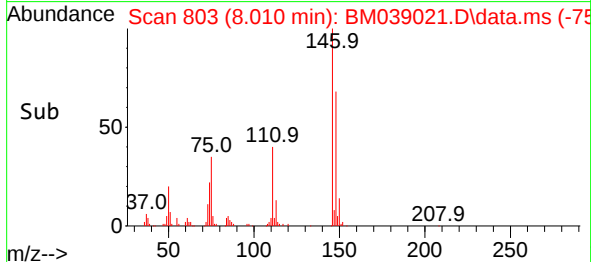
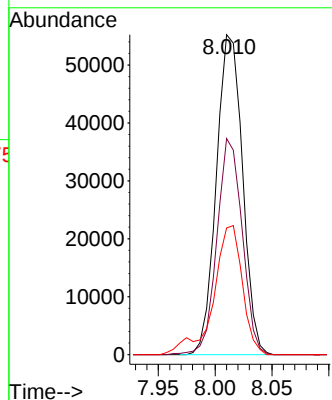
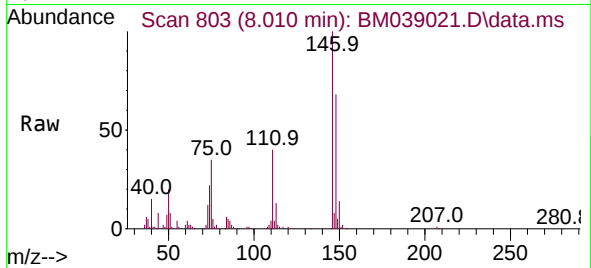
#13
1,4-Dichlorobenzene
Concen: 3.607 ng
RT: 8.010 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

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

Tgt Ion:146 Resp: 88528
Ion Ratio Lower Upper
146 100
148 67.5 51.0 76.4
111 39.6 32.2 48.4

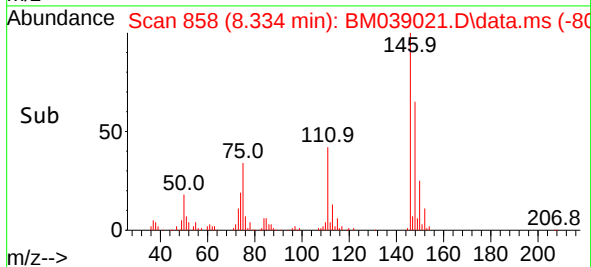
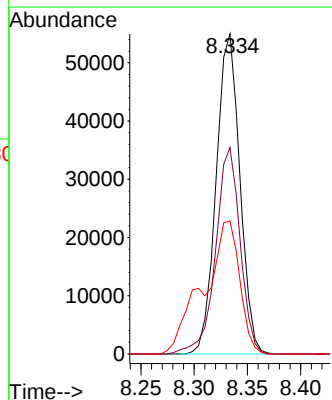
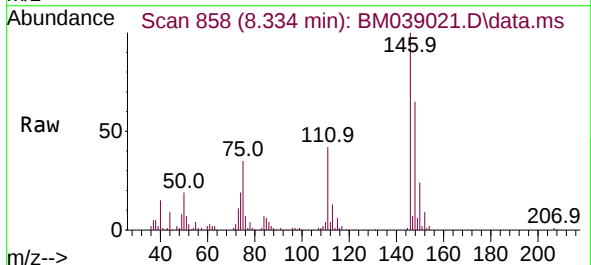
Manual Integrations
APPROVED

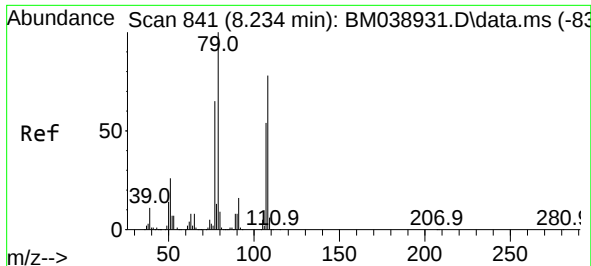
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#14
1,2-Dichlorobenzene
Concen: 3.603 ng
RT: 8.334 min Scan# 858
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:146 Resp: 85173
Ion Ratio Lower Upper
146 100
148 64.5 51.7 77.5
111 41.5 34.2 51.4





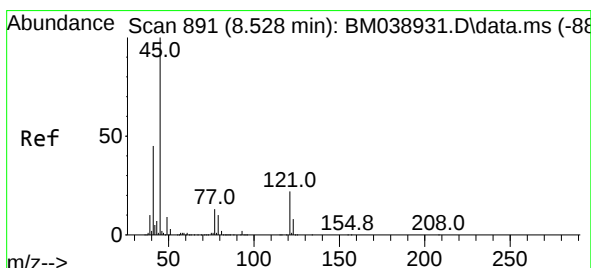
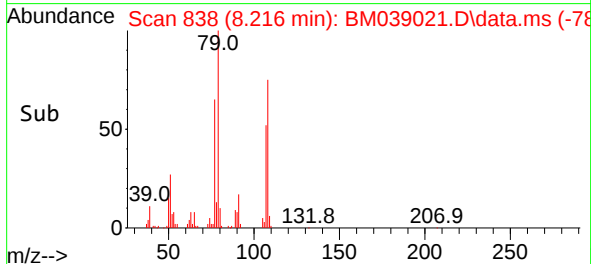
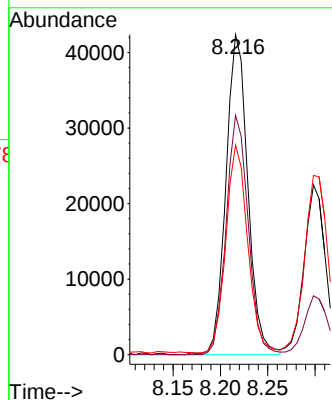
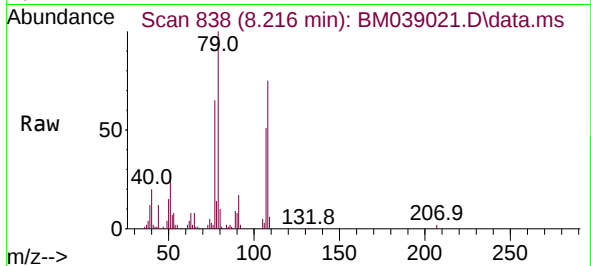
#15
Benzyl Alcohol
Concen: 3.425 ng
RT: 8.216 min Scan# 841
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

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

Tgt Ion: 79 Resp: 68012
Ion Ratio Lower Upper
79 100
108 74.8 62.4 93.6
77 65.5 52.2 78.4

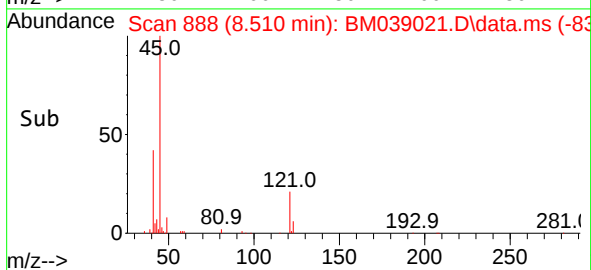
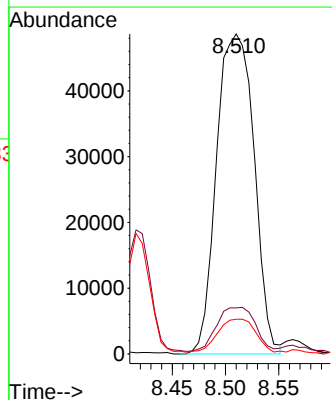
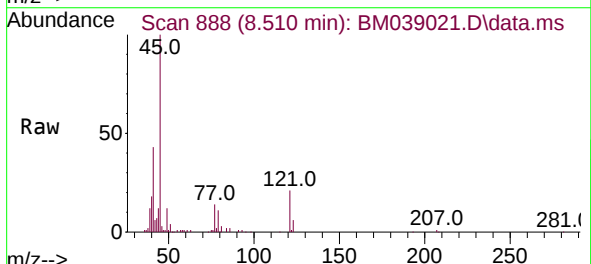
Manual Integrations
APPROVED

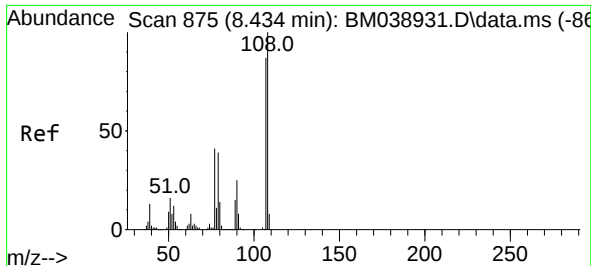
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.945 ng
RT: 8.510 min Scan# 888
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

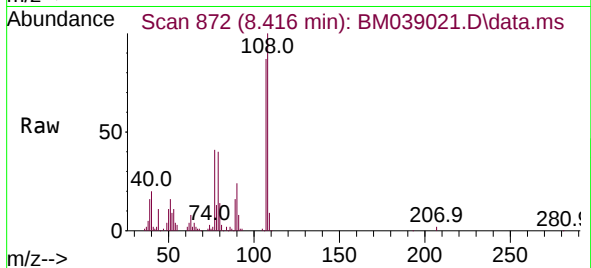
Tgt Ion: 45 Resp: 119178
Ion Ratio Lower Upper
45 100
77 14.4 0.0 34.8
79 10.8 0.0 31.5





#17
2-Methylphenol
Concen: 3.056 ng
RT: 8.416 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

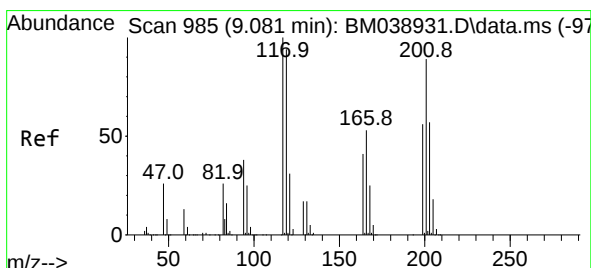
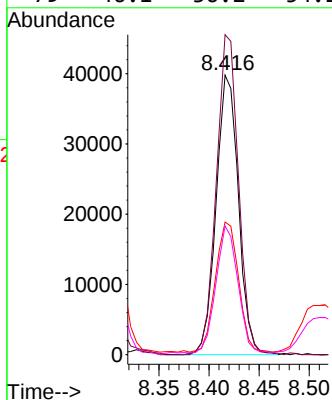
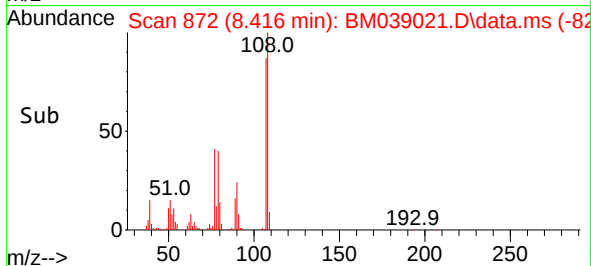
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:107 Resp: 61776
Ion Ratio Lower Upper
107 100
108 114.5 91.7 137.5
77 47.4 37.4 56.2
79 46.1 36.2 54.2

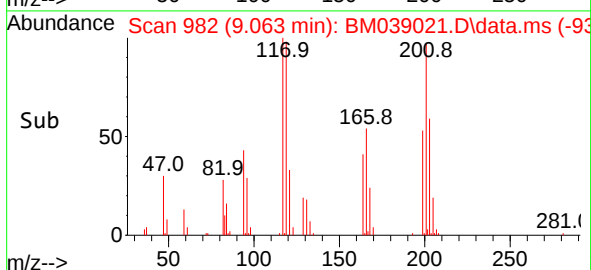
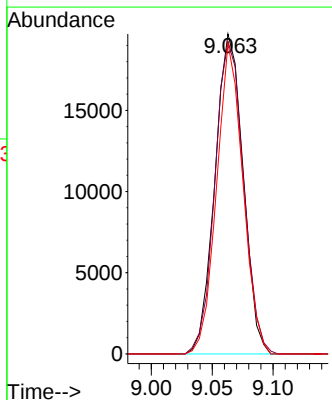
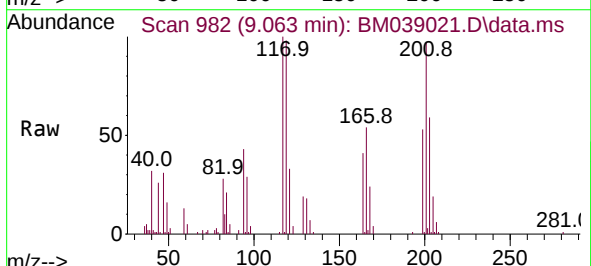
Manual Integrations
APPROVED

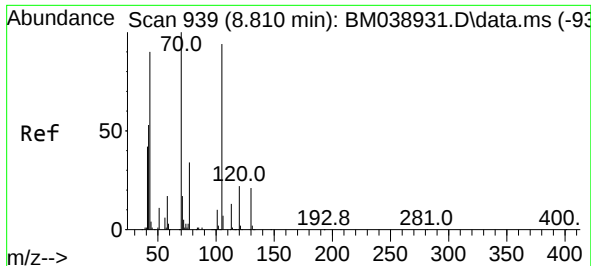
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#18
Hexachloroethane
Concen: 3.503 ng
RT: 9.063 min Scan# 982
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

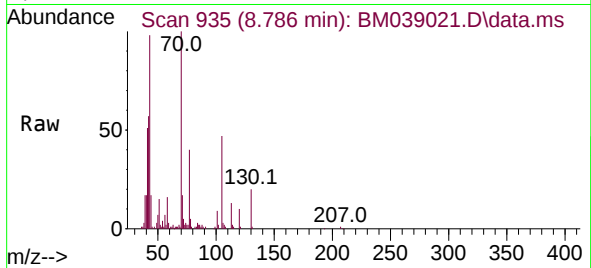
Tgt Ion:117 Resp: 31724
Ion Ratio Lower Upper
117 100
119 97.6 75.4 113.0
201 99.7 71.3 106.9





#19
n-Nitroso-di-n-propylamine
Concen: 3.604 ng
RT: 8.786 min Scan# 931
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

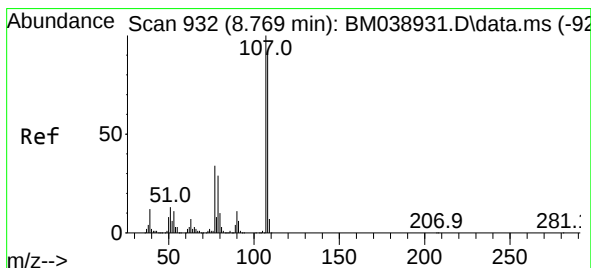
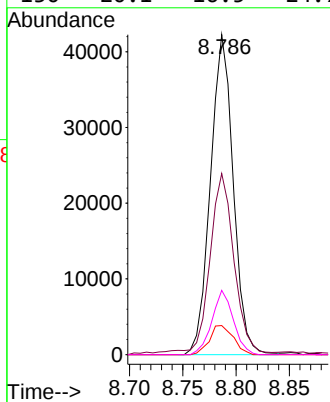
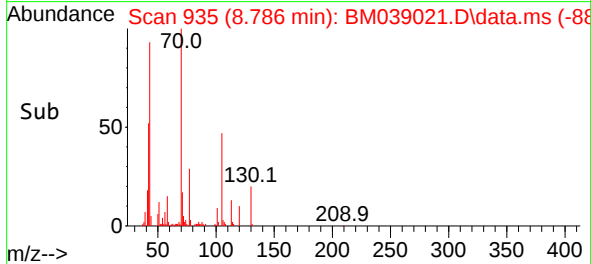
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 70 Resp: 62892
Ion Ratio Lower Upper
70 100
42 56.6 43.4 65.2
101 9.1 7.6 11.4
130 20.1 16.5 24.7

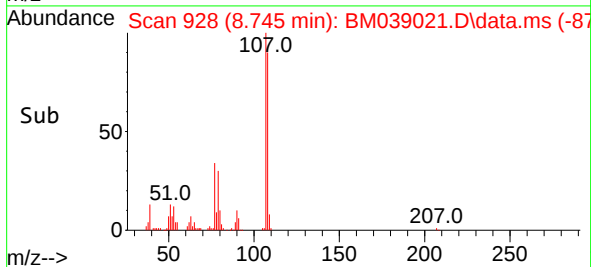
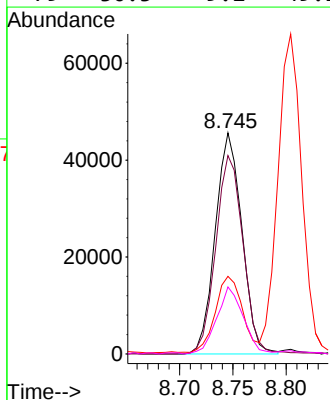
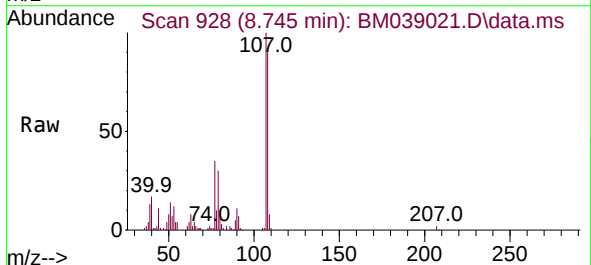
Manual Integrations
APPROVED

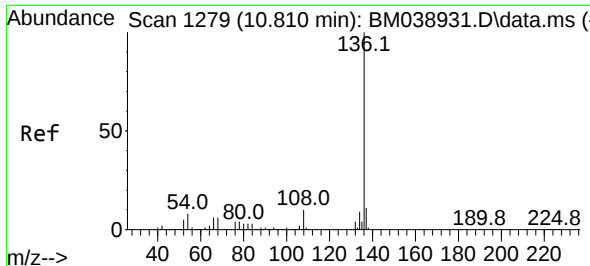
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#20
3+4-Methylphenols
Concen: 2.938 ng
RT: 8.745 min Scan# 928
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

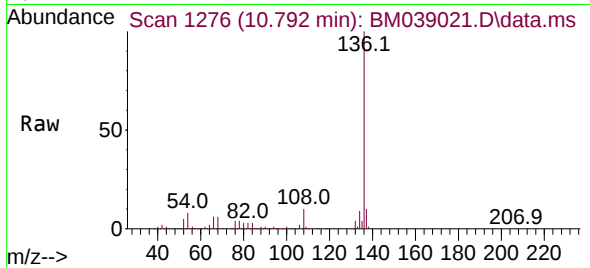
Tgt Ion:107 Resp: 79280
Ion Ratio Lower Upper
107 100
108 89.7 71.8 111.8
77 35.1 13.6 53.6
79 30.3 9.2 49.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.792 min Scan# 1276
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

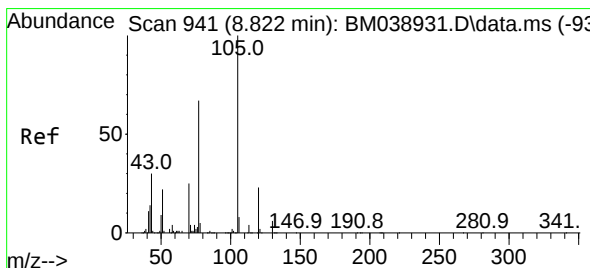
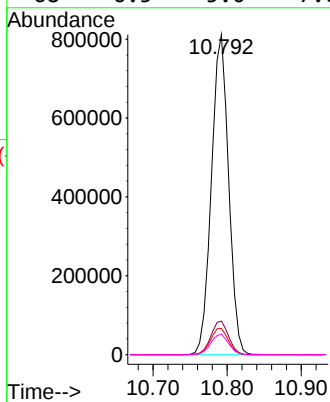
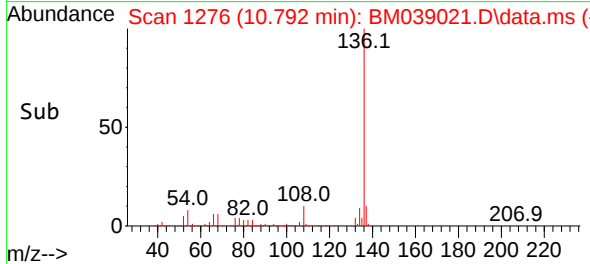
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:136 Resp: 1303163
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 8.2 6.3 9.5
68 6.5 5.0 7.6

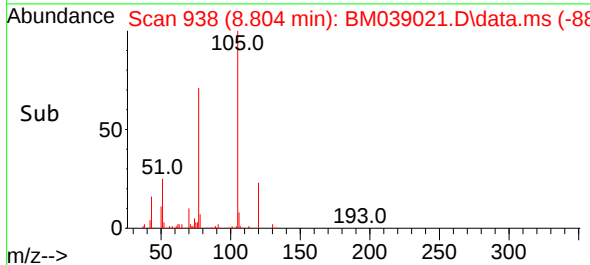
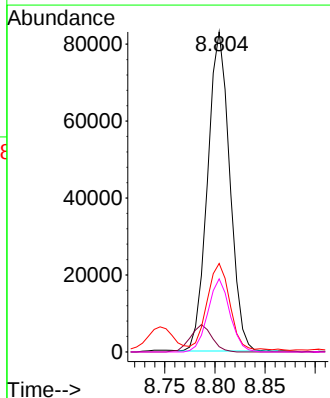
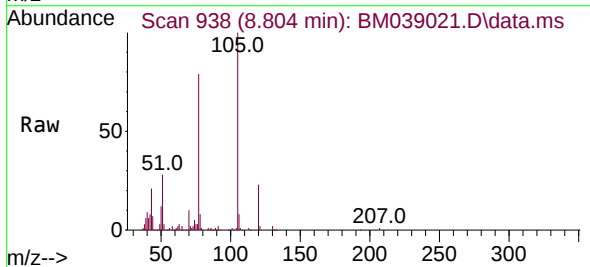
Manual Integrations
APPROVED

