

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
 Data File : BM044058.D
 Acq On : 12 Feb 2024 15:54
 Operator : MA/JU
 Sample : 04699-03
 Misc : MDL-MDL-SOIL-4PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

Quant Time: Feb 12 16:47:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 02:42:01 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	415397	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	2043086	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1279199	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	2524660	20.000	ng	0.00
76) Chrysene-d12	21.503	240	1968145	20.000	ng	0.00
86) Perylene-d12	23.897	264	2074183	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	4021265	140.797	ng	0.00
7) Phenol-d6	7.075	99	5738710	157.921	ng	0.00
23) Nitrobenzene-d5	9.075	82	3155198	81.948	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	1868773	134.927	ng	0.00
45) 2-Fluorobiphenyl	13.180	172	7118480	78.537	ng	0.00
79) Terphenyl-d14	19.945	244	8926578	79.509	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	46925	4.140	ng	99
3) Pyridine	3.793	79	115840	3.871	ng	96
4) n-Nitrosodimethylamine	3.710	42	46545	4.099	ng	# 91
6) Aniline	7.239	93	183178	5.127	ng	95
8) 2-Chlorophenol	7.463	128	116629	3.910	ng	95
9) Benzaldehyde	7.051	77	105579m	5.654	ng	
10) Phenol	7.098	94	174049	4.746	ng	91
11) bis(2-Chloroethyl)ether	7.339	93	129819	4.275	ng	99
12) 1,3-Dichlorobenzene	7.792	146	122794	3.626	ng	99
13) 1,4-Dichlorobenzene	7.939	146	124752	3.655	ng	98
14) 1,2-Dichlorobenzene	8.257	146	121064	3.722	ng	99
15) Benzyl Alcohol	8.151	79	109688m	4.636	ng	
16) 2,2'-oxybis(1-Chloropr...	8.439	45	179437	4.661	ng	98
17) 2-Methylphenol	8.351	107	102980	4.278	ng	98
18) Hexachloroethane	8.975	117	45065	3.526	ng	98
19) n-Nitroso-di-n-propyla...	8.722	70	106965	4.794	ng	98
20) 3+4-Methylphenols	8.681	107	140143	4.230	ng	97
22) Acetophenone	8.733	105	212531	4.098	ng	# 96
24) Nitrobenzene	9.116	77	157621	3.998	ng	98
25) Isophorone	9.639	82	277735	3.746	ng	99
26) 2-Nitrophenol	9.828	139	56729	3.103	ng	99
27) 2,4-Dimethylphenol	9.886	122	101205	4.330	ng	100
28) bis(2-Chloroethoxy)met...	10.133	93	190927	3.982	ng	99
29) 2,4-Dichlorophenol	10.351	162	107997	3.509	ng	97
30) 1,2,4-Trichlorobenzene	10.569	180	121524	3.512	ng	98
31) Naphthalene	10.757	128	414367	3.675	ng	99
32) Benzoic acid	9.945	122	46345m	1.968	ng	
33) 4-Chloroaniline	10.880	127	168667	3.950	ng	99
34) Hexachlorobutadiene	11.033	225	68008	3.434	ng	94
35) Caprolactam	11.645	113	30318	3.062	ng	96
36) 4-Chloro-3-methylphenol	11.998	107	114021	3.422	ng	99
37) 2-Methylnaphthalene	12.369	142	286491	3.814	ng	99
38) 1-Methylnaphthalene	12.586	142	280083	3.795	ng	99
40) 1,2,4,5-Tetrachloroben...	12.733	216	139101	3.741	ng	99
41) Hexachlorocyclopentadiene	12.704	237	61169	3.770	ng	96
43) 2,4,6-Trichlorophenol	12.980	196	77235	3.052	ng	99

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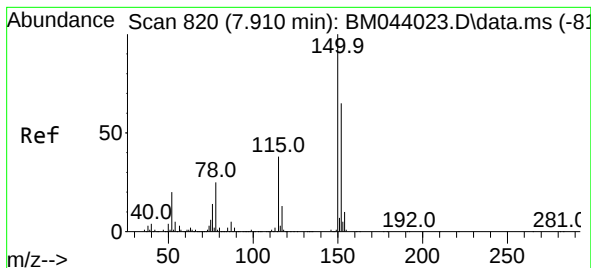
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	87766	3.161	ng	95
46) 1,1'-Biphenyl	13.386	154	384946	3.814	ng	99
47) 2-Chloronaphthalene	13.421	162	290106	3.628	ng	98
48) 2-Nitroaniline	13.633	65	68254	3.034	ng	92
49) Acenaphthylene	14.268	152	465605	3.903	ng	100
50) Dimethylphthalate	14.016	163	350758	3.698	ng	99
51) 2,6-Dinitrotoluene	14.139	165	64862	3.100	ng	94
52) Acenaphthene	14.610	154	270688	3.666	ng	98
53) 3-Nitroaniline	14.463	138	65048	2.892	ng	93
54) 2,4-Dinitrophenol	14.668	184	19686	7.046	ng	93
55) Dibenzofuran	14.945	168	444984	3.894	ng	99
56) 4-Nitrophenol	14.768	139	42665	2.334	ng	83
57) 2,4-Dinitrotoluene	14.921	165	76298	2.790	ng	# 92
58) Fluorene	15.598	166	343449	3.890	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.174	232	75064	3.445	ng	99
60) Diethylphthalate	15.380	149	341352	3.482	ng	99
61) 4-Chlorophenyl-phenyle...	15.598	204	165830	3.876	ng	99
62) 4-Nitroaniline	15.627	138	58738	2.595	ng	97
63) Azobenzene	15.892	77	324656	3.530	ng	97
65) 4,6-Dinitro-2-methylph...	15.680	198	31188	2.073	ng	97
66) n-Nitrosodiphenylamine	15.815	169	279804	3.648	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	86051	3.447	ng	97
68) Hexachlorobenzene	16.592	284	112748	3.687	ng	99
69) Atrazine	16.774	200	85955	4.139	ng	98
70) Pentachlorophenol	16.945	266	48964	2.462	ng	95
71) Phenanthrene	17.339	178	520721	3.906	ng	100
72) Anthracene	17.433	178	491982	3.728	ng	98
73) Carbazole	17.709	167	442093	3.444	ng	99
74) Di-n-butylphthalate	18.286	149	508941	3.050	ng	98
75) Fluoranthene	19.362	202	520218	3.474	ng	99
77) Benzidine	19.562	184	28659m	0.937	ng	
78) Pyrene	19.727	202	539383	3.558	ng	99
80) Butylbenzylphthalate	20.650	149	177217	2.630	ng	97
81) Benzo(a)anthracene	21.486	228	497976	3.637	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	139104	3.097	ng	99
83) Chrysene	21.539	228	473679	3.662	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	271154	2.728	ng	99
85) Di-n-octyl phthalate	22.374	149	405954	2.338	ng	96
87) Indeno(1,2,3-cd)pyrene	26.374	276	499510	3.403	ng	100
88) Benzo(b)fluoranthene	23.168	252	463221	3.573	ng	99
89) Benzo(k)fluoranthene	23.215	252	439661	3.569	ng	99
90) Benzo(a)pyrene	23.785	252	376498	3.324	ng	99
91) Dibenzo(a,h)anthracene	26.397	278	423531	3.449	ng	99
92) Benzo(g,h,i)perylene	27.138	276	411535	3.305	ng	98

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



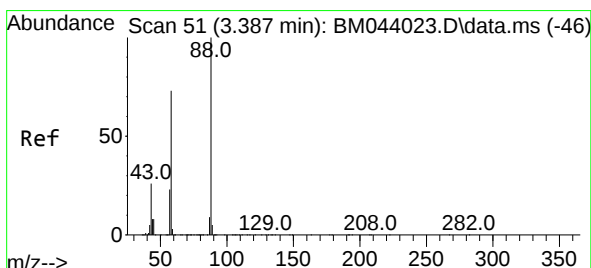
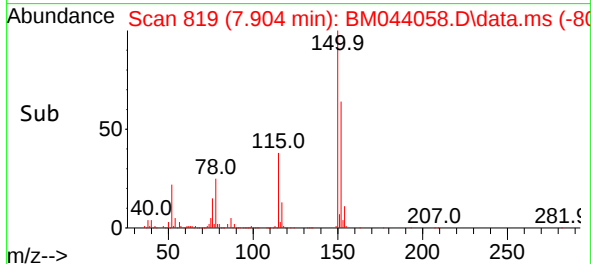
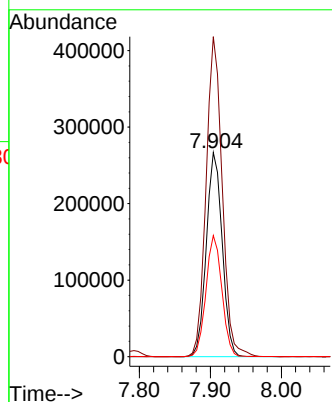
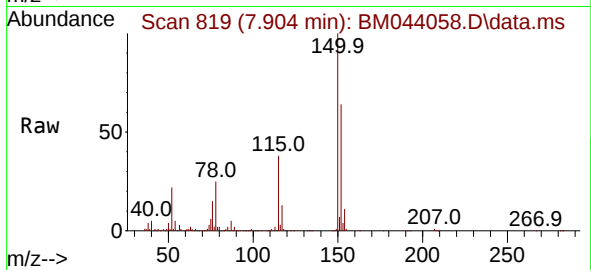
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion:152 Resp: 41539
Ion Ratio Lower Upper
152 100
150 156.7 122.7 184.1
115 59.3 47.0 70.6

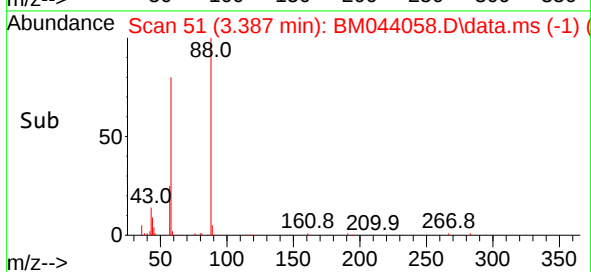
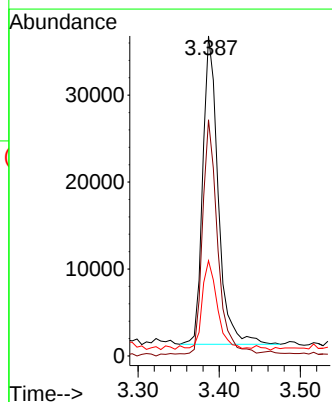
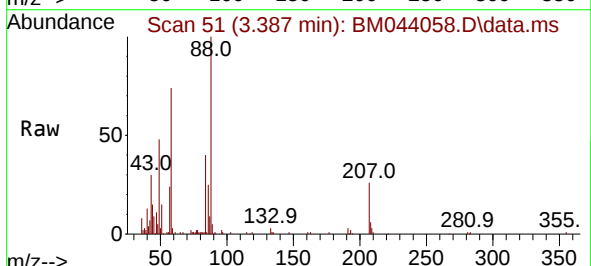
Manual Integrations
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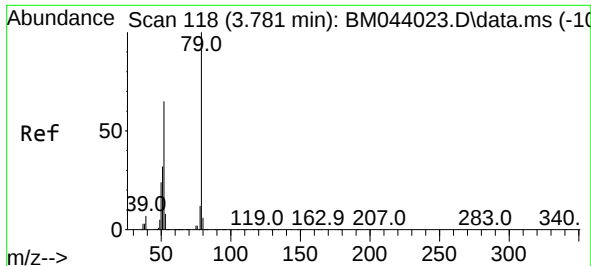
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#2
1,4-Dioxane
Concen: 4.140 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

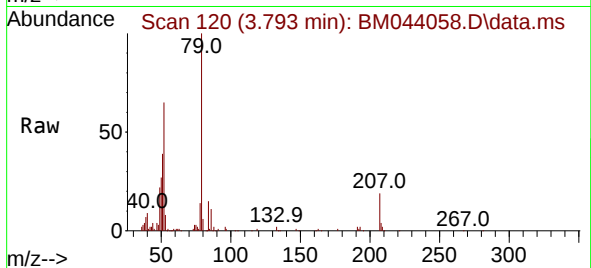
Tgt Ion: 88 Resp: 46925
Ion Ratio Lower Upper
88 100
58 73.1 58.1 87.1
43 28.3 21.1 31.7





#3
Pyridine
Concen: 3.871 ng
RT: 3.793 min Scan# 118
Delta R.T. 0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

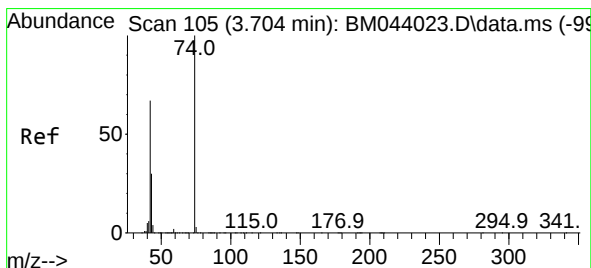
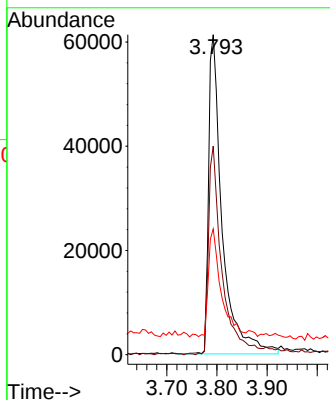
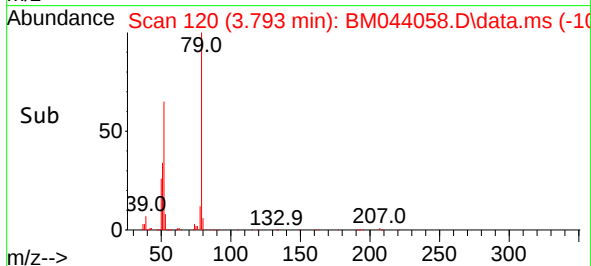
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



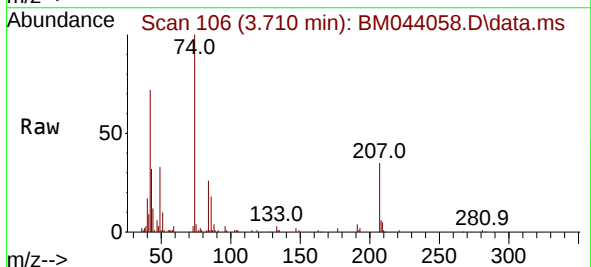
Tgt Ion: 79 Resp: 115840
Ion Ratio Lower Upper
79 100
52 65.2 52.2 78.2
51 39.3 26.2 39.4

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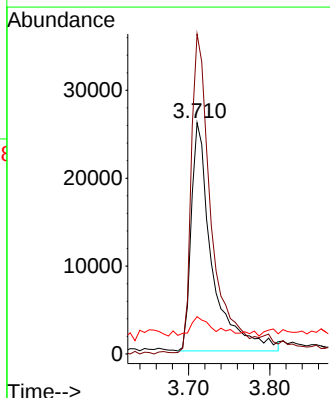
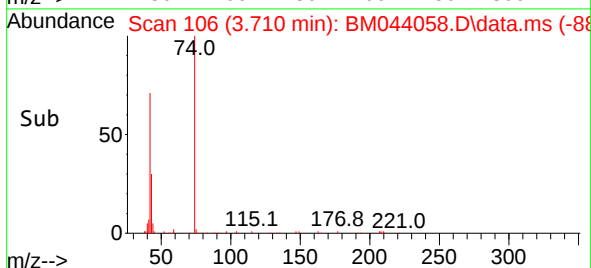
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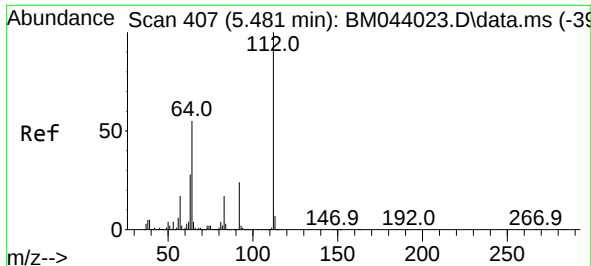


#4
n-Nitrosodimethylamine
Concen: 4.099 ng
RT: 3.710 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54



Tgt Ion: 42 Resp: 46545
Ion Ratio Lower Upper
42 100
74 138.4 118.6 178.0
44 16.1 5.6 8.4





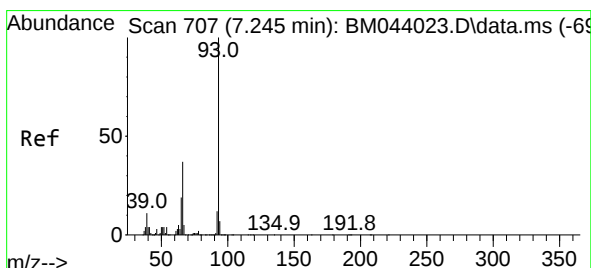
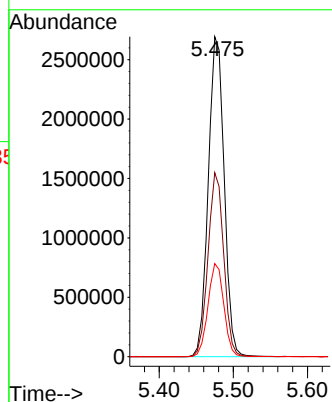
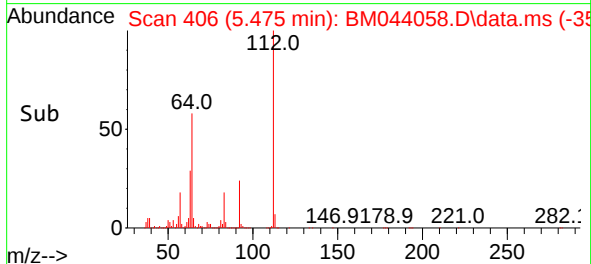
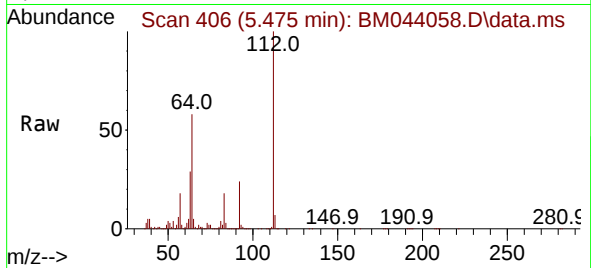
#5
2-Fluorophenol
Concen: 140.797 ng
RT: 5.475 min Scan# 407
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Instrument :
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ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion:112 Resp: 402126
Ion Ratio Lower Upper
112 100
64 57.5 44.2 66.4
63 29.1 22.6 34.0

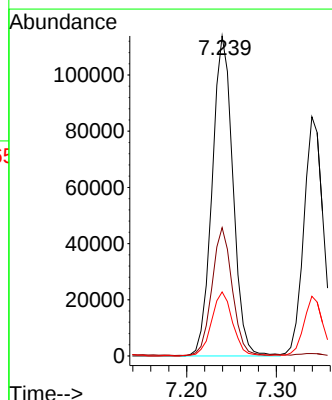
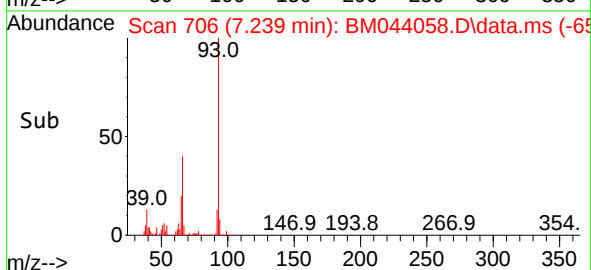
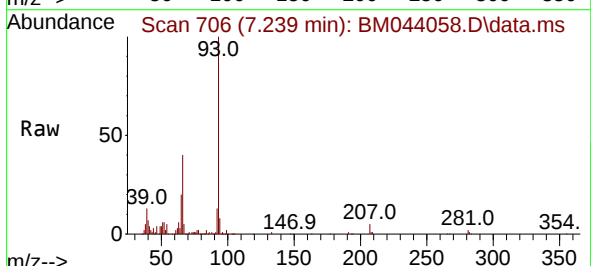
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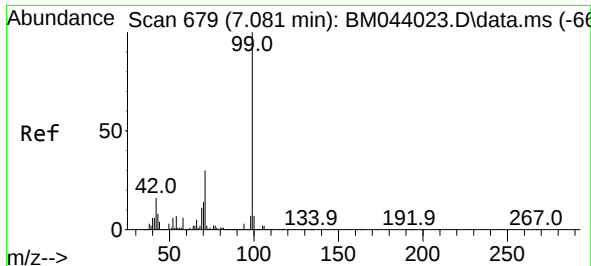
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#6
Aniline
Concen: 5.127 ng
RT: 7.239 min Scan# 706
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion: 93 Resp: 183178
Ion Ratio Lower Upper
93 100
66 40.1 29.4 44.0
65 20.0 15.2 22.8





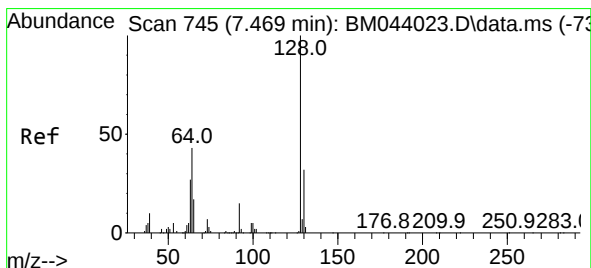
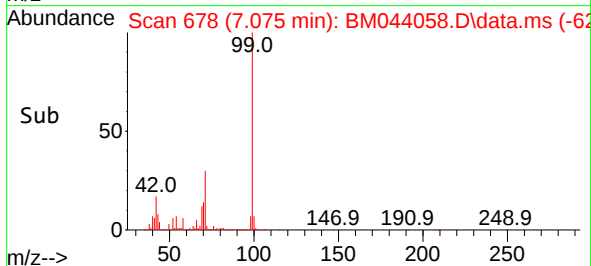
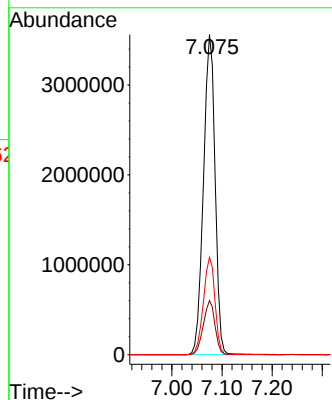
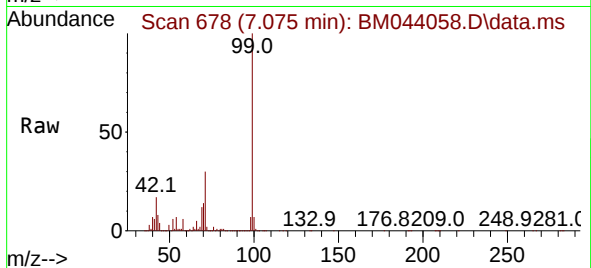
#7
Phenol-d6
Concen: 157.921 ng
RT: 7.075 min Scan# 679
Delta R.T. -0.006 min
Lab File: BM044058.D
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Tgt Ion: 99 Resp: 5738710
Ion Ratio Lower Upper
99 100
42 16.9 12.9 19.3
71 30.4 23.9 35.9

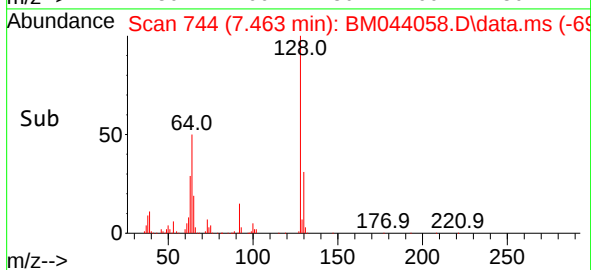
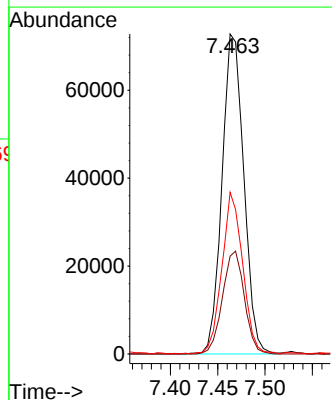
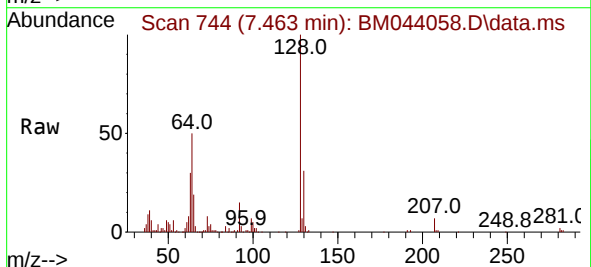
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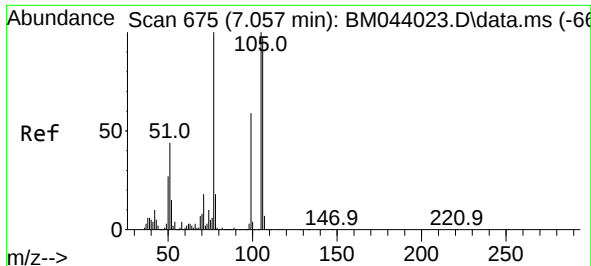
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#8
2-Chlorophenol
Concen: 3.910 ng
RT: 7.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

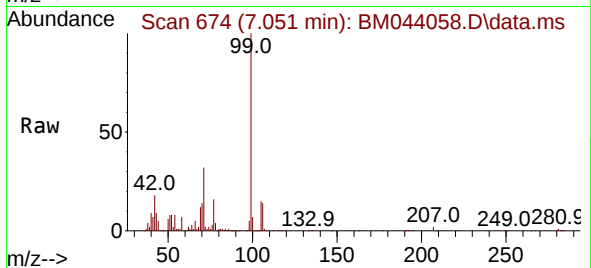
Tgt Ion:128 Resp: 116629
Ion Ratio Lower Upper
128 100
130 30.6 12.1 52.1
64 50.5 26.0 66.0





#9
Benzaldehyde
Concen: 5.654 ng m
RT: 7.051 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

