

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032023\
 Data File : BM039040.D
 Acq On : 20 Mar 2023 12:15
 Operator : CG/JU
 Sample : 01627-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 21 04:05:35 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	378483	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	1596134	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	981897	20.000	ng	0.00
64) Phenanthrene-d10	17.357	188	2092623	20.000	ng	0.00
76) Chrysene-d12	21.533	240	1982159	20.000	ng	0.00
86) Perylene-d12	23.968	264	2022109	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	2596234	104.217	ng	0.00
7) Phenol-d6	7.134	99	3450751	106.643	ng	0.00
23) Nitrobenzene-d5	9.139	82	2579976	79.399	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	1245844	109.679	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	5484796	72.717	ng	0.00
79) Terphenyl-d14	19.980	244	8272389	76.304	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.393	88	76111	6.868	ng	98
3) Pyridine	3.804	79	178301	5.801	ng	95
4) n-Nitrosodimethylamine	3.710	42	88040	7.039	ng	# 92
6) Aniline	7.298	93	291061	6.851	ng	98
8) 2-Chlorophenol	7.534	128	185061	6.978	ng	99
9) Benzaldehyde	7.104	77	178022m	11.561	ng	
10) Phenol	7.157	94	238856	6.951	ng	97
11) bis(2-Chloroethyl)ether	7.392	93	197780	7.079	ng	100
12) 1,3-Dichlorobenzene	7.863	146	200124	7.100	ng	98
13) 1,4-Dichlorobenzene	8.010	146	200604	6.998	ng	96
14) 1,2-Dichlorobenzene	8.328	146	198510	7.189	ng	99
15) Benzyl Alcohol	8.210	79	162650	7.013	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.504	45	274907	7.791	ng	99
17) 2-Methylphenol	8.416	107	153572	6.506	ng	99
18) Hexachloroethane	9.057	117	76231	7.208	ng	99
19) n-Nitroso-di-n-propyla...	8.781	70	160171	7.859	ng	96
20) 3+4-Methylphenols	8.739	107	198809	6.308	ng	98
22) Acetophenone	8.798	105	311589	6.958	ng	# 97
24) Nitrobenzene	9.181	77	242125	7.089	ng	99
25) Isophorone	9.710	82	425425	7.115	ng	99
26) 2-Nitrophenol	9.898	139	85904	8.332	ng	99
27) 2,4-Dimethylphenol	9.951	122	170641	6.549	ng	99
28) bis(2-Chloroethoxy)met...	10.192	93	269338	7.010	ng	100
29) 2,4-Dichlorophenol	10.428	162	153510	6.215	ng	99
30) 1,2,4-Trichlorobenzene	10.645	180	173232	6.418	ng	99
31) Naphthalene	10.833	128	596602	6.555	ng	99
32) Benzoic acid	10.022	122	70752	8.992	ng	96
33) 4-Chloroaniline	10.945	127	248979	6.419	ng	98
34) Hexachlorobutadiene	11.122	225	97280	6.284	ng	96
35) Caprolactam	11.716	113	53205	7.077	ng	99
36) 4-Chloro-3-methylphenol	12.063	107	177825	6.761	ng	99
37) 2-Methylnaphthalene	12.439	142	401188	6.577	ng	100
38) 1-Methylnaphthalene	12.663	142	375829	6.574	ng	100
40) 1,2,4,5-Tetrachloroben...	12.810	216	190311	5.962	ng	99
41) Hexachlorocyclopentadiene	12.786	237	107556	6.138	ng	100
43) 2,4,6-Trichlorophenol	13.045	196	117793	5.699	ng	98

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Instrument :
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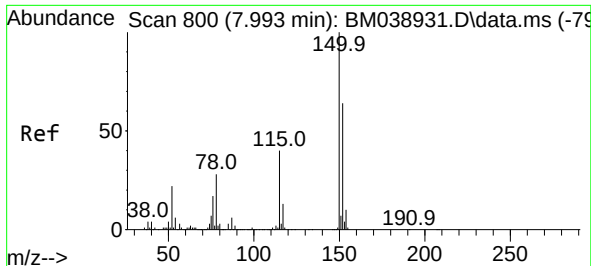
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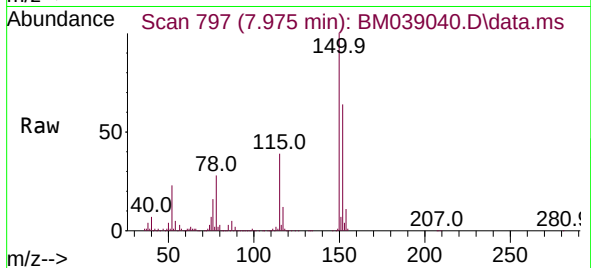
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	129727	5.362	ng	99
46) 1,1'-Biphenyl	13.451	154	566428	6.809	ng	99
47) 2-Chloronaphthalene	13.492	162	407205	6.492	ng	99
48) 2-Nitroaniline	13.692	65	115669	7.709	ng	95
49) Acenaphthylene	14.333	152	632100	6.326	ng	100
50) Dimethylphthalate	14.069	163	514754	6.813	ng	100
51) 2,6-Dinitrotoluene	14.186	165	99451	7.286	ng	93
52) Acenaphthene	14.674	154	394879	6.431	ng	99
53) 3-Nitroaniline	14.516	138	110671	7.067	ng	96
54) 2,4-Dinitrophenol	14.716	184	41455	9.227	ng	92
55) Dibenzofuran	15.010	168	634624	6.605	ng	99
56) 4-Nitrophenol	14.810	139	91064	6.069	ng	91
57) 2,4-Dinitrotoluene	14.968	165	125998	7.554	ng	90
58) Fluorene	15.657	166	504343	6.701	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.233	232	120735	6.470	ng	97
60) Diethylphthalate	15.427	149	511105	6.952	ng	99
61) 4-Chlorophenyl-phenylether	15.651	204	240429	6.502	ng	95
62) 4-Nitroaniline	15.674	138	112438	7.198	ng	97
63) Azobenzene	15.945	77	534277	6.868	ng	99
65) 4,6-Dinitro-2-methylph...	15.733	198	60010	8.989	ng	99
66) n-Nitrosodiphenylamine	15.863	169	425184	6.027	ng	99
67) 4-Bromophenyl-phenylether	16.545	248	135200	5.982	ng	93
68) Hexachlorobenzene	16.657	284	158677	6.280	ng	96
69) Atrazine	16.815	200	139306	7.229	ng	99
70) Pentachlorophenol	17.004	266	88733	4.775	ng	97
71) Phenanthrene	17.398	178	797922	6.497	ng	99
72) Anthracene	17.486	178	765194	6.248	ng	99
73) Carbazole	17.757	167	733971	6.566	ng	99
74) Di-n-butylphthalate	18.327	149	823770	7.614	ng	99
75) Fluoranthene	19.409	202	854643	6.591	ng	98
77) Benzidine	19.598	184	435464	13.535	ng	99
78) Pyrene	19.774	202	914254	6.141	ng	99
80) Butylbenzylphthalate	20.668	149	353724	8.518	ng	94
81) Benzo(a)anthracene	21.521	228	919245	6.440	ng	100
82) 3,3'-Dichlorobenzidine	21.450	252	325973	7.430	ng	99
83) Chrysene	21.574	228	887515	6.393	ng	99
84) Bis(2-ethylhexyl)phtha...	21.445	149	544532	8.126	ng	99
85) Di-n-octyl phthalate	22.386	149	878512	9.123	ng	98
87) Indeno(1,2,3-cd)pyrene	26.497	276	908267	5.903	ng	97
88) Benzo(b)fluoranthene	23.221	252	889388	6.885	ng	98
89) Benzo(k)fluoranthene	23.274	252	853066	6.345	ng	99
90) Benzo(a)pyrene	23.862	252	722977	5.815	ng	98
91) Dibenzo(a,h)anthracene	26.515	278	771432	5.920	ng	97
92) Benzo(g,h,i)perylene	27.274	276	722499	5.667	ng	98

(#) = 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: BM039040.D
Acq: 20 Mar 2023 12:15

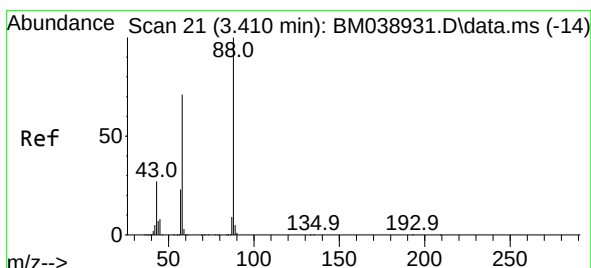
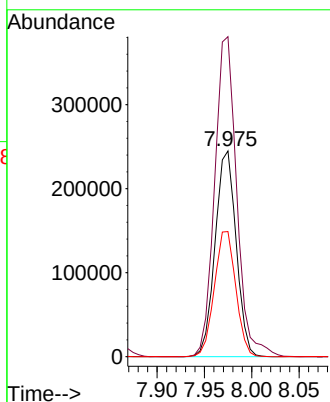
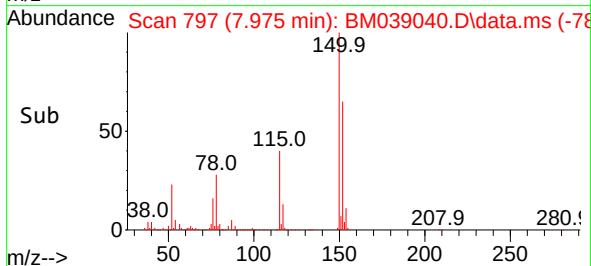
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:152 Resp: 378483
Ion Ratio Lower Upper
152 100
150 155.6 125.1 187.7
115 60.8 49.6 74.4

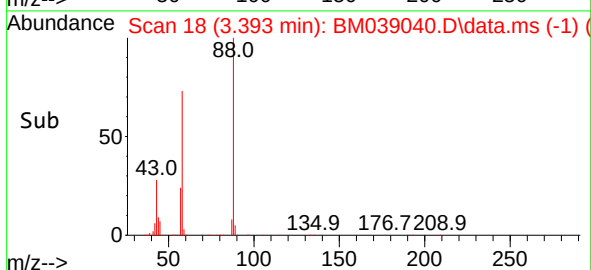
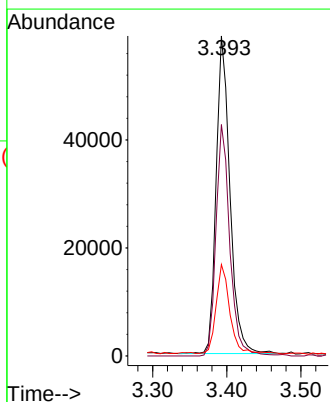
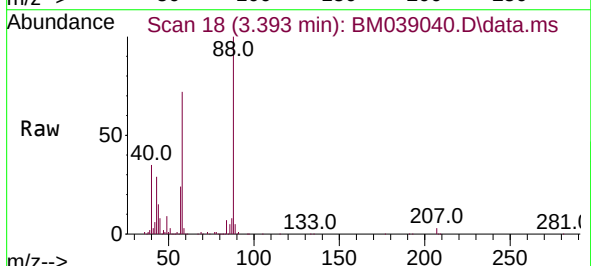
Manual Integrations
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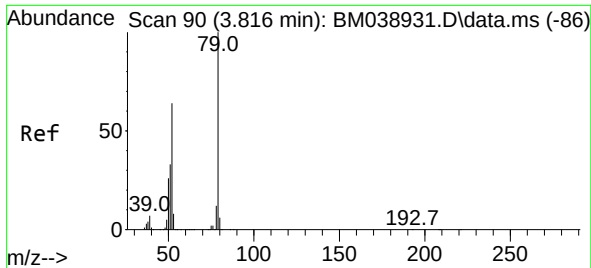
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#2
1,4-Dioxane
Concen: 6.868 ng
RT: 3.393 min Scan# 18
Delta R.T. 0.000 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

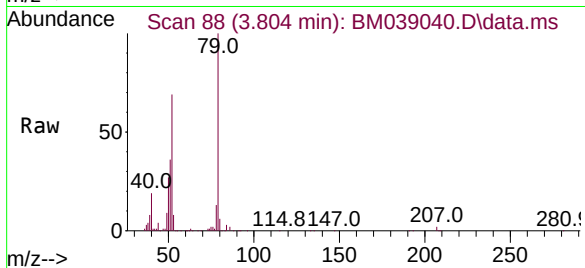
Tgt Ion: 88 Resp: 76111
Ion Ratio Lower Upper
88 100
58 72.8 57.2 85.8
43 28.4 22.0 33.0





#3
Pyridine
Concen: 5.801 ng
RT: 3.804 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

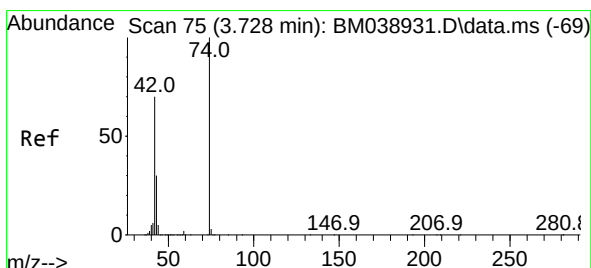
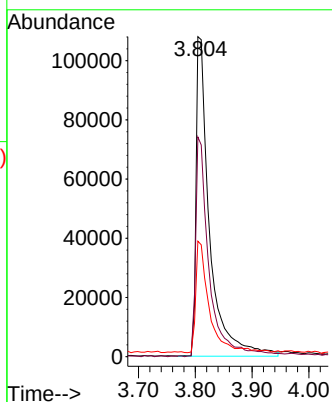
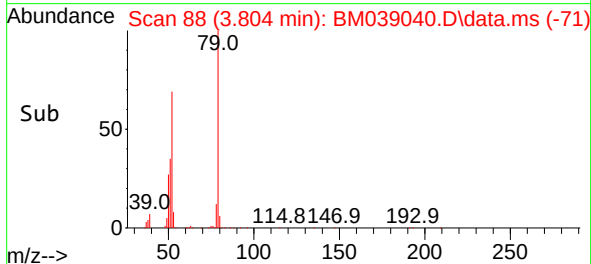
Instrument :
BNA_M
Client Sample Id :
MDL-SOIL-03-QT1-2022



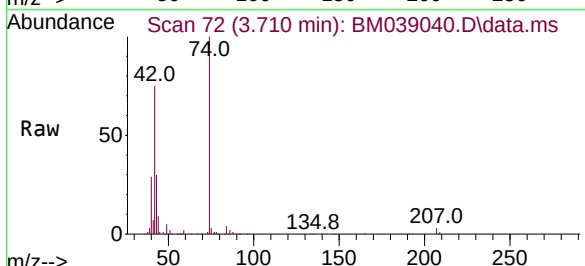
Tgt Ion: 79 Resp: 178301
Ion Ratio Lower Upper
79 100
52 68.6 51.4 77.2
51 36.1 26.6 40.0

Manual Integrations
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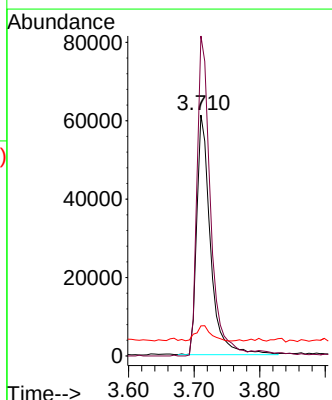
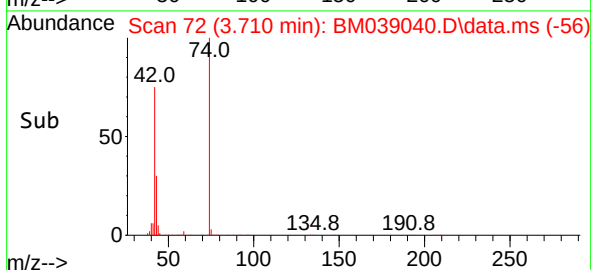
Reviewed By :Christian Giraldo 03/21/2023
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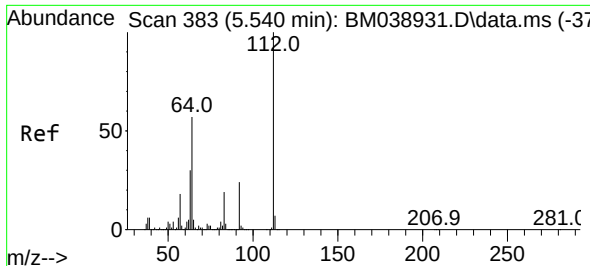


#4
n-Nitrosodimethylamine
Concen: 7.039 ng
RT: 3.710 min Scan# 72
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15



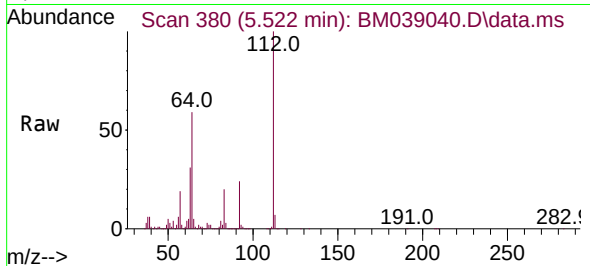
Tgt Ion: 42 Resp: 88040
Ion Ratio Lower Upper
42 100
74 132.8 113.8 170.8
44 12.5 6.2 9.2





#5
2-Fluorophenol
Concen: 104.217 ng
RT: 5.522 min Scan# 383
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

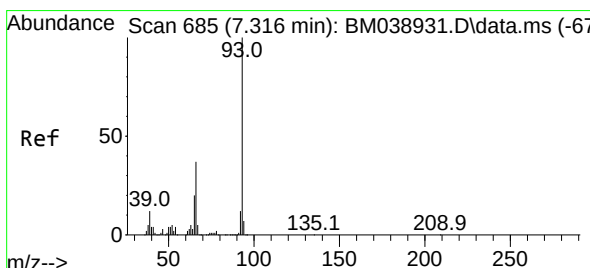
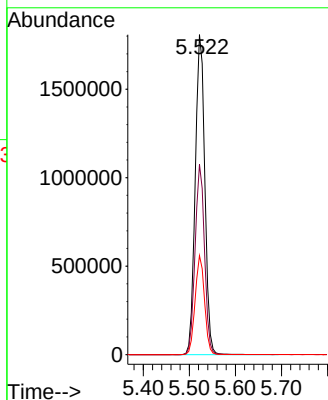
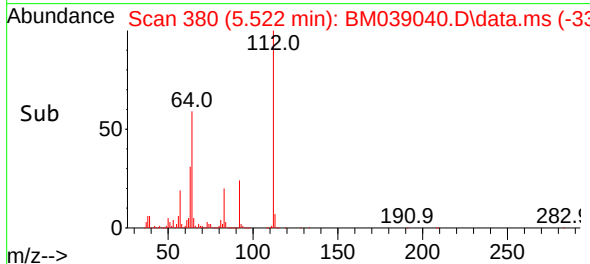
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:112 Resp: 2596234
Ion Ratio Lower Upper
112 100
64 59.4 45.9 68.9
63 30.9 23.8 35.8

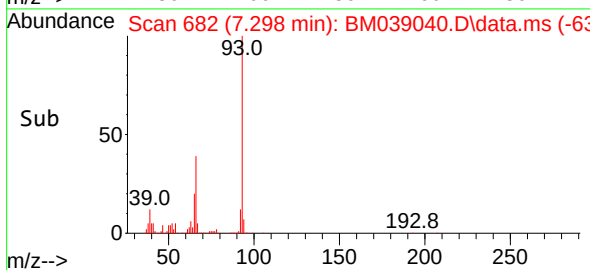
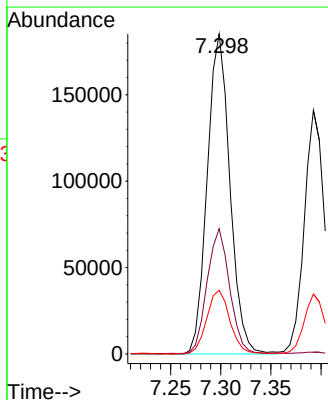
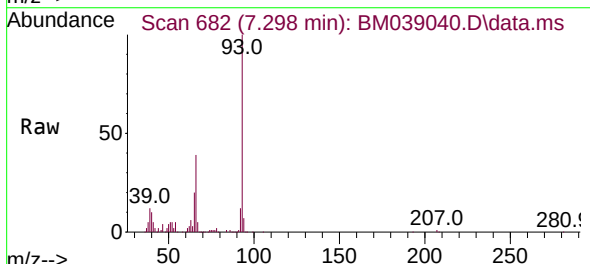
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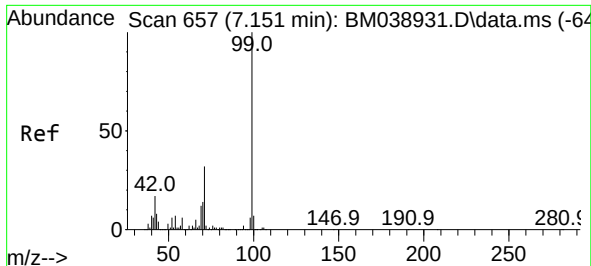
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#6
Aniline
Concen: 6.851 ng
RT: 7.298 min Scan# 682
Delta R.T. 0.000 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

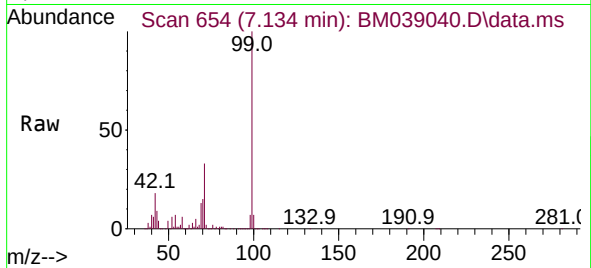
Tgt Ion: 93 Resp: 291061
Ion Ratio Lower Upper
93 100
66 39.1 30.0 45.0
65 19.9 15.8 23.6





#7
Phenol-d6
Concen: 106.643 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

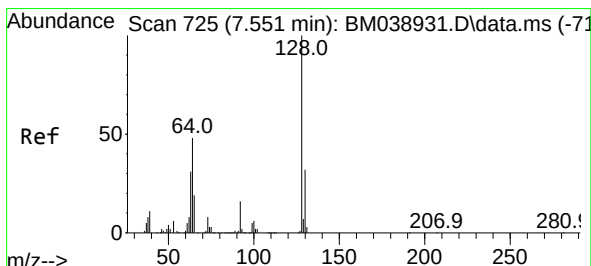
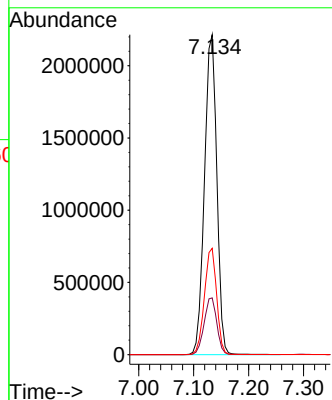
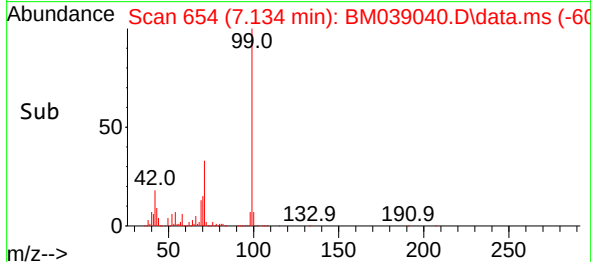
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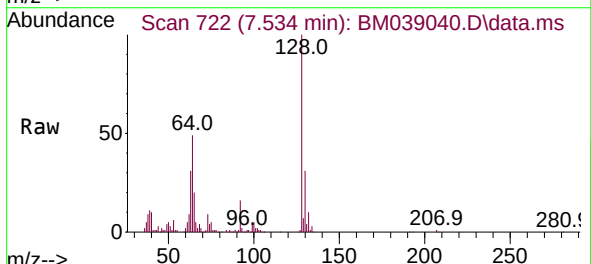
Tgt Ion: 99 Resp: 345075
Ion Ratio Lower Upper
99 100
42 17.8 13.5 20.3
71 33.2 25.6 38.4

Manual Integrations
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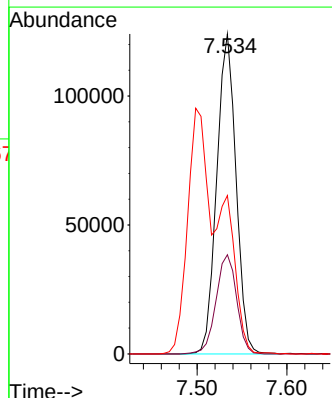
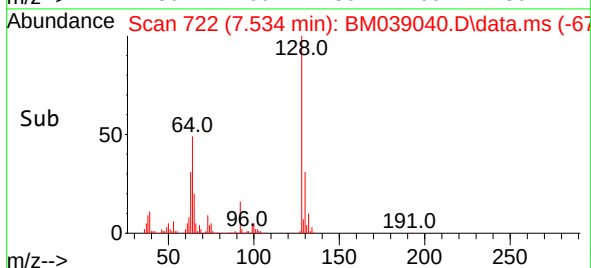
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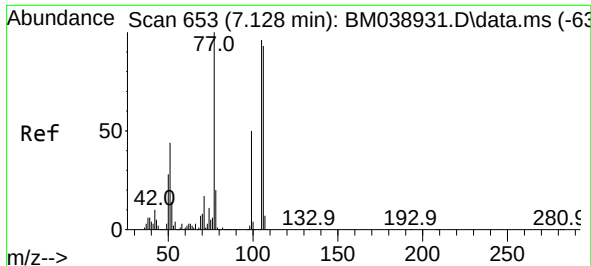


#8
2-Chlorophenol
Concen: 6.978 ng
RT: 7.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15



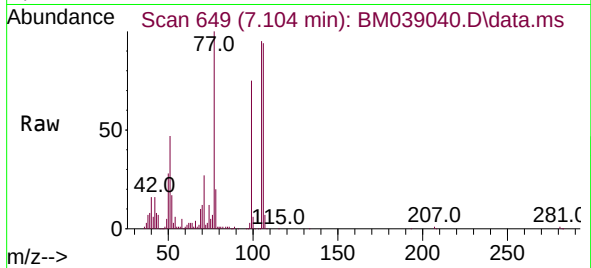
Tgt Ion:128 Resp: 185061
Ion Ratio Lower Upper
128 100
130 31.0 11.9 51.9
64 49.5 28.6 68.6





#9
Benzaldehyde
Concen: 11.561 ng m
RT: 7.104 min Scan# 64
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

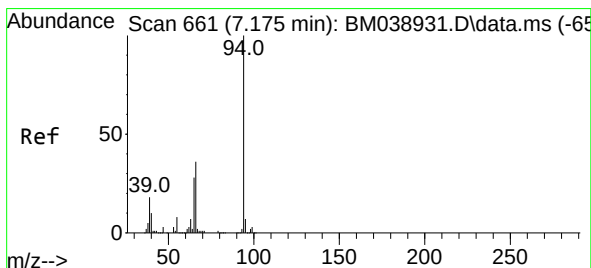
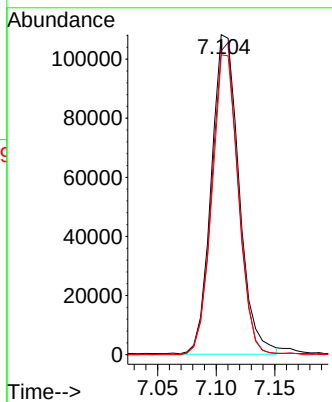
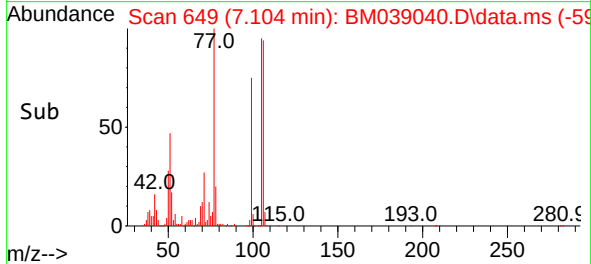
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 77 Resp: 178022
Ion Ratio Lower Upper
77 100
105 94.9 75.8 115.8
106 93.7 72.6 112.6

