

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
 Data File : BM044053.D
 Acq On : 12 Feb 2024 12:53
 Operator : MA/JU
 Sample : 03572-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Quant Time: Feb 12 14:02:32 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	471976	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	1926225	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1082116	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	2085038	20.000	ng	0.00
76) Chrysene-d12	21.503	240	1662047	20.000	ng	0.00
86) Perylene-d12	23.897	264	1832461	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	2731323	84.168	ng	0.00
7) Phenol-d6	7.075	99	3478441	84.247	ng	0.00
23) Nitrobenzene-d5	9.075	82	2257829	62.199	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	985253	84.092	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	4751835	61.975	ng	0.00
79) Terphenyl-d14	19.945	244	5767845	60.836	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	84609	6.570	ng	97
3) Pyridine	3.787	79	188622	5.548	ng	96
4) n-Nitrosodimethylamine	3.710	42	77808	6.031	ng	# 94
6) Aniline	7.240	93	287294	7.077	ng	97
8) 2-Chlorophenol	7.469	128	202460	5.974	ng	98
9) Benzaldehyde	7.051	77	182999m	8.625	ng	
10) Phenol	7.098	94	255056	6.121	ng	96
11) bis(2-Chloroethyl)ether	7.340	93	210866	6.111	ng	98
12) 1,3-Dichlorobenzene	7.793	146	229253	5.959	ng	99
13) 1,4-Dichlorobenzene	7.940	146	233590	6.023	ng	98
14) 1,2-Dichlorobenzene	8.257	146	221180	5.985	ng	97
15) Benzyl Alcohol	8.151	79	159233	5.923	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.445	45	274688	6.279	ng	99
17) 2-Methylphenol	8.351	107	159165	5.819	ng	98
18) Hexachloroethane	8.981	117	83516	5.751	ng	96
19) n-Nitroso-di-n-propyla...	8.722	70	153119	6.039	ng	99
20) 3+4-Methylphenols	8.681	107	211590	5.620	ng	98
22) Acetophenone	8.734	105	314855	6.440	ng	# 97
24) Nitrobenzene	9.116	77	230507	6.201	ng	98
25) Isophorone	9.639	82	398108	5.696	ng	100
26) 2-Nitrophenol	9.828	139	87173	5.058	ng	98
27) 2,4-Dimethylphenol	9.887	122	153470	6.964	ng	97
28) bis(2-Chloroethoxy)met...	10.134	93	273188	6.043	ng	98
29) 2,4-Dichlorophenol	10.351	162	161651	5.572	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	194010	5.947	ng	99
31) Naphthalene	10.757	128	636990	5.992	ng	100
32) Benzoic acid	9.957	122	67742	3.052	ng	92
33) 4-Chloroaniline	10.875	127	248023	6.161	ng	99
34) Hexachlorobutadiene	11.034	225	107945	5.780	ng	97
35) Caprolactam	11.645	113	44854	4.804	ng	96
36) 4-Chloro-3-methylphenol	11.998	107	169446	5.393	ng	98
37) 2-Methylnaphthalene	12.369	142	413800	5.843	ng	99
38) 1-Methylnaphthalene	12.592	142	401324	5.767	ng	99
40) 1,2,4,5-Tetrachloroben...	12.733	216	195572	6.218	ng	99
41) Hexachlorocyclopentadiene	12.704	237	99707	7.264	ng	98
43) 2,4,6-Trichlorophenol	12.980	196	113600	5.307	ng	99

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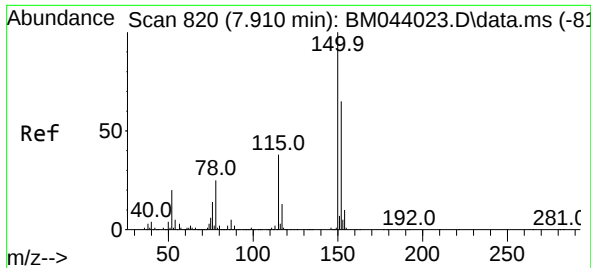
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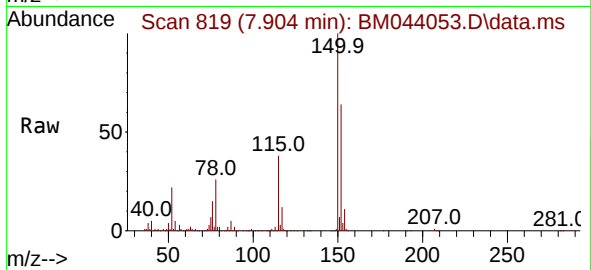
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	123832	5.272	ng	97
46) 1,1'-Biphenyl	13.386	154	547584	6.413	ng	99
47) 2-Chloronaphthalene	13.427	162	414157	6.123	ng	98
48) 2-Nitroaniline	13.639	65	101867	5.353	ng	92
49) Acenaphthylene	14.269	152	659291	6.534	ng	99
50) Dimethylphthalate	14.016	163	481070	5.996	ng	100
51) 2,6-Dinitrotoluene	14.139	165	92889	5.248	ng	93
52) Acenaphthene	14.610	154	378269	6.057	ng	98
53) 3-Nitroaniline	14.463	138	99355	5.223	ng	91
54) 2,4-Dinitrophenol	14.669	184	30692	8.274	ng	97
55) Dibenzofuran	14.951	168	612602	6.337	ng	99
56) 4-Nitrophenol	14.769	139	67039	4.335	ng	94
57) 2,4-Dinitrotoluene	14.922	165	111352	4.813	ng	93
58) Fluorene	15.598	166	474807	6.357	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.174	232	103121	5.594	ng	98
60) Diethylphthalate	15.380	149	461680	5.568	ng	99
61) 4-Chlorophenyl-phenyle...	15.598	204	225732	6.237	ng	98
62) 4-Nitroaniline	15.627	138	90377	4.720	ng	93
63) Azobenzene	15.892	77	453050	5.824	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	48045	3.867	ng	96
66) n-Nitrosodiphenylamine	15.816	169	386216	6.097	ng	100
67) 4-Bromophenyl-phenylether	16.498	248	112583	5.461	ng	98
68) Hexachlorobenzene	16.592	284	151131	5.985	ng	98
69) Atrazine	16.774	200	117791	6.867	ng	100
70) Pentachlorophenol	16.945	266	70842	4.312	ng	96
71) Phenanthrene	17.345	178	703890	6.393	ng	99
72) Anthracene	17.433	178	665380	6.104	ng	100
73) Carbazole	17.710	167	614335	5.795	ng	99
74) Di-n-butylphthalate	18.286	149	678727	4.926	ng	99
75) Fluoranthene	19.362	202	708832	5.731	ng	99
77) Benzidine	19.562	184	226869	8.784	ng	99
78) Pyrene	19.727	202	748288	5.846	ng	99
80) Butylbenzylphthalate	20.651	149	246753	4.337	ng	98
81) Benzo(a)anthracene	21.486	228	692830	5.993	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	219514	5.787	ng	99
83) Chrysene	21.539	228	640773	5.867	ng	100
84) Bis(2-ethylhexyl)phtha...	21.439	149	369088	4.396	ng	100
85) Di-n-octyl phthalate	22.374	149	580634	3.960	ng	98
87) Indeno(1,2,3-cd)pyrene	26.380	276	755578	5.826	ng	99
88) Benzo(b)fluoranthene	23.168	252	653838	5.708	ng	99
89) Benzo(k)fluoranthene	23.215	252	641197	5.891	ng	99
90) Benzo(a)pyrene	23.791	252	554048	5.537	ng	100
91) Dibenzo(a,h)anthracene	26.409	278	643911	5.935	ng	98
92) Benzo(g,h,i)perylene	27.132	276	620409	5.639	ng	99

(#) = 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: BM044053.D
Acq: 12 Feb 2024 12:53

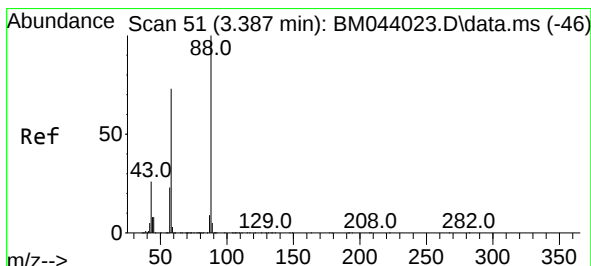
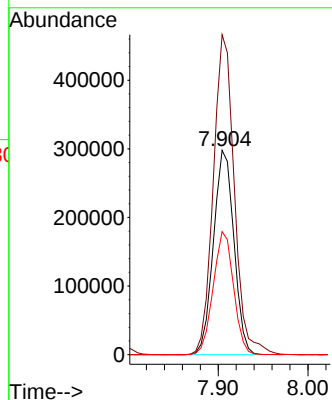
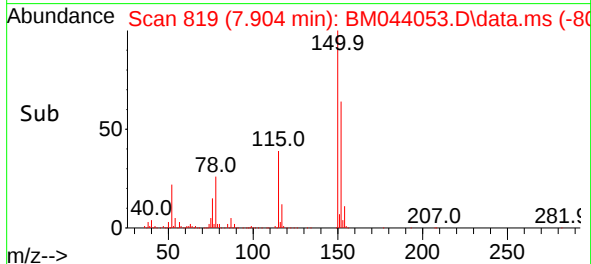
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:152 Resp: 471970
Ion Ratio Lower Upper
152 100
150 156.6 122.7 184.1
115 60.3 47.0 70.6

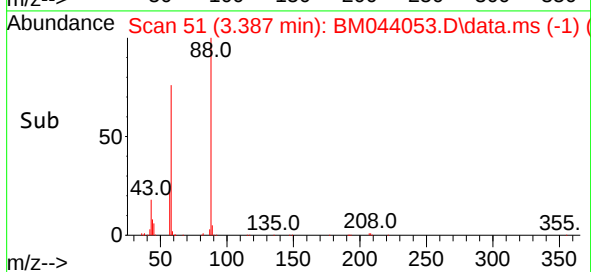
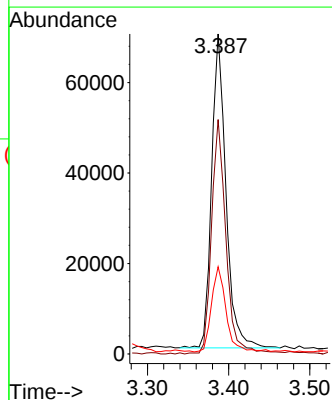
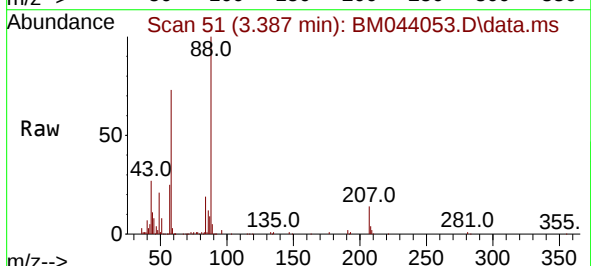
Manual Integrations
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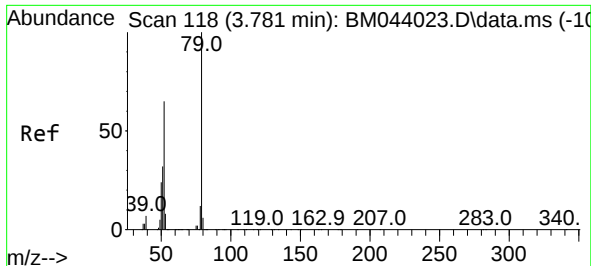
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#2
1,4-Dioxane
Concen: 6.570 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

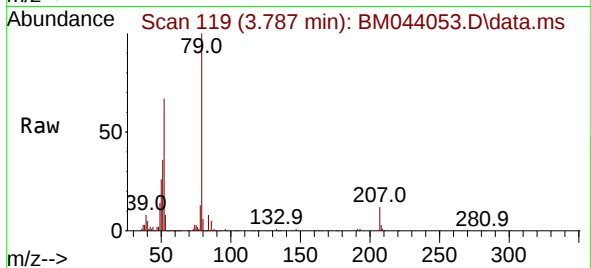
Tgt Ion: 88 Resp: 84609
Ion Ratio Lower Upper
88 100
58 75.4 58.1 87.1
43 27.8 21.1 31.7





#3
Pyridine
Concen: 5.548 ng
RT: 3.787 min Scan# 118
Delta R.T. 0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

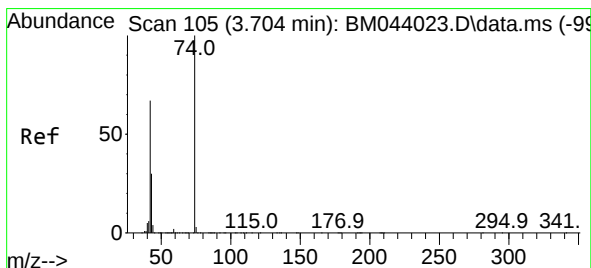
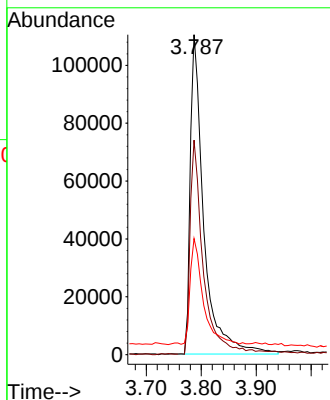
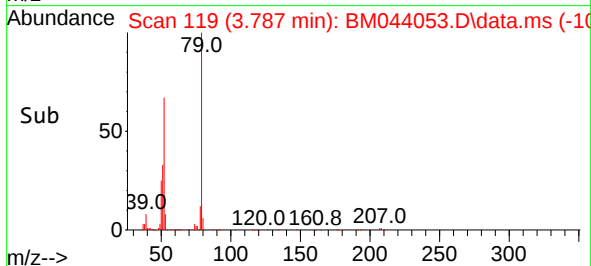
Instrument :
BNA_M
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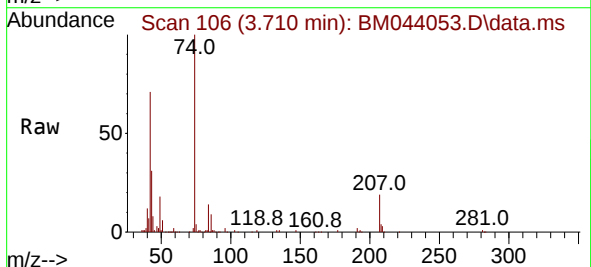
Tgt Ion: 79 Resp: 18862
Ion Ratio Lower Upper
79 100
52 67.0 52.2 78.2
51 36.3 26.2 39.4

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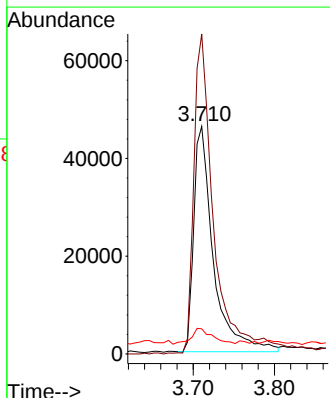
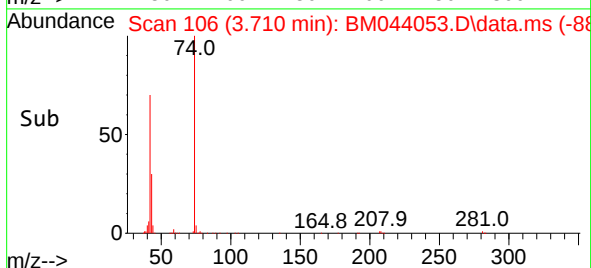
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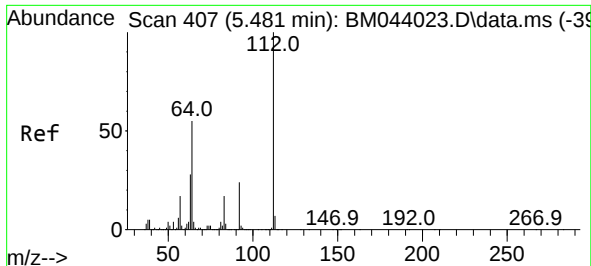


#4
n-Nitrosodimethylamine
Concen: 6.031 ng
RT: 3.710 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



Tgt Ion: 42 Resp: 77808
Ion Ratio Lower Upper
42 100
74 140.6 118.6 178.0
44 11.1 5.6 8.4





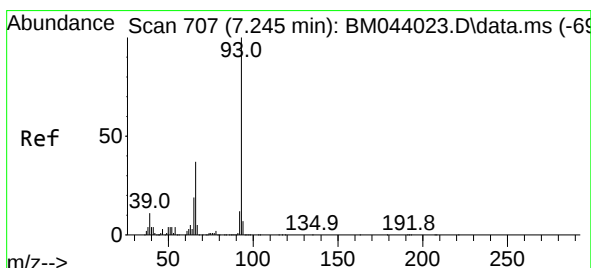
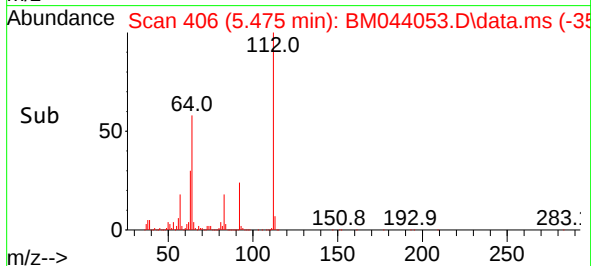
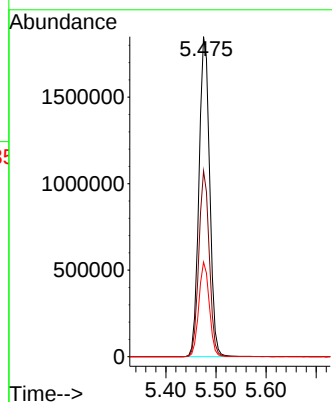
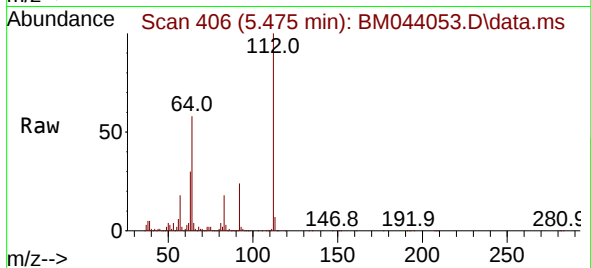
#5
2-Fluorophenol
Concen: 84.168 ng
RT: 5.475 min Scan# 407
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Instrument :
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ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:112 Resp: 273132
Ion Ratio Lower Upper
112 100
64 58.1 44.2 66.4
63 29.5 22.6 34.0

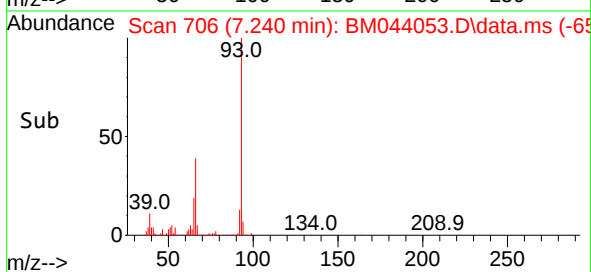
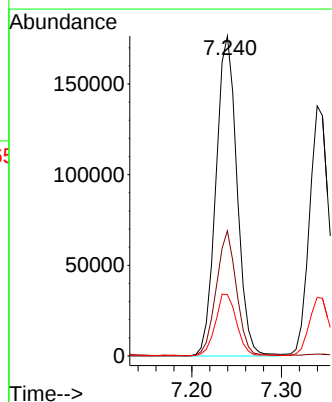
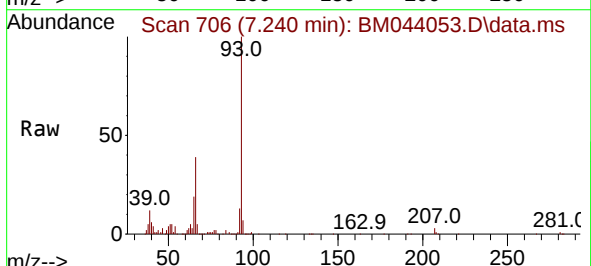
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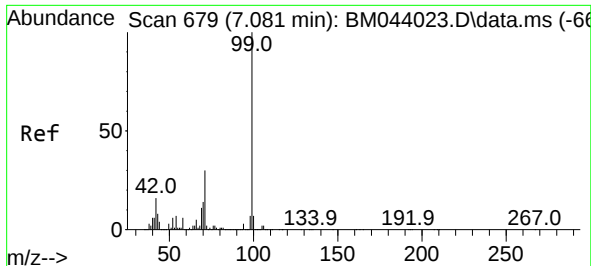
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#6
Aniline
Concen: 7.077 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.006 min
Lab File: BM044053.D
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Tgt Ion: 93 Resp: 287294
Ion Ratio Lower Upper
93 100
66 39.1 29.4 44.0
65 19.2 15.2 22.8





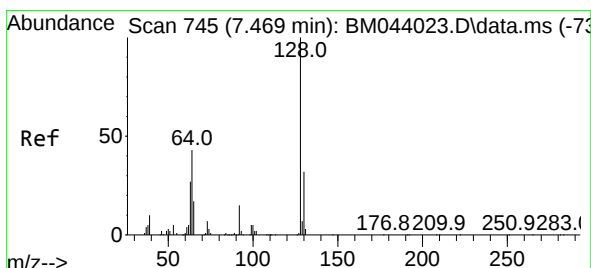
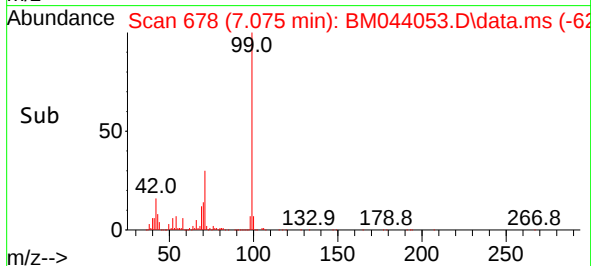
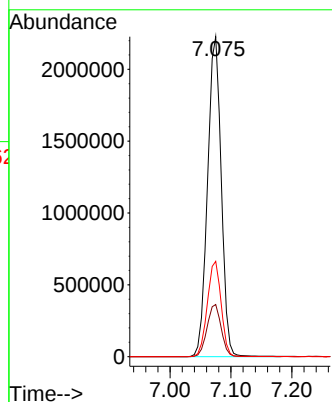
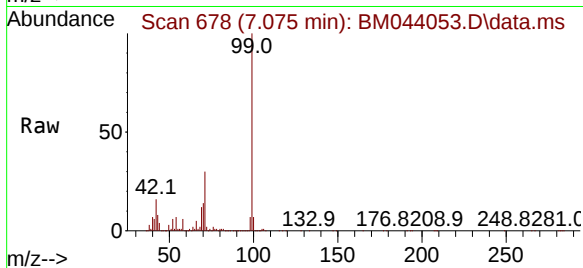
#7
Phenol-d6
Concen: 84.247 ng
RT: 7.075 min Scan# 679
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

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Tgt Ion: 99 Resp: 347844
Ion Ratio Lower Upper
99 100
42 16.3 12.9 19.3
71 29.8 23.9 35.9

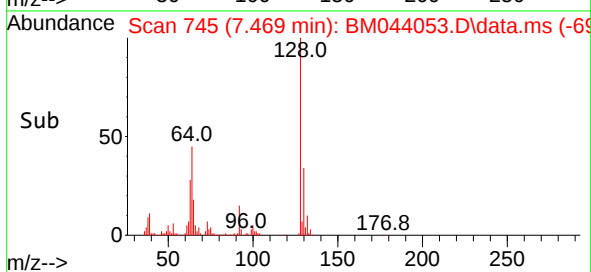
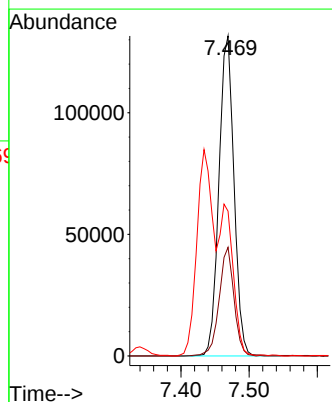
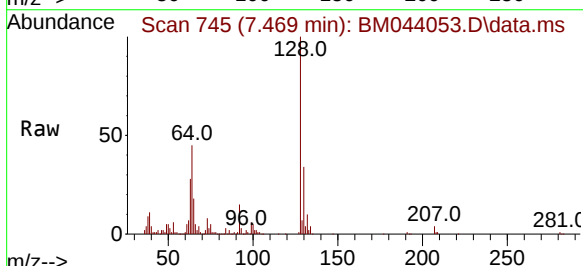
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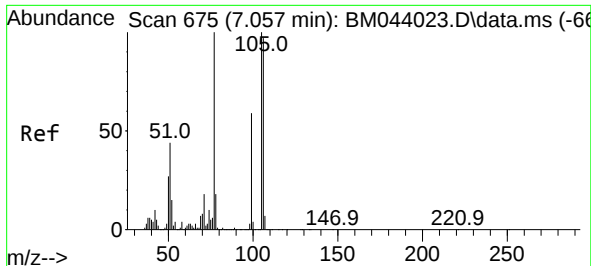
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#8
2-Chlorophenol
Concen: 5.974 ng
RT: 7.469 min Scan# 745
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

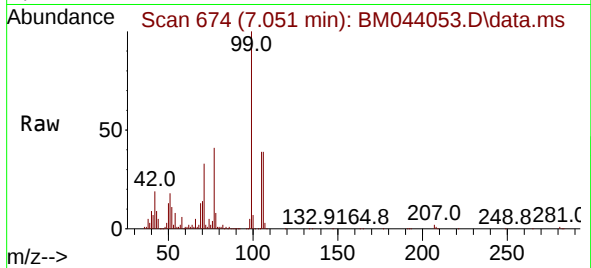
Tgt Ion:128 Resp: 202460
Ion Ratio Lower Upper
128 100
130 33.9 12.1 52.1
64 45.2 26.0 66.0





#9
Benzaldehyde
Concen: 8.625 ng m
RT: 7.051 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

