

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032023\
 Data File : BM039039.D
 Acq On : 20 Mar 2023 11:38
 Operator : CG/JU
 Sample : 01627-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 21 04:04:54 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 05:25:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/21/2023
 Supervised By : Jagrut Upadhyay 03/21/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	355305	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	1466860	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	916518	20.000	ng	0.00
64) Phenanthrene-d10	17.357	188	1935634	20.000	ng	0.00
76) Chrysene-d12	21.533	240	1789904	20.000	ng	0.00
86) Perylene-d12	23.968	264	1834696	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	2579866	110.316	ng	0.00
7) Phenol-d6	7.134	99	3411049	112.293	ng	0.00
23) Nitrobenzene-d5	9.139	82	2481794	83.108	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	1249848	117.881	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	5366790	76.228	ng	0.00
79) Terphenyl-d14	19.980	244	8130476	83.050	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.393	88	40023	3.847	ng	98
3) Pyridine	3.810	79	80706	2.797	ng	94
4) n-Nitrosodimethylamine	3.710	42	43412	3.697	ng	# 91
6) Aniline	7.298	93	146358	3.670	ng	98
8) 2-Chlorophenol	7.534	128	95754	3.846	ng	99
9) Benzaldehyde	7.110	77	92877m	6.425	ng	
10) Phenol	7.157	94	123119	3.817	ng	97
11) bis(2-Chloroethyl)ether	7.393	93	102553	3.910	ng	99
12) 1,3-Dichlorobenzene	7.863	146	103297	3.904	ng	99
13) 1,4-Dichlorobenzene	8.010	146	105714	3.928	ng	100
14) 1,2-Dichlorobenzene	8.328	146	104156	4.018	ng	100
15) Benzyl Alcohol	8.210	79	83935	3.855	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.498	45	144290	4.356	ng	99
17) 2-Methylphenol	8.416	107	76250	3.441	ng	99
18) Hexachloroethane	9.057	117	40086	4.037	ng	97
19) n-Nitroso-di-n-propyla...	8.781	70	80813	4.224	ng	97
20) 3+4-Methylphenols	8.739	107	97697	3.302	ng	97
22) Acetophenone	8.798	105	158820	3.859	ng	# 97
24) Nitrobenzene	9.181	77	128006	4.078	ng	96
25) Isophorone	9.710	82	215073	3.914	ng	100
26) 2-Nitrophenol	9.898	139	40506	5.731	ng	99
27) 2,4-Dimethylphenol	9.951	122	83858	3.502	ng	100
28) bis(2-Chloroethoxy)met...	10.192	93	139471	3.950	ng	100
29) 2,4-Dichlorophenol	10.428	162	74720	3.291	ng	95
30) 1,2,4-Trichlorobenzene	10.645	180	91193	3.676	ng	96
31) Naphthalene	10.833	128	309414	3.699	ng	100
32) Benzoic acid	10.010	122	27118	7.092	ng	99
33) 4-Chloroaniline	10.945	127	124037	3.480	ng	99
34) Hexachlorobutadiene	11.122	225	49413	3.473	ng	96
35) Caprolactam	11.710	113	24020m	3.477	ng	
36) 4-Chloro-3-methylphenol	12.063	107	85779	3.549	ng	98
37) 2-Methylnaphthalene	12.445	142	205123	3.659	ng	97
38) 1-Methylnaphthalene	12.663	142	195132	3.714	ng	98
40) 1,2,4,5-Tetrachloroben...	12.810	216	98846	3.317	ng	99
41) Hexachlorocyclopentadiene	12.786	237	54836	3.353	ng	99
43) 2,4,6-Trichlorophenol	13.045	196	56679	2.938	ng	99

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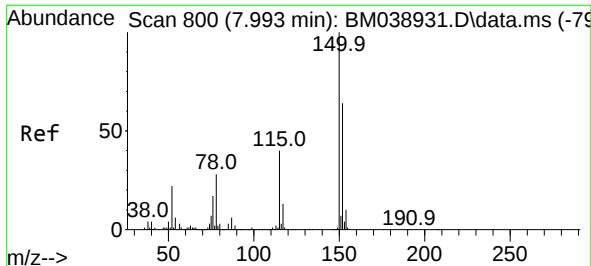
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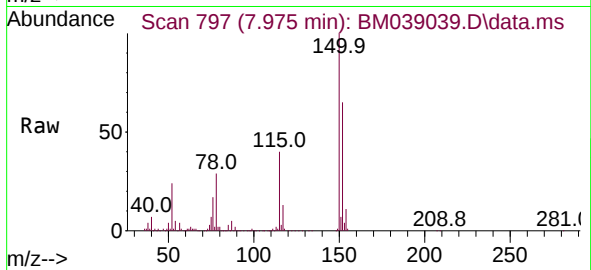
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	64193	2.842	ng	99
46) 1,1'-Biphenyl	13.451	154	295647	3.808	ng	99
47) 2-Chloronaphthalene	13.492	162	210914	3.602	ng	99
48) 2-Nitroaniline	13.692	65	53170	4.921	ng	95
49) Acenaphthylene	14.333	152	315912	3.387	ng	98
50) Dimethylphthalate	14.069	163	266422	3.778	ng	98
51) 2,6-Dinitrotoluene	14.186	165	45575	4.353	ng	# 84
52) Acenaphthene	14.674	154	202090	3.526	ng	98
53) 3-Nitroaniline	14.516	138	49001	4.188	ng	93
54) 2,4-Dinitrophenol	14.716	184	17115	6.976	ng	90
55) Dibenzofuran	15.010	168	321181	3.581	ng	99
56) 4-Nitrophenol	14.810	139	39349	2.809	ng	92
57) 2,4-Dinitrotoluene	14.969	165	56282	4.695	ng	87
58) Fluorene	15.657	166	257248	3.662	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.233	232	57200	3.284	ng	95
60) Diethylphthalate	15.427	149	261087	3.805	ng	99
61) 4-Chlorophenyl-phenyle...	15.651	204	123890	3.589	ng	96
62) 4-Nitroaniline	15.668	138	47641	4.222	ng	90
63) Azobenzene	15.945	77	258701	3.563	ng	98
65) 4,6-Dinitro-2-methylph...	15.727	198	25588	6.887	ng	91
66) n-Nitrosodiphenylamine	15.863	169	213202	3.267	ng	99
67) 4-Bromophenyl-phenylether	16.545	248	69200	3.310	ng	93
68) Hexachlorobenzene	16.657	284	81398	3.483	ng	# 86
69) Atrazine	16.815	200	67756	3.801	ng	97
70) Pentachlorophenol	17.004	266	40506	2.356	ng	95
71) Phenanthrene	17.398	178	410338	3.612	ng	99
72) Anthracene	17.486	178	382072	3.372	ng	99
73) Carbazole	17.757	167	354893	3.432	ng	98
74) Di-n-butylphthalate	18.327	149	398904	4.843	ng	99
75) Fluoranthene	19.409	202	428880	3.576	ng	99
77) Benzidine	19.598	184	182378	8.892	ng	99
78) Pyrene	19.774	202	453916	3.376	ng	99
80) Butylbenzylphthalate	20.668	149	163824	5.984	ng	93
81) Benzo(a)anthracene	21.515	228	454438	3.526	ng	99
82) 3,3'-Dichlorobenzidine	21.450	252	153081	3.864	ng	98
83) Chrysene	21.574	228	442250	3.528	ng	99
84) Bis(2-ethylhexyl)phtha...	21.445	149	255476	5.416	ng	98
85) Di-n-octyl phthalate	22.386	149	397576	6.466	ng	97
87) Indeno(1,2,3-cd)pyrene	26.497	276	445213	3.189	ng	97
88) Benzo(b)fluoranthene	23.221	252	421621	3.597	ng	98
89) Benzo(k)fluoranthene	23.274	252	433089	3.550	ng	98
90) Benzo(a)pyrene	23.856	252	348715	3.091	ng	99
91) Dibenzo(a,h)anthracene	26.515	278	376839	3.187	ng	98
92) Benzo(g,h,i)perylene	27.274	276	360447	3.116	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

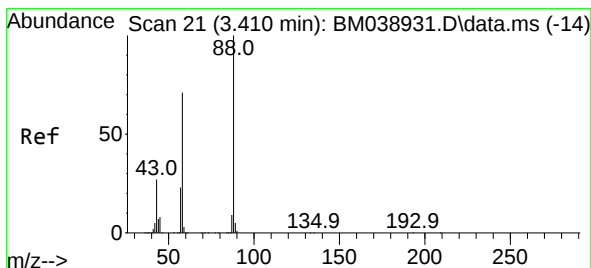
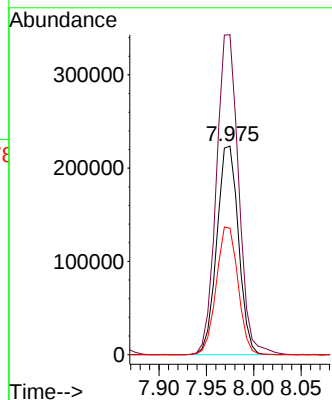
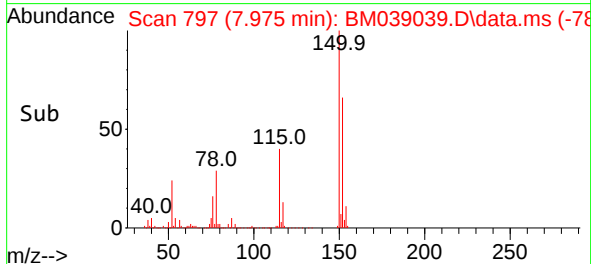
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 152 Resp: 355305
Ion Ratio Lower Upper
152 100
150 153.4 125.1 187.7
115 60.7 49.6 74.4

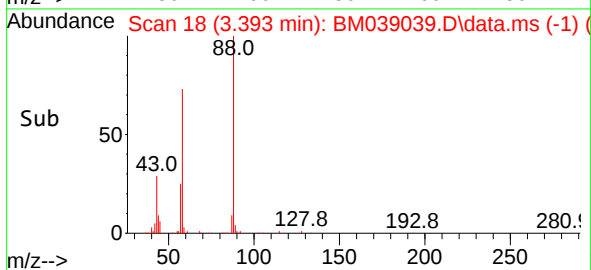
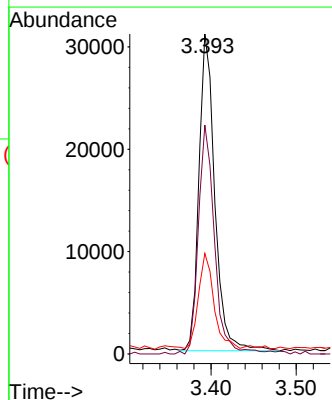
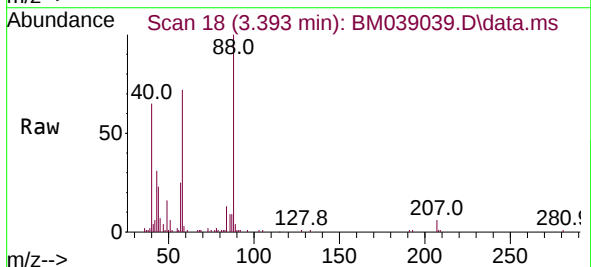
Manual Integrations
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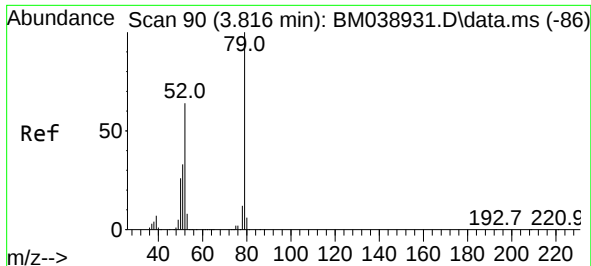
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#2
1,4-Dioxane
Concen: 3.847 ng
RT: 3.393 min Scan# 18
Delta R.T. 0.000 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

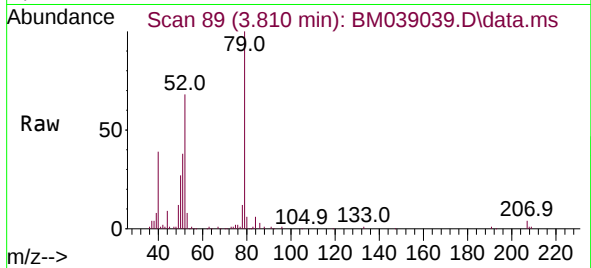
Tgt Ion: 88 Resp: 40023
Ion Ratio Lower Upper
88 100
58 73.3 57.2 85.8
43 29.2 22.0 33.0





#3
Pyridine
Concen: 2.797 ng
RT: 3.810 min Scan# 89
Delta R.T. 0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

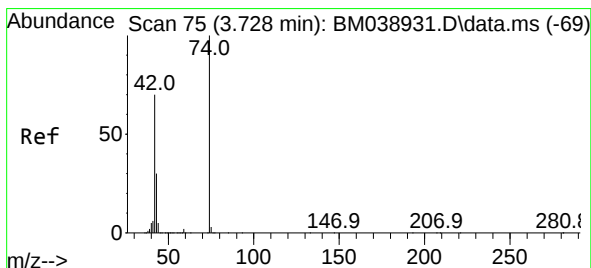
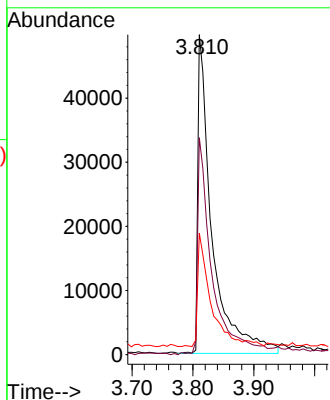
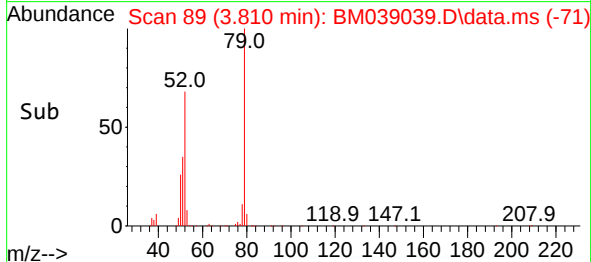
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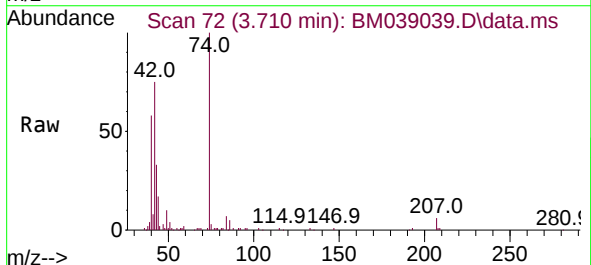
Tgt Ion: 79 Resp: 80706
Ion Ratio Lower Upper
79 100
52 67.8 51.4 77.2
51 38.0 26.6 40.0

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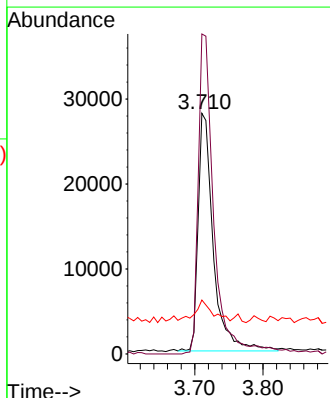
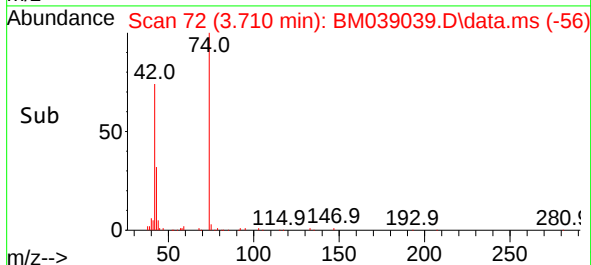
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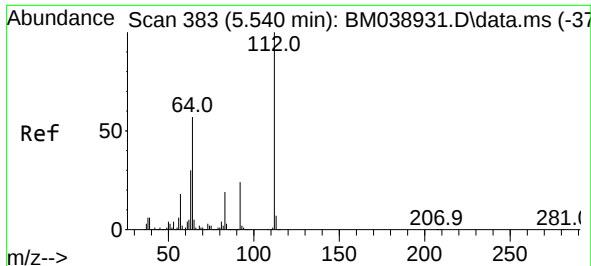


#4
n-Nitrosodimethylamine
Concen: 3.697 ng
RT: 3.710 min Scan# 72
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38



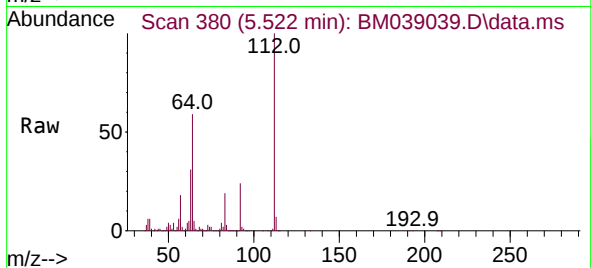
Tgt Ion: 42 Resp: 43412
Ion Ratio Lower Upper
42 100
74 133.0 113.8 170.8
44 22.4 6.2 9.2





#5
2-Fluorophenol
Concen: 110.316 ng
RT: 5.522 min Scan# 383
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

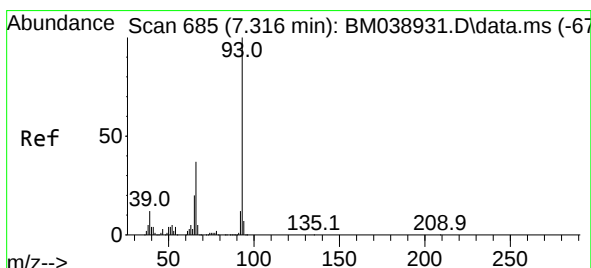
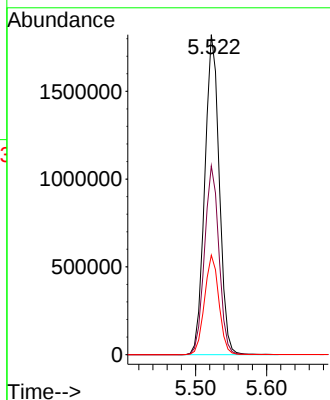
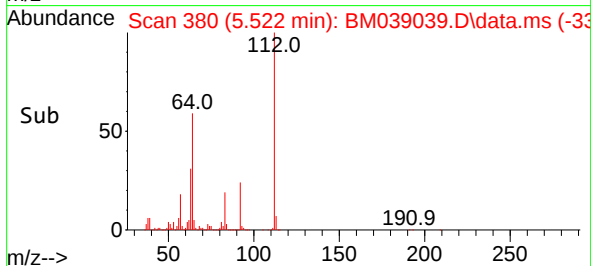
Instrument :
BNA_M
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Tgt Ion: 112 Resp: 2579866
Ion Ratio Lower Upper
112 100
64 59.0 45.9 68.9
63 31.1 23.8 35.8

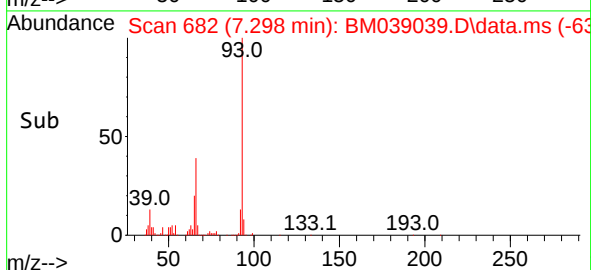
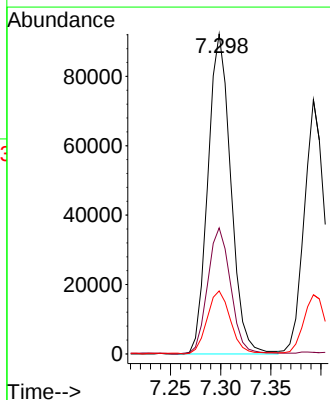
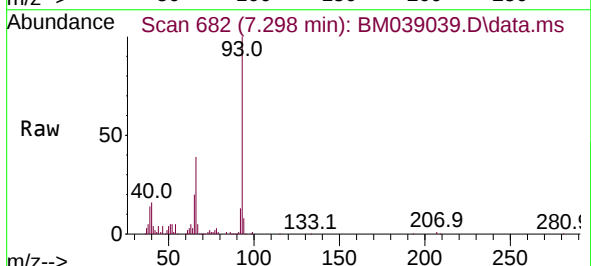
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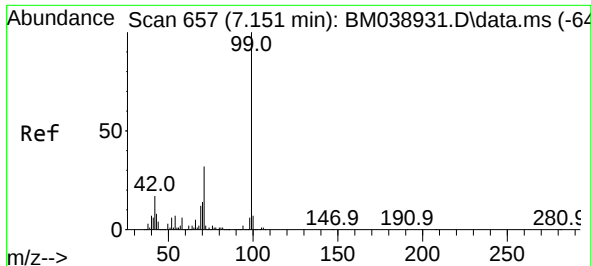
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#6
Aniline
Concen: 3.670 ng
RT: 7.298 min Scan# 682
Delta R.T. 0.000 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

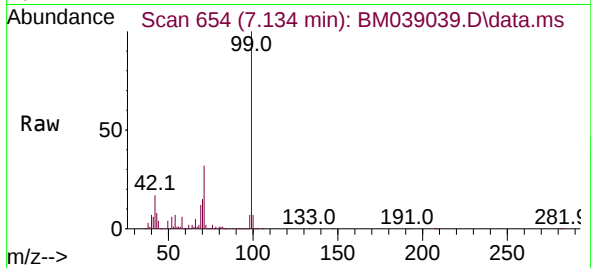
Tgt Ion: 93 Resp: 146358
Ion Ratio Lower Upper
93 100
66 39.4 30.0 45.0
65 19.7 15.8 23.6





#7
Phenol-d6
Concen: 112.293 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

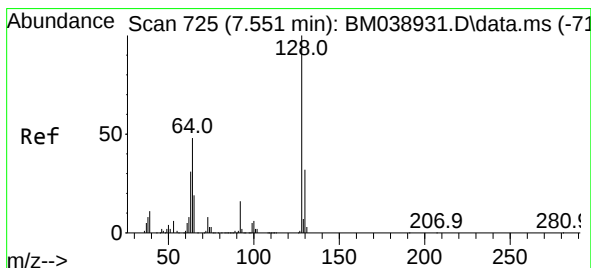
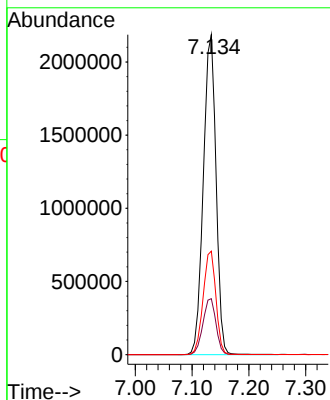
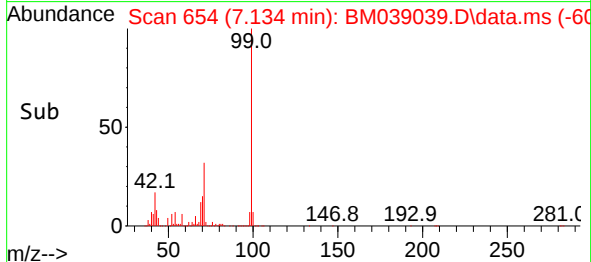
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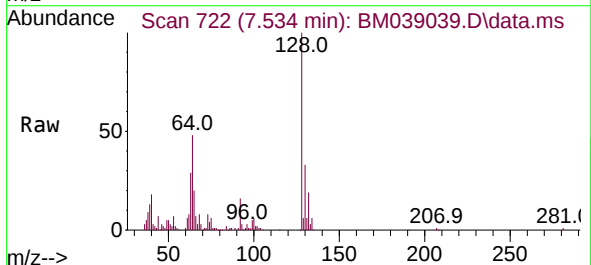
Tgt Ion: 99 Resp: 3411049
Ion Ratio Lower Upper
99 100
42 17.5 13.5 20.3
71 32.3 25.6 38.4

Manual Integrations
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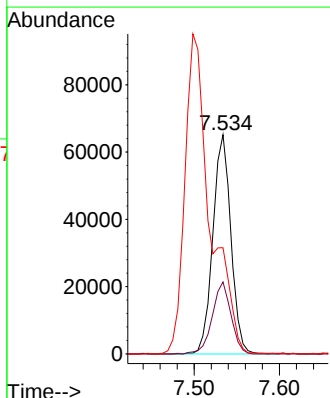
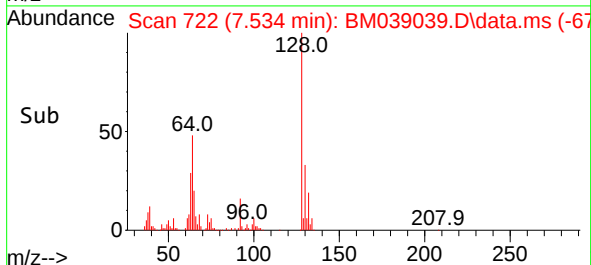
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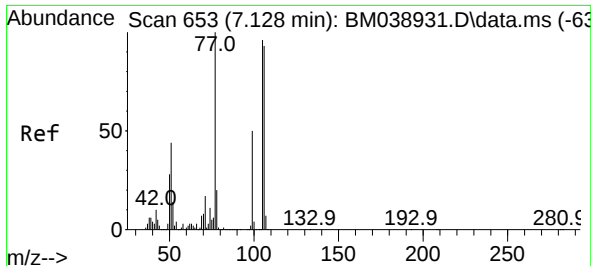


#8
2-Chlorophenol
Concen: 3.846 ng
RT: 7.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38



Tgt Ion:128 Resp: 95754
Ion Ratio Lower Upper
128 100
130 32.8 11.9 51.9
64 48.4 28.6 68.6





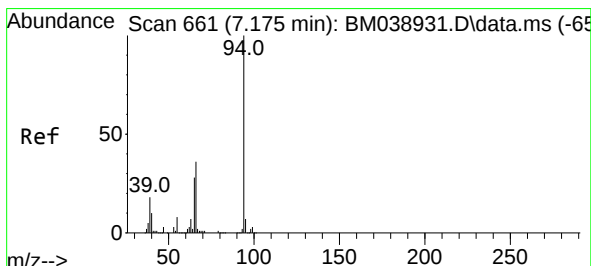
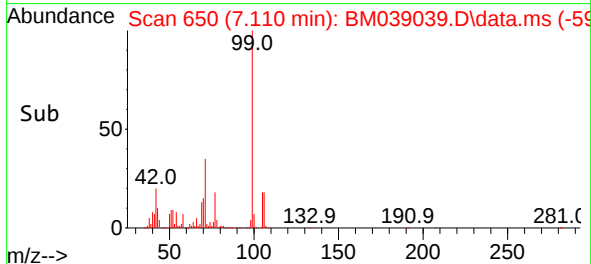
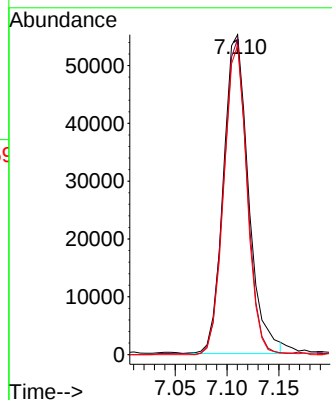
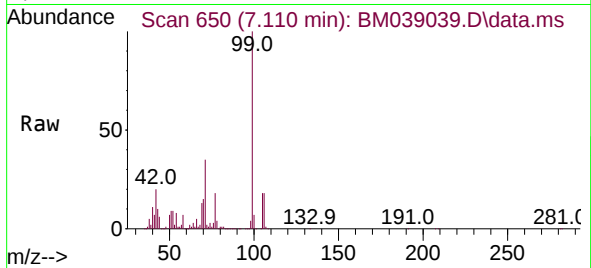
#9
Benzaldehyde
Concen: 6.425 ng m
RT: 7.110 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion: 77 Resp: 9287
Ion Ratio Lower Upper
77 100
105 98.7 75.8 115.8
106 96.6 72.6 112.6