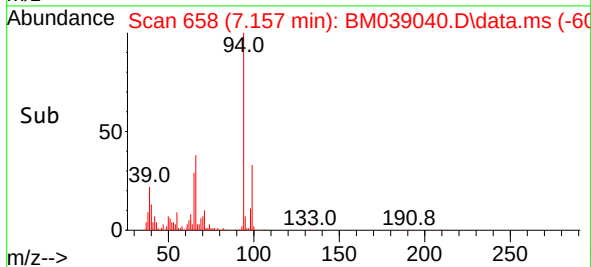
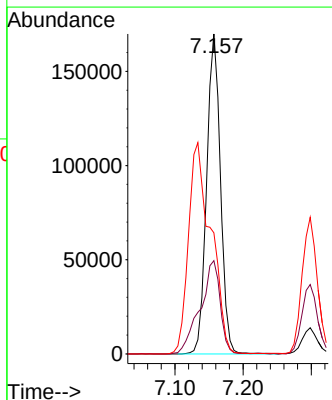
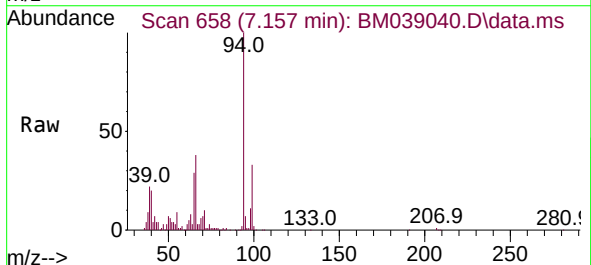
Manual Integrations
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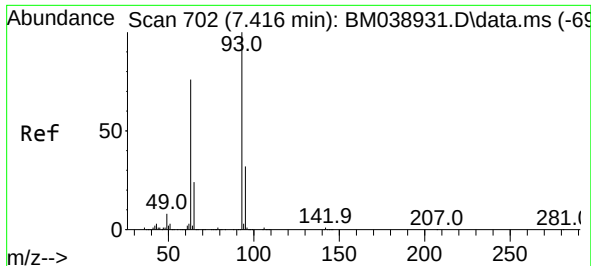
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#10
Phenol
Concen: 6.951 ng
RT: 7.157 min Scan# 658
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

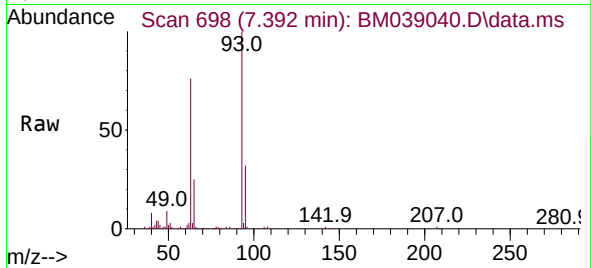
Tgt Ion: 94 Resp: 238856
Ion Ratio Lower Upper
94 100
65 29.1 7.9 47.9
66 37.8 15.8 55.8





#11
bis(2-Chloroethyl)ether
Concen: 7.079 ng
RT: 7.392 min Scan# 691
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

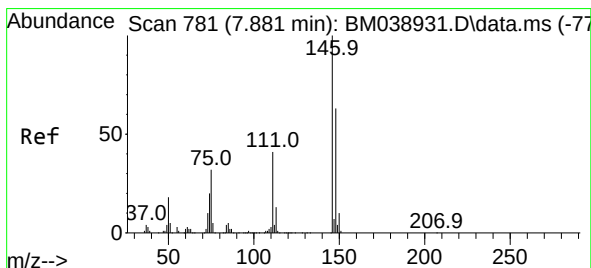
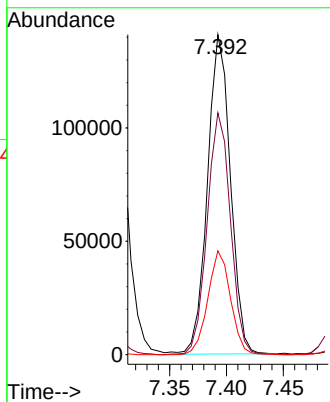
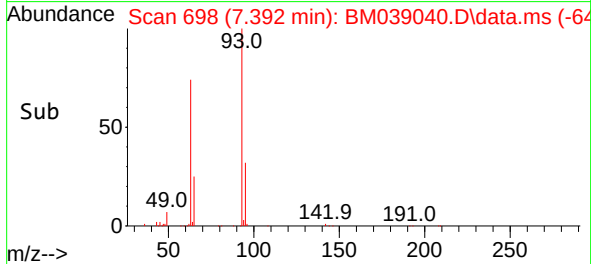
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 93 Resp: 197780
Ion Ratio Lower Upper
93 100
63 75.6 55.8 95.8
95 32.5 12.2 52.2

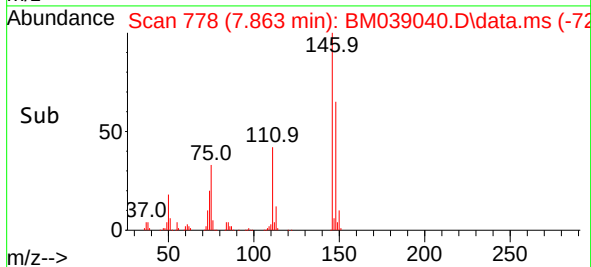
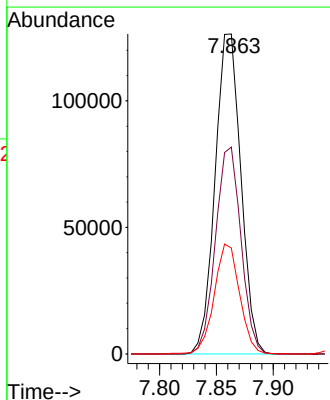
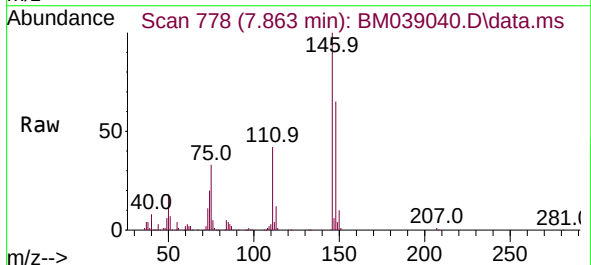
Manual Integrations
APPROVED

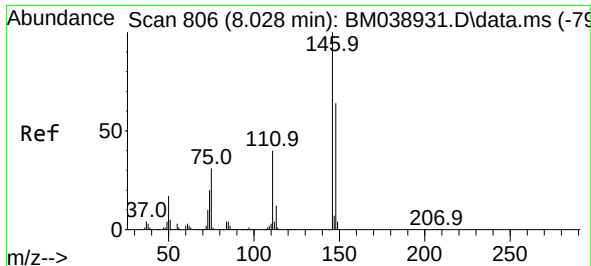
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#12
1,3-Dichlorobenzene
Concen: 7.100 ng
RT: 7.863 min Scan# 778
Delta R.T. 0.000 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

Tgt Ion:146 Resp: 200124
Ion Ratio Lower Upper
146 100
148 64.6 50.6 75.8
75 33.1 26.0 39.0





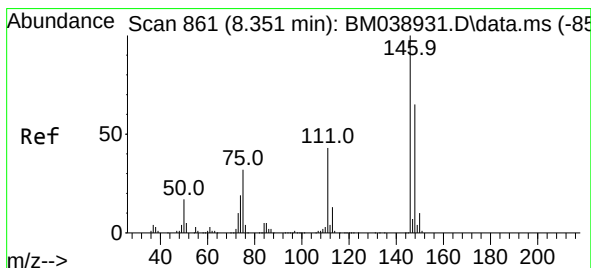
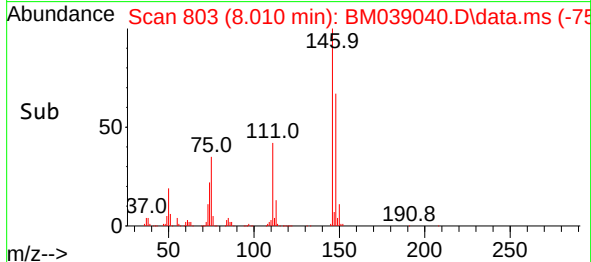
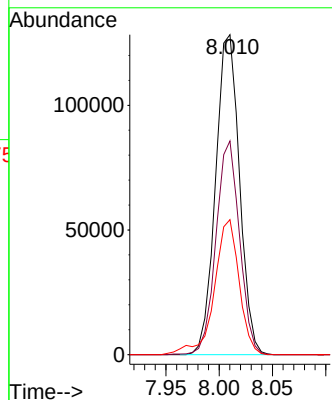
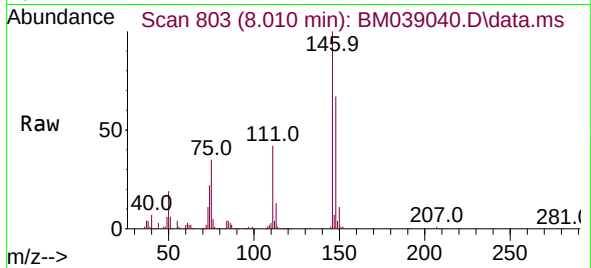
#13
1,4-Dichlorobenzene
Concen: 6.998 ng
RT: 8.010 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

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

Tgt Ion:146 Resp: 200604
Ion Ratio Lower Upper
146 100
148 66.8 51.0 76.4
111 42.2 32.2 48.4

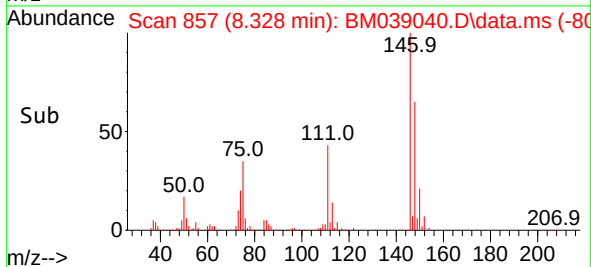
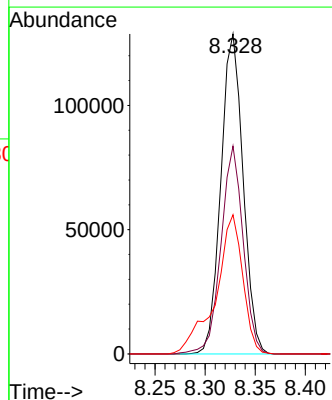
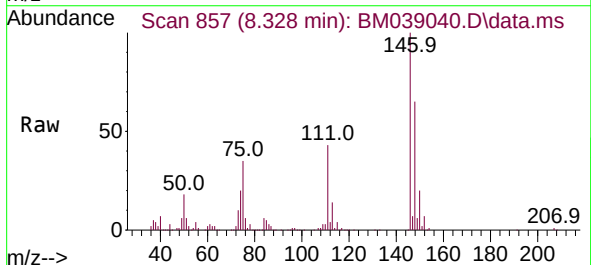
Manual Integrations
APPROVED

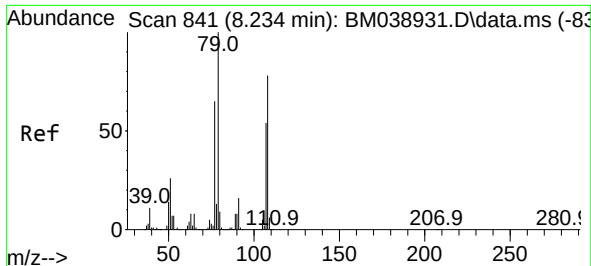
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#14
1,2-Dichlorobenzene
Concen: 7.189 ng
RT: 8.328 min Scan# 857
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

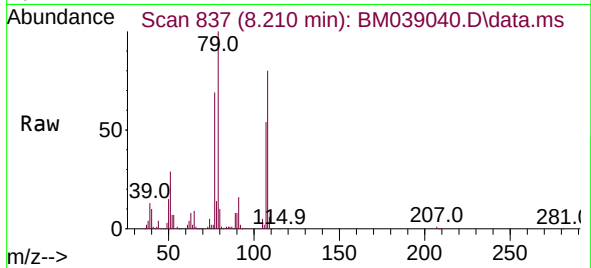
Tgt Ion:146 Resp: 198510
Ion Ratio Lower Upper
146 100
148 64.9 51.7 77.5
111 43.5 34.2 51.4





#15
Benzyl Alcohol
Concen: 7.013 ng
RT: 8.210 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

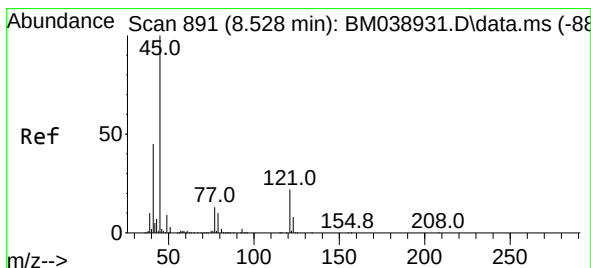
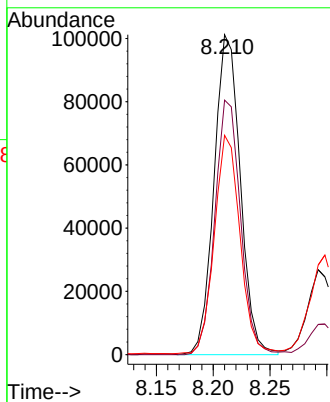
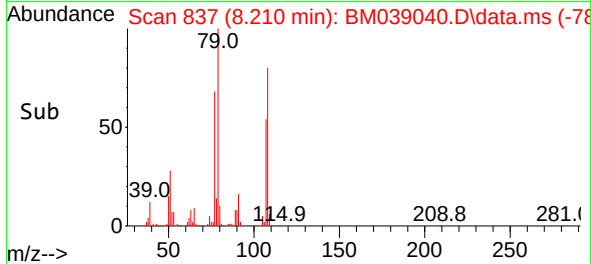
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



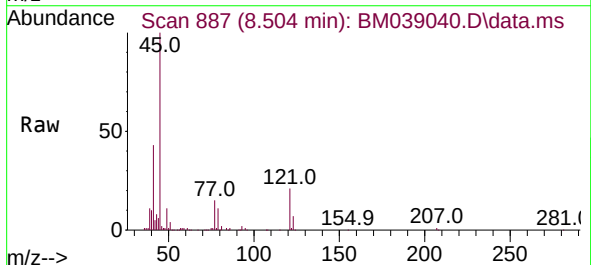
Tgt Ion: 79 Resp: 162650
Ion Ratio Lower Upper
79 100
108 79.5 62.4 93.6
77 68.5 52.2 78.4

Manual Integrations
APPROVED

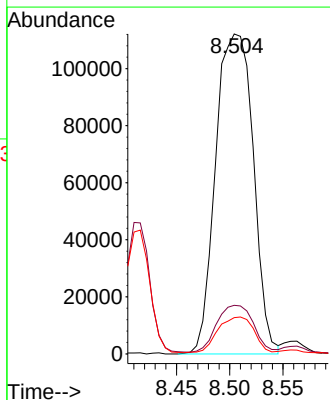
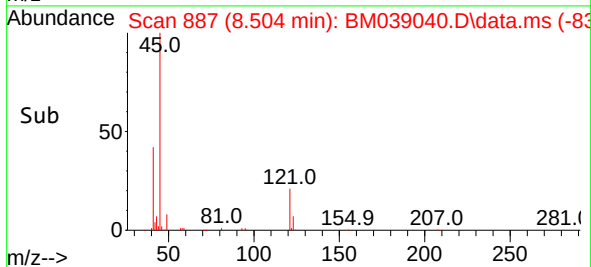
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

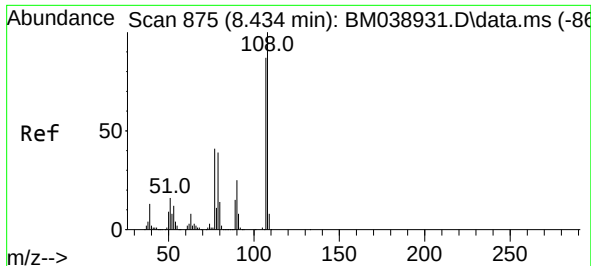


#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.791 ng
RT: 8.504 min Scan# 887
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15



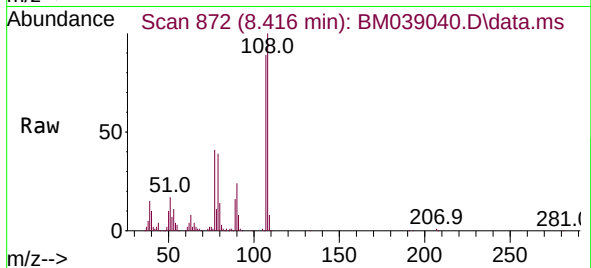
Tgt Ion: 45 Resp: 274907
Ion Ratio Lower Upper
45 100
77 15.2 0.0 34.8
79 11.3 0.0 31.5





#17
2-Methylphenol
Concen: 6.506 ng
RT: 8.416 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

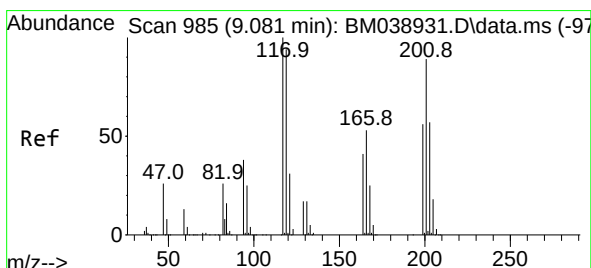
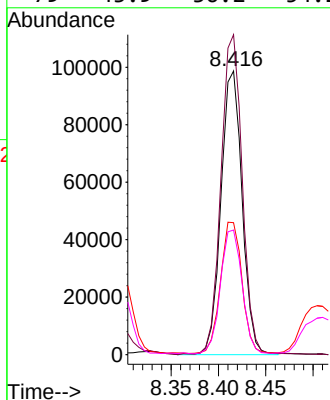
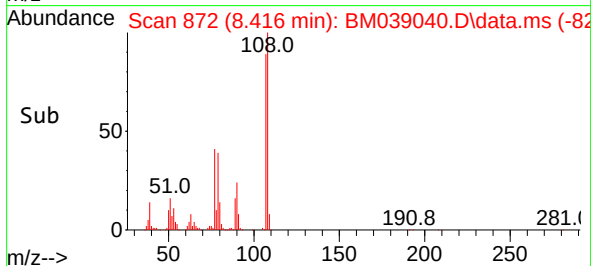
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:107 Resp: 153572
Ion Ratio Lower Upper
107 100
108 112.8 91.7 137.5
77 46.5 37.4 56.2
79 43.9 36.2 54.2

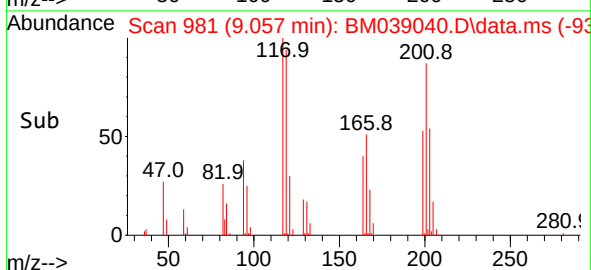
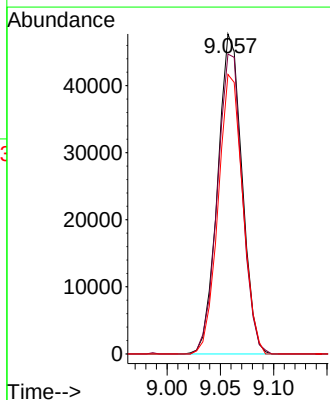
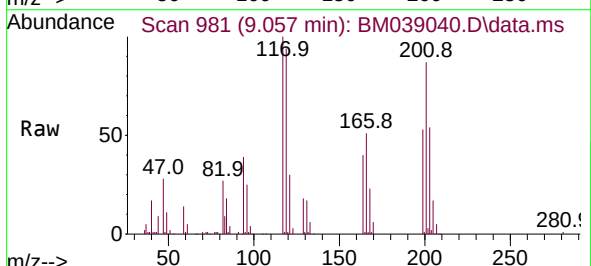
Manual Integrations
APPROVED

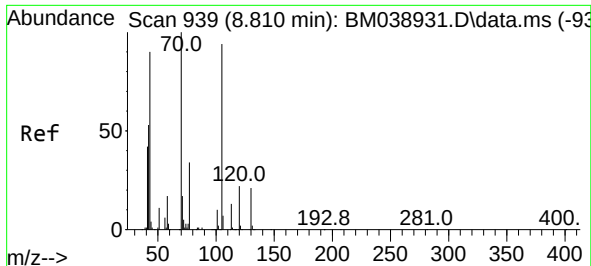
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#18
Hexachloroethane
Concen: 7.208 ng
RT: 9.057 min Scan# 981
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

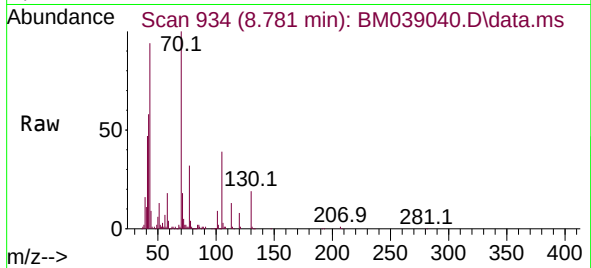
Tgt Ion:117 Resp: 76231
Ion Ratio Lower Upper
117 100
119 93.7 75.4 113.0
201 87.3 71.3 106.9





#19
n-Nitroso-di-n-propylamine
Concen: 7.859 ng
RT: 8.781 min Scan# 934
Delta R.T. -0.012 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

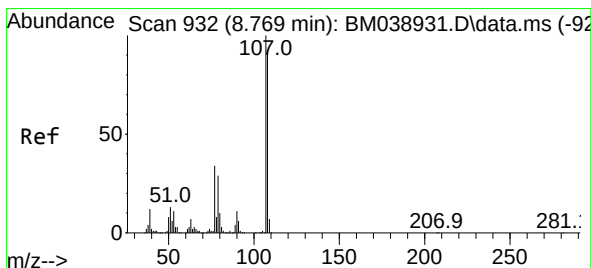
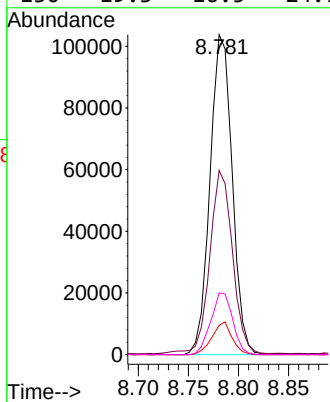
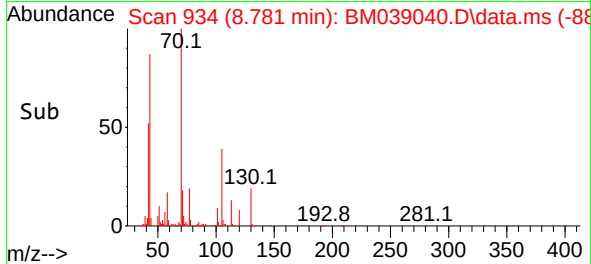
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



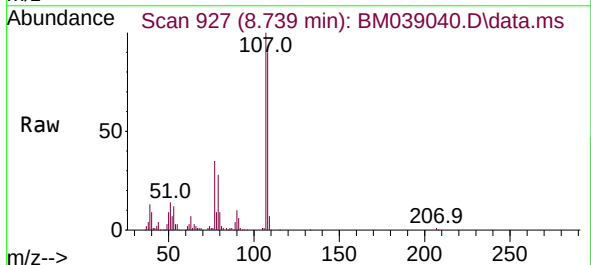
Tgt Ion: 70 Resp: 16017
Ion Ratio Lower Upper
70 100
42 57.5 43.4 65.2
101 9.1 7.6 11.4
130 19.3 16.5 24.7

Manual Integrations
APPROVED

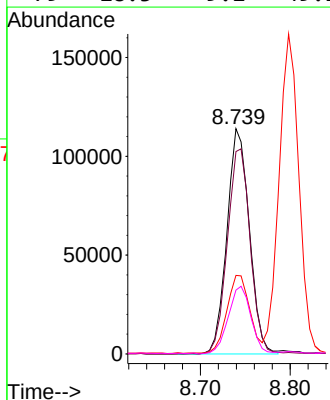
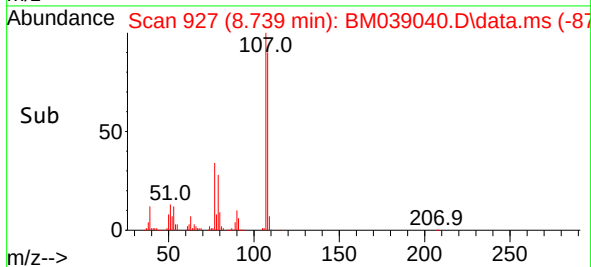
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

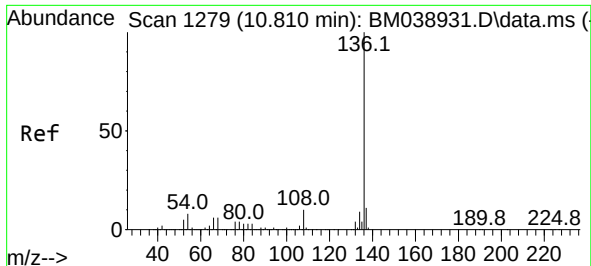


#20
3+4-Methylphenols
Concen: 6.308 ng
RT: 8.739 min Scan# 927
Delta R.T. -0.012 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15



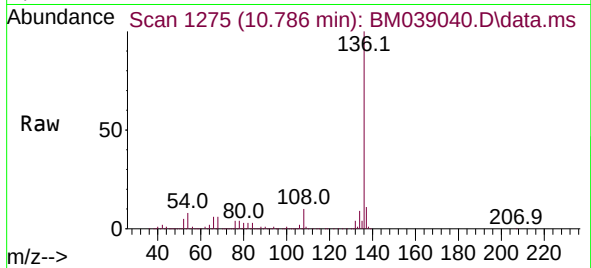
Tgt Ion:107 Resp: 198809
Ion Ratio Lower Upper
107 100
108 89.8 71.8 111.8
77 34.8 13.6 53.6
79 28.3 9.2 49.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

