

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081224\
 Data File : BM047155.D
 Acq On : 12 Aug 2024 13:45
 Operator : RC/JU
 Sample : P3390-01
 Misc : LOD-MDL-SOIL-8NG
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

Quant Time: Aug 12 15:07:44 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	301603	20.000	ng	0.00
21) Naphthalene-d8	10.128	136	1319220	20.000	ng	0.00
39) Acenaphthene-d10	14.027	164	875363	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1984819	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1868008	20.000	ng	0.00
86) Perylene-d12	23.727	264	2209570	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	2277744	134.944	ng	0.00
7) Phenol-d6	6.587	99	3206631	137.872	ng	0.00
23) Nitrobenzene-d5	8.522	82	2210926	84.389	ng	0.00
42) 2,4,6-Tribromophenol	15.539	330	1494230	147.215	ng	0.00
45) 2-Fluorobiphenyl	12.639	172	4809226	84.746	ng	0.00
79) Terphenyl-d14	19.462	244	8310315	95.326	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.040	88	60576	8.662	ng	98
3) Pyridine	3.416	79	153303	7.475	ng	97
4) n-Nitrosodimethylamine	3.328	42	76357	8.522	ng	# 94
6) Aniline	6.722	93	240253	10.929	ng	99
8) 2-Chlorophenol	6.945	128	162072	8.804	ng	99
9) Benzaldehyde	6.534	77	150243m	9.042	ng	
10) Phenol	6.610	94	192428	8.292	ng	99
11) bis(2-Chloroethyl)ether	6.822	93	177901	8.951	ng	96
12) 1,3-Dichlorobenzene	7.263	146	184379	8.428	ng	99
13) 1,4-Dichlorobenzene	7.404	146	188281	8.500	ng	99
14) 1,2-Dichlorobenzene	7.716	146	185290	8.866	ng	99
15) Benzyl Alcohol	7.622	79	159294	9.623	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.910	45	239956	9.409	ng	99
17) 2-Methylphenol	7.828	107	136114	8.791	ng	97
18) Hexachloroethane	8.422	117	72153	8.410	ng	92
19) n-Nitroso-di-n-propyla...	8.181	70	149817	9.563	ng	97
20) 3+4-Methylphenols	8.157	107	187470	8.661	ng	98
22) Acetophenone	8.192	105	283572	8.905	ng	97
24) Nitrobenzene	8.557	77	219218	8.310	ng	98
25) Isophorone	9.086	82	395130	8.662	ng	98
26) 2-Nitrophenol	9.263	139	86680	7.419	ng	98
27) 2,4-Dimethylphenol	9.339	122	118339	8.647	ng	97
28) bis(2-Chloroethoxy)met...	9.575	93	250978	8.744	ng	98
29) 2,4-Dichlorophenol	9.792	162	160657	7.912	ng	99
30) 1,2,4-Trichlorobenzene	9.998	180	183738	7.995	ng	99
31) Naphthalene	10.175	128	549144	8.356	ng	99
32) Benzoic acid	9.451	122	92771m	5.835	ng	
33) 4-Chloroaniline	10.304	127	230411	9.117	ng	99
34) Hexachlorobutadiene	10.463	225	100157	7.446	ng	99
35) Caprolactam	11.092	113	57299m	8.125	ng	
36) 4-Chloro-3-methylphenol	11.445	107	171398	7.925	ng	100
37) 2-Methylnaphthalene	11.804	142	388888	8.311	ng	99
38) 1-Methylnaphthalene	12.027	142	378233	8.179	ng	98
40) 1,2,4,5-Tetrachloroben...	12.186	216	193693	8.112	ng	99
41) Hexachlorocyclopentadiene	12.163	237	78745	9.445	ng	98
43) 2,4,6-Trichlorophenol	12.439	196	130760	7.705	ng	98

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 LOD-MDL-SOIL-01-QT3-2024

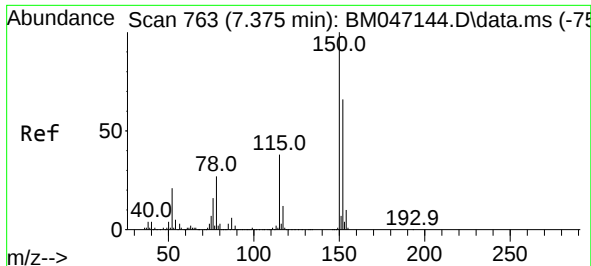
Quant Time: Aug 12 15:07:44 2024
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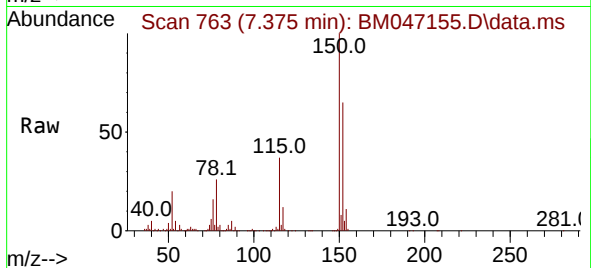
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.516	196	143074	7.593	ng	97
46) 1,1'-Biphenyl	12.851	154	532580	8.546	ng	99
47) 2-Chloronaphthalene	12.886	162	419024	8.603	ng	99
48) 2-Nitroaniline	13.110	65	128878	8.446	ng	94
49) Acenaphthylene	13.745	152	691183	9.627	ng	99
50) Dimethylphthalate	13.504	163	541905	8.864	ng	100
51) 2,6-Dinitrotoluene	13.621	165	115771	8.101	ng	96
52) Acenaphthene	14.092	154	393925	8.649	ng	99
53) 3-Nitroaniline	13.951	138	120154	8.390	ng	98
54) 2,4-Dinitrophenol	14.168	184	48953	5.715	ng	94
55) Dibenzofuran	14.433	168	651379	9.055	ng	99
56) 4-Nitrophenol	14.292	139	95429	7.728	ng	95
57) 2,4-Dinitrotoluene	14.421	165	152018	7.969	ng	92
58) Fluorene	15.092	166	531643	8.957	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.674	232	127898	8.259	ng	94
60) Diethylphthalate	14.892	149	547764	8.774	ng	98
61) 4-Chlorophenyl-phenyle...	15.098	204	246708	8.730	ng	99
62) 4-Nitroaniline	15.127	138	117874m	8.355	ng	
63) Azobenzene	15.392	77	537085	9.073	ng	99
65) 4,6-Dinitro-2-methylph...	15.192	198	77257	6.648	ng	96
66) n-Nitrosodiphenylamine	15.315	169	461350	8.534	ng	99
67) 4-Bromophenyl-phenylether	15.992	248	146776	7.674	ng	94
68) Hexachlorobenzene	16.098	284	182329	7.960	ng	99
69) Atrazine	16.286	200	163422	10.046	ng	98
70) Pentachlorophenol	16.451	266	101680	6.332	ng	99
71) Phenanthrene	16.833	178	858077	8.614	ng	99
72) Anthracene	16.921	178	845394	8.722	ng	100
73) Carbazole	17.204	167	821269	8.299	ng	99
74) Di-n-butylphthalate	17.792	149	949251	8.244	ng	99
75) Fluoranthene	18.868	202	985968	8.138	ng	99
77) Benzidine	19.074	184	346989	10.953	ng	99
78) Pyrene	19.233	202	1042805	7.818	ng	99
80) Butylbenzylphthalate	20.174	149	421036	7.735	ng	98
81) Benzo(a)anthracene	21.009	228	1011740	8.159	ng	99
82) 3,3'-Dichlorobenzidine	20.956	252	371226	9.568	ng	99
83) Chrysene	21.068	228	947196	8.051	ng	98
84) Bis(2-ethylhexyl)phtha...	20.974	149	629384	8.153	ng	99
85) Di-n-octyl phthalate	22.009	149	1001117	7.630	ng	98
87) Indeno(1,2,3-cd)pyrene	26.709	276	1133665	7.938	ng	99
88) Benzo(b)fluoranthene	22.880	252	1055112	8.041	ng	99
89) Benzo(k)fluoranthene	22.938	252	979390	7.902	ng	99
90) Benzo(a)pyrene	23.597	252	887084	7.804	ng	99
91) Dibenzo(a,h)anthracene	26.762	278	943732	8.165	ng	98
92) Benzo(g,h,i)perylene	27.638	276	912547	7.604	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 70
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

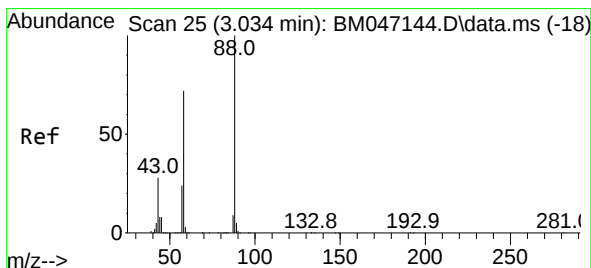
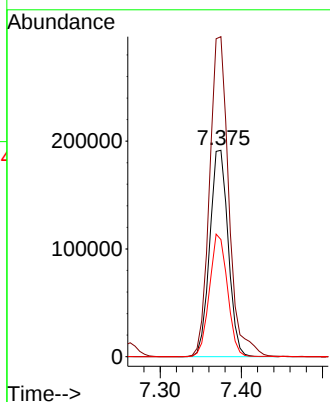
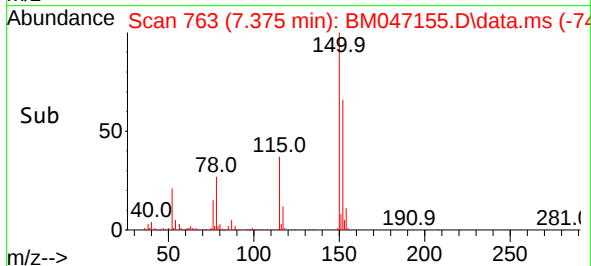
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



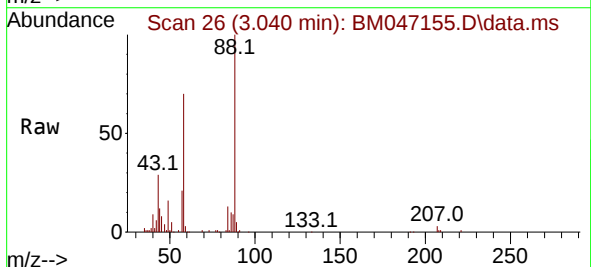
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Ion Ratio Lower Upper
152 100
150 155.0 120.5 180.7
115 56.7 45.5 68.3

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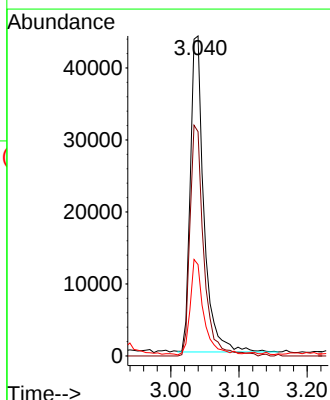
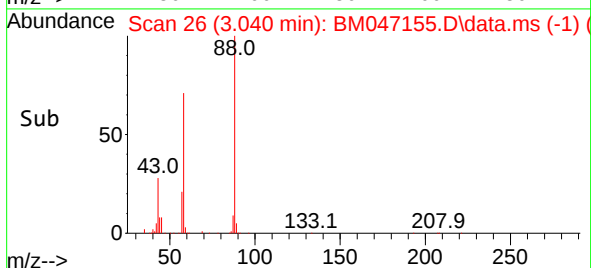
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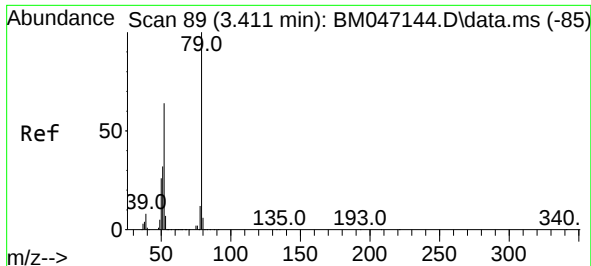


#2
1,4-Dioxane
Concen: 8.662 ng
RT: 3.040 min Scan# 26
Delta R.T. 0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



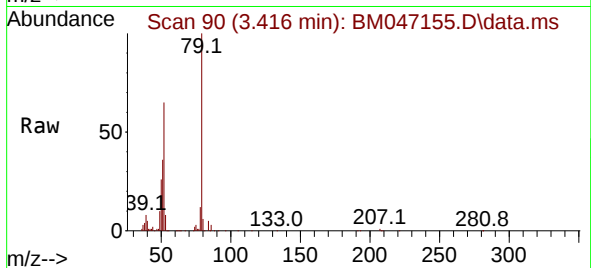
Tgt Ion: 88 Resp: 60576
Ion Ratio Lower Upper
88 100
58 73.9 58.2 87.4
43 30.0 22.5 33.7





#3
 Pyridine
 Concen: 7.475 ng
 RT: 3.416 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: BM047155.D
 Acq: 12 Aug 2024 13:45

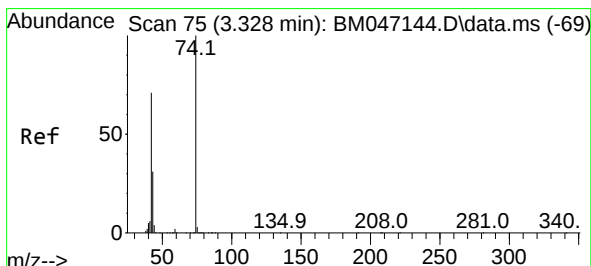
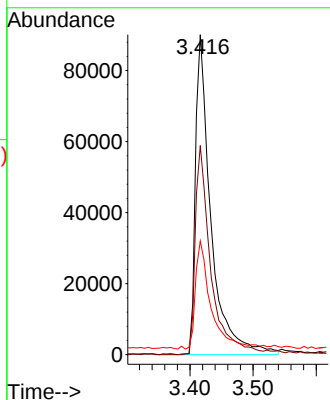
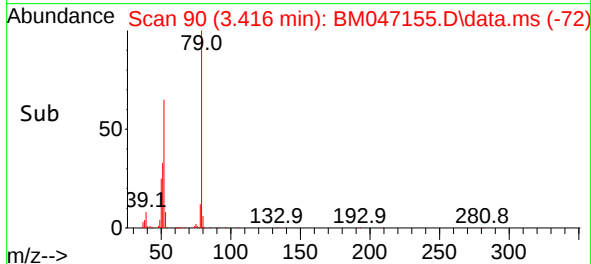
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024



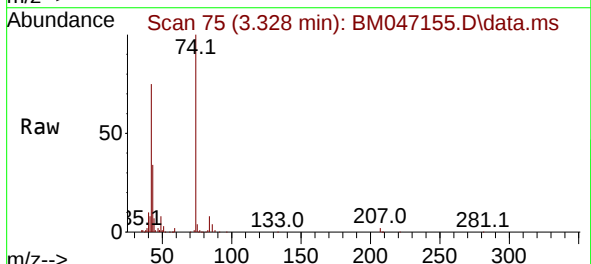
Tgt Ion: 79 Resp: 15330
 Ion Ratio Lower Upper
 79 100
 52 65.4 51.2 76.8
 51 35.6 26.1 39.1

Manual Integrations
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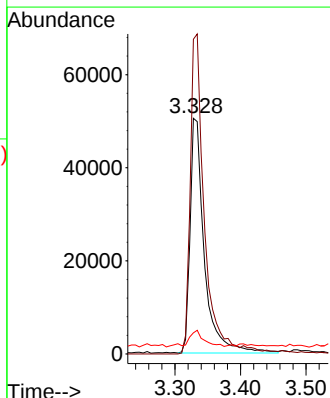
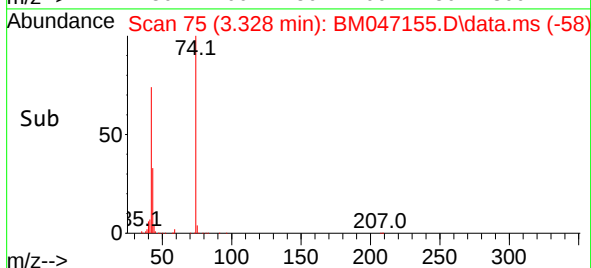
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 Supervised By :mohammad ahmed 08/14/2024

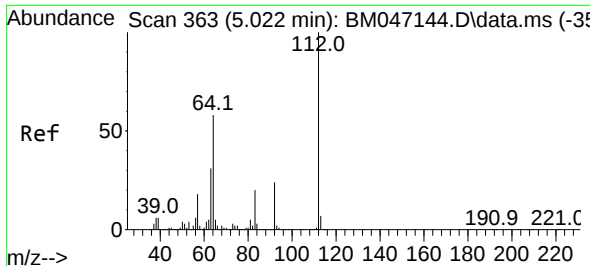


#4
 n-Nitrosodimethylamine
 Concen: 8.522 ng
 RT: 3.328 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: BM047155.D
 Acq: 12 Aug 2024 13:45



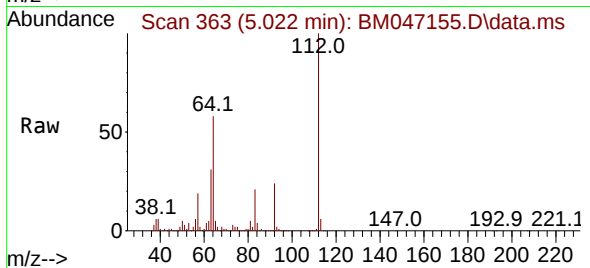
Tgt Ion: 42 Resp: 76357
 Ion Ratio Lower Upper
 42 100
 74 133.6 112.9 169.3
 44 9.0 5.3 7.9





#5
2-Fluorophenol
Concen: 134.944 ng
RT: 5.022 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

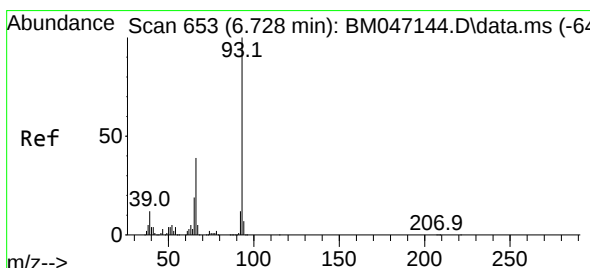
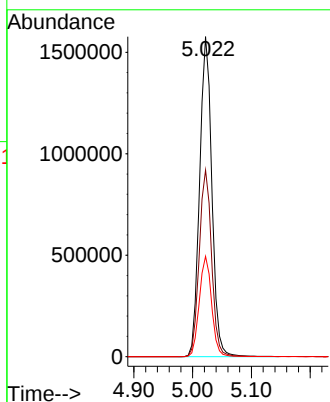
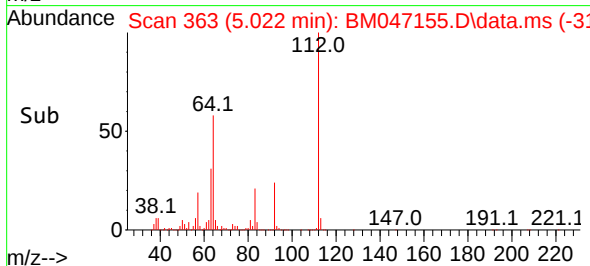
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ClientSampleId :
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Tgt Ion:112 Resp: 227774
Ion Ratio Lower Upper
112 100
64 58.3 46.7 70.1
63 31.3 24.8 37.2

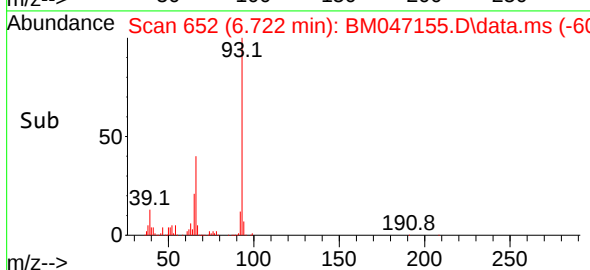
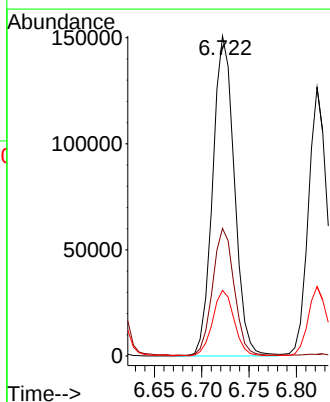
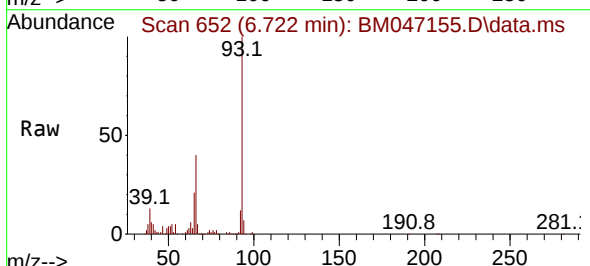
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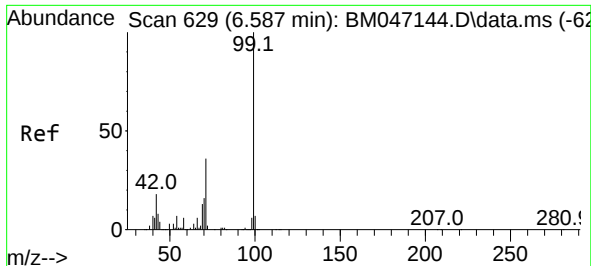
Reviewed By :Yogesh Patel 08/13/2024
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#6
Aniline
Concen: 10.929 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

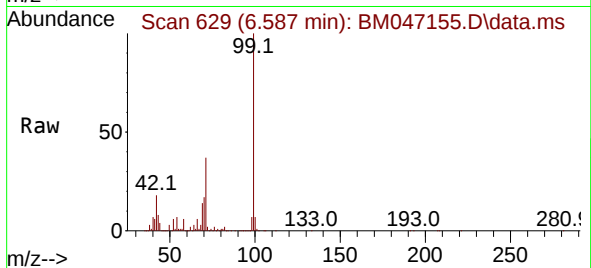
Tgt Ion: 93 Resp: 240253
Ion Ratio Lower Upper
93 100
66 39.8 31.4 47.2
65 20.5 15.6 23.4





#7
Phenol-d6
Concen: 137.872 ng
RT: 6.587 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

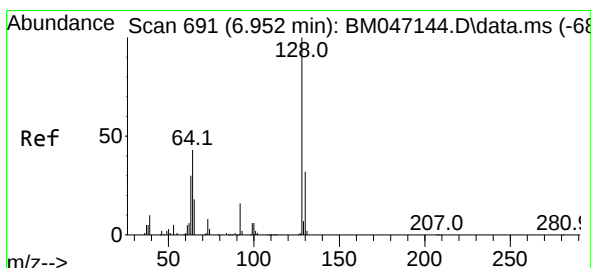
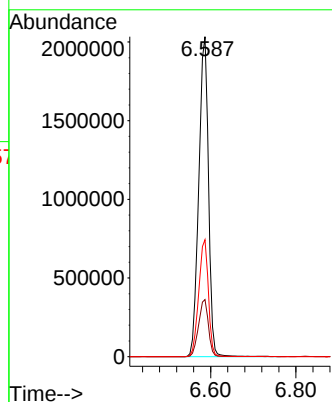
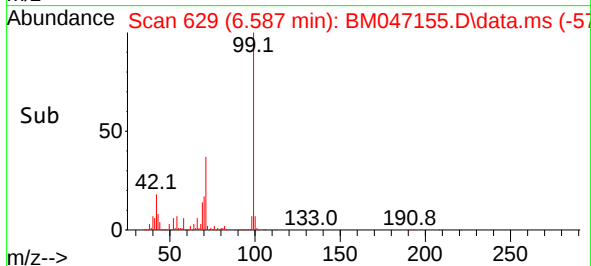
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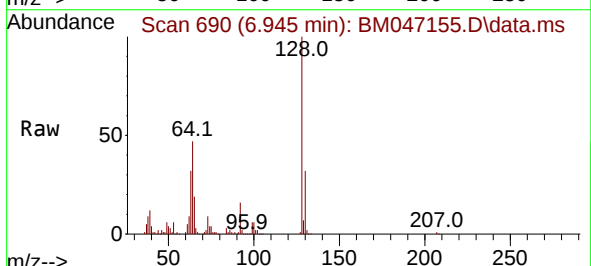
Tgt Ion: 99 Resp: 320663
Ion Ratio Lower Upper
99 100
42 17.9 14.1 21.1
71 36.6 28.5 42.7

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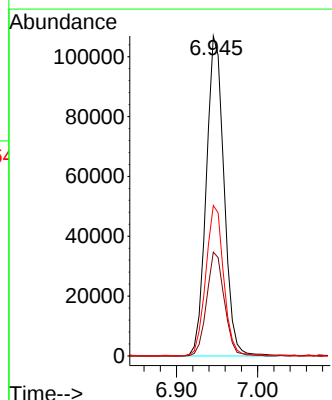
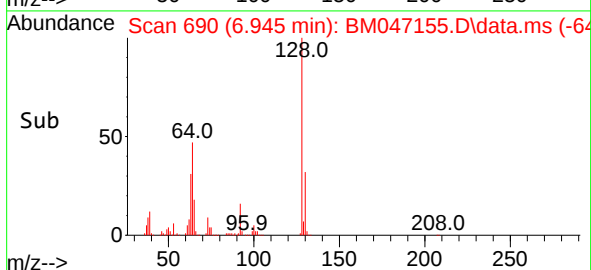
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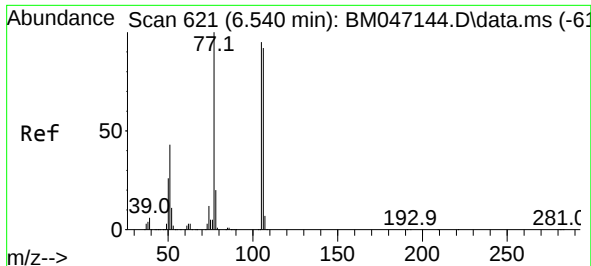


#8
2-Chlorophenol
Concen: 8.804 ng
RT: 6.945 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



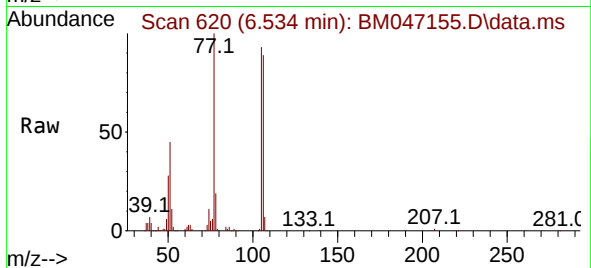
Tgt Ion:128 Resp: 162072
Ion Ratio Lower Upper
128 100
130 32.5 12.1 52.1
64 47.0 26.6 66.6





#9
Benzaldehyde
Concen: 9.042 ng m
RT: 6.534 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