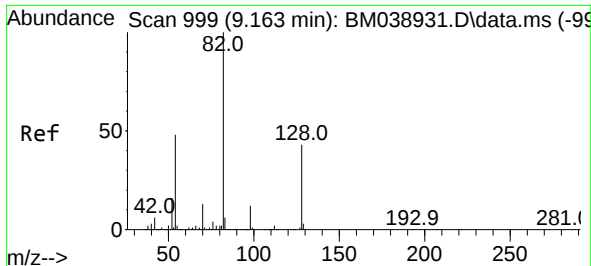
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#22
Acetophenone
Concen: 3.483 ng
RT: 8.804 min Scan# 938
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

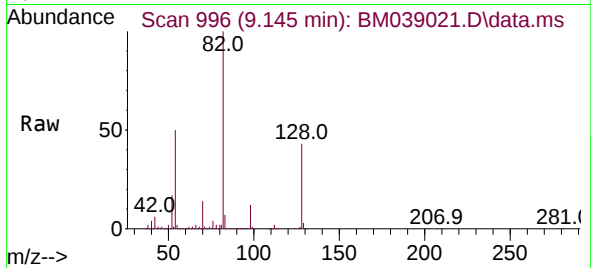
Tgt Ion:105 Resp: 127350
Ion Ratio Lower Upper
105 100
71 1.6 3.4 5.0#
51 27.6 21.0 31.4
120 22.8 18.1 27.1





#23
Nitrobenzene-d5
Concen: 76.624 ng
RT: 9.145 min Scan# 999
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

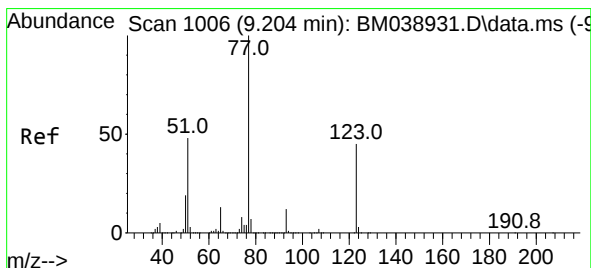
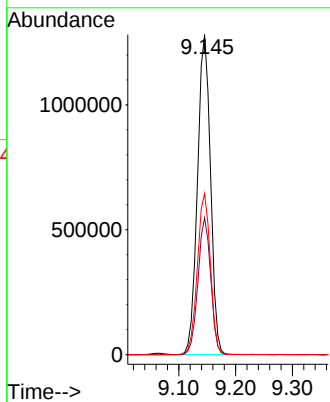
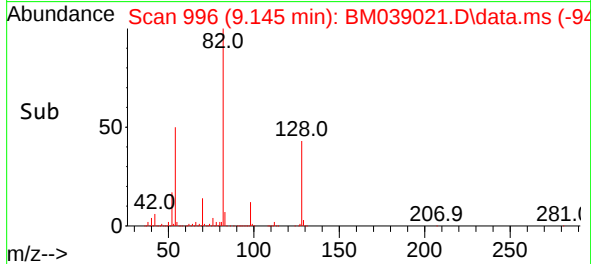
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



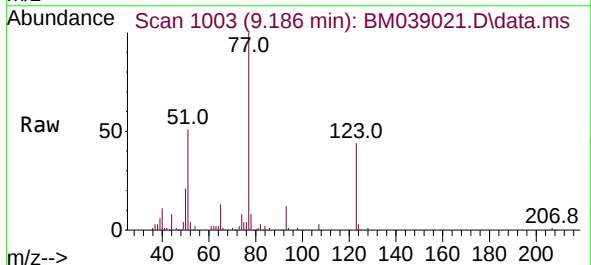
Tgt Ion: 82 Resp: 2032811
Ion Ratio Lower Upper
82 100
128 42.7 34.4 51.6
54 50.3 38.8 58.2

Manual Integrations
APPROVED

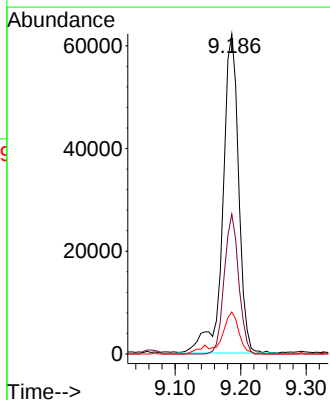
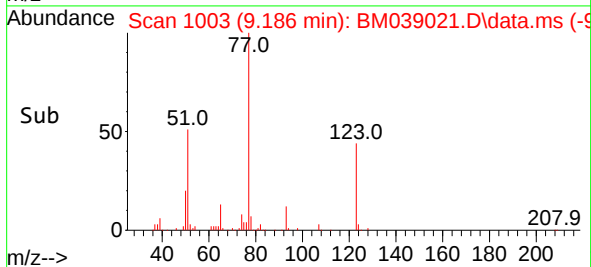
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

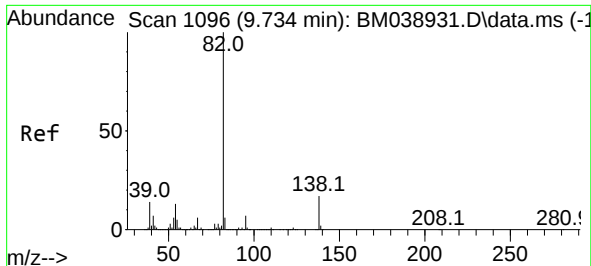


#24
Nitrobenzene
Concen: 3.754 ng
RT: 9.186 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13



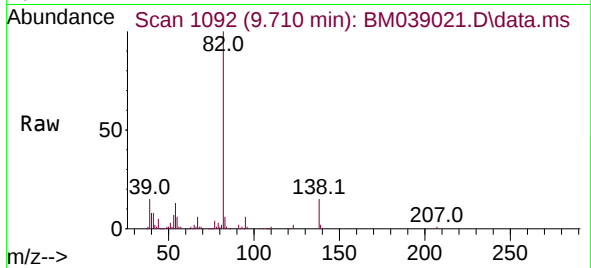
Tgt Ion: 77 Resp: 104688
Ion Ratio Lower Upper
77 100
123 43.7 35.8 53.6
65 13.1 10.2 15.4





#25
Isophorone
Concen: 3.271 ng
RT: 9.710 min Scan# 1096
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

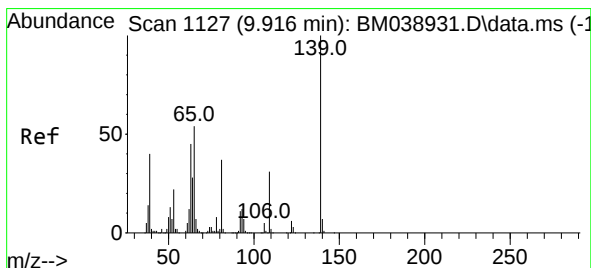
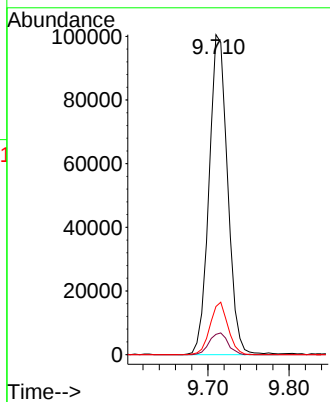
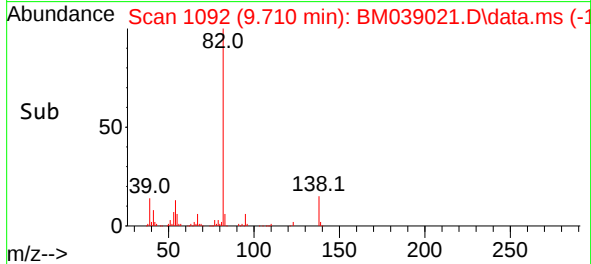
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 82 Resp: 159709
Ion Ratio Lower Upper
82 100
95 6.3 5.2 7.8
138 15.0 13.6 20.4

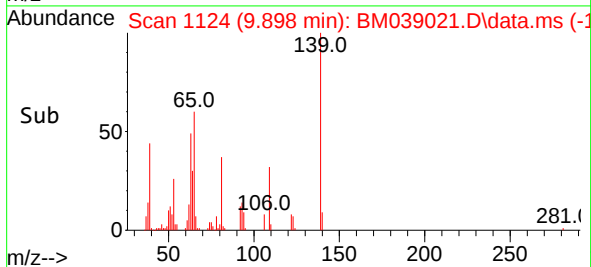
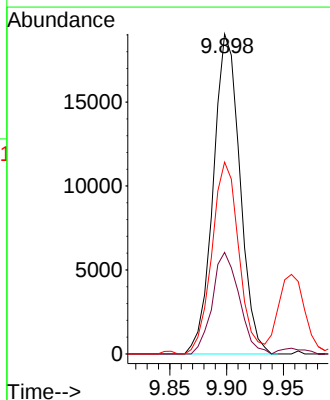
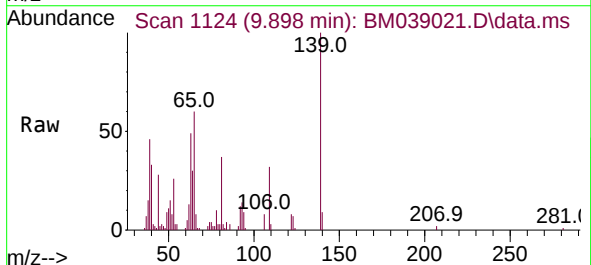
Manual Integrations
APPROVED

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



#26
2-Nitrophenol
Concen: 2.817 ng
RT: 9.898 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:139 Resp: 31042
Ion Ratio Lower Upper
139 100
109 31.7 24.5 36.7
65 59.9 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 3.094 ng

RT: 9.957 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BM039021.D

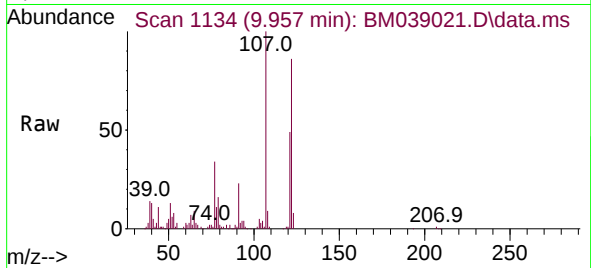
Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



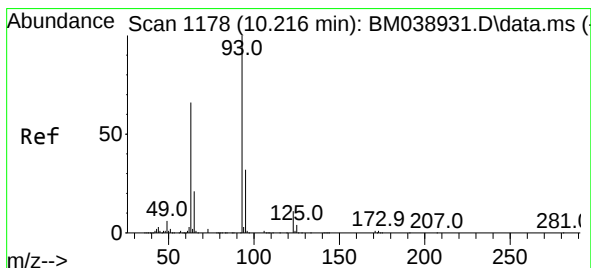
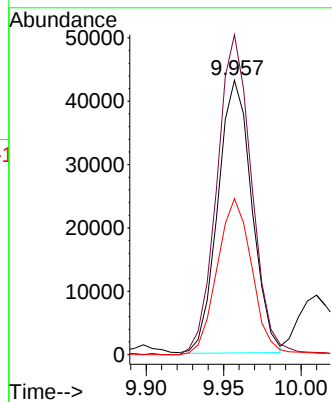
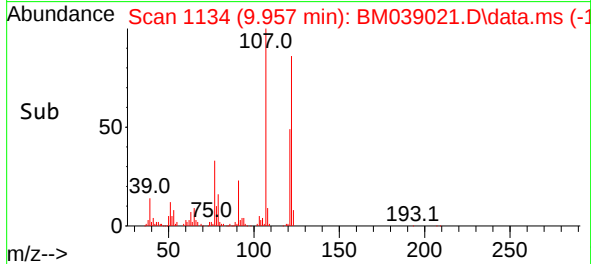
Tgt Ion:	122	Resp:	65810
Ion	Ratio	Lower	Upper
122	100		
107	116.6	91.0	136.4
121	56.9	45.1	67.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#28

bis(2-Chloroethoxy)methane

Concen: 3.424 ng

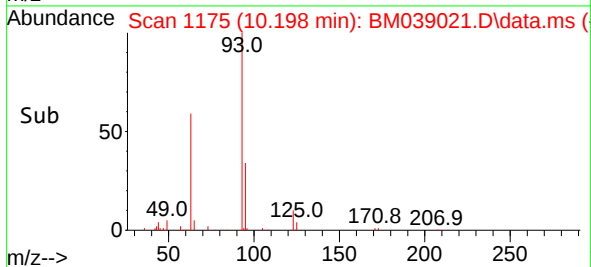
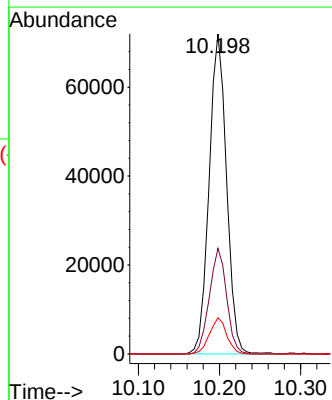
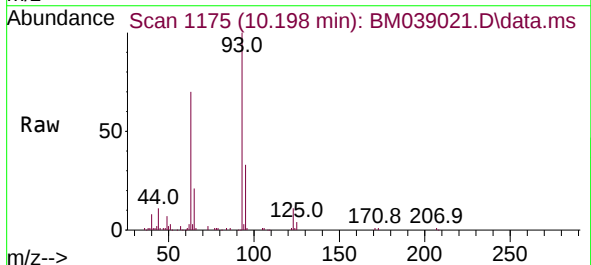
RT: 10.198 min Scan# 1175

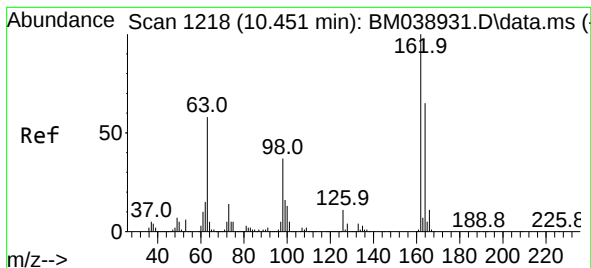
Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Tgt Ion:	93	Resp:	107399
Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.9	38.9
123	11.3	8.8	13.2





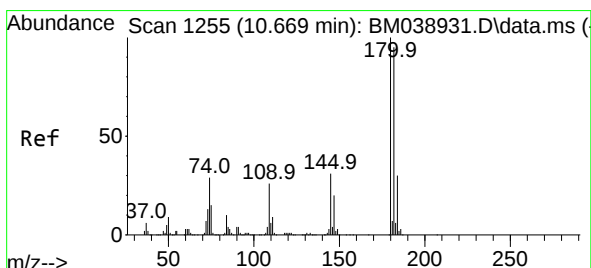
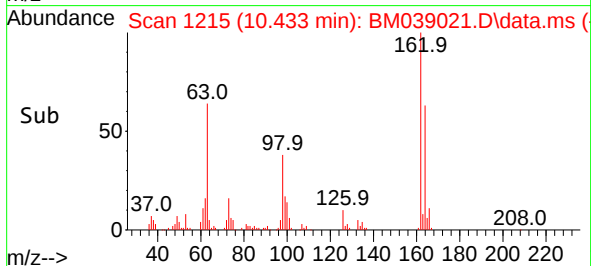
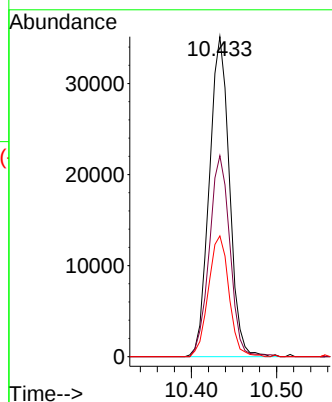
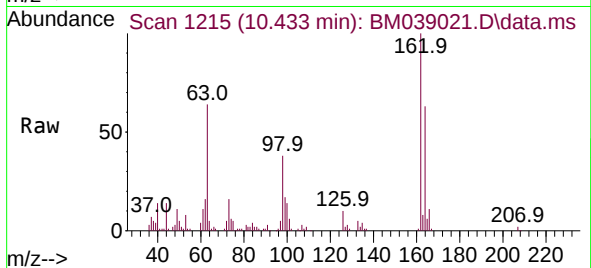
#29
2,4-Dichlorophenol
Concen: 2.859 ng
RT: 10.433 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

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

Tgt Ion:162 Resp: 57650
Ion Ratio Lower Upper
162 100
164 62.8 44.6 84.6
98 37.8 17.5 57.5

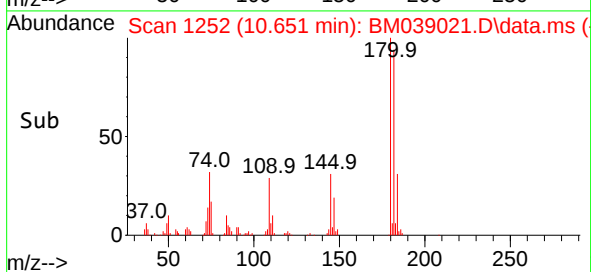
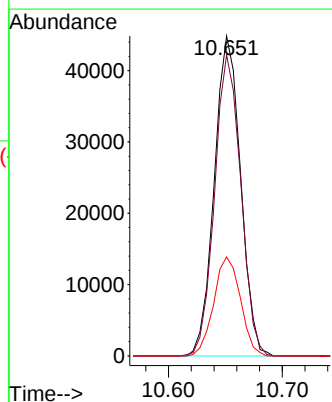
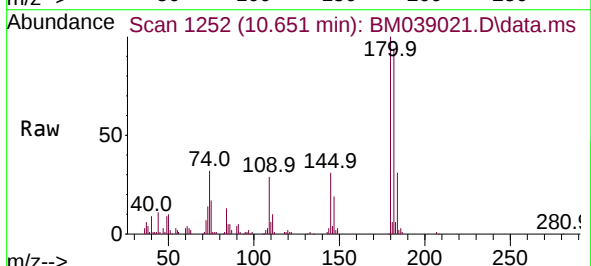
Manual Integrations
APPROVED

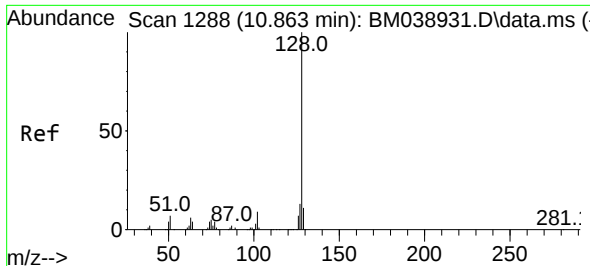
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#30
1,2,4-Trichlorobenzene
Concen: 3.267 ng
RT: 10.651 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

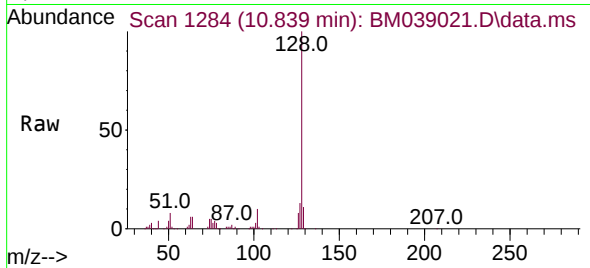
Tgt Ion:180 Resp: 72007
Ion Ratio Lower Upper
180 100
182 94.0 76.3 114.5
145 30.9 25.0 37.4





#31
Naphthalene
Concen: 3.357 ng
RT: 10.839 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

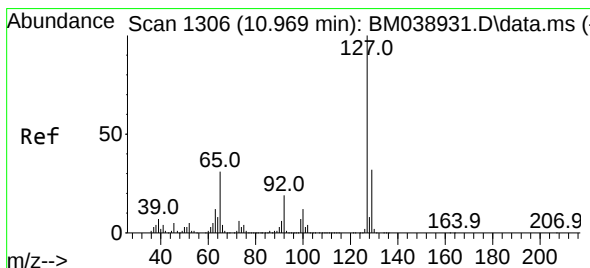
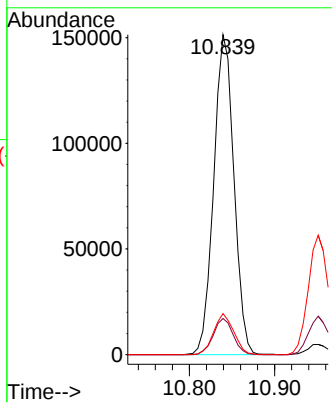
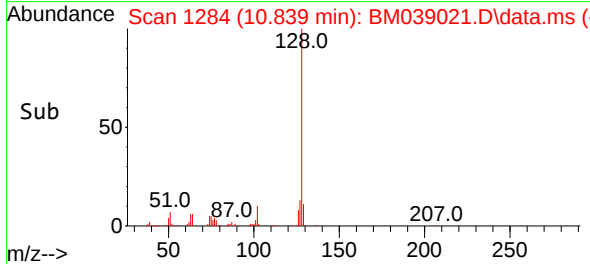
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:128 Resp: 249445
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 12.8 10.2 15.4