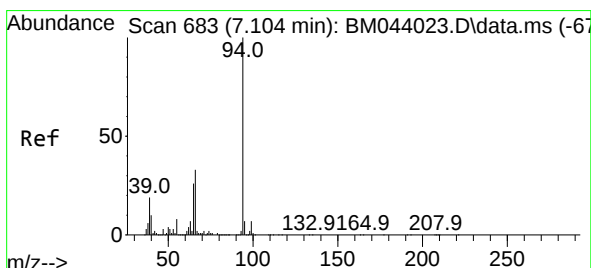
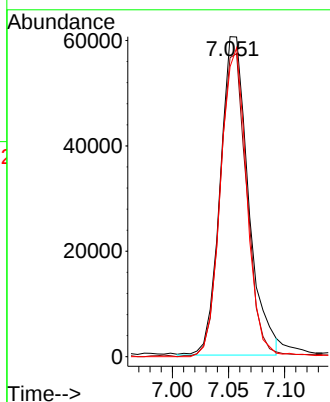
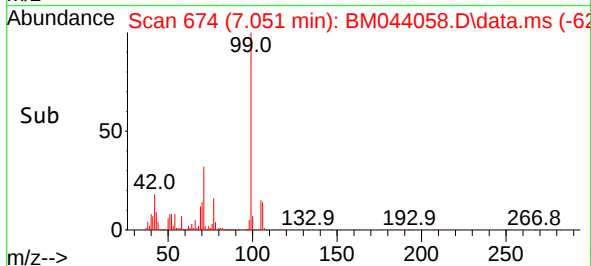
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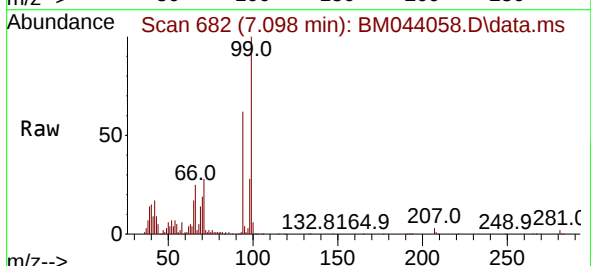
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Ion Ratio Lower Upper
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Manual Integrations
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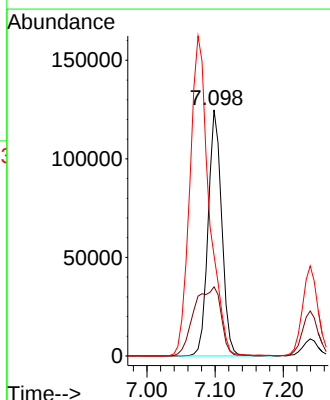
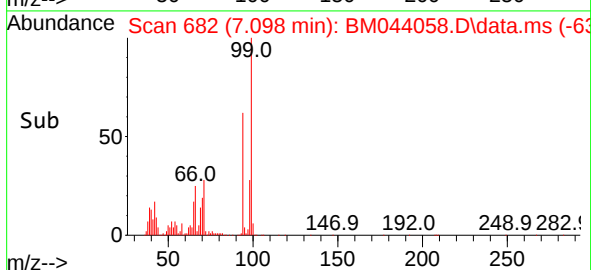
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

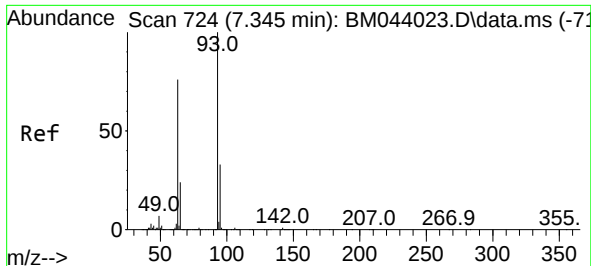


#10
Phenol
Concen: 4.746 ng
RT: 7.098 min Scan# 682
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54



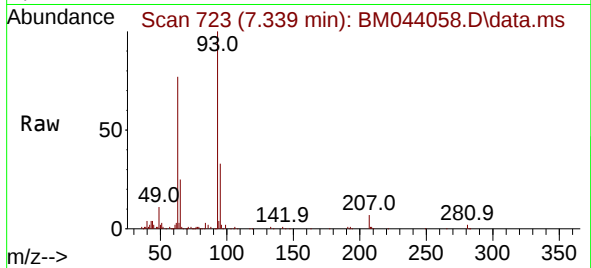
Tgt Ion: 94 Resp: 174049
Ion Ratio Lower Upper
94 100
65 28.1 6.4 46.4
66 40.8 13.2 53.2





#11
bis(2-Chloroethyl)ether
Concen: 4.275 ng
RT: 7.339 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

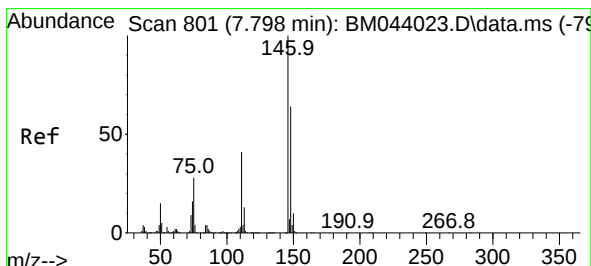
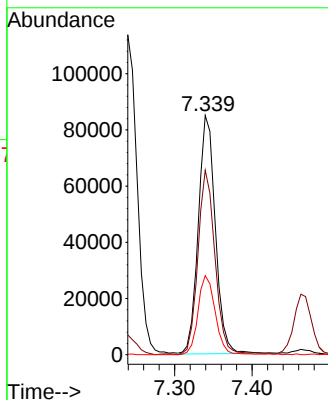
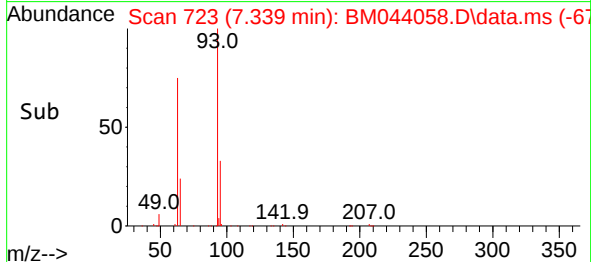
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 93 Resp: 129819
Ion Ratio Lower Upper
93 100
63 77.1 55.9 95.9
95 33.0 13.0 53.0

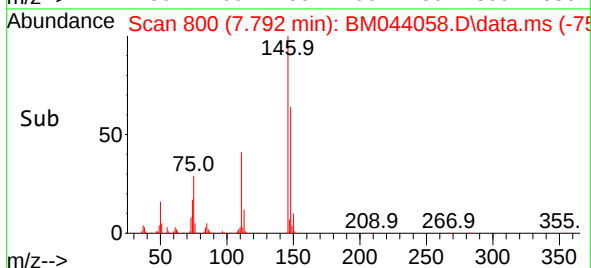
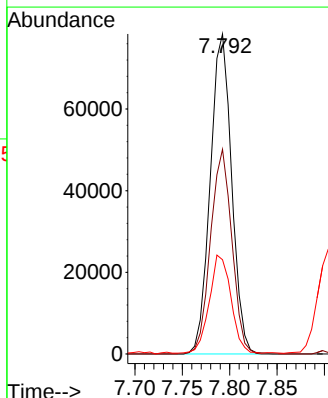
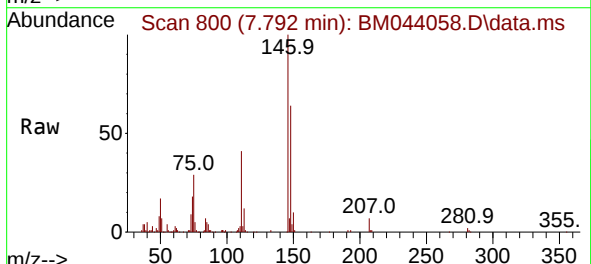
Manual Integrations
APPROVED

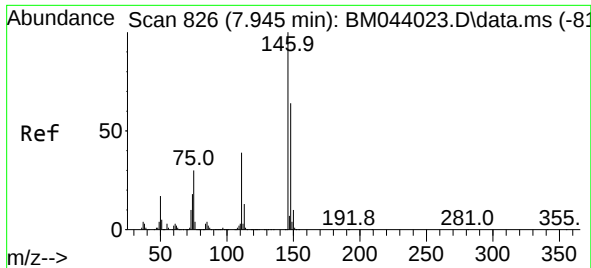
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#12
1,3-Dichlorobenzene
Concen: 3.626 ng
RT: 7.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:146 Resp: 122794
Ion Ratio Lower Upper
146 100
148 63.9 51.3 76.9
75 29.5 22.7 34.1





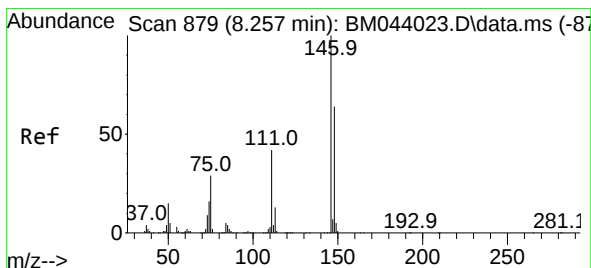
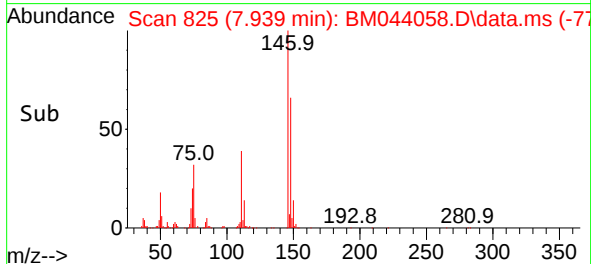
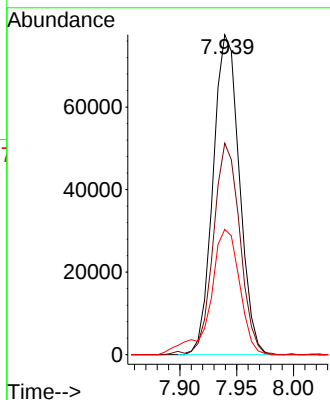
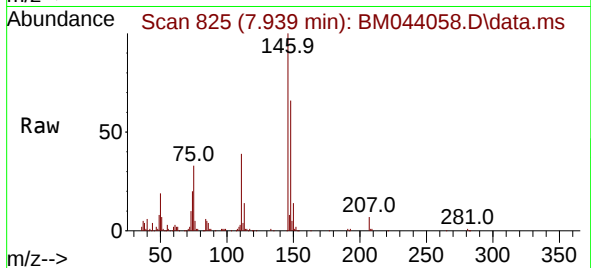
#13
1,4-Dichlorobenzene
Concen: 3.655 ng
RT: 7.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion:146 Resp: 124752
Ion Ratio Lower Upper
146 100
148 66.1 51.2 76.8
111 39.1 31.2 46.8

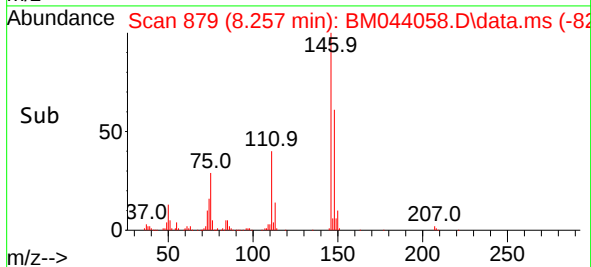
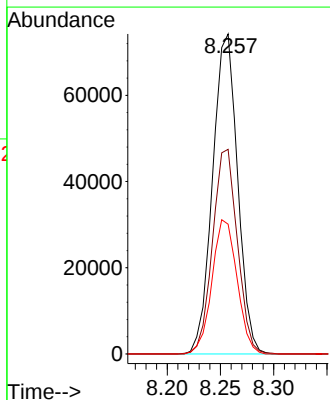
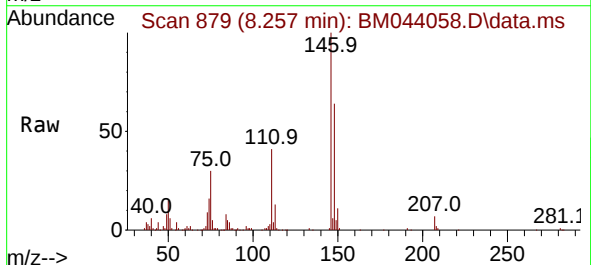
Manual Integrations
APPROVED

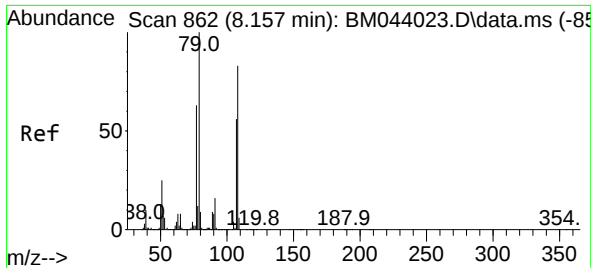
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#14
1,2-Dichlorobenzene
Concen: 3.722 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.000 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

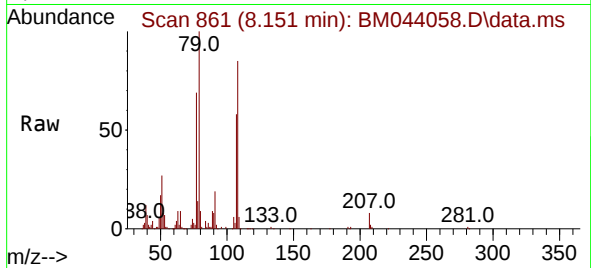
Tgt Ion:146 Resp: 121064
Ion Ratio Lower Upper
146 100
148 64.0 51.4 77.2
111 40.6 33.7 50.5





#15
Benzyl Alcohol
Concen: 4.636 ng m
RT: 8.151 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

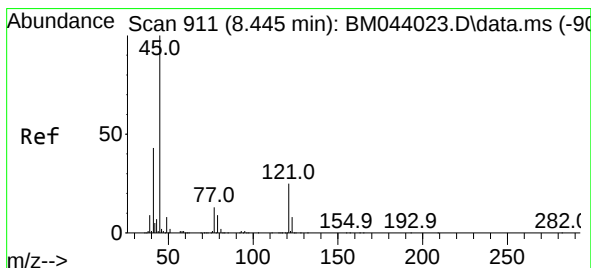
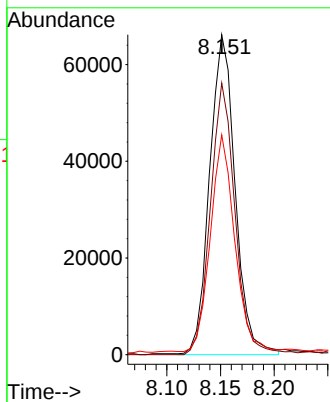
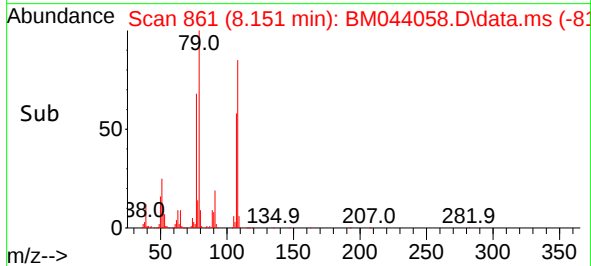
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 79 Resp: 10968
Ion Ratio Lower Upper
79 100
108 84.9 66.0 99.0
77 68.7 50.4 75.6

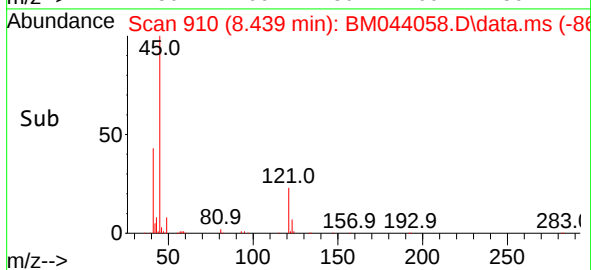
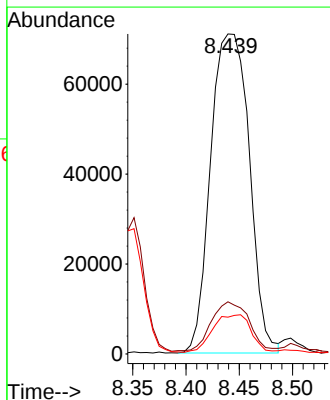
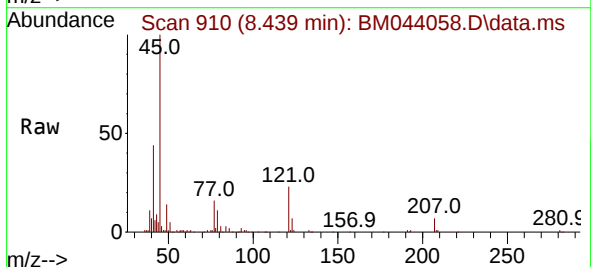
Manual Integrations
APPROVED

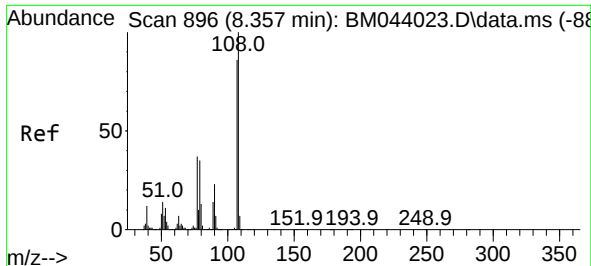
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.661 ng
RT: 8.439 min Scan# 910
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

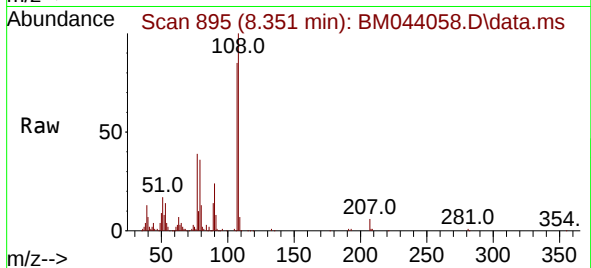
Tgt Ion: 45 Resp: 179437
Ion Ratio Lower Upper
45 100
77 16.3 0.0 35.1
79 11.5 0.0 31.5





#17
2-Methylphenol
Concen: 4.278 ng
RT: 8.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

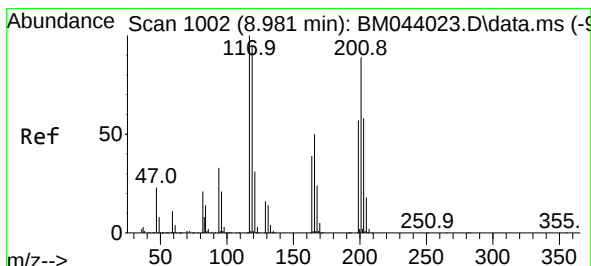
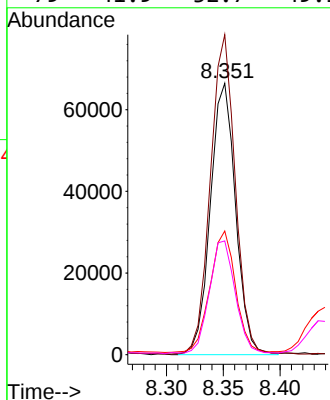
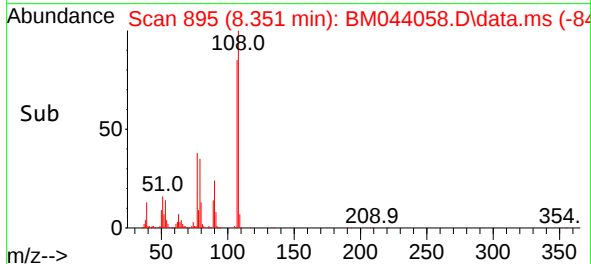
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:107 Resp: 102980
Ion Ratio Lower Upper
107 100
108 117.9 93.4 140.2
77 45.6 34.7 52.1
79 41.9 32.7 49.1

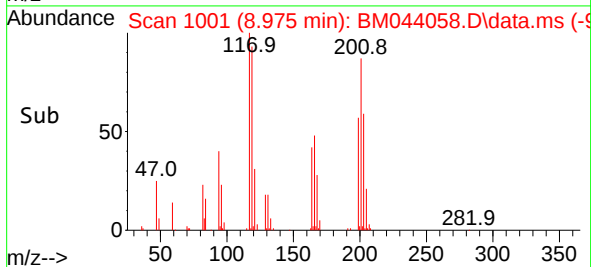
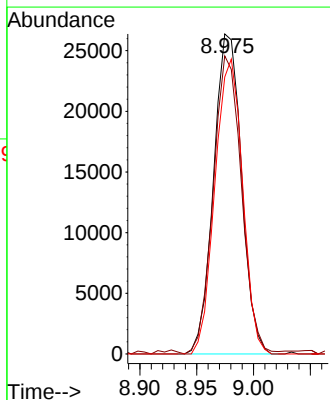
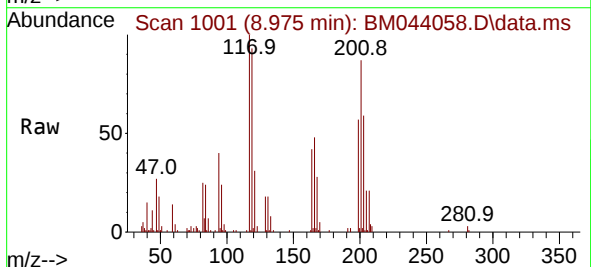
Manual Integrations
APPROVED

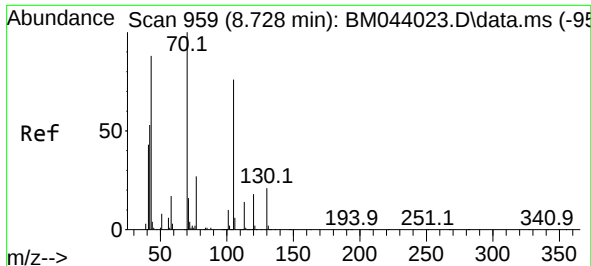
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#18
Hexachloroethane
Concen: 3.526 ng
RT: 8.975 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

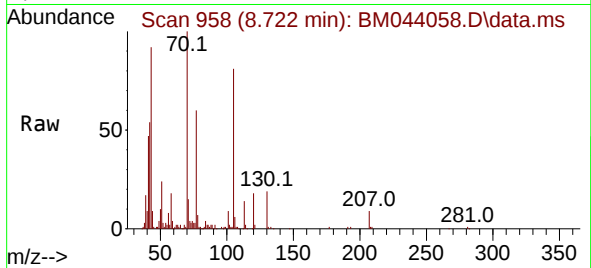
Tgt Ion:117 Resp: 45065
Ion Ratio Lower Upper
117 100
119 93.2 75.7 113.5
201 86.5 71.5 107.3





#19
n-Nitroso-di-n-propylamine
Concen: 4.794 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

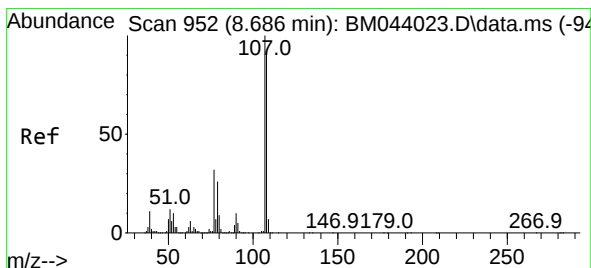
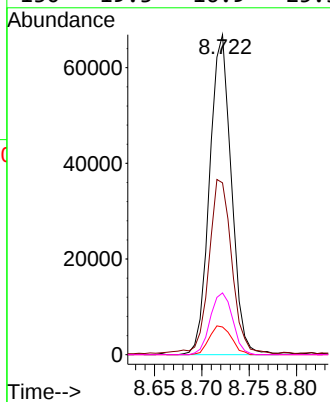
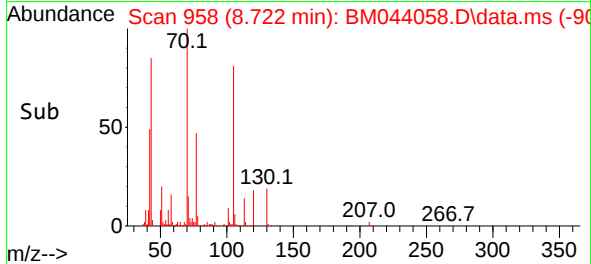
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



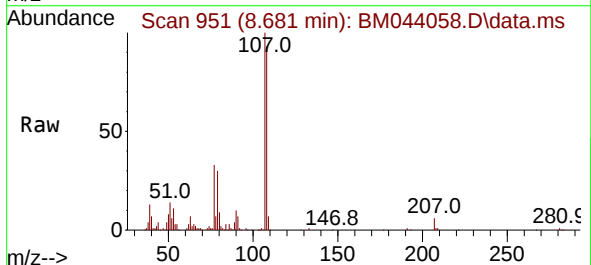
Tgt Ion: 70 Resp: 10696
Ion Ratio Lower Upper
70 100
42 53.7 42.6 64.0
101 8.6 7.8 11.6
130 19.3 16.9 25.3

Manual Integrations
APPROVED

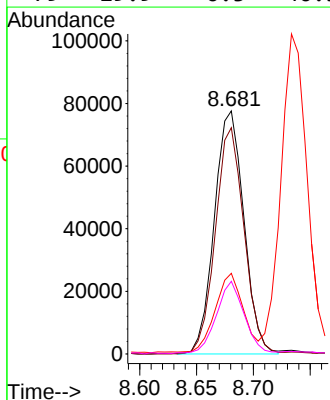
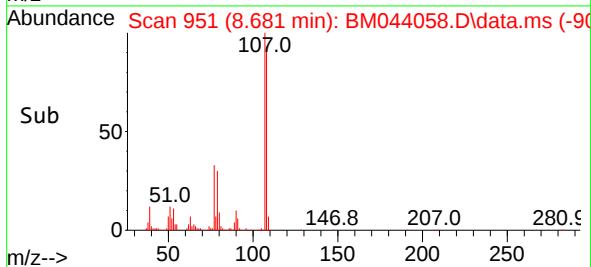
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

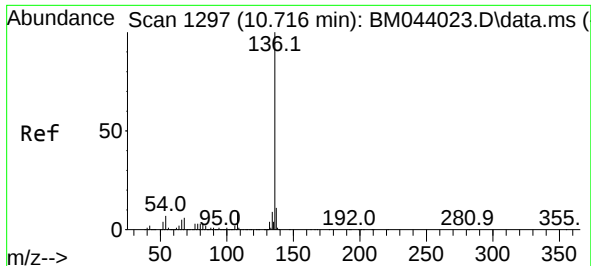


#20
3+4-Methylphenols
Concen: 4.230 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54



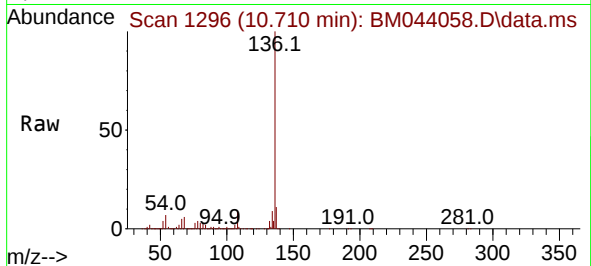
Tgt Ion:107 Resp: 140143
Ion Ratio Lower Upper
107 100
108 93.1 71.5 111.5
77 33.2 11.8 51.8
79 29.9 6.3 46.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