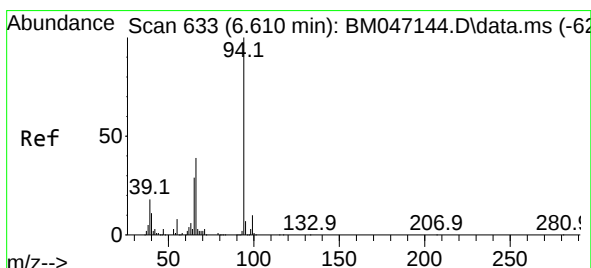
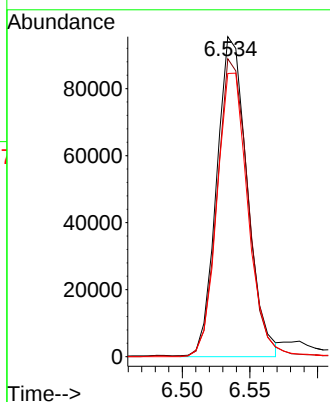
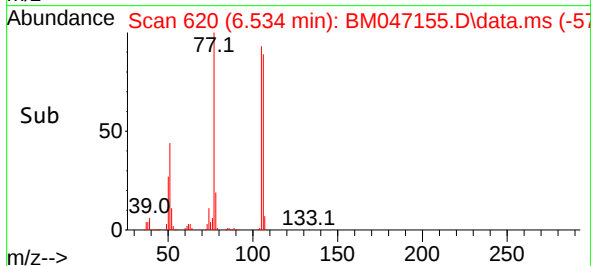
Instrument :
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Tgt Ion: 77 Resp: 15024
Ion Ratio Lower Upper
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105 93.1 74.5 114.5
106 88.5 72.3 112.3

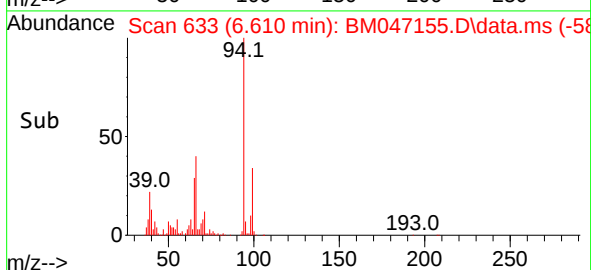
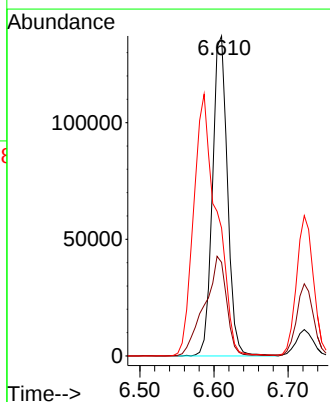
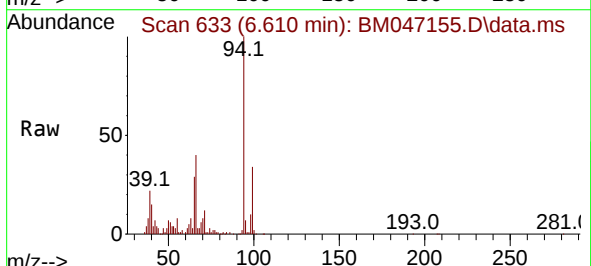
Manual Integrations
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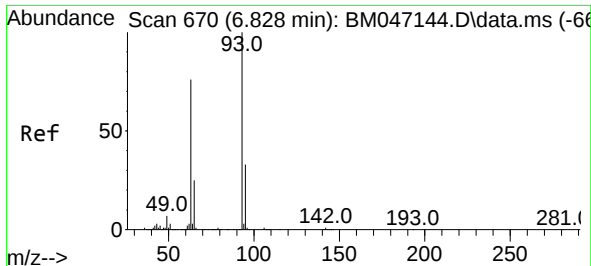
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#10
Phenol
Concen: 8.292 ng
RT: 6.610 min Scan# 633
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

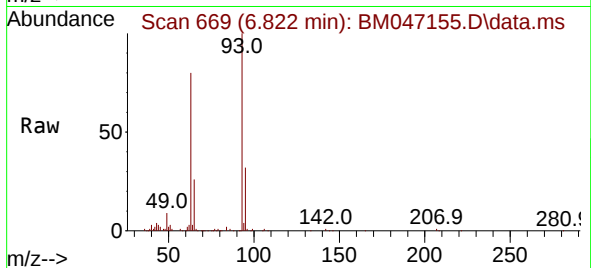
Tgt Ion: 94 Resp: 192428
Ion Ratio Lower Upper
94 100
65 29.3 9.0 49.0
66 40.0 18.9 58.9





#11
bis(2-Chloroethyl)ether
Concen: 8.951 ng
RT: 6.822 min Scan# 669
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

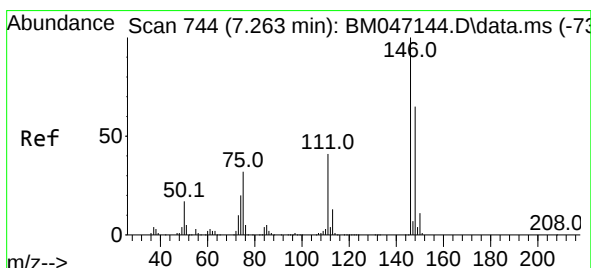
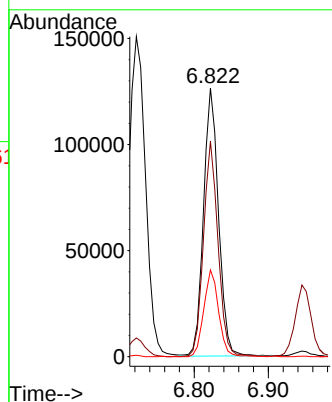
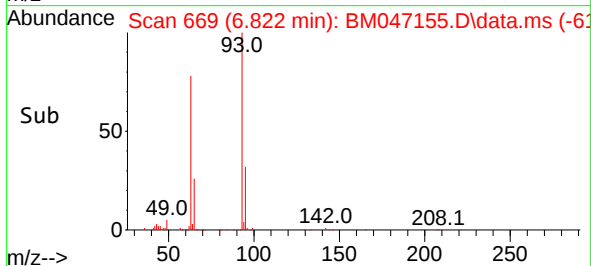
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion: 93 Resp: 17790
Ion Ratio Lower Upper
93 100
63 80.2 55.8 95.8
95 32.3 12.7 52.7

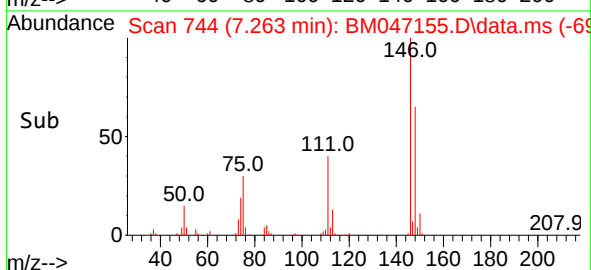
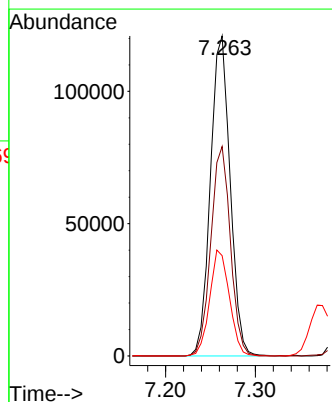
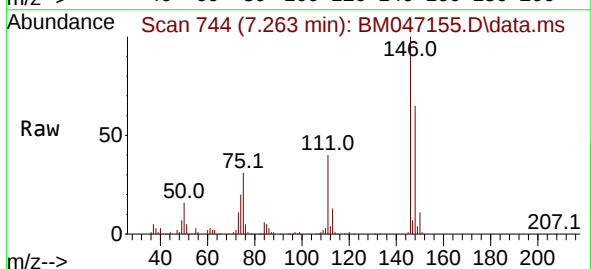
Manual Integrations
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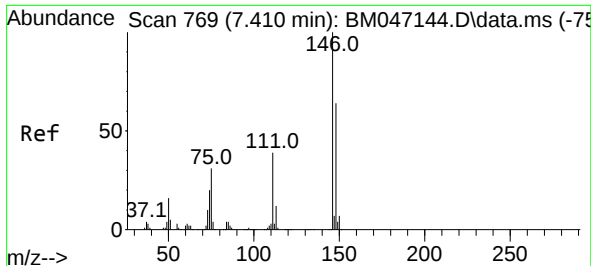
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#12
1,3-Dichlorobenzene
Concen: 8.428 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

Tgt Ion:146 Resp: 184379
Ion Ratio Lower Upper
146 100
148 65.5 52.3 78.5
75 31.4 25.8 38.6





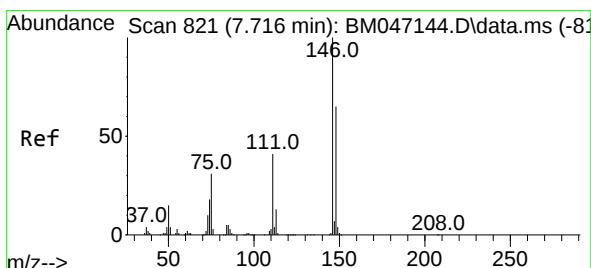
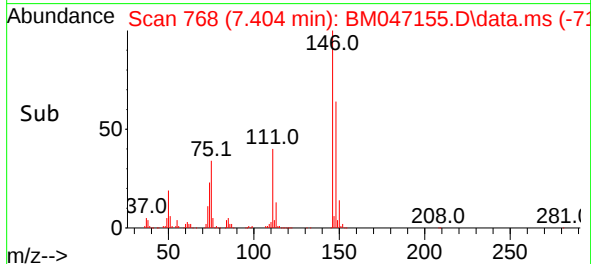
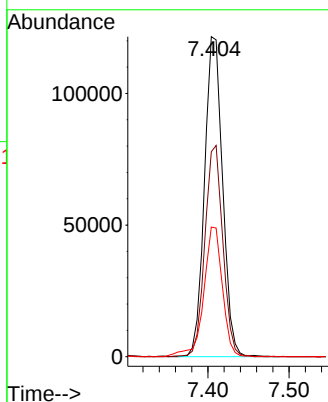
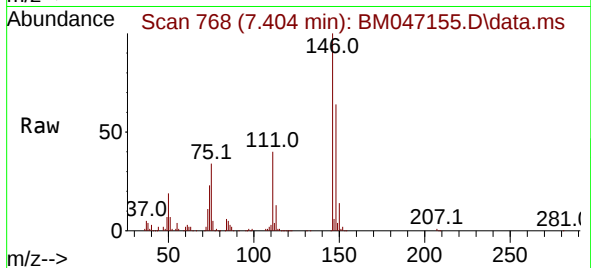
#13
1,4-Dichlorobenzene
Concen: 8.500 ng
RT: 7.404 min Scan# 768
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:146 Resp: 18828
Ion Ratio Lower Upper
146 100
148 64.1 51.4 77.2
111 40.5 31.5 47.3

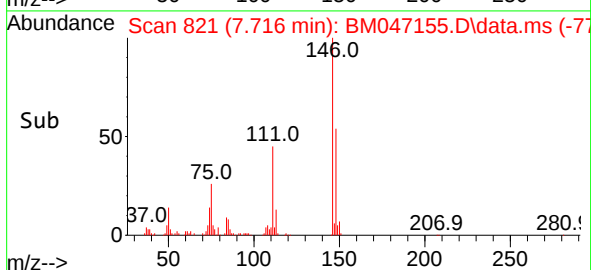
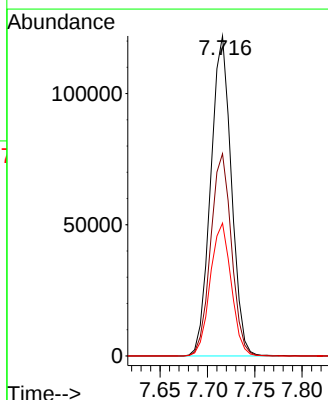
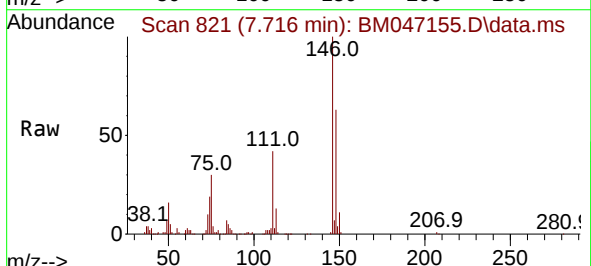
Manual Integrations
APPROVED

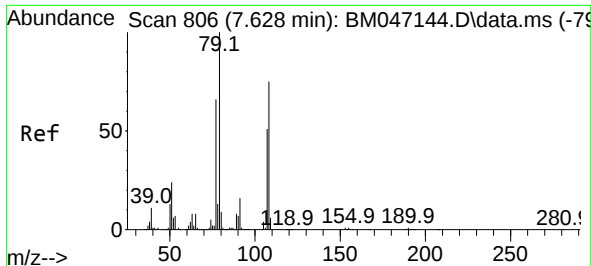
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#14
1,2-Dichlorobenzene
Concen: 8.866 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

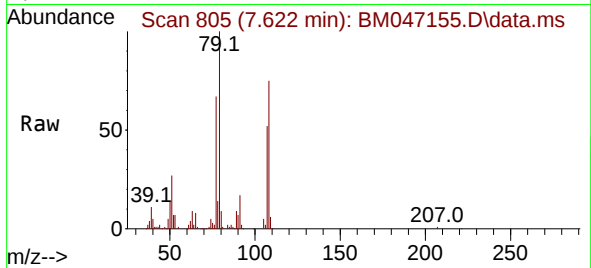
Tgt Ion:146 Resp: 185290
Ion Ratio Lower Upper
146 100
148 63.2 51.8 77.8
111 41.5 33.3 49.9





#15
Benzyl Alcohol
Concen: 9.623 ng
RT: 7.622 min Scan# 805
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

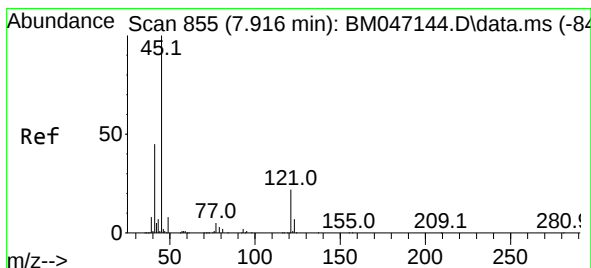
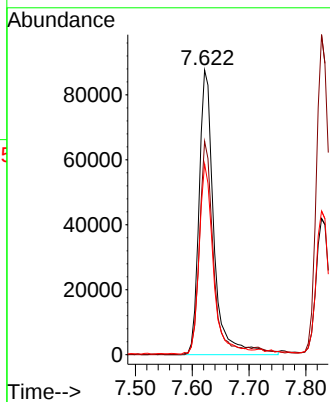
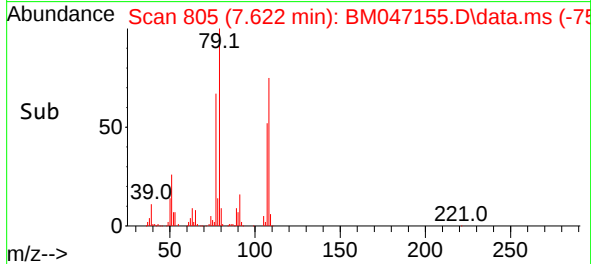
Instrument : BNA_M
Client SampleId : LOD-MDL-SOIL-01-QT3-2024



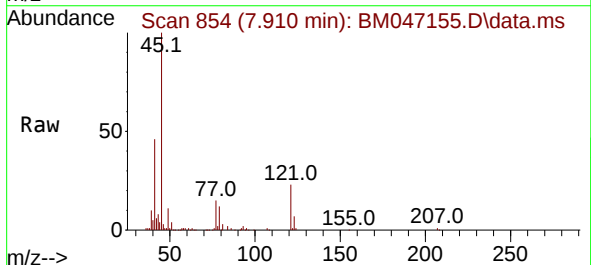
Tgt Ion: 79 Resp: 159294
Ion Ratio Lower Upper
79 100
108 75.0 59.7 89.5
77 67.0 52.9 79.3

Manual Integrations
APPROVED

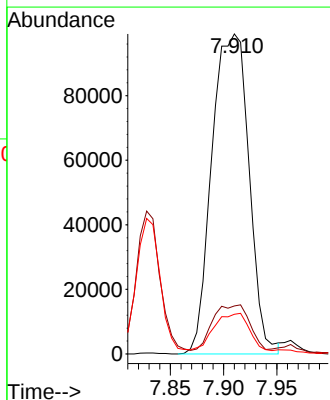
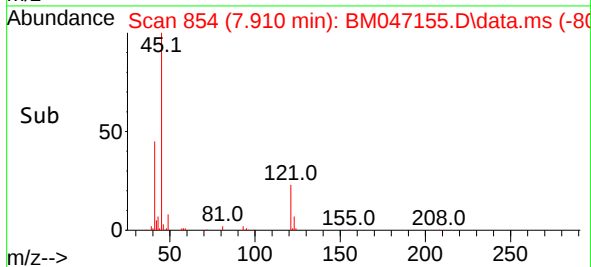
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

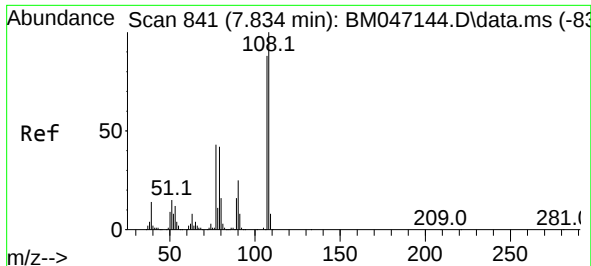


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.409 ng
RT: 7.910 min Scan# 854
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



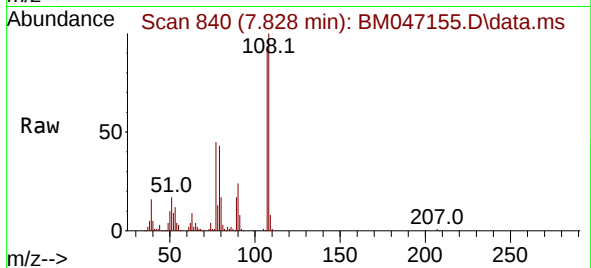
Tgt Ion: 45 Resp: 239956
Ion Ratio Lower Upper
45 100
77 15.0 0.0 35.6
79 12.4 0.0 32.4





#17
2-Methylphenol
Concen: 8.791 ng
RT: 7.828 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

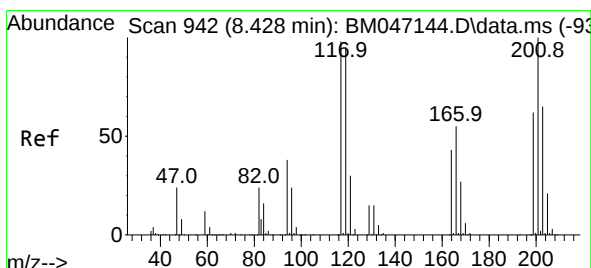
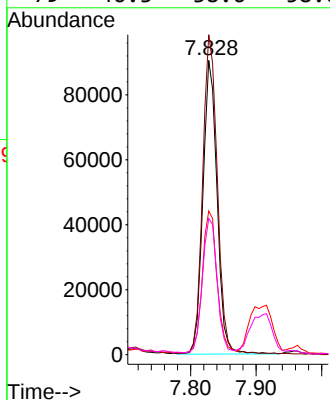
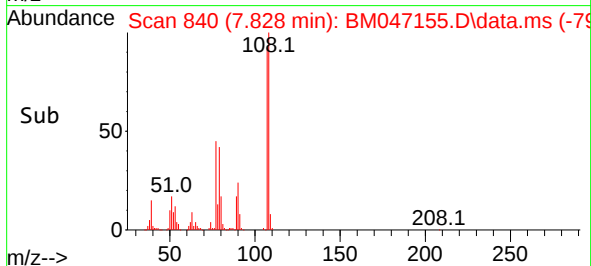
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:	107	Resp:	136114
Ion	Ratio	Lower	Upper
107	100		
108	108.7	90.6	135.8
77	48.8	39.3	58.9
79	46.3	38.6	58.0

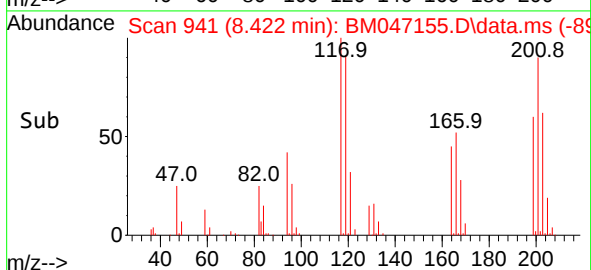
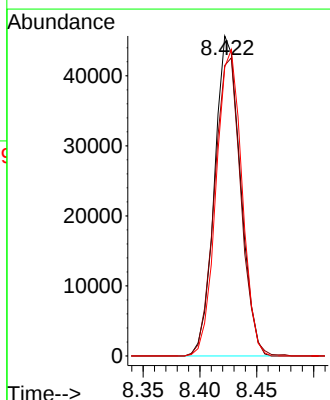
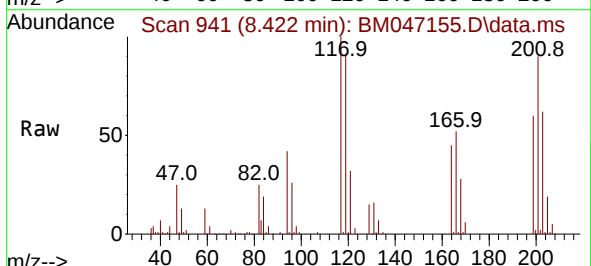
Manual Integrations
APPROVED

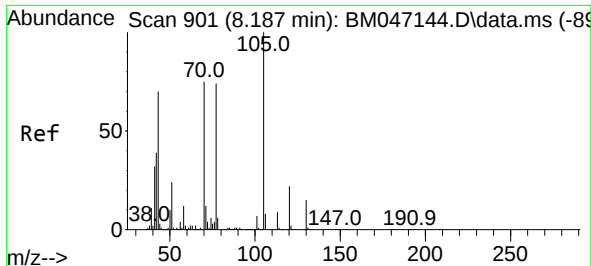
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#18
Hexachloroethane
Concen: 8.410 ng
RT: 8.422 min Scan# 941
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

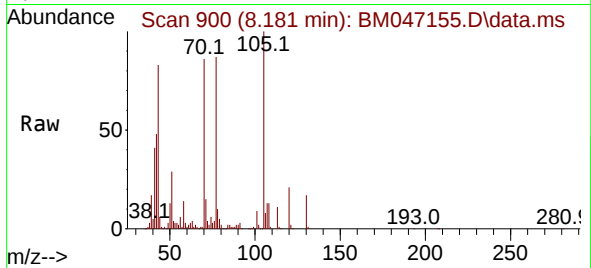
Tgt Ion:	117	Resp:	72153
Ion	Ratio	Lower	Upper
117	100		
119	90.8	77.0	115.4
201	90.2	81.3	121.9





#19
n-Nitroso-di-n-propylamine
Concen: 9.563 ng
RT: 8.181 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

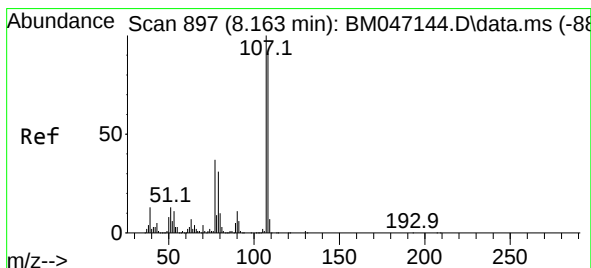
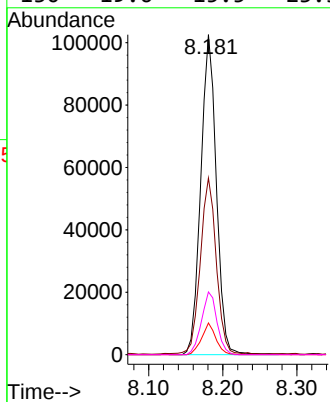
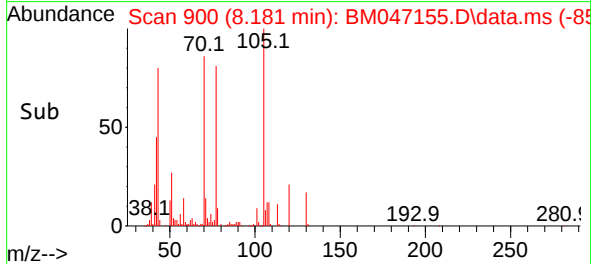
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion: 70 Resp: 14981
Ion Ratio Lower Upper
70 100
42 55.2 42.0 63.0
101 9.9 7.2 10.8
130 19.6 15.5 23.3

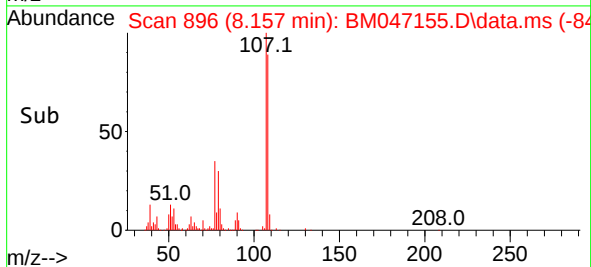
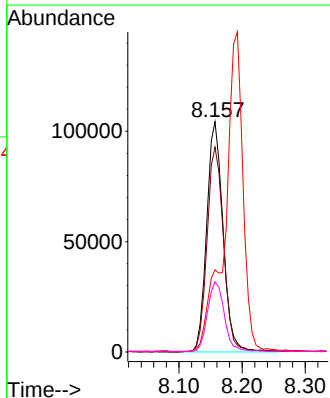
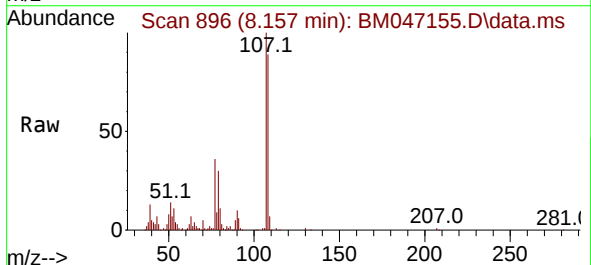
Manual Integrations
APPROVED

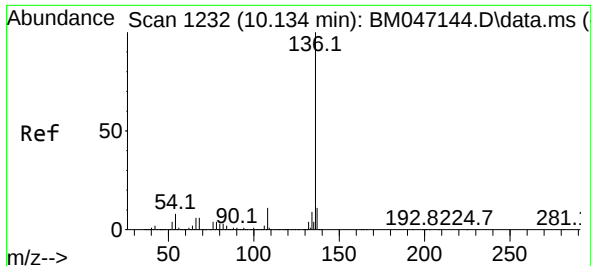
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#20
3+4-Methylphenols
Concen: 8.661 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