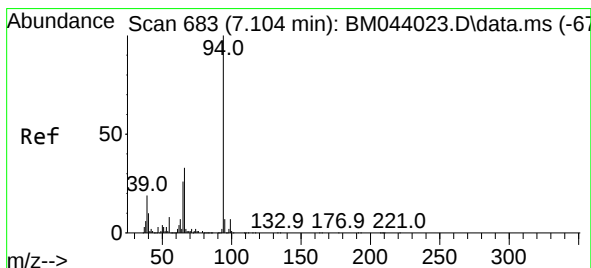
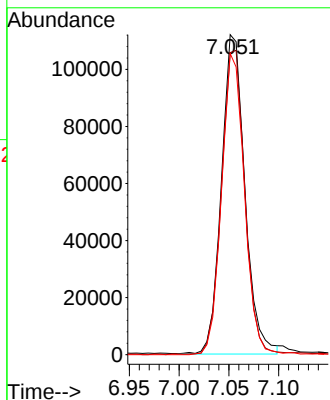
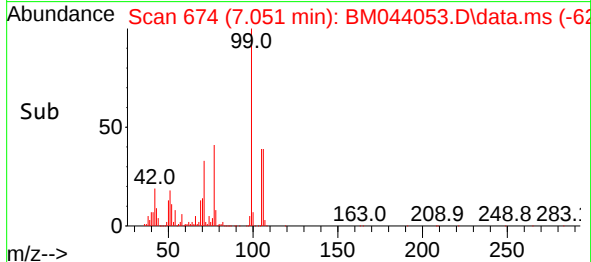
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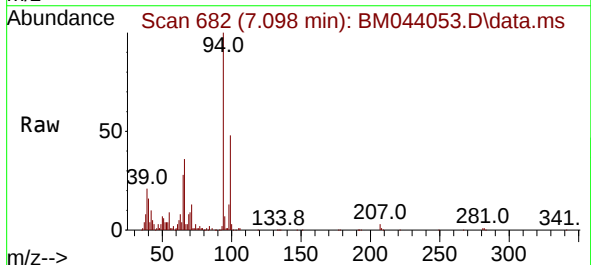
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Ion Ratio Lower Upper
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105 94.4 80.0 120.0
106 94.1 76.8 116.8

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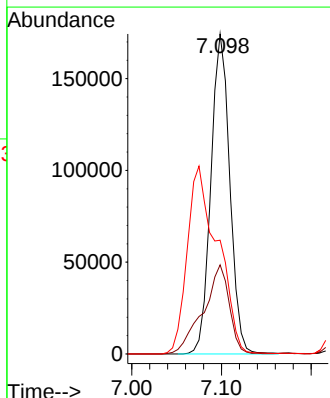
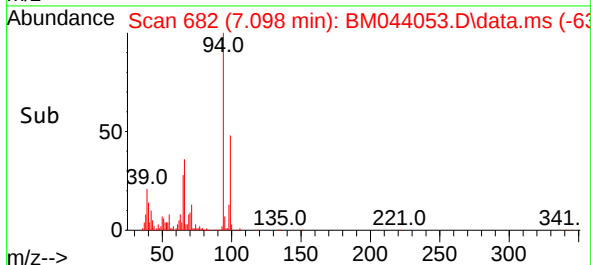
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#10
Phenol
Concen: 6.121 ng
RT: 7.098 min Scan# 682
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



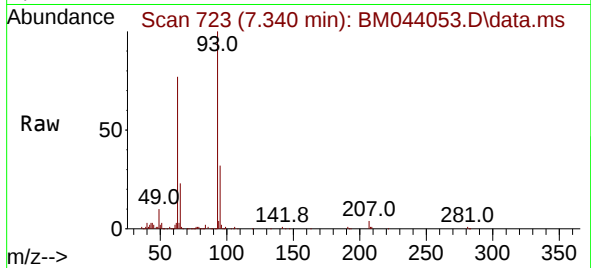
Tgt Ion: 94 Resp: 255056
Ion Ratio Lower Upper
94 100
65 27.8 6.4 46.4
66 35.6 13.2 53.2





#11
bis(2-Chloroethyl)ether
Concen: 6.111 ng
RT: 7.340 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

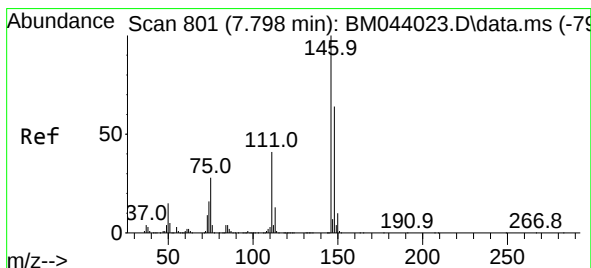
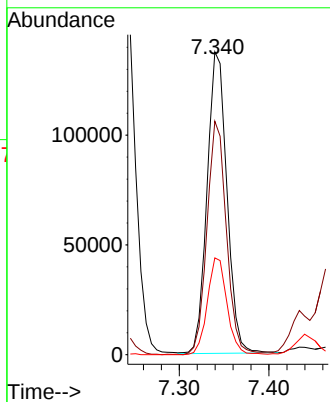
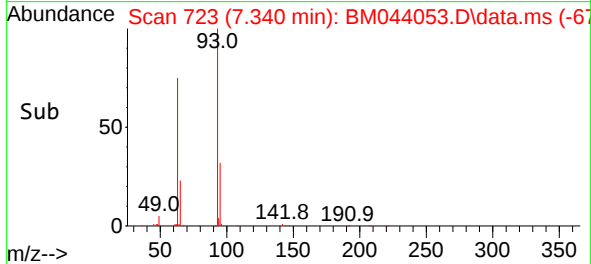
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion: 93 Resp: 210860
Ion Ratio Lower Upper
93 100
63 77.1 55.9 95.9
95 32.0 13.0 53.0

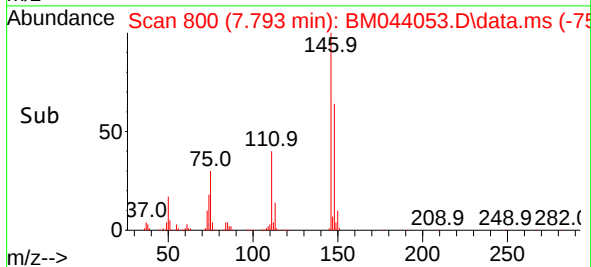
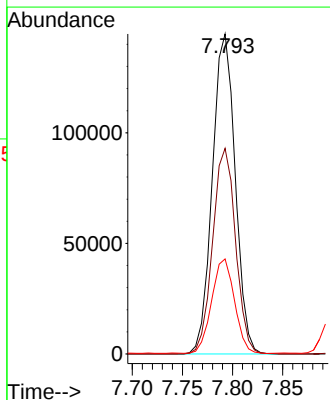
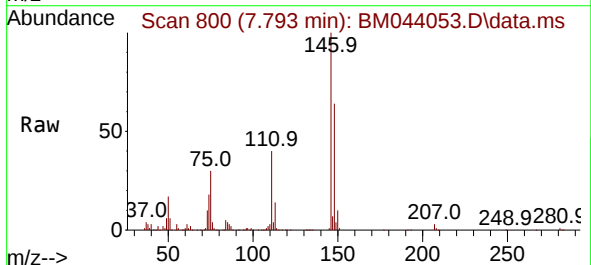
Manual Integrations
APPROVED

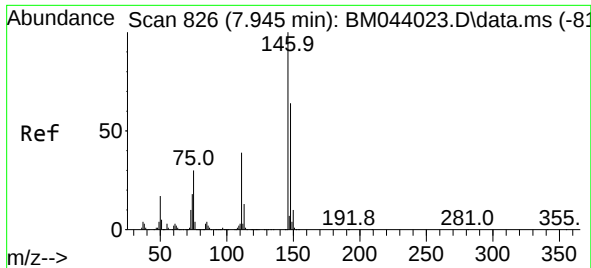
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#12
1,3-Dichlorobenzene
Concen: 5.959 ng
RT: 7.793 min Scan# 800
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:146 Resp: 229253
Ion Ratio Lower Upper
146 100
148 64.2 51.3 76.9
75 29.7 22.7 34.1





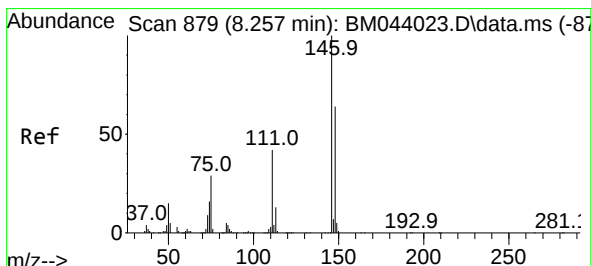
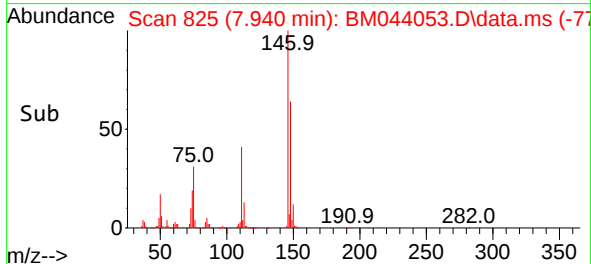
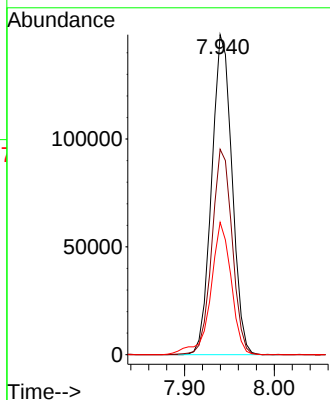
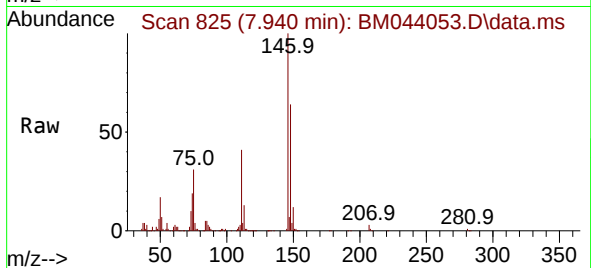
#13
1,4-Dichlorobenzene
Concen: 6.023 ng
RT: 7.940 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:146 Resp: 233590
Ion Ratio Lower Upper
146 100
148 64.2 51.2 76.8
111 41.4 31.2 46.8

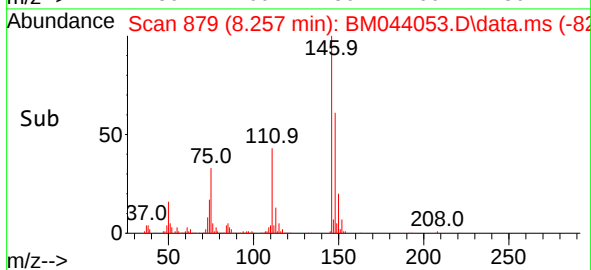
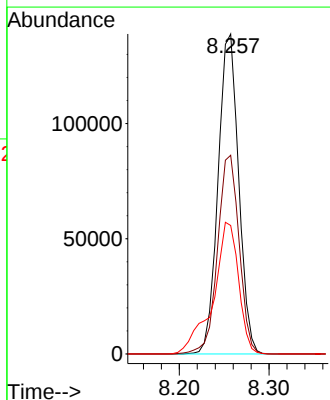
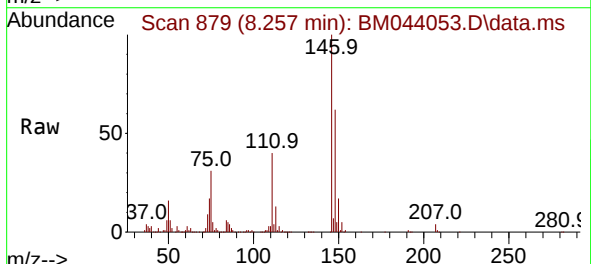
Manual Integrations
APPROVED

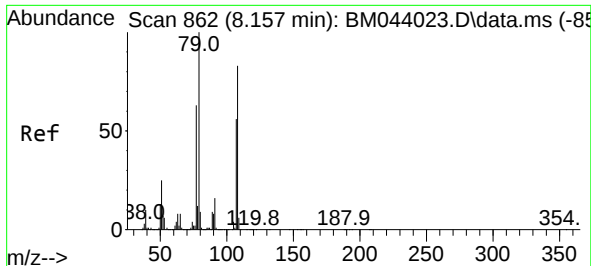
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#14
1,2-Dichlorobenzene
Concen: 5.985 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

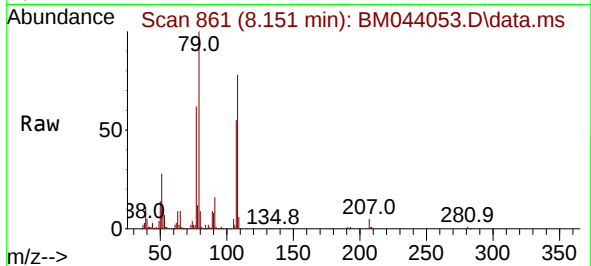
Tgt Ion:146 Resp: 221180
Ion Ratio Lower Upper
146 100
148 62.1 51.4 77.2
111 40.1 33.7 50.5





#15
Benzyl Alcohol
Concen: 5.923 ng
RT: 8.151 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

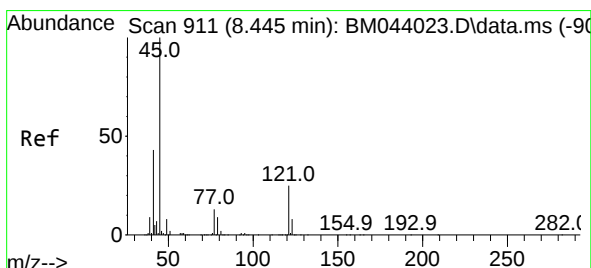
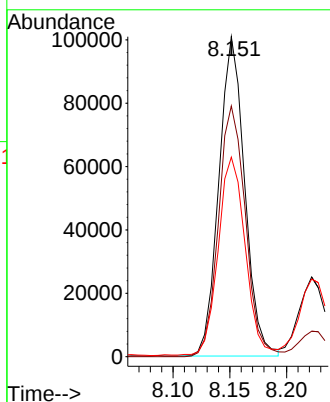
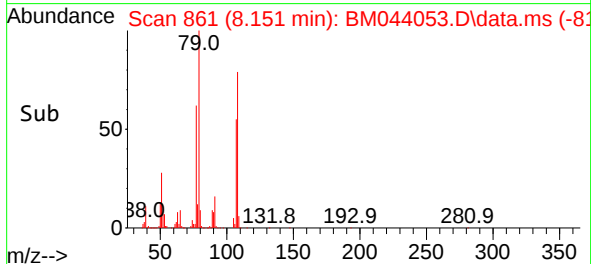
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion: 79 Resp: 159233
Ion Ratio Lower Upper
79 100
108 78.4 66.0 99.0
77 62.3 50.4 75.6

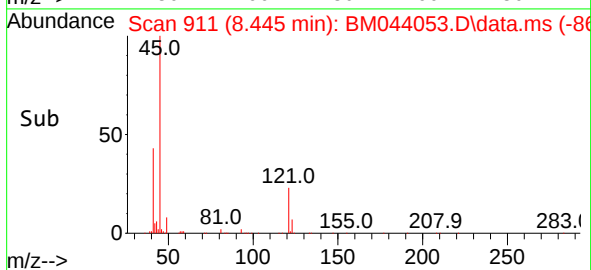
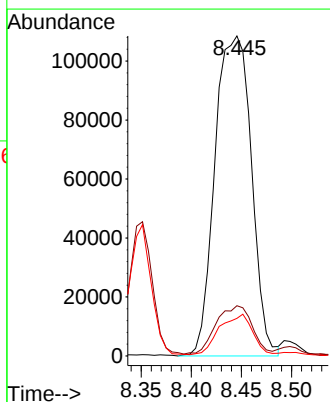
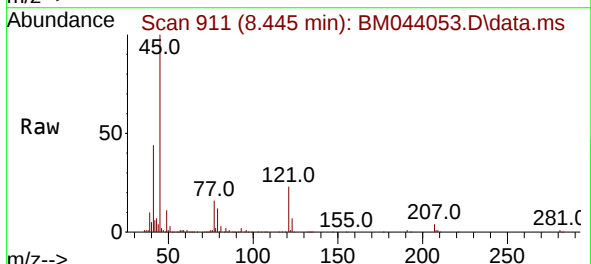
Manual Integrations
APPROVED

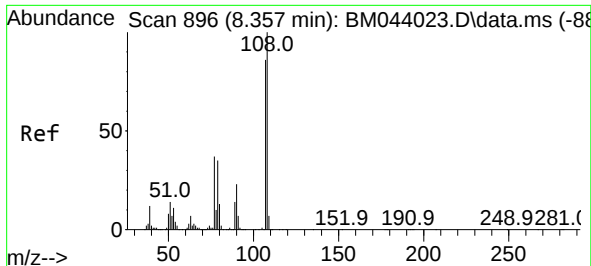
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.279 ng
RT: 8.445 min Scan# 911
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

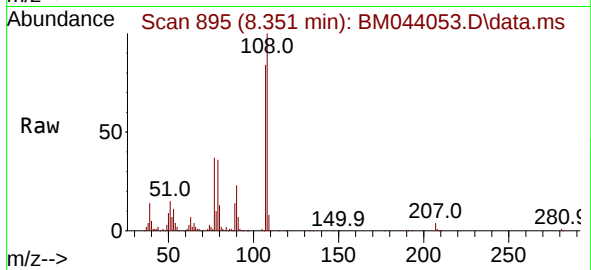
Tgt Ion: 45 Resp: 274688
Ion Ratio Lower Upper
45 100
77 15.7 0.0 35.1
79 11.8 0.0 31.5





#17
2-Methylphenol
Concen: 5.819 ng
RT: 8.351 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

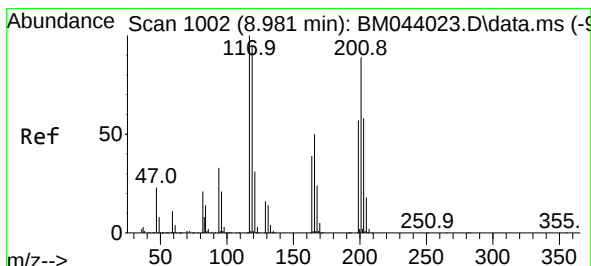
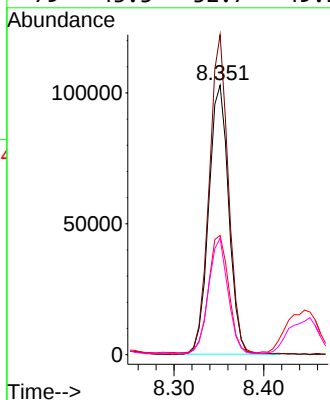
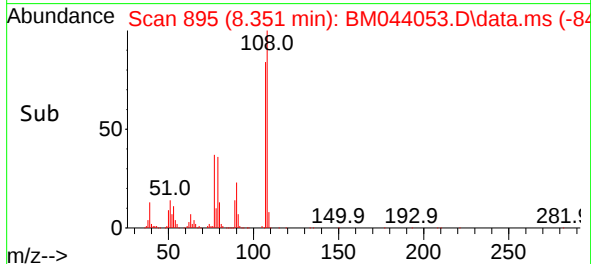
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:	107	Resp:	15916
Ion Ratio	Lower	Upper	
107	100		
108	118.8	93.4	140.2
77	44.2	34.7	52.1
79	43.3	32.7	49.1

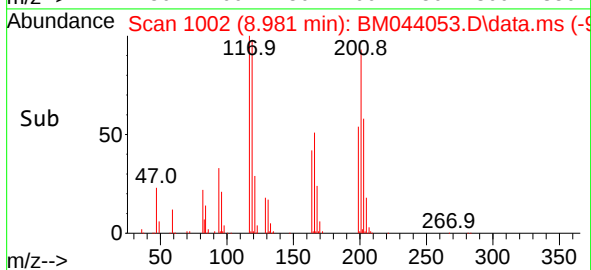
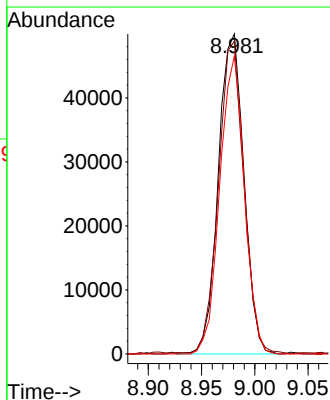
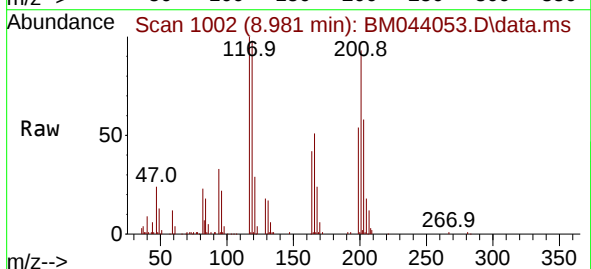
Manual Integrations
APPROVED

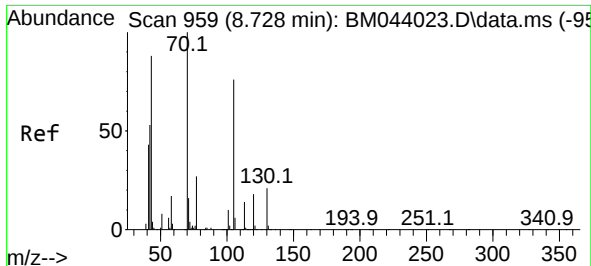
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#18
Hexachloroethane
Concen: 5.751 ng
RT: 8.981 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

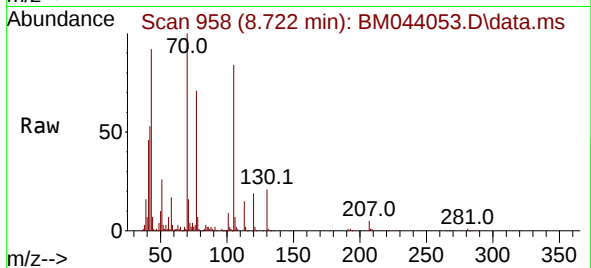
Tgt Ion:	117	Resp:	83516
Ion Ratio	Lower	Upper	
117	100		
119	97.7	75.7	113.5
201	93.1	71.5	107.3





#19
n-Nitroso-di-n-propylamine
Concen: 6.039 ng
RT: 8.722 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

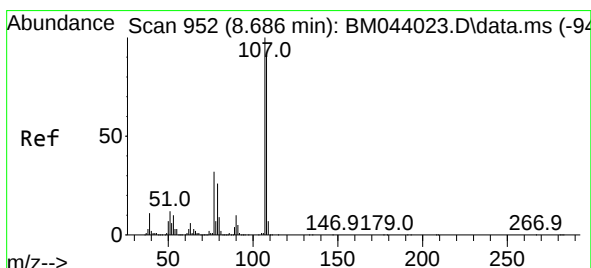
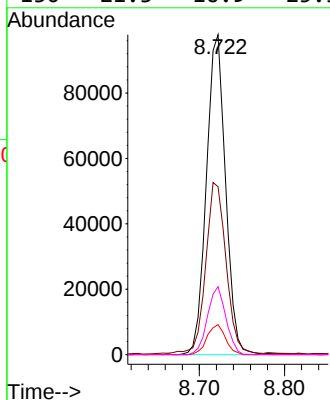
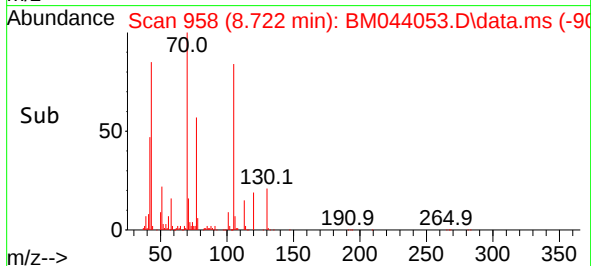
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



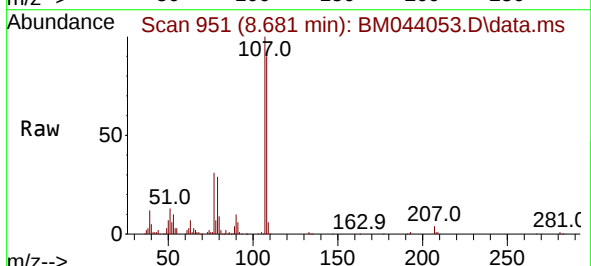
Tgt Ion: 70 Resp: 153119
Ion Ratio Lower Upper
70 100
42 52.5 42.6 64.0
101 9.4 7.8 11.6
130 21.3 16.9 25.3

Manual Integrations
APPROVED

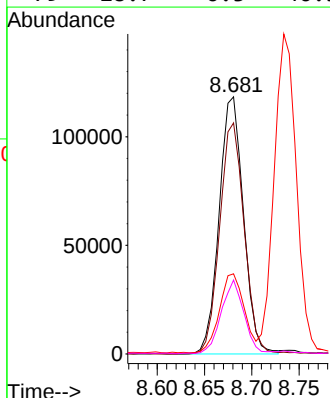
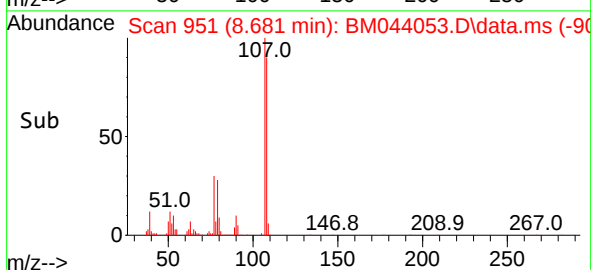
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

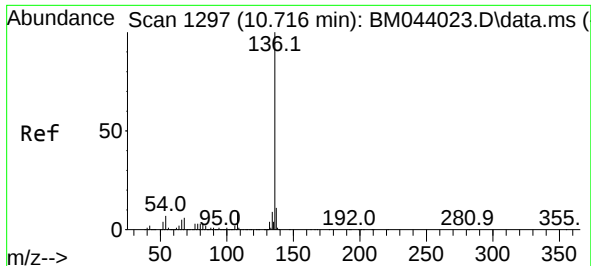


#20
3+4-Methylphenols
Concen: 5.620 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



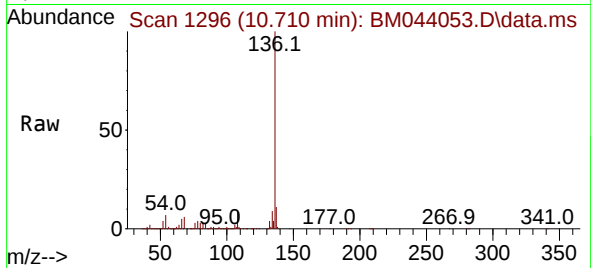
Tgt Ion:107 Resp: 211590
Ion Ratio Lower Upper
107 100
108 89.9 71.5 111.5
77 31.2 11.8 51.8
79 28.7 6.3 46.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