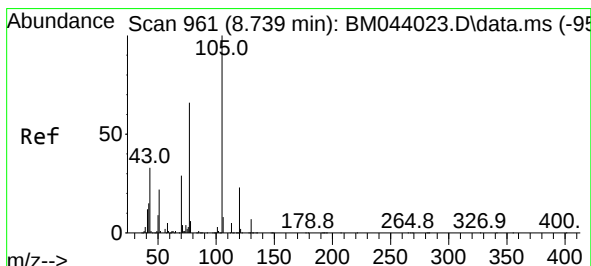
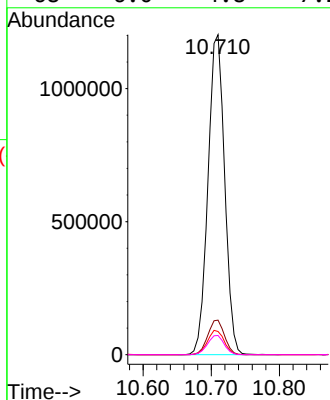
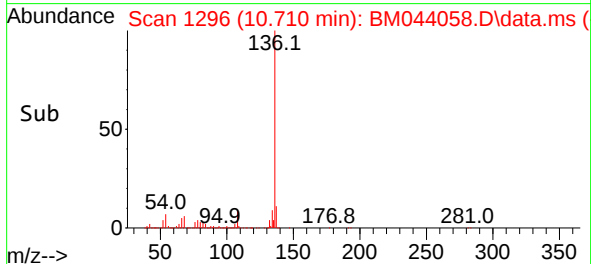
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:136 Resp: 2043086
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.3 5.9 8.9
68 6.0 4.8 7.2

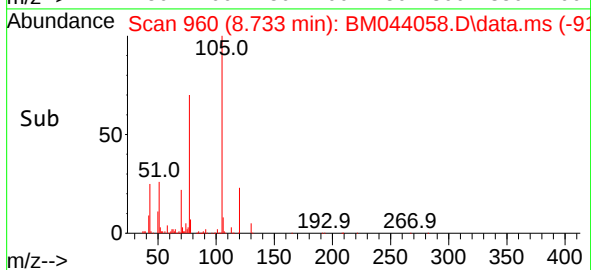
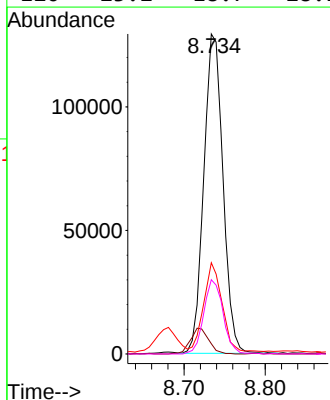
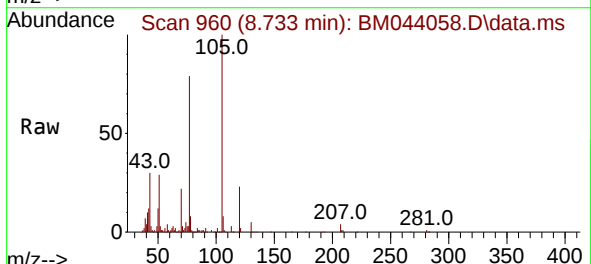
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#22
Acetophenone
Concen: 4.098 ng
RT: 8.733 min Scan# 960
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

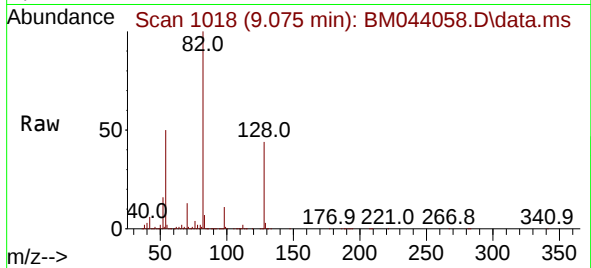
Tgt Ion:105 Resp: 212531
Ion Ratio Lower Upper
105 100
71 3.2 4.0 6.0#
51 28.5 20.1 30.1
120 23.2 18.7 28.1





#23
Nitrobenzene-d5
Concen: 81.948 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

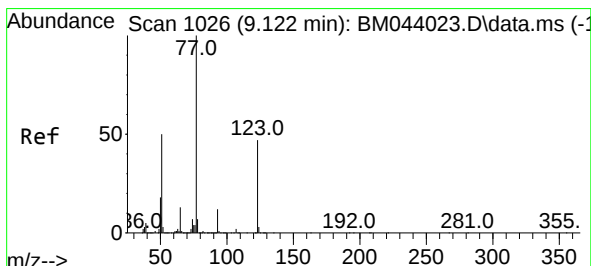
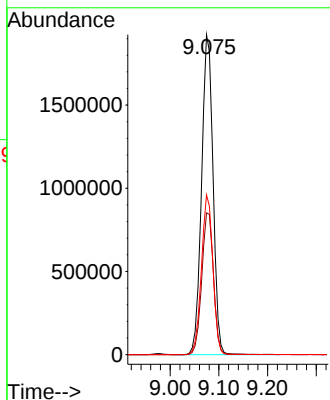
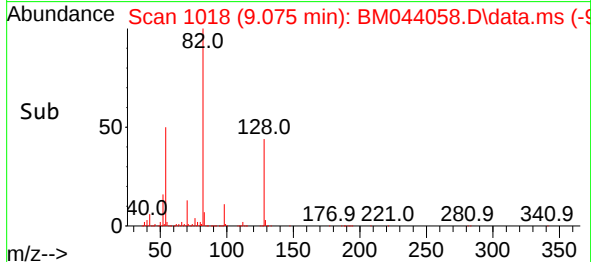
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 82 Resp: 3155198
Ion Ratio Lower Upper
82 100
128 44.3 37.1 55.7
54 50.0 38.9 58.3

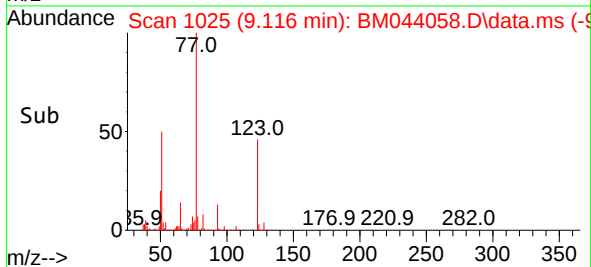
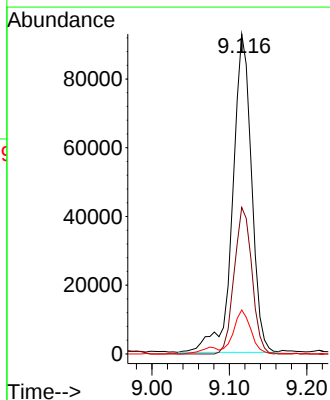
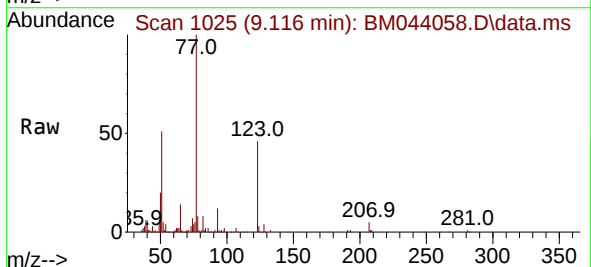
Manual Integrations
APPROVED

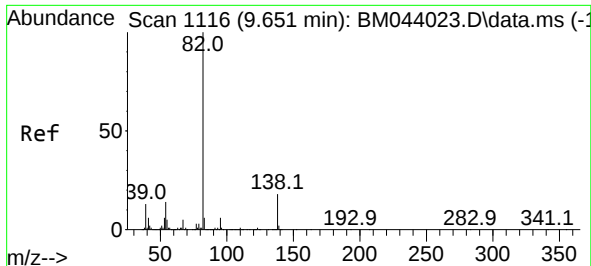
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#24
Nitrobenzene
Concen: 3.998 ng
RT: 9.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

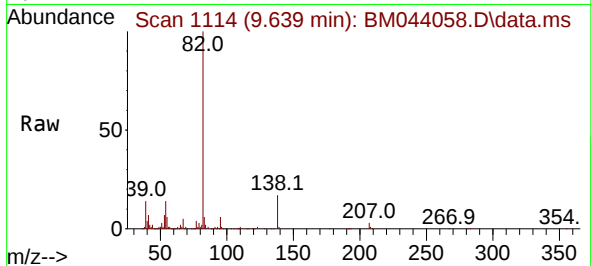
Tgt Ion: 77 Resp: 157621
Ion Ratio Lower Upper
77 100
123 45.8 37.8 56.8
65 13.8 10.5 15.7





#25
Isophorone
Concen: 3.746 ng
RT: 9.639 min Scan# 1114
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

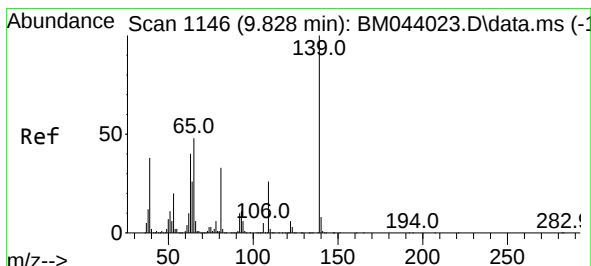
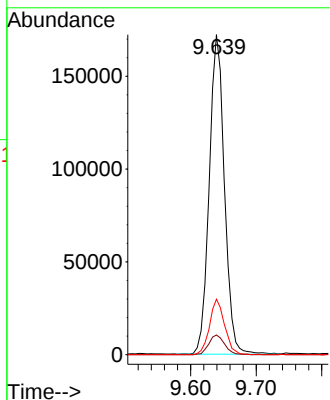
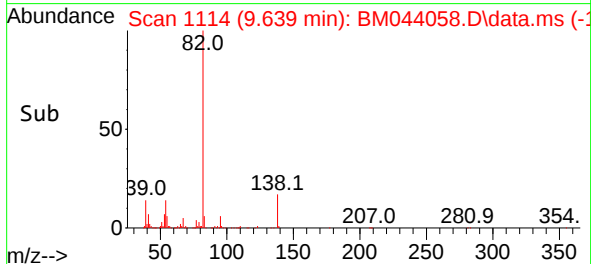
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



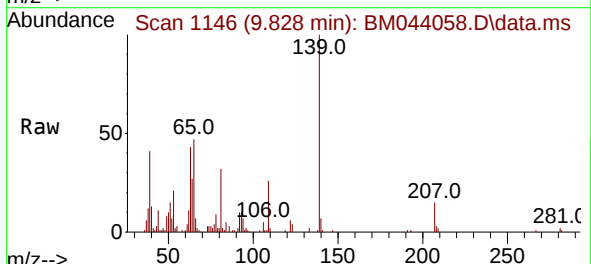
Tgt Ion: 82 Resp: 27773
Ion Ratio Lower Upper
82 100
95 6.2 5.2 7.8
138 17.3 14.3 21.5

Manual Integrations
APPROVED

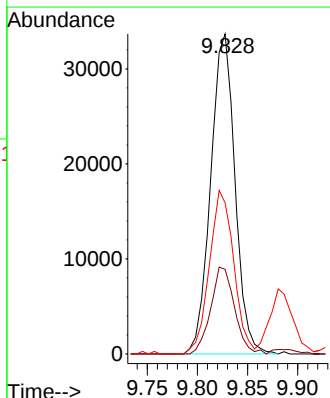
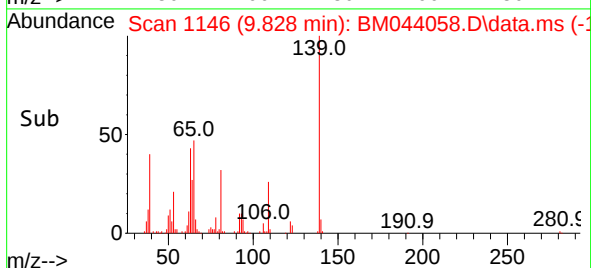
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#26
2-Nitrophenol
Concen: 3.103 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54



Tgt Ion:139 Resp: 56729
Ion Ratio Lower Upper
139 100
109 26.4 21.2 31.8
65 47.3 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 4.330 ng

RT: 9.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BM044058.D

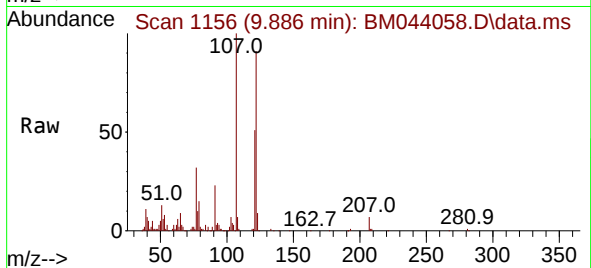
Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023



Tgt Ion:122 Resp: 10120

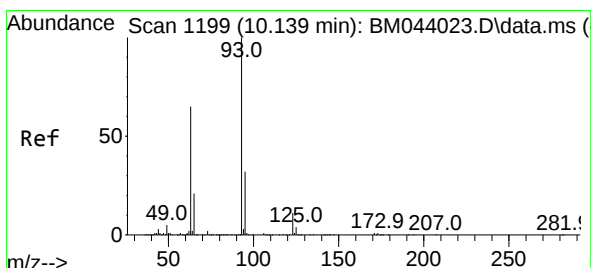
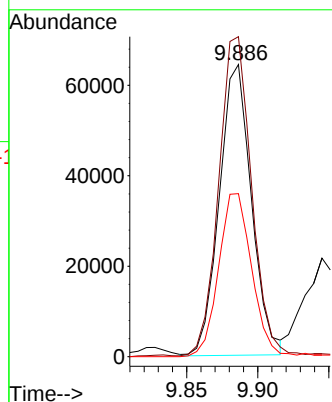
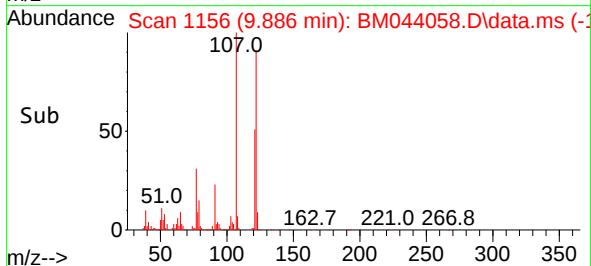
Ion	Ratio	Lower	Upper
122	100		
107	109.5	87.8	131.8
121	55.8	44.7	67.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#28

bis(2-Chloroethoxy)methane

Concen: 3.982 ng

RT: 10.133 min Scan# 1198

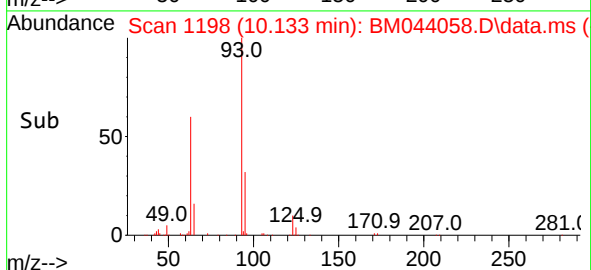
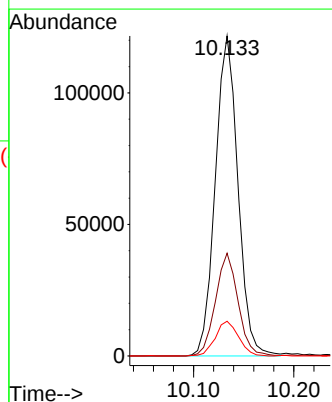
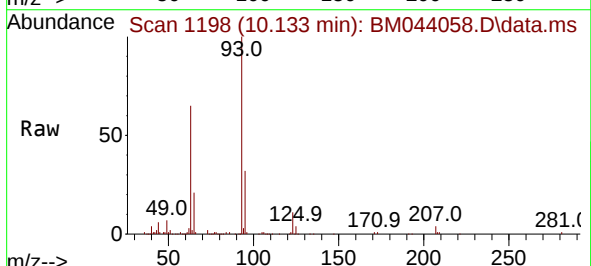
Delta R.T. -0.006 min

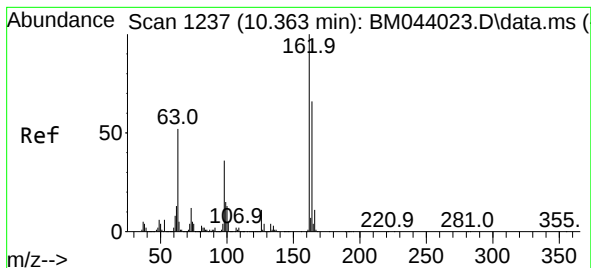
Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Tgt Ion: 93 Resp: 190927

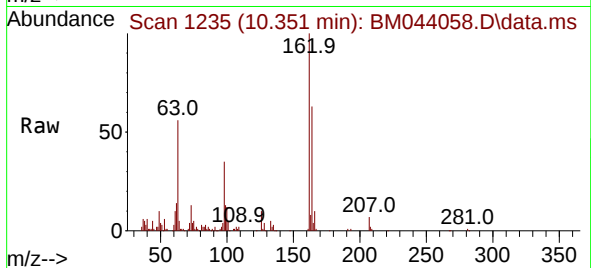
Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.0	39.0
123	10.9	9.2	13.8





#29
2,4-Dichlorophenol
Concen: 3.509 ng
RT: 10.351 min Scan# 1235
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

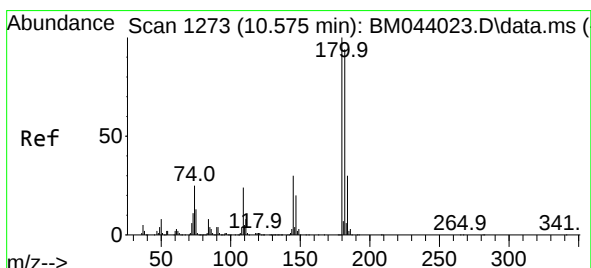
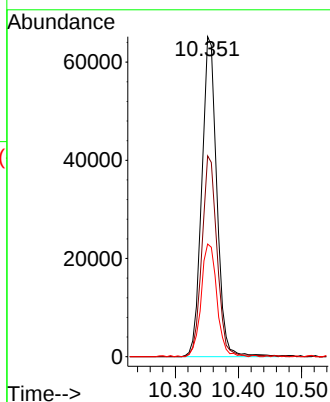
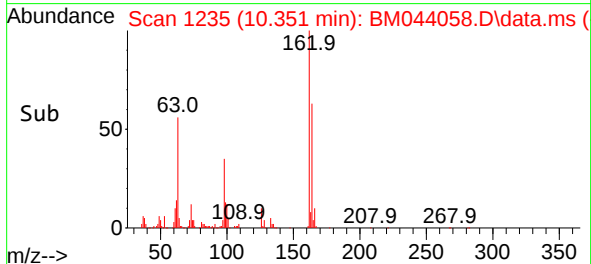
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



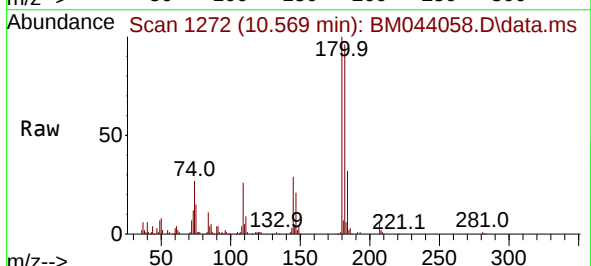
Tgt Ion:162 Resp: 10799
Ion Ratio Lower Upper
162 100
164 62.8 46.1 86.1
98 35.2 15.9 55.9

Manual Integrations
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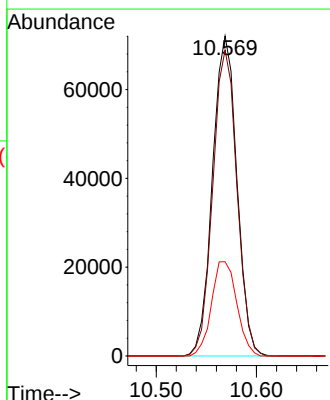
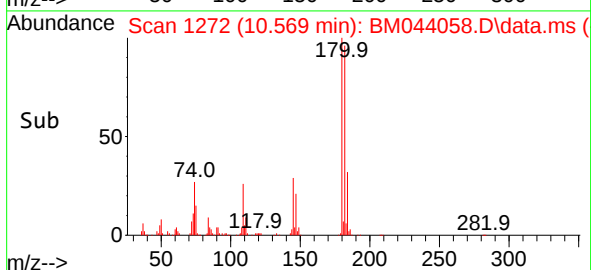
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

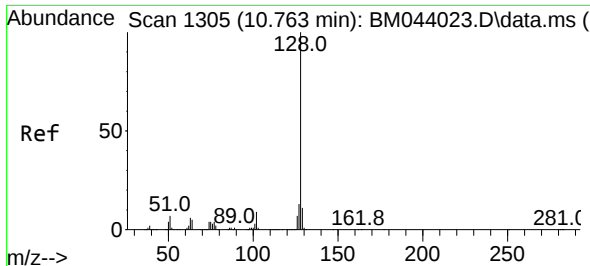


#30
1,2,4-Trichlorobenzene
Concen: 3.512 ng
RT: 10.569 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54



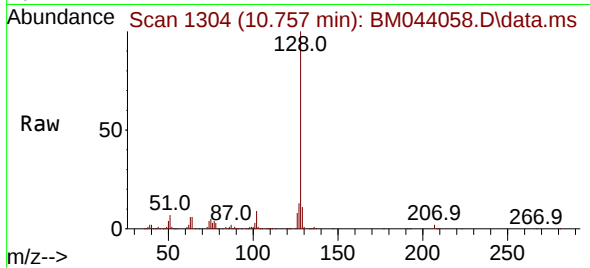
Tgt Ion:180 Resp: 121524
Ion Ratio Lower Upper
180 100
182 95.6 75.2 112.8
145 29.5 24.3 36.5





#31
Naphthalene
Concen: 3.675 ng
RT: 10.757 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

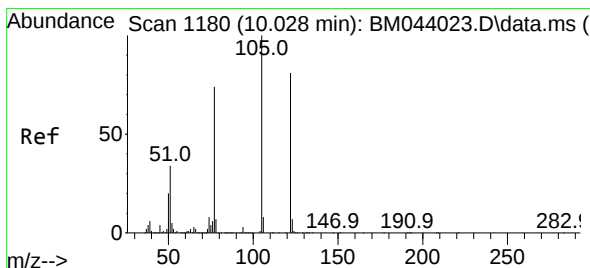
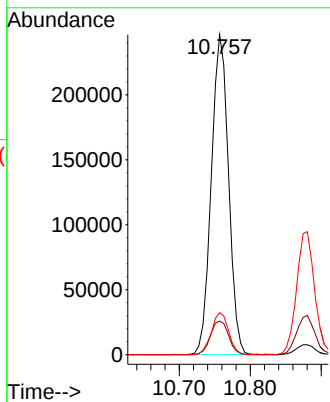
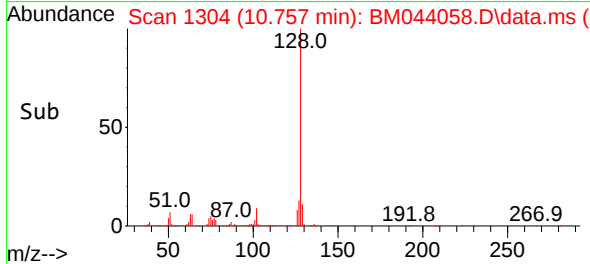
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:128 Resp: 41436
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.4
127 13.2 10.3 15.5

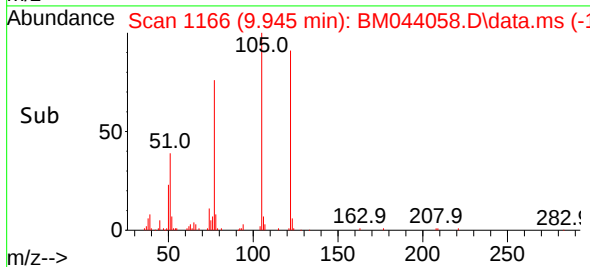
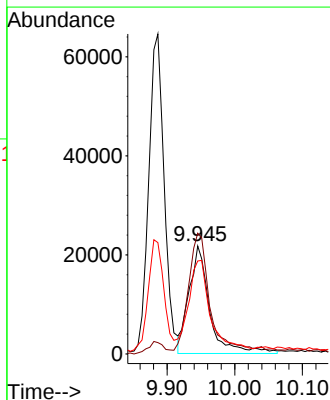
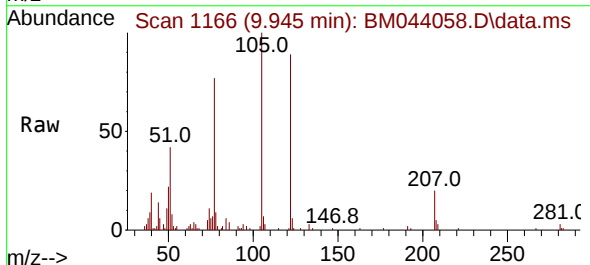
Manual Integrations
APPROVED

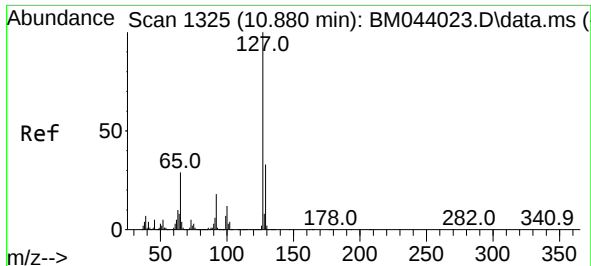
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#32
Benzoic acid
Concen: 1.968 ng m
RT: 9.945 min Scan# 1166
Delta R.T. -0.083 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

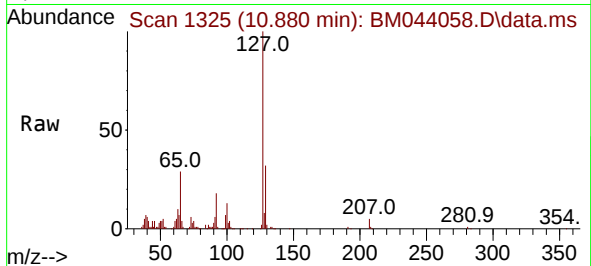
Tgt Ion:122 Resp: 46345
Ion Ratio Lower Upper
122 100
105 112.0 100.1 140.1
77 86.2 69.6 109.6





#33
4-Chloroaniline
Concen: 3.950 ng
RT: 10.880 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