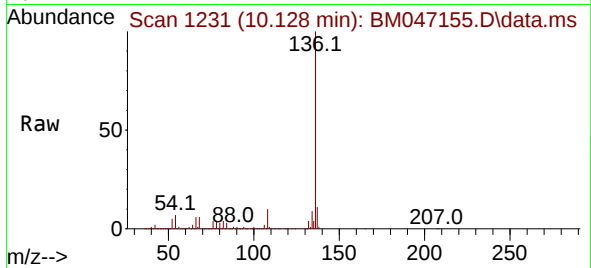
Tgt Ion:107 Resp: 187470
Ion Ratio Lower Upper
107 100
108 88.9 70.7 110.7
77 35.7 17.4 57.4
79 30.4 10.9 50.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

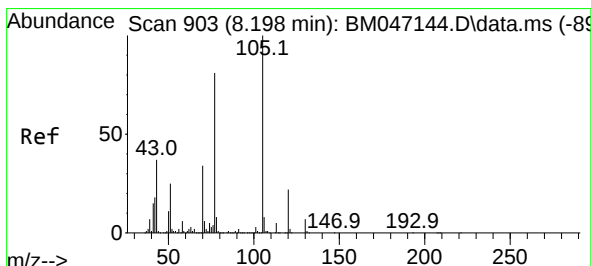
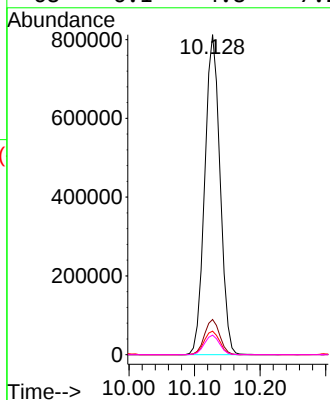
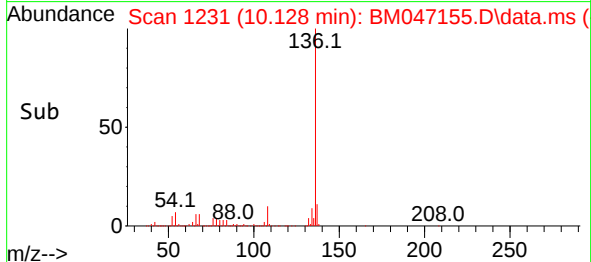
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:136 Resp: 1319220
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.3 6.0 9.0
68 6.1 4.8 7.2

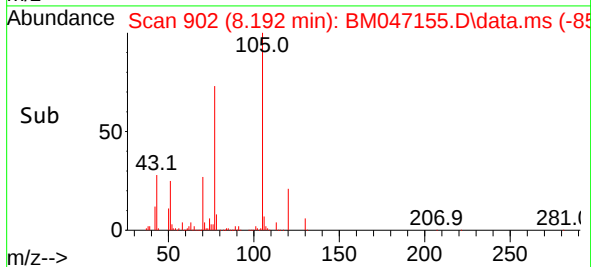
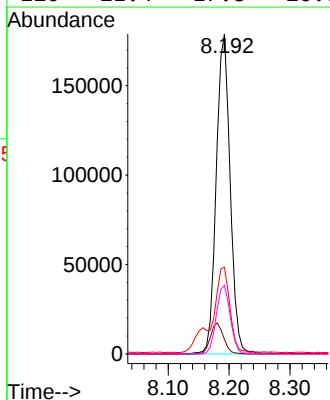
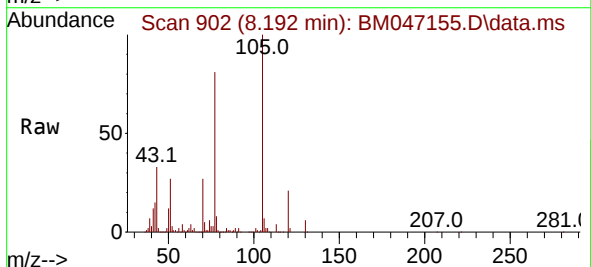
Manual Integrations
APPROVED

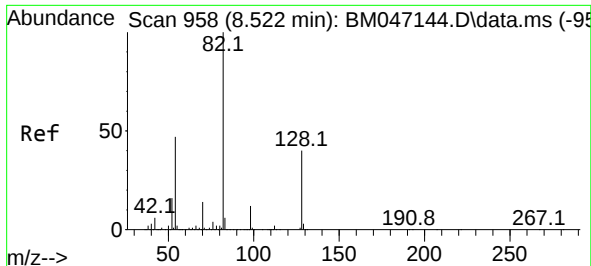
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#22
Acetophenone
Concen: 8.905 ng
RT: 8.192 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

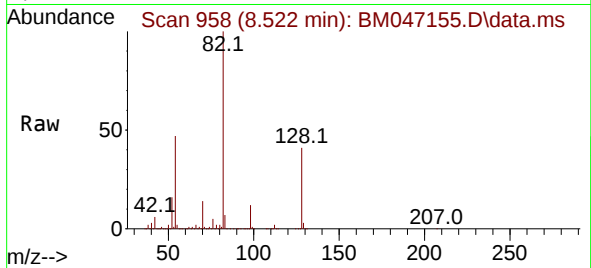
Tgt Ion:105 Resp: 283572
Ion Ratio Lower Upper
105 100
71 4.6 4.5 6.7
51 27.1 20.1 30.1
120 21.4 17.8 26.6





#23
Nitrobenzene-d5
Concen: 84.389 ng
RT: 8.522 min Scan# 910
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

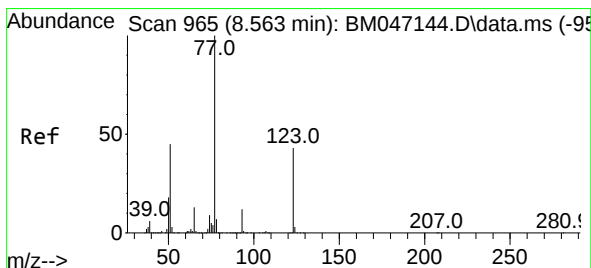
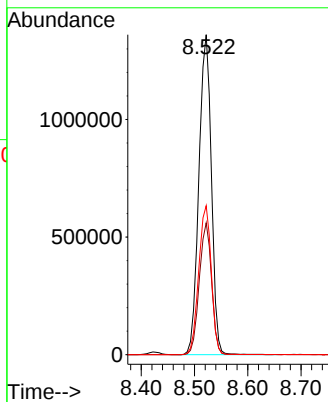
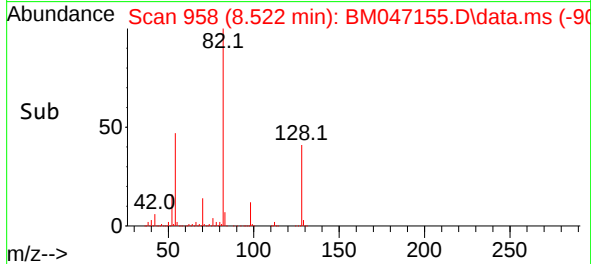
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



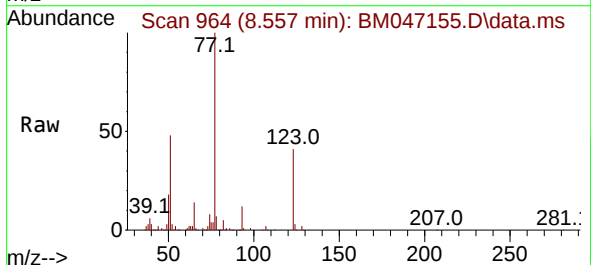
Tgt Ion: 82 Resp: 2210920
Ion Ratio Lower Upper
82 100
128 41.2 32.3 48.5
54 46.6 37.4 56.2

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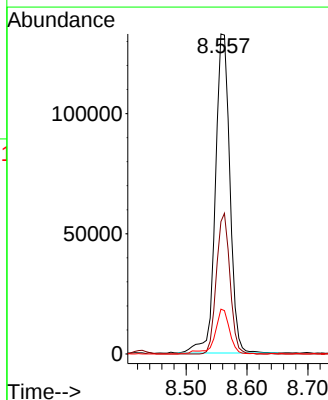
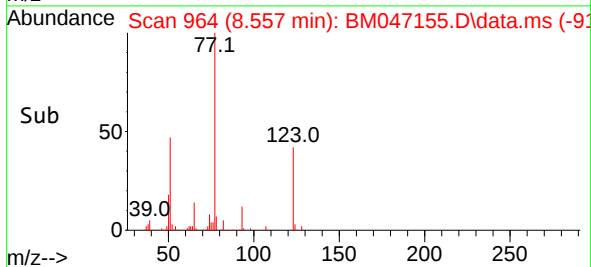
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

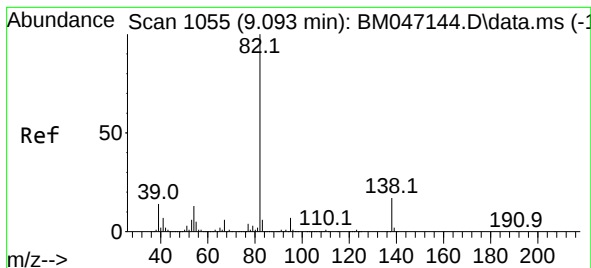


#24
Nitrobenzene
Concen: 8.310 ng
RT: 8.557 min Scan# 964
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



Tgt Ion: 77 Resp: 219218
Ion Ratio Lower Upper
77 100
123 41.3 34.0 51.0
65 14.0 10.5 15.7





#25

Isophorone

Concen: 8.662 ng

RT: 9.086 min Scan# 1054

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion: 82 Resp: 395130

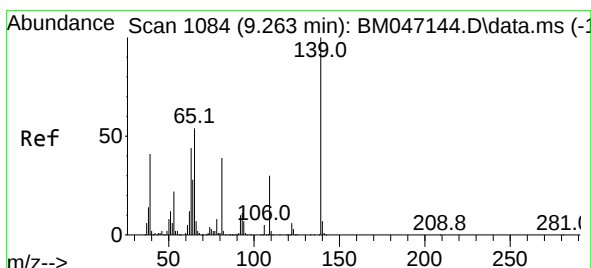
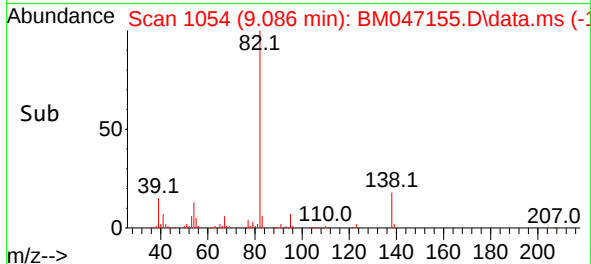
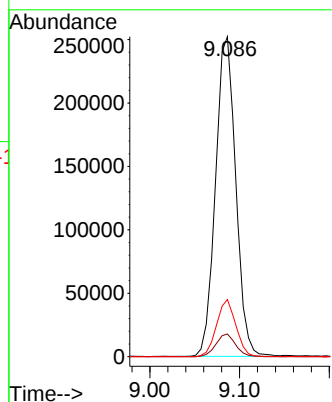
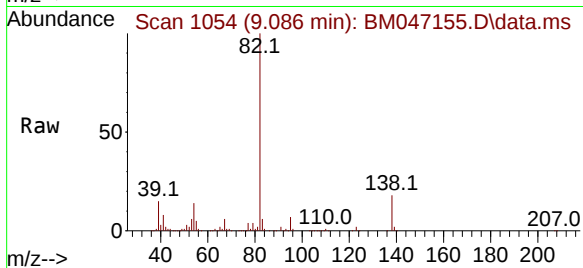
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	17.8	13.5	20.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#26

2-Nitrophenol

Concen: 7.419 ng

RT: 9.263 min Scan# 1084

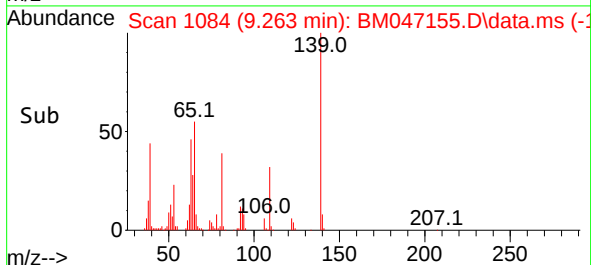
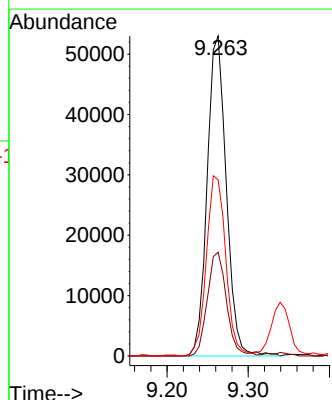
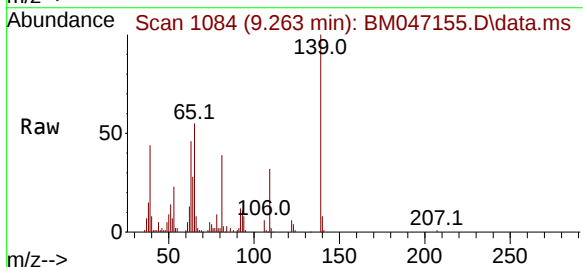
Delta R.T. -0.000 min

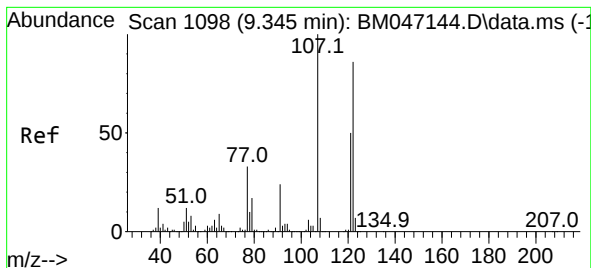
Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Tgt Ion:139 Resp: 86680

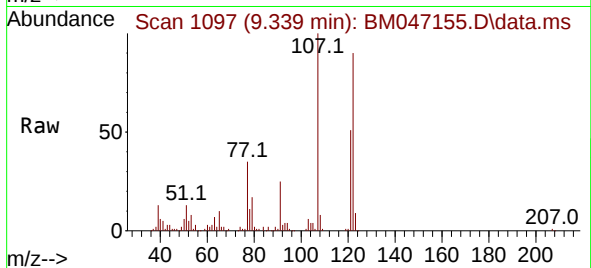
Ion	Ratio	Lower	Upper
139	100		
109	32.4	24.4	36.6
65	55.1	43.0	64.6





#27
2,4-Dimethylphenol
Concen: 8.647 ng
RT: 9.339 min Scan# 1097
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

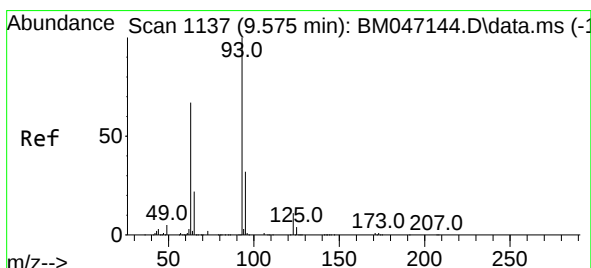
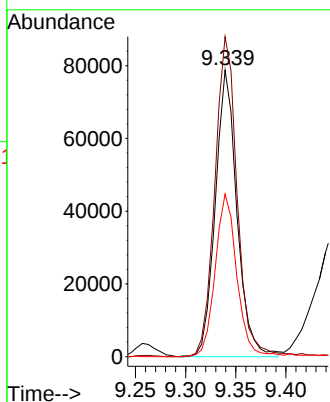
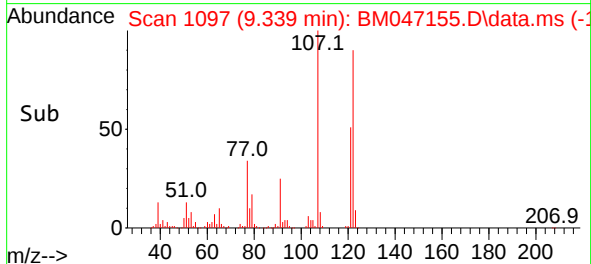
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:122 Resp: 118339
Ion Ratio Lower Upper
122 100
107 111.7 92.8 139.2
121 56.8 46.1 69.1

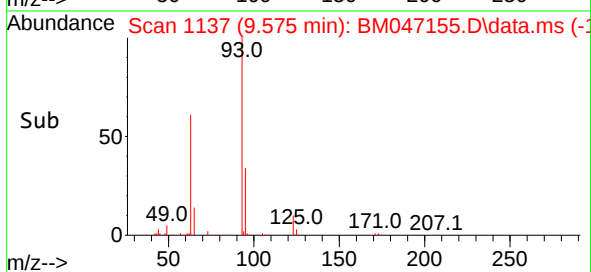
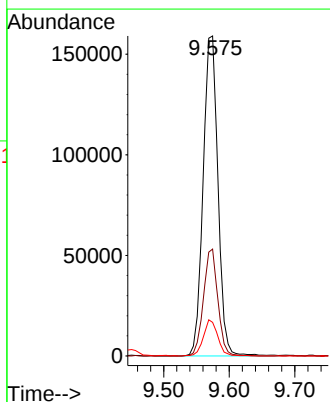
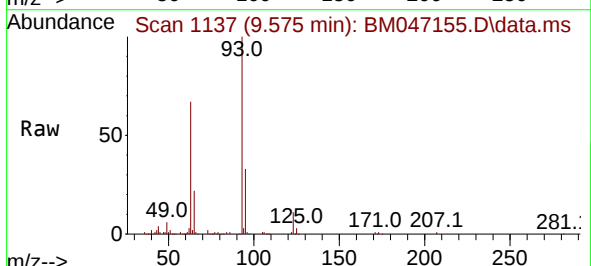
Manual Integrations
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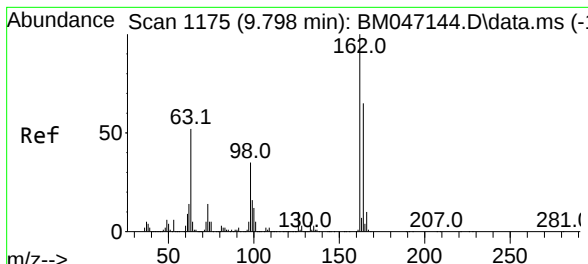
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#28
bis(2-Chloroethoxy)methane
Concen: 8.744 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

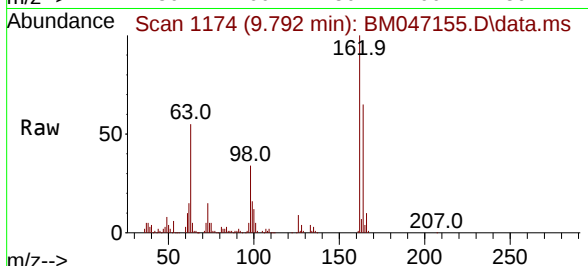
Tgt Ion: 93 Resp: 250978
Ion Ratio Lower Upper
93 100
95 33.4 25.8 38.8
123 10.5 9.0 13.4





#29
 2,4-Dichlorophenol
 Concen: 7.912 ng
 RT: 9.792 min Scan# 1174
 Delta R.T. -0.006 min
 Lab File: BM047155.D
 Acq: 12 Aug 2024 13:45

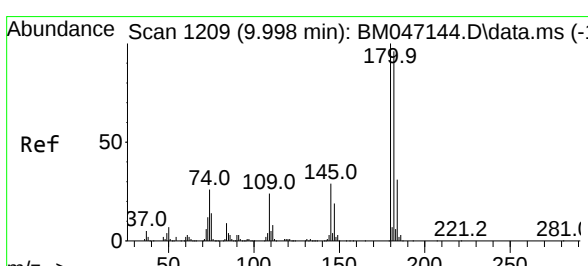
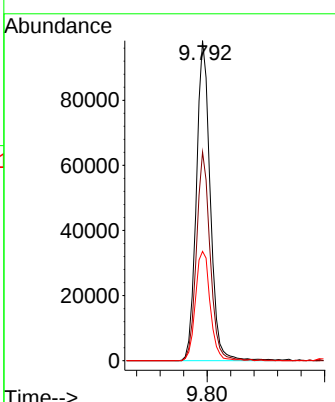
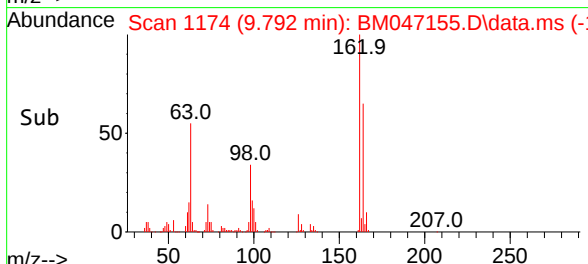
Instrument : BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:162 Resp: 16065

Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.7	84.7
98	34.2	14.9	54.9

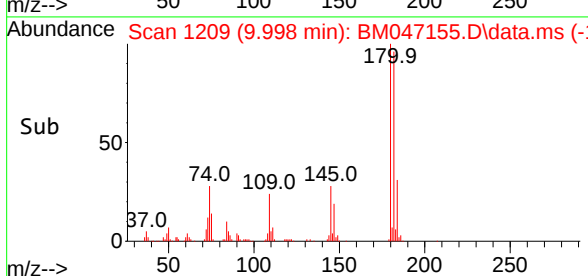
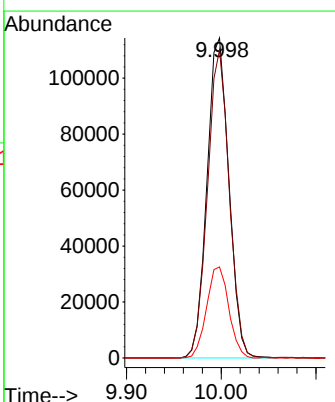
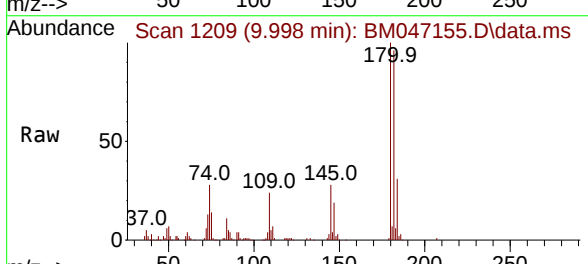
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 08/13/2024
 Supervised By :mohammad ahmed 08/14/2024

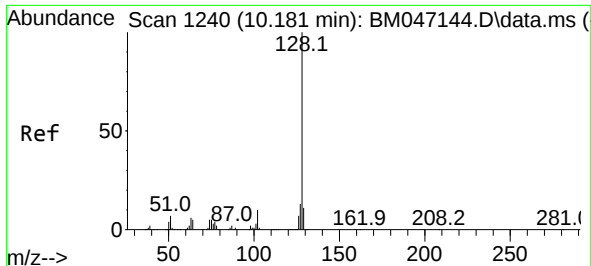


#30
 1,2,4-Trichlorobenzene
 Concen: 7.995 ng
 RT: 9.998 min Scan# 1209
 Delta R.T. -0.000 min
 Lab File: BM047155.D
 Acq: 12 Aug 2024 13:45

Tgt Ion:180 Resp: 183738

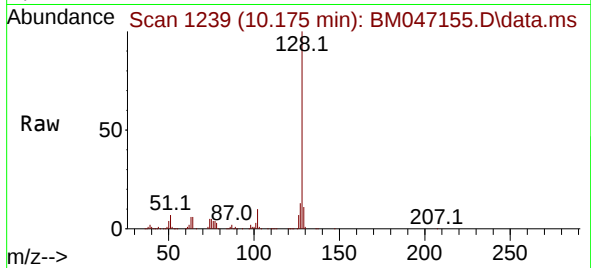
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	115.0
145	28.5	23.4	35.2





#31
Naphthalene
Concen: 8.356 ng
RT: 10.175 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

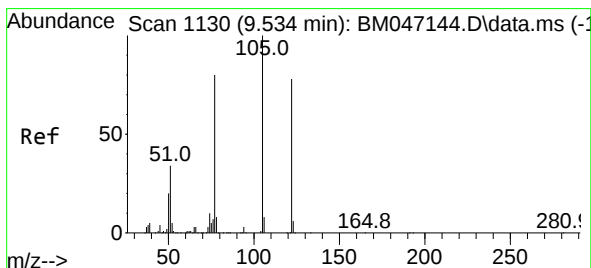
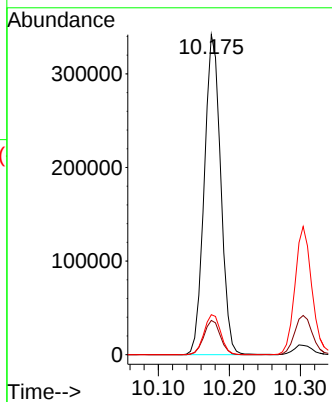
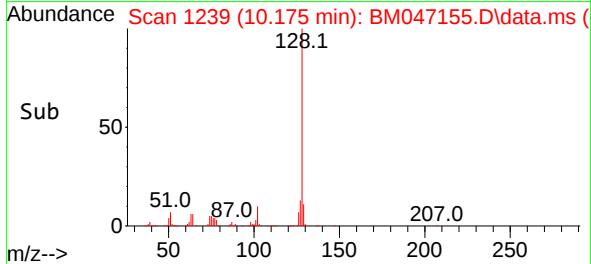
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



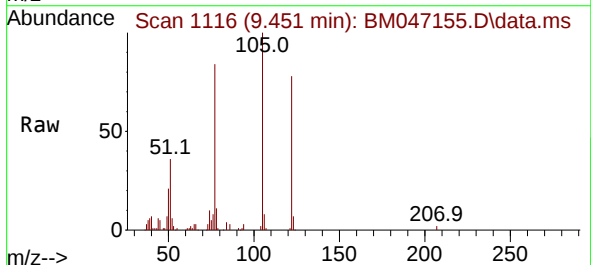
Tgt Ion:128 Resp: 549144
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 12.5 10.2 15.4

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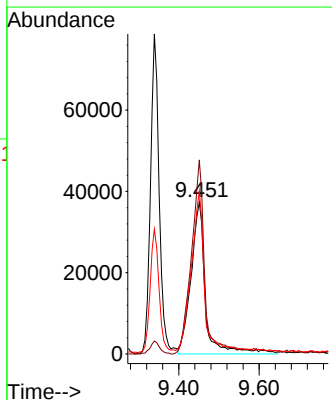
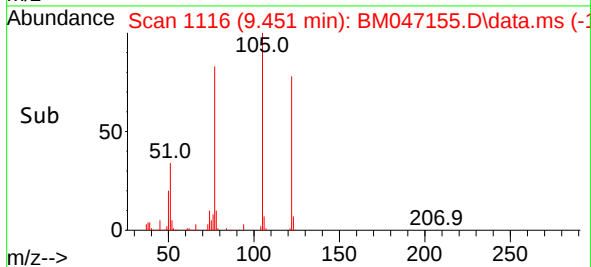
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

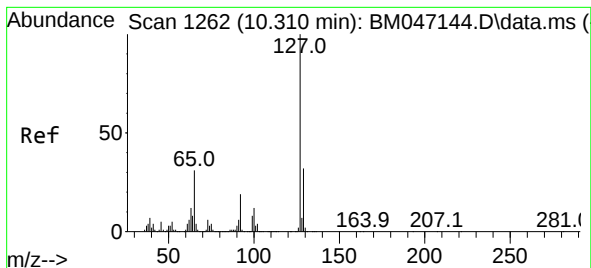


#32
Benzoic acid
Concen: 5.835 ng m
RT: 9.451 min Scan# 1116
Delta R.T. -0.083 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