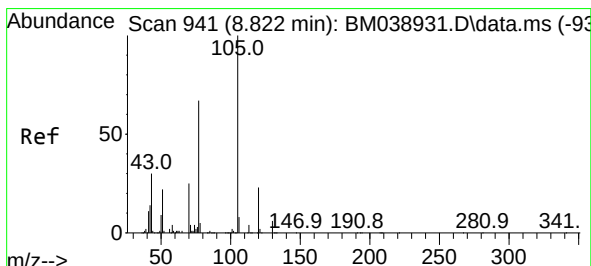
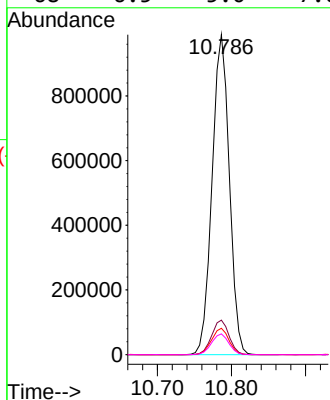
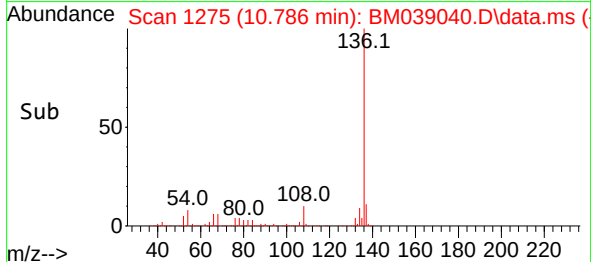
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:136 Resp: 1596134
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.2 6.3 9.5
68 6.5 5.0 7.6

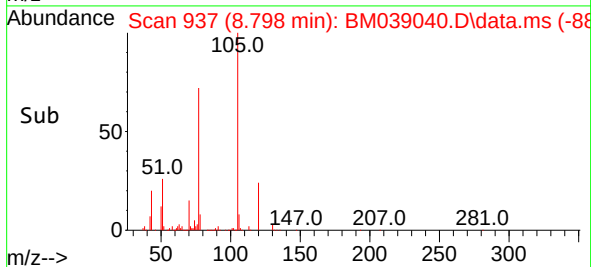
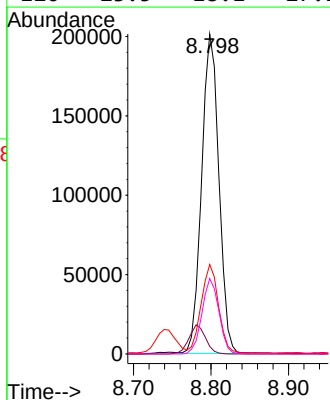
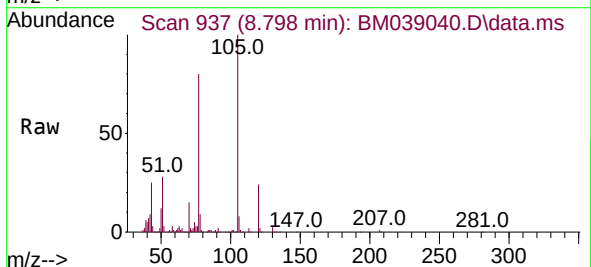
Manual Integrations
APPROVED

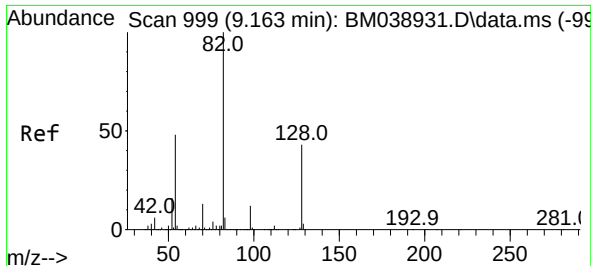
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#22
Acetophenone
Concen: 6.958 ng
RT: 8.798 min Scan# 937
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

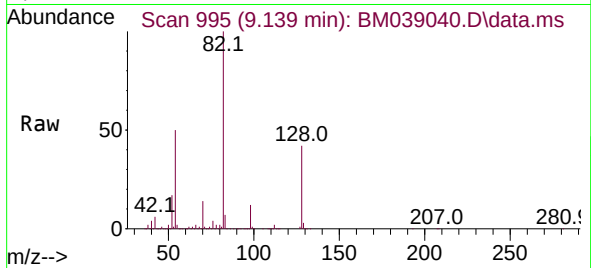
Tgt Ion:105 Resp: 311589
Ion Ratio Lower Upper
105 100
71 2.3 3.4 5.0#
51 27.9 21.0 31.4
120 23.5 18.1 27.1





#23
Nitrobenzene-d5
Concen: 79.399 ng
RT: 9.139 min Scan# 999
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

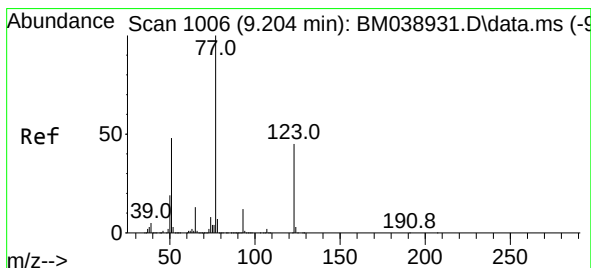
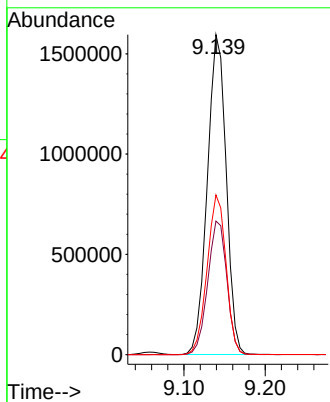
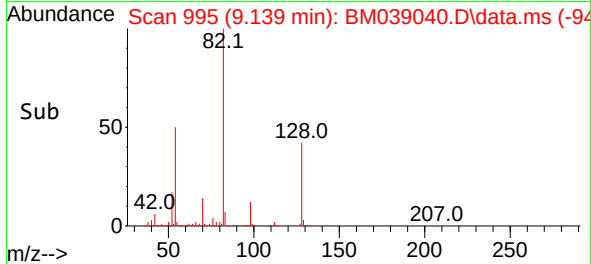
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 82 Resp: 2579976
Ion Ratio Lower Upper
82 100
128 41.7 34.4 51.6
54 49.9 38.8 58.2

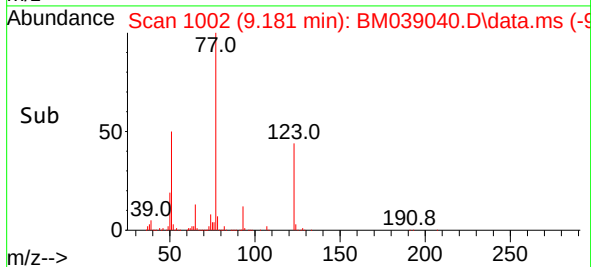
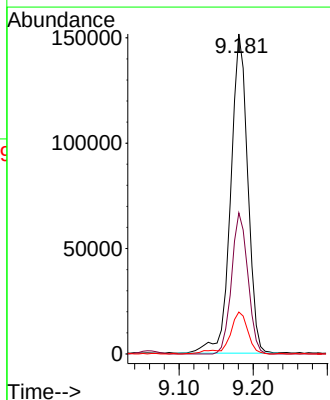
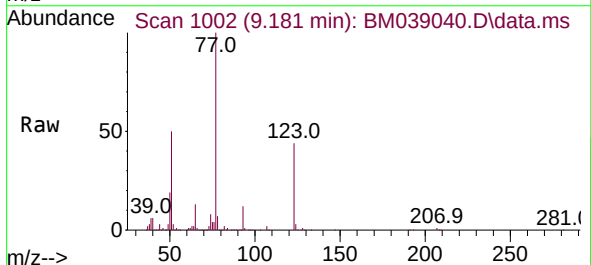
Manual Integrations
APPROVED

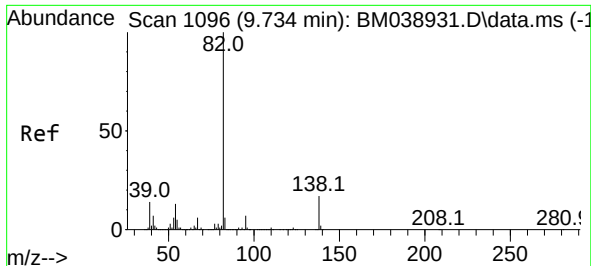
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#24
Nitrobenzene
Concen: 7.089 ng
RT: 9.181 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

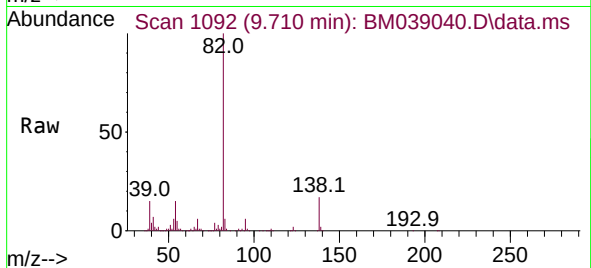
Tgt Ion: 77 Resp: 242125
Ion Ratio Lower Upper
77 100
123 44.1 35.8 53.6
65 13.1 10.2 15.4





#25
Isophorone
Concen: 7.115 ng
RT: 9.710 min Scan# 1092
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

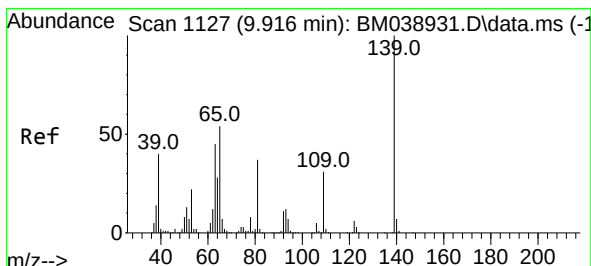
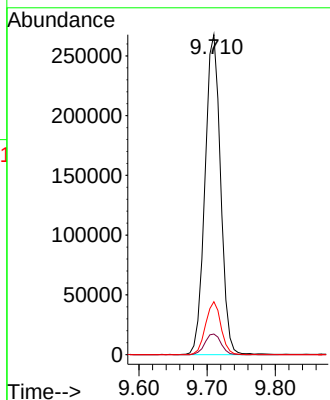
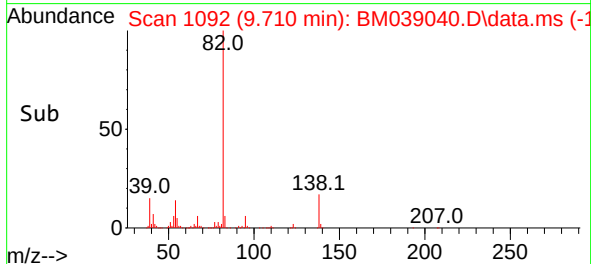
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 82 Resp: 425425
Ion Ratio Lower Upper
82 100
95 6.4 5.2 7.8
138 16.5 13.6 20.4

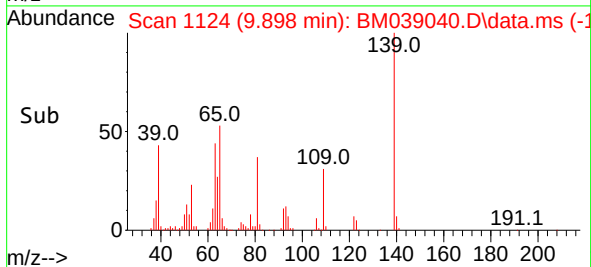
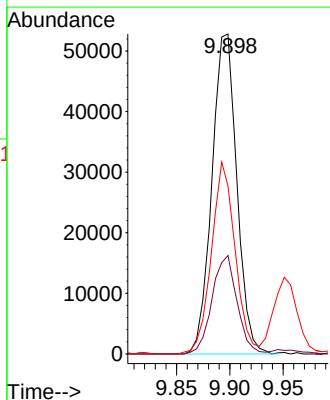
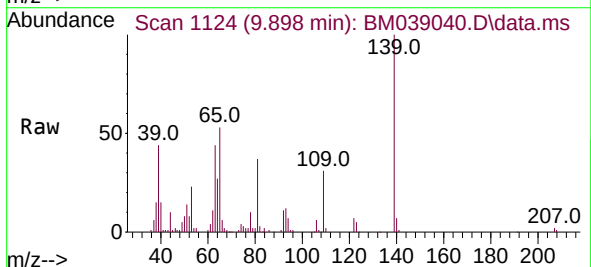
Manual Integrations
APPROVED

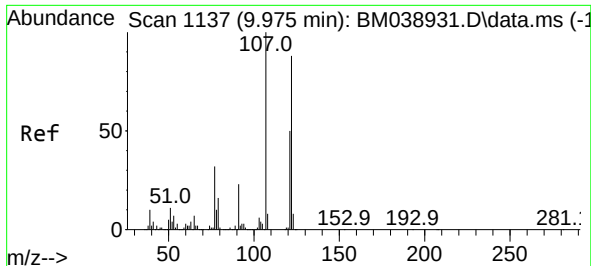
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#26
2-Nitrophenol
Concen: 8.332 ng
RT: 9.898 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

Tgt Ion:139 Resp: 85904
Ion Ratio Lower Upper
139 100
109 30.7 24.5 36.7
65 52.5 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 6.549 ng

RT: 9.951 min Scan# 1133

Delta R.T. -0.006 min

Lab File: BM039040.D

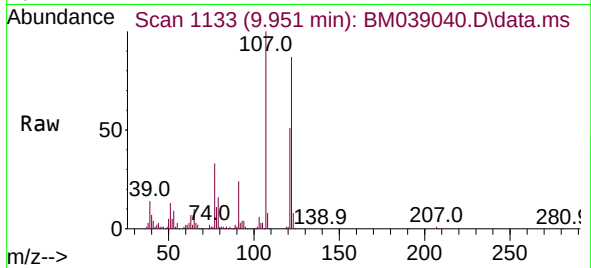
Acq: 20 Mar 2023 12:15

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2022



Tgt Ion:122 Resp: 17064

Ion Ratio Lower Upper

122 100

107 114.5 91.0 136.4

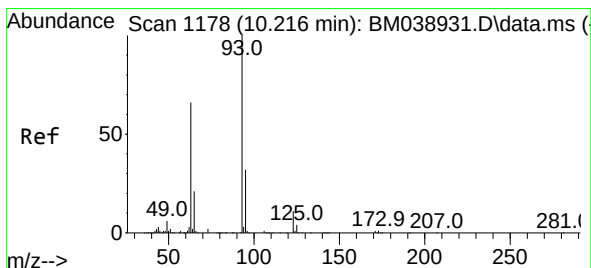
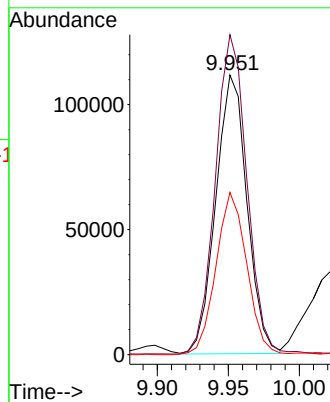
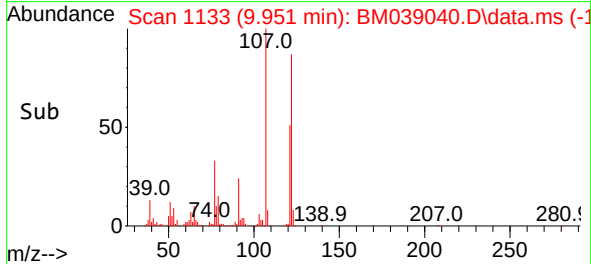
121 58.0 45.1 67.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/21/2023

Supervised By :Jagrut Upadhyay 03/21/2023



#28

bis(2-Chloroethoxy)methane

Concen: 7.010 ng

RT: 10.192 min Scan# 1174

Delta R.T. -0.006 min

Lab File: BM039040.D

Acq: 20 Mar 2023 12:15

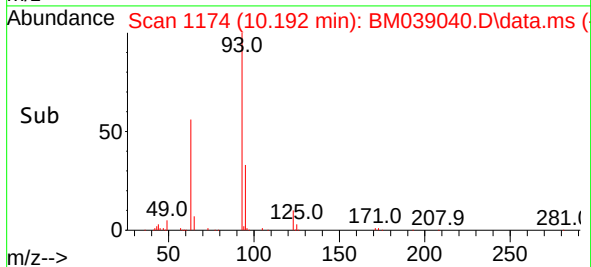
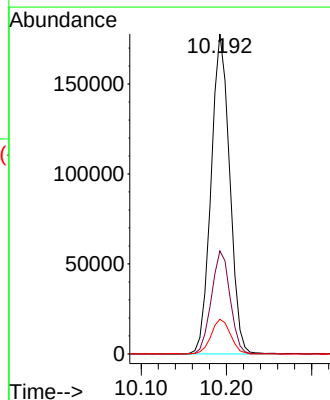
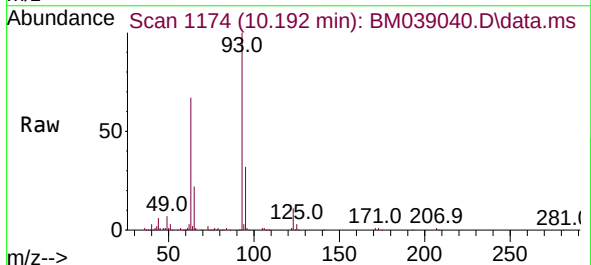
Tgt Ion: 93 Resp: 269338

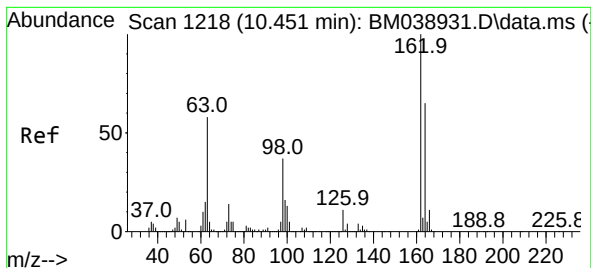
Ion Ratio Lower Upper

93 100

95 32.2 25.9 38.9

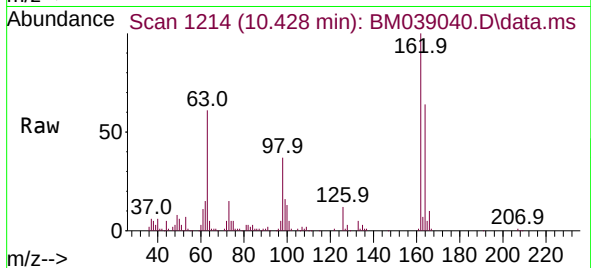
123 10.8 8.8 13.2





#29
2,4-Dichlorophenol
Concen: 6.215 ng
RT: 10.428 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

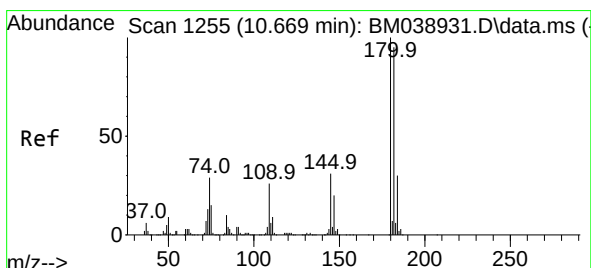
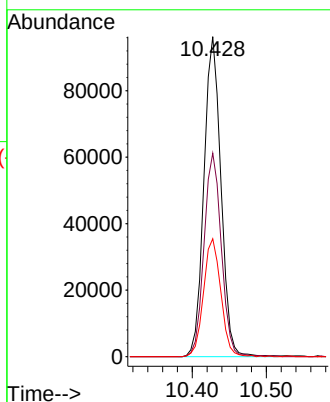
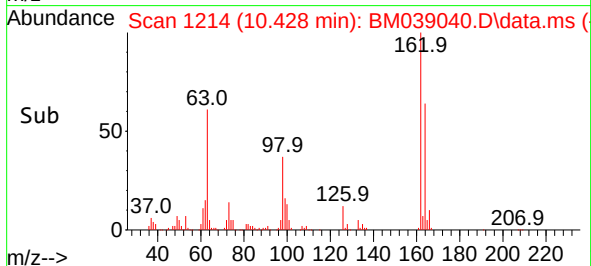
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:162 Resp: 153510
Ion Ratio Lower Upper
162 100
164 63.6 44.6 84.6
98 36.8 17.5 57.5

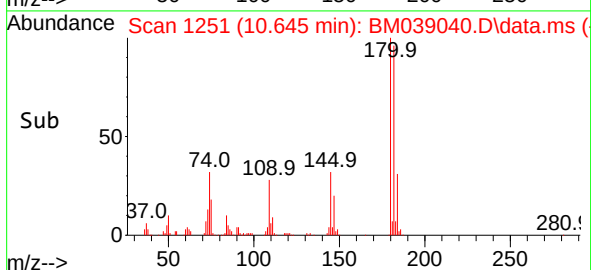
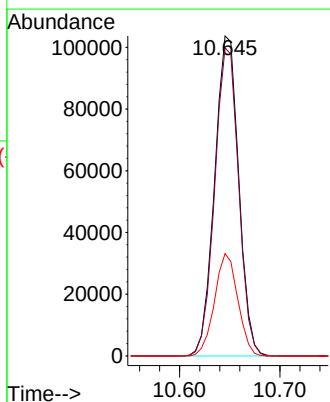
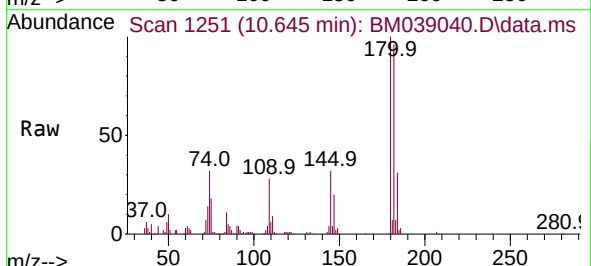
Manual Integrations
APPROVED

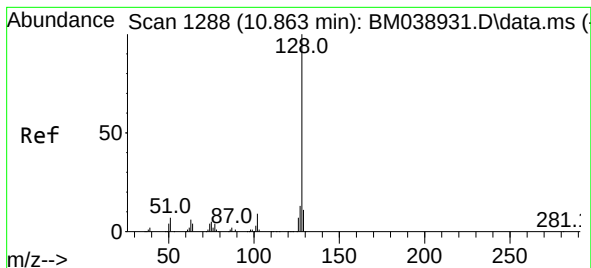
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#30
1,2,4-Trichlorobenzene
Concen: 6.418 ng
RT: 10.645 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

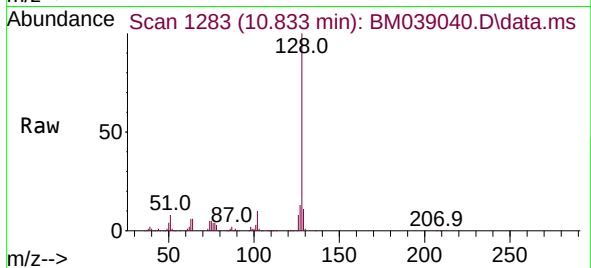
Tgt Ion:180 Resp: 173232
Ion Ratio Lower Upper
180 100
182 96.3 76.3 114.5
145 32.0 25.0 37.4





#31
Naphthalene
Concen: 6.555 ng
RT: 10.833 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

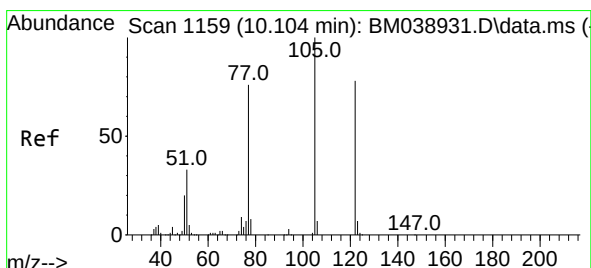
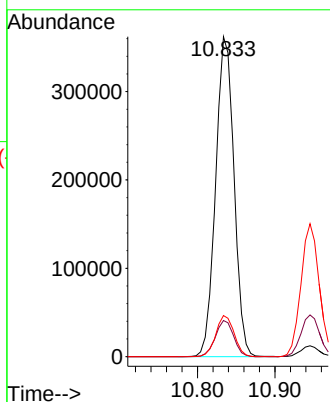
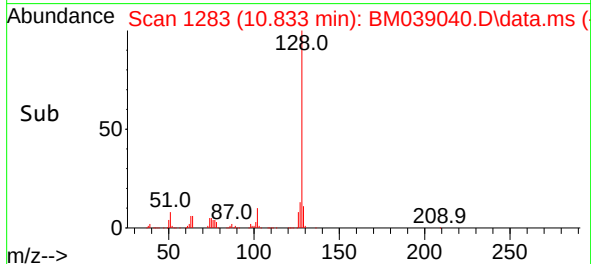
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:128 Resp: 596602
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 12.8 10.2 15.4

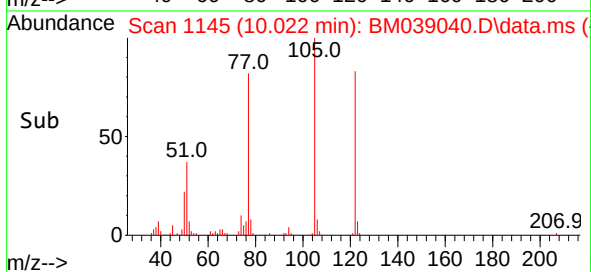
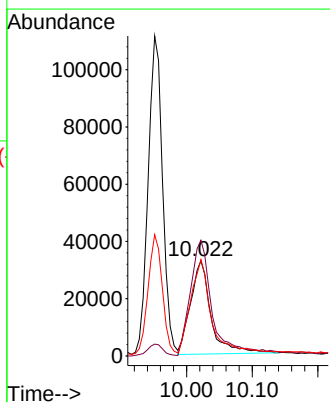
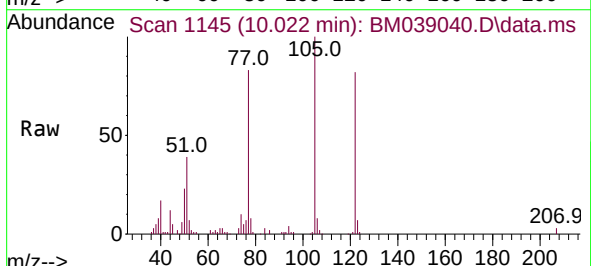
Manual Integrations
APPROVED

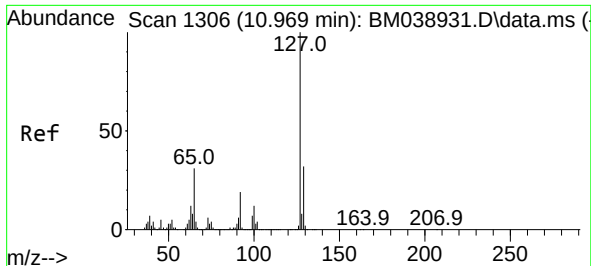
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#32
Benzoic acid
Concen: 8.992 ng
RT: 10.022 min Scan# 1145
Delta R.T. -0.076 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

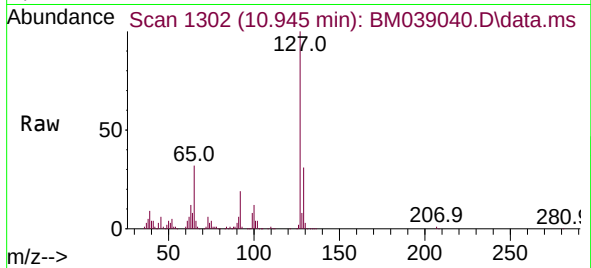
Tgt Ion:122 Resp: 70752
Ion Ratio Lower Upper
122 100
105 121.7 104.2 144.2
77 101.3 75.1 115.1