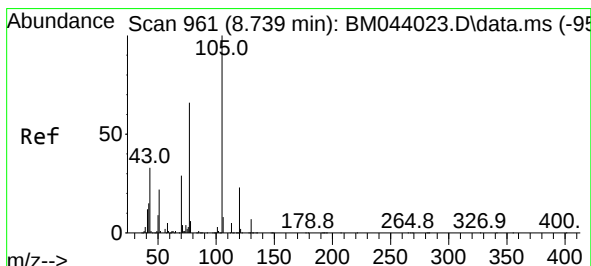
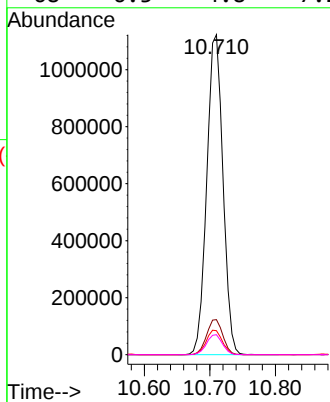
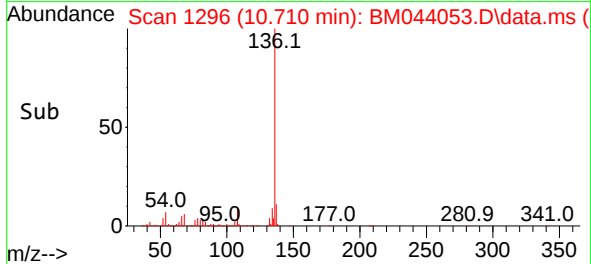
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:136 Resp: 1926225
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.5 5.9 8.9
68 6.3 4.8 7.2

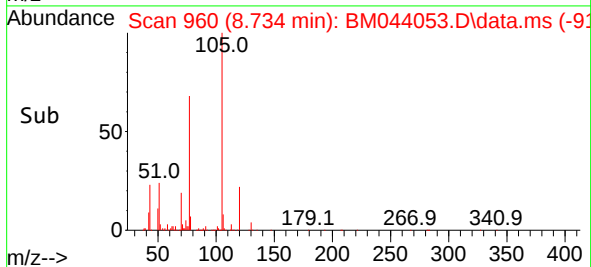
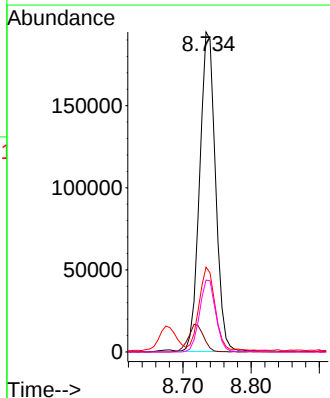
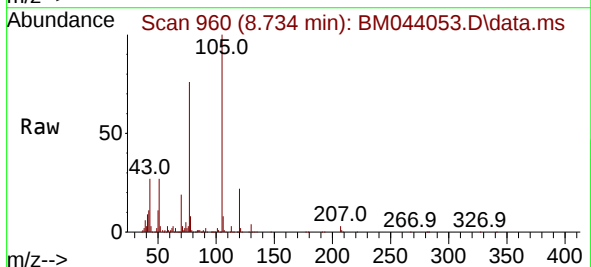
Manual Integrations
APPROVED

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



#22
Acetophenone
Concen: 6.440 ng
RT: 8.734 min Scan# 960
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

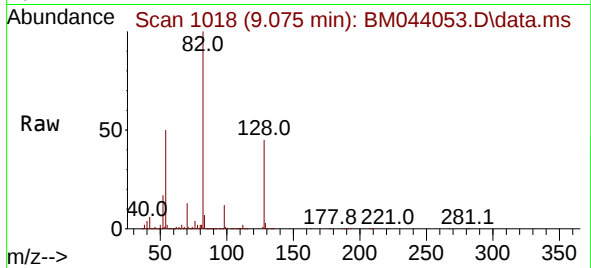
Tgt Ion:105 Resp: 314855
Ion Ratio Lower Upper
105 100
71 3.2 4.0 6.0#
51 26.5 20.1 30.1
120 22.5 18.7 28.1





#23
Nitrobenzene-d5
Concen: 62.199 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

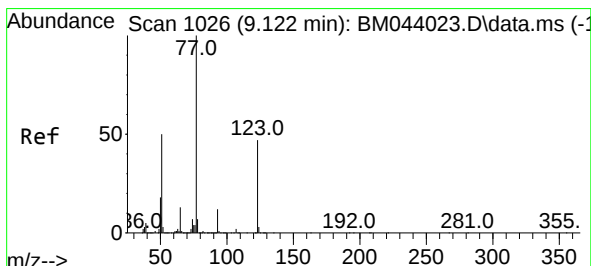
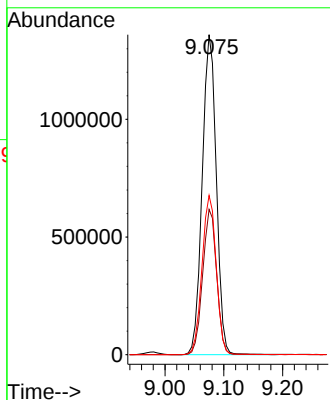
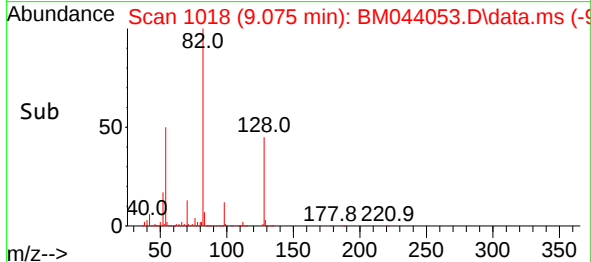
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



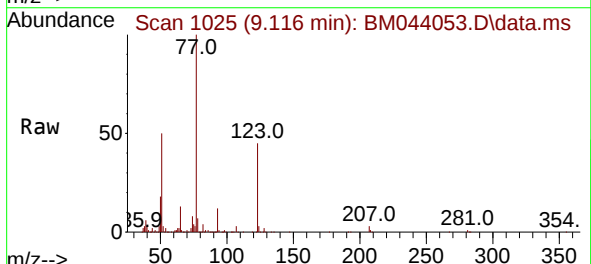
Tgt Ion: 82 Resp: 2257829
Ion Ratio Lower Upper
82 100
128 45.4 37.1 55.7
54 49.8 38.9 58.3

Manual Integrations
APPROVED

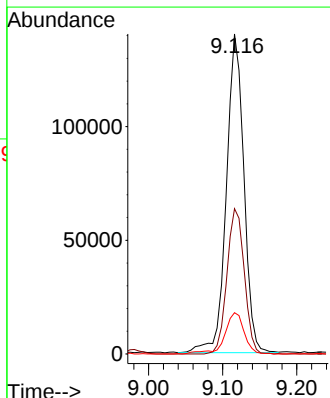
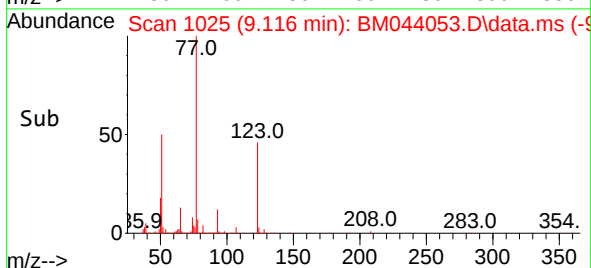
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

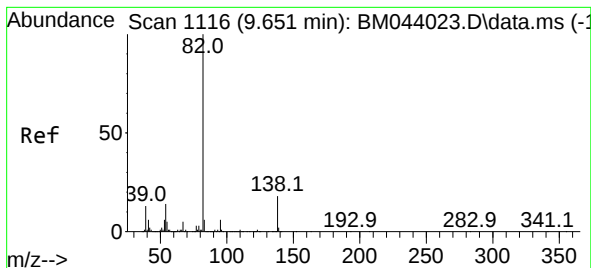


#24
Nitrobenzene
Concen: 6.201 ng
RT: 9.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



Tgt Ion: 77 Resp: 230507
Ion Ratio Lower Upper
77 100
123 45.4 37.8 56.8
65 12.9 10.5 15.7





#25

Isophorone

Concen: 5.696 ng

RT: 9.639 min Scan# 1114

Delta R.T. -0.012 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion: 82 Resp: 398108

Ion Ratio Lower Upper

82 100

95 6.4 5.2 7.8

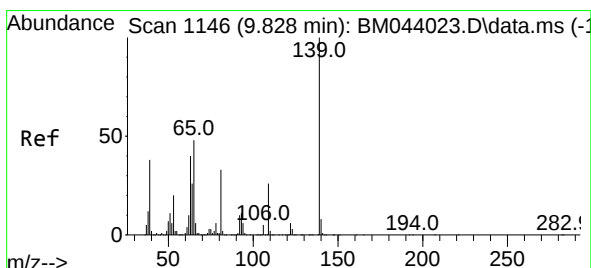
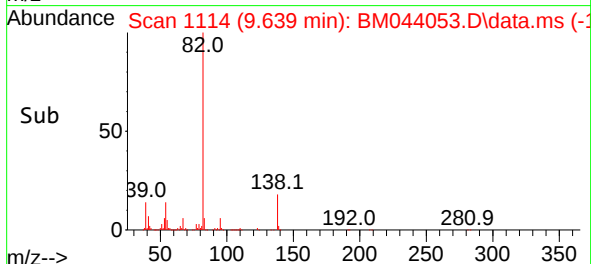
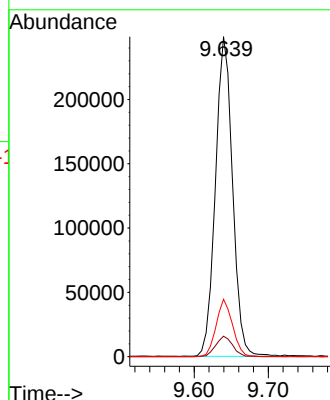
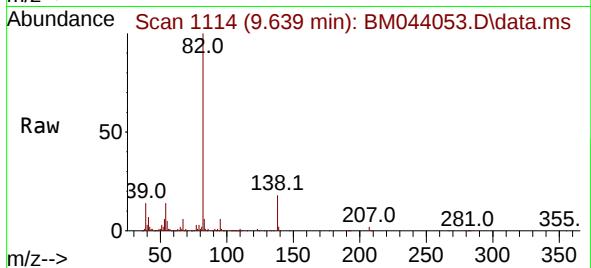
138 17.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#26

2-Nitrophenol

Concen: 5.058 ng

RT: 9.828 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

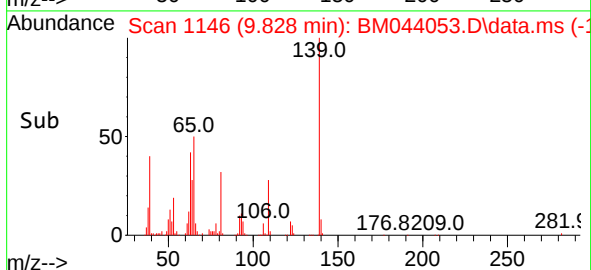
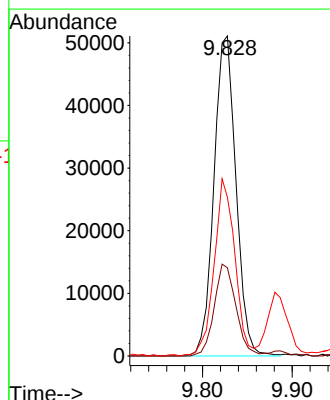
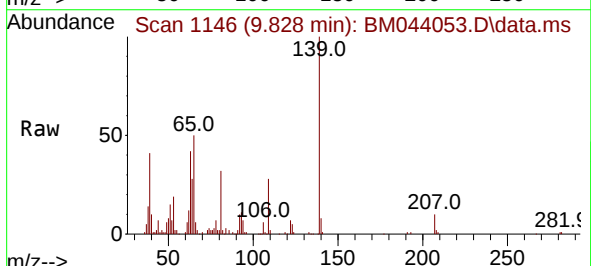
Tgt Ion:139 Resp: 87173

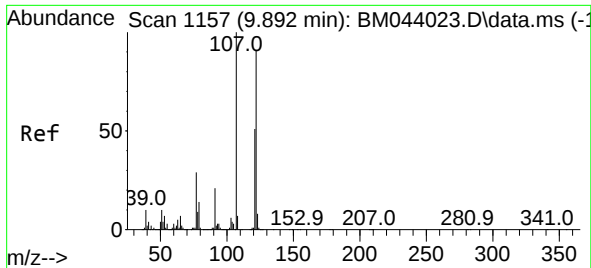
Ion Ratio Lower Upper

139 100

109 27.5 21.2 31.8

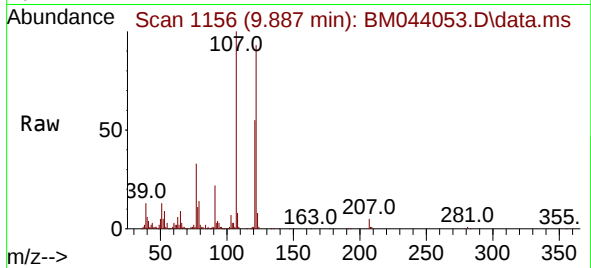
65 49.6 38.5 57.7





#27
2,4-Dimethylphenol
Concen: 6.964 ng
RT: 9.887 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

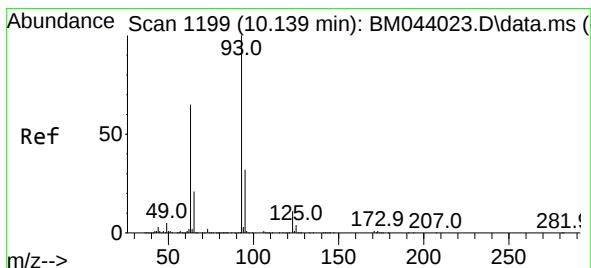
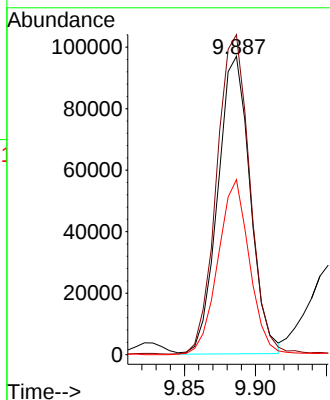
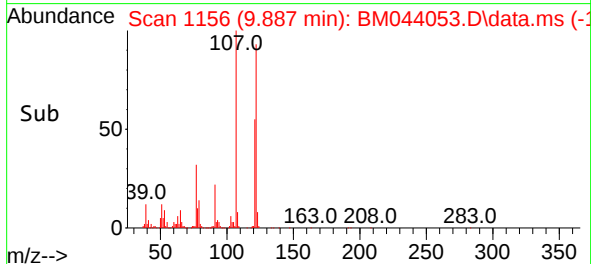
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:122 Resp: 153470
Ion Ratio Lower Upper
122 100
107 107.2 87.8 131.8
121 58.6 44.7 67.1

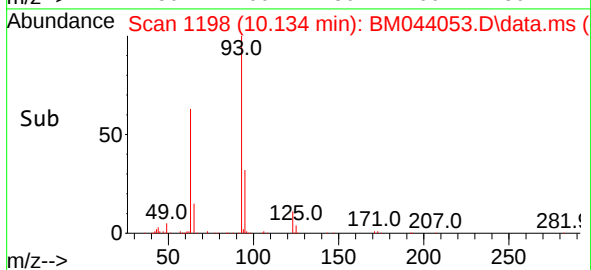
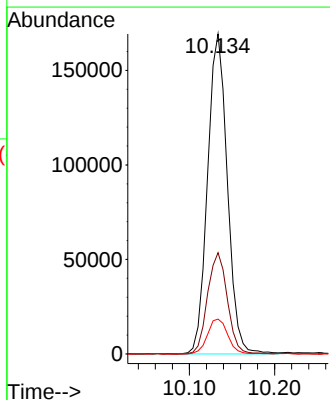
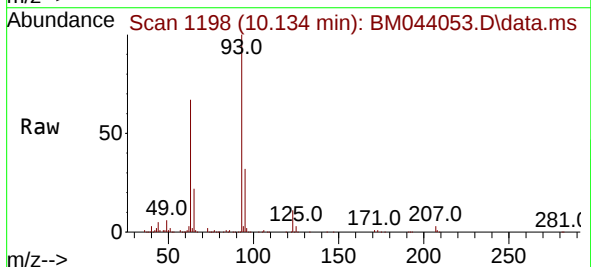
Manual Integrations
APPROVED

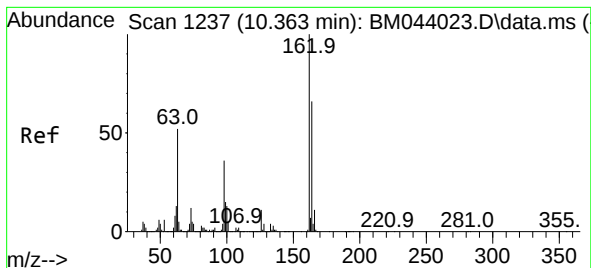
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#28
bis(2-Chloroethoxy)methane
Concen: 6.043 ng
RT: 10.134 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

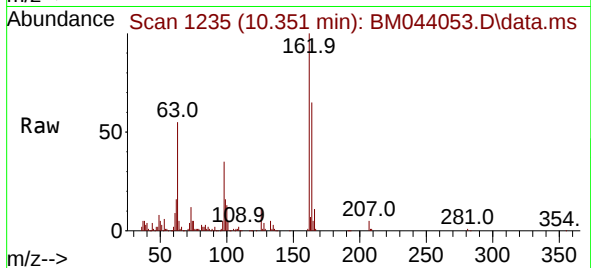
Tgt Ion: 93 Resp: 273188
Ion Ratio Lower Upper
93 100
95 31.6 26.0 39.0
123 10.9 9.2 13.8





#29
2,4-Dichlorophenol
Concen: 5.572 ng
RT: 10.351 min Scan# 1235
Delta R.T. -0.012 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

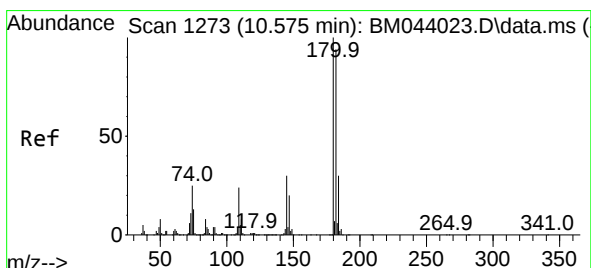
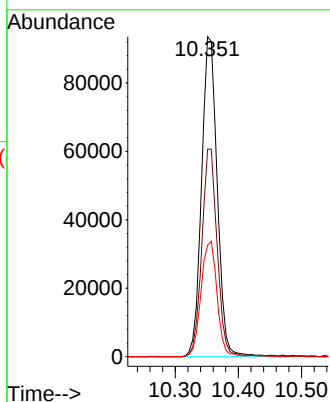
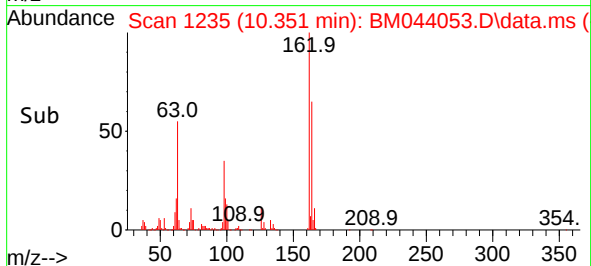
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:162 Resp: 16165
Ion Ratio Lower Upper
162 100
164 64.9 46.1 86.1
98 34.9 15.9 55.9

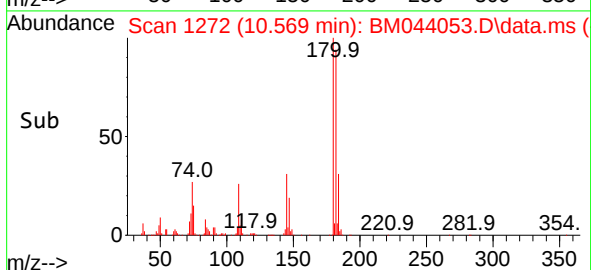
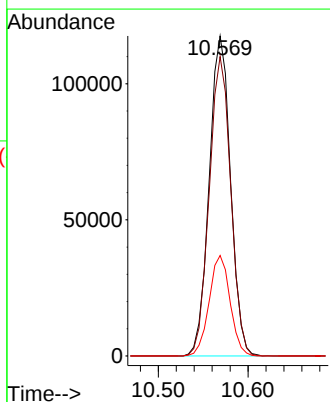
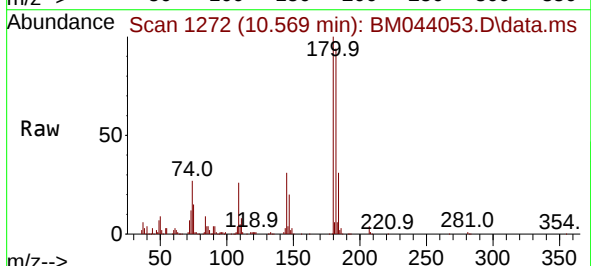
Manual Integrations
APPROVED

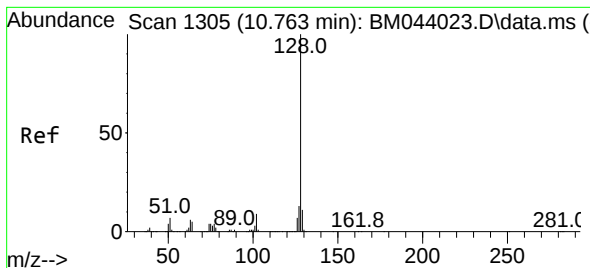
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#30
1,2,4-Trichlorobenzene
Concen: 5.947 ng
RT: 10.569 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

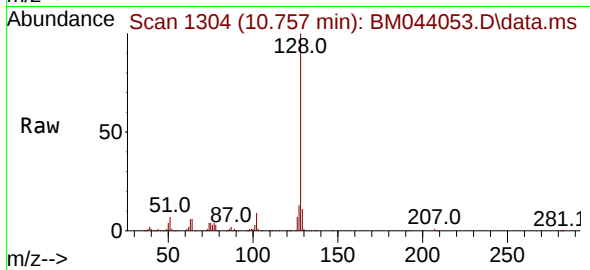
Tgt Ion:180 Resp: 194010
Ion Ratio Lower Upper
180 100
182 93.5 75.2 112.8
145 31.4 24.3 36.5





#31
Naphthalene
Concen: 5.992 ng
RT: 10.757 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

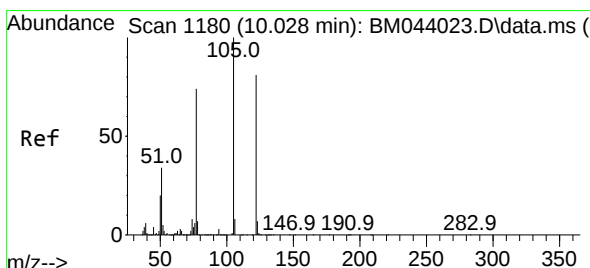
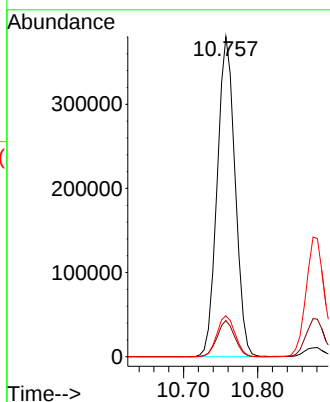
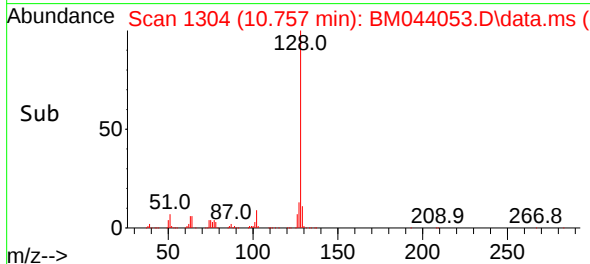
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:128 Resp: 636990
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 12.8 10.3 15.5

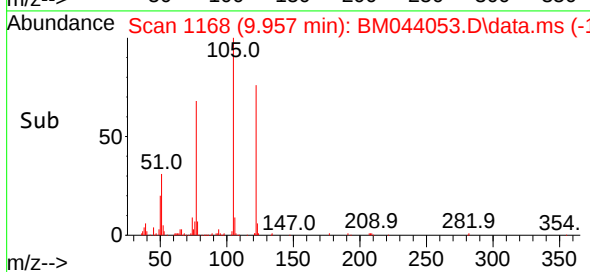
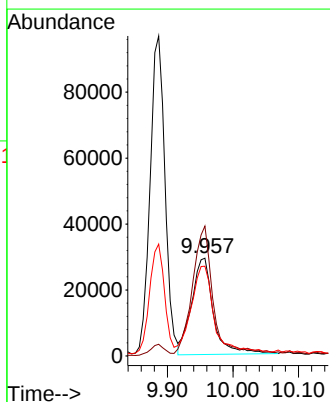
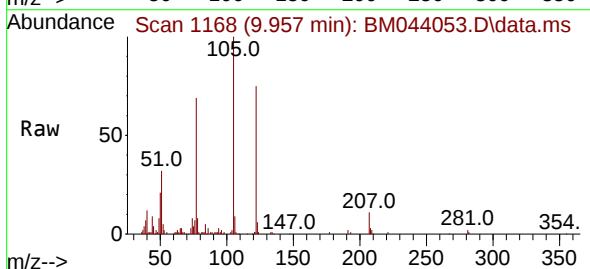
Manual Integrations
APPROVED

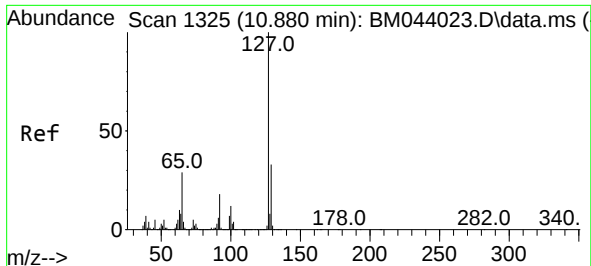
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#32
Benzoic acid
Concen: 3.052 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.071 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

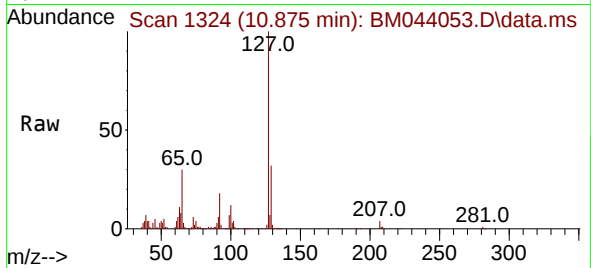
Tgt Ion:122 Resp: 67742
Ion Ratio Lower Upper
122 100
105 133.0 100.1 140.1
77 91.9 69.6 109.6





#33
4-Chloroaniline
Concen: 6.161 ng
RT: 10.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