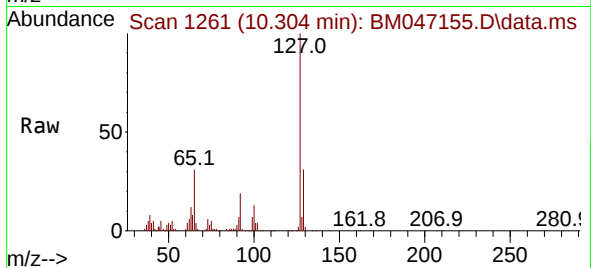
Tgt Ion:122 Resp: 92771
Ion Ratio Lower Upper
122 100
105 127.8 107.1 147.1
77 107.3 82.1 122.1





#33
4-Chloroaniline
Concen: 9.117 ng
RT: 10.304 min Scan# 1261
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

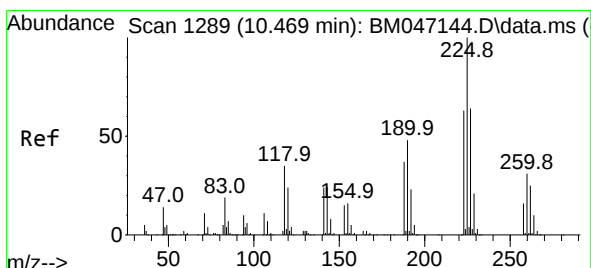
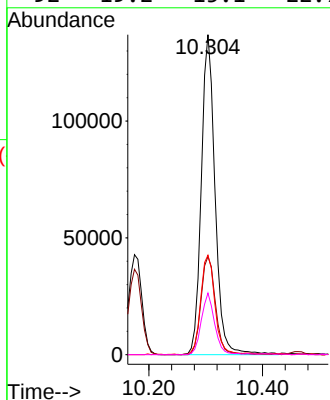
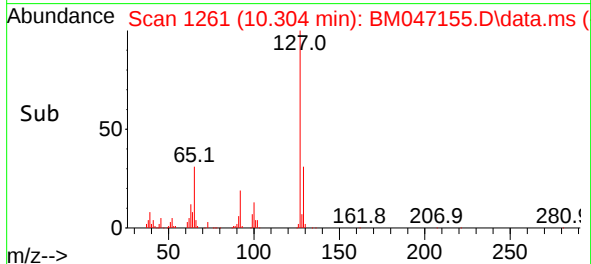
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:127 Resp: 23041
Ion Ratio Lower Upper
127 100
129 30.6 25.8 38.8
65 31.1 24.9 37.3
92 19.2 15.1 22.7

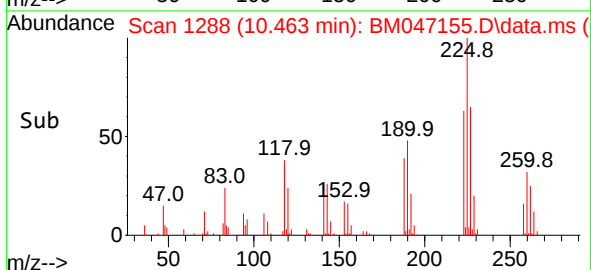
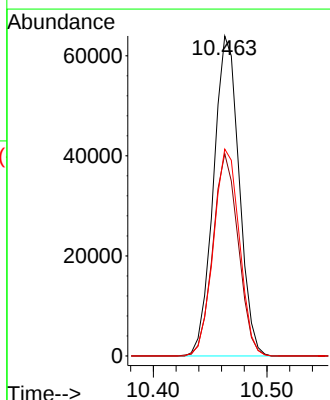
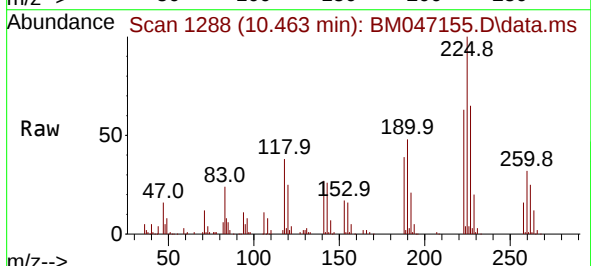
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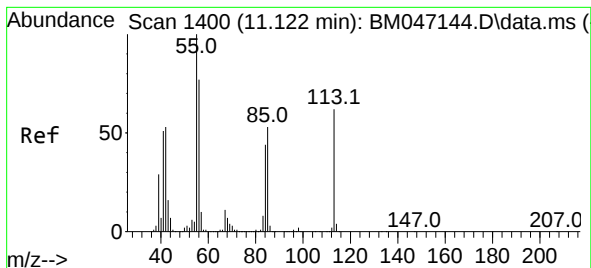
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#34
Hexachlorobutadiene
Concen: 7.446 ng
RT: 10.463 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

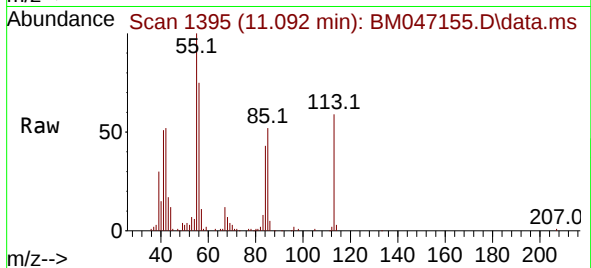
Tgt Ion:225 Resp: 100157
Ion Ratio Lower Upper
225 100
223 63.2 50.2 75.2
227 64.6 51.4 77.0





#35
Caprolactam
Concen: 8.125 ng m
RT: 11.092 min Scan# 11092
Delta R.T. -0.030 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

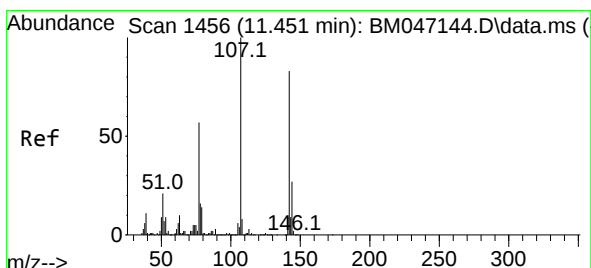
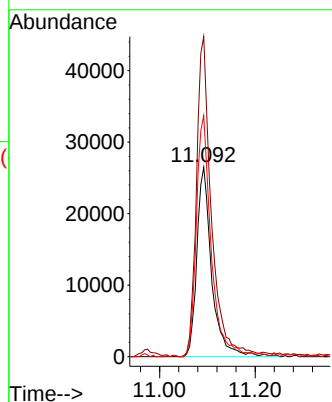
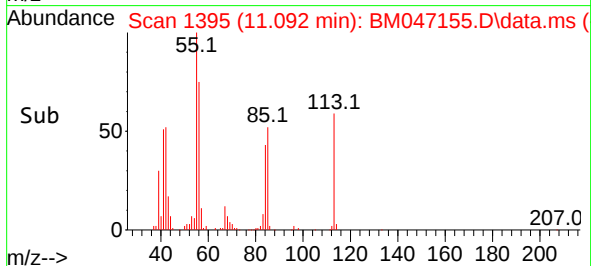
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



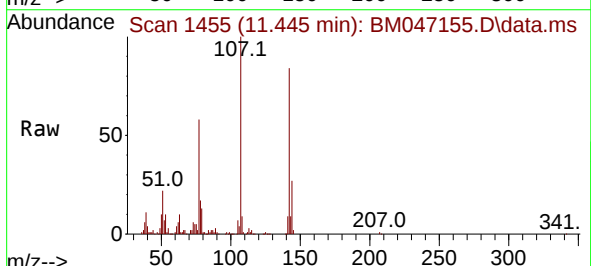
Tgt Ion:113 Resp: 57298
Ion Ratio Lower Upper
113 100
55 168.9 140.5 180.5
56 127.3 103.6 143.6

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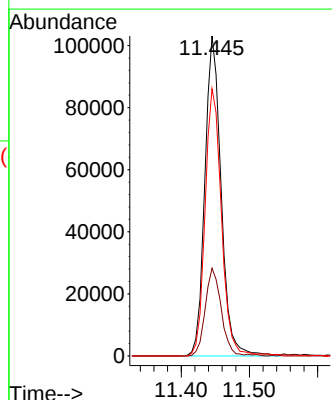
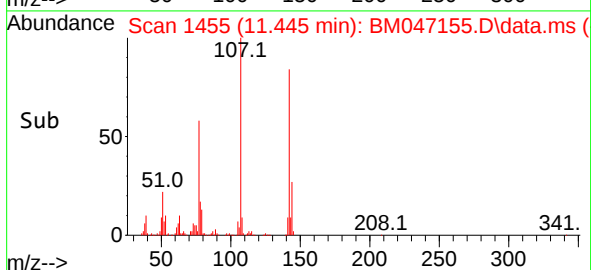
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

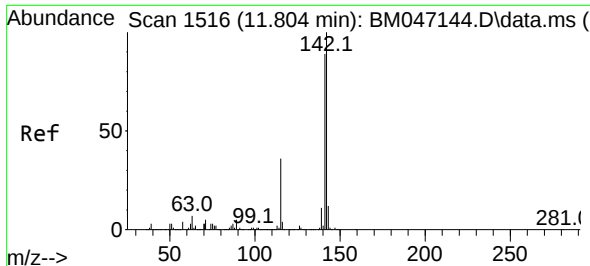


#36
4-Chloro-3-methylphenol
Concen: 7.925 ng
RT: 11.445 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



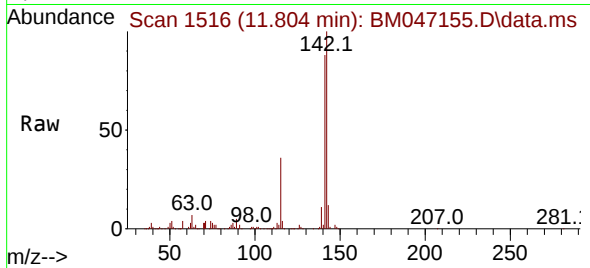
Tgt Ion:107 Resp: 171398
Ion Ratio Lower Upper
107 100
144 27.4 21.8 32.6
142 83.5 66.8 100.2





#37
2-Methylnaphthalene
Concen: 8.311 ng
RT: 11.804 min Scan# 1516
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

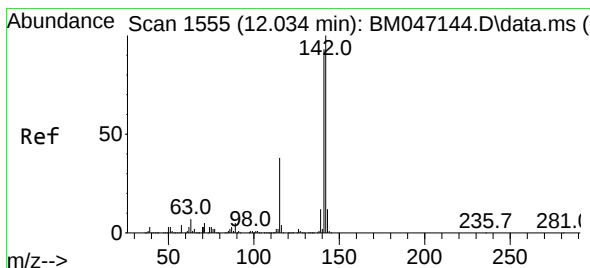
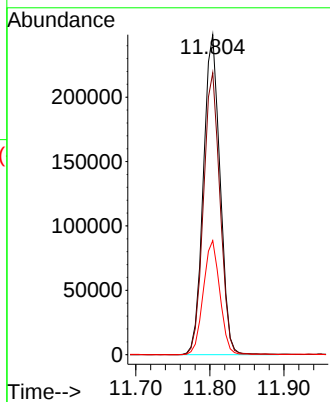
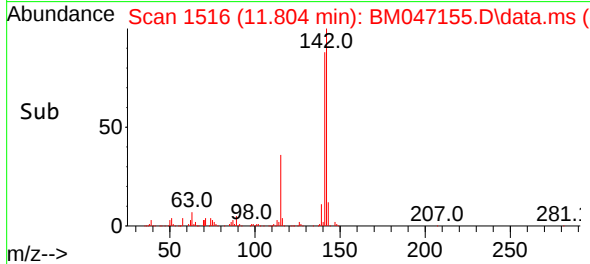
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



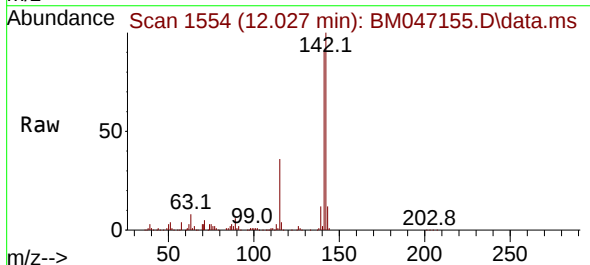
Tgt Ion:142 Resp: 38888
Ion Ratio Lower Upper
142 100
141 88.1 70.9 106.3
115 35.6 28.7 43.1

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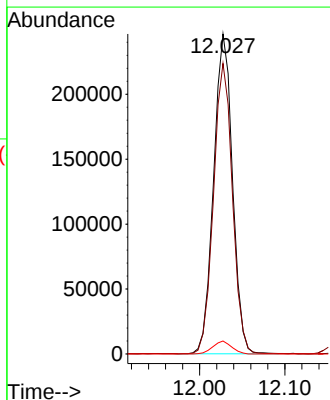
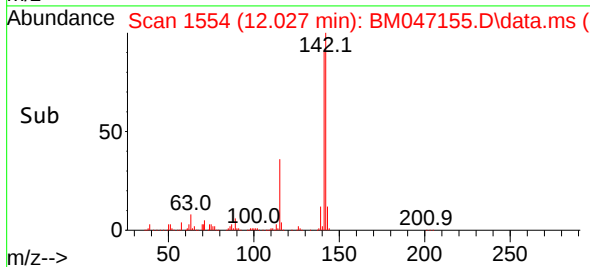
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

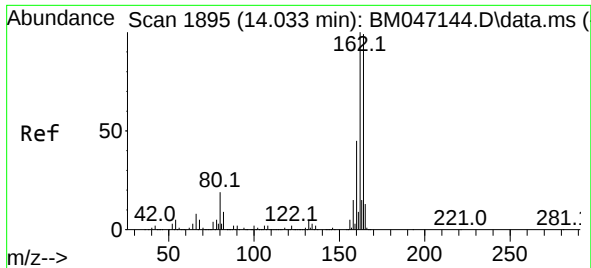


#38
1-Methylnaphthalene
Concen: 8.179 ng
RT: 12.027 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



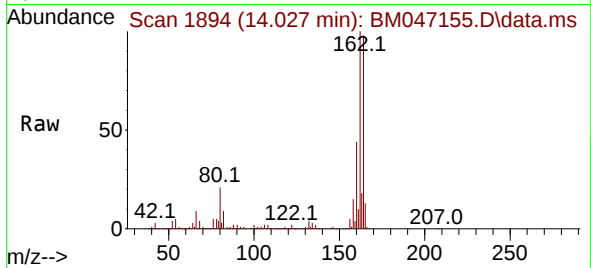
Tgt Ion:142 Resp: 378233
Ion Ratio Lower Upper
142 100
141 90.8 74.6 111.8
116 4.0 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.027 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

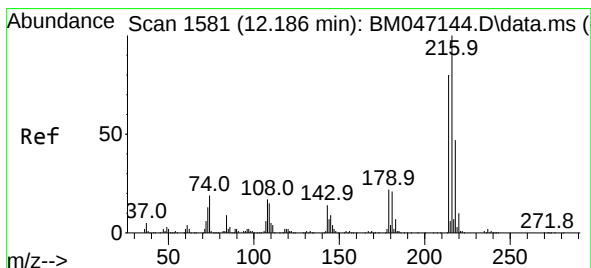
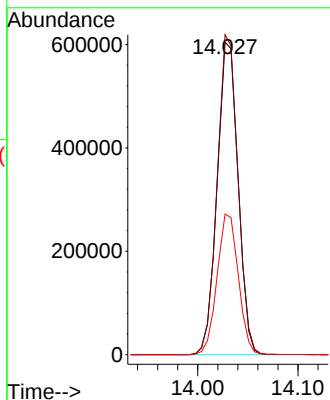
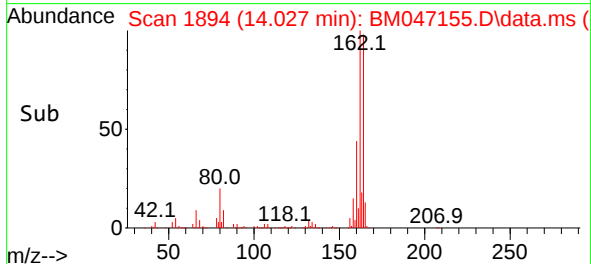
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:164 Resp: 87536
Ion Ratio Lower Upper
164 100
162 102.4 80.7 121.1
160 45.0 36.0 54.0

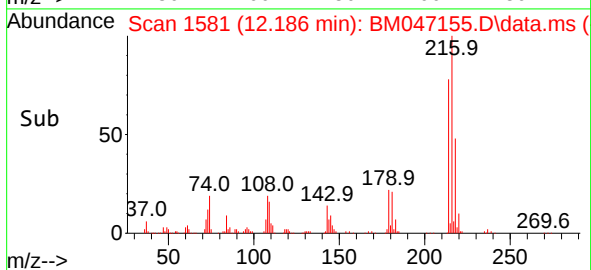
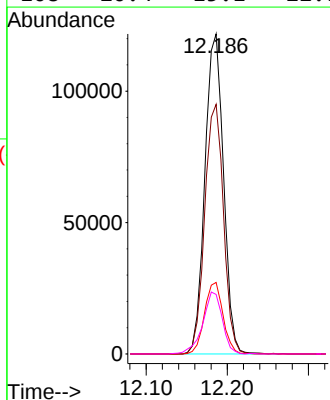
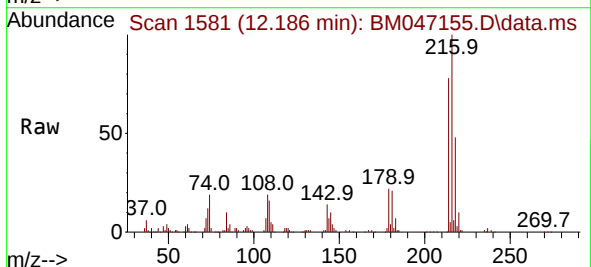
Manual Integrations
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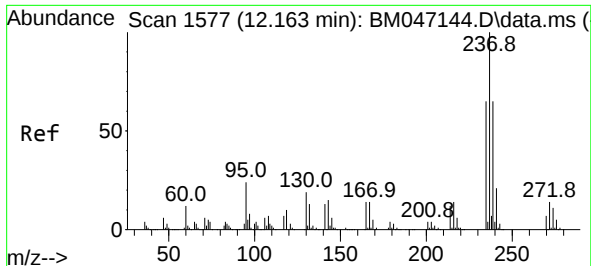
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.112 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

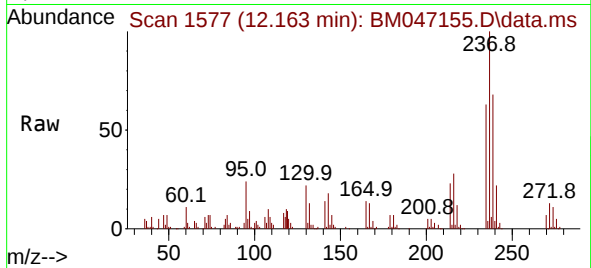
Tgt Ion:216 Resp: 193693
Ion Ratio Lower Upper
216 100
214 78.8 63.4 95.2
179 22.3 17.6 26.4
108 20.4 15.1 22.7





#41
Hexachlorocyclopentadiene
Concen: 9.445 ng
RT: 12.163 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

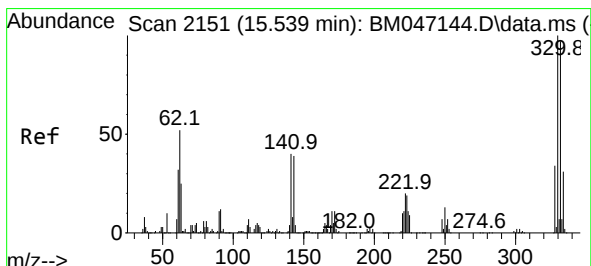
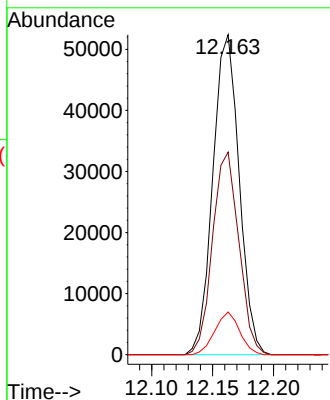
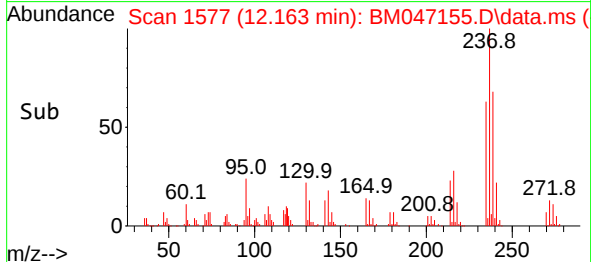
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



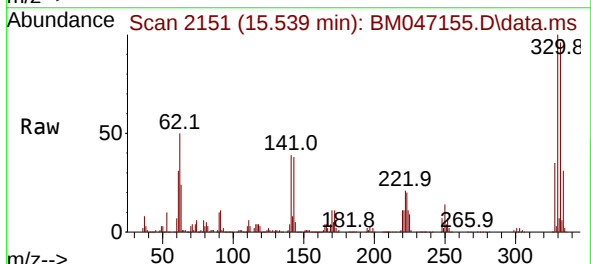
Tgt Ion:237 Resp: 7874
Ion Ratio Lower Upper
237 100
235 63.3 44.8 84.8
272 13.3 0.0 33.5

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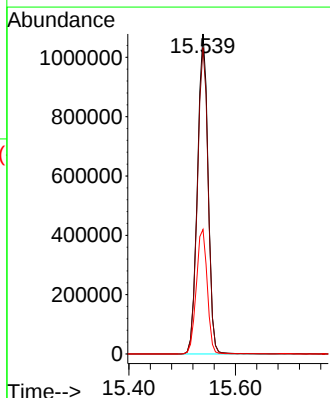
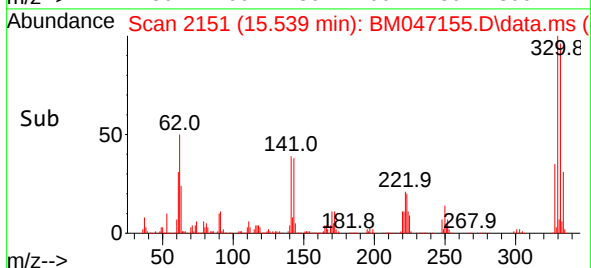
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

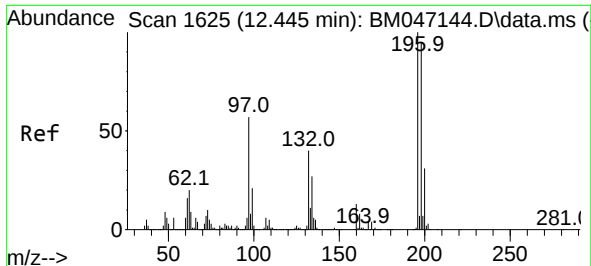


#42
2,4,6-Tribromophenol
Concen: 147.215 ng
RT: 15.539 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



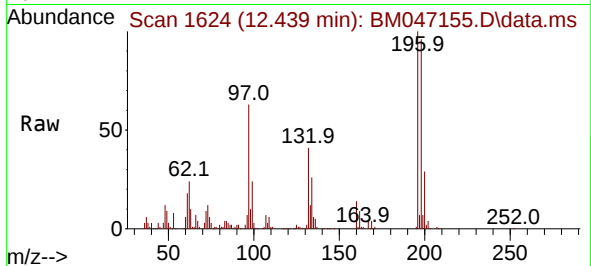
Tgt Ion:330 Resp: 1494230
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.2
141 40.1 31.6 47.4





#43
2,4,6-Trichlorophenol
Concen: 7.705 ng
RT: 12.439 min Scan# 1624
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

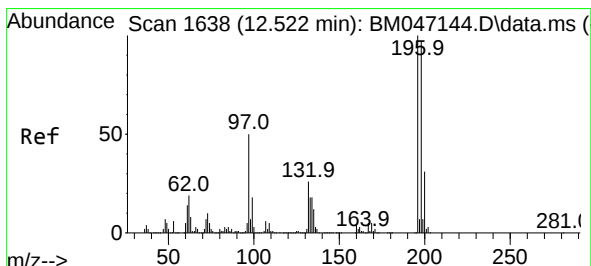
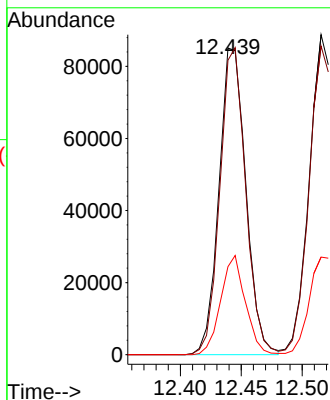
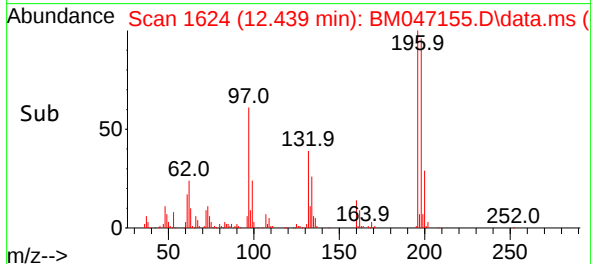
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



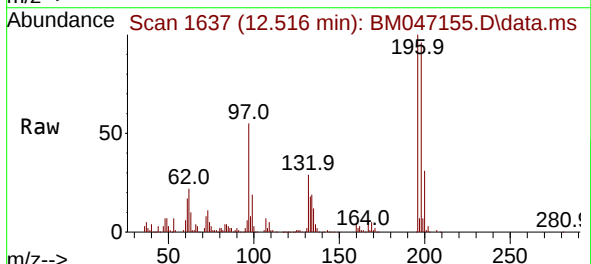
Tgt Ion:196 Resp: 130760
Ion Ratio Lower Upper
196 100
198 96.0 75.6 113.4
200 28.7 24.6 37.0

Manual Integrations
APPROVED

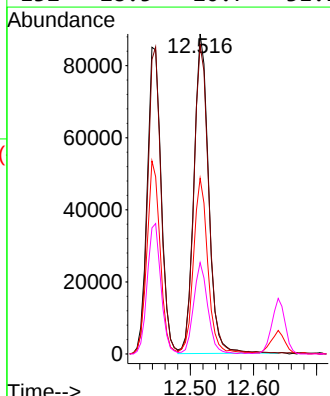
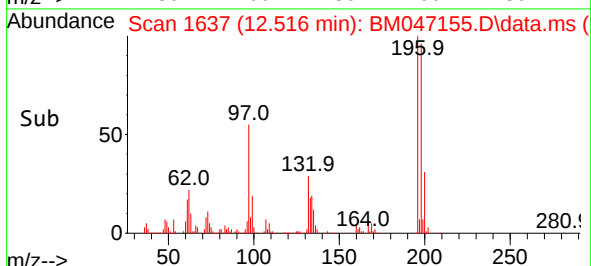
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