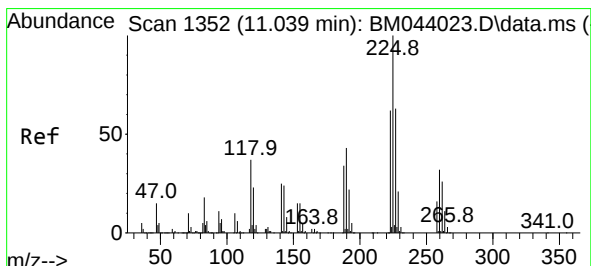
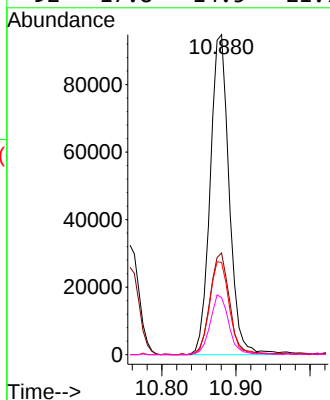
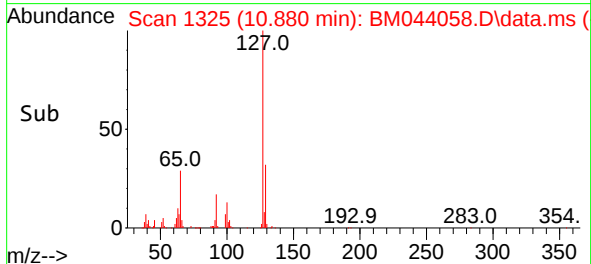
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.0	39.0
65	28.8	23.0	34.6
92	17.8	14.5	21.7

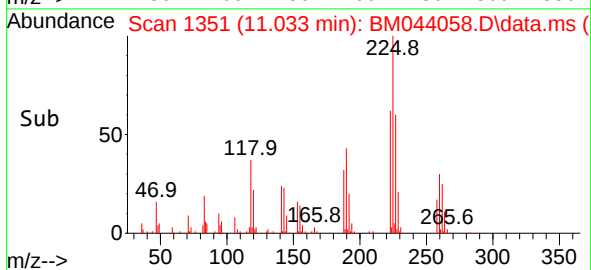
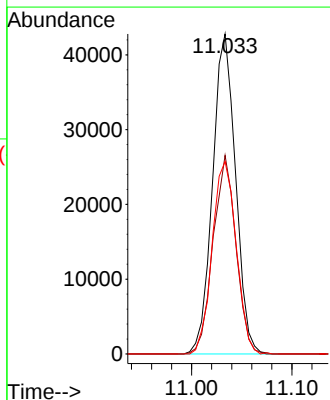
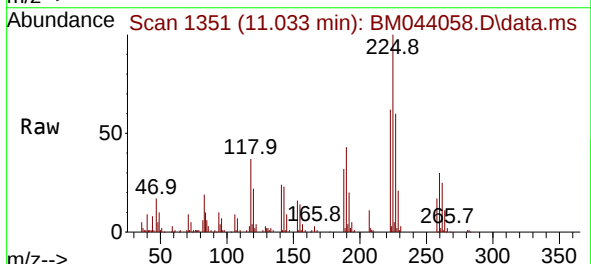
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#34
Hexachlorobutadiene
Concen: 3.434 ng
RT: 11.033 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

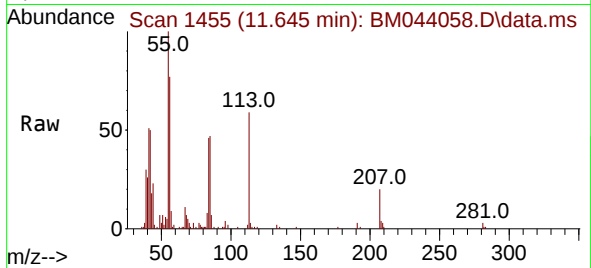
Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.3	49.9	74.9
227	57.5	50.6	76.0





#35
Caprolactam
Concen: 3.062 ng
RT: 11.645 min Scan# 1460
Delta R.T. -0.029 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

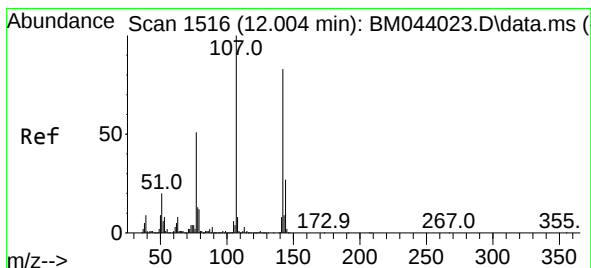
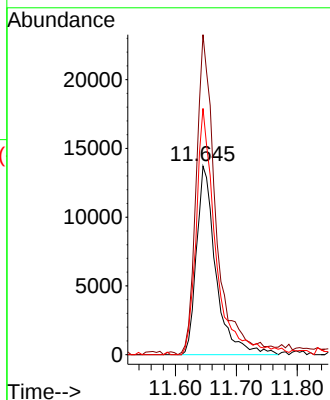
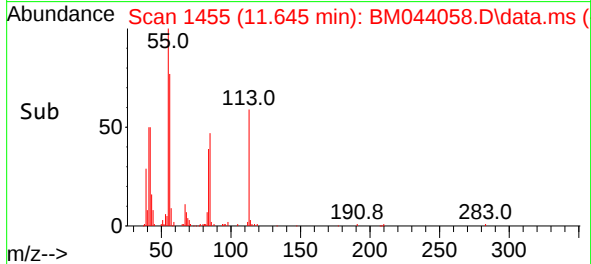
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



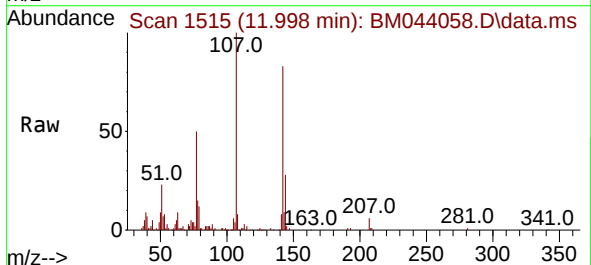
Tgt Ion:113 Resp: 30318
Ion Ratio Lower Upper
113 100
55 169.7 145.6 185.6
56 130.6 103.3 143.3

Manual Integrations
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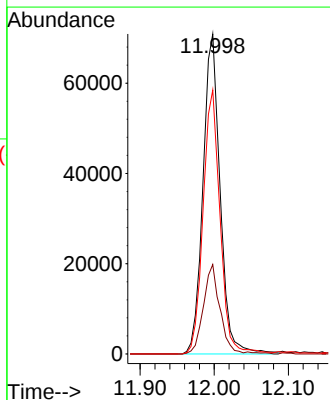
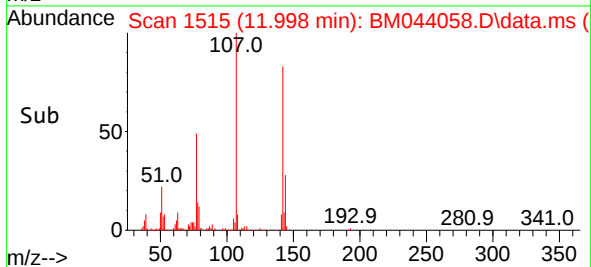
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

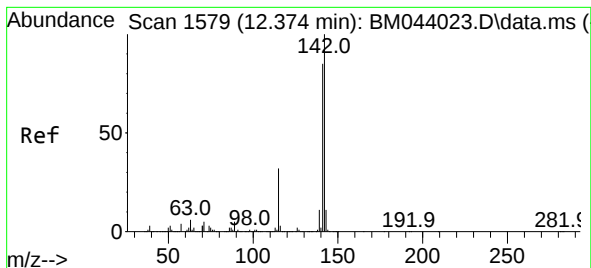


#36
4-Chloro-3-methylphenol
Concen: 3.422 ng
RT: 11.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54



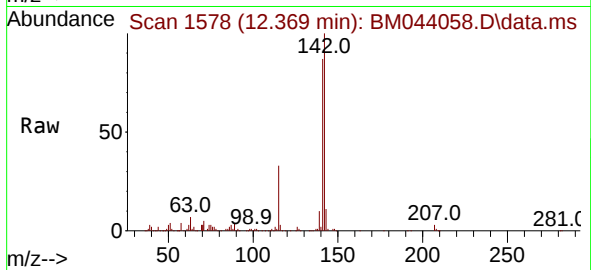
Tgt Ion:107 Resp: 114021
Ion Ratio Lower Upper
107 100
144 27.9 21.3 31.9
142 82.5 66.2 99.4





#37
2-Methylnaphthalene
Concen: 3.814 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

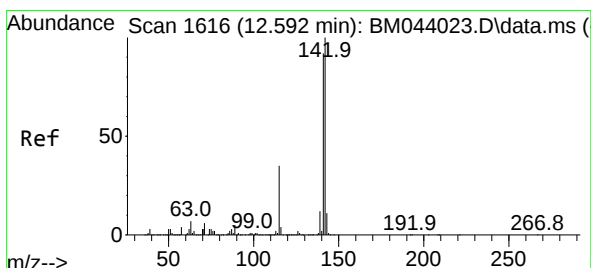
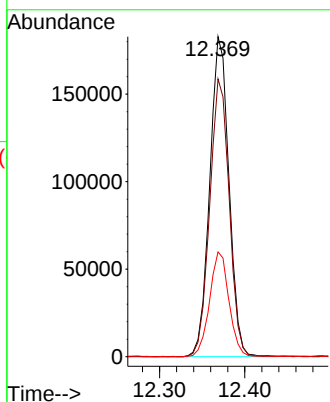
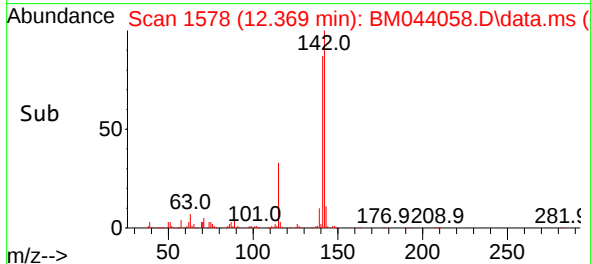
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



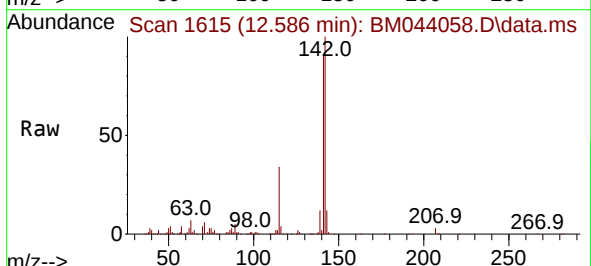
Tgt Ion:142 Resp: 28649
Ion Ratio Lower Upper
142 100
141 86.8 68.3 102.5
115 32.8 25.7 38.5

Manual Integrations
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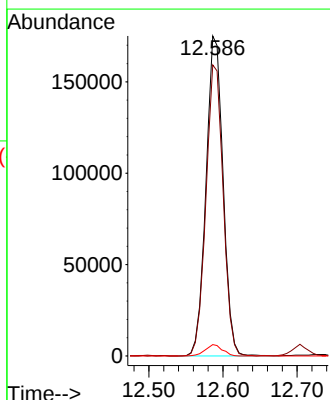
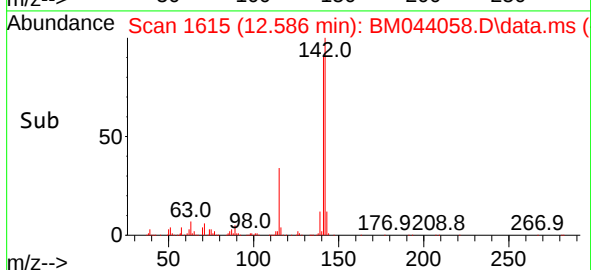
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

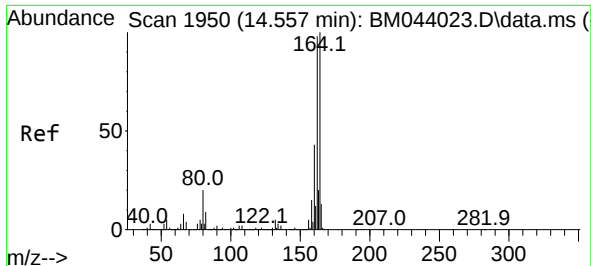


#38
1-Methylnaphthalene
Concen: 3.795 ng
RT: 12.586 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54



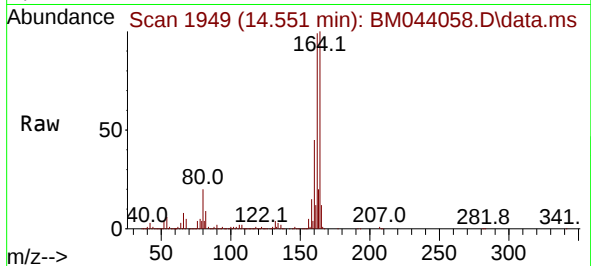
Tgt Ion:142 Resp: 280083
Ion Ratio Lower Upper
142 100
141 91.0 73.4 110.0
116 3.6 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.551 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

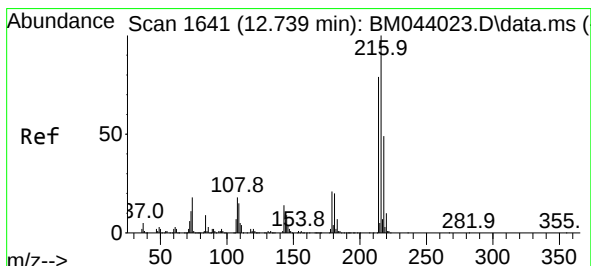
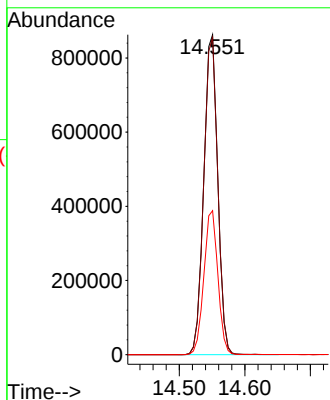
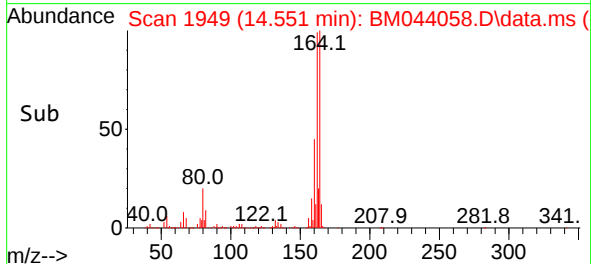
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:164 Resp: 127919
Ion Ratio Lower Upper
164 100
162 99.1 78.4 117.6
160 45.0 34.6 51.8

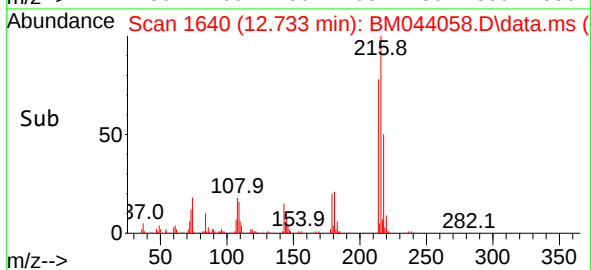
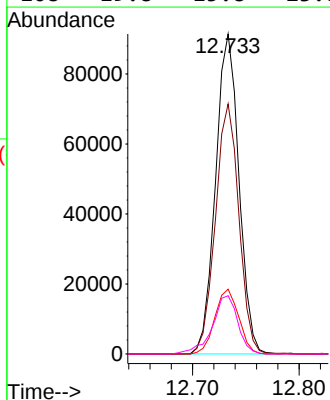
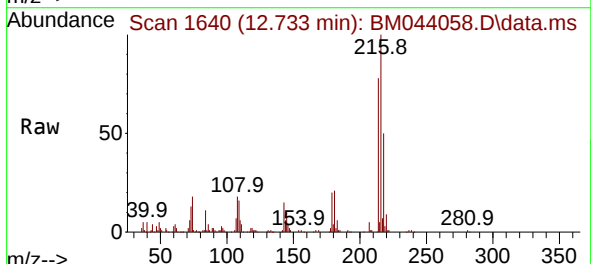
Manual Integrations
APPROVED

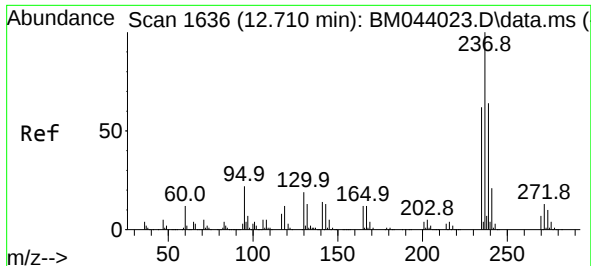
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.741 ng
RT: 12.733 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

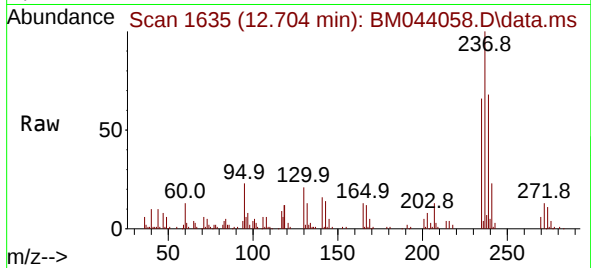
Tgt Ion:216 Resp: 139101
Ion Ratio Lower Upper
216 100
214 78.5 63.1 94.7
179 20.6 17.0 25.6
108 19.8 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 3.770 ng
RT: 12.704 min Scan# 1636
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

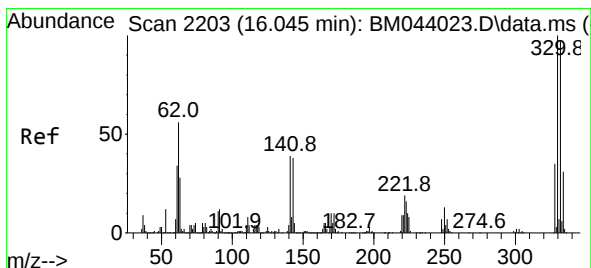
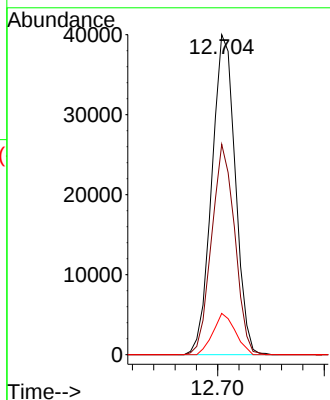
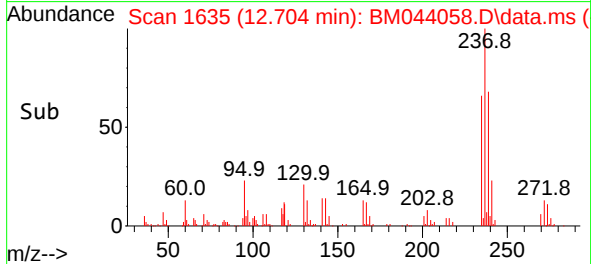
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



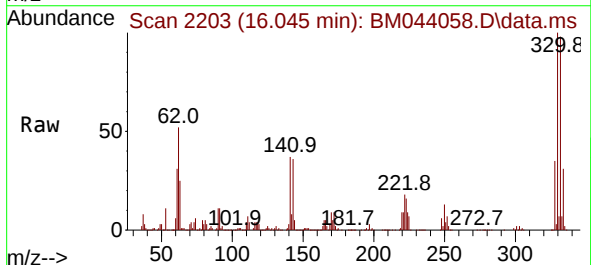
Tgt Ion:237 Resp: 61169
Ion Ratio Lower Upper
237 100
235 65.7 42.4 82.4
272 12.9 0.0 33.3

Manual Integrations
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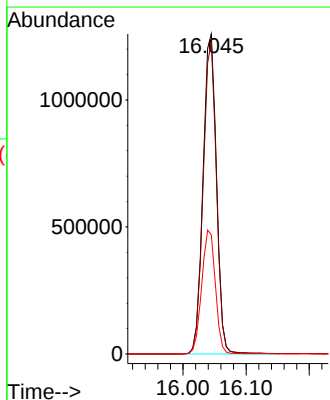
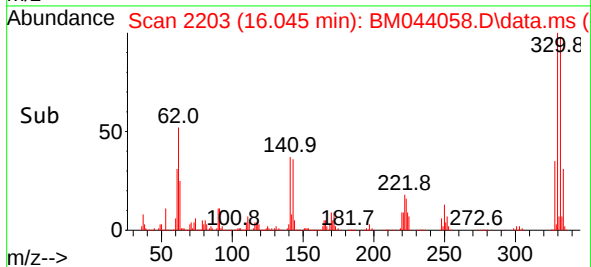
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

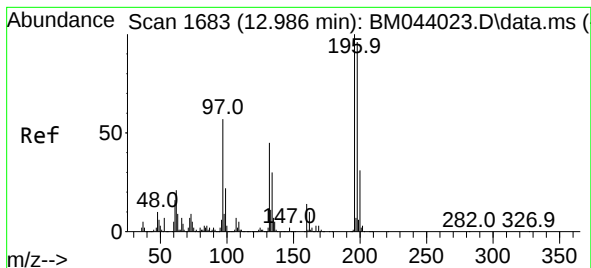


#42
2,4,6-Tribromophenol
Concen: 134.927 ng
RT: 16.045 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54



Tgt Ion:330 Resp: 1868773
Ion Ratio Lower Upper
330 100
332 96.4 77.7 116.5
141 39.4 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 3.052 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

Tgt Ion:196 Resp: 7723

Ion Ratio Lower Upper

196 100

198 96.1 76.8 115.2

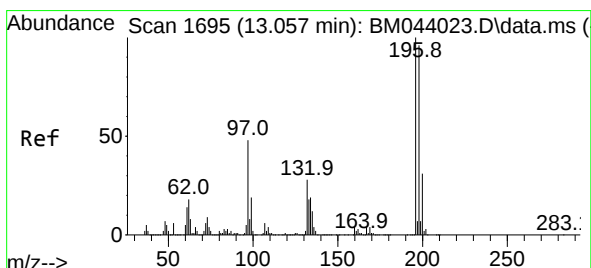
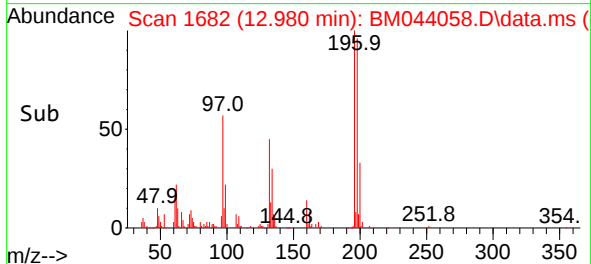
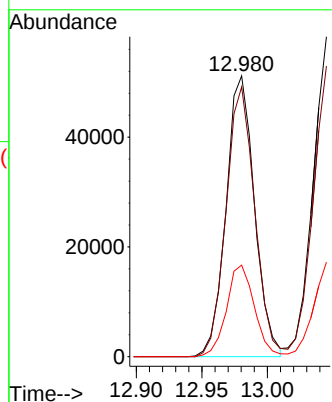
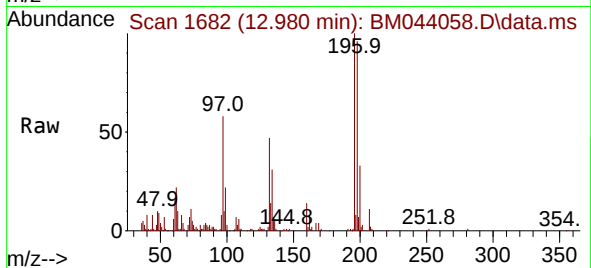
200 32.6 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#44

2,4,5-Trichlorophenol

Concen: 3.161 ng

RT: 13.045 min Scan# 1693

Delta R.T. -0.012 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Tgt Ion:196 Resp: 87766

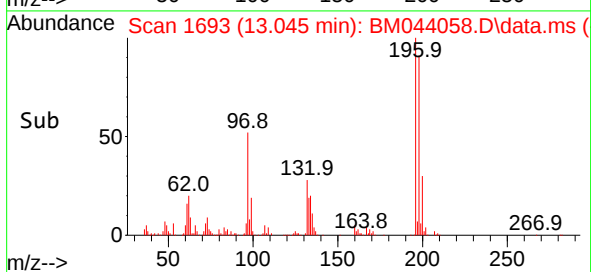
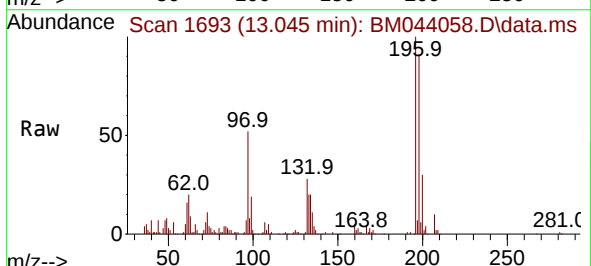
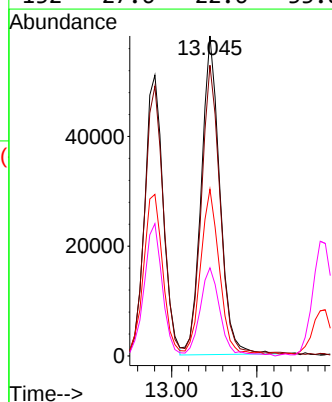
Ion Ratio Lower Upper

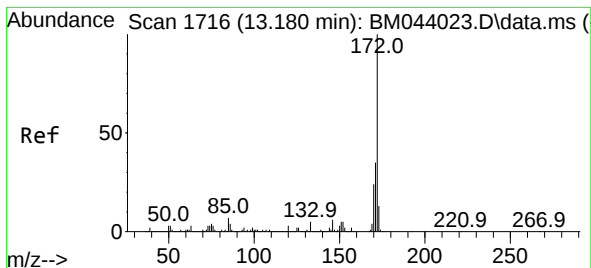
196 100

198 90.8 76.9 115.3

97 52.1 39.0 58.4

132 27.6 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 78.537 ng

RT: 13.180 min Scan# 1716

Delta R.T. 0.000 min

Lab File: BM044058.D

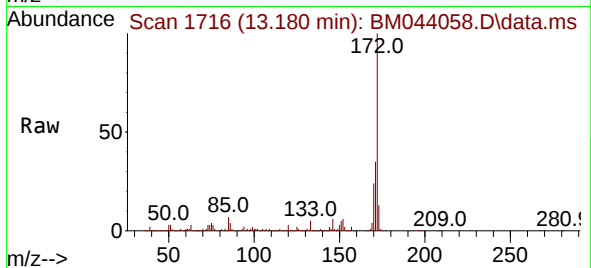
Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023