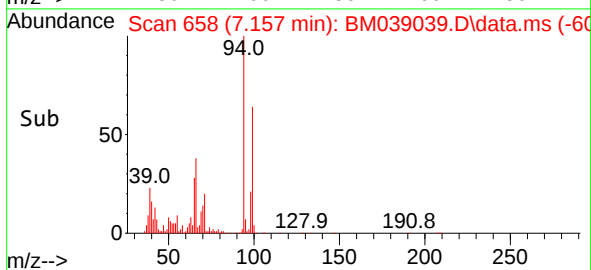
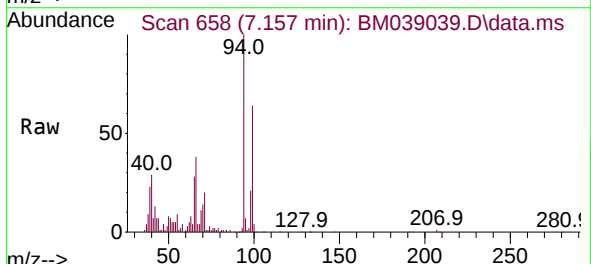
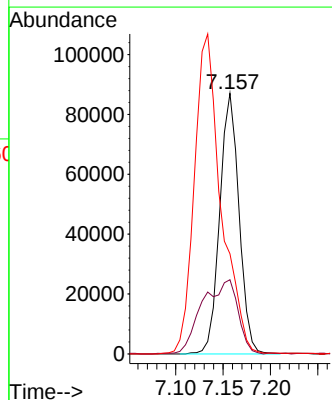
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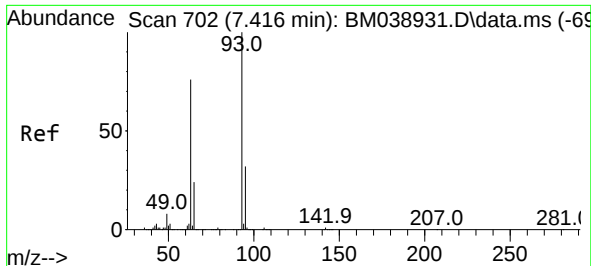
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#10
Phenol
Concen: 3.817 ng
RT: 7.157 min Scan# 658
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

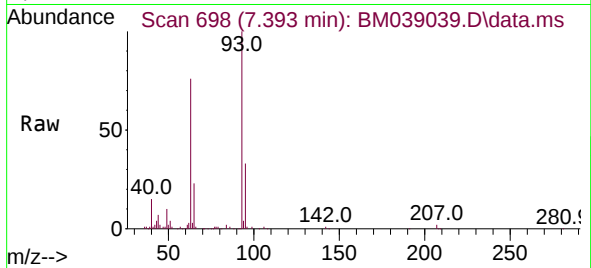
Tgt Ion: 94 Resp: 123119
Ion Ratio Lower Upper
94 100
65 28.5 7.9 47.9
66 38.4 15.8 55.8





#11
bis(2-Chloroethyl)ether
Concen: 3.910 ng
RT: 7.393 min Scan# 698
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

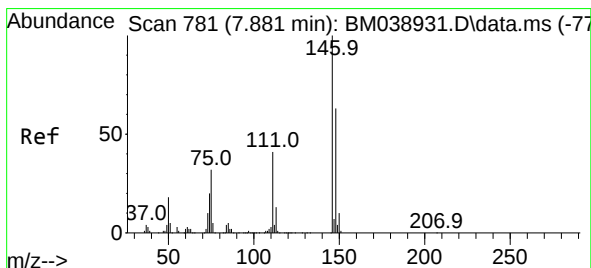
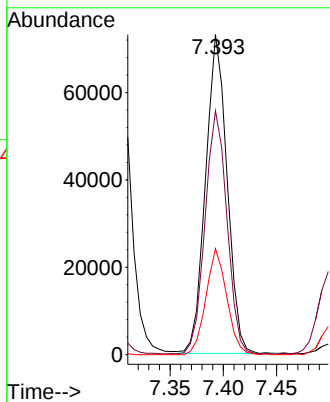
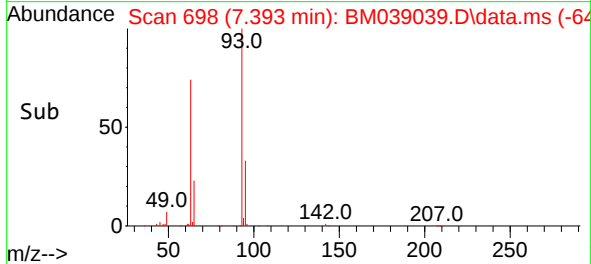
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 93 Resp: 102553
Ion Ratio Lower Upper
93 100
63 76.2 55.8 95.8
95 33.1 12.2 52.2

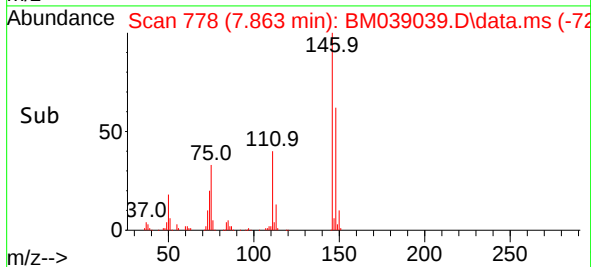
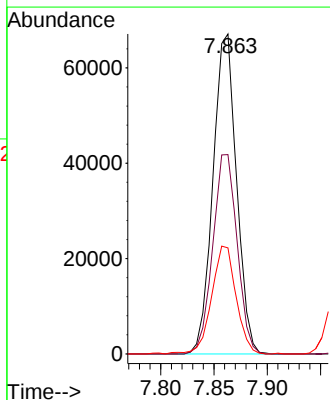
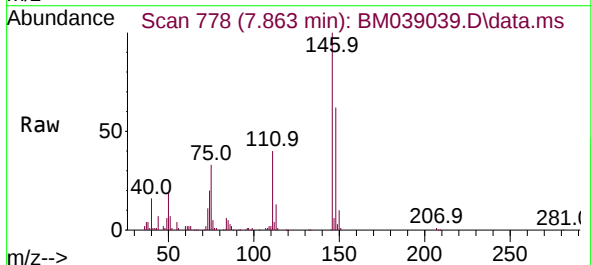
Manual Integrations
APPROVED

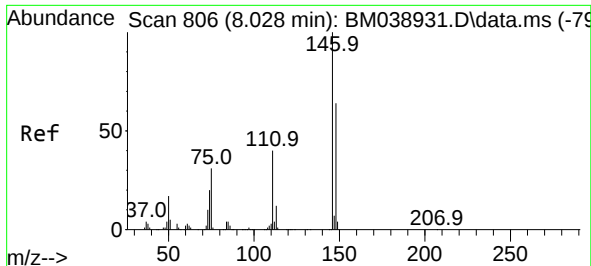
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#12
1,3-Dichlorobenzene
Concen: 3.904 ng
RT: 7.863 min Scan# 778
Delta R.T. 0.000 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

Tgt Ion:146 Resp: 103297
Ion Ratio Lower Upper
146 100
148 62.3 50.6 75.8
75 33.1 26.0 39.0





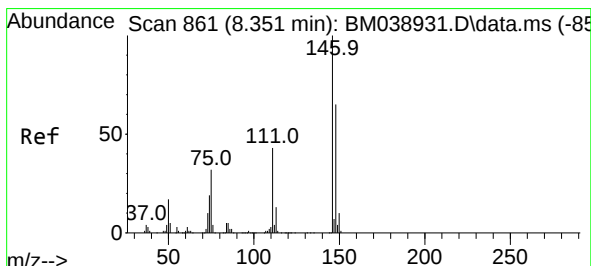
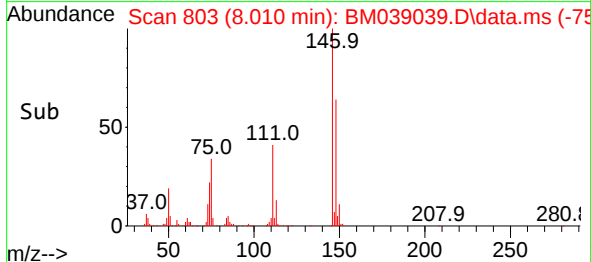
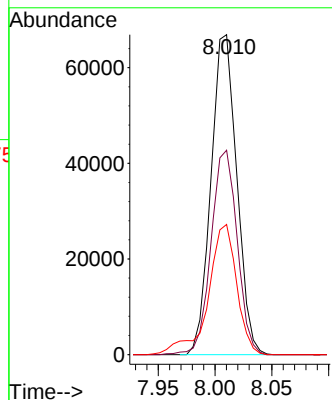
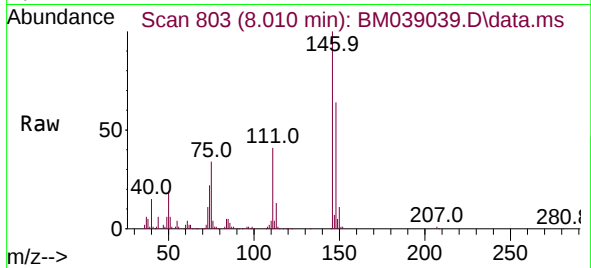
#13
1,4-Dichlorobenzene
Concen: 3.928 ng
RT: 8.010 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:146 Resp: 105714
Ion Ratio Lower Upper
146 100
148 63.9 51.0 76.4
111 40.7 32.2 48.4

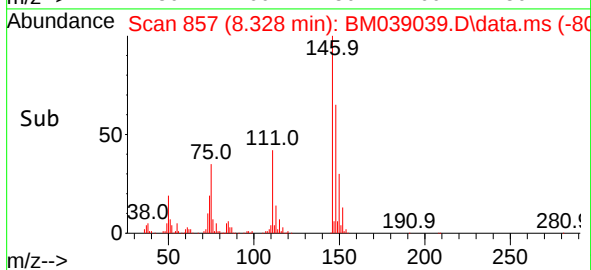
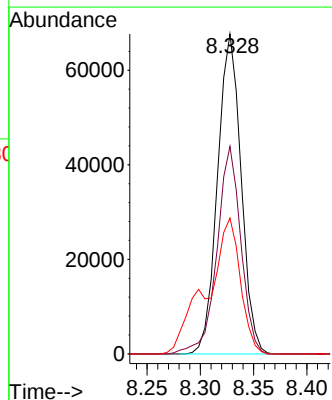
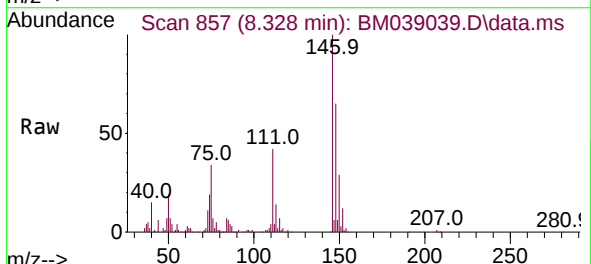
Manual Integrations
APPROVED

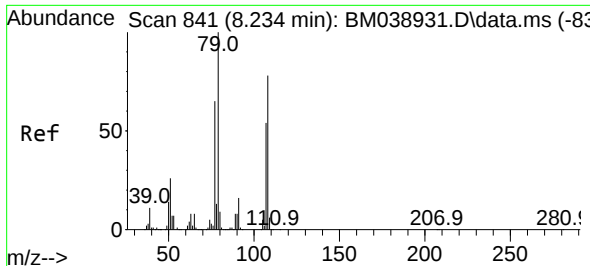
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#14
1,2-Dichlorobenzene
Concen: 4.018 ng
RT: 8.328 min Scan# 857
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

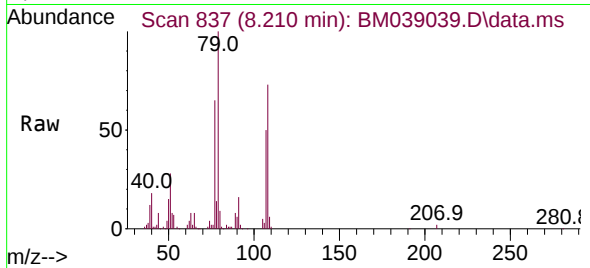
Tgt Ion:146 Resp: 104156
Ion Ratio Lower Upper
146 100
148 64.8 51.7 77.5
111 42.4 34.2 51.4





#15
Benzyl Alcohol
Concen: 3.855 ng
RT: 8.210 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

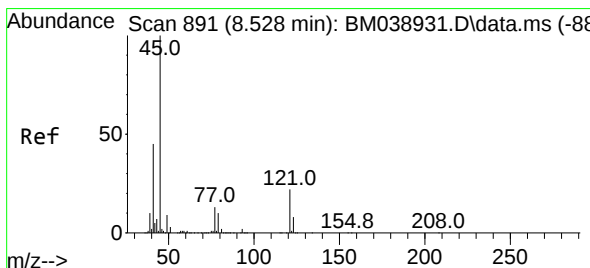
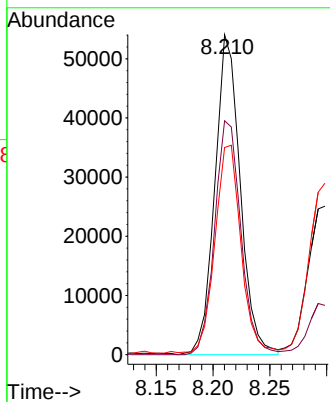
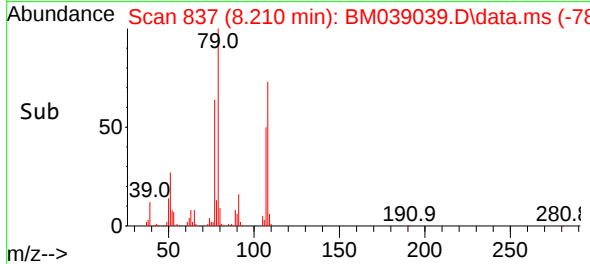
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 79 Resp: 83935
Ion Ratio Lower Upper
79 100
108 73.1 62.4 93.6
77 64.7 52.2 78.4

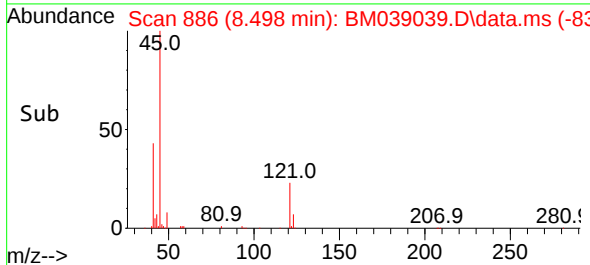
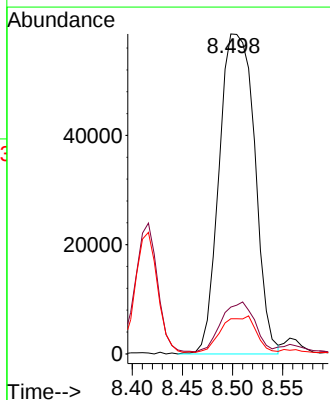
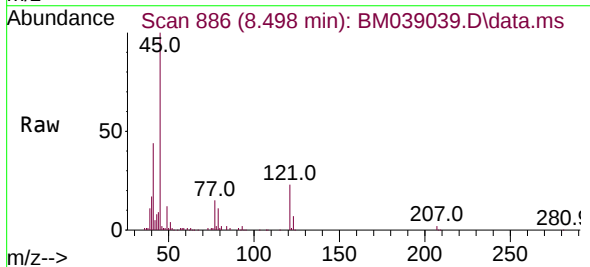
Manual Integrations
APPROVED

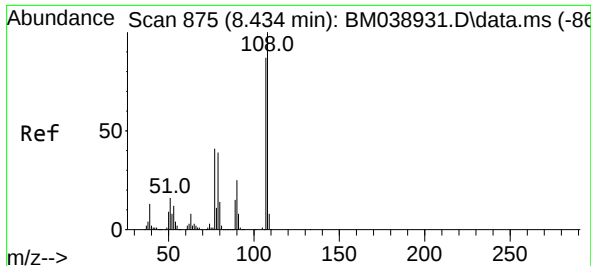
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.356 ng
RT: 8.498 min Scan# 886
Delta R.T. -0.012 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

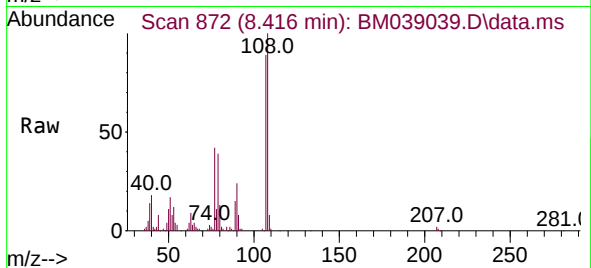
Tgt Ion: 45 Resp: 144290
Ion Ratio Lower Upper
45 100
77 14.6 0.0 34.8
79 11.0 0.0 31.5





#17
2-Methylphenol
Concen: 3.441 ng
RT: 8.416 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

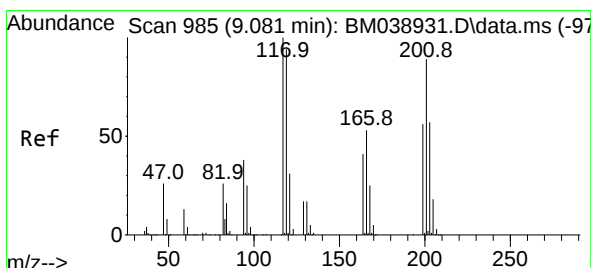
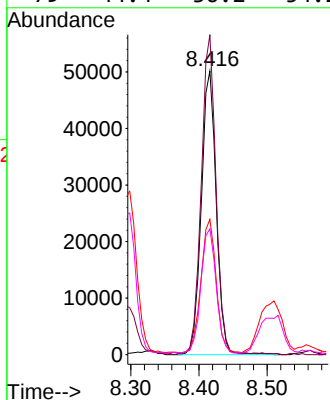
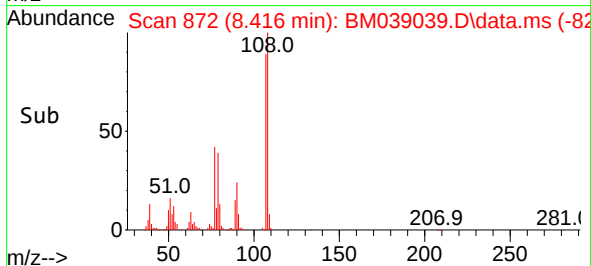
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:	107	Resp:	76250
Ion Ratio	Lower	Upper	
107	100		
108	112.8	91.7	137.5
77	47.7	37.4	56.2
79	44.4	36.2	54.2

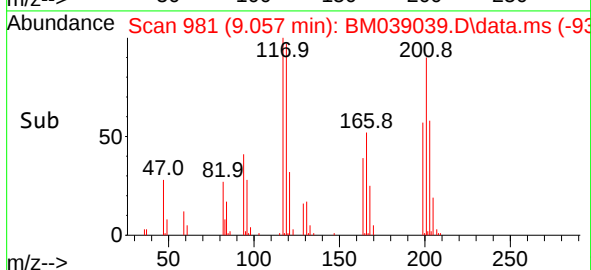
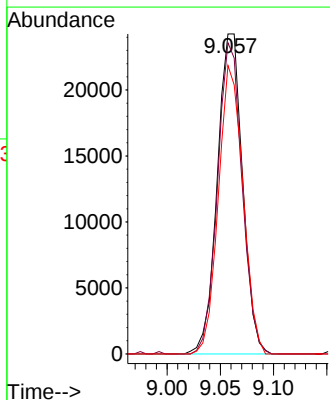
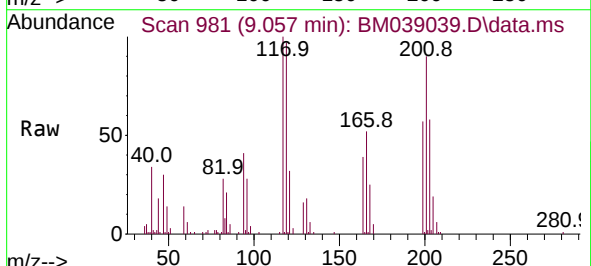
Manual Integrations
APPROVED

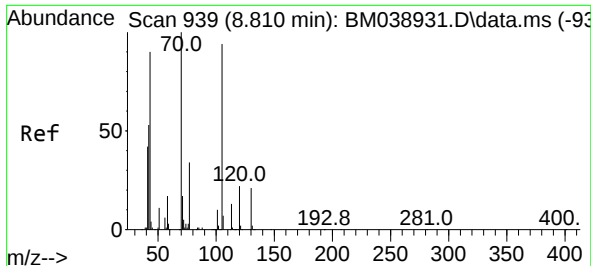
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#18
Hexachloroethane
Concen: 4.037 ng
RT: 9.057 min Scan# 981
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

Tgt Ion:	117	Resp:	40086
Ion Ratio	Lower	Upper	
117	100		
119	97.2	75.4	113.0
201	92.2	71.3	106.9





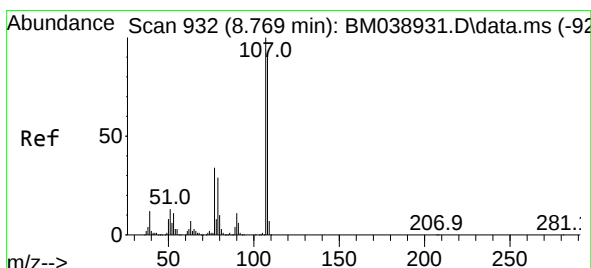
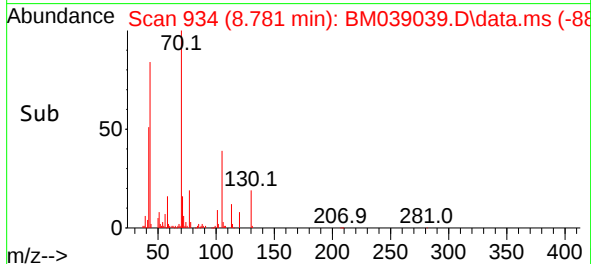
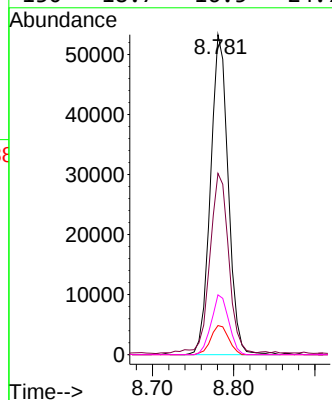
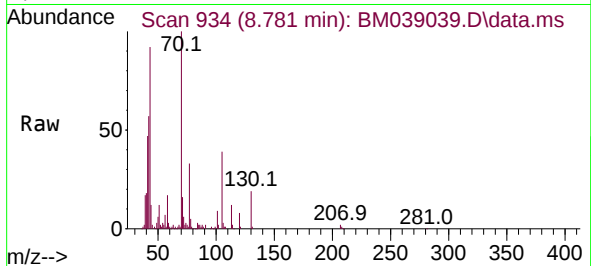
#19
n-Nitroso-di-n-propylamine
Concen: 4.224 ng
RT: 8.781 min Scan# 931
Delta R.T. -0.012 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion: 70 Resp: 80813
Ion Ratio Lower Upper
70 100
42 56.6 43.4 65.2
101 9.1 7.6 11.4
130 18.7 16.5 24.7

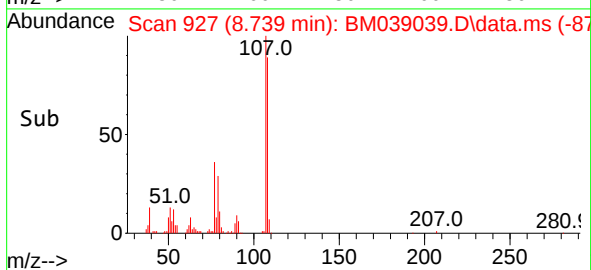
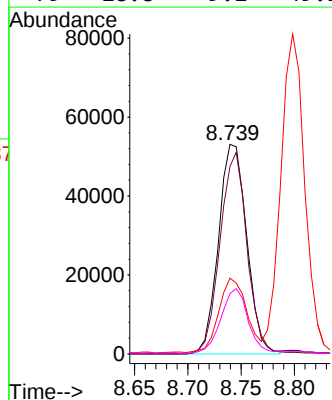
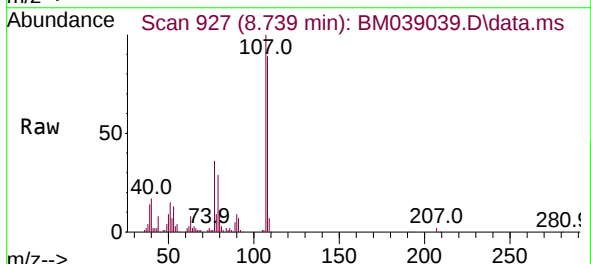
Manual Integrations
APPROVED

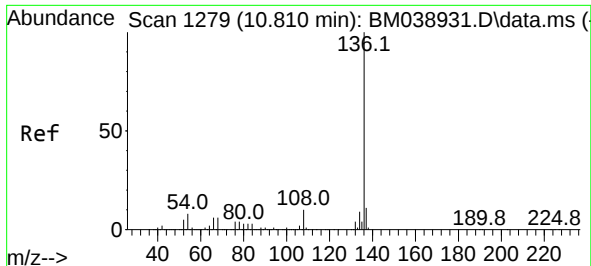
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#20
3+4-Methylphenols
Concen: 3.302 ng
RT: 8.739 min Scan# 927
Delta R.T. -0.012 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

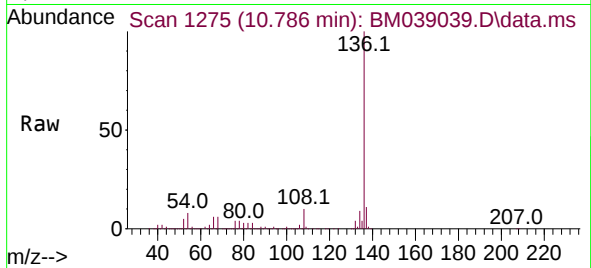
Tgt Ion:107 Resp: 97697
Ion Ratio Lower Upper
107 100
108 89.5 71.8 111.8
77 36.2 13.6 53.6
79 28.8 9.2 49.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 1275
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