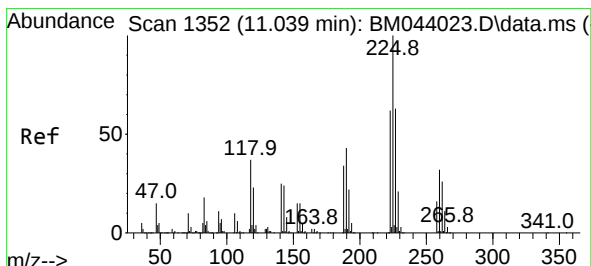
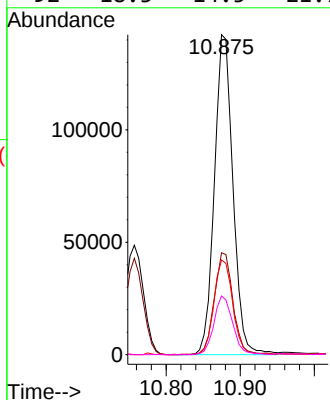
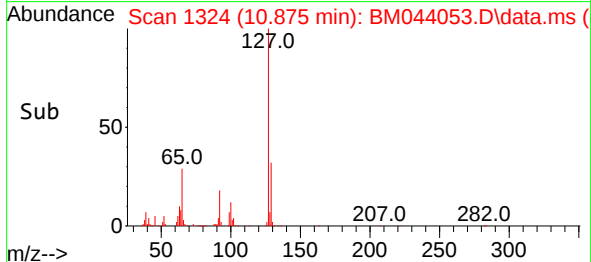
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:	127	Resp:	24802
Ion Ratio	Lower	Upper	
127	100		
129	31.9	26.0	39.0
65	29.6	23.0	34.6
92	18.3	14.5	21.7

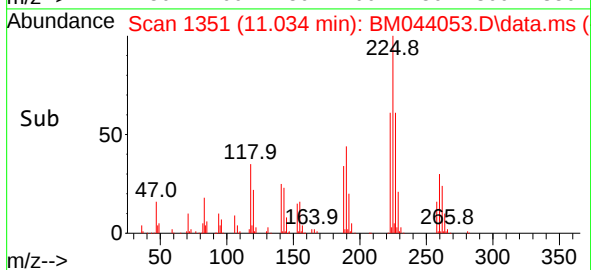
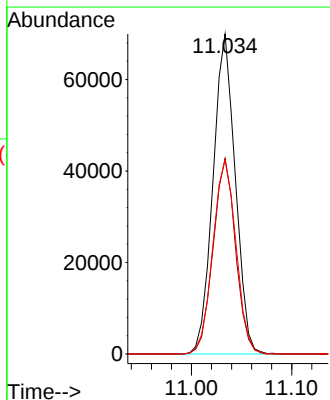
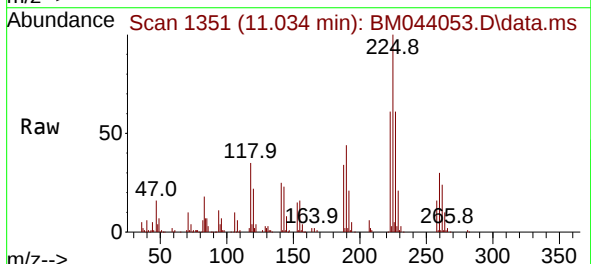
Manual Integrations
APPROVED

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



#34
Hexachlorobutadiene
Concen: 5.780 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

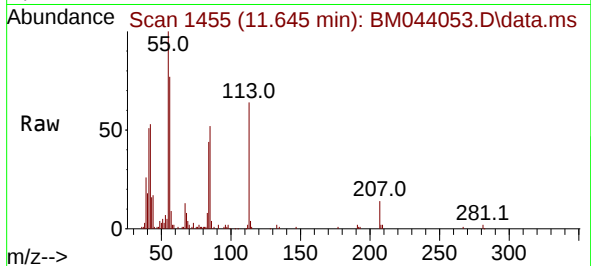
Tgt Ion:	225	Resp:	107945
Ion Ratio	Lower	Upper	
225	100		
223	61.1	49.9	74.9
227	60.6	50.6	76.0





#35
Caprolactam
Concen: 4.804 ng
RT: 11.645 min Scan# 1460
Delta R.T. -0.029 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

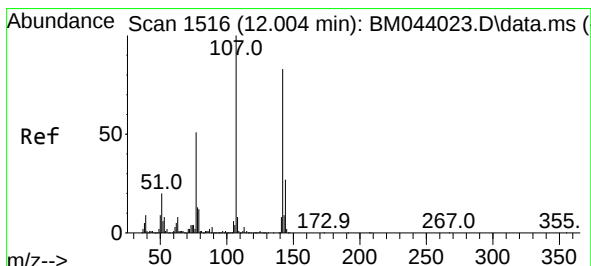
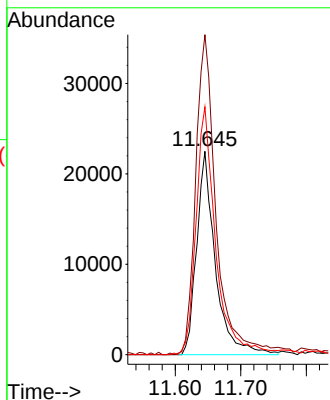
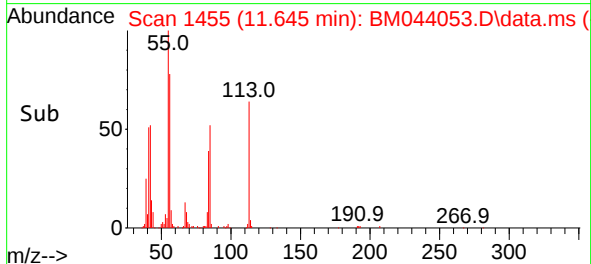
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



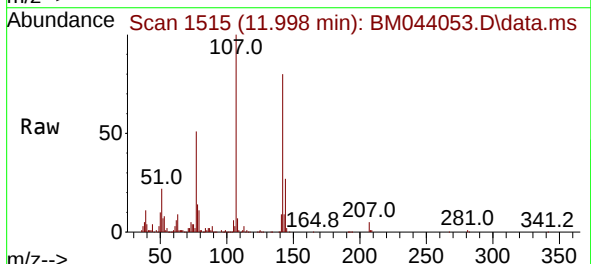
Tgt Ion:113 Resp: 44854
Ion Ratio Lower Upper
113 100
55 157.3 145.6 185.6
56 121.8 103.3 143.3

Manual Integrations
APPROVED

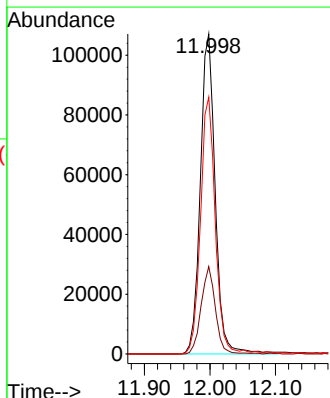
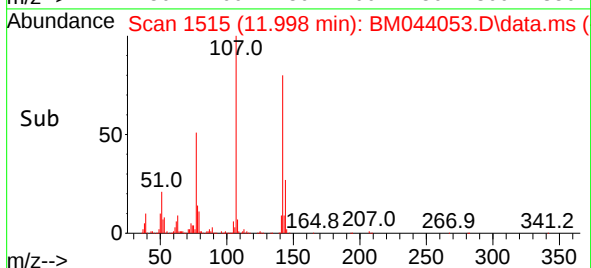
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

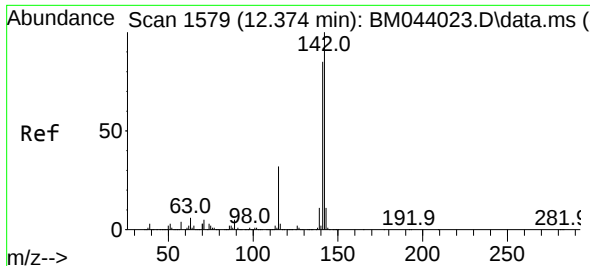


#36
4-Chloro-3-methylphenol
Concen: 5.393 ng
RT: 11.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



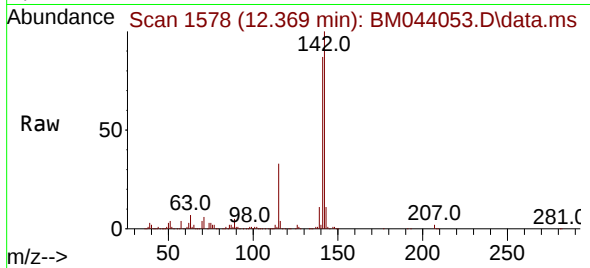
Tgt Ion:107 Resp: 169446
Ion Ratio Lower Upper
107 100
144 27.3 21.3 31.9
142 80.3 66.2 99.4





#37
2-Methylnaphthalene
Concen: 5.843 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

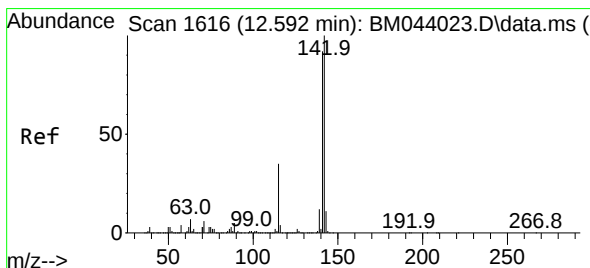
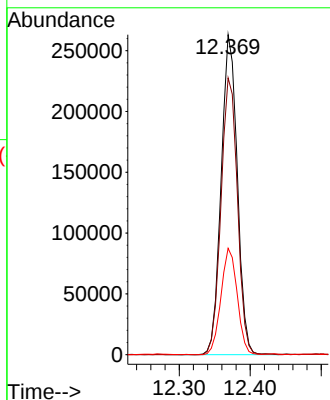
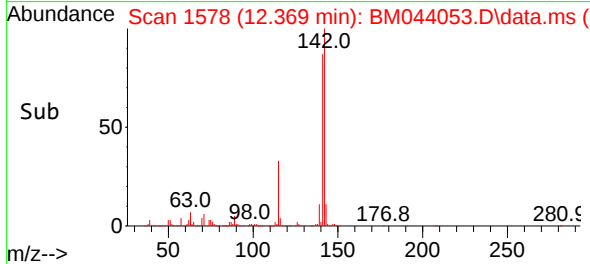
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



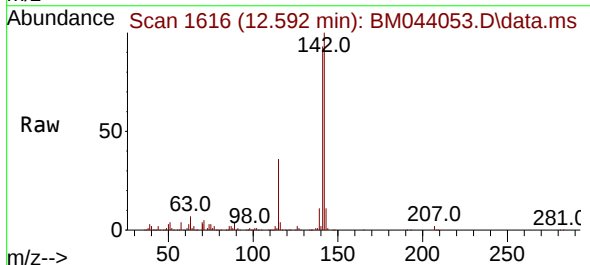
Tgt Ion:142 Resp: 413800
Ion Ratio Lower Upper
142 100
141 86.5 68.3 102.5
115 33.2 25.7 38.5

Manual Integrations
APPROVED

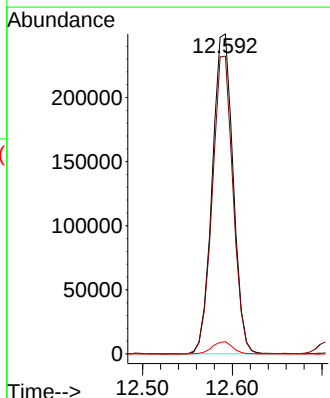
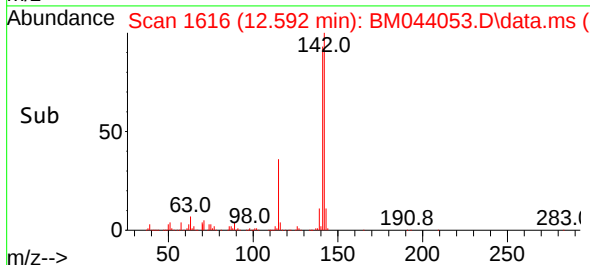
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

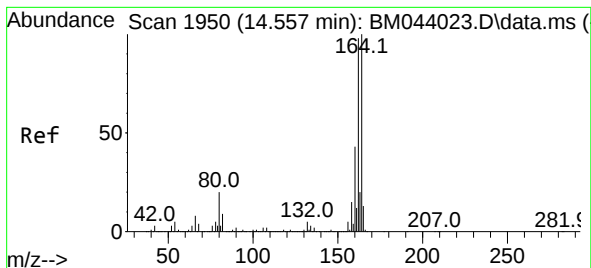


#38
1-Methylnaphthalene
Concen: 5.767 ng
RT: 12.592 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



Tgt Ion:142 Resp: 401324
Ion Ratio Lower Upper
142 100
141 93.1 73.4 110.0
116 3.8 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: BM044053.D

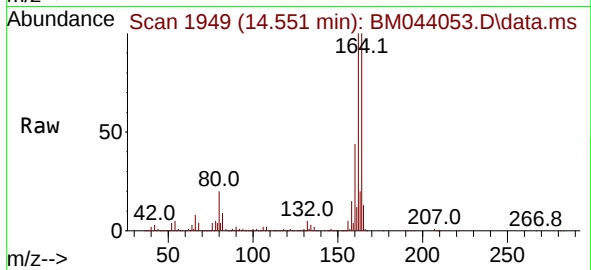
Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023



Tgt Ion:164 Resp: 1082110

Ion Ratio Lower Upper

164 100

162 99.6 78.4 117.6

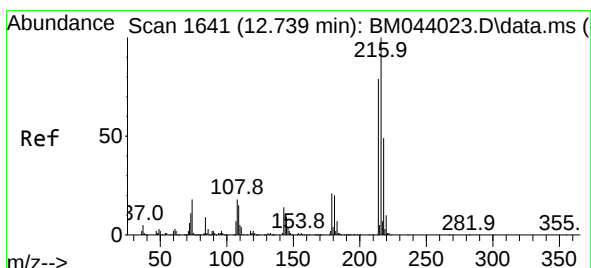
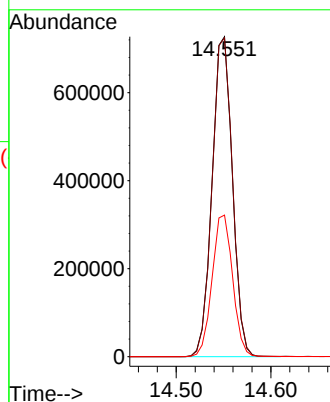
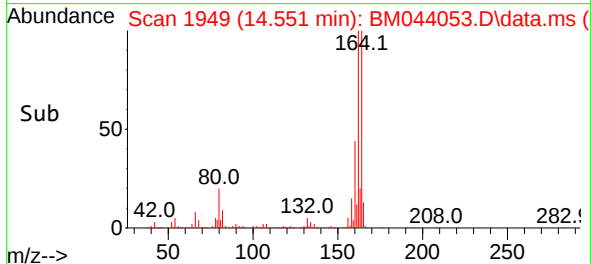
160 44.2 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.218 ng

RT: 12.733 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Tgt Ion:216 Resp: 195572

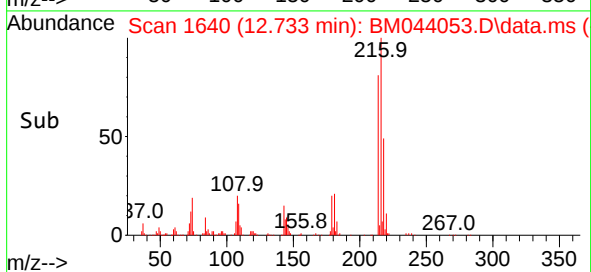
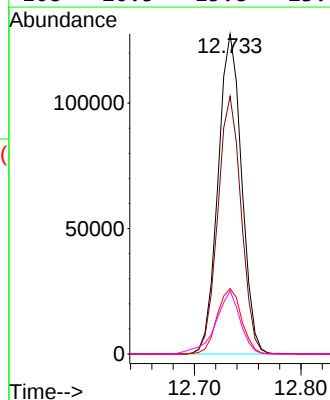
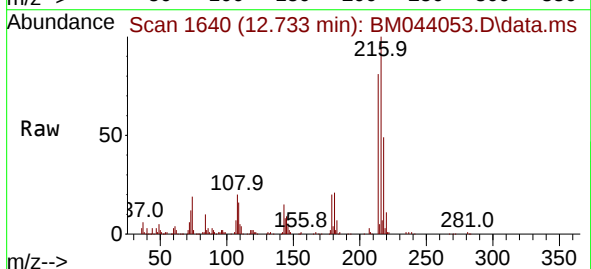
Ion Ratio Lower Upper

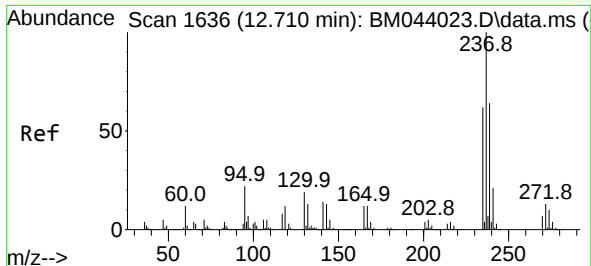
216 100

214 80.2 63.1 94.7

179 21.3 17.0 25.6

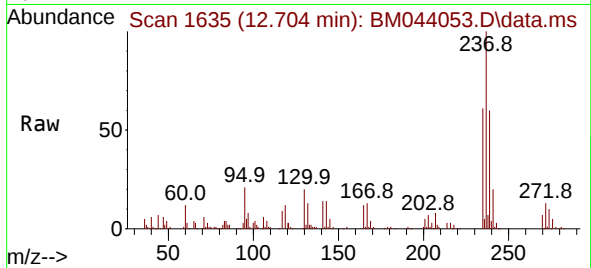
108 20.5 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 7.264 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

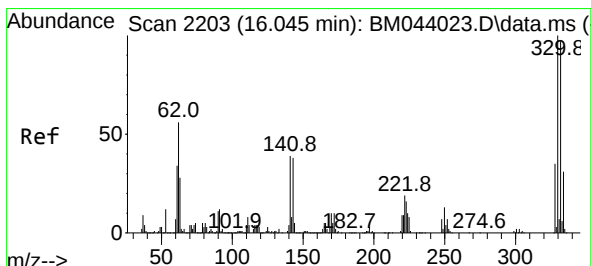
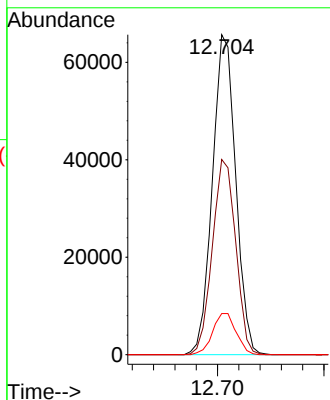
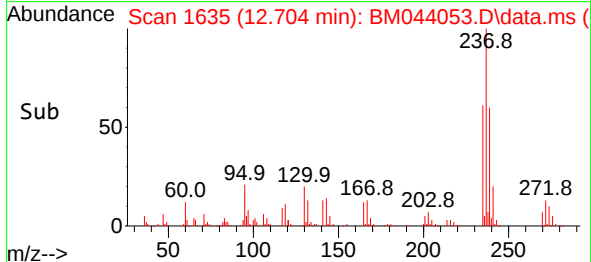
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



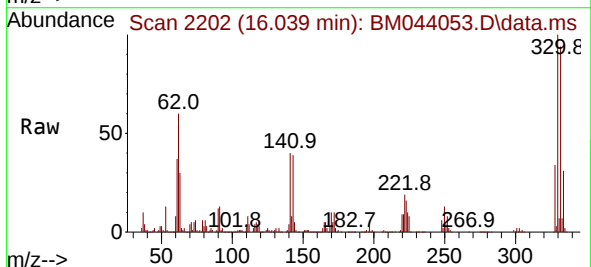
Tgt Ion:237 Resp: 9970
Ion Ratio Lower Upper
237 100
235 61.0 42.4 82.4
272 12.8 0.0 33.3

Manual Integrations
APPROVED

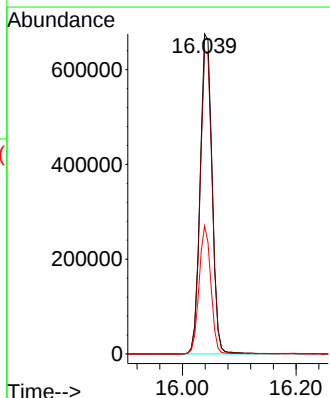
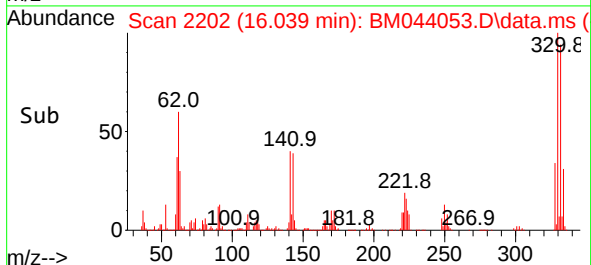
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

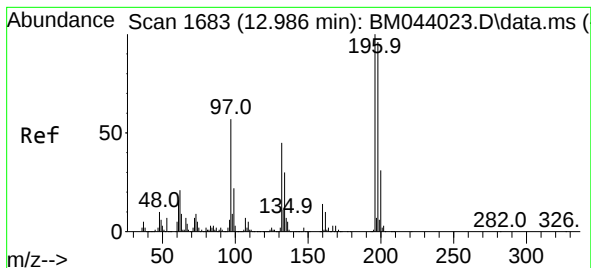


#42
2,4,6-Tribromophenol
Concen: 84.092 ng
RT: 16.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



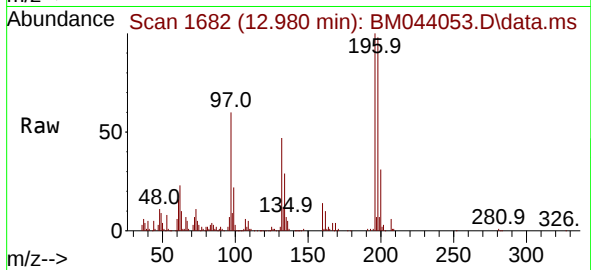
Tgt Ion:330 Resp: 985253
Ion Ratio Lower Upper
330 100
332 95.4 77.7 116.5
141 39.5 31.0 46.4





#43
2,4,6-Trichlorophenol
Concen: 5.307 ng
RT: 12.980 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

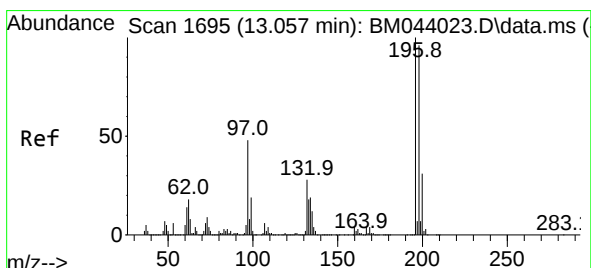
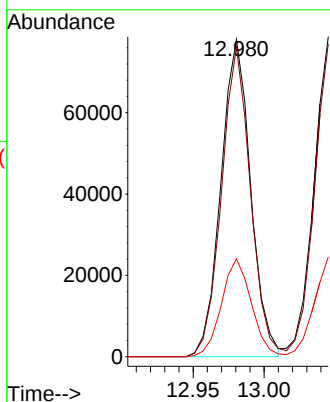
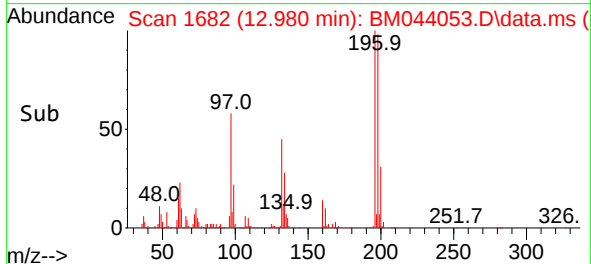
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



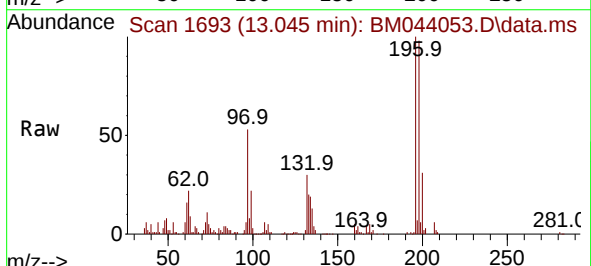
Tgt Ion:196 Resp: 113600
Ion Ratio Lower Upper
196 100
198 97.6 76.8 115.2
200 30.9 24.6 37.0

Manual Integrations
APPROVED

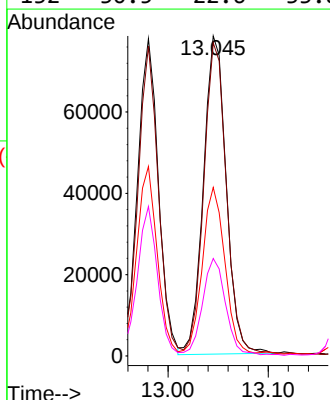
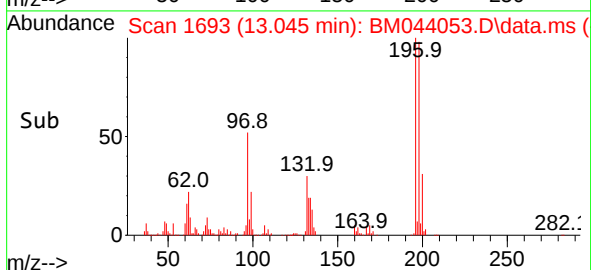
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

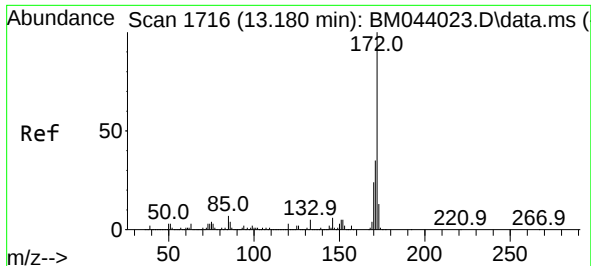


#44
2,4,5-Trichlorophenol
Concen: 5.272 ng
RT: 13.045 min Scan# 1693
Delta R.T. -0.012 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



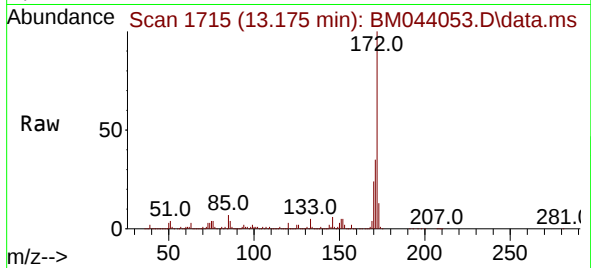
Tgt Ion:196 Resp: 123832
Ion Ratio Lower Upper
196 100
198 97.9 76.9 115.3
97 52.7 39.0 58.4
132 30.5 22.6 33.8





#45
2-Fluorobiphenyl
Concen: 61.975 ng
RT: 13.175 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