Tgt Ion:172 Resp: 711848

Ion Ratio Lower Upper

172 100

171 34.6 27.9 41.9

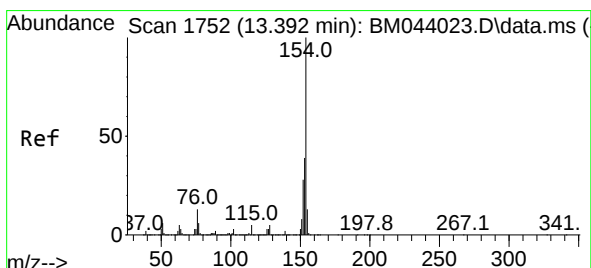
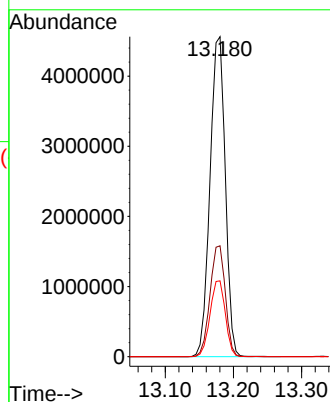
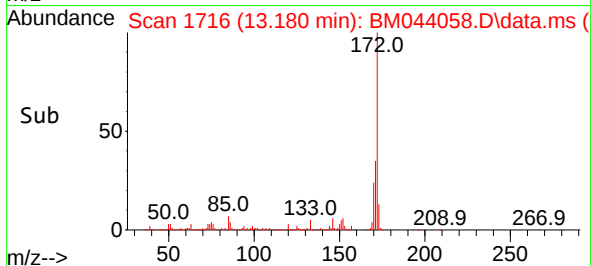
170 23.7 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#46

1,1'-Biphenyl

Concen: 3.814 ng

RT: 13.386 min Scan# 1751

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

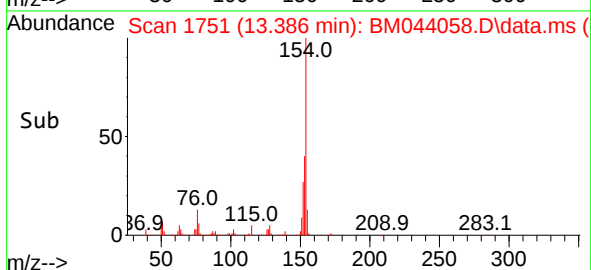
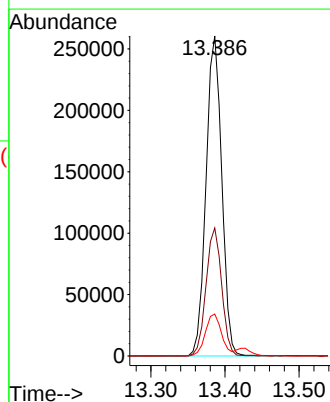
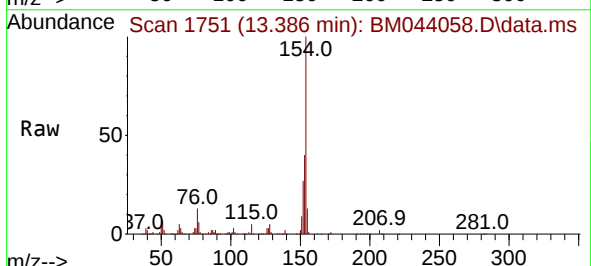
Tgt Ion:154 Resp: 384946

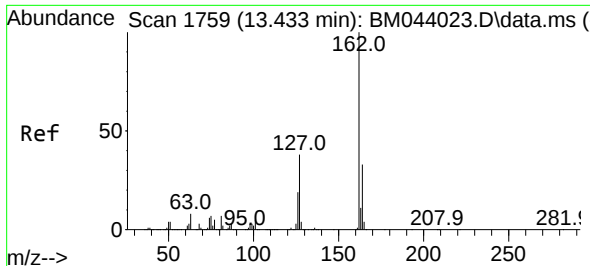
Ion Ratio Lower Upper

154 100

153 40.0 19.4 59.4

76 13.1 0.0 32.9





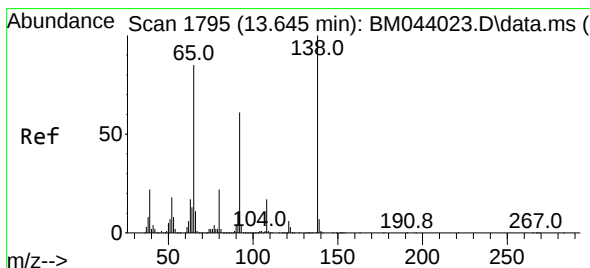
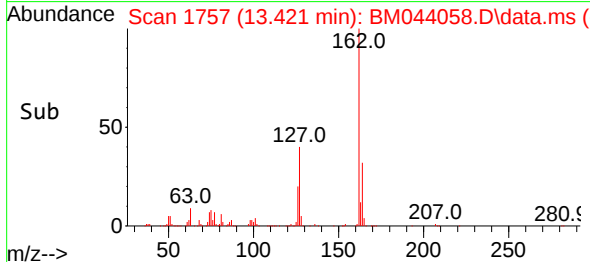
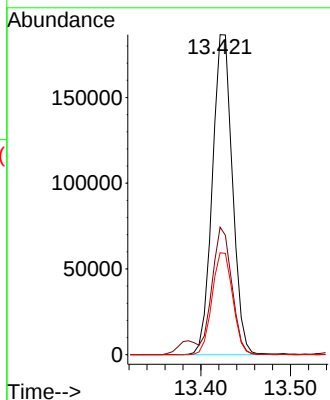
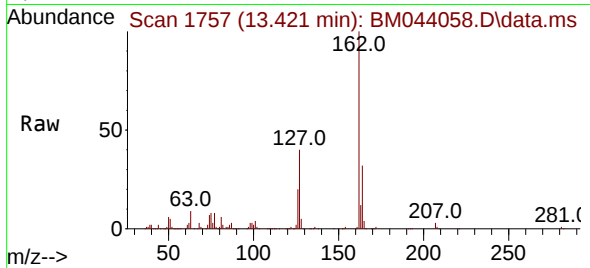
#47
2-Chloronaphthalene
Concen: 3.628 ng
RT: 13.421 min Scan# 1757
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT4-2023

Tgt Ion:162 Resp: 290100
Ion Ratio Lower Upper
162 100
127 39.8 30.9 46.3
164 31.9 26.4 39.6

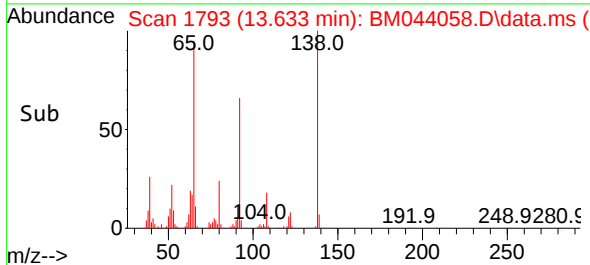
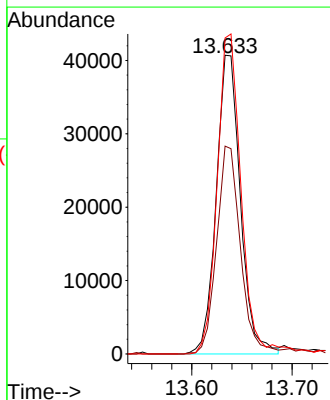
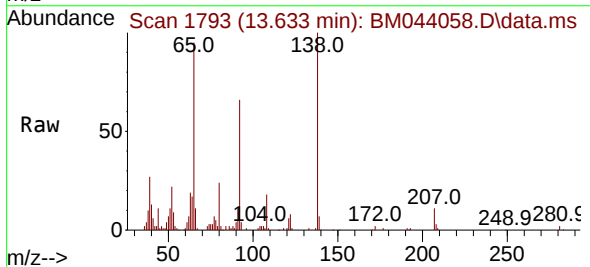
Manual Integrations
APPROVED

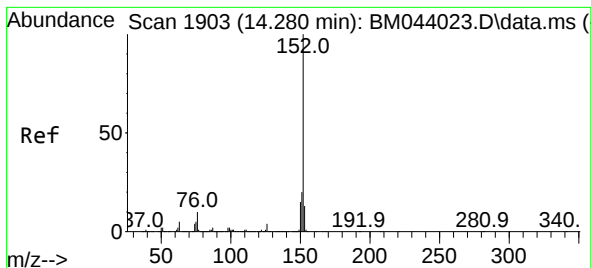
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#48
2-Nitroaniline
Concen: 3.034 ng
RT: 13.633 min Scan# 1793
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion: 65 Resp: 68254
Ion Ratio Lower Upper
65 100
92 69.6 58.1 87.1
138 105.8 94.6 142.0





#49

Acenaphthylene

Concen: 3.903 ng

RT: 14.268 min Scan# 1901

Delta R.T. -0.012 min

Lab File: BM044058.D

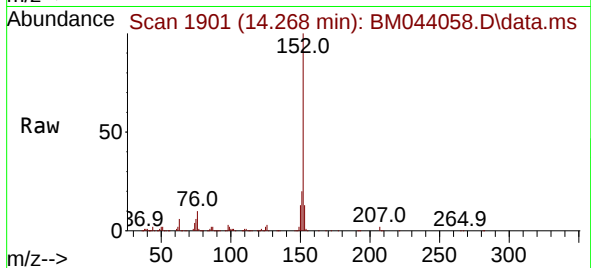
Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023



Tgt Ion:152 Resp: 46560

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.6

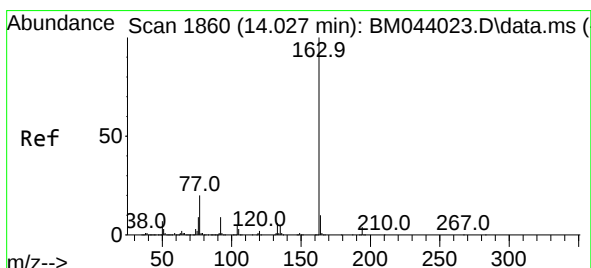
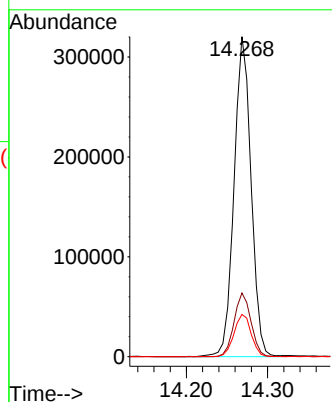
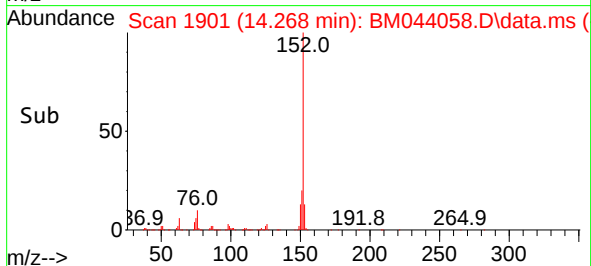
153 13.2 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#50

Dimethylphthalate

Concen: 3.698 ng

RT: 14.016 min Scan# 1858

Delta R.T. -0.012 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

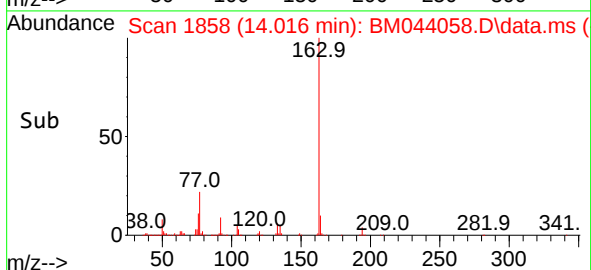
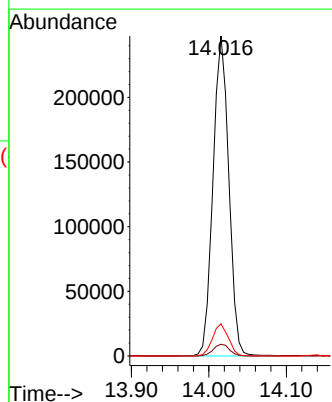
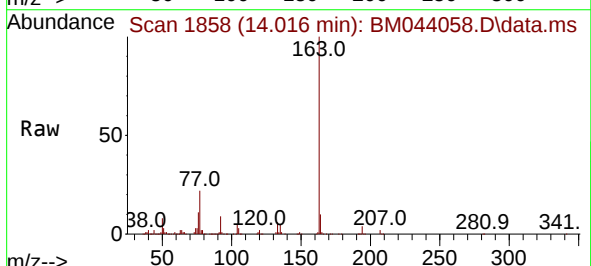
Tgt Ion:163 Resp: 350758

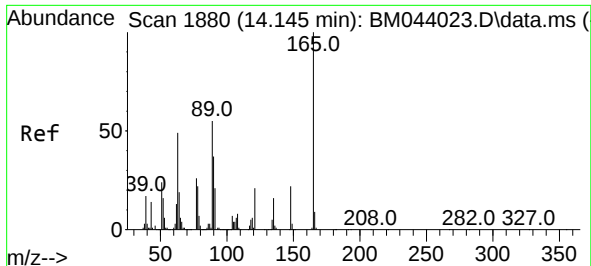
Ion Ratio Lower Upper

163 100

194 3.6 3.1 4.7

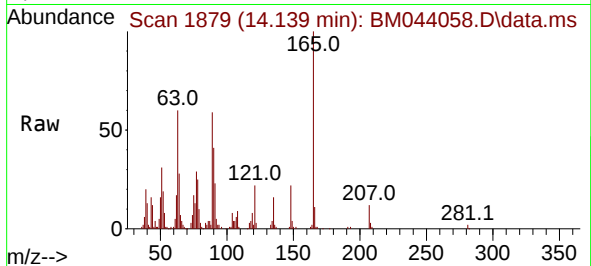
164 10.0 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 3.100 ng
RT: 14.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

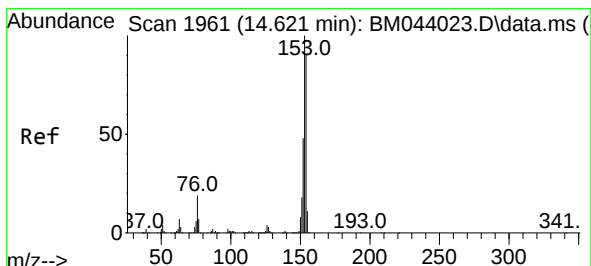
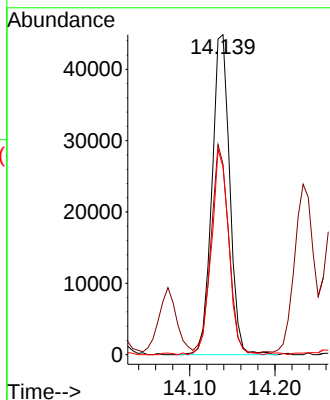
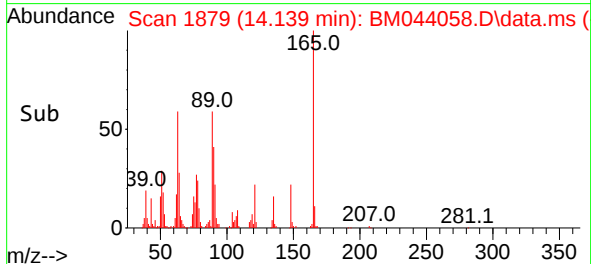
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:165 Resp: 64862
Ion Ratio Lower Upper
165 100
63 59.5 43.5 65.3
89 58.7 44.4 66.6

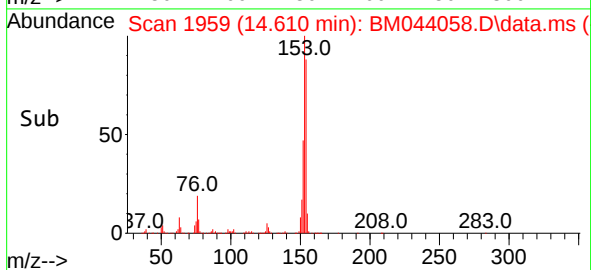
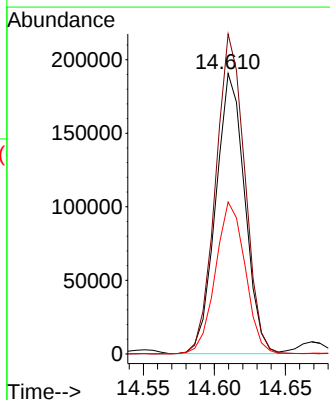
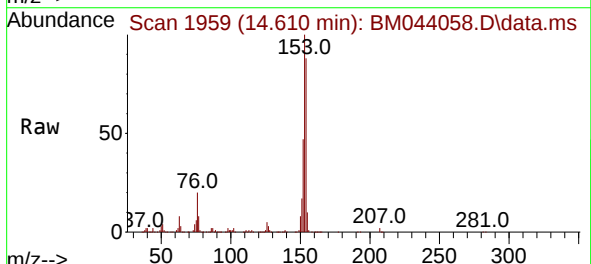
Manual Integrations
APPROVED

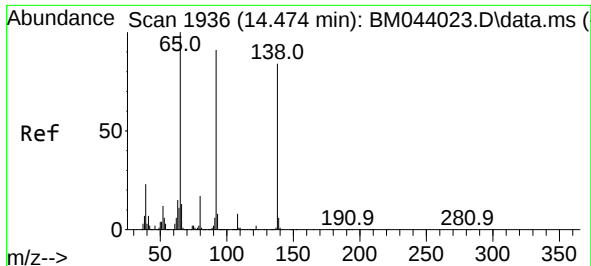
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#52
Acenaphthene
Concen: 3.666 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

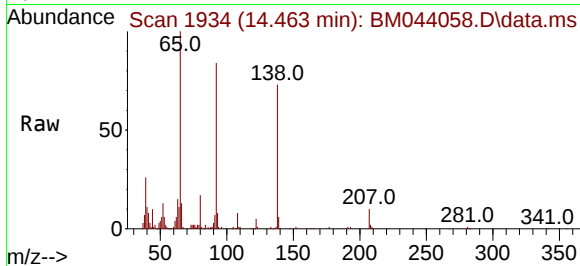
Tgt Ion:154 Resp: 270688
Ion Ratio Lower Upper
154 100
153 114.1 89.3 133.9
152 54.2 43.0 64.6





#53
3-Nitroaniline
Concen: 2.892 ng
RT: 14.463 min Scan# 1936
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

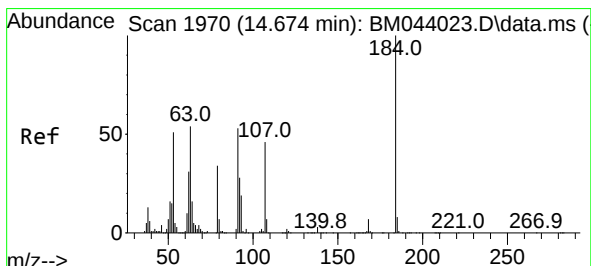
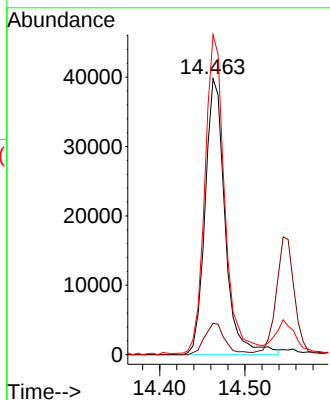
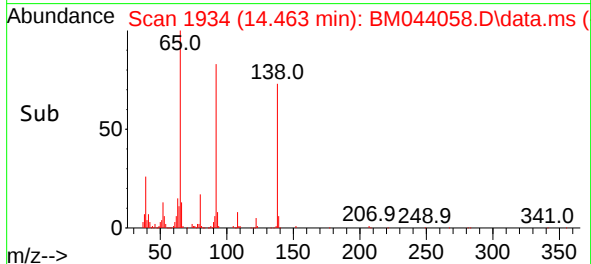
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



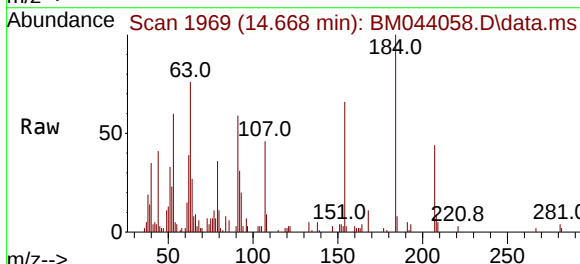
Tgt Ion:138 Resp: 65048
Ion Ratio Lower Upper
138 100
108 11.4 7.6 11.4
92 115.9 86.5 129.7

Manual Integrations
APPROVED

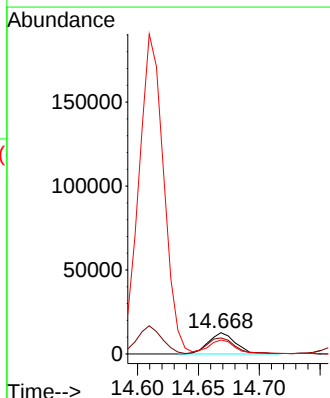
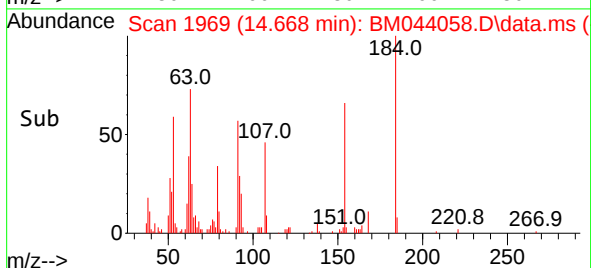
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

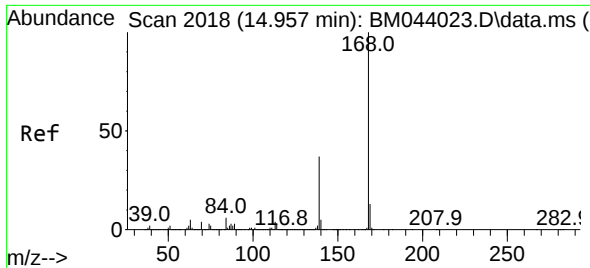


#54
2,4-Dinitrophenol
Concen: 7.046 ng
RT: 14.668 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54



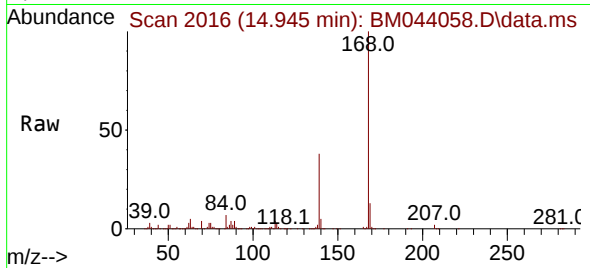
Tgt Ion:184 Resp: 19686
Ion Ratio Lower Upper
184 100
63 75.8 55.4 83.2
154 65.6 49.2 73.8





#55
Dibenzenofuran
Concen: 3.894 ng
RT: 14.945 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

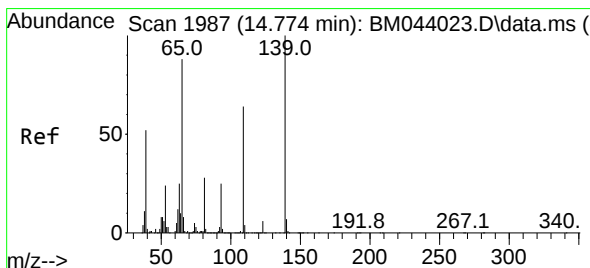
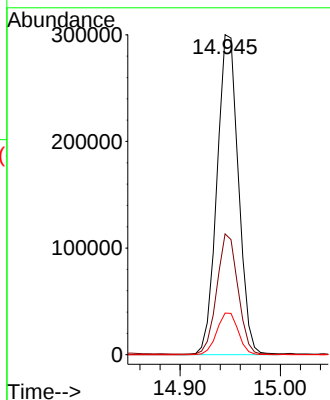
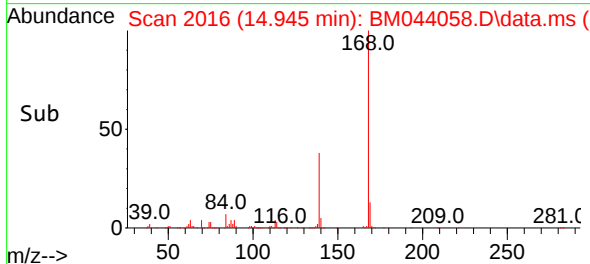
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



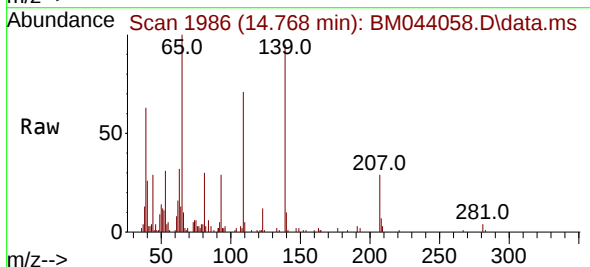
Tgt Ion:168 Resp: 444984
Ion Ratio Lower Upper
168 100
139 37.8 29.6 44.4
169 13.0 10.5 15.7

Manual Integrations
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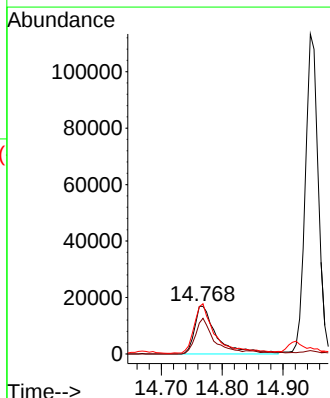
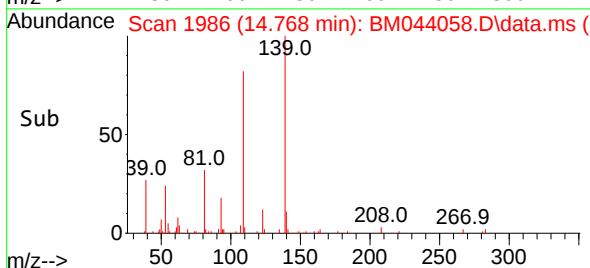
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

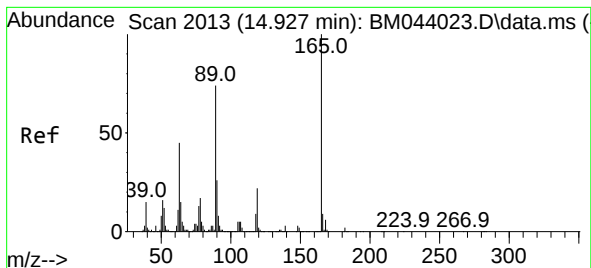


#56
4-Nitrophenol
Concen: 2.334 ng
RT: 14.768 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54