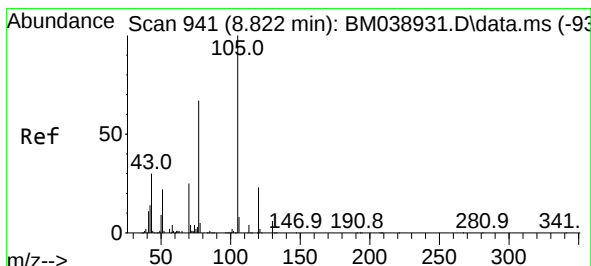
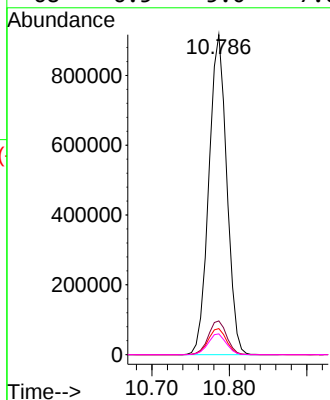
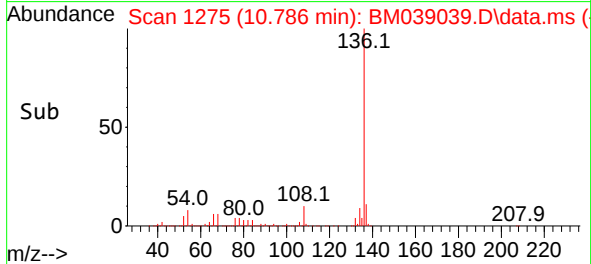
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT1-2022



Tgt Ion:136 Resp: 1466860
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 8.1 6.3 9.5
68 6.5 5.0 7.6

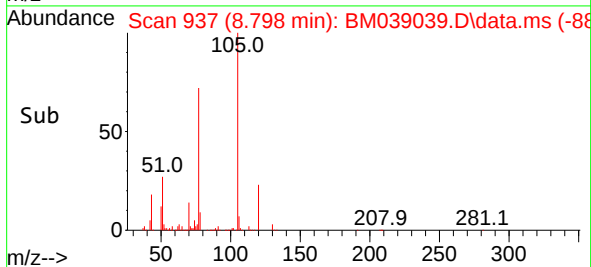
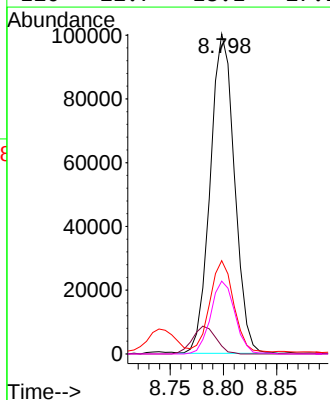
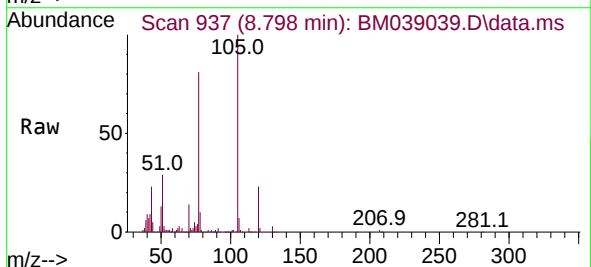
Manual Integrations
APPROVED

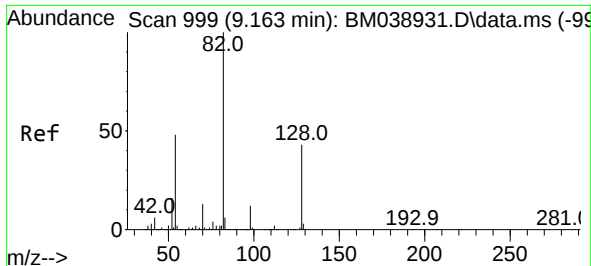
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#22
Acetophenone
Concen: 3.859 ng
RT: 8.798 min Scan# 937
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

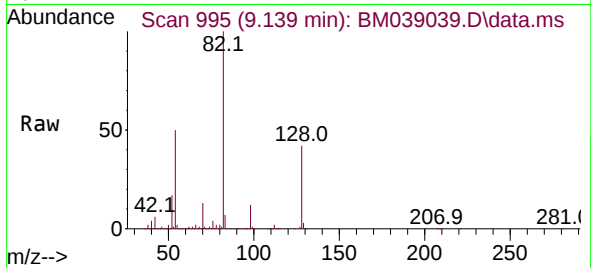
Tgt Ion:105 Resp: 158820
Ion Ratio Lower Upper
105 100
71 2.5 3.4 5.0#
51 29.1 21.0 31.4
120 22.7 18.1 27.1





#23
Nitrobenzene-d5
Concen: 83.108 ng
RT: 9.139 min Scan# 999
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

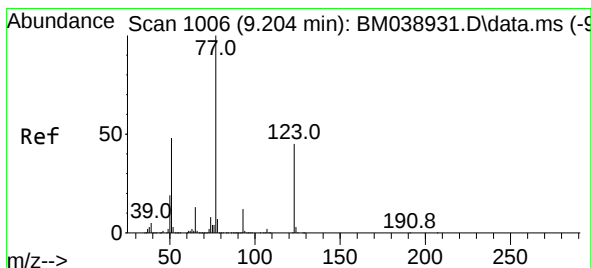
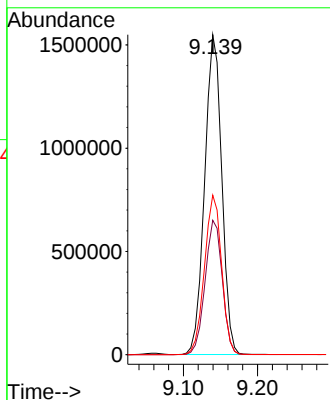
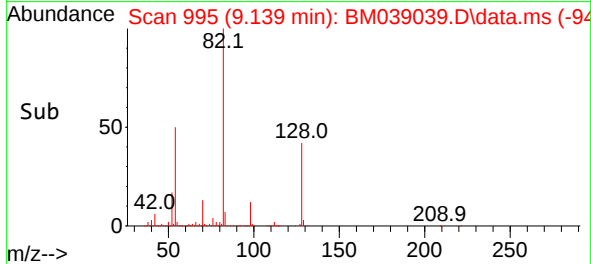
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 82 Resp: 2481794
Ion Ratio Lower Upper
82 100
128 42.0 34.4 51.6
54 49.8 38.8 58.2

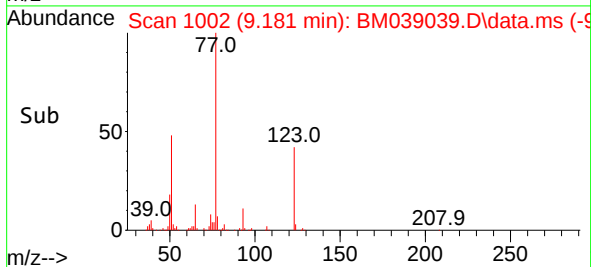
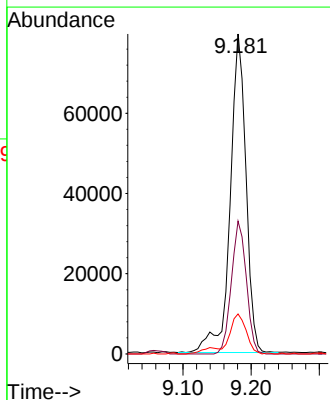
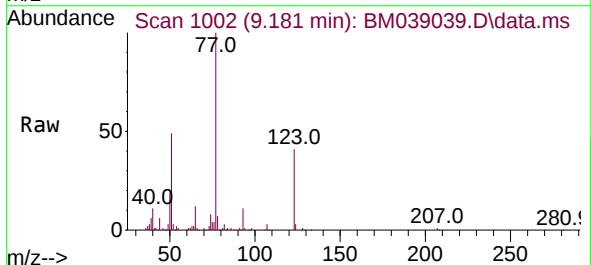
Manual Integrations
APPROVED

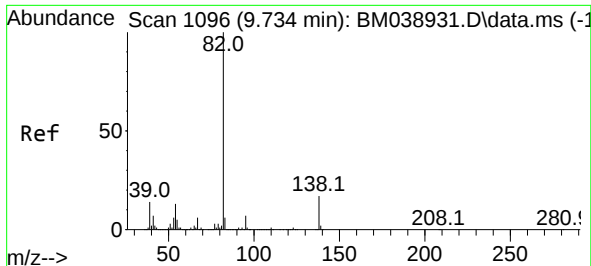
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#24
Nitrobenzene
Concen: 4.078 ng
RT: 9.181 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

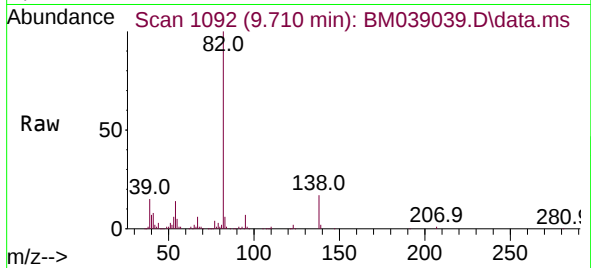
Tgt Ion: 77 Resp: 128006
Ion Ratio Lower Upper
77 100
123 41.5 35.8 53.6
65 12.5 10.2 15.4





#25
Isophorone
Concen: 3.914 ng
RT: 9.710 min Scan# 1092
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

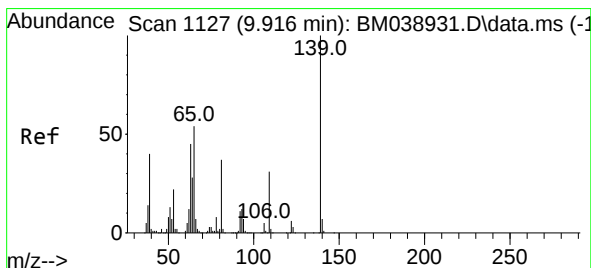
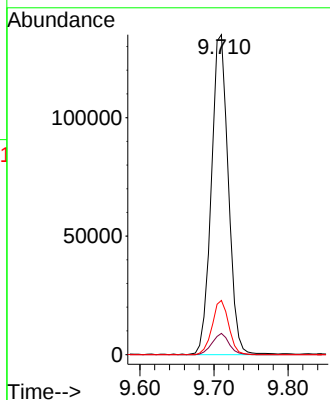
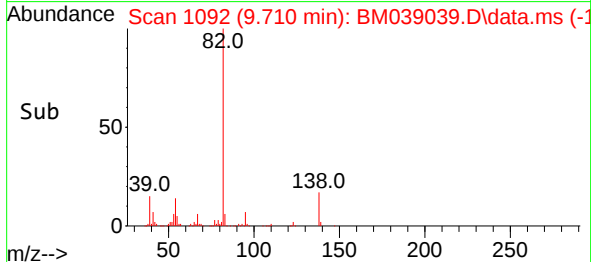
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 82 Resp: 215073
Ion Ratio Lower Upper
82 100
95 6.6 5.2 7.8
138 16.9 13.6 20.4

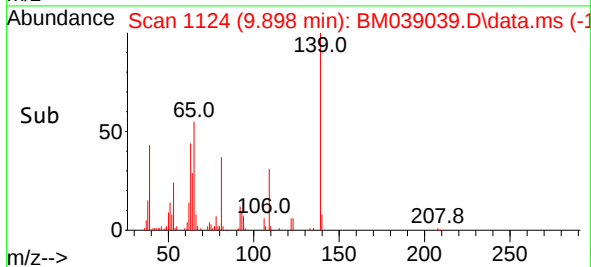
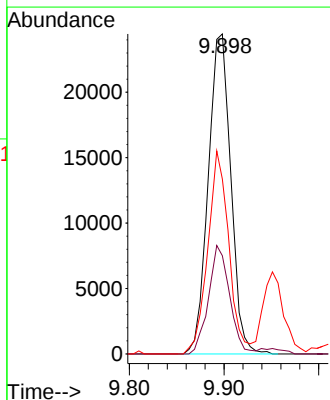
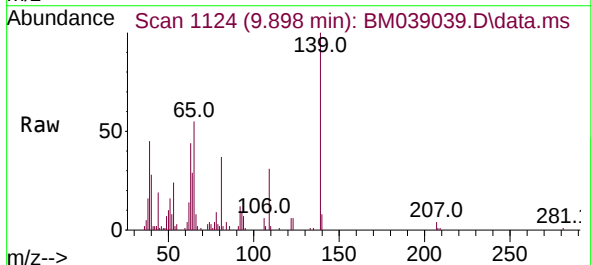
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#26
2-Nitrophenol
Concen: 5.731 ng
RT: 9.898 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

Tgt Ion:139 Resp: 40506
Ion Ratio Lower Upper
139 100
109 30.7 24.5 36.7
65 54.6 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 3.502 ng

RT: 9.951 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BM039039.D

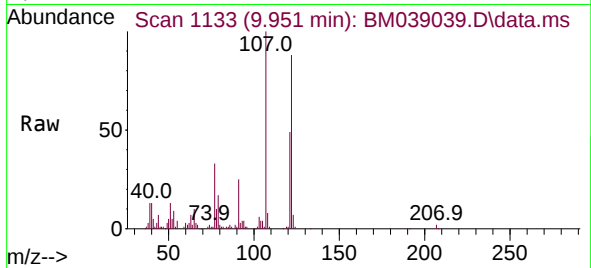
Acq: 20 Mar 2023 11:38

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2022



Tgt Ion:122 Resp: 83858

Ion Ratio Lower Upper

122 100

107 113.6 91.0 136.4

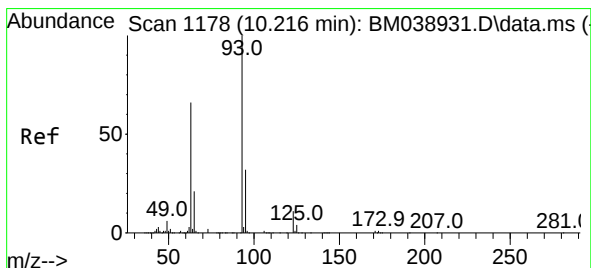
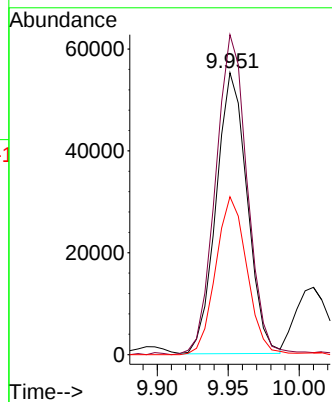
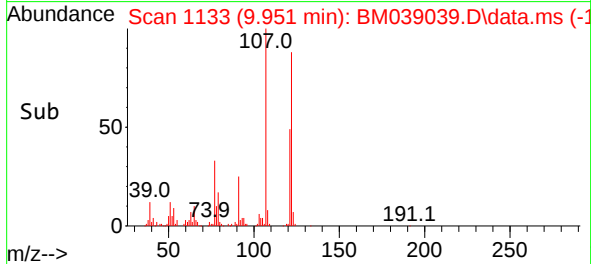
121 56.0 45.1 67.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/21/2023

Supervised By :Jagrut Upadhyay 03/21/2023



#28

bis(2-Chloroethoxy)methane

Concen: 3.950 ng

RT: 10.192 min Scan# 1174

Delta R.T. -0.006 min

Lab File: BM039039.D

Acq: 20 Mar 2023 11:38

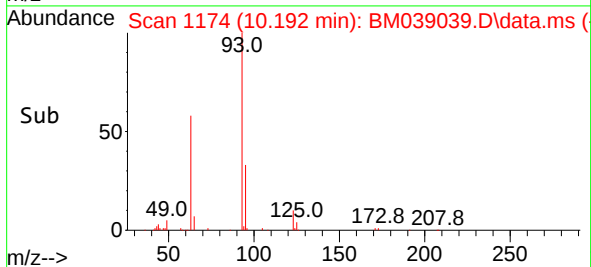
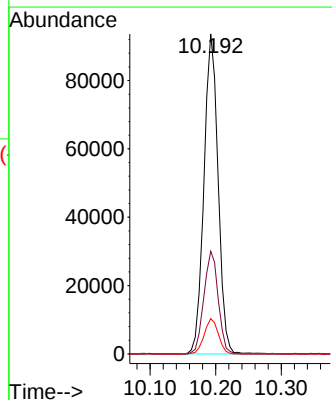
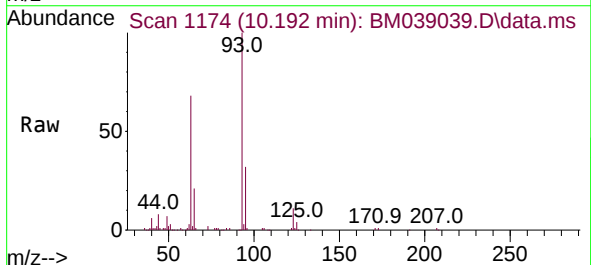
Tgt Ion: 93 Resp: 139471

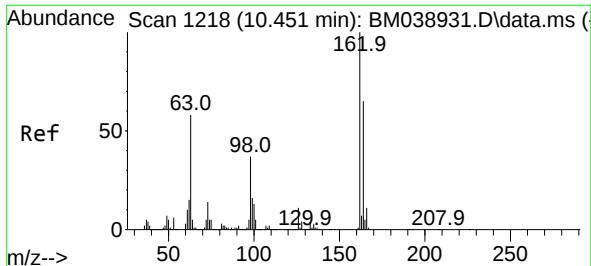
Ion Ratio Lower Upper

93 100

95 32.1 25.9 38.9

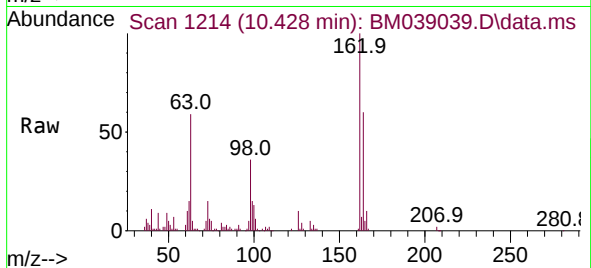
123 11.0 8.8 13.2





#29
2,4-Dichlorophenol
Concen: 3.291 ng
RT: 10.428 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

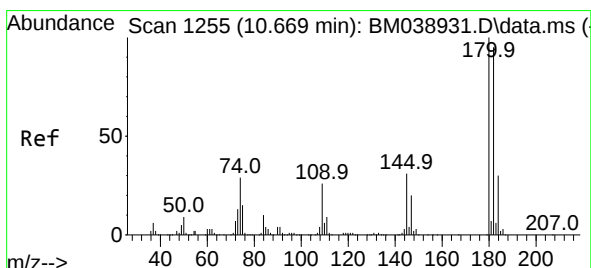
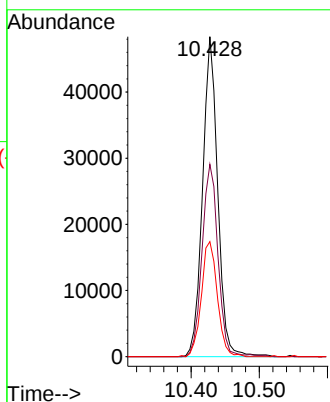
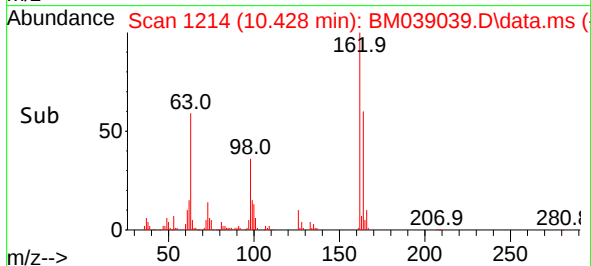
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:162 Resp: 74720
Ion Ratio Lower Upper
162 100
164 60.1 44.6 84.6
98 35.9 17.5 57.5

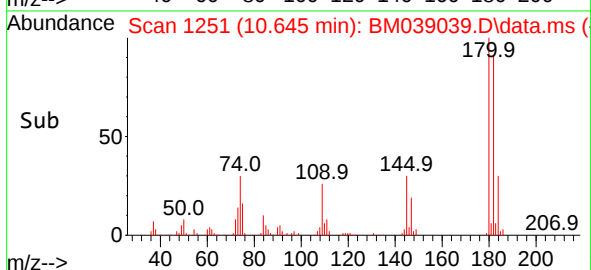
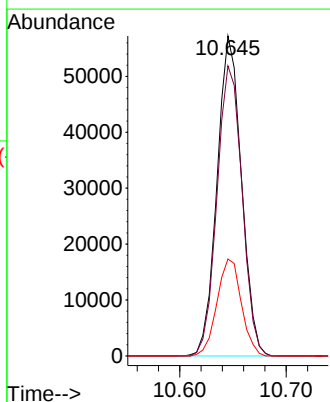
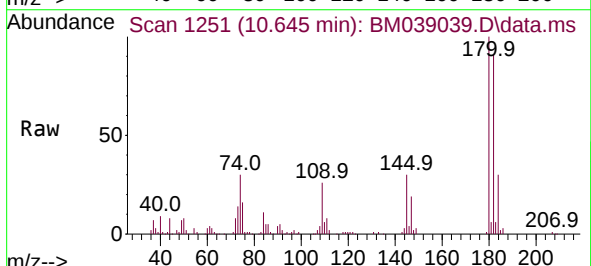
Manual Integrations
APPROVED

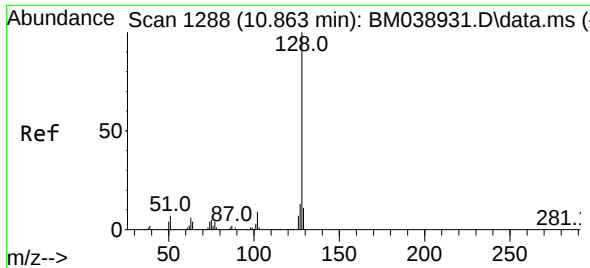
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#30
1,2,4-Trichlorobenzene
Concen: 3.676 ng
RT: 10.645 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

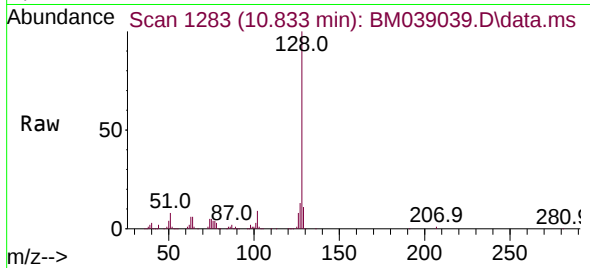
Tgt Ion:180 Resp: 91193
Ion Ratio Lower Upper
180 100
182 90.6 76.3 114.5
145 30.3 25.0 37.4





#31
Naphthalene
Concen: 3.699 ng
RT: 10.833 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

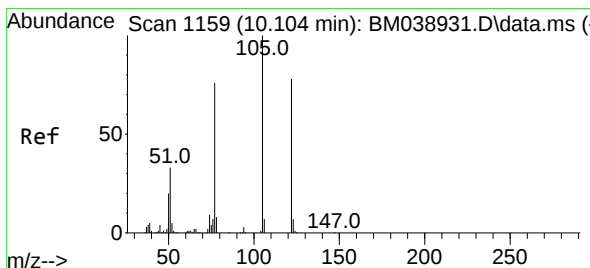
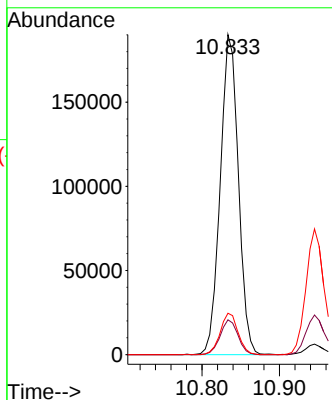
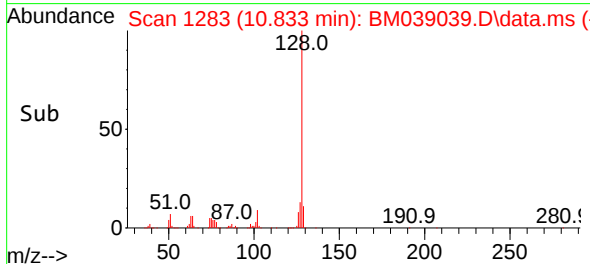
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:128 Resp: 309414
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.9 10.2 15.4

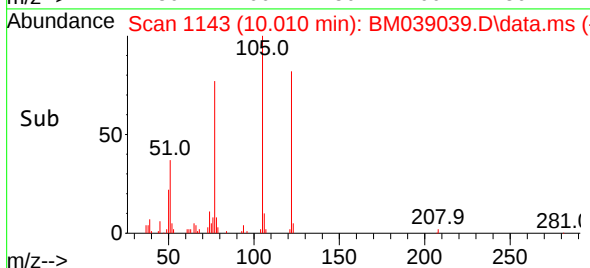
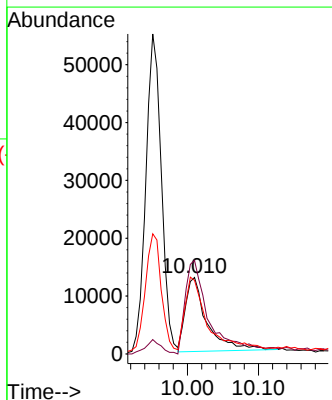
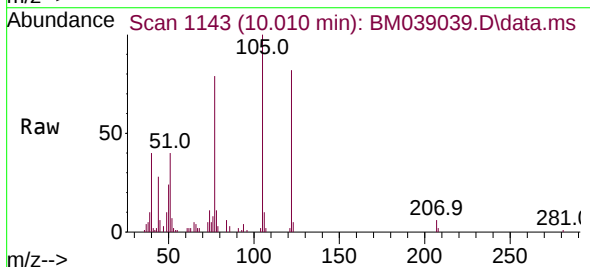
Manual Integrations
APPROVED

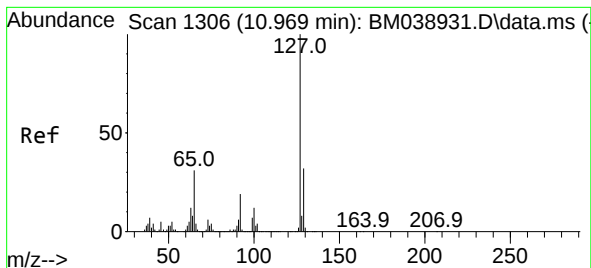
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#32
Benzoic acid
Concen: 7.092 ng
RT: 10.010 min Scan# 1143
Delta R.T. -0.088 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

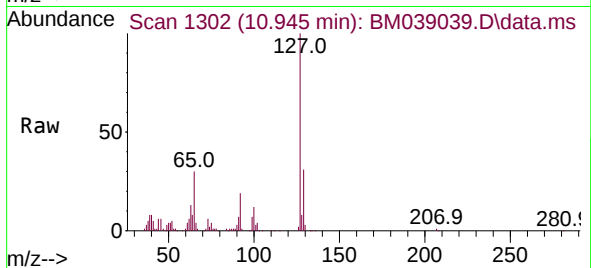
Tgt Ion:122 Resp: 27118
Ion Ratio Lower Upper
122 100
105 122.4 104.2 144.2
77 96.3 75.1 115.1





#33
4-Chloroaniline
Concen: 3.480 ng
RT: 10.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