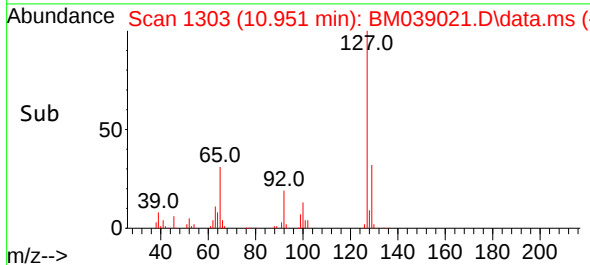
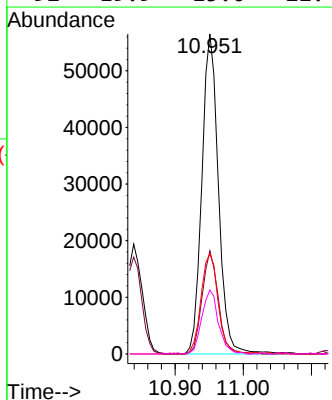
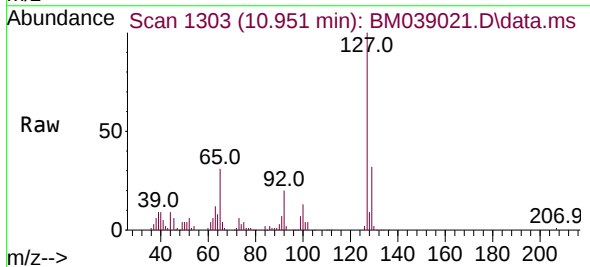
Manual Integrations
APPROVED

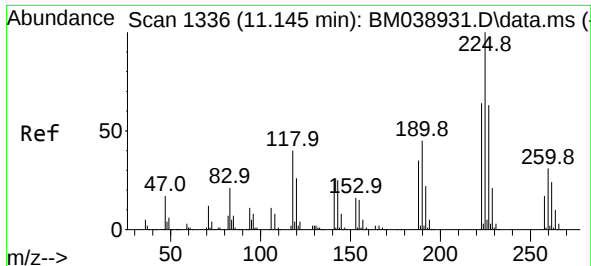
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#33
4-Chloroaniline
Concen: 3.021 ng
RT: 10.951 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:127 Resp: 95657
Ion Ratio Lower Upper
127 100
129 32.2 25.4 38.2
65 31.2 24.4 36.6
92 19.9 15.0 22.4





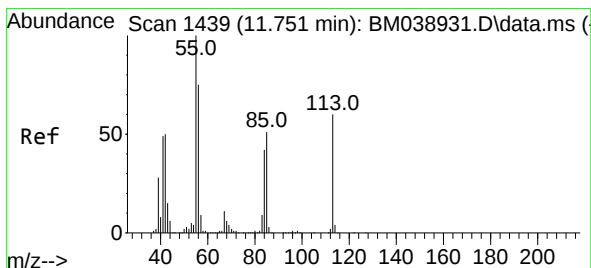
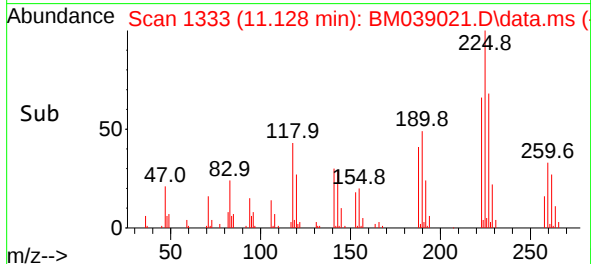
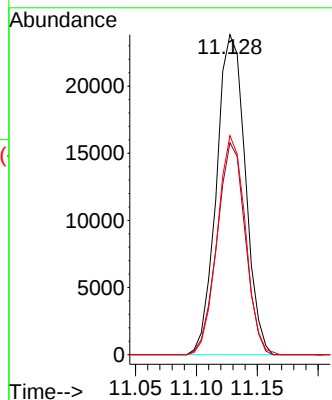
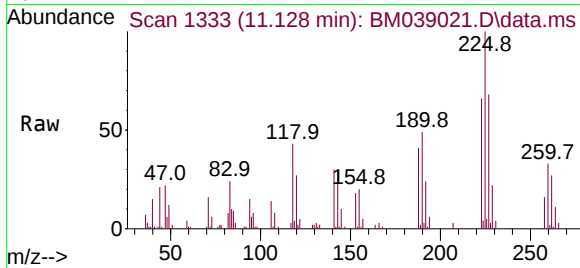
#34
Hexachlorobutadiene
Concen: 3.108 ng
RT: 11.128 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

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

Tgt Ion:225 Resp: 39279
Ion Ratio Lower Upper
225 100
223 66.9 51.3 76.9
227 65.5 50.6 76.0

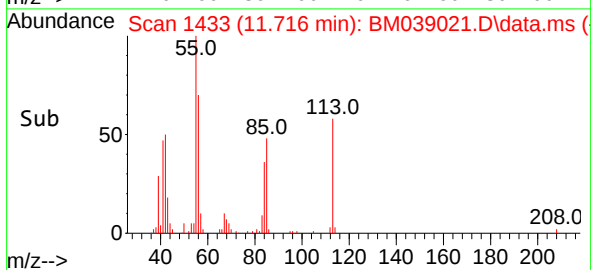
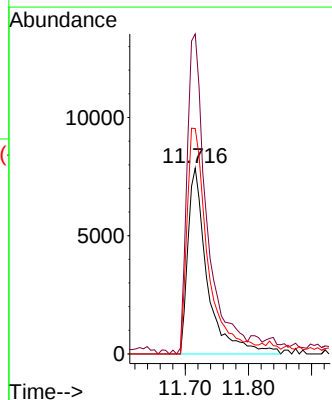
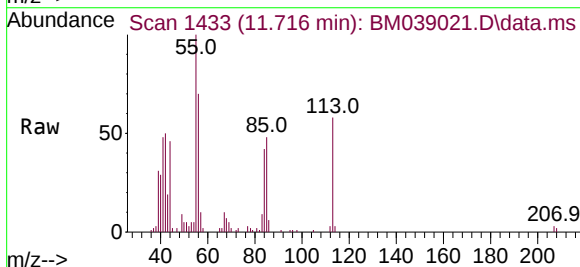
Manual Integrations
APPROVED

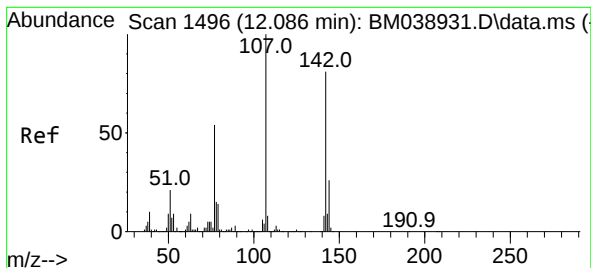
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#35
Caprolactam
Concen: 2.755 ng m
RT: 11.716 min Scan# 1433
Delta R.T. -0.024 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

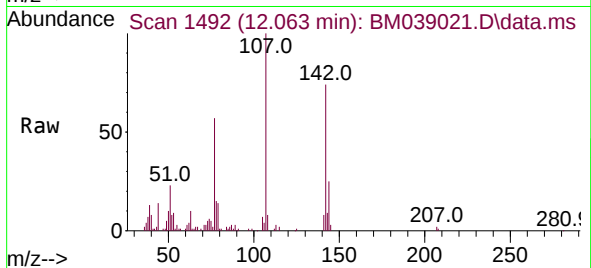
Tgt Ion:113 Resp: 16911
Ion Ratio Lower Upper
113 100
55 172.3 147.0 187.0
56 121.3 105.1 145.1





#36
4-Chloro-3-methylphenol
Concen: 2.913 ng
RT: 12.063 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

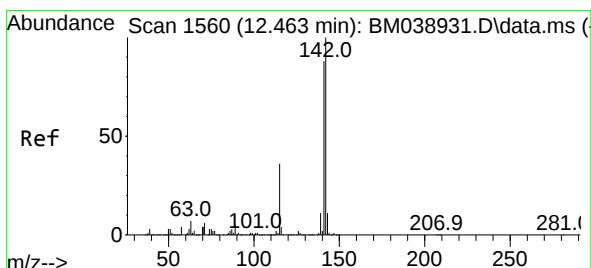
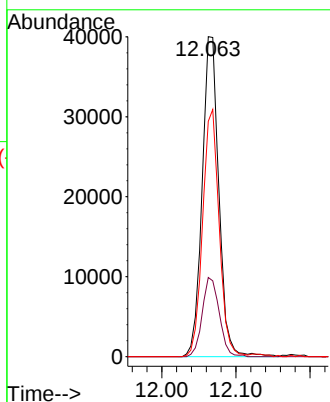
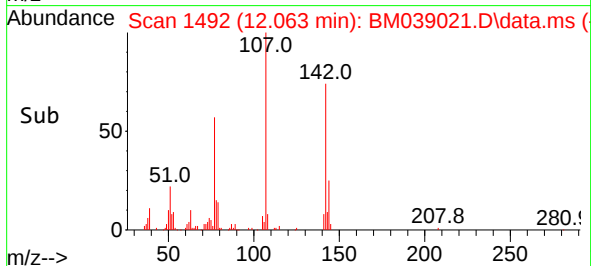
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



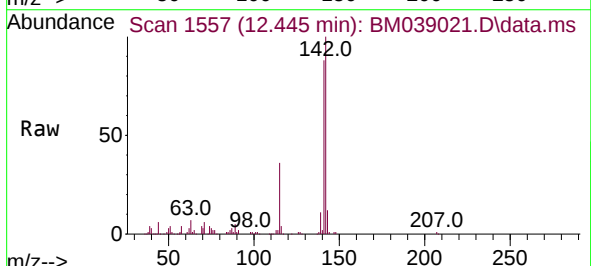
Tgt Ion:107 Resp: 62558
Ion Ratio Lower Upper
107 100
144 24.7 20.7 31.1
142 73.5 64.6 97.0

Manual Integrations
APPROVED

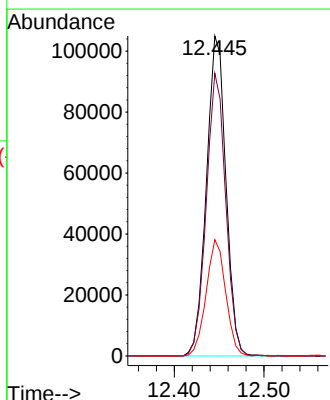
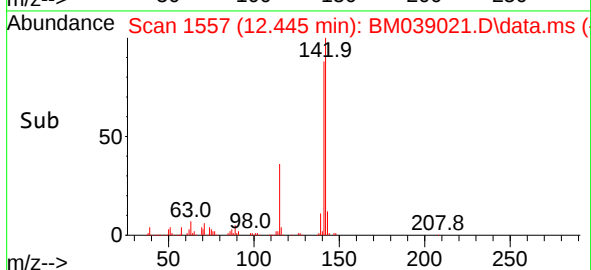
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

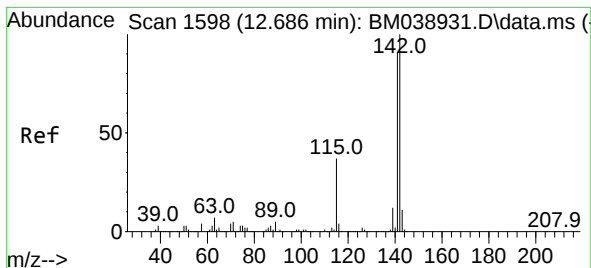


#37
2-Methylnaphthalene
Concen: 3.193 ng
RT: 12.445 min Scan# 1557
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13



Tgt Ion:142 Resp: 159042
Ion Ratio Lower Upper
142 100
141 88.3 70.6 106.0
115 36.3 28.5 42.7





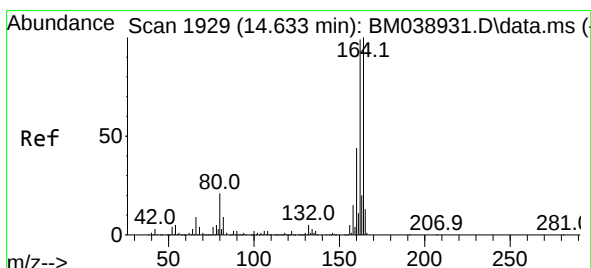
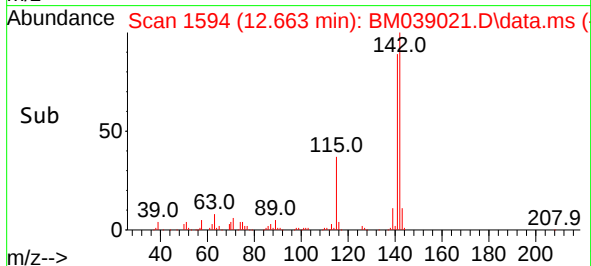
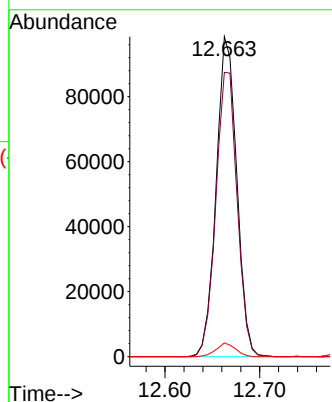
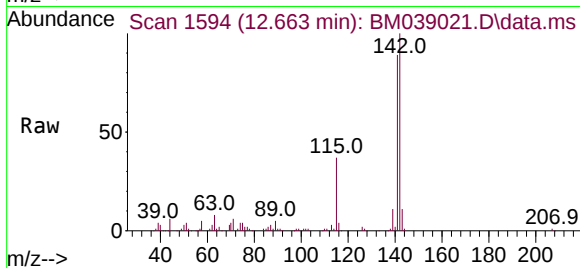
#38
1-Methylnaphthalene
Concen: 3.184 ng
RT: 12.663 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

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

Tgt Ion:142 Resp: 148588
Ion Ratio Lower Upper
142 100
141 88.8 72.8 109.2
116 4.3 3.0 4.4

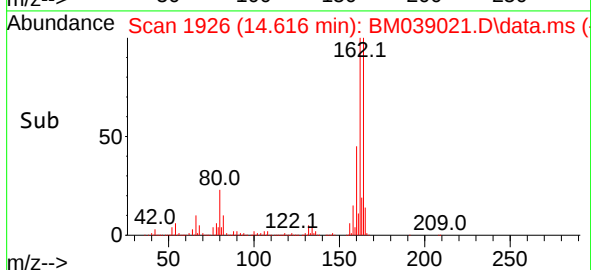
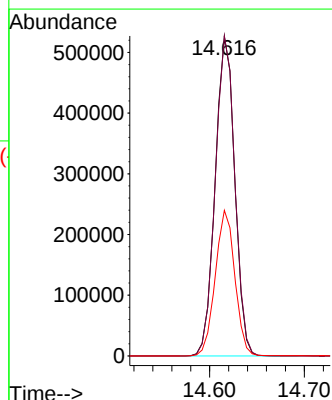
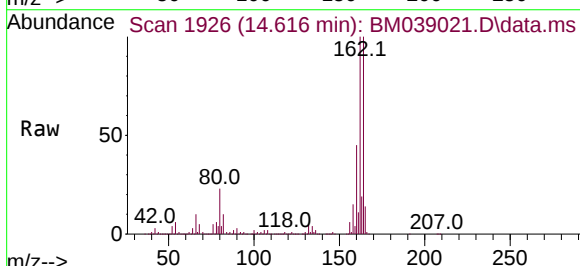
Manual Integrations
APPROVED

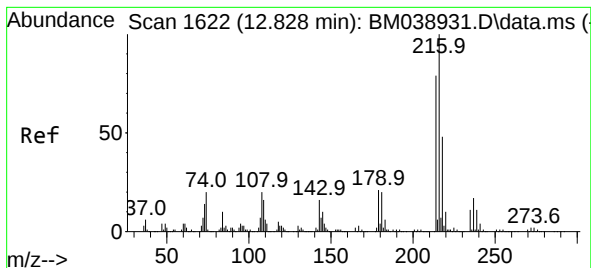
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1926
Delta R.T. 0.001 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:164 Resp: 754455
Ion Ratio Lower Upper
164 100
162 100.1 79.2 118.8
160 45.5 35.5 53.3





#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.134 ng

RT: 12.810 min Scan# 1619

Delta R.T. -0.006 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

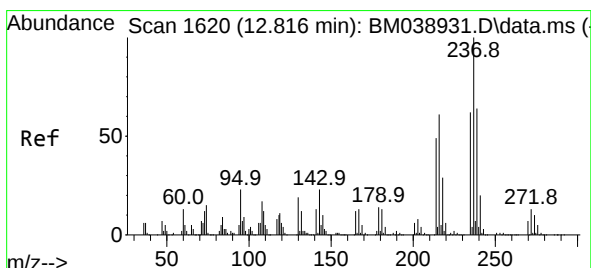
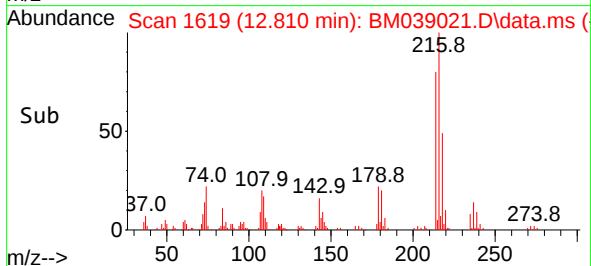
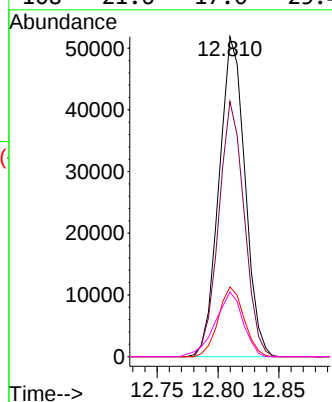
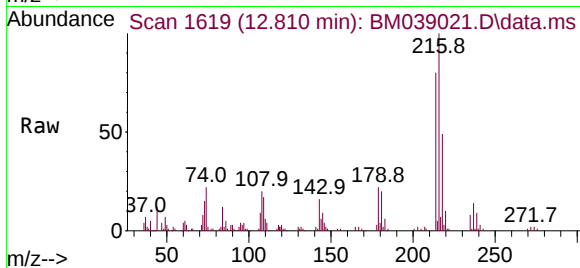
Tgt Ion:	216	Resp:	76869
Ion Ratio	Lower	Upper	
216	100		
214	78.2	63.0	94.4
179	21.5	16.8	25.2
108	21.6	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#41

Hexachlorocyclopentadiene

Concen: 3.236 ng

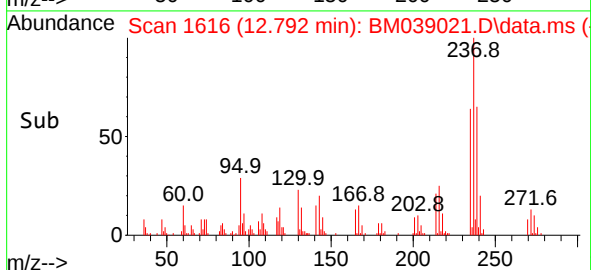
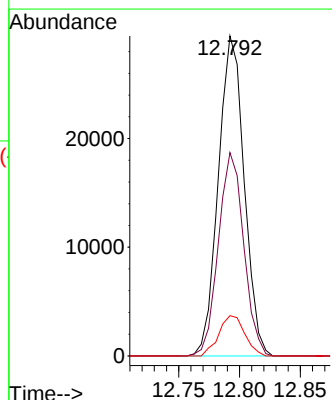
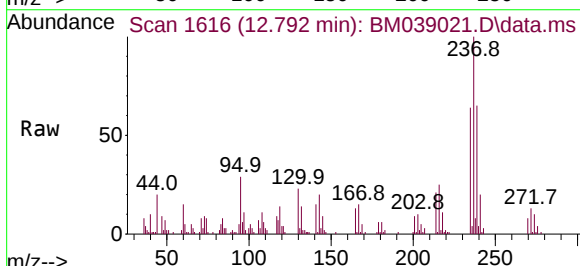
RT: 12.792 min Scan# 1616

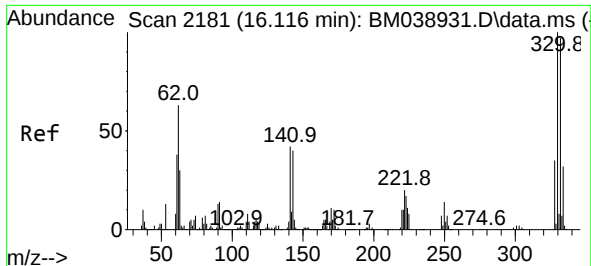
Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

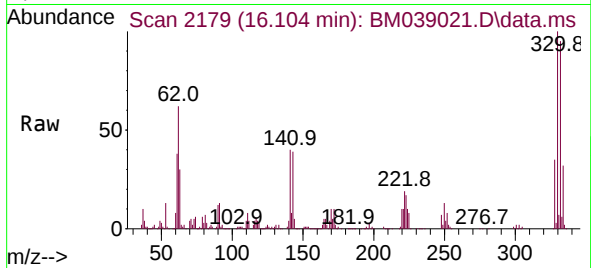
Tgt Ion:	237	Resp:	43568
Ion Ratio	Lower	Upper	
237	100		
235	63.5	41.7	81.7
272	12.6	0.0	33.2





#42
2,4,6-Tribromophenol
Concen: 97.842 ng
RT: 16.104 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