#33
4-Chloroaniline
Concen: 6.419 ng
RT: 10.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

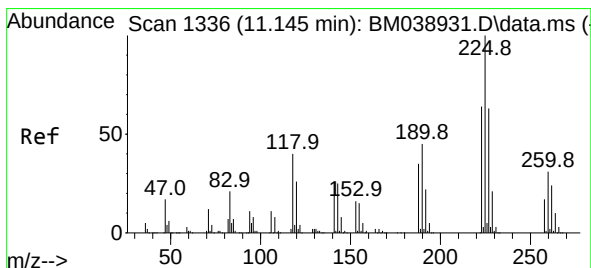
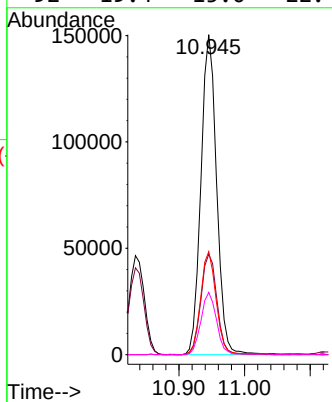
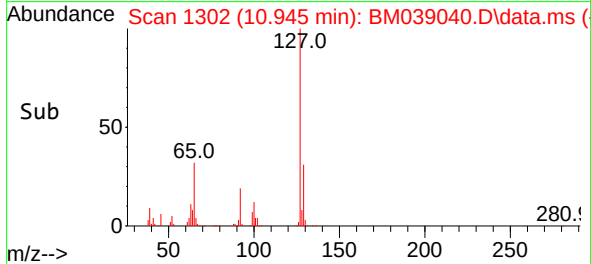
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



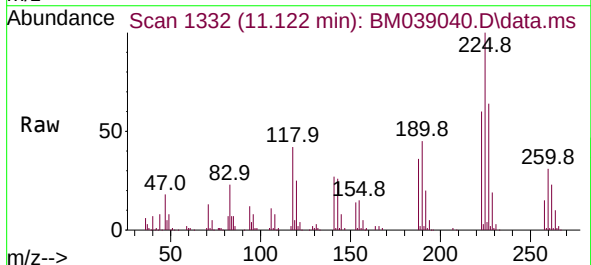
Tgt Ion:127 Resp: 248979
Ion Ratio Lower Upper
127 100
129 31.4 25.4 38.2
65 32.2 24.4 36.6
92 19.4 15.0 22.4

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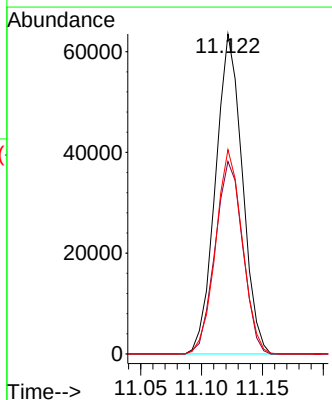
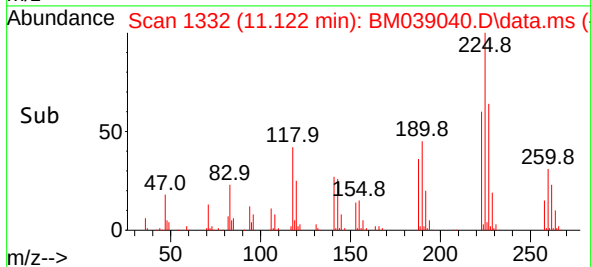
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

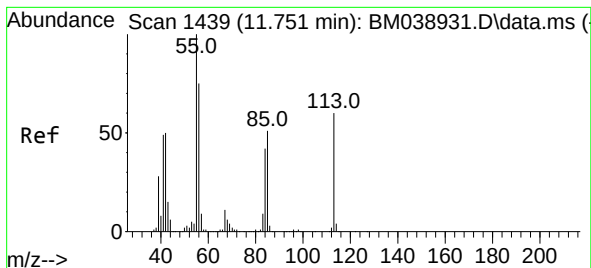


#34
Hexachlorobutadiene
Concen: 6.284 ng
RT: 11.122 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15



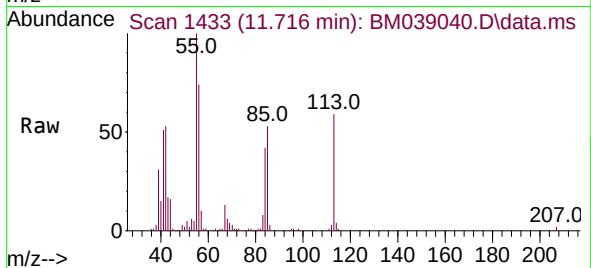
Tgt Ion:225 Resp: 97280
Ion Ratio Lower Upper
225 100
223 60.1 51.3 76.9
227 66.3 50.6 76.0





#35
Caprolactam
Concen: 7.077 ng
RT: 11.716 min Scan# 1433
Delta R.T. -0.023 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

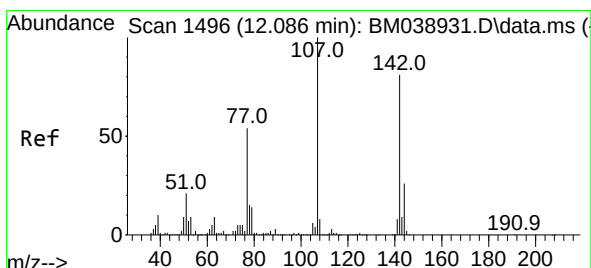
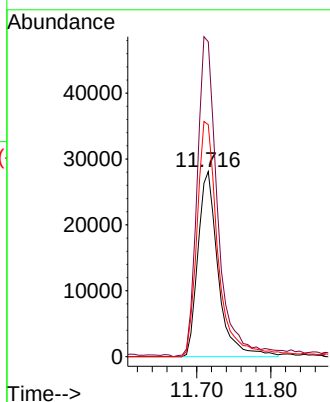
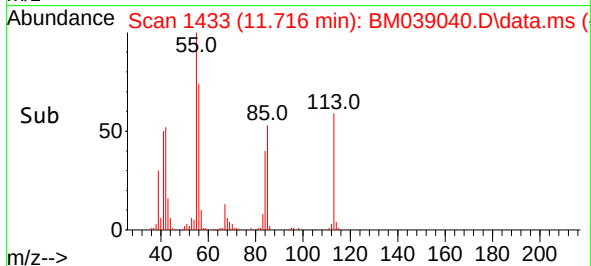
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



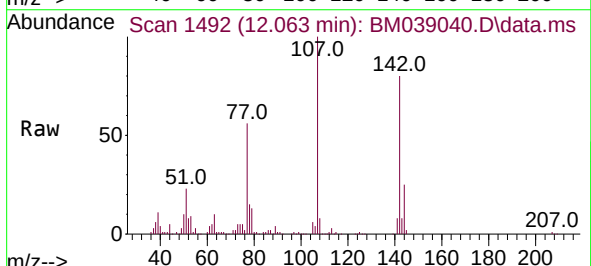
Tgt Ion:113 Resp: 53205
Ion Ratio Lower Upper
113 100
55 170.1 147.0 187.0
56 125.3 105.1 145.1

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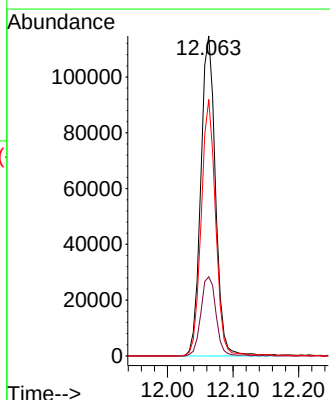
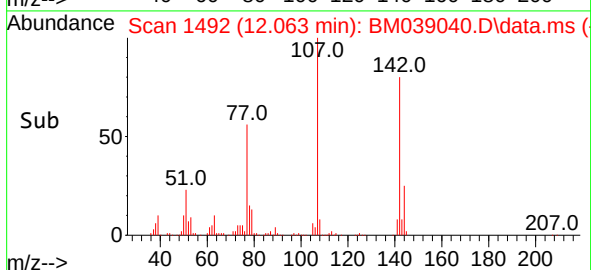
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

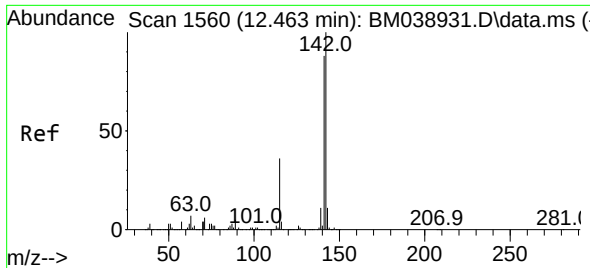


#36
4-Chloro-3-methylphenol
Concen: 6.761 ng
RT: 12.063 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15



Tgt Ion:107 Resp: 177825
Ion Ratio Lower Upper
107 100
144 24.7 20.7 31.1
142 80.1 64.6 97.0





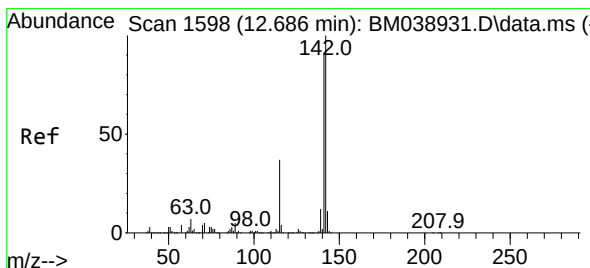
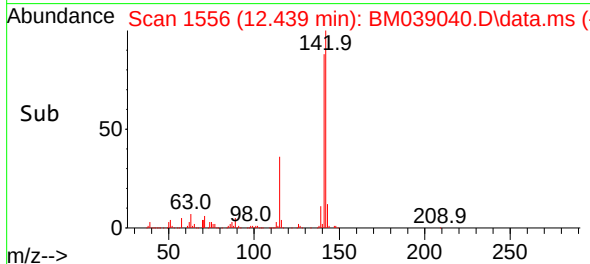
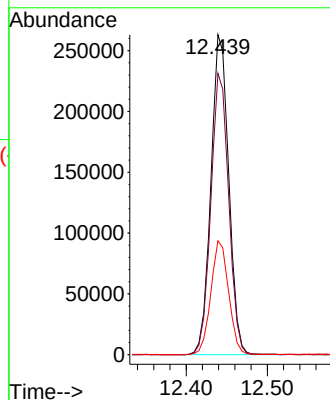
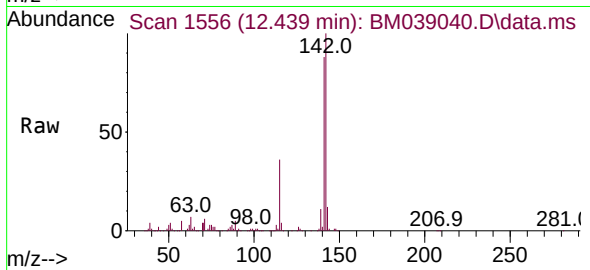
#37
2-Methylnaphthalene
Concen: 6.577 ng
RT: 12.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

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

Tgt Ion:142 Resp: 401188
Ion Ratio Lower Upper
142 100
141 87.9 70.6 106.0
115 35.6 28.5 42.7

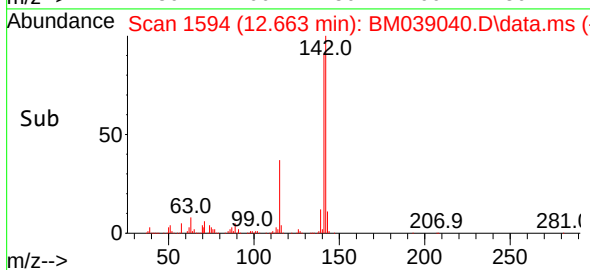
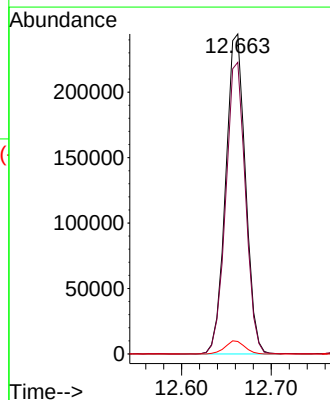
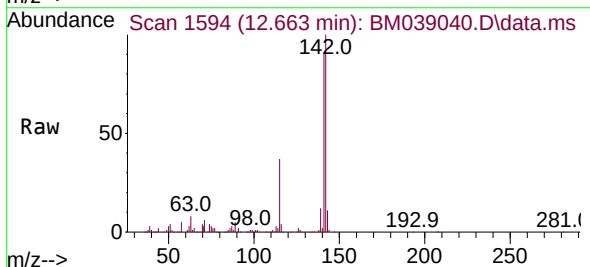
Manual Integrations
APPROVED

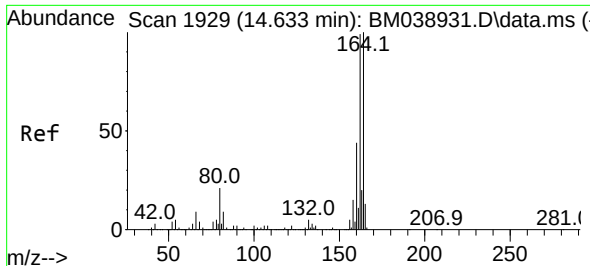
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#38
1-Methylnaphthalene
Concen: 6.574 ng
RT: 12.663 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

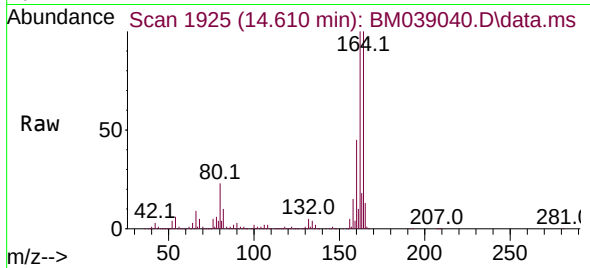
Tgt Ion:142 Resp: 375829
Ion Ratio Lower Upper
142 100
141 91.1 72.8 109.2
116 3.9 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1925
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

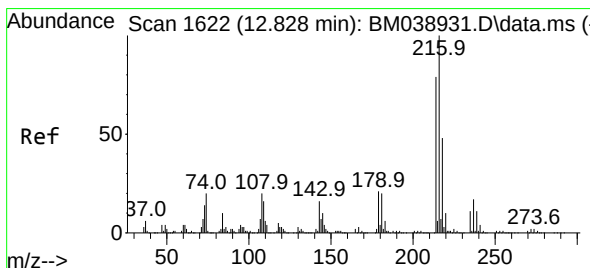
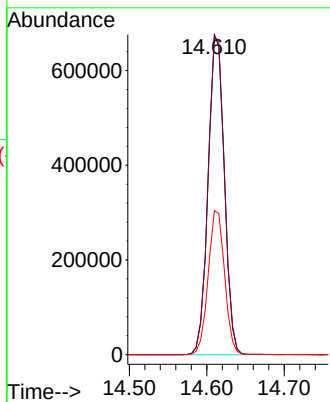
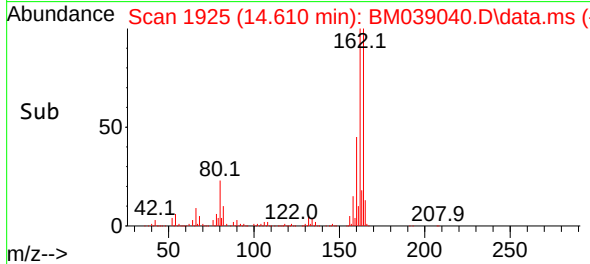
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



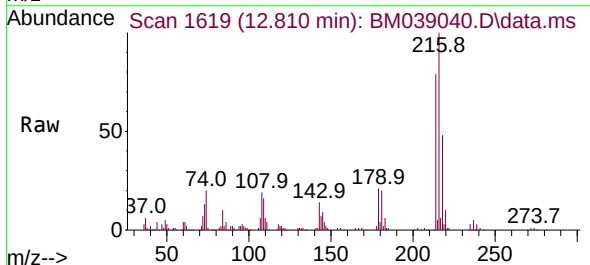
Tgt Ion:164 Resp: 981897
Ion Ratio Lower Upper
164 100
162 99.6 79.2 118.8
160 45.0 35.5 53.3

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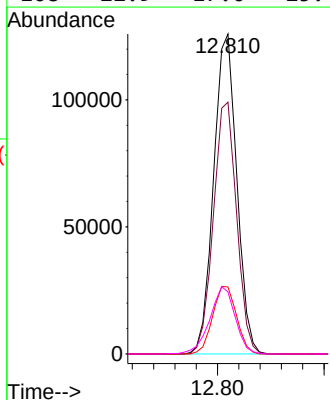
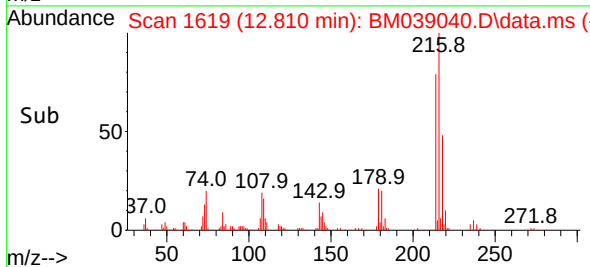
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

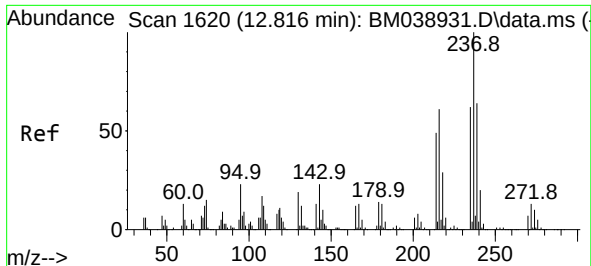


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.962 ng
RT: 12.810 min Scan# 1619
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15



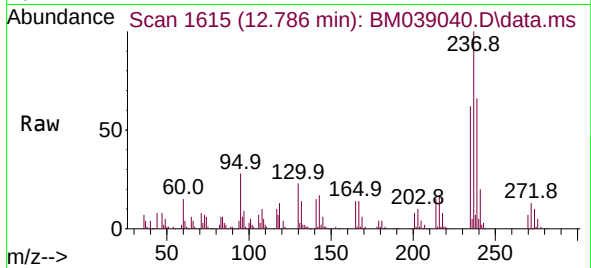
Tgt Ion:216 Resp: 190311
Ion Ratio Lower Upper
216 100
214 79.0 63.0 94.4
179 21.7 16.8 25.2
108 22.9 17.0 25.4





#41
Hexachlorocyclopentadiene
Concen: 6.138 ng
RT: 12.786 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

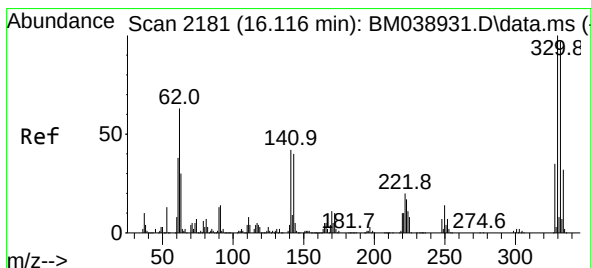
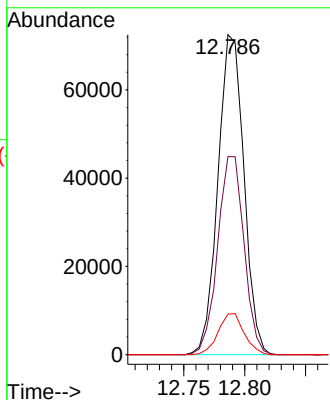
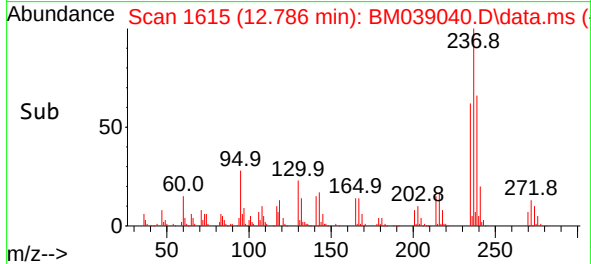
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



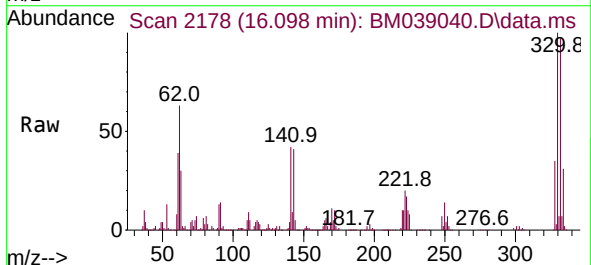
Tgt Ion:237 Resp: 107556
Ion Ratio Lower Upper
237 100
235 61.9 41.7 81.7
272 12.6 0.0 33.2

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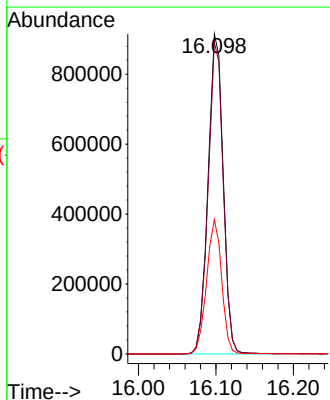
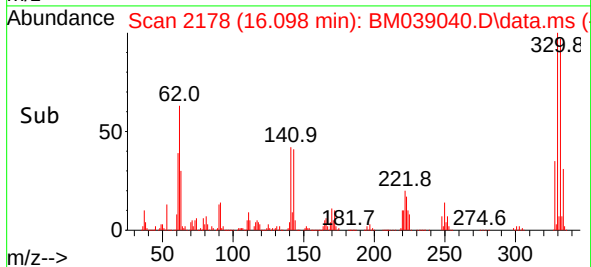
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

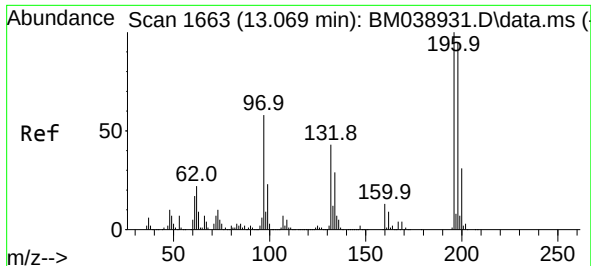


#42
2,4,6-Tribromophenol
Concen: 109.679 ng
RT: 16.098 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15



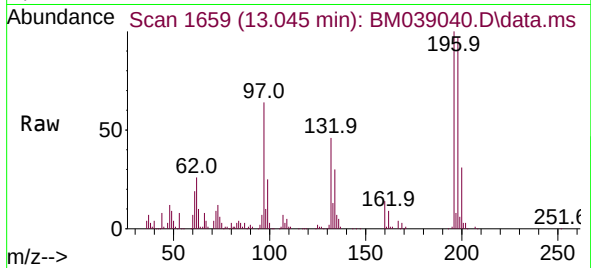
Tgt Ion:330 Resp: 1245844
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.0
141 41.9 32.2 48.4





#43
2,4,6-Trichlorophenol
Concen: 5.699 ng
RT: 13.045 min Scan# 1659
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

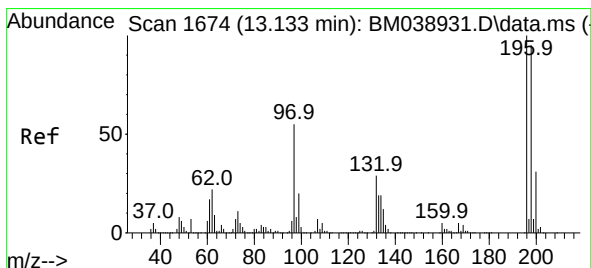
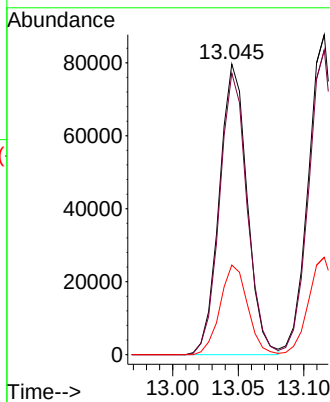
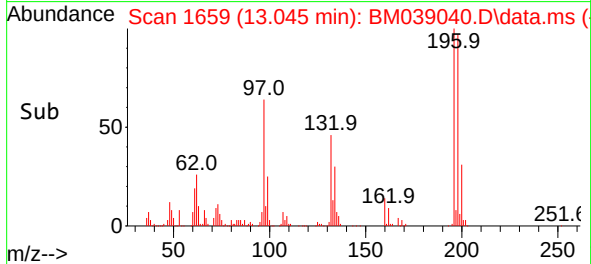
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:196 Resp: 117793
Ion Ratio Lower Upper
196 100
198 96.9 75.8 113.8
200 30.8 25.0 37.4

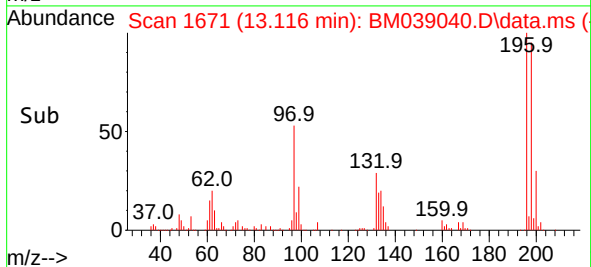
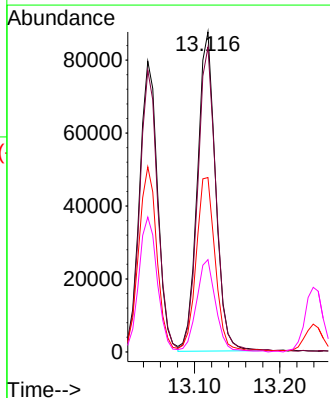
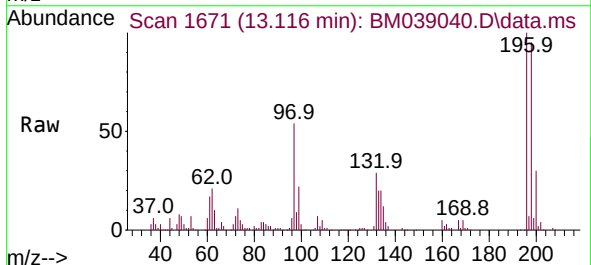
Manual Integrations
APPROVED

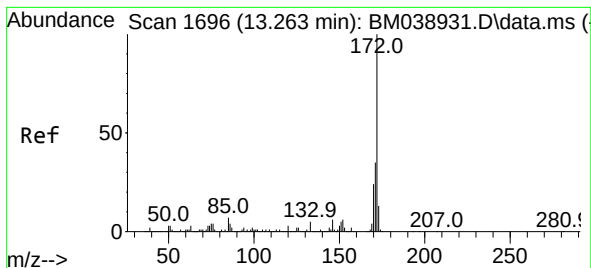
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#44
2,4,5-Trichlorophenol
Concen: 5.362 ng
RT: 13.116 min Scan# 1671
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

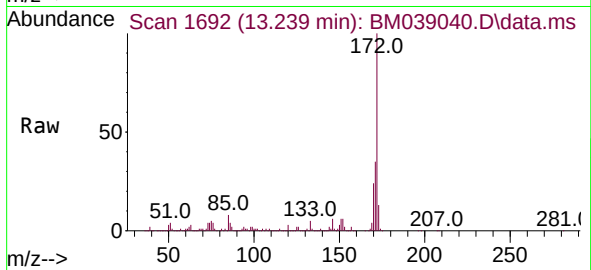
Tgt Ion:196 Resp: 129727
Ion Ratio Lower Upper
196 100
198 95.2 76.3 114.5
97 54.5 44.2 66.4
132 28.8 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 72.717 ng
RT: 13.239 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