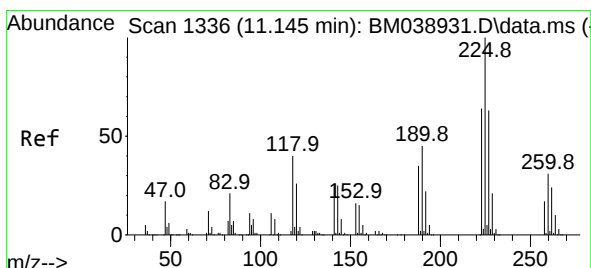
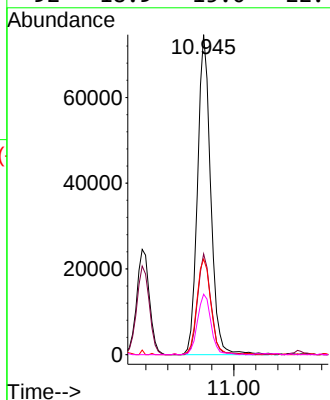
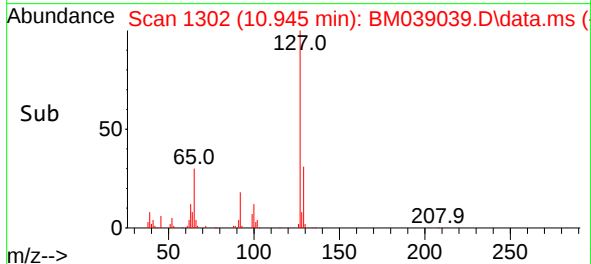
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



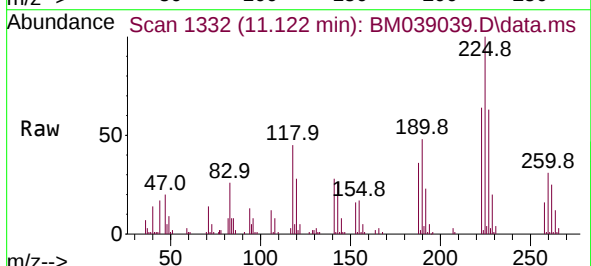
Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.4	38.2
65	29.8	24.4	36.6
92	18.9	15.0	22.4

Manual Integrations
APPROVED

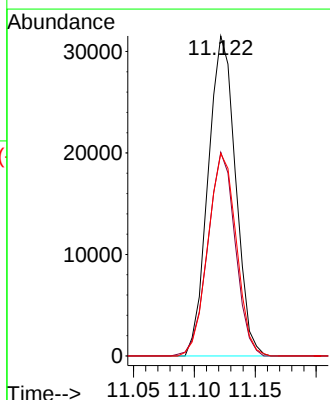
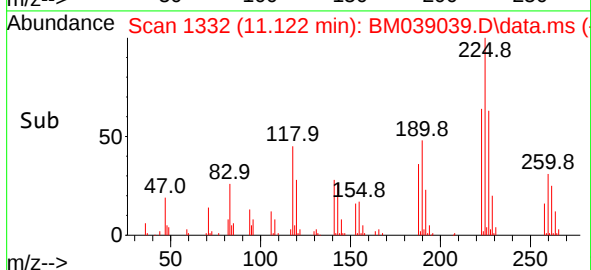
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

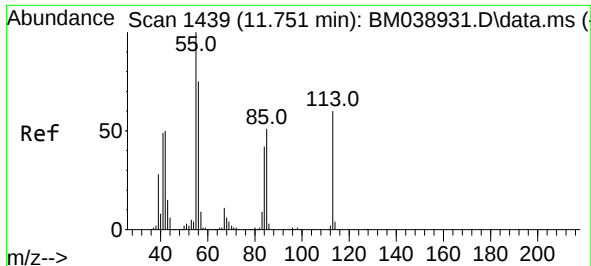


#34
Hexachlorobutadiene
Concen: 3.473 ng
RT: 11.122 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38



Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	51.3	76.9
227	60.7	50.6	76.0





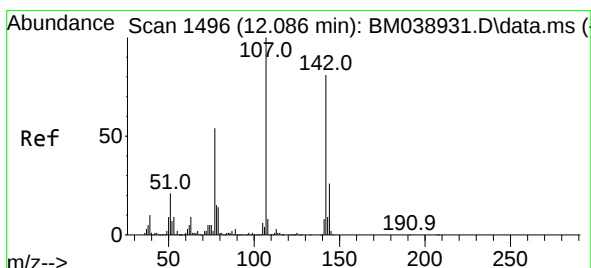
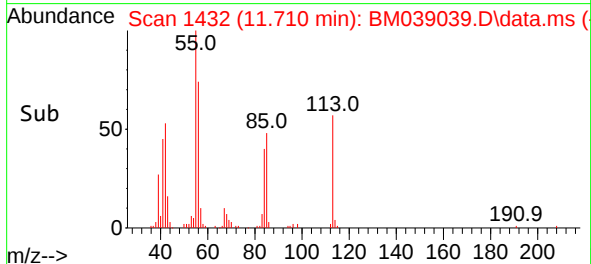
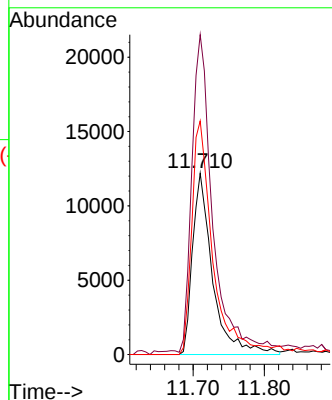
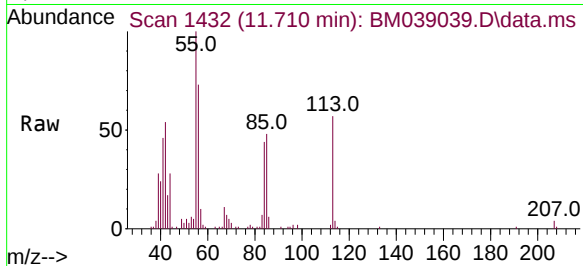
#35
Caprolactam
Concen: 3.477 ng m
RT: 11.710 min Scan# 1439
Delta R.T. -0.029 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:113 Resp: 24020
Ion Ratio Lower Upper
113 100
55 176.5 147.0 187.0
56 128.9 105.1 145.1

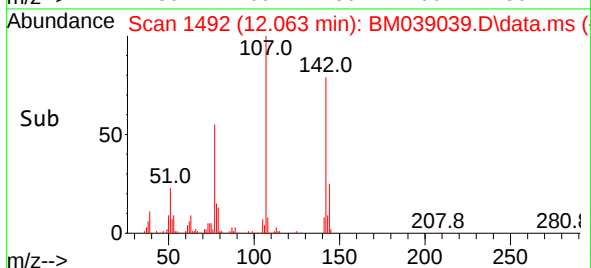
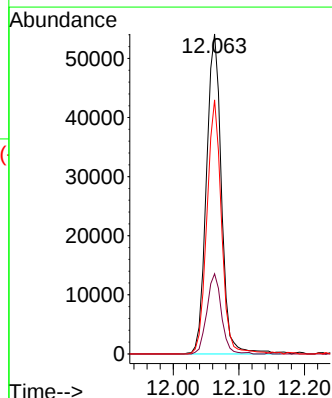
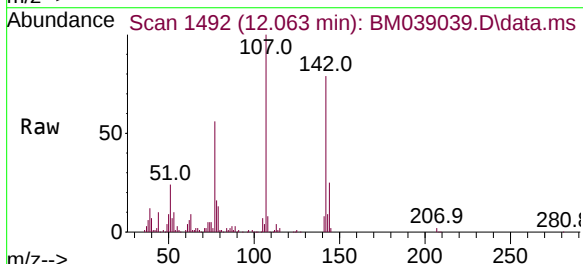
Manual Integrations
APPROVED

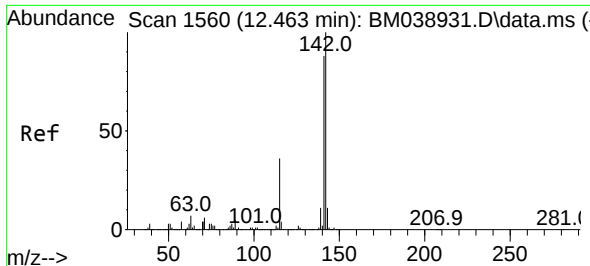
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#36
4-Chloro-3-methylphenol
Concen: 3.549 ng
RT: 12.063 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

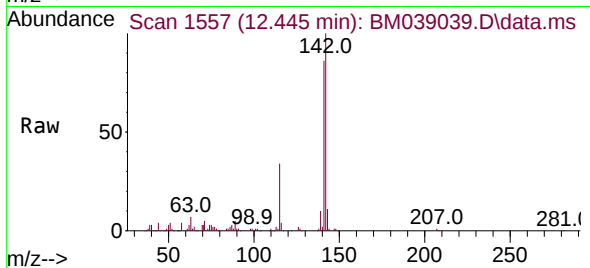
Tgt Ion:107 Resp: 85779
Ion Ratio Lower Upper
107 100
144 25.0 20.7 31.1
142 79.4 64.6 97.0





#37
2-Methylnaphthalene
Concen: 3.659 ng
RT: 12.445 min Scan# 1557
Delta R.T. 0.000 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

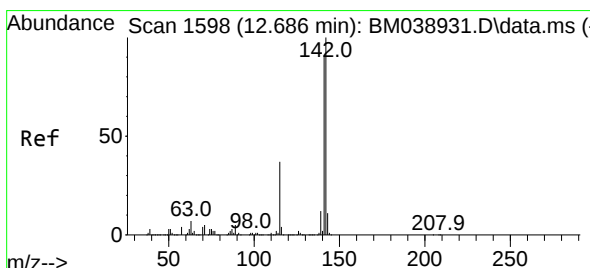
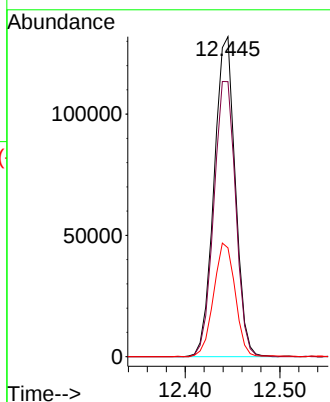
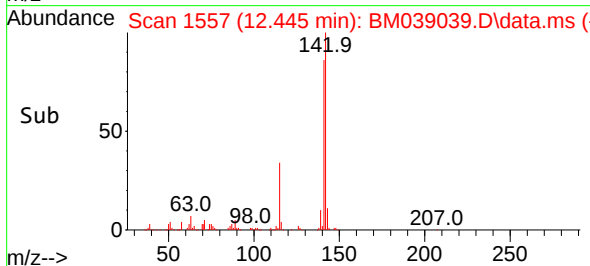
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:142 Resp: 205123
Ion Ratio Lower Upper
142 100
141 85.9 70.6 106.0
115 34.0 28.5 42.7

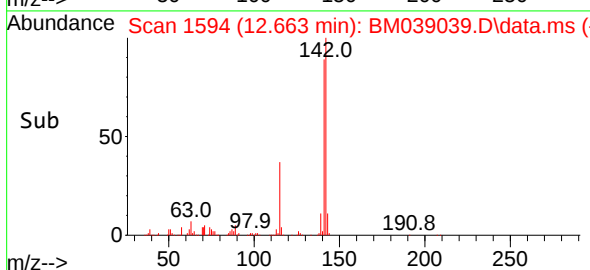
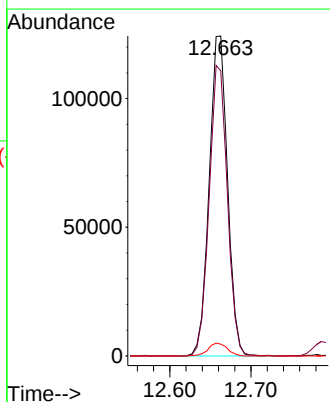
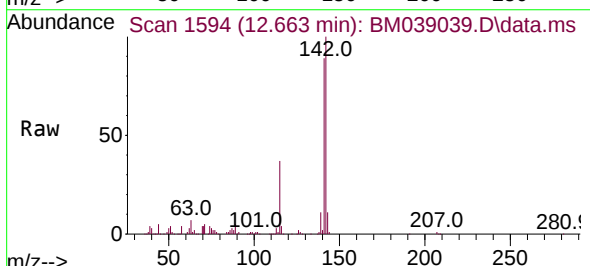
Manual Integrations
APPROVED

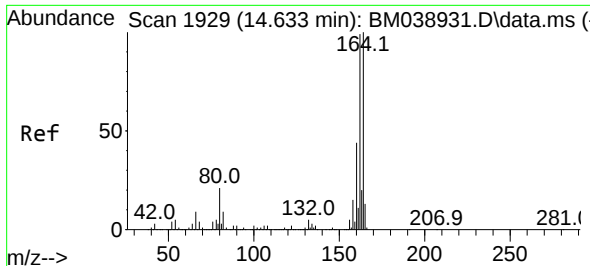
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#38
1-Methylnaphthalene
Concen: 3.714 ng
RT: 12.663 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

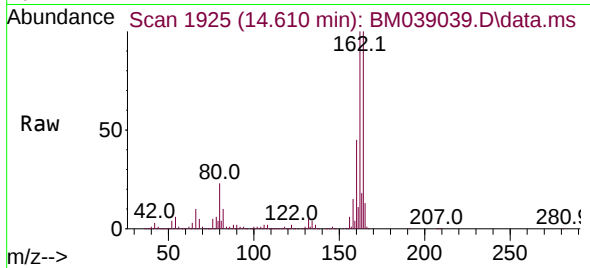
Tgt Ion:142 Resp: 195132
Ion Ratio Lower Upper
142 100
141 89.1 72.8 109.2
116 3.7 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

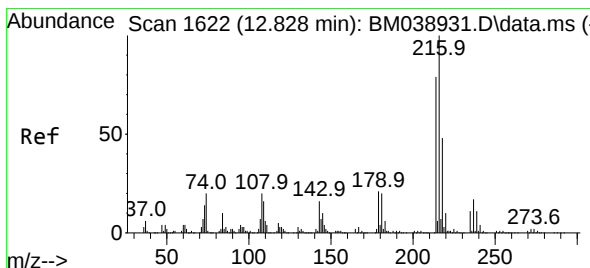
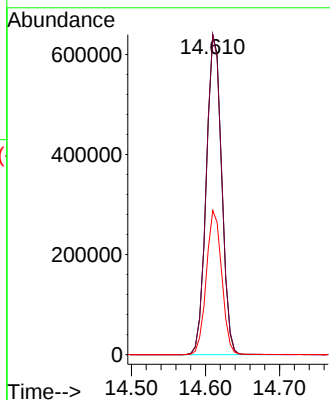
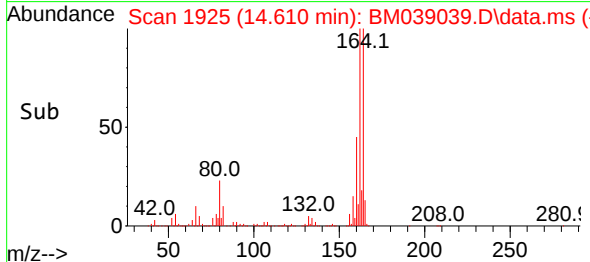
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



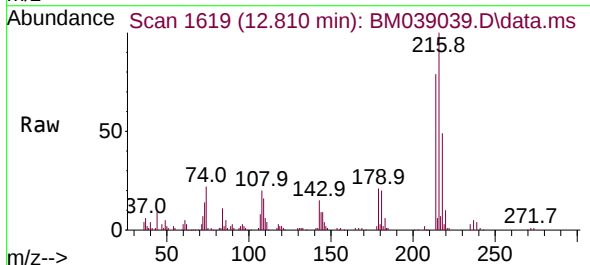
Tgt Ion:164 Resp: 916518
Ion Ratio Lower Upper
164 100
162 100.1 79.2 118.8
160 45.1 35.5 53.3

Manual Integrations
APPROVED

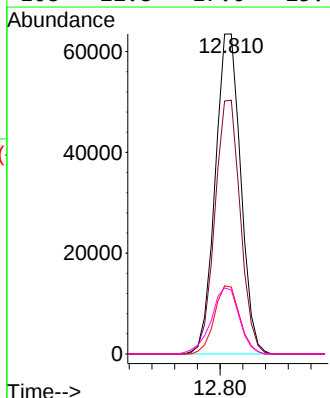
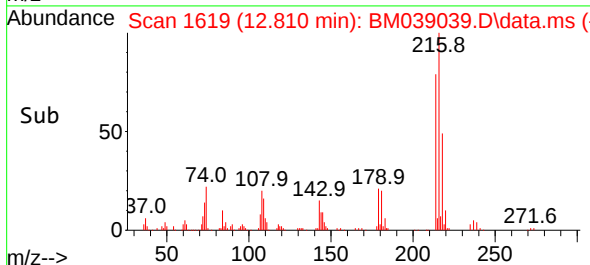
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

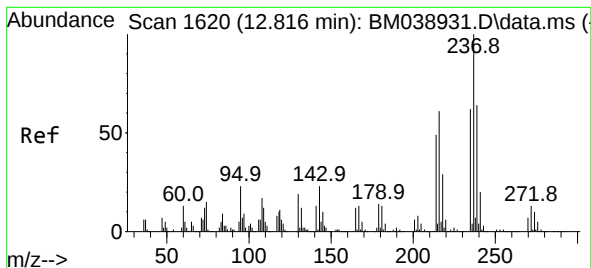


#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.317 ng
RT: 12.810 min Scan# 1619
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38



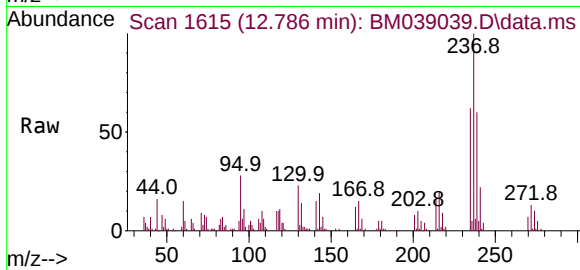
Tgt Ion:216 Resp: 98846
Ion Ratio Lower Upper
216 100
214 79.0 63.0 94.4
179 21.1 16.8 25.2
108 22.8 17.0 25.4





#41
Hexachlorocyclopentadiene
Concen: 3.353 ng
RT: 12.786 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

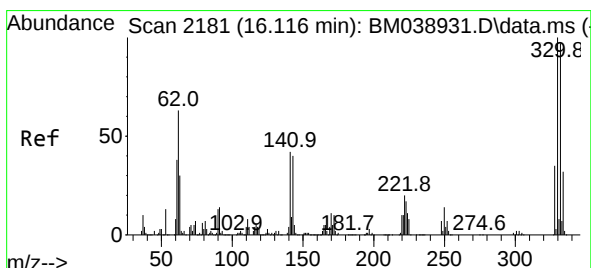
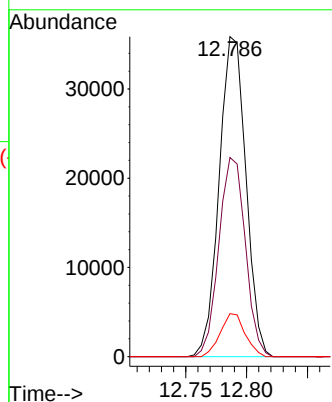
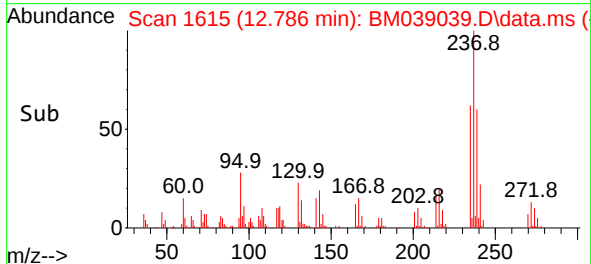
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



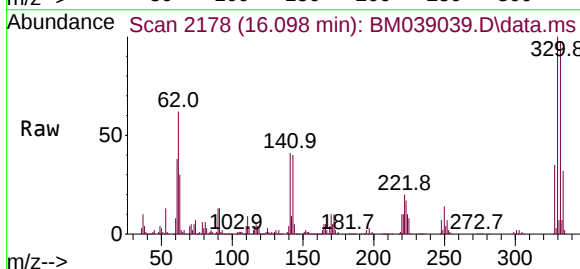
Tgt Ion:237 Resp: 54836
Ion Ratio Lower Upper
237 100
235 62.2 41.7 81.7
272 13.4 0.0 33.2

Manual Integrations
APPROVED

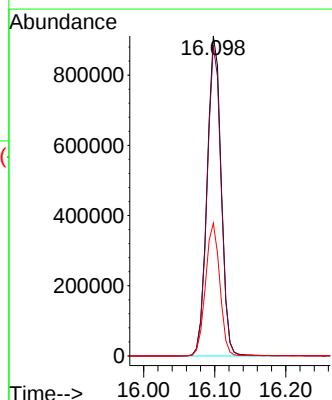
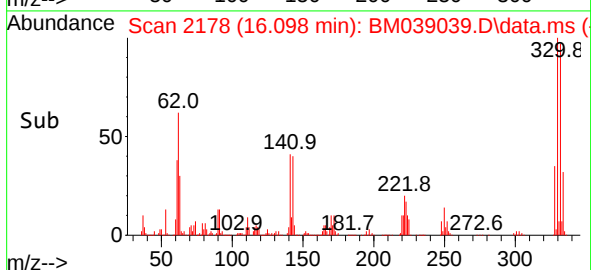
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

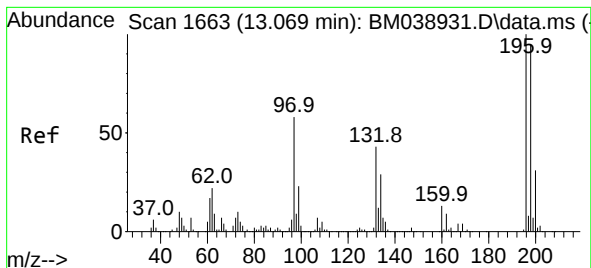


#42
2,4,6-Tribromophenol
Concen: 117.881 ng
RT: 16.098 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38



Tgt Ion:330 Resp: 1249848
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.0
141 42.2 32.2 48.4





#43

2,4,6-Trichlorophenol

Concen: 2.938 ng

RT: 13.045 min Scan# 1659

Delta R.T. -0.006 min

Lab File: BM039039.D

Acq: 20 Mar 2023 11:38

Instrument :

BNA_M

ClientSampleId :

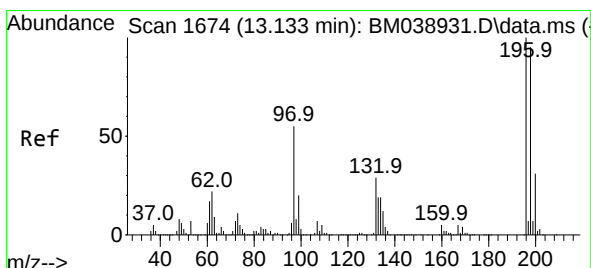
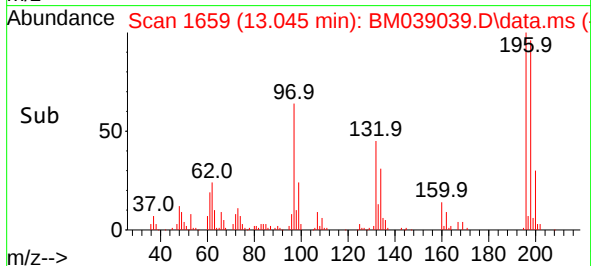
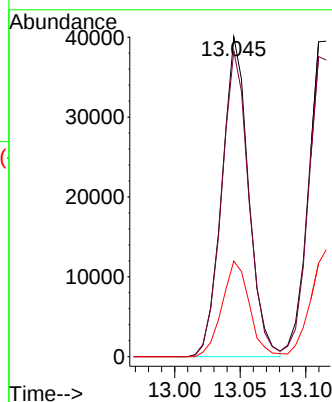
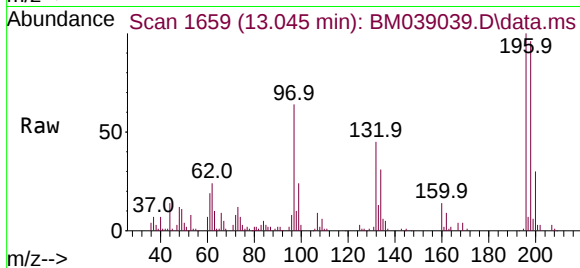
MDL-SOIL-03-QT1-2022

Tgt Ion:196	Resp:	56679
Ion Ratio	Lower	Upper
196	100	
198	95.5	75.8 113.8
200	29.8	25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#44

2,4,5-Trichlorophenol

Concen: 2.842 ng

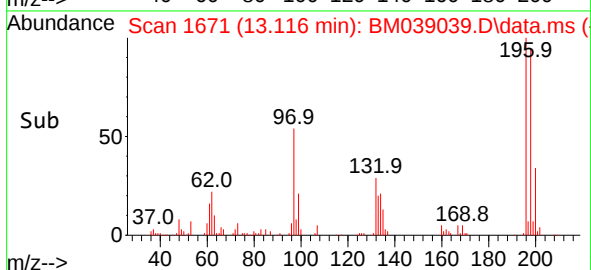
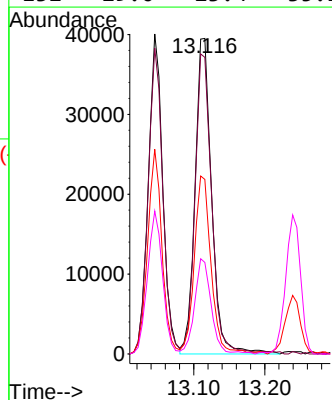
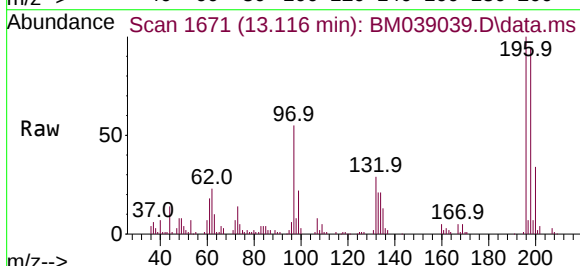
RT: 13.116 min Scan# 1671

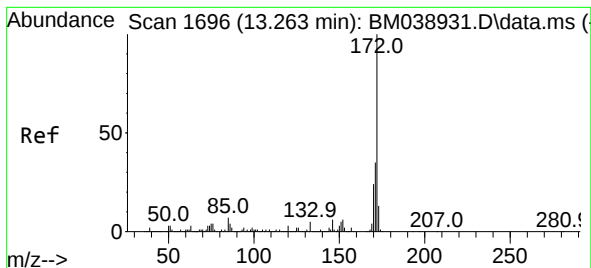
Delta R.T. -0.006 min

Lab File: BM039039.D

Acq: 20 Mar 2023 11:38

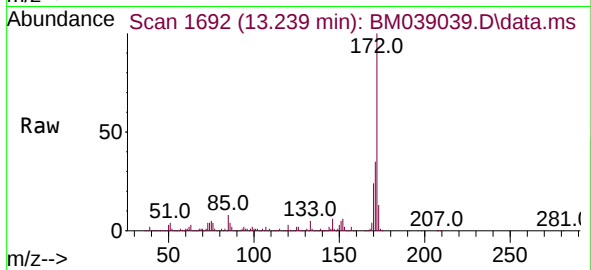
Tgt Ion:196	Resp:	64193
Ion Ratio	Lower	Upper
196	100	
198	94.0	76.3 114.5
97	55.3	44.2 66.4
132	29.0	23.4 35.2





