

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
 Data File : BM044059.D
 Acq On : 12 Feb 2024 16:30
 Operator : MA/JU
 Sample : 04699-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Feb 12 17:23:01 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	499261	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	2052323	20.000	ng	-0.01
39) Acenaphthene-d10	14.551	164	1176277	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	2268391	20.000	ng	0.00
76) Chrysene-d12	21.498	240	1844234	20.000	ng	0.00
86) Perylene-d12	23.897	264	1995058	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	2851396	83.066	ng	0.00
7) Phenol-d6	7.075	99	3660162	83.803	ng	0.00
23) Nitrobenzene-d5	9.075	82	2409406	62.296	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	1072186	84.186	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	5104839	61.249	ng	0.00
79) Terphenyl-d14	19.945	244	6432845	61.147	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	89894	6.599	ng	100
3) Pyridine	3.787	79	197173	5.482	ng	98
4) n-Nitrosodimethylamine	3.710	42	87191	6.389	ng	# 94
6) Aniline	7.240	93	302617	7.047	ng	98
8) 2-Chlorophenol	7.469	128	212753	5.935	ng	96
9) Benzaldehyde	7.051	77	189273m	8.433	ng	
10) Phenol	7.098	94	267573	6.070	ng	97
11) bis(2-Chloroethyl)ether	7.340	93	220561	6.042	ng	97
12) 1,3-Dichlorobenzene	7.793	146	237639	5.839	ng	98
13) 1,4-Dichlorobenzene	7.940	146	242894	5.921	ng	98
14) 1,2-Dichlorobenzene	8.257	146	232874	5.957	ng	97
15) Benzyl Alcohol	8.151	79	171614	6.035	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.445	45	290991	6.289	ng	98
17) 2-Methylphenol	8.351	107	165647	5.725	ng	97
18) Hexachloroethane	8.981	117	87358	5.687	ng	98
19) n-Nitroso-di-n-propyla...	8.722	70	164492	6.133	ng	99
20) 3+4-Methylphenols	8.681	107	220686	5.542	ng	99
22) Acetophenone	8.734	105	332378	6.380	ng	# 97
24) Nitrobenzene	9.116	77	246659	6.228	ng	96
25) Isophorone	9.640	82	433931	5.827	ng	98
26) 2-Nitrophenol	9.822	139	95368	5.194	ng	98
27) 2,4-Dimethylphenol	9.887	122	158956	6.770	ng	98
28) bis(2-Chloroethoxy)met...	10.134	93	290770	6.037	ng	99
29) 2,4-Dichlorophenol	10.351	162	171744	5.556	ng	95
30) 1,2,4-Trichlorobenzene	10.569	180	206339	5.936	ng	98
31) Naphthalene	10.757	128	681515	6.017	ng	99
32) Benzoic acid	9.957	122	73947m	3.126	ng	
33) 4-Chloroaniline	10.875	127	268200	6.253	ng	98
34) Hexachlorobutadiene	11.034	225	112143	5.636	ng	98
35) Caprolactam	11.639	113	49172	4.943	ng	92
36) 4-Chloro-3-methylphenol	11.998	107	183216	5.473	ng	99
37) 2-Methylnaphthalene	12.369	142	440695	5.841	ng	96
38) 1-Methylnaphthalene	12.586	142	435235	5.870	ng	100
40) 1,2,4,5-Tetrachloroben...	12.733	216	213343	6.240	ng	100
41) Hexachlorocyclopentadiene	12.704	237	102961	6.900	ng	97
43) 2,4,6-Trichlorophenol	12.980	196	124571	5.354	ng	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	138035	5.406	ng	98
46) 1,1'-Biphenyl	13.386	154	592426	6.383	ng	99
47) 2-Chloronaphthalene	13.422	162	436544	5.937	ng	98
48) 2-Nitroaniline	13.633	65	111270	5.379	ng	86
49) Acenaphthylene	14.269	152	712568	6.496	ng	99
50) Dimethylphthalate	14.016	163	527618	6.050	ng	99
51) 2,6-Dinitrotoluene	14.139	165	102093	5.306	ng	96
52) Acenaphthene	14.610	154	409478	6.032	ng	98
53) 3-Nitroaniline	14.463	138	109303	5.286	ng	90
54) 2,4-Dinitrophenol	14.669	184	33840	8.313	ng	92
55) Dibenzofuran	14.945	168	661804	6.298	ng	98
56) 4-Nitrophenol	14.763	139	75090	4.467	ng	93
57) 2,4-Dinitrotoluene	14.922	165	124730	4.960	ng	97
58) Fluorene	15.598	166	516582	6.362	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.169	232	116697	5.824	ng	98
60) Diethylphthalate	15.380	149	511739	5.678	ng	98
61) 4-Chlorophenyl-phenyle...	15.598	204	247825	6.299	ng	98
62) 4-Nitroaniline	15.621	138	101933	4.897	ng	96
63) Azobenzene	15.892	77	504751	5.969	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	54745	4.050	ng	99
66) n-Nitrosodiphenylamine	15.816	169	429001	6.225	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	122745	5.473	ng	98
68) Hexachlorobenzene	16.592	284	163746	5.960	ng	99
69) Atrazine	16.774	200	130319	6.984	ng	100
70) Pentachlorophenol	16.939	266	78720	4.405	ng	100
71) Phenanthrene	17.345	178	774348	6.464	ng	99
72) Anthracene	17.433	178	744229	6.276	ng	99
73) Carbazole	17.710	167	679477	5.892	ng	98
74) Di-n-butylphthalate	18.286	149	778000	5.190	ng	99
75) Fluoranthene	19.362	202	789621	5.868	ng	99
77) Benzidine	19.562	184	241168	8.415	ng	98
78) Pyrene	19.727	202	833190	5.866	ng	100
80) Butylbenzylphthalate	20.651	149	286241	4.534	ng	97
81) Benzo(a)anthracene	21.486	228	761527	5.936	ng	100
82) 3,3'-Dichlorobenzidine	21.427	252	241317	5.733	ng	96
83) Chrysene	21.539	228	724052	5.974	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	442762	4.753	ng	99
85) Di-n-octyl phthalate	22.374	149	675675	4.153	ng	97
87) Indeno(1,2,3-cd)pyrene	26.374	276	812265	5.752	ng	99
88) Benzo(b)fluoranthene	23.168	252	733356	5.880	ng	99
89) Benzo(k)fluoranthene	23.215	252	686816	5.796	ng	100
90) Benzo(a)pyrene	23.786	252	601823	5.525	ng	98
91) Dibenzo(a,h)anthracene	26.403	278	687544	5.821	ng	98
92) Benzo(g,h,i)perylene	27.132	276	661324	5.521	ng	98

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

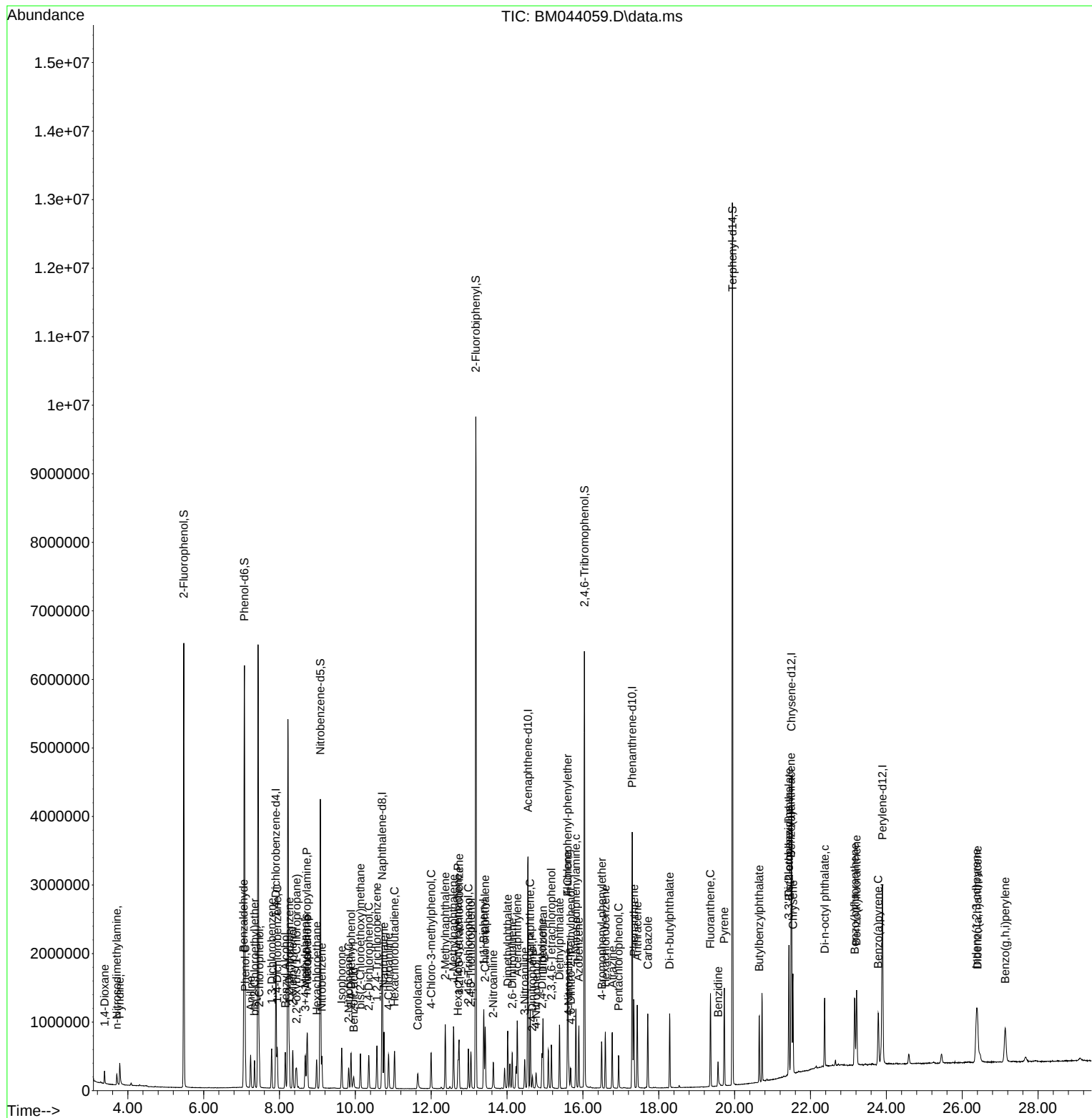
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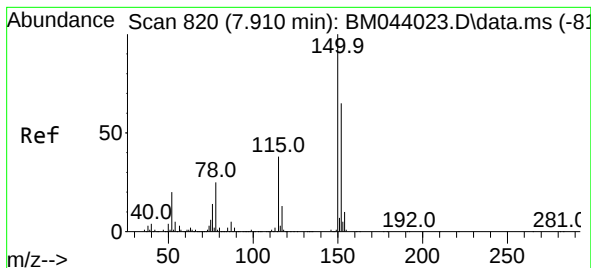
Instrument :
 BNA_M
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 MDL-SOIL-03-QT4-2023

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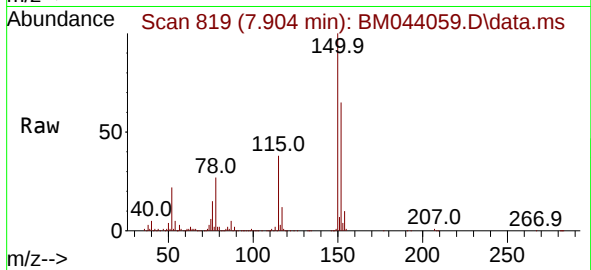
Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

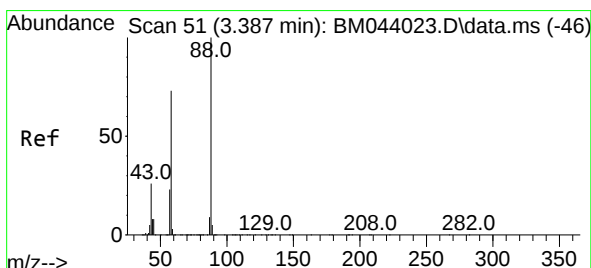
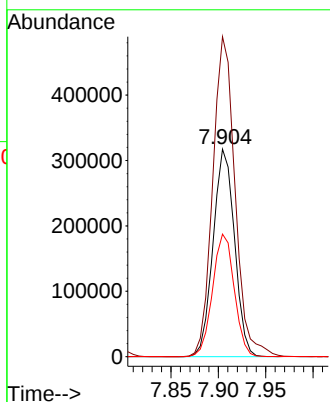
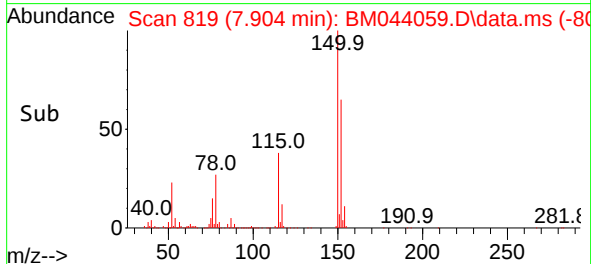
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 152 Resp: 49926
Ion Ratio Lower Upper
152 100
150 154.2 122.7 184.1
115 59.1 47.0 70.6

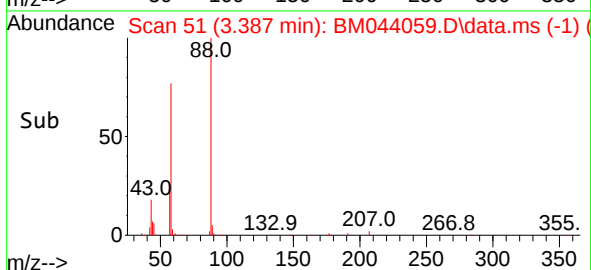
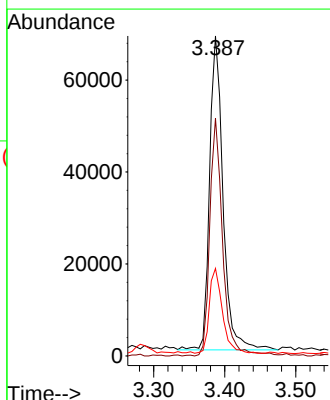
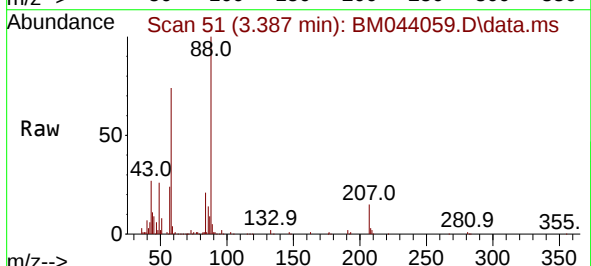
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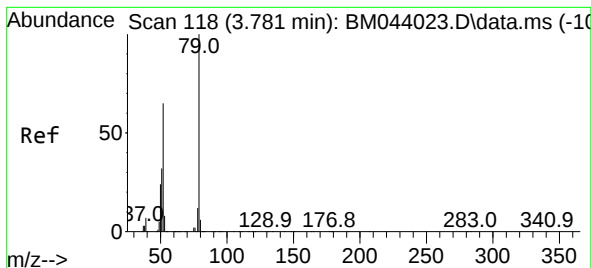
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#2
1,4-Dioxane
Concen: 6.599 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

Tgt Ion: 88 Resp: 89894
Ion Ratio Lower Upper
88 100
58 72.6 58.1 87.1
43 26.3 21.1 31.7





#3

Pyridine

Concen: 5.482 ng

RT: 3.787 min Scan# 118

Delta R.T. 0.006 min

Lab File: BM044059.D

Acq: 12 Feb 2024 16:30

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

Tgt Ion: 79 Resp: 19717

Ion Ratio Lower Upper

79 100

52 63.0 52.2 78.2

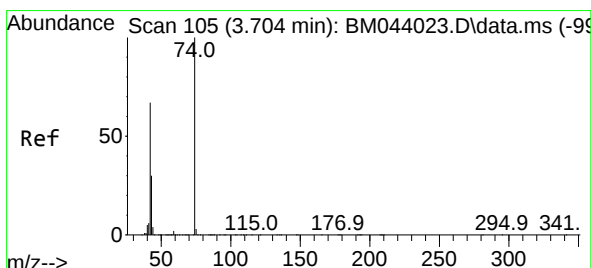
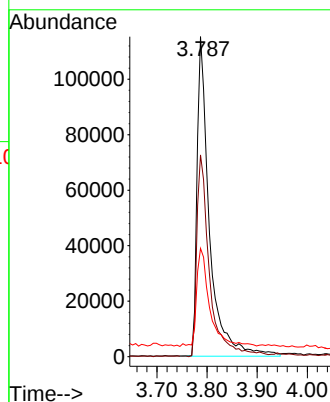
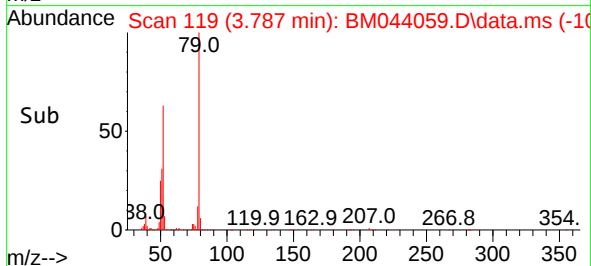
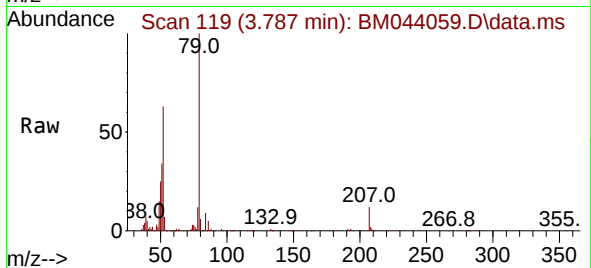
51 33.9 26.2 39.4

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 6.389 ng

RT: 3.710 min Scan# 106

Delta R.T. 0.006 min

Lab File: BM044059.D

Acq: 12 Feb 2024 16:30

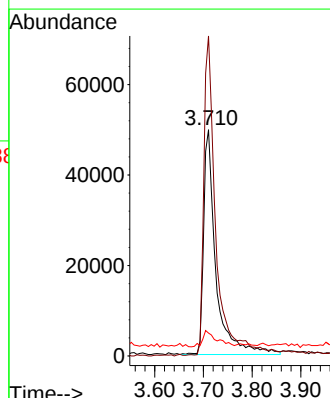
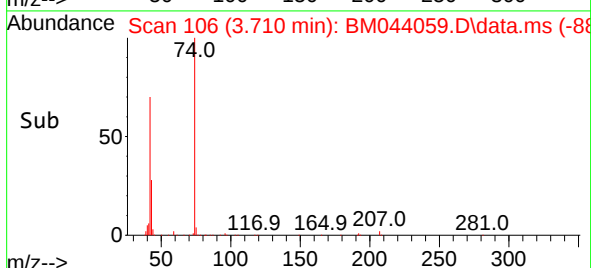
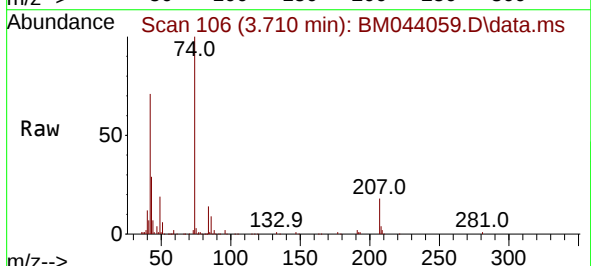
Tgt Ion: 42 Resp: 87191

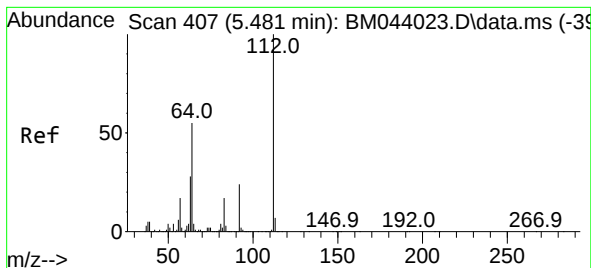
Ion Ratio Lower Upper

42 100

74 141.4 118.6 178.0

44 10.1 5.6 8.4#





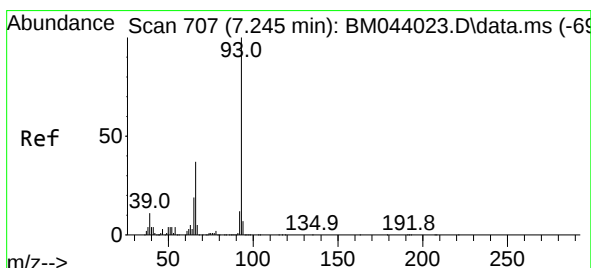
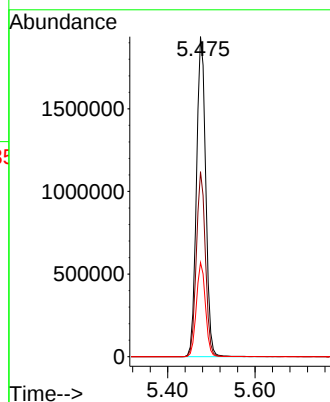
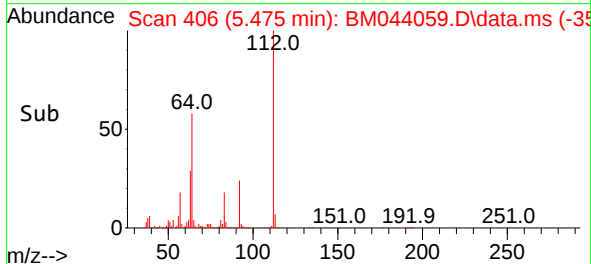
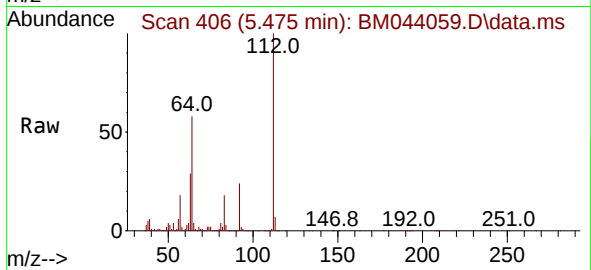
#5
2-Fluorophenol
Concen: 83.066 ng
RT: 5.475 min Scan# 407
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

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

Tgt Ion:112 Resp: 2851390
Ion Ratio Lower Upper
112 100
64 57.8 44.2 66.4
63 29.4 22.6 34.0

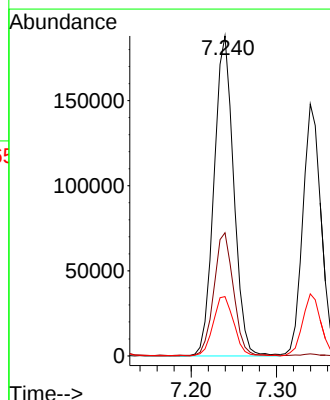
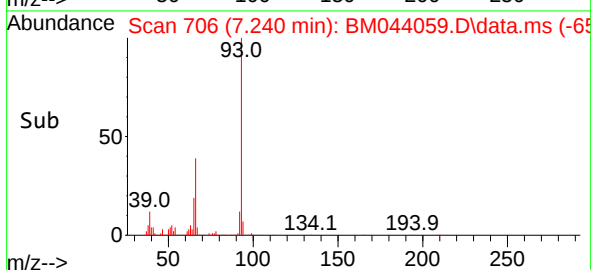
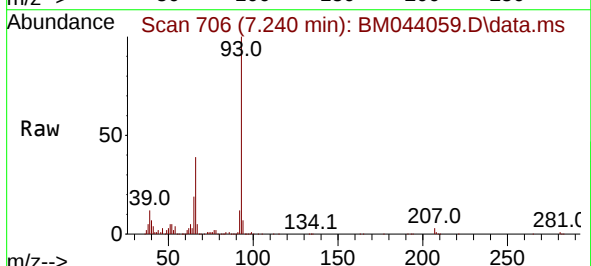
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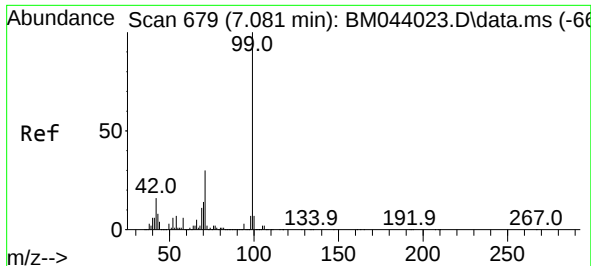
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#6
Aniline
Concen: 7.047 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

Tgt Ion: 93 Resp: 302617
Ion Ratio Lower Upper
93 100
66 38.5 29.4 44.0
65 18.6 15.2 22.8





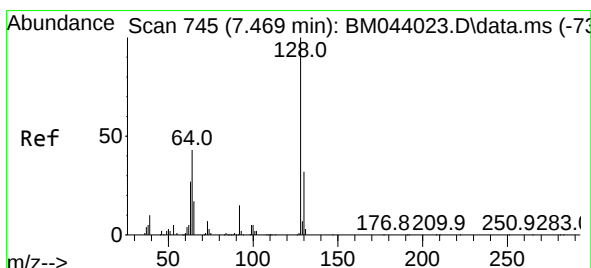
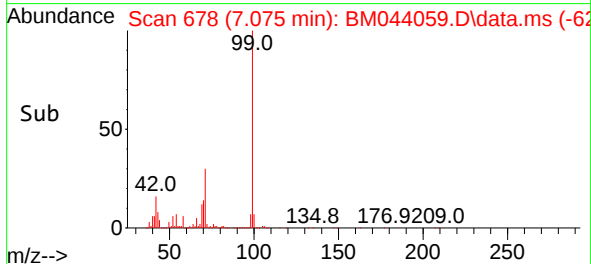
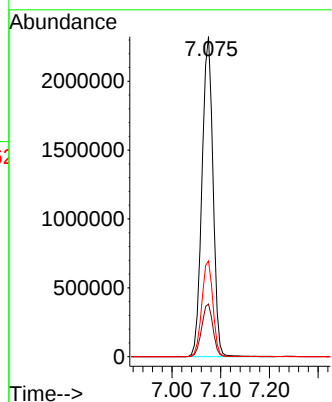
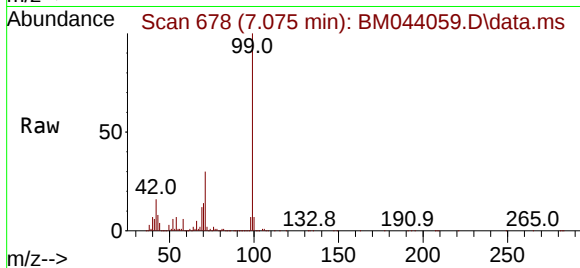
#7
Phenol-d6
Concen: 83.803 ng
RT: 7.075 min Scan# 678
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

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

Tgt Ion: 99 Resp: 366016
Ion Ratio Lower Upper
99 100
42 16.5 12.9 19.3
71 29.9 23.9 35.9

