

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081224\
 Data File : BM047158.D
 Acq On : 12 Aug 2024 16:39
 Operator : RC/JU
 Sample : P3390-02
 Misc : LOQ-SOIL-5NG
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

Quant Time: Aug 12 18:17:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/13/2024
 Supervised By :mohammad ahmed 08/14/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	253427	20.000	ng	0.00
21) Naphthalene-d8	10.127	136	1058733	20.000	ng	0.00
39) Acenaphthene-d10	14.027	164	711313	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1584431	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1503966	20.000	ng	0.00
86) Perylene-d12	23.727	264	1717416	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1460395	102.968	ng	0.00
7) Phenol-d6	6.581	99	1981786	101.407	ng	0.00
23) Nitrobenzene-d5	8.522	82	1809987	86.083	ng	0.00
42) 2,4,6-Tribromophenol	15.539	330	903214	109.510	ng	0.00
45) 2-Fluorobiphenyl	12.639	172	3961267	85.903	ng	0.00
79) Terphenyl-d14	19.462	244	6731819	95.911	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.034	88	33924	5.773	ng	98
3) Pyridine	3.416	79	87395	5.072	ng	98
4) n-Nitrosodimethylamine	3.334	42	42093	5.591	ng	# 91
6) Aniline	6.722	93	126539	6.850	ng	96
8) 2-Chlorophenol	6.945	128	85508	5.528	ng	97
9) Benzaldehyde	6.539	77	82625m	5.586	ng	
10) Phenol	6.604	94	108167	5.547	ng	92
11) bis(2-Chloroethyl)ether	6.822	93	96765	5.794	ng	97
12) 1,3-Dichlorobenzene	7.263	146	100825	5.485	ng	99
13) 1,4-Dichlorobenzene	7.410	146	103678	5.571	ng	99
14) 1,2-Dichlorobenzene	7.716	146	102037	5.811	ng	99
15) Benzyl Alcohol	7.622	79	82183	5.909	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.916	45	129550	6.046	ng	97
17) 2-Methylphenol	7.834	107	70742	5.438	ng	97
18) Hexachloroethane	8.428	117	38163	5.294	ng	100
19) n-Nitroso-di-n-propyla...	8.181	70	80821	6.140	ng	97
20) 3+4-Methylphenols	8.157	107	96381	5.299	ng	97
22) Acetophenone	8.192	105	153243	5.996	ng	98
24) Nitrobenzene	8.563	77	120012	5.668	ng	98
25) Isophorone	9.086	82	211358	5.773	ng	100
26) 2-Nitrophenol	9.263	139	43513	4.641	ng	94
27) 2,4-Dimethylphenol	9.339	122	52392	4.770	ng	97
28) bis(2-Chloroethoxy)met...	9.575	93	132918	5.770	ng	100
29) 2,4-Dichlorophenol	9.798	162	82421	5.057	ng	98
30) 1,2,4-Trichlorobenzene	9.998	180	98561	5.344	ng	99
31) Naphthalene	10.175	128	295962	5.611	ng	100
32) Benzoic acid	9.439	122	46050m	3.609	ng	
33) 4-Chloroaniline	10.304	127	119973	5.915	ng	98
34) Hexachlorobutadiene	10.463	225	52471	4.861	ng	97
35) Caprolactam	11.086	113	30209	5.338	ng	87
36) 4-Chloro-3-methylphenol	11.445	107	90423	5.210	ng	96
37) 2-Methylnaphthalene	11.804	142	208647	5.556	ng	99
38) 1-Methylnaphthalene	12.027	142	203657	5.487	ng	98
40) 1,2,4,5-Tetrachloroben...	12.186	216	104507	5.387	ng	98
41) Hexachlorocyclopentadiene	12.163	237	17774	2.624	ng	93
43) 2,4,6-Trichlorophenol	12.445	196	67962	4.928	ng	98

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Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

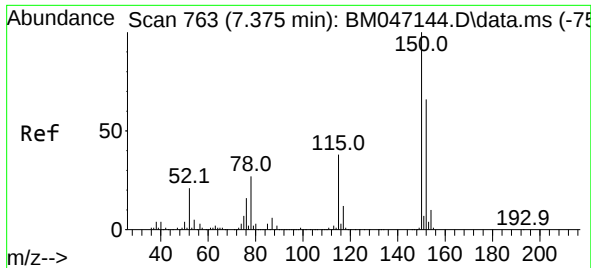
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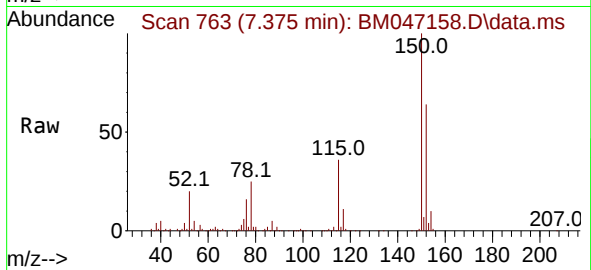
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.521	196	76530	4.998	ng	96
46) 1,1'-Biphenyl	12.851	154	291151	5.749	ng	98
47) 2-Chloronaphthalene	12.886	162	225137	5.688	ng	99
48) 2-Nitroaniline	13.110	65	64418	5.195	ng	93
49) Acenaphthylene	13.745	152	365444	6.264	ng	98
50) Dimethylphthalate	13.504	163	294822	5.935	ng	99
51) 2,6-Dinitrotoluene	13.621	165	57707	4.969	ng	98
52) Acenaphthene	14.098	154	215901	5.834	ng	99
53) 3-Nitroaniline	13.957	138	60920	5.235	ng	98
54) 2,4-Dinitrophenol	14.174	184	23851	3.427	ng	92
55) Dibenzofuran	14.433	168	360558	6.168	ng	100
56) 4-Nitrophenol	14.298	139	47118	4.696	ng	93
57) 2,4-Dinitrotoluene	14.421	165	77166	4.978	ng	88
58) Fluorene	15.092	166	287003	5.950	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.674	232	69490	5.522	ng	98
60) Diethylphthalate	14.892	149	290504	5.726	ng	99
61) 4-Chlorophenyl-phenyle...	15.098	204	136794	5.957	ng	98
62) 4-Nitroaniline	15.127	138	57264m	4.995	ng	
63) Azobenzene	15.392	77	288228	5.992	ng	98
65) 4,6-Dinitro-2-methylph...	15.192	198	35455	3.822	ng	88
66) n-Nitrosodiphenylamine	15.315	169	244962	5.676	ng	99
67) 4-Bromophenyl-phenylether	15.992	248	78709	5.155	ng	97
68) Hexachlorobenzene	16.098	284	99219	5.426	ng	97
69) Atrazine	16.286	200	84913	6.539	ng	97
70) Pentachlorophenol	16.451	266	49823	3.887	ng	100
71) Phenanthrene	16.833	178	471391	5.928	ng	99
72) Anthracene	16.927	178	418074	5.404	ng	99
73) Carbazole	17.209	167	436887	5.530	ng	99
74) Di-n-butylphthalate	17.792	149	491607	5.348	ng	99
75) Fluoranthene	18.868	202	525254	5.431	ng	99
77) Benzidine	19.074	184	128927	5.055	ng	99
78) Pyrene	19.233	202	561110	5.225	ng	99
80) Butylbenzylphthalate	20.174	149	214618	4.897	ng	96
81) Benzo(a)anthracene	21.009	228	552253	5.531	ng	98
82) 3,3'-Dichlorobenzidine	20.956	252	179274	5.739	ng	97
83) Chrysene	21.068	228	521326	5.503	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	330442	5.317	ng	97
85) Di-n-octyl phthalate	22.009	149	506986	4.799	ng	97
87) Indeno(1,2,3-cd)pyrene	26.709	276	612479	5.517	ng	99
88) Benzo(b)fluoranthene	22.880	252	566342	5.553	ng	98
89) Benzo(k)fluoranthene	22.938	252	532752	5.530	ng	99
90) Benzo(a)pyrene	23.597	252	469737	5.317	ng	98
91) Dibenzo(a,h)anthracene	26.762	278	512367	5.703	ng	99
92) Benzo(g,h,i)perylene	27.638	276	500742	5.369	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 763
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

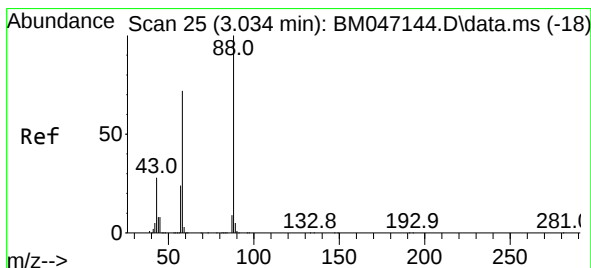
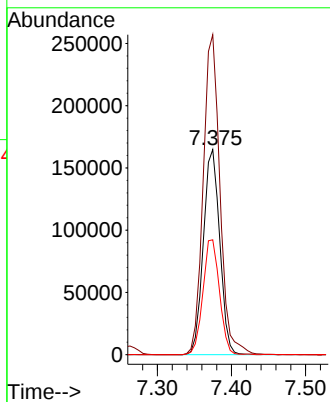
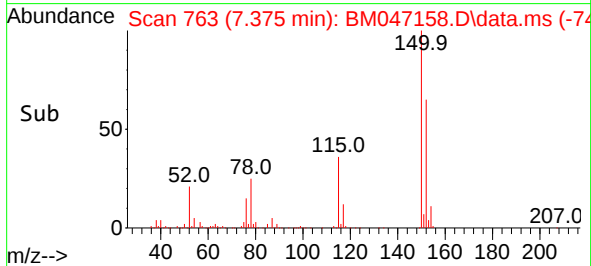
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:152 Resp: 25342
Ion Ratio Lower Upper
152 100
150 156.0 120.5 180.7
115 56.0 45.5 68.3

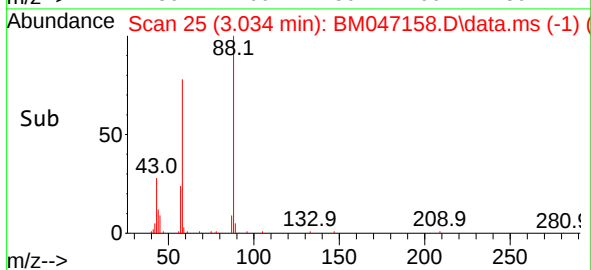
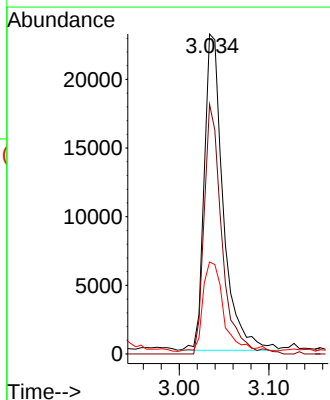
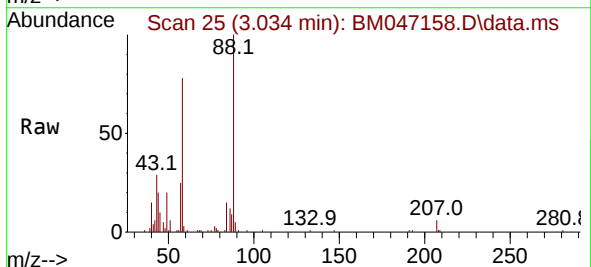
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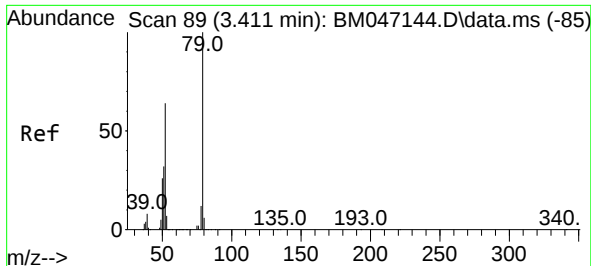
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#2
1,4-Dioxane
Concen: 5.773 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

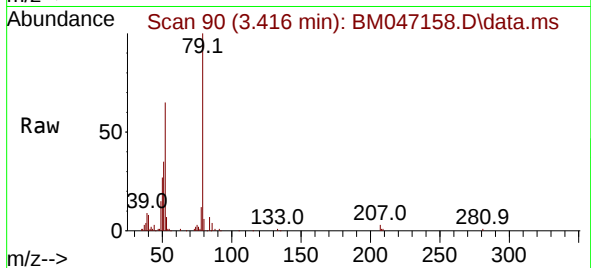
Tgt Ion: 88 Resp: 33924
Ion Ratio Lower Upper
88 100
58 73.6 58.2 87.4
43 30.7 22.5 33.7





#3
Pyridine
Concen: 5.072 ng
RT: 3.416 min Scan# 90
Delta R.T. 0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

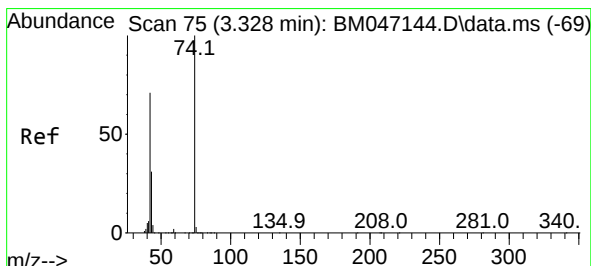
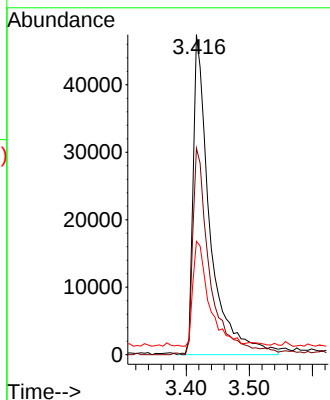
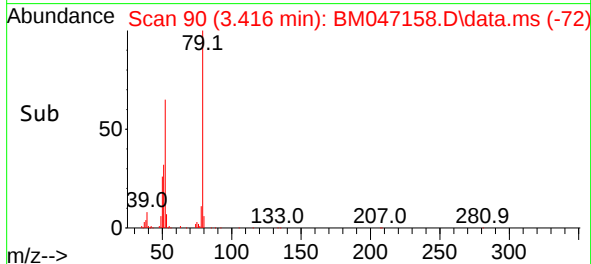
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion: 79 Resp: 8739
Ion Ratio Lower Upper
79 100
52 64.5 51.2 76.8
51 35.5 26.1 39.1

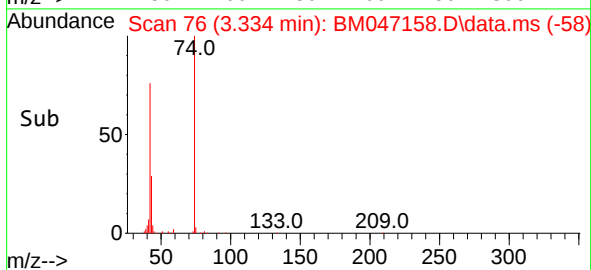
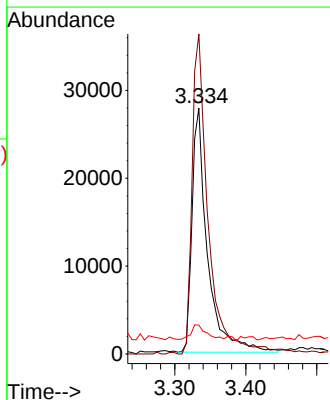
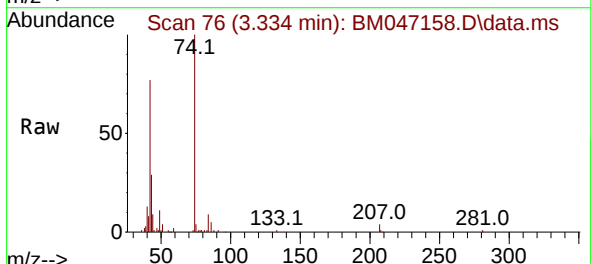
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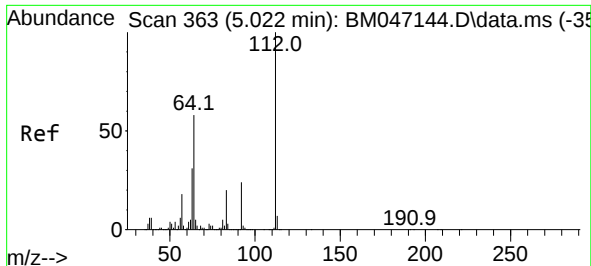
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#4
n-Nitrosodimethylamine
Concen: 5.591 ng
RT: 3.334 min Scan# 76
Delta R.T. 0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

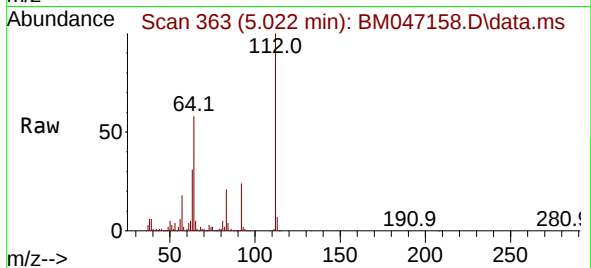
Tgt Ion: 42 Resp: 42093
Ion Ratio Lower Upper
42 100
74 130.2 112.9 169.3
44 11.7 5.3 7.9





#5
2-Fluorophenol
Concen: 102.968 ng
RT: 5.022 min Scan# 363
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

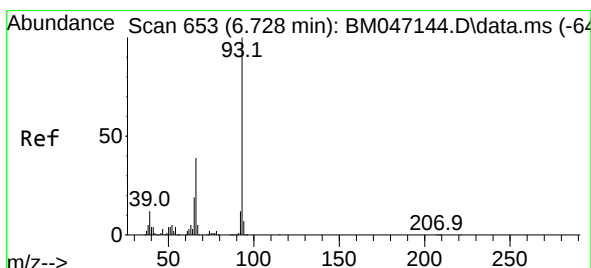
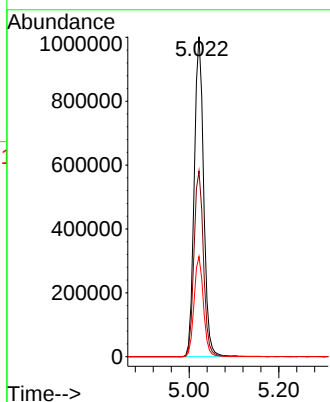
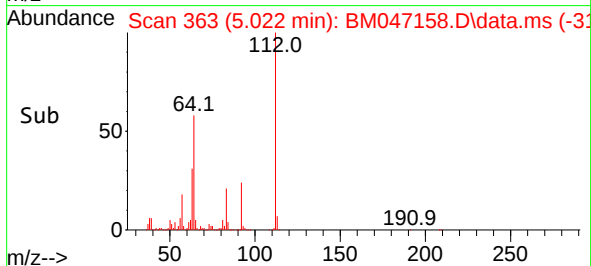
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion: 112 Resp: 146039
Ion Ratio Lower Upper
112 100
64 58.0 46.7 70.1
63 31.3 24.8 37.2

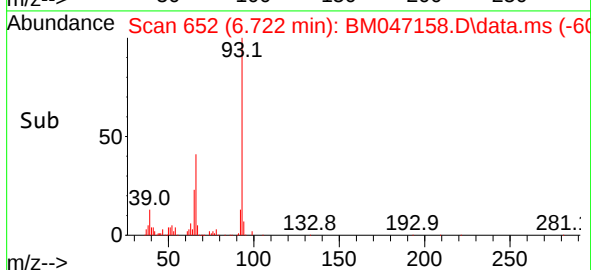
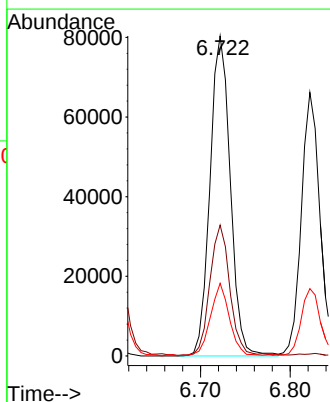
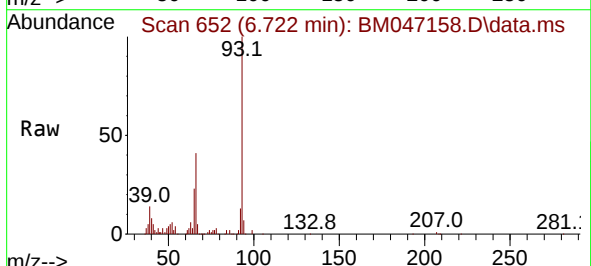
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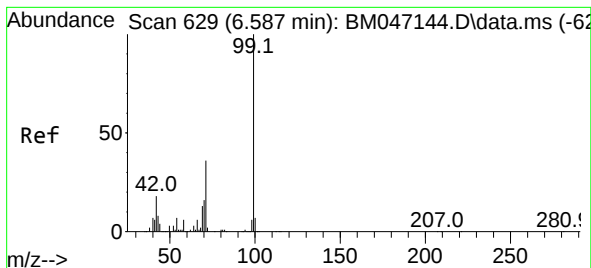
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#6
Aniline
Concen: 6.850 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion: 93 Resp: 126539
Ion Ratio Lower Upper
93 100
66 40.9 31.4 47.2
65 22.7 15.6 23.4





#7

Phenol-d6

Concen: 101.407 ng

RT: 6.581 min Scan# 61

Delta R.T. -0.006 min

Lab File: BM047158.D

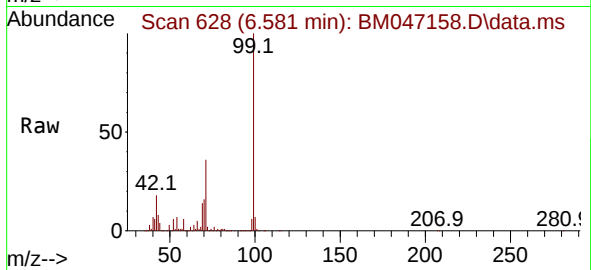
Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion: 99 Resp: 198178

Ion Ratio Lower Upper

99 100

42 18.1 14.1 21.1

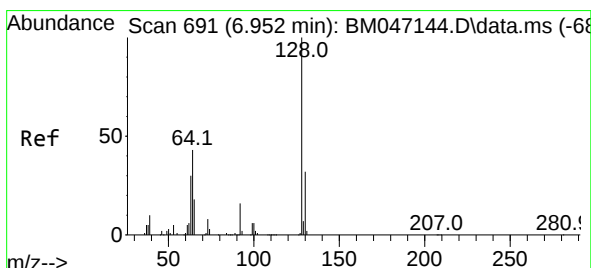
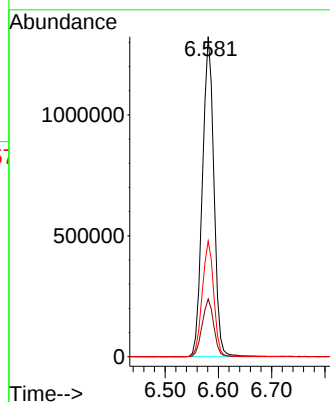
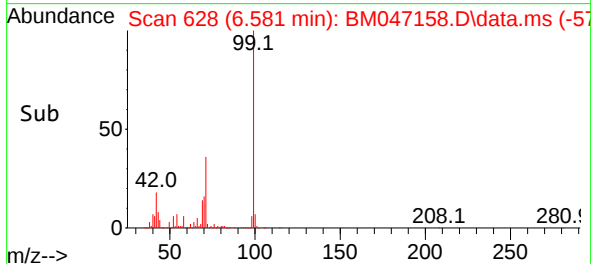
71 36.2 28.5 42.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#8

2-Chlorophenol

Concen: 5.528 ng

RT: 6.945 min Scan# 690

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

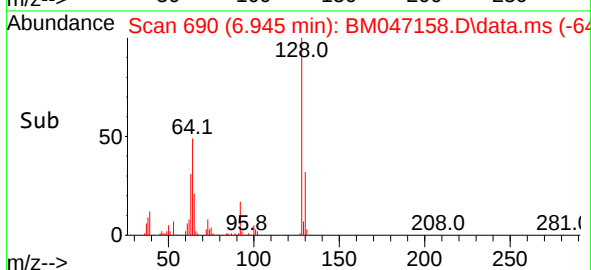
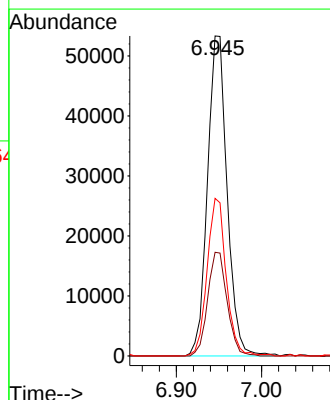
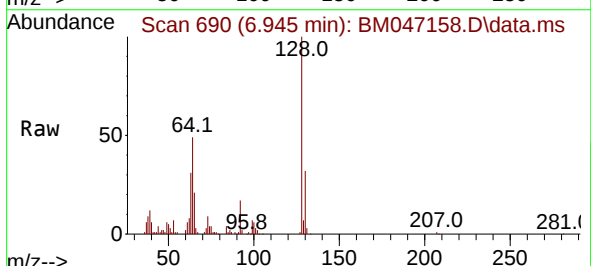
Tgt Ion:128 Resp: 85508

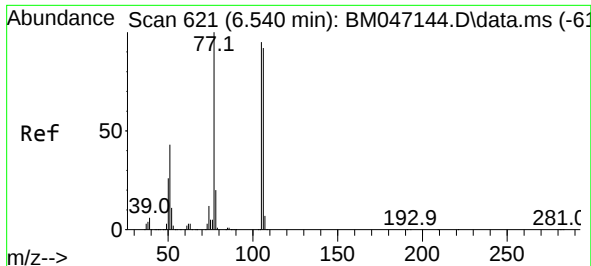
Ion Ratio Lower Upper

128 100

130 32.4 12.1 52.1

64 49.3 26.6 66.6





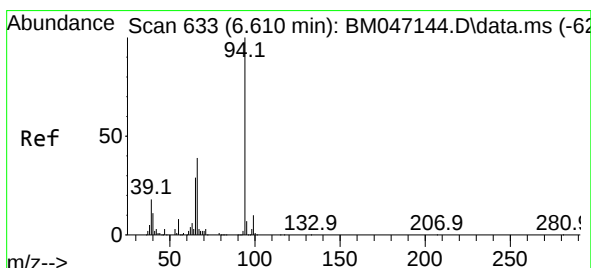
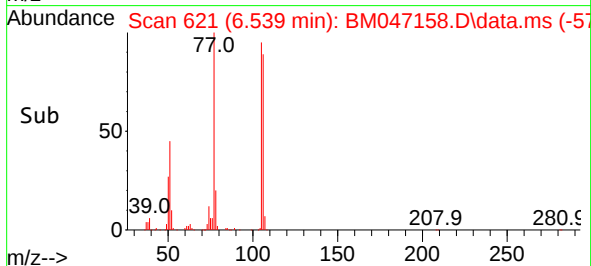
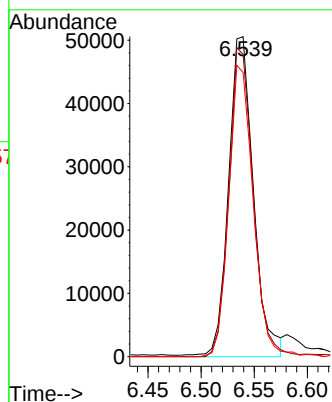
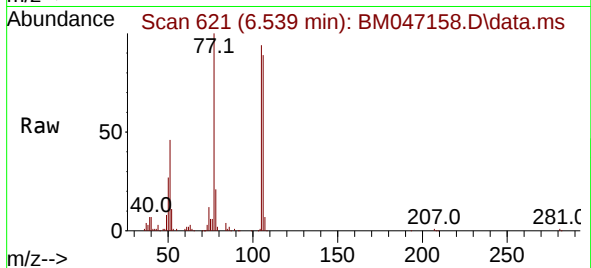
#9
Benzaldehyde
Concen: 5.586 ng m
RT: 6.539 min Scan# 61
Delta R.T. -0.001 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion: 77 Resp: 8262
Ion Ratio Lower Upper
77 100
105 94.5 74.5 114.5
106 88.8 72.3 112.3