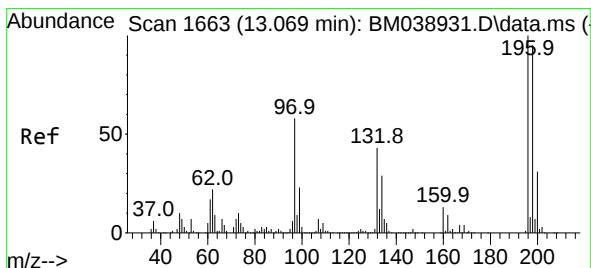
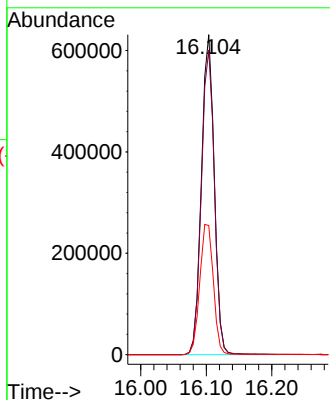
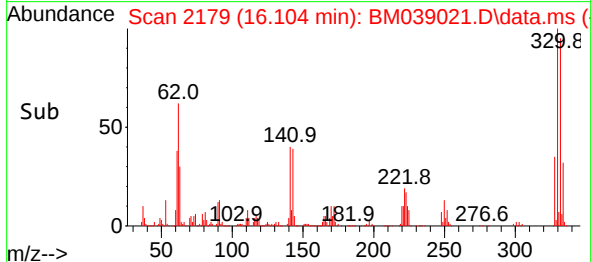
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



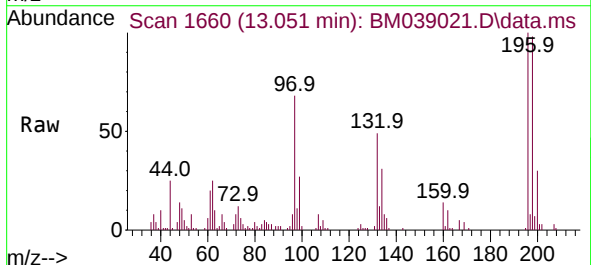
Tgt Ion:330 Resp: 853946
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 43.2 32.2 48.4

Manual Integrations
APPROVED

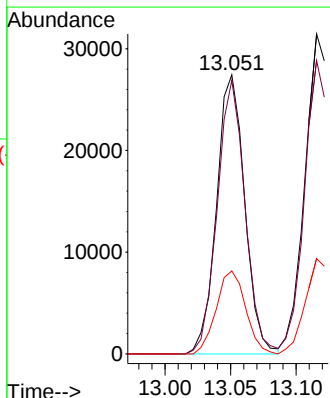
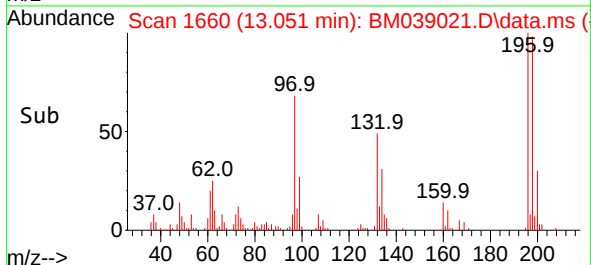
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

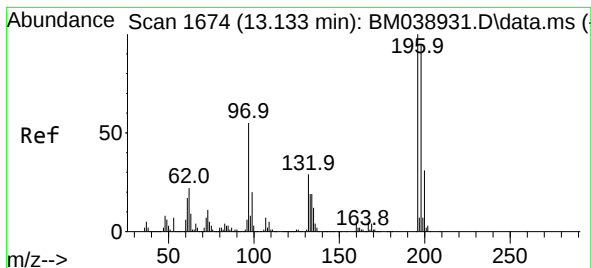


#43
2,4,6-Trichlorophenol
Concen: 2.579 ng
RT: 13.051 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13



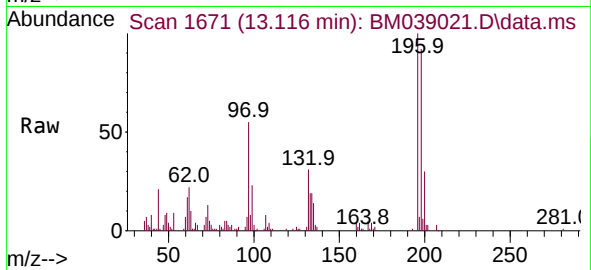
Tgt Ion:196 Resp: 40955
Ion Ratio Lower Upper
196 100
198 98.0 75.8 113.8
200 29.7 25.0 37.4





#44
2,4,5-Trichlorophenol
Concen: 2.499 ng
RT: 13.116 min Scan# 1671
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

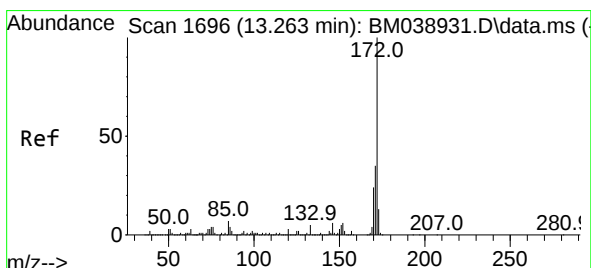
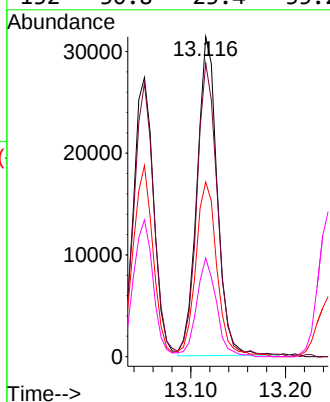
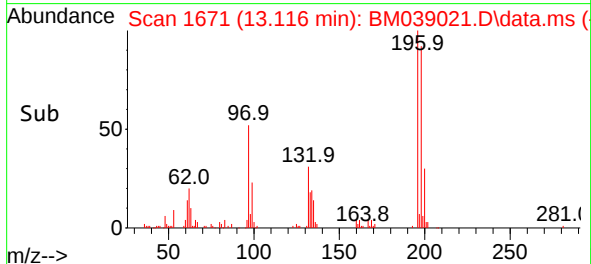
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



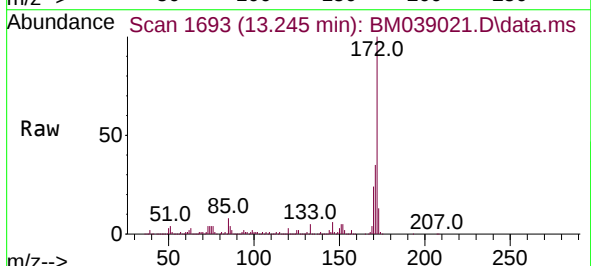
Tgt Ion:196 Resp: 46456
Ion Ratio Lower Upper
196 100
198 91.7 76.3 114.5
97 54.6 44.2 66.4
132 30.8 23.4 35.2

Manual Integrations
APPROVED

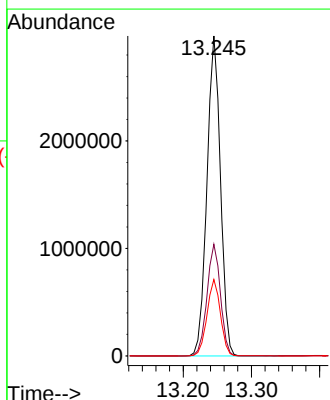
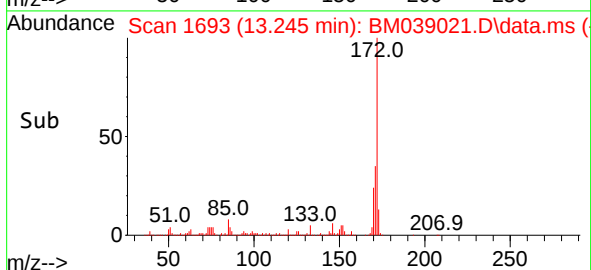
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

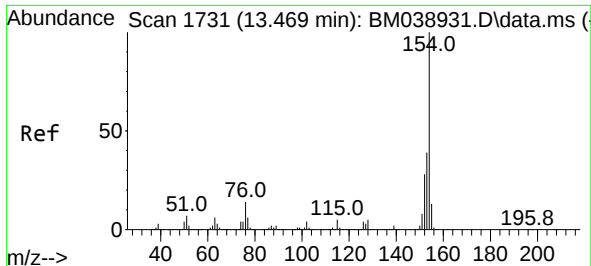


#45
2-Fluorobiphenyl
Concen: 70.588 ng
RT: 13.245 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13



Tgt Ion:172 Resp: 4090893
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.9 19.1 28.7





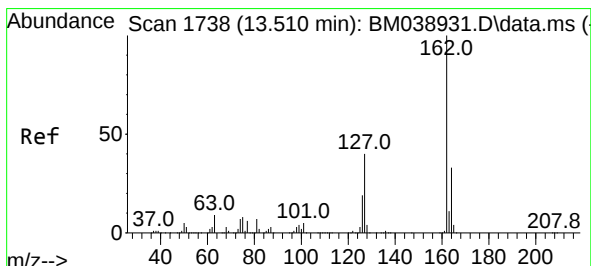
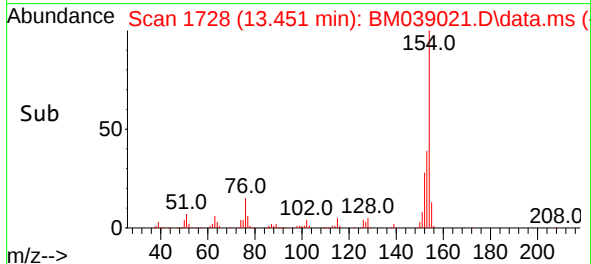
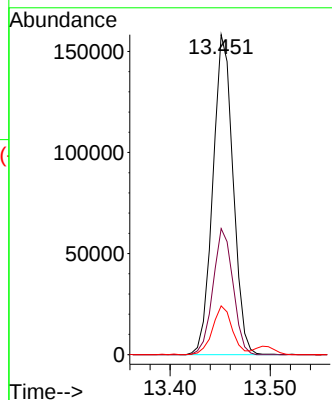
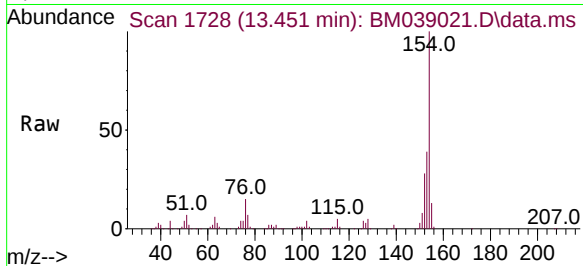
#46
1,1'-Biphenyl
Concen: 3.465 ng
RT: 13.451 min Scan# 1731
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

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

Tgt Ion:154 Resp: 221462
Ion Ratio Lower Upper
154 100
153 39.4 19.3 59.3
76 15.2 0.0 34.0

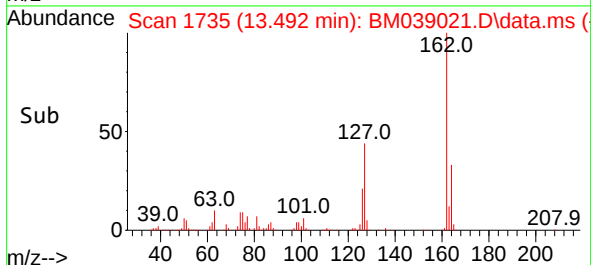
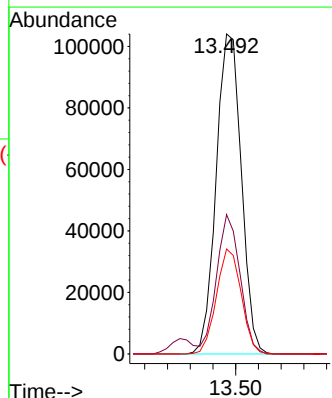
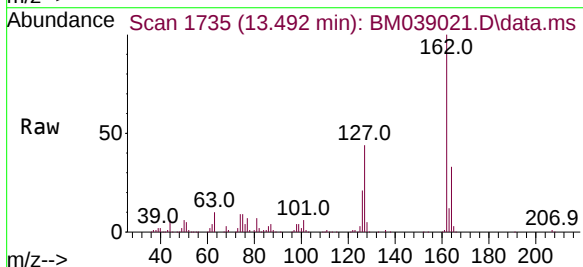
Manual Integrations
APPROVED

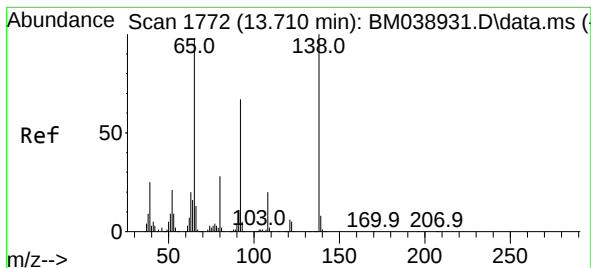
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#47
2-Chloronaphthalene
Concen: 3.313 ng
RT: 13.492 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:162 Resp: 159689
Ion Ratio Lower Upper
162 100
127 43.5 32.1 48.1
164 32.8 26.2 39.4





#48

2-Nitroaniline

Concen: 2.687 ng

RT: 13.698 min Scan# 1772

Delta R.T. -0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 65 Resp: 37192

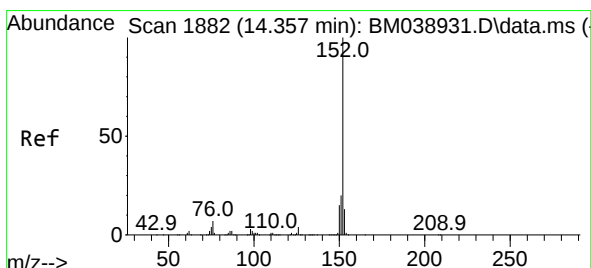
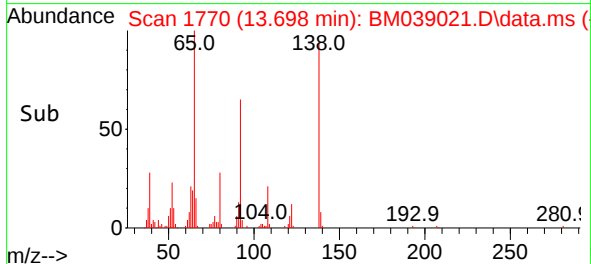
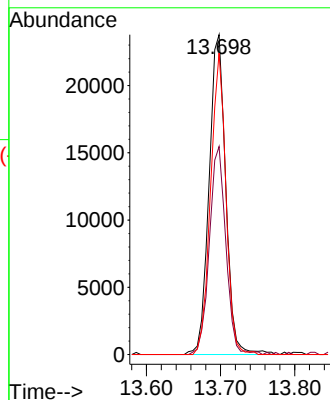
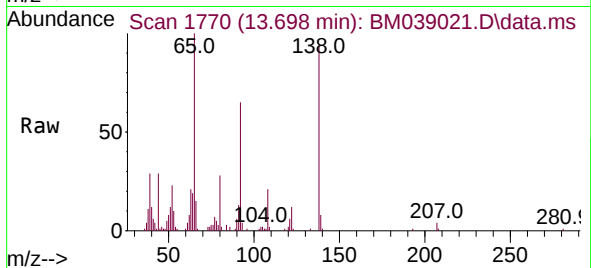
Ion	Ratio	Lower	Upper
65	100		
92	65.0	54.9	82.3
138	94.2	81.6	122.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#49

Acenaphthylene

Concen: 2.946 ng

RT: 14.339 min Scan# 1879

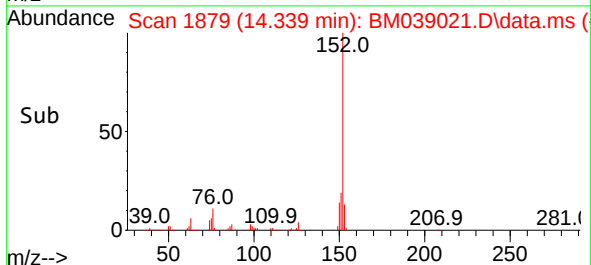
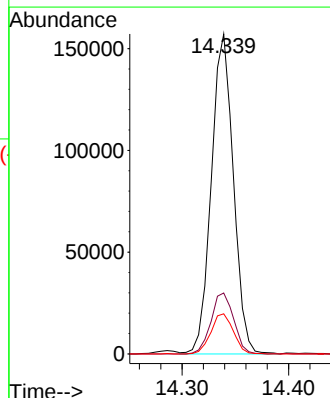
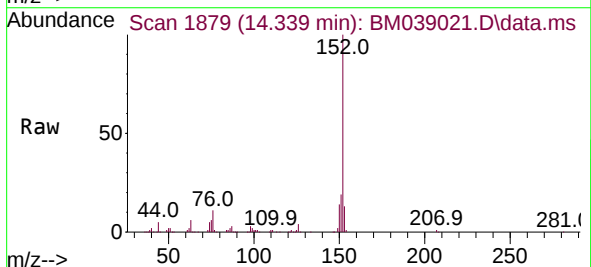
Delta R.T. 0.000 min

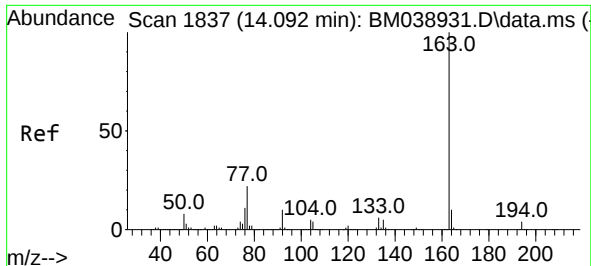
Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Tgt Ion:152 Resp: 226135

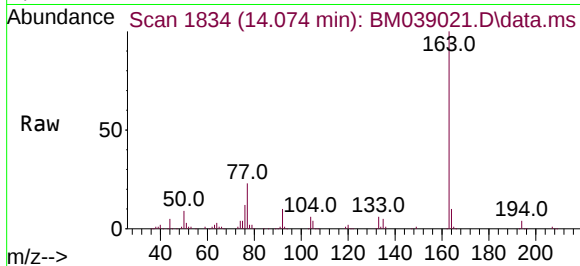
Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.8	23.8
153	12.5	10.4	15.6





#50
Dimethylphthalate
Concen: 3.186 ng
RT: 14.074 min Scan# 1834
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

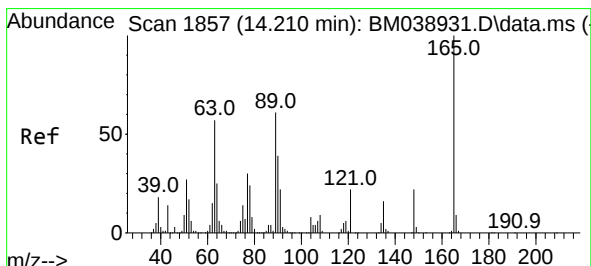
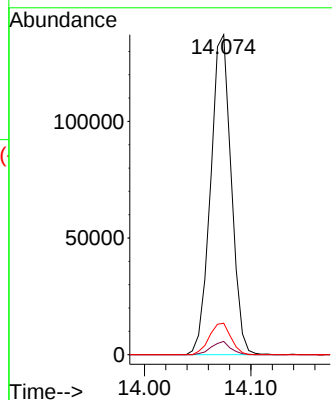
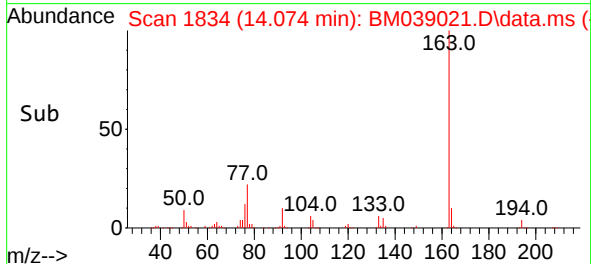
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



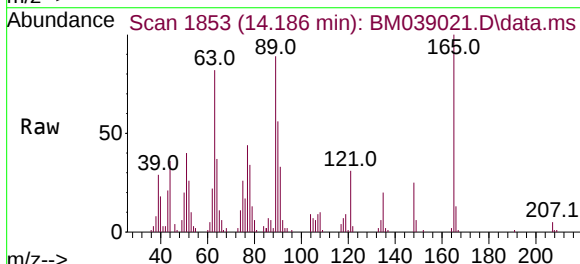
Tgt Ion:163 Resp: 184944
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 9.9 8.1 12.1

Manual Integrations
APPROVED

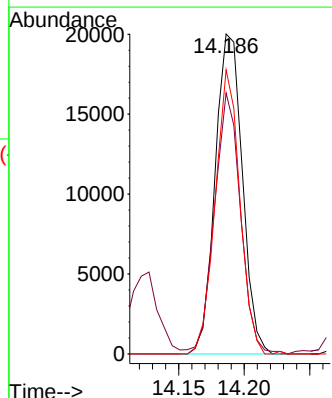
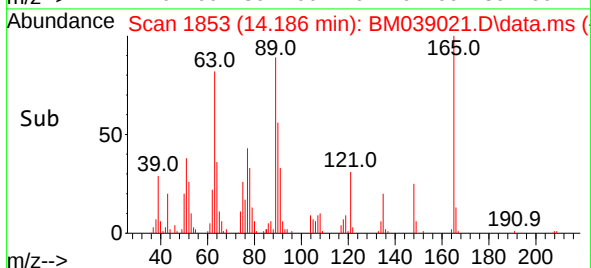
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