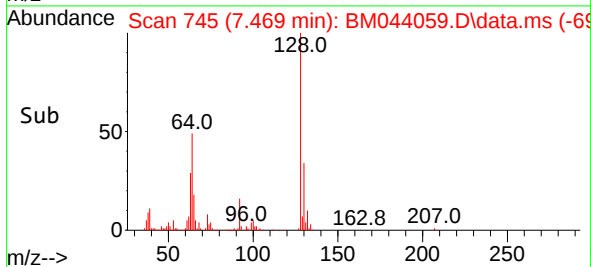
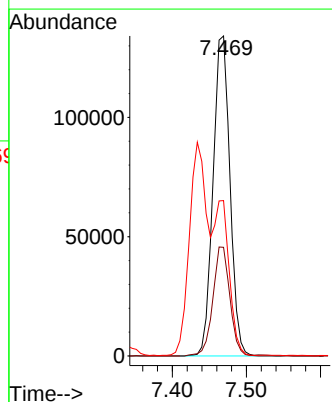
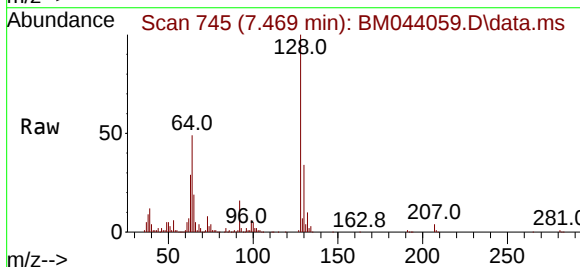
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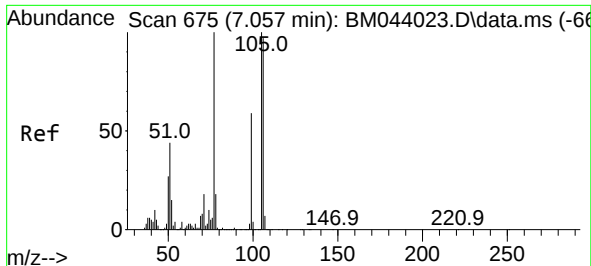
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#8
2-Chlorophenol
Concen: 5.935 ng
RT: 7.469 min Scan# 745
Delta R.T. 0.000 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

Tgt Ion:128 Resp: 212753
Ion Ratio Lower Upper
128 100
130 33.9 12.1 52.1
64 48.6 26.0 66.0





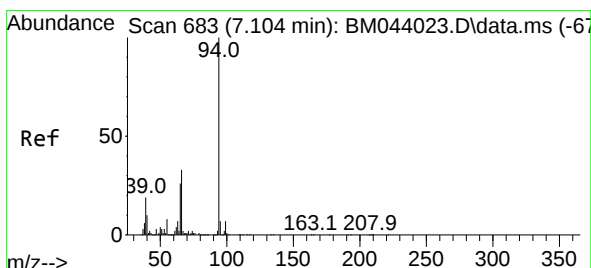
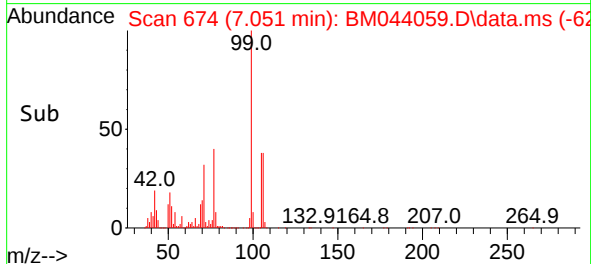
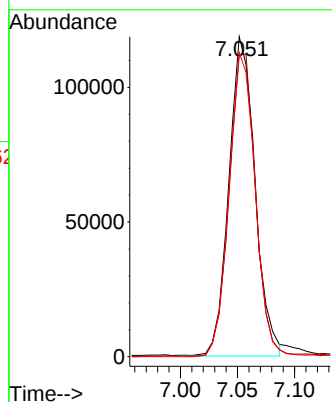
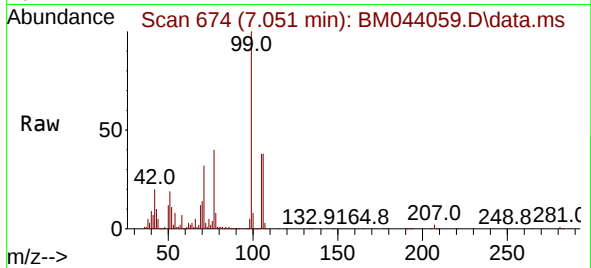
#9
Benzaldehyde
Concen: 8.433 ng m
RT: 7.051 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion: 77 Resp: 18927
Ion Ratio Lower Upper
77 100
105 94.2 80.0 120.0
106 95.1 76.8 116.8

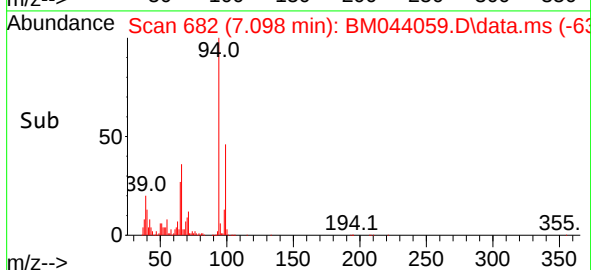
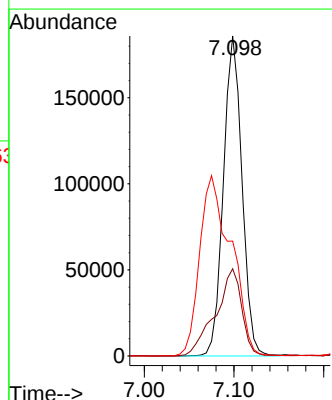
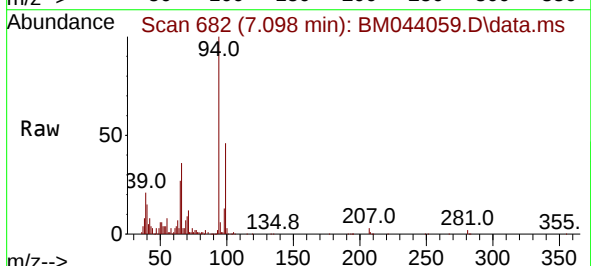
Manual Integrations
APPROVED

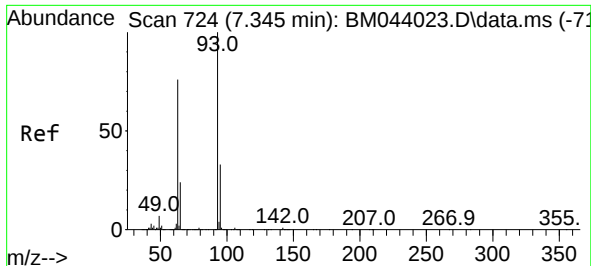
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#10
Phenol
Concen: 6.070 ng
RT: 7.098 min Scan# 682
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

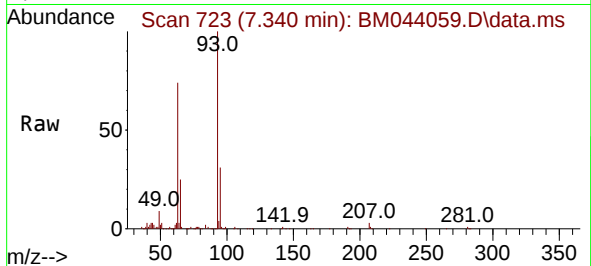
Tgt Ion: 94 Resp: 267573
Ion Ratio Lower Upper
94 100
65 27.3 6.4 46.4
66 35.9 13.2 53.2





#11
bis(2-Chloroethyl)ether
Concen: 6.042 ng
RT: 7.340 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

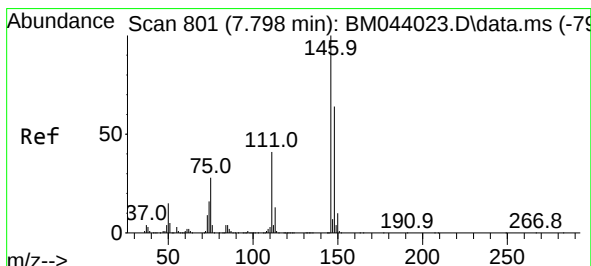
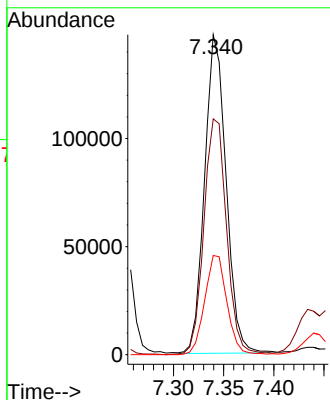
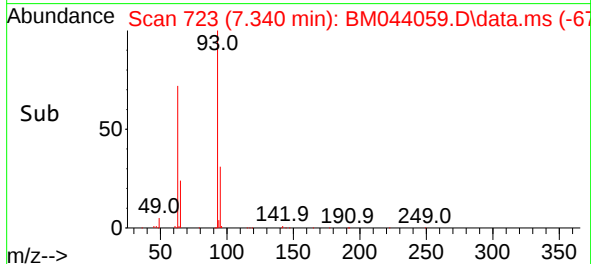
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 93 Resp: 22056
Ion Ratio Lower Upper
93 100
63 73.7 55.9 95.9
95 31.0 13.0 53.0

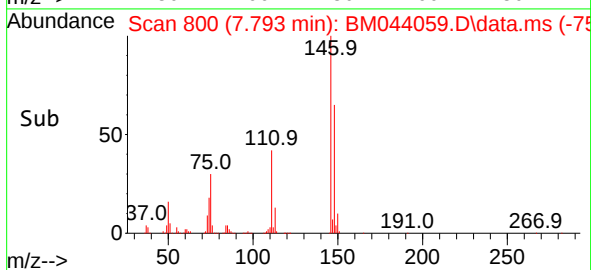
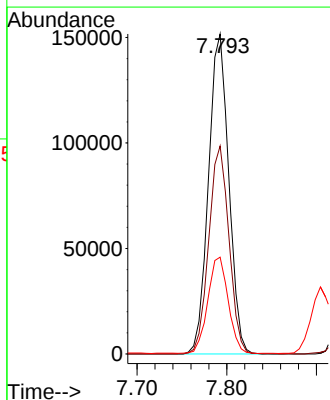
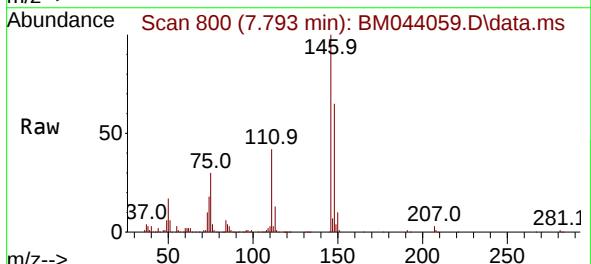
Manual Integrations
APPROVED

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



#12
1,3-Dichlorobenzene
Concen: 5.839 ng
RT: 7.793 min Scan# 800
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

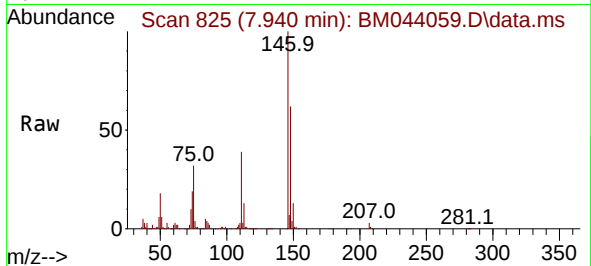
Tgt Ion:146 Resp: 237639
Ion Ratio Lower Upper
146 100
148 65.0 51.3 76.9
75 30.2 22.7 34.1





#13
1,4-Dichlorobenzene
Concen: 5.921 ng
RT: 7.940 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

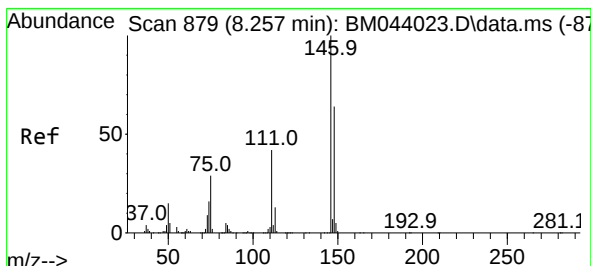
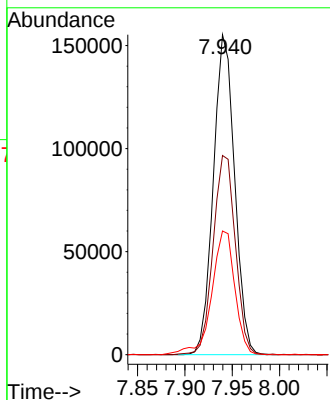
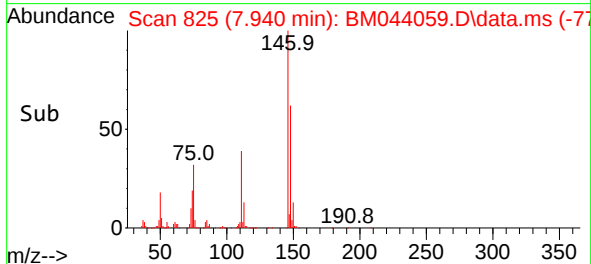
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:146 Resp: 242894
Ion Ratio Lower Upper
146 100
148 62.3 51.2 76.8
111 38.6 31.2 46.8

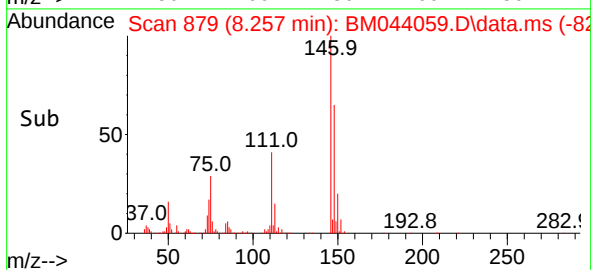
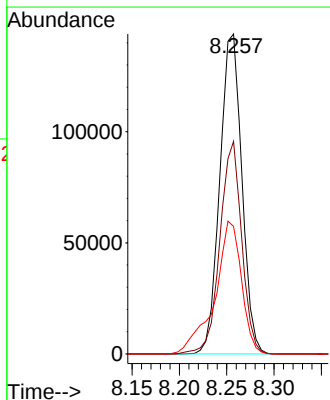
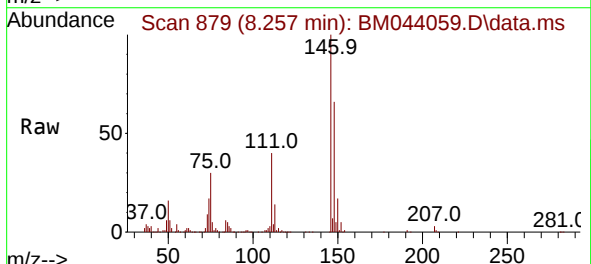
Manual Integrations
APPROVED

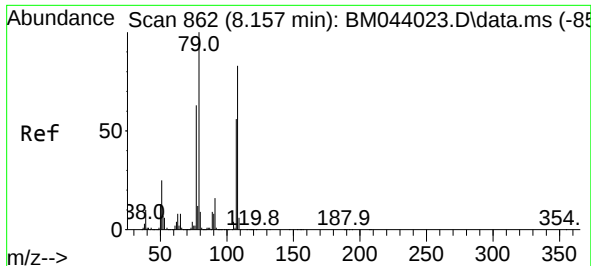
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#14
1,2-Dichlorobenzene
Concen: 5.957 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.000 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

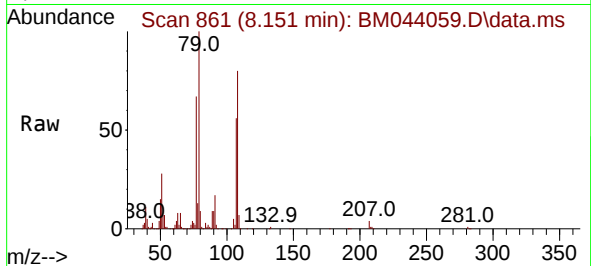
Tgt Ion:146 Resp: 232874
Ion Ratio Lower Upper
146 100
148 66.4 51.4 77.2
111 39.9 33.7 50.5





#15
Benzyl Alcohol
Concen: 6.035 ng
RT: 8.151 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

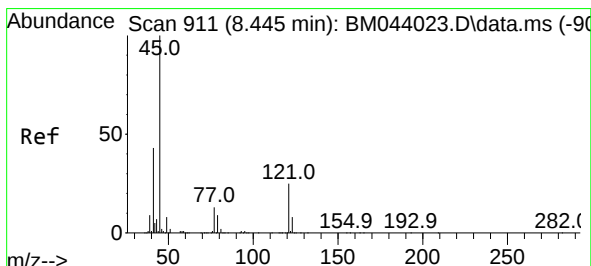
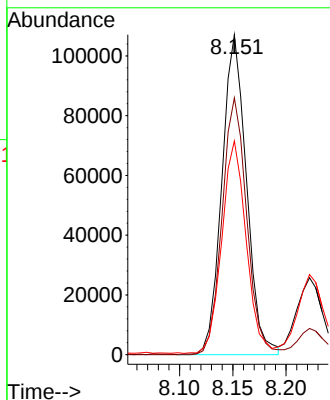
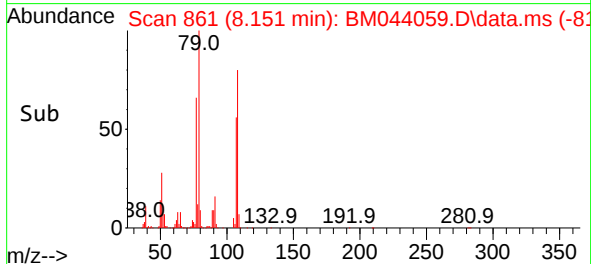
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



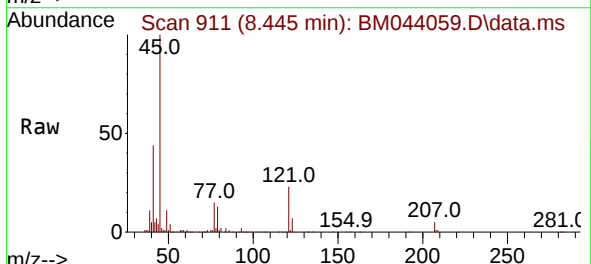
Tgt Ion: 79 Resp: 171614
Ion Ratio Lower Upper
79 100
108 80.3 66.0 99.0
77 66.8 50.4 75.6

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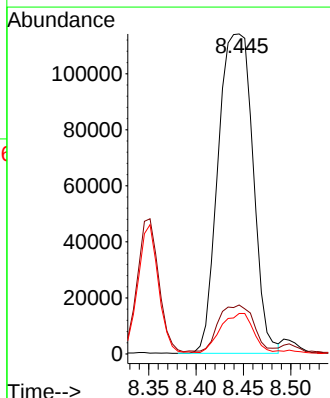
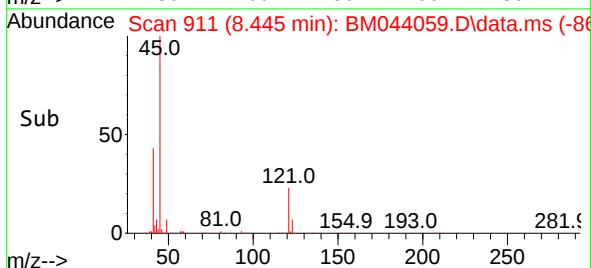
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

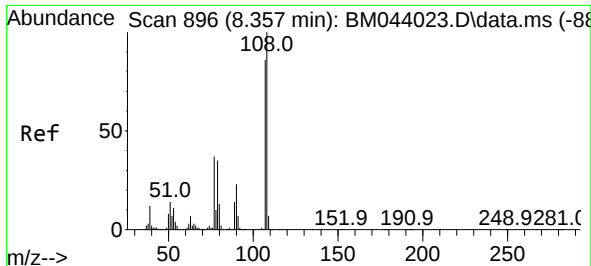


#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.289 ng
RT: 8.445 min Scan# 911
Delta R.T. 0.000 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30



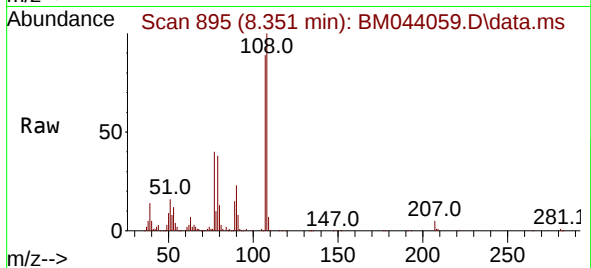
Tgt Ion: 45 Resp: 290991
Ion Ratio Lower Upper
45 100
77 15.3 0.0 35.1
79 12.6 0.0 31.5





#17
2-Methylphenol
Concen: 5.725 ng
RT: 8.351 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

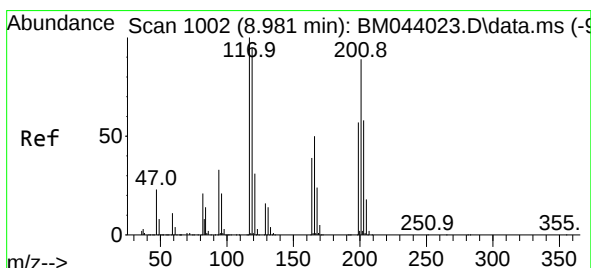
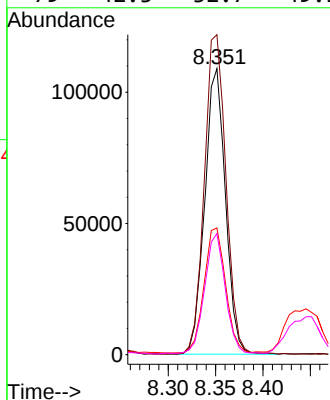
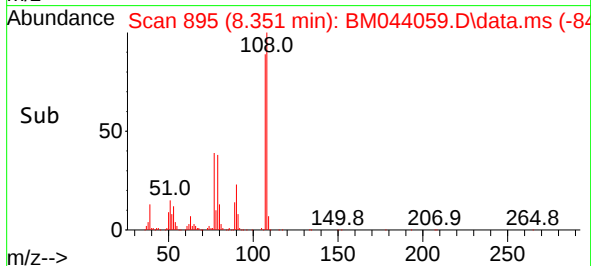
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:	107	Resp:	16564
Ion Ratio	Lower	Upper	
107	100		
108	111.9	93.4	140.2
77	44.3	34.7	52.1
79	42.3	32.7	49.1

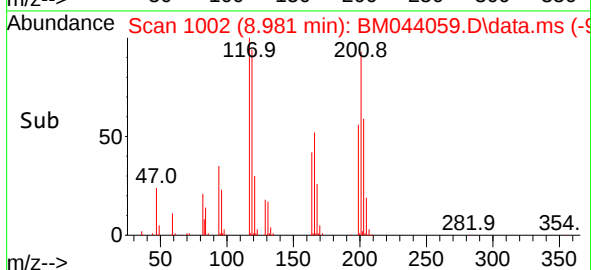
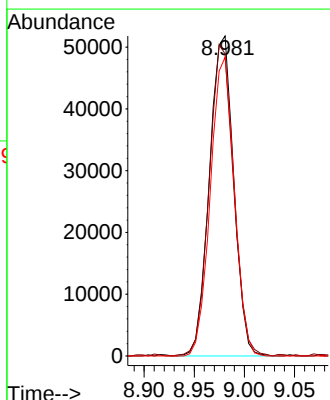
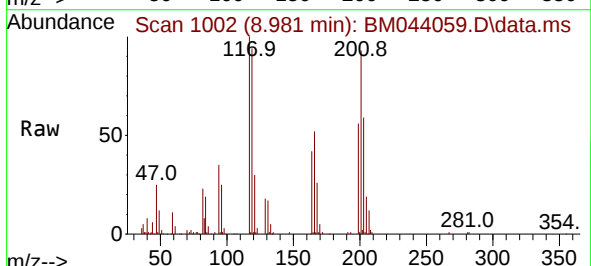
Manual Integrations
APPROVED

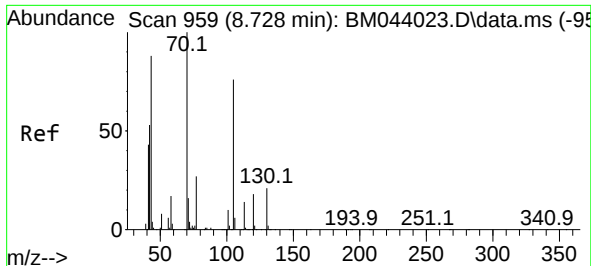
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#18
Hexachloroethane
Concen: 5.687 ng
RT: 8.981 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

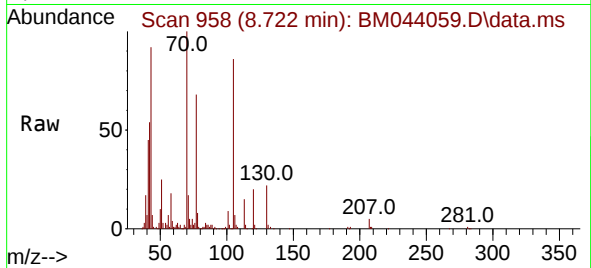
Tgt Ion:	117	Resp:	87358
Ion Ratio	Lower	Upper	
117	100		
119	94.4	75.7	113.5
201	93.3	71.5	107.3





#19
n-Nitroso-di-n-propylamine
Concen: 6.133 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

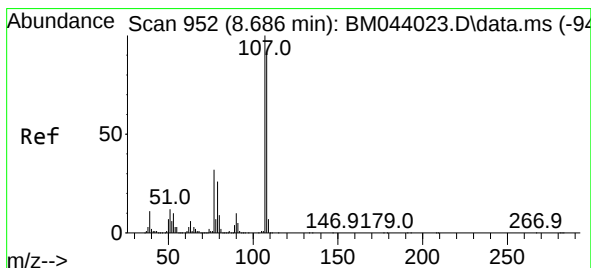
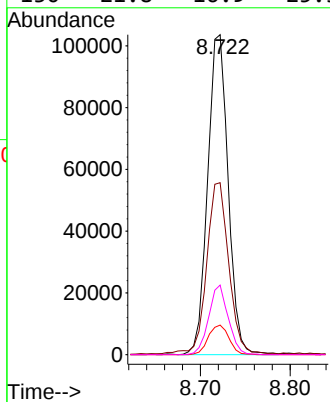
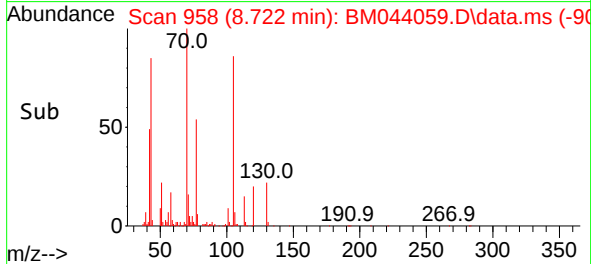
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 70 Resp: 164492
Ion Ratio Lower Upper
70 100
42 53.7 42.6 64.0
101 9.3 7.8 11.6
130 21.8 16.9 25.3