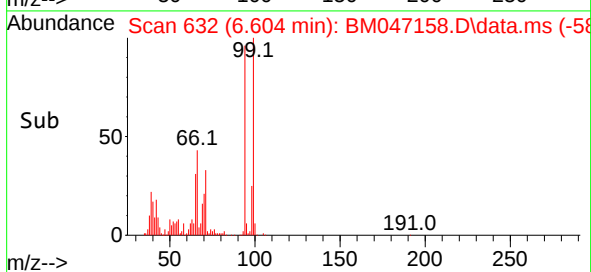
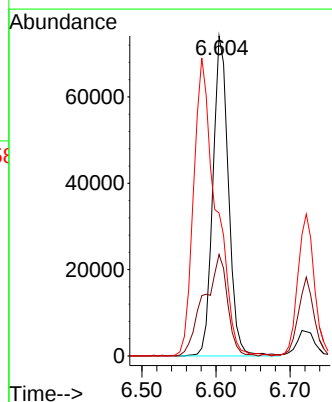
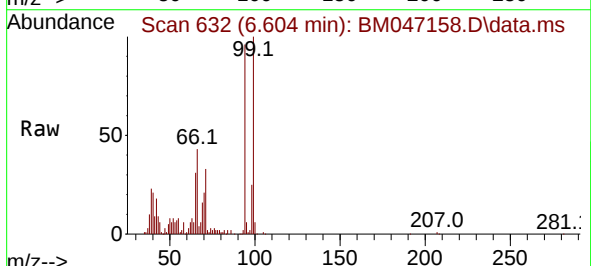
Manual Integrations
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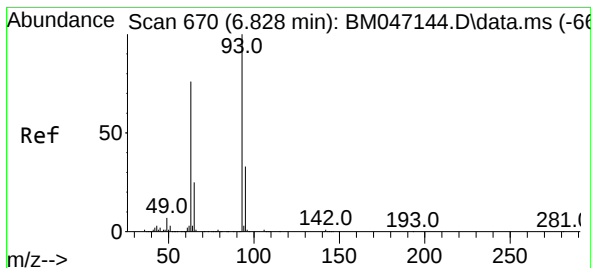
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#10
Phenol
Concen: 5.547 ng
RT: 6.604 min Scan# 632
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

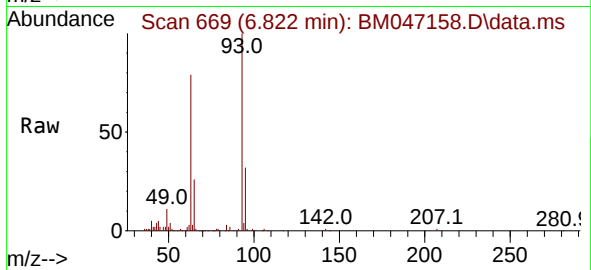
Tgt Ion: 94 Resp: 108167
Ion Ratio Lower Upper
94 100
65 31.7 9.0 49.0
66 44.7 18.9 58.9





#11
bis(2-Chloroethyl)ether
Concen: 5.794 ng
RT: 6.822 min Scan# 669
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

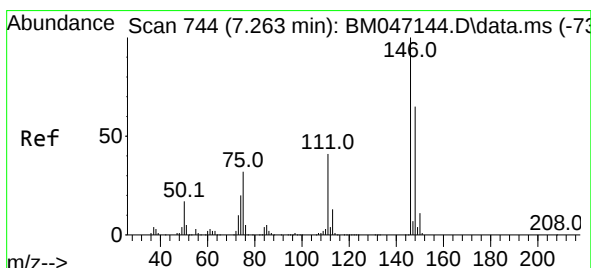
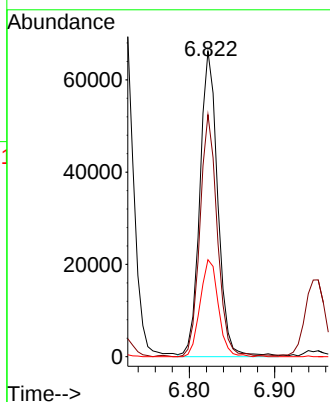
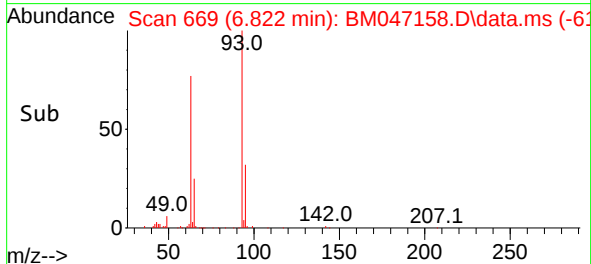
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion: 93 Resp: 96768
Ion Ratio Lower Upper
93 100
63 79.3 55.8 95.8
95 31.7 12.7 52.7

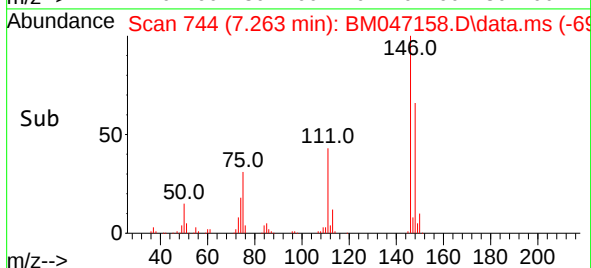
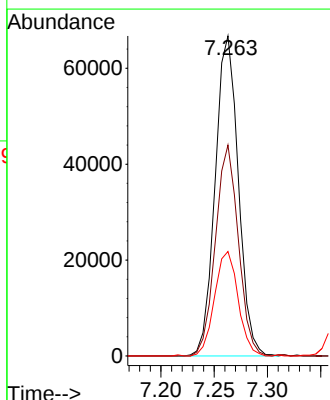
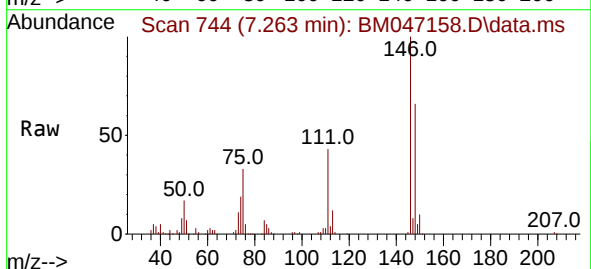
Manual Integrations
APPROVED

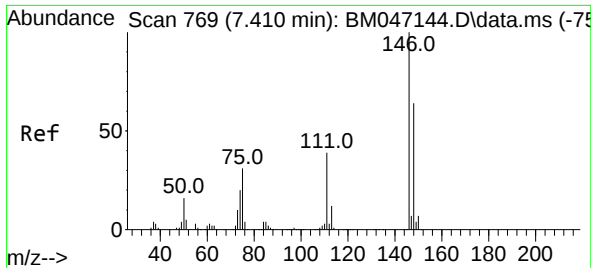
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#12
1,3-Dichlorobenzene
Concen: 5.485 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Tgt Ion:146 Resp: 100825
Ion Ratio Lower Upper
146 100
148 65.9 52.3 78.5
75 32.6 25.8 38.6





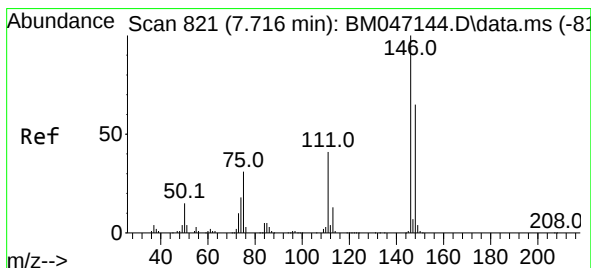
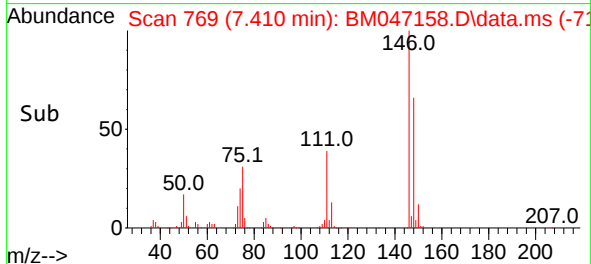
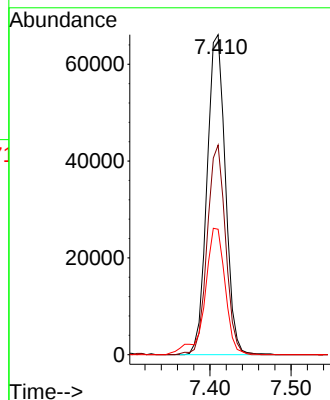
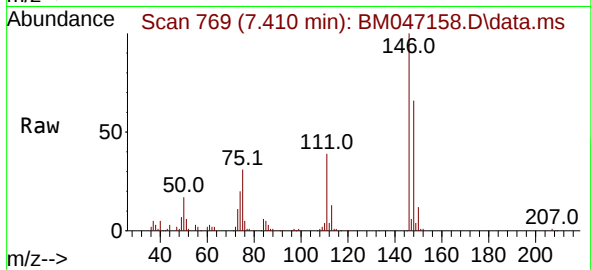
#13
1,4-Dichlorobenzene
Concen: 5.571 ng
RT: 7.410 min Scan# 769
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:146 Resp: 103678
Ion Ratio Lower Upper
146 100
148 65.5 51.4 77.2
111 39.2 31.5 47.3

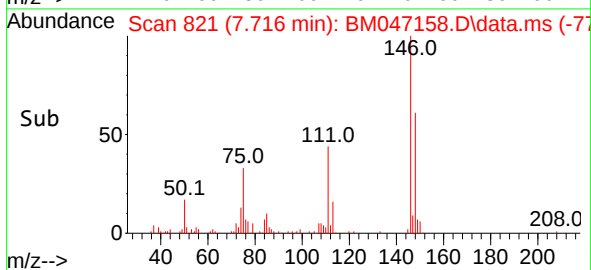
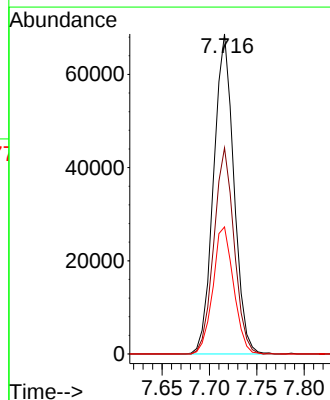
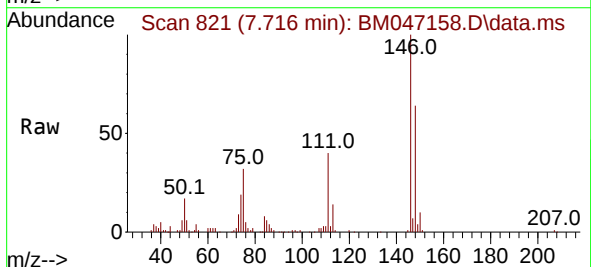
Manual Integrations
APPROVED

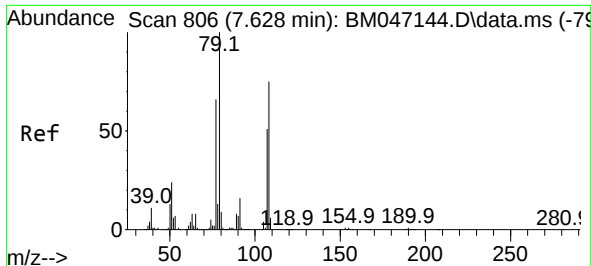
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#14
1,2-Dichlorobenzene
Concen: 5.811 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

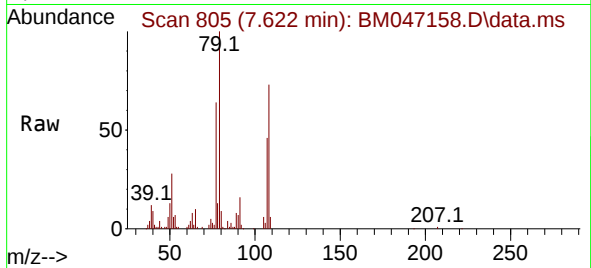
Tgt Ion:146 Resp: 102037
Ion Ratio Lower Upper
146 100
148 64.4 51.8 77.8
111 39.7 33.3 49.9





#15
Benzyl Alcohol
Concen: 5.909 ng
RT: 7.622 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

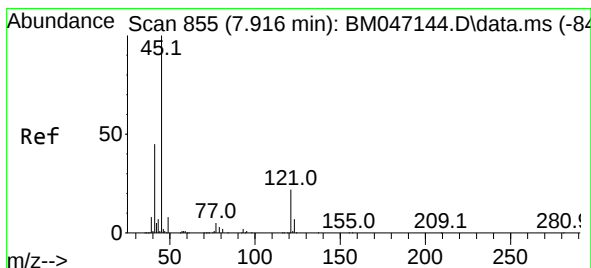
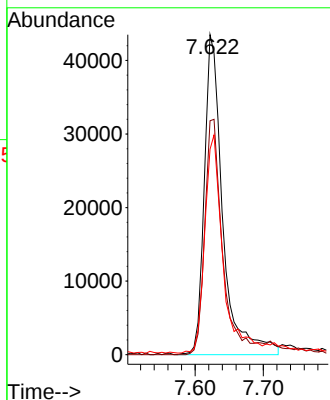
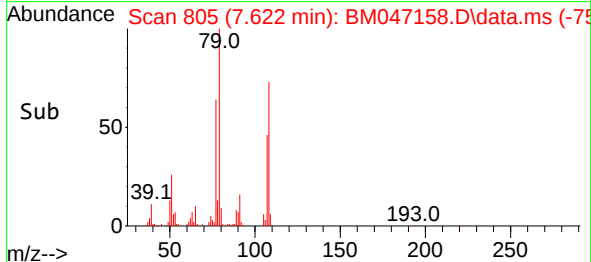
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



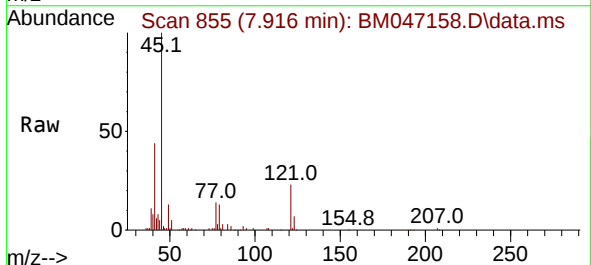
Tgt Ion: 79 Resp: 8218
Ion Ratio Lower Upper
79 100
108 73.1 59.7 89.5
77 64.2 52.9 79.3

Manual Integrations
APPROVED

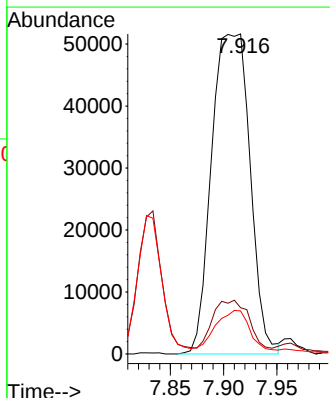
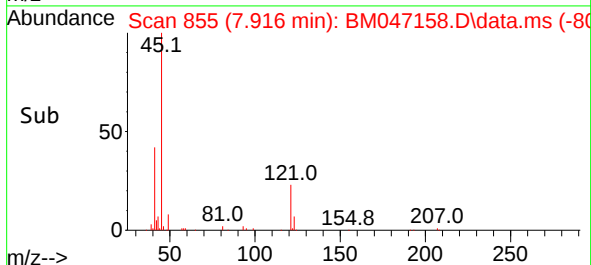
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

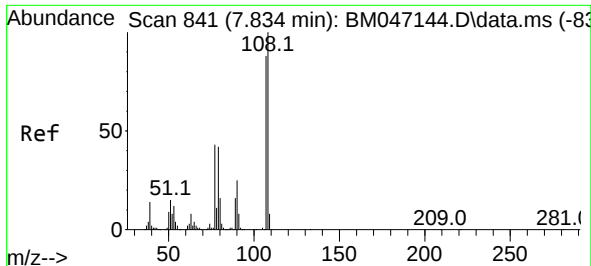


#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.046 ng
RT: 7.916 min Scan# 855
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39



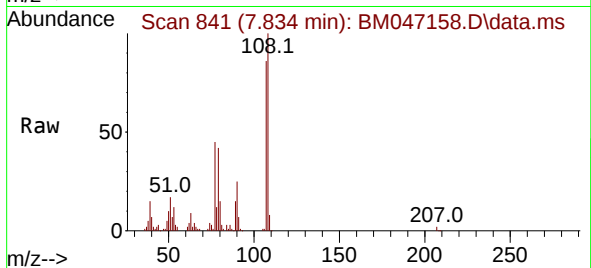
Tgt Ion: 45 Resp: 129550
Ion Ratio Lower Upper
45 100
77 14.5 0.0 35.6
79 13.4 0.0 32.4





#17
2-Methylphenol
Concen: 5.438 ng
RT: 7.834 min Scan# 841
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

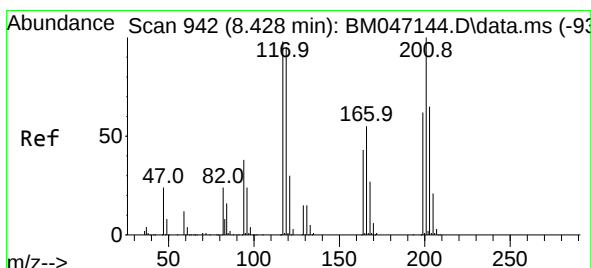
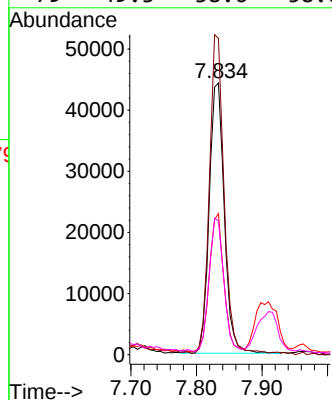
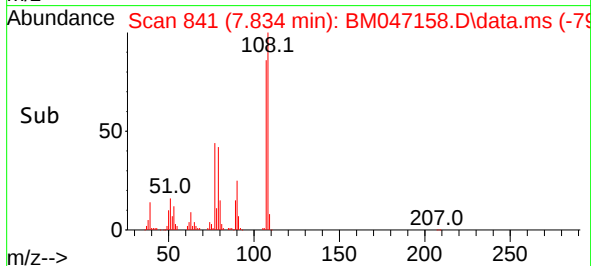
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:	107	Resp:	7074
Ion Ratio	Lower	Upper	
107	100		
108	116.4	90.6	135.8
77	52.0	39.3	58.9
79	49.3	38.6	58.0

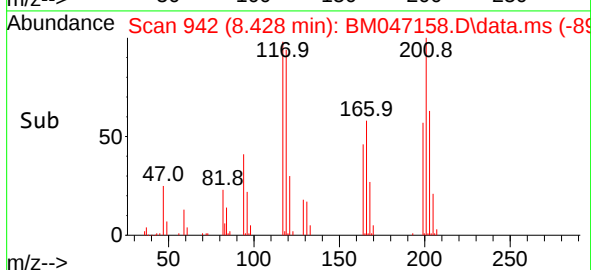
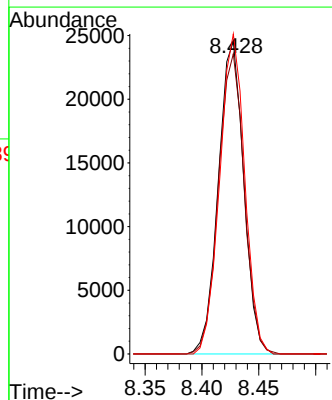
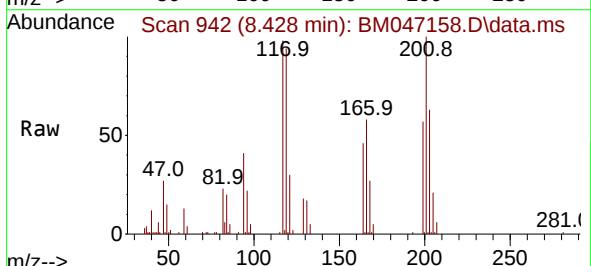
Manual Integrations
APPROVED

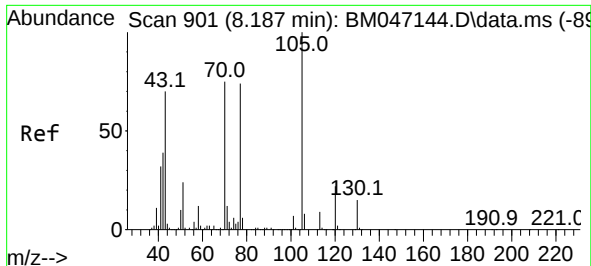
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#18
Hexachloroethane
Concen: 5.294 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

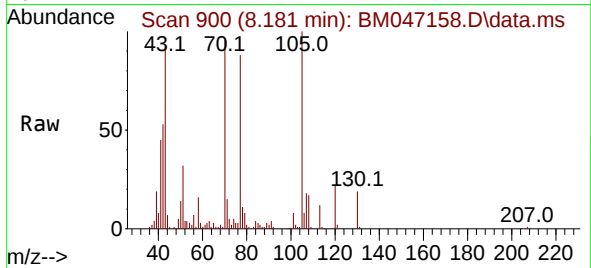
Tgt Ion:	117	Resp:	38163
Ion Ratio	Lower	Upper	
117	100		
119	96.1	77.0	115.4
201	102.4	81.3	121.9





#19
n-Nitroso-di-n-propylamine
Concen: 6.140 ng
RT: 8.181 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

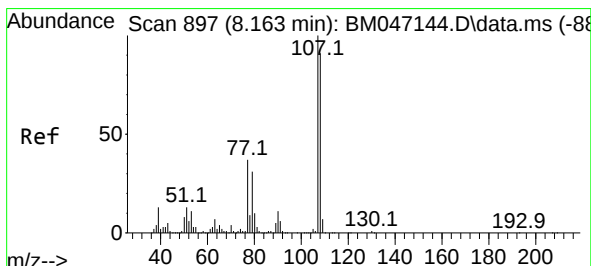
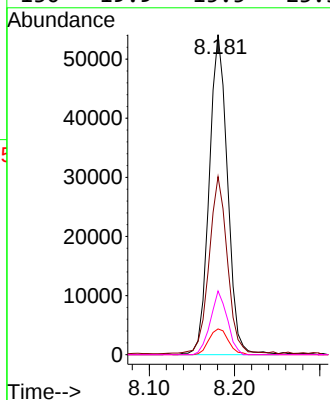
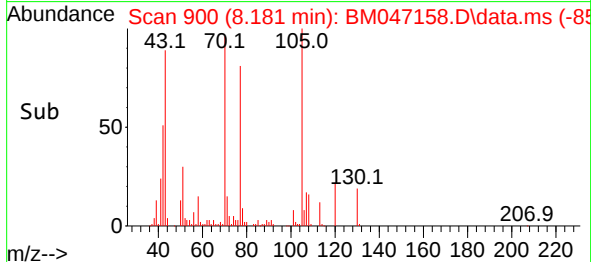
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion: 70 Resp: 8082
Ion Ratio Lower Upper
70 100
42 55.7 42.0 63.0
101 8.0 7.2 10.8
130 19.9 15.5 23.3

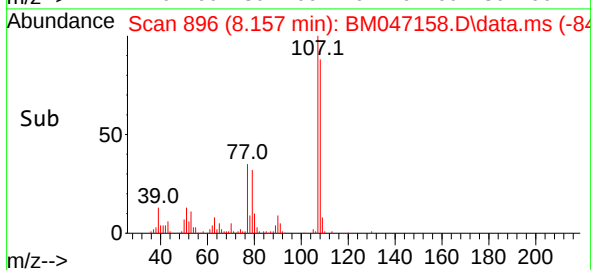
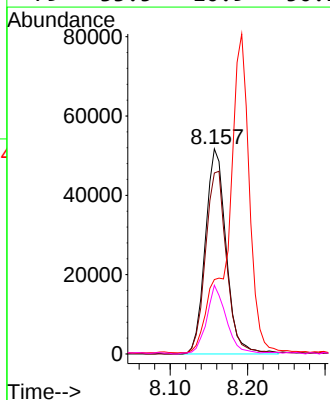
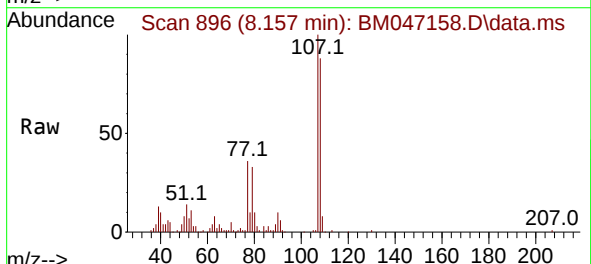
Manual Integrations
APPROVED

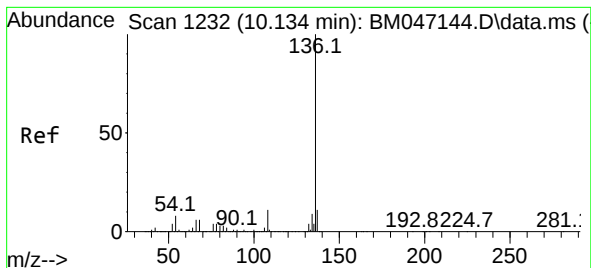
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#20
3+4-Methylphenols
Concen: 5.299 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

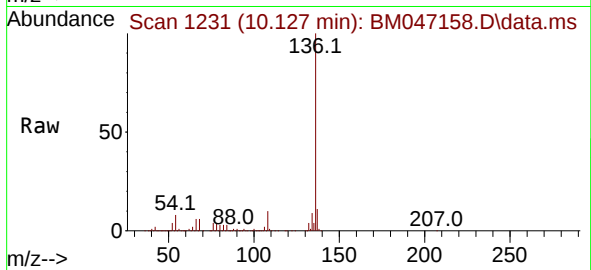
Tgt Ion:107 Resp: 96381
Ion Ratio Lower Upper
107 100
108 88.2 70.7 110.7
77 36.3 17.4 57.4
79 33.5 10.9 50.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.127 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