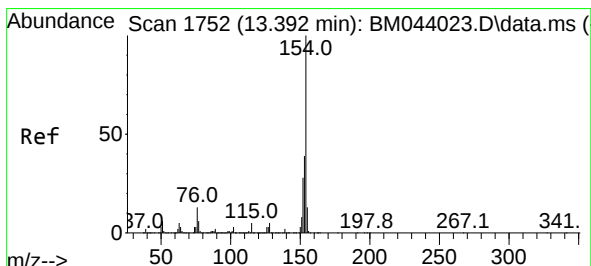
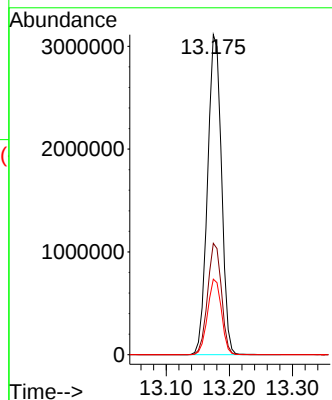
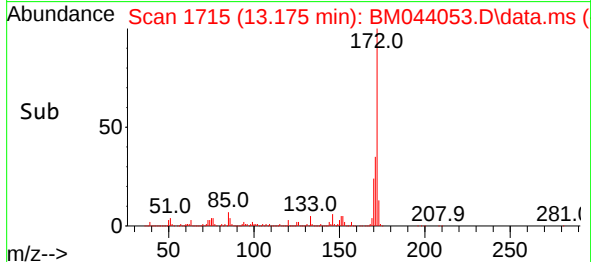
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



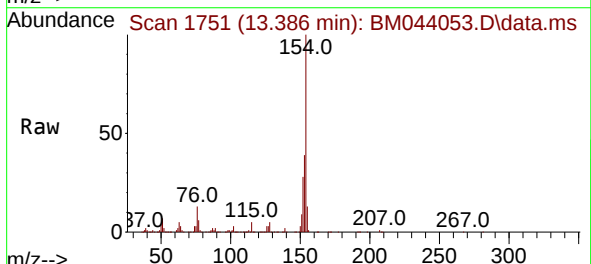
Tgt Ion:172 Resp: 4751835
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 23.6 19.0 28.4

Manual Integrations
APPROVED

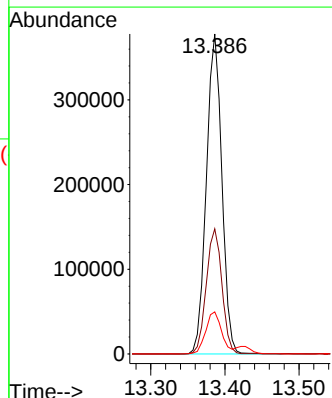
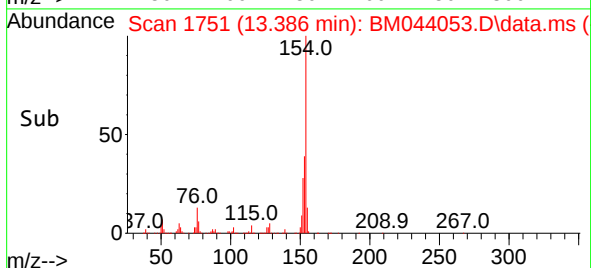
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

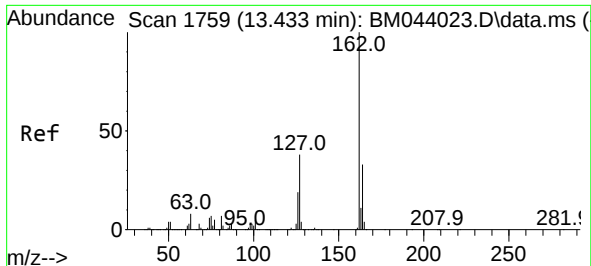


#46
1,1'-Biphenyl
Concen: 6.413 ng
RT: 13.386 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



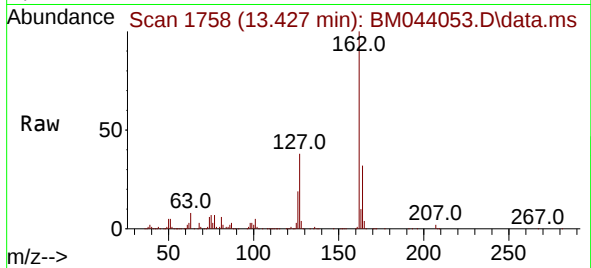
Tgt Ion:154 Resp: 547584
Ion Ratio Lower Upper
154 100
153 39.1 19.4 59.4
76 13.2 0.0 32.9





#47
2-Chloronaphthalene
Concen: 6.123 ng
RT: 13.427 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

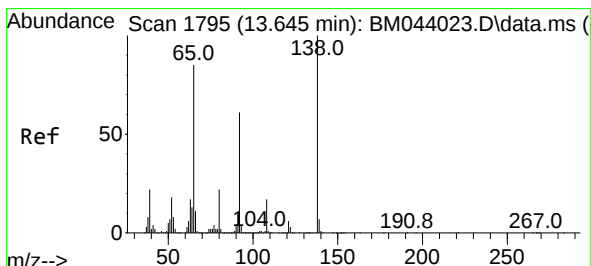
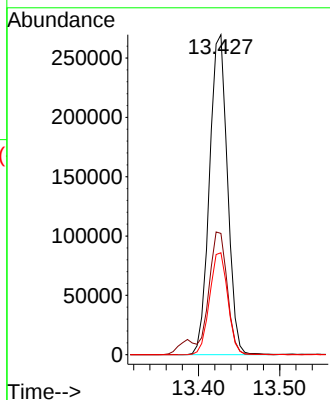
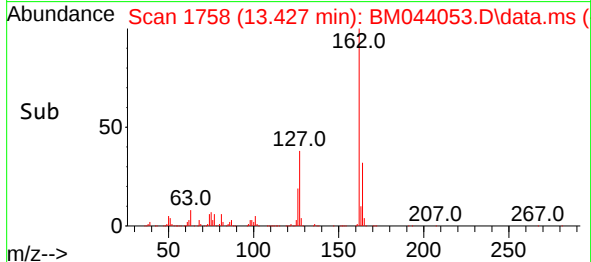
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



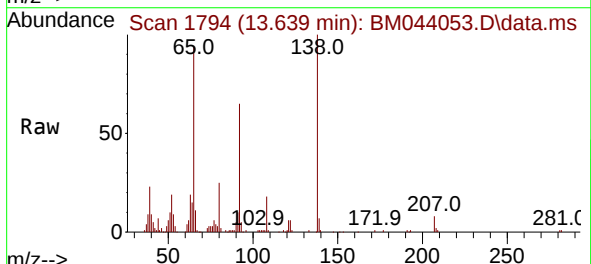
Tgt Ion:162 Resp: 41415
Ion Ratio Lower Upper
162 100
127 37.9 30.9 46.3
164 31.9 26.4 39.6

Manual Integrations
APPROVED

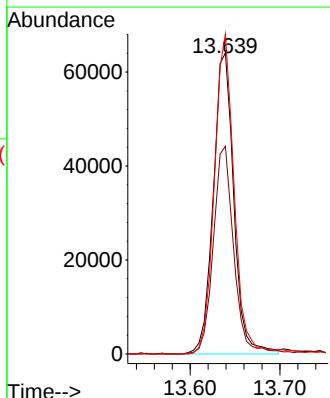
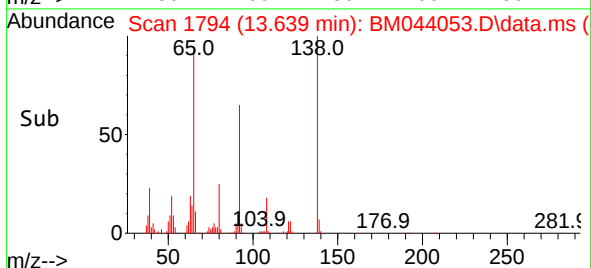
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

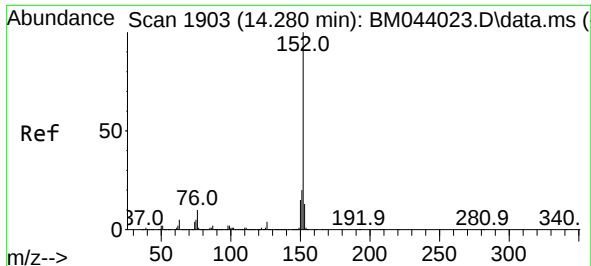


#48
2-Nitroaniline
Concen: 5.353 ng
RT: 13.639 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



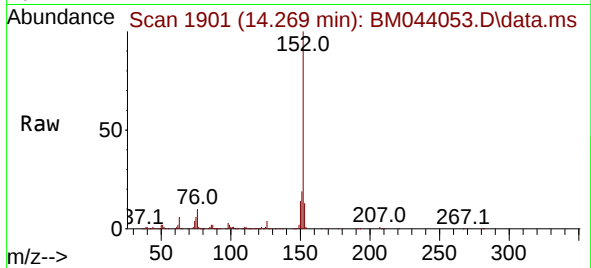
Tgt Ion: 65 Resp: 101867
Ion Ratio Lower Upper
65 100
92 69.0 58.1 87.1
138 106.3 94.6 142.0





#49
Acenaphthylene
Concen: 6.534 ng
RT: 14.269 min Scan# 1903
Delta R.T. -0.012 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

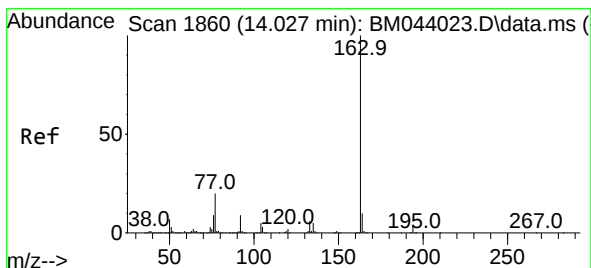
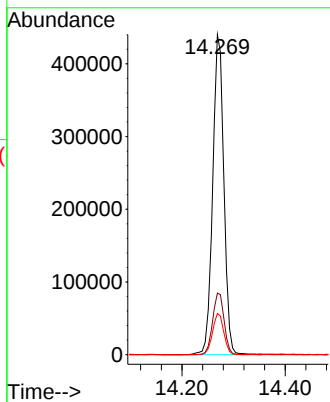
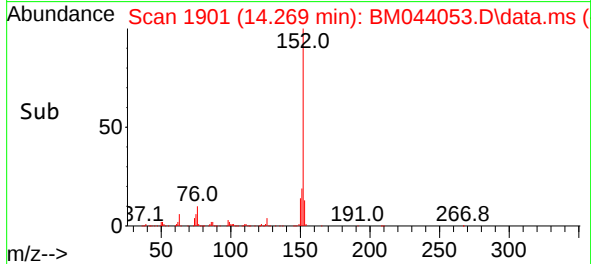
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



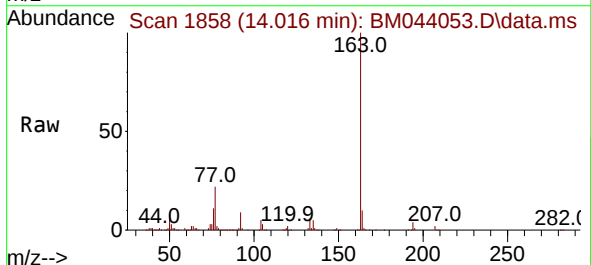
Tgt Ion:152 Resp: 65929
Ion Ratio Lower Upper
152 100
151 19.3 15.8 23.6
153 12.9 10.5 15.7

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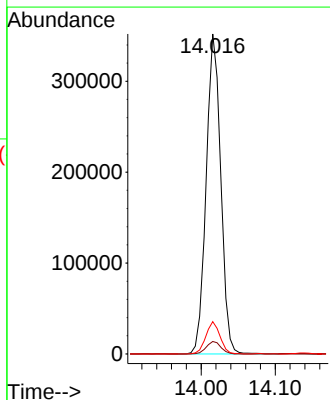
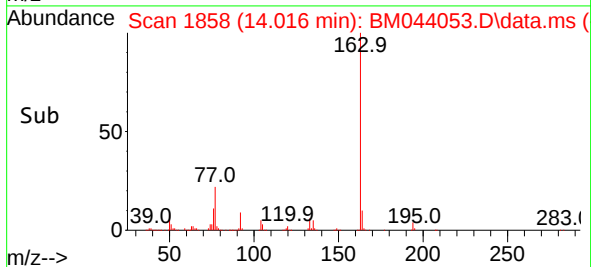
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

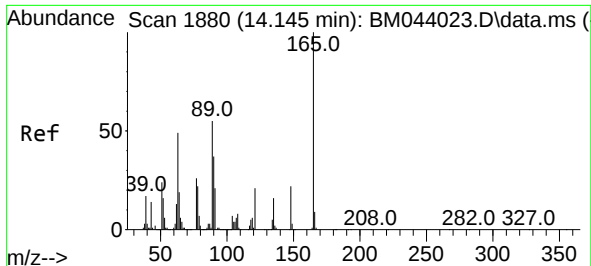


#50
Dimethylphthalate
Concen: 5.996 ng
RT: 14.016 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



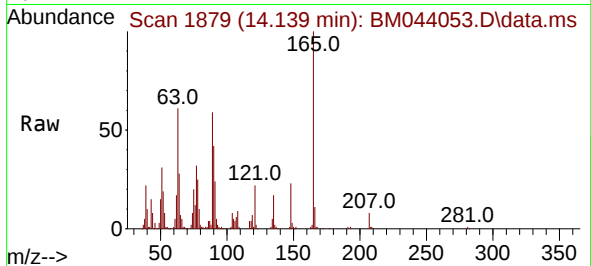
Tgt Ion:163 Resp: 481070
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.1 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 5.248 ng
RT: 14.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

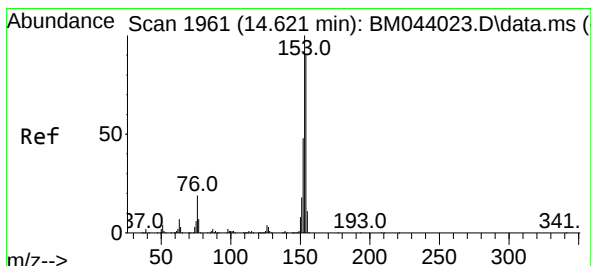
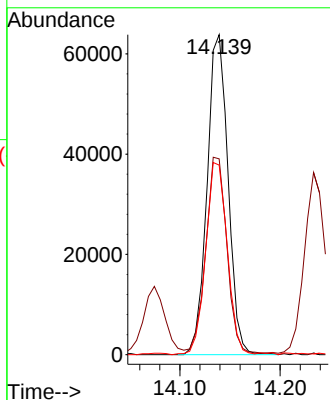
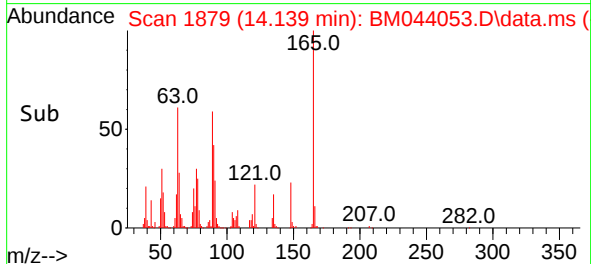
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



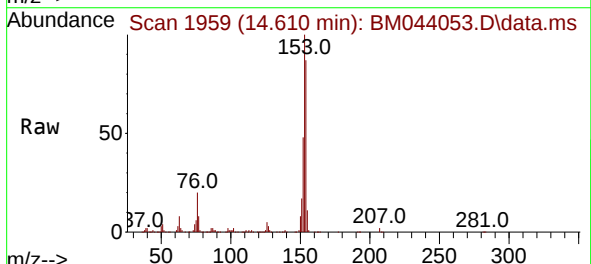
Tgt Ion:165 Resp: 92889
Ion Ratio Lower Upper
165 100
63 61.2 43.5 65.3
89 59.3 44.4 66.6

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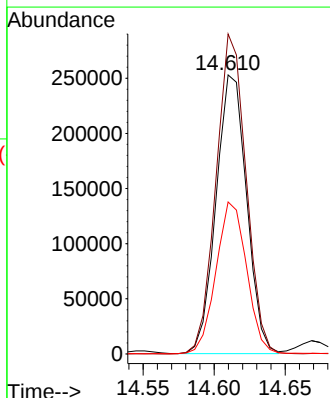
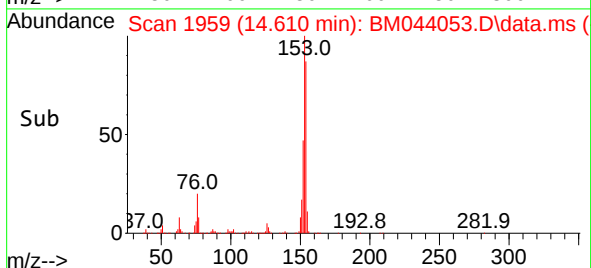
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

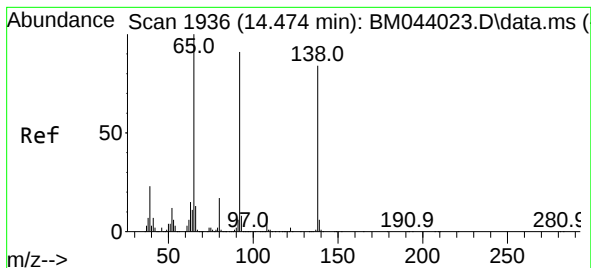


#52
Acenaphthene
Concen: 6.057 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



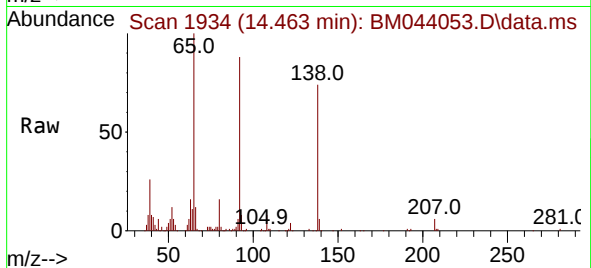
Tgt Ion:154 Resp: 378269
Ion Ratio Lower Upper
154 100
153 114.7 89.3 133.9
152 54.5 43.0 64.6





#53
3-Nitroaniline
Concen: 5.223 ng
RT: 14.463 min Scan# 1936
Delta R.T. -0.012 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

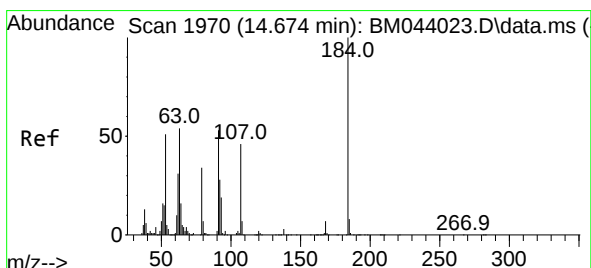
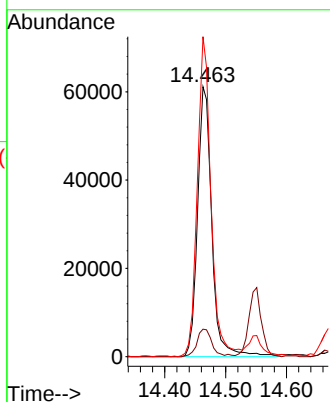
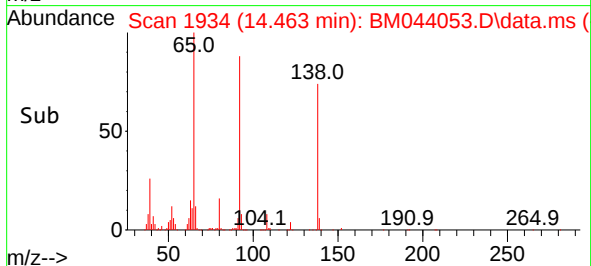
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



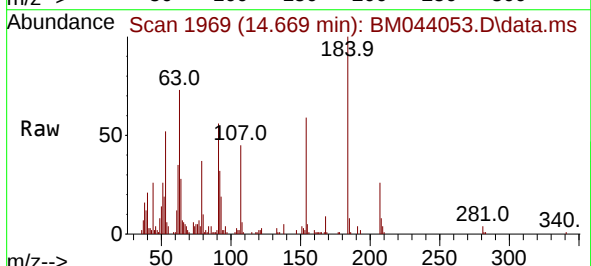
Tgt Ion:138 Resp: 9935
Ion Ratio Lower Upper
138 100
108 10.2 7.6 11.4
92 118.5 86.5 129.7

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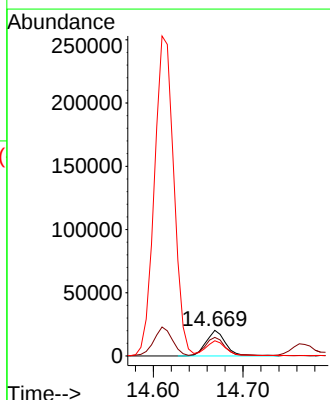
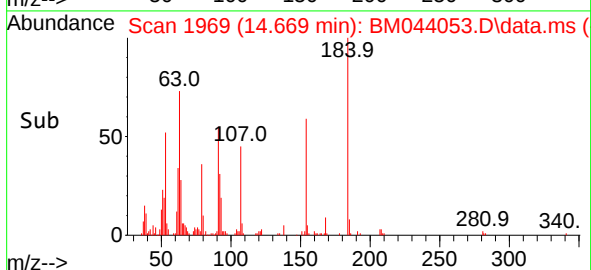
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

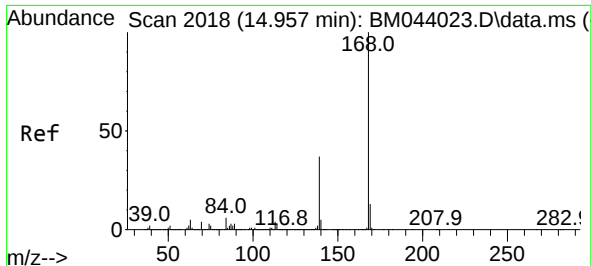


#54
2,4-Dinitrophenol
Concen: 8.274 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.005 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



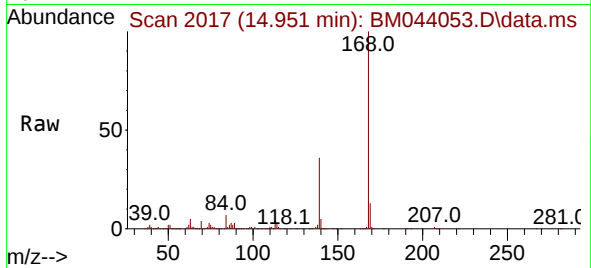
Tgt Ion:184 Resp: 30692
Ion Ratio Lower Upper
184 100
63 72.6 55.4 83.2
154 59.4 49.2 73.8





#55
Dibenzenofuran
Concen: 6.337 ng
RT: 14.951 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

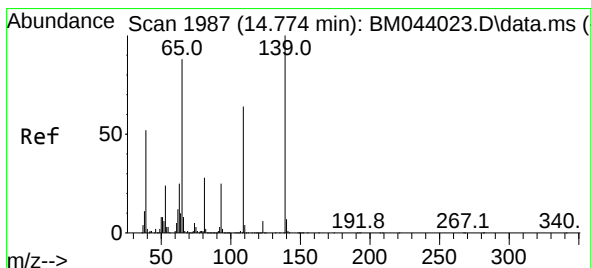
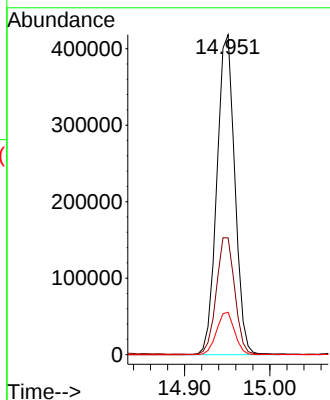
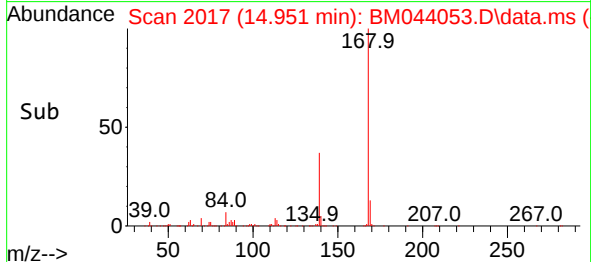
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



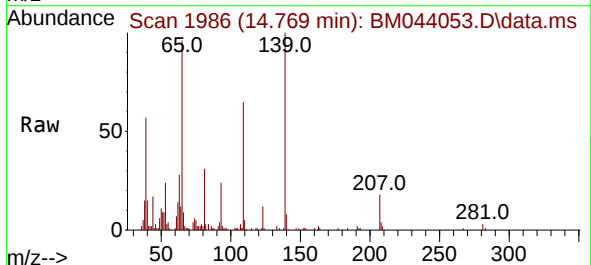
Tgt Ion:168 Resp: 612602
Ion Ratio Lower Upper
168 100
139 36.5 29.6 44.4
169 13.3 10.5 15.7

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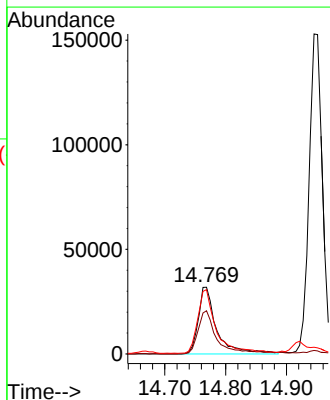
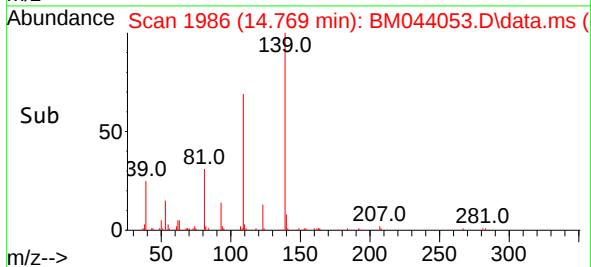
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

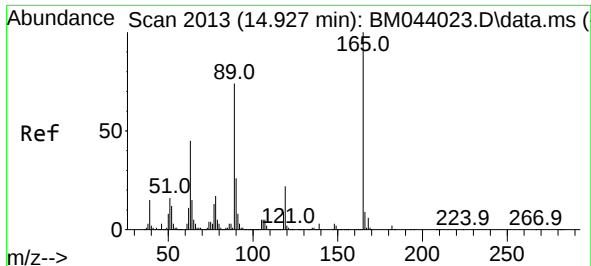


#56
4-Nitrophenol
Concen: 4.335 ng
RT: 14.769 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