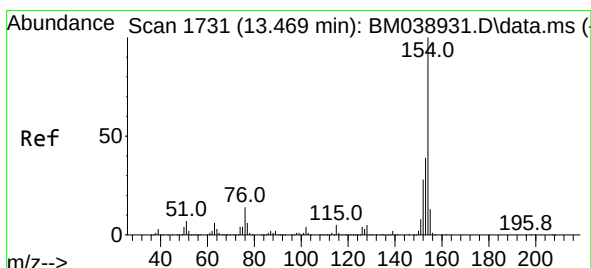
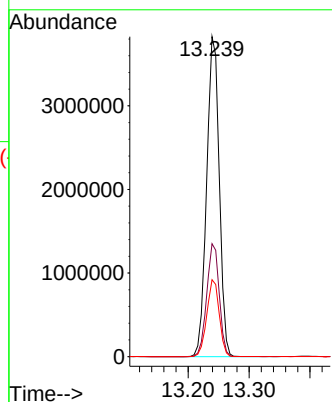
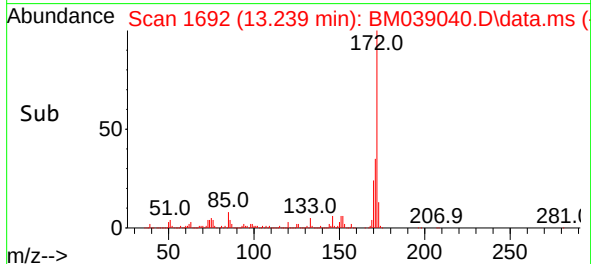
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT1-2022



Tgt Ion:172 Resp: 5484796
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 24.0 19.1 28.7

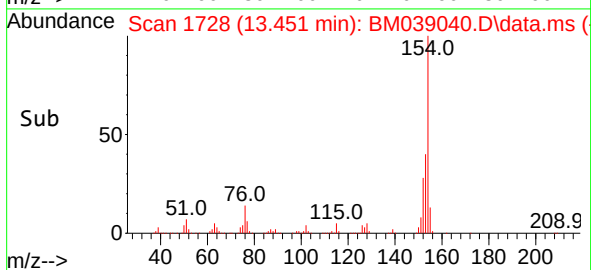
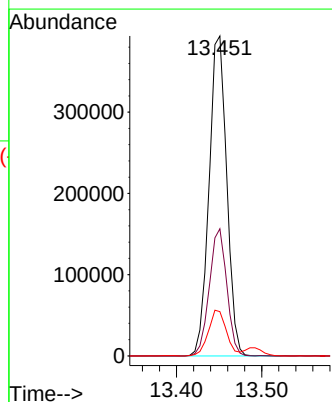
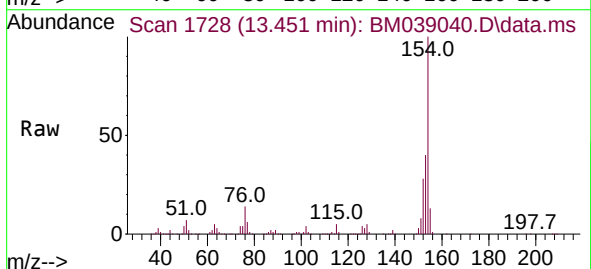
Manual Integrations
APPROVED

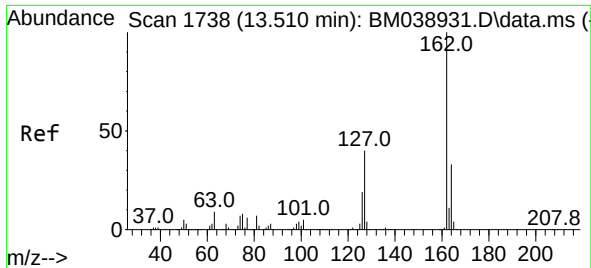
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#46
1,1'-Biphenyl
Concen: 6.809 ng
RT: 13.451 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

Tgt Ion:154 Resp: 566428
Ion Ratio Lower Upper
154 100
153 39.7 19.3 59.3
76 13.9 0.0 34.0





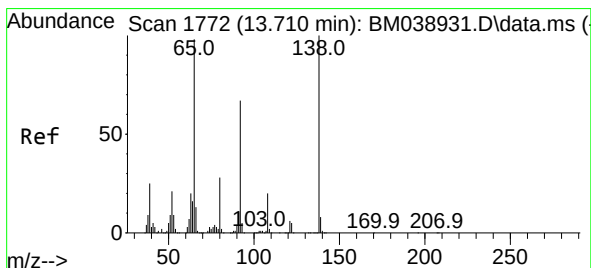
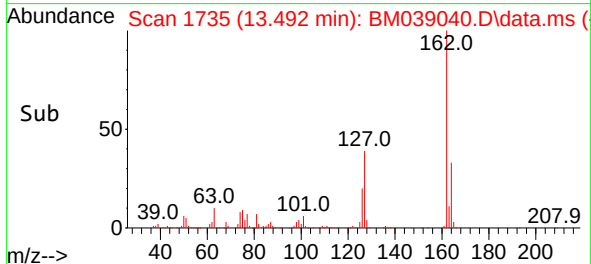
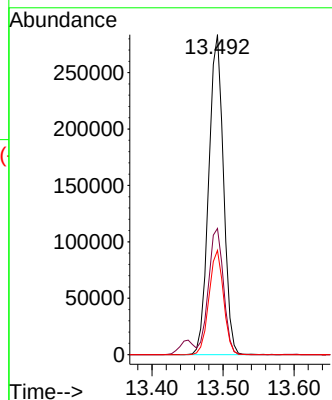
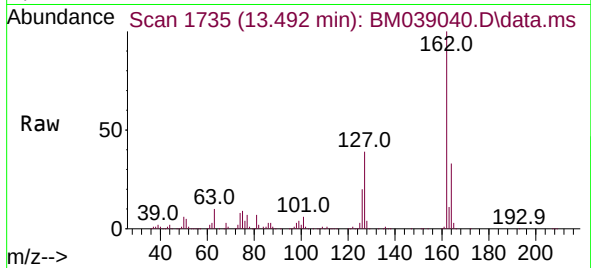
#47
2-Chloronaphthalene
Concen: 6.492 ng
RT: 13.492 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

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

Tgt Ion:162 Resp: 407205
Ion Ratio Lower Upper
162 100
127 39.4 32.1 48.1
164 32.6 26.2 39.4

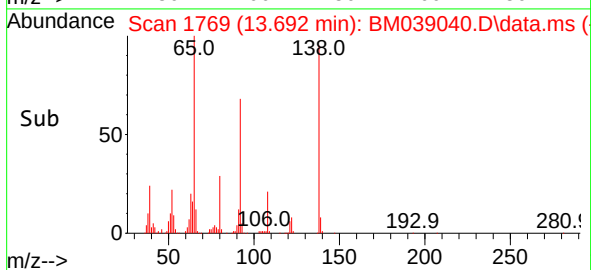
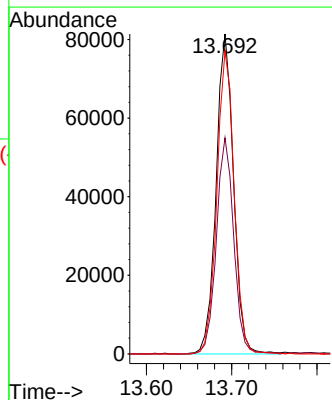
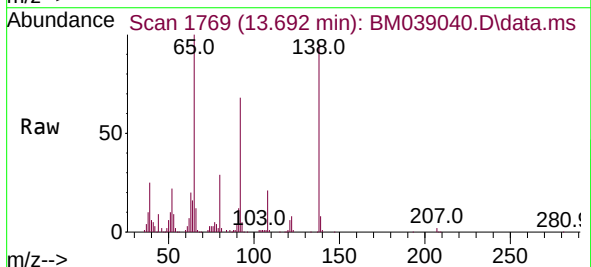
Manual Integrations
APPROVED

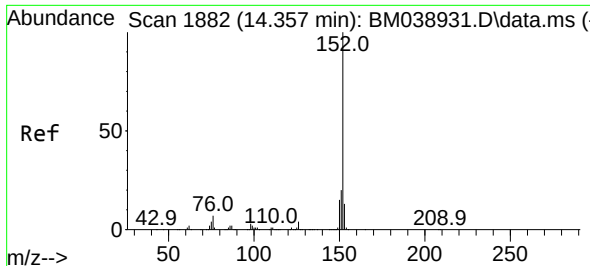
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#48
2-Nitroaniline
Concen: 7.709 ng
RT: 13.692 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

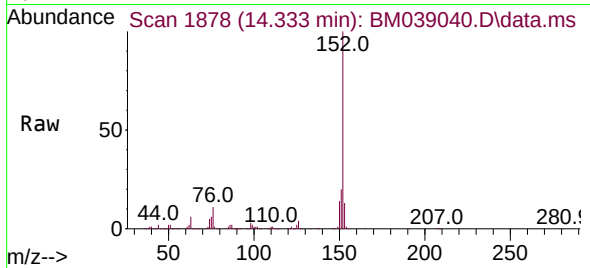
Tgt Ion: 65 Resp: 115669
Ion Ratio Lower Upper
65 100
92 67.5 54.9 82.3
138 94.5 81.6 122.4





#49
Acenaphthylene
Concen: 6.326 ng
RT: 14.333 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

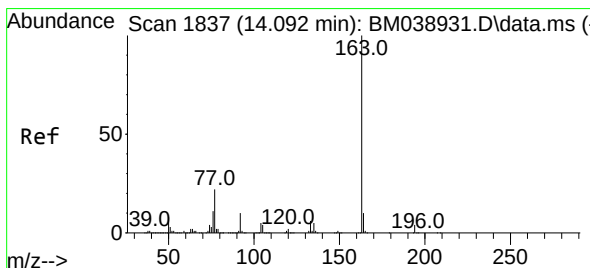
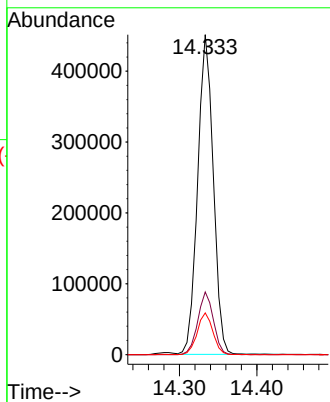
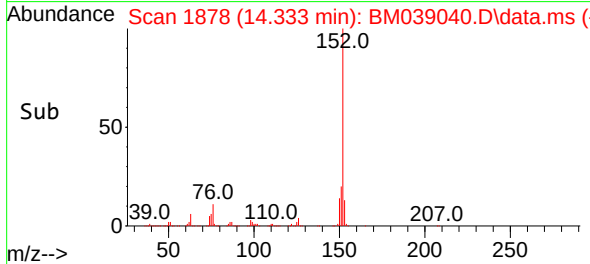
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:152 Resp: 632100
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.8
153 13.1 10.4 15.6

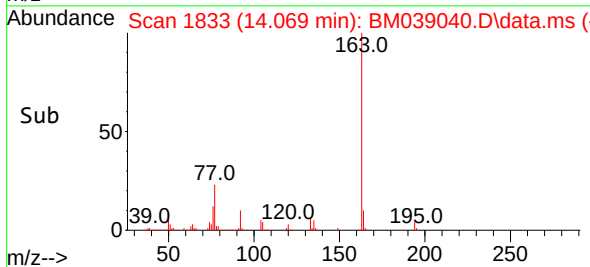
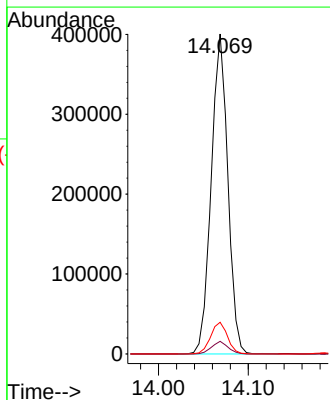
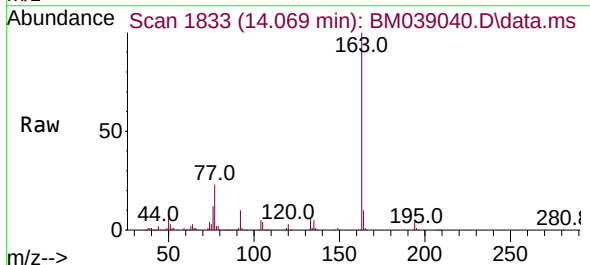
Manual Integrations
APPROVED

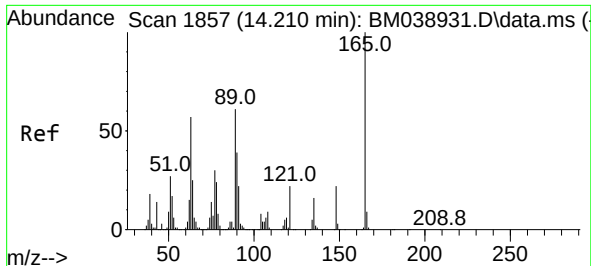
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#50
Dimethylphthalate
Concen: 6.813 ng
RT: 14.069 min Scan# 1833
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

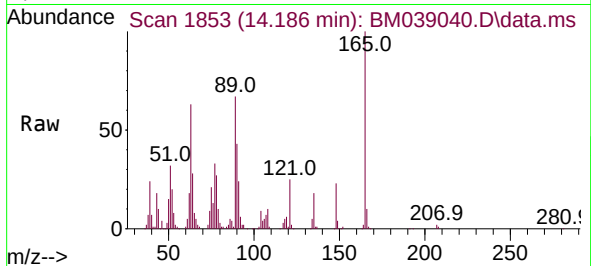
Tgt Ion:163 Resp: 514754
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.9 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 7.286 ng
RT: 14.186 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

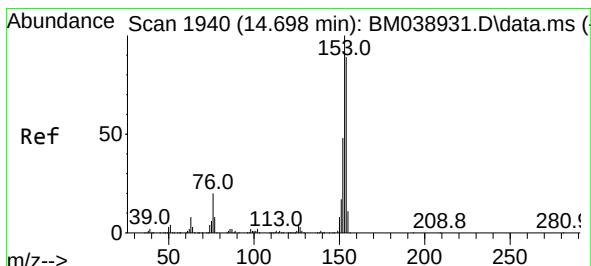
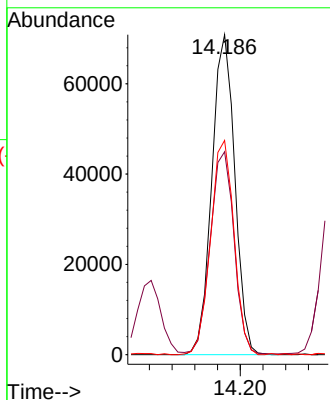
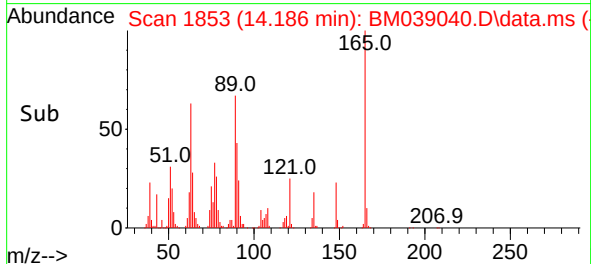
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



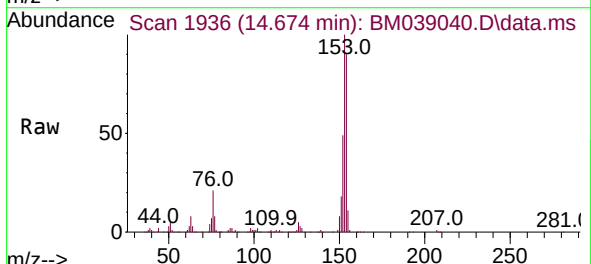
Tgt Ion:165 Resp: 9945
Ion Ratio Lower Upper
165 100
63 63.4 46.6 70.0
89 66.9 48.6 73.0

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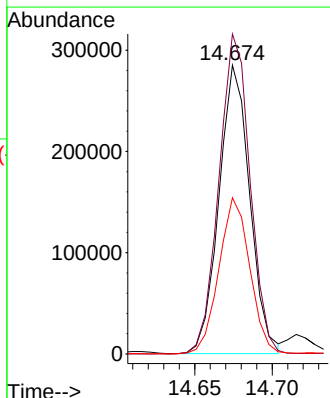
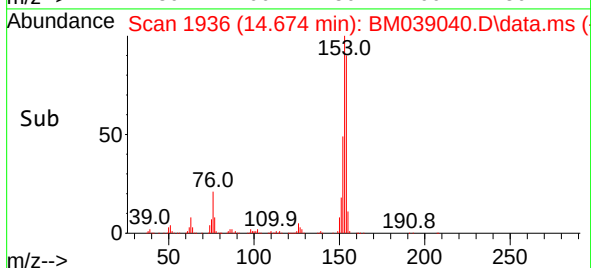
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

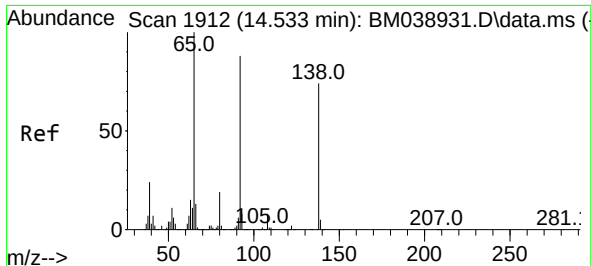


#52
Acenaphthene
Concen: 6.431 ng
RT: 14.674 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15



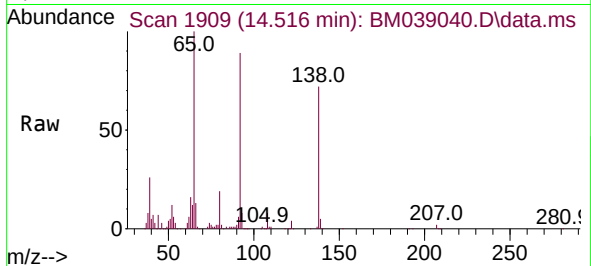
Tgt Ion:154 Resp: 394879
Ion Ratio Lower Upper
154 100
153 110.8 90.2 135.2
152 54.1 43.4 65.2





#53
3-Nitroaniline
Concen: 7.067 ng
RT: 14.516 min Scan# 1909
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

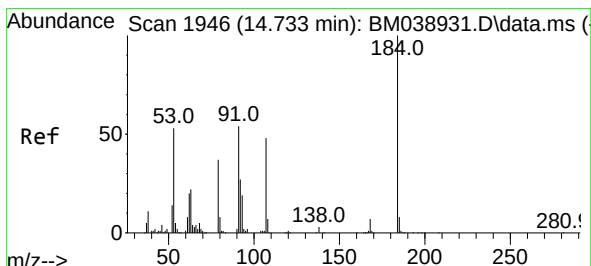
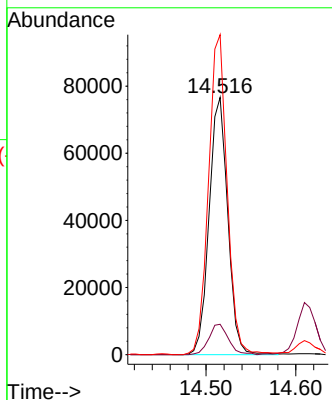
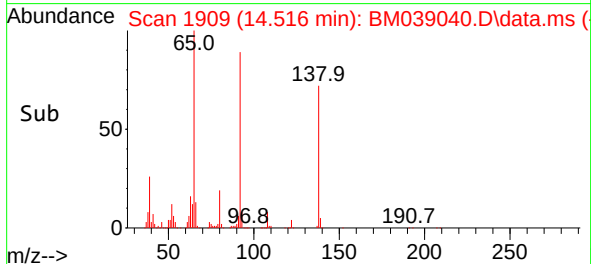
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:138 Resp: 11067
Ion Ratio Lower Upper
138 100
108 11.8 8.3 12.5
92 124.4 95.8 143.8

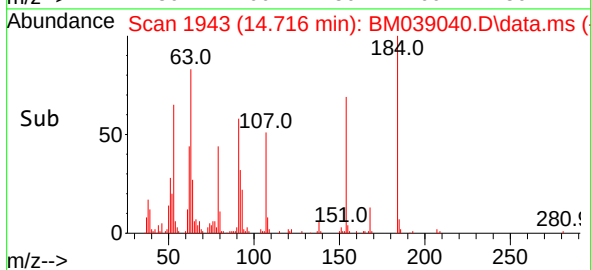
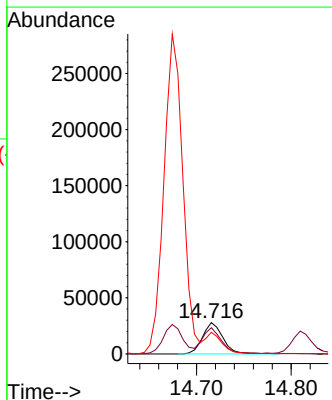
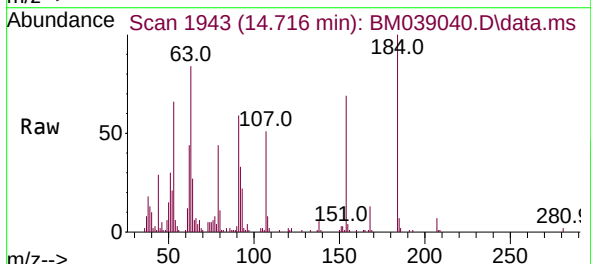
Manual Integrations
APPROVED

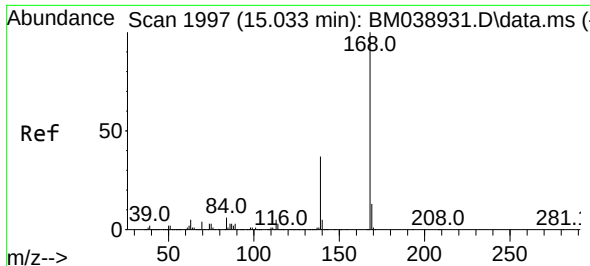
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#54
2,4-Dinitrophenol
Concen: 9.227 ng
RT: 14.716 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

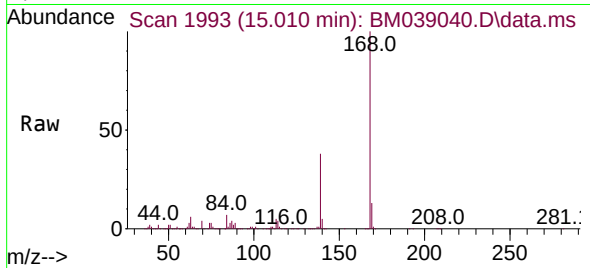
Tgt Ion:184 Resp: 41455
Ion Ratio Lower Upper
184 100
63 83.7 60.6 90.8
154 69.0 51.4 77.2





#55
Dibenzenofuran
Concen: 6.605 ng
RT: 15.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

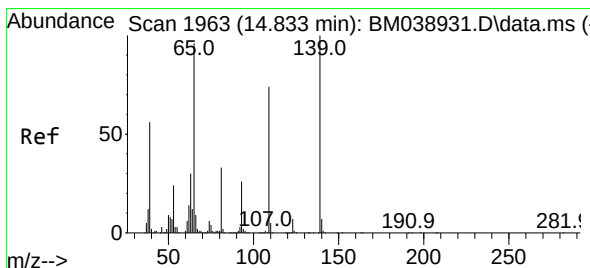
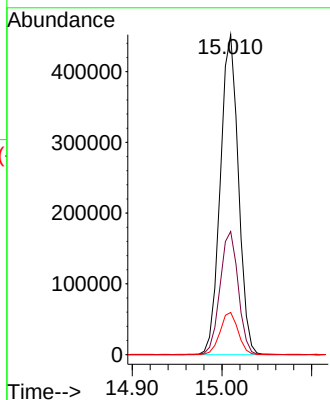
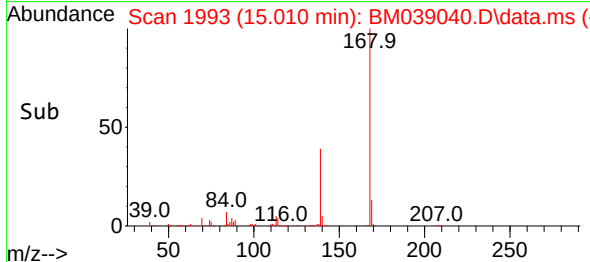
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



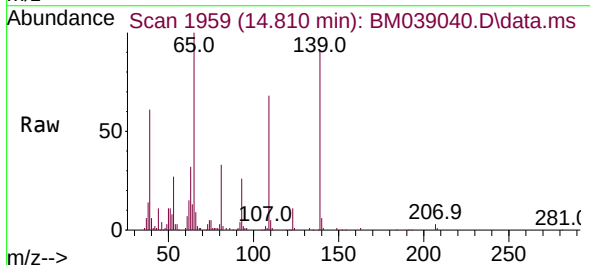
Tgt Ion:168 Resp: 634624
Ion Ratio Lower Upper
168 100
139 38.5 29.9 44.9
169 13.2 10.7 16.1

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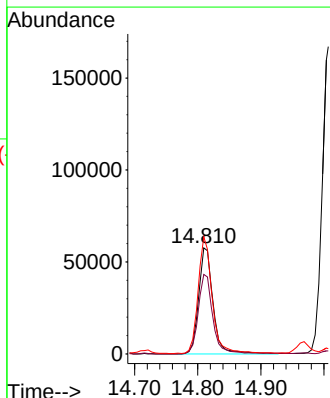
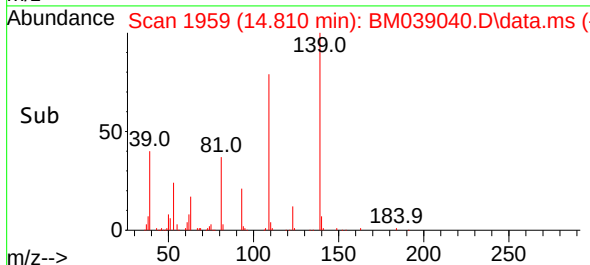
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

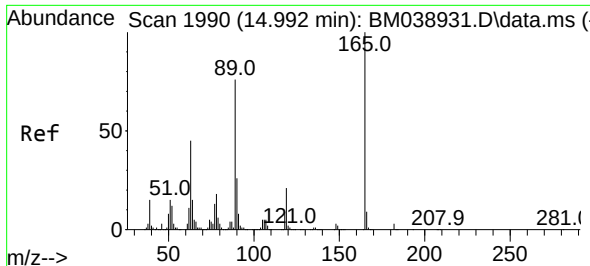


#56
4-Nitrophenol
Concen: 6.069 ng
RT: 14.810 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15



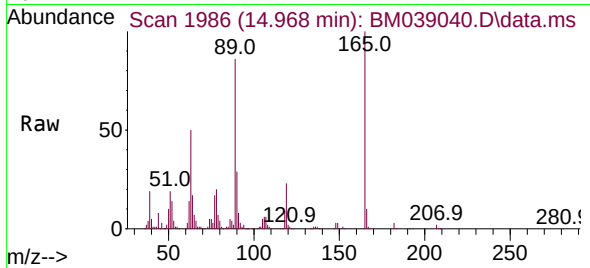
Tgt Ion:139 Resp: 91064
Ion Ratio Lower Upper
139 100
109 74.9 53.5 93.5
65 110.4 76.4 116.4