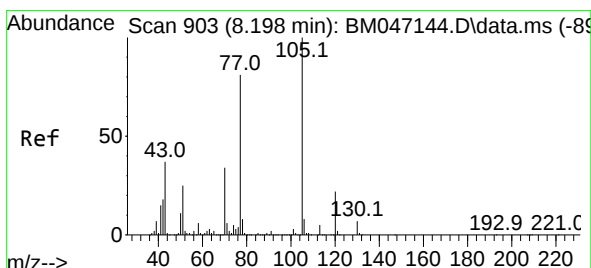
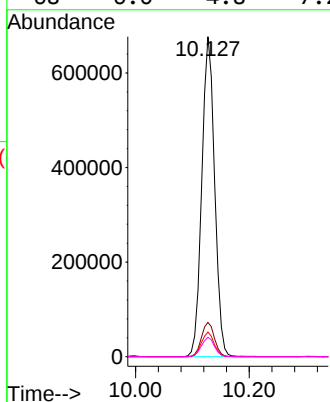
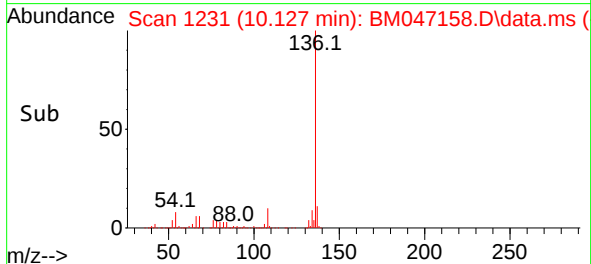
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2024



Tgt Ion:136 Resp: 105873
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.7 6.0 9.0
68 6.0 4.8 7.2

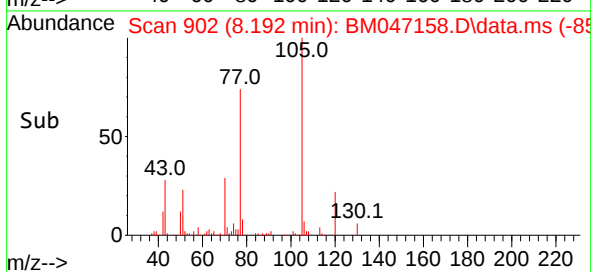
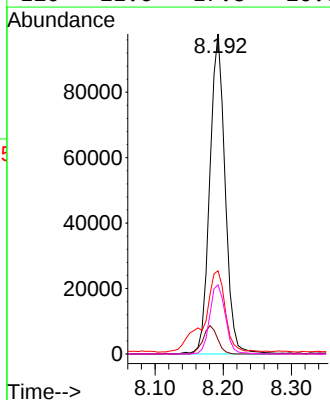
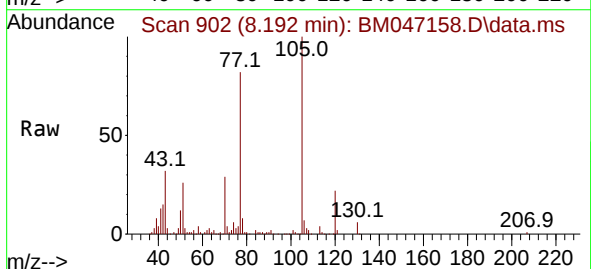
Manual Integrations
APPROVED

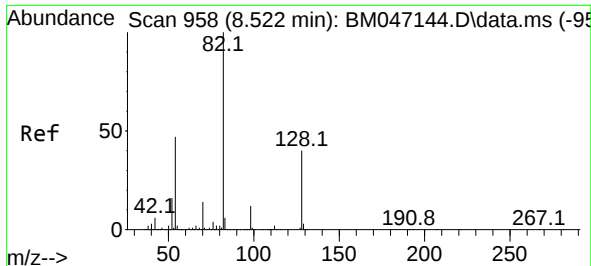
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#22
Acetophenone
Concen: 5.996 ng
RT: 8.192 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

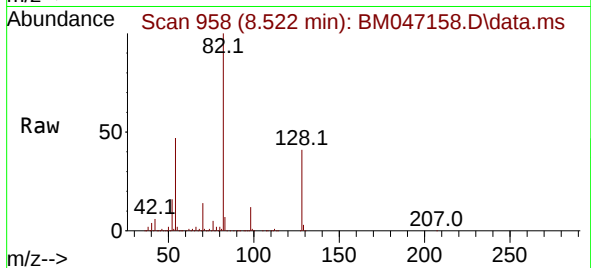
Tgt Ion:105 Resp: 153243
Ion Ratio Lower Upper
105 100
71 4.5 4.5 6.7
51 26.0 20.1 30.1
120 21.6 17.8 26.6





#23
Nitrobenzene-d5
Concen: 86.083 ng
RT: 8.522 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

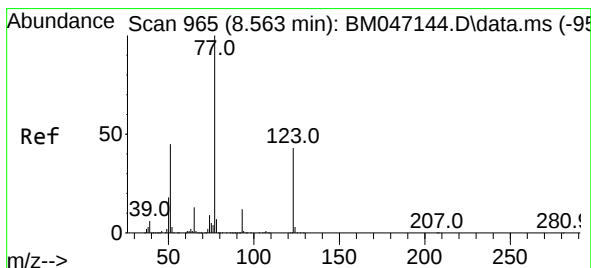
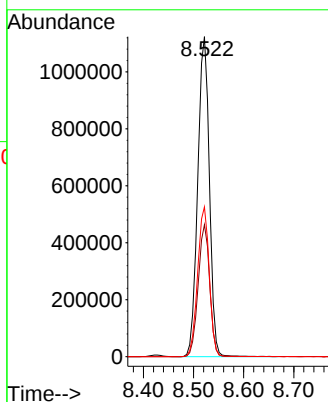
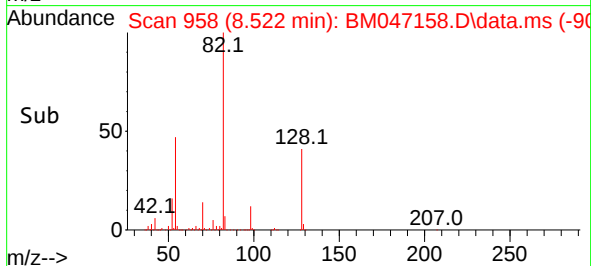
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



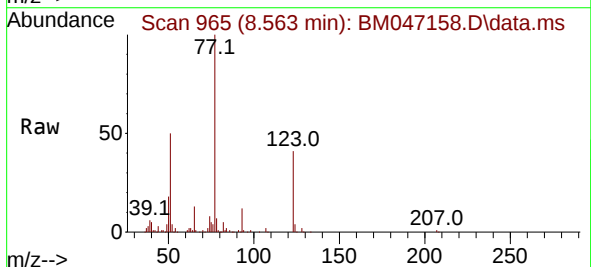
Tgt Ion: 82 Resp: 180998
Ion Ratio Lower Upper
82 100
128 41.2 32.3 48.5
54 46.8 37.4 56.2

Manual Integrations
APPROVED

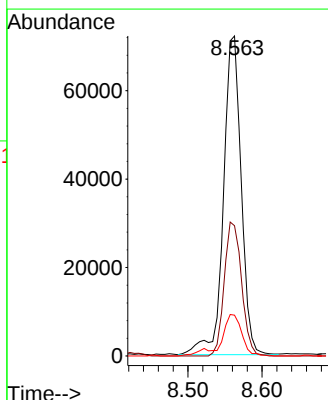
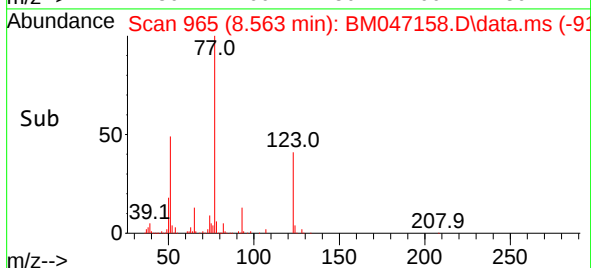
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

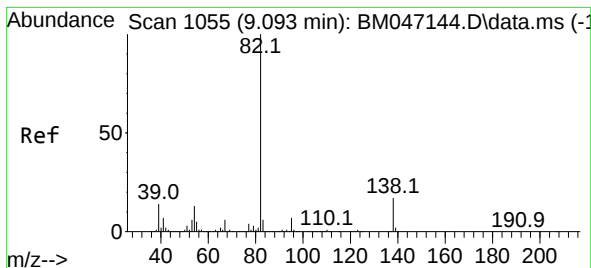


#24
Nitrobenzene
Concen: 5.668 ng
RT: 8.563 min Scan# 965
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39



Tgt Ion: 77 Resp: 120012
Ion Ratio Lower Upper
77 100
123 40.7 34.0 51.0
65 12.8 10.5 15.7





#25

Isophorone

Concen: 5.773 ng

RT: 9.086 min Scan# 1054

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

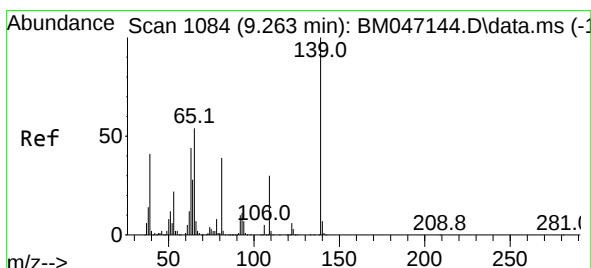
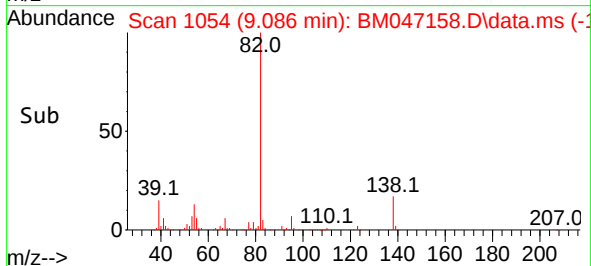
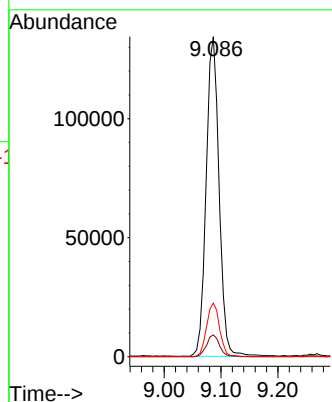
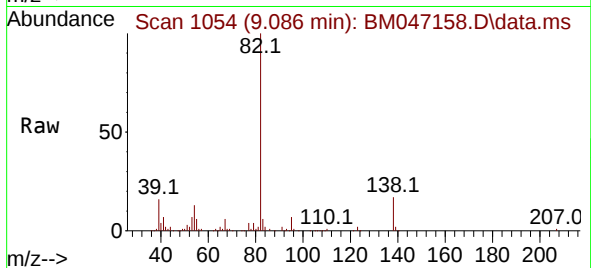
Tgt Ion:	82	Resp:	21135
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.5	8.3
138	16.7	13.5	20.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#26

2-Nitrophenol

Concen: 4.641 ng

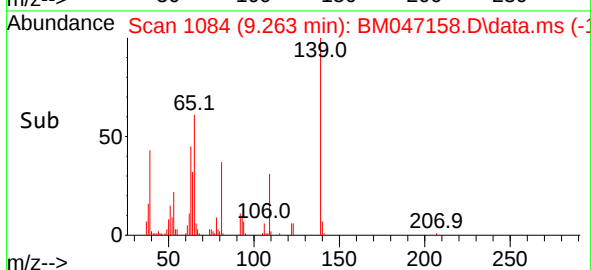
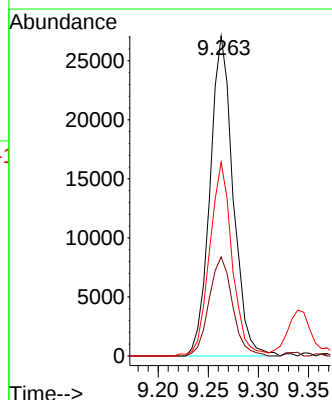
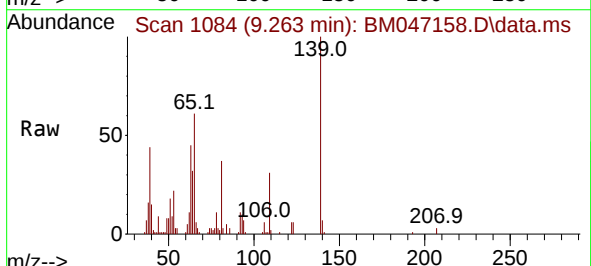
RT: 9.263 min Scan# 1084

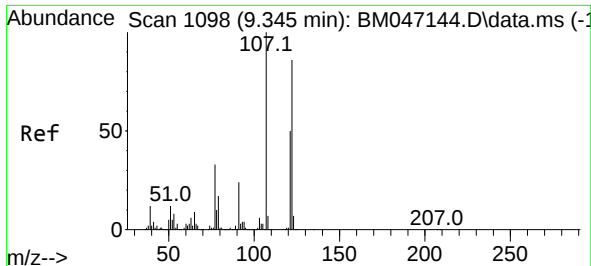
Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

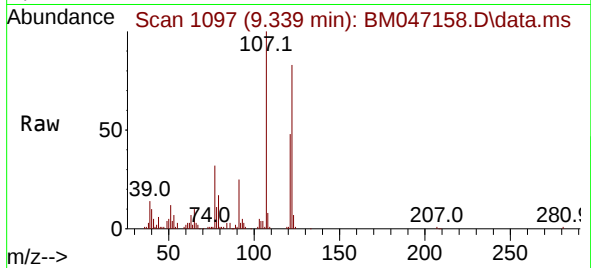
Tgt Ion:	139	Resp:	43513
Ion Ratio	Lower	Upper	
139	100		
109	30.9	24.4	36.6
65	60.5	43.0	64.6





#27
2,4-Dimethylphenol
Concen: 4.770 ng
RT: 9.339 min Scan# 1097
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

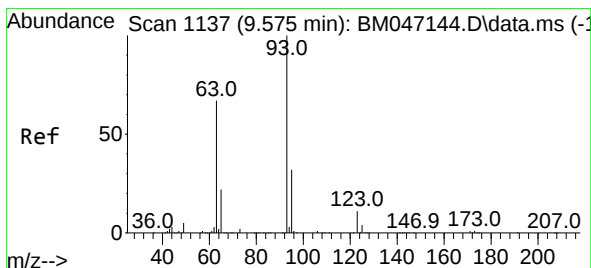
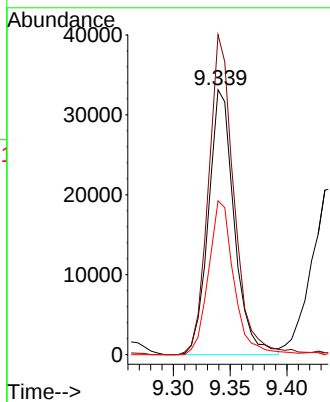
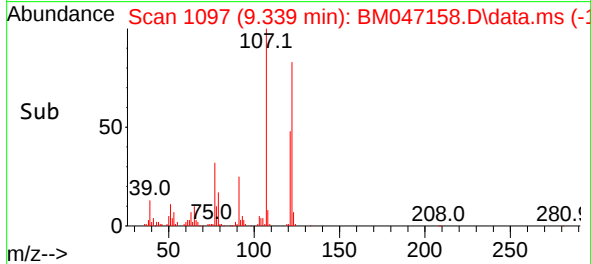
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:122 Resp: 52392
Ion Ratio Lower Upper
122 100
107 120.8 92.8 139.2
121 58.1 46.1 69.1

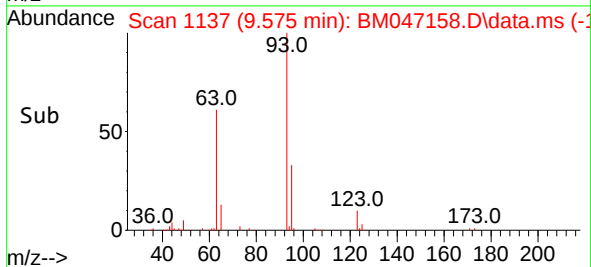
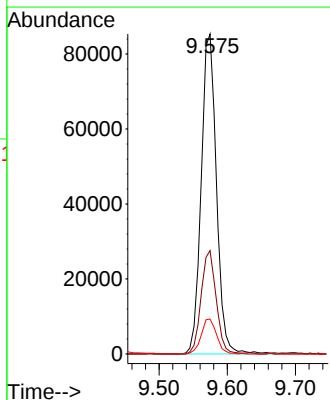
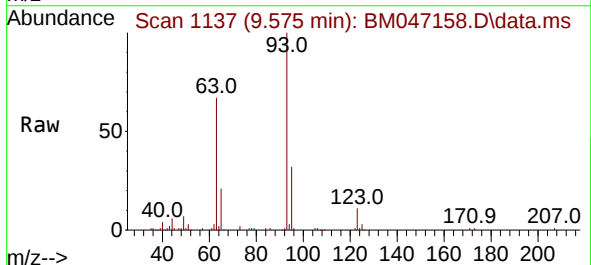
Manual Integrations
APPROVED

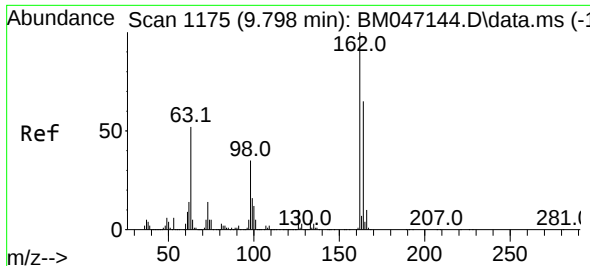
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#28
bis(2-Chloroethoxy)methane
Concen: 5.770 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

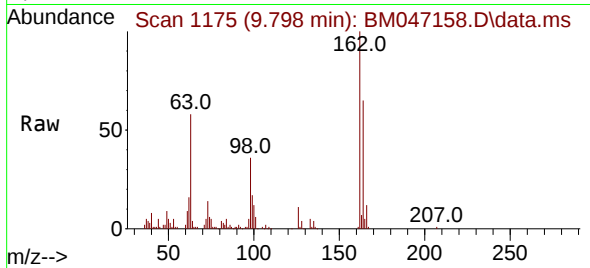
Tgt Ion: 93 Resp: 132918
Ion Ratio Lower Upper
93 100
95 32.3 25.8 38.8
123 10.9 9.0 13.4





#29
2,4-Dichlorophenol
Concen: 5.057 ng
RT: 9.798 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

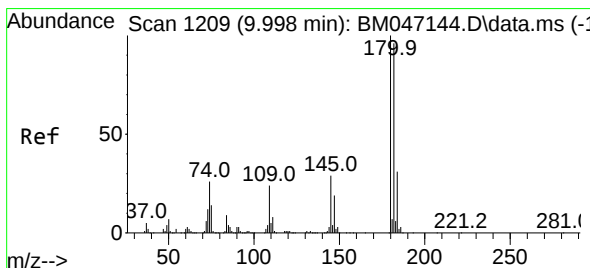
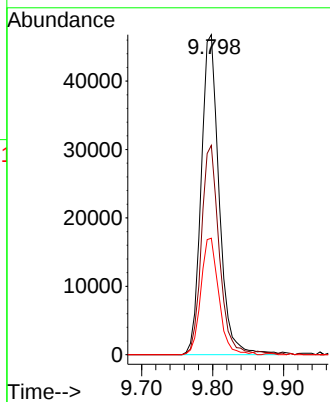
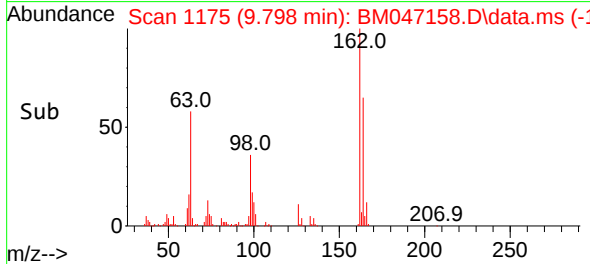
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:162 Resp: 8242
Ion Ratio Lower Upper
162 100
164 65.4 44.7 84.7
98 36.4 14.9 54.9

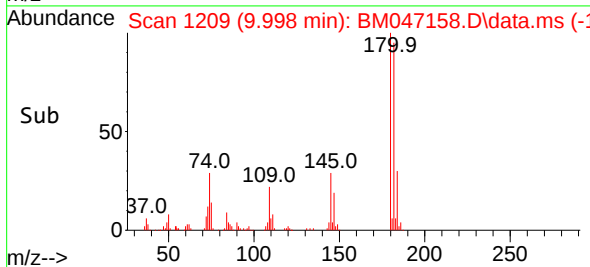
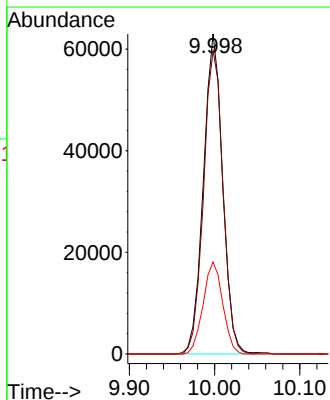
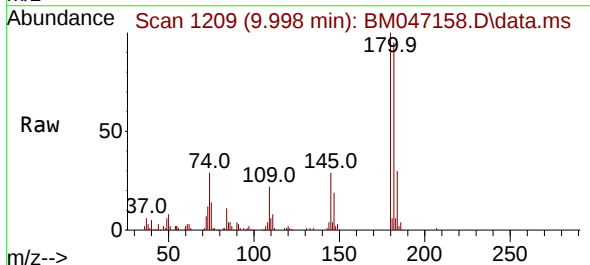
Manual Integrations
APPROVED

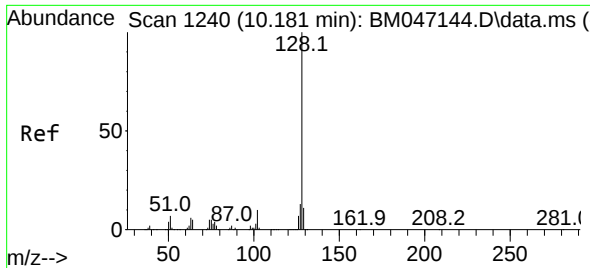
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#30
1,2,4-Trichlorobenzene
Concen: 5.344 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

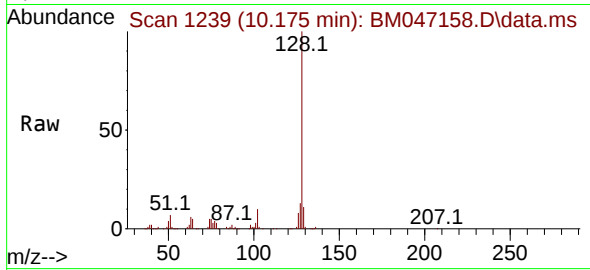
Tgt Ion:180 Resp: 98561
Ion Ratio Lower Upper
180 100
182 94.8 76.6 115.0
145 28.7 23.4 35.2





#31
Naphthalene
Concen: 5.611 ng
RT: 10.175 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

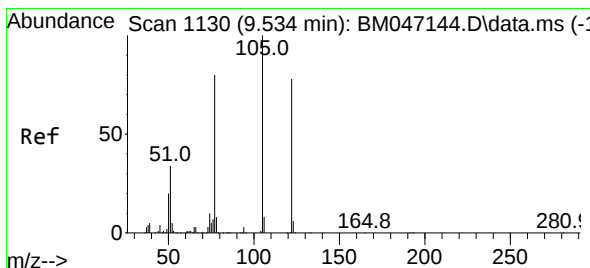
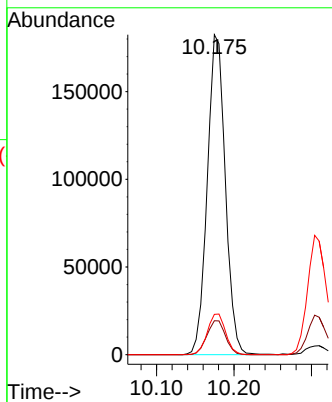
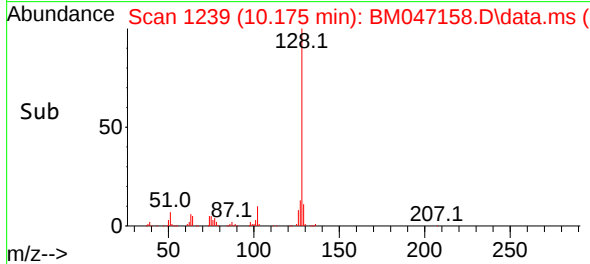
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:128 Resp: 295962
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 12.6 10.2 15.4

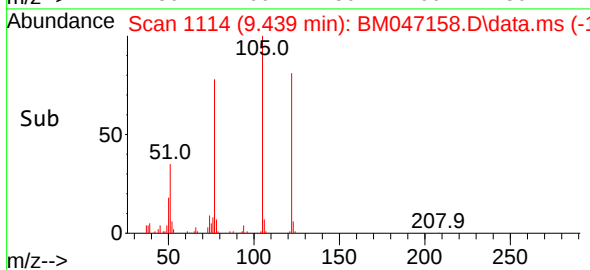
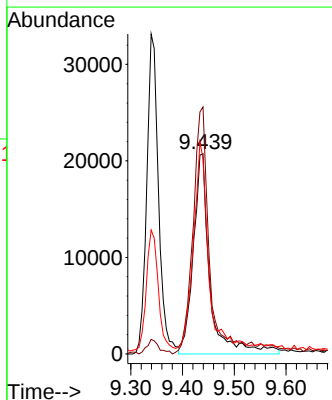
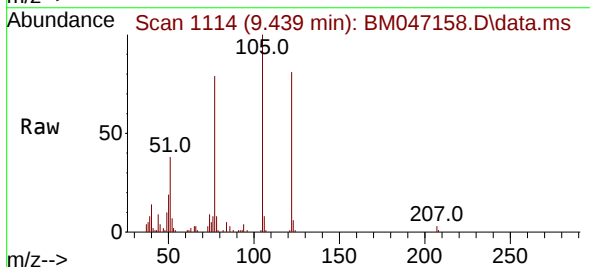
Manual Integrations
APPROVED

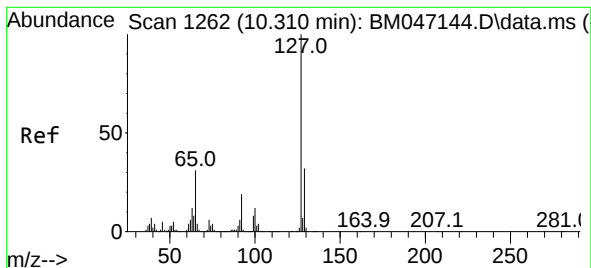
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#32
Benzoic acid
Concen: 3.609 ng m
RT: 9.439 min Scan# 1114
Delta R.T. -0.094 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

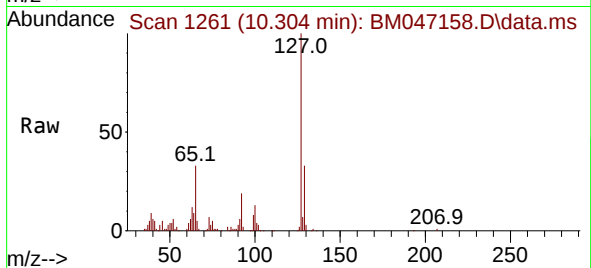
Tgt Ion:122 Resp: 46050
Ion Ratio Lower Upper
122 100
105 123.4 107.1 147.1
77 97.7 82.1 122.1