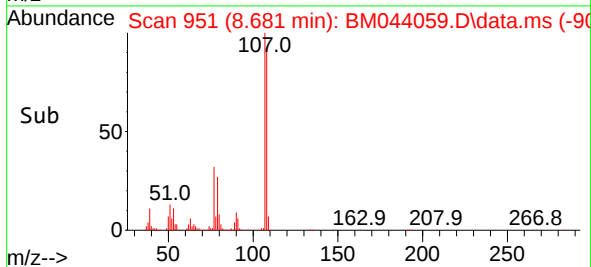
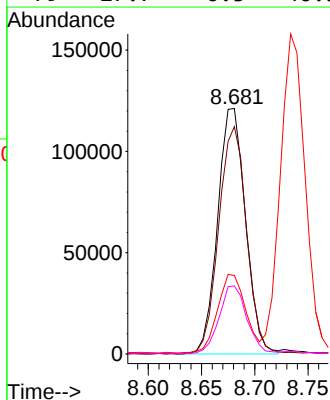
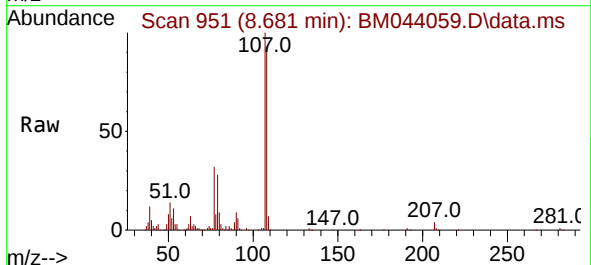
Manual Integrations
APPROVED

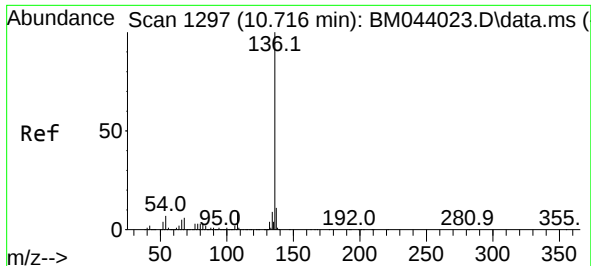
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#20
3+4-Methylphenols
Concen: 5.542 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

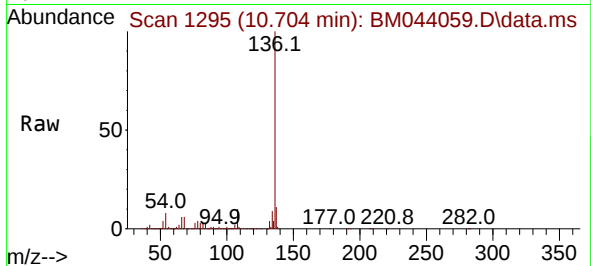
Tgt Ion:107 Resp: 220686
Ion Ratio Lower Upper
107 100
108 92.6 71.5 111.5
77 32.0 11.8 51.8
79 27.7 6.3 46.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

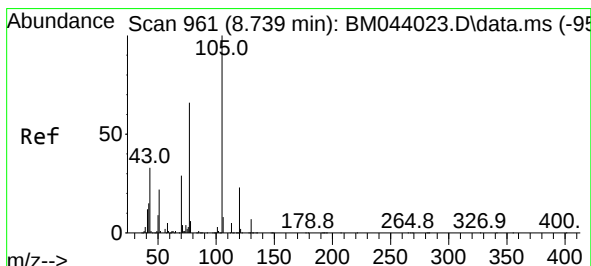
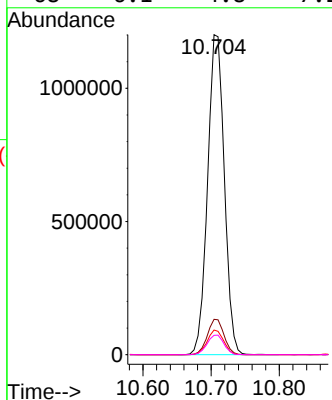
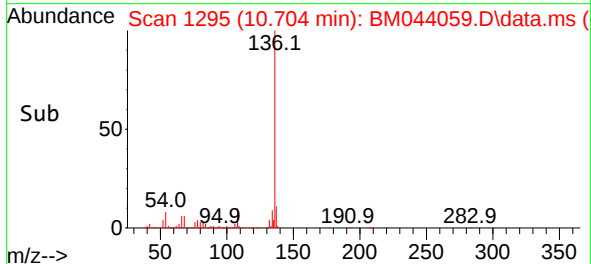
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:136 Resp: 205232
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.7 5.9 8.9
68 6.1 4.8 7.2

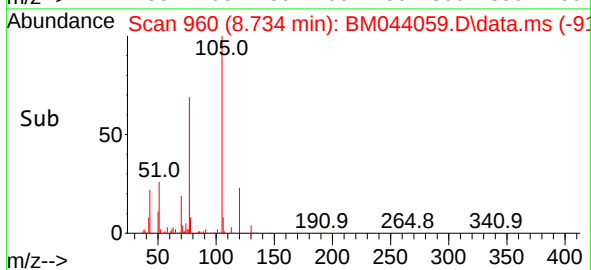
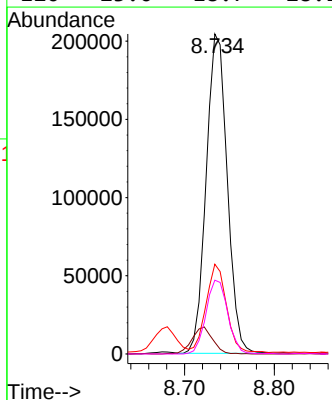
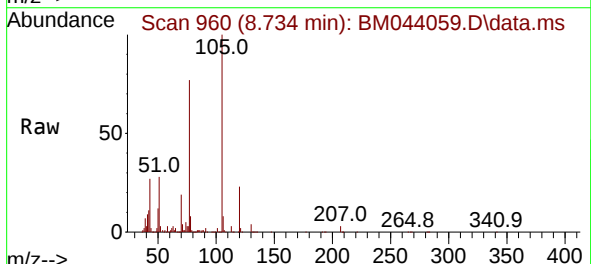
Manual Integrations
APPROVED

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



#22
Acetophenone
Concen: 6.380 ng
RT: 8.734 min Scan# 960
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

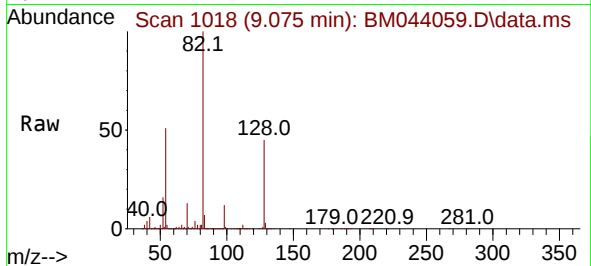
Tgt Ion:105 Resp: 332378
Ion Ratio Lower Upper
105 100
71 3.7 4.0 6.0#
51 28.0 20.1 30.1
120 23.0 18.7 28.1





#23
Nitrobenzene-d5
Concen: 62.296 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

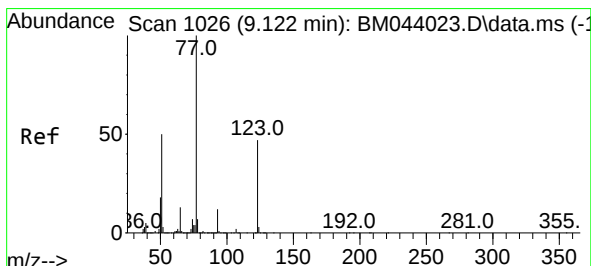
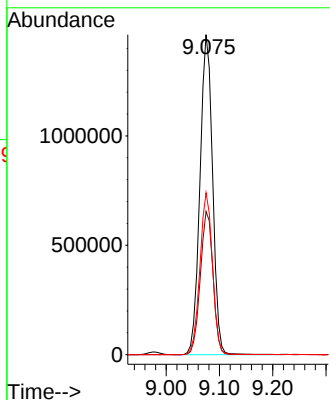
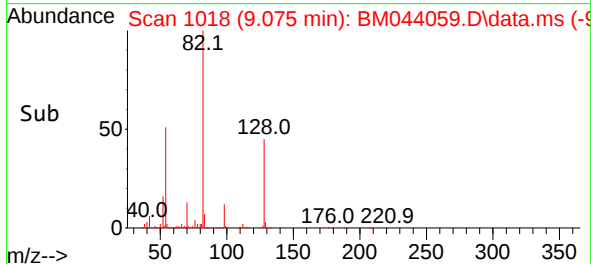
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 82 Resp: 2409400
Ion Ratio Lower Upper
82 100
128 44.7 37.1 55.7
54 50.6 38.9 58.3

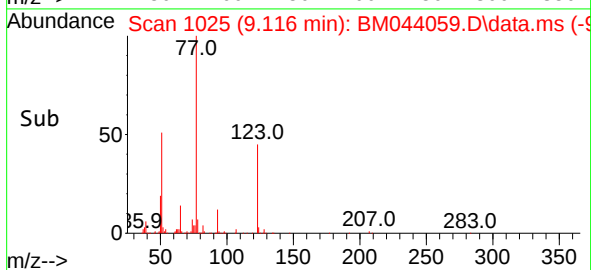
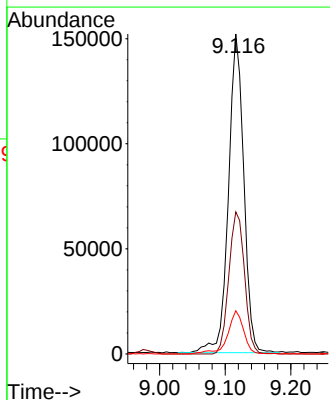
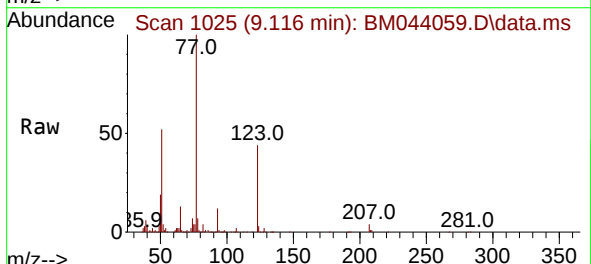
Manual Integrations
APPROVED

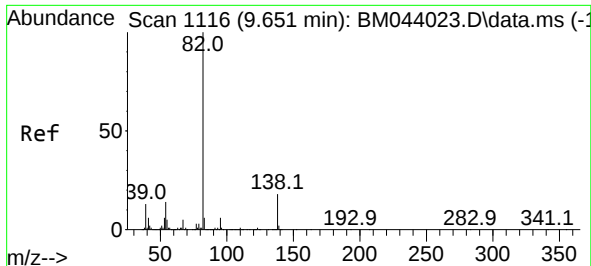
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#24
Nitrobenzene
Concen: 6.228 ng
RT: 9.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

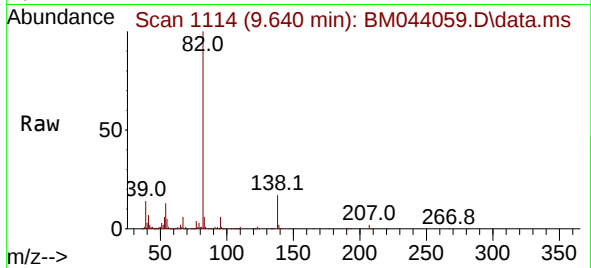
Tgt Ion: 77 Resp: 246659
Ion Ratio Lower Upper
77 100
123 44.4 37.8 56.8
65 13.5 10.5 15.7





#25
Isophorone
Concen: 5.827 ng
RT: 9.640 min Scan# 1114
Delta R.T. -0.012 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

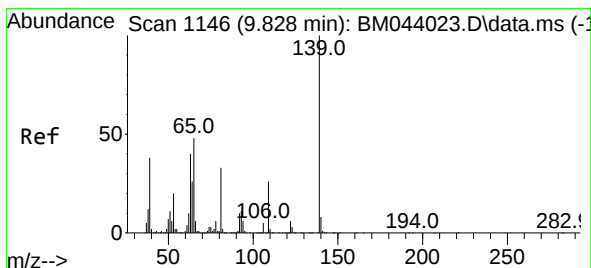
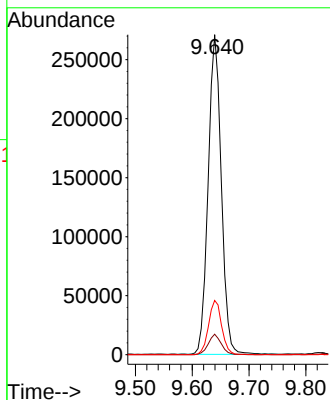
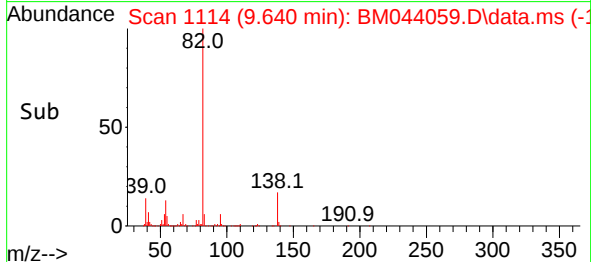
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 82 Resp: 43393
Ion Ratio Lower Upper
82 100
95 6.4 5.2 7.8
138 17.0 14.3 21.5

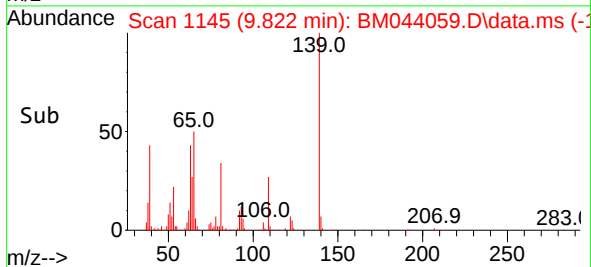
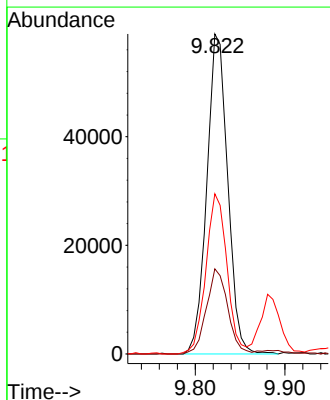
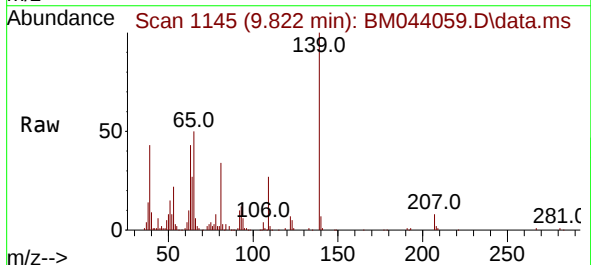
Manual Integrations
APPROVED

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



#26
2-Nitrophenol
Concen: 5.194 ng
RT: 9.822 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

Tgt Ion:139 Resp: 95368
Ion Ratio Lower Upper
139 100
109 26.6 21.2 31.8
65 50.1 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 6.770 ng

RT: 9.887 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BM044059.D

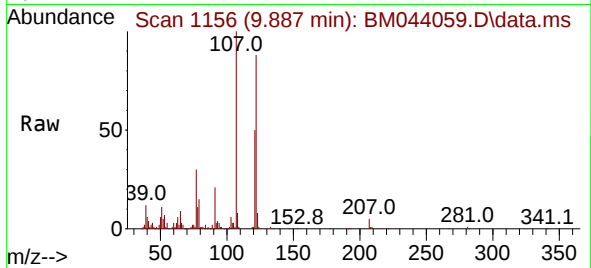
Acq: 12 Feb 2024 16:30

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023



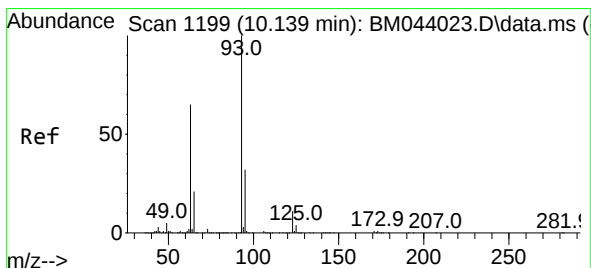
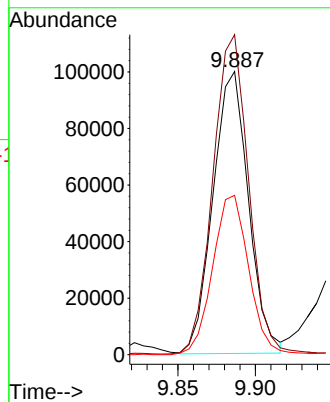
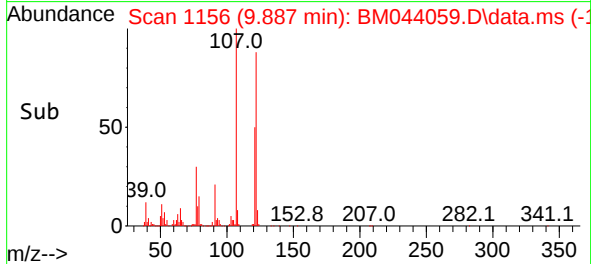
Tgt Ion:	122	Resp:	158950
Ion	Ratio	Lower	Upper
122	100		
107	113.0	87.8	131.8
121	56.3	44.7	67.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#28

bis(2-Chloroethoxy)methane

Concen: 6.037 ng

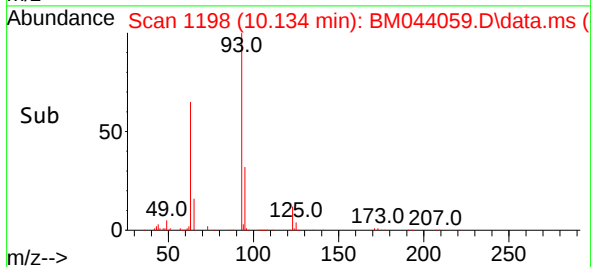
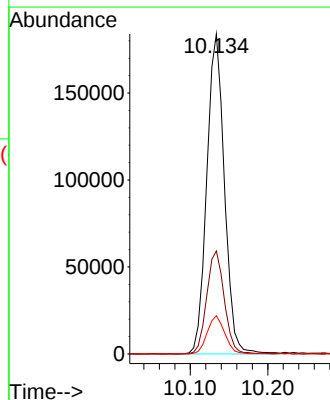
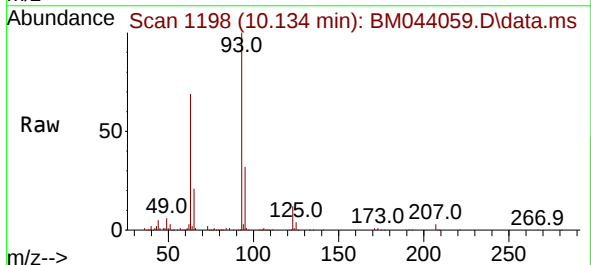
RT: 10.134 min Scan# 1198

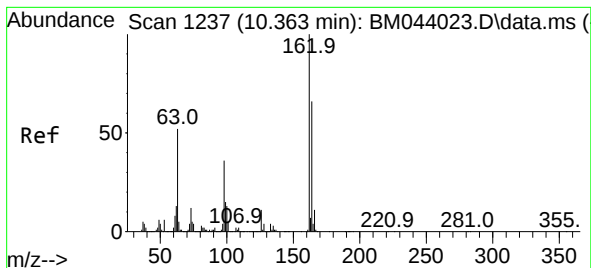
Delta R.T. -0.006 min

Lab File: BM044059.D

Acq: 12 Feb 2024 16:30

Tgt Ion:	93	Resp:	290770
Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.0	39.0
123	11.9	9.2	13.8





#29

2,4-Dichlorophenol

Concen: 5.556 ng

RT: 10.351 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM044059.D

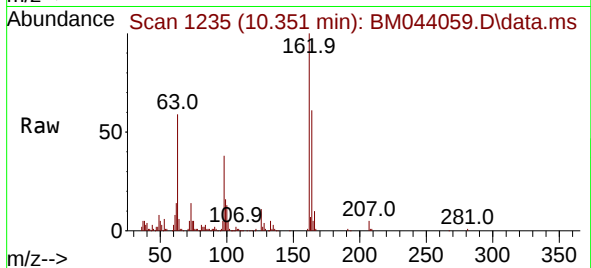
Acq: 12 Feb 2024 16:30

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023



Tgt Ion:162 Resp: 171744

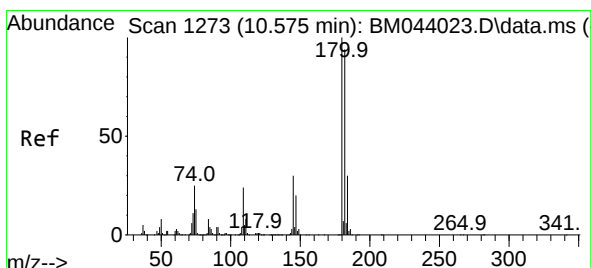
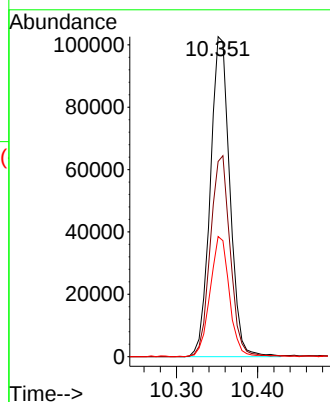
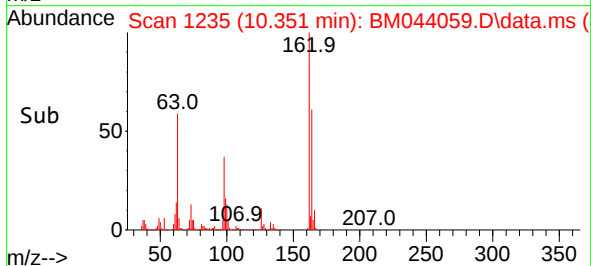
Ion	Ratio	Lower	Upper
162	100		
164	61.0	46.1	86.1
98	37.5	15.9	55.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#30

1,2,4-Trichlorobenzene

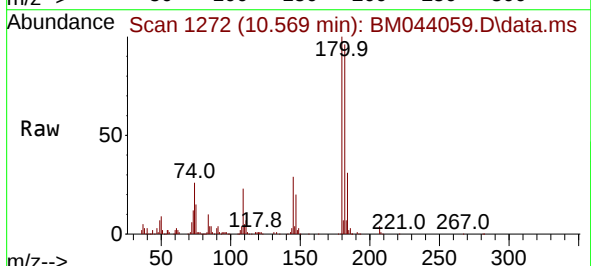
Concen: 5.936 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.006 min

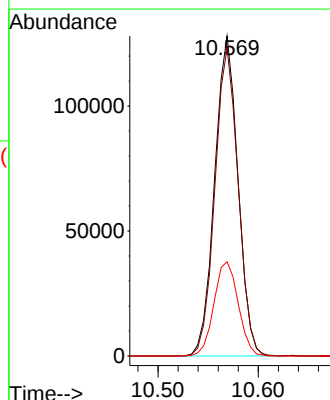
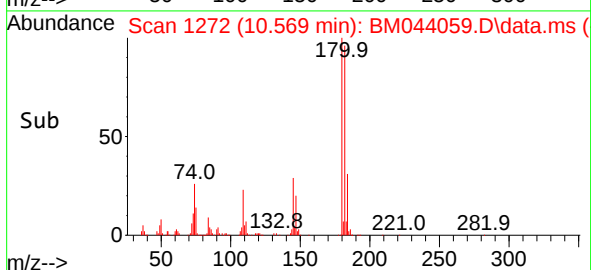
Lab File: BM044059.D

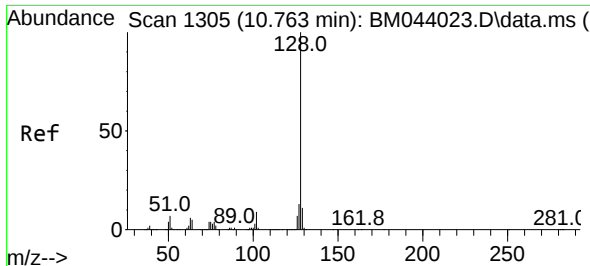
Acq: 12 Feb 2024 16:30



Tgt Ion:180 Resp: 206339

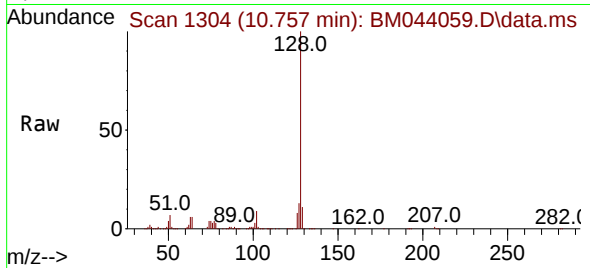
Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.2	112.8
145	29.4	24.3	36.5





#31
Naphthalene
Concen: 6.017 ng
RT: 10.757 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

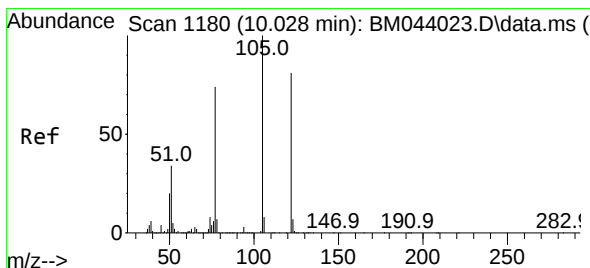
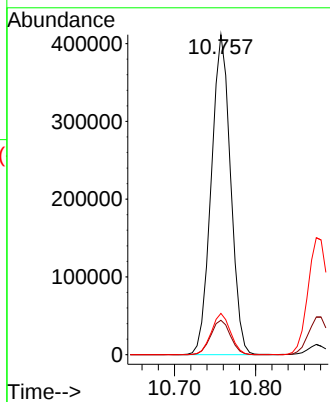
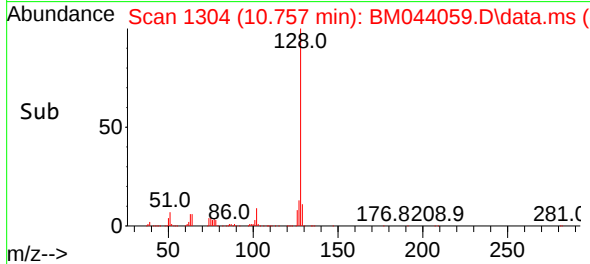
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:128 Resp: 68151
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 12.9 10.3 15.5

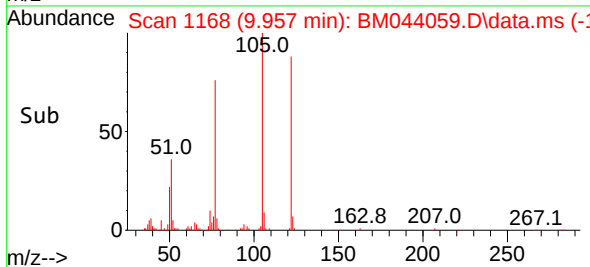
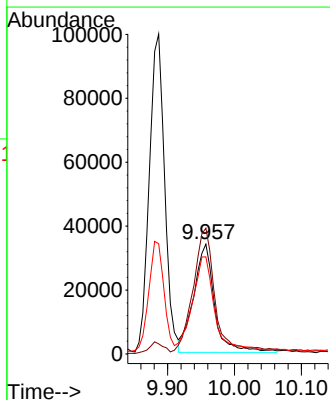
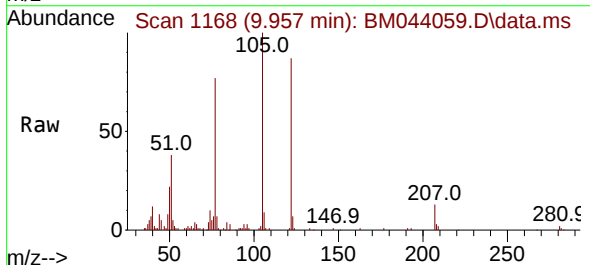
Manual Integrations
APPROVED