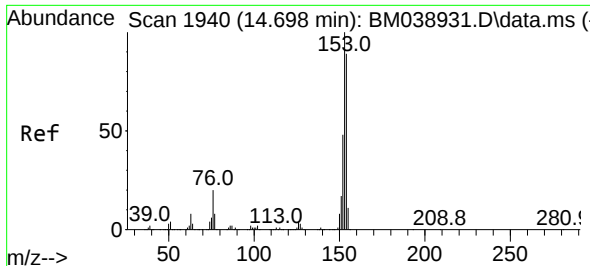


#51
2,6-Dinitrotoluene
Concen: 2.447 ng
RT: 14.186 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13



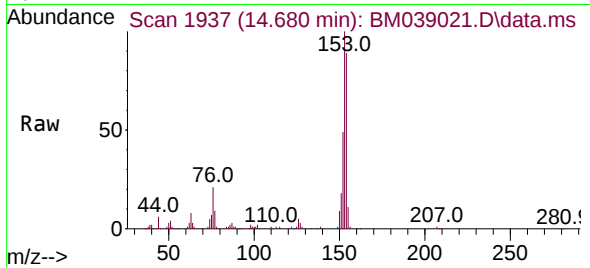
Tgt Ion:165 Resp: 28883
Ion Ratio Lower Upper
165 100
63 81.5 46.6 70.0#
89 88.8 48.6 73.0#





#52
Acenaphthene
Concen: 3.182 ng
RT: 14.680 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

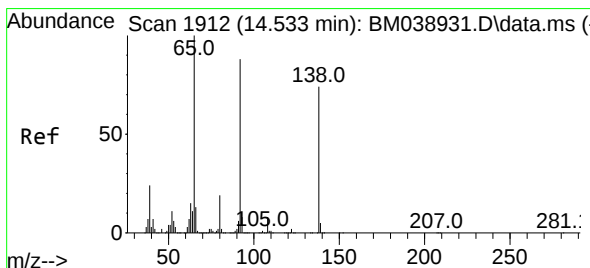
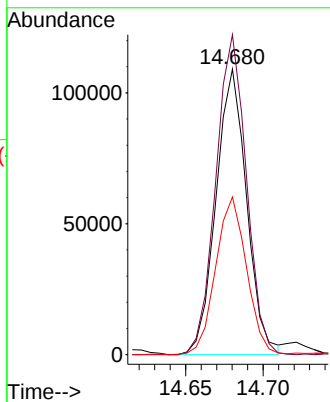
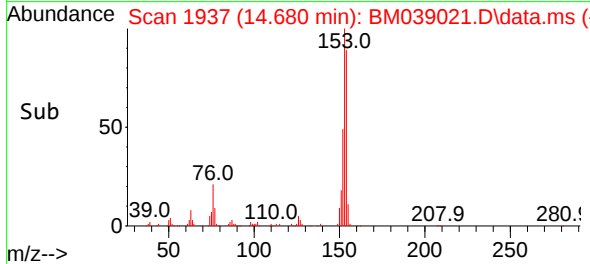
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:154 Resp: 150135
Ion Ratio Lower Upper
154 100
153 112.1 90.2 135.2
152 55.2 43.4 65.2

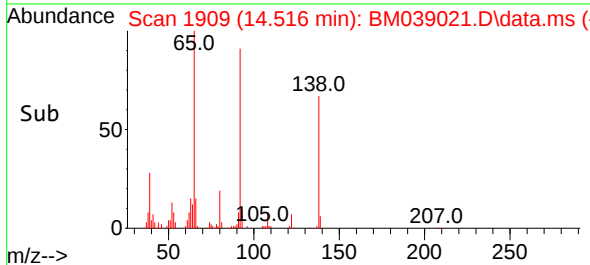
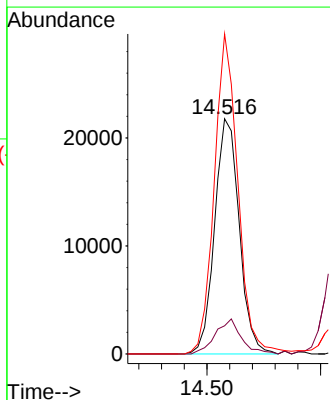
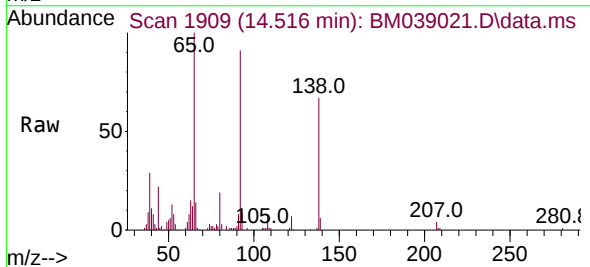
Manual Integrations
APPROVED

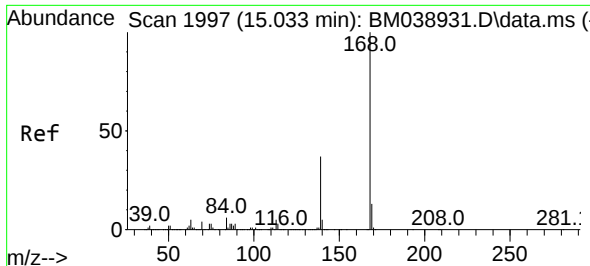
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#53
3-Nitroaniline
Concen: 2.391 ng
RT: 14.516 min Scan# 1909
Delta R.T. -0.005 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

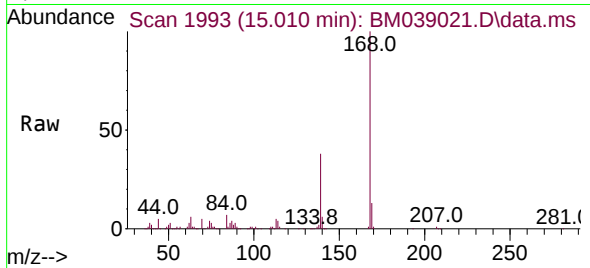
Tgt Ion:138 Resp: 32714
Ion Ratio Lower Upper
138 100
108 12.0 8.3 12.5
92 136.1 95.8 143.8





#55
Dibenzofuran
Concen: 3.233 ng
RT: 15.010 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

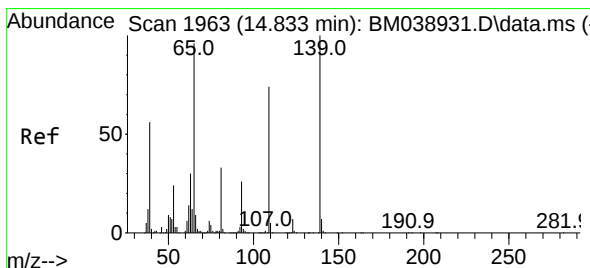
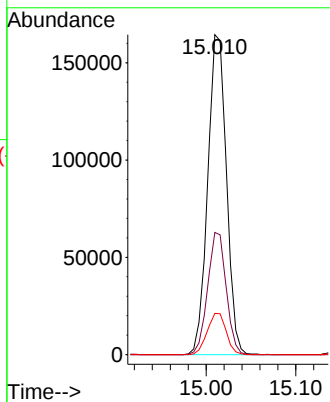
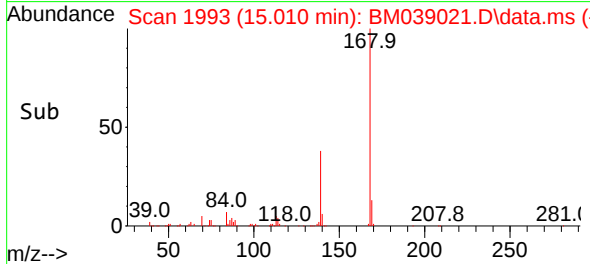
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



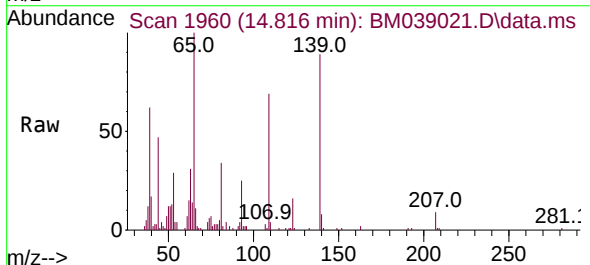
Tgt Ion:168 Resp: 238652
Ion Ratio Lower Upper
168 100
139 38.2 29.9 44.9
169 12.9 10.7 16.1

Manual Integrations
APPROVED

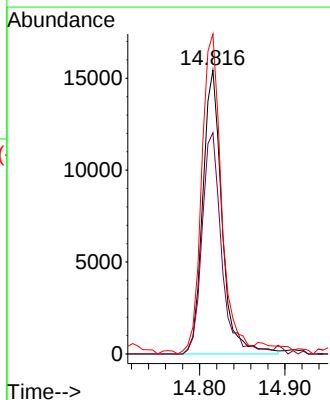
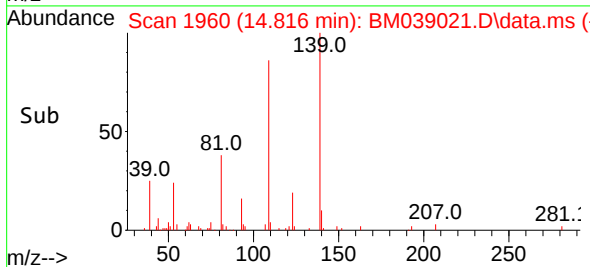
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

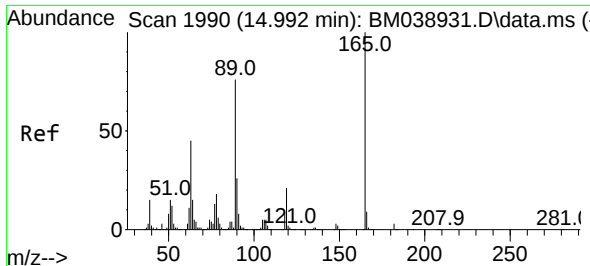


#56
4-Nitrophenol
Concen: 2.088 ng
RT: 14.816 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13



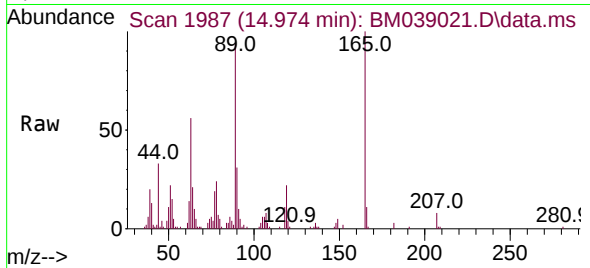
Tgt Ion:139 Resp: 24076
Ion Ratio Lower Upper
139 100
109 77.9 53.5 93.5
65 112.8 76.4 116.4





#57
2,4-Dinitrotoluene
Concen: 2.215 ng
RT: 14.974 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

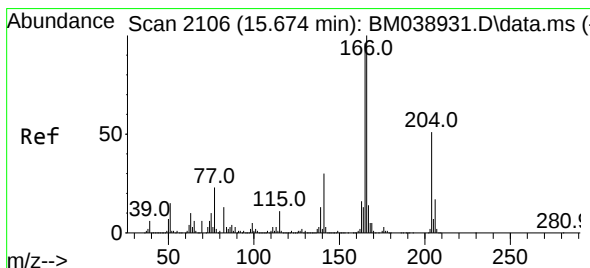
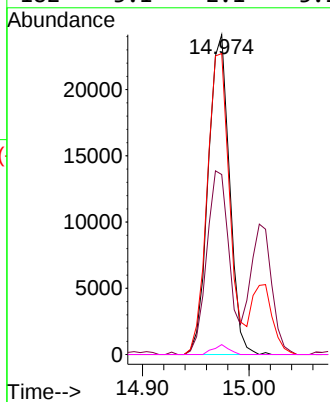
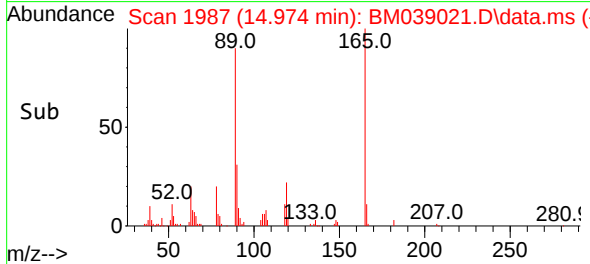
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:165 Resp: 3348
Ion Ratio Lower Upper
165 100
63 56.3 35.9 53.9
89 94.1 61.0 91.6
182 3.1 2.1 3.1

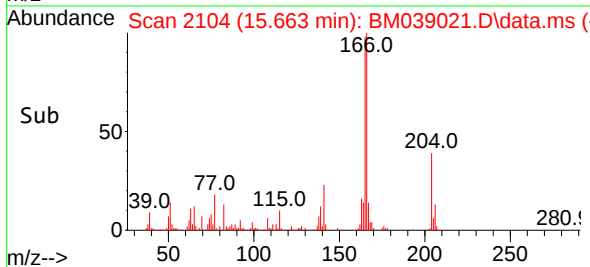
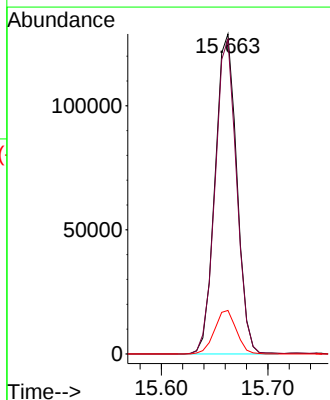
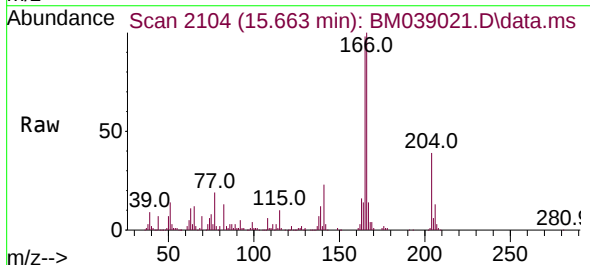
Manual Integrations
APPROVED

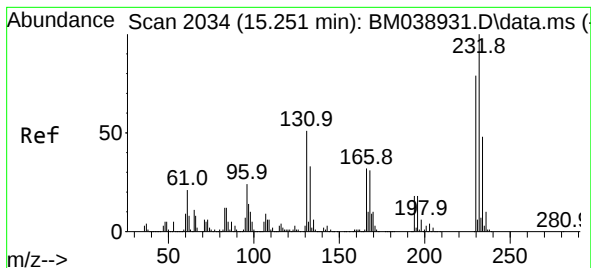
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#58
Fluorene
Concen: 3.155 ng
RT: 15.663 min Scan# 2104
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

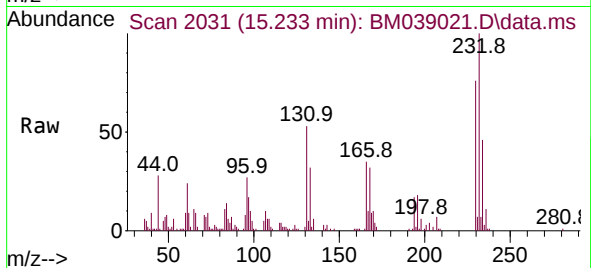
Tgt Ion:166 Resp: 182439
Ion Ratio Lower Upper
166 100
165 98.3 77.1 115.7
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 2.830 ng
RT: 15.233 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

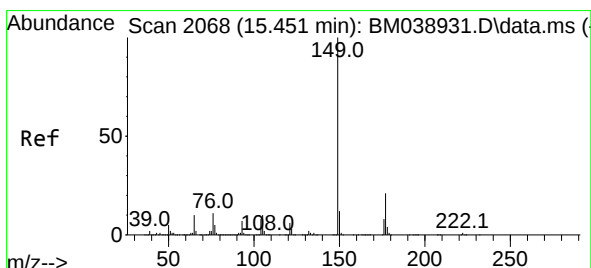
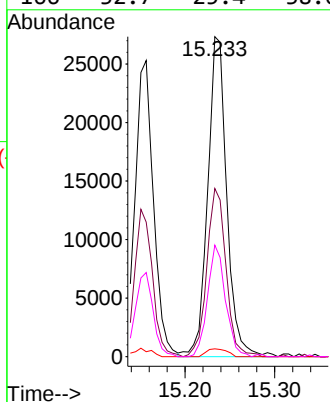
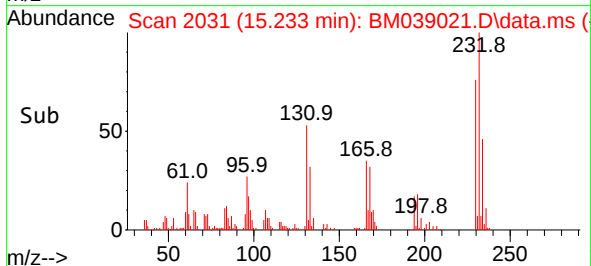
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:232 Resp: 40572
Ion Ratio Lower Upper
232 100
131 52.8 40.0 60.0
130 2.6 2.0 3.0
166 32.7 25.4 38.0

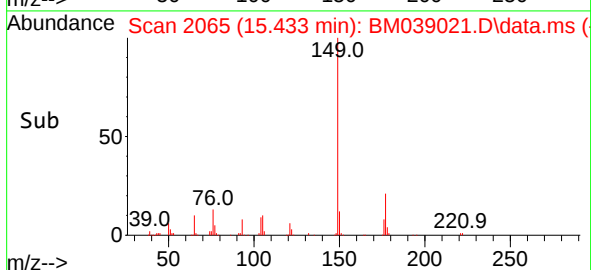
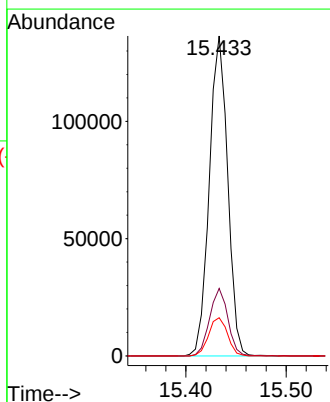
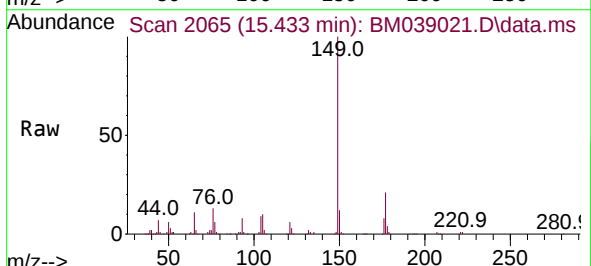
Manual Integrations
APPROVED

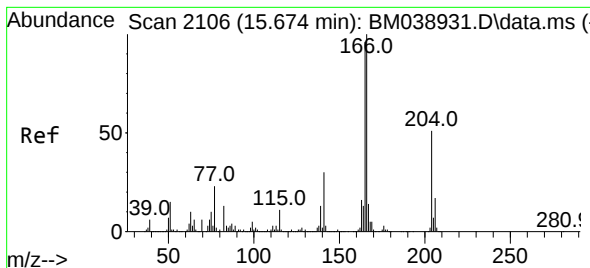
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#60
Diethylphthalate
Concen: 3.062 ng
RT: 15.433 min Scan# 2065
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

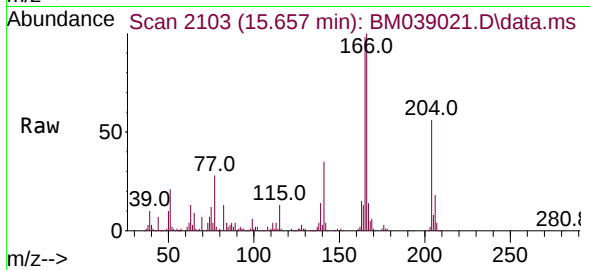
Tgt Ion:149 Resp: 172947
Ion Ratio Lower Upper
149 100
177 21.1 17.1 25.7
150 11.9 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 3.104 ng
RT: 15.657 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

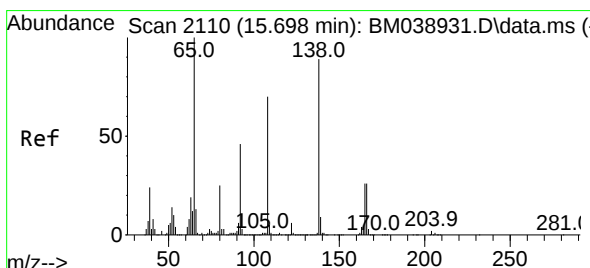
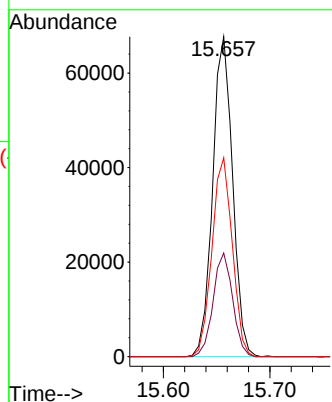
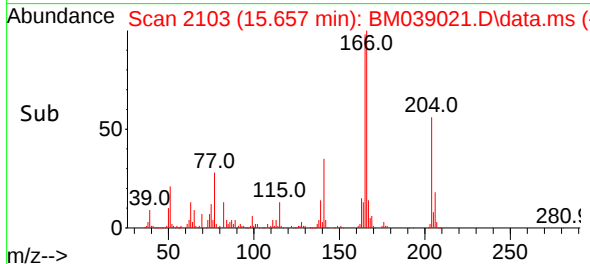
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