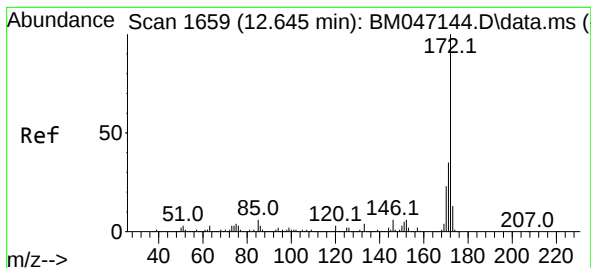


#44
2,4,5-Trichlorophenol
Concen: 7.593 ng
RT: 12.516 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



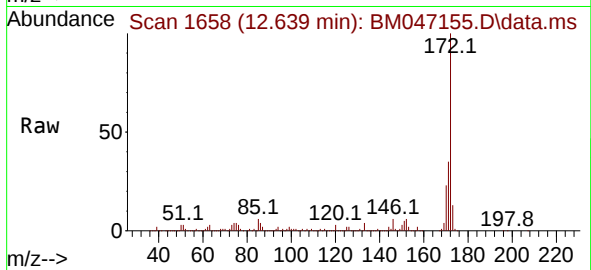
Tgt Ion:196 Resp: 143074
Ion Ratio Lower Upper
196 100
198 96.4 77.7 116.5
97 54.9 39.8 59.8
132 28.5 20.7 31.1





#45
2-Fluorobiphenyl
Concen: 84.746 ng
RT: 12.639 min Scan# 1658
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

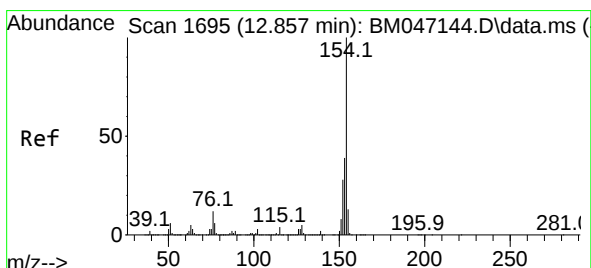
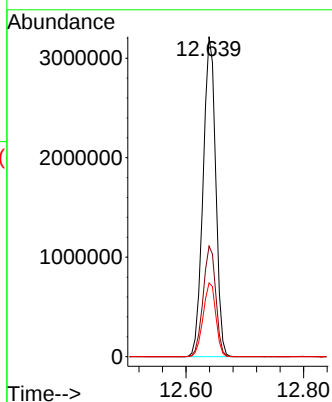
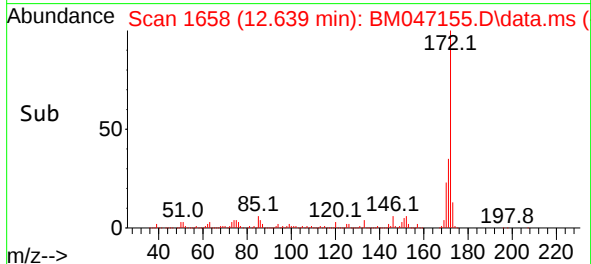
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



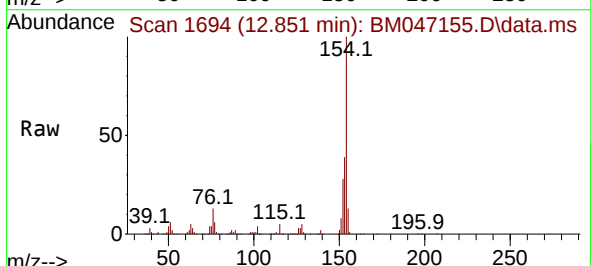
Tgt Ion:172 Resp: 4809220
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.1 18.7 28.1

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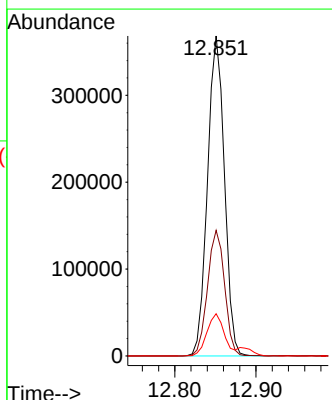
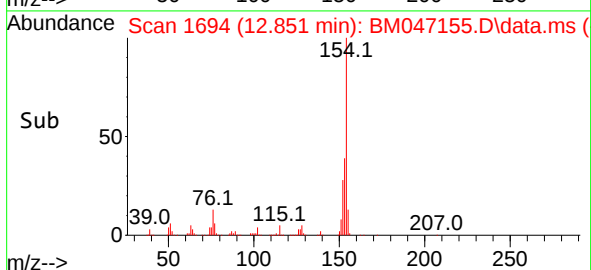
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

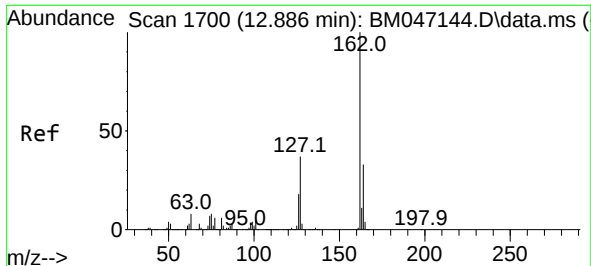


#46
1,1'-Biphenyl
Concen: 8.546 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



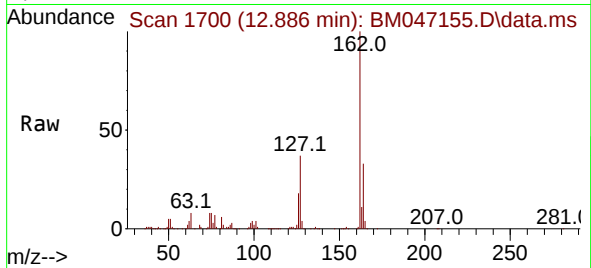
Tgt Ion:154 Resp: 532580
Ion Ratio Lower Upper
154 100
153 39.3 19.0 59.0
76 13.2 0.0 31.9





#47
2-Chloronaphthalene
Concen: 8.603 ng
RT: 12.886 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

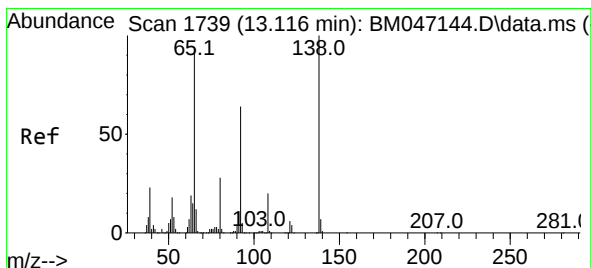
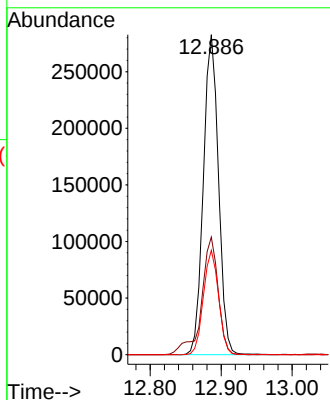
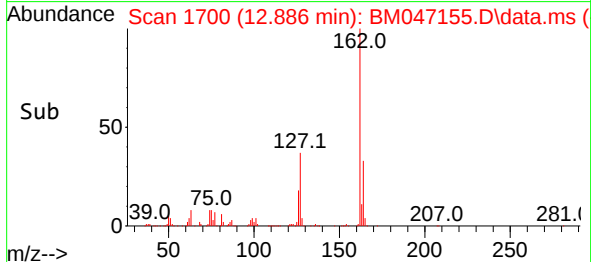
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:162 Resp: 419024
Ion Ratio Lower Upper
162 100
127 36.8 30.0 45.0
164 32.6 26.3 39.5

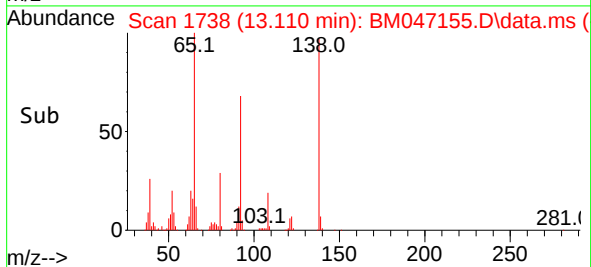
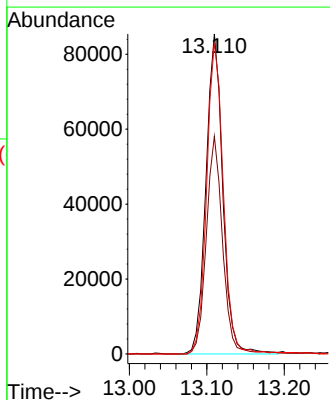
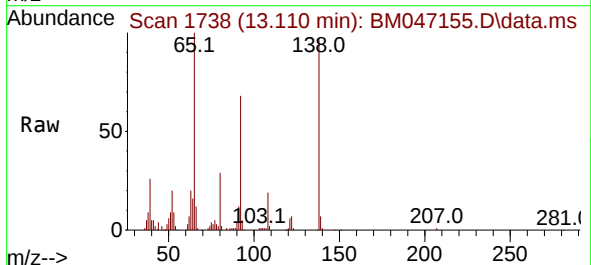
Manual Integrations
APPROVED

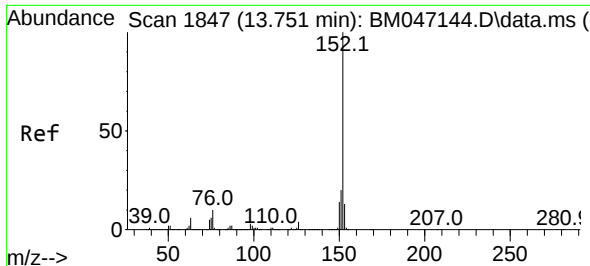
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#48
2-Nitroaniline
Concen: 8.446 ng
RT: 13.110 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

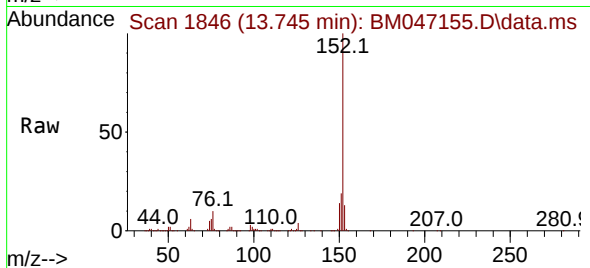
Tgt Ion: 65 Resp: 128878
Ion Ratio Lower Upper
65 100
92 68.1 55.1 82.7
138 97.4 85.9 128.9





#49
Acenaphthylene
Concen: 9.627 ng
RT: 13.745 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

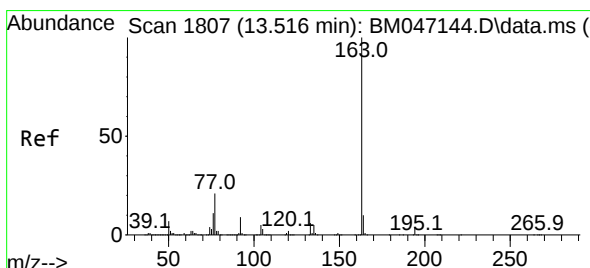
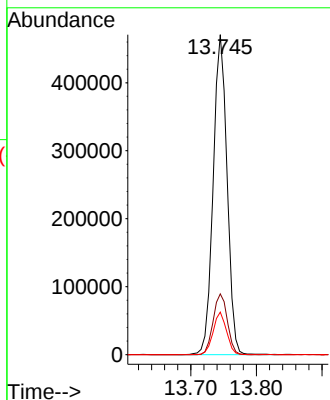
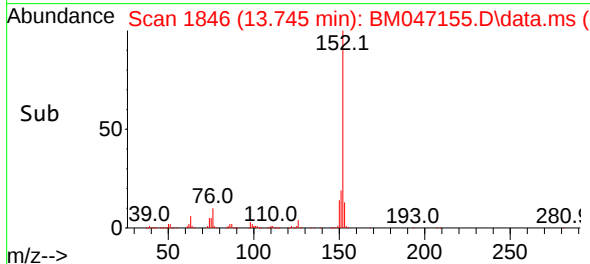
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



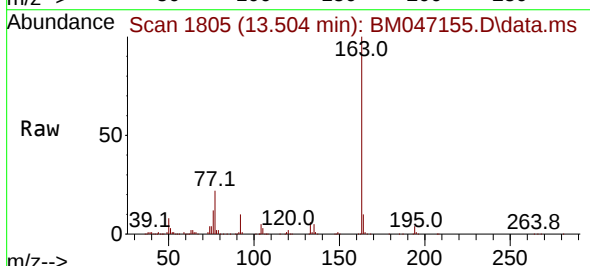
Tgt Ion:152 Resp: 69118
Ion Ratio Lower Upper
152 100
151 19.0 15.8 23.6
153 13.3 10.4 15.6

Manual Integrations
APPROVED

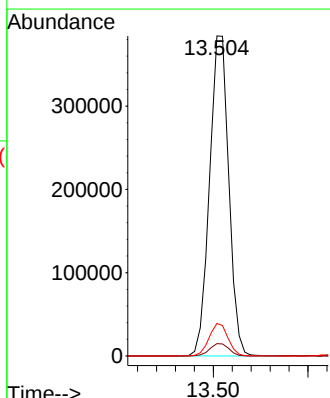
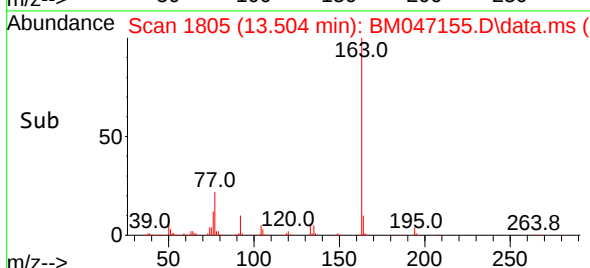
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

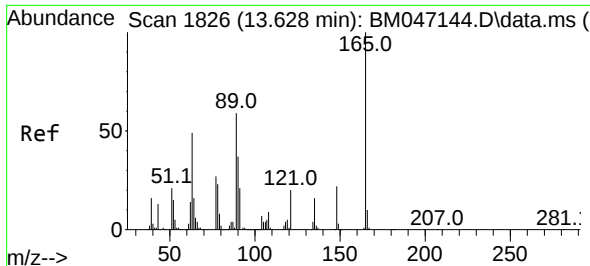


#50
Dimethylphthalate
Concen: 8.864 ng
RT: 13.504 min Scan# 1805
Delta R.T. -0.012 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



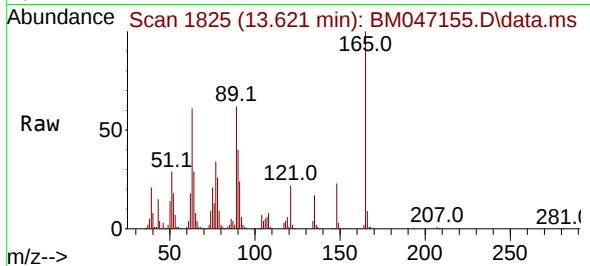
Tgt Ion:163 Resp: 541905
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.2 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 8.101 ng
RT: 13.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

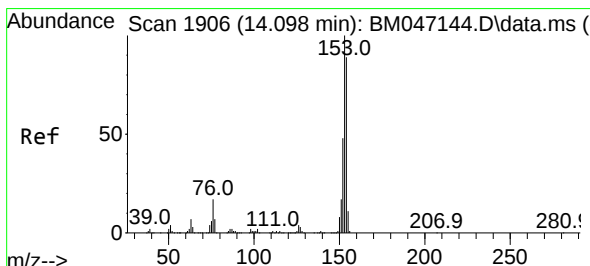
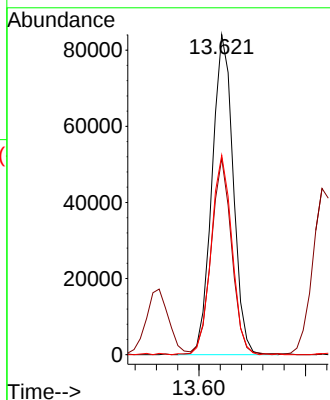
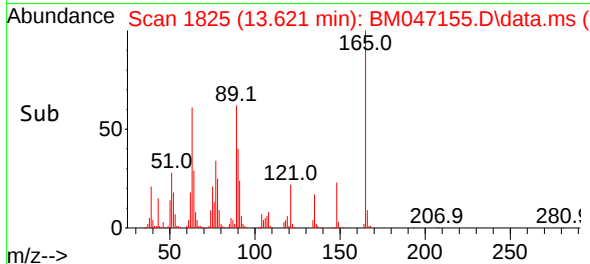
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:165 Resp: 11577
Ion Ratio Lower Upper
165 100
63 61.4 46.5 69.7
89 62.4 47.3 70.9

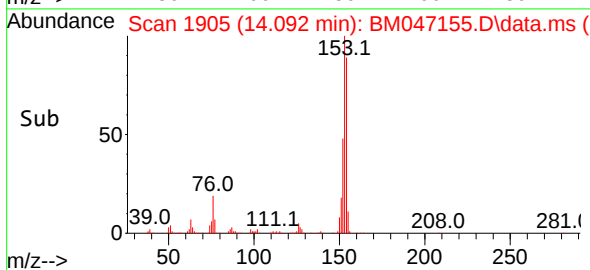
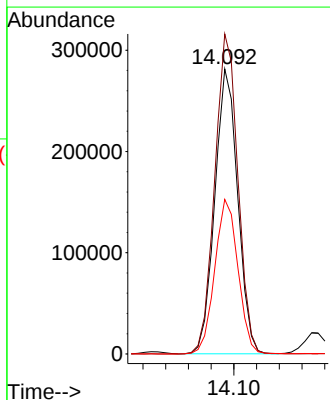
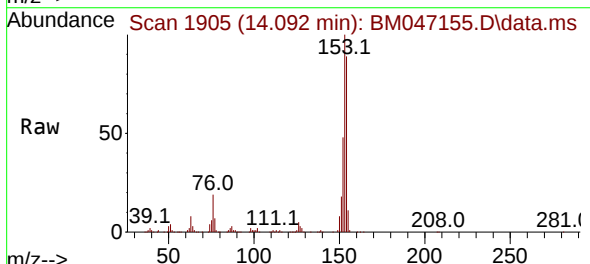
Manual Integrations
APPROVED

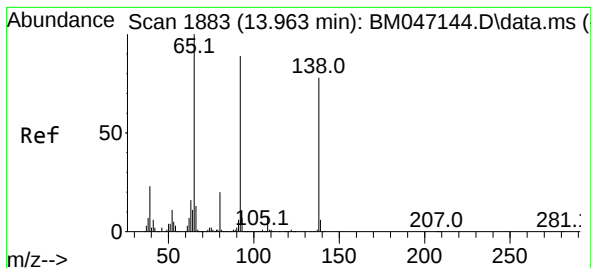
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#52
Acenaphthene
Concen: 8.649 ng
RT: 14.092 min Scan# 1905
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

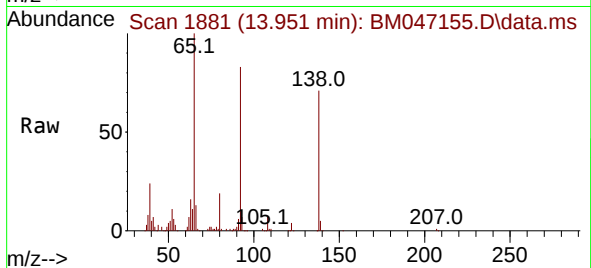
Tgt Ion:154 Resp: 393925
Ion Ratio Lower Upper
154 100
153 112.3 90.3 135.5
152 54.2 42.9 64.3





#53
3-Nitroaniline
Concen: 8.390 ng
RT: 13.951 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

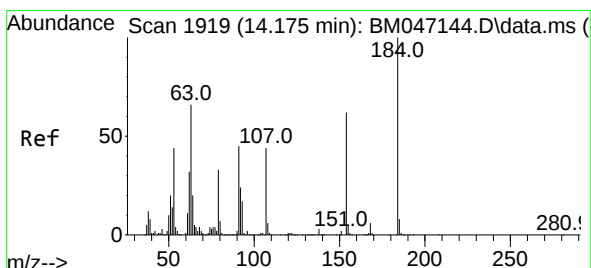
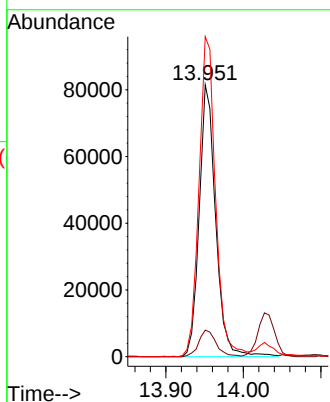
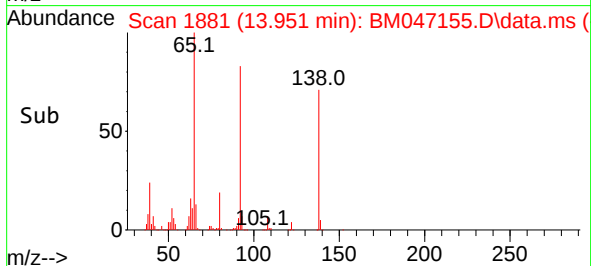
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



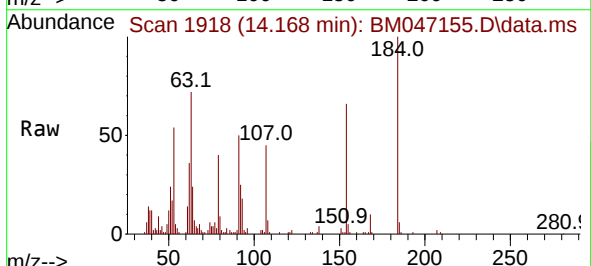
Tgt Ion:138 Resp: 120154
Ion Ratio Lower Upper
138 100
108 9.7 7.9 11.9
92 117.7 92.0 138.0

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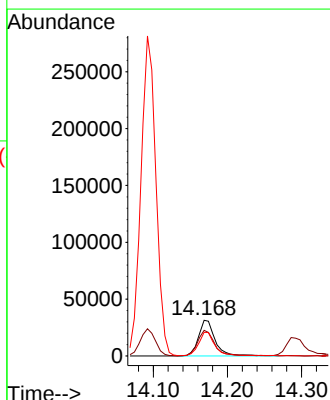
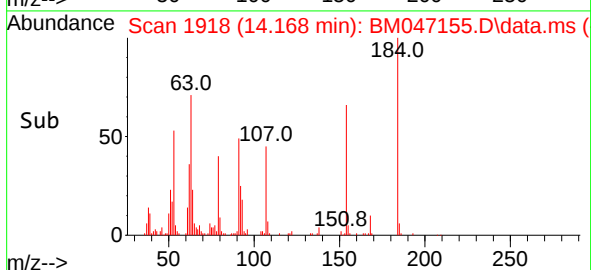
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

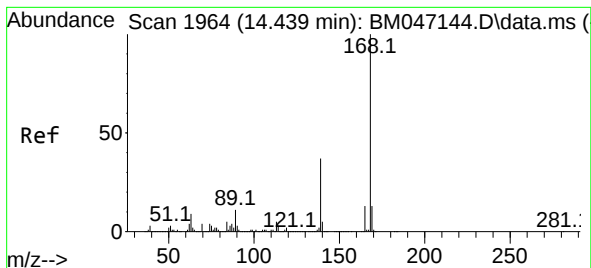


#54
2,4-Dinitrophenol
Concen: 5.715 ng
RT: 14.168 min Scan# 1918
Delta R.T. -0.007 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



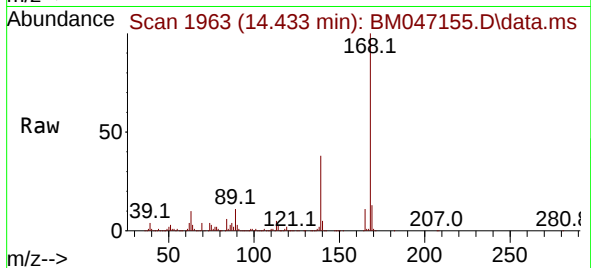
Tgt Ion:184 Resp: 48953
Ion Ratio Lower Upper
184 100
63 71.6 52.7 79.1
154 66.4 50.4 75.6





#55
Dibenzenofuran
Concen: 9.055 ng
RT: 14.433 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

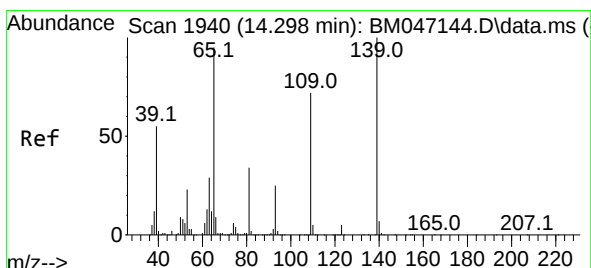
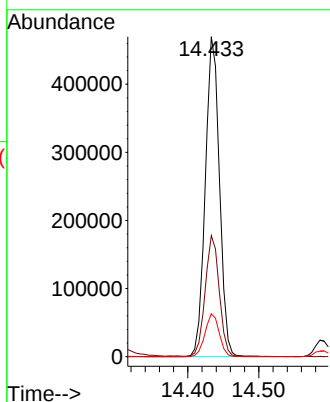
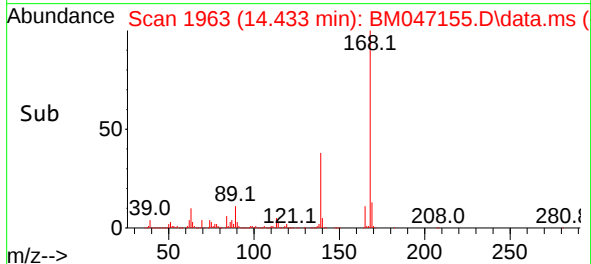
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:168 Resp: 651379
Ion Ratio Lower Upper
168 100
139 37.9 29.6 44.4
169 13.4 10.7 16.1

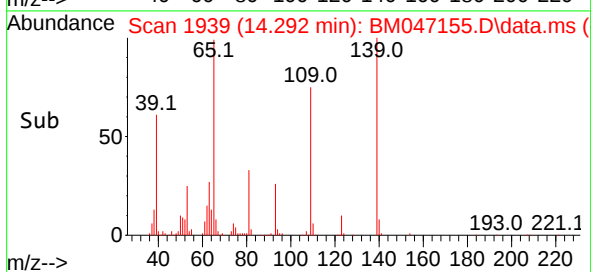
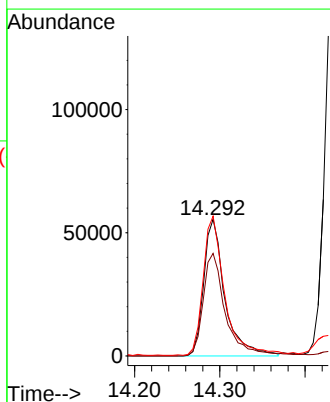
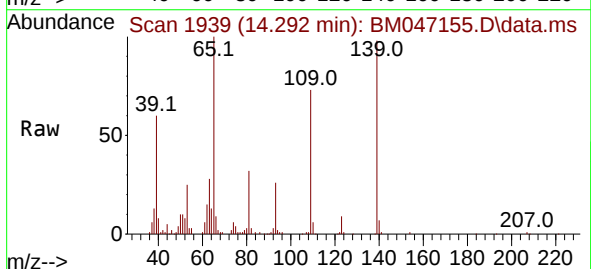
Manual Integrations
APPROVED