#45
2-Fluorobiphenyl
Concen: 76.228 ng
RT: 13.239 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

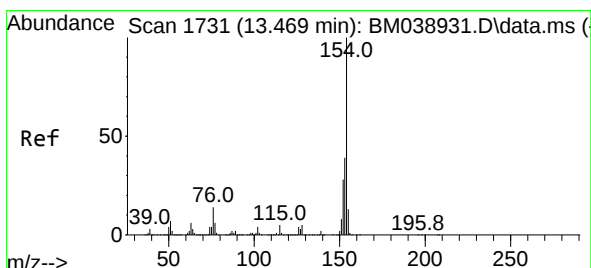
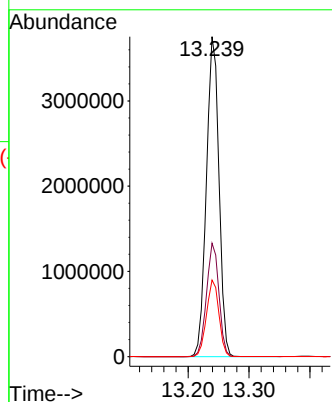
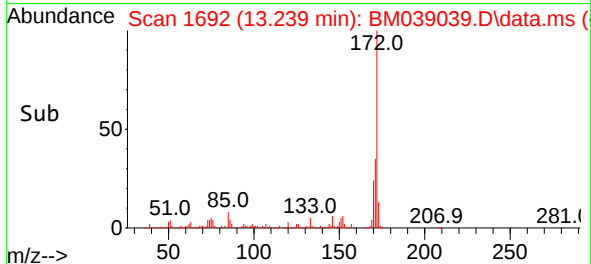
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



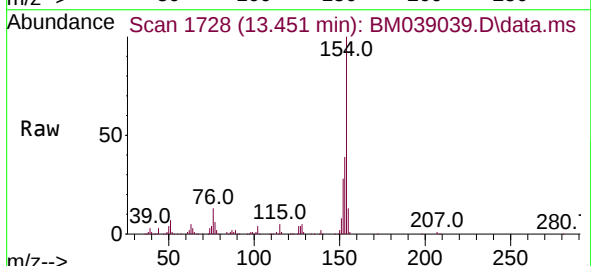
Tgt Ion:172 Resp: 5366790
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.2
170 23.9 19.1 28.7

Manual Integrations
APPROVED

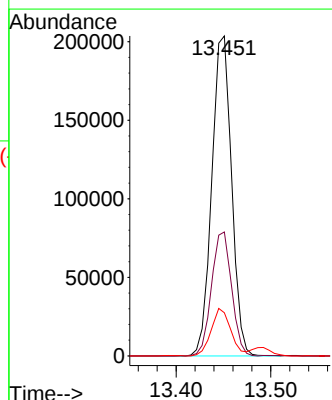
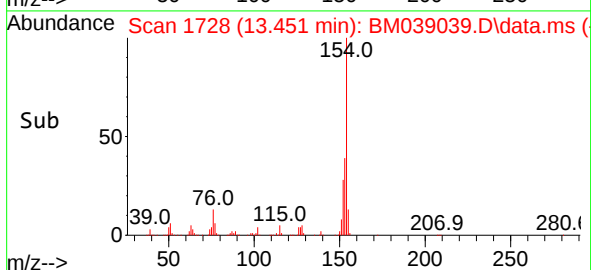
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

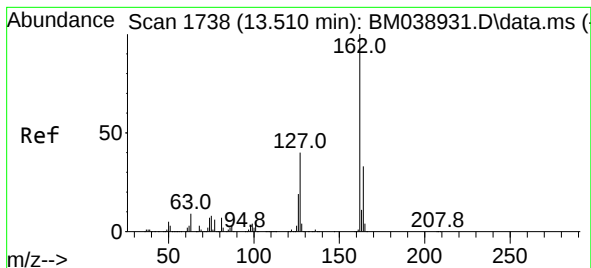


#46
1,1'-Biphenyl
Concen: 3.808 ng
RT: 13.451 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38



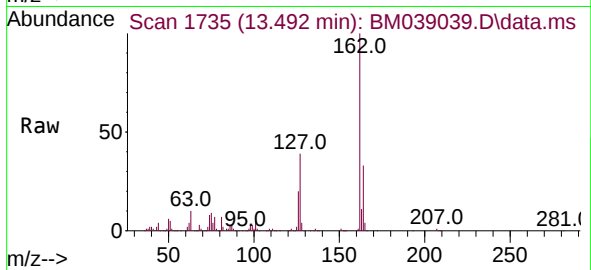
Tgt Ion:154 Resp: 295647
Ion Ratio Lower Upper
154 100
153 38.7 19.3 59.3
76 13.5 0.0 34.0





#47
2-Chloronaphthalene
Concen: 3.602 ng
RT: 13.492 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

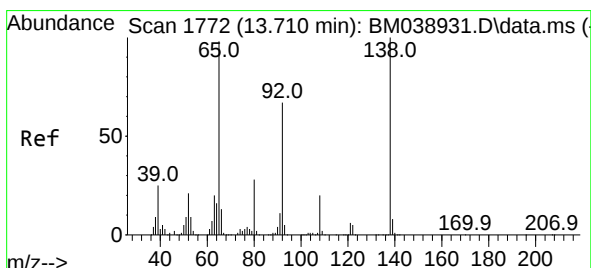
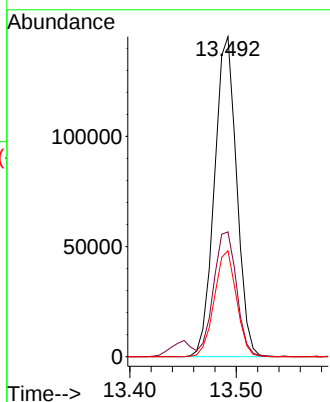
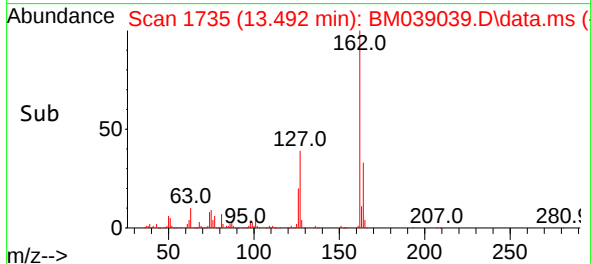
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT1-2022



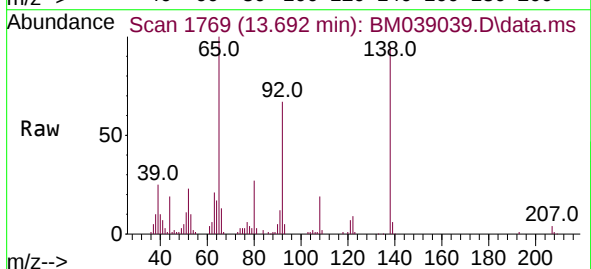
Tgt Ion:162 Resp: 210914
Ion Ratio Lower Upper
162 100
127 39.0 32.1 48.1
164 33.1 26.2 39.4

Manual Integrations
APPROVED

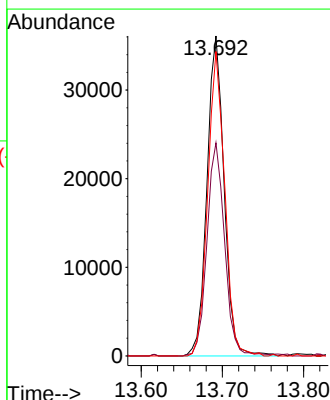
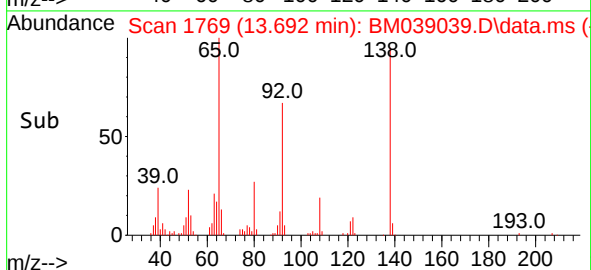
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

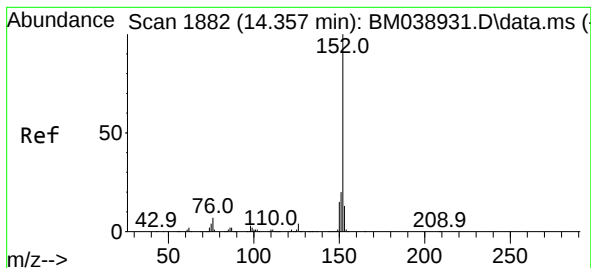


#48
2-Nitroaniline
Concen: 4.921 ng
RT: 13.692 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38



Tgt Ion: 65 Resp: 53170
Ion Ratio Lower Upper
65 100
92 66.6 54.9 82.3
138 95.1 81.6 122.4





#49

Acenaphthylene

Concen: 3.387 ng

RT: 14.333 min Scan# 18

Delta R.T. -0.006 min

Lab File: BM039039.D

Acq: 20 Mar 2023 11:38

Instrument :

BNA_M

ClientSampleId :

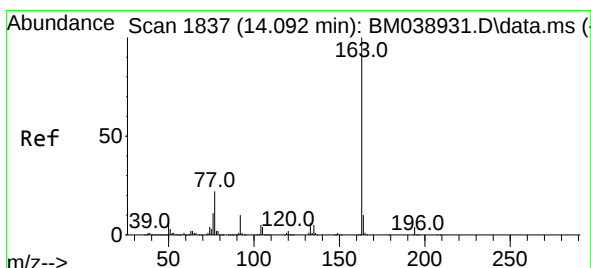
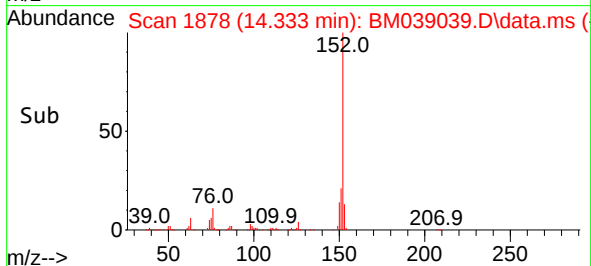
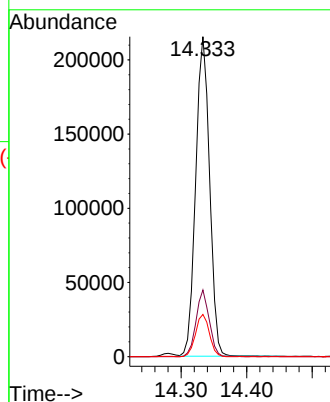
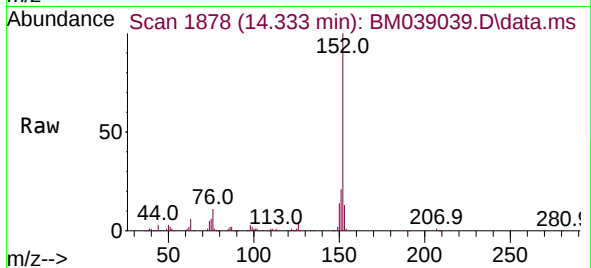
MDL-SOIL-03-QT1-2022

Tgt Ion:152 Resp: 315912
 Ion Ratio Lower Upper
 152 100
 151 20.8 15.8 23.8
 153 13.2 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/21/2023
 Supervised By :Jagrut Upadhyay 03/21/2023



#50

Dimethylphthalate

Concen: 3.778 ng

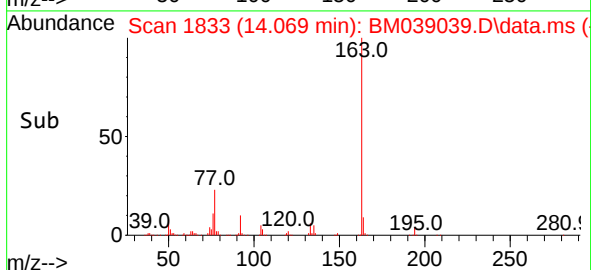
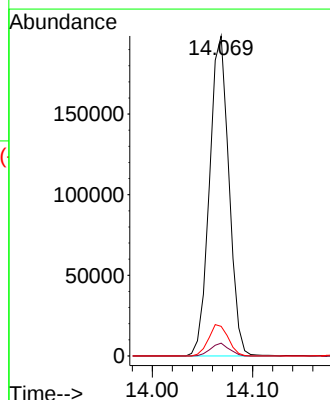
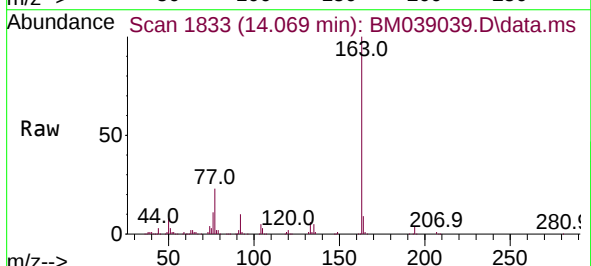
RT: 14.069 min Scan# 1833

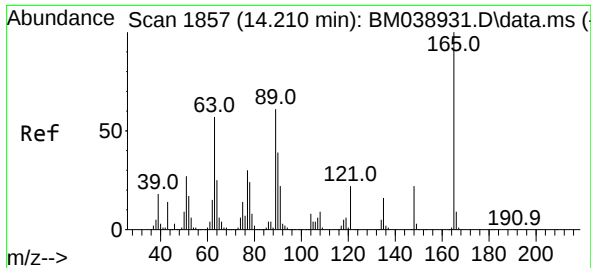
Delta R.T. -0.006 min

Lab File: BM039039.D

Acq: 20 Mar 2023 11:38

Tgt Ion:163 Resp: 266422
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.1 4.7
 164 9.2 8.1 12.1





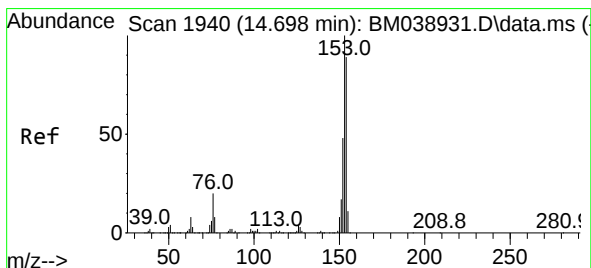
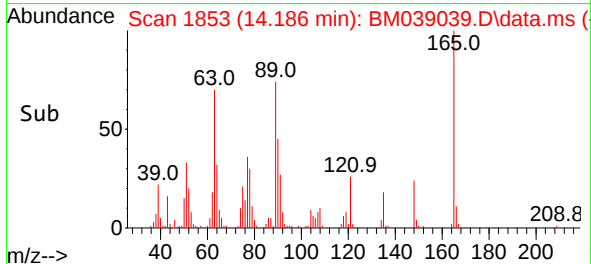
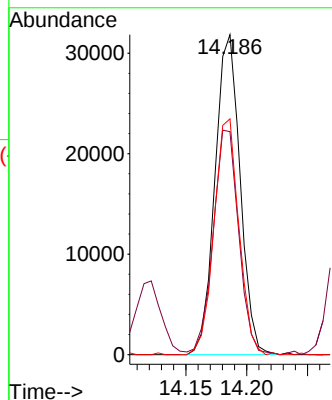
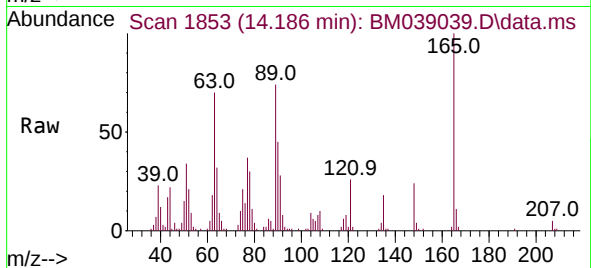
#51
2,6-Dinitrotoluene
Concen: 4.353 ng
RT: 14.186 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:165 Resp: 45575
Ion Ratio Lower Upper
165 100
63 69.7 46.6 70.0
89 73.7 48.6 73.0

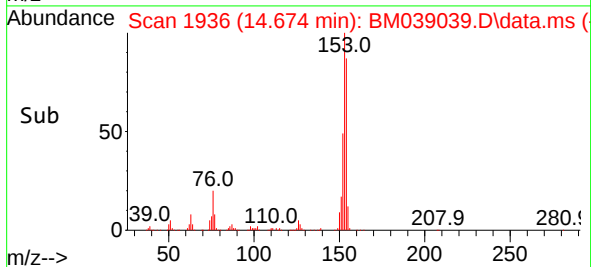
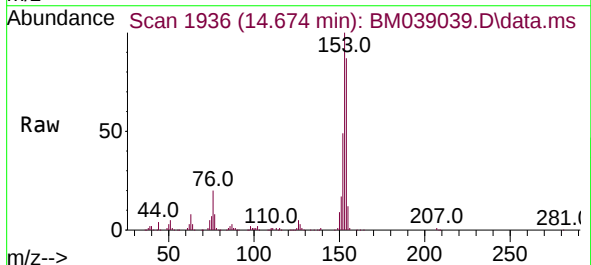
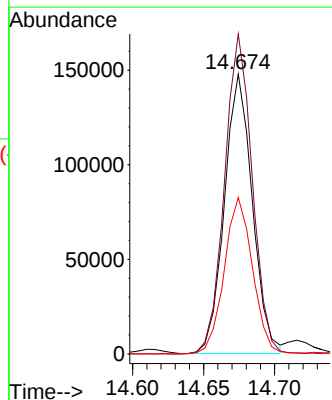
Manual Integrations
APPROVED

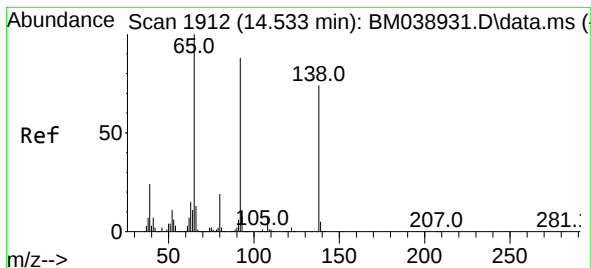
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#52
Acenaphthene
Concen: 3.526 ng
RT: 14.674 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

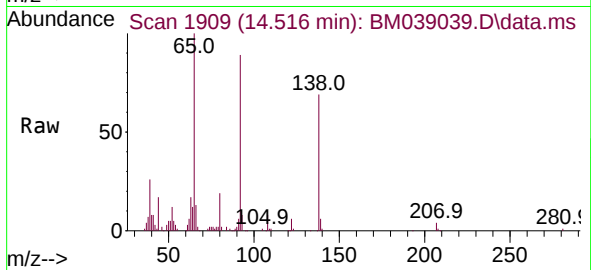
Tgt Ion:154 Resp: 202090
Ion Ratio Lower Upper
154 100
153 114.4 90.2 135.2
152 55.9 43.4 65.2





#53
3-Nitroaniline
Concen: 4.188 ng
RT: 14.516 min Scan# 1909
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

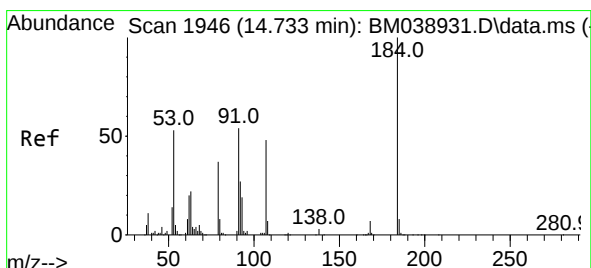
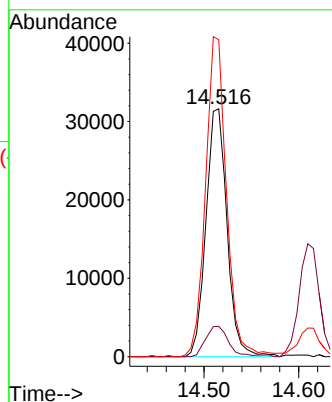
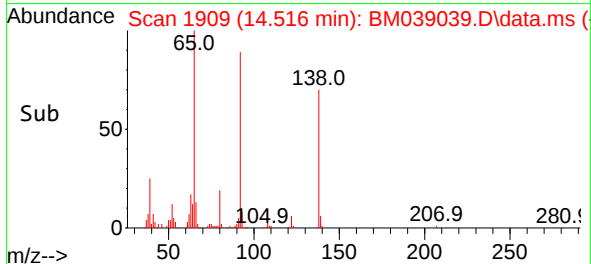
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:138 Resp: 4900
Ion Ratio Lower Upper
138 100
108 12.2 8.3 12.5
92 127.9 95.8 143.8

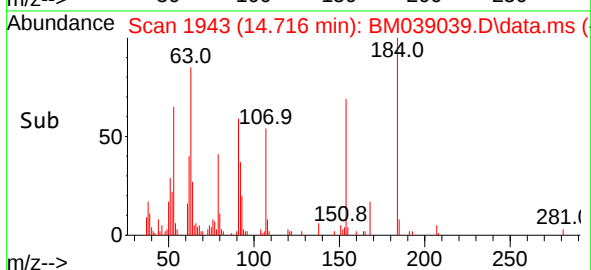
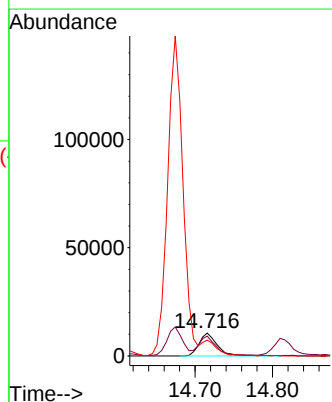
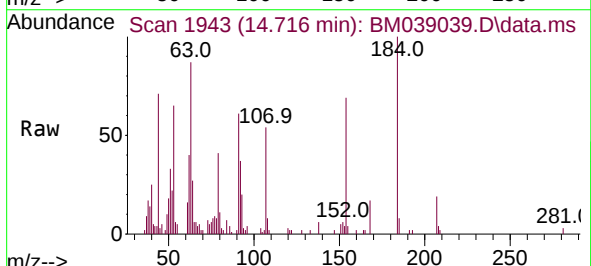
Manual Integrations
APPROVED

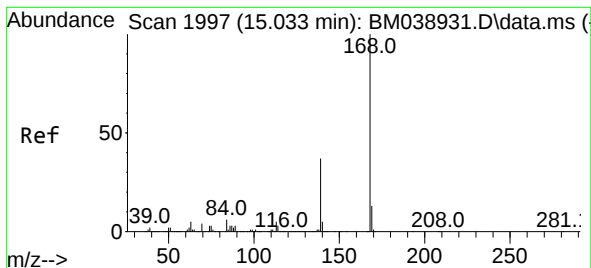
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#54
2,4-Dinitrophenol
Concen: 6.976 ng
RT: 14.716 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

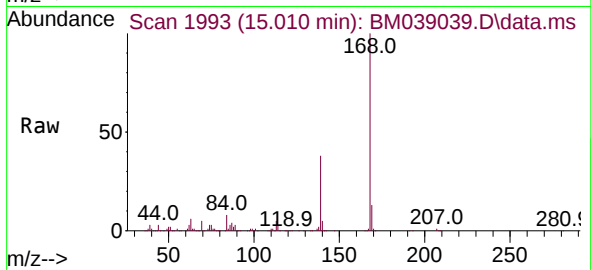
Tgt Ion:184 Resp: 17115
Ion Ratio Lower Upper
184 100
63 86.7 60.6 90.8
154 68.8 51.4 77.2





#55
Dibenzofuran
Concen: 3.581 ng
RT: 15.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

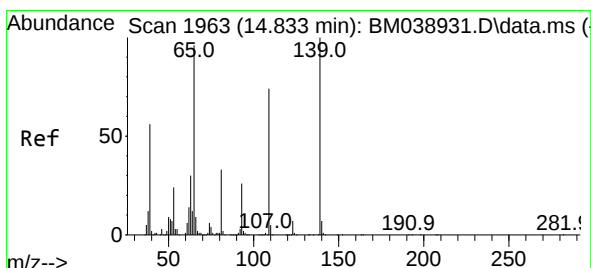
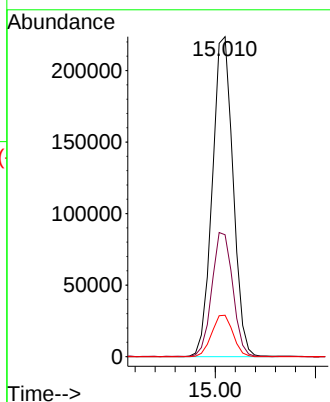
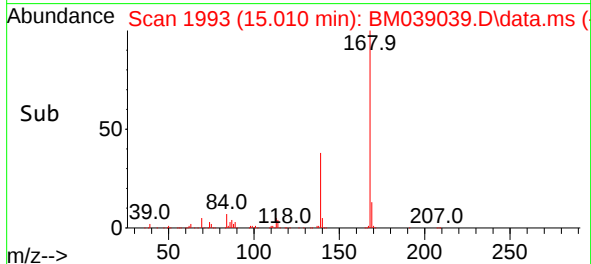
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



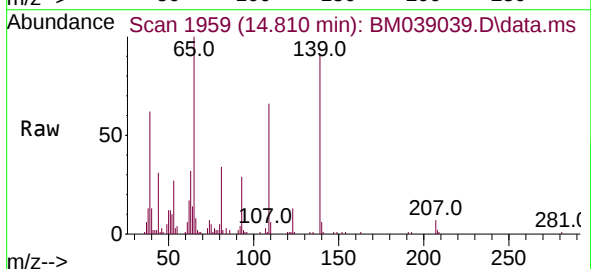
Tgt Ion:168 Resp: 32118
Ion Ratio Lower Upper
168 100
139 38.1 29.9 44.9
169 12.9 10.7 16.1

Manual Integrations
APPROVED

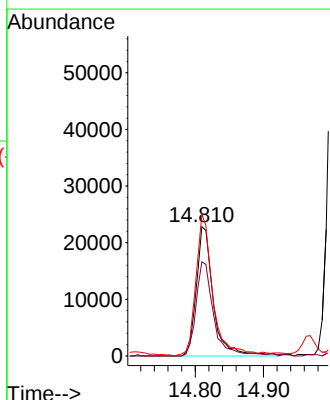
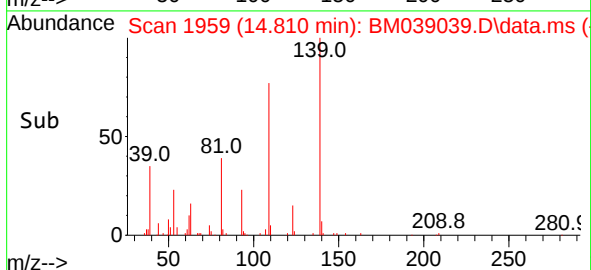
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

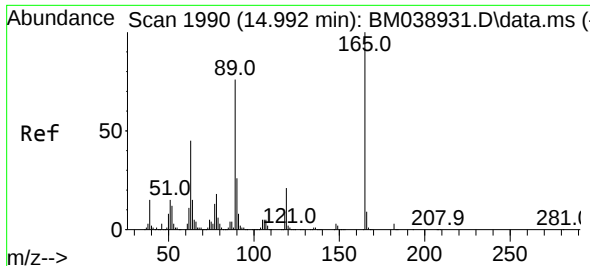


#56
4-Nitrophenol
Concen: 2.809 ng
RT: 14.810 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38