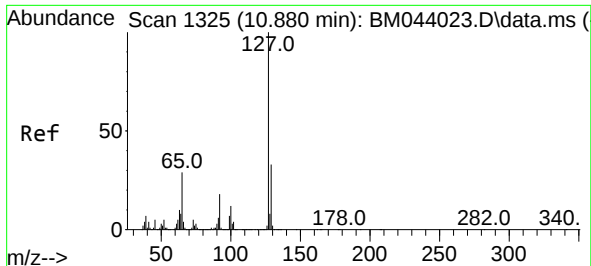
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#32
Benzoic acid
Concen: 3.126 ng m
RT: 9.957 min Scan# 1168
Delta R.T. -0.071 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

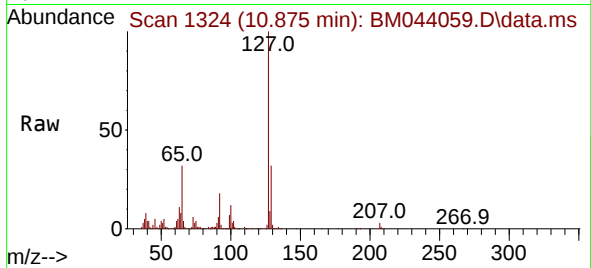
Tgt Ion:122 Resp: 73947
Ion Ratio Lower Upper
122 100
105 114.5 100.1 140.1
77 88.5 69.6 109.6





#33
4-Chloroaniline
Concen: 6.253 ng
RT: 10.875 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

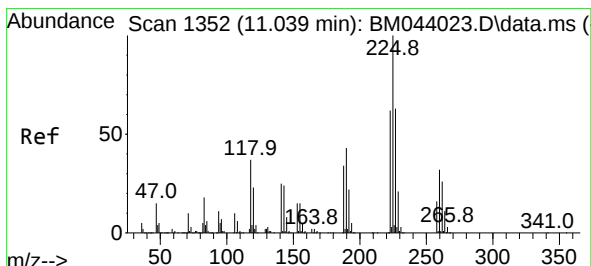
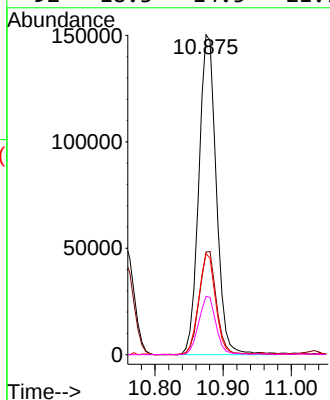
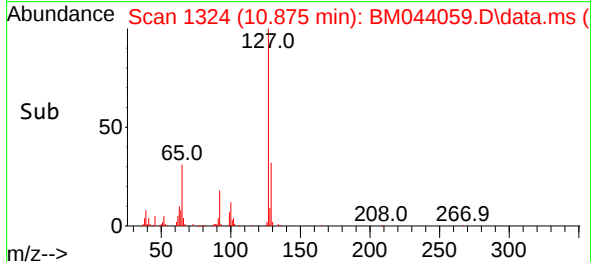
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:127 Resp: 268200
Ion Ratio Lower Upper
127 100
129 32.1 26.0 39.0
65 31.6 23.0 34.6
92 18.3 14.5 21.7

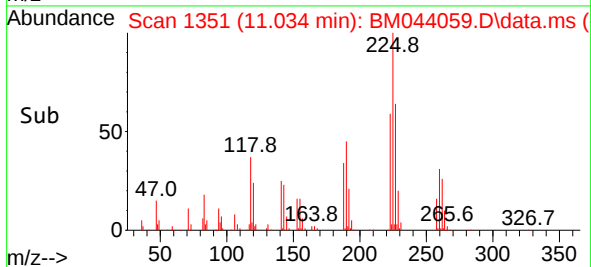
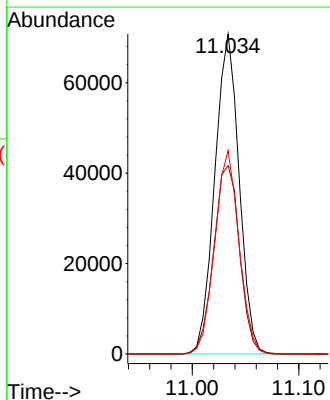
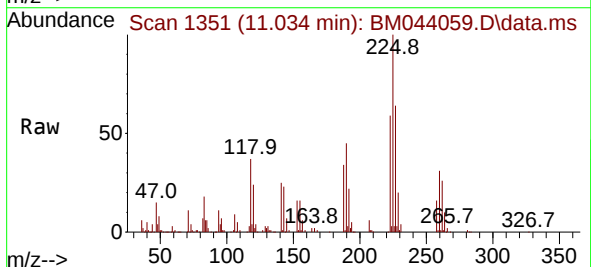
Manual Integrations
APPROVED

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



#34
Hexachlorobutadiene
Concen: 5.636 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

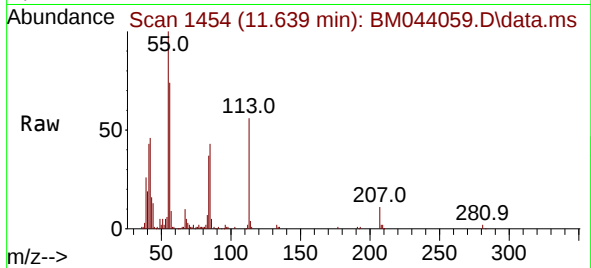
Tgt Ion:225 Resp: 112143
Ion Ratio Lower Upper
225 100
223 58.8 49.9 74.9
227 63.5 50.6 76.0





#35
Caprolactam
Concen: 4.943 ng
RT: 11.639 min Scan# 1460
Delta R.T. -0.035 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

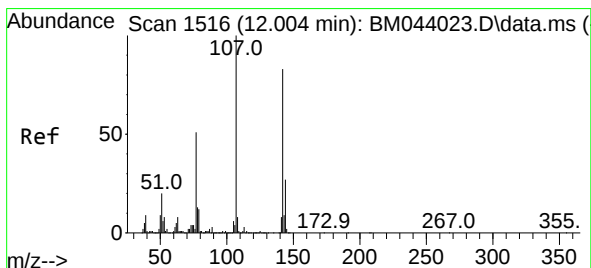
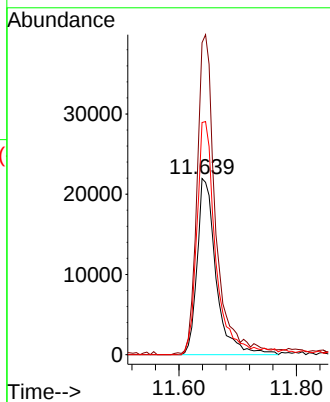
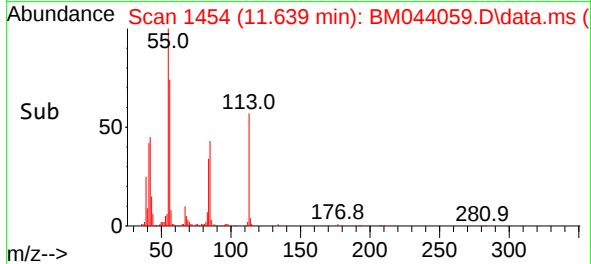
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:113 Resp: 49172
Ion Ratio Lower Upper
113 100
55 177.2 145.6 185.6
56 131.8 103.3 143.3

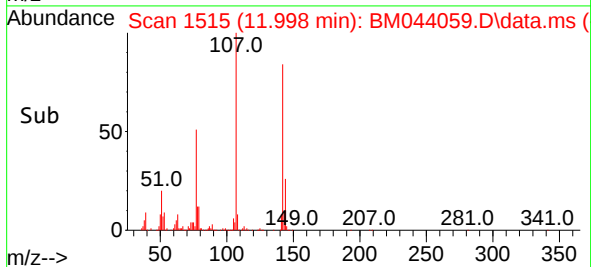
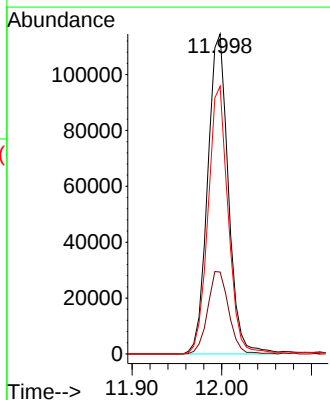
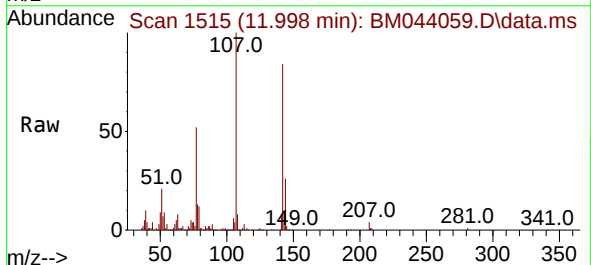
Manual Integrations
APPROVED

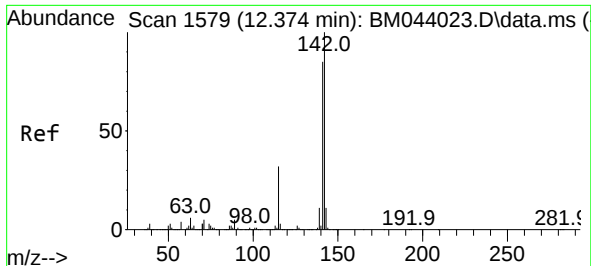
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#36
4-Chloro-3-methylphenol
Concen: 5.473 ng
RT: 11.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

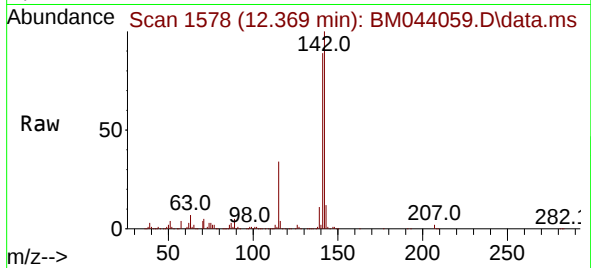
Tgt Ion:107 Resp: 183216
Ion Ratio Lower Upper
107 100
144 25.6 21.3 31.9
142 83.6 66.2 99.4





#37
2-Methylnaphthalene
Concen: 5.841 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

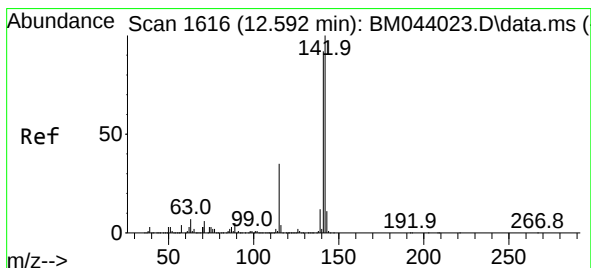
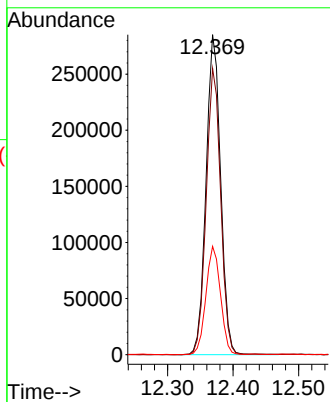
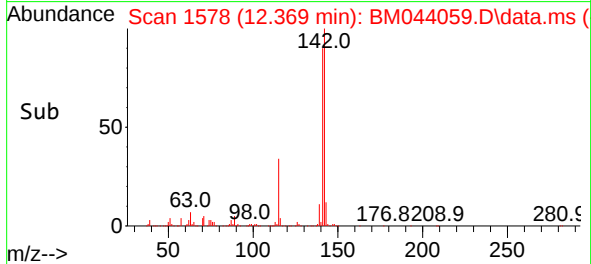
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT4-2023



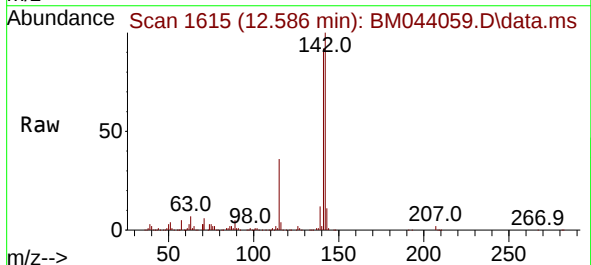
Tgt Ion:142 Resp: 440695
Ion Ratio Lower Upper
142 100
141 89.5 68.3 102.5
115 33.8 25.7 38.5

Manual Integrations
APPROVED

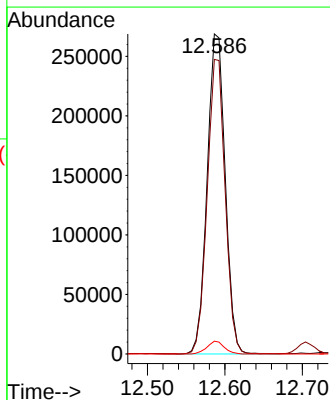
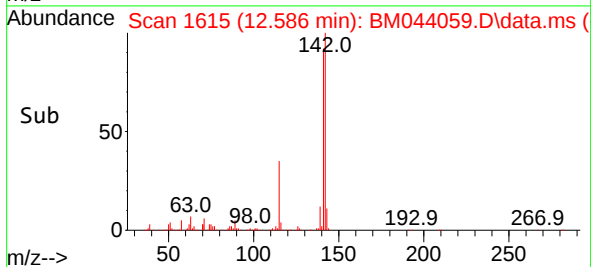
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

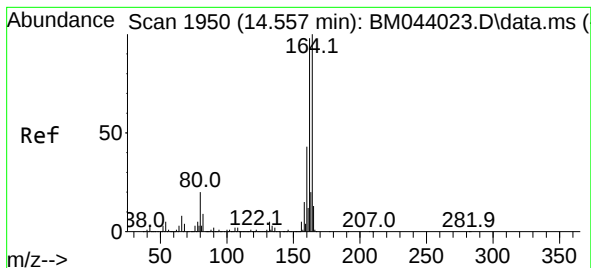


#38
1-Methylnaphthalene
Concen: 5.870 ng
RT: 12.586 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30



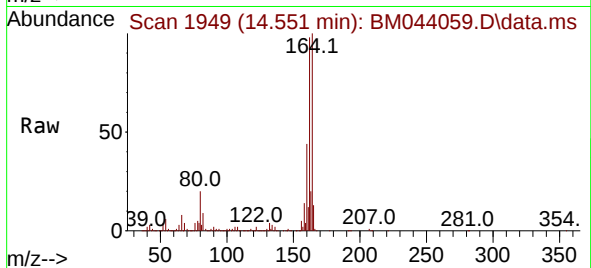
Tgt Ion:142 Resp: 435235
Ion Ratio Lower Upper
142 100
141 92.1 73.4 110.0
116 4.0 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.551 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

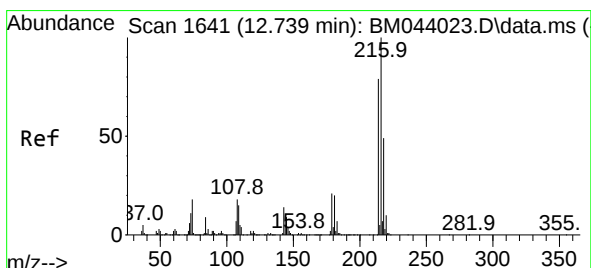
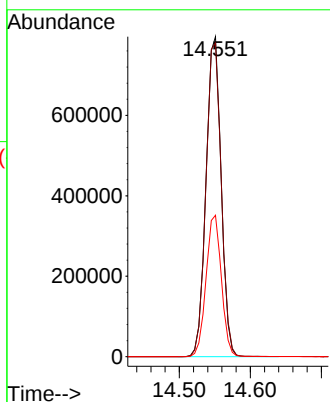
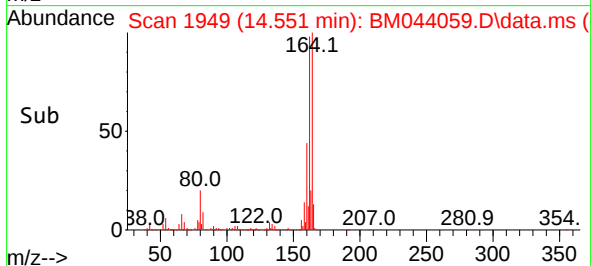
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:164 Resp: 117627
Ion Ratio Lower Upper
164 100
162 98.0 78.4 117.6
160 44.2 34.6 51.8

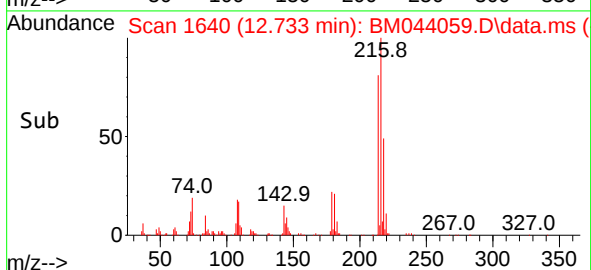
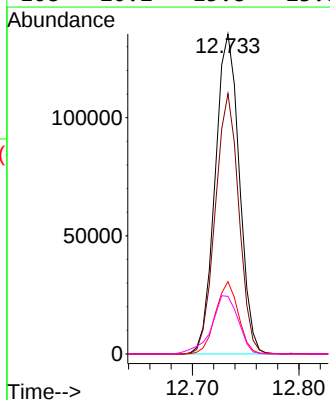
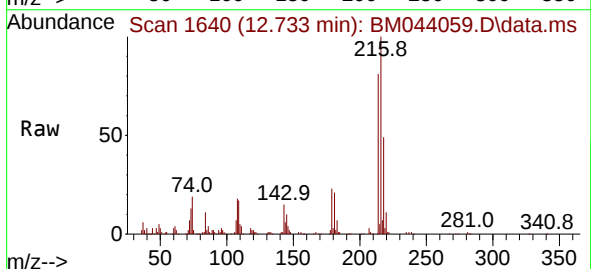
Manual Integrations
APPROVED

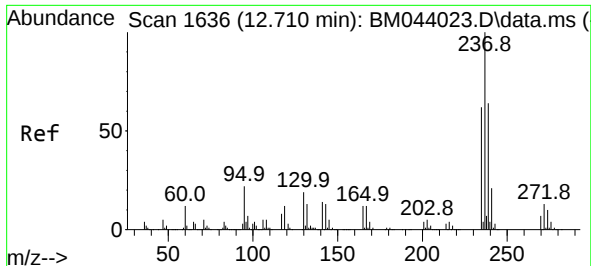
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.240 ng
RT: 12.733 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

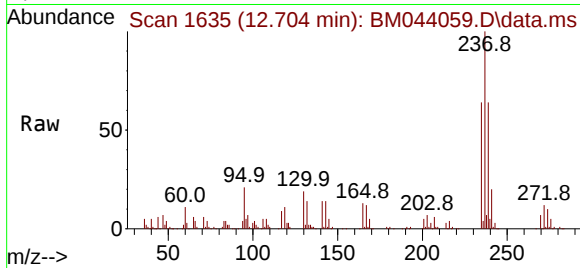
Tgt Ion:216 Resp: 213343
Ion Ratio Lower Upper
216 100
214 79.2 63.1 94.7
179 21.4 17.0 25.6
108 20.2 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 6.900 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

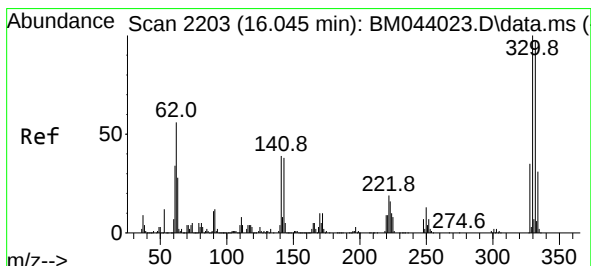
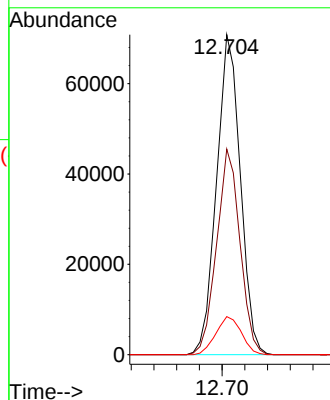
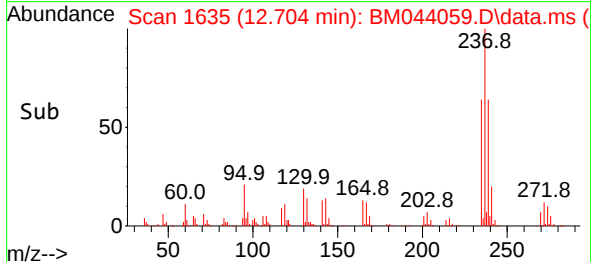
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:237 Resp: 10296
Ion Ratio Lower Upper
237 100
235 64.3 42.4 82.4
272 11.9 0.0 33.3

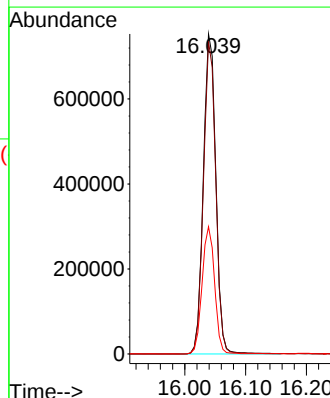
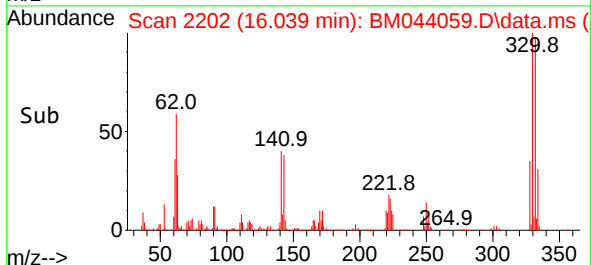
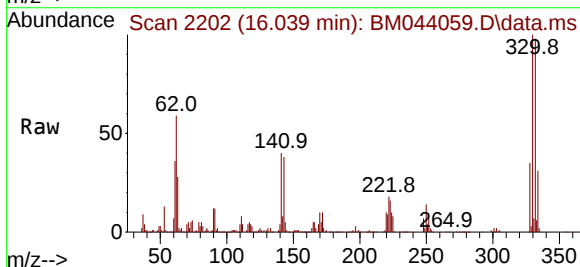
Manual Integrations
APPROVED

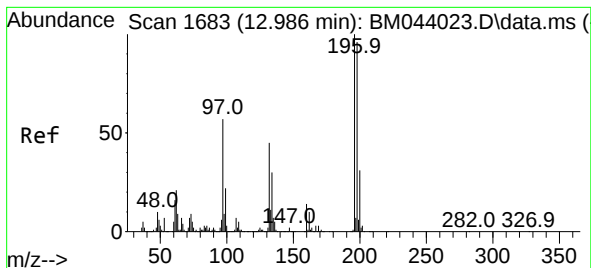
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#42
2,4,6-Tribromophenol
Concen: 84.186 ng
RT: 16.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

Tgt Ion:330 Resp: 1072186
Ion Ratio Lower Upper
330 100
332 96.2 77.7 116.5
141 39.7 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 5.354 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044059.D

Acq: 12 Feb 2024 16:30

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

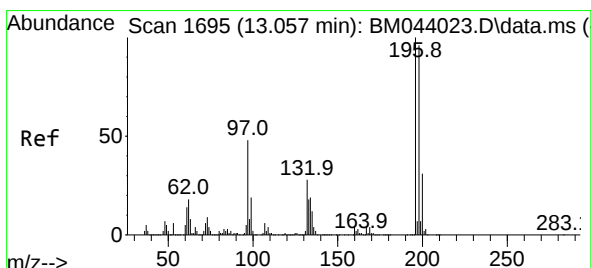
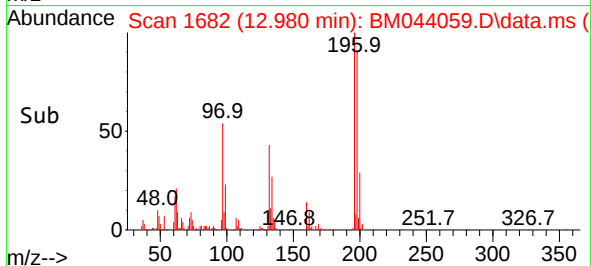
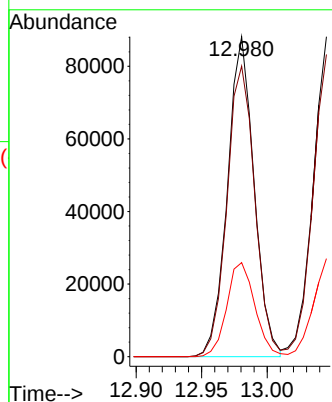
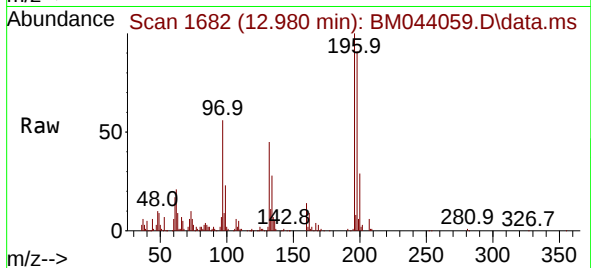
Tgt Ion:196 Resp: 12457
 Ion Ratio Lower Upper
 196 100
 198 90.8 76.8 115.2
 200 29.4 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#44

2,4,5-Trichlorophenol

Concen: 5.406 ng

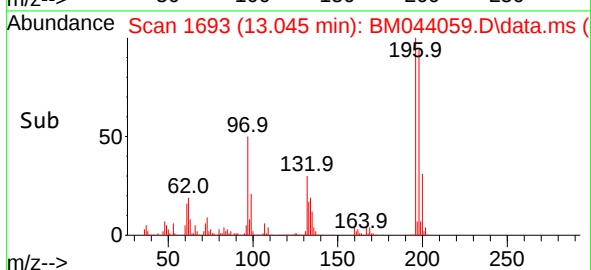
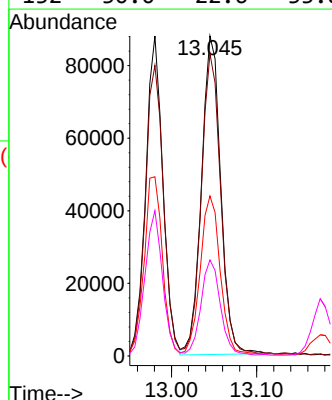
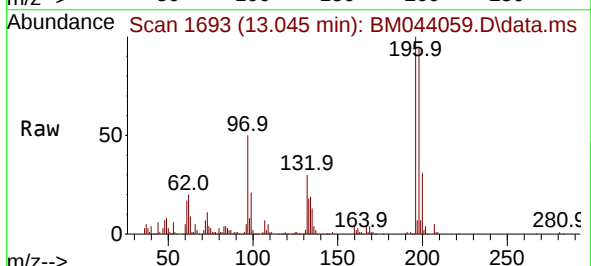
RT: 13.045 min Scan# 1693