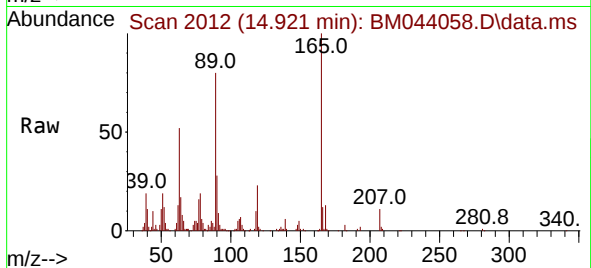
Tgt Ion:139 Resp: 42665
Ion Ratio Lower Upper
139 100
109 74.8 43.8 83.8
65 105.5 67.7 107.7





#57
2,4-Dinitrotoluene
Concen: 2.790 ng
RT: 14.921 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

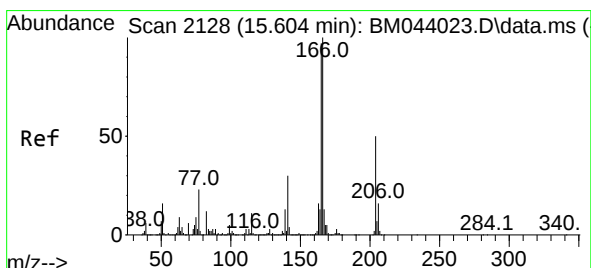
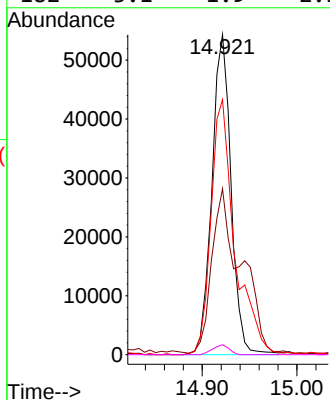
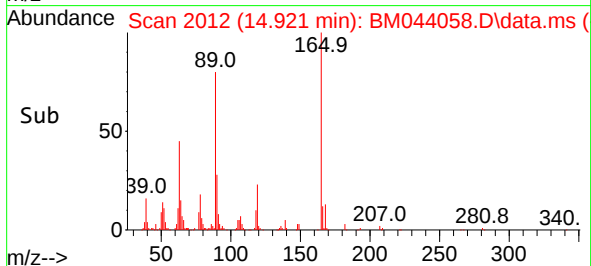
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:165 Resp: 76298
Ion Ratio Lower Upper
165 100
63 51.8 35.9 53.9
89 79.8 58.9 88.3
182 3.1 1.9 2.9#

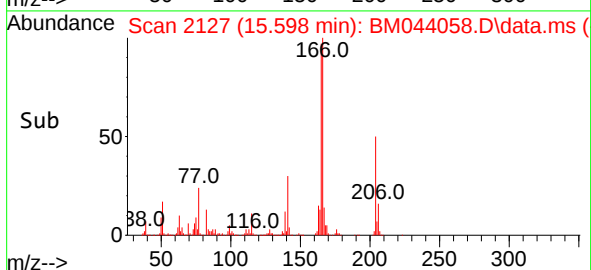
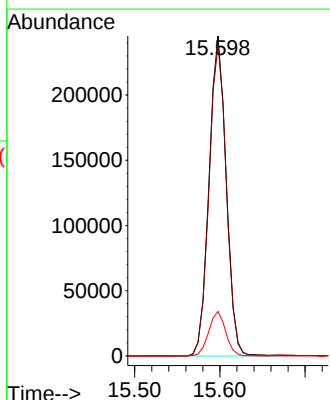
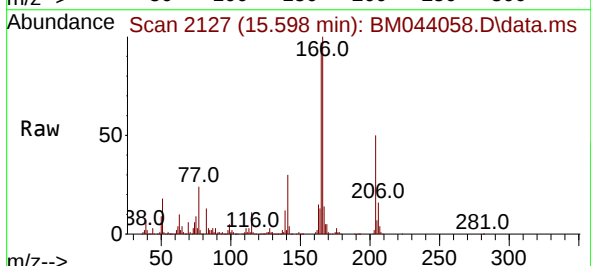
Manual Integrations
APPROVED

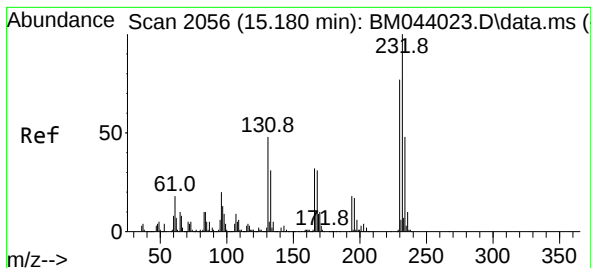
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#58
Fluorene
Concen: 3.890 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

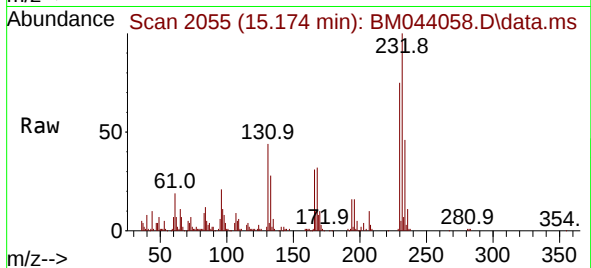
Tgt Ion:166 Resp: 343449
Ion Ratio Lower Upper
166 100
165 97.1 77.7 116.5
167 13.9 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.445 ng
RT: 15.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

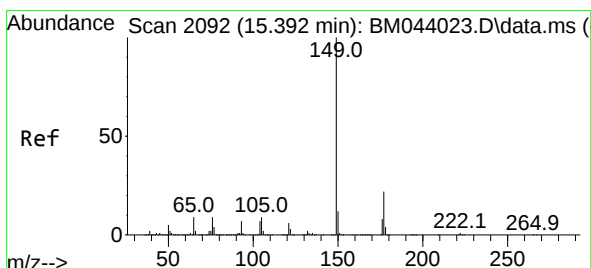
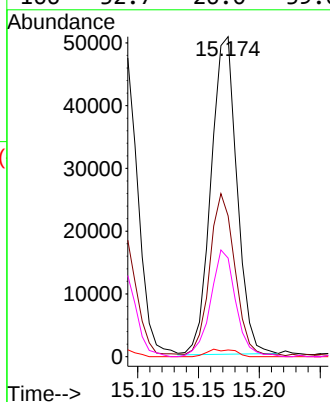
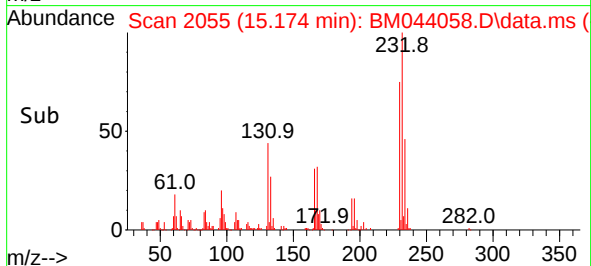
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



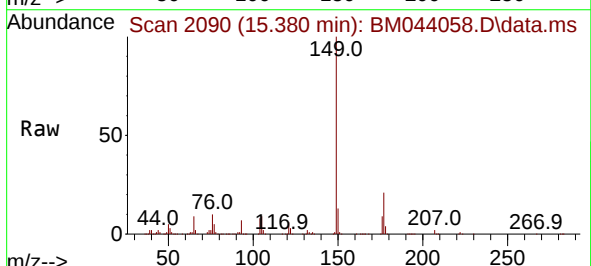
Tgt Ion:232 Resp: 75064
Ion Ratio Lower Upper
232 100
131 49.8 39.5 59.3
130 2.5 2.0 3.0
166 32.7 26.0 39.0

Manual Integrations
APPROVED

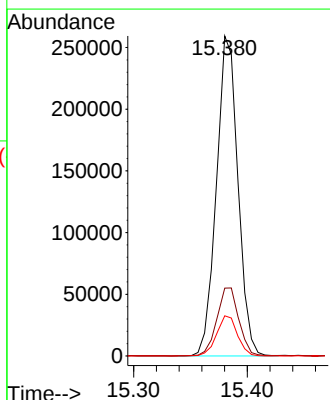
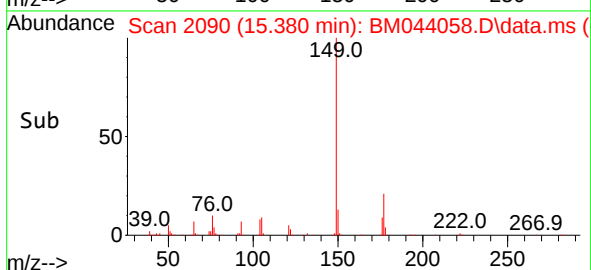
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

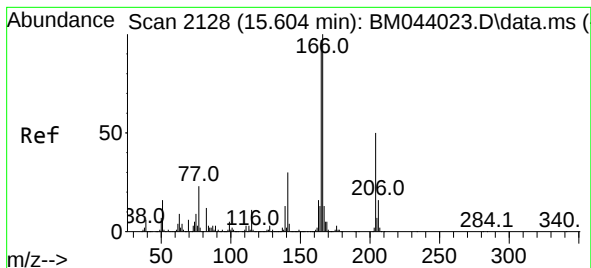


#60
Diethylphthalate
Concen: 3.482 ng
RT: 15.380 min Scan# 2090
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54



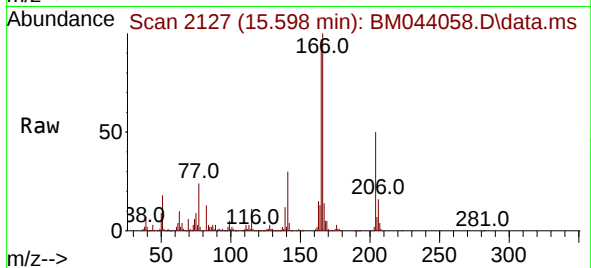
Tgt Ion:149 Resp: 341352
Ion Ratio Lower Upper
149 100
177 21.2 17.5 26.3
150 12.6 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 3.876 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

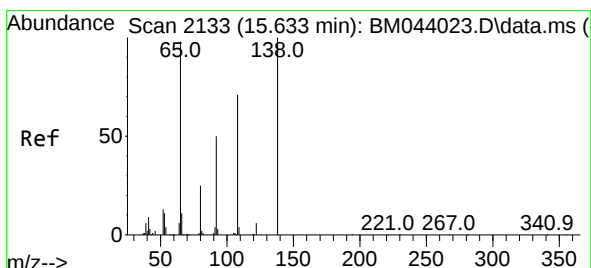
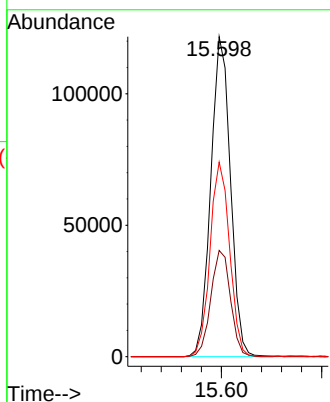
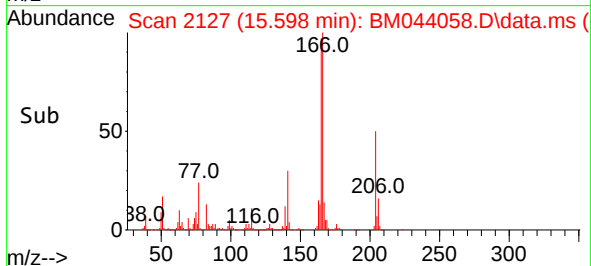
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:204 Resp: 165830
Ion Ratio Lower Upper
204 100
206 33.2 26.3 39.5
141 60.8 47.7 71.5

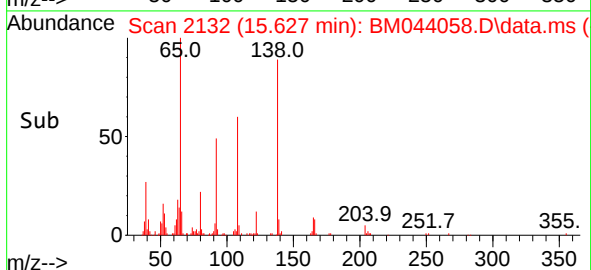
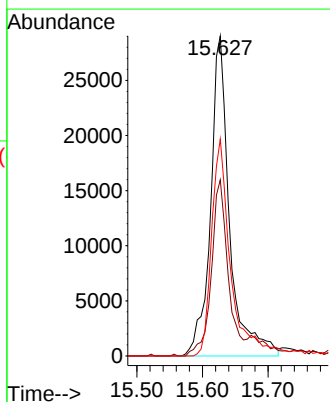
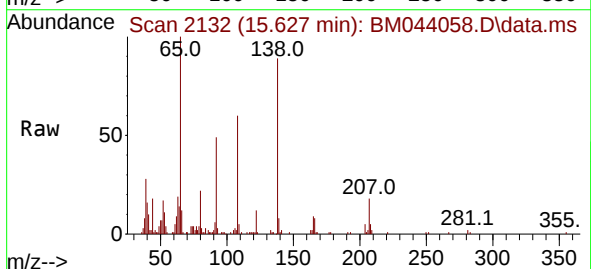
Manual Integrations
APPROVED

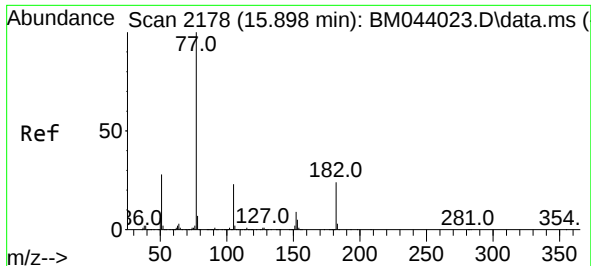
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#62
4-Nitroaniline
Concen: 2.595 ng
RT: 15.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

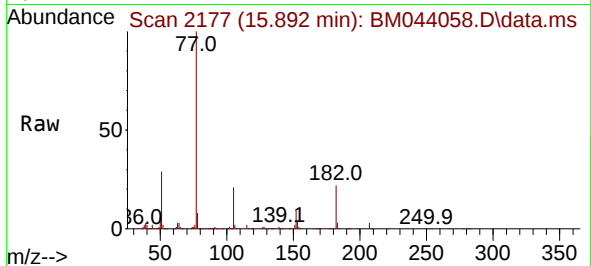
Tgt Ion:138 Resp: 58738
Ion Ratio Lower Upper
138 100
92 55.0 29.6 69.6
108 67.8 47.8 87.8





#63
Azobenzene
Concen: 3.530 ng
RT: 15.892 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

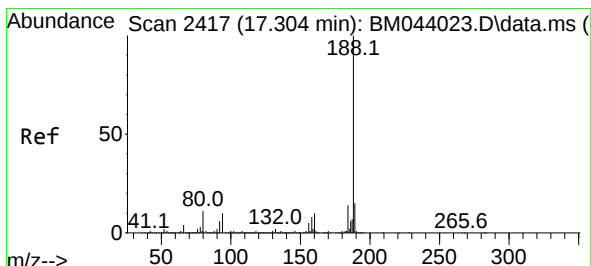
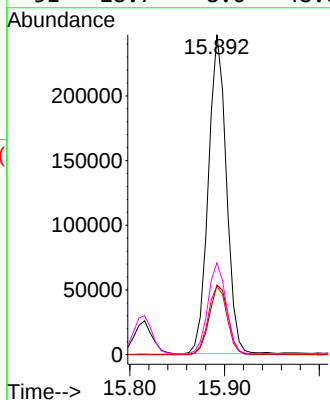
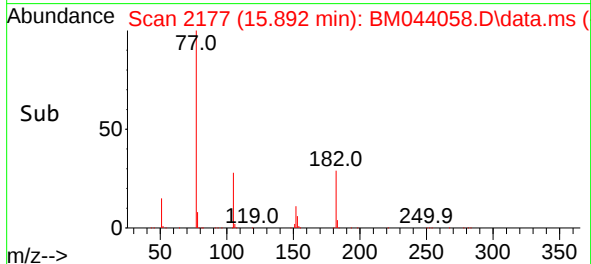
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 77 Resp: 324650
Ion Ratio Lower Upper
77 100
182 21.8 4.0 44.0
105 21.5 3.3 43.3
51 28.7 8.0 48.0

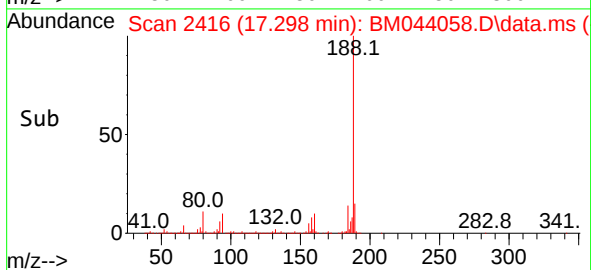
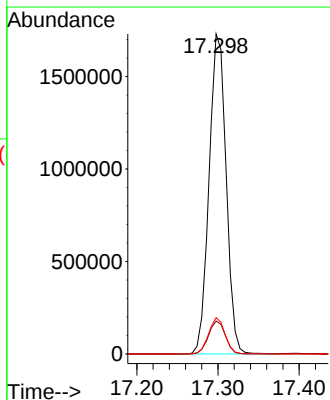
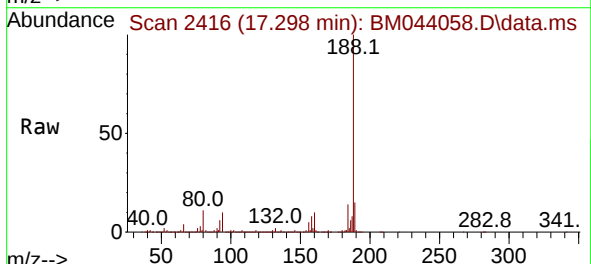
Manual Integrations
APPROVED

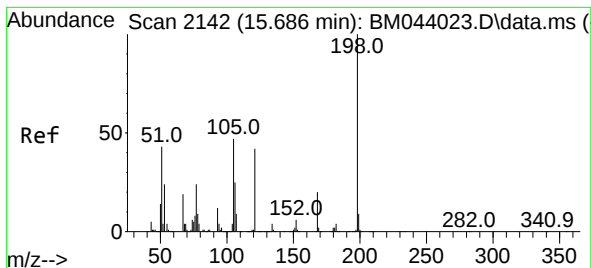
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

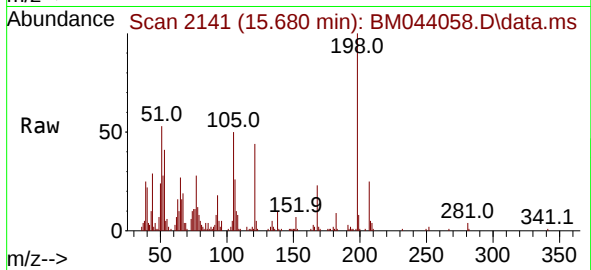
Tgt Ion:188 Resp: 2524660
Ion Ratio Lower Upper
188 100
94 10.3 8.2 12.2
80 11.3 8.8 13.2





#65
4,6-Dinitro-2-methylphenol
Concen: 2.073 ng
RT: 15.680 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

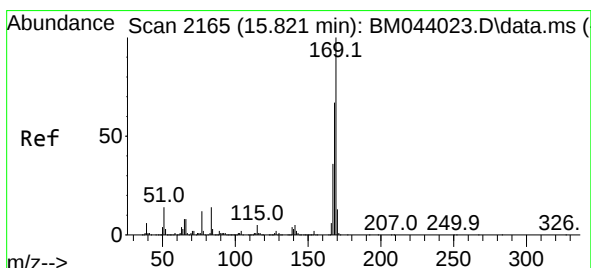
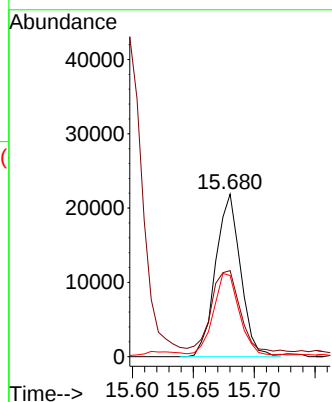
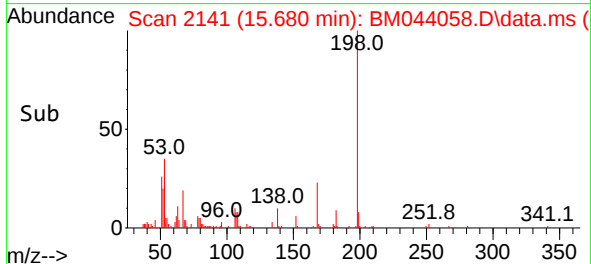
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



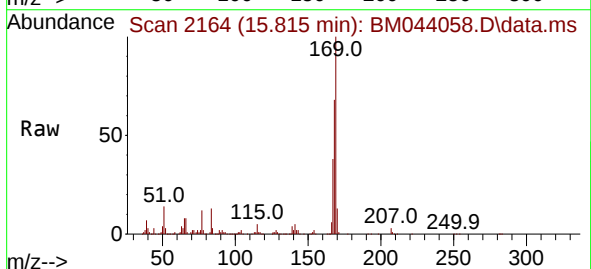
Tgt Ion:198 Resp: 3118
Ion Ratio Lower Upper
198 100
51 52.9 29.9 69.9
105 49.9 28.7 68.7

Manual Integrations
APPROVED

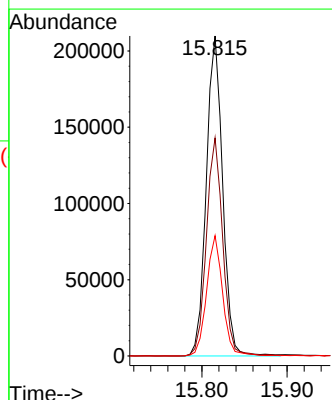
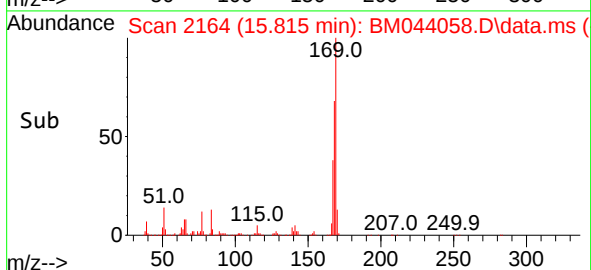
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

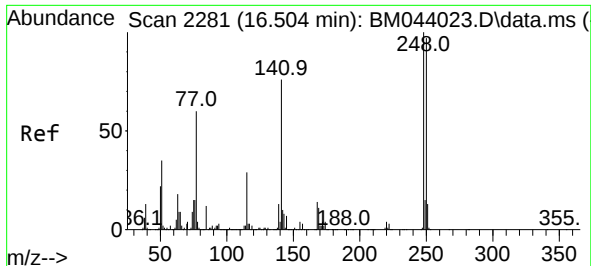


#66
n-Nitrosodiphenylamine
Concen: 3.648 ng
RT: 15.815 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54



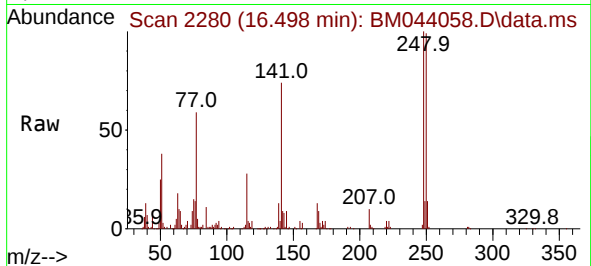
Tgt Ion:169 Resp: 279804
Ion Ratio Lower Upper
169 100
168 68.1 53.8 80.8
167 37.6 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 3.447 ng
RT: 16.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

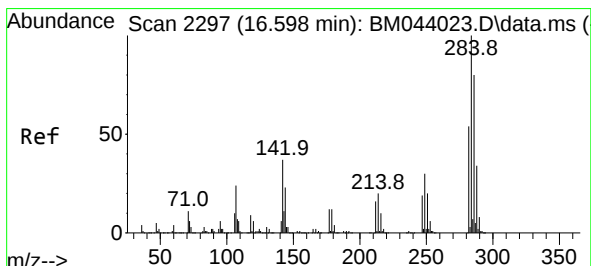
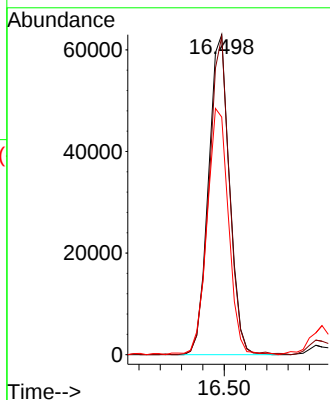
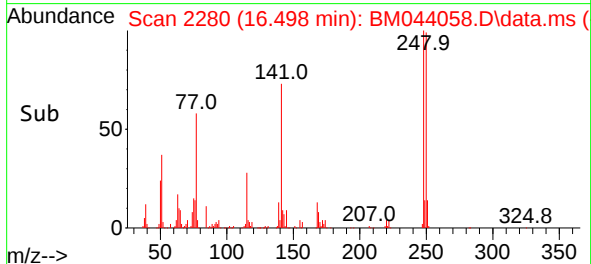
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:248 Resp: 8605
Ion Ratio Lower Upper
248 100
250 99.5 77.4 116.2
141 74.3 61.0 91.6

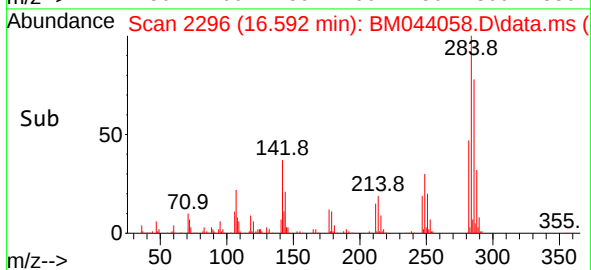
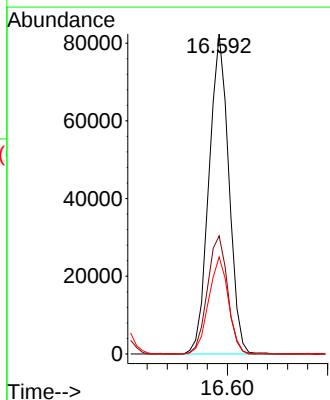
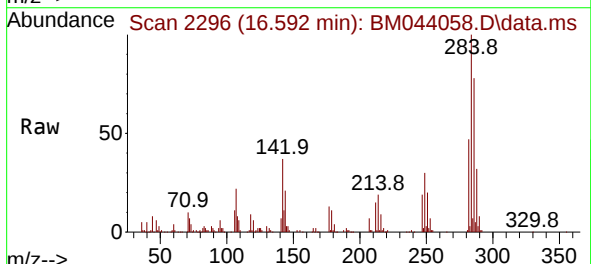
Manual Integrations
APPROVED