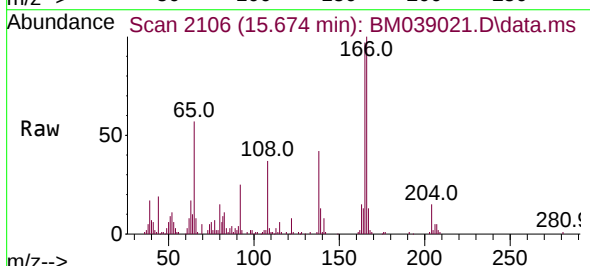
Tgt Ion:204 Resp: 88180
Ion Ratio Lower Upper
204 100
206 32.4 26.4 39.6
141 62.1 46.4 69.6

Manual Integrations
APPROVED

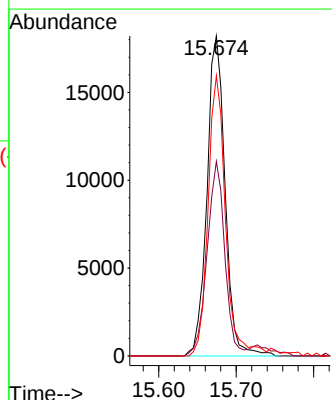
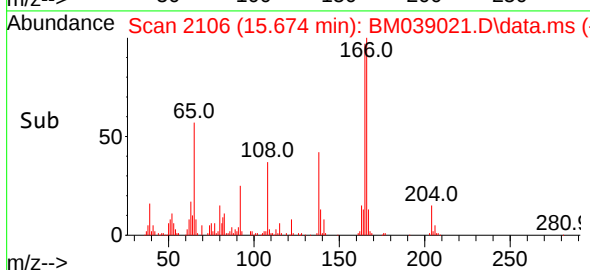
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

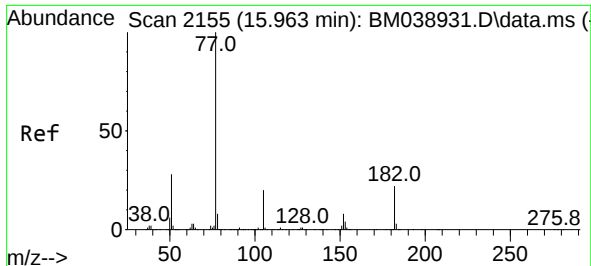


#62
4-Nitroaniline
Concen: 2.168 ng
RT: 15.674 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13



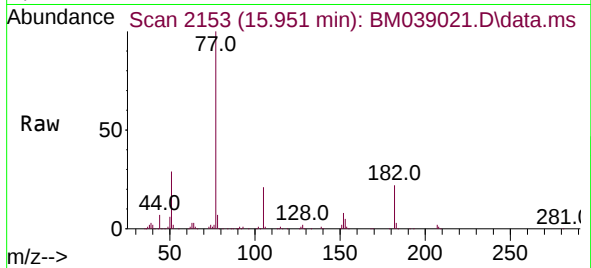
Tgt Ion:138 Resp: 29602
Ion Ratio Lower Upper
138 100
92 60.8 31.6 71.6
108 87.5 58.6 98.6





#63
Azobenzene
Concen: 2.911 ng
RT: 15.951 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

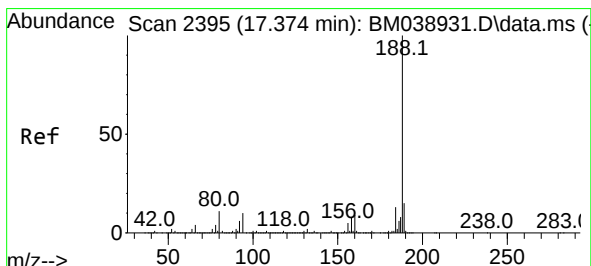
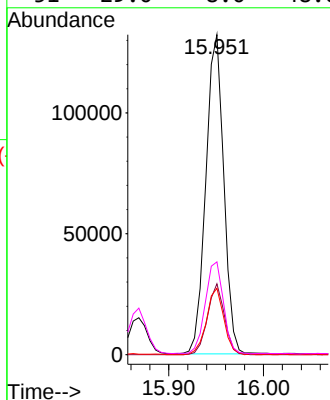
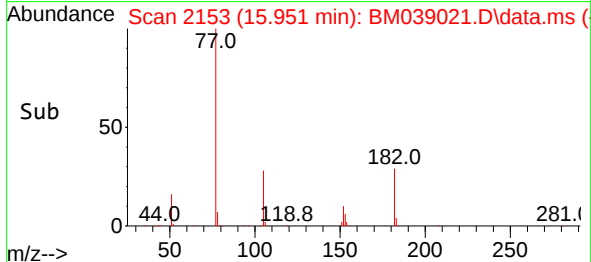
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 77 Resp: 173990
Ion Ratio Lower Upper
77 100
182 22.1 2.0 42.0
105 20.7 0.4 40.4
51 29.0 8.0 48.0

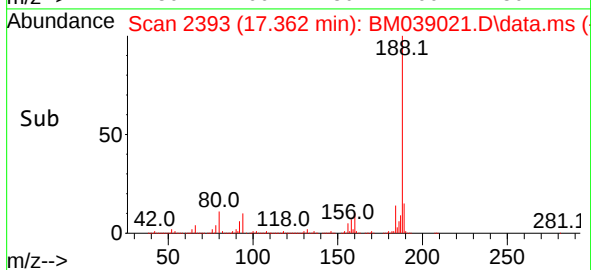
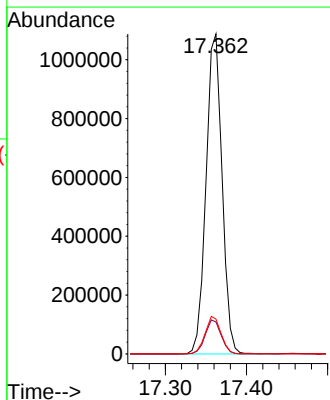
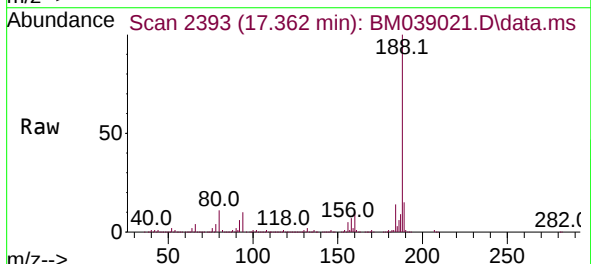
Manual Integrations
APPROVED

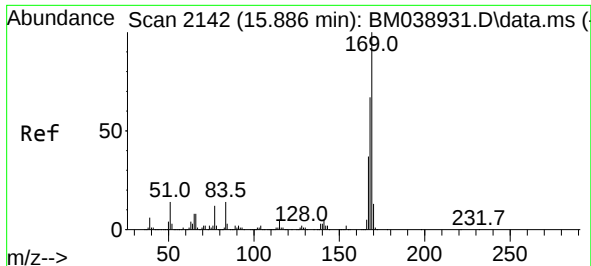
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.362 min Scan# 2393
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

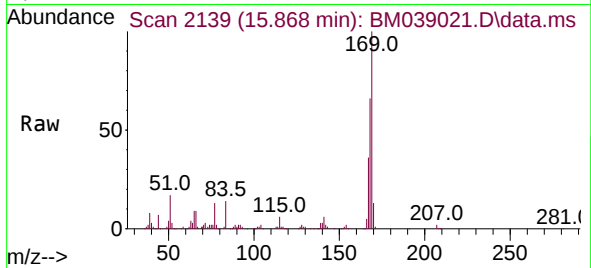
Tgt Ion:188 Resp: 1493343
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.9 8.5 12.7





#66
n-Nitrosodiphenylamine
Concen: 2.895 ng
RT: 15.868 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

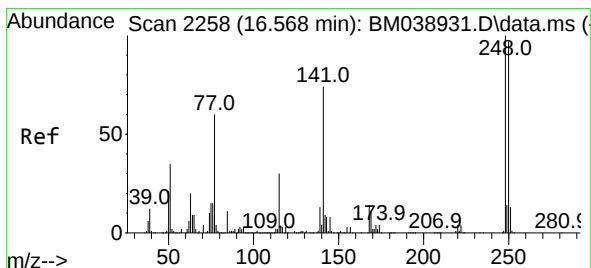
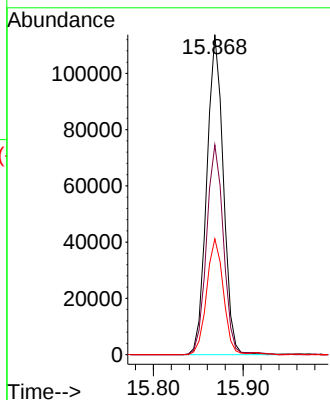
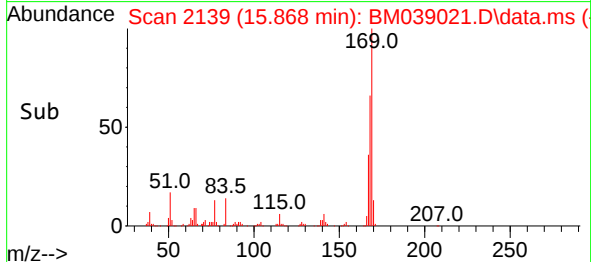
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



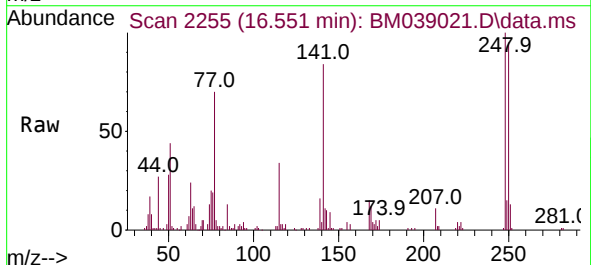
Tgt Ion:169 Resp: 145746
Ion Ratio Lower Upper
169 100
168 65.5 53.4 80.0
167 36.2 29.4 44.0

Manual Integrations
APPROVED

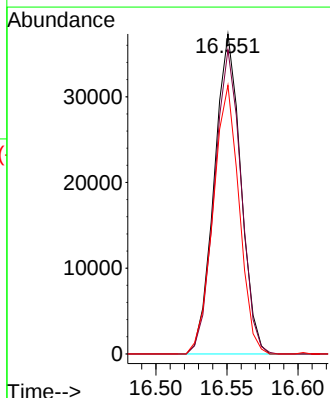
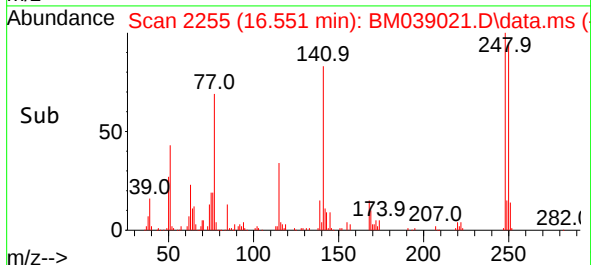
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

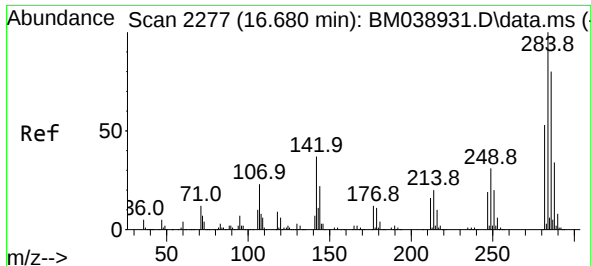


#67
4-Bromophenyl-phenylether
Concen: 2.996 ng
RT: 16.551 min Scan# 2255
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13



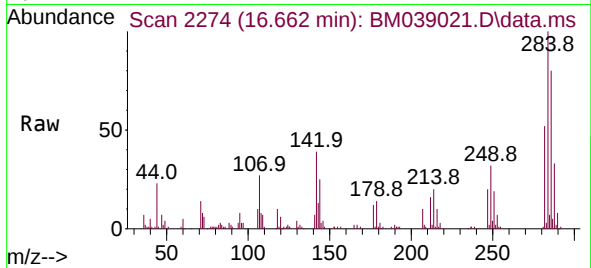
Tgt Ion:248 Resp: 48329
Ion Ratio Lower Upper
248 100
250 95.1 77.8 116.8
141 84.0 59.0 88.4





#68
Hexachlorobenzene
Concen: 3.163 ng
RT: 16.662 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

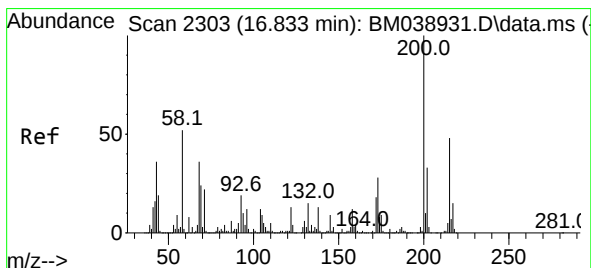
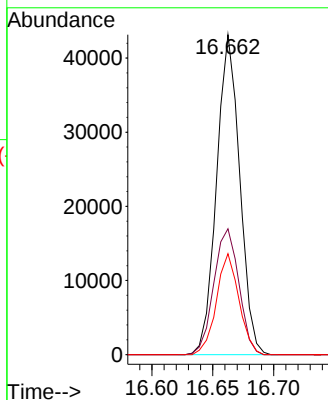
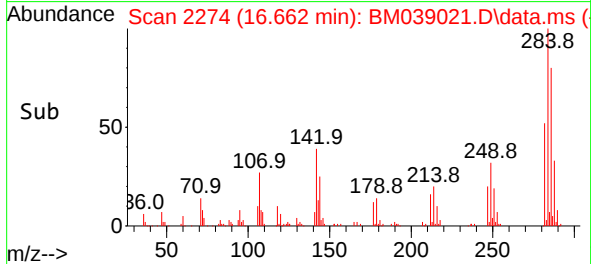
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



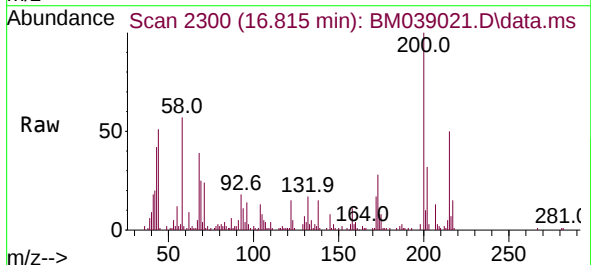
Tgt Ion:284 Resp: 57028
Ion Ratio Lower Upper
284 100
142 39.3 29.5 44.3
249 31.5 25.0 37.4

Manual Integrations
APPROVED

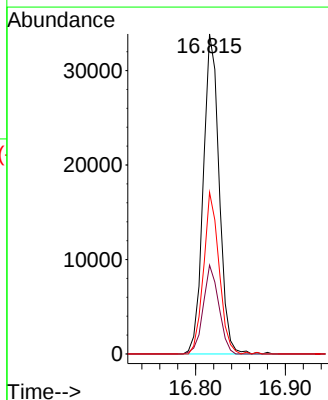
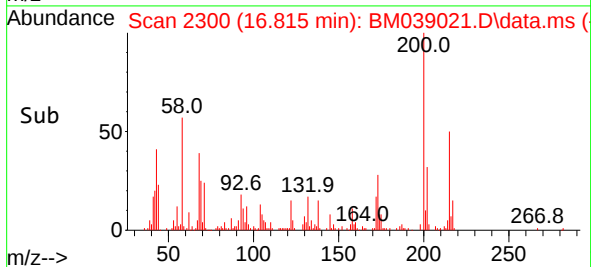
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

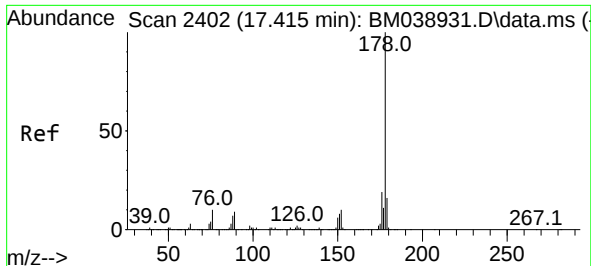


#69
Atrazine
Concen: 3.037 ng
RT: 16.815 min Scan# 2300
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13



Tgt Ion:200 Resp: 41765
Ion Ratio Lower Upper
200 100
173 27.7 8.2 48.2
215 50.5 27.8 67.8





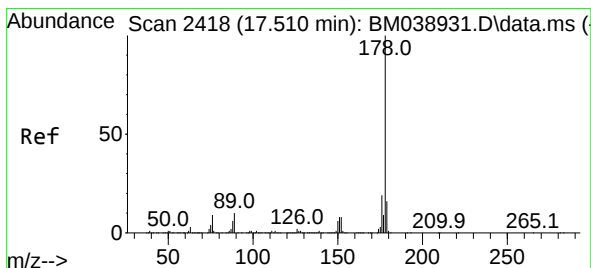
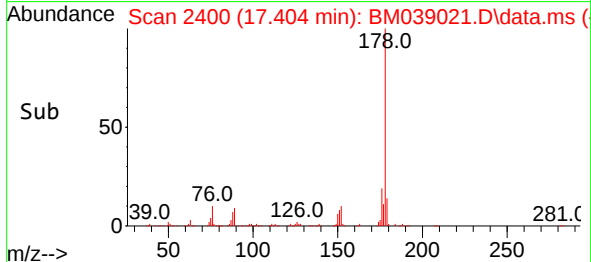
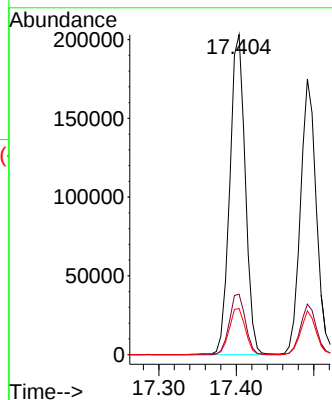
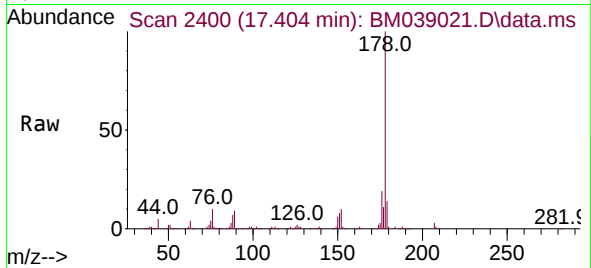
#71
Phenanthrene
Concen: 3.224 ng
RT: 17.404 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

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

Tgt Ion:178 Resp: 282563
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 14.4 12.5 18.7

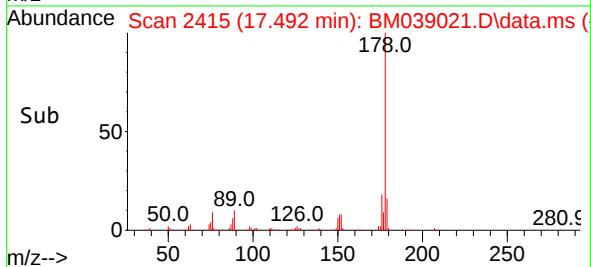
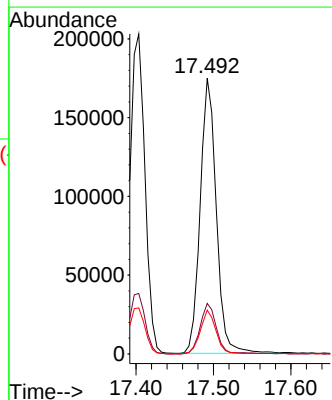
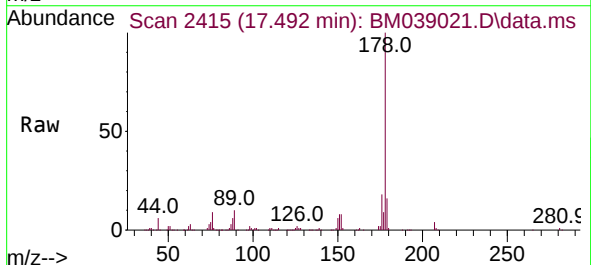
Manual Integrations
APPROVED

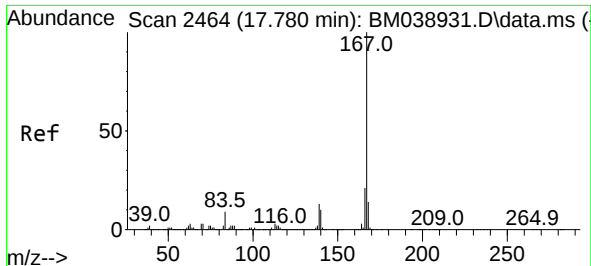
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#72
Anthracene
Concen: 2.884 ng
RT: 17.492 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

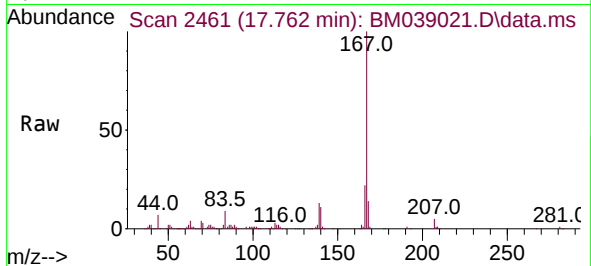
Tgt Ion:178 Resp: 252112
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.9 12.5 18.7





#73
 Carbazole
 Concen: 2.913 ng
 RT: 17.762 min Scan# 2461
 Delta R.T. 0.000 min
 Lab File: BM039021.D
 Acq: 16 Mar 2023 18:13