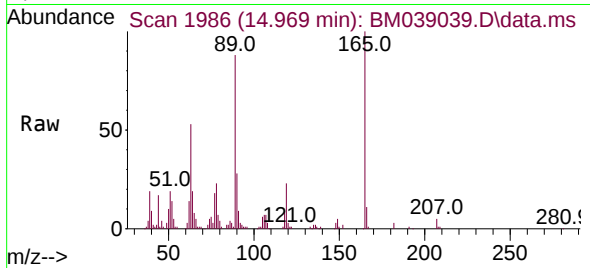
Tgt Ion:139 Resp: 39349
Ion Ratio Lower Upper
139 100
109 72.7 53.5 93.5
65 109.6 76.4 116.4





#57
2,4-Dinitrotoluene
Concen: 4.695 ng
RT: 14.969 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

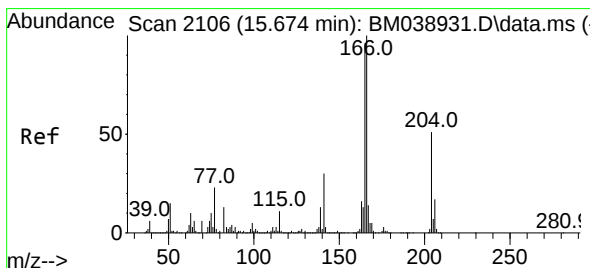
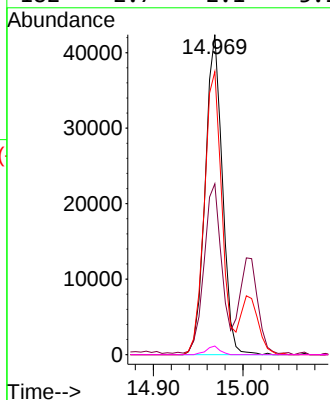
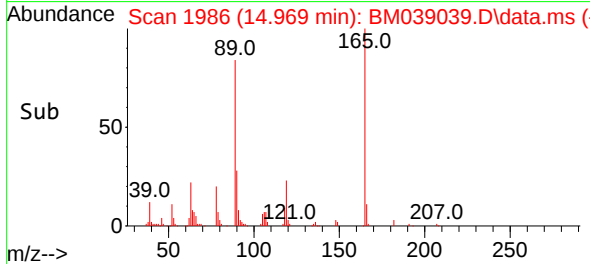
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:165 Resp: 56282
Ion Ratio Lower Upper
165 100
63 53.4 35.9 53.9
89 88.4 61.0 91.6
182 2.7 2.1 3.1

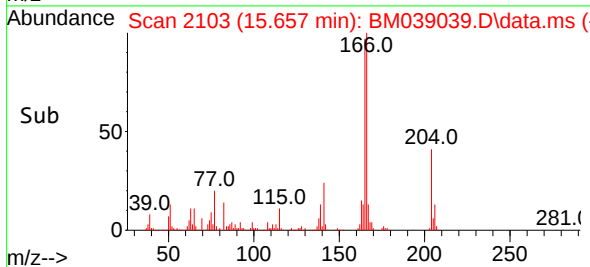
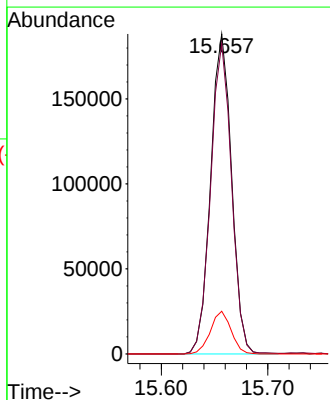
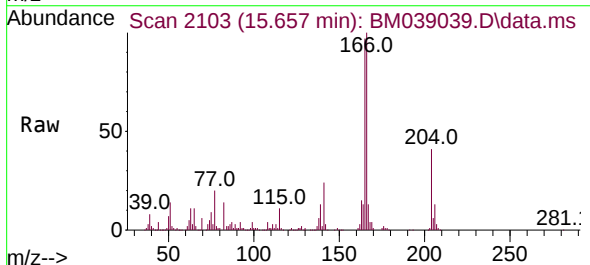
Manual Integrations
APPROVED

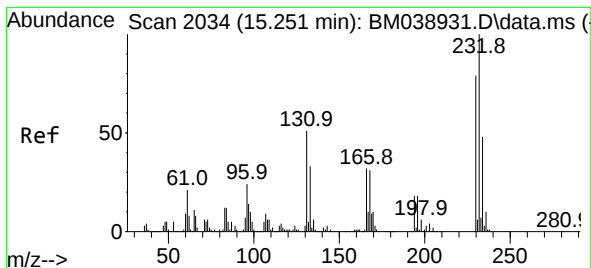
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#58
Fluorene
Concen: 3.662 ng
RT: 15.657 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

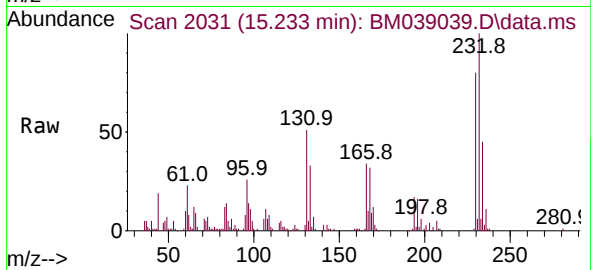
Tgt Ion:166 Resp: 257248
Ion Ratio Lower Upper
166 100
165 96.9 77.1 115.7
167 13.3 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.284 ng
RT: 15.233 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

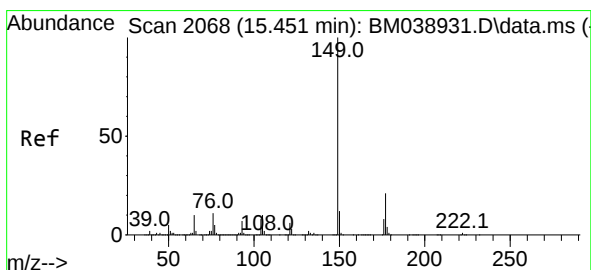
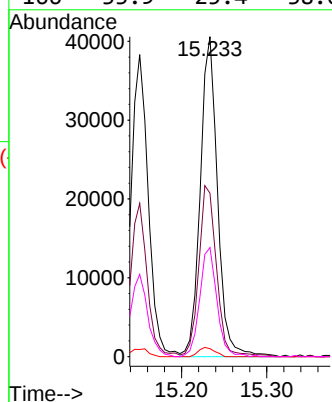
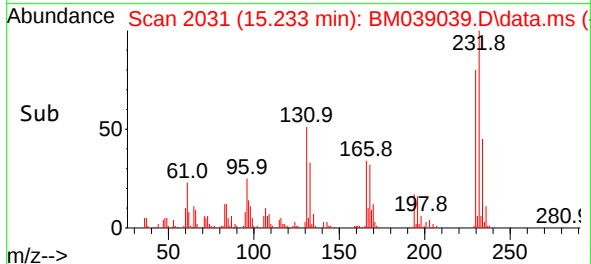
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



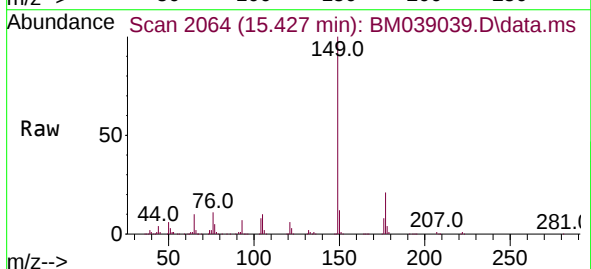
Tgt Ion:232 Resp: 57200
Ion Ratio Lower Upper
232 100
131 54.6 40.0 60.0
130 2.7 2.0 3.0
166 33.9 25.4 38.0

Manual Integrations
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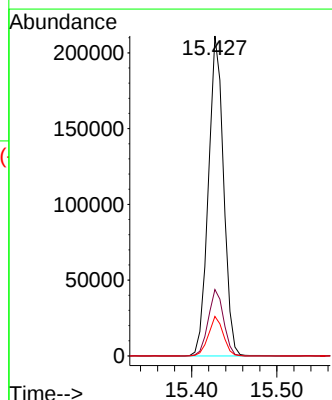
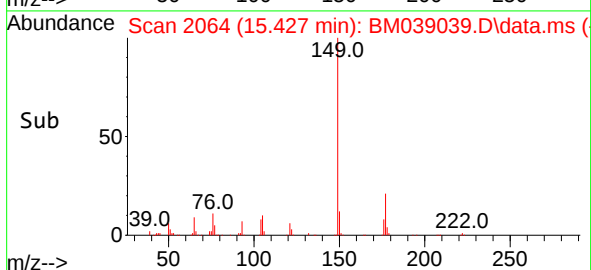
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

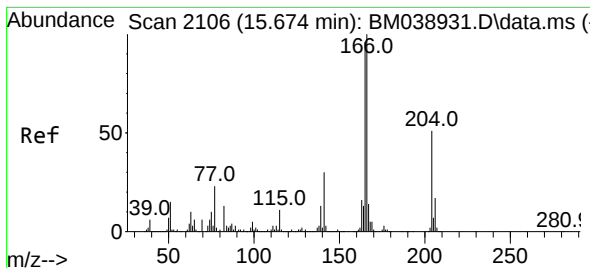


#60
Diethylphthalate
Concen: 3.805 ng
RT: 15.427 min Scan# 2064
Delta R.T. -0.012 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38



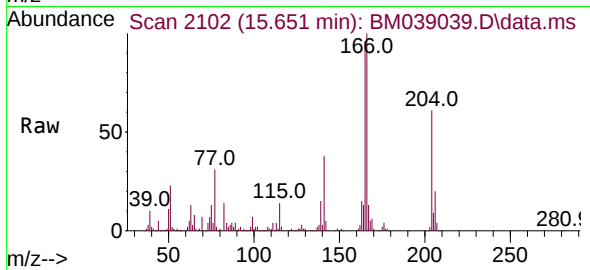
Tgt Ion:149 Resp: 261087
Ion Ratio Lower Upper
149 100
177 20.7 17.1 25.7
150 12.3 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 3.589 ng
RT: 15.651 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

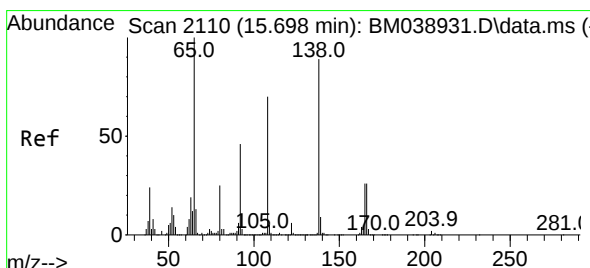
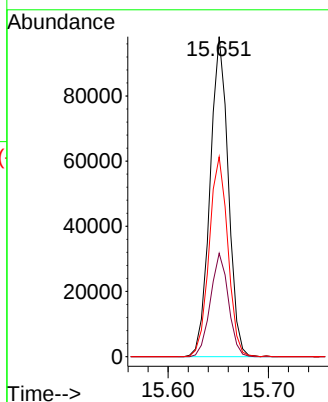
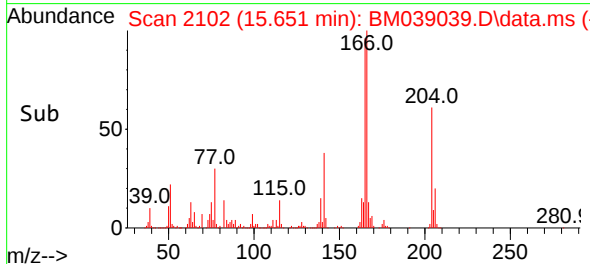
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:204 Resp: 123890
Ion Ratio Lower Upper
204 100
206 32.3 26.4 39.6
141 62.4 46.4 69.6

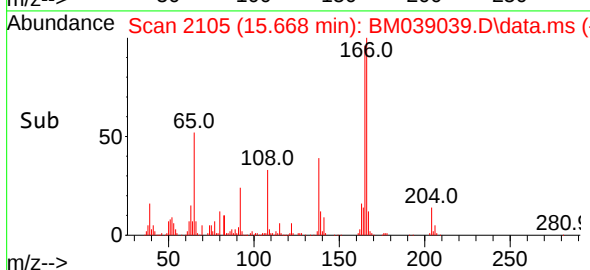
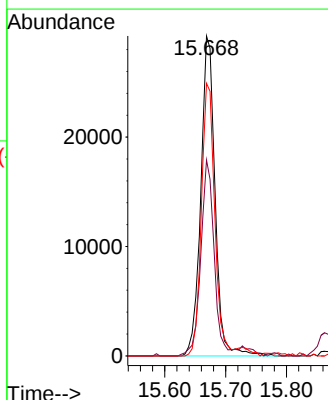
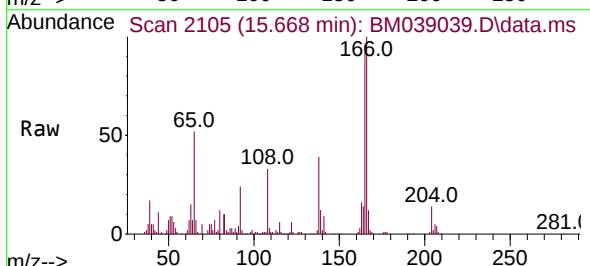
Manual Integrations
APPROVED

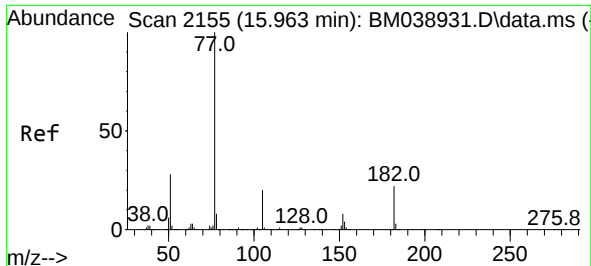
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#62
4-Nitroaniline
Concen: 4.222 ng
RT: 15.668 min Scan# 2105
Delta R.T. -0.018 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

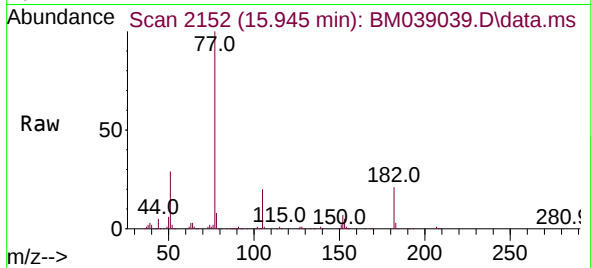
Tgt Ion:138 Resp: 47641
Ion Ratio Lower Upper
138 100
92 61.2 31.6 71.6
108 85.2 58.6 98.6





#63
Azobenzene
Concen: 3.563 ng
RT: 15.945 min Scan# 2152
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

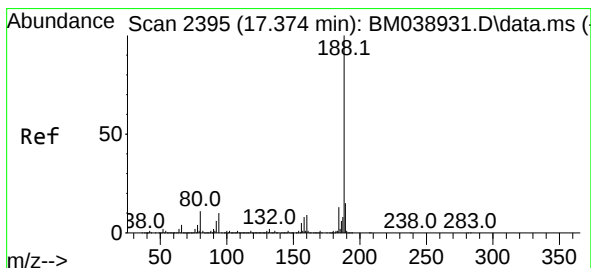
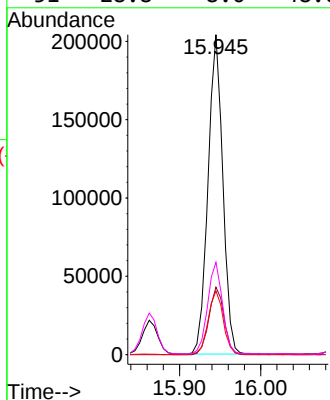
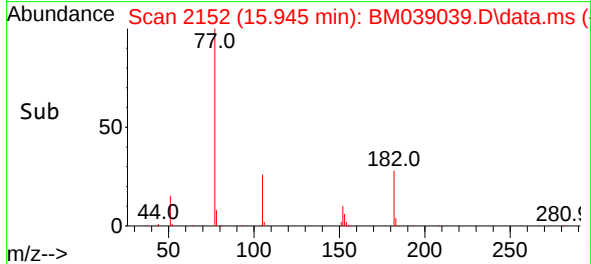
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 77 Resp: 258701
Ion Ratio Lower Upper
77 100
182 21.1 2.0 42.0
105 19.9 0.4 40.4
51 28.8 8.0 48.0

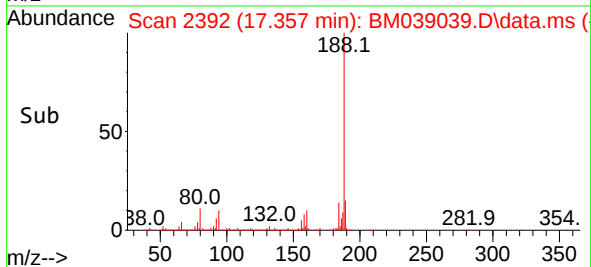
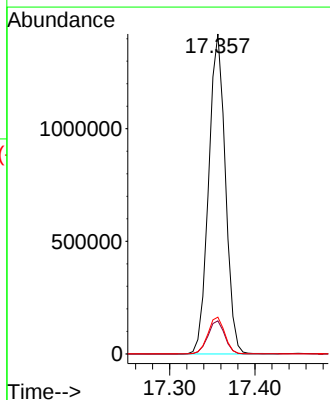
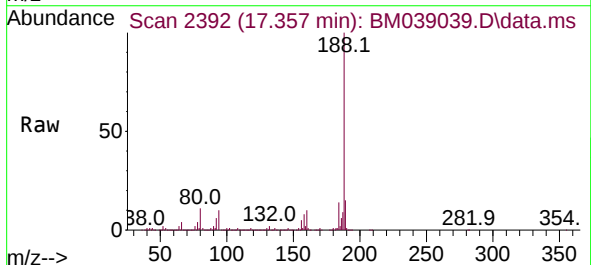
Manual Integrations
APPROVED

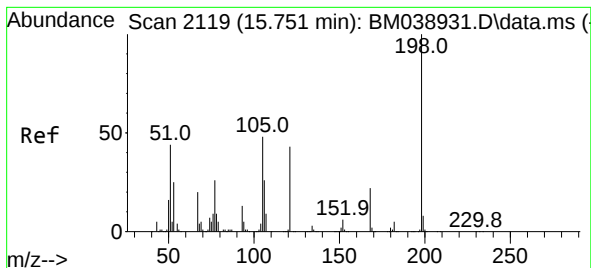
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.357 min Scan# 2392
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

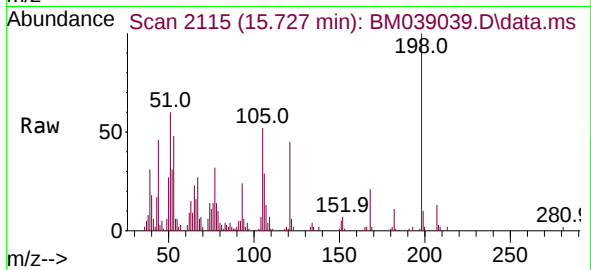
Tgt Ion:188 Resp: 1935634
Ion Ratio Lower Upper
188 100
94 10.3 7.9 11.9
80 11.5 8.5 12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 6.887 ng
RT: 15.727 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

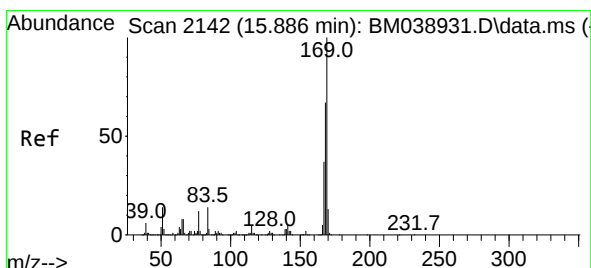
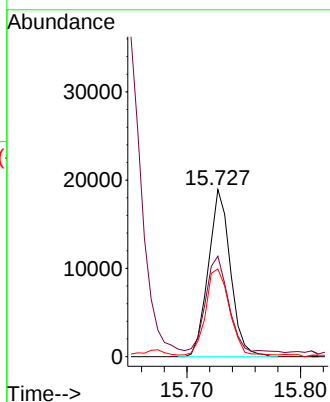
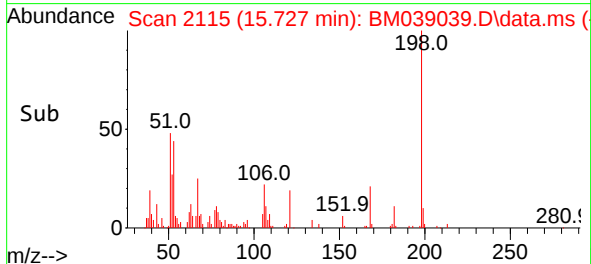
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



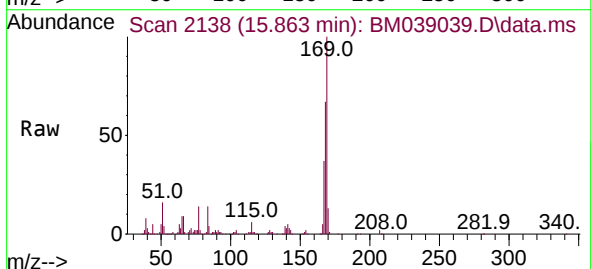
Tgt Ion:198 Resp: 25588
Ion Ratio Lower Upper
198 100
51 60.0 30.1 70.1
105 52.4 29.3 69.3

Manual Integrations
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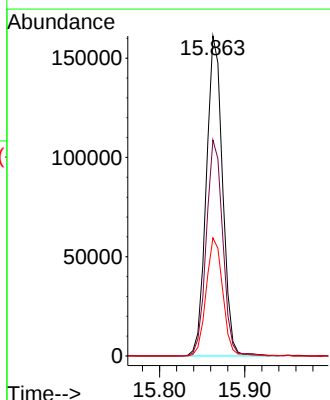
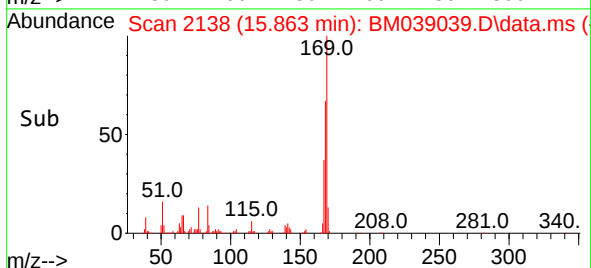
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

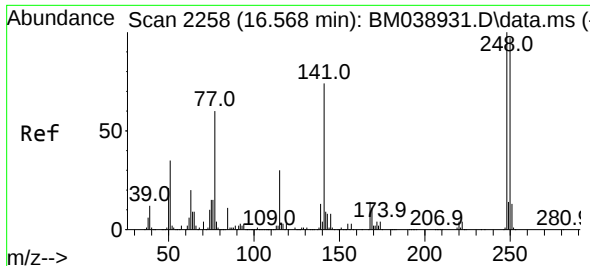


#66
n-Nitrosodiphenylamine
Concen: 3.267 ng
RT: 15.863 min Scan# 2138
Delta R.T. -0.012 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38



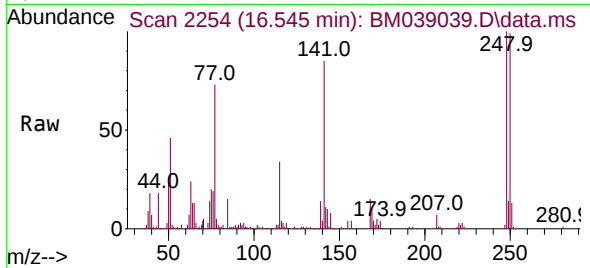
Tgt Ion:169 Resp: 213202
Ion Ratio Lower Upper
169 100
168 67.5 53.4 80.0
167 36.9 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 3.310 ng
RT: 16.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

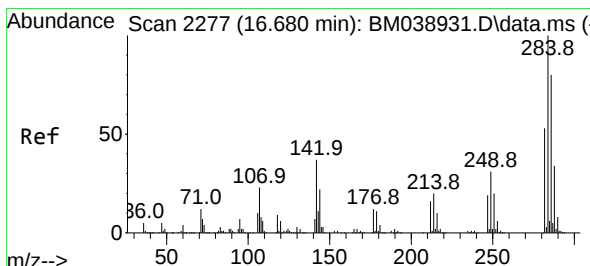
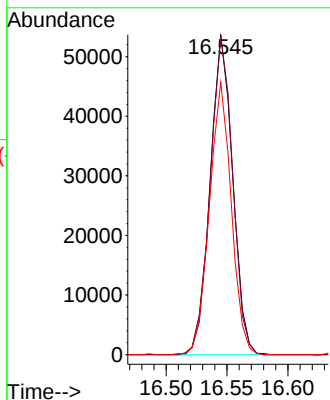
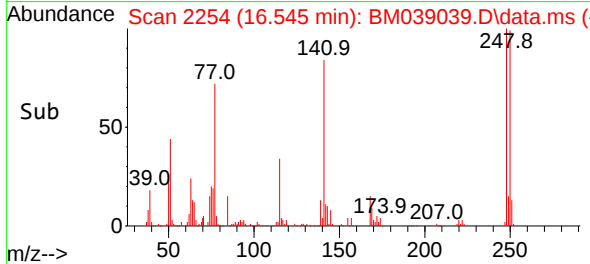
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



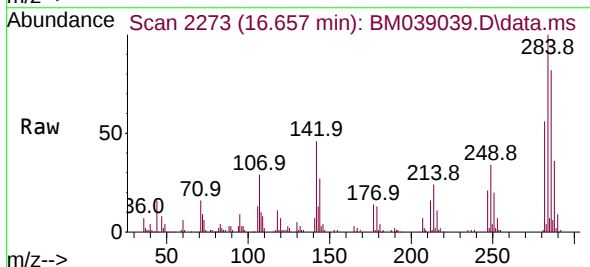
Tgt Ion:248 Resp: 69200
Ion Ratio Lower Upper
248 100
250 99.4 77.8 116.8
141 85.0 59.0 88.4

Manual Integrations
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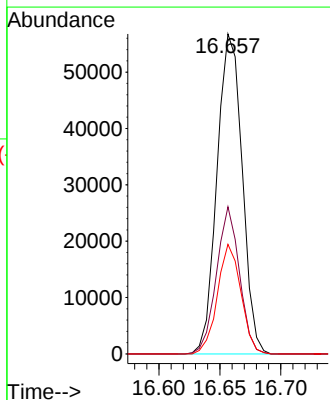
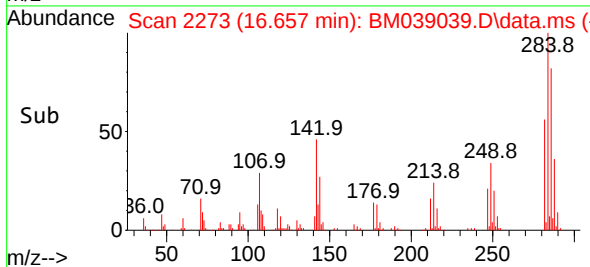
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