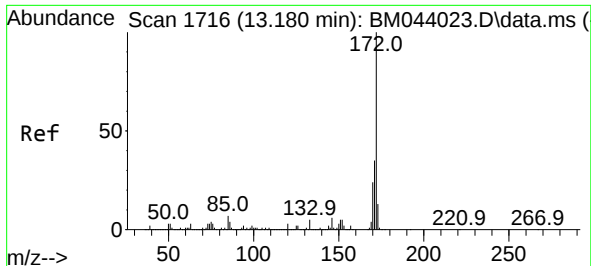
Delta R.T. -0.012 min

Lab File: BM044059.D

Acq: 12 Feb 2024 16:30

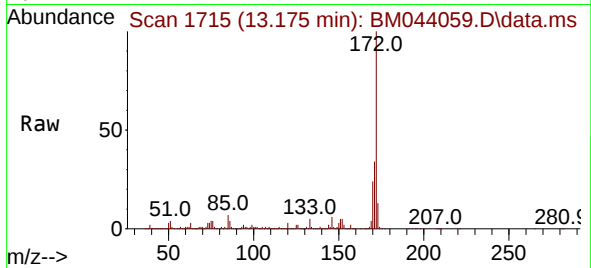
Tgt Ion:196 Resp: 138035
 Ion Ratio Lower Upper
 196 100
 198 94.5 76.9 115.3
 97 50.0 39.0 58.4
 132 30.0 22.6 33.8





#45
2-Fluorobiphenyl
Concen: 61.249 ng
RT: 13.175 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

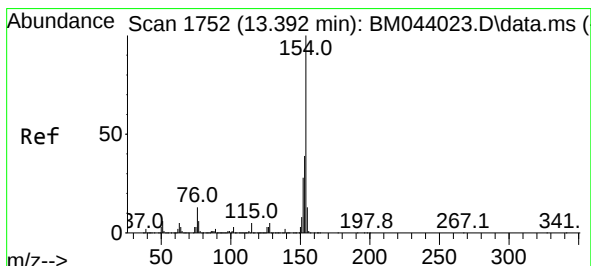
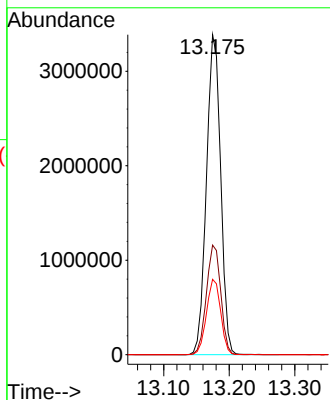
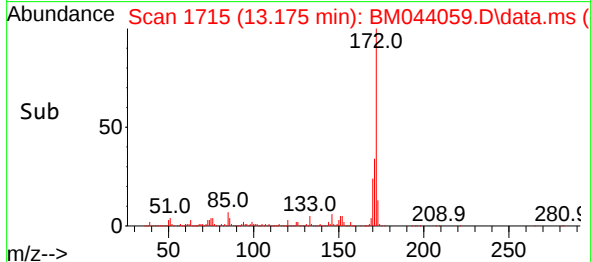
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



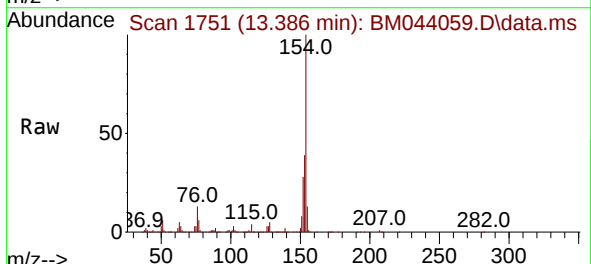
Tgt Ion:172 Resp: 5104839
Ion Ratio Lower Upper
172 100
171 34.3 27.9 41.9
170 23.5 19.0 28.4

Manual Integrations
APPROVED

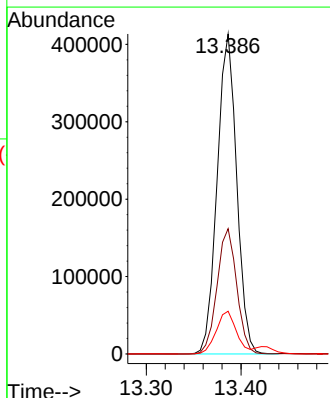
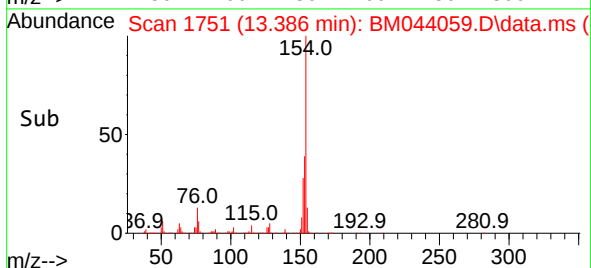
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

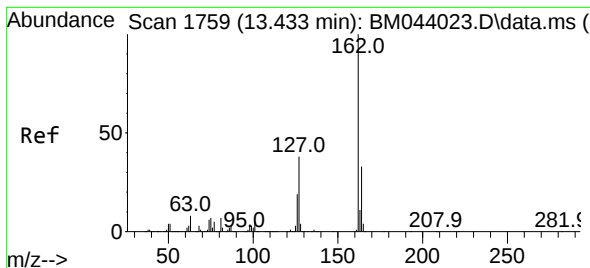


#46
1,1'-Biphenyl
Concen: 6.383 ng
RT: 13.386 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30



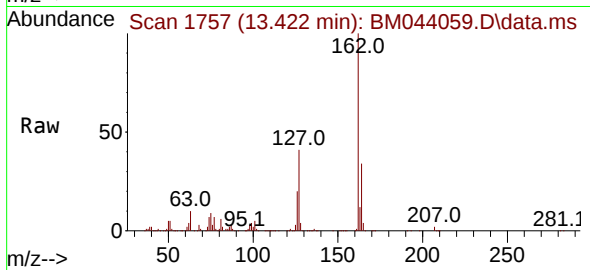
Tgt Ion:154 Resp: 592426
Ion Ratio Lower Upper
154 100
153 39.2 19.4 59.4
76 13.4 0.0 32.9





#47
2-Chloronaphthalene
Concen: 5.937 ng
RT: 13.422 min Scan# 1757
Delta R.T. -0.012 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

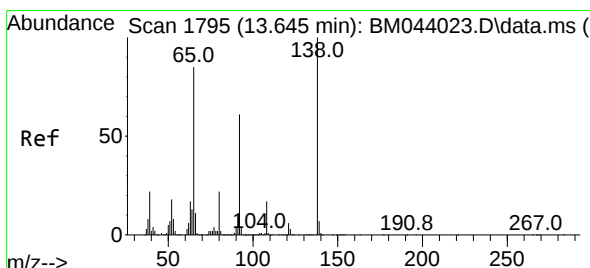
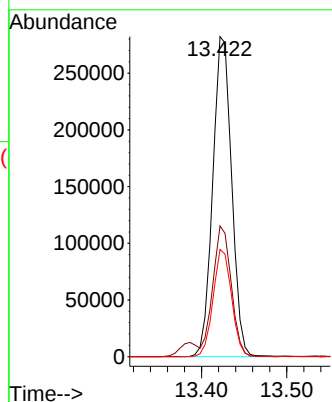
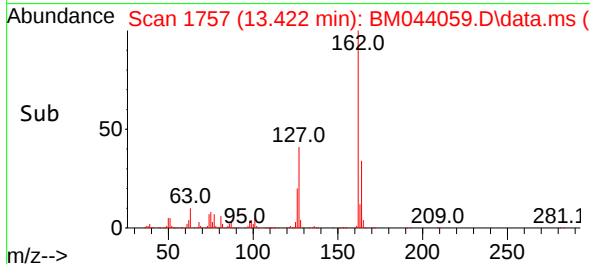
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT4-2023



Tgt Ion:162 Resp: 436544
Ion Ratio Lower Upper
162 100
127 40.9 30.9 46.3
164 33.5 26.4 39.6

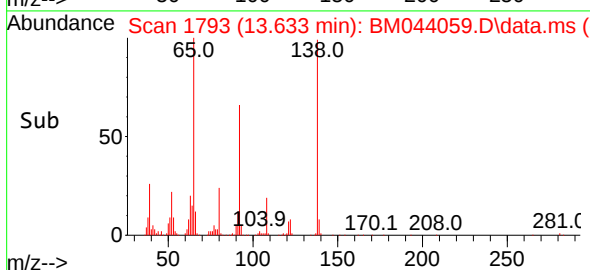
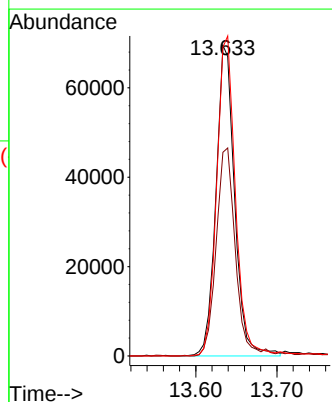
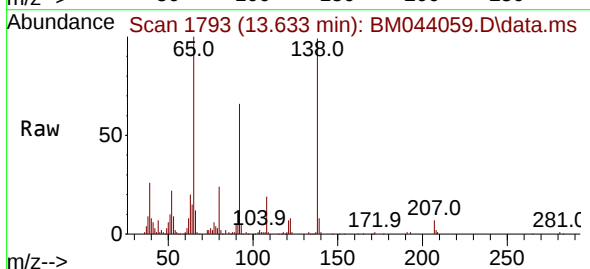
Manual Integrations
APPROVED

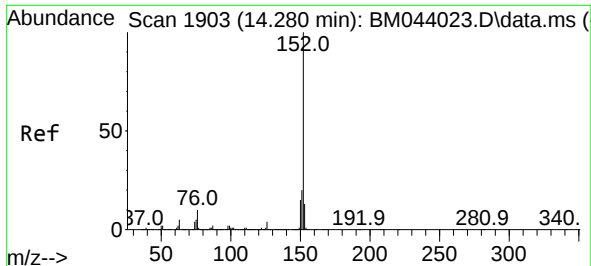
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#48
2-Nitroaniline
Concen: 5.379 ng
RT: 13.633 min Scan# 1793
Delta R.T. -0.012 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

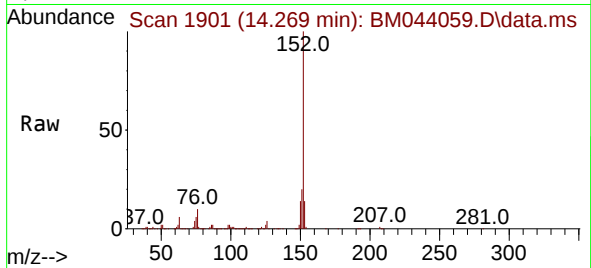
Tgt Ion: 65 Resp: 111270
Ion Ratio Lower Upper
65 100
92 65.5 58.1 87.1
138 99.3 94.6 142.0





#49
Acenaphthylene
Concen: 6.496 ng
RT: 14.269 min Scan# 1903
Delta R.T. -0.012 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

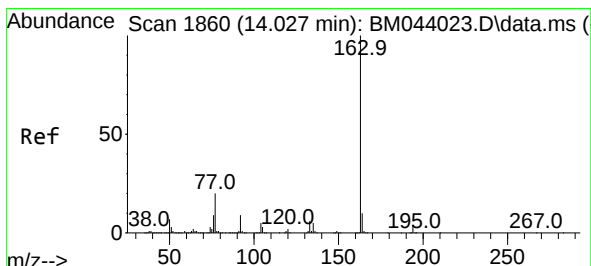
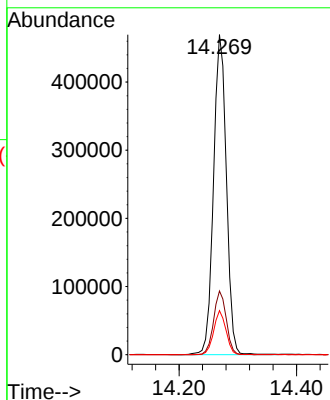
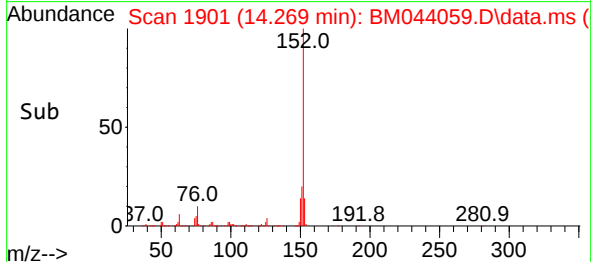
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



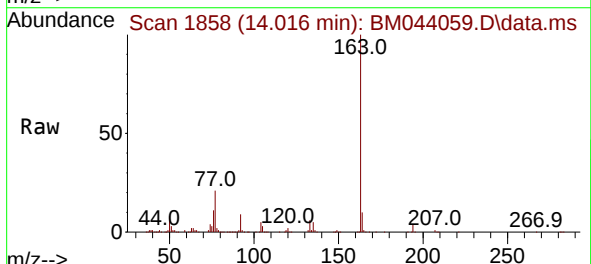
Tgt Ion:152 Resp: 712568
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.7 10.5 15.7

Manual Integrations
APPROVED

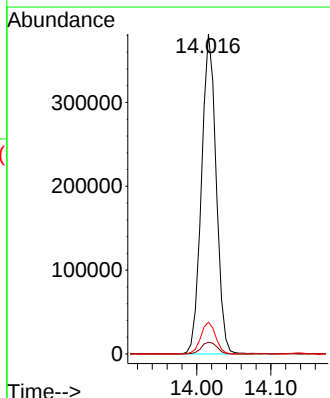
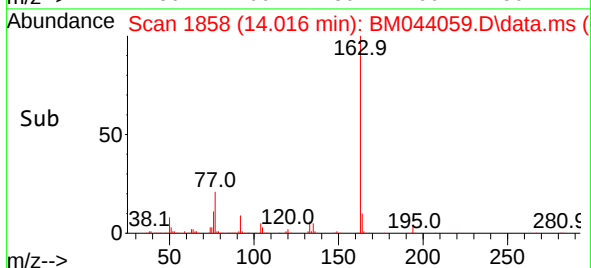
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

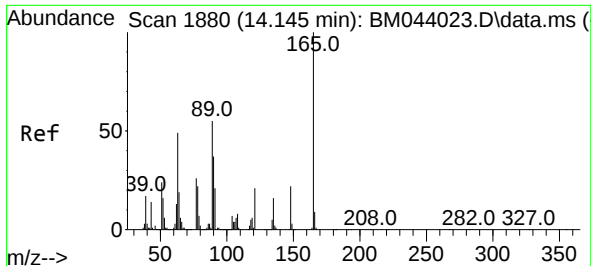


#50
Dimethylphthalate
Concen: 6.050 ng
RT: 14.016 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30



Tgt Ion:163 Resp: 527618
Ion Ratio Lower Upper
163 100
194 3.6 3.1 4.7
164 9.9 8.2 12.2





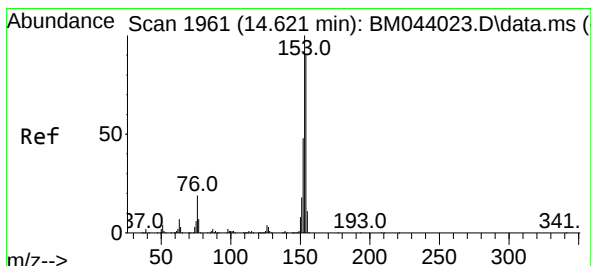
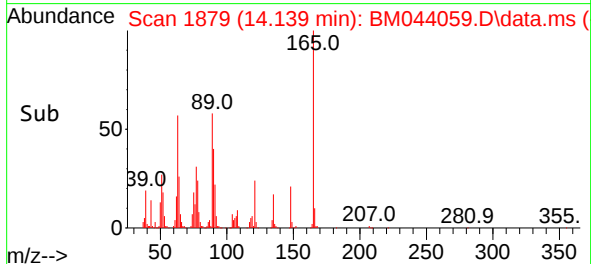
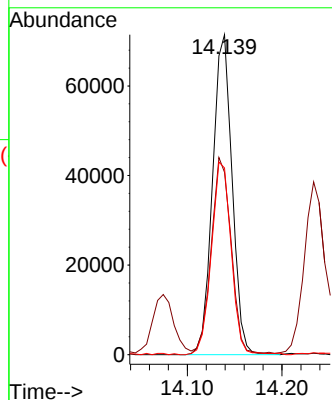
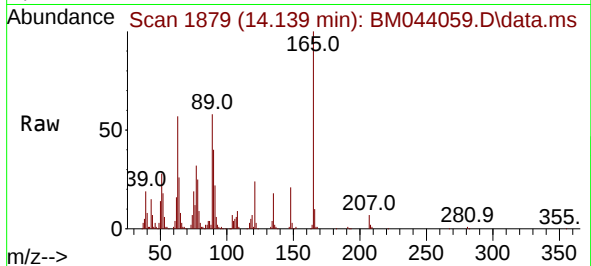
#51
2,6-Dinitrotoluene
Concen: 5.306 ng
RT: 14.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

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

Tgt Ion:165 Resp: 10209
Ion Ratio Lower Upper
165 100
63 57.0 43.5 65.3
89 58.4 44.4 66.6

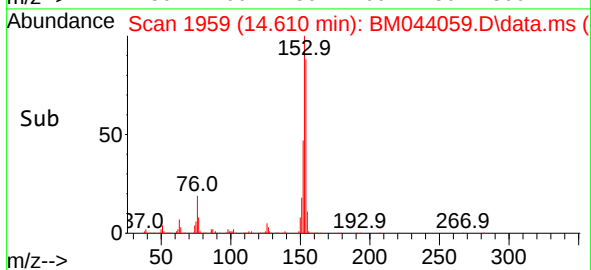
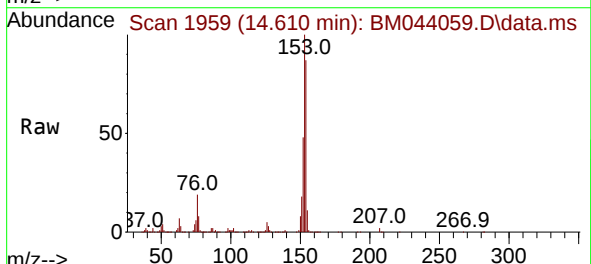
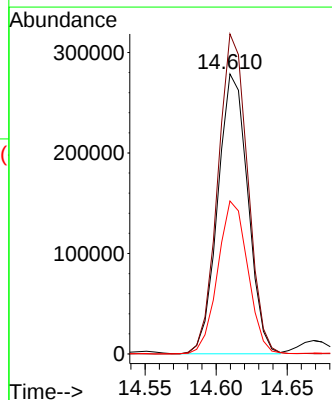
Manual Integrations
APPROVED

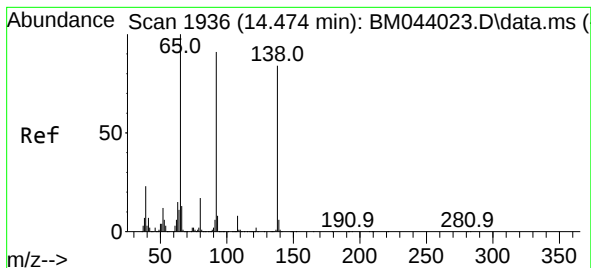
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#52
Acenaphthene
Concen: 6.032 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

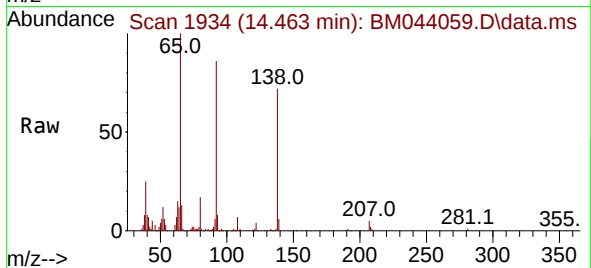
Tgt Ion:154 Resp: 409478
Ion Ratio Lower Upper
154 100
153 114.3 89.3 133.9
152 54.7 43.0 64.6





#53
3-Nitroaniline
Concen: 5.286 ng
RT: 14.463 min Scan# 1936
Delta R.T. -0.012 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

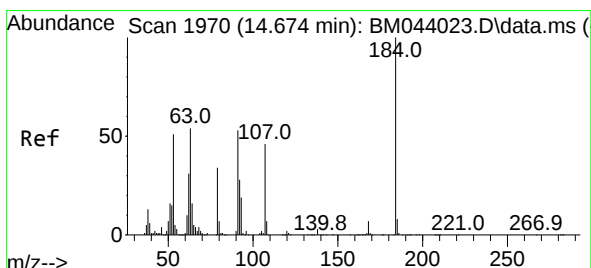
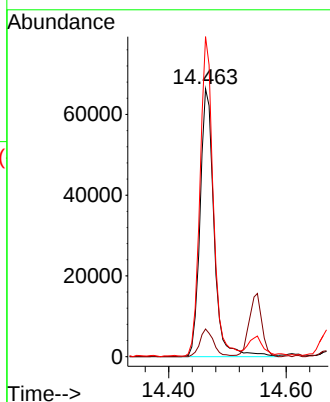
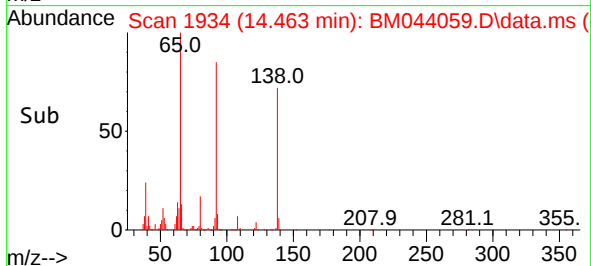
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



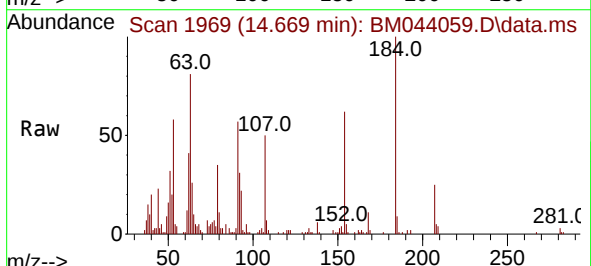
Tgt Ion:138 Resp: 10930
Ion Ratio Lower Upper
138 100
108 10.3 7.6 11.4
92 119.5 86.5 129.7

Manual Integrations
APPROVED

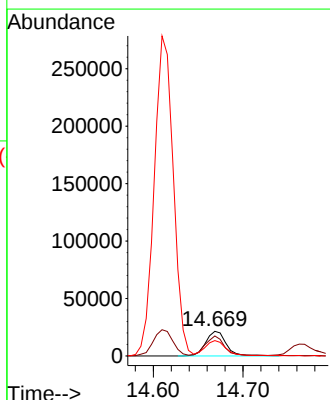
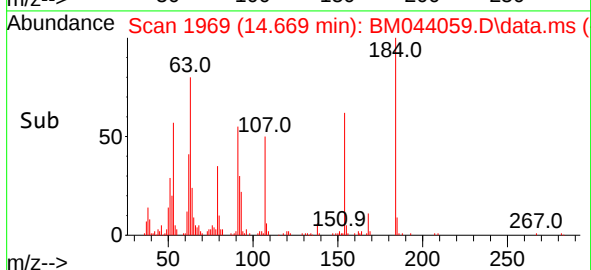
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

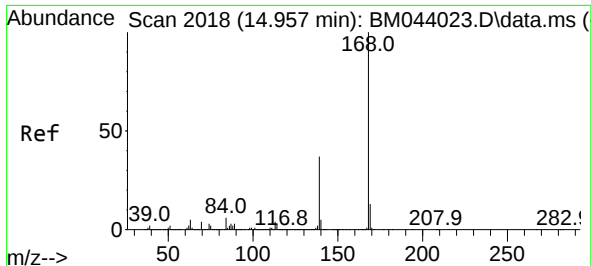


#54
2,4-Dinitrophenol
Concen: 8.313 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.005 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30



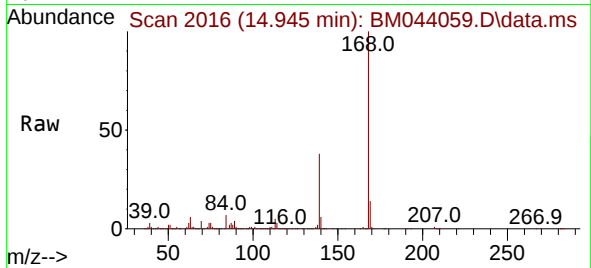
Tgt Ion:184 Resp: 33840
Ion Ratio Lower Upper
184 100
63 81.2 55.4 83.2
154 62.3 49.2 73.8





#55
Dibenzofuran
Concen: 6.298 ng
RT: 14.945 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

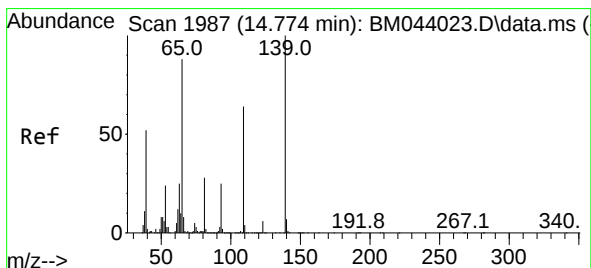
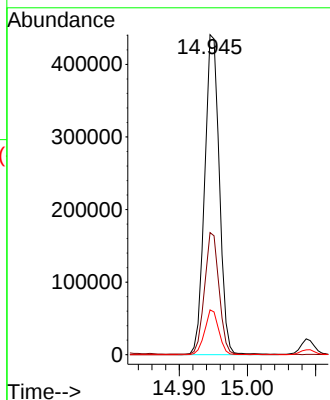
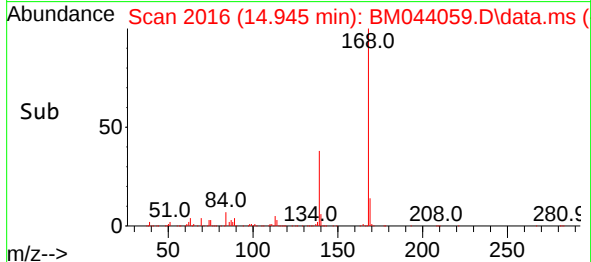
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



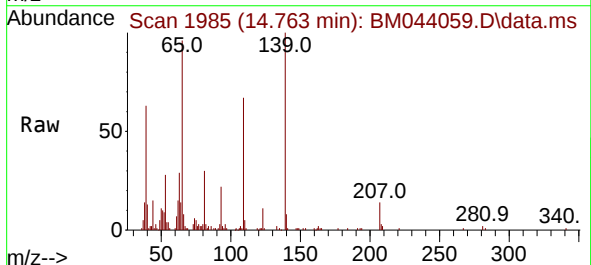
Tgt Ion:168 Resp: 661804
Ion Ratio Lower Upper
168 100
139 38.2 29.6 44.4
169 14.0 10.5 15.7

Manual Integrations
APPROVED

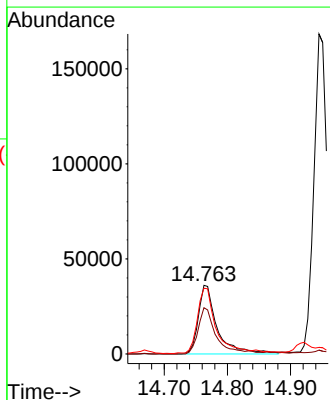
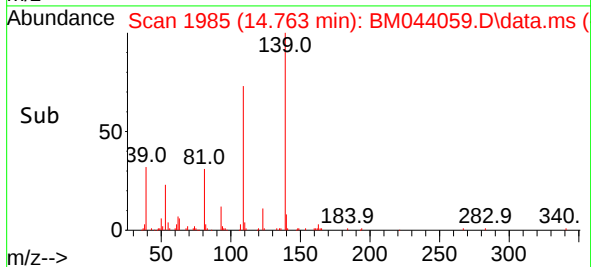
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