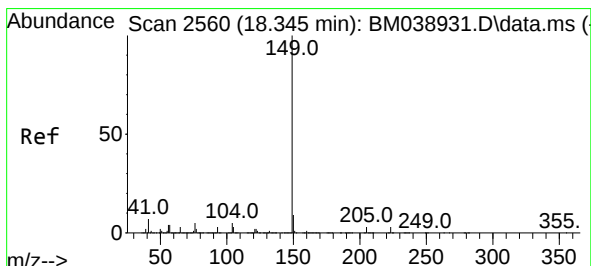
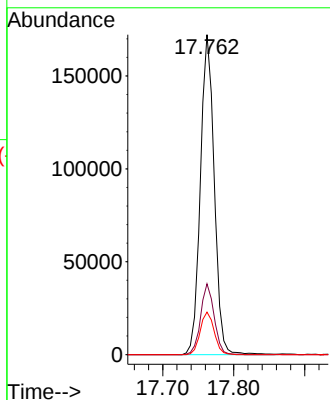
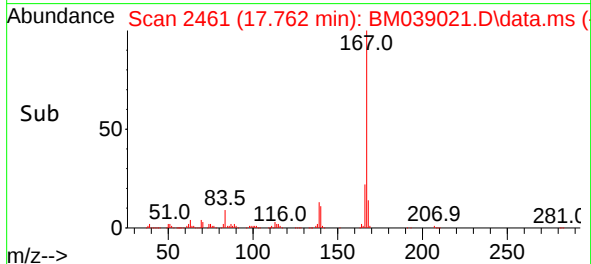
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023



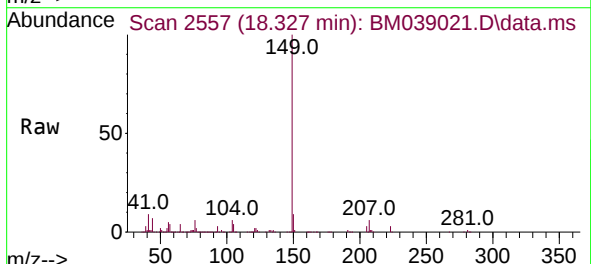
Tgt Ion:167 Resp: 232410
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.0 25.4
 139 13.3 10.3 15.5

Manual Integrations
 APPROVED

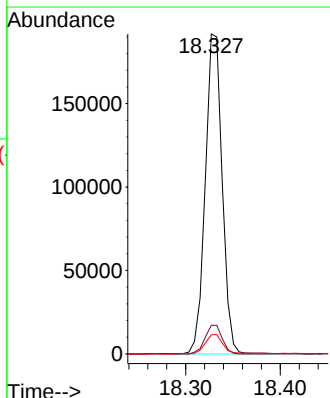
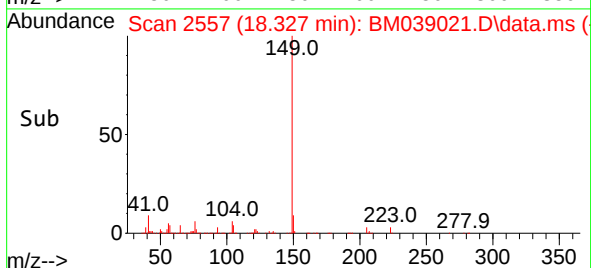
Reviewed By :Christian Giraldo 03/17/2023
 Supervised By :Jagrut Upadhyay 03/17/2023

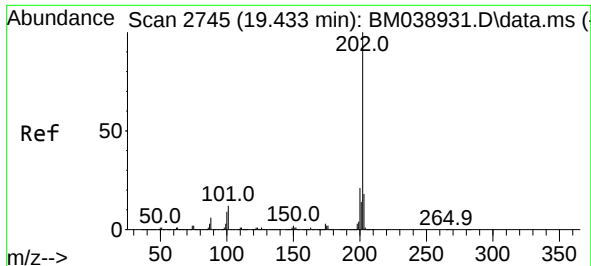


#74
 Di-n-butylphthalate
 Concen: 2.691 ng
 RT: 18.327 min Scan# 2557
 Delta R.T. 0.000 min
 Lab File: BM039021.D
 Acq: 16 Mar 2023 18:13



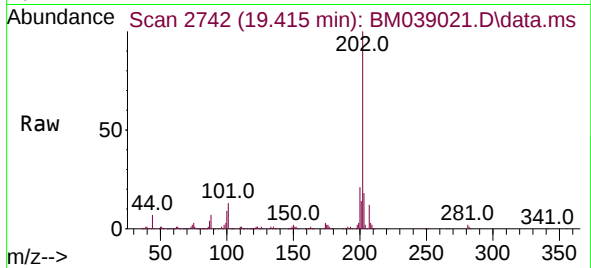
Tgt Ion:149 Resp: 238434
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.4 11.2
 104 6.0 4.3 6.5





#75
Fluoranthene
Concen: 2.917 ng
RT: 19.415 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

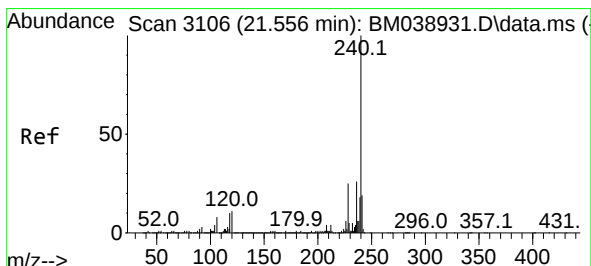
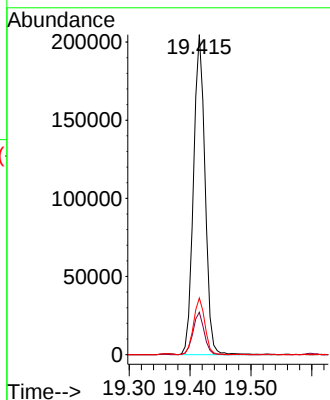
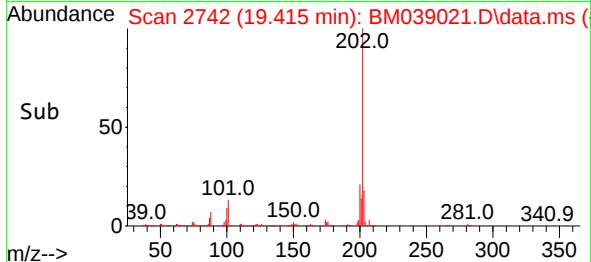
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



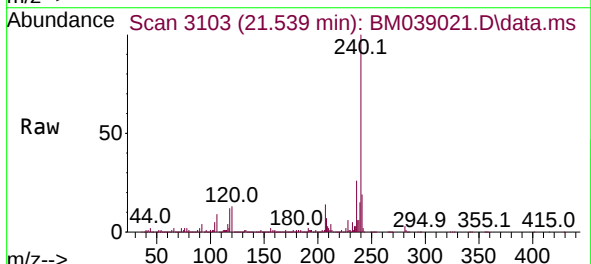
Tgt Ion:202 Resp: 269932
Ion Ratio Lower Upper
202 100
101 13.2 0.0 31.7
203 17.7 0.0 37.6

Manual Integrations
APPROVED

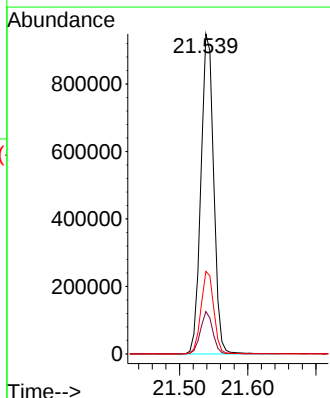
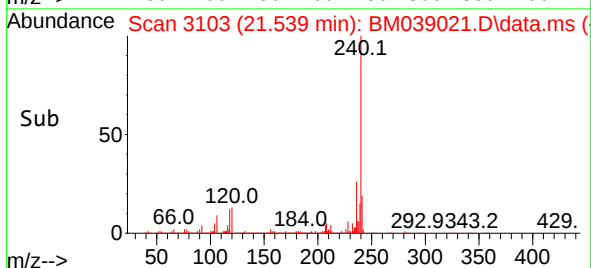
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

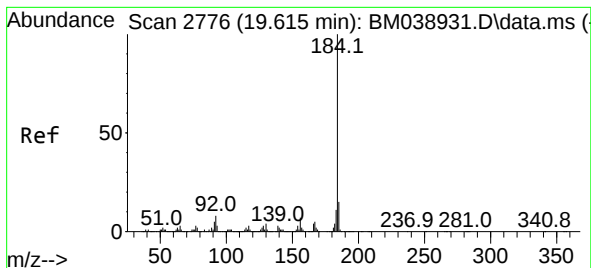


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.539 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13



Tgt Ion:240 Resp: 1235775
Ion Ratio Lower Upper
240 100
120 13.2 9.2 13.8
236 25.8 20.8 31.2





#77

Benzidine

Concen: 4.104 ng

RT: 19.603 min Scan# 21

Delta R.T. 0.005 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

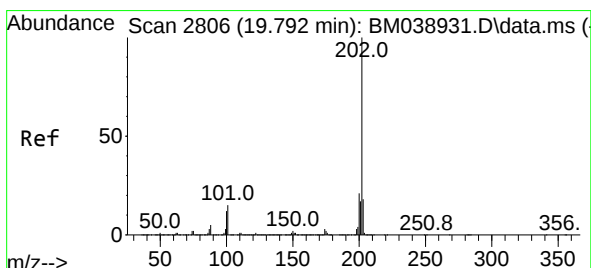
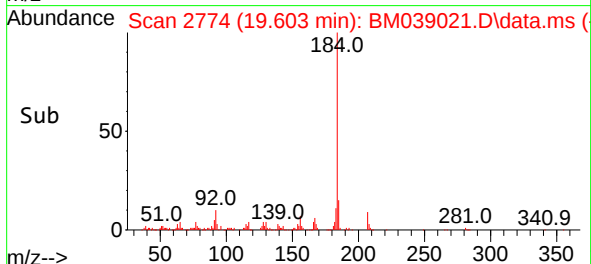
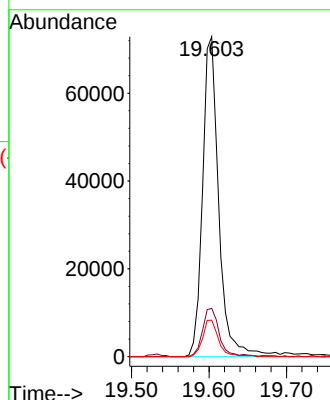
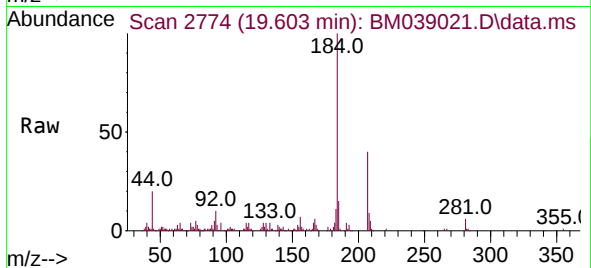
Tgt Ion:184 Resp: 105705
 Ion Ratio Lower Upper
 184 100
 185 15.1 12.2 18.4
 183 11.4 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#78

Pyrene

Concen: 3.127 ng

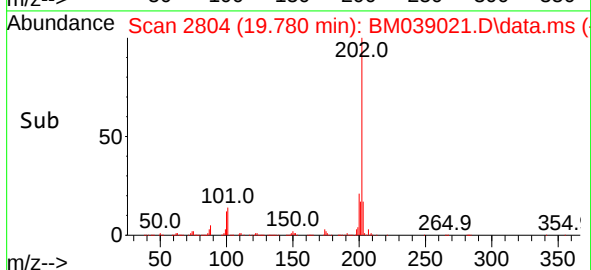
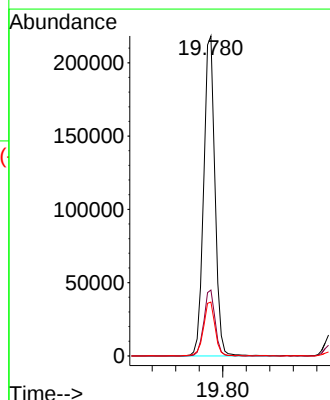
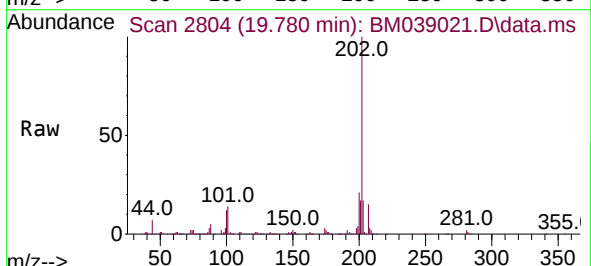
RT: 19.780 min Scan# 2804

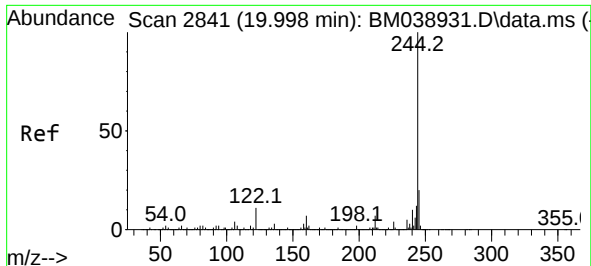
Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

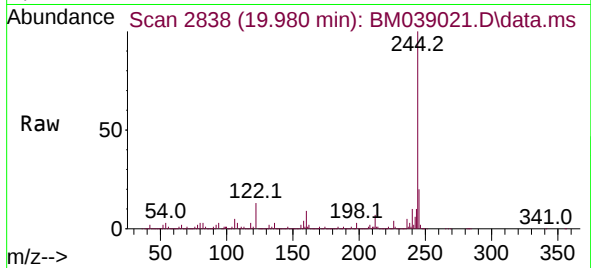
Tgt Ion:202 Resp: 290193
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.1 25.7
 203 16.8 14.1 21.1





#79
Terphenyl-d14
Concen: 77.404 ng
RT: 19.980 min Scan# 2841
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

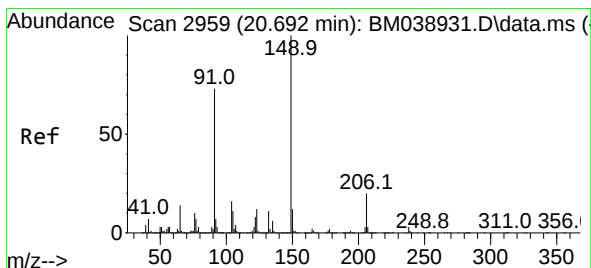
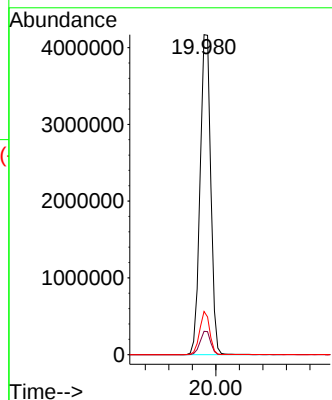
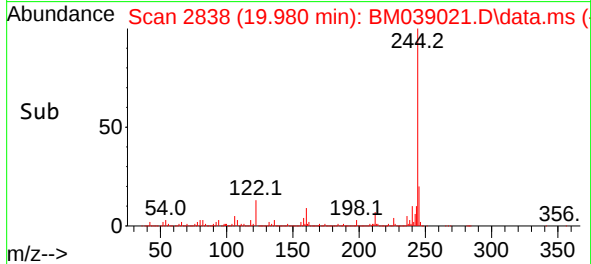
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:244 Resp: 5231773
Ion Ratio Lower Upper
244 100
212 7.3 5.5 8.3
122 13.5 9.0 13.4

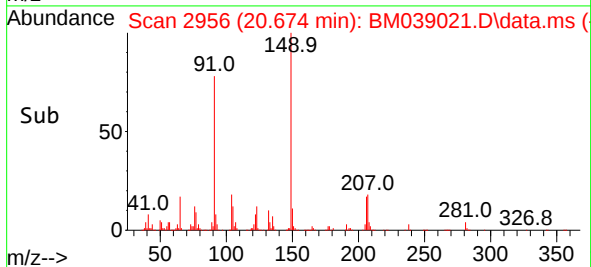
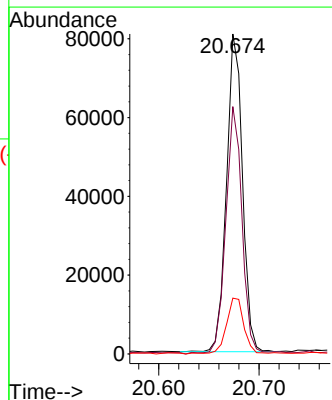
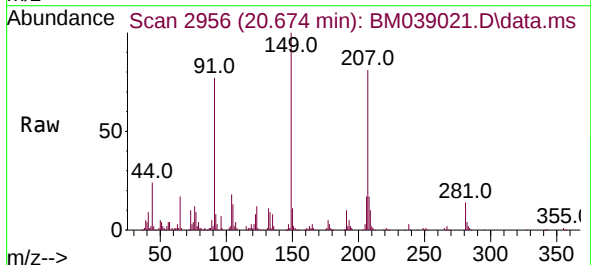
Manual Integrations
APPROVED

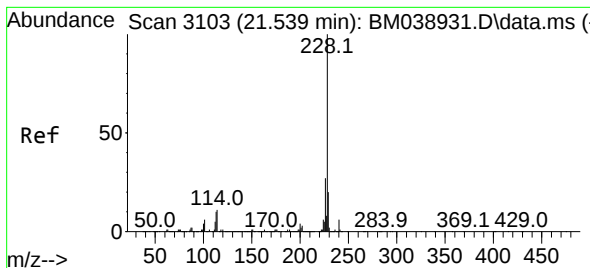
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#80
Butylbenzylphthalate
Concen: 2.593 ng
RT: 20.674 min Scan# 2956
Delta R.T. -0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:149 Resp: 89383
Ion Ratio Lower Upper
149 100
91 77.3 58.4 87.6
206 17.4 16.1 24.1





#81

Benzo(a)anthracene

Concen: 3.064 ng

RT: 21.527 min Scan# 3103

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

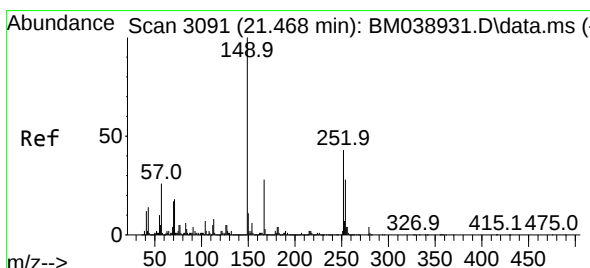
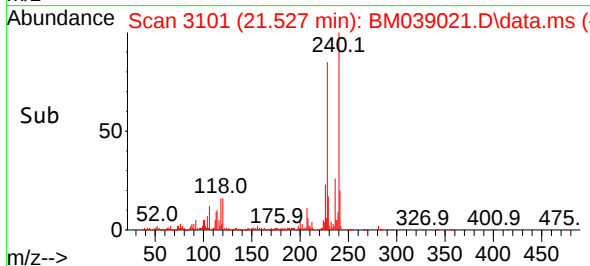
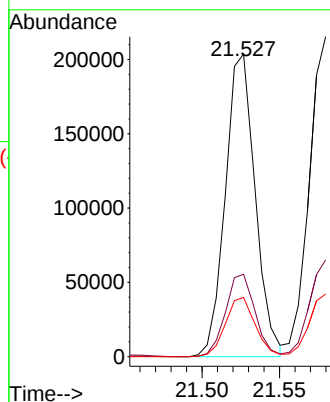
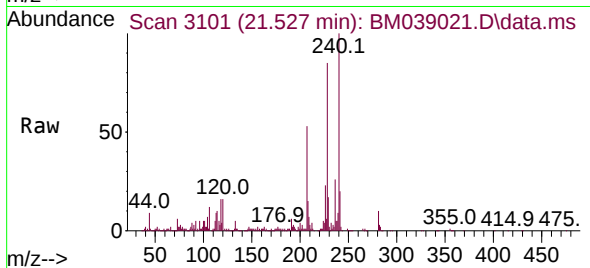
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:228	Resp: 27266
Ion Ratio	Lower Upper
228 100	
226 27.2	21.4 32.2
229 19.5	15.7 23.5

Manual Integrations

APPROVED

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



#82

3,3'-Dichlorobenzidine

Concen: 2.988 ng

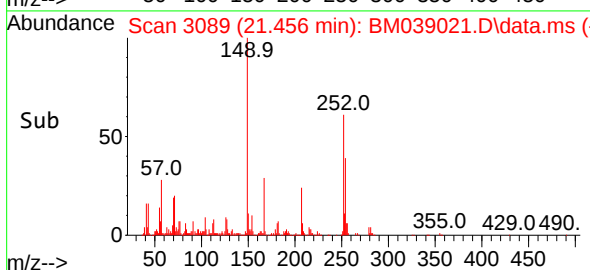
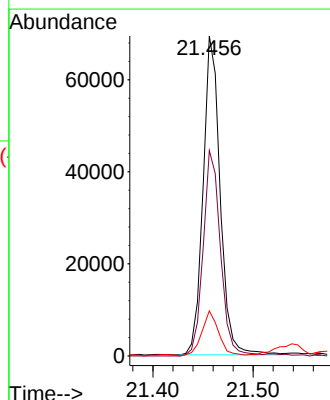
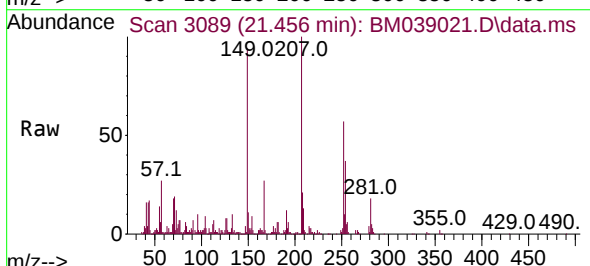
RT: 21.456 min Scan# 3089