#33
4-Chloroaniline
Concen: 5.915 ng
RT: 10.304 min Scan# 1261
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

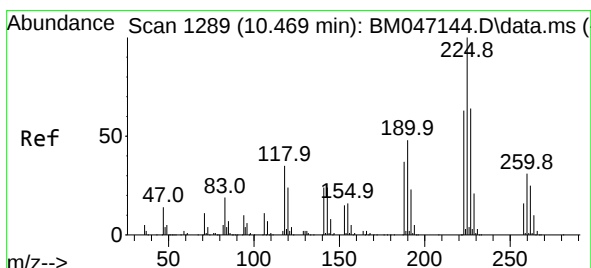
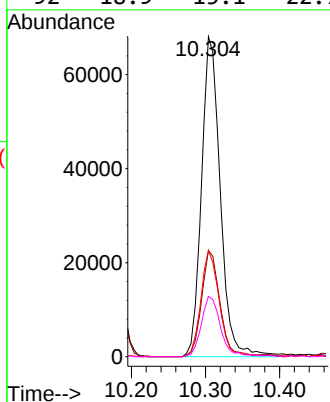
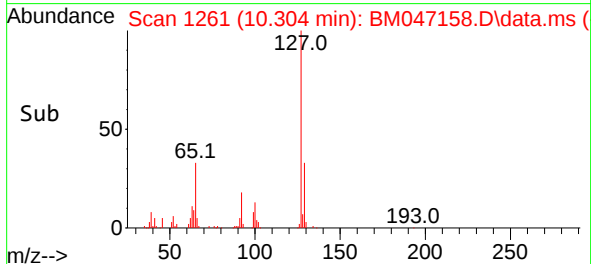
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion	Ratio	Lower	Upper
127	100		
129	33.2	25.8	38.8
65	33.3	24.9	37.3
92	18.9	15.1	22.7

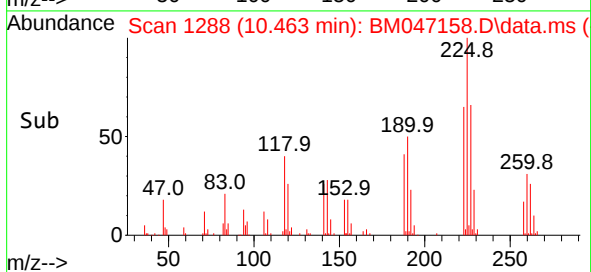
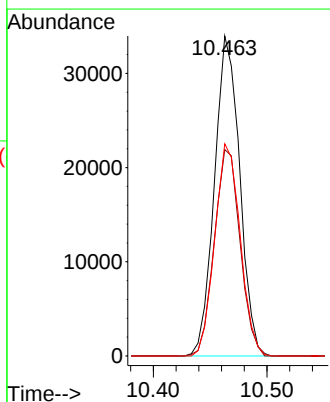
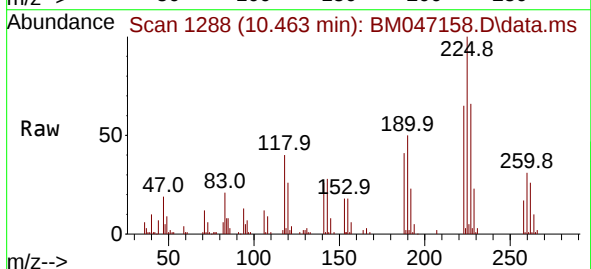
Manual Integrations
APPROVED

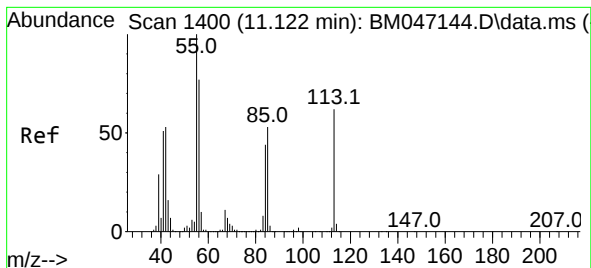
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#34
Hexachlorobutadiene
Concen: 4.861 ng
RT: 10.463 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

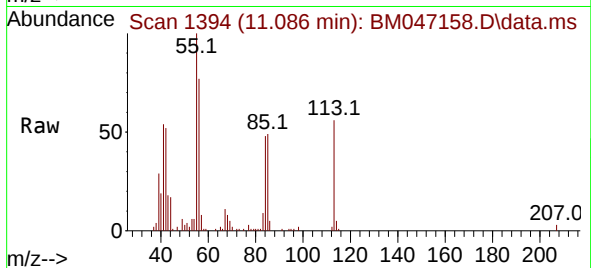
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.2	75.2
227	66.3	51.4	77.0





#35
Caprolactam
Concen: 5.338 ng
RT: 11.086 min Scan# 11394
Delta R.T. -0.036 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

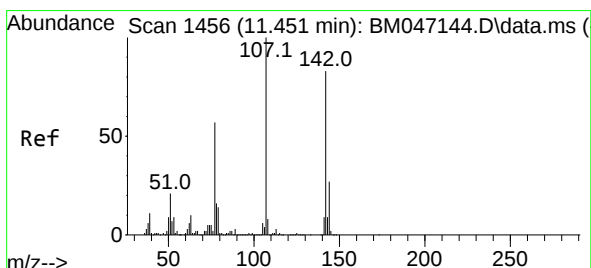
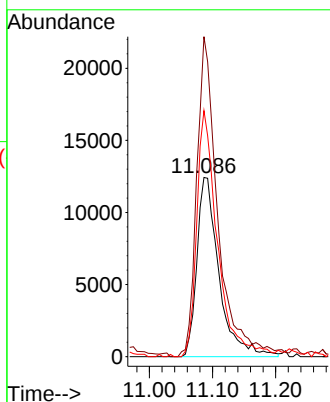
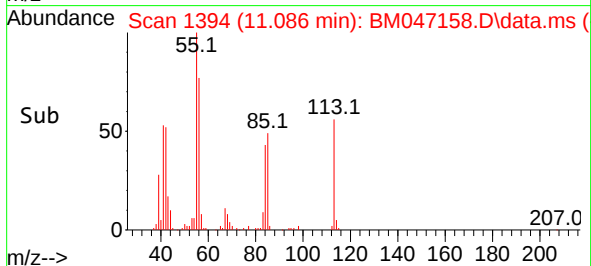
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



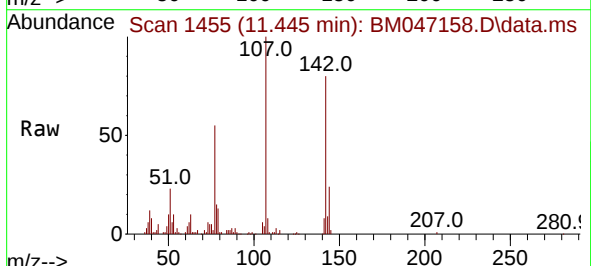
Tgt Ion:113 Resp: 30209
Ion Ratio Lower Upper
113 100
55 178.6 140.5 180.5
56 137.3 103.6 143.6

Manual Integrations
APPROVED

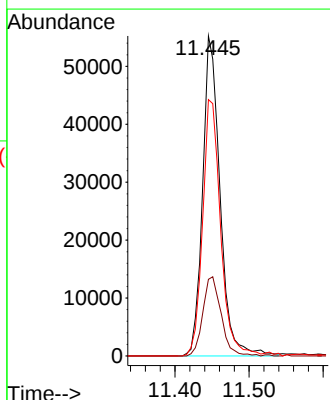
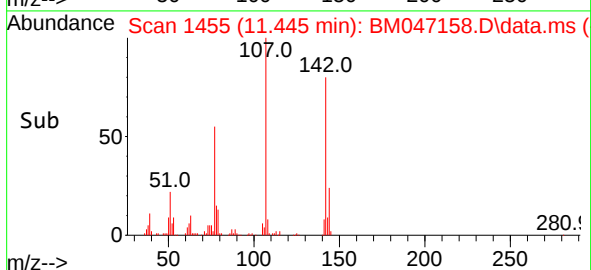
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

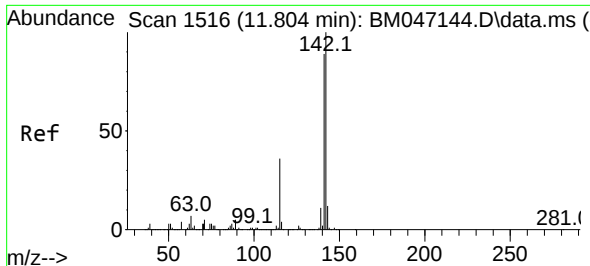


#36
4-Chloro-3-methylphenol
Concen: 5.210 ng
RT: 11.445 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39



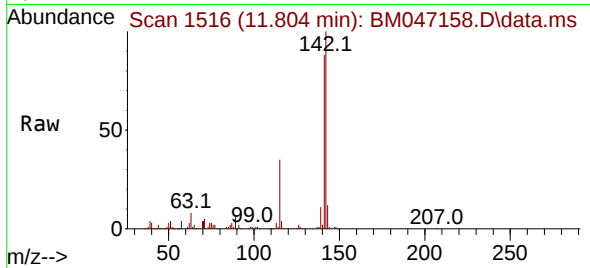
Tgt Ion:107 Resp: 90423
Ion Ratio Lower Upper
107 100
144 24.0 21.8 32.6
142 80.1 66.8 100.2





#37
2-Methylnaphthalene
Concen: 5.556 ng
RT: 11.804 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

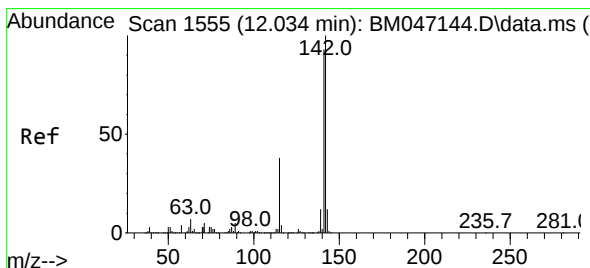
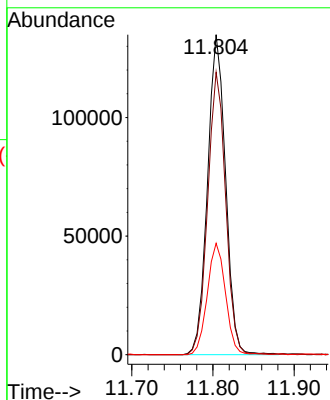
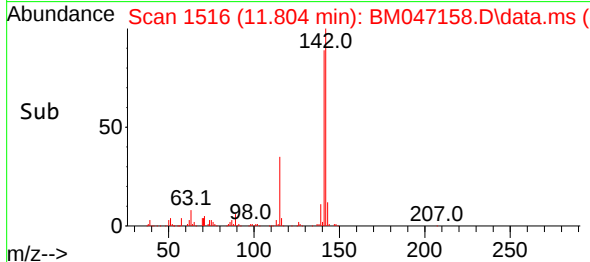
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



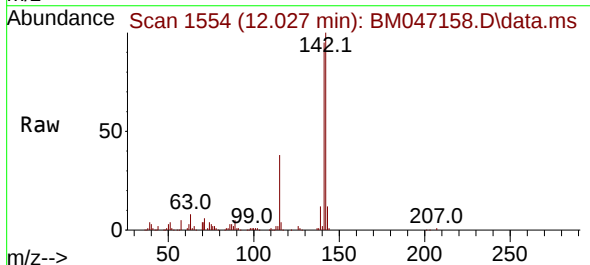
Tgt Ion:142 Resp: 20864
Ion Ratio Lower Upper
142 100
141 88.2 70.9 106.3
115 34.8 28.7 43.1

Manual Integrations
APPROVED

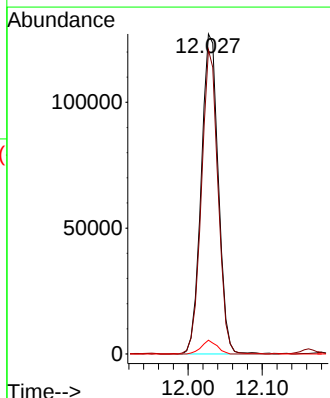
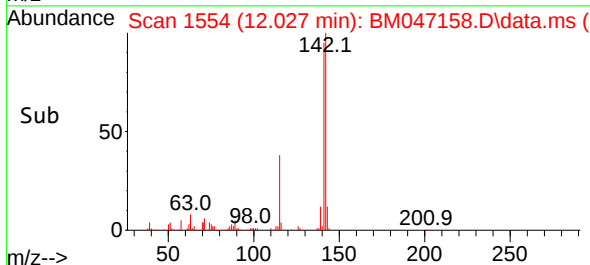
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

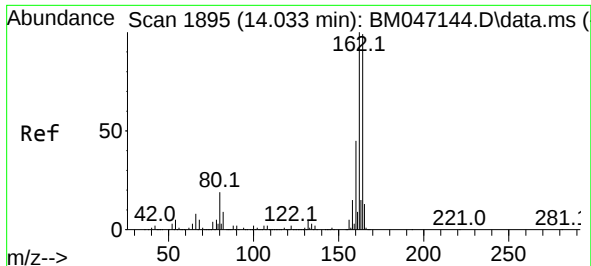


#38
1-Methylnaphthalene
Concen: 5.487 ng
RT: 12.027 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39



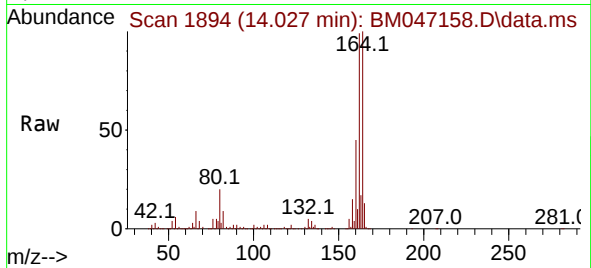
Tgt Ion:142 Resp: 203657
Ion Ratio Lower Upper
142 100
141 95.0 74.6 111.8
116 4.3 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.027 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

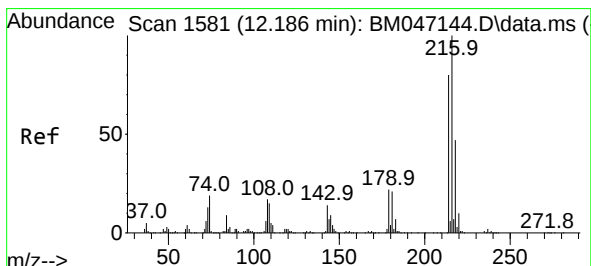
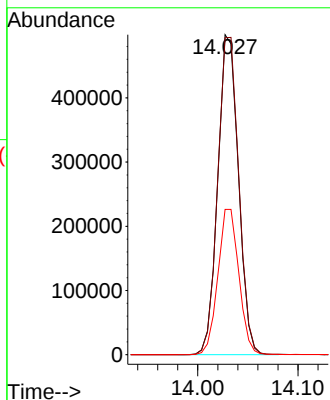
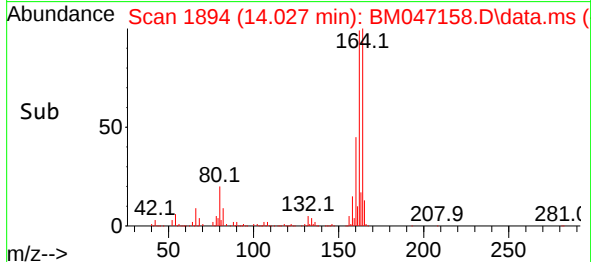
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:164 Resp: 711311
Ion Ratio Lower Upper
164 100
162 99.1 80.7 121.1
160 45.4 36.0 54.0

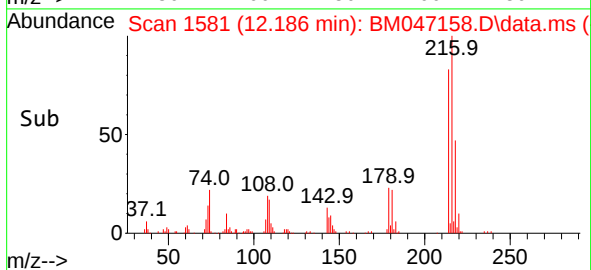
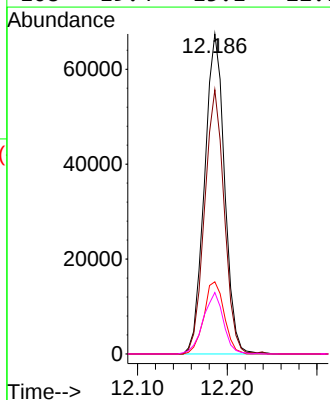
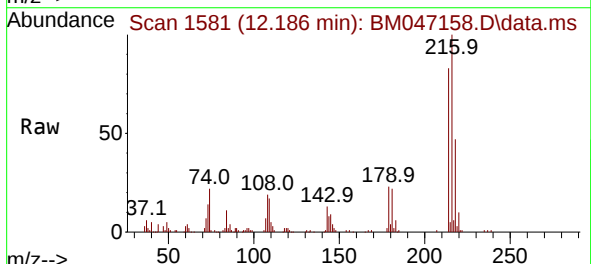
Manual Integrations
APPROVED

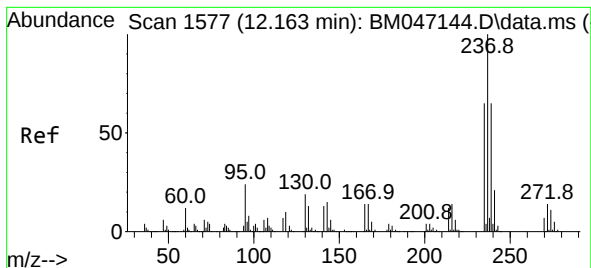
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.387 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

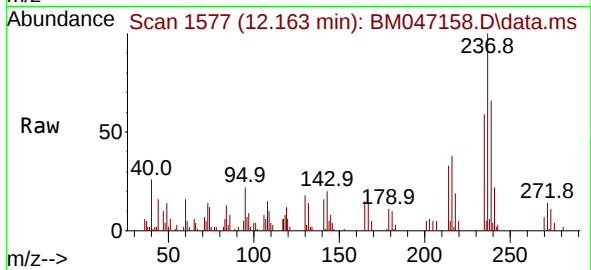
Tgt Ion:216 Resp: 104507
Ion Ratio Lower Upper
216 100
214 81.1 63.4 95.2
179 22.9 17.6 26.4
108 19.4 15.1 22.7





#41
Hexachlorocyclopentadiene
Concen: 2.624 ng
RT: 12.163 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

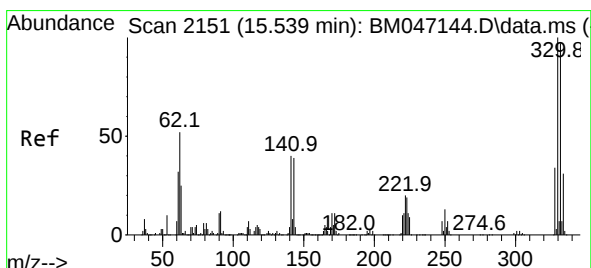
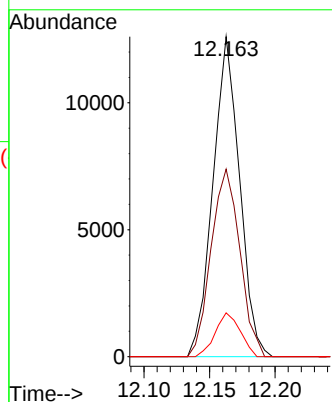
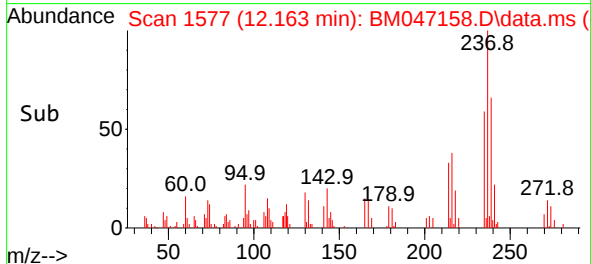
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



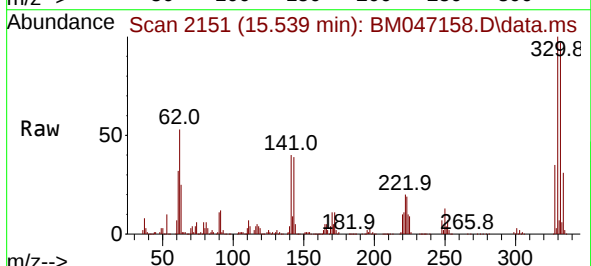
Tgt Ion:237 Resp: 17774
Ion Ratio Lower Upper
237 100
235 58.6 44.8 84.8
272 13.7 0.0 33.5

Manual Integrations
APPROVED

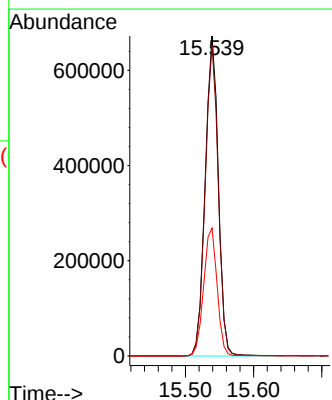
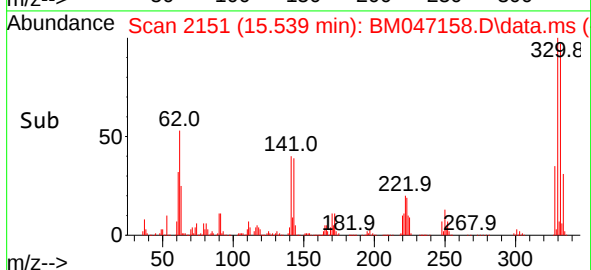
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

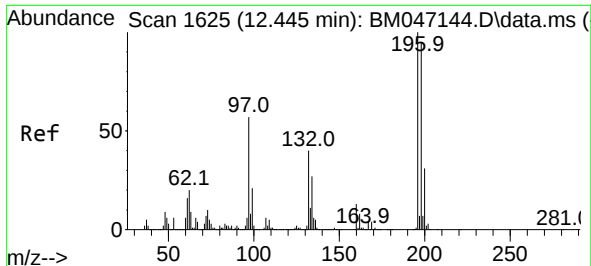


#42
2,4,6-Tribromophenol
Concen: 109.510 ng
RT: 15.539 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39



Tgt Ion:330 Resp: 903214
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.2
141 40.9 31.6 47.4





#43

2,4,6-Trichlorophenol

Concen: 4.928 ng

RT: 12.445 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047158.D

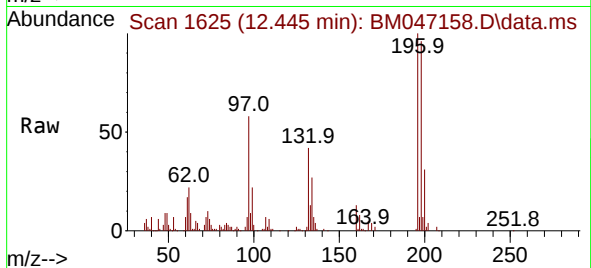
Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion:196 Resp: 6796

Ion Ratio Lower Upper

196 100

198 96.4 75.6 113.4

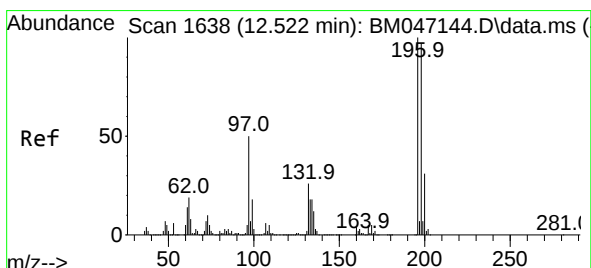
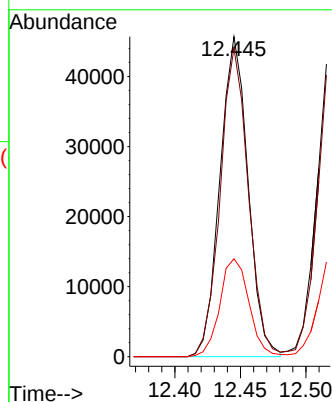
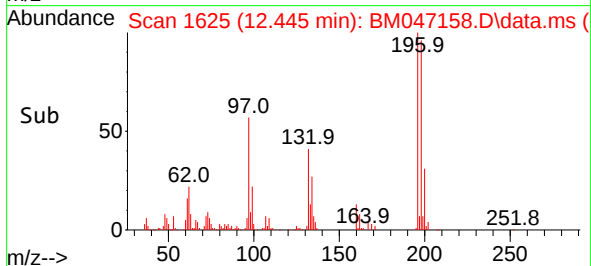
200 30.6 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#44

2,4,5-Trichlorophenol

Concen: 4.998 ng

RT: 12.521 min Scan# 1638

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Tgt Ion:196 Resp: 76530

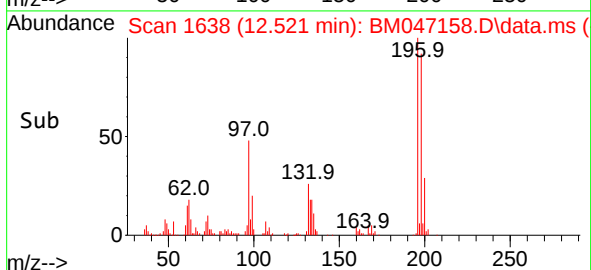
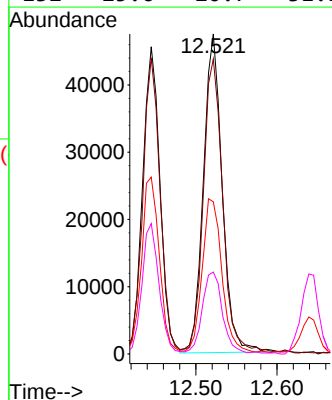
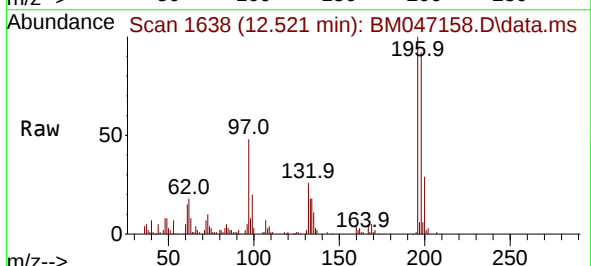
Ion Ratio Lower Upper