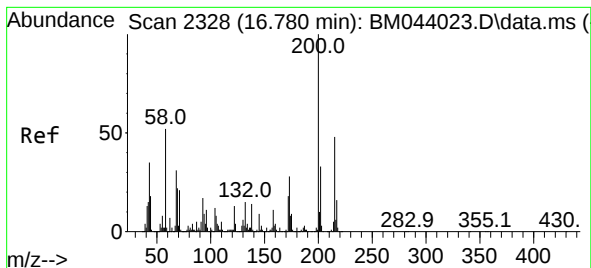
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#68
Hexachlorobenzene
Concen: 3.687 ng
RT: 16.592 min Scan# 2296
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:284 Resp: 112748
Ion Ratio Lower Upper
284 100
142 36.9 30.0 45.0
249 30.3 24.1 36.1





#69

Atrazine

Concen: 4.139 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

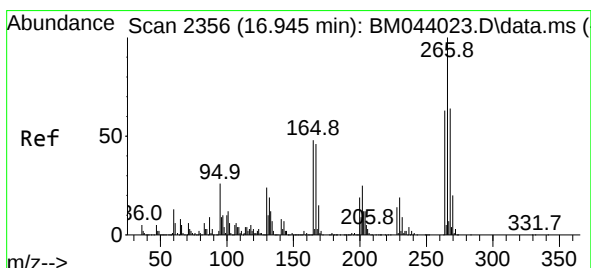
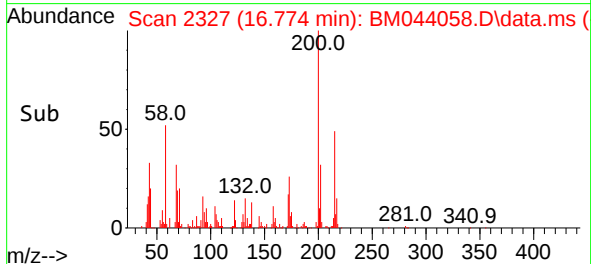
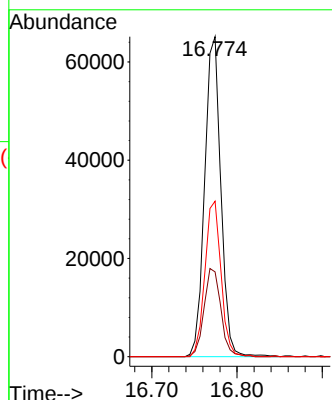
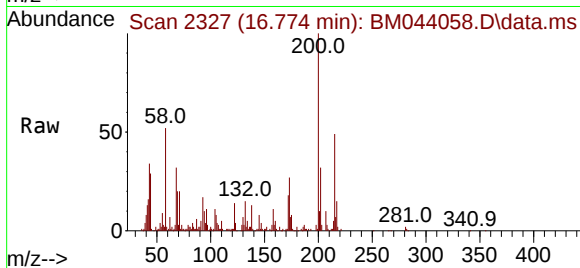
Tgt Ion:200 Resp: 8595
 Ion Ratio Lower Upper
 200 100
 173 26.5 7.9 47.9
 215 48.6 27.9 67.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#70

Pentachlorophenol

Concen: 2.462 ng

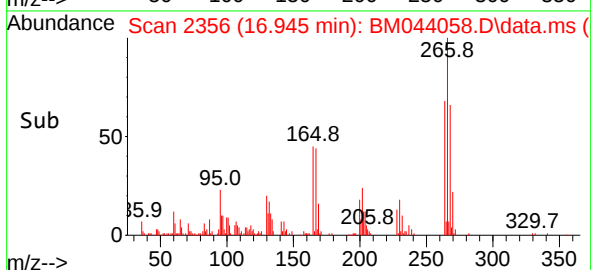
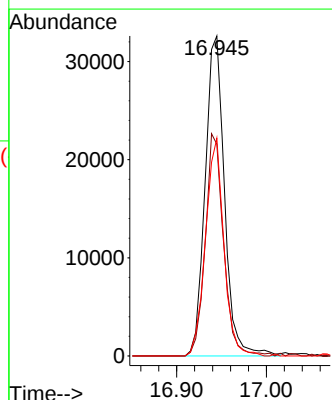
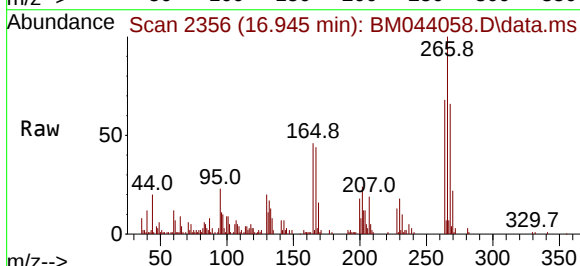
RT: 16.945 min Scan# 2356

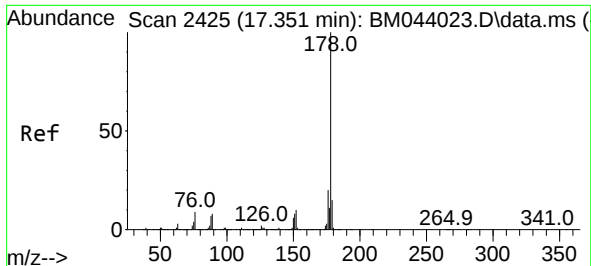
Delta R.T. 0.000 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

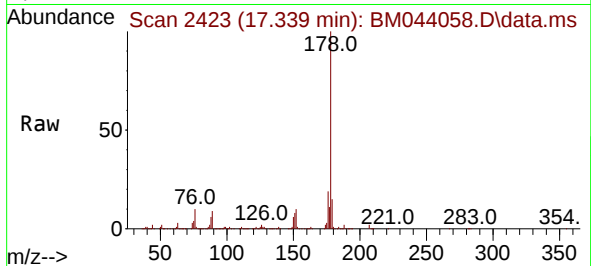
Tgt Ion:266 Resp: 48964
 Ion Ratio Lower Upper
 266 100
 268 66.2 51.1 76.7
 264 68.0 50.5 75.7





#71
Phenanthrene
Concen: 3.906 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

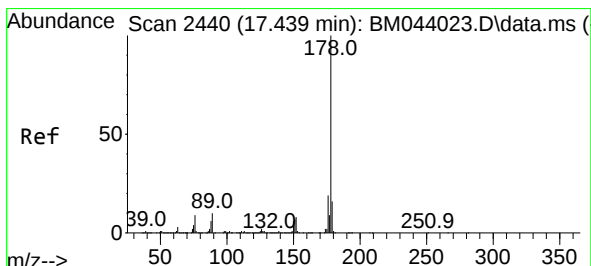
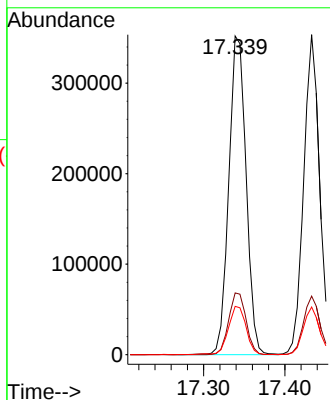
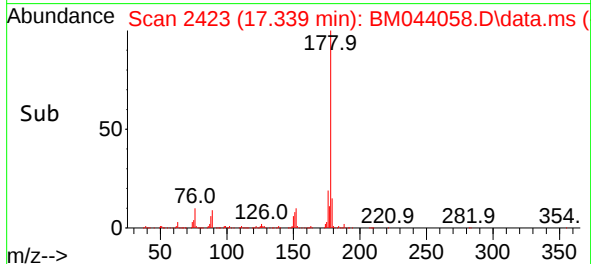
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:178 Resp: 52072
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.2 12.2 18.4

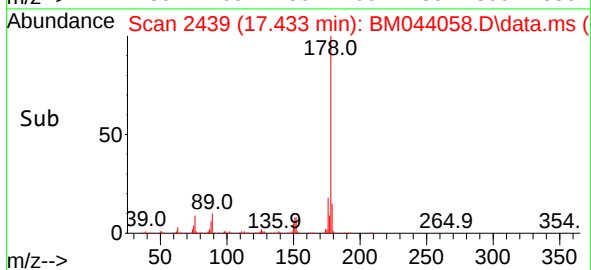
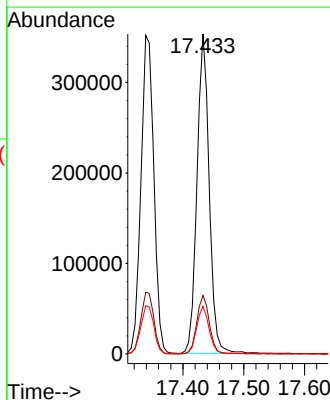
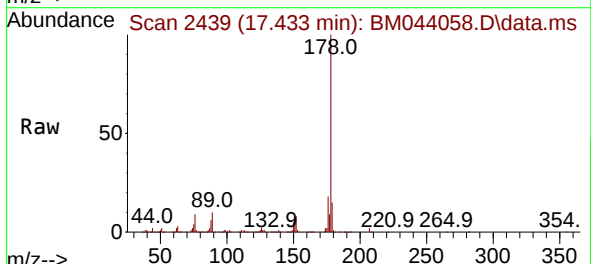
Manual Integrations
APPROVED

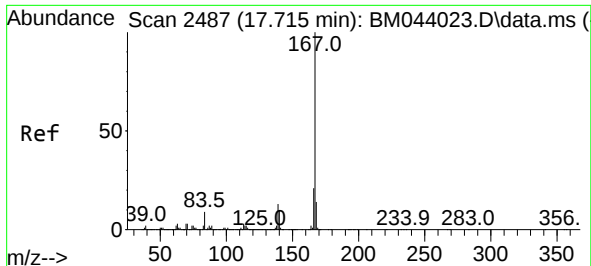
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#72
Anthracene
Concen: 3.728 ng
RT: 17.433 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

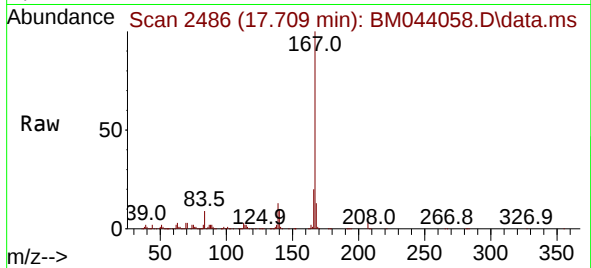
Tgt Ion:178 Resp: 491982
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 14.9 12.4 18.6





#73
 Carbazole
 Concen: 3.444 ng
 RT: 17.709 min Scan# 2487
 Delta R.T. -0.006 min
 Lab File: BM044058.D
 Acq: 12 Feb 2024 15:54

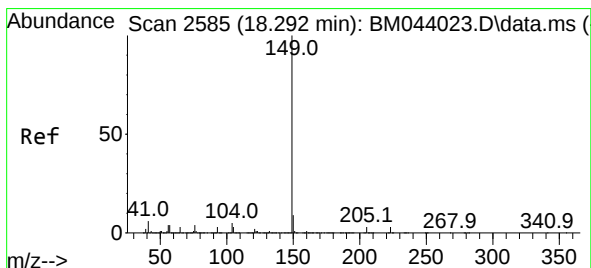
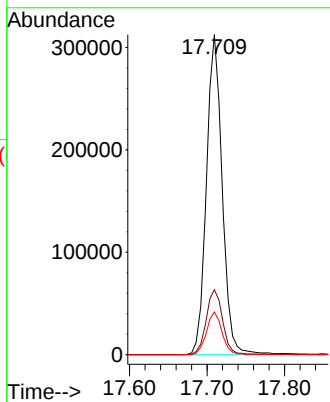
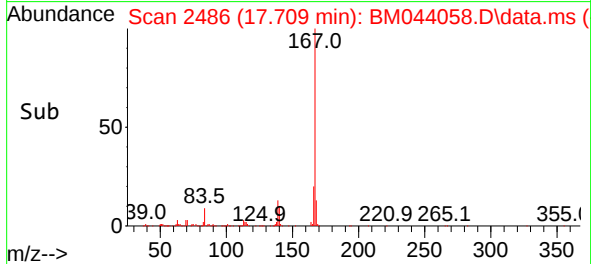
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2023



Tgt Ion:167 Resp: 442091
 Ion Ratio Lower Upper
 167 100
 166 20.3 16.8 25.2
 139 13.3 10.4 15.6

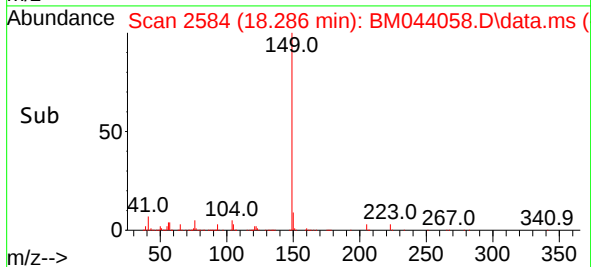
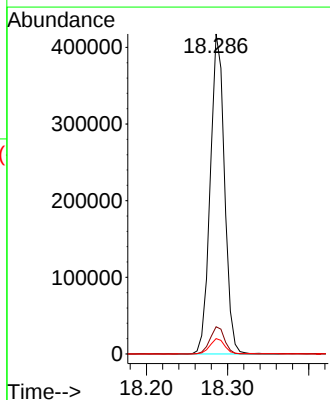
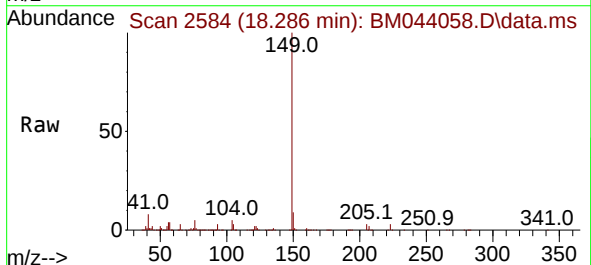
Manual Integrations
 APPROVED

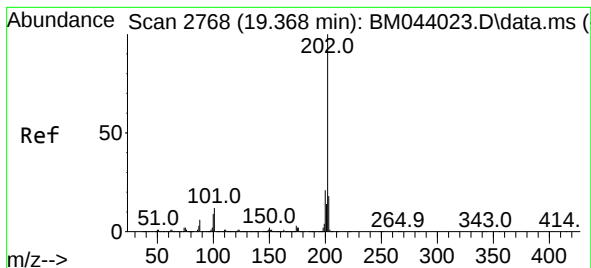
Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024



#74
 Di-n-butylphthalate
 Concen: 3.050 ng
 RT: 18.286 min Scan# 2584
 Delta R.T. -0.006 min
 Lab File: BM044058.D
 Acq: 12 Feb 2024 15:54

Tgt Ion:149 Resp: 508941
 Ion Ratio Lower Upper
 149 100
 150 8.5 7.4 11.2
 104 4.8 3.8 5.6





#75

Fluoranthene

Concen: 3.474 ng

RT: 19.362 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

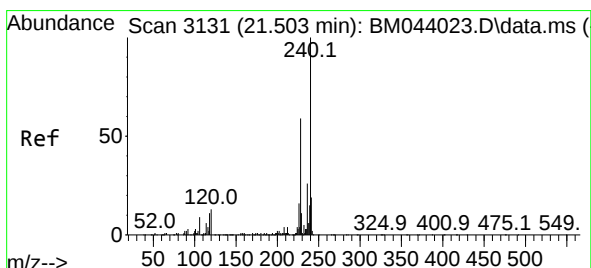
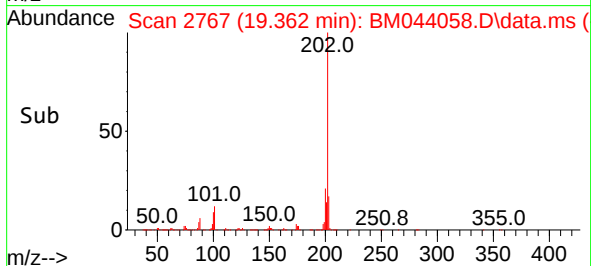
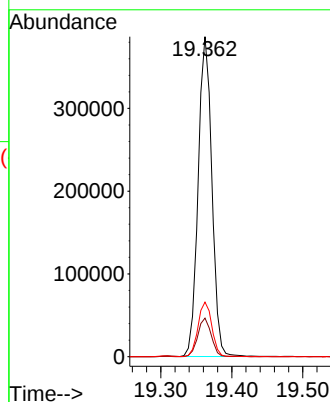
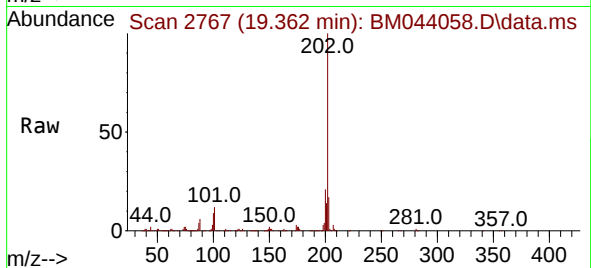
Tgt Ion:	202	Resp:	520218
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	32.4
203	17.1	0.0	37.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#76

Chrysene-d12

Concen: 20.000 ng

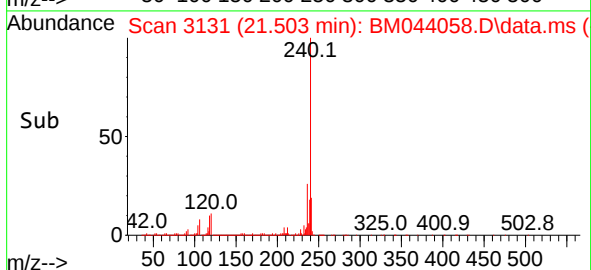
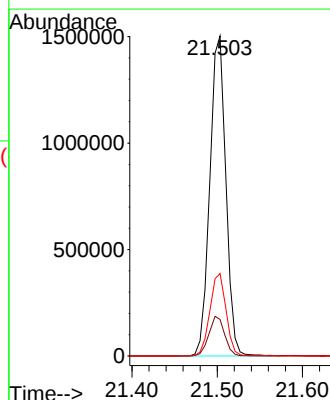
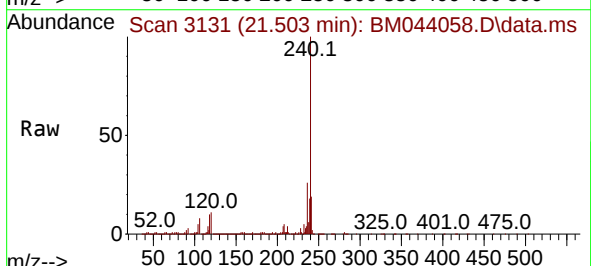
RT: 21.503 min Scan# 3131

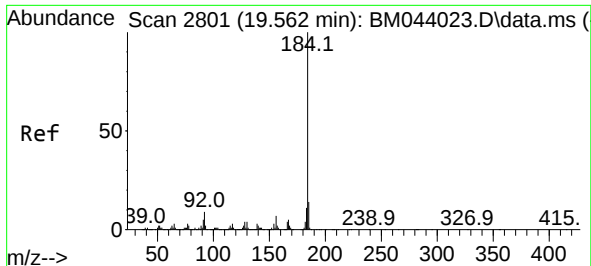
Delta R.T. 0.000 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

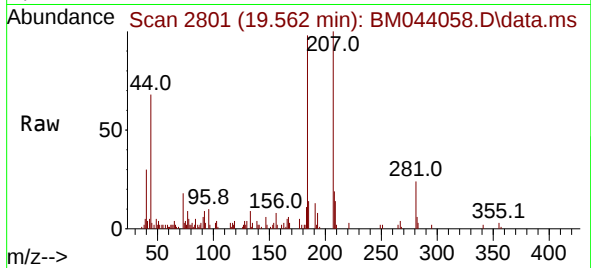
Tgt Ion:	240	Resp:	1968145
Ion Ratio	Lower	Upper	
240	100		
120	11.4	10.1	15.1
236	25.7	20.6	31.0





#77
Benzidine
Concen: 0.937 ng m
RT: 19.562 min Scan# 2801
Delta R.T. 0.000 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

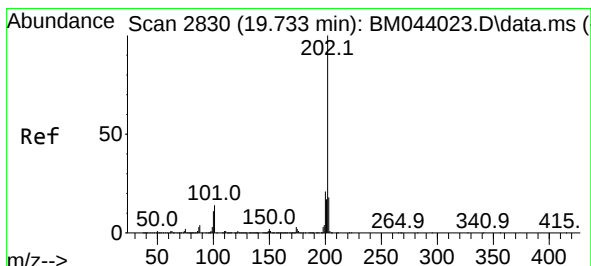
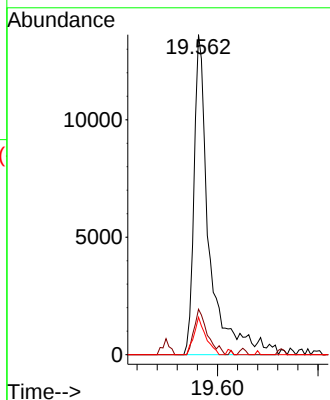
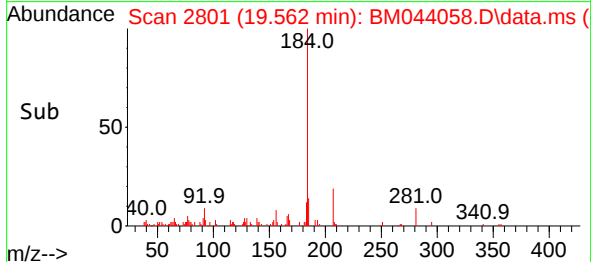
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:184 Resp: 28659
Ion Ratio Lower Upper
184 100
185 14.2 11.0 16.6
183 11.7 9.0 13.4

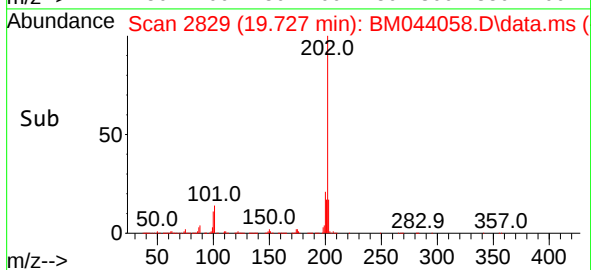
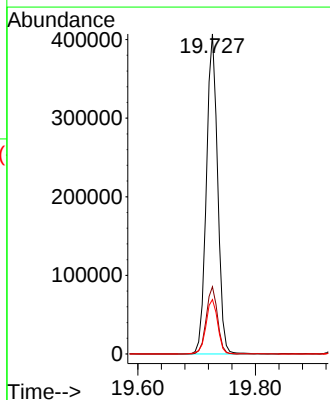
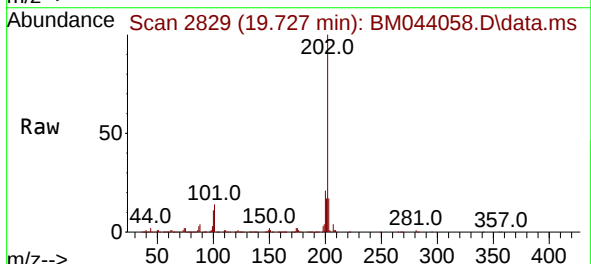
Manual Integrations
APPROVED

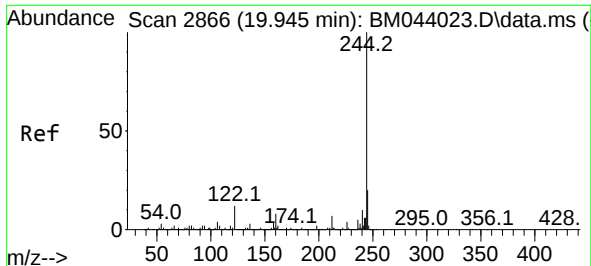
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#78
Pyrene
Concen: 3.558 ng
RT: 19.727 min Scan# 2829
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

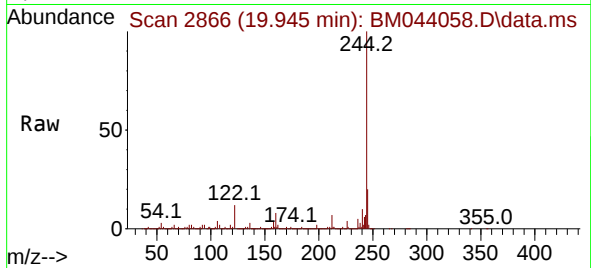
Tgt Ion:202 Resp: 539383
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 17.0 14.0 21.0





#79
 Terphenyl-d14
 Concen: 79.509 ng
 RT: 19.945 min Scan# 2866
 Delta R.T. 0.000 min
 Lab File: BM044058.D
 Acq: 12 Feb 2024 15:54

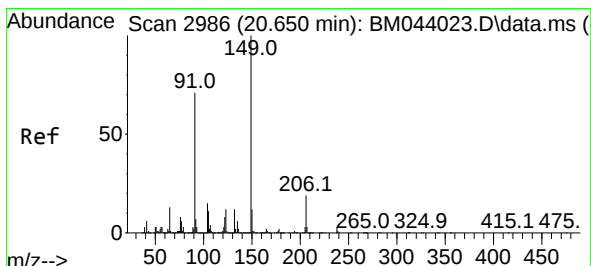
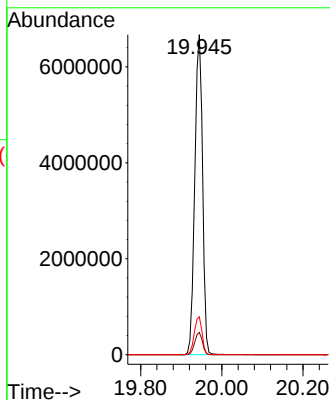
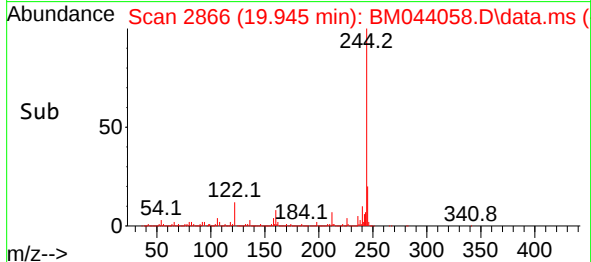
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2023



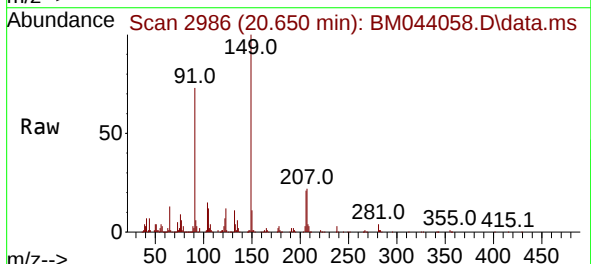
Tgt Ion:244 Resp: 8926578
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 11.8 9.5 14.3