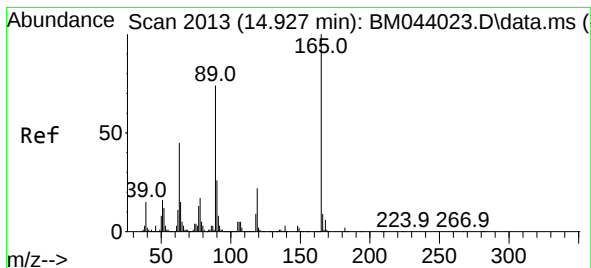


#56
4-Nitrophenol
Concen: 4.467 ng
RT: 14.763 min Scan# 1985
Delta R.T. -0.012 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30



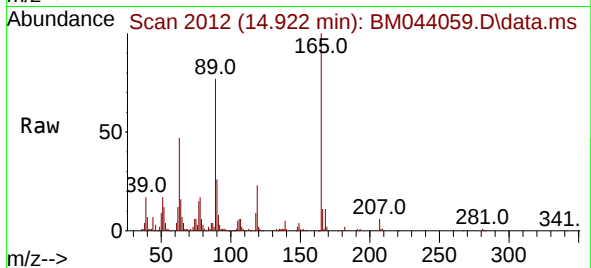
Tgt Ion:139 Resp: 75090
Ion Ratio Lower Upper
139 100
109 67.3 43.8 83.8
65 95.8 67.7 107.7





#57
2,4-Dinitrotoluene
Concen: 4.960 ng
RT: 14.922 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

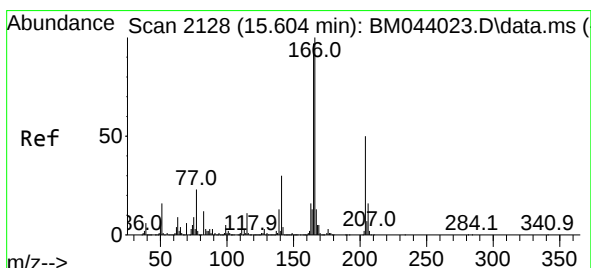
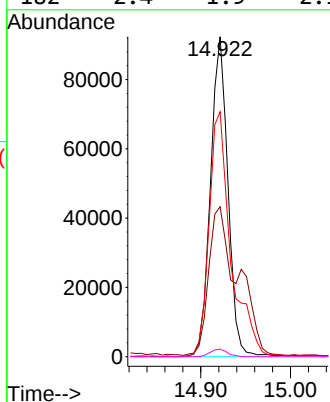
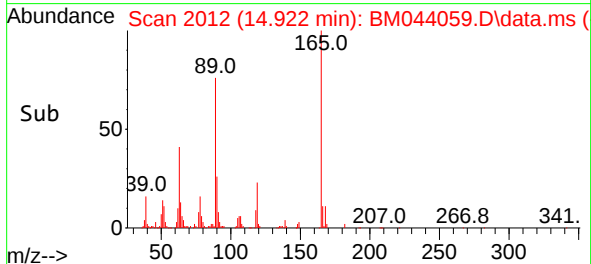
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:165 Resp: 124730
Ion Ratio Lower Upper
165 100
63 46.9 35.9 53.9
89 76.5 58.9 88.3
182 2.4 1.9 2.9

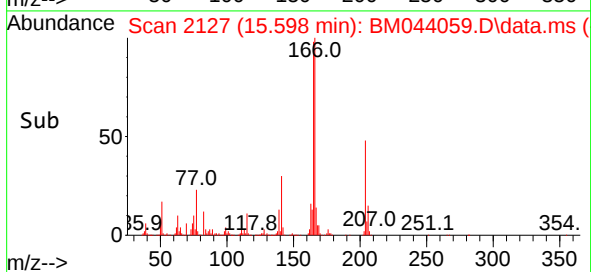
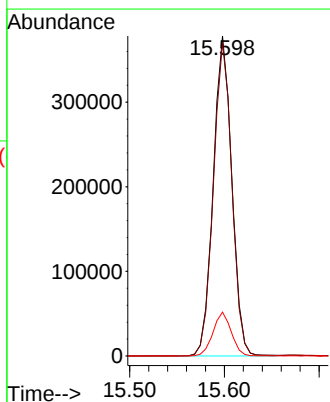
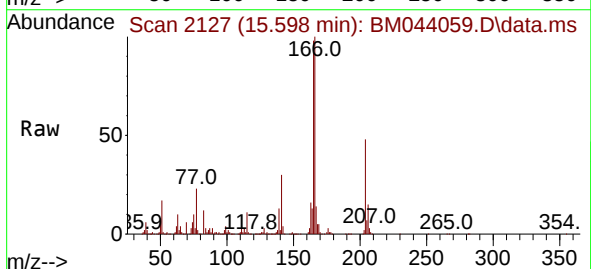
Manual Integrations
APPROVED

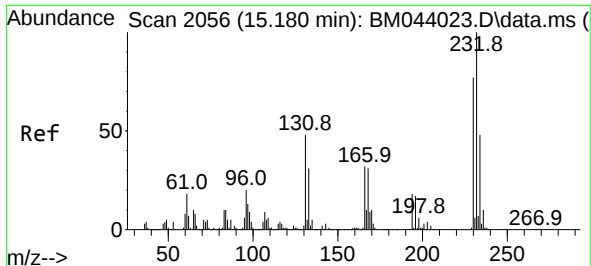
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#58
Fluorene
Concen: 6.362 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

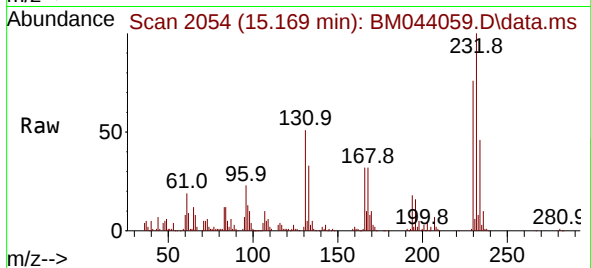
Tgt Ion:166 Resp: 516582
Ion Ratio Lower Upper
166 100
165 98.0 77.7 116.5
167 13.7 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 5.824 ng
RT: 15.169 min Scan# 2056
Delta R.T. -0.012 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

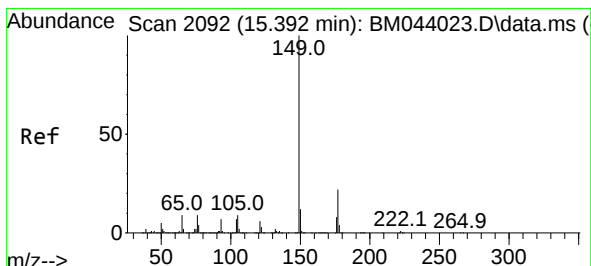
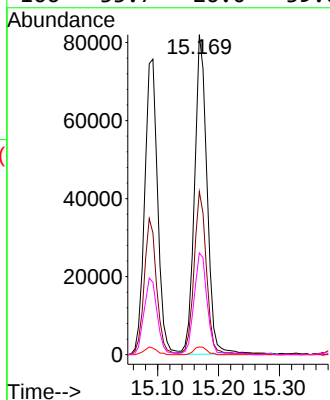
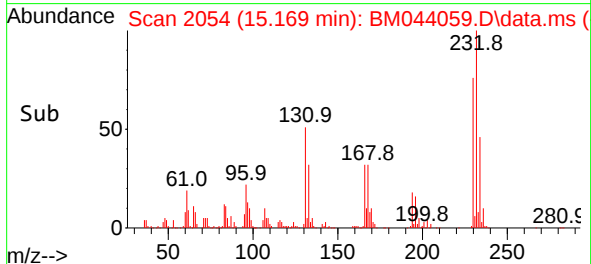
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



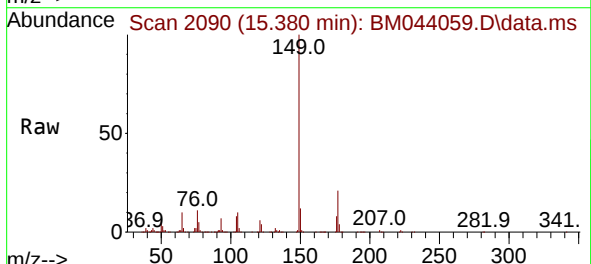
Tgt Ion:232 Resp: 11669
Ion Ratio Lower Upper
232 100
131 50.5 39.5 59.3
130 2.6 2.0 3.0
166 33.7 26.0 39.0

Manual Integrations
APPROVED

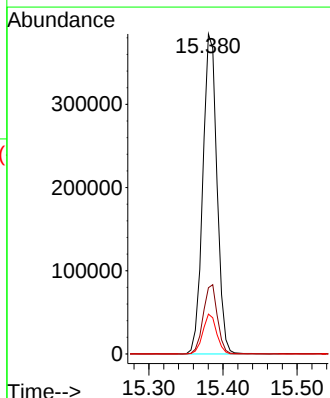
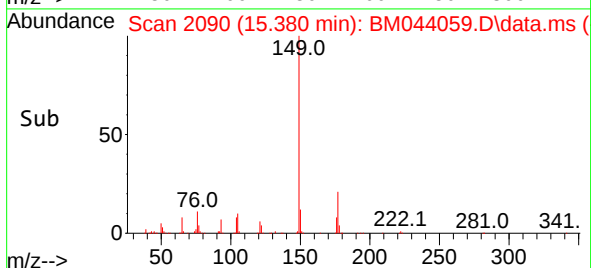
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

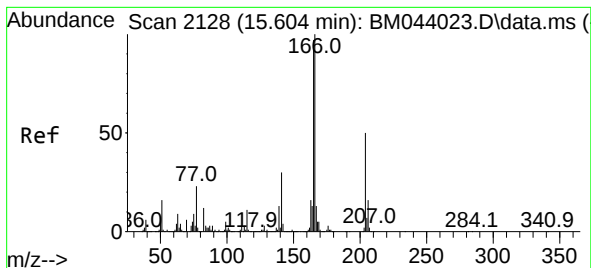


#60
Diethylphthalate
Concen: 5.678 ng
RT: 15.380 min Scan# 2090
Delta R.T. -0.012 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30



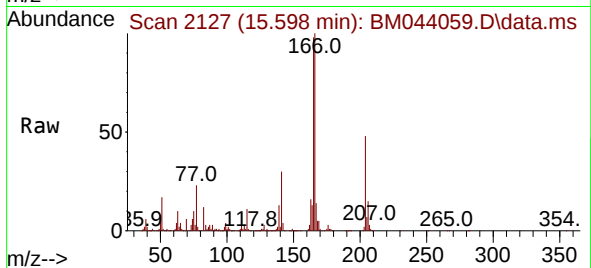
Tgt Ion:149 Resp: 511739
Ion Ratio Lower Upper
149 100
177 20.7 17.5 26.3
150 12.5 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 6.299 ng
RT: 15.598 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

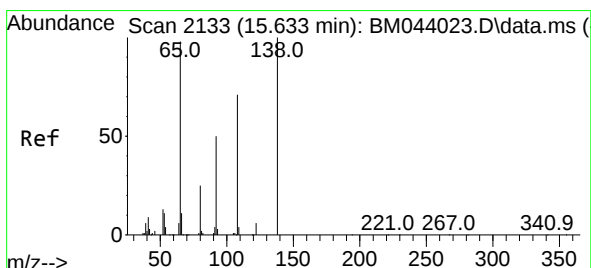
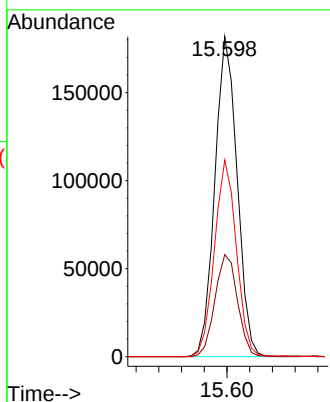
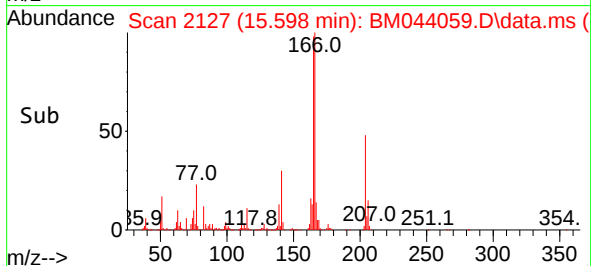
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:204 Resp: 247825
Ion Ratio Lower Upper
204 100
206 31.9 26.3 39.5
141 61.4 47.7 71.5

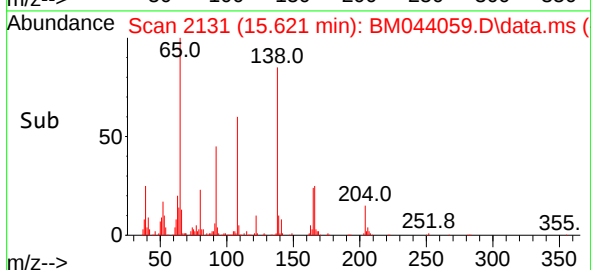
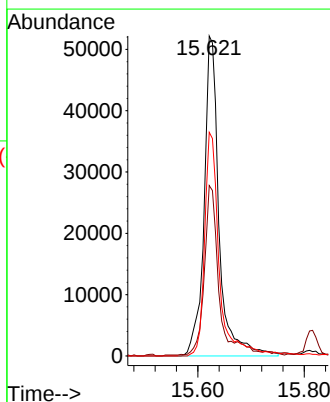
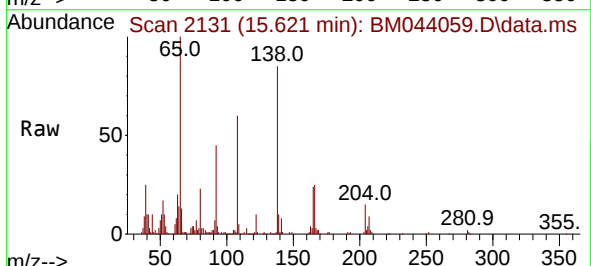
Manual Integrations
APPROVED

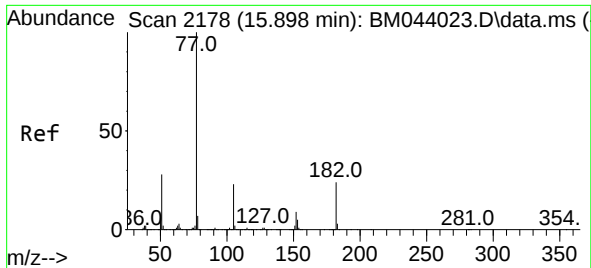
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#62
4-Nitroaniline
Concen: 4.897 ng
RT: 15.621 min Scan# 2131
Delta R.T. -0.012 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

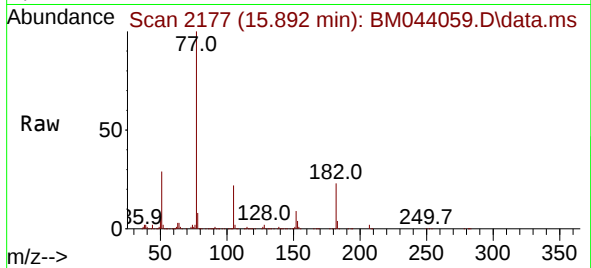
Tgt Ion:138 Resp: 101933
Ion Ratio Lower Upper
138 100
92 53.2 29.6 69.6
108 69.9 47.8 87.8





#63
Azobenzene
Concen: 5.969 ng
RT: 15.892 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

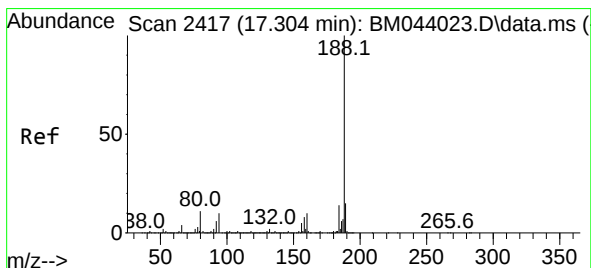
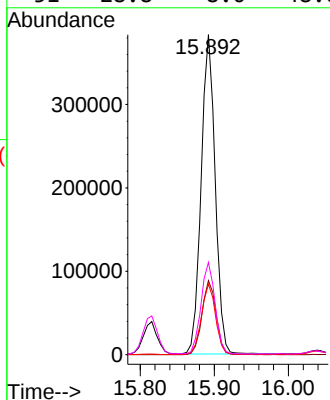
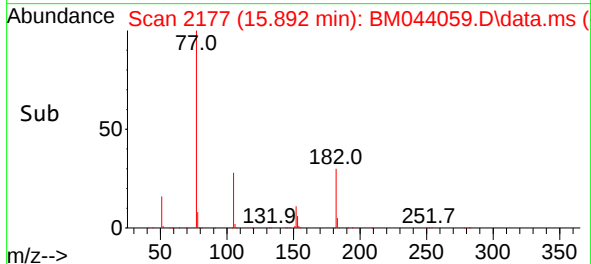
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion: 77 Resp: 50475
Ion Ratio Lower Upper
77 100
182 23.1 4.0 44.0
105 22.0 3.3 43.3
51 28.8 8.0 48.0

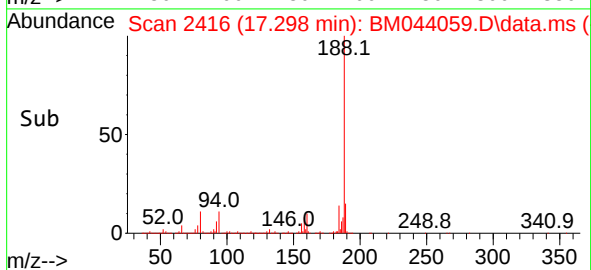
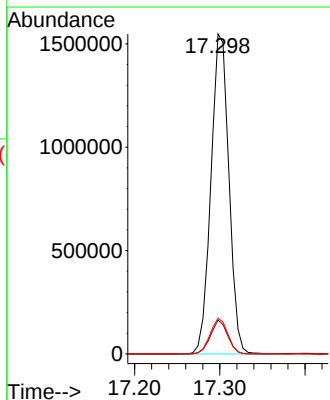
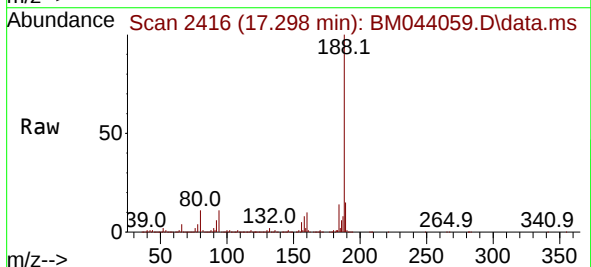
Manual Integrations
APPROVED

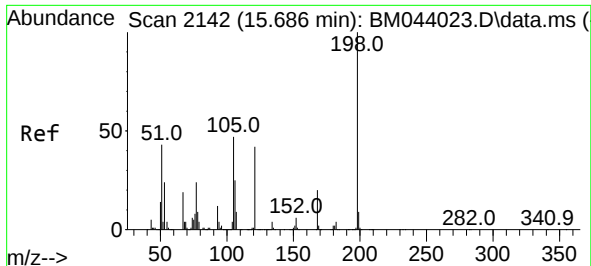
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

Tgt Ion:188 Resp: 2268391
Ion Ratio Lower Upper
188 100
94 10.6 8.2 12.2
80 11.2 8.8 13.2





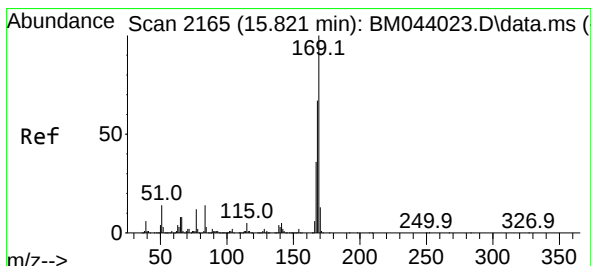
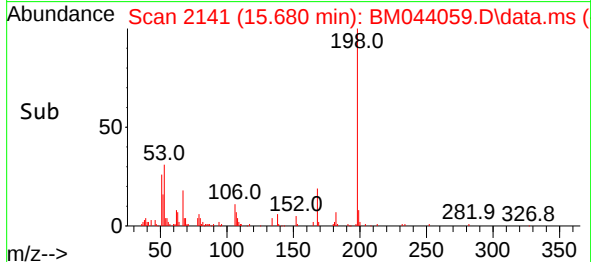
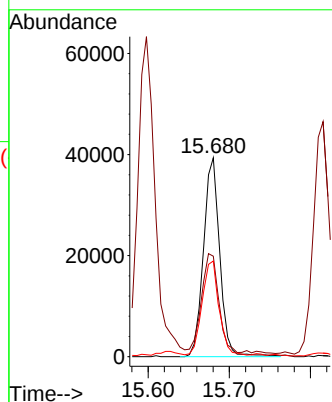
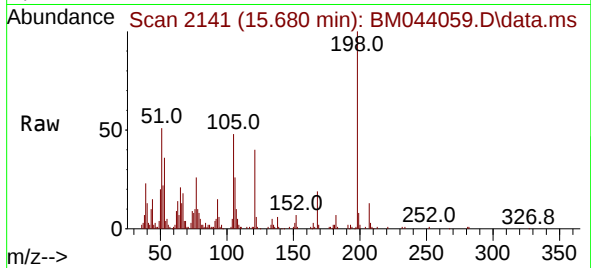
#65
4,6-Dinitro-2-methylphenol
Concen: 4.050 ng
RT: 15.680 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

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

Tgt Ion:198 Resp: 54745
Ion Ratio Lower Upper
198 100
51 50.5 29.9 69.9
105 48.1 28.7 68.7

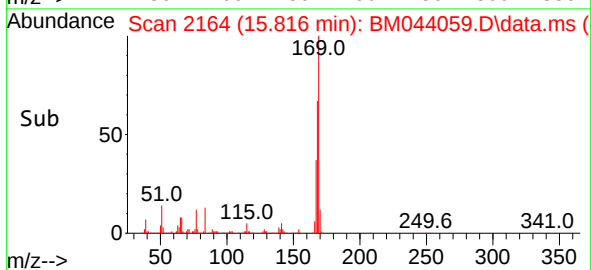
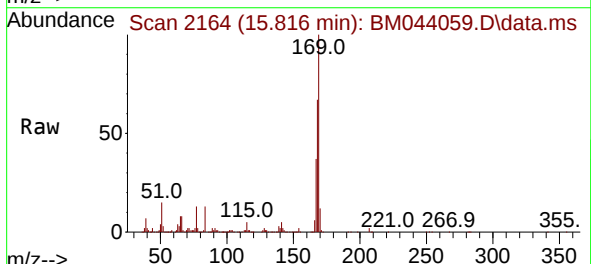
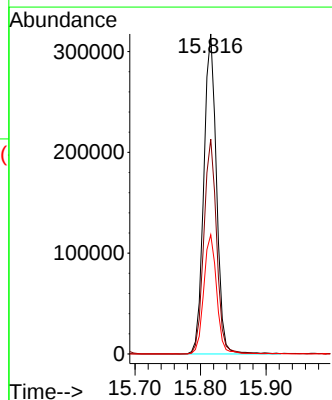
Manual Integrations
APPROVED

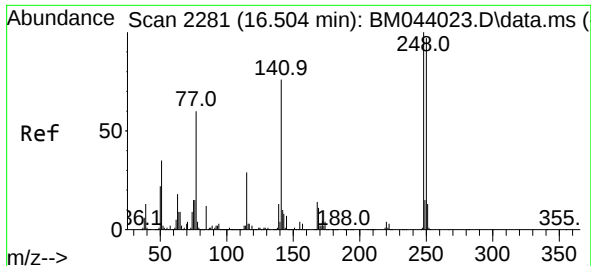
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#66
n-Nitrosodiphenylamine
Concen: 6.225 ng
RT: 15.816 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

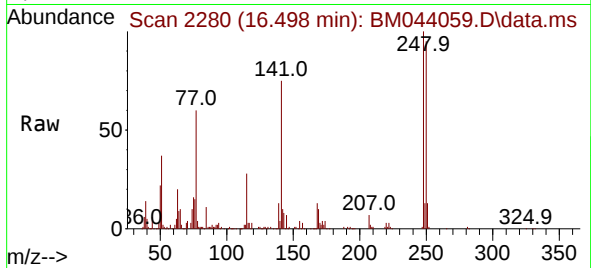
Tgt Ion:169 Resp: 429001
Ion Ratio Lower Upper
169 100
168 67.2 53.8 80.8
167 37.3 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 5.473 ng
RT: 16.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

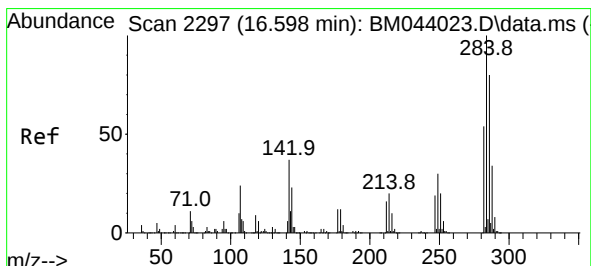
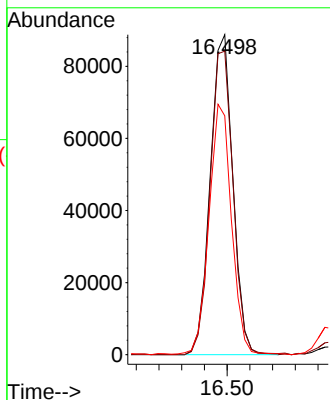
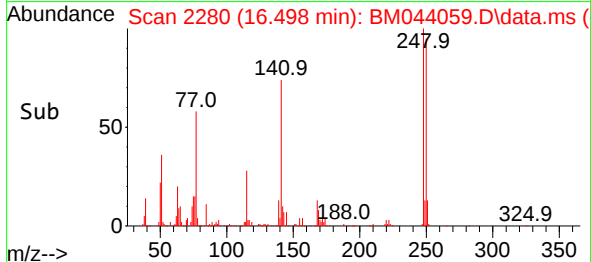
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:248 Resp: 122745
Ion Ratio Lower Upper
248 100
250 94.8 77.4 116.2
141 74.7 61.0 91.6

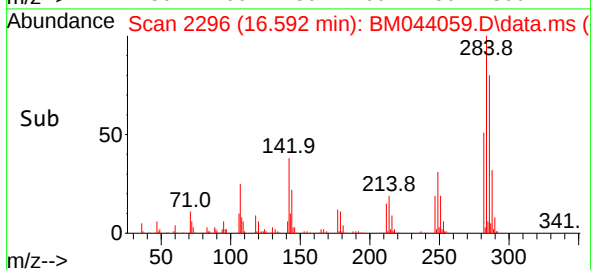
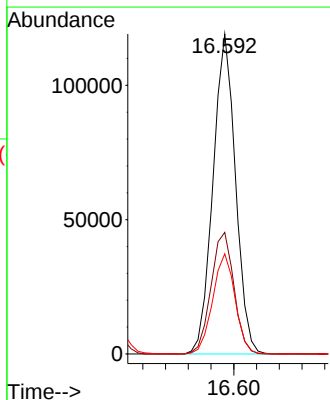
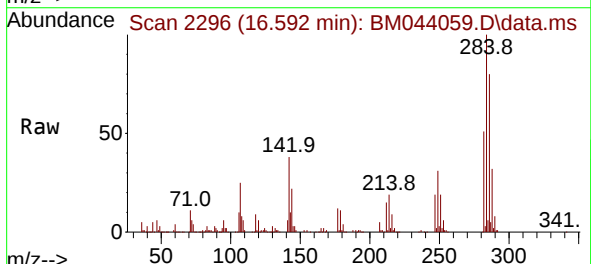
Manual Integrations
APPROVED