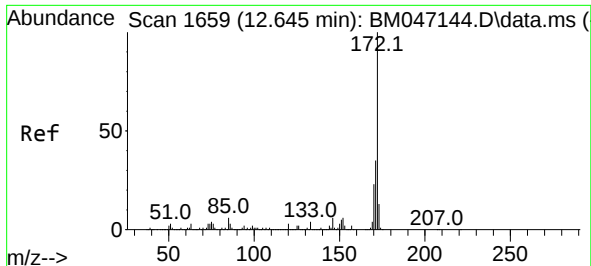
196 100

198 92.1 77.7 116.5

97 47.5 39.8 59.8

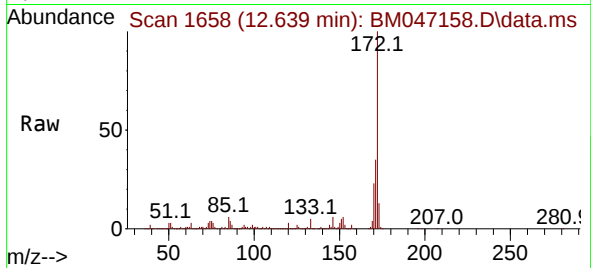
132 25.6 20.7 31.1





#45
2-Fluorobiphenyl
Concen: 85.903 ng
RT: 12.639 min Scan# 1658
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

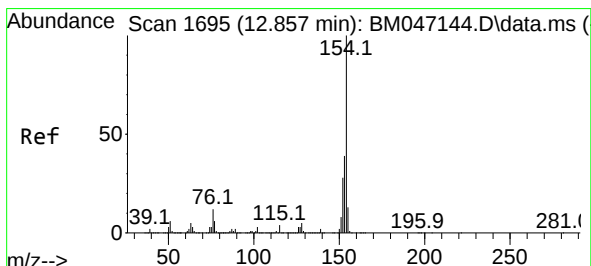
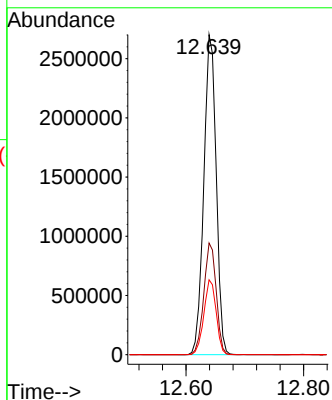
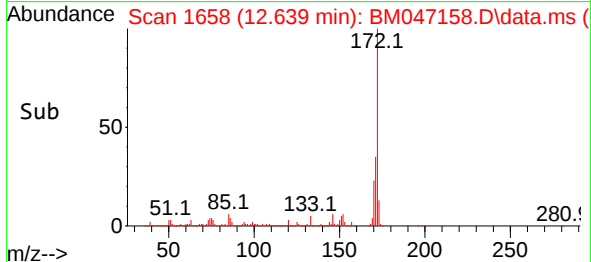
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



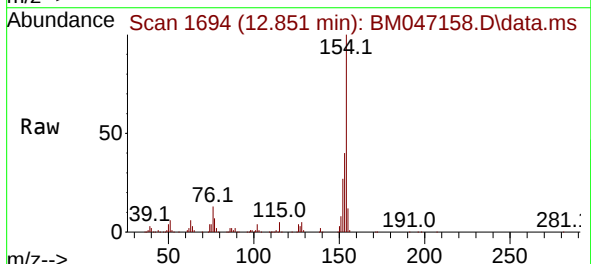
Tgt Ion:172 Resp: 396126
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 23.4 18.7 28.1

Manual Integrations
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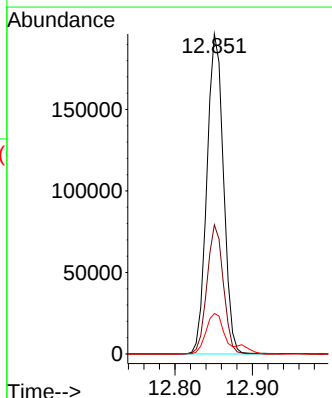
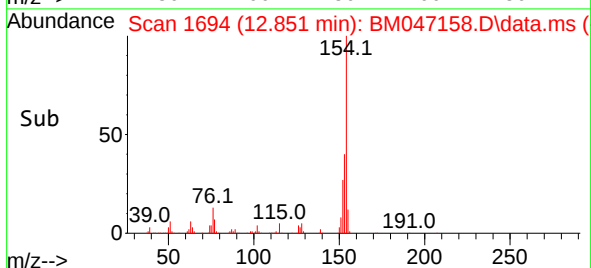
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

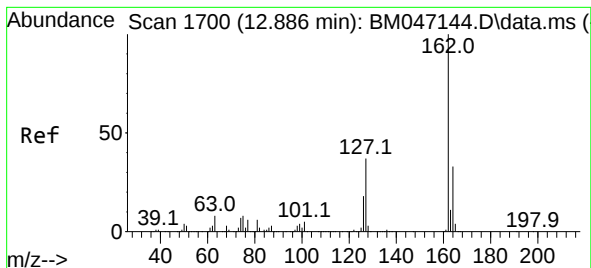


#46
1,1'-Biphenyl
Concen: 5.749 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39



Tgt Ion:154 Resp: 291151
Ion Ratio Lower Upper
154 100
153 40.3 19.0 59.0
76 12.7 0.0 31.9





#47

2-Chloronaphthalene

Concen: 5.688 ng

RT: 12.886 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

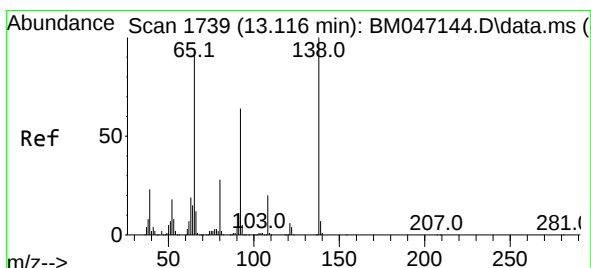
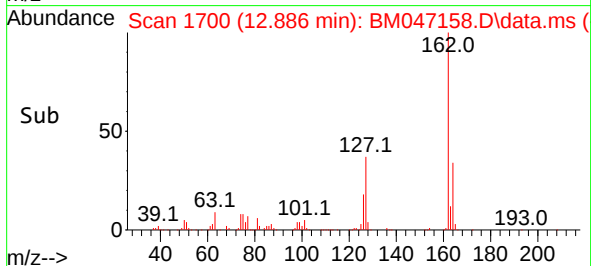
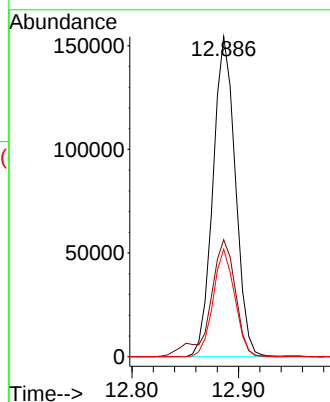
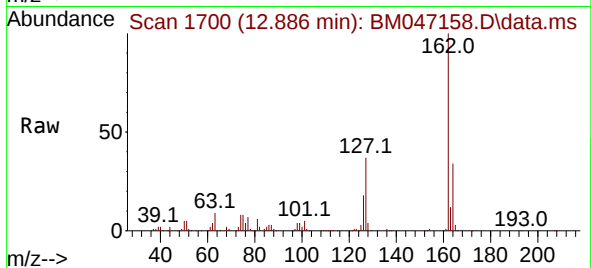
Tgt Ion:	162	Resp:	22513
Ion Ratio	Lower	Upper	
162	100		
127	36.6	30.0	45.0
164	33.6	26.3	39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#48

2-Nitroaniline

Concen: 5.195 ng

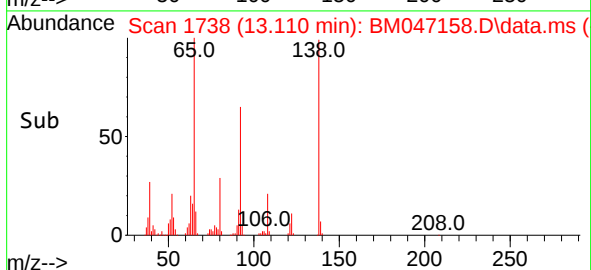
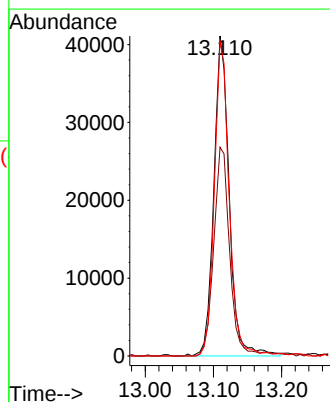
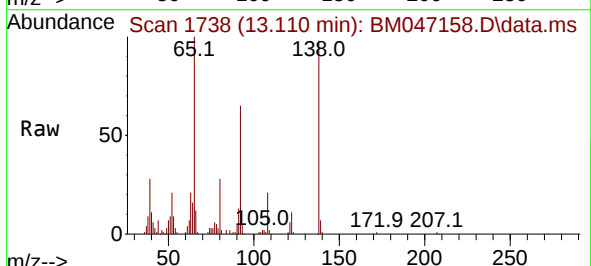
RT: 13.110 min Scan# 1738

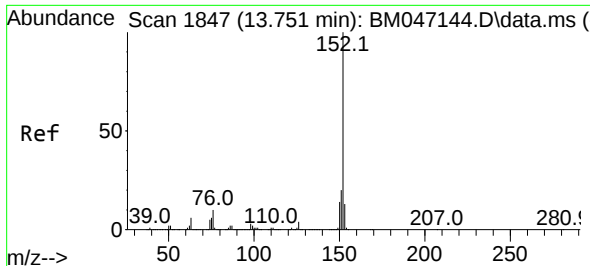
Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

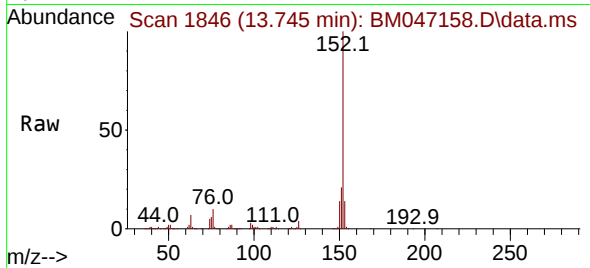
Tgt Ion:	65	Resp:	64418
Ion Ratio	Lower	Upper	
65	100		
92	65.2	55.1	82.7
138	98.2	85.9	128.9





#49
Acenaphthylene
Concen: 6.264 ng
RT: 13.745 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

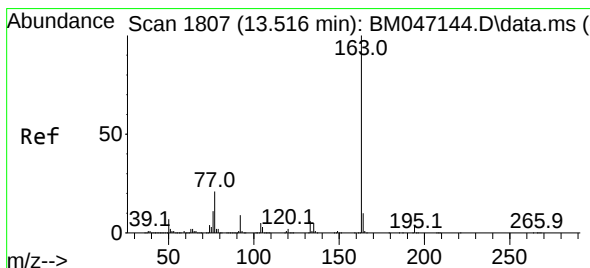
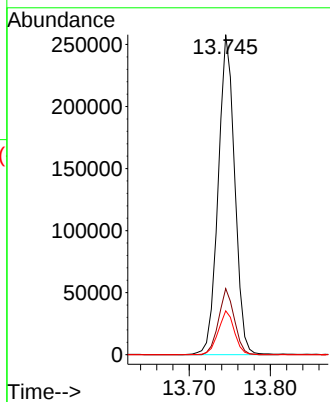
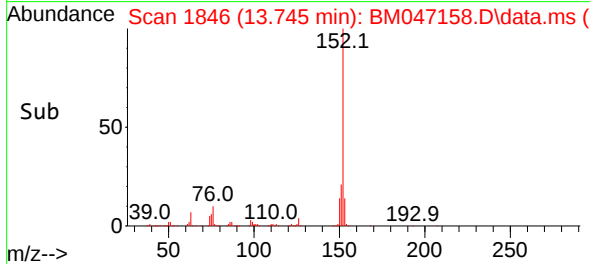
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



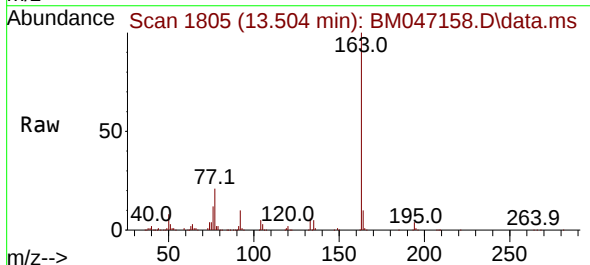
Tgt Ion:152 Resp: 365444
Ion Ratio Lower Upper
152 100
151 20.6 15.8 23.6
153 13.7 10.4 15.6

Manual Integrations
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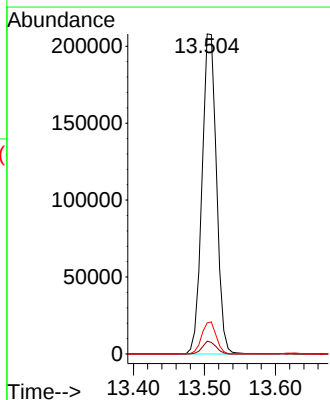
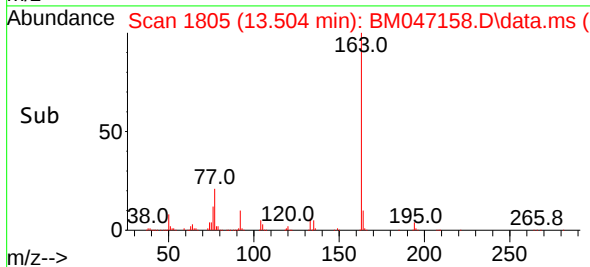
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

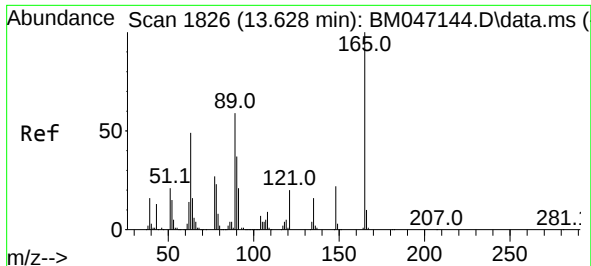


#50
Dimethylphthalate
Concen: 5.935 ng
RT: 13.504 min Scan# 1805
Delta R.T. -0.012 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39



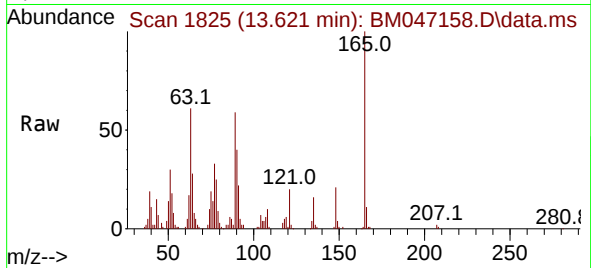
Tgt Ion:163 Resp: 294822
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 9.7 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 4.969 ng
RT: 13.621 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

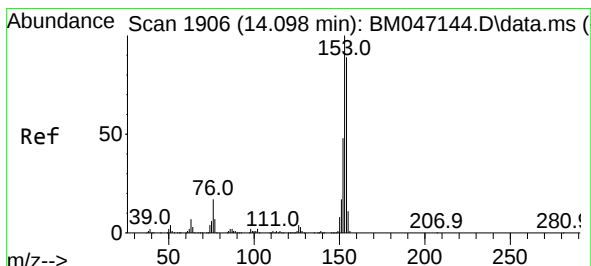
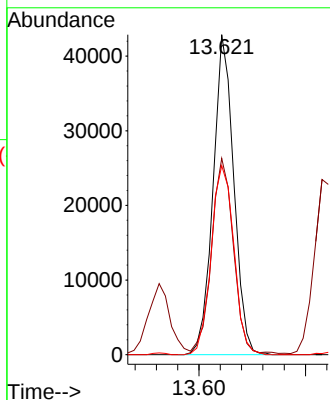
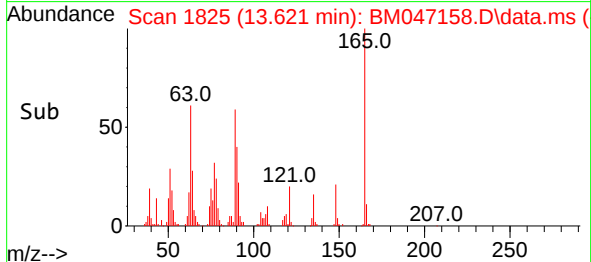
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



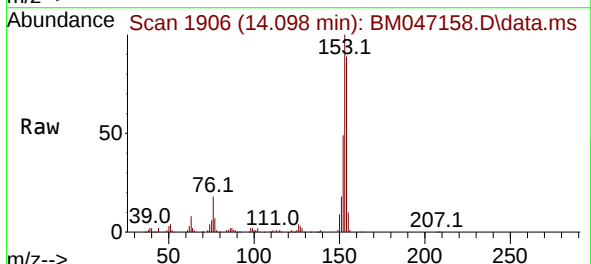
Tgt Ion:165 Resp: 5770
Ion Ratio Lower Upper
165 100
63 61.3 46.5 69.7
89 59.1 47.3 70.9

Manual Integrations
APPROVED

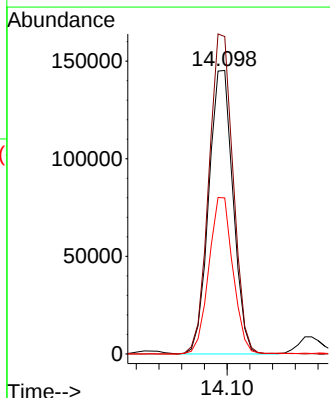
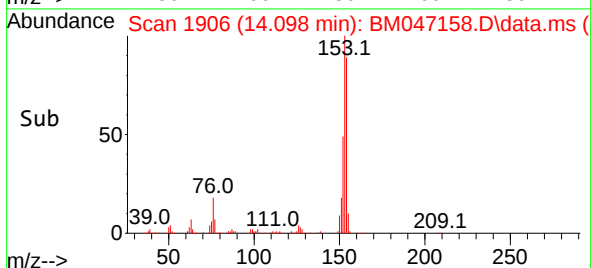
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

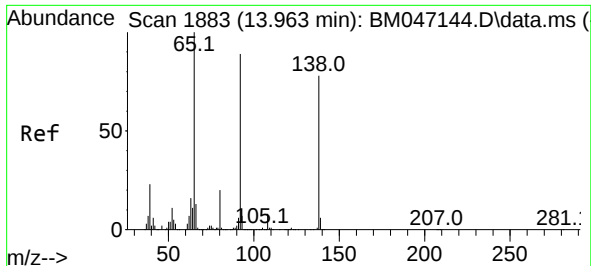


#52
Acenaphthene
Concen: 5.834 ng
RT: 14.098 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39



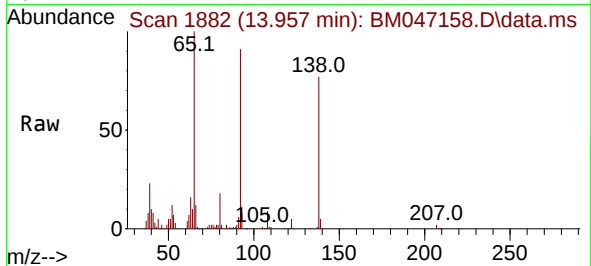
Tgt Ion:154 Resp: 215901
Ion Ratio Lower Upper
154 100
153 111.9 90.3 135.5
152 55.0 42.9 64.3





#53
3-Nitroaniline
Concen: 5.235 ng
RT: 13.957 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

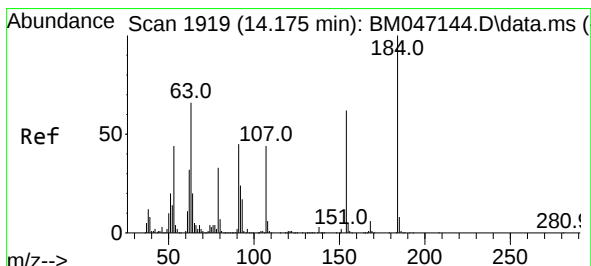
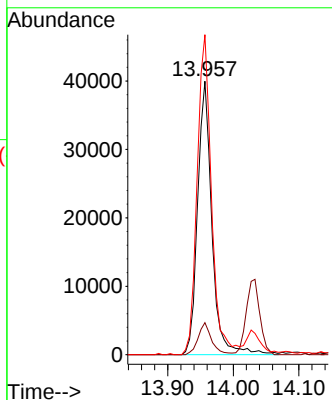
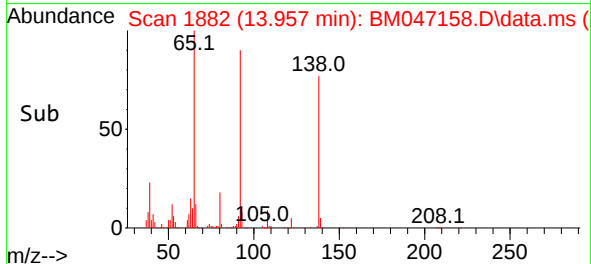
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:138 Resp: 60920
Ion Ratio Lower Upper
138 100
108 11.7 7.9 11.9
92 117.0 92.0 138.0

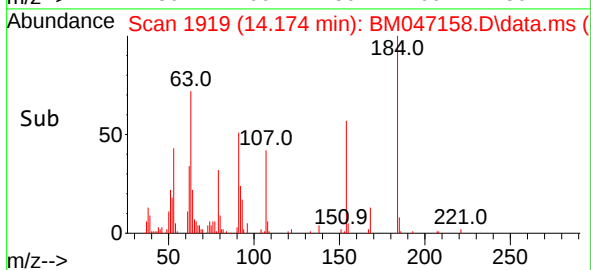
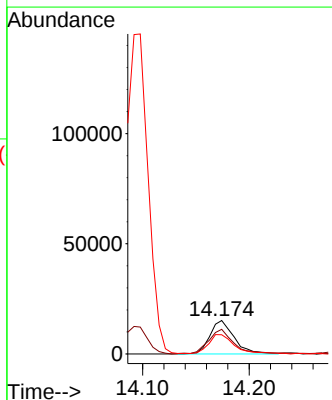
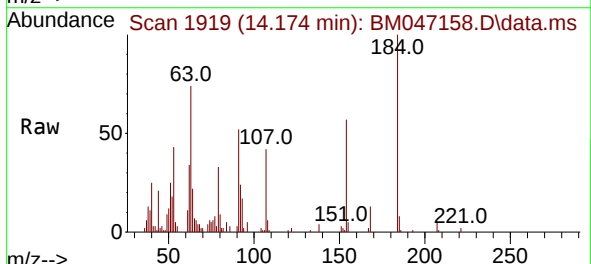
Manual Integrations
APPROVED

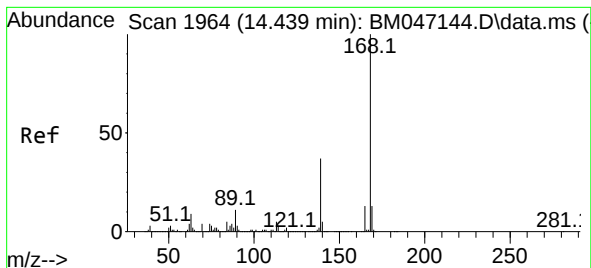
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#54
2,4-Dinitrophenol
Concen: 3.427 ng
RT: 14.174 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

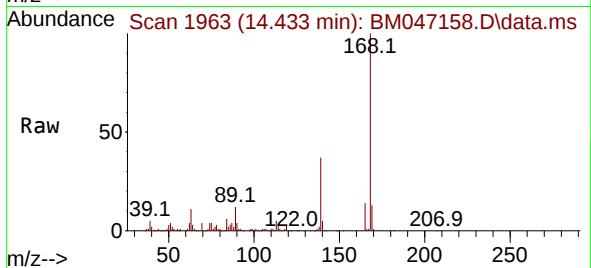
Tgt Ion:184 Resp: 23851
Ion Ratio Lower Upper
184 100
63 73.6 52.7 79.1
154 57.5 50.4 75.6





#55
Dibenzenofuran
Concen: 6.168 ng
RT: 14.433 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

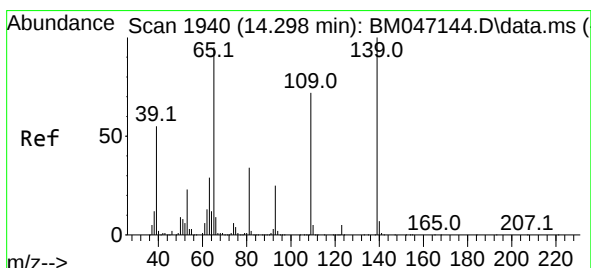
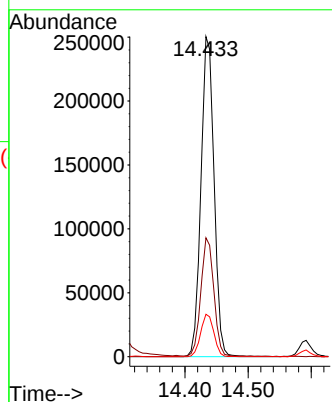
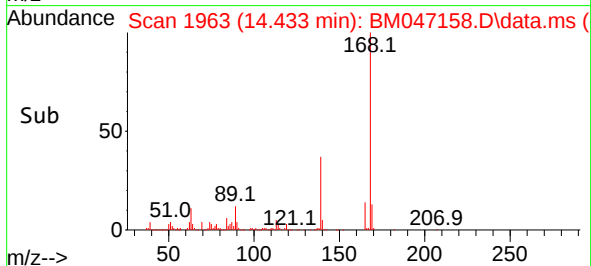
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:168 Resp: 360558
Ion Ratio Lower Upper
168 100
139 37.1 29.6 44.4
169 13.2 10.7 16.1

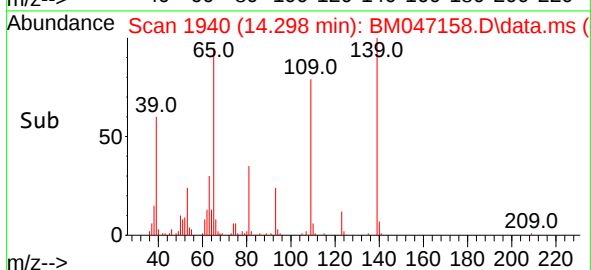
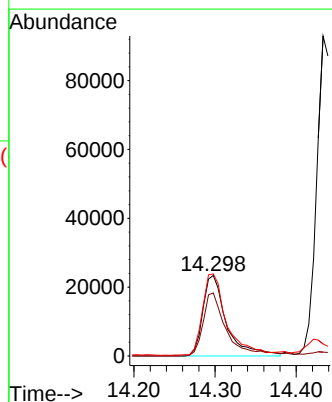
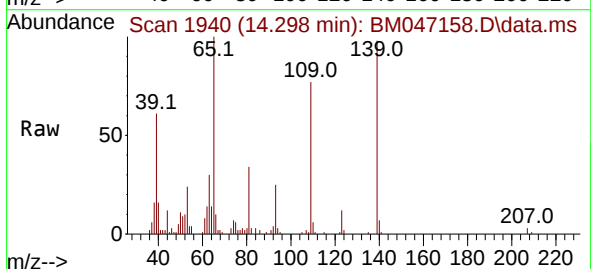
Manual Integrations
APPROVED