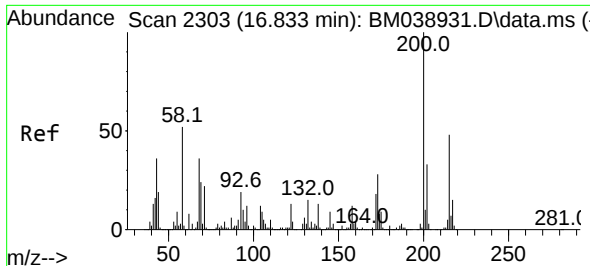


#68
Hexachlorobenzene
Concen: 3.483 ng
RT: 16.657 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38



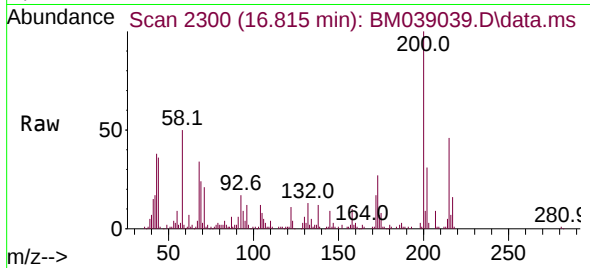
Tgt Ion:284 Resp: 81398
Ion Ratio Lower Upper
284 100
142 46.0 29.5 44.3#
249 38.1 25.0 37.4#





#69
 Atrazine
 Concen: 3.801 ng
 RT: 16.815 min Scan# 2303
 Delta R.T. -0.006 min
 Lab File: BM039039.D
 Acq: 20 Mar 2023 11:38

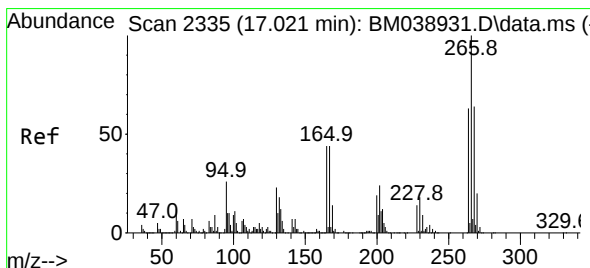
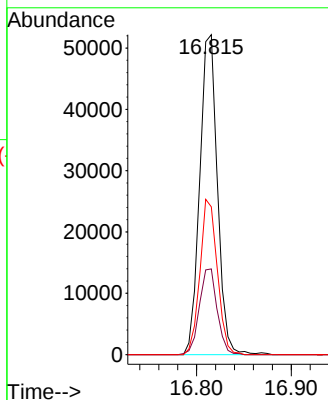
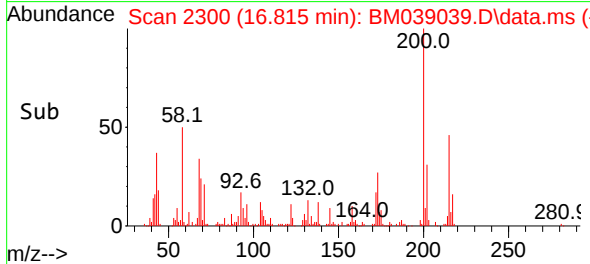
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2022



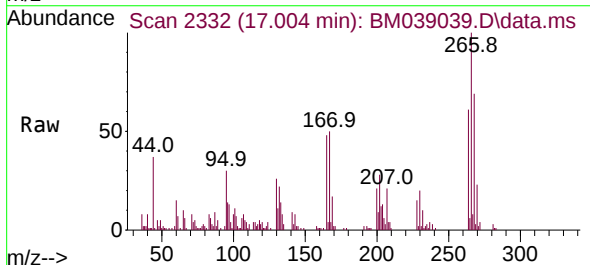
Tgt Ion:200 Resp: 67756
 Ion Ratio Lower Upper
 200 100
 173 26.8 8.2 48.2
 215 46.2 27.8 67.8

Manual Integrations
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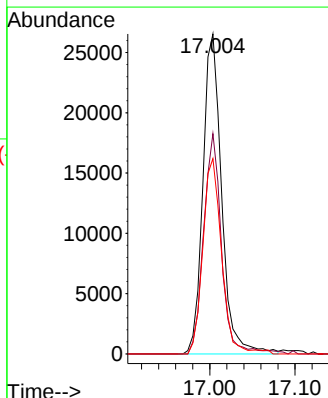
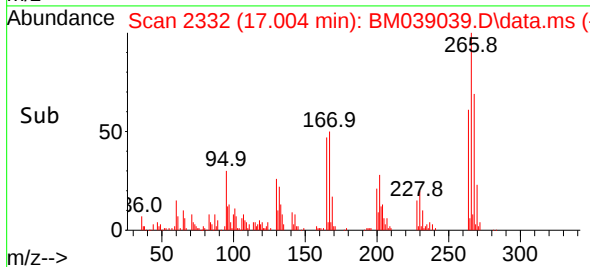
Reviewed By :Christian Giraldo 03/21/2023
 Supervised By :Jagrut Upadhyay 03/21/2023

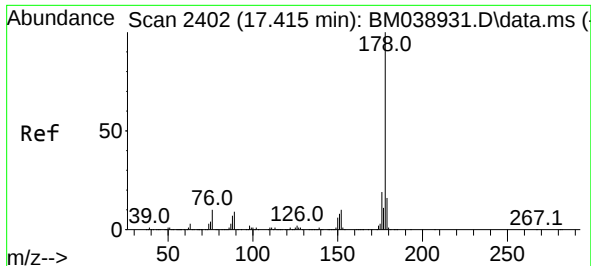


#70
 Pentachlorophenol
 Concen: 2.356 ng
 RT: 17.004 min Scan# 2332
 Delta R.T. -0.006 min
 Lab File: BM039039.D
 Acq: 20 Mar 2023 11:38



Tgt Ion:266 Resp: 40506
 Ion Ratio Lower Upper
 266 100
 268 68.8 51.0 76.4
 264 61.0 50.3 75.5





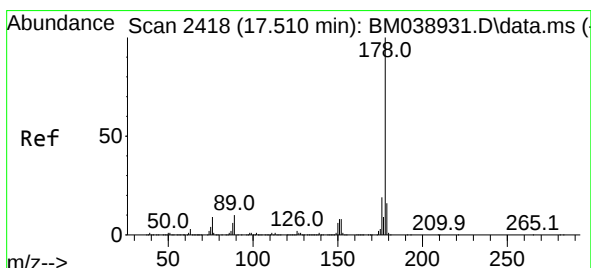
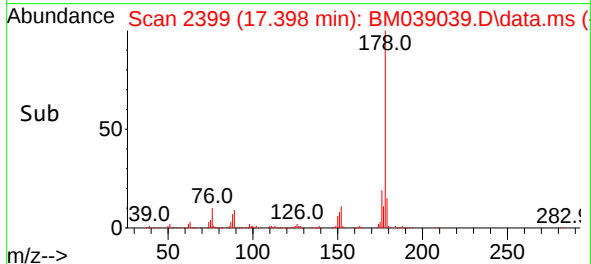
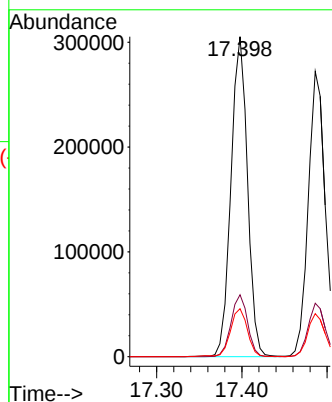
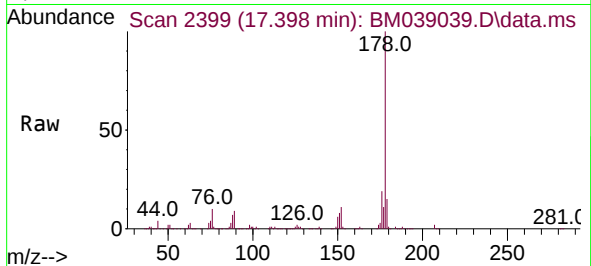
#71
Phenanthrene
Concen: 3.612 ng
RT: 17.398 min Scan# 2402
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

Instrument : BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:178 Resp: 410338
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.0 12.5 18.7

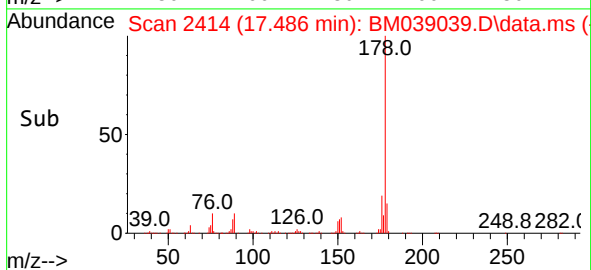
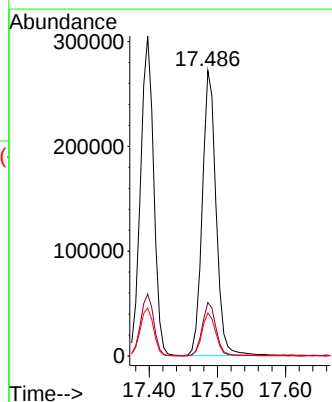
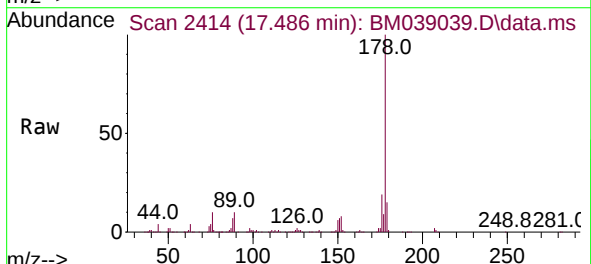
Manual Integrations
APPROVED

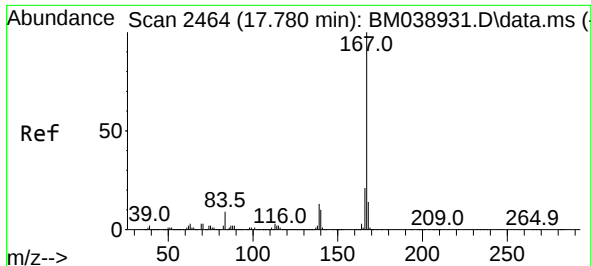
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#72
Anthracene
Concen: 3.372 ng
RT: 17.486 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

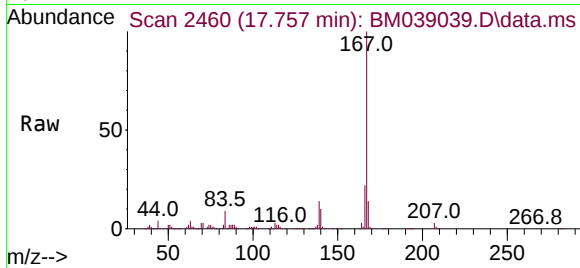
Tgt Ion:178 Resp: 382072
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.1 12.5 18.7





#73
Carbazole
Concen: 3.432 ng
RT: 17.757 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

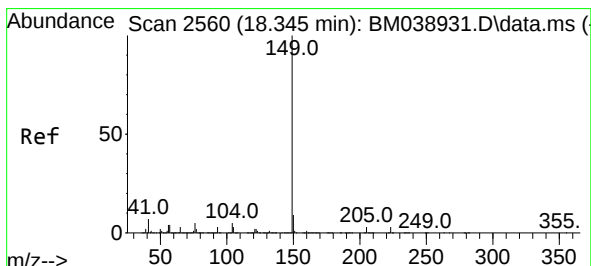
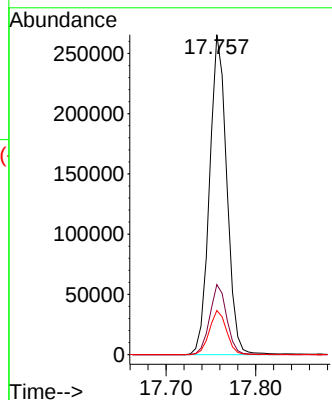
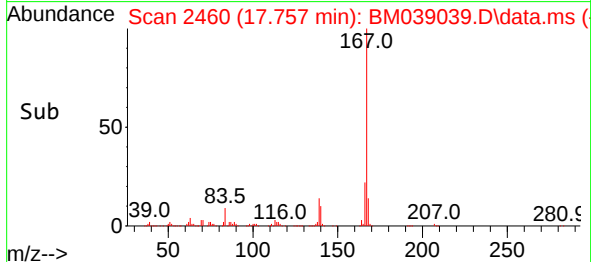
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



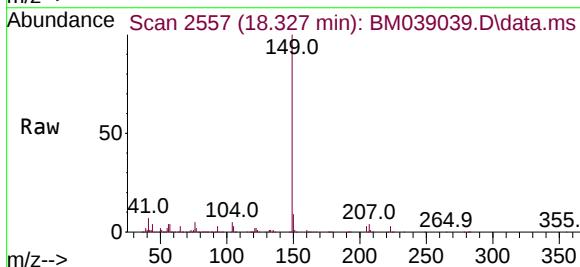
Tgt Ion:167 Resp: 354893
Ion Ratio Lower Upper
167 100
166 21.9 17.0 25.4
139 13.8 10.3 15.5

Manual Integrations
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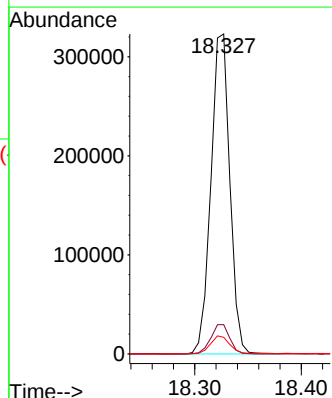
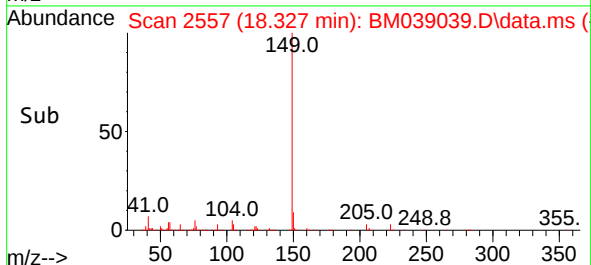
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

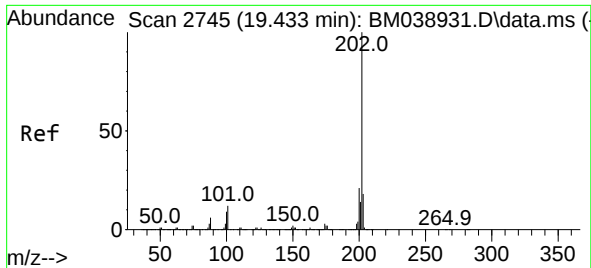


#74
Di-n-butylphthalate
Concen: 4.843 ng
RT: 18.327 min Scan# 2557
Delta R.T. 0.000 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38



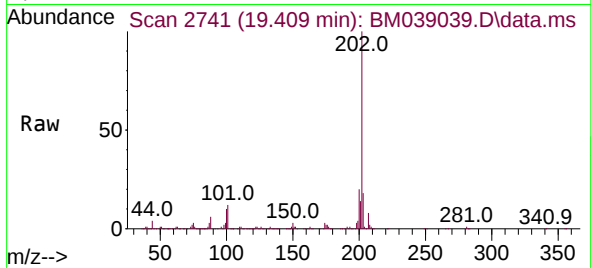
Tgt Ion:149 Resp: 398904
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 5.2 4.3 6.5





#75
Fluoranthene
Concen: 3.576 ng
RT: 19.409 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

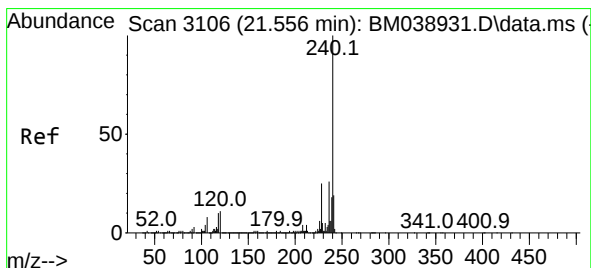
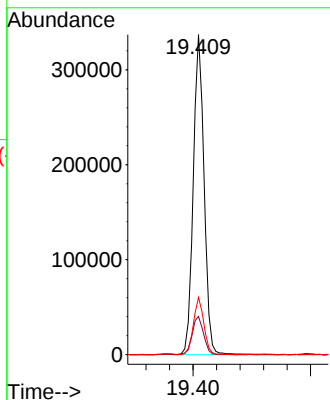
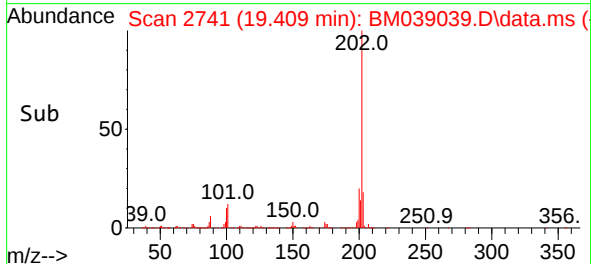
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:202 Resp: 428880
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.7
203 17.9 0.0 37.6

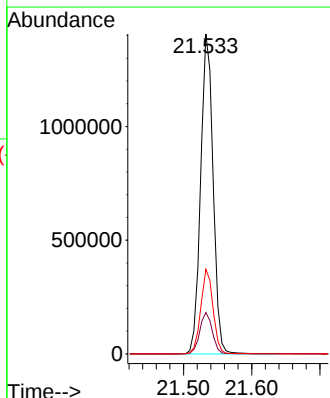
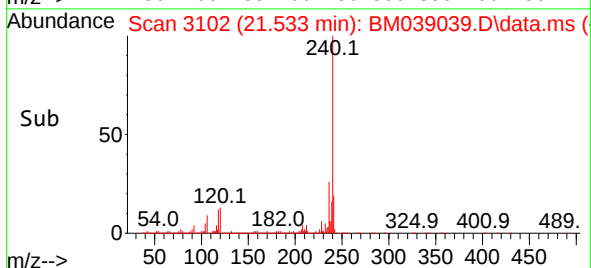
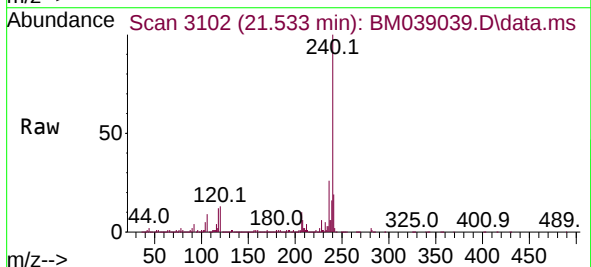
Manual Integrations
APPROVED

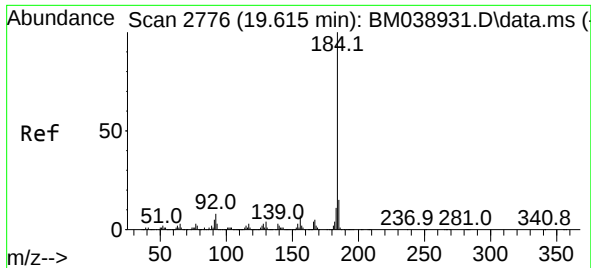
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.533 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

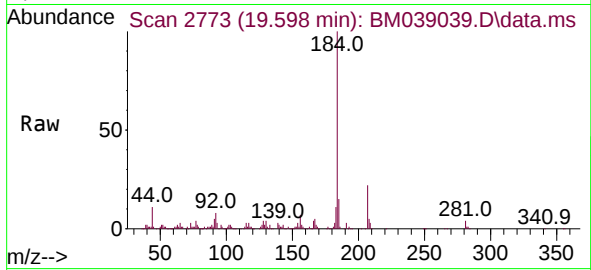
Tgt Ion:240 Resp: 1789904
Ion Ratio Lower Upper
240 100
120 12.9 9.2 13.8
236 26.4 20.8 31.2





#77
Benzidine
Concen: 8.892 ng
RT: 19.598 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

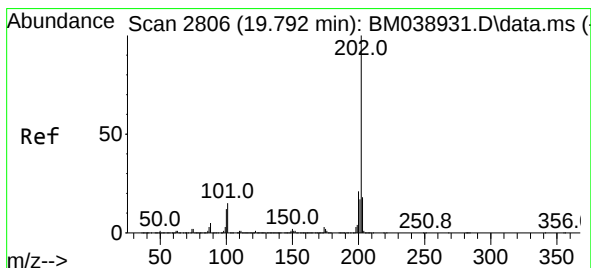
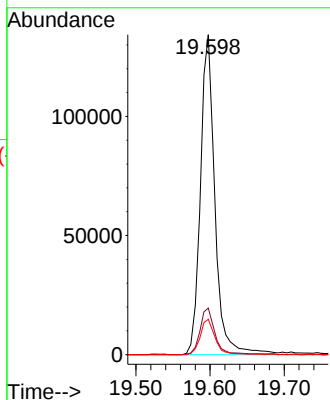
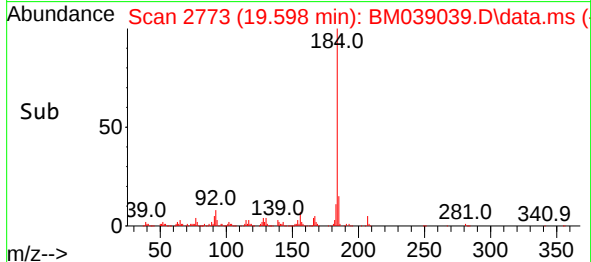
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



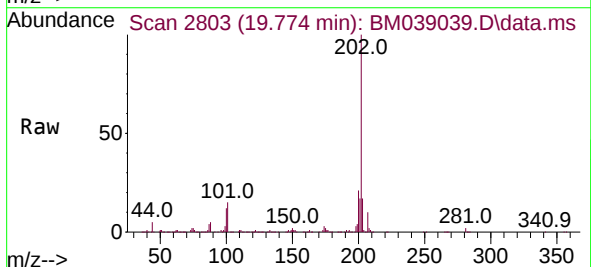
Tgt Ion:184 Resp: 182378
Ion Ratio Lower Upper
184 100
185 14.5 12.2 18.4
183 11.0 8.8 13.2

Manual Integrations
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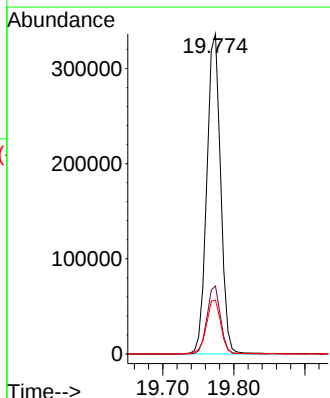
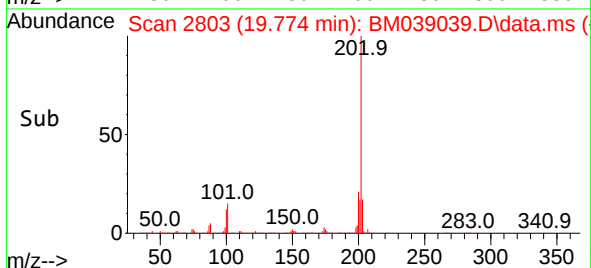
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

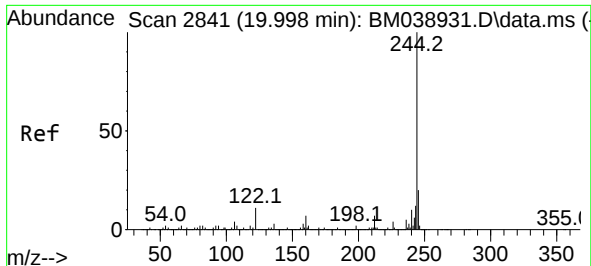


#78
Pyrene
Concen: 3.376 ng
RT: 19.774 min Scan# 2803
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38



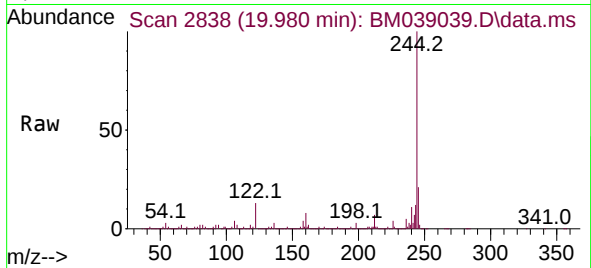
Tgt Ion:202 Resp: 453916
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 16.8 14.1 21.1





#79
Terphenyl-d14
Concen: 83.050 ng
RT: 19.980 min Scan# 2841
Delta R.T. 0.000 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

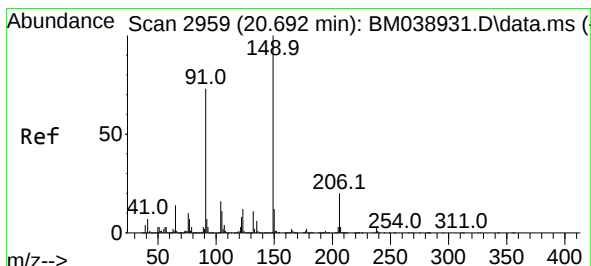
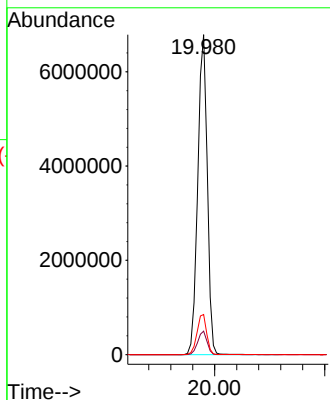
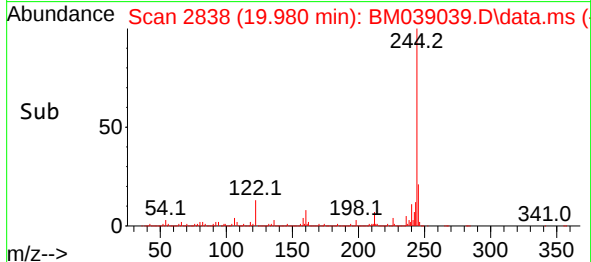
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:244 Resp: 8130476
Ion Ratio Lower Upper
244 100
212 7.3 5.5 8.3
122 12.5 9.0 13.4

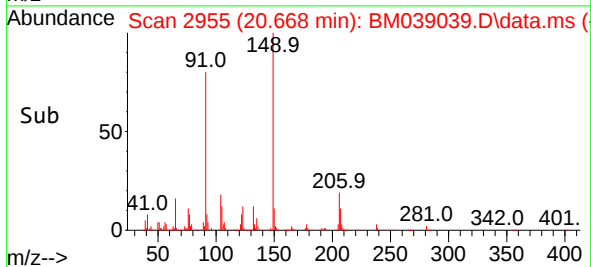
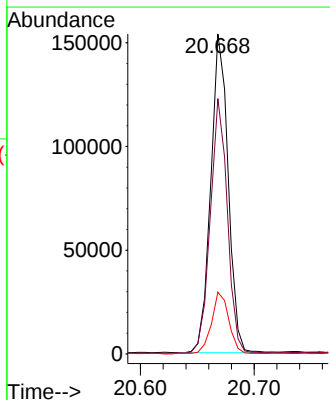
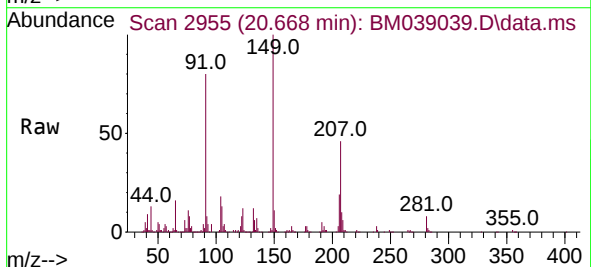
Manual Integrations
APPROVED