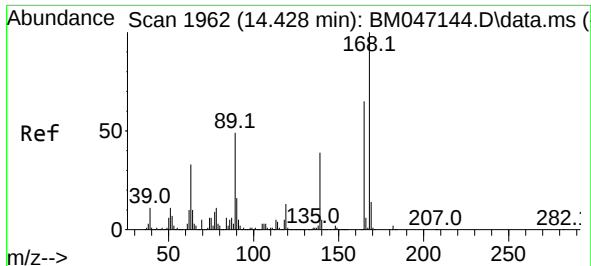
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#56
4-Nitrophenol
Concen: 7.728 ng
RT: 14.292 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

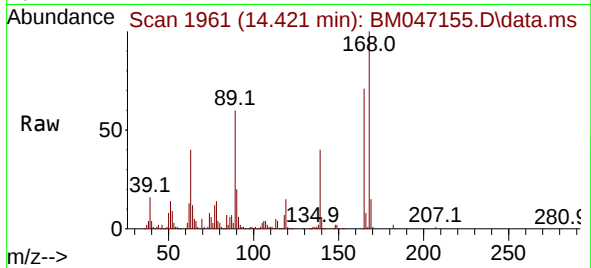
Tgt Ion:139 Resp: 95429
Ion Ratio Lower Upper
139 100
109 75.1 52.5 92.5
65 102.3 75.4 115.4





#57
2,4-Dinitrotoluene
Concen: 7.969 ng
RT: 14.421 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

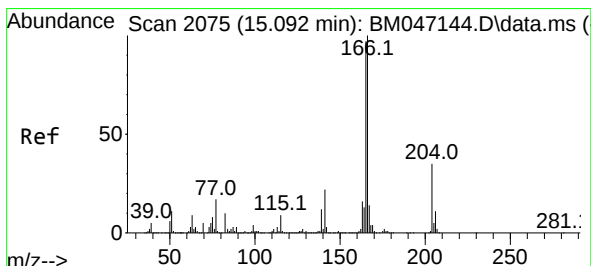
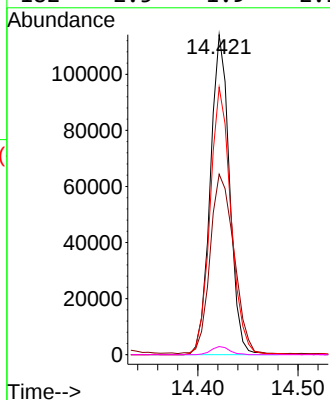
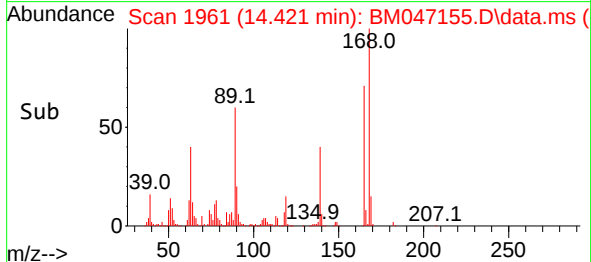
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:165 Resp: 152018
Ion Ratio Lower Upper
165 100
63 56.4 40.3 60.5
89 83.6 61.0 91.6
182 2.5 1.9 2.9

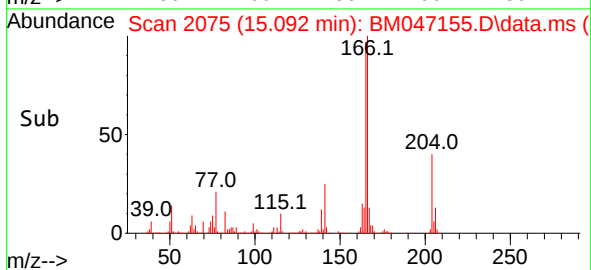
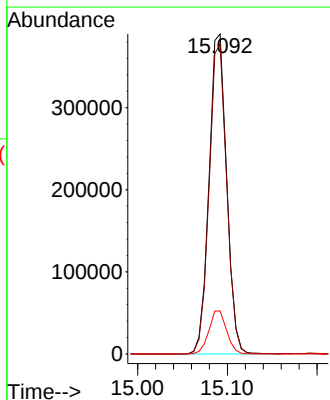
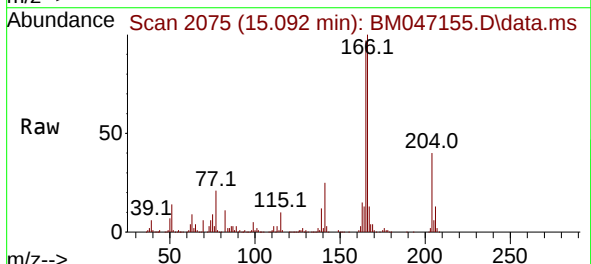
Manual Integrations
APPROVED

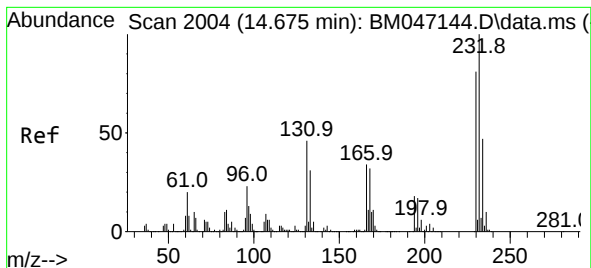
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#58
Fluorene
Concen: 8.957 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

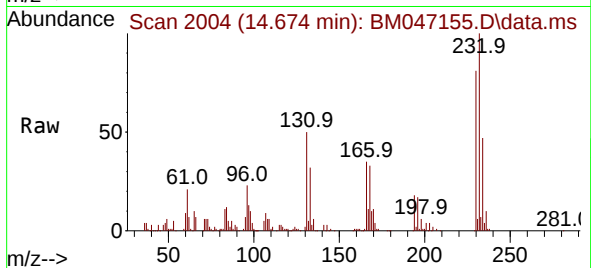
Tgt Ion:166 Resp: 531643
Ion Ratio Lower Upper
166 100
165 96.9 77.4 116.0
167 13.4 11.0 16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.259 ng
RT: 14.674 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

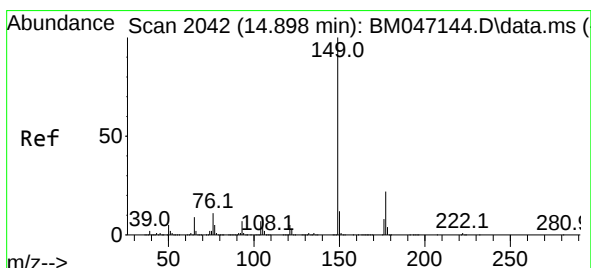
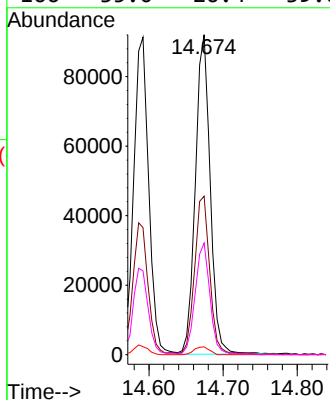
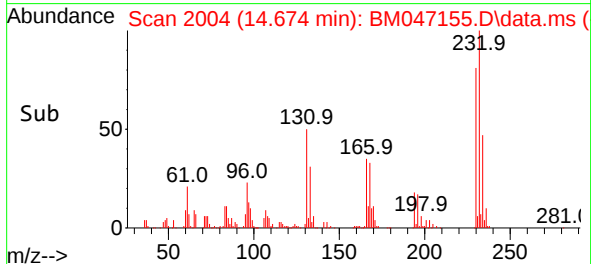
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



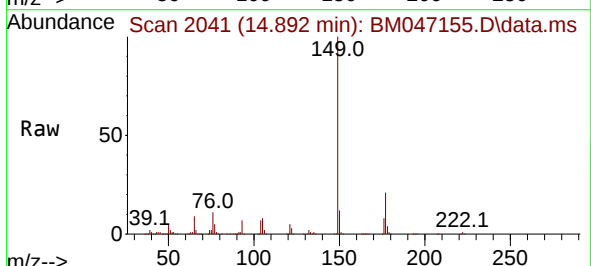
Tgt Ion:232 Resp: 127898
Ion Ratio Lower Upper
232 100
131 50.9 36.9 55.3
130 2.5 2.0 3.0
166 35.0 26.4 39.6

Manual Integrations
APPROVED

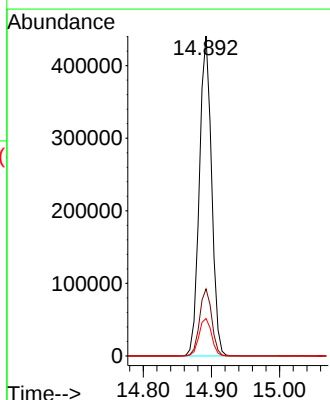
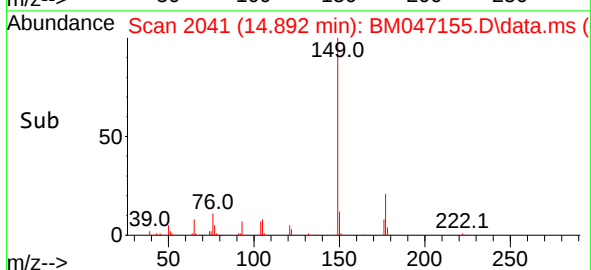
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

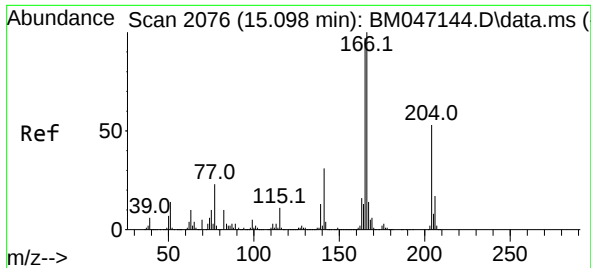


#60
Diethylphthalate
Concen: 8.774 ng
RT: 14.892 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



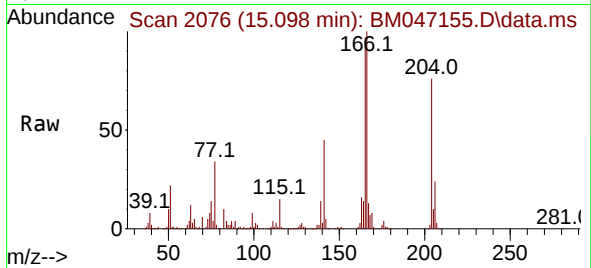
Tgt Ion:149 Resp: 547764
Ion Ratio Lower Upper
149 100
177 21.0 17.6 26.4
150 11.7 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 8.730 ng
RT: 15.098 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

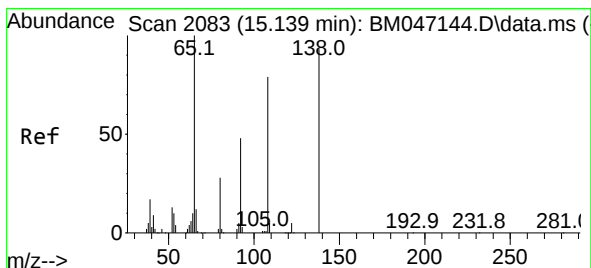
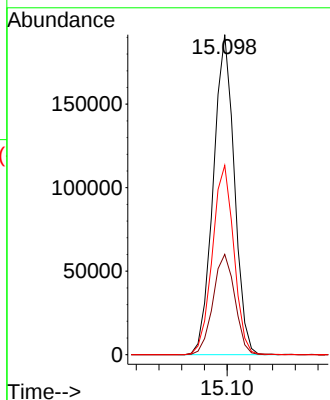
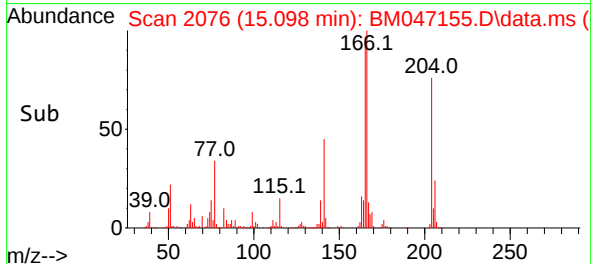
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



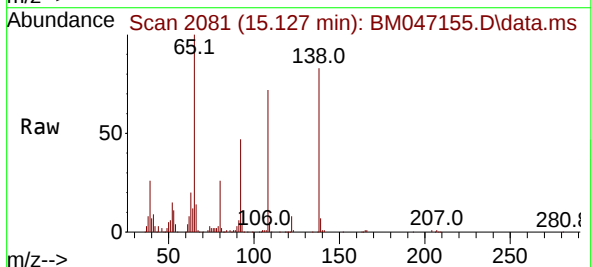
Tgt Ion:204 Resp: 246708
Ion Ratio Lower Upper
204 100
206 31.4 26.2 39.4
141 59.1 47.2 70.8

Manual Integrations
APPROVED

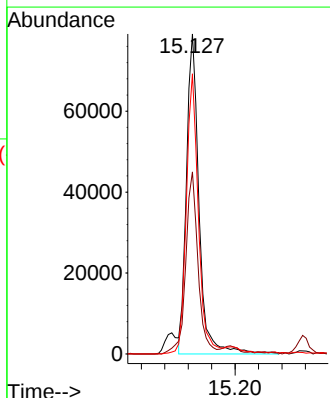
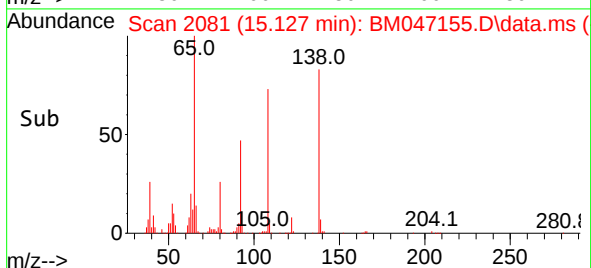
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

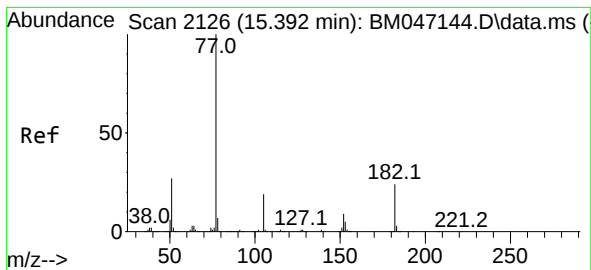


#62
4-Nitroaniline
Concen: 8.355 ng m
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



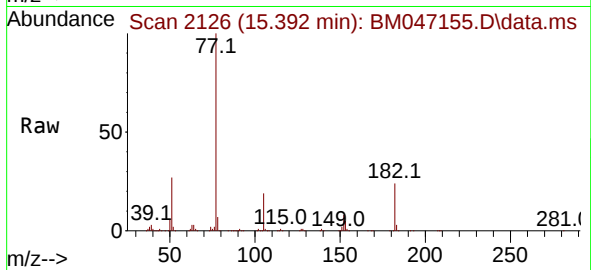
Tgt Ion:138 Resp: 117874
Ion Ratio Lower Upper
138 100
92 56.9 31.9 71.9
108 87.5 63.8 103.8





#63
Azobenzene
Concen: 9.073 ng
RT: 15.392 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

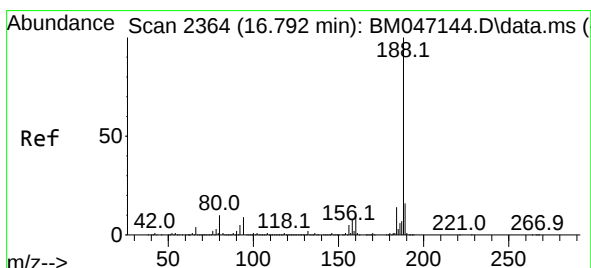
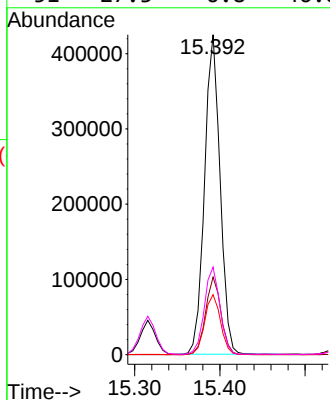
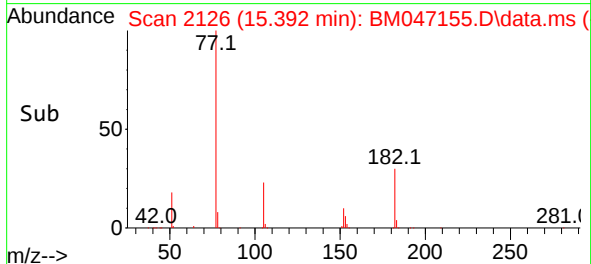
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion: 77 Resp: 537085
Ion Ratio Lower Upper
77 100
182 24.2 3.8 43.8
105 18.7 0.0 39.5
51 27.3 6.8 46.8

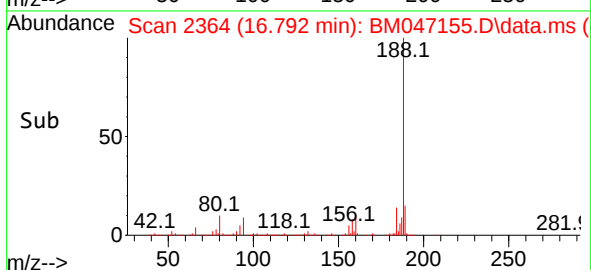
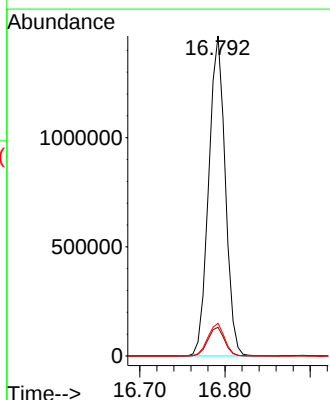
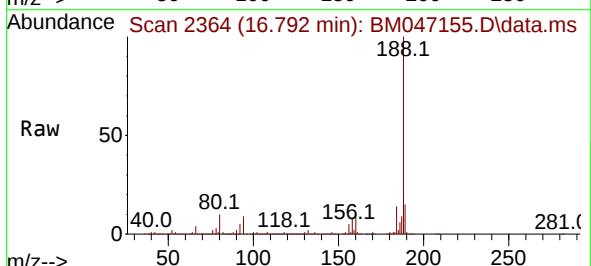
Manual Integrations
APPROVED

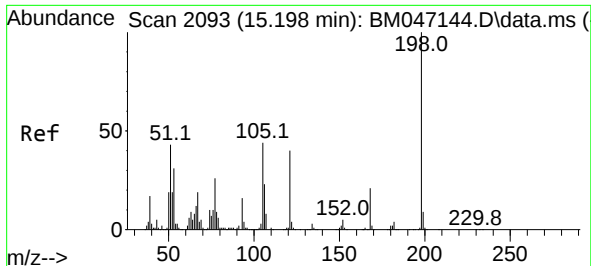
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

Tgt Ion:188 Resp: 1984819
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 10.2 8.0 12.0





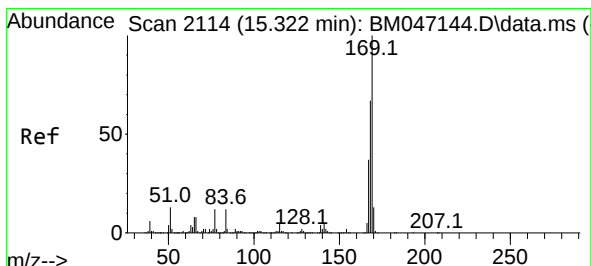
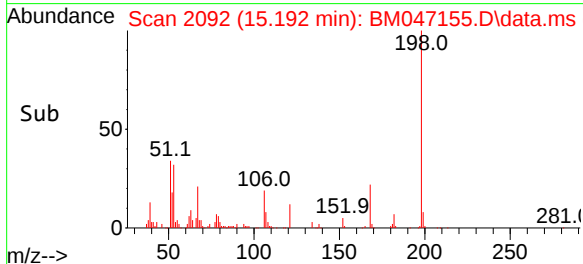
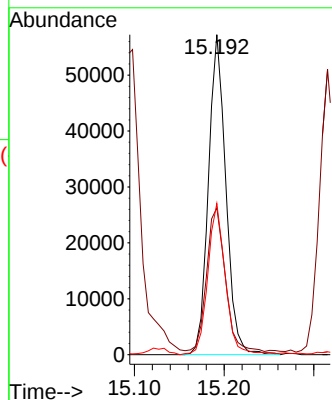
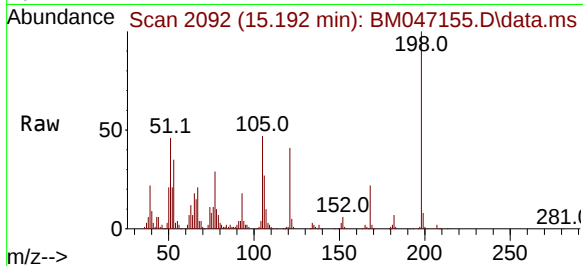
#65
4,6-Dinitro-2-methylphenol
Concen: 6.648 ng
RT: 15.192 min Scan# 2092
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:198 Resp: 7725
Ion Ratio Lower Upper
198 100
51 45.9 23.9 63.9
105 47.3 24.3 64.3

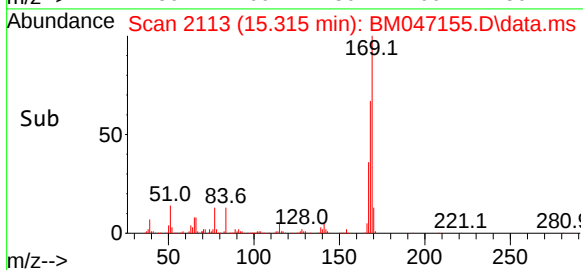
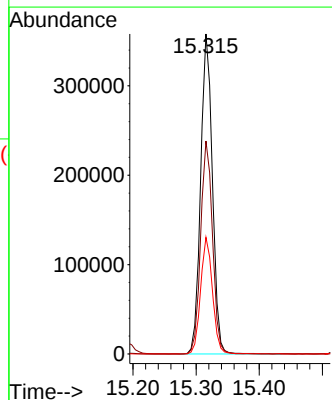
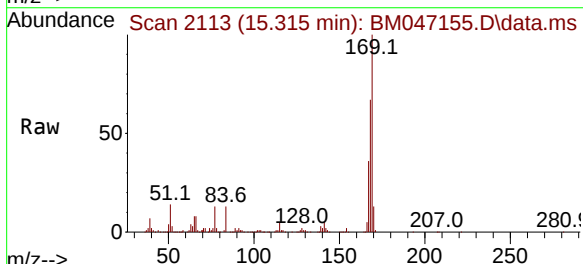
Manual Integrations
APPROVED

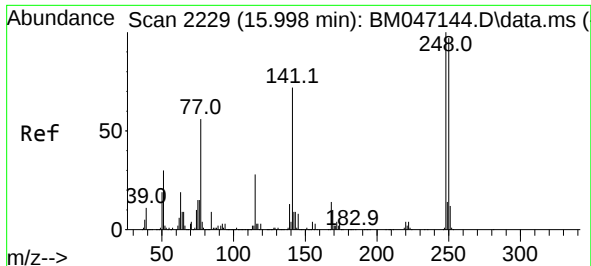
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#66
n-Nitrosodiphenylamine
Concen: 8.534 ng
RT: 15.315 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

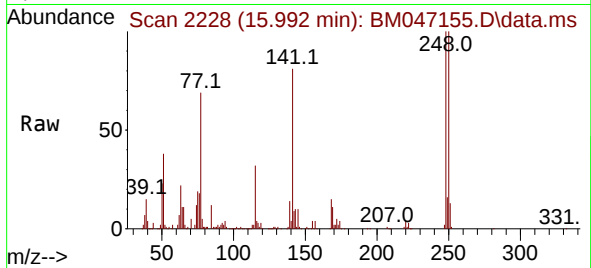
Tgt Ion:169 Resp: 461350
Ion Ratio Lower Upper
169 100
168 66.5 53.8 80.8
167 36.5 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 7.674 ng
RT: 15.992 min Scan# 211
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

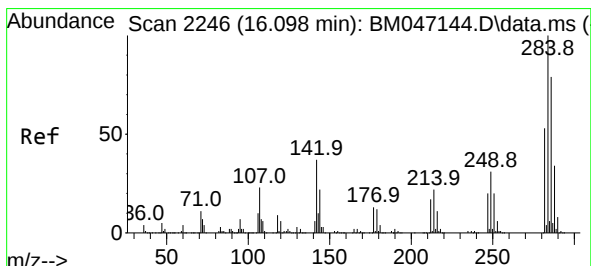
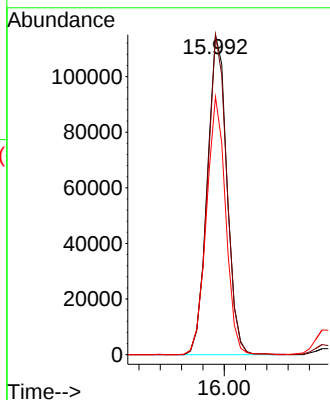
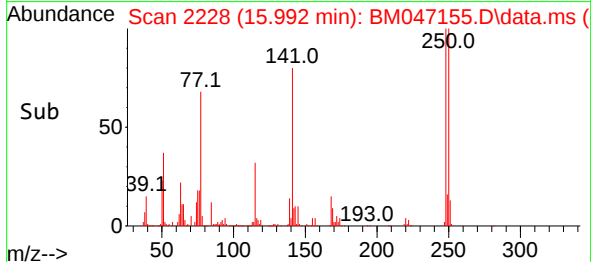
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



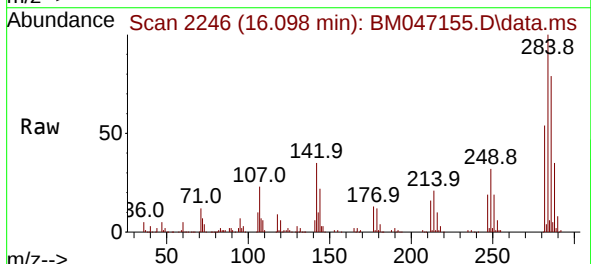
Tgt Ion:248 Resp: 146770
Ion Ratio Lower Upper
248 100
250 99.9 77.8 116.8
141 80.6 57.7 86.5