Manual Integrations
 APPROVED

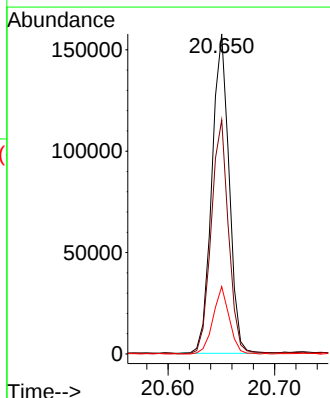
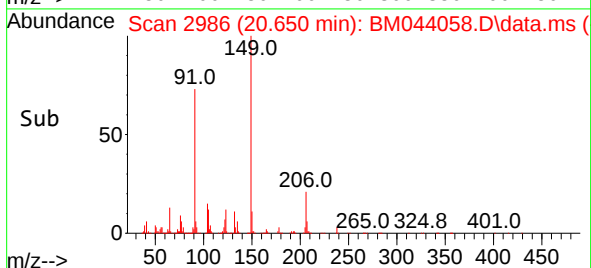
Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024

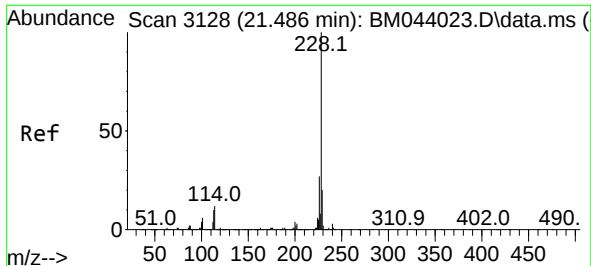


#80
 Butylbenzylphthalate
 Concen: 2.630 ng
 RT: 20.650 min Scan# 2986
 Delta R.T. 0.000 min
 Lab File: BM044058.D
 Acq: 12 Feb 2024 15:54



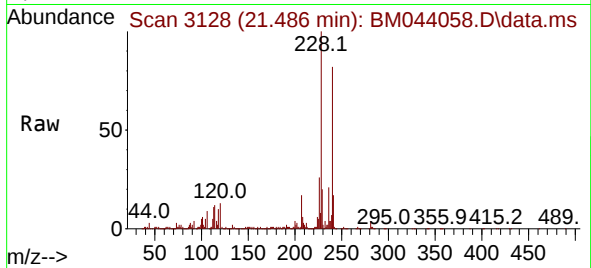
Tgt Ion:149 Resp: 177217
 Ion Ratio Lower Upper
 149 100
 91 73.2 56.8 85.2
 206 21.0 15.0 22.6





#81
Benzo(a)anthracene
Concen: 3.637 ng
RT: 21.486 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

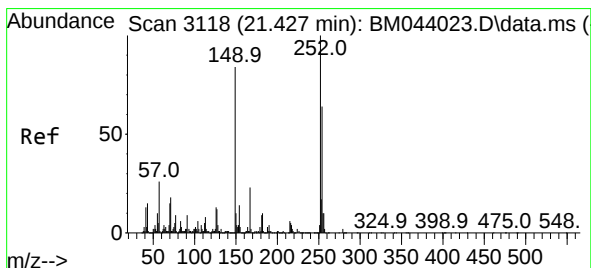
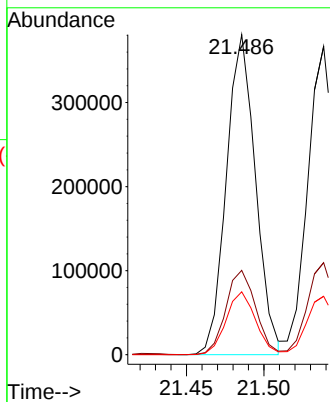
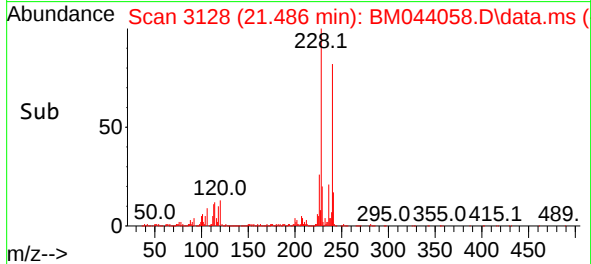
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:228 Resp: 497970
Ion Ratio Lower Upper
228 100
226 26.4 21.4 32.2
229 19.7 15.9 23.9

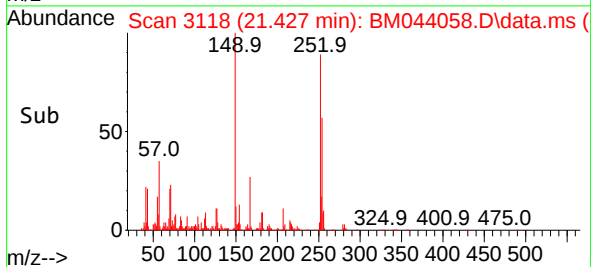
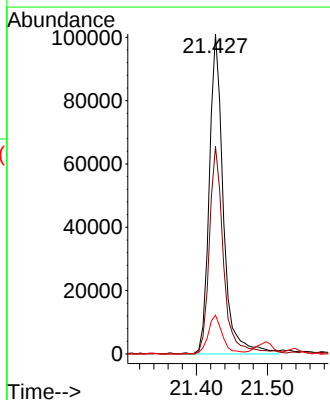
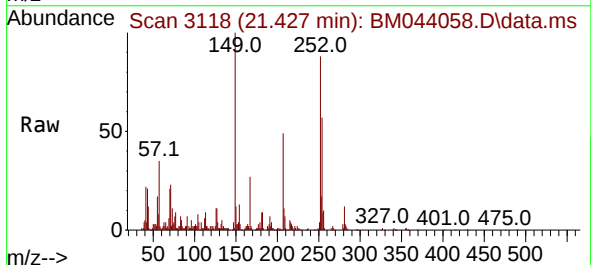
Manual Integrations
APPROVED

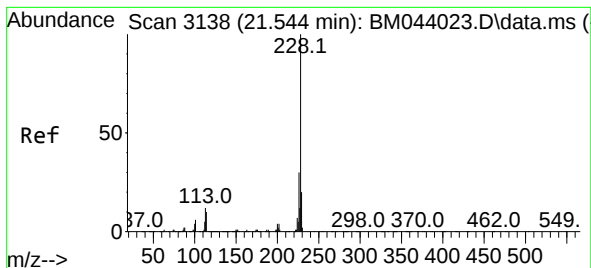
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#82
3,3'-Dichlorobenzidine
Concen: 3.097 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:252 Resp: 139104
Ion Ratio Lower Upper
252 100
254 64.8 51.2 76.8
126 12.1 10.2 15.4





#83

Chrysene

Concen: 3.662 ng

RT: 21.539 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

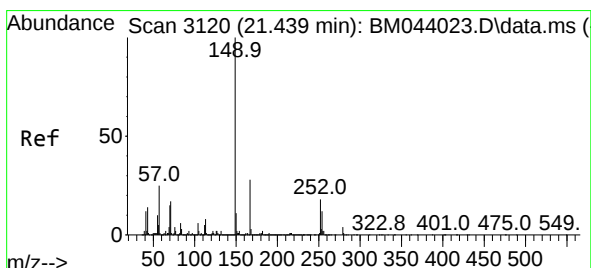
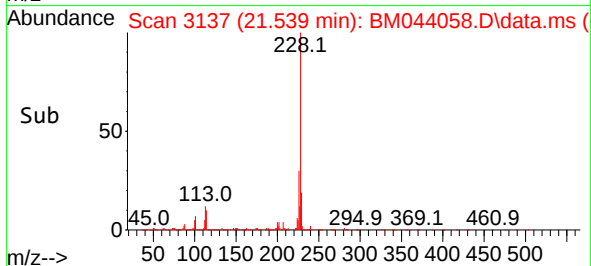
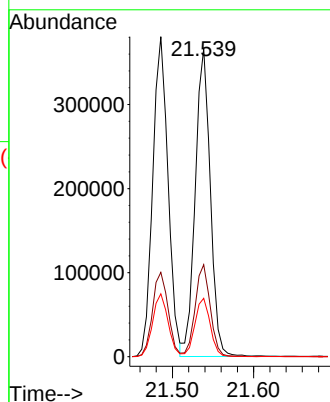
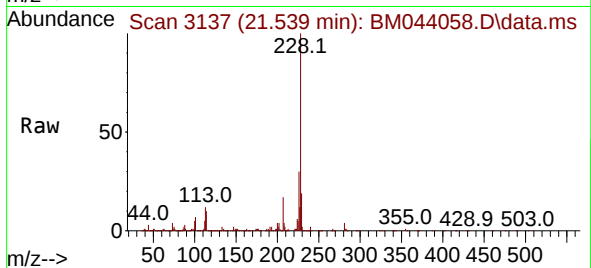
Tgt Ion:228 Resp: 473679
 Ion Ratio Lower Upper
 228 100
 226 29.9 24.2 36.2
 229 19.0 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.728 ng

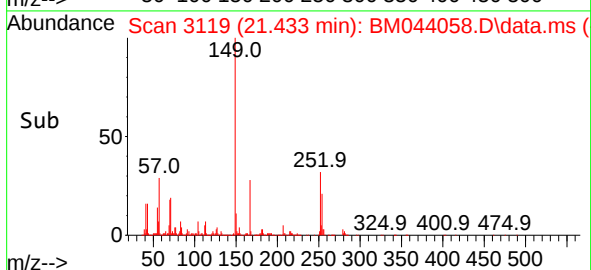
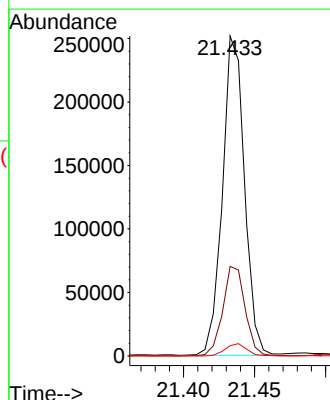
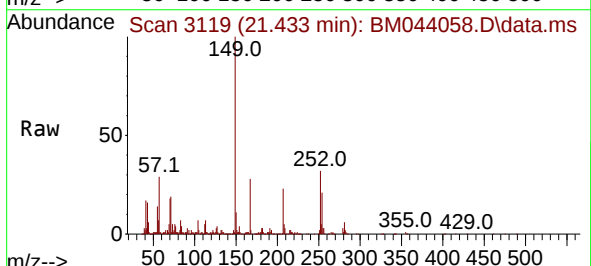
RT: 21.433 min Scan# 3119

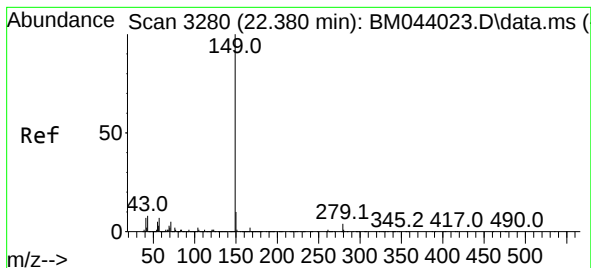
Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Tgt Ion:149 Resp: 271154
 Ion Ratio Lower Upper
 149 100
 167 28.0 22.6 33.8
 279 3.2 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 2.338 ng

RT: 22.374 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

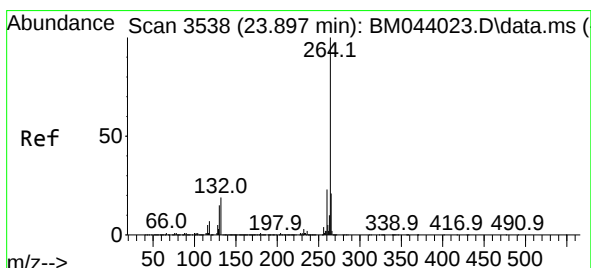
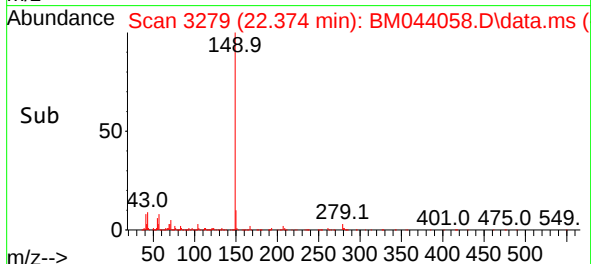
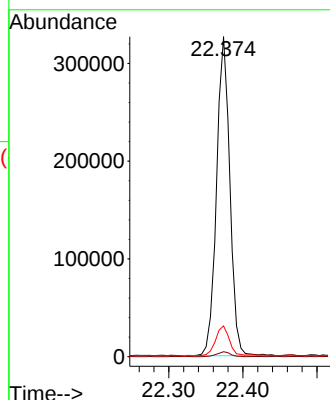
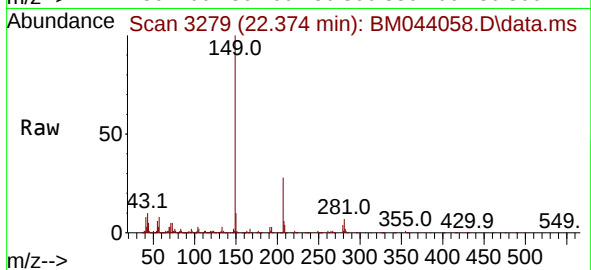
Tgt Ion:	149	Resp:	405954
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	10.2	7.0	10.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#86

Perylene-d12

Concen: 20.000 ng

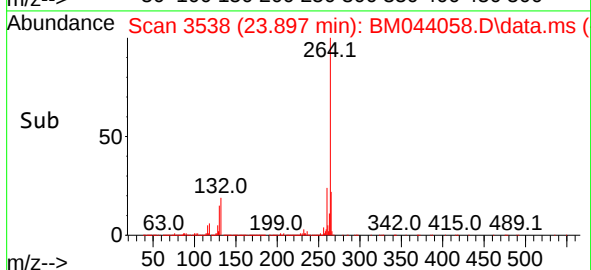
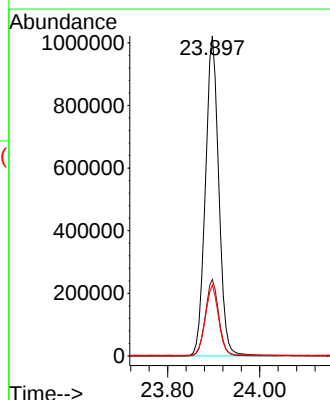
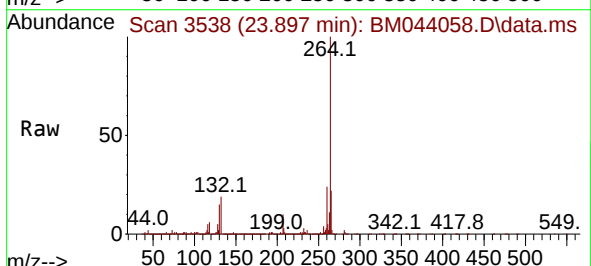
RT: 23.897 min Scan# 3538

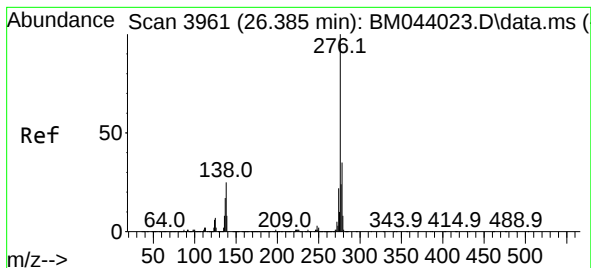
Delta R.T. 0.000 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Tgt Ion:	264	Resp:	2074183
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.8	28.2
265	22.1	17.3	25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.403 ng

RT: 26.374 min Scan# 3959

Delta R.T. -0.012 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

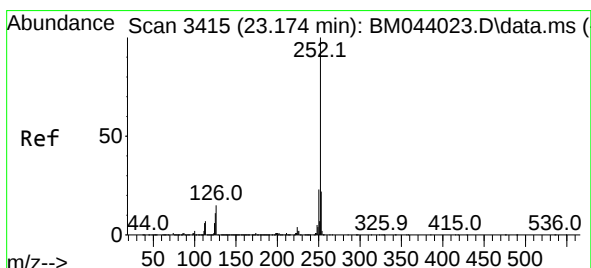
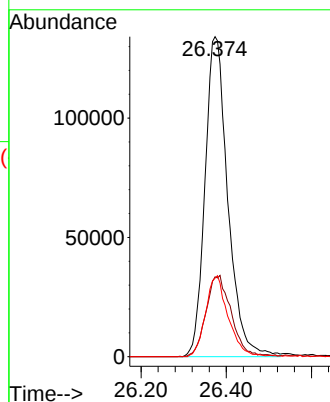
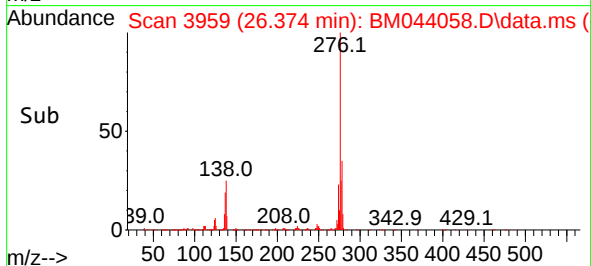
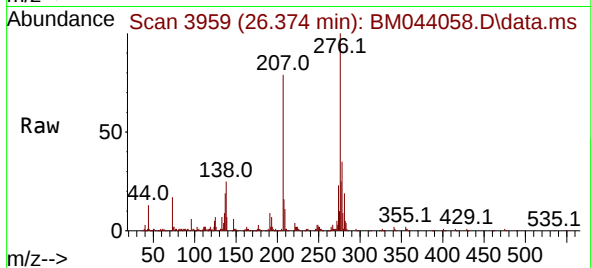
Tgt Ion:	276	Resp:	499510
Ion Ratio	Lower	Upper	
276	100		
138	28.2	22.6	34.0
277	24.9	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#88

Benzo(b)fluoranthene

Concen: 3.573 ng

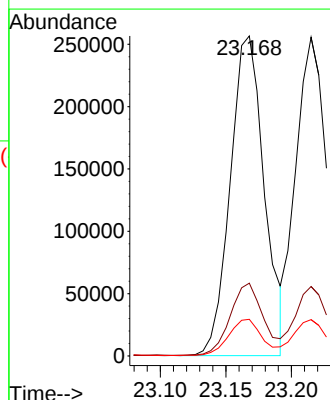
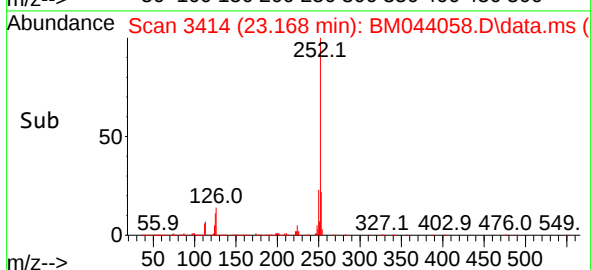
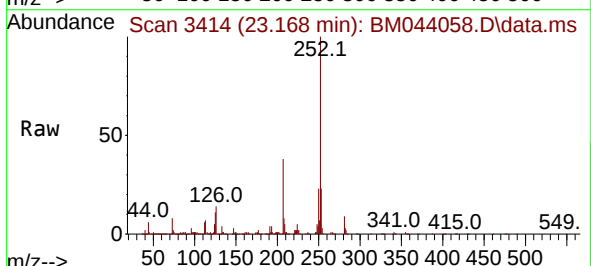
RT: 23.168 min Scan# 3414

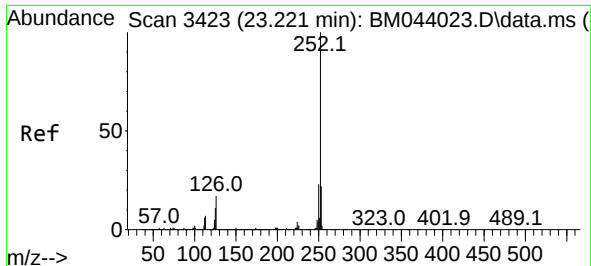
Delta R.T. -0.006 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Tgt Ion:	252	Resp:	463221
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.6	26.4
125	11.5	8.8	13.2





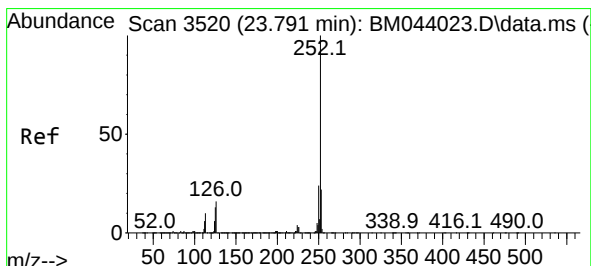
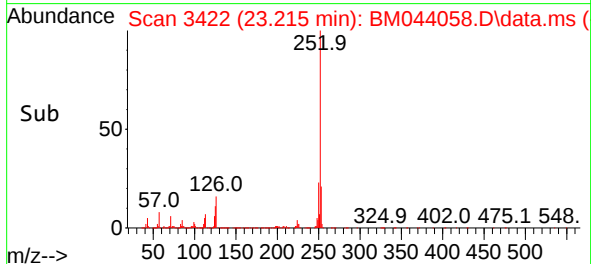
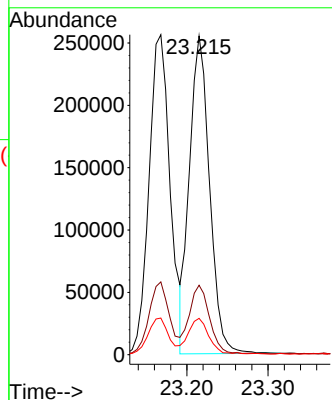
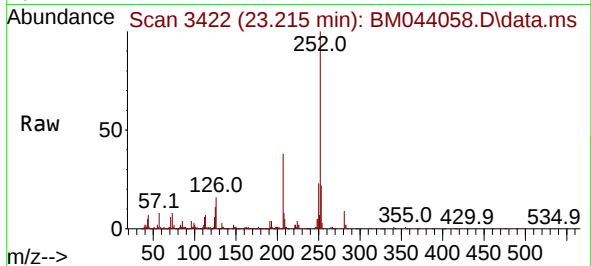
#89
Benzo(k)fluoranthene
Concen: 3.569 ng
RT: 23.215 min Scan# 3423
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Instrument : BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion:252 Resp: 43966
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 11.4 9.0 13.4

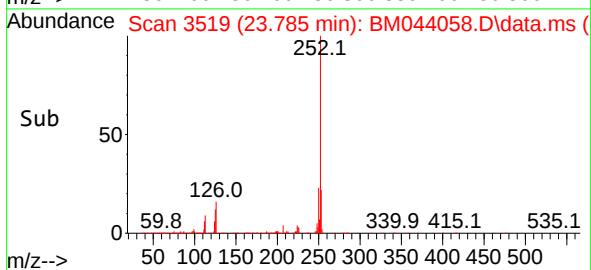
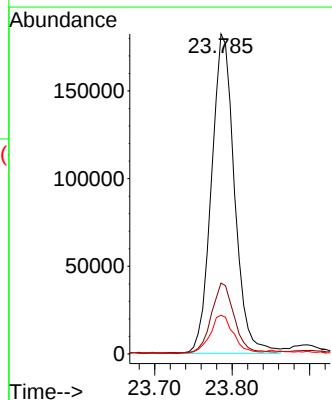
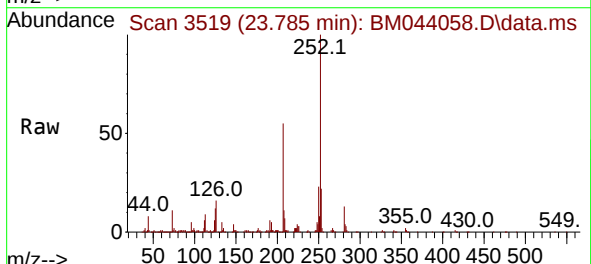
Manual Integrations
APPROVED

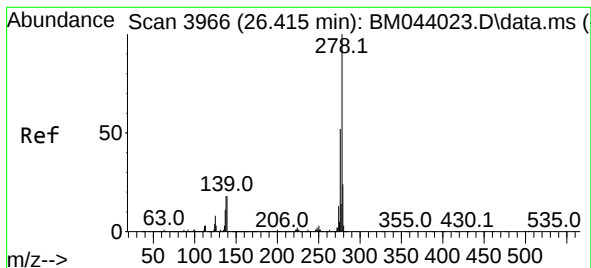
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#90
Benzo(a)pyrene
Concen: 3.324 ng
RT: 23.785 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BM044058.D
Acq: 12 Feb 2024 15:54

Tgt Ion:252 Resp: 376498
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 12.1 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 3.449 ng

RT: 26.397 min Scan# 3966

Delta R.T. -0.018 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

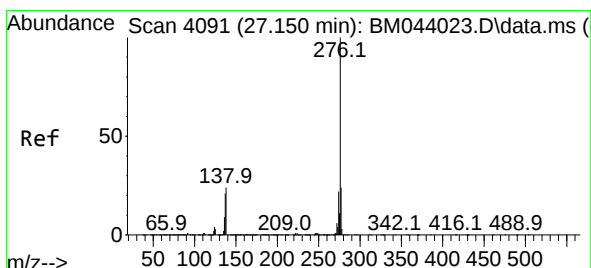
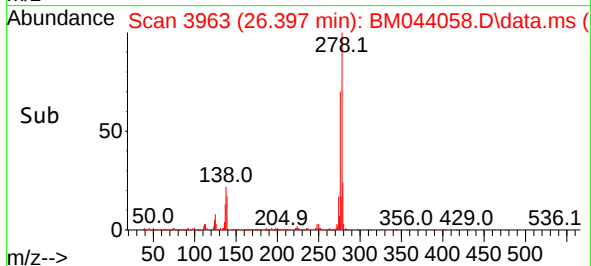
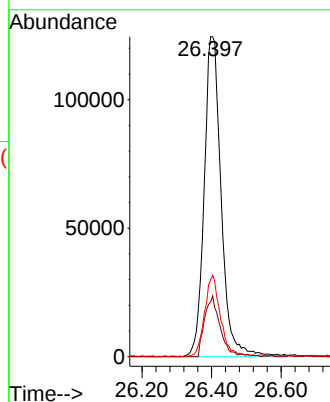
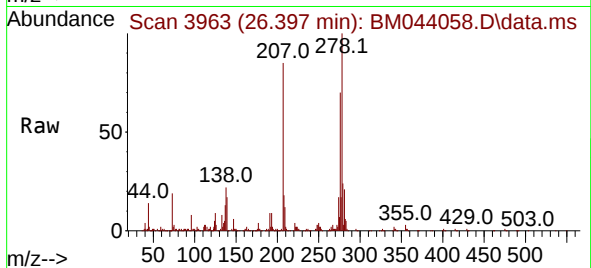
Tgt Ion:	278	Resp:	42353
Ion Ratio	Lower	Upper	
278	100		
139	17.1	14.5	21.7
279	24.0	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#92

Benzo(g,h,i)perylene

Concen: 3.305 ng

RT: 27.138 min Scan# 4089

Delta R.T. -0.012 min

Lab File: BM044058.D

Acq: 12 Feb 2024 15:54

Tgt Ion:	276	Resp:	411535
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.0	28.4
138	22.9	19.1	28.7