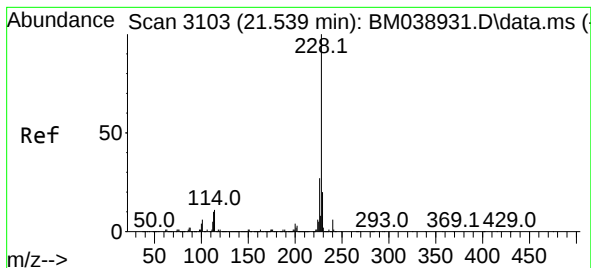
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#80
Butylbenzylphthalate
Concen: 5.984 ng
RT: 20.668 min Scan# 2955
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

Tgt Ion:149 Resp: 163824
Ion Ratio Lower Upper
149 100
91 79.8 58.4 87.6
206 19.3 16.1 24.1





#81

Benzo(a)anthracene

Concen: 3.526 ng

RT: 21.515 min Scan# 30

Delta R.T. -0.012 min

Lab File: BM039039.D

Acq: 20 Mar 2023 11:38

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:228 Resp: 454438

Ion Ratio Lower Upper

228 100

226 26.9 21.4 32.2

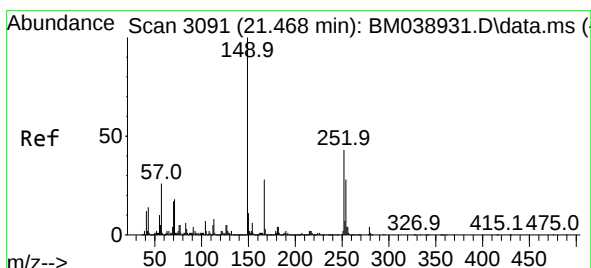
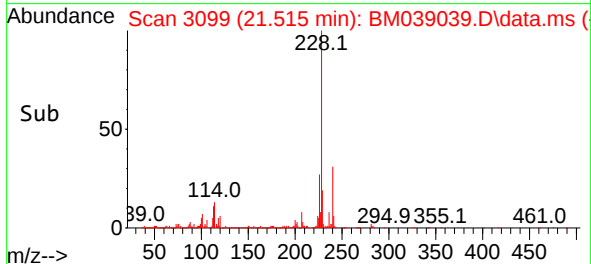
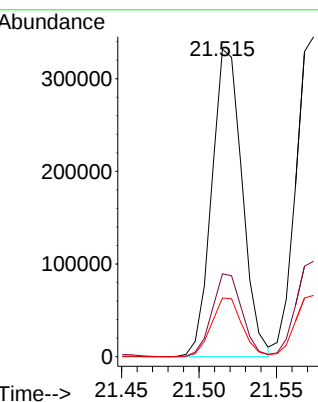
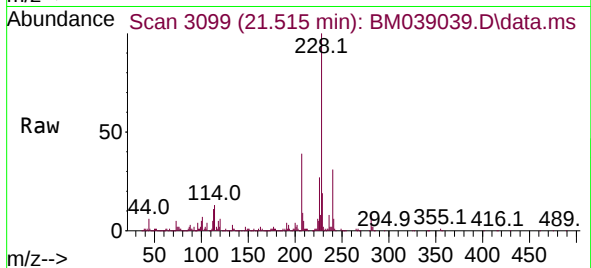
229 19.1 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/21/2023

Supervised By :Jagrut Upadhyay 03/21/2023



#82

3,3'-Dichlorobenzidine

Concen: 3.864 ng

RT: 21.450 min Scan# 3088

Delta R.T. -0.006 min

Lab File: BM039039.D

Acq: 20 Mar 2023 11:38

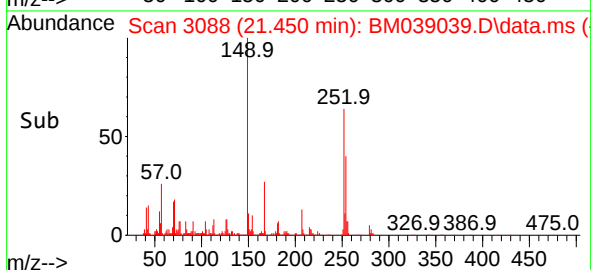
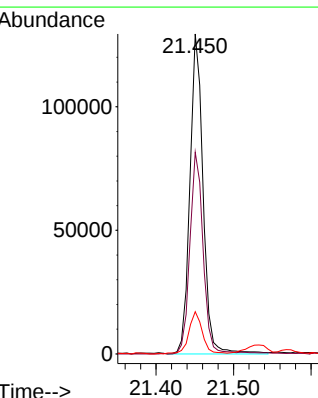
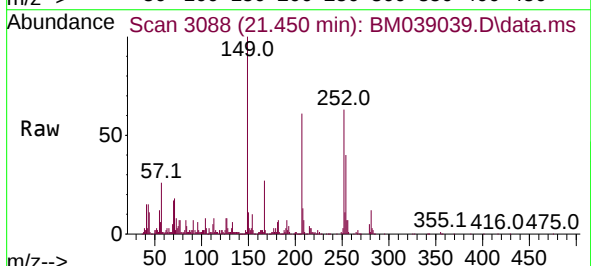
Tgt Ion:252 Resp: 153081

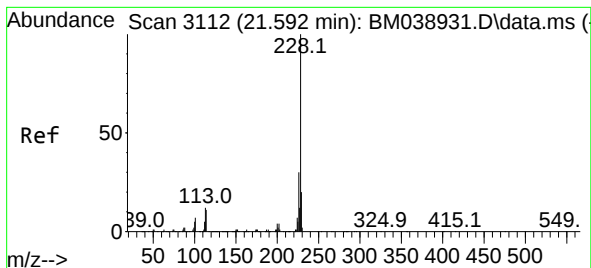
Ion Ratio Lower Upper

252 100

254 63.0 51.5 77.3

126 13.2 9.9 14.9





#83

Chrysene

Concen: 3.528 ng

RT: 21.574 min Scan# 3112

Delta R.T. -0.006 min

Lab File: BM039039.D

Acq: 20 Mar 2023 11:38

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:228 Resp: 442250

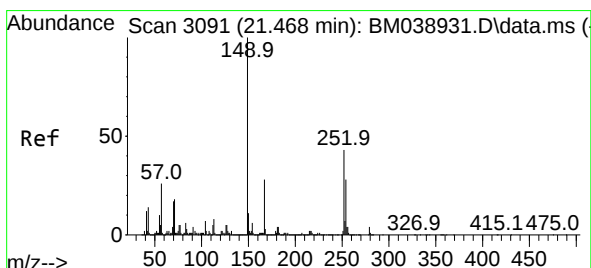
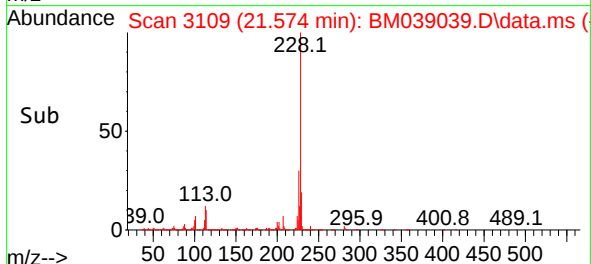
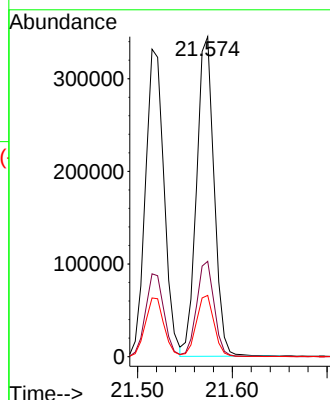
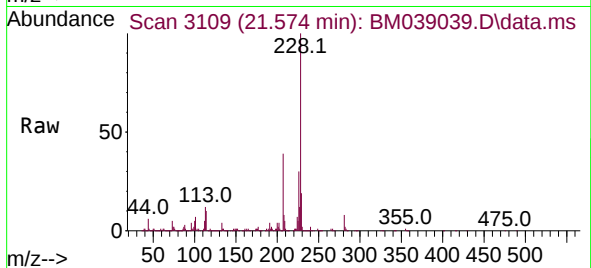
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	19.1	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/21/2023

Supervised By :Jagrut Upadhyay 03/21/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.416 ng

RT: 21.445 min Scan# 3087

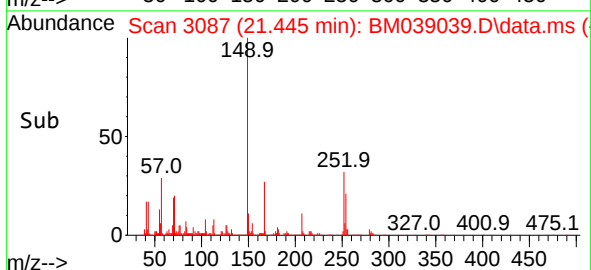
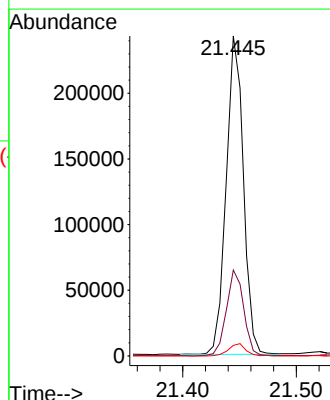
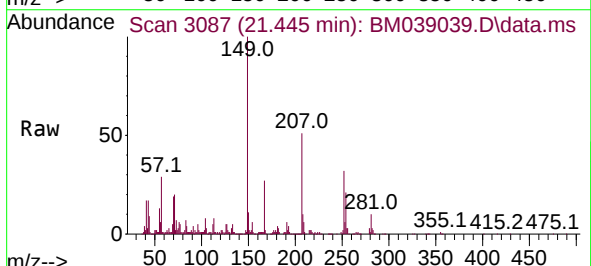
Delta R.T. -0.006 min

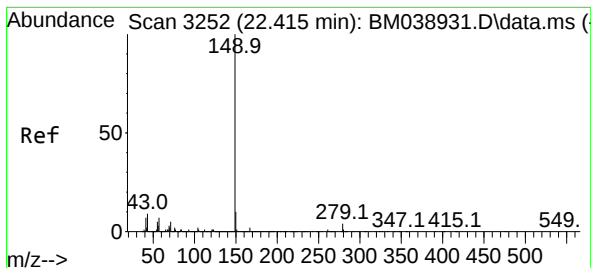
Lab File: BM039039.D

Acq: 20 Mar 2023 11:38

Tgt Ion:149 Resp: 255476

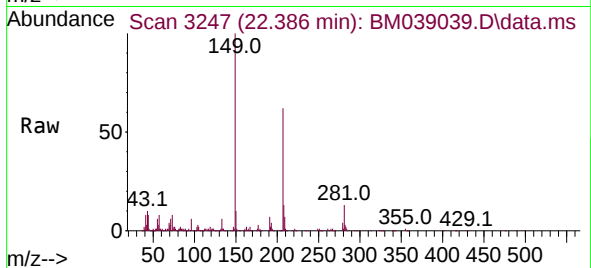
Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.3	33.5
279	3.3	3.2	4.8





#85
Di-n-octyl phthalate
Concen: 6.466 ng
RT: 22.386 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

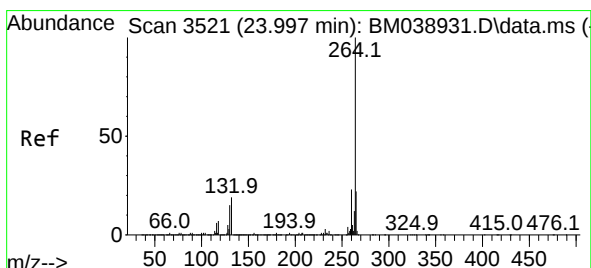
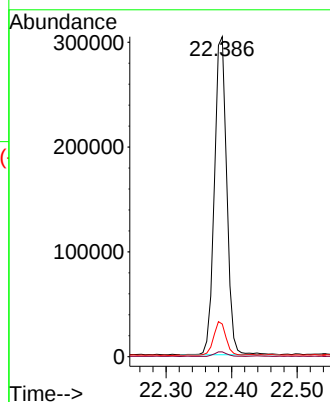
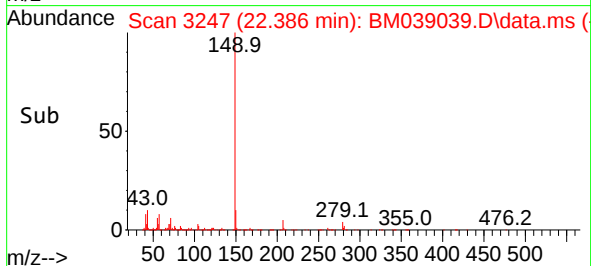
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:149 Resp: 397576
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.4 7.4 11.2

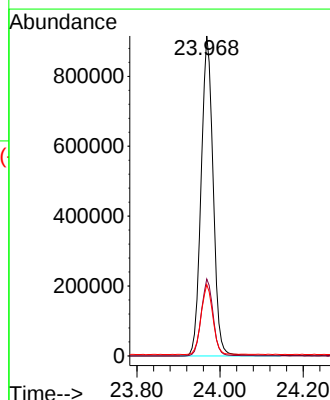
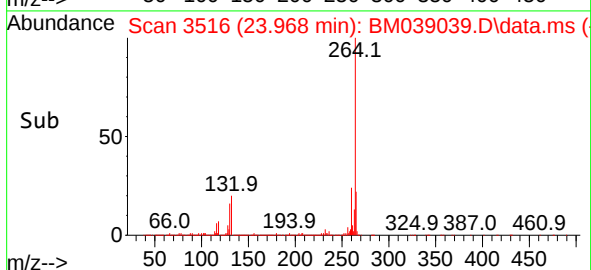
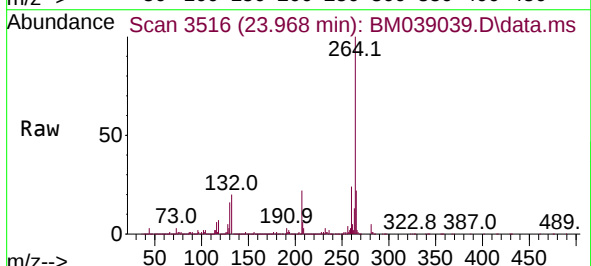
Manual Integrations
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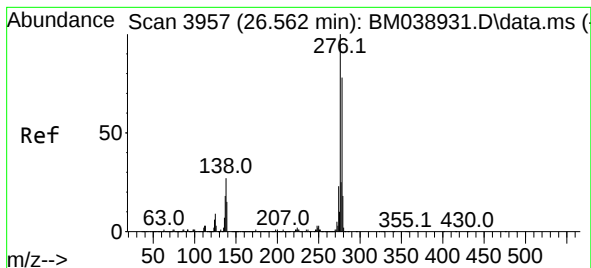
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.968 min Scan# 3516
Delta R.T. -0.012 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

Tgt Ion:264 Resp: 1834696
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 22.3 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.189 ng

RT: 26.497 min Scan# 3957

Delta R.T. -0.023 min

Lab File: BM039039.D

Acq: 20 Mar 2023 11:38

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2022

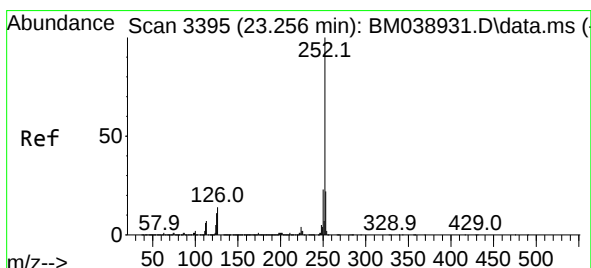
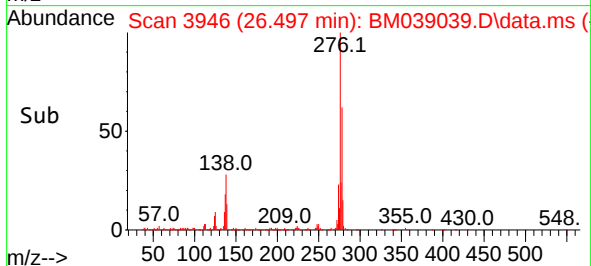
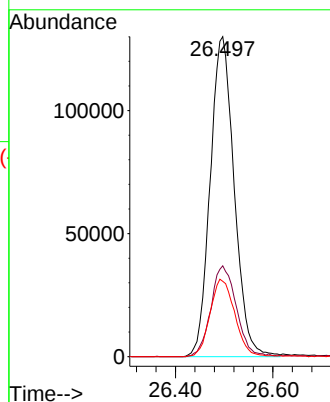
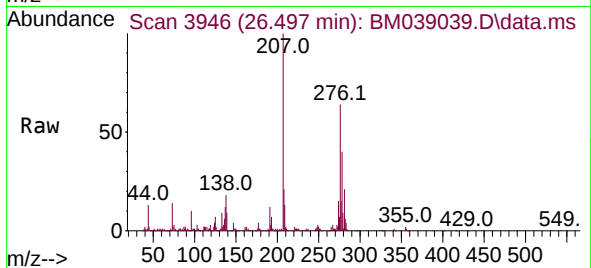
Tgt Ion:	276	Resp:	445213
Ion Ratio	Lower	Upper	
276	100		
138	30.1	22.1	33.1
277	24.9	20.1	30.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/21/2023

Supervised By :Jagrut Upadhyay 03/21/2023



#88

Benzo(b)fluoranthene

Concen: 3.597 ng

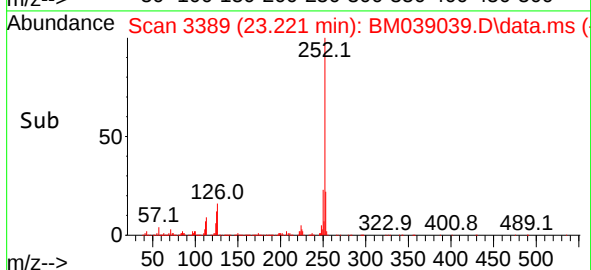
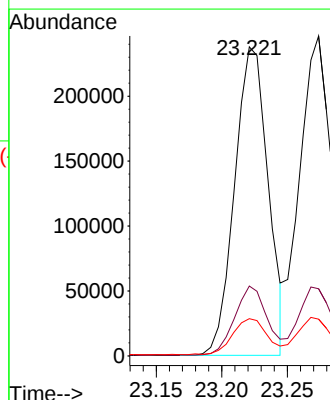
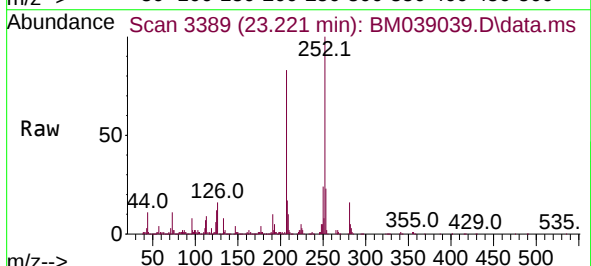
RT: 23.221 min Scan# 3389

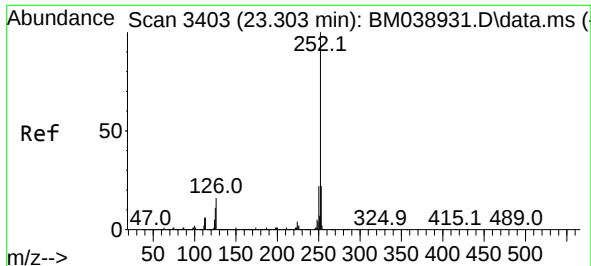
Delta R.T. -0.018 min

Lab File: BM039039.D

Acq: 20 Mar 2023 11:38

Tgt Ion:	252	Resp:	421621
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.6	26.4
125	12.0	8.8	13.2





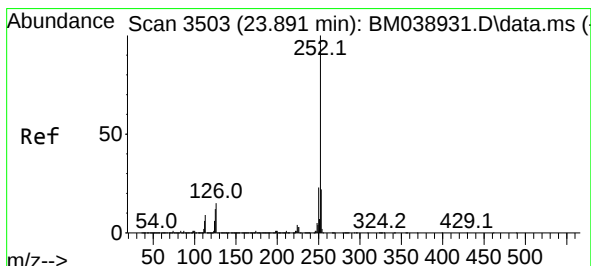
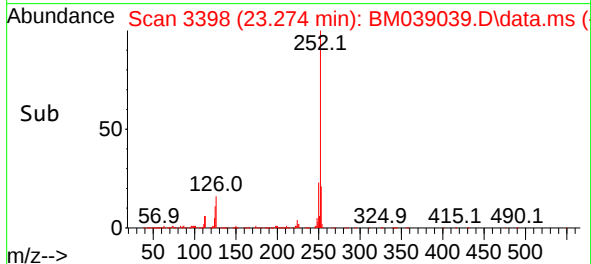
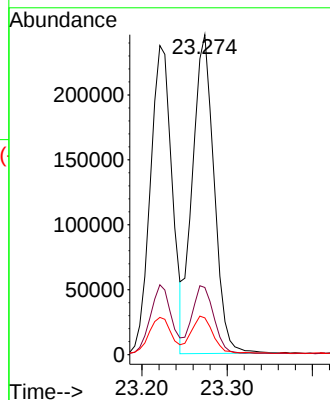
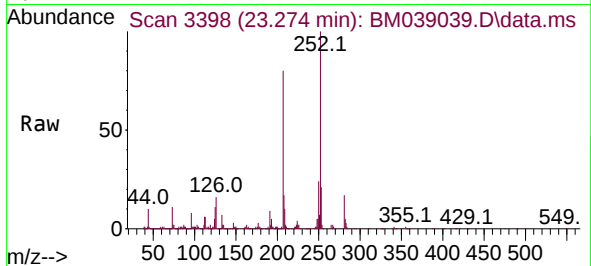
#89
Benzo(k)fluoranthene
Concen: 3.550 ng
RT: 23.274 min Scan# 3403
Delta R.T. -0.012 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:252 Resp: 433089
Ion Ratio Lower Upper
252 100
253 21.0 17.5 26.3
125 11.5 8.9 13.3

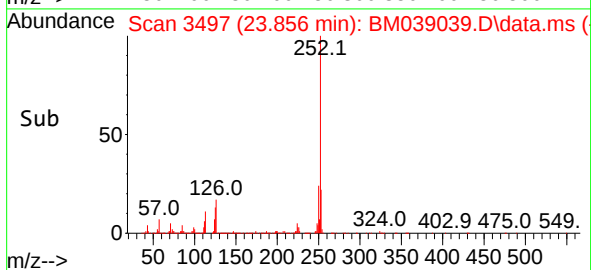
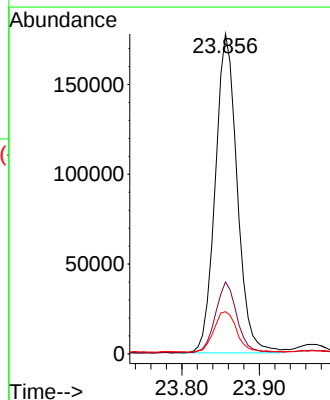
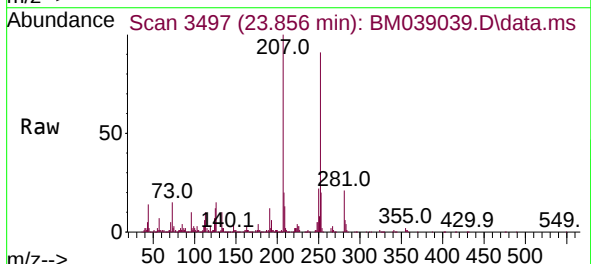
Manual Integrations
APPROVED

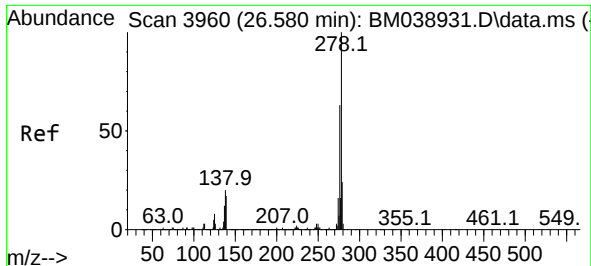
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#90
Benzo(a)pyrene
Concen: 3.091 ng
RT: 23.856 min Scan# 3497
Delta R.T. -0.018 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

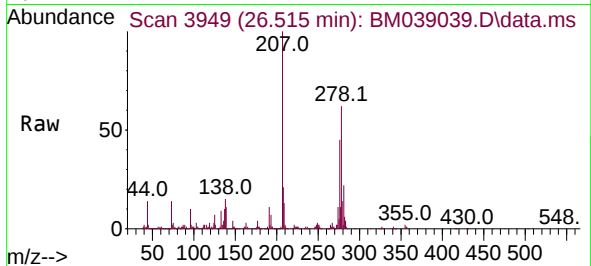
Tgt Ion:252 Resp: 348715
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 13.2 9.8 14.8





#91
Dibenzo(a,h)anthracene
Concen: 3.187 ng
RT: 26.515 min Scan# 3960
Delta R.T. -0.023 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

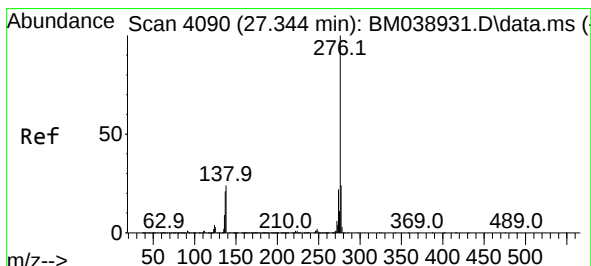
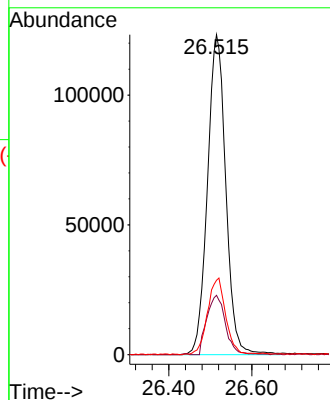
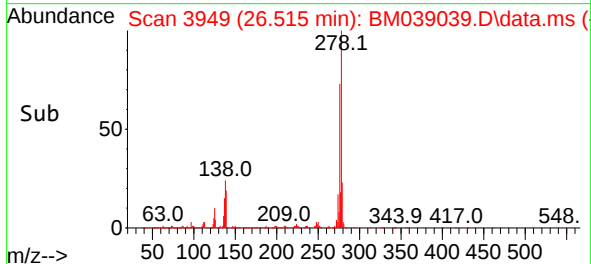
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:278 Resp: 376839
Ion Ratio Lower Upper
278 100
139 18.5 13.7 20.5
279 23.2 18.9 28.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#92
Benzo(g,h,i)perylene
Concen: 3.116 ng
RT: 27.274 min Scan# 4078
Delta R.T. -0.029 min
Lab File: BM039039.D
Acq: 20 Mar 2023 11:38

Tgt Ion:276 Resp: 360447
Ion Ratio Lower Upper
276 100
277 23.4 19.3 28.9
138 26.5 19.0 28.6