#57
2,4-Dinitrotoluene
Concen: 7.554 ng
RT: 14.968 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

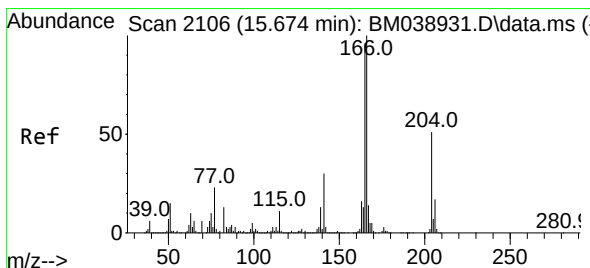
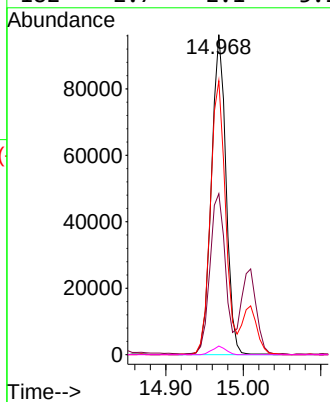
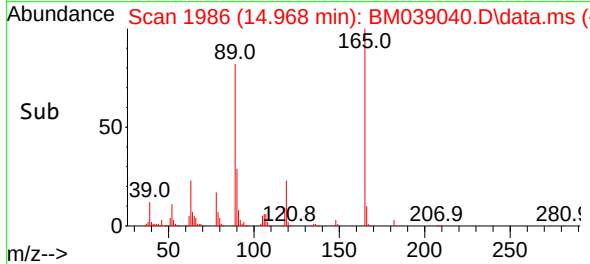
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:165 Resp: 125998
Ion Ratio Lower Upper
165 100
63 50.3 35.9 53.9
89 85.6 61.0 91.6
182 2.7 2.1 3.1

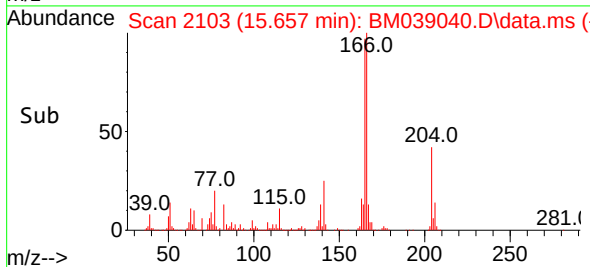
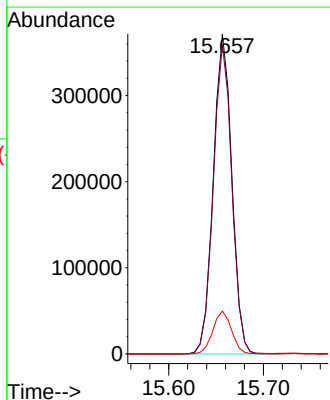
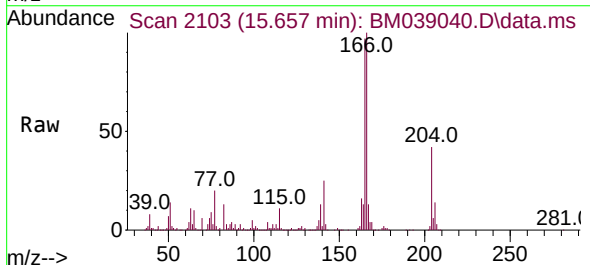
Manual Integrations
APPROVED

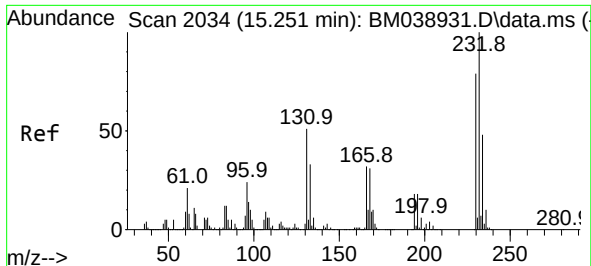
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#58
Fluorene
Concen: 6.701 ng
RT: 15.657 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

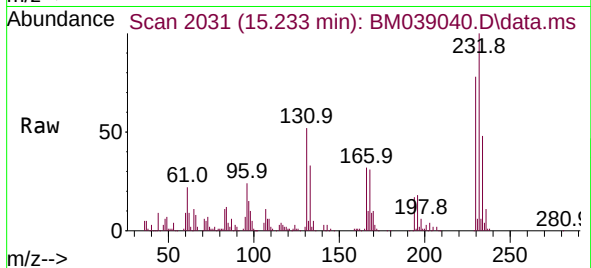
Tgt Ion:166 Resp: 504343
Ion Ratio Lower Upper
166 100
165 96.8 77.1 115.7
167 13.4 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.470 ng
RT: 15.233 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

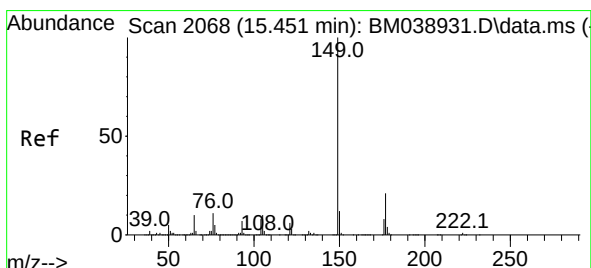
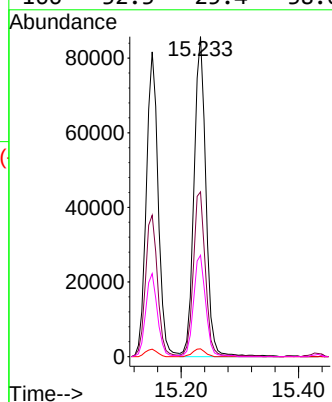
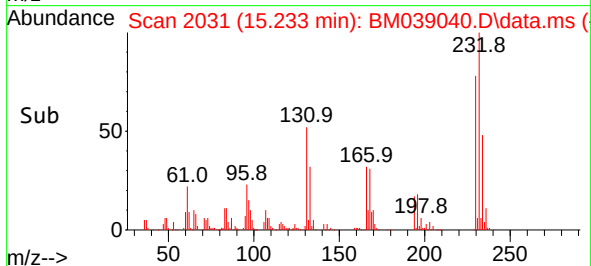
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



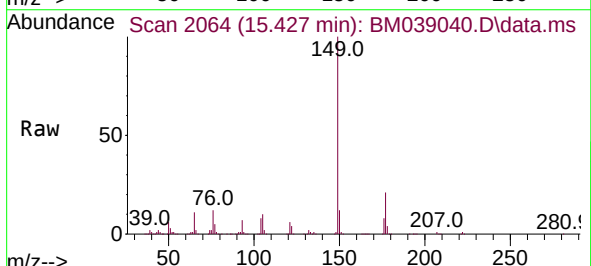
Tgt Ion:232 Resp: 120735
Ion Ratio Lower Upper
232 100
131 52.7 40.0 60.0
130 2.6 2.0 3.0
166 32.3 25.4 38.0

Manual Integrations
APPROVED

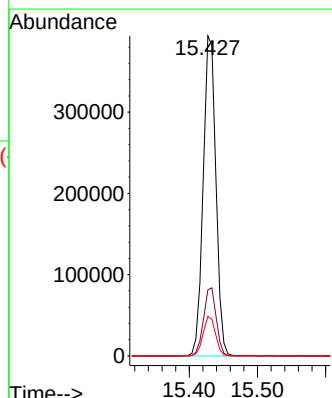
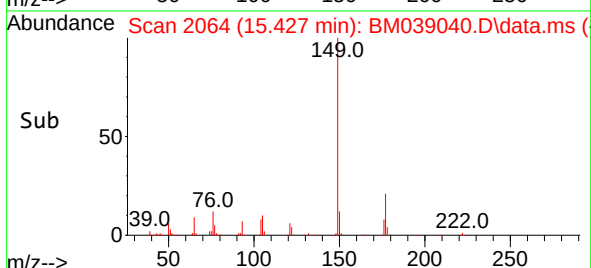
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

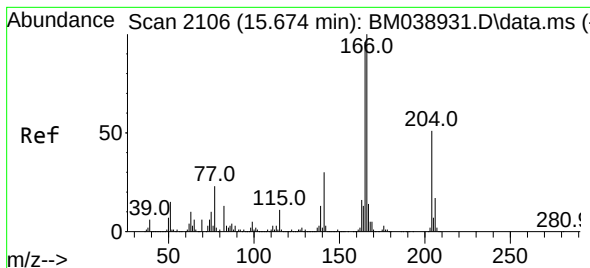


#60
Diethylphthalate
Concen: 6.952 ng
RT: 15.427 min Scan# 2064
Delta R.T. -0.012 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15



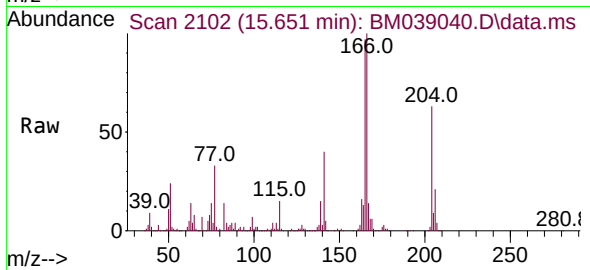
Tgt Ion:149 Resp: 511105
Ion Ratio Lower Upper
149 100
177 20.7 17.1 25.7
150 12.3 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 6.502 ng
RT: 15.651 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

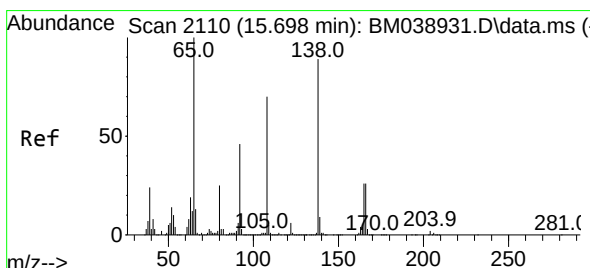
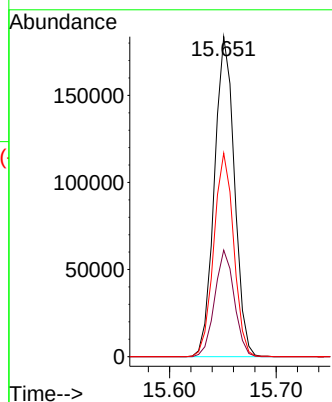
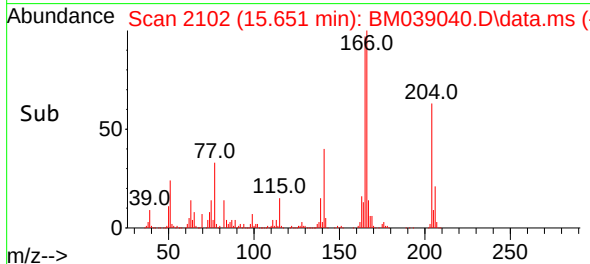
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:204 Resp: 240429
Ion Ratio Lower Upper
204 100
206 33.3 26.4 39.6
141 63.6 46.4 69.6

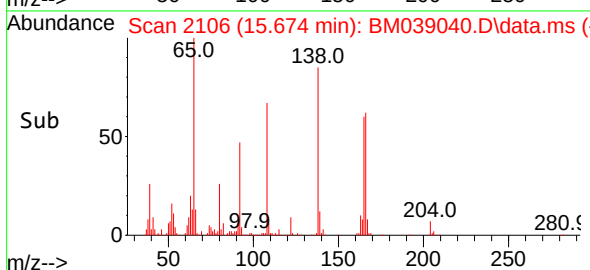
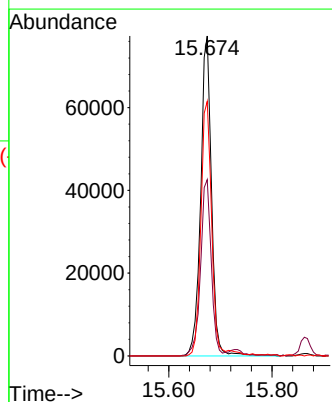
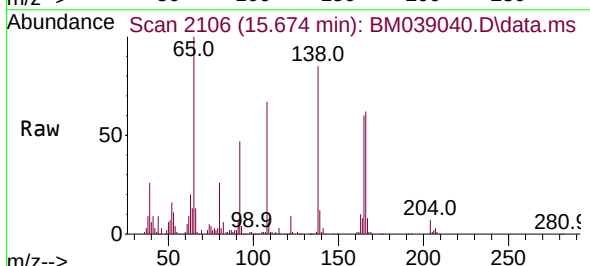
Manual Integrations
APPROVED

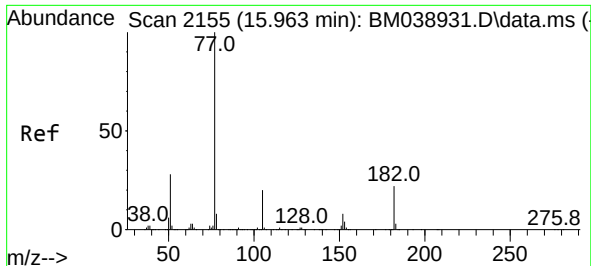
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#62
4-Nitroaniline
Concen: 7.198 ng
RT: 15.674 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

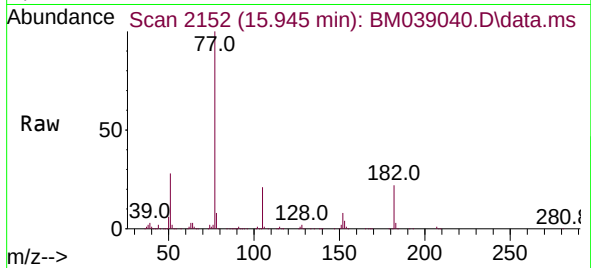
Tgt Ion:138 Resp: 112438
Ion Ratio Lower Upper
138 100
92 55.1 31.6 71.6
108 79.5 58.6 98.6





#63
Azobenzene
Concen: 6.868 ng
RT: 15.945 min Scan# 2152
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

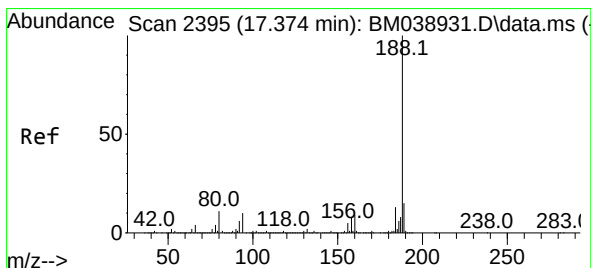
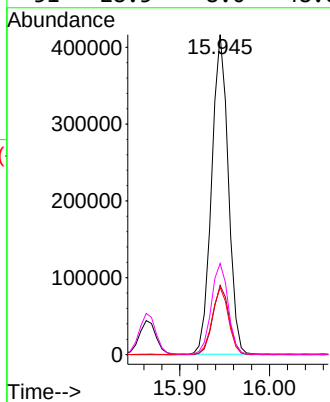
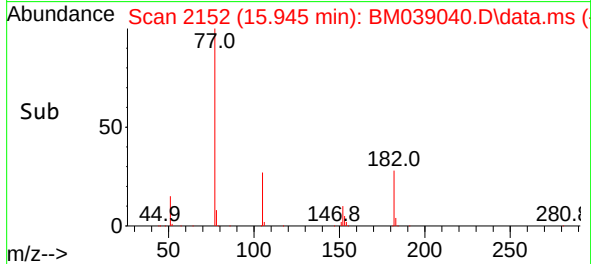
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 77 Resp: 53427
Ion Ratio Lower Upper
77 100
182 21.6 2.0 42.0
105 21.0 0.4 40.4
51 28.5 8.0 48.0

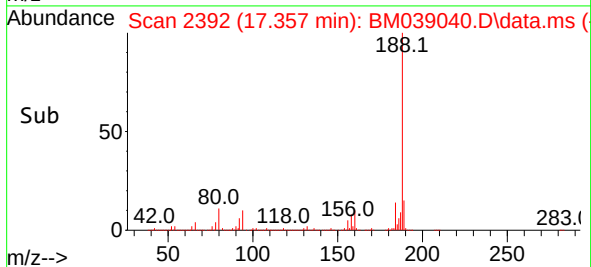
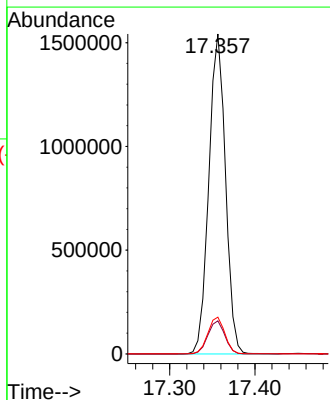
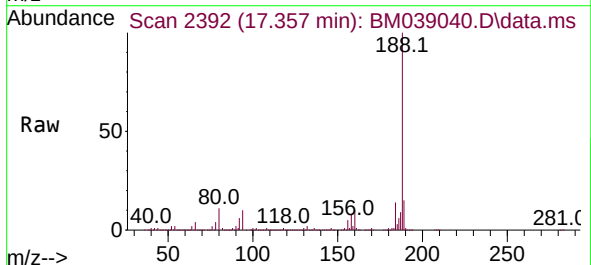
Manual Integrations
APPROVED

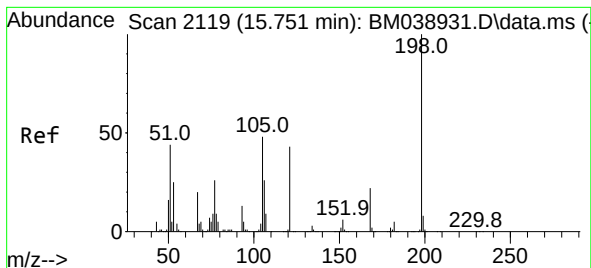
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.357 min Scan# 2392
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

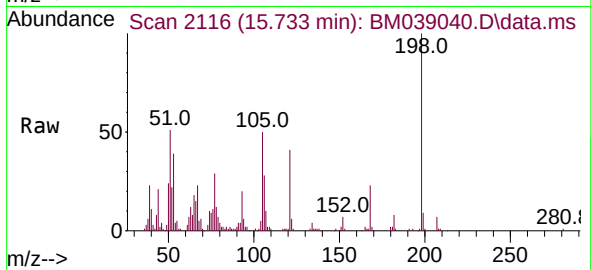
Tgt Ion:188 Resp: 2092623
Ion Ratio Lower Upper
188 100
94 10.3 7.9 11.9
80 11.5 8.5 12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 8.989 ng
RT: 15.733 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

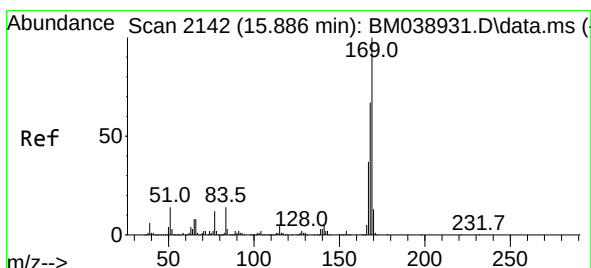
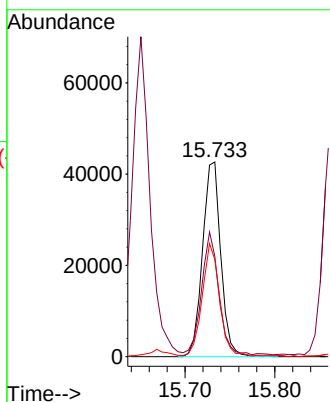
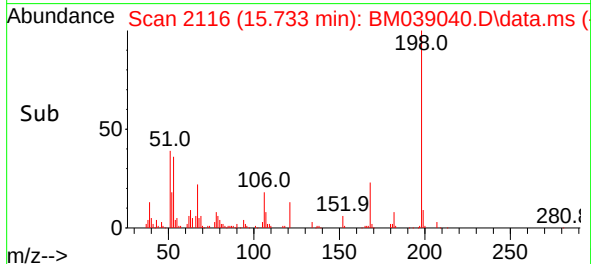
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:198 Resp: 60010
Ion Ratio Lower Upper
198 100
51 51.5 30.1 70.1
105 49.8 29.3 69.3

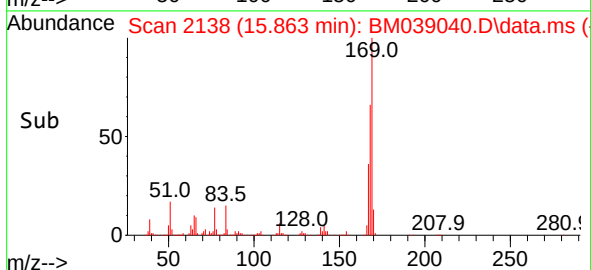
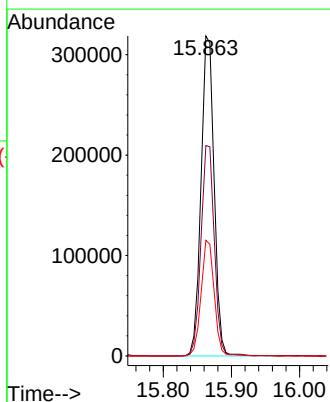
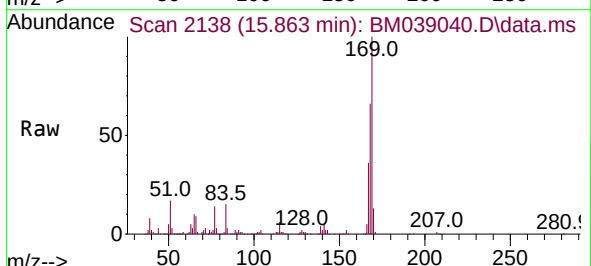
Manual Integrations
APPROVED

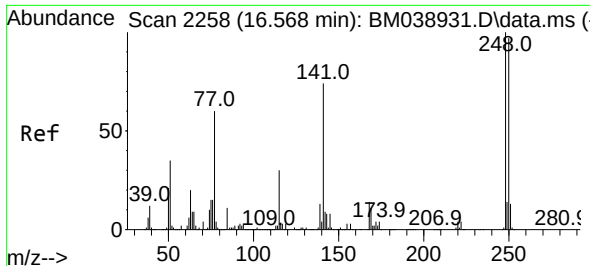
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#66
n-Nitrosodiphenylamine
Concen: 6.027 ng
RT: 15.863 min Scan# 2138
Delta R.T. -0.012 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

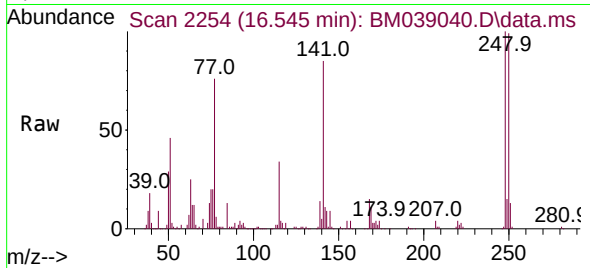
Tgt Ion:169 Resp: 425184
Ion Ratio Lower Upper
169 100
168 65.7 53.4 80.0
167 36.1 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 5.982 ng
RT: 16.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

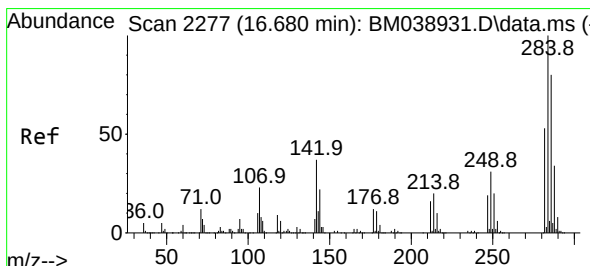
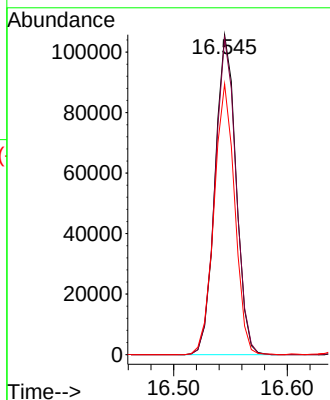
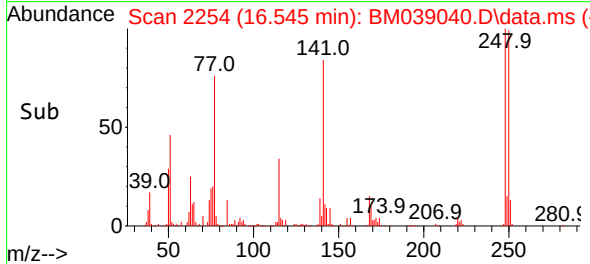
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



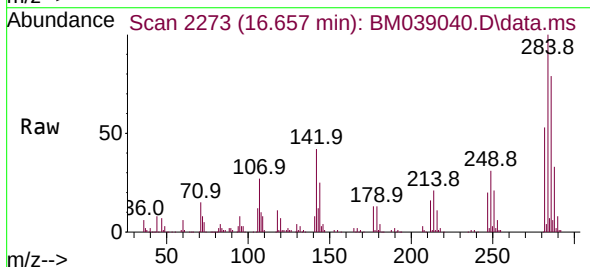
Tgt Ion:248 Resp: 135200
Ion Ratio Lower Upper
248 100
250 99.0 77.8 116.8
141 84.6 59.0 88.4

Manual Integrations
APPROVED

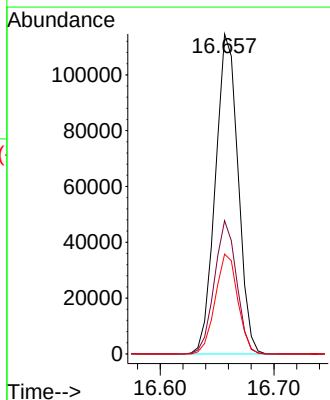
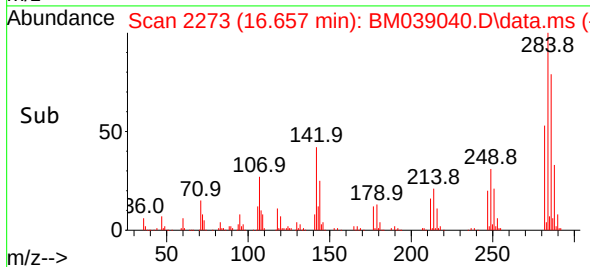
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

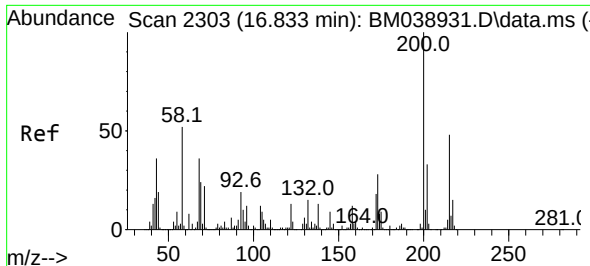


#68
Hexachlorobenzene
Concen: 6.280 ng
RT: 16.657 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15