Manual Integrations
APPROVED

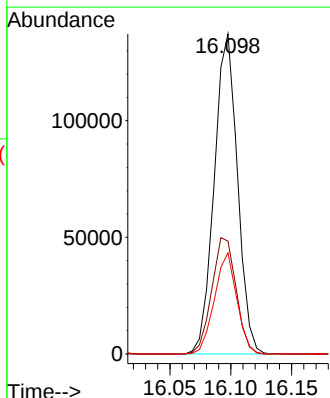
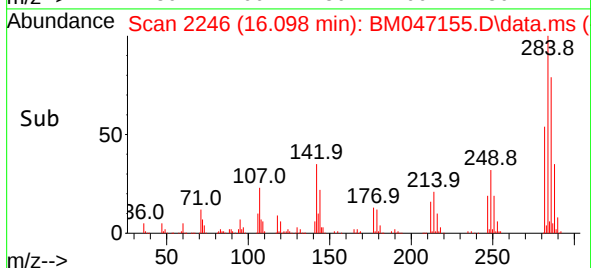
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

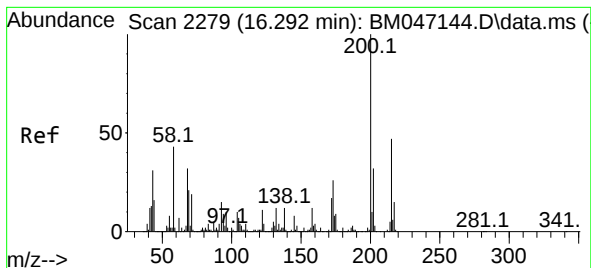


#68
Hexachlorobenzene
Concen: 7.960 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



Tgt Ion:284 Resp: 182329
Ion Ratio Lower Upper
284 100
142 35.3 29.4 44.0
249 31.6 25.1 37.7





#69

Atrazine

Concen: 10.046 ng

RT: 16.286 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047155.D

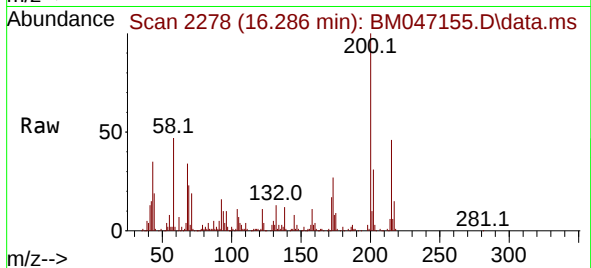
Acq: 12 Aug 2024 13:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:200 Resp: 16342

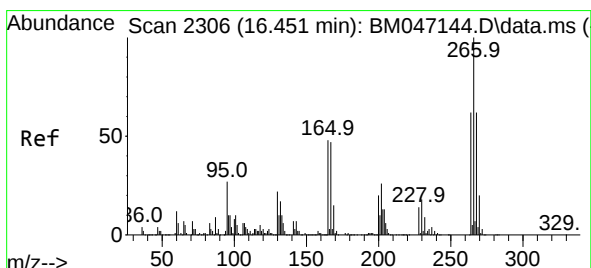
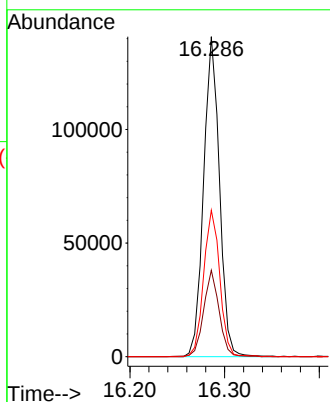
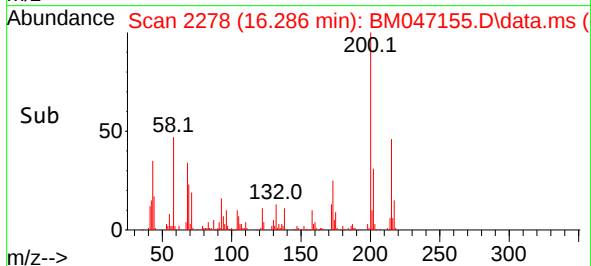
Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.1	46.1
215	45.7	26.8	66.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#70

Pentachlorophenol

Concen: 6.332 ng

RT: 16.451 min Scan# 2306

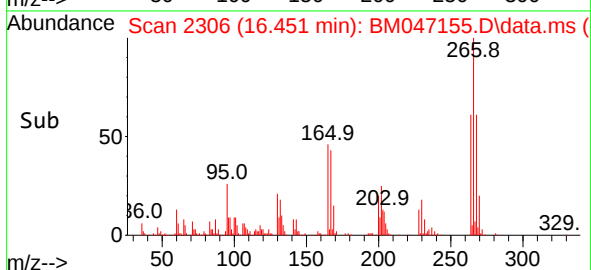
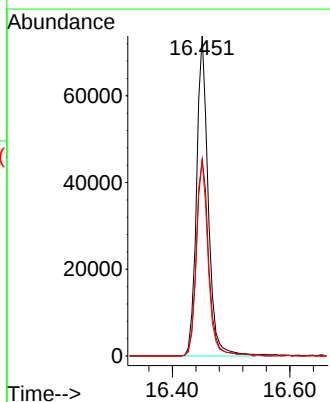
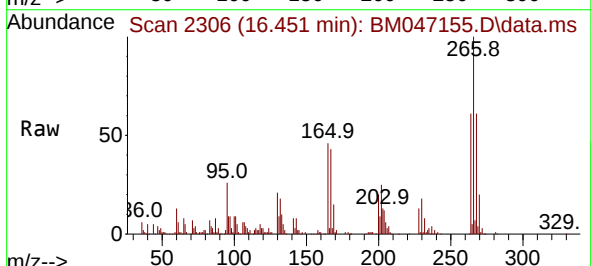
Delta R.T. -0.000 min

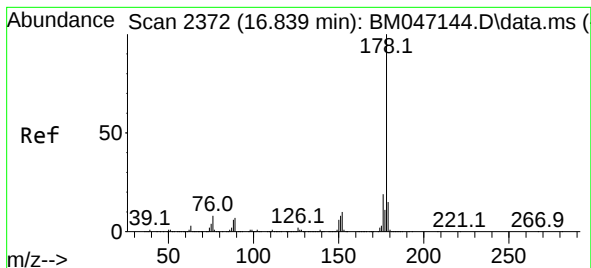
Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Tgt Ion:266 Resp: 101680

Ion	Ratio	Lower	Upper
266	100		
268	61.4	49.8	74.6
264	61.2	49.6	74.4





#71

Phenanthrene

Concen: 8.614 ng

RT: 16.833 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:178 Resp: 85807

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

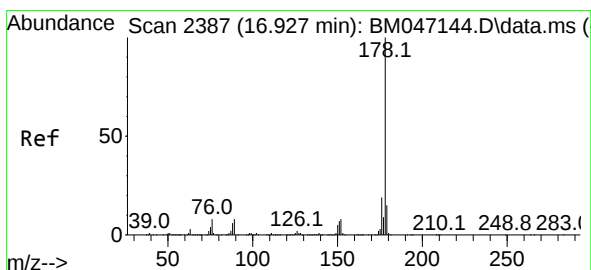
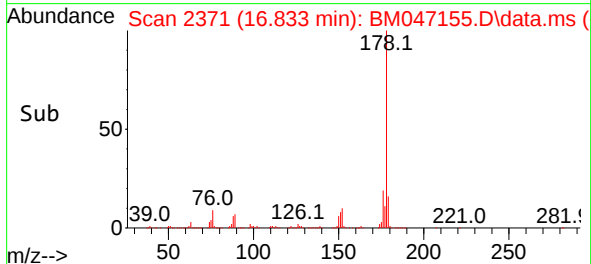
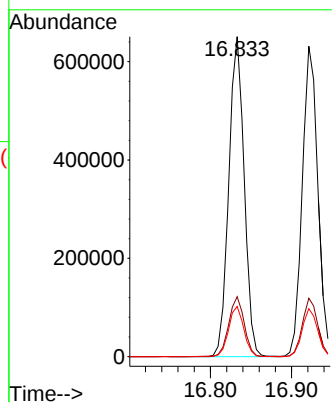
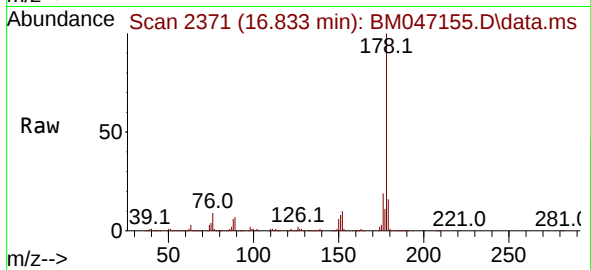
179 15.7 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#72

Anthracene

Concen: 8.722 ng

RT: 16.921 min Scan# 2386

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

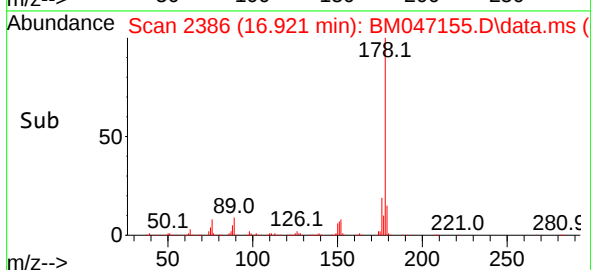
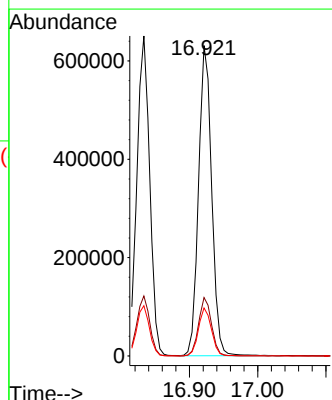
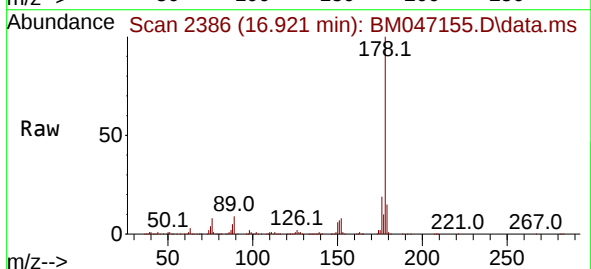
Tgt Ion:178 Resp: 845394

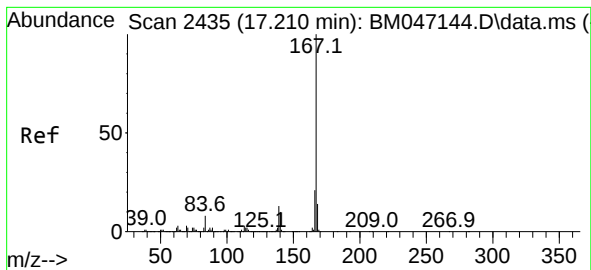
Ion Ratio Lower Upper

178 100

176 18.8 14.8 22.2

179 15.5 12.4 18.6





#73

Carbazole

Concen: 8.299 ng

RT: 17.204 min Scan# 2434

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

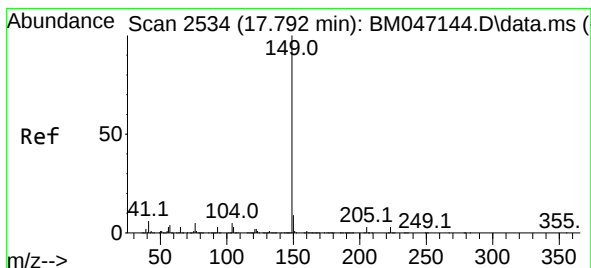
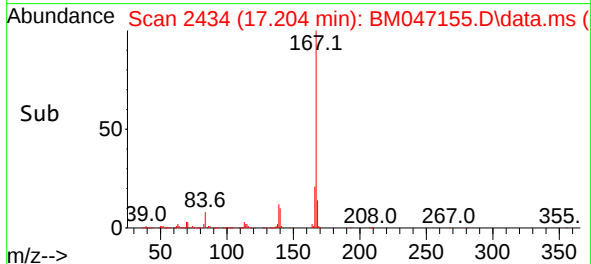
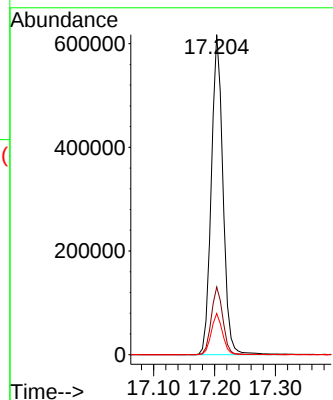
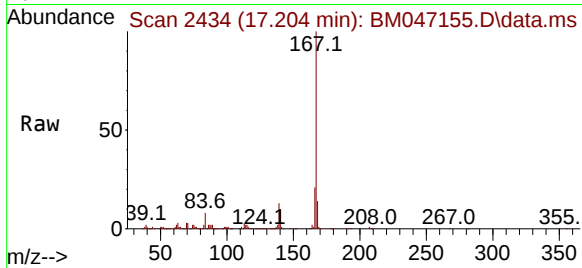
Tgt Ion:167 Resp: 821269
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.1 25.7
 139 12.8 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#74

Di-n-butylphthalate

Concen: 8.244 ng

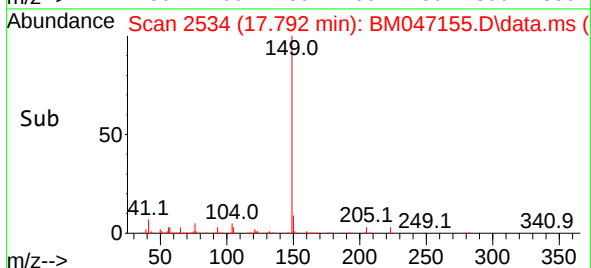
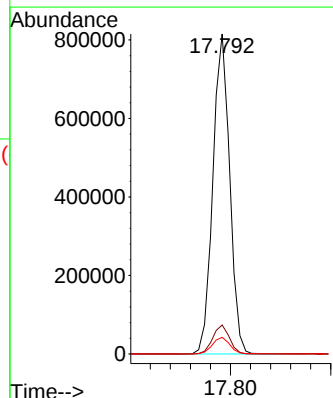
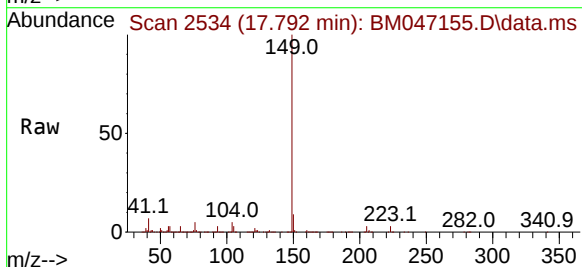
RT: 17.792 min Scan# 2534

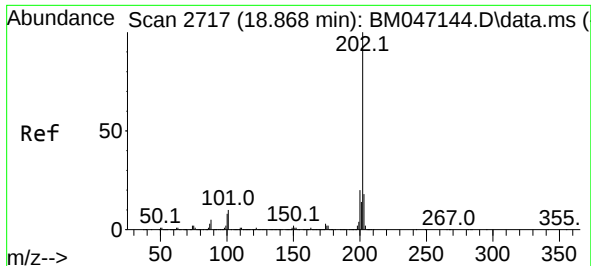
Delta R.T. -0.000 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

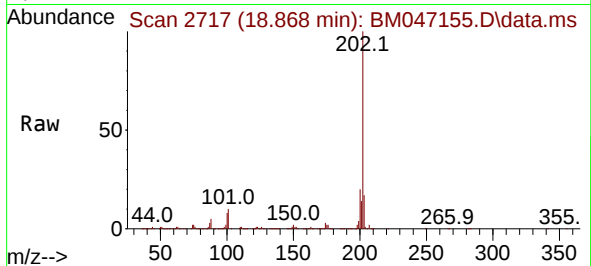
Tgt Ion:149 Resp: 949251
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.5 11.3
 104 5.2 4.1 6.1





#75
Fluoranthene
Concen: 8.138 ng
RT: 18.868 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

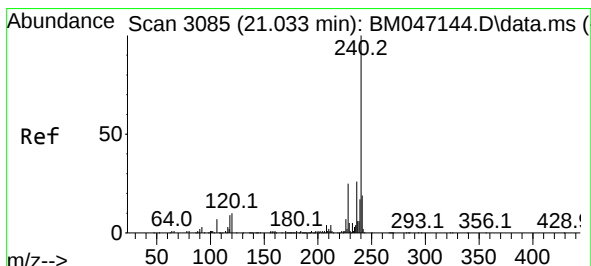
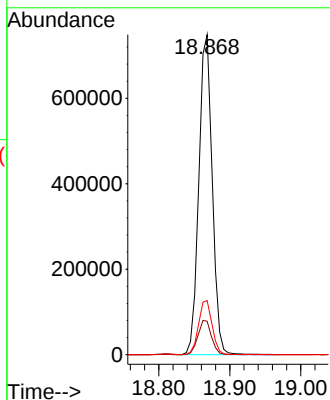
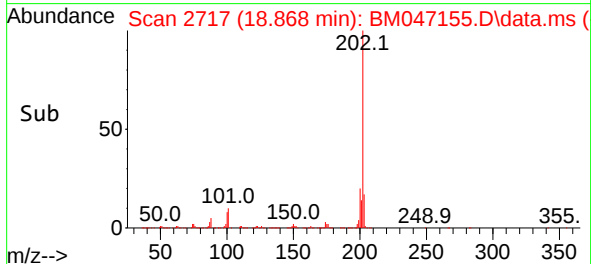
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



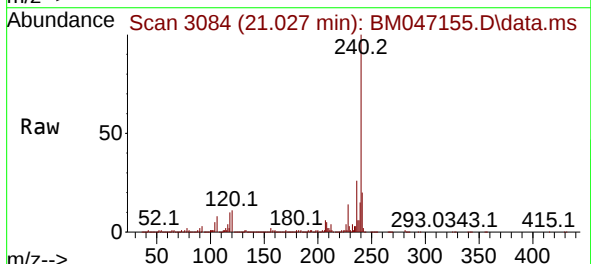
Tgt Ion:202 Resp: 985968
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.2
203 16.9 0.0 37.6

Manual Integrations
APPROVED

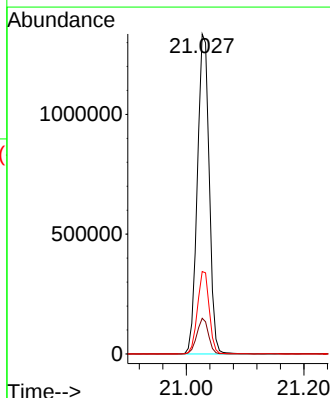
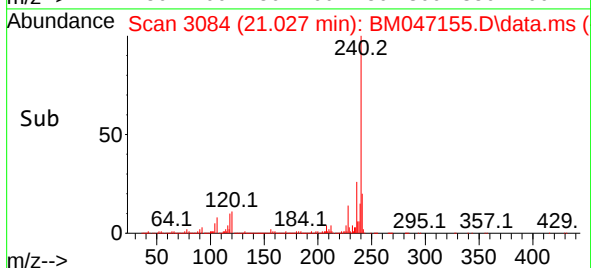
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

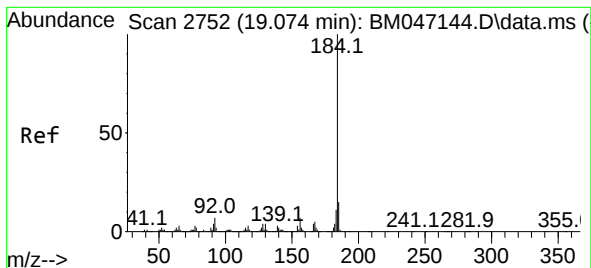


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



Tgt Ion:240 Resp: 1868008
Ion Ratio Lower Upper
240 100
120 11.1 8.2 12.2
236 25.8 20.6 30.8





#77

Benzidine

Concen: 10.953 ng

RT: 19.074 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

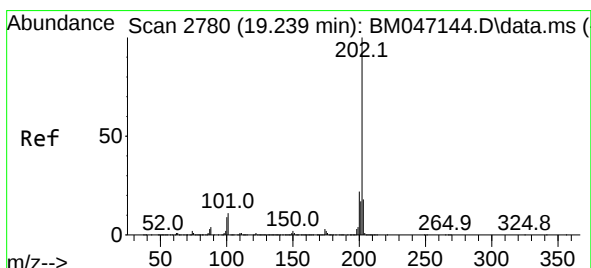
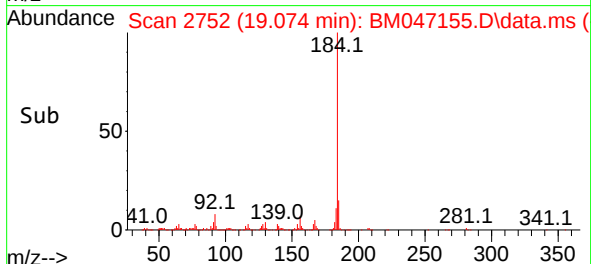
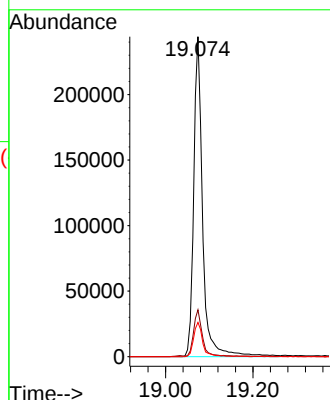
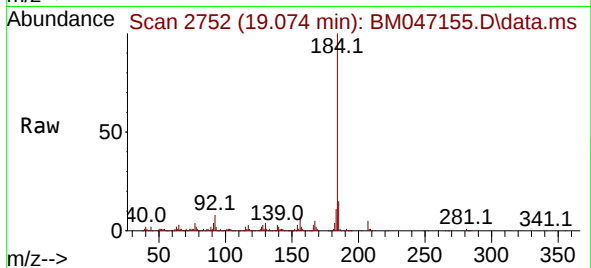
Tgt Ion:184 Resp: 346989
 Ion Ratio Lower Upper
 184 100
 185 14.6 11.8 17.6
 183 10.7 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#78

Pyrene

Concen: 7.818 ng

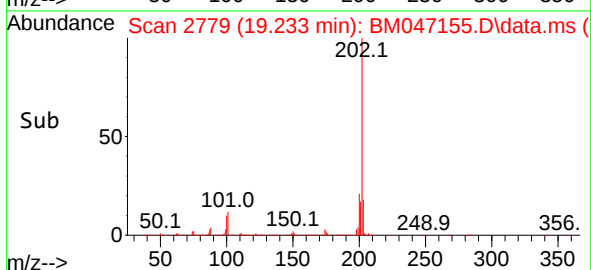
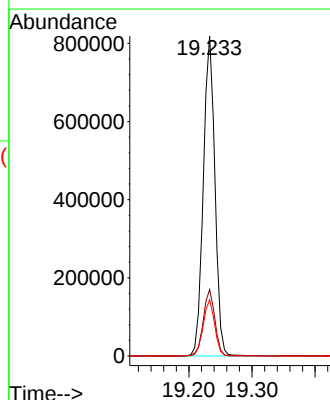
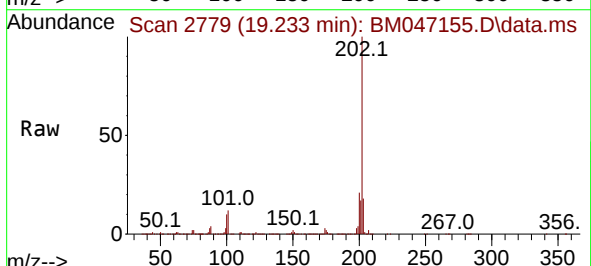
RT: 19.233 min Scan# 2779

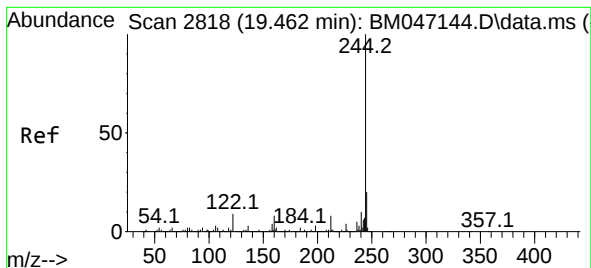
Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Tgt Ion:202 Resp: 1042805
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.2 25.8
 203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 95.326 ng

RT: 19.462 min Scan# 2818

Delta R.T. -0.000 min

Lab File: BM047155.D

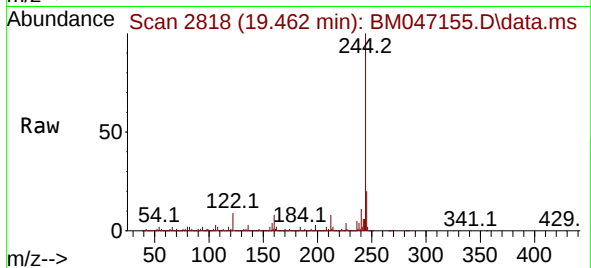
Acq: 12 Aug 2024 13:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:244 Resp: 831031

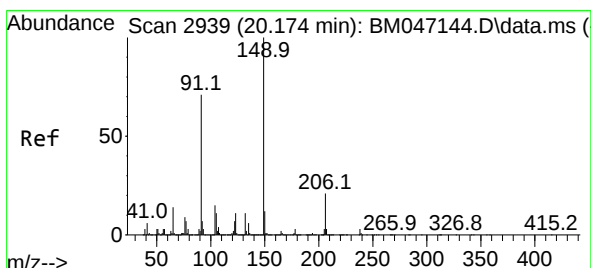
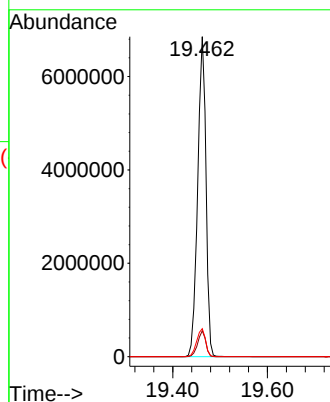
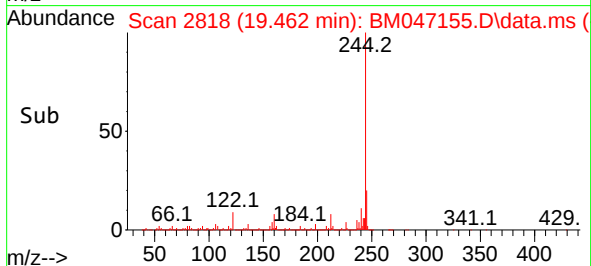
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	8.7	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#80