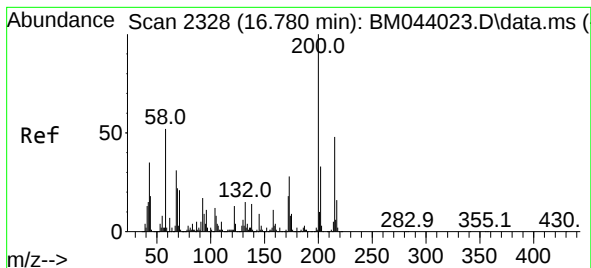
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#68
Hexachlorobenzene
Concen: 5.960 ng
RT: 16.592 min Scan# 2296
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

Tgt Ion:284 Resp: 163746
Ion Ratio Lower Upper
284 100
142 38.0 30.0 45.0
249 31.3 24.1 36.1





#69

Atrazine

Concen: 6.984 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044059.D

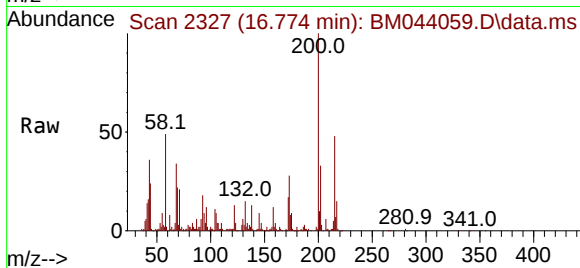
Acq: 12 Feb 2024 16:30

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023



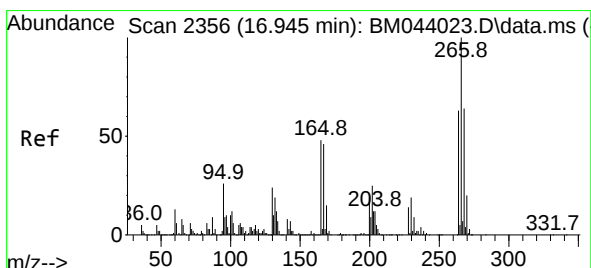
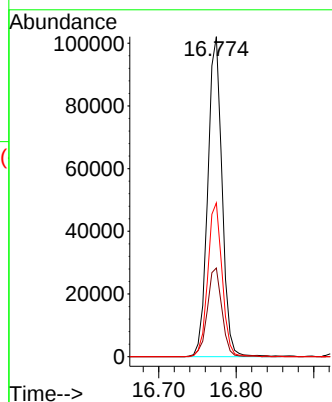
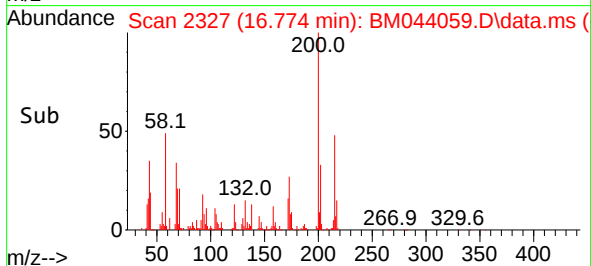
Tgt Ion:	200	Resp:	130319
Ion Ratio	Lower	Upper	
200	100		
173	27.7	7.9	47.9
215	48.0	27.9	67.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#70

Pentachlorophenol

Concen: 4.405 ng

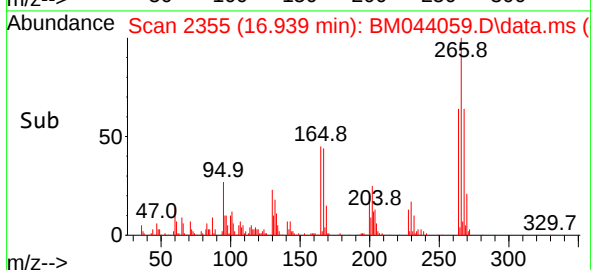
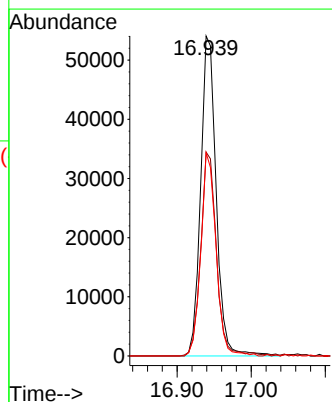
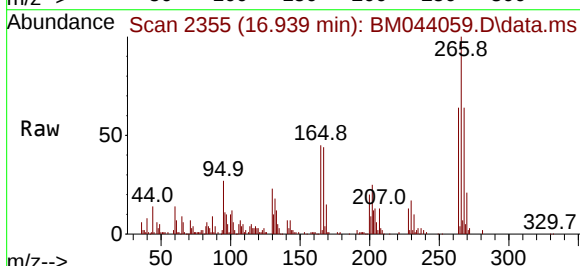
RT: 16.939 min Scan# 2355

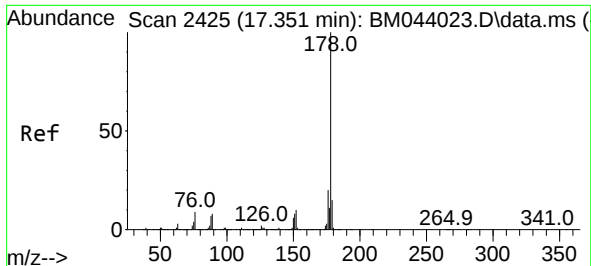
Delta R.T. -0.006 min

Lab File: BM044059.D

Acq: 12 Feb 2024 16:30

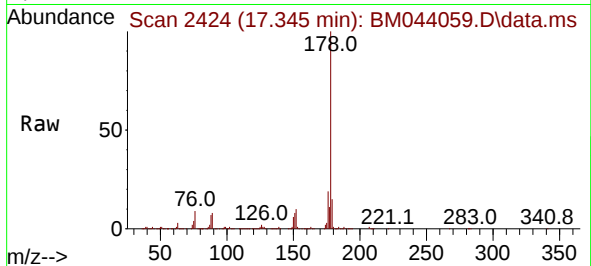
Tgt Ion:	266	Resp:	78720
Ion Ratio	Lower	Upper	
266	100		
268	63.7	51.1	76.7
264	63.5	50.5	75.7





#71
Phenanthrene
Concen: 6.464 ng
RT: 17.345 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

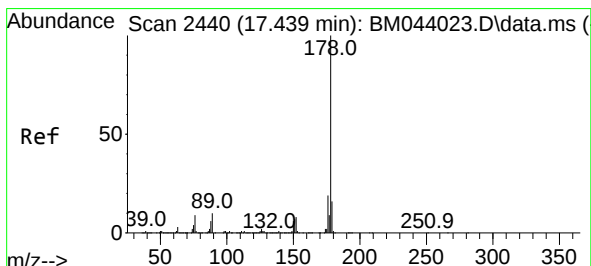
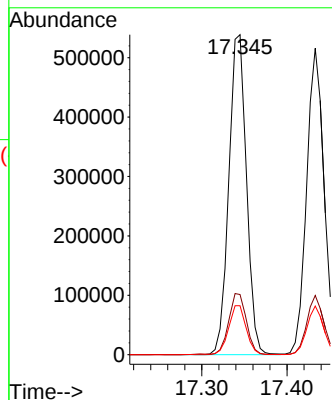
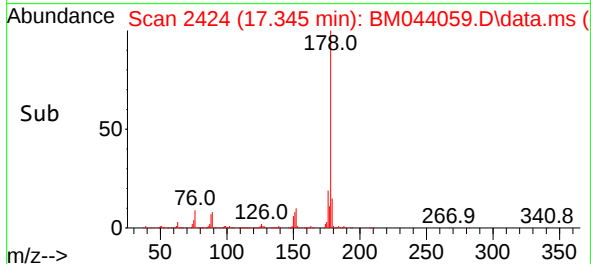
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:178 Resp: 774348
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.3 12.2 18.4

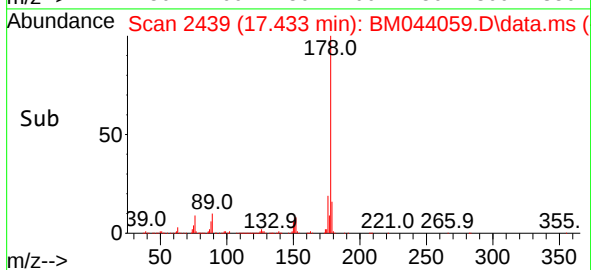
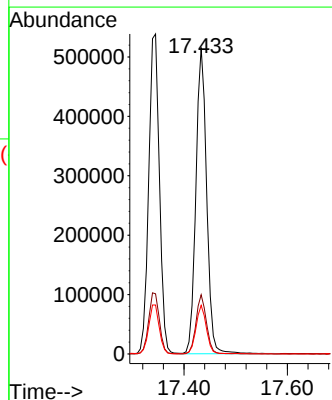
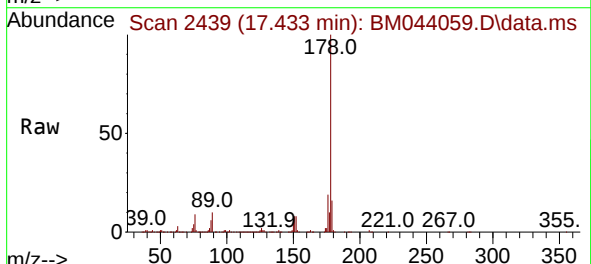
Manual Integrations
APPROVED

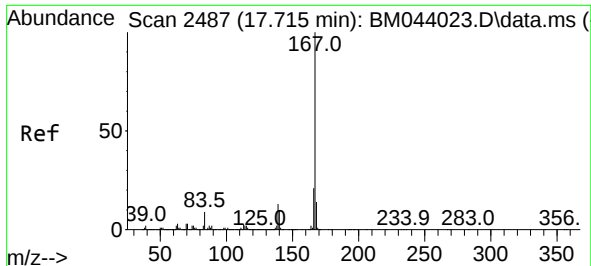
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#72
Anthracene
Concen: 6.276 ng
RT: 17.433 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

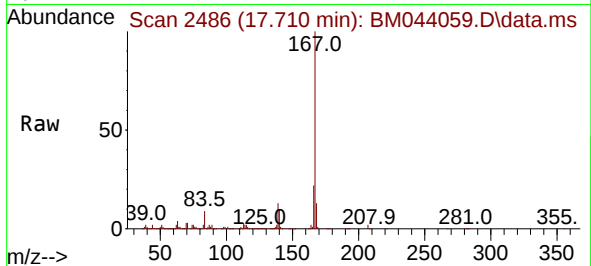
Tgt Ion:178 Resp: 744229
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.9 12.4 18.6





#73
 Carbazole
 Concen: 5.892 ng
 RT: 17.710 min Scan# 2487
 Delta R.T. -0.006 min
 Lab File: BM044059.D
 Acq: 12 Feb 2024 16:30

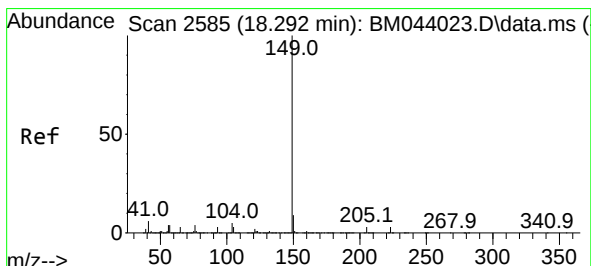
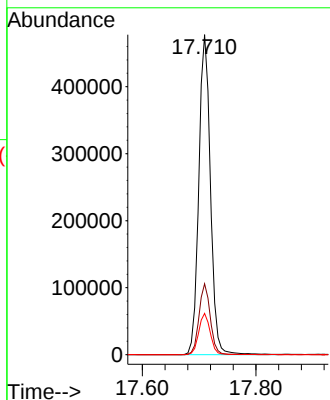
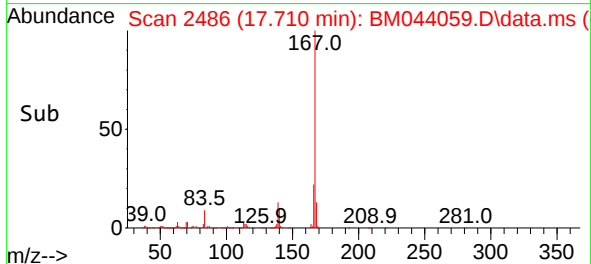
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2023



Tgt Ion:167 Resp: 67947
 Ion Ratio Lower Upper
 167 100
 166 22.2 16.8 25.2
 139 12.9 10.4 15.6

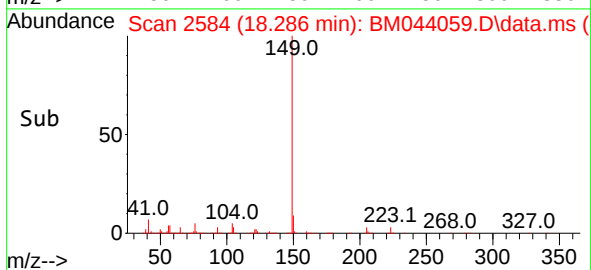
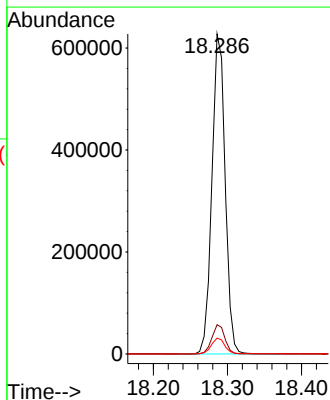
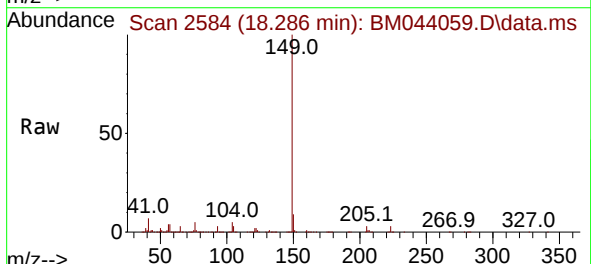
Manual Integrations
 APPROVED

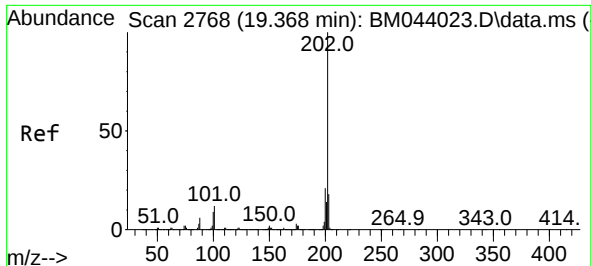
Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024



#74
 Di-n-butylphthalate
 Concen: 5.190 ng
 RT: 18.286 min Scan# 2584
 Delta R.T. -0.006 min
 Lab File: BM044059.D
 Acq: 12 Feb 2024 16:30

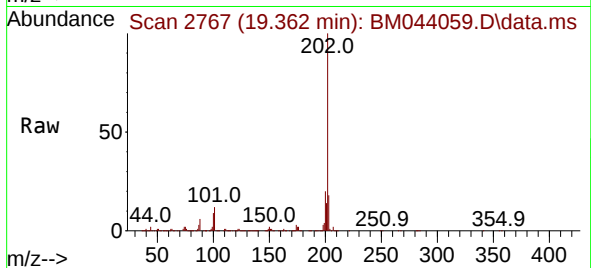
Tgt Ion:149 Resp: 778000
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 4.9 3.8 5.6





#75
Fluoranthene
Concen: 5.868 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

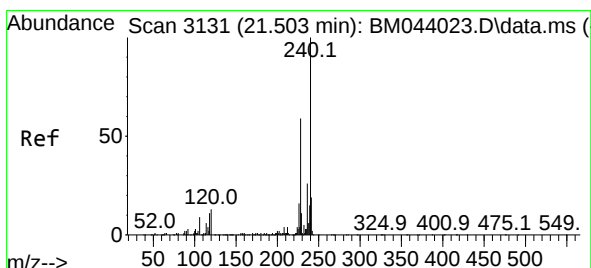
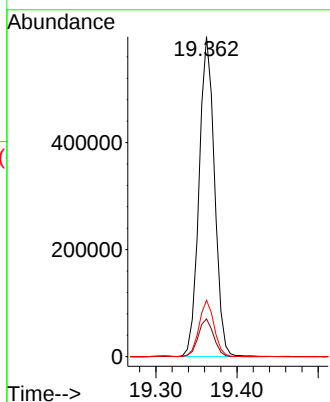
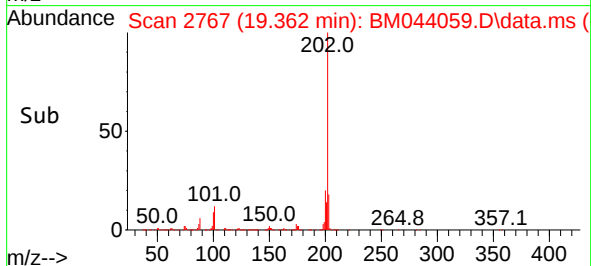
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:202 Resp: 78962
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.4
203 17.6 0.0 37.8

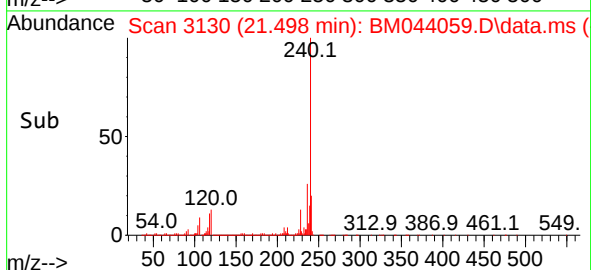
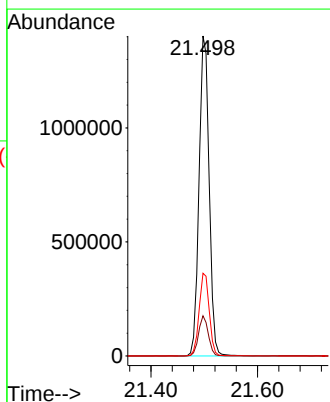
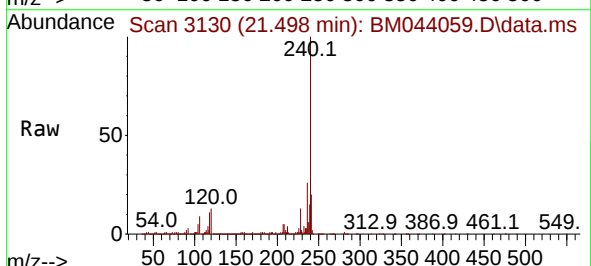
Manual Integrations
APPROVED

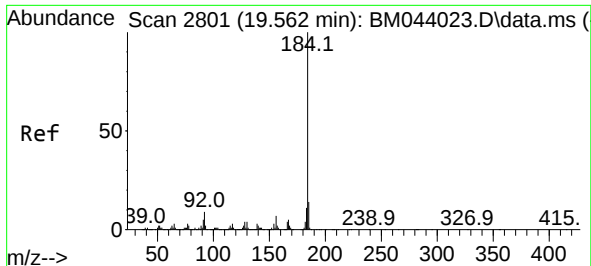
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.498 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

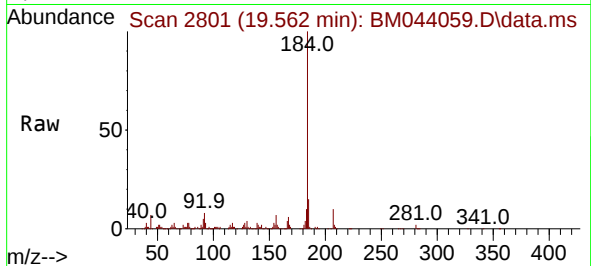
Tgt Ion:240 Resp: 1844234
Ion Ratio Lower Upper
240 100
120 12.5 10.1 15.1
236 25.8 20.6 31.0





#77
Benzidine
Concen: 8.415 ng
RT: 19.562 min Scan# 2801
Delta R.T. 0.000 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

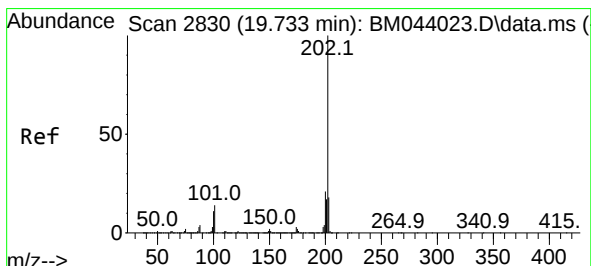
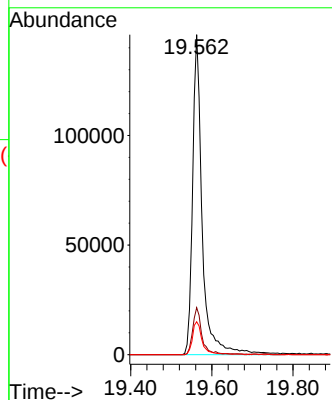
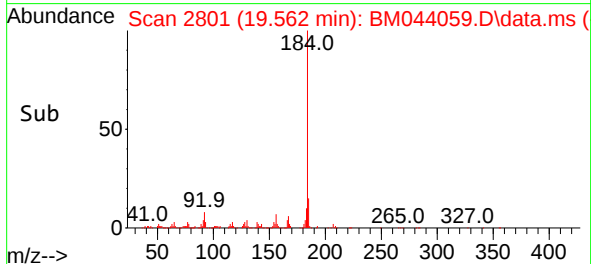
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



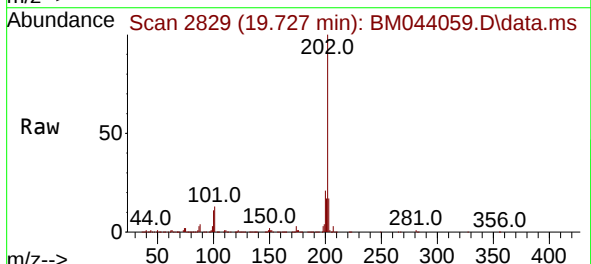
Tgt Ion:184 Resp: 241168
Ion Ratio Lower Upper
184 100
185 14.7 11.0 16.6
183 10.3 9.0 13.4

Manual Integrations
APPROVED

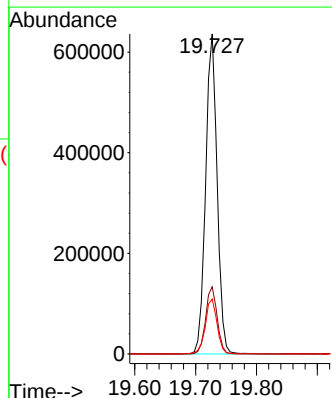
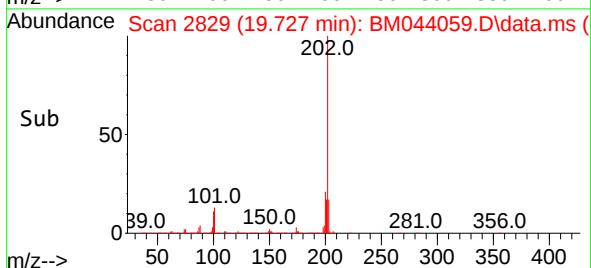
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

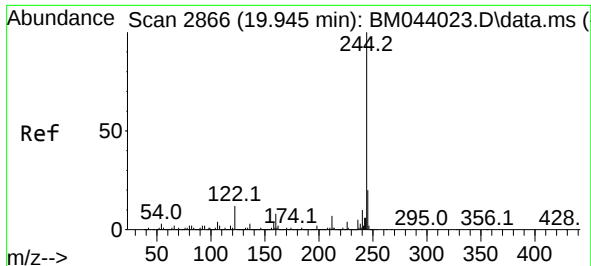


#78
Pyrene
Concen: 5.866 ng
RT: 19.727 min Scan# 2829
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30



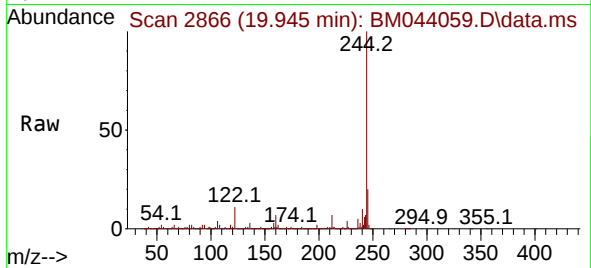
Tgt Ion:202 Resp: 833190
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 17.1 14.0 21.0





#79
 Terphenyl-d14
 Concen: 61.147 ng
 RT: 19.945 min Scan# 2866
 Delta R.T. 0.000 min
 Lab File: BM044059.D
 Acq: 12 Feb 2024 16:30

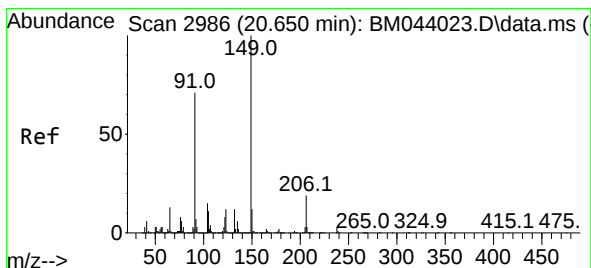
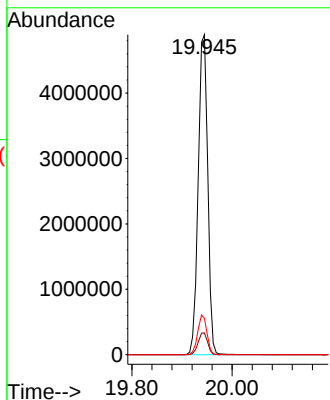
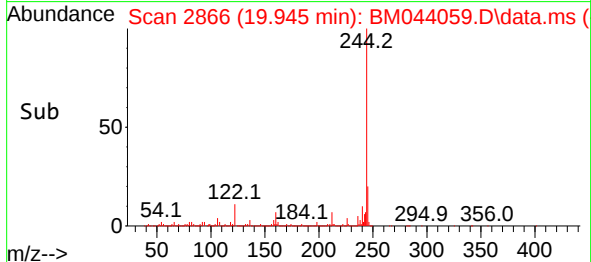
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2023



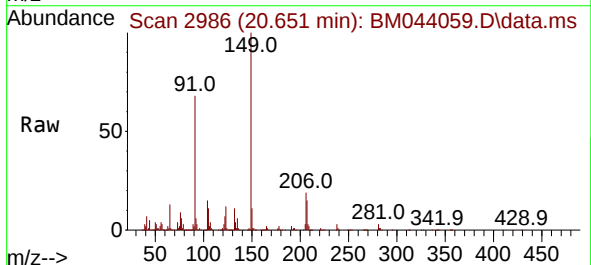
Tgt Ion:244 Resp: 643284
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.3 9.5 14.3