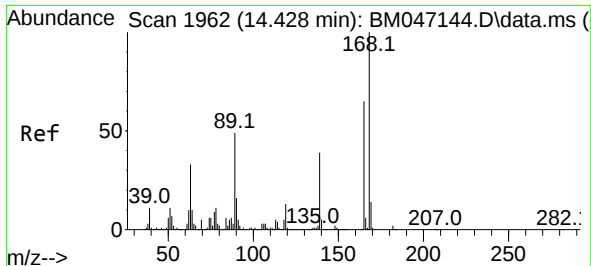
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#56
4-Nitrophenol
Concen: 4.696 ng
RT: 14.298 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

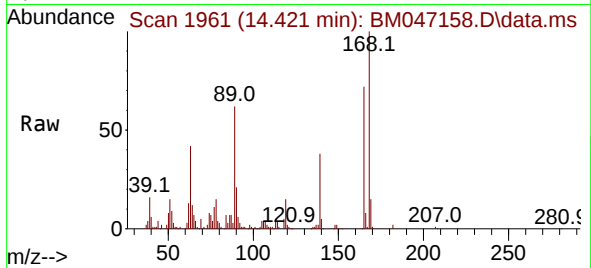
Tgt Ion:139 Resp: 47118
Ion Ratio Lower Upper
139 100
109 78.3 52.5 92.5
65 102.0 75.4 115.4





#57
2,4-Dinitrotoluene
Concen: 4.978 ng
RT: 14.421 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

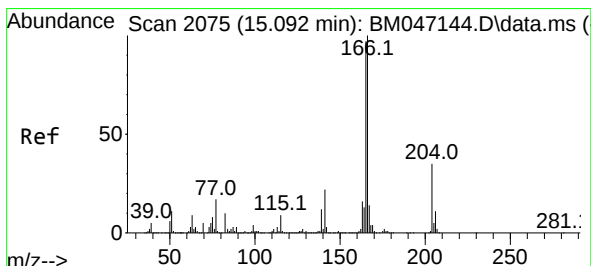
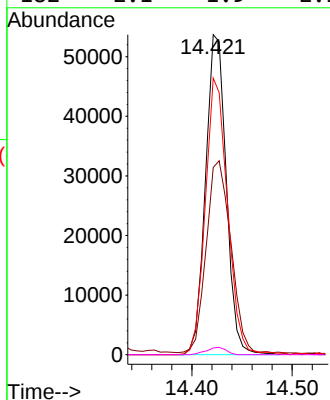
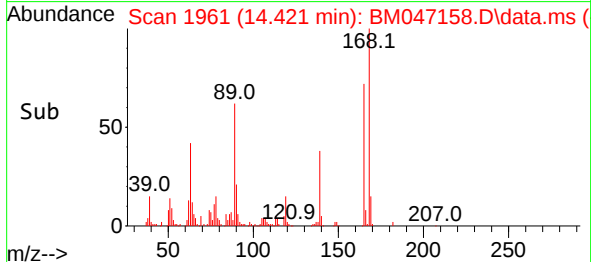
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



Tgt Ion:	165	Resp:	77160
Ion Ratio	Lower	Upper	
165	100		
63	58.5	40.3	60.5
89	86.5	61.0	91.6
182	2.1	1.9	2.9

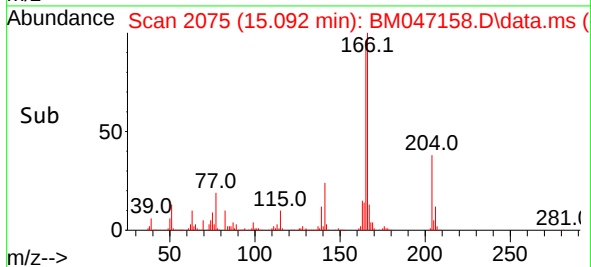
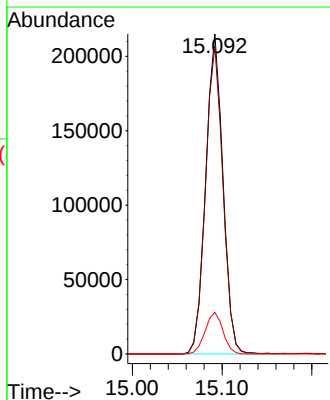
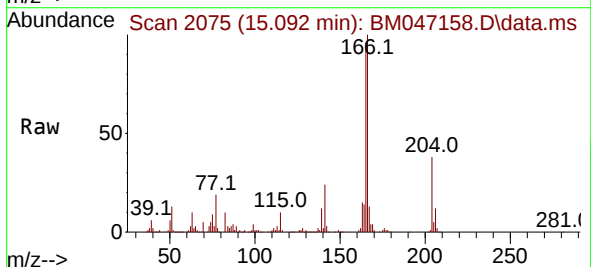
Manual Integrations
APPROVED

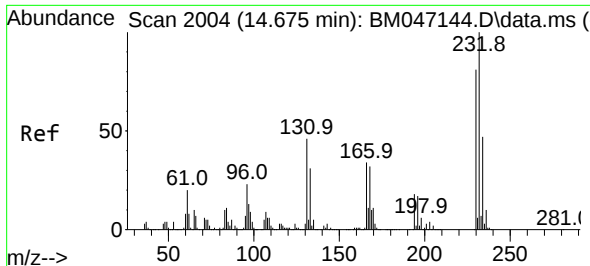
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#58
Fluorene
Concen: 5.950 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

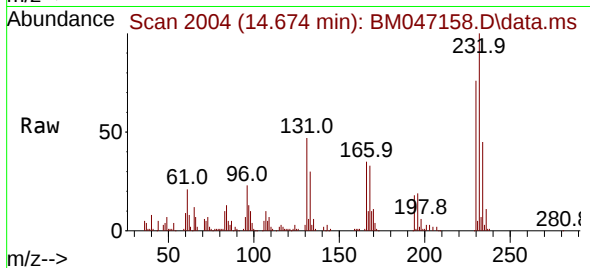
Tgt Ion:	166	Resp:	287003
Ion Ratio	Lower	Upper	
166	100		
165	96.2	77.4	116.0
167	13.0	11.0	16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 5.522 ng
RT: 14.674 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

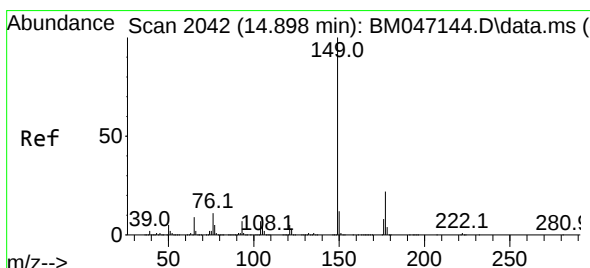
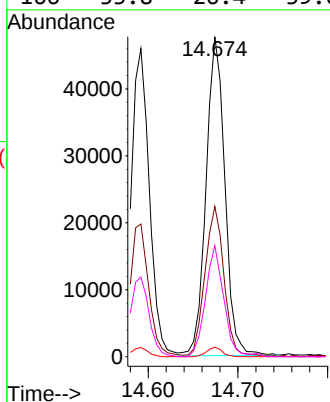
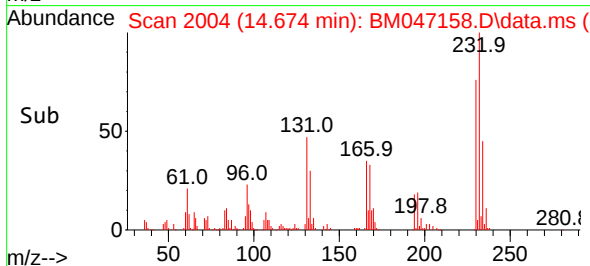
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



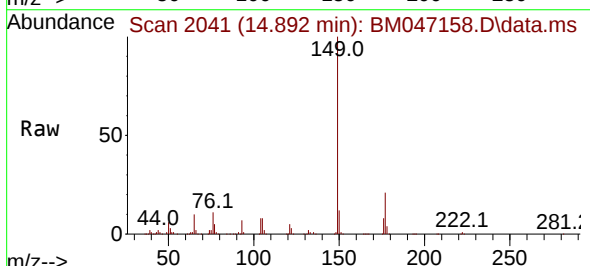
Tgt Ion:232 Resp: 69490
Ion Ratio Lower Upper
232 100
131 48.0 36.9 55.3
130 2.4 2.0 3.0
166 33.8 26.4 39.6

Manual Integrations
APPROVED

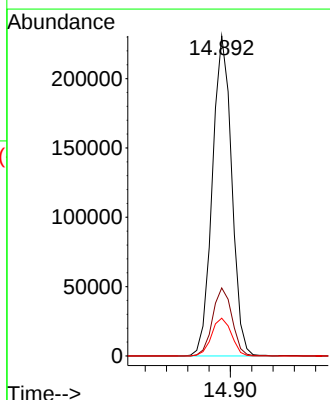
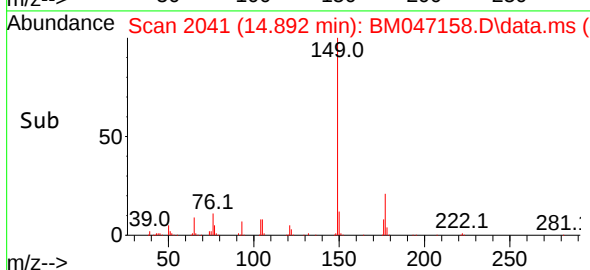
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

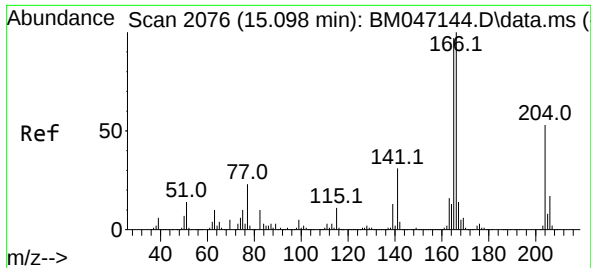


#60
Diethylphthalate
Concen: 5.726 ng
RT: 14.892 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39



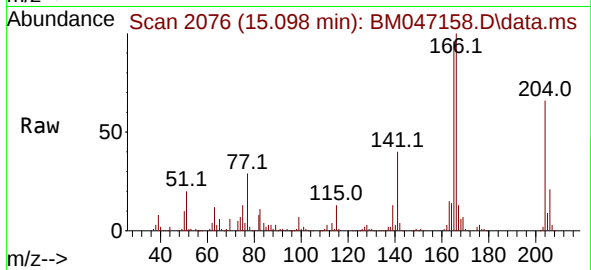
Tgt Ion:149 Resp: 290504
Ion Ratio Lower Upper
149 100
177 21.2 17.6 26.4
150 11.8 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 5.957 ng
RT: 15.098 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

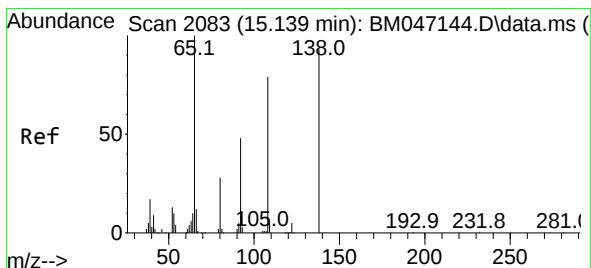
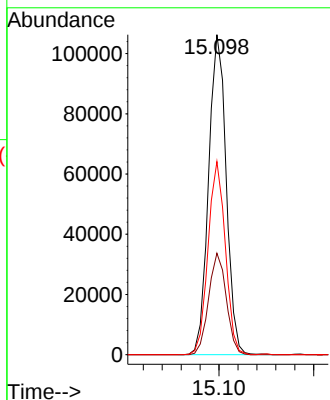
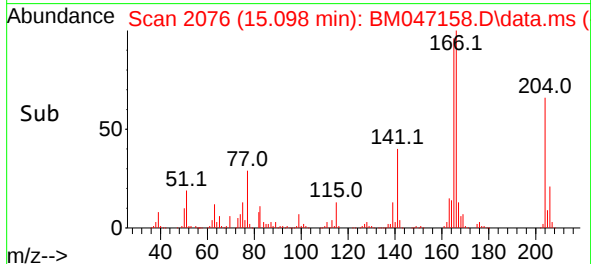
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



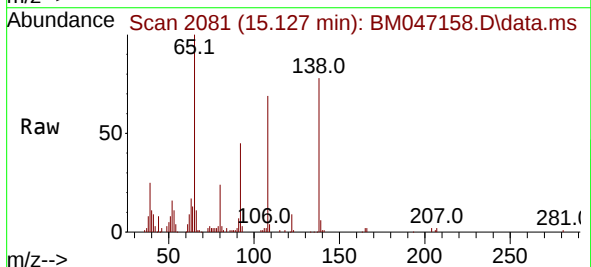
Tgt Ion:204 Resp: 136794
Ion Ratio Lower Upper
204 100
206 31.7 26.2 39.4
141 60.4 47.2 70.8

Manual Integrations
APPROVED

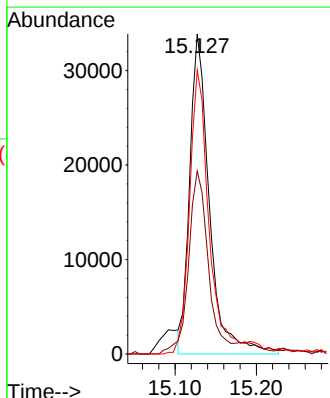
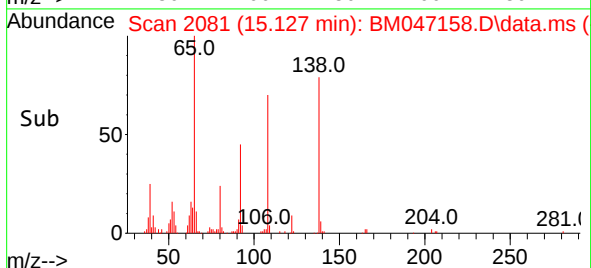
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

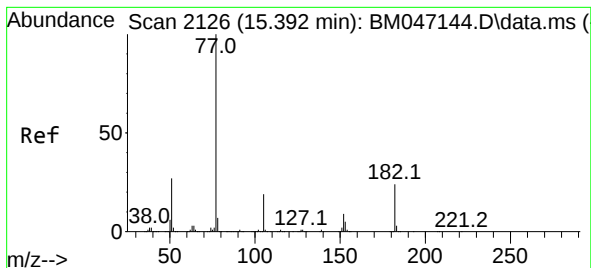


#62
4-Nitroaniline
Concen: 4.995 ng m
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39



Tgt Ion:138 Resp: 57264
Ion Ratio Lower Upper
138 100
92 57.2 31.9 71.9
108 88.7 63.8 103.8





#63

Azobenzene

Concen: 5.992 ng

RT: 15.392 min Scan# 2126

Delta R.T. -0.000 min

Lab File: BM047158.D

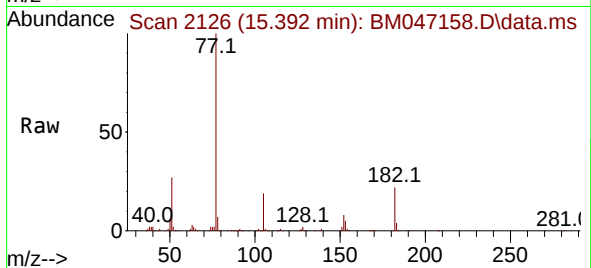
Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion: 77 Resp: 288228

Ion Ratio Lower Upper

77 100

182 22.2 3.8 43.8

105 19.3 0.0 39.5

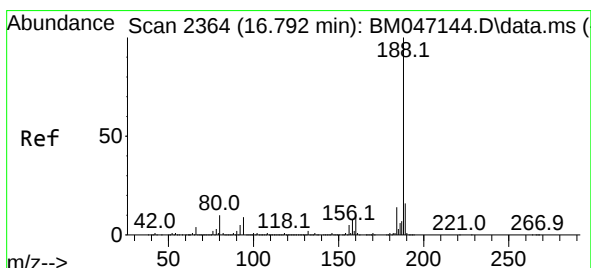
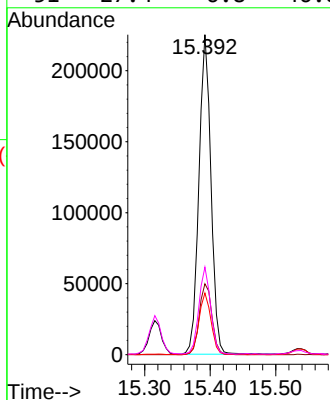
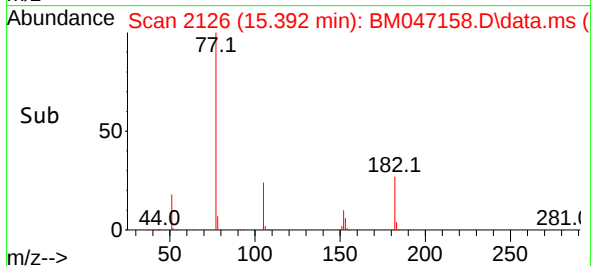
51 27.4 6.8 46.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.792 min Scan# 2364

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

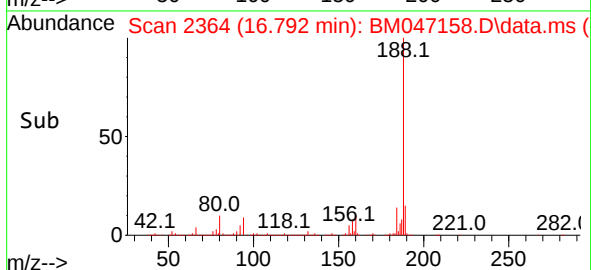
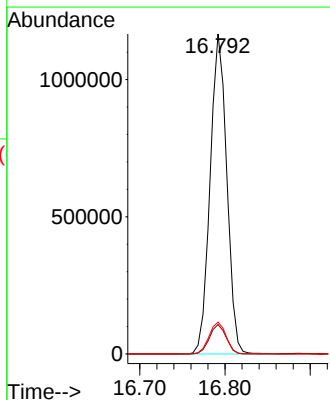
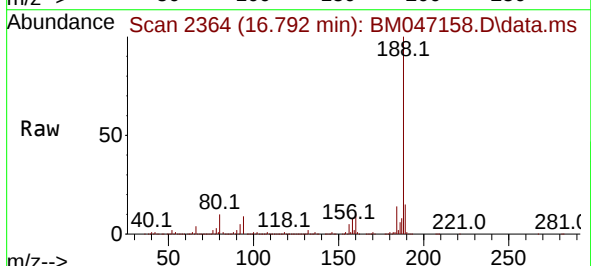
Tgt Ion:188 Resp: 1584431

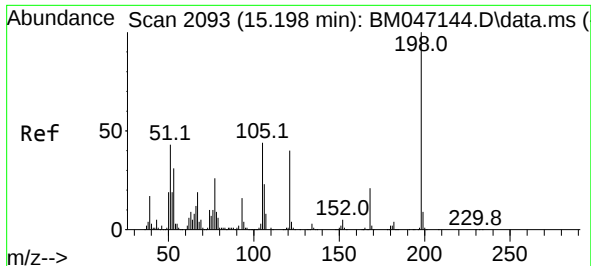
Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.6

80 10.0 8.0 12.0





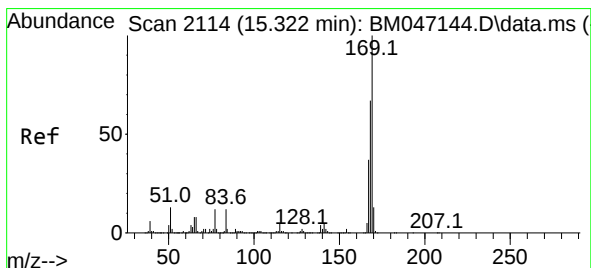
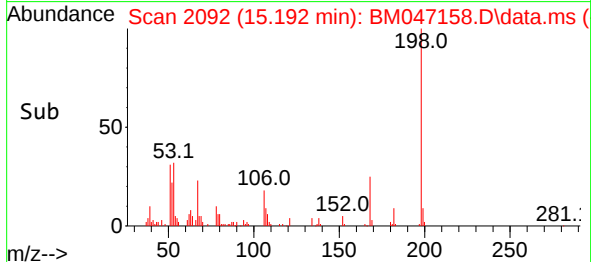
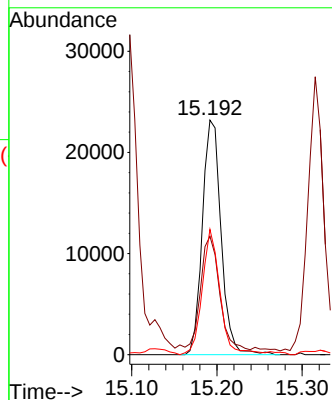
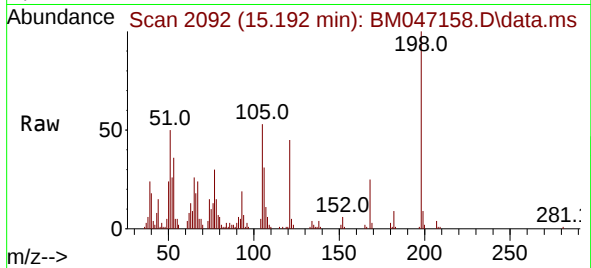
#65
4,6-Dinitro-2-methylphenol
Concen: 3.822 ng
RT: 15.192 min Scan# 2092
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:198 Resp: 3545
Ion Ratio Lower Upper
198 100
51 50.5 23.9 63.9
105 53.4 24.3 64.3

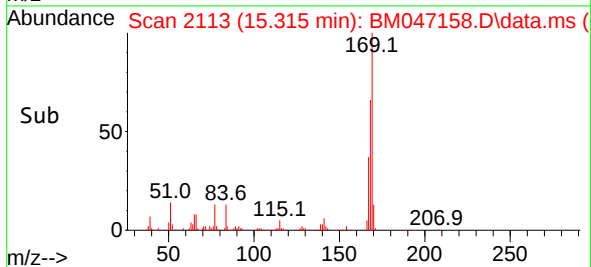
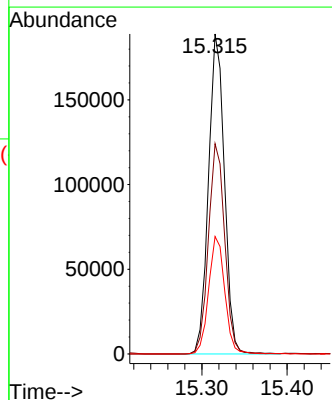
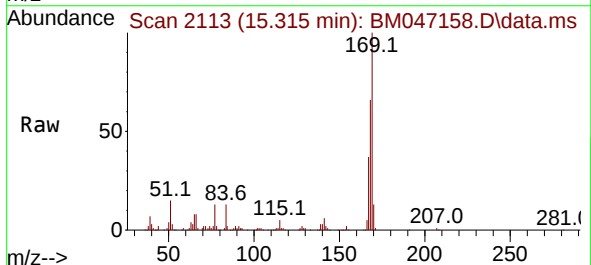
Manual Integrations
APPROVED

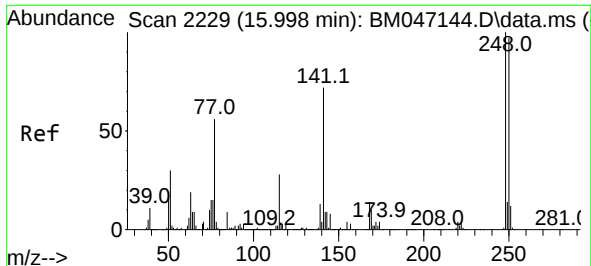
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#66
n-Nitrosodiphenylamine
Concen: 5.676 ng
RT: 15.315 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

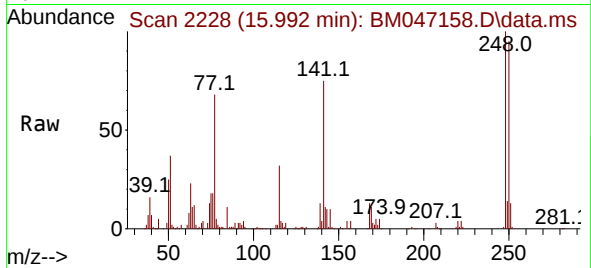
Tgt Ion:169 Resp: 244962
Ion Ratio Lower Upper
169 100
168 65.7 53.8 80.8
167 36.7 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 5.155 ng
RT: 15.992 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

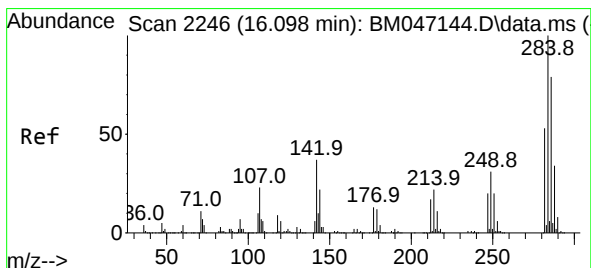
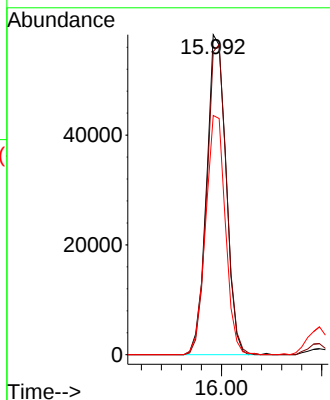
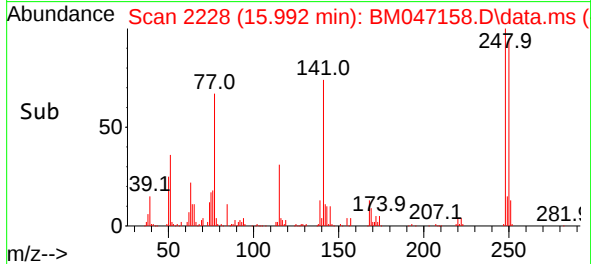
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



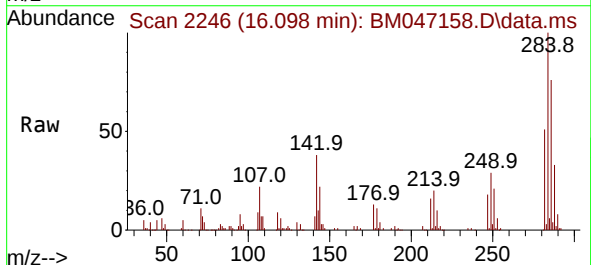
Tgt Ion:248 Resp: 78709
Ion Ratio Lower Upper
248 100
250 94.7 77.8 116.8
141 74.8 57.7 86.5

Manual Integrations
APPROVED

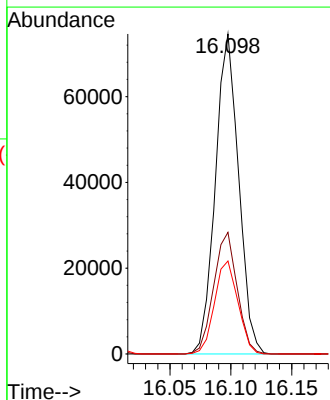
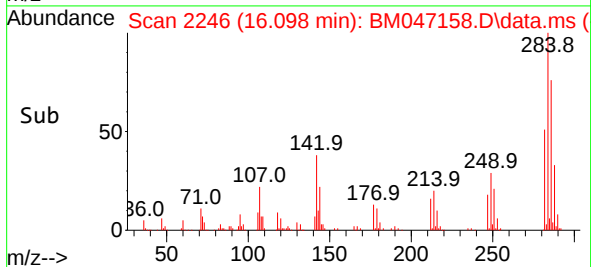
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