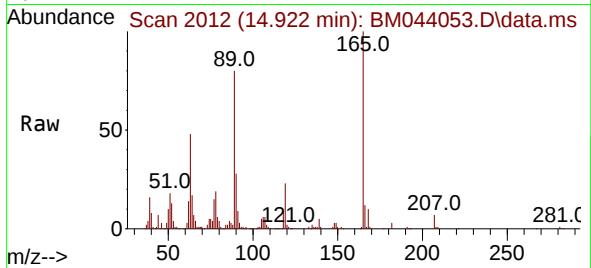
Tgt Ion:139 Resp: 67039
Ion Ratio Lower Upper
139 100
109 64.7 43.8 83.8
65 96.3 67.7 107.7





#57
2,4-Dinitrotoluene
Concen: 4.813 ng
RT: 14.922 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

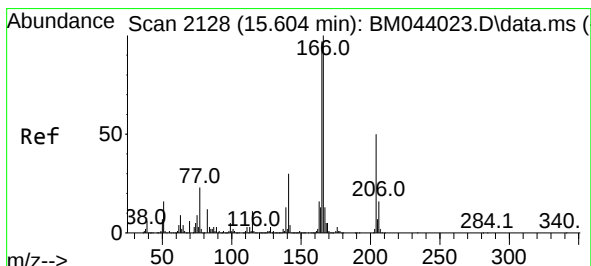
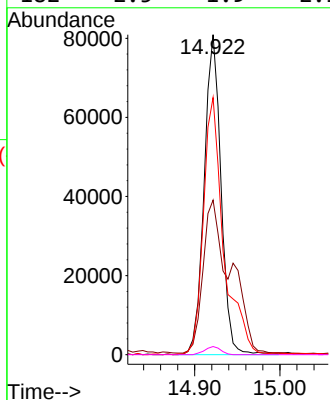
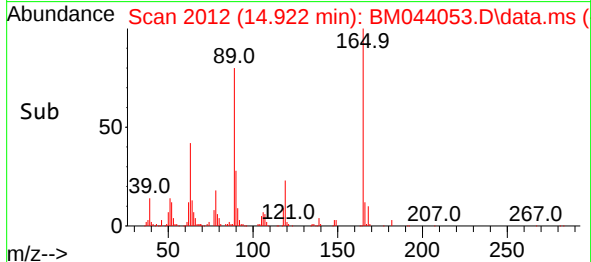
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



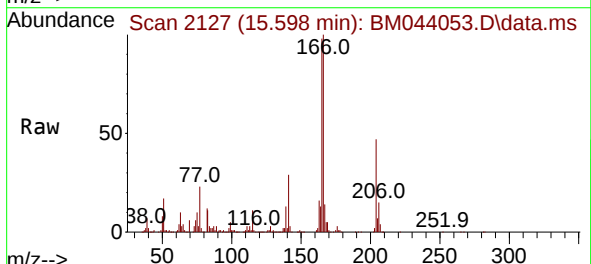
Tgt Ion:165 Resp: 111352
Ion Ratio Lower Upper
165 100
63 48.3 35.9 53.9
89 80.4 58.9 88.3
182 2.5 1.9 2.9

Manual Integrations
APPROVED

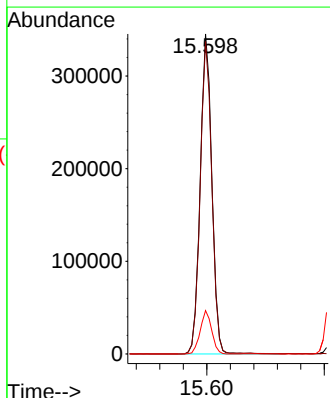
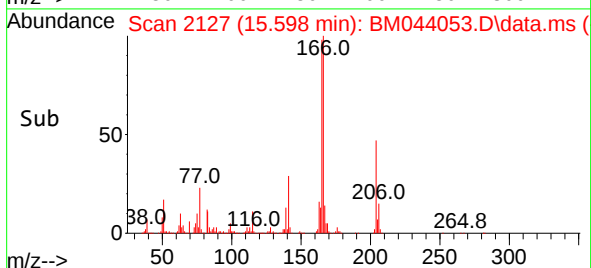
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

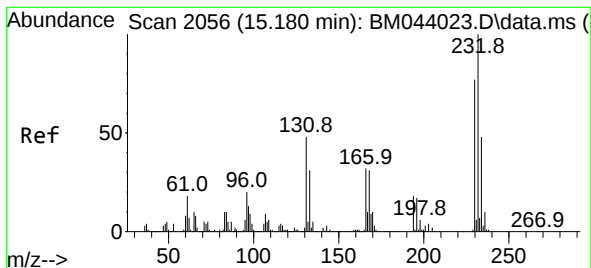


#58
Fluorene
Concen: 6.357 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



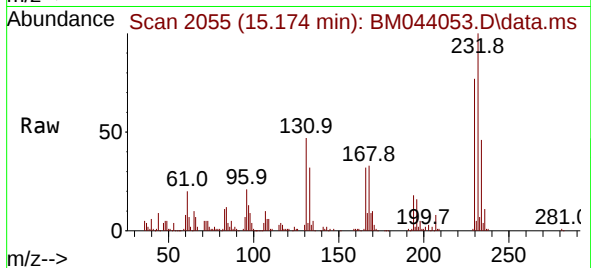
Tgt Ion:166 Resp: 474807
Ion Ratio Lower Upper
166 100
165 97.6 77.7 116.5
167 13.6 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 5.594 ng
RT: 15.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

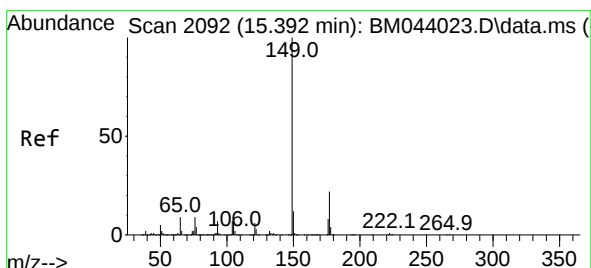
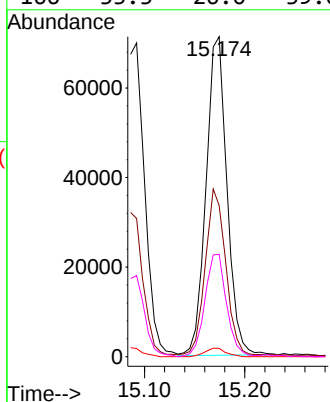
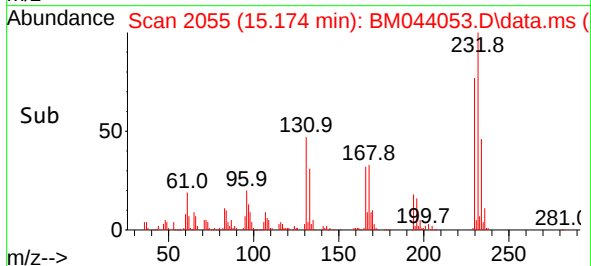
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



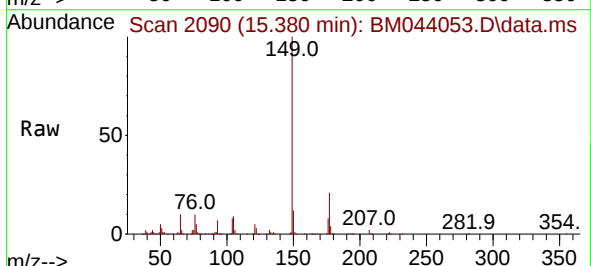
Tgt Ion:232 Resp: 10312
Ion Ratio Lower Upper
232 100
131 51.1 39.5 59.3
130 2.7 2.0 3.0
166 33.3 26.0 39.0

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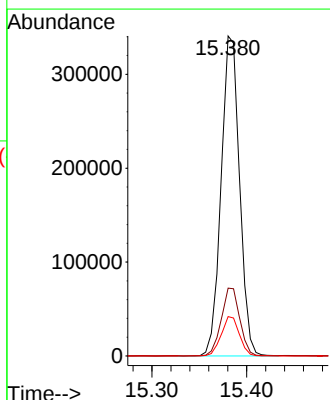
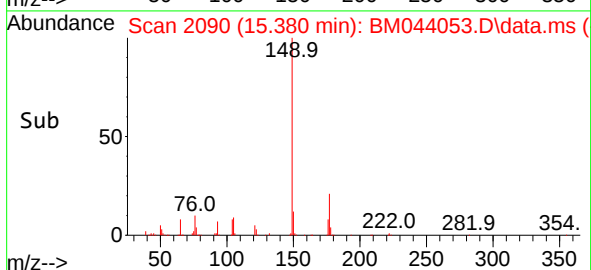
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

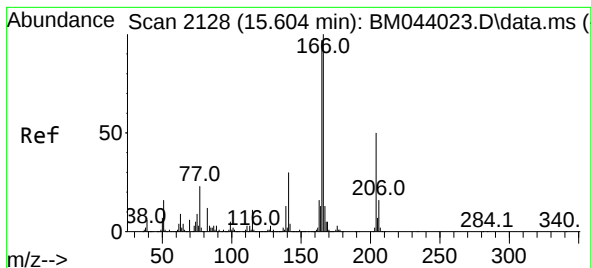


#60
Diethylphthalate
Concen: 5.568 ng
RT: 15.380 min Scan# 2090
Delta R.T. -0.012 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



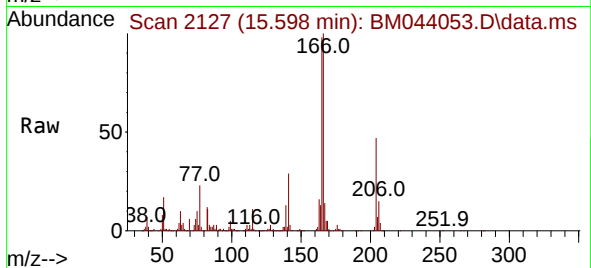
Tgt Ion:149 Resp: 461680
Ion Ratio Lower Upper
149 100
177 21.2 17.5 26.3
150 12.3 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 6.237 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

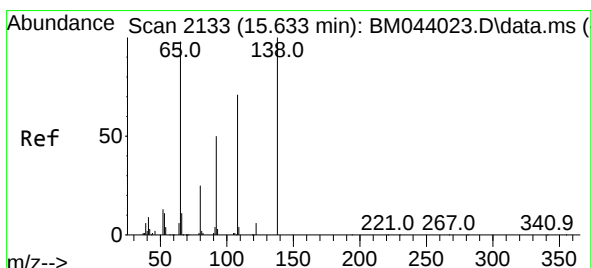
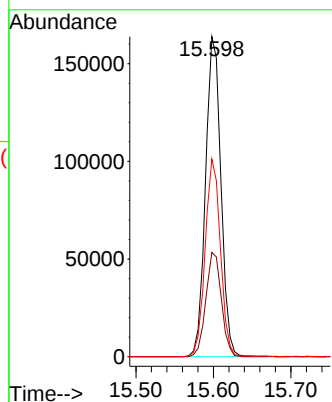
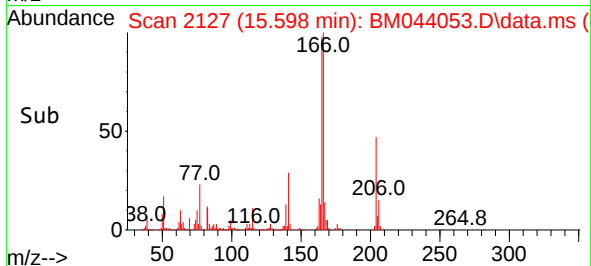
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:204 Resp: 225732
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 61.7 47.7 71.5

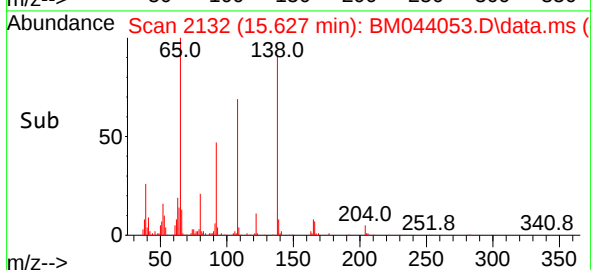
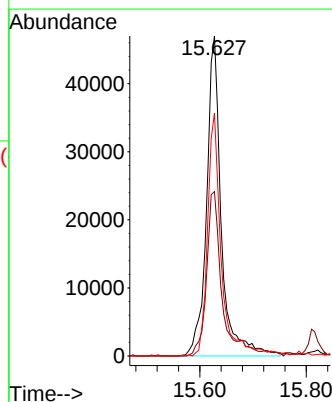
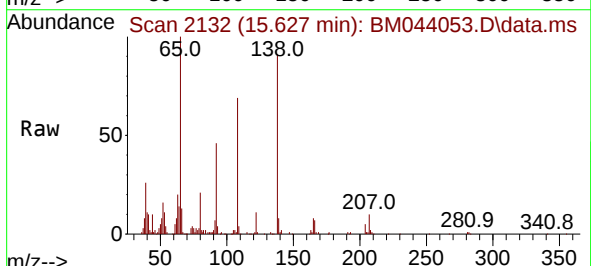
Manual Integrations
APPROVED

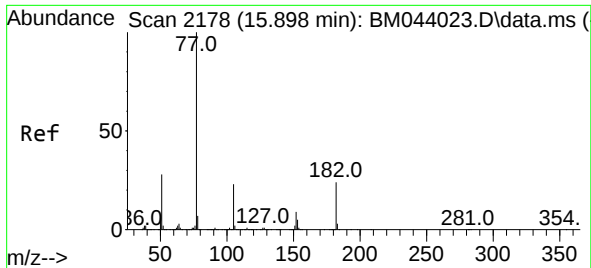
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#62
4-Nitroaniline
Concen: 4.720 ng
RT: 15.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

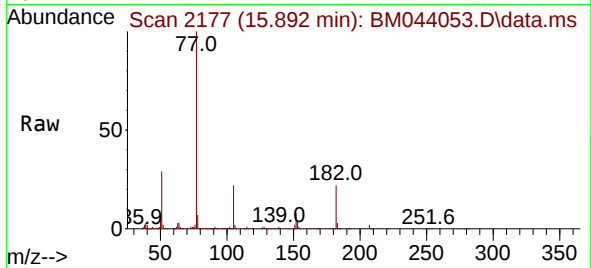
Tgt Ion:138 Resp: 90377
Ion Ratio Lower Upper
138 100
92 51.3 29.6 69.6
108 75.9 47.8 87.8





#63
Azobenzene
Concen: 5.824 ng
RT: 15.892 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

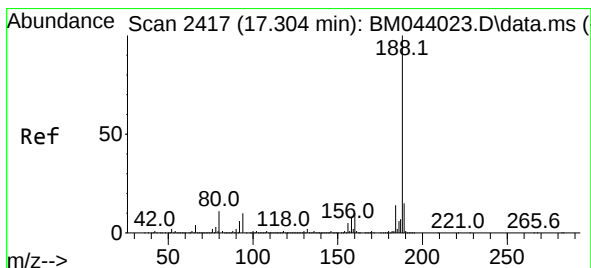
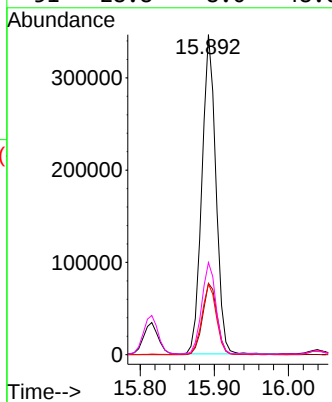
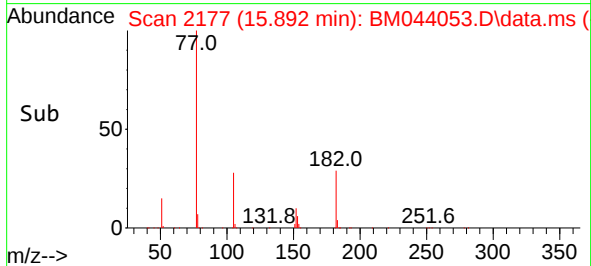
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion: 77 Resp: 453050
Ion Ratio Lower Upper
77 100
182 22.3 4.0 44.0
105 22.1 3.3 43.3
51 28.8 8.0 48.0

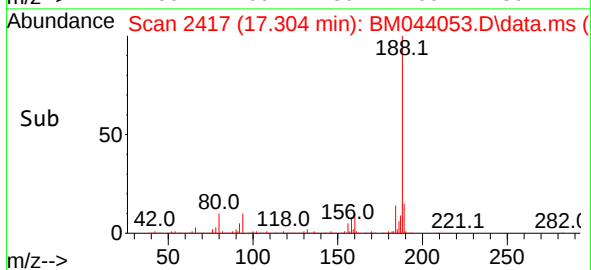
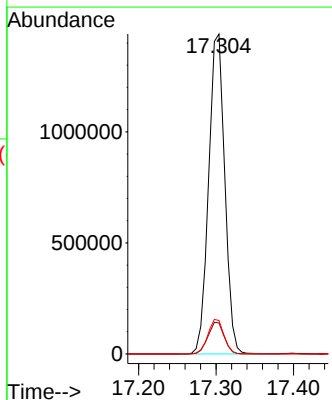
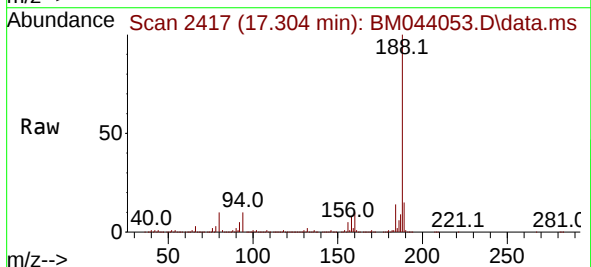
Manual Integrations
APPROVED

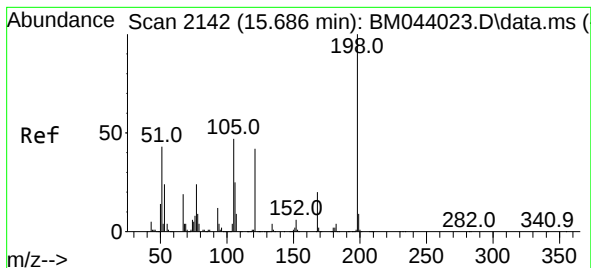
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:188 Resp: 2085038
Ion Ratio Lower Upper
188 100
94 9.7 8.2 12.2
80 10.4 8.8 13.2





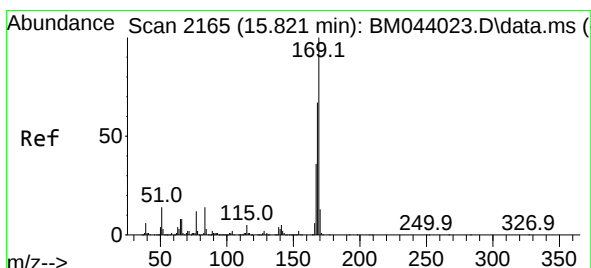
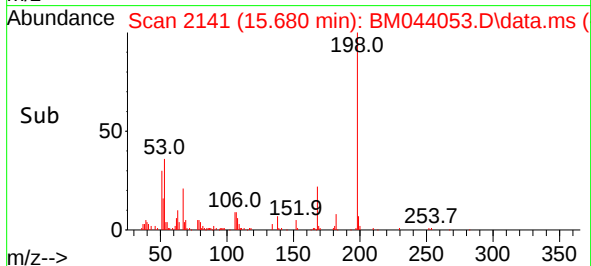
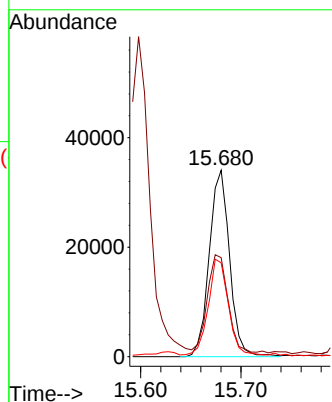
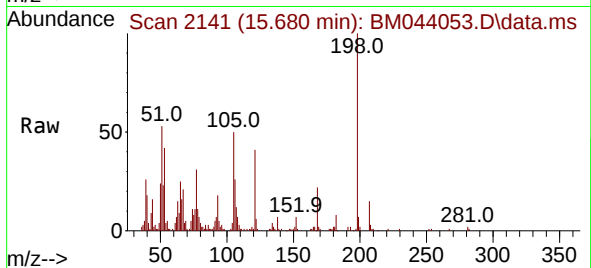
#65
4,6-Dinitro-2-methylphenol
Concen: 3.867 ng
RT: 15.680 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT3-2023

Tgt Ion:198 Resp: 48045
Ion Ratio Lower Upper
198 100
51 53.1 29.9 69.9
105 50.4 28.7 68.7

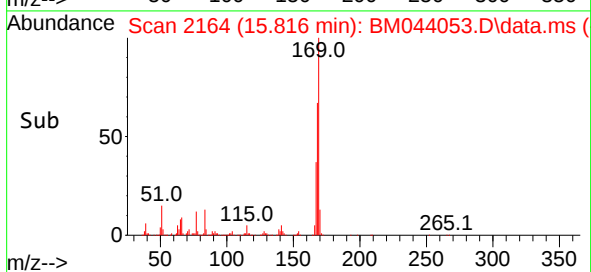
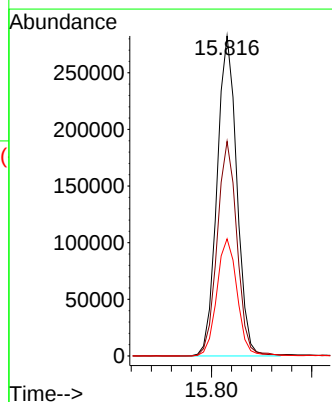
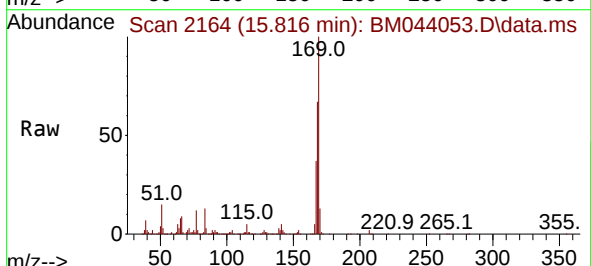
Manual Integrations
APPROVED

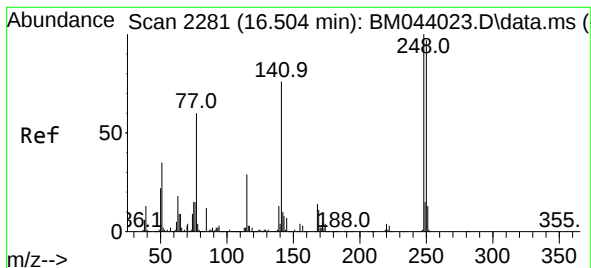
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#66
n-Nitrosodiphenylamine
Concen: 6.097 ng
RT: 15.816 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

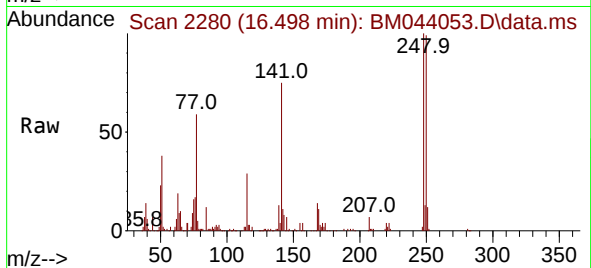
Tgt Ion:169 Resp: 386216
Ion Ratio Lower Upper
169 100
168 67.1 53.8 80.8
167 36.6 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 5.461 ng
RT: 16.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

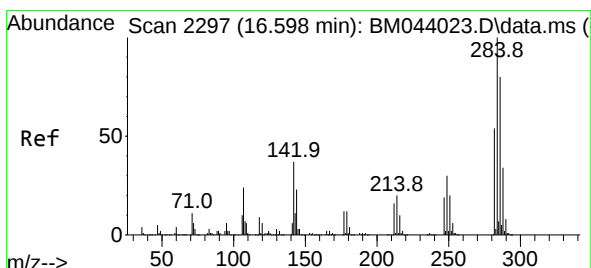
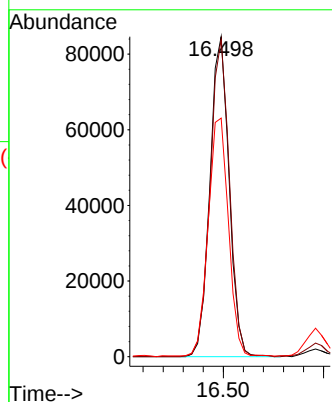
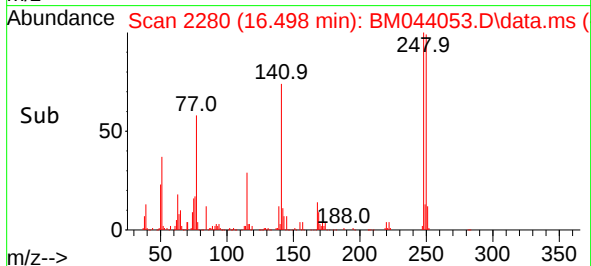
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



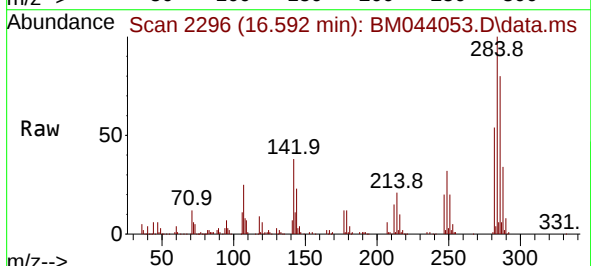
Tgt Ion:248 Resp: 11258
Ion Ratio Lower Upper
248 100
250 99.1 77.4 116.2
141 74.6 61.0 91.6

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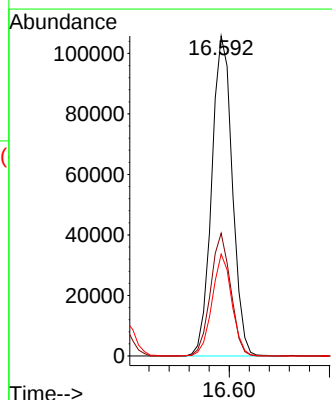
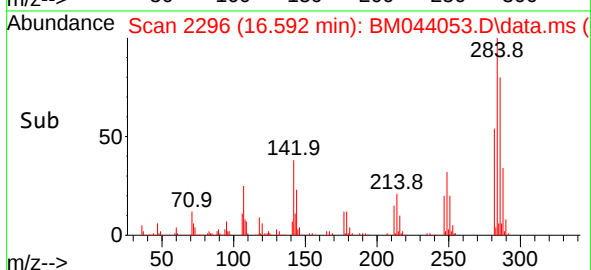
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