Butylbenzylphthalate

Concen: 7.735 ng

RT: 20.174 min Scan# 2939

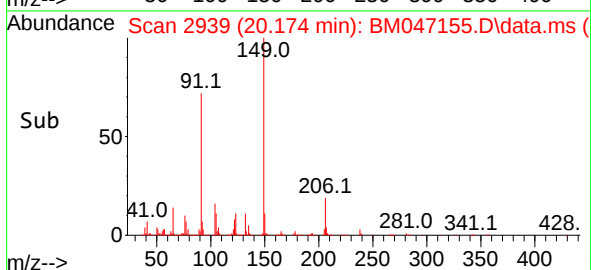
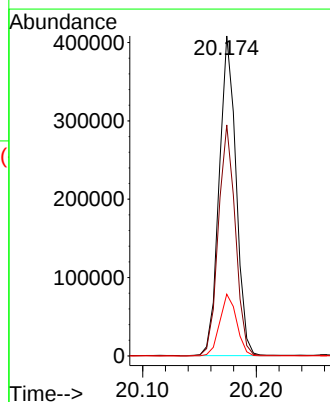
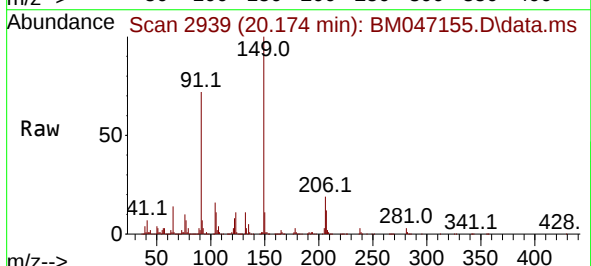
Delta R.T. -0.000 min

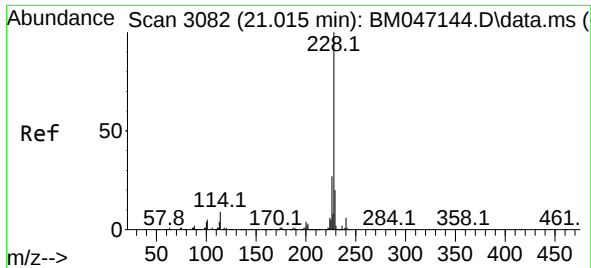
Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Tgt Ion:149 Resp: 421036

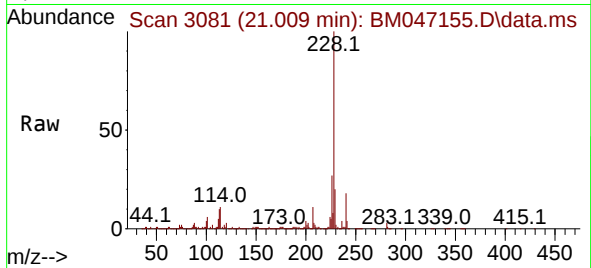
Ion	Ratio	Lower	Upper
149	100		
91	72.2	57.0	85.4
206	19.3	16.4	24.6





#81
Benzo(a)anthracene
Concen: 8.159 ng
RT: 21.009 min Scan# 3082
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

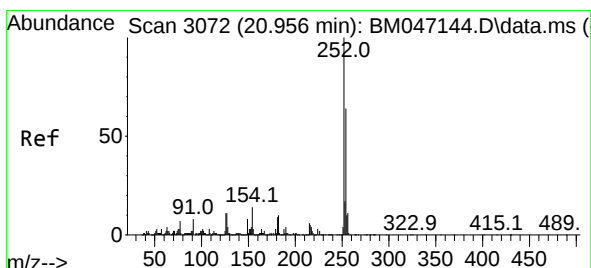
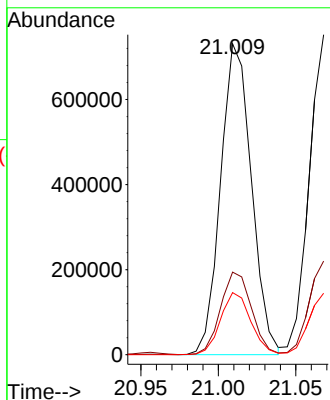
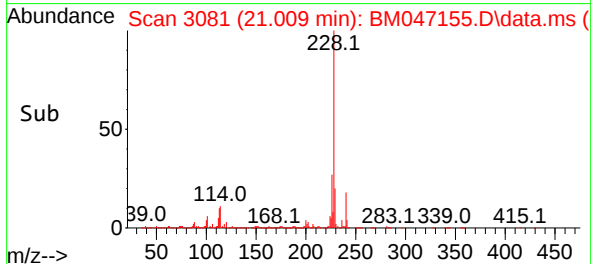
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



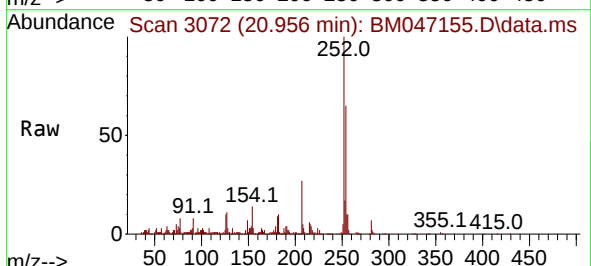
Tgt Ion:228 Resp: 1011740
Ion Ratio Lower Upper
228 100
226 26.6 21.8 32.6
229 20.0 15.8 23.8

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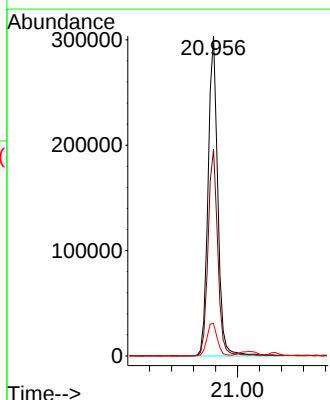
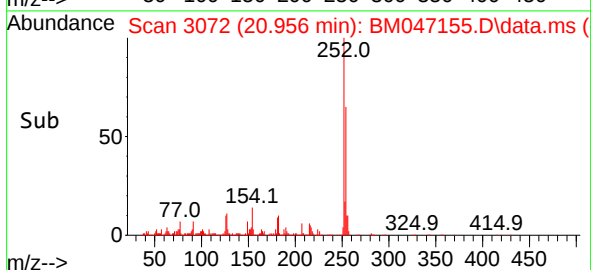
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

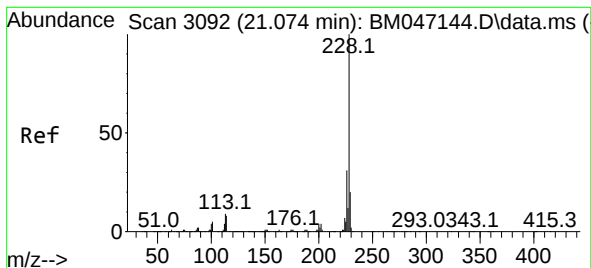


#82
3,3'-Dichlorobenzidine
Concen: 9.568 ng
RT: 20.956 min Scan# 3072
Delta R.T. -0.000 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45



Tgt Ion:252 Resp: 371226
Ion Ratio Lower Upper
252 100
254 64.6 51.0 76.6
126 10.1 8.5 12.7





#83

Chrysene

Concen: 8.051 ng

RT: 21.068 min Scan# 3092

Delta R.T. -0.006 min

Lab File: BM047155.D

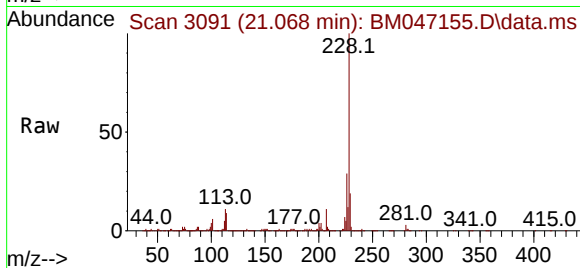
Acq: 12 Aug 2024 13:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:228 Resp: 947190

Ion Ratio Lower Upper

228 100

226 29.2 24.4 36.6

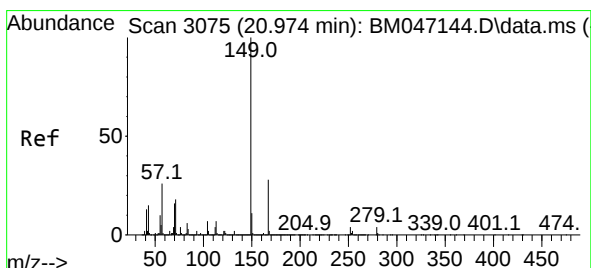
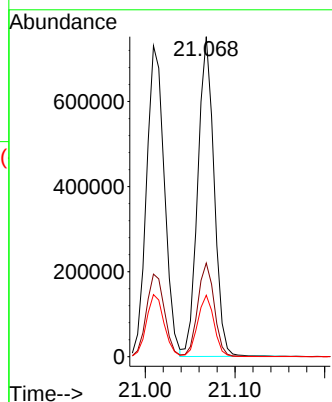
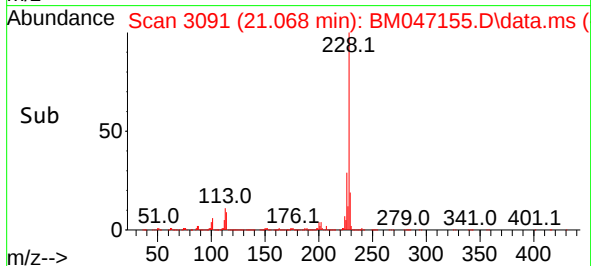
229 19.2 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.153 ng

RT: 20.974 min Scan# 3075

Delta R.T. -0.000 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

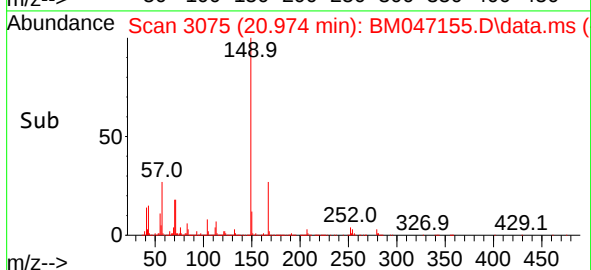
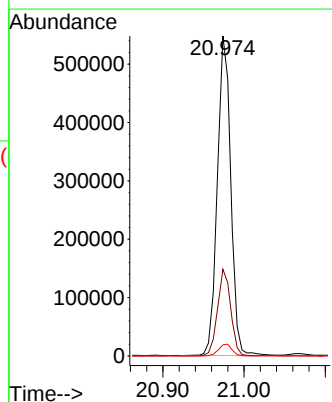
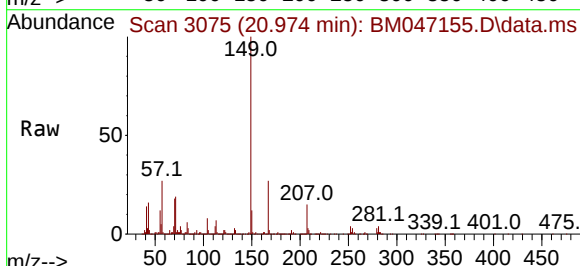
Tgt Ion:149 Resp: 629384

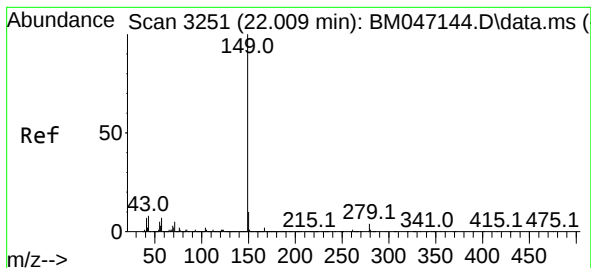
Ion Ratio Lower Upper

149 100

167 27.1 22.2 33.2

279 3.5 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 7.630 ng

RT: 22.009 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM047155.D

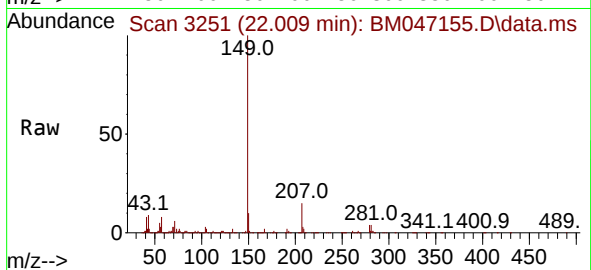
Acq: 12 Aug 2024 13:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:149 Resp: 100111

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

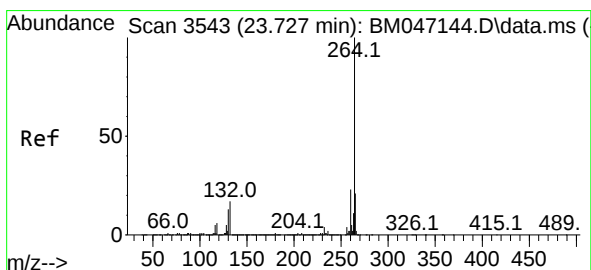
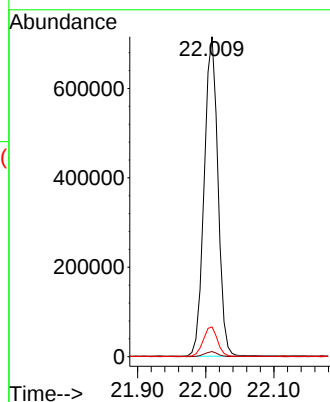
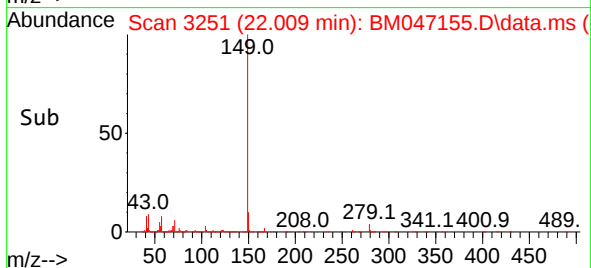
43 9.6 6.9 10.3

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: BM047155.D

Acq: 12 Aug 2024 13:45

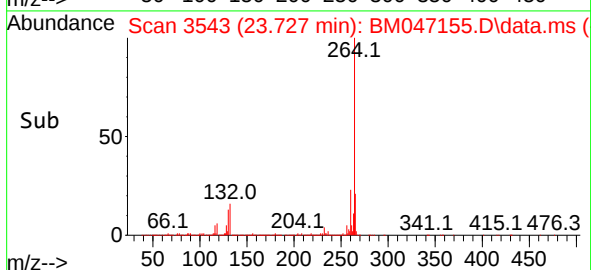
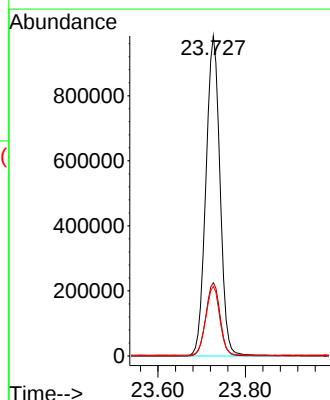
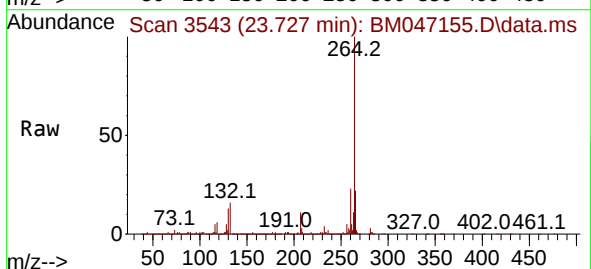
Tgt Ion:264 Resp: 2209570

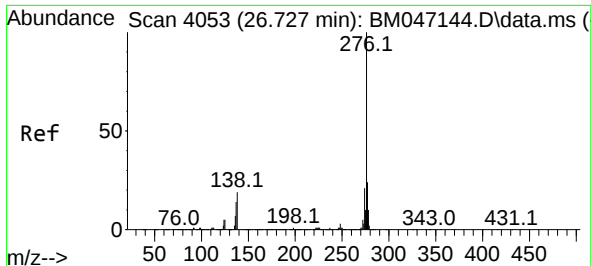
Ion Ratio Lower Upper

264 100

260 22.9 18.5 27.7

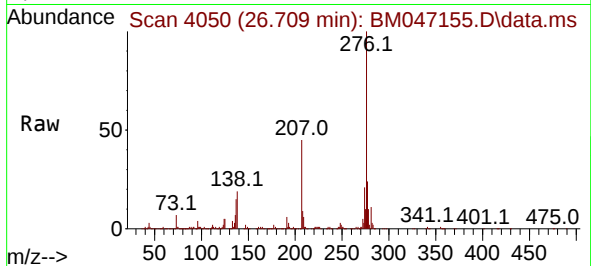
265 21.8 17.3 25.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.938 ng
RT: 26.709 min Scan# 4053
Delta R.T. -0.018 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

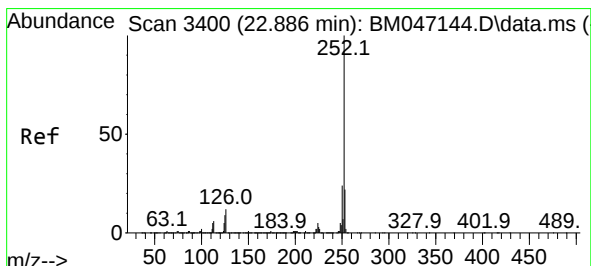
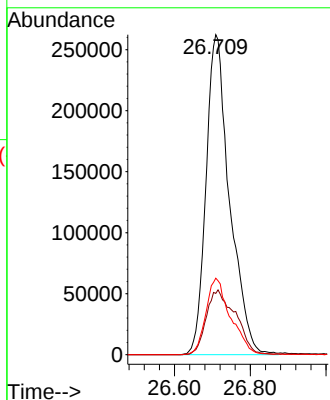
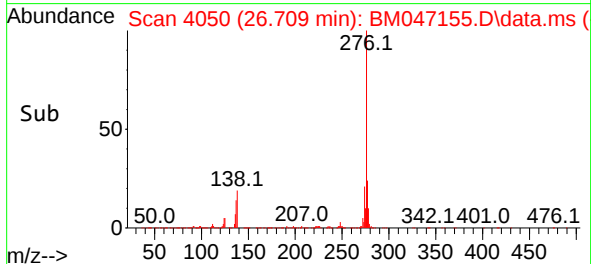
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion: 276 Resp: 113366
Ion Ratio Lower Upper
276 100
138 25.1 19.4 29.0
277 24.9 20.1 30.1

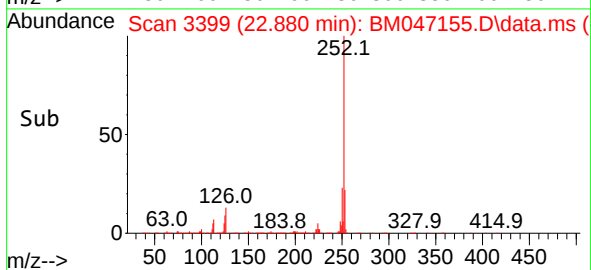
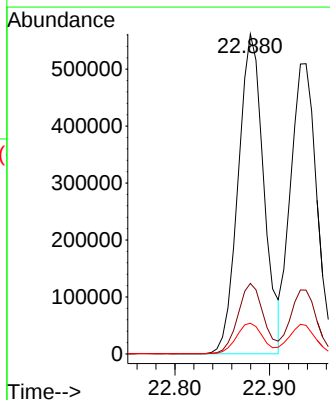
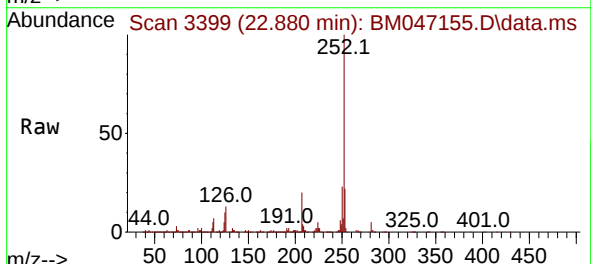
Manual Integrations
APPROVED

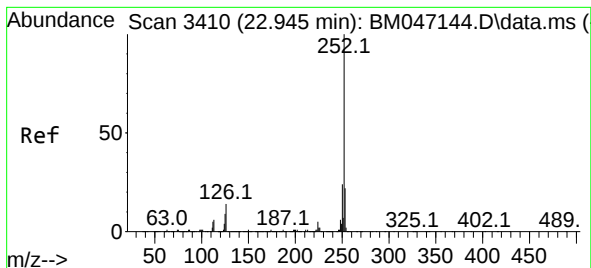
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/14/2024



#88
Benzo(b)fluoranthene
Concen: 8.041 ng
RT: 22.880 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

Tgt Ion: 252 Resp: 1055112
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 9.6 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 7.902 ng

RT: 22.938 min Scan# 3410

Delta R.T. -0.006 min

Lab File: BM047155.D

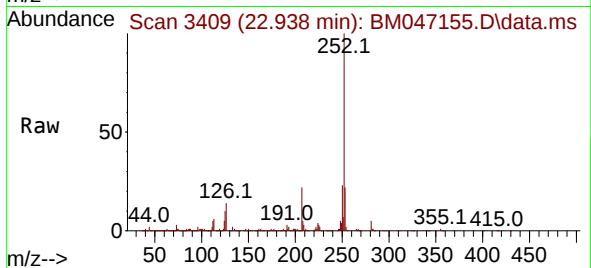
Acq: 12 Aug 2024 13:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



Tgt Ion:252 Resp: 979390

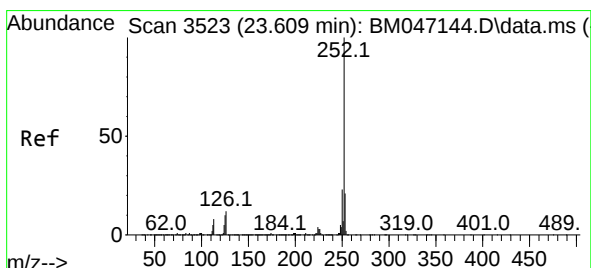
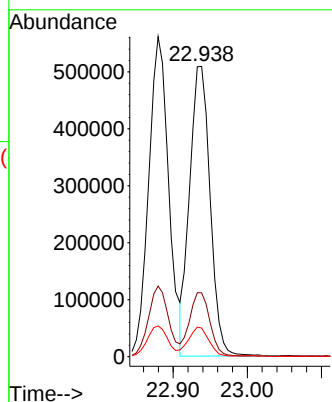
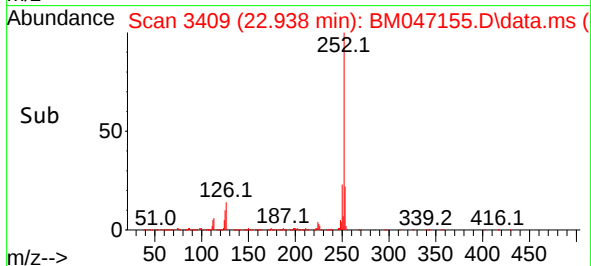
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.9	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/14/2024



#90

Benzo(a)pyrene

Concen: 7.804 ng

RT: 23.597 min Scan# 3521

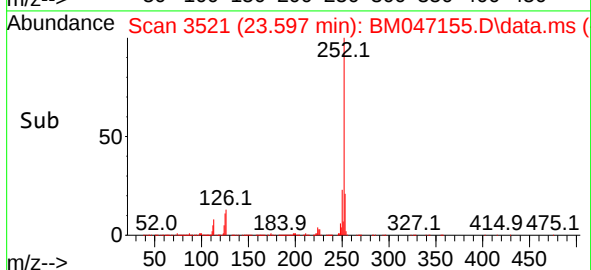
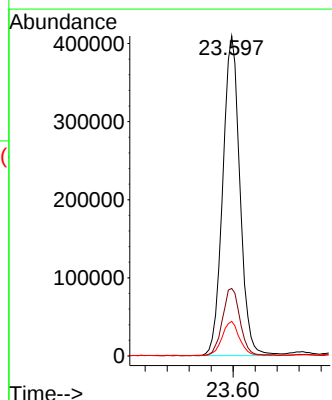
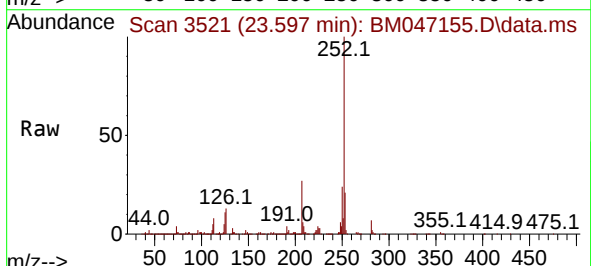
Delta R.T. -0.012 min

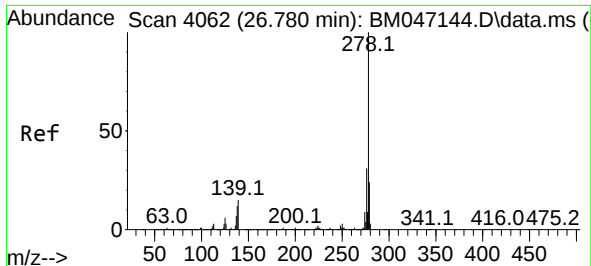
Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Tgt Ion:252 Resp: 887084

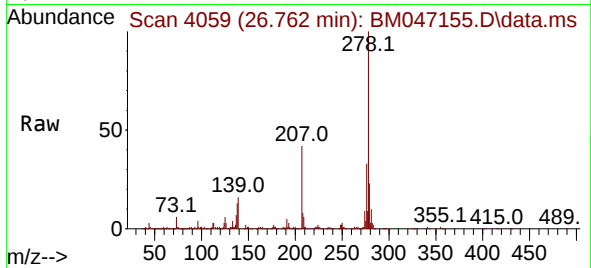
Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.1	25.7
125	10.8	8.2	12.2





#91
Dibenzo(a,h)anthracene
Concen: 8.165 ng
RT: 26.762 min Scan# 4062
Delta R.T. -0.018 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

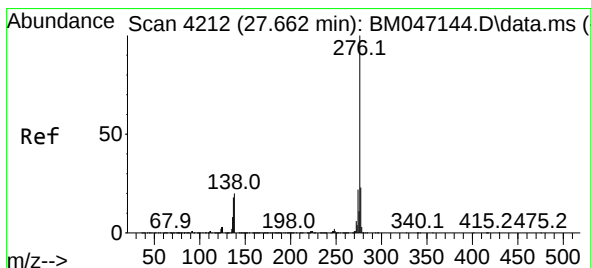
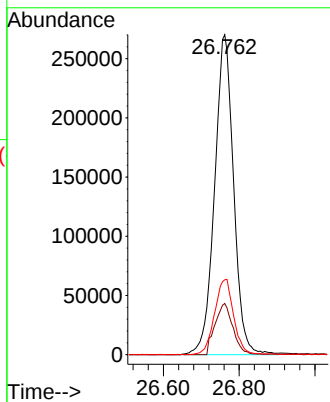
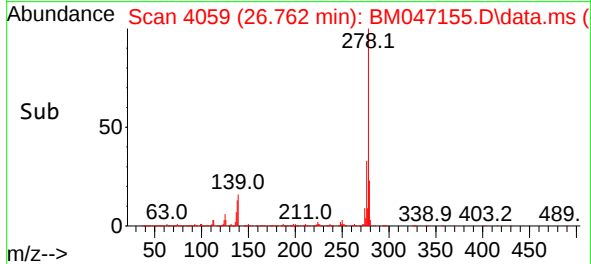
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024



Tgt Ion: 278 Resp: 94373
Ion Ratio Lower Upper
278 100
139 16.0 12.0 18.0
279 23.4 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: 7.604 ng
RT: 27.638 min Scan# 4208
Delta R.T. -0.024 min
Lab File: BM047155.D
Acq: 12 Aug 2024 13:45

Tgt Ion: 276 Resp: 912547
Ion Ratio Lower Upper
276 100
277 23.2 18.8 28.2
138 21.2 16.2 24.4