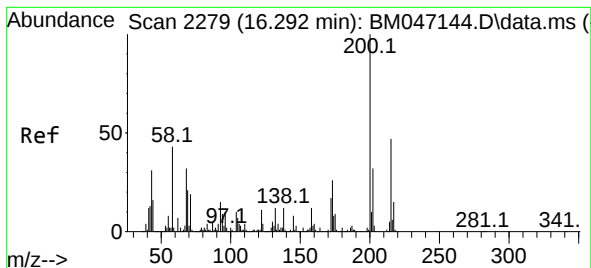


#68
Hexachlorobenzene
Concen: 5.426 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39



Tgt Ion:284 Resp: 99219
Ion Ratio Lower Upper
284 100
142 38.0 29.4 44.0
249 29.0 25.1 37.7





#69

Atrazine

Concen: 6.539 ng

RT: 16.286 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

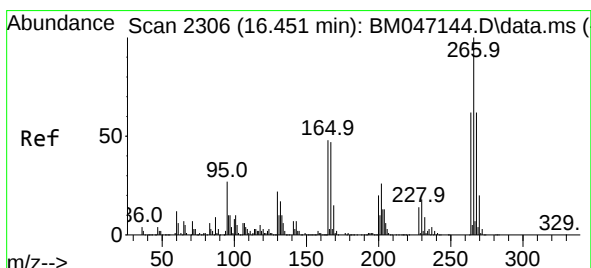
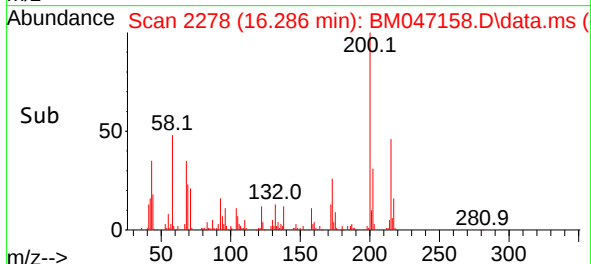
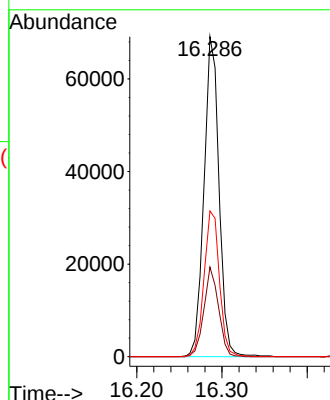
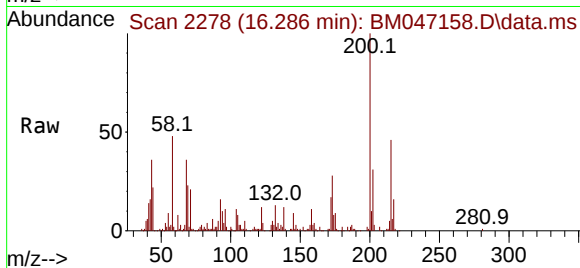
LOQ-SOIL-02-QT3-2024

Tgt Ion:200 Resp: 8491
 Ion Ratio Lower Upper
 200 100
 173 28.0 6.1 46.1
 215 45.5 26.8 66.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024
 Supervised By :mohammad ahmed 08/14/2024



#70

Pentachlorophenol

Concen: 3.887 ng

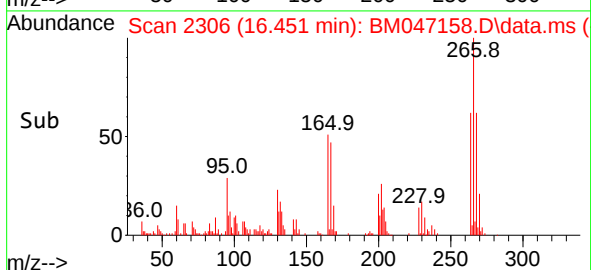
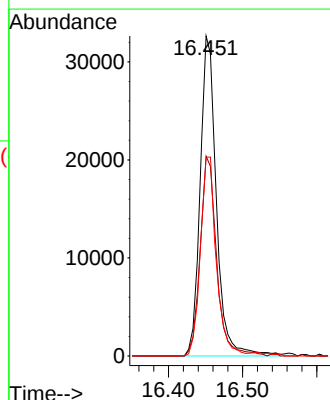
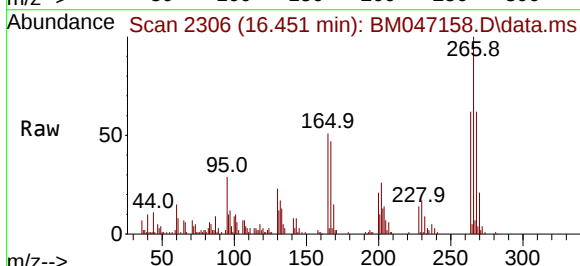
RT: 16.451 min Scan# 2306

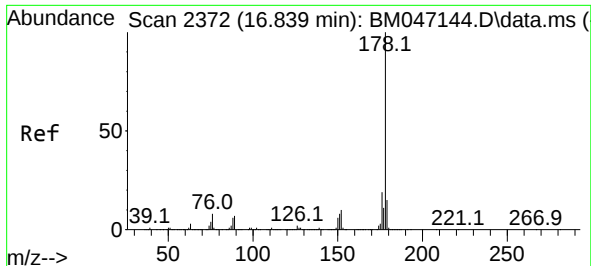
Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Tgt Ion:266 Resp: 49823
 Ion Ratio Lower Upper
 266 100
 268 62.4 49.8 74.6
 264 62.1 49.6 74.4





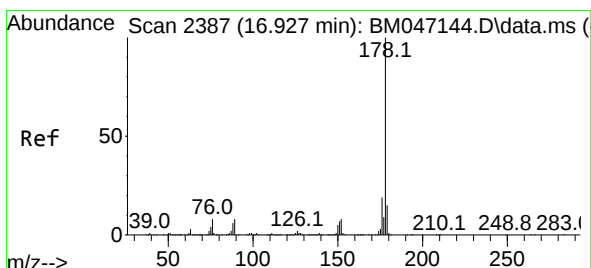
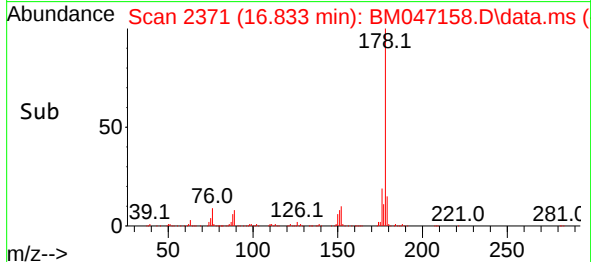
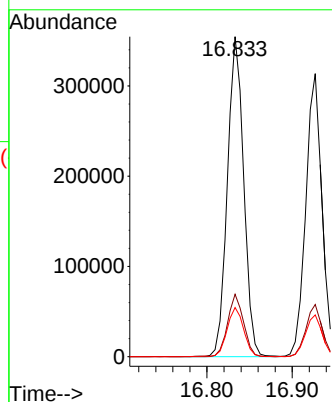
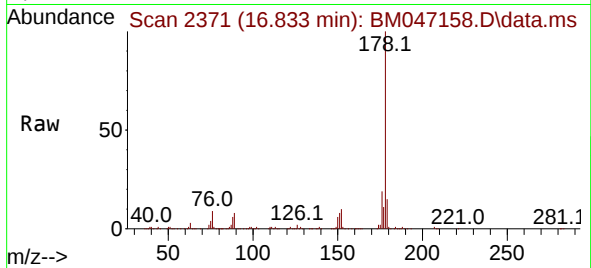
#71
Phenanthrene
Concen: 5.928 ng
RT: 16.833 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:178 Resp: 47139
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.4 12.4 18.6

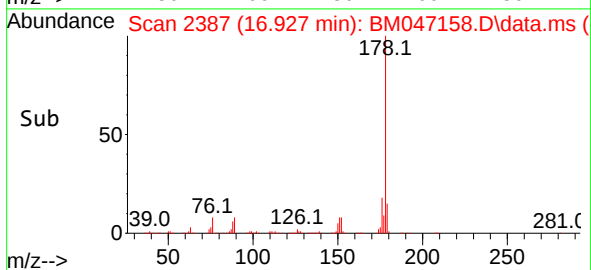
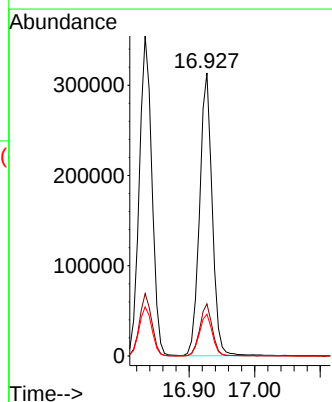
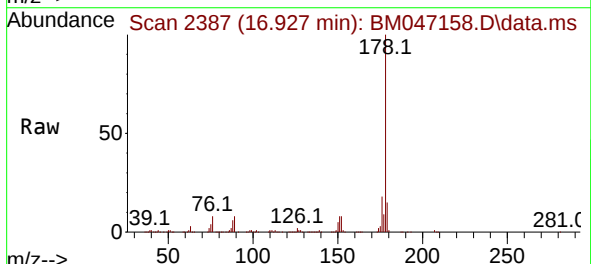
Manual Integrations
APPROVED

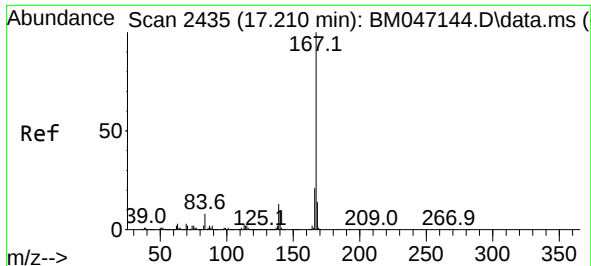
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#72
Anthracene
Concen: 5.404 ng
RT: 16.927 min Scan# 2387
Delta R.T. -0.000 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

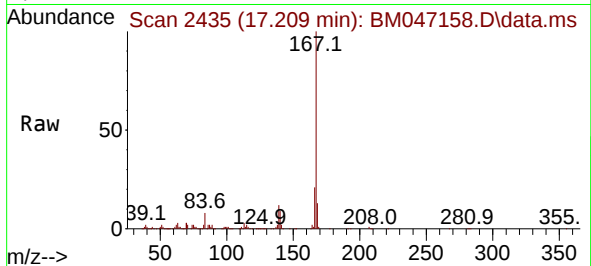
Tgt Ion:178 Resp: 418074
Ion Ratio Lower Upper
178 100
176 18.4 14.8 22.2
179 14.8 12.4 18.6





#73
 Carbazole
 Concen: 5.530 ng
 RT: 17.209 min Scan# 2435
 Delta R.T. -0.000 min
 Lab File: BM047158.D
 Acq: 12 Aug 2024 16:39

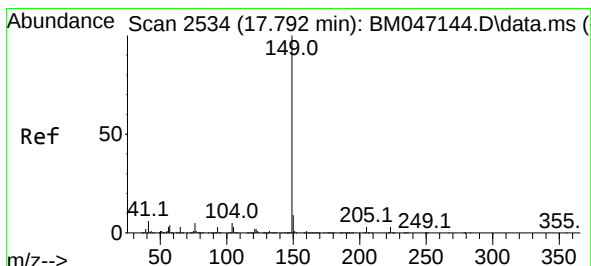
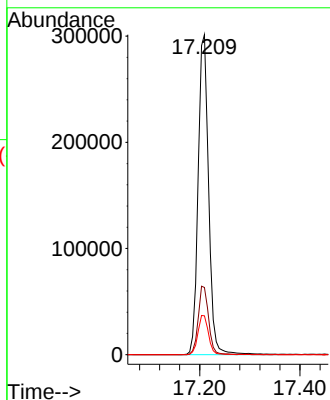
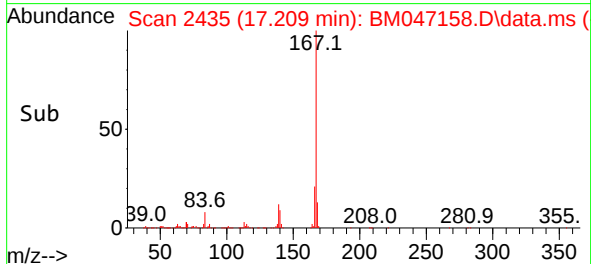
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024



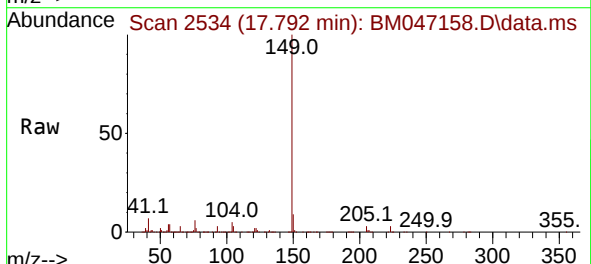
Tgt Ion:167 Resp: 43688
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.1 25.7
 139 12.2 10.0 15.0

Manual Integrations
 APPROVED

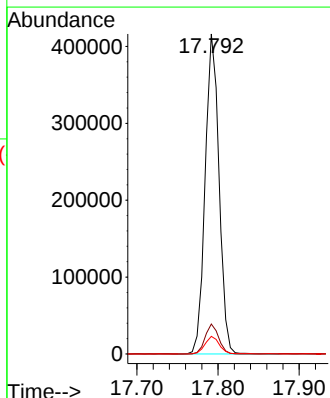
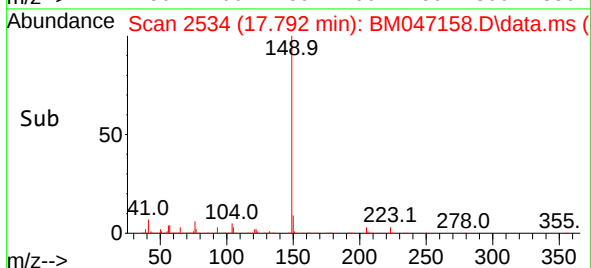
Reviewed By :Yogesh Patel 08/13/2024
 Supervised By :mohammad ahmed 08/14/2024

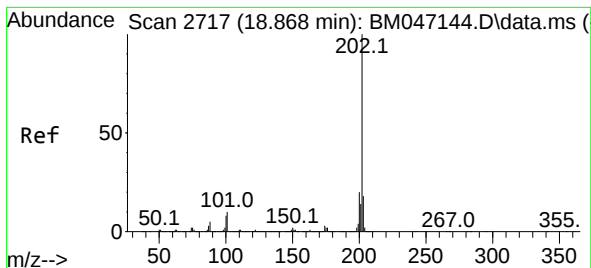


#74
 Di-n-butylphthalate
 Concen: 5.348 ng
 RT: 17.792 min Scan# 2534
 Delta R.T. -0.000 min
 Lab File: BM047158.D
 Acq: 12 Aug 2024 16:39



Tgt Ion:149 Resp: 491607
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.5 11.3
 104 5.5 4.1 6.1





#75

Fluoranthene

Concen: 5.431 ng

RT: 18.868 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

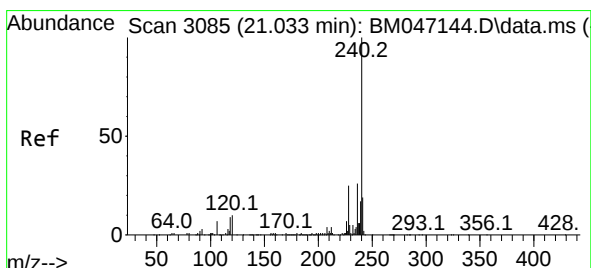
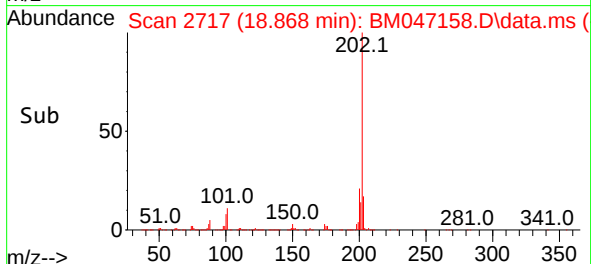
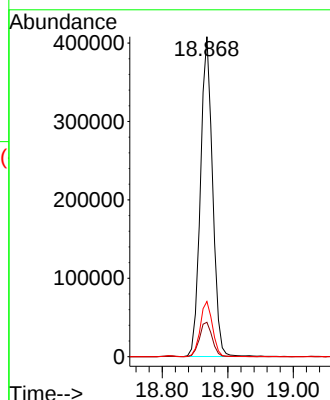
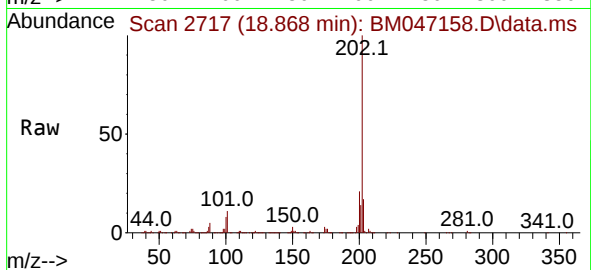
LOQ-SOIL-02-QT3-2024

Tgt Ion:202 Resp: 525254
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 30.2
 203 17.3 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024
 Supervised By :mohammad ahmed 08/14/2024



#76

Chrysene-d12

Concen: 20.000 ng

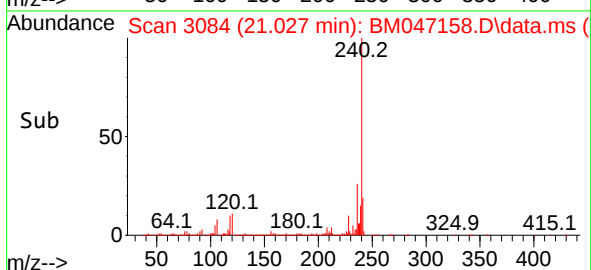
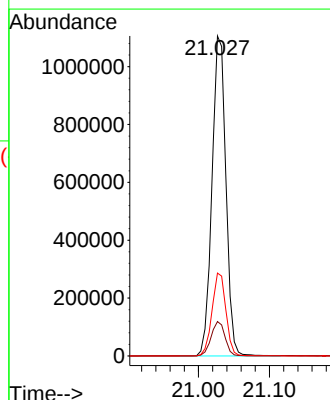
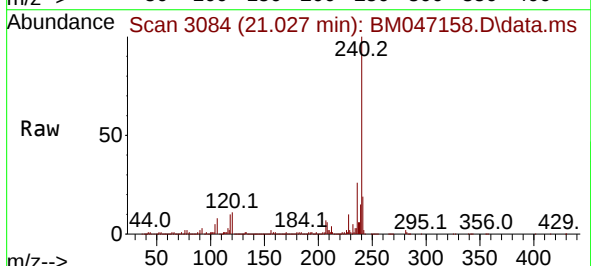
RT: 21.027 min Scan# 3084

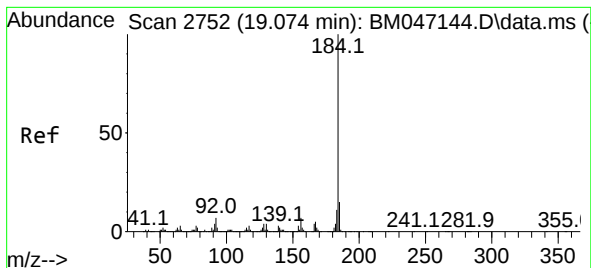
Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Tgt Ion:240 Resp: 1503966
 Ion Ratio Lower Upper
 240 100
 120 10.8 8.2 12.2
 236 25.9 20.6 30.8





#77

Benzidine

Concen: 5.055 ng

RT: 19.074 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

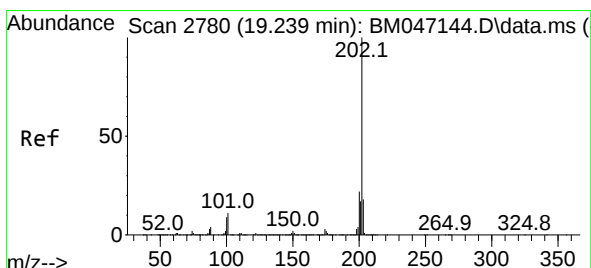
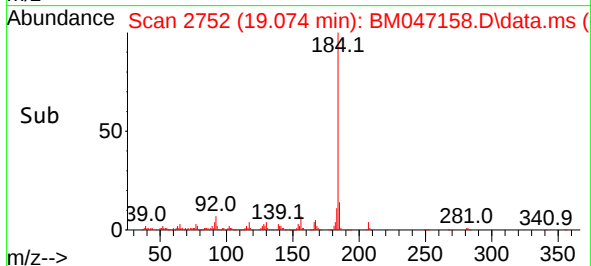
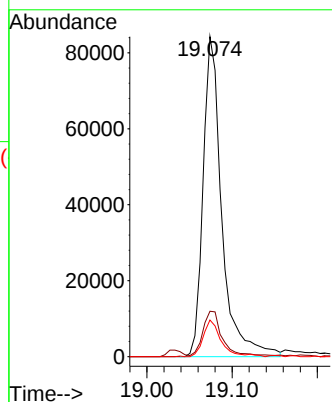
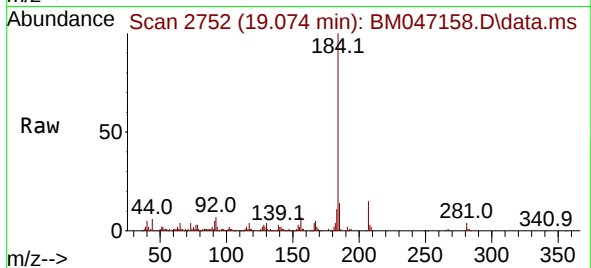
Tgt Ion:184 Resp: 12892
 Ion Ratio Lower Upper
 184 100
 185 14.2 11.8 17.6
 183 11.5 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#78

Pyrene

Concen: 5.225 ng

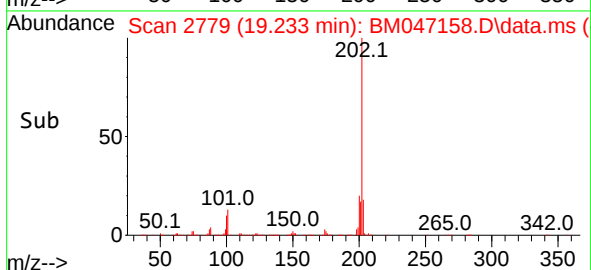
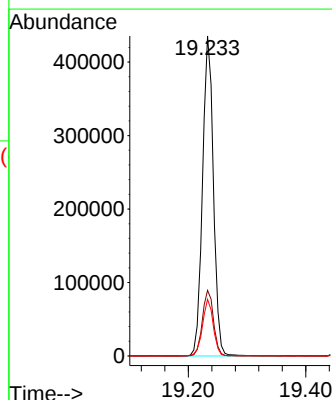
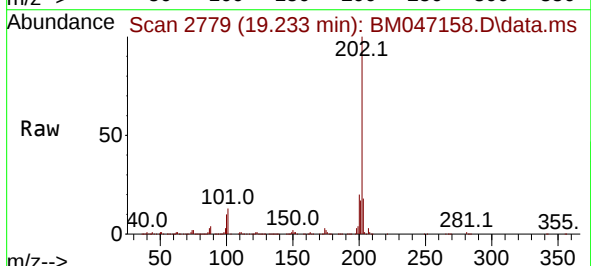
RT: 19.233 min Scan# 2779

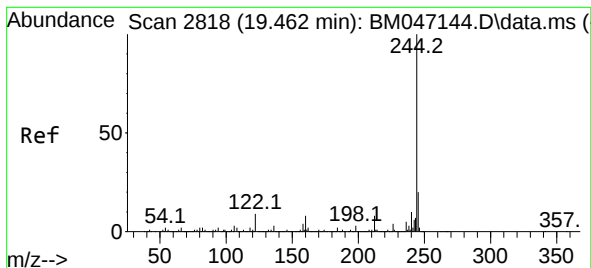
Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Tgt Ion:202 Resp: 561110
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.2 25.8
 203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 95.911 ng

RT: 19.462 min Scan# 2818

Delta R.T. -0.000 min

Lab File: BM047158.D

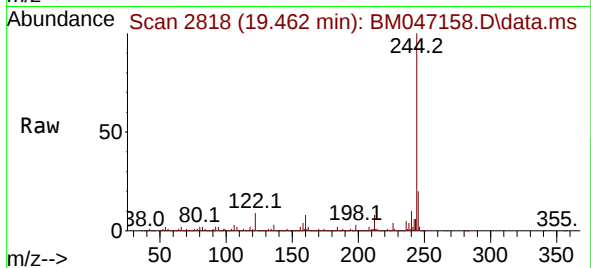
Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion:244 Resp: 6731819

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.4

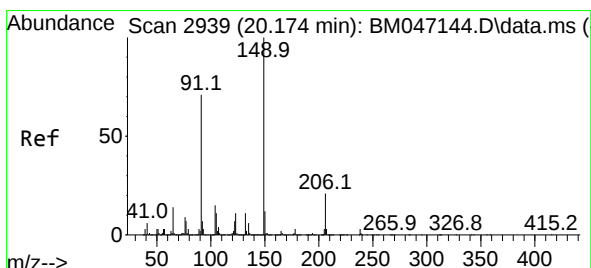
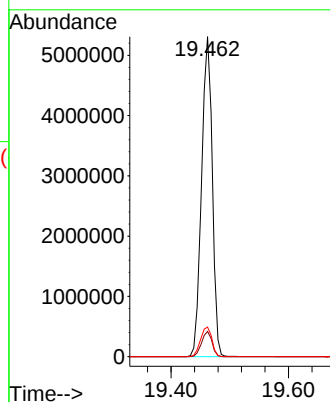
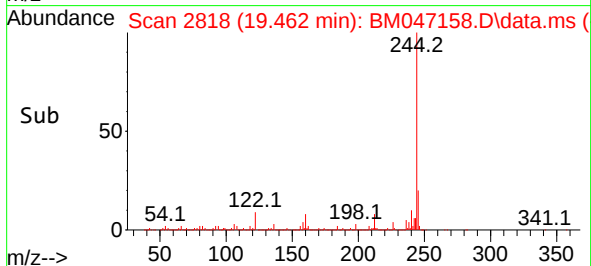
122 9.2 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#80