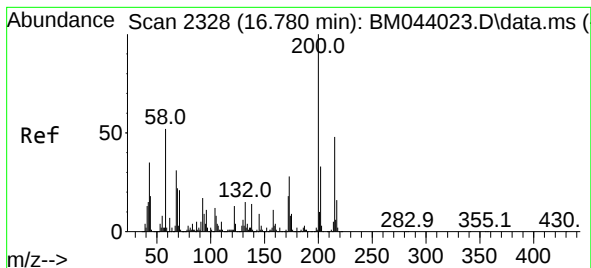


#68
Hexachlorobenzene
Concen: 5.985 ng
RT: 16.592 min Scan# 2296
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53



Tgt Ion:284 Resp: 151131
Ion Ratio Lower Upper
284 100
142 38.3 30.0 45.0
249 31.8 24.1 36.1





#69

Atrazine

Concen: 6.867 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

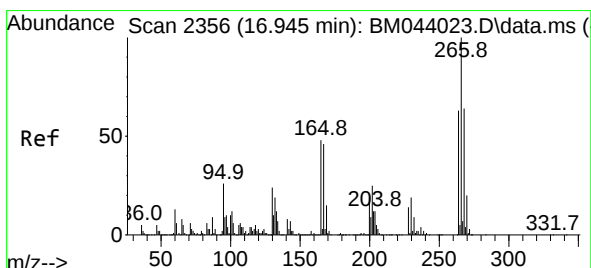
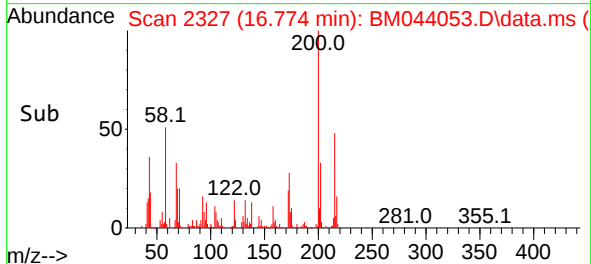
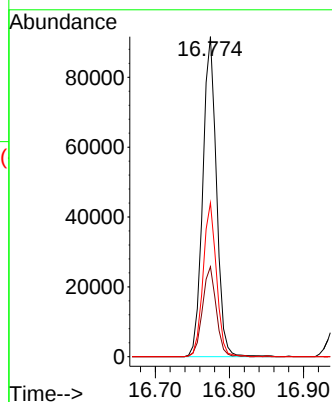
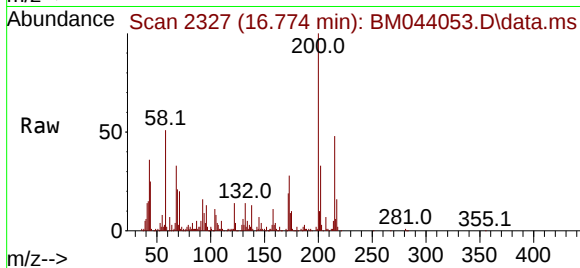
Tgt Ion:200 Resp: 11779
 Ion Ratio Lower Upper
 200 100
 173 28.1 7.9 47.9
 215 48.0 27.9 67.9

Manual Integrations

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Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#70

Pentachlorophenol

Concen: 4.312 ng

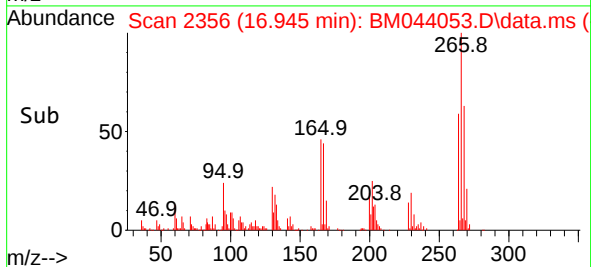
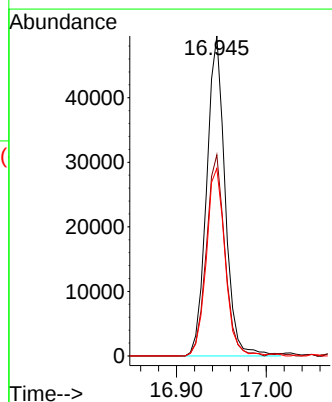
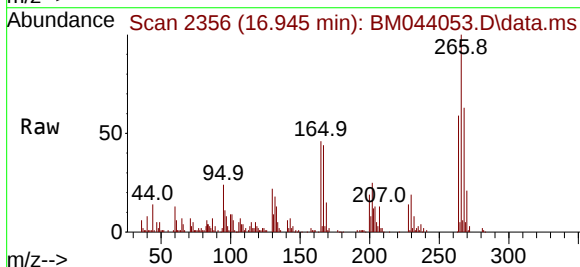
RT: 16.945 min Scan# 2356

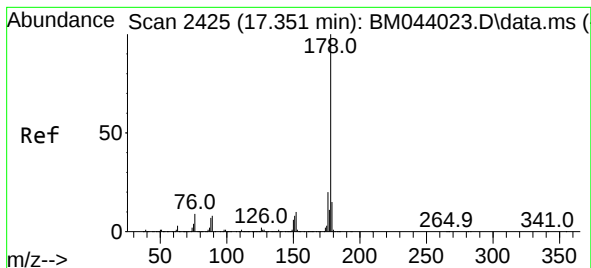
Delta R.T. 0.000 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Tgt Ion:266 Resp: 70842
 Ion Ratio Lower Upper
 266 100
 268 62.8 51.1 76.7
 264 58.6 50.5 75.7





#71

Phenanthrene

Concen: 6.393 ng

RT: 17.345 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:178 Resp: 703890

Ion Ratio Lower Upper

178 100

176 20.2 15.6 23.4

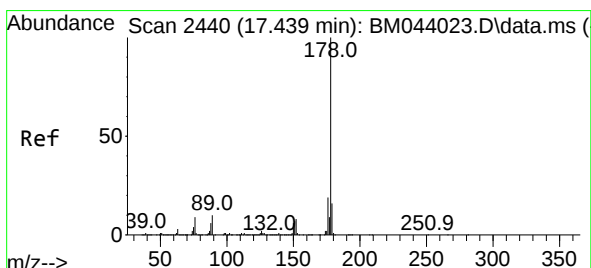
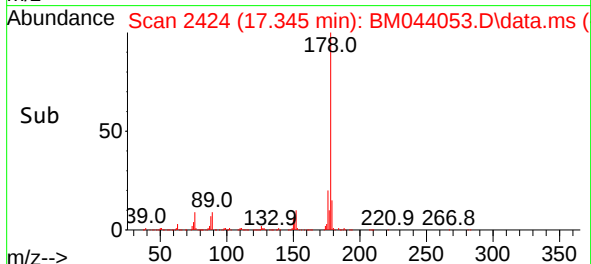
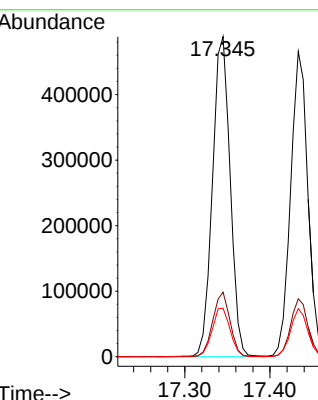
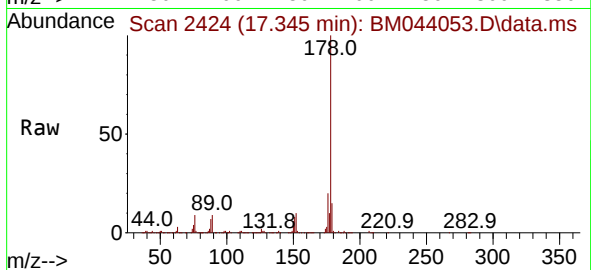
179 15.1 12.2 18.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#72

Anthracene

Concen: 6.104 ng

RT: 17.433 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

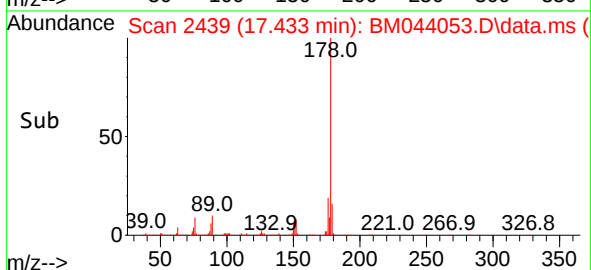
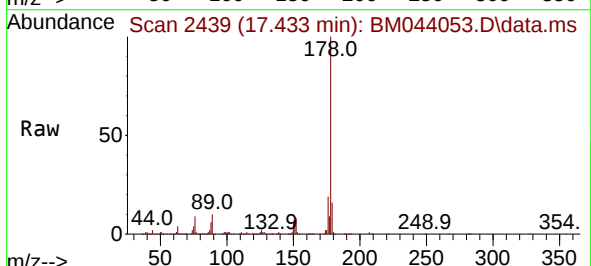
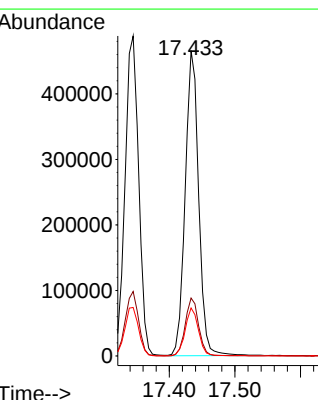
Tgt Ion:178 Resp: 665380

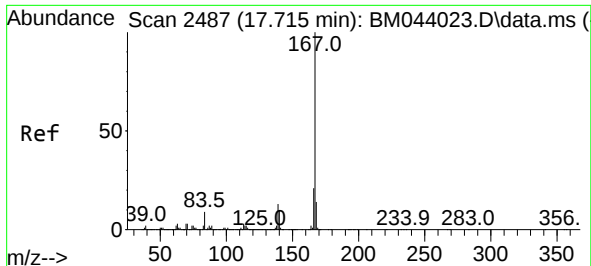
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

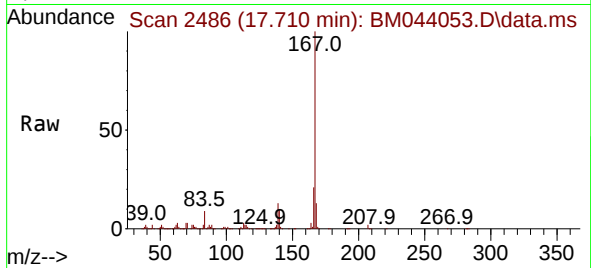
179 15.7 12.4 18.6





#73
 Carbazole
 Concen: 5.795 ng
 RT: 17.710 min Scan# 2487
 Delta R.T. -0.006 min
 Lab File: BM044053.D
 Acq: 12 Feb 2024 12:53

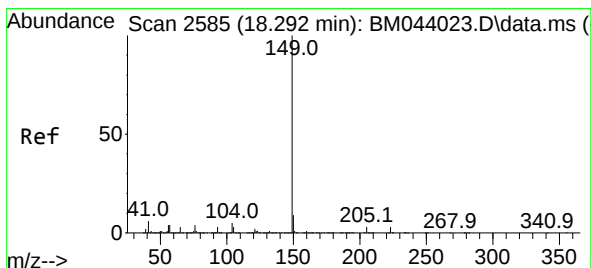
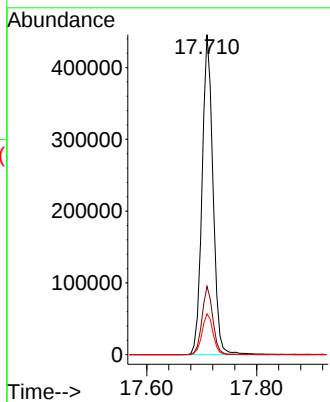
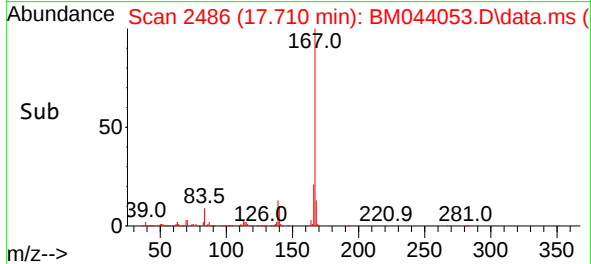
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2023



Tgt Ion:167 Resp: 614335
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.8 25.2
 139 12.8 10.4 15.6

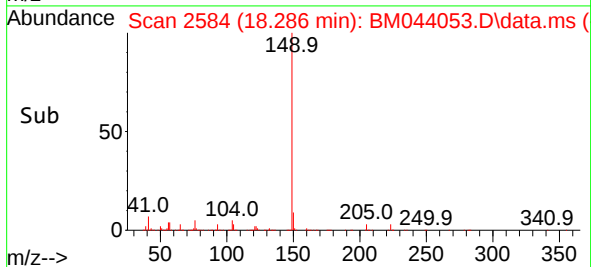
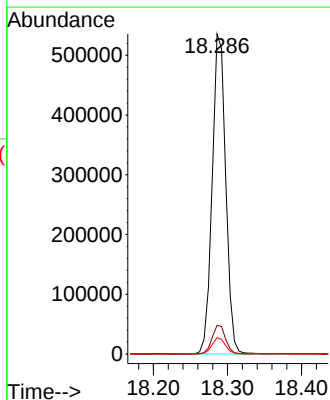
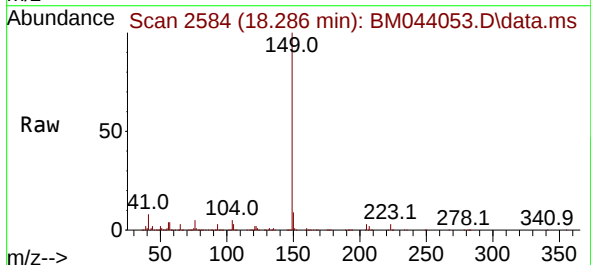
Manual Integrations
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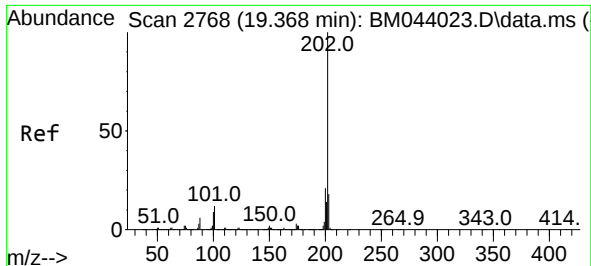
Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024



#74
 Di-n-butylphthalate
 Concen: 4.926 ng
 RT: 18.286 min Scan# 2584
 Delta R.T. -0.006 min
 Lab File: BM044053.D
 Acq: 12 Feb 2024 12:53

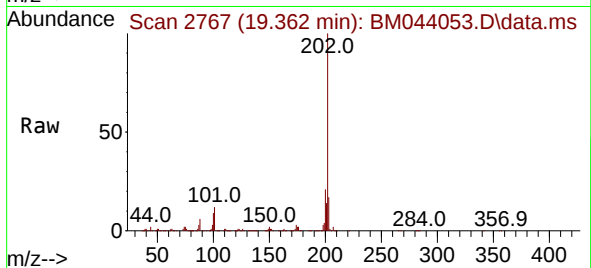
Tgt Ion:149 Resp: 678727
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.2
 104 5.1 3.8 5.6





#75
Fluoranthene
Concen: 5.731 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

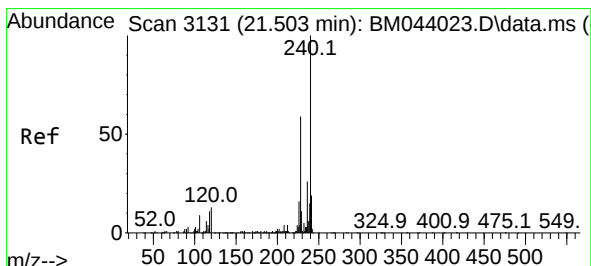
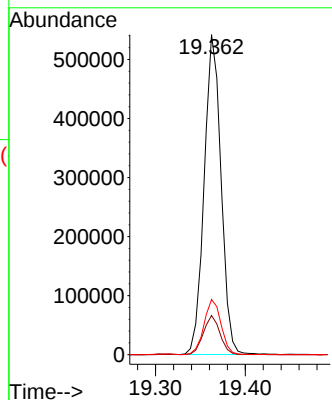
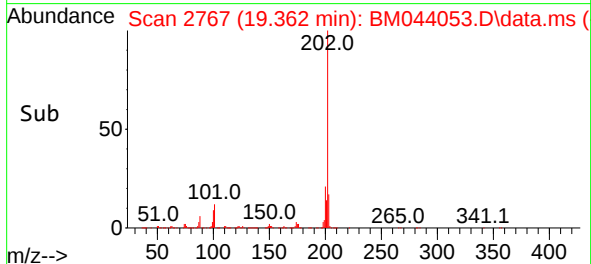
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:202 Resp: 708832
Ion Ratio Lower Upper
202 100
101 12.3 0.0 32.4
203 17.3 0.0 37.8

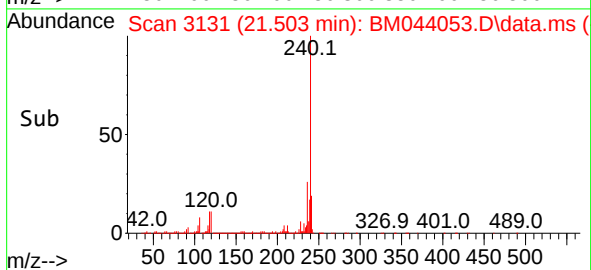
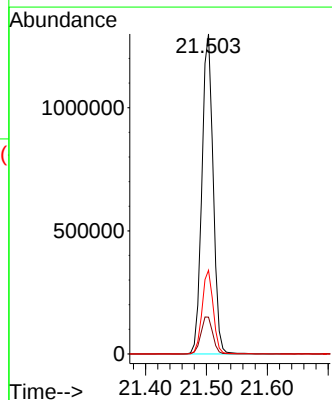
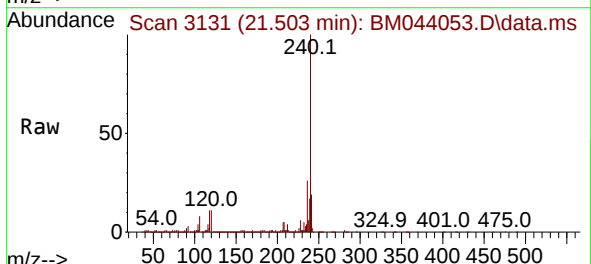
Manual Integrations
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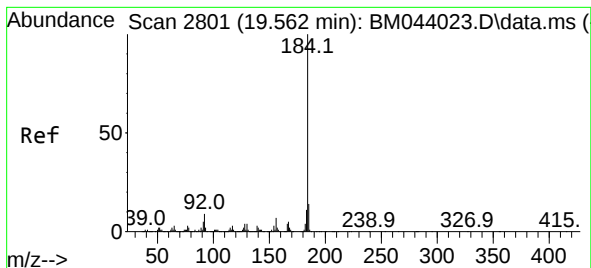
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.503 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:240 Resp: 1662047
Ion Ratio Lower Upper
240 100
120 11.5 10.1 15.1
236 26.1 20.6 31.0





#77

Benzidine

Concen: 8.784 ng

RT: 19.562 min Scan# 2801

Delta R.T. 0.000 min

Lab File: BM044053.D

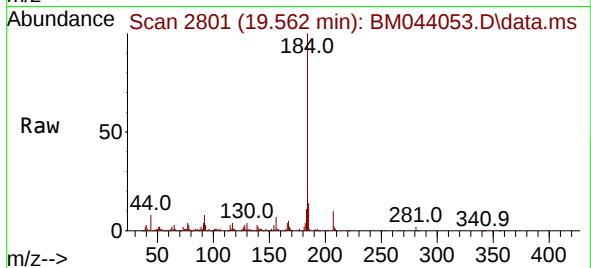
Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023



Tgt Ion:184 Resp: 226869

Ion Ratio Lower Upper

184 100

185 14.2 11.0 16.6

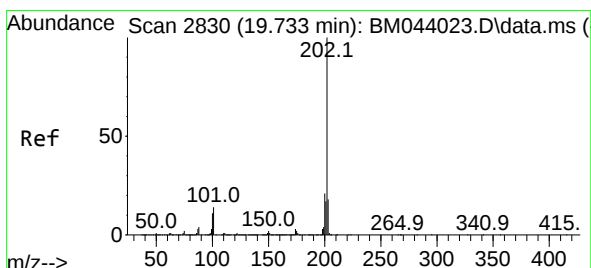
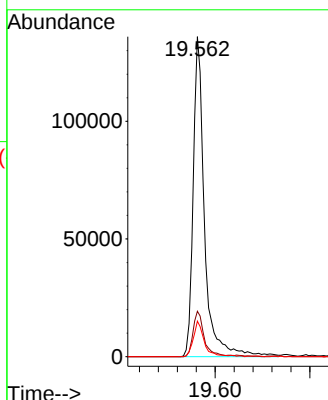
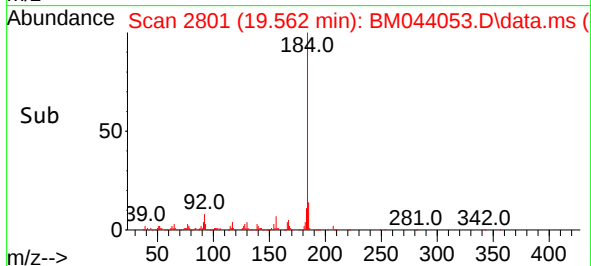
183 11.1 9.0 13.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#78

Pyrene

Concen: 5.846 ng

RT: 19.727 min Scan# 2829

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

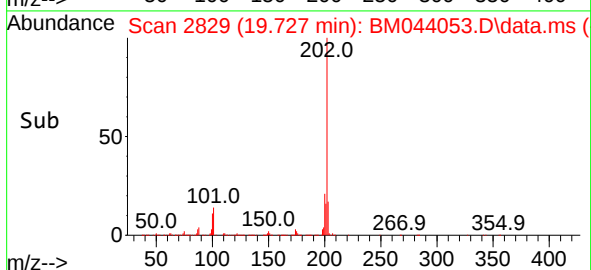
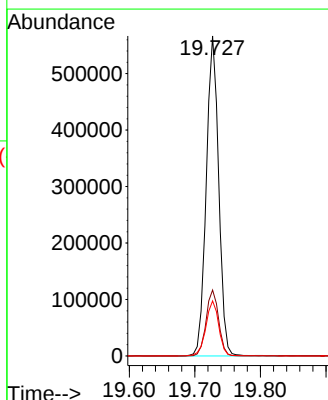
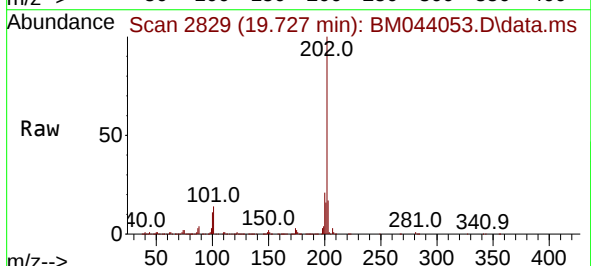
Tgt Ion:202 Resp: 748288

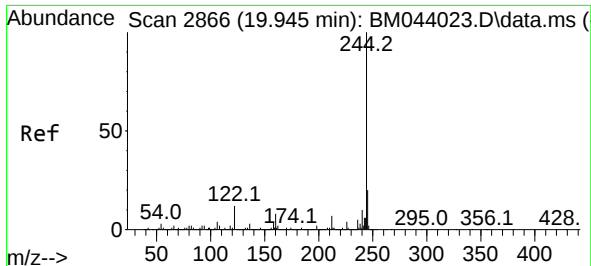
Ion Ratio Lower Upper

202 100

200 20.6 16.8 25.2

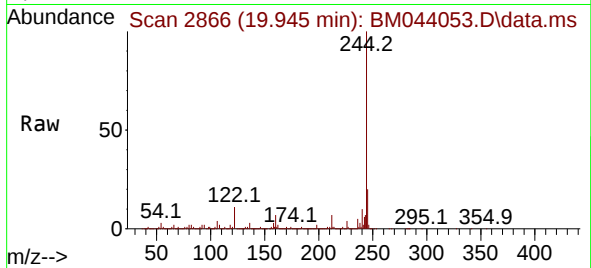
203 17.2 14.0 21.0





#79
 Terphenyl-d14
 Concen: 60.836 ng
 RT: 19.945 min Scan# 2866
 Delta R.T. 0.000 min
 Lab File: BM044053.D
 Acq: 12 Feb 2024 12:53

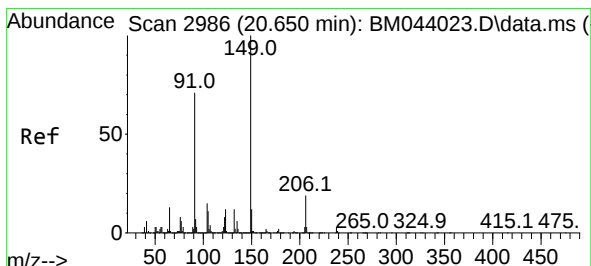
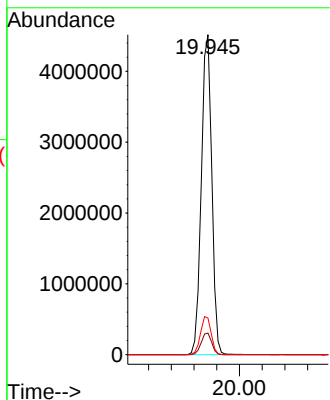
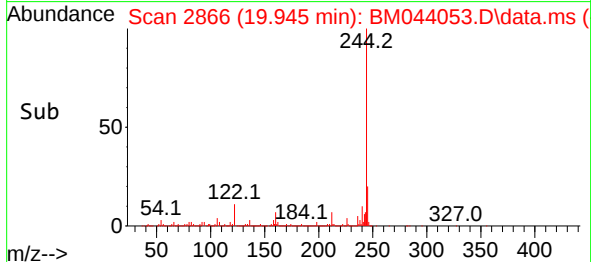
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2023



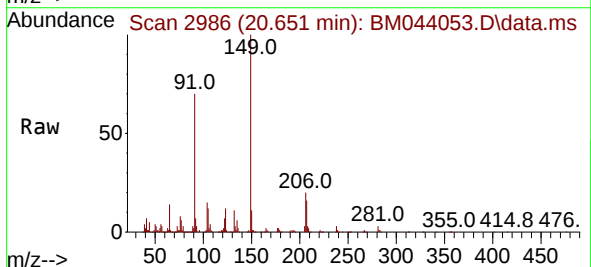
Tgt Ion:244 Resp: 576784
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.5 9.5 14.3