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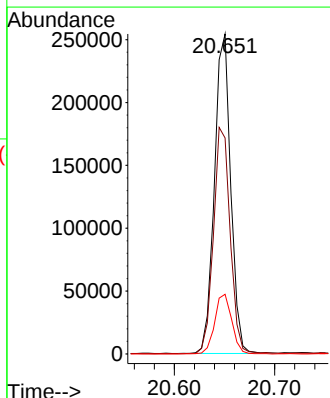
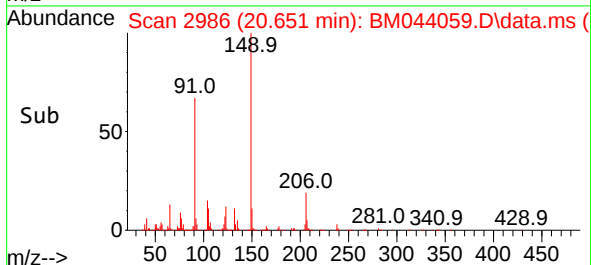
Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024

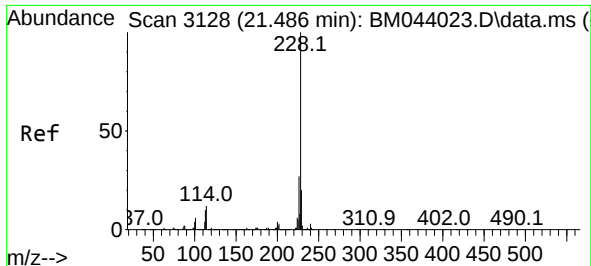


#80
 Butylbenzylphthalate
 Concen: 4.534 ng
 RT: 20.651 min Scan# 2986
 Delta R.T. 0.000 min
 Lab File: BM044059.D
 Acq: 12 Feb 2024 16:30



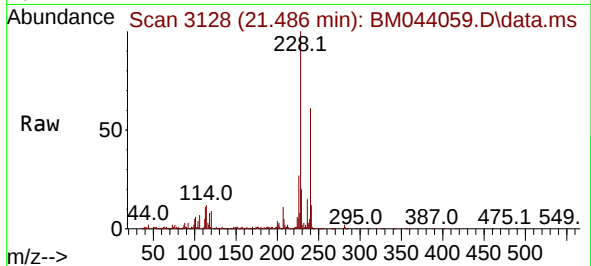
Tgt Ion:149 Resp: 286241
 Ion Ratio Lower Upper
 149 100
 91 67.5 56.8 85.2
 206 18.6 15.0 22.6





#81
Benzo(a)anthracene
Concen: 5.936 ng
RT: 21.486 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

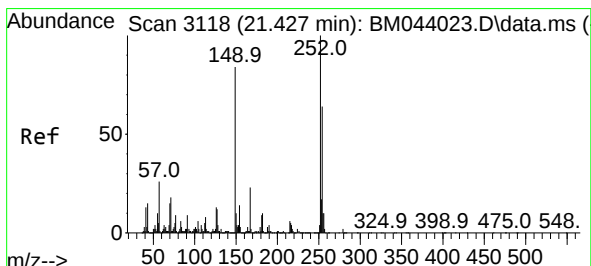
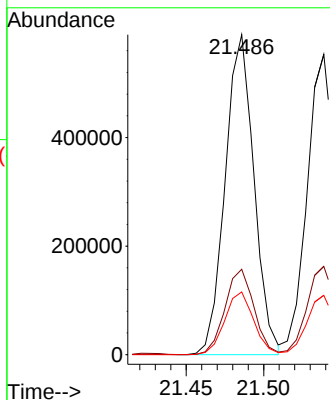
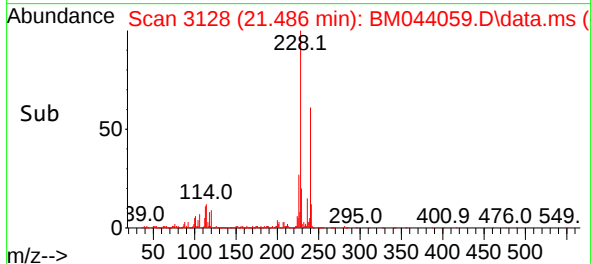
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023



Tgt Ion:228 Resp: 76152
Ion Ratio Lower Upper
228 100
226 26.7 21.4 32.2
229 19.6 15.9 23.9

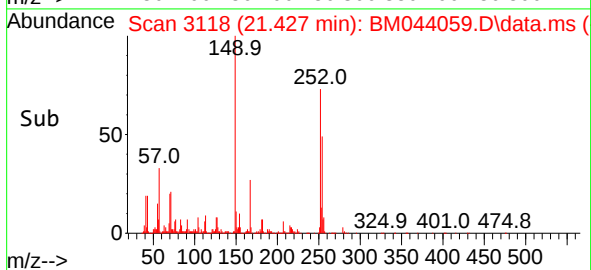
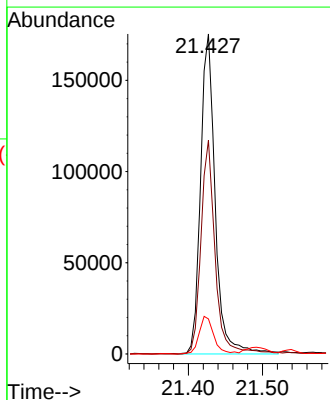
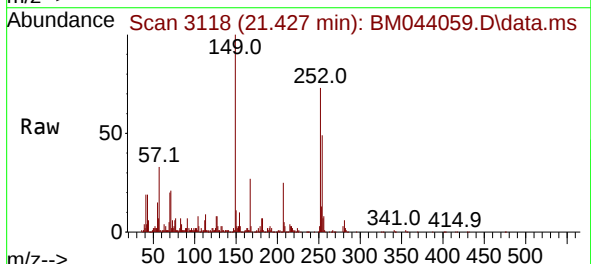
Manual Integrations
APPROVED

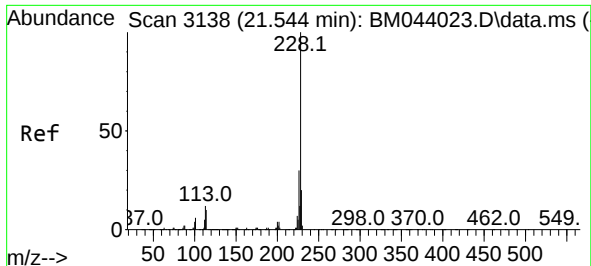
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#82
3,3'-Dichlorobenzidine
Concen: 5.733 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

Tgt Ion:252 Resp: 241317
Ion Ratio Lower Upper
252 100
254 66.8 51.2 76.8
126 11.0 10.2 15.4





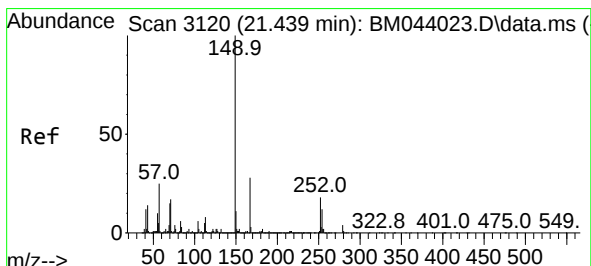
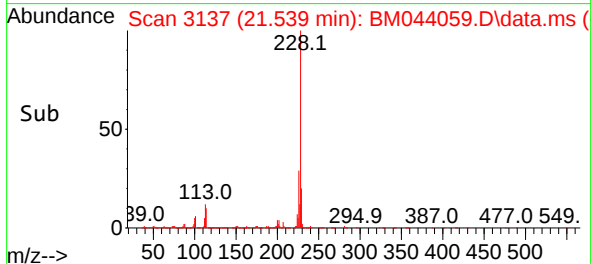
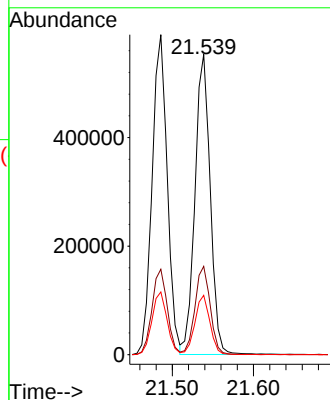
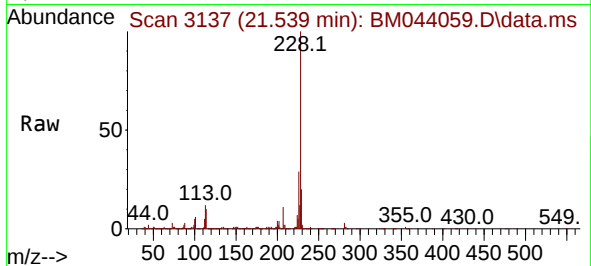
#83
Chrysene
Concen: 5.974 ng
RT: 21.539 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

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

Tgt Ion:228 Resp: 724052
Ion Ratio Lower Upper
228 100
226 29.4 24.2 36.2
229 19.8 15.8 23.8

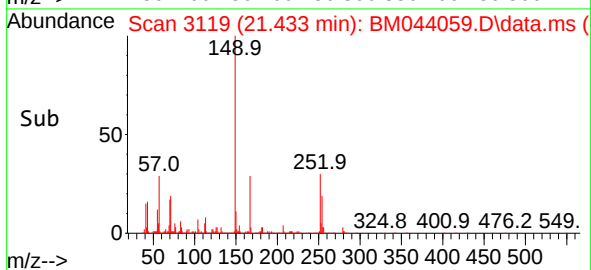
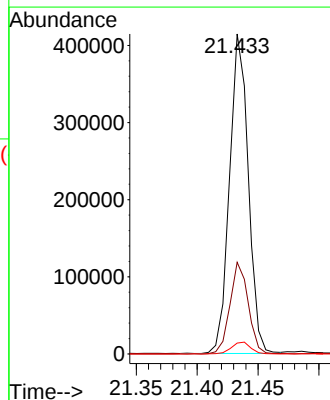
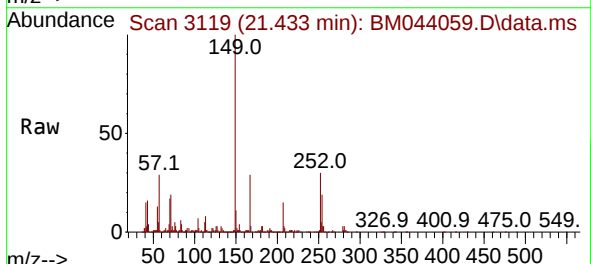
Manual Integrations
APPROVED

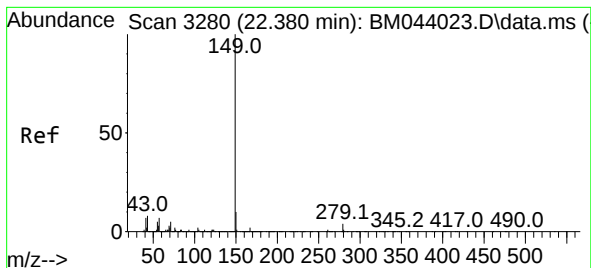
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.753 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

Tgt Ion:149 Resp: 442762
Ion Ratio Lower Upper
149 100
167 28.6 22.6 33.8
279 3.4 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 4.153 ng

RT: 22.374 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044059.D

Acq: 12 Feb 2024 16:30

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

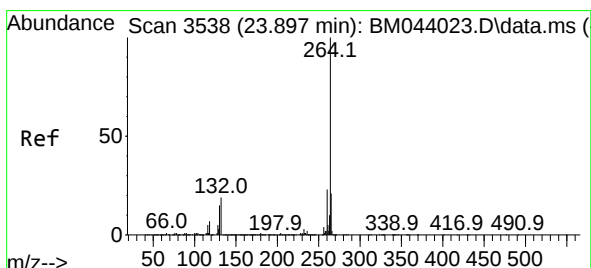
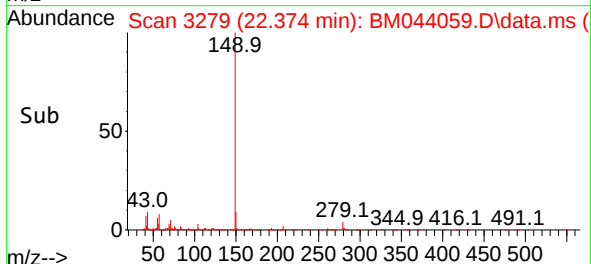
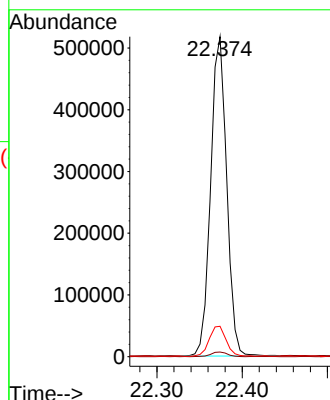
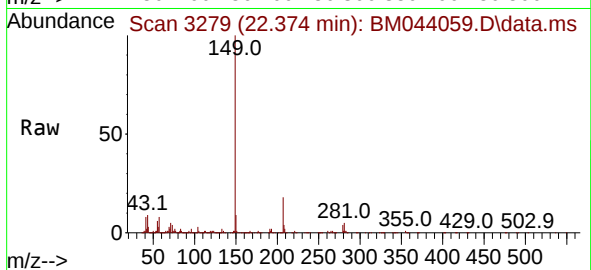
Tgt Ion:	149	Resp:	67567
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	9.9	7.0	10.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#86

Perylene-d12

Concen: 20.000 ng

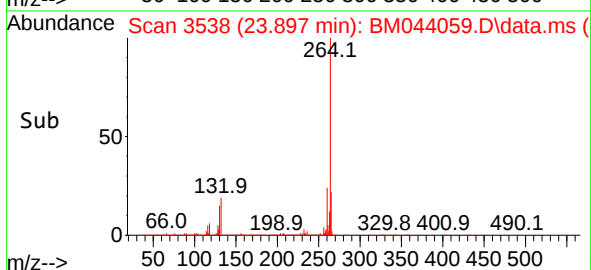
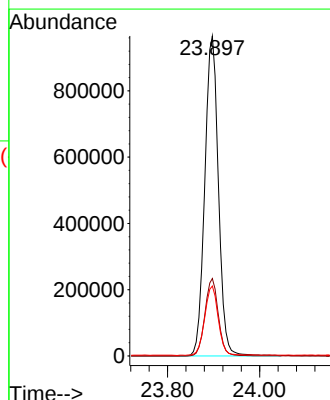
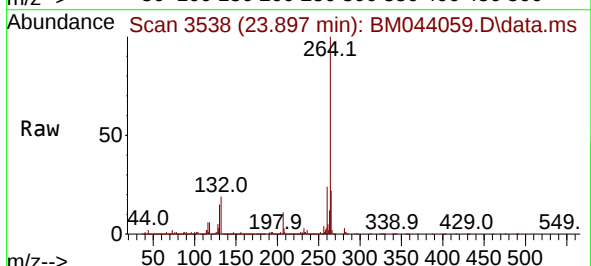
RT: 23.897 min Scan# 3538

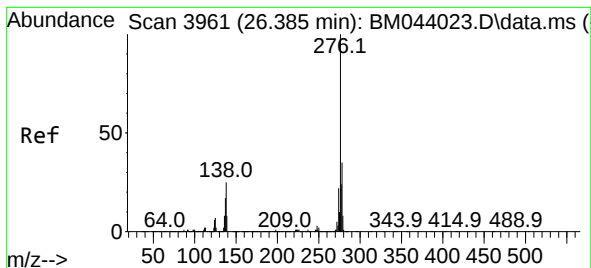
Delta R.T. 0.000 min

Lab File: BM044059.D

Acq: 12 Feb 2024 16:30

Tgt Ion:	264	Resp:	1995058
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.8	28.2
265	21.8	17.3	25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.752 ng

RT: 26.374 min Scan# 3959

Delta R.T. -0.012 min

Lab File: BM044059.D

Acq: 12 Feb 2024 16:30

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

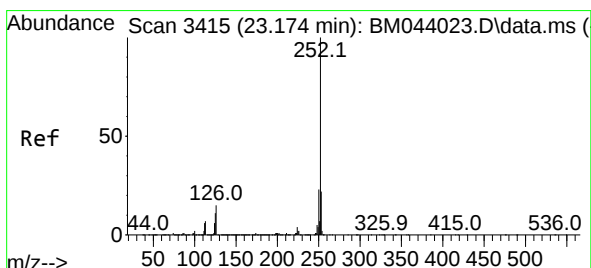
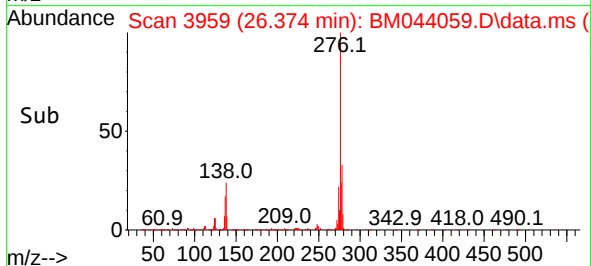
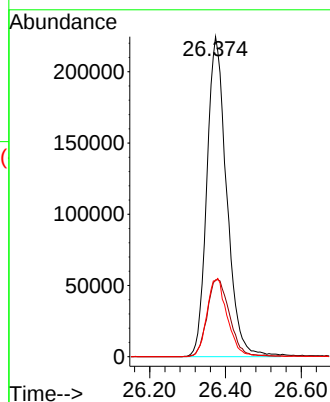
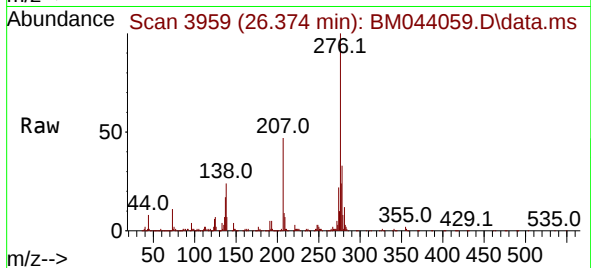
Tgt Ion:	276	Resp:	81226
Ion Ratio	Lower	Upper	
276	100		
138	27.4	22.6	34.0
277	25.4	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#88

Benzo(b)fluoranthene

Concen: 5.880 ng

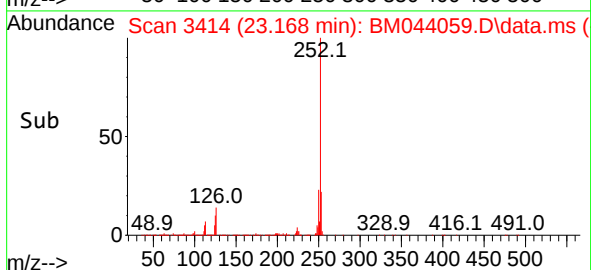
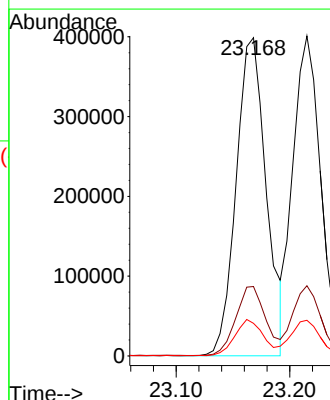
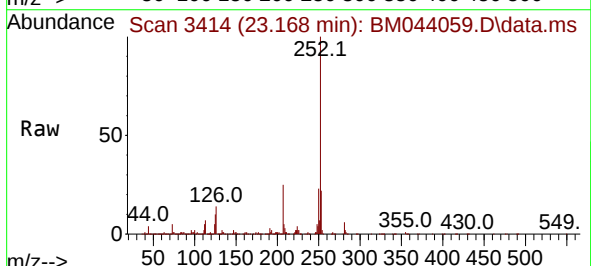
RT: 23.168 min Scan# 3414

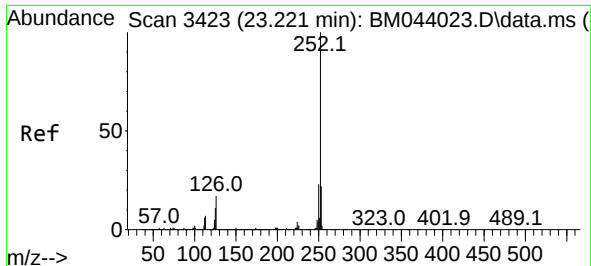
Delta R.T. -0.006 min

Lab File: BM044059.D

Acq: 12 Feb 2024 16:30

Tgt Ion:	252	Resp:	733356
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.6	26.4
125	10.2	8.8	13.2





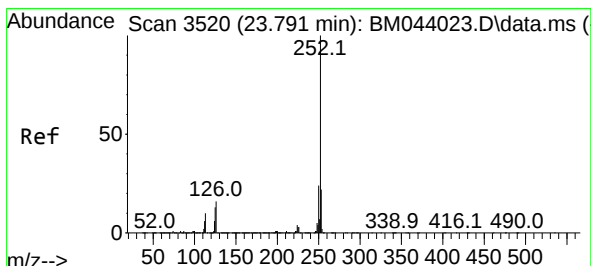
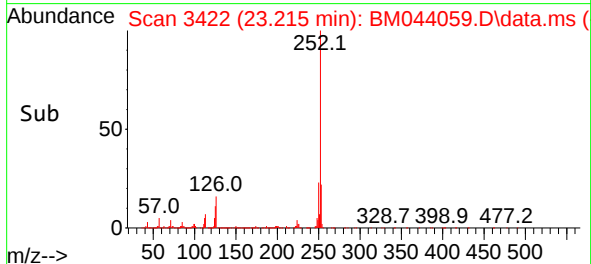
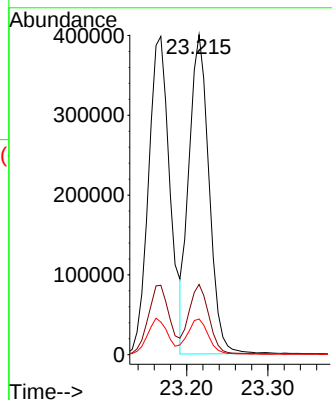
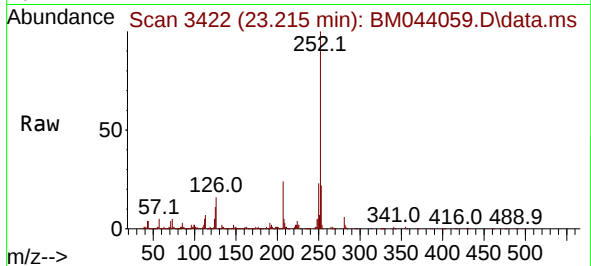
#89
Benzo(k)fluoranthene
Concen: 5.796 ng
RT: 23.215 min Scan# 3423
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

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

Tgt Ion:252 Resp: 686810
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 11.1 9.0 13.4

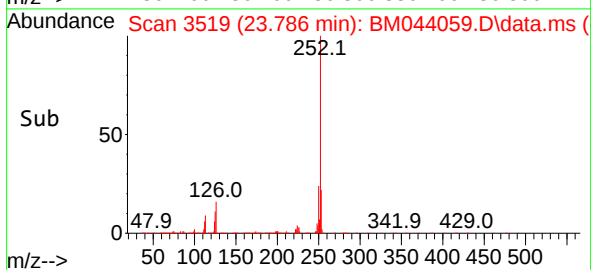
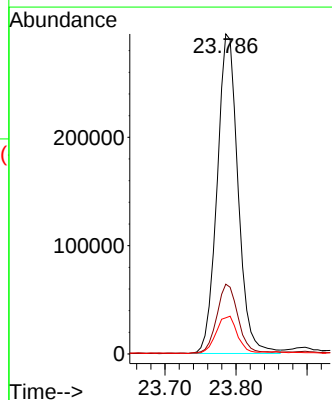
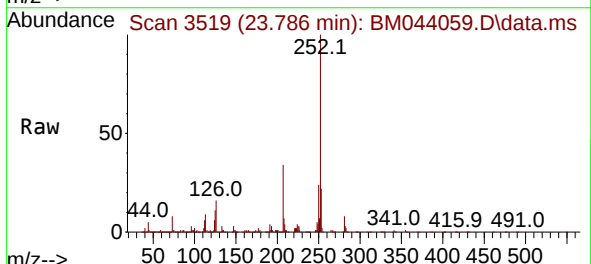
Manual Integrations
APPROVED

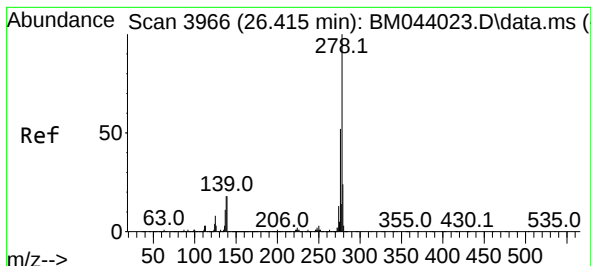
Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024



#90
Benzo(a)pyrene
Concen: 5.525 ng
RT: 23.786 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BM044059.D
Acq: 12 Feb 2024 16:30

Tgt Ion:252 Resp: 601823
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 11.3 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 5.821 ng

RT: 26.403 min Scan# 3964

Delta R.T. -0.012 min

Lab File: BM044059.D

Acq: 12 Feb 2024 16:30

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2023

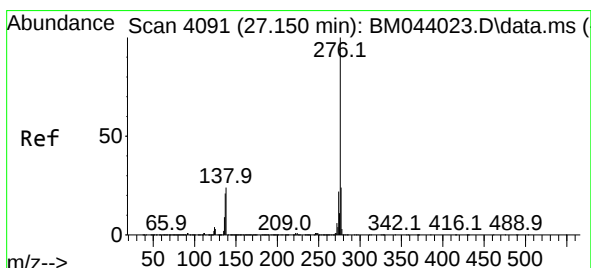
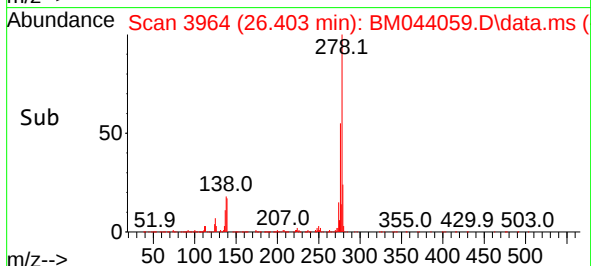
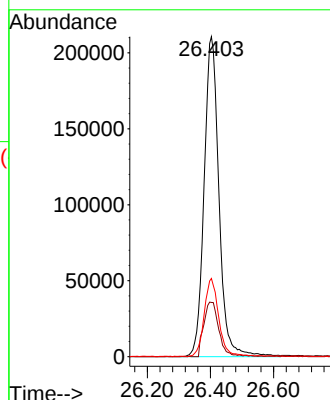
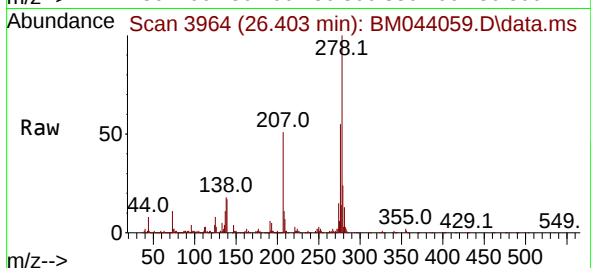
Tgt Ion:	278	Resp:	68754
Ion Ratio	Lower	Upper	
278	100		
139	16.9	14.5	21.7
279	24.4	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/14/2024

Supervised By :mohammad ahmed 02/14/2024



#92

Benzo(g,h,i)perylene

Concen: 5.521 ng

RT: 27.132 min Scan# 4088

Delta R.T. -0.017 min

Lab File: BM044059.D

Acq: 12 Feb 2024 16:30

Tgt Ion:	276	Resp:	661324
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.0	28.4
138	25.7	19.1	28.7