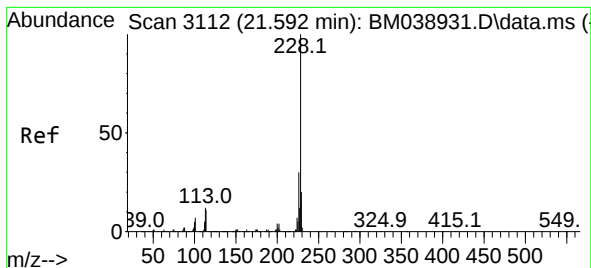
Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Tgt Ion:252	Resp: 81722
Ion Ratio	Lower Upper
252 100	
254 64.2	51.5 77.3
126 14.1	9.9 14.9





#83

Chrysene

Concen: 3.175 ng

RT: 21.580 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

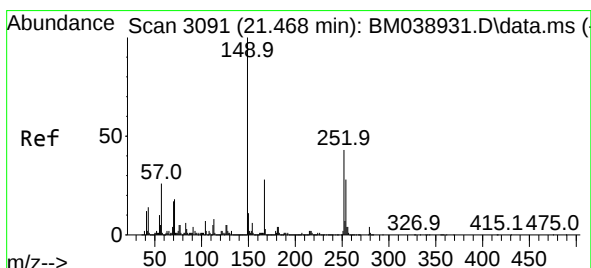
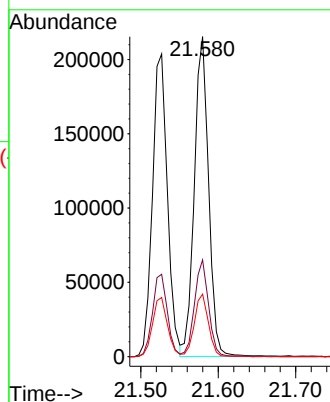
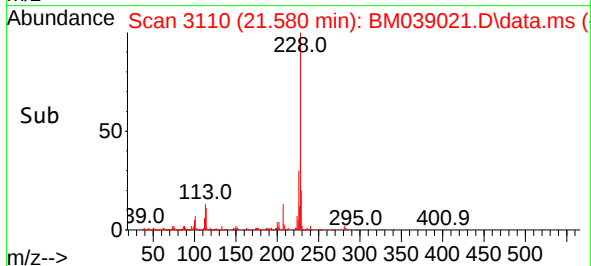
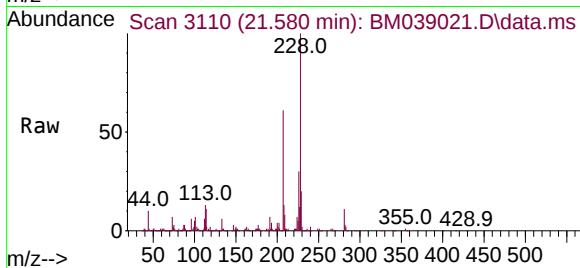
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:228 Resp: 274800
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.0 36.0
 229 19.5 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: 2.550 ng

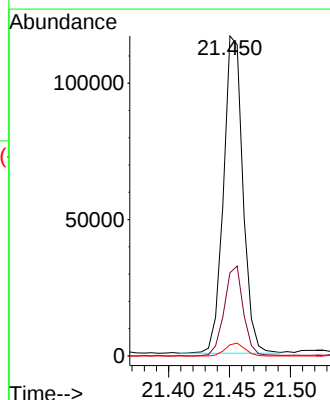
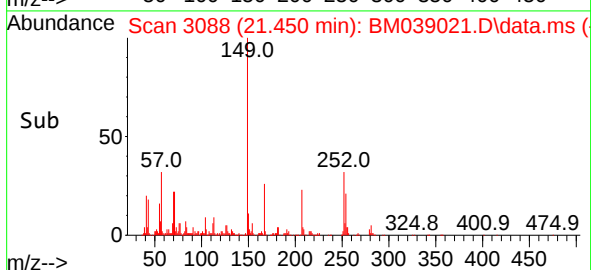
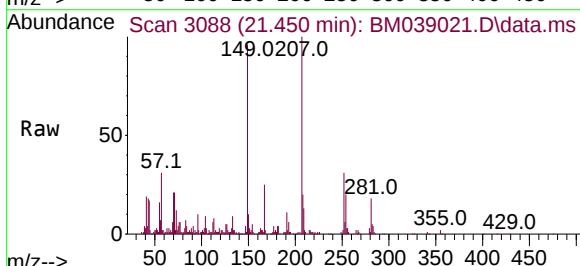
RT: 21.450 min Scan# 3088

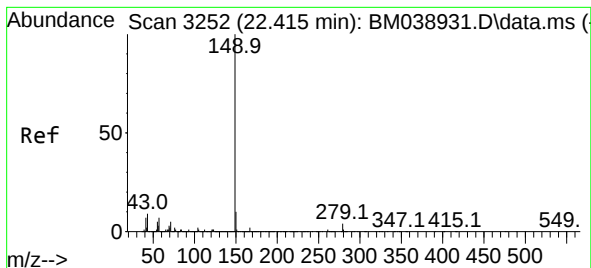
Delta R.T. 0.000 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

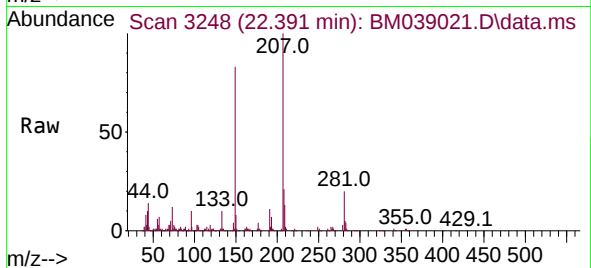
Tgt Ion:149 Resp: 128984
 Ion Ratio Lower Upper
 149 100
 167 26.0 22.3 33.5
 279 3.5 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 2.214 ng
RT: 22.391 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

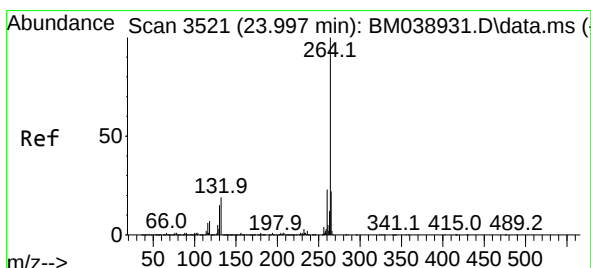
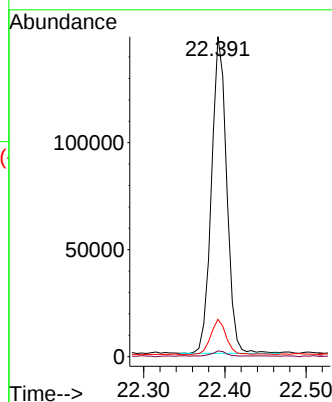
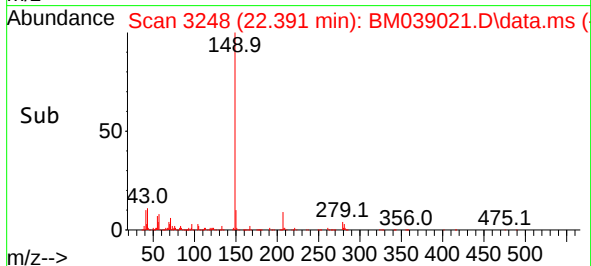
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:149 Resp: 19341
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.4 7.4 11.2

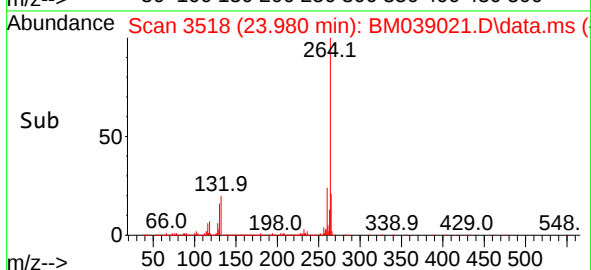
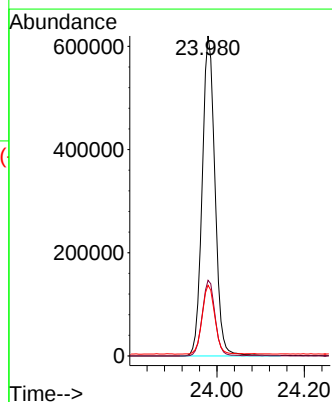
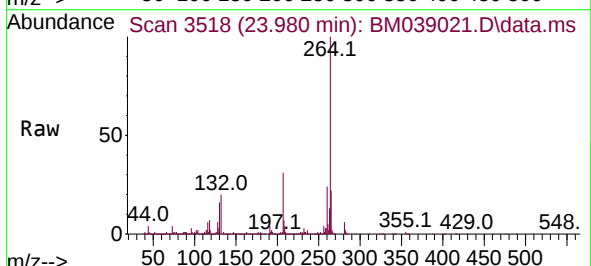
Manual Integrations
APPROVED

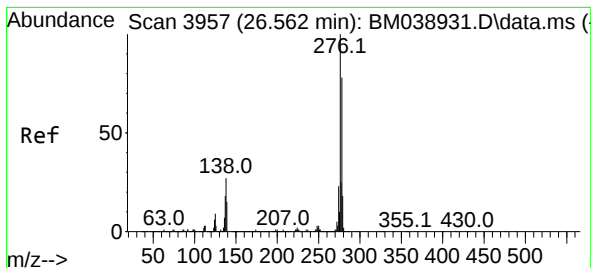
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.980 min Scan# 3518
Delta R.T. 0.000 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:264 Resp: 1252468
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 22.1 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.782 ng

RT: 26.509 min Scan# 3948

Delta R.T. -0.012 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

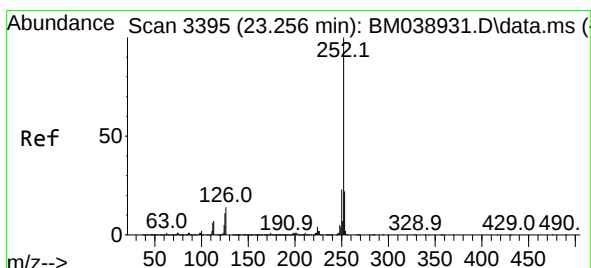
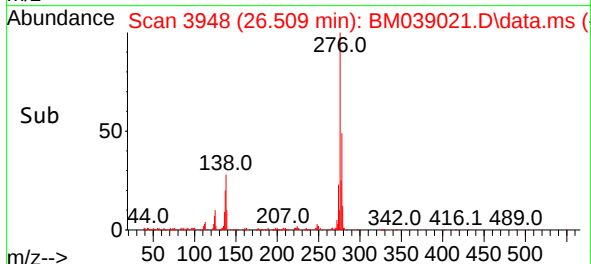
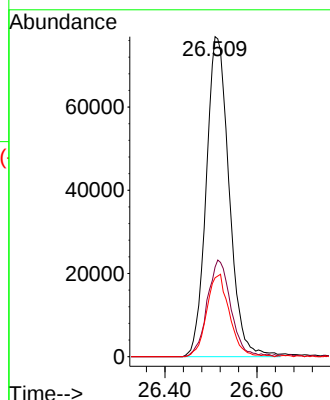
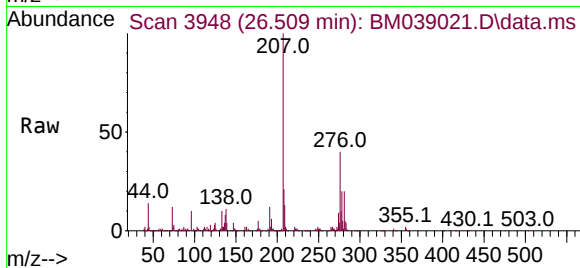
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:	276	Resp:	26515
Ion Ratio	Lower	Upper	
276	100		
138	31.1	22.1	33.1
277	25.5	20.1	30.1

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 3.152 ng

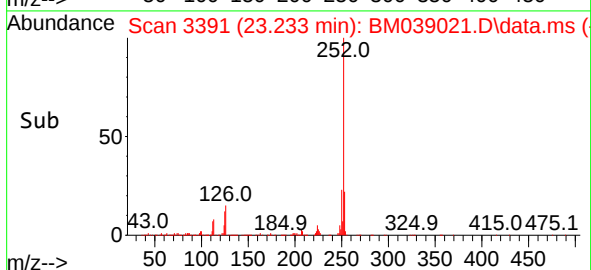
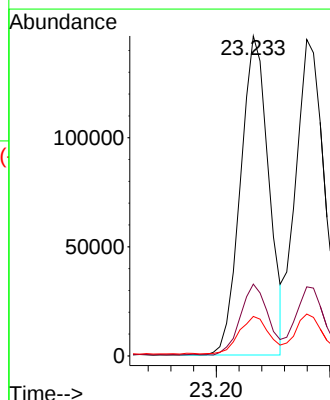
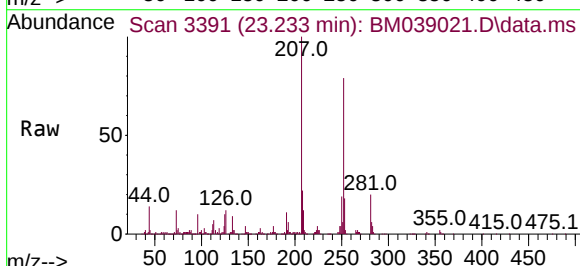
RT: 23.233 min Scan# 3391

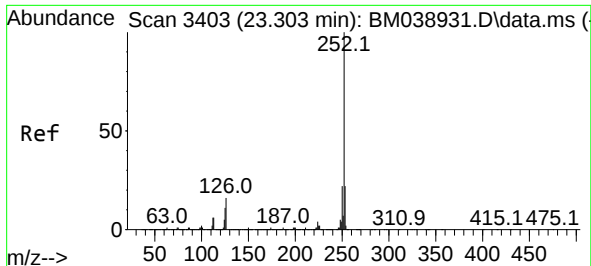
Delta R.T. -0.006 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

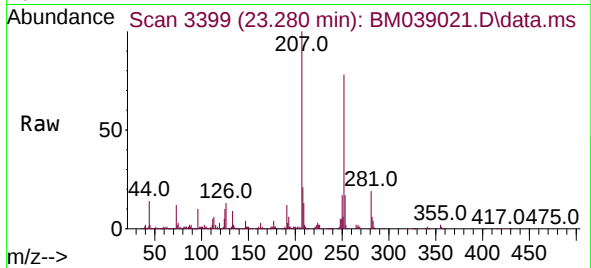
Tgt Ion:	252	Resp:	252247
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.6	26.4
125	12.3	8.8	13.2





#89
Benzo(k)fluoranthene
Concen: 3.101 ng
RT: 23.280 min Scan# 3403
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

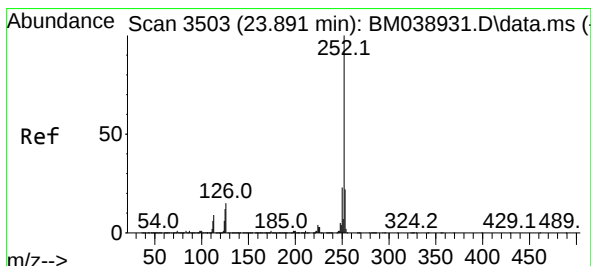
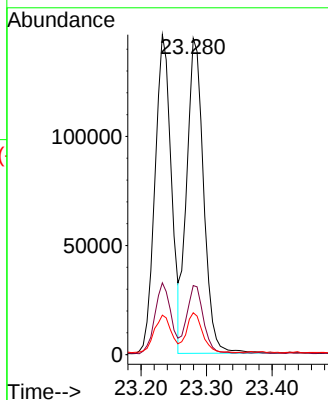
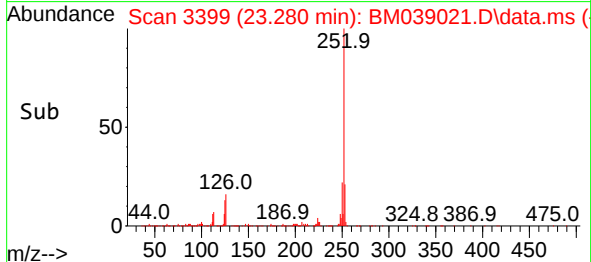
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:252 Resp: 258206
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 13.2 8.9 13.3

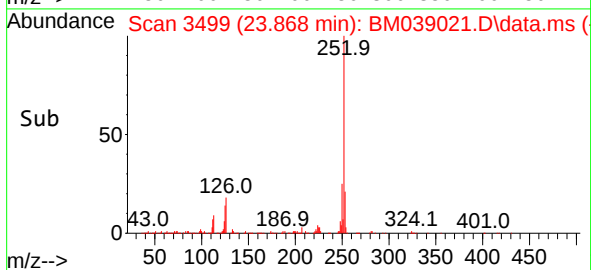
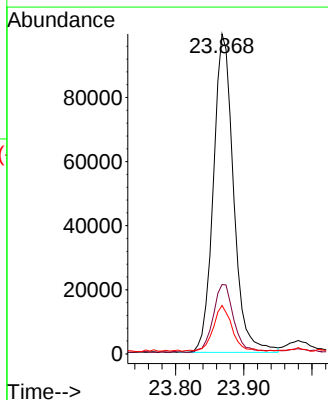
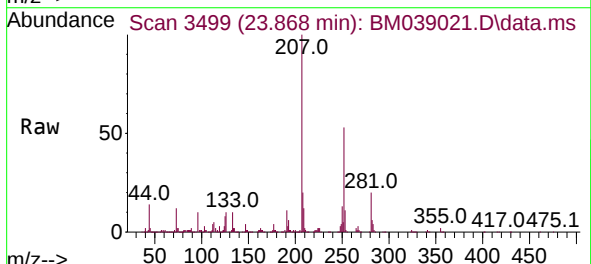
Manual Integrations
APPROVED

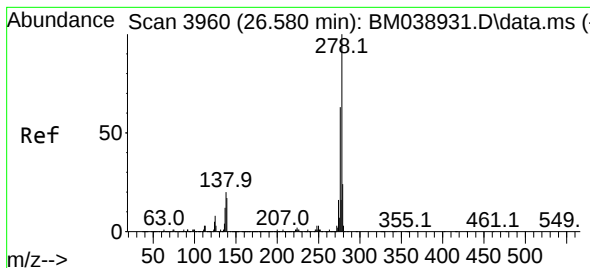
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#90
Benzo(a)pyrene
Concen: 2.644 ng
RT: 23.868 min Scan# 3499
Delta R.T. -0.006 min
Lab File: BM039021.D
Acq: 16 Mar 2023 18:13

Tgt Ion:252 Resp: 203601
Ion Ratio Lower Upper
252 100
253 21.7 17.6 26.4
125 15.1 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 2.838 ng

RT: 26.527 min Scan# 39

Delta R.T. -0.012 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

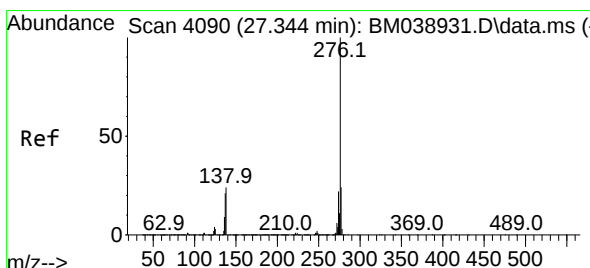
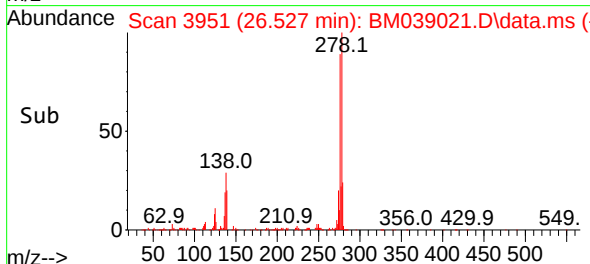
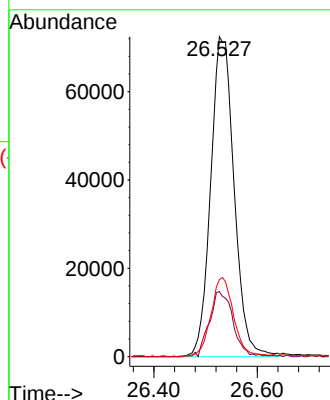
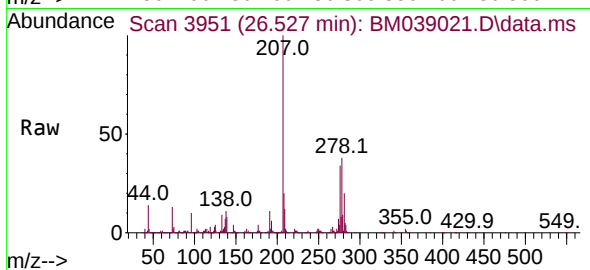
Tgt Ion:	278	Resp:	22908
Ion Ratio	Lower	Upper	
278	100		
139	20.3	13.7	20.5
279	24.1	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#92

Benzo(g,h,i)perylene

Concen: 2.822 ng

RT: 27.291 min Scan# 4081

Delta R.T. -0.012 min

Lab File: BM039021.D

Acq: 16 Mar 2023 18:13

Tgt Ion:	276	Resp:	222851
Ion Ratio	Lower	Upper	
276	100		
277	22.9	19.3	28.9
138	25.6	19.0	28.6