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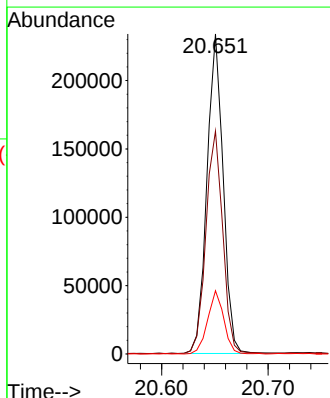
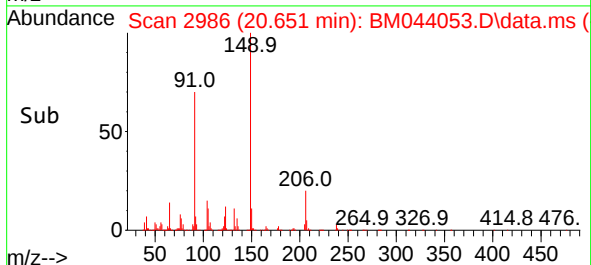
Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024

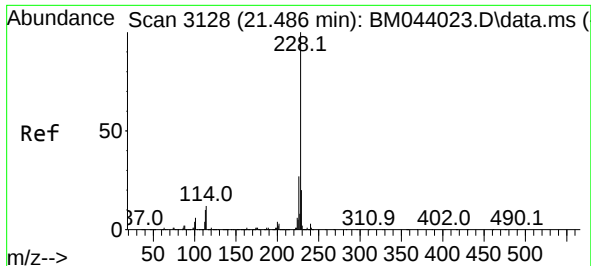


#80
 Butylbenzylphthalate
 Concen: 4.337 ng
 RT: 20.651 min Scan# 2986
 Delta R.T. 0.000 min
 Lab File: BM044053.D
 Acq: 12 Feb 2024 12:53



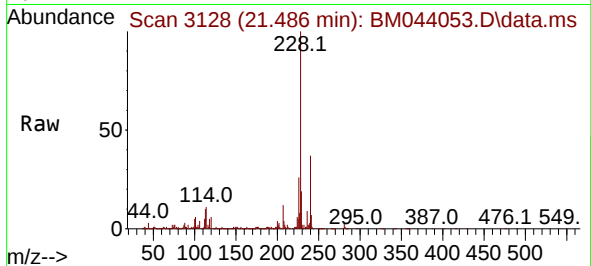
Tgt Ion:149 Resp: 246753
 Ion Ratio Lower Upper
 149 100
 91 69.7 56.8 85.2
 206 19.8 15.0 22.6





#81
Benzo(a)anthracene
Concen: 5.993 ng
RT: 21.486 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

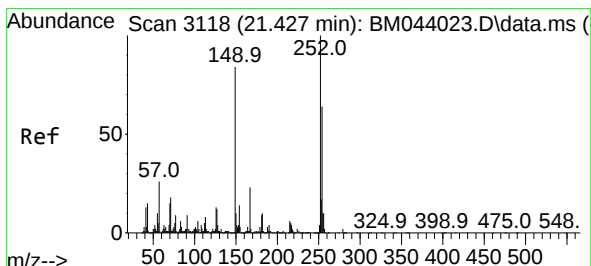
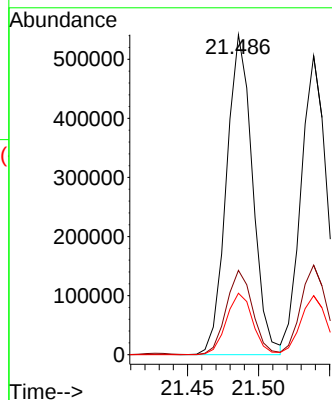
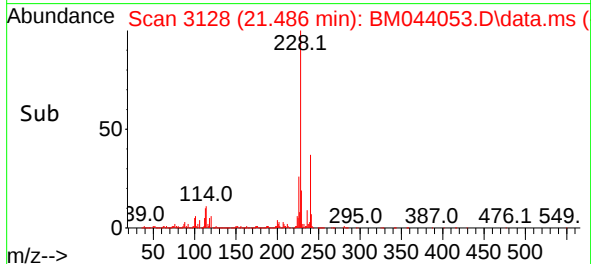
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:228 Resp: 692830
Ion Ratio Lower Upper
228 100
226 26.4 21.4 32.2
229 19.2 15.9 23.9

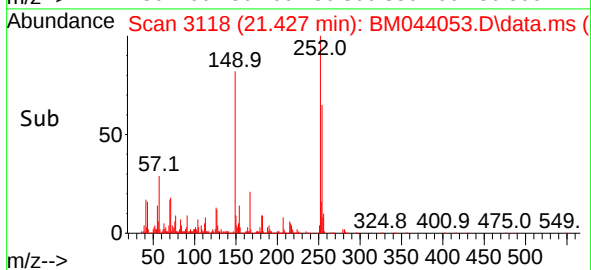
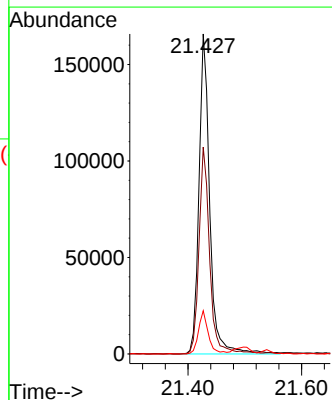
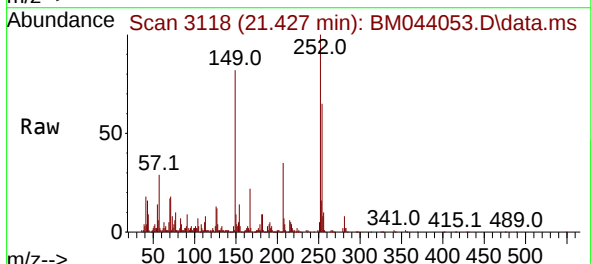
Manual Integrations
APPROVED

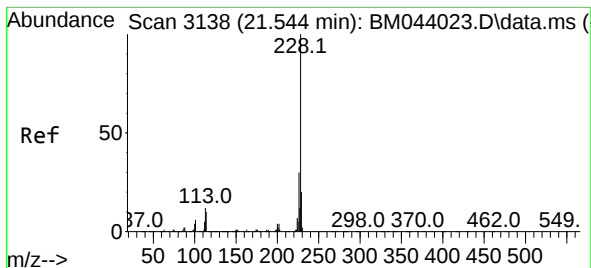
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#82
3,3'-Dichlorobenzidine
Concen: 5.787 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:252 Resp: 219514
Ion Ratio Lower Upper
252 100
254 64.6 51.2 76.8
126 13.5 10.2 15.4





#83

Chrysene

Concen: 5.867 ng

RT: 21.539 min Scan# 3138

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

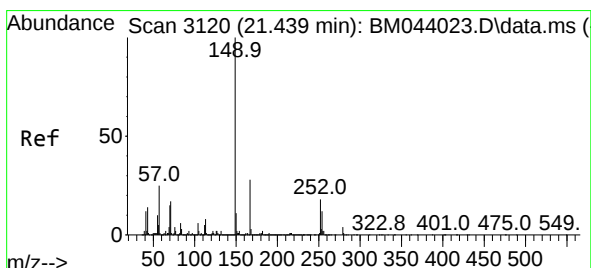
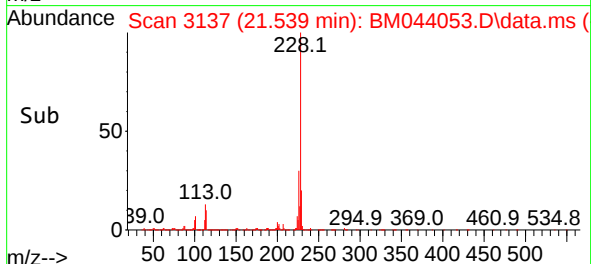
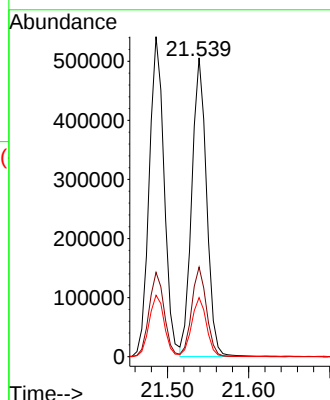
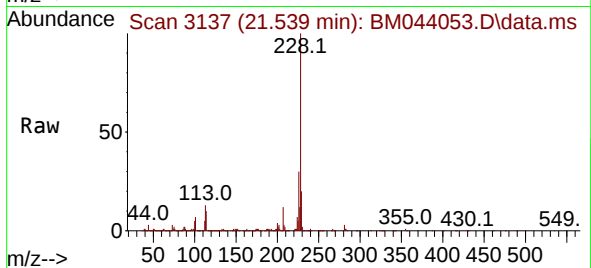
Tgt Ion:228 Resp: 640777
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.2 36.2
 229 19.7 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.396 ng

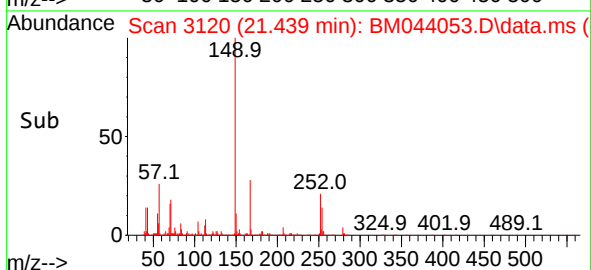
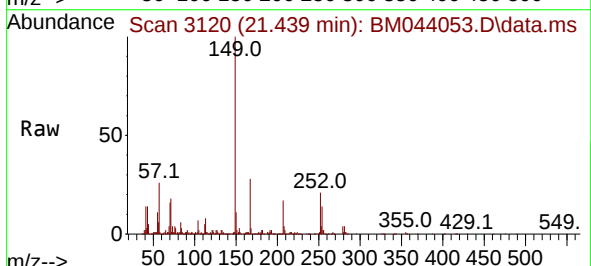
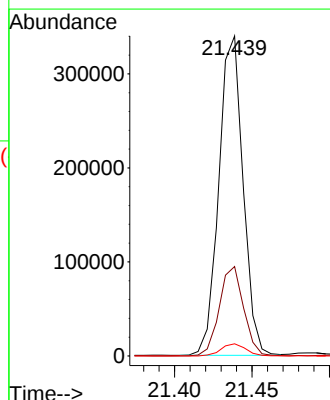
RT: 21.439 min Scan# 3120

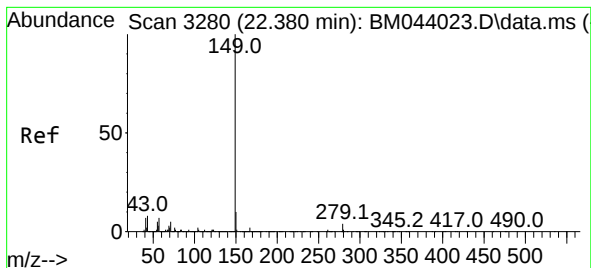
Delta R.T. 0.000 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

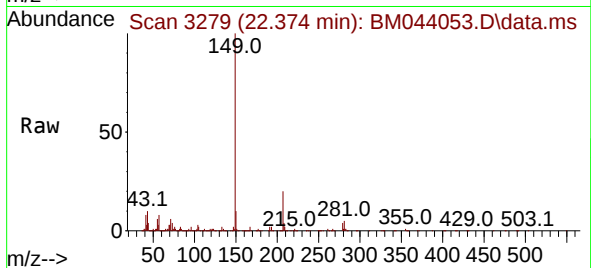
Tgt Ion:149 Resp: 369088
 Ion Ratio Lower Upper
 149 100
 167 28.0 22.6 33.8
 279 3.8 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 3.960 ng
RT: 22.374 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

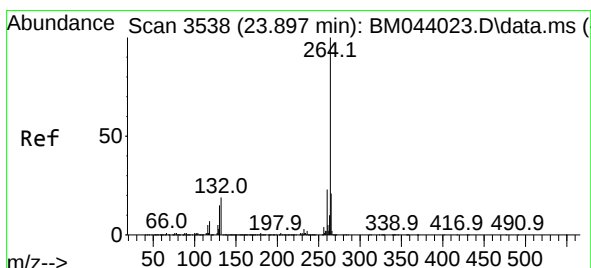
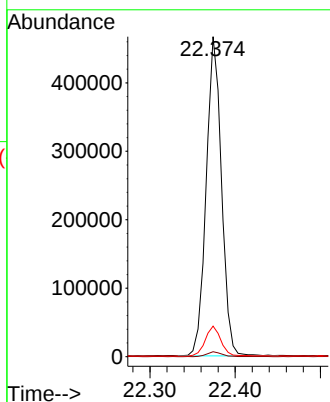
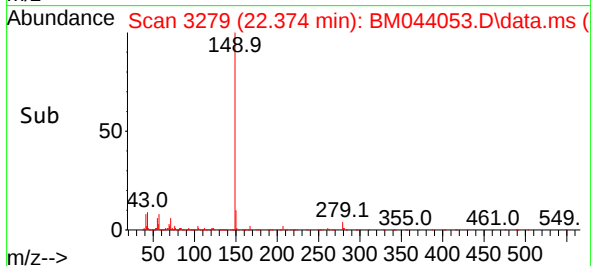
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:149 Resp: 580634
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 9.7 7.0 10.4

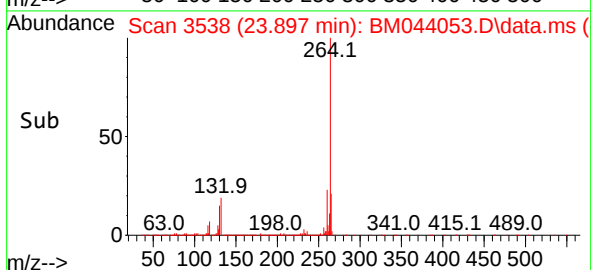
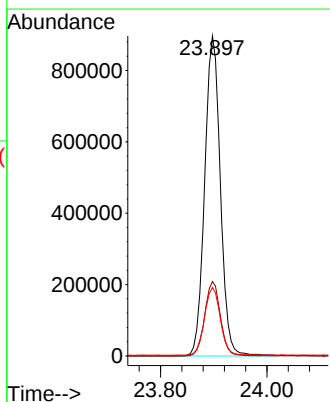
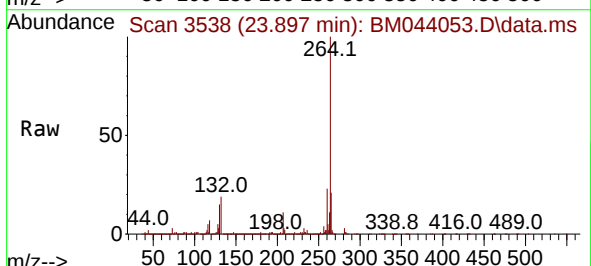
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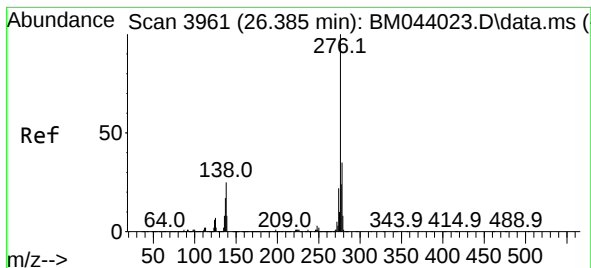
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.897 min Scan# 3538
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:264 Resp: 1832461
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 21.4 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.826 ng

RT: 26.380 min Scan# 3961

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

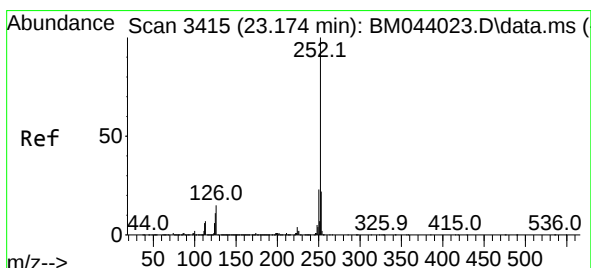
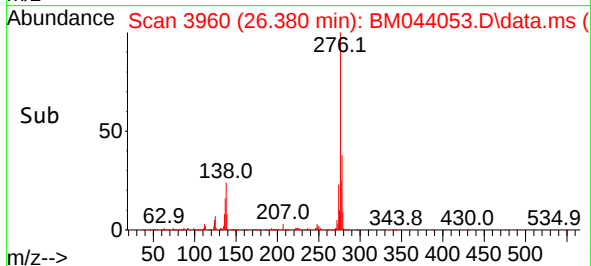
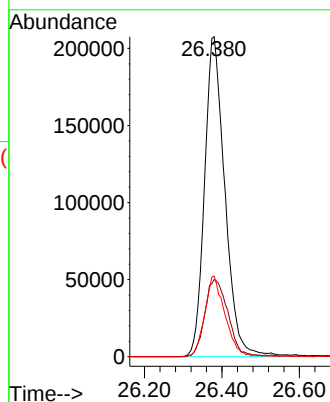
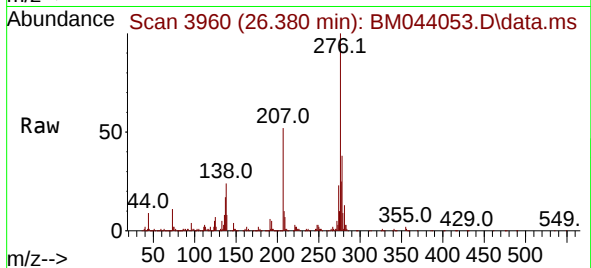
Tgt Ion:	276	Resp:	755578
Ion Ratio	Lower	Upper	
276	100		
138	27.5	22.6	34.0
277	24.9	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#88

Benzo(b)fluoranthene

Concen: 5.708 ng

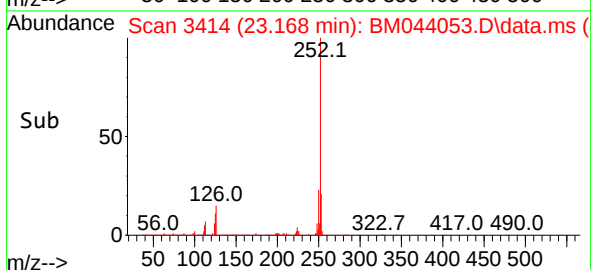
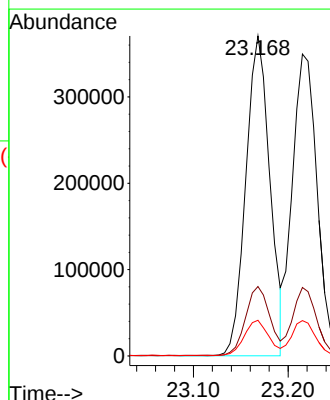
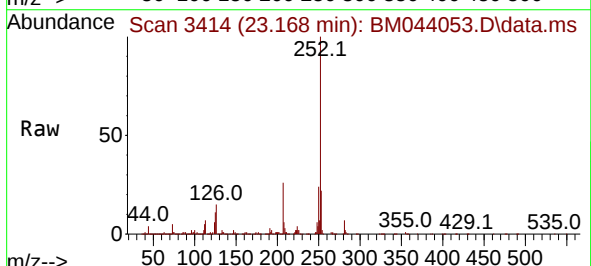
RT: 23.168 min Scan# 3414

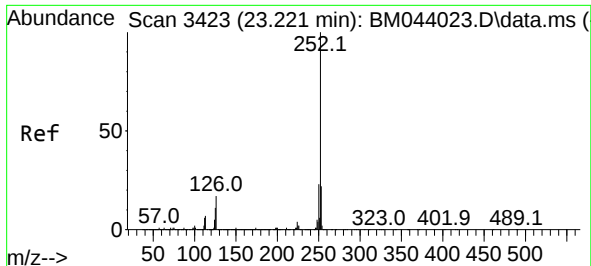
Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Tgt Ion:	252	Resp:	653838
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.6	26.4
125	11.1	8.8	13.2





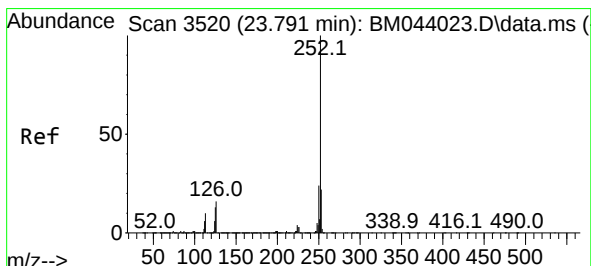
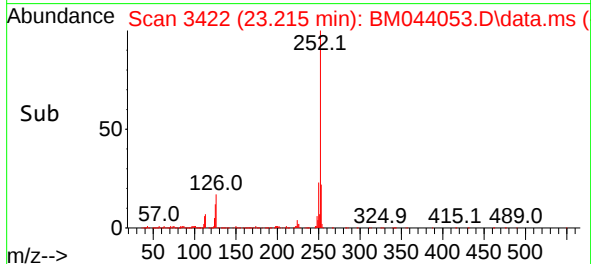
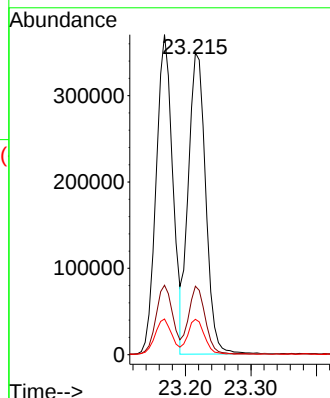
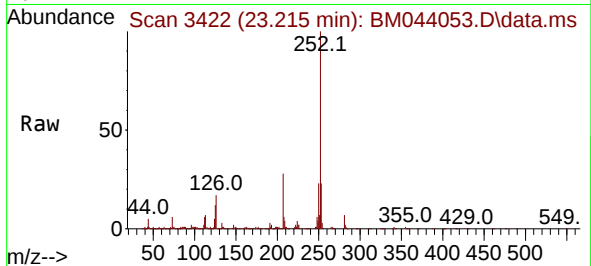
#89
Benzo(k)fluoranthene
Concen: 5.891 ng
RT: 23.215 min Scan# 3423
Delta R.T. -0.006 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT3-2023

Tgt Ion:252 Resp: 641197
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 11.7 9.0 13.4

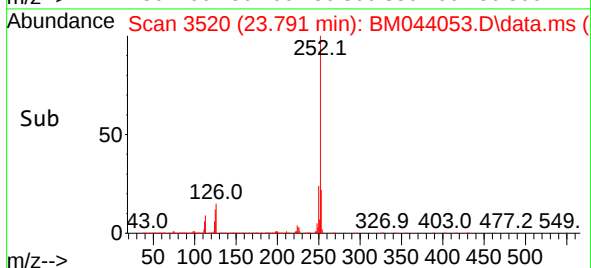
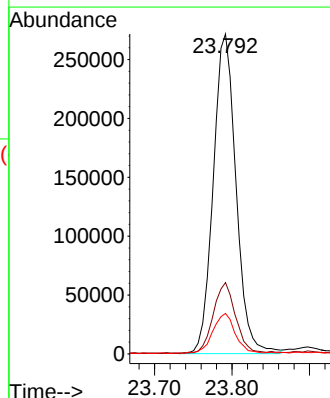
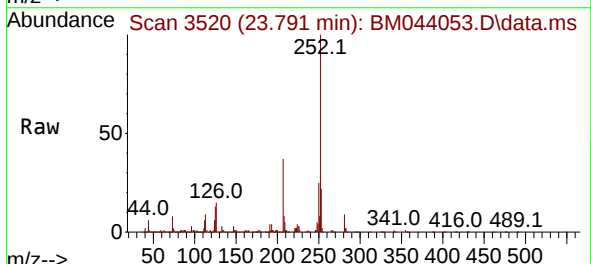
Manual Integrations
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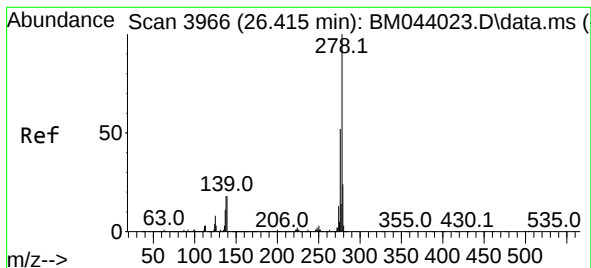
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#90
Benzo(a)pyrene
Concen: 5.537 ng
RT: 23.791 min Scan# 3520
Delta R.T. 0.000 min
Lab File: BM044053.D
Acq: 12 Feb 2024 12:53

Tgt Ion:252 Resp: 554048
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 12.6 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 5.935 ng

RT: 26.409 min Scan# 3966

Delta R.T. -0.006 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2023

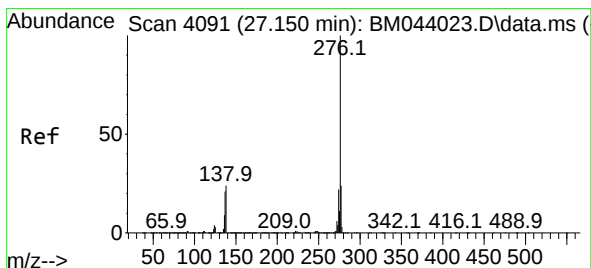
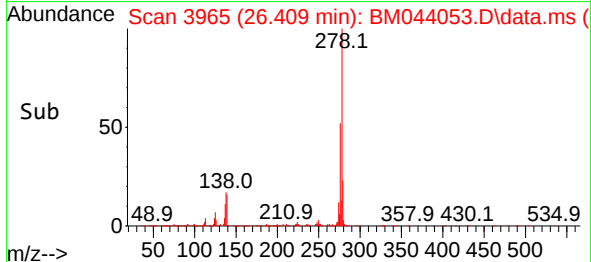
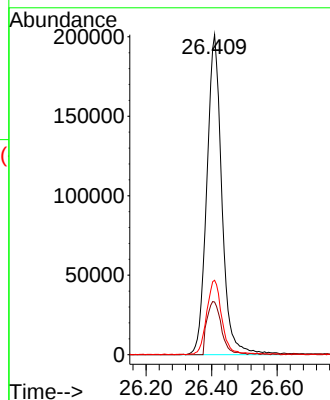
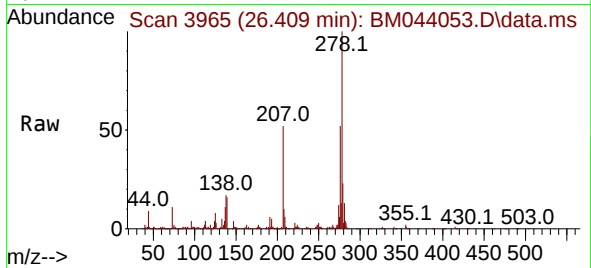
Tgt Ion:	278	Resp:	64391
Ion Ratio	Lower	Upper	
278	100		
139	16.4	14.5	21.7
279	23.2	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#92

Benzo(g,h,i)perylene

Concen: 5.639 ng

RT: 27.132 min Scan# 4088

Delta R.T. -0.017 min

Lab File: BM044053.D

Acq: 12 Feb 2024 12:53

Tgt Ion:	276	Resp:	620409
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.0	28.4
138	24.0	19.1	28.7