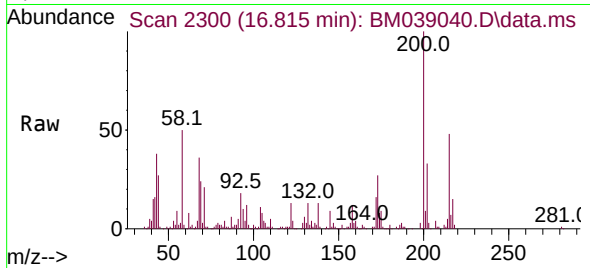
Tgt Ion:284 Resp: 158677
Ion Ratio Lower Upper
284 100
142 41.6 29.5 44.3
249 31.2 25.0 37.4





#69
 Atrazine
 Concen: 7.229 ng
 RT: 16.815 min Scan# 2303
 Delta R.T. -0.006 min
 Lab File: BM039040.D
 Acq: 20 Mar 2023 12:15

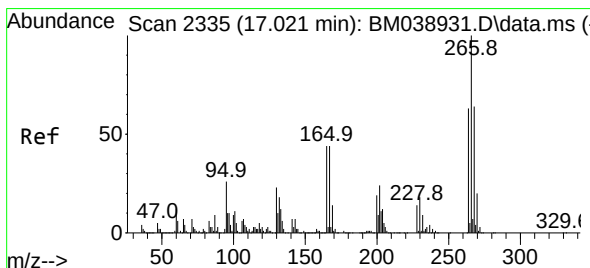
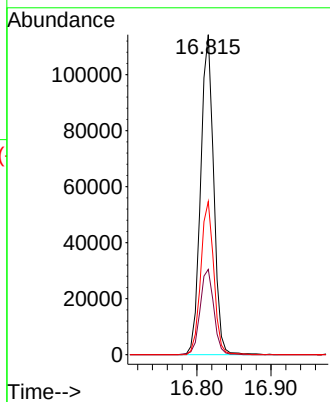
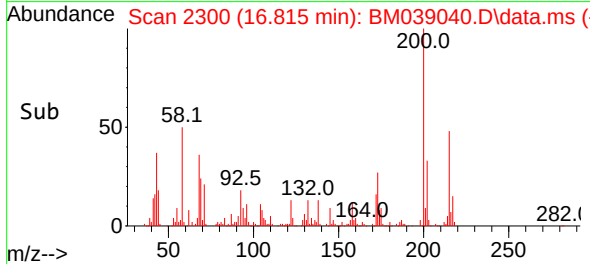
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2022



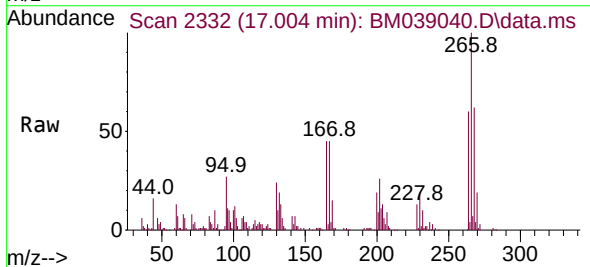
Tgt Ion:200 Resp: 139306
 Ion Ratio Lower Upper
 200 100
 173 26.6 8.2 48.2
 215 47.8 27.8 67.8

Manual Integrations
 APPROVED

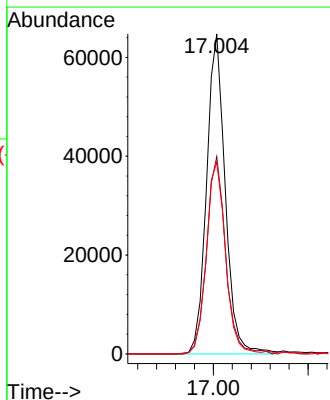
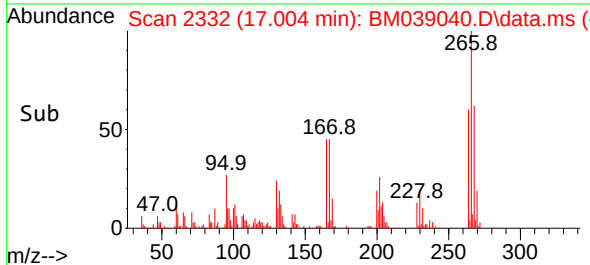
Reviewed By :Christian Giraldo 03/21/2023
 Supervised By :Jagrut Upadhyay 03/21/2023

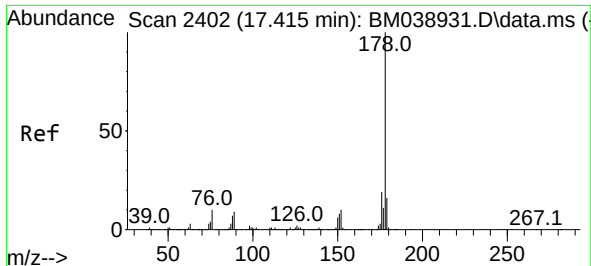


#70
 Pentachlorophenol
 Concen: 4.775 ng
 RT: 17.004 min Scan# 2332
 Delta R.T. -0.006 min
 Lab File: BM039040.D
 Acq: 20 Mar 2023 12:15



Tgt Ion:266 Resp: 88733
 Ion Ratio Lower Upper
 266 100
 268 61.6 51.0 76.4
 264 59.9 50.3 75.5





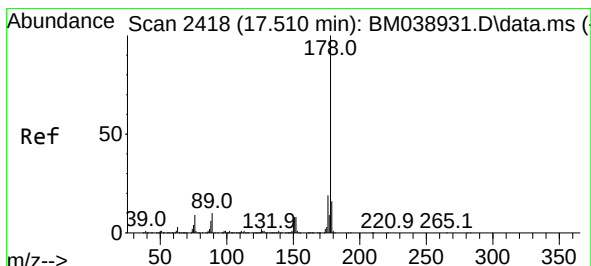
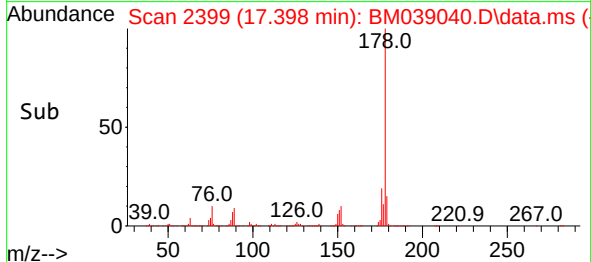
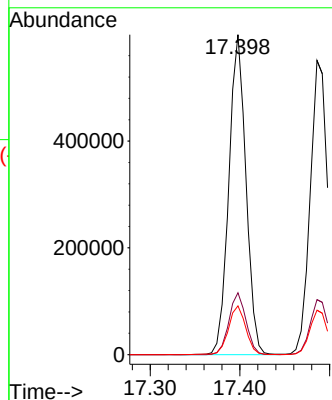
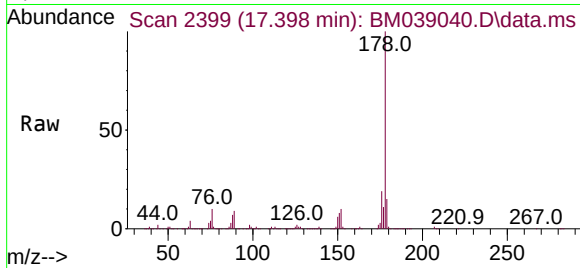
#71
Phenanthrene
Concen: 6.497 ng
RT: 17.398 min Scan# 2399
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

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

Tgt Ion:178 Resp: 797922
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.3 12.5 18.7

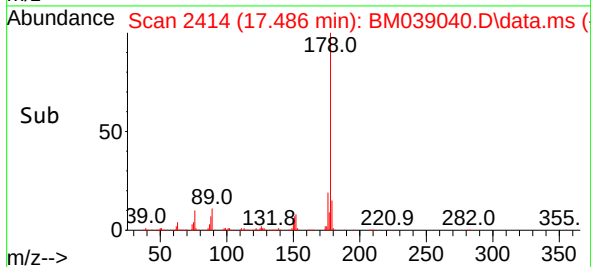
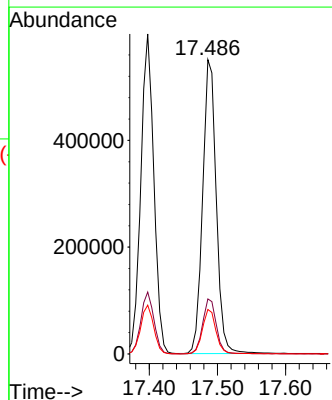
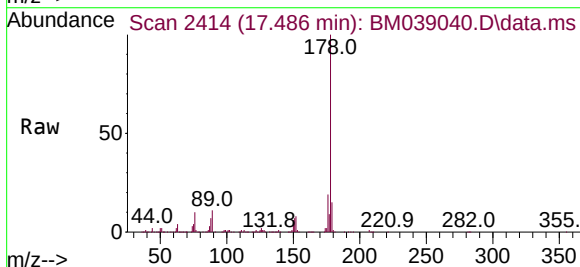
Manual Integrations
APPROVED

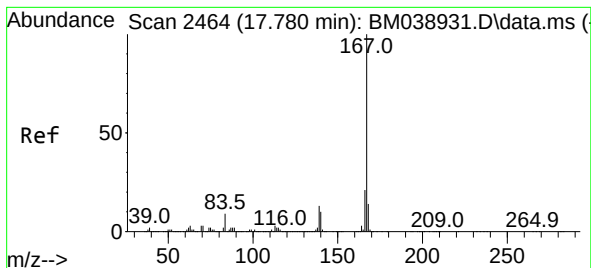
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#72
Anthracene
Concen: 6.248 ng
RT: 17.486 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

Tgt Ion:178 Resp: 765194
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.1 12.5 18.7





#73

Carbazole

Concen: 6.566 ng

RT: 17.757 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM039040.D

Acq: 20 Mar 2023 12:15

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:167 Resp: 73397

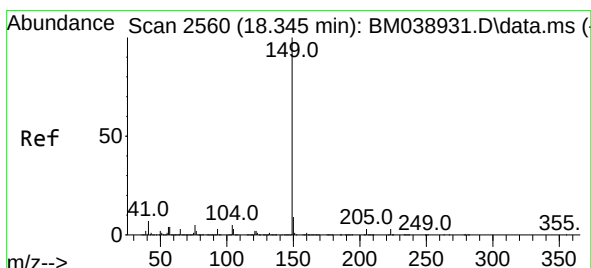
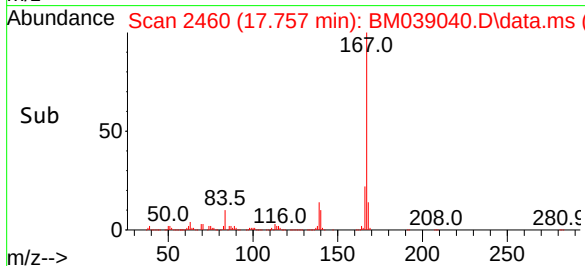
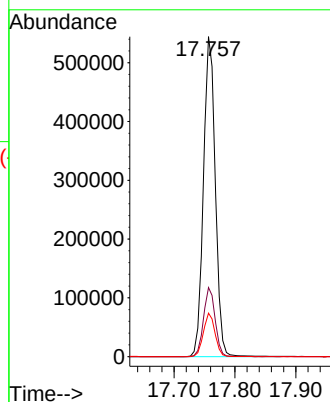
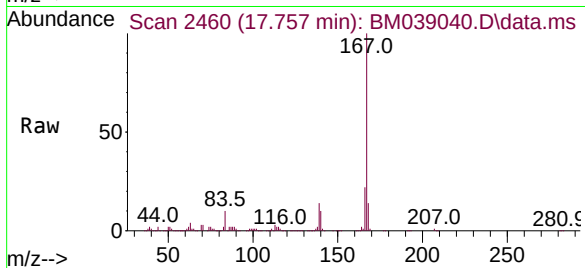
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	13.6	10.3	15.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/21/2023

Supervised By :Jagrut Upadhyay 03/21/2023



#74

Di-n-butylphthalate

Concen: 7.614 ng

RT: 18.327 min Scan# 2557

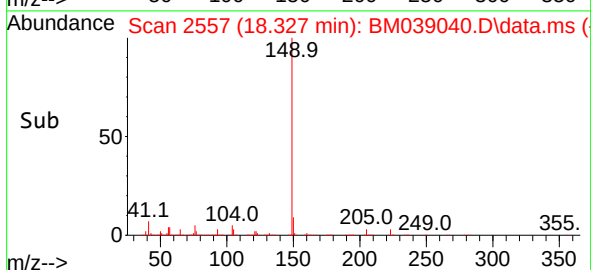
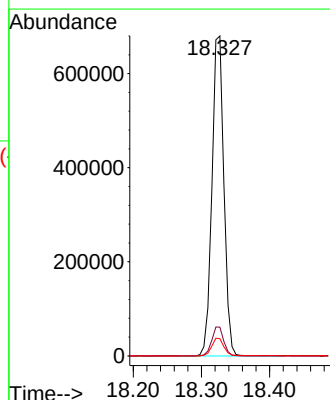
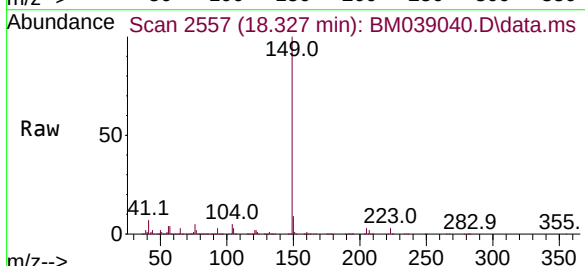
Delta R.T. 0.000 min

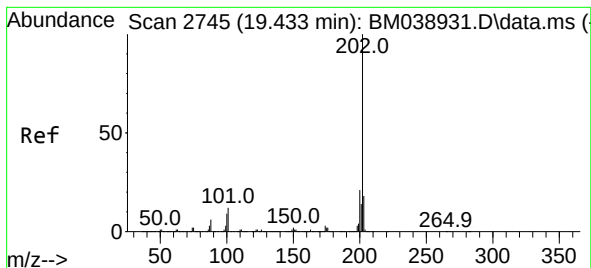
Lab File: BM039040.D

Acq: 20 Mar 2023 12:15

Tgt Ion:149 Resp: 823770

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	5.4	4.3	6.5





#75

Fluoranthene

Concen: 6.591 ng

RT: 19.409 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039040.D

Acq: 20 Mar 2023 12:15

Instrument :

BNA_M

ClientSampleId :

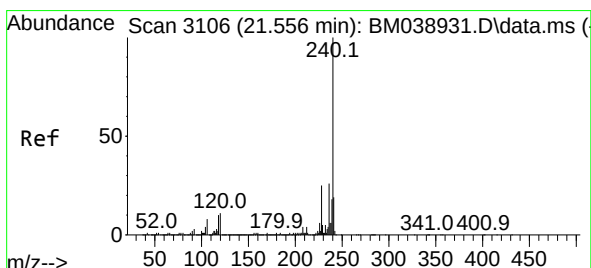
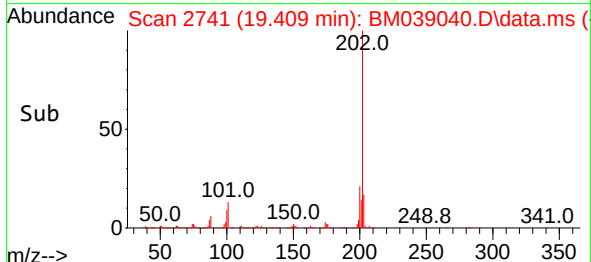
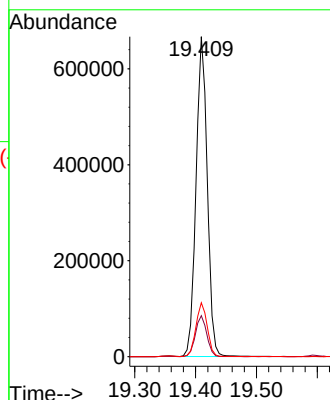
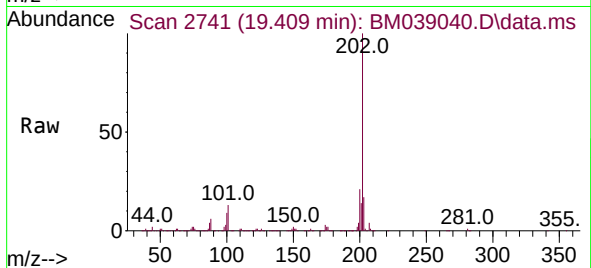
MDL-SOIL-03-QT1-2022

Tgt Ion:202 Resp: 854643
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 31.7
 203 16.9 0.0 37.6

Manual Integrations

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



#76

Chrysene-d12

Concen: 20.000 ng

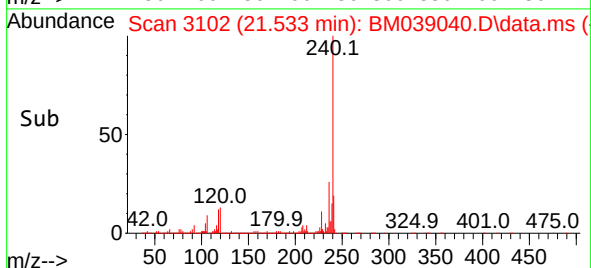
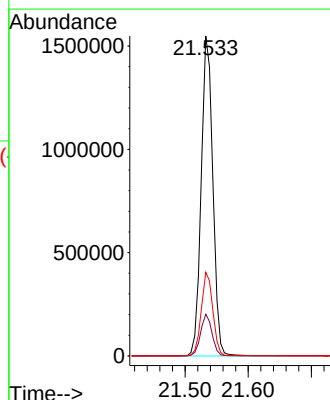
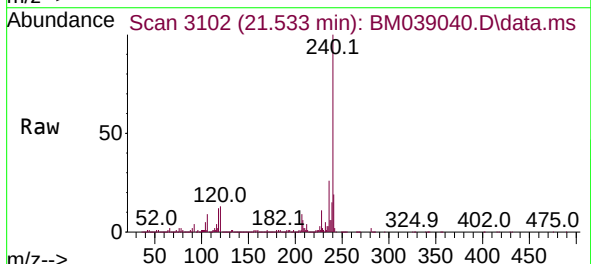
RT: 21.533 min Scan# 3102

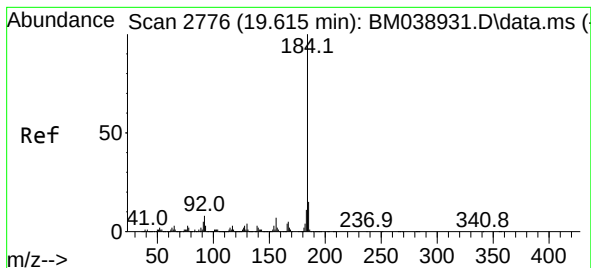
Delta R.T. -0.006 min

Lab File: BM039040.D

Acq: 20 Mar 2023 12:15

Tgt Ion:240 Resp: 1982159
 Ion Ratio Lower Upper
 240 100
 120 13.0 9.2 13.8
 236 26.1 20.8 31.2





#77

Benzidine

Concen: 13.535 ng

RT: 19.598 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039040.D

Acq: 20 Mar 2023 12:15

Instrument :

BNA_M

ClientSampleId :

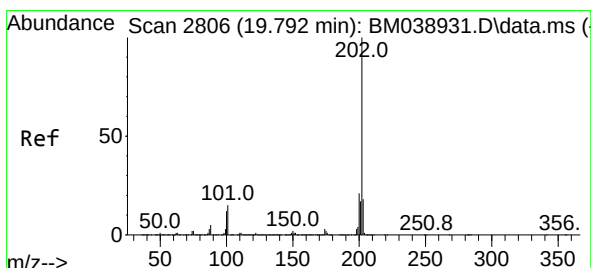
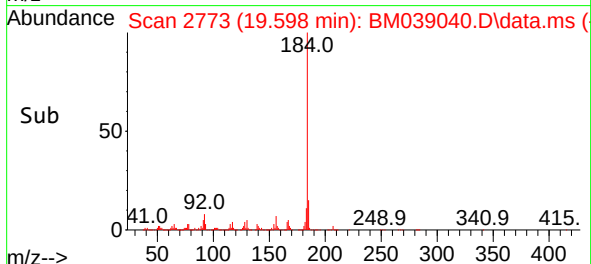
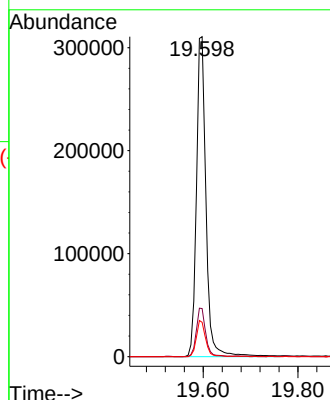
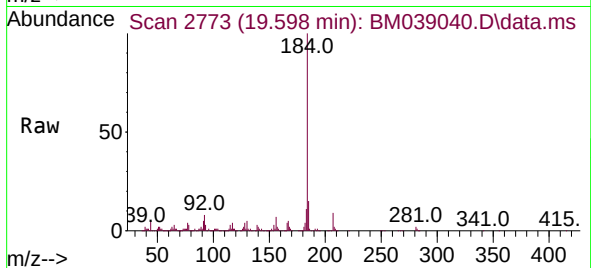
MDL-SOIL-03-QT1-2022

Tgt Ion:184 Resp: 435464
 Ion Ratio Lower Upper
 184 100
 185 15.0 12.2 18.4
 183 10.8 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: 6.141 ng

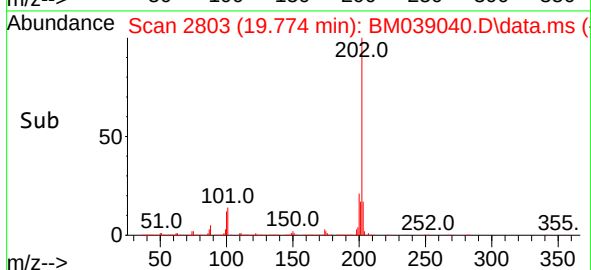
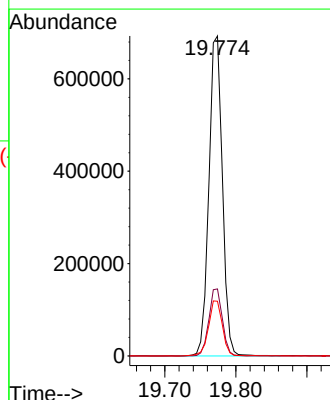
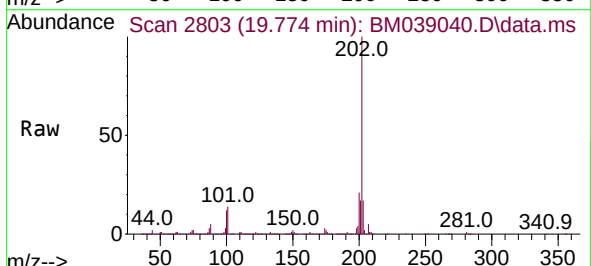
RT: 19.774 min Scan# 2803

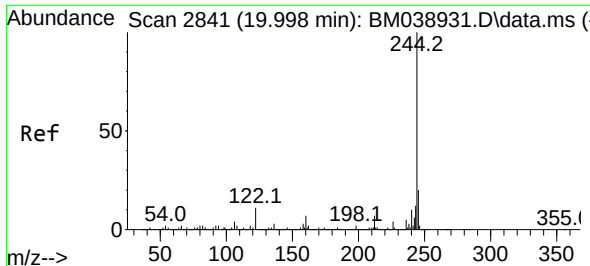
Delta R.T. -0.006 min

Lab File: BM039040.D

Acq: 20 Mar 2023 12:15

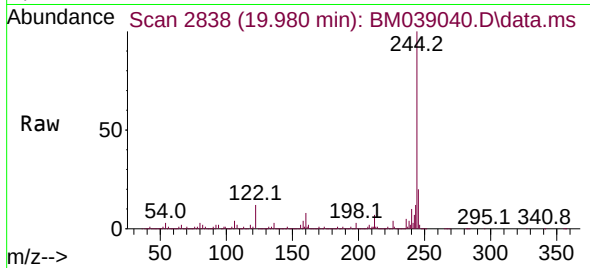
Tgt Ion:202 Resp: 914254
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.1 25.7
 203 17.1 14.1 21.1





#79
 Terphenyl-d14
 Concen: 76.304 ng
 RT: 19.980 min Scan# 2841
 Delta R.T. 0.000 min
 Lab File: BM039040.D
 Acq: 20 Mar 2023 12:15

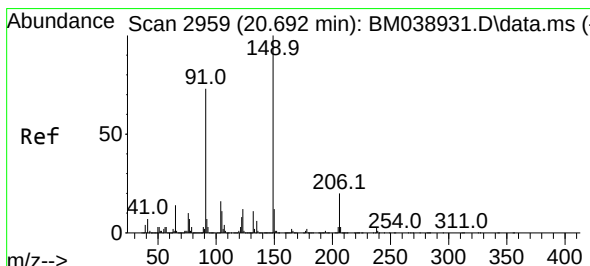
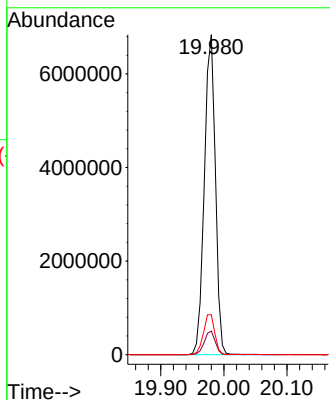
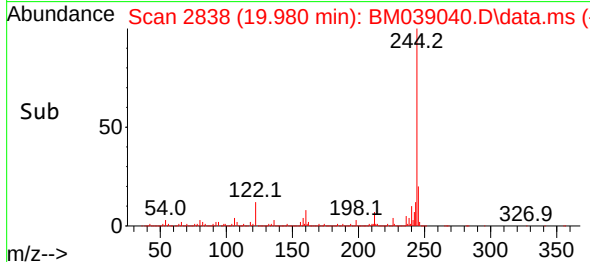
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2022



Tgt Ion:244 Resp: 8272389
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.5 8.3
 122 12.5 9.0 13.4

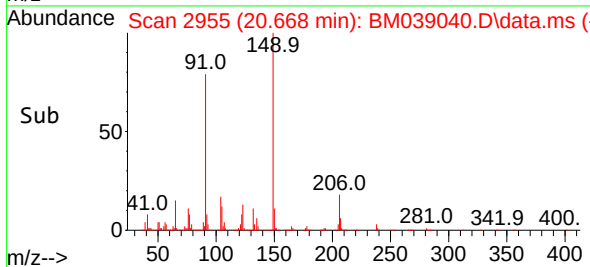
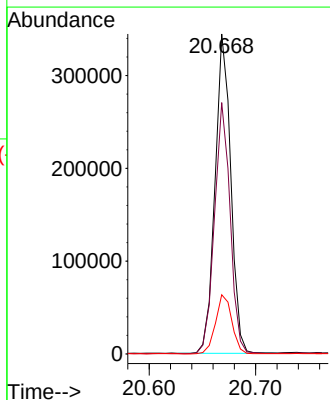
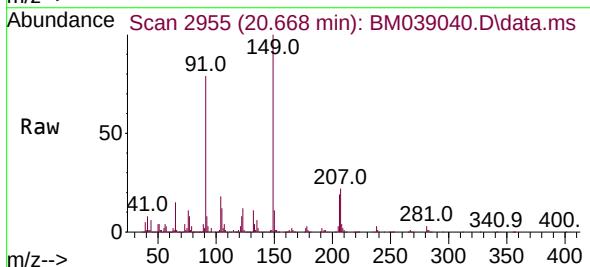
Manual Integrations
 APPROVED