Butylbenzylphthalate

Concen: 4.897 ng

RT: 20.174 min Scan# 2939

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

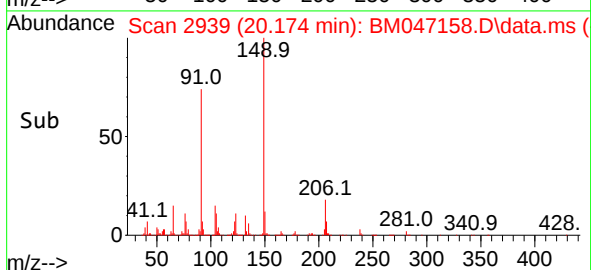
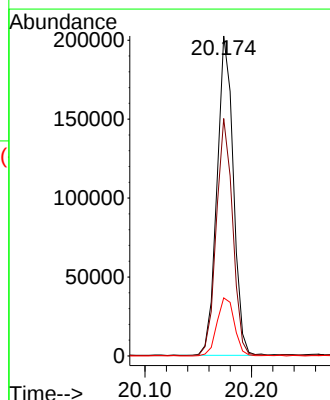
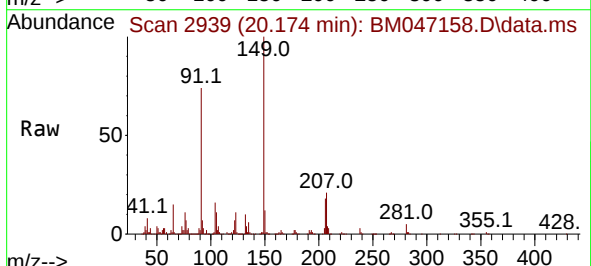
Tgt Ion:149 Resp: 214618

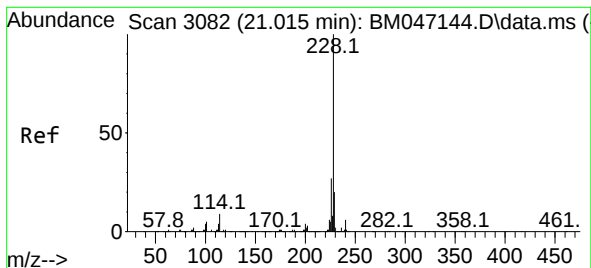
Ion Ratio Lower Upper

149 100

91 74.2 57.0 85.4

206 18.2 16.4 24.6





#81

Benzo(a)anthracene

Concen: 5.531 ng

RT: 21.009 min Scan# 3082

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:228 Resp: 55225

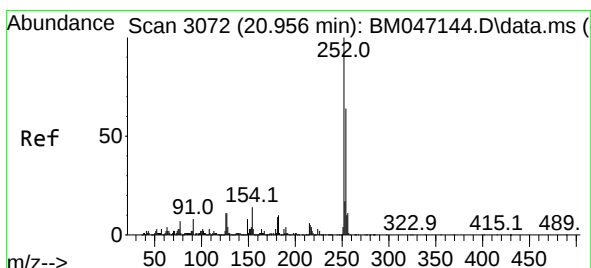
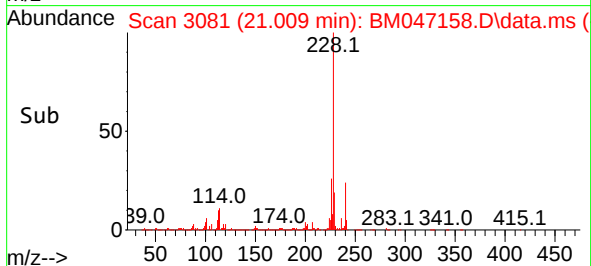
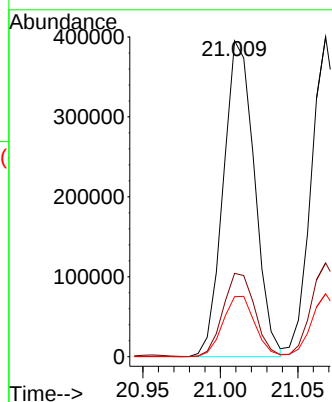
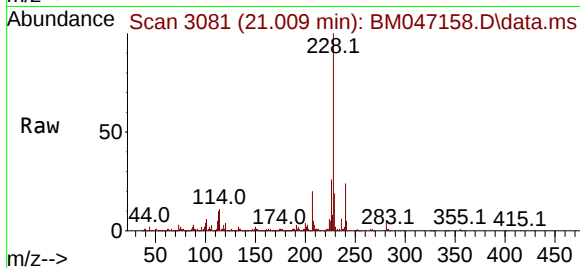
Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.8	32.6
229	19.0	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#82

3,3'-Dichlorobenzidine

Concen: 5.739 ng

RT: 20.956 min Scan# 3072

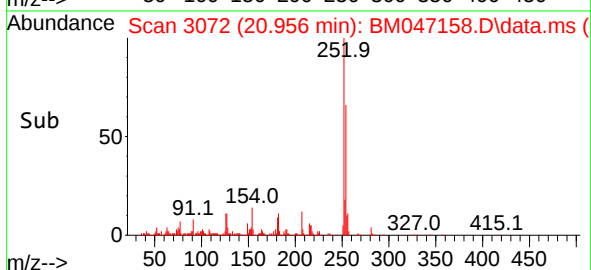
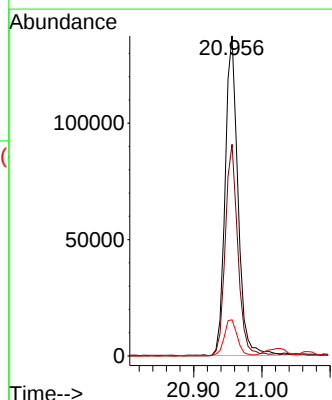
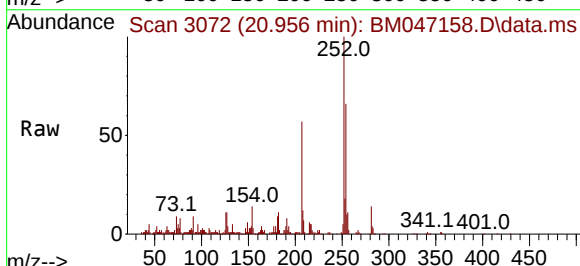
Delta R.T. -0.000 min

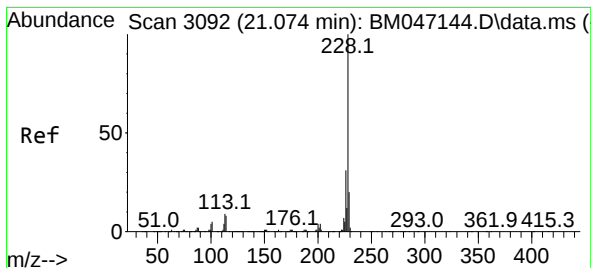
Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Tgt Ion:252 Resp: 179274

Ion	Ratio	Lower	Upper
252	100		
254	66.2	51.0	76.6
126	11.3	8.5	12.7





#83

Chrysene

Concen: 5.503 ng

RT: 21.068 min Scan# 3092

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

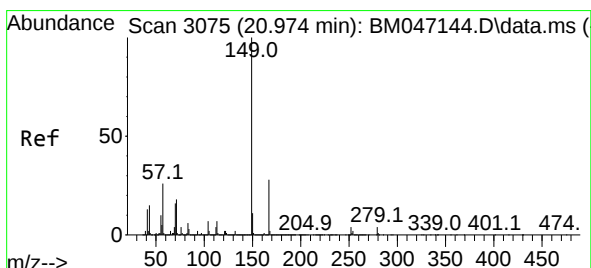
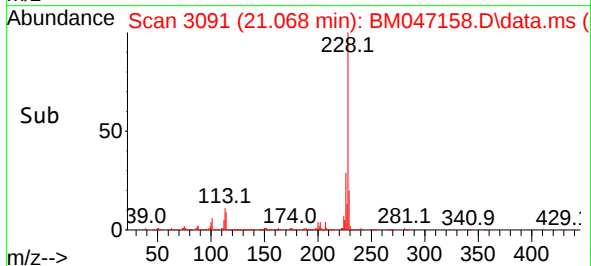
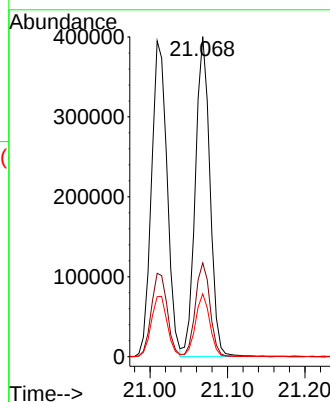
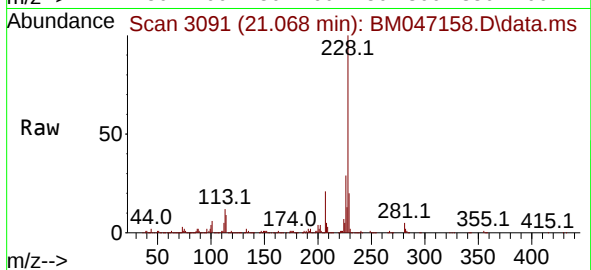
ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:228 Resp: 521320
 Ion Ratio Lower Upper
 228 100
 226 29.3 24.4 36.6
 229 19.7 15.7 23.5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/13/2024
 Supervised By :mohammad ahmed 08/14/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.317 ng

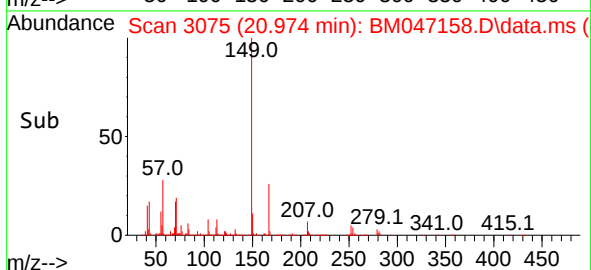
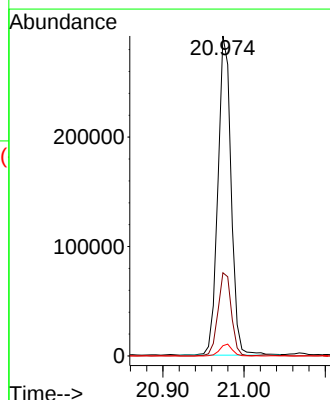
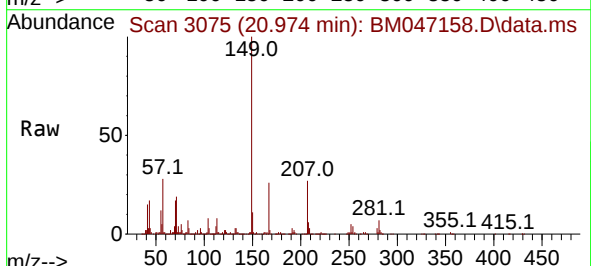
RT: 20.974 min Scan# 3075

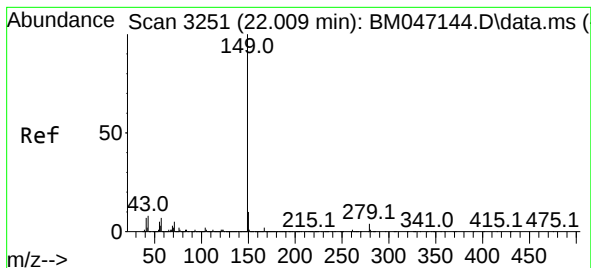
Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Tgt Ion:149 Resp: 330442
 Ion Ratio Lower Upper
 149 100
 167 26.0 22.2 33.2
 279 3.2 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 4.799 ng

RT: 22.009 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

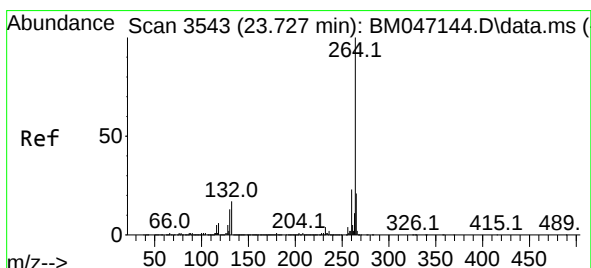
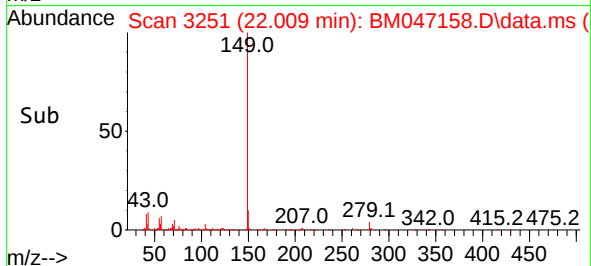
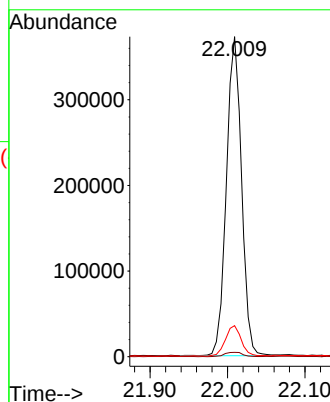
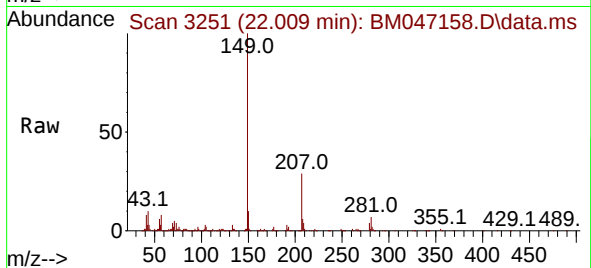
ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:149 Resp: 506980
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.3 1.9
 43 10.0 6.9 10.3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/13/2024
 Supervised By :mohammad ahmed 08/14/2024



#86

Perylene-d12

Concen: 20.000 ng

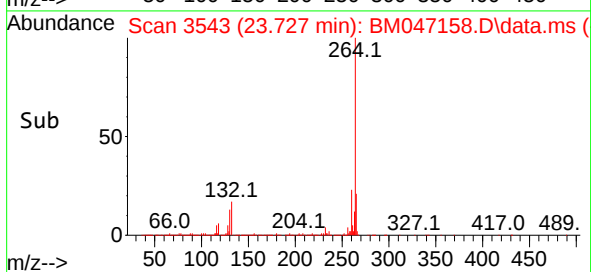
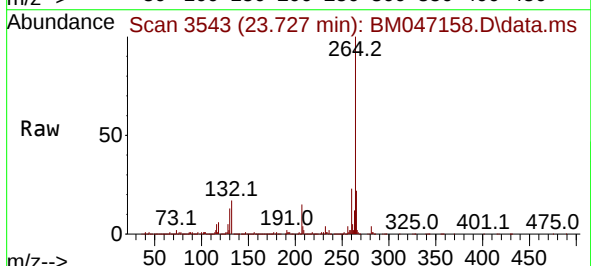
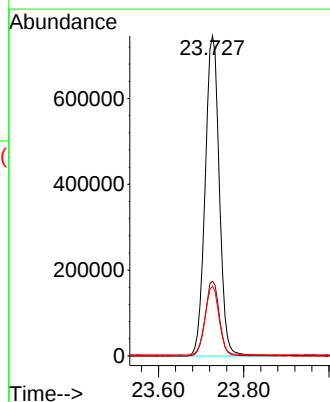
RT: 23.727 min Scan# 3543

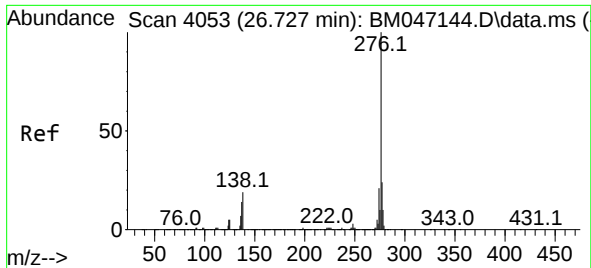
Delta R.T. -0.000 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

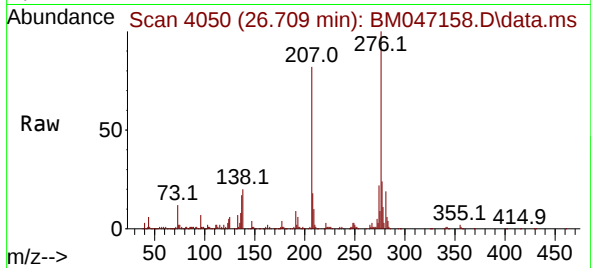
Tgt Ion:264 Resp: 1717416
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.5 27.7
 265 21.8 17.3 25.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.517 ng
RT: 26.709 min Scan# 4053
Delta R.T. -0.018 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39

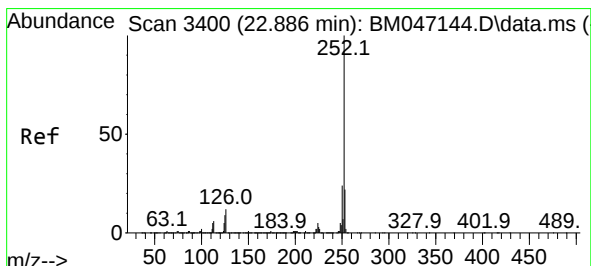
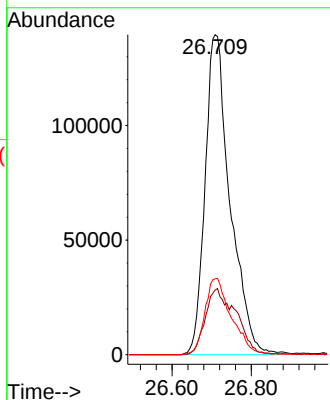
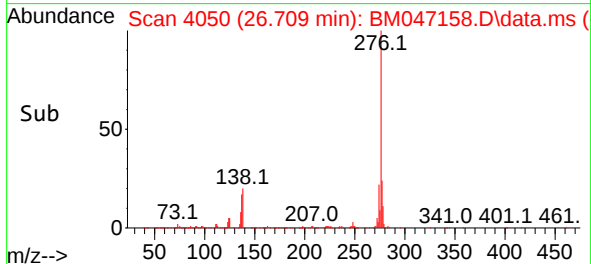
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2024



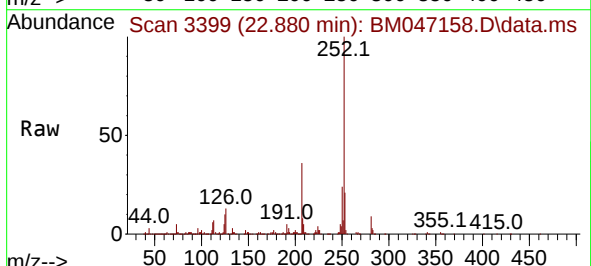
Tgt Ion:276 Resp: 612479
Ion Ratio Lower Upper
276 100
138 25.3 19.4 29.0
277 25.1 20.1 30.1

Manual Integrations
APPROVED

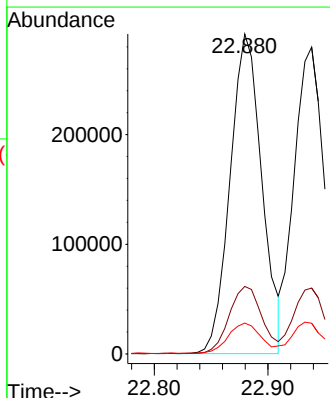
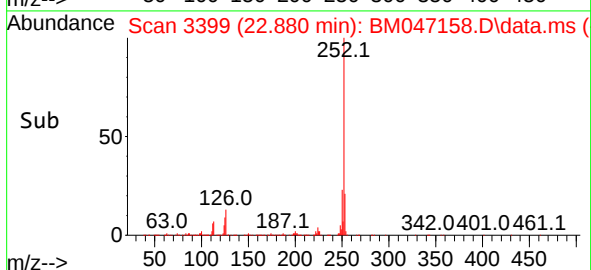
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

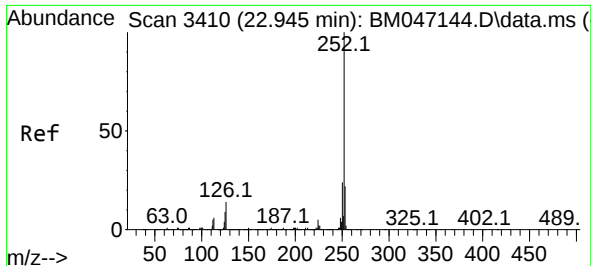


#88
Benzo(b)fluoranthene
Concen: 5.553 ng
RT: 22.880 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BM047158.D
Acq: 12 Aug 2024 16:39



Tgt Ion:252 Resp: 566342
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.6
125 9.6 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 5.530 ng

RT: 22.938 min Scan# 3410

Delta R.T. -0.006 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

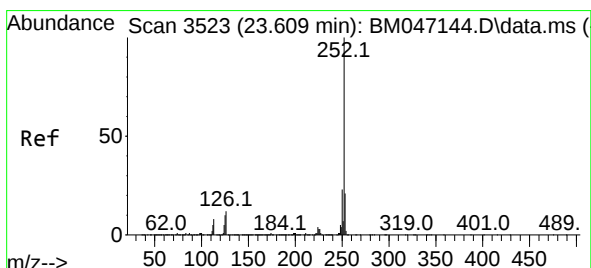
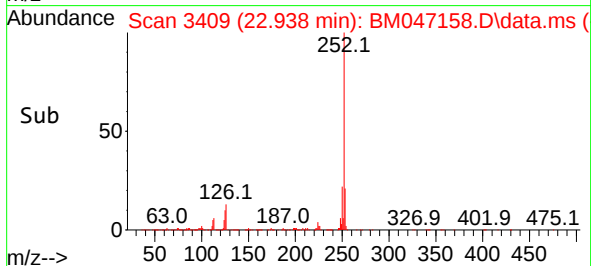
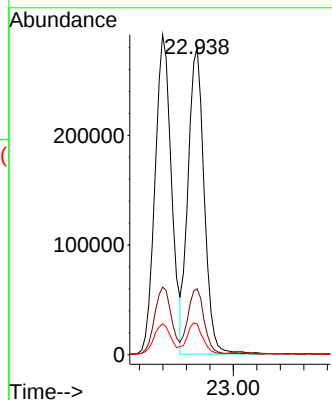
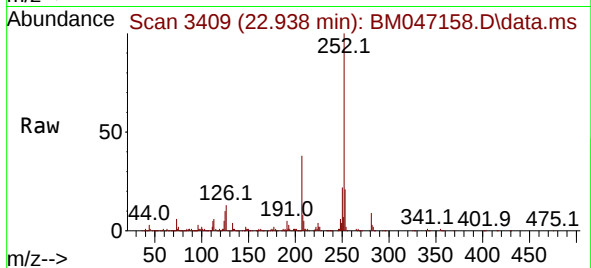
ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:252 Resp: 532752
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.7 26.5
 125 10.0 7.4 11.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/13/2024
 Supervised By :mohammad ahmed 08/14/2024



#90

Benzo(a)pyrene

Concen: 5.317 ng

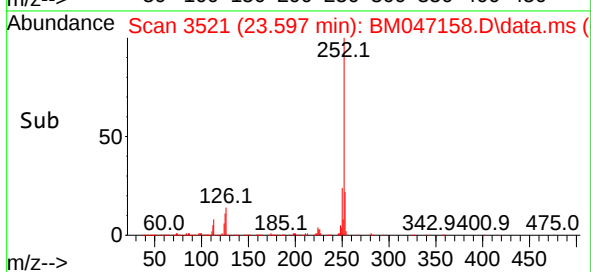
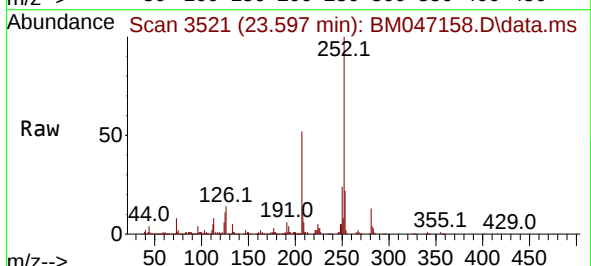
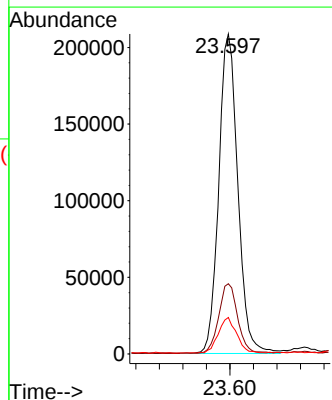
RT: 23.597 min Scan# 3521

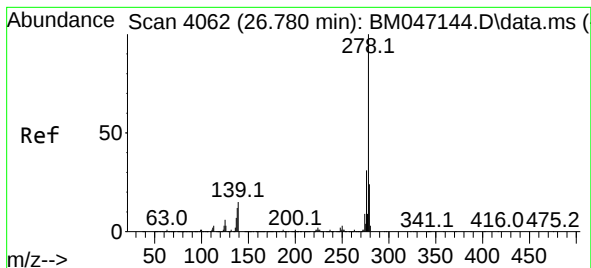
Delta R.T. -0.012 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Tgt Ion:252 Resp: 469737
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.1 25.7
 125 11.4 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 5.703 ng

RT: 26.762 min Scan# 4062

Delta R.T. -0.018 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2024

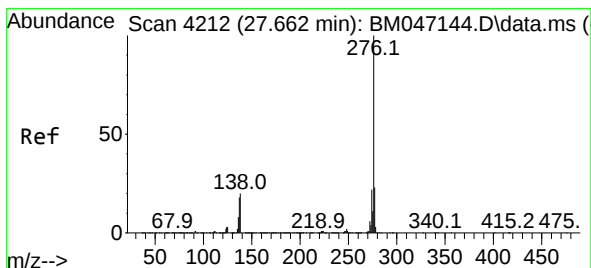
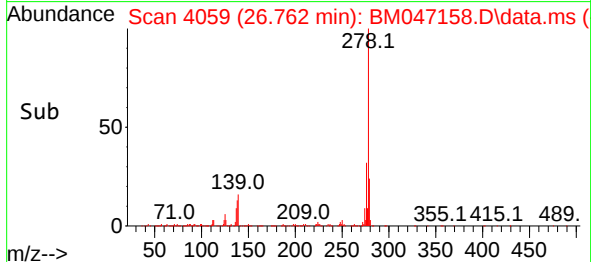
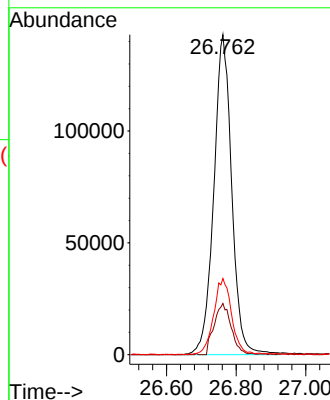
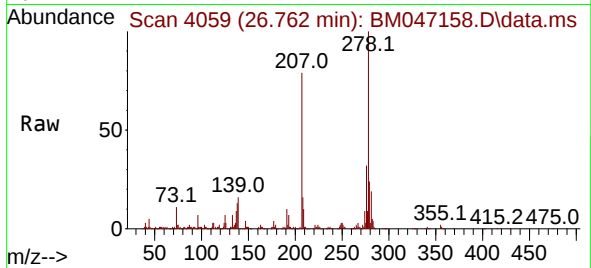
Tgt Ion:	278	Resp:	51236
Ion Ratio	Lower	Upper	
278	100		
139	16.0	12.0	18.0
279	23.8	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#92

Benzo(g,h,i)perylene

Concen: 5.369 ng

RT: 27.638 min Scan# 4208

Delta R.T. -0.024 min

Lab File: BM047158.D

Acq: 12 Aug 2024 16:39

Tgt Ion:	276	Resp:	500742
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.8	28.2
138	22.0	16.2	24.4