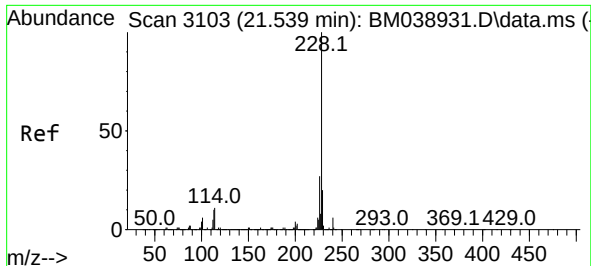
Reviewed By :Christian Giraldo 03/21/2023
 Supervised By :Jagrut Upadhyay 03/21/2023



#80
 Butylbenzylphthalate
 Concen: 8.518 ng
 RT: 20.668 min Scan# 2955
 Delta R.T. -0.006 min
 Lab File: BM039040.D
 Acq: 20 Mar 2023 12:15

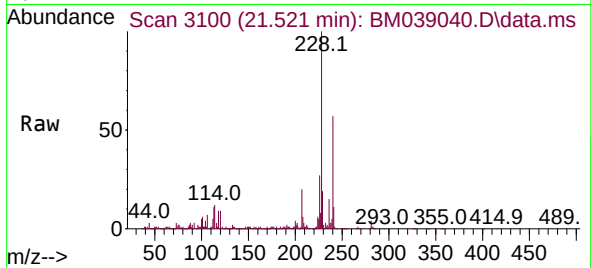
Tgt Ion:149 Resp: 353724
 Ion Ratio Lower Upper
 149 100
 91 78.5 58.4 87.6
 206 18.5 16.1 24.1





#81
Benzo(a)anthracene
Concen: 6.440 ng
RT: 21.521 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

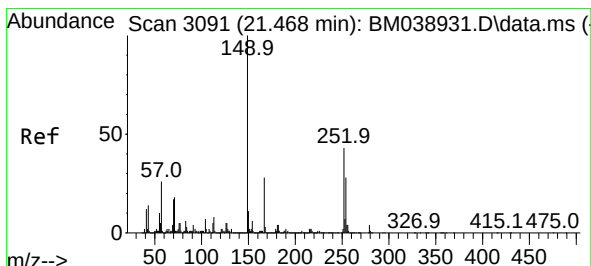
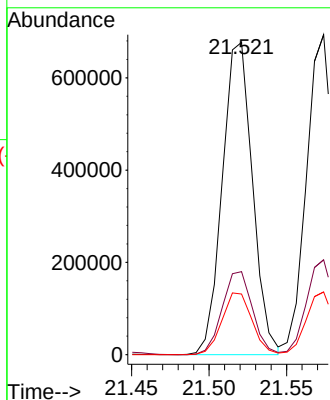
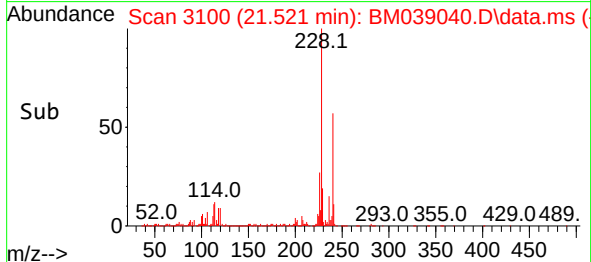
Instrument : BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



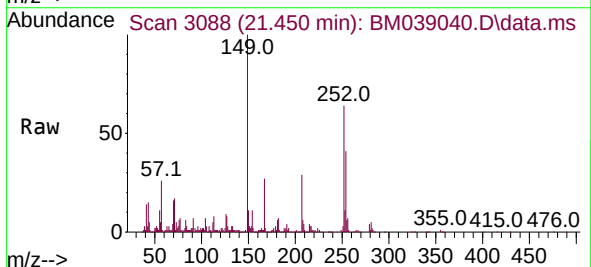
Tgt Ion:228 Resp: 919245
Ion Ratio Lower Upper
228 100
226 26.6 21.4 32.2
229 19.4 15.7 23.5

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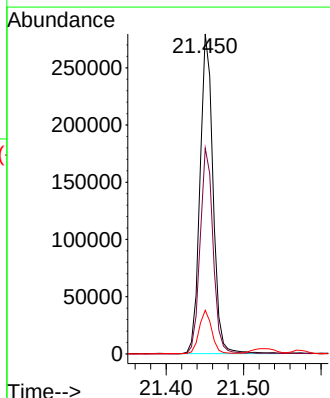
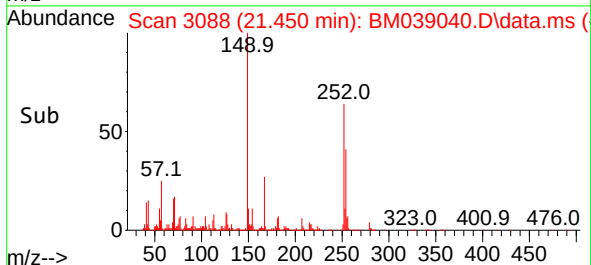
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

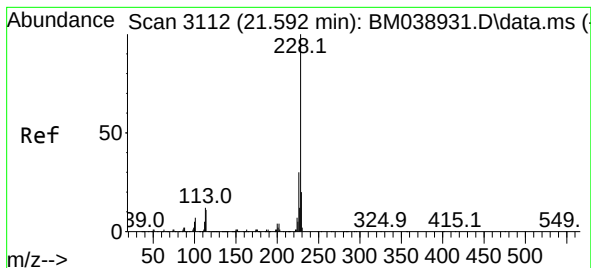


#82
3,3'-Dichlorobenzidine
Concen: 7.430 ng
RT: 21.450 min Scan# 3088
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15



Tgt Ion:252 Resp: 325973
Ion Ratio Lower Upper
252 100
254 64.3 51.5 77.3
126 13.6 9.9 14.9





#83

Chrysene

Concen: 6.393 ng

RT: 21.574 min Scan# 3112

Delta R.T. -0.006 min

Lab File: BM039040.D

Acq: 20 Mar 2023 12:15

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2022

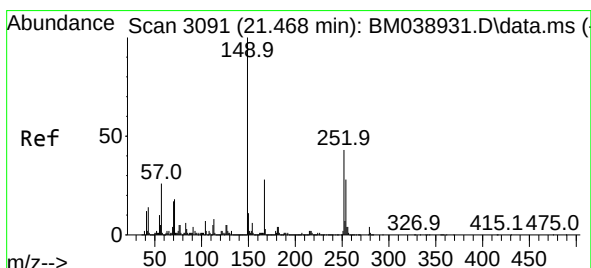
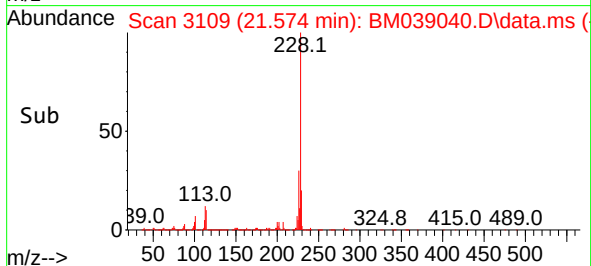
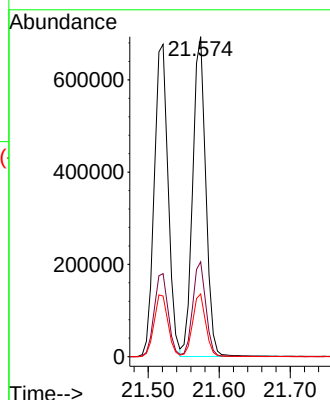
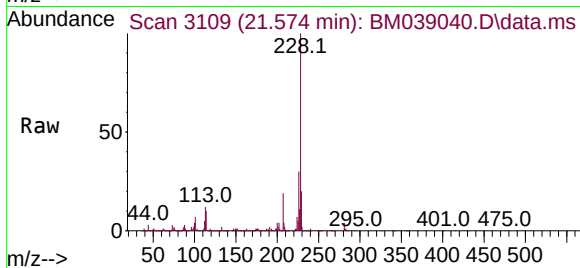
Tgt Ion:	228	Resp:	887515
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.0	36.0
229	19.6	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/21/2023

Supervised By :Jagrut Upadhyay 03/21/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.126 ng

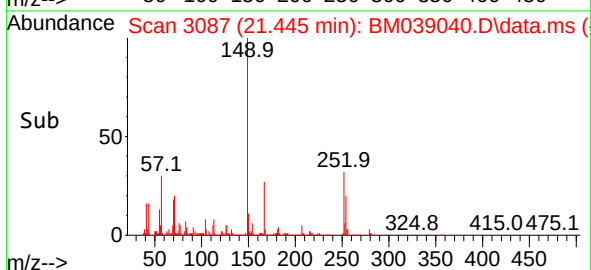
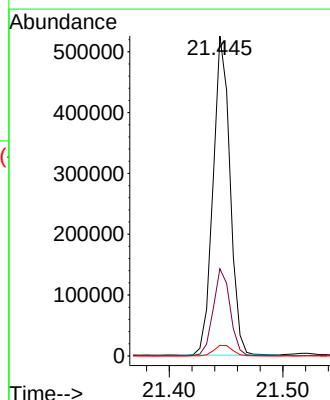
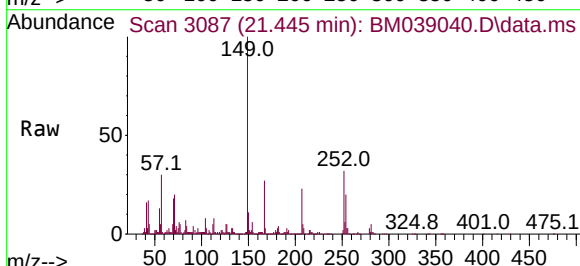
RT: 21.445 min Scan# 3087

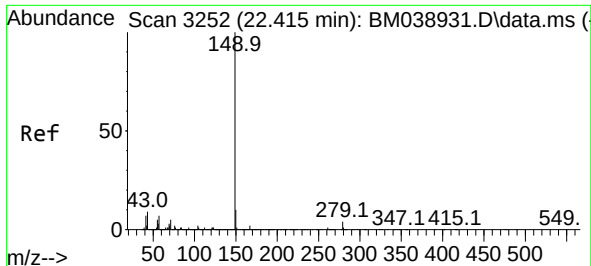
Delta R.T. -0.006 min

Lab File: BM039040.D

Acq: 20 Mar 2023 12:15

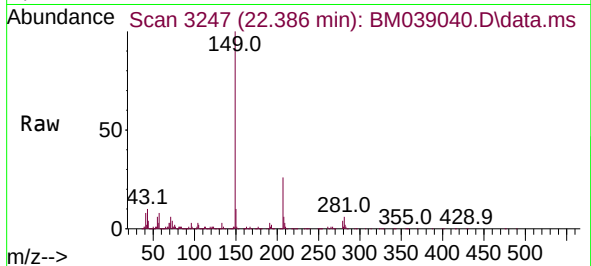
Tgt Ion:	149	Resp:	544532
Ion Ratio	Lower	Upper	
149	100		
167	27.2	22.3	33.5
279	3.3	3.2	4.8





#85
Di-n-octyl phthalate
Concen: 9.123 ng
RT: 22.386 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

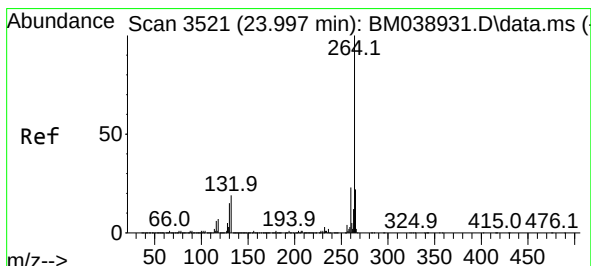
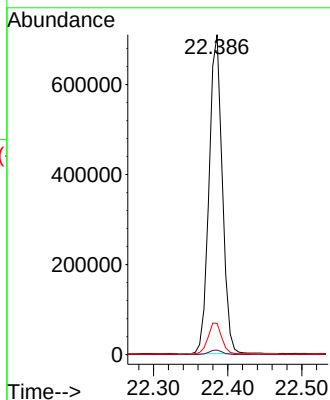
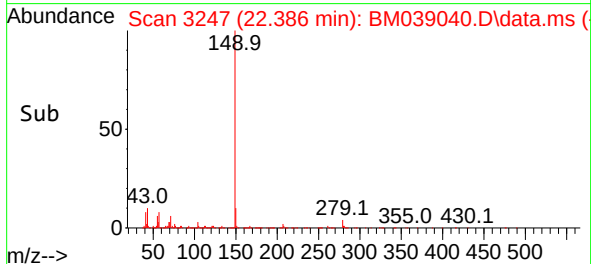
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:149 Resp: 878512
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 10.1 7.4 11.2

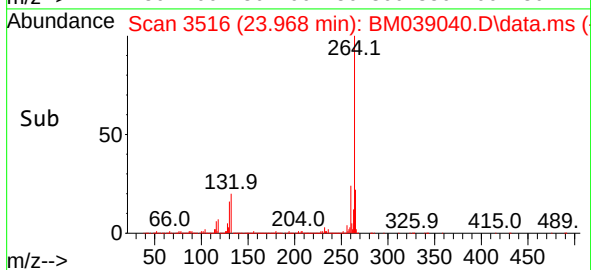
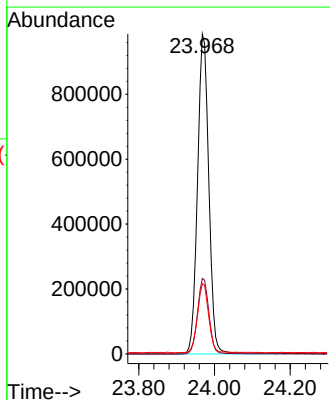
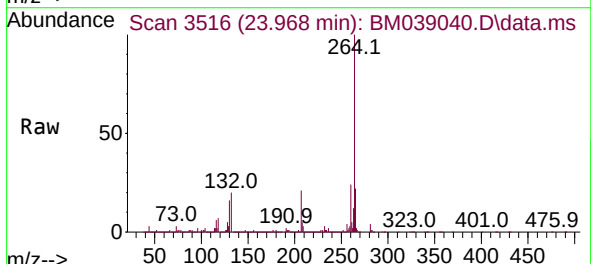
Manual Integrations
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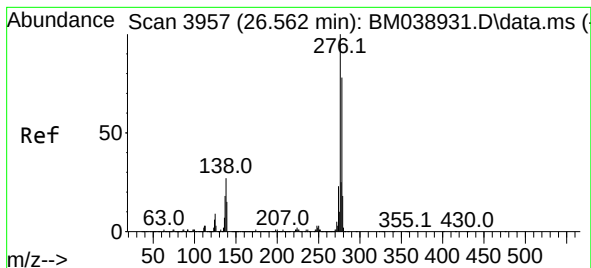
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.968 min Scan# 3516
Delta R.T. -0.012 min
Lab File: BM039040.D
Acq: 20 Mar 2023 12:15

Tgt Ion:264 Resp: 2022109
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 21.9 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.903 ng

RT: 26.497 min Scan# 3957

Delta R.T. -0.023 min

Lab File: BM039040.D

Acq: 20 Mar 2023 12:15

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:276 Resp: 90826

Ion Ratio Lower Upper

276 100

138 30.1 22.1 33.1

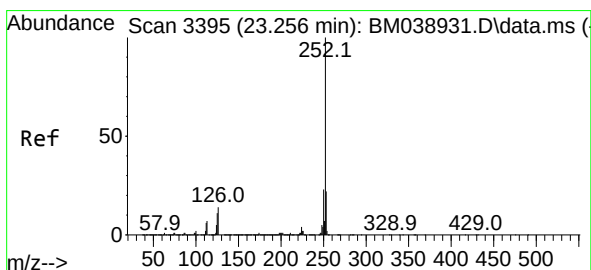
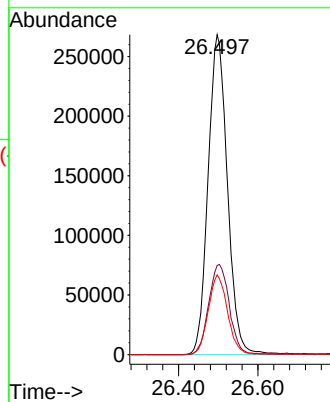
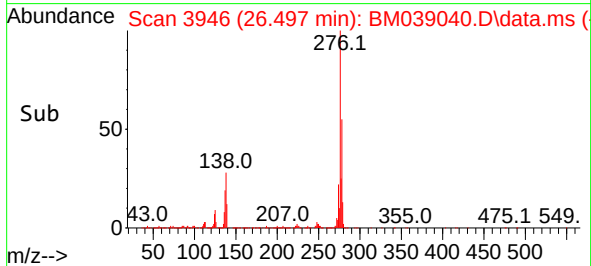
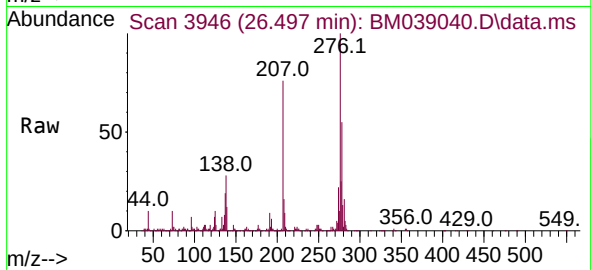
277 25.0 20.1 30.1

Manual Integrations

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Reviewed By :Christian Giraldo 03/21/2023

Supervised By :Jagrut Upadhyay 03/21/2023



#88

Benzo(b)fluoranthene

Concen: 6.885 ng

RT: 23.221 min Scan# 3389

Delta R.T. -0.018 min

Lab File: BM039040.D

Acq: 20 Mar 2023 12:15

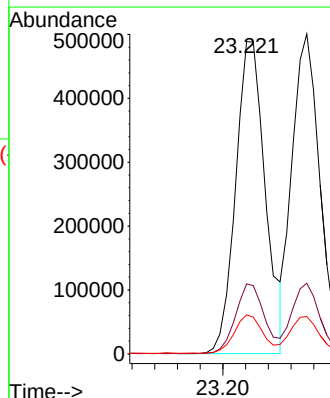
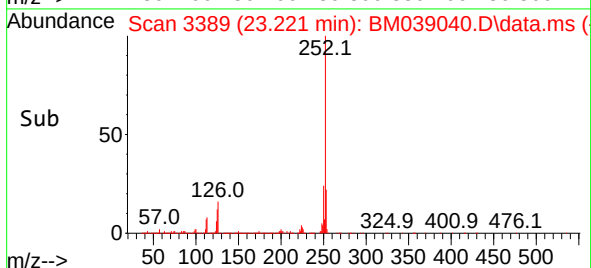
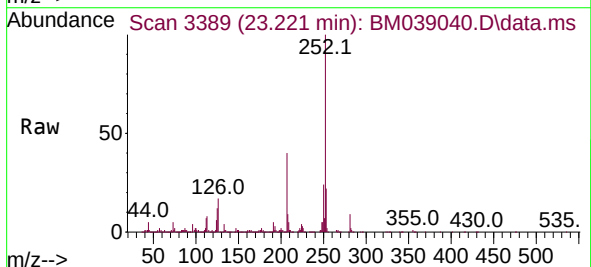
Tgt Ion:252 Resp: 889388

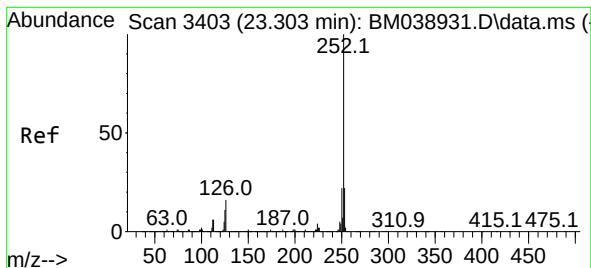
Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 12.5 8.8 13.2





#89

Benzo(k)fluoranthene

Concen: 6.345 ng

RT: 23.274 min Scan# 3403

Delta R.T. -0.012 min

Lab File: BM039040.D

Acq: 20 Mar 2023 12:15

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:252 Resp: 853066

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

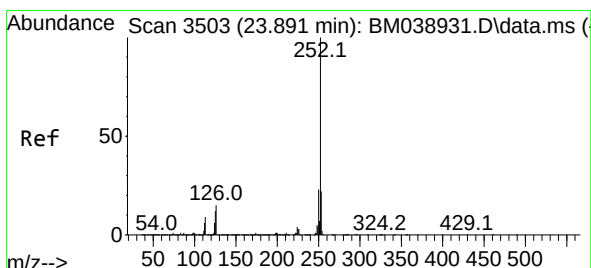
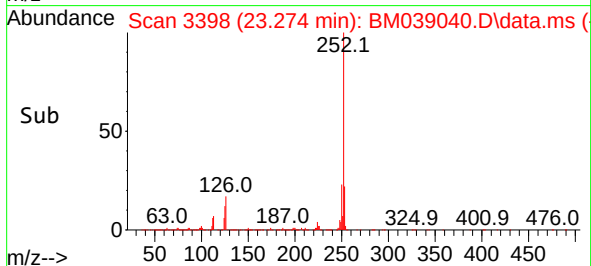
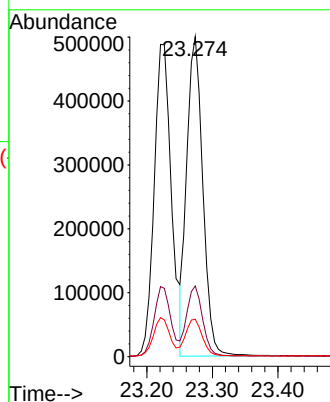
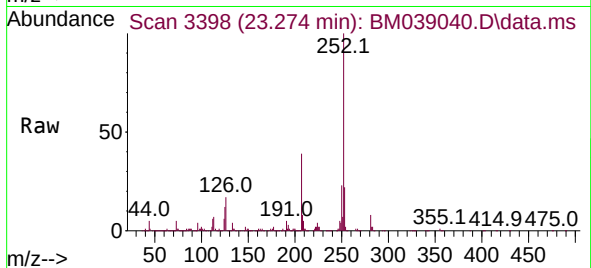
125 11.7 8.9 13.3

Manual Integrations

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Reviewed By :Christian Giraldo 03/21/2023

Supervised By :Jagrut Upadhyay 03/21/2023



#90

Benzo(a)pyrene

Concen: 5.815 ng

RT: 23.862 min Scan# 3498

Delta R.T. -0.012 min

Lab File: BM039040.D

Acq: 20 Mar 2023 12:15

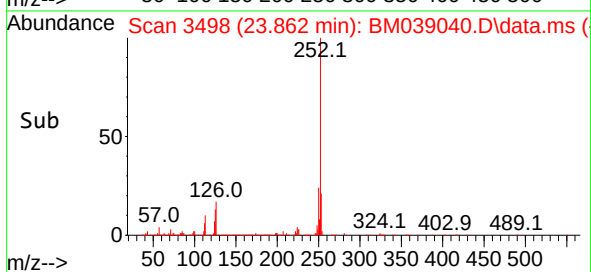
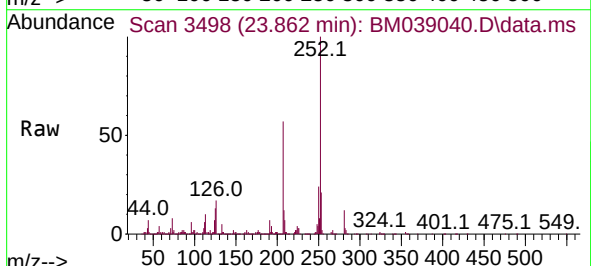
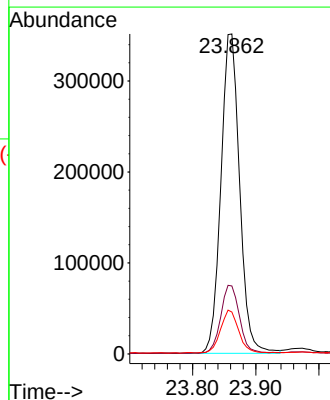
Tgt Ion:252 Resp: 722977

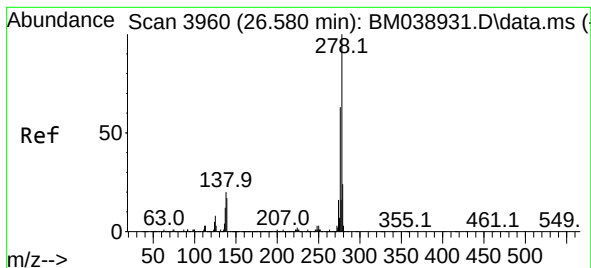
Ion Ratio Lower Upper

252 100

253 21.2 17.6 26.4

125 13.1 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 5.920 ng

RT: 26.515 min Scan# 39

Delta R.T. -0.023 min

Lab File: BM039040.D

Acq: 20 Mar 2023 12:15

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2022

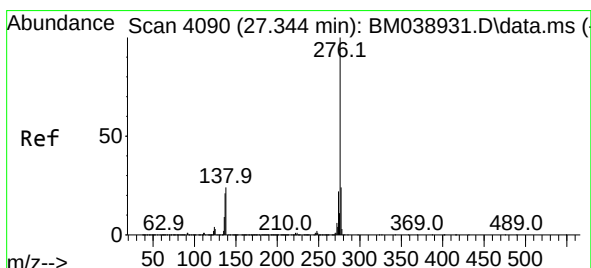
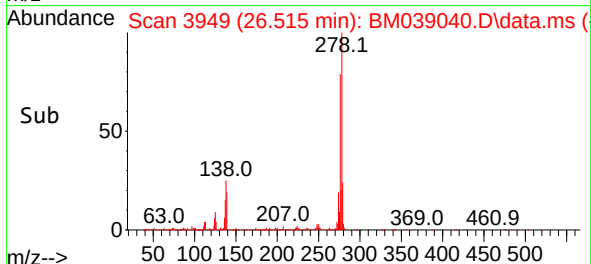
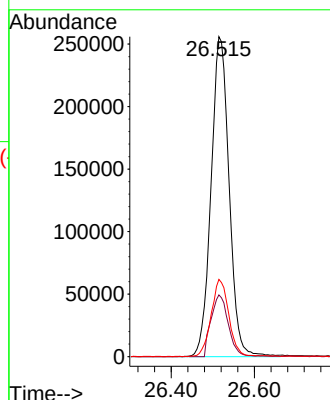
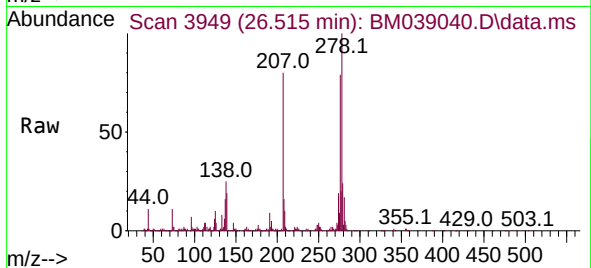
Tgt Ion:	278	Resp:	771432
Ion Ratio	Lower	Upper	
278	100		
139	19.3	13.7	20.5
279	24.1	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/21/2023

Supervised By :Jagrut Upadhyay 03/21/2023



#92

Benzo(g,h,i)perylene

Concen: 5.667 ng

RT: 27.274 min Scan# 4078

Delta R.T. -0.029 min

Lab File: BM039040.D

Acq: 20 Mar 2023 12:15

Tgt Ion:	276	Resp:	722499
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.3	28.9
138	25.2	19.0	28.6

