

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091724\
 Data File : BM047547.D
 Acq On : 17 Sep 2024 17:07
 Operator : RC/JU
 Sample : P2403-01
 Misc : LOD-MDL-SOIL-8 PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Quant Time: Sep 17 17:40:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
 Supervised By :mohammad ahmed 09/19/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	366501	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1589437	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	901805	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1707279	20.000	ng	0.00
76) Chrysene-d12	21.433	240	1426234	20.000	ng	#-0.01
86) Perylene-d12	24.462	264	1323754	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	3345019	145.320	ng	0.00
7) Phenol-d6	7.010	99	4649051	143.417	ng	0.00
23) Nitrobenzene-d5	9.004	82	3325735	104.716	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	1374665	157.704	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	6837722	104.447	ng	0.00
79) Terphenyl-d14	19.827	244	8778014	110.288	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.322	88	103700	10.518	ng	98
3) Pyridine	3.716	79	251515	8.570	ng	95
4) n-Nitrosodimethylamine	3.628	42	124194	9.327	ng	# 93
6) Aniline	7.175	93	297836	10.364	ng	99
8) 2-Chlorophenol	7.410	128	226478	8.925	ng	96
9) Benzaldehyde	6.987	77	227287m	14.746	ng	
10) Phenol	7.034	94	288926	8.902	ng	98
11) bis(2-Chloroethyl)ether	7.269	93	235586	9.041	ng	97
12) 1,3-Dichlorobenzene	7.739	146	235549	8.481	ng	99
13) 1,4-Dichlorobenzene	7.881	146	238330	8.425	ng	100
14) 1,2-Dichlorobenzene	8.198	146	232546	8.353	ng	98
15) Benzyl Alcohol	8.081	79	193930	8.832	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.369	45	356811	9.734	ng	99
17) 2-Methylphenol	8.281	107	167640	8.085	ng	97
18) Hexachloroethane	8.933	117	98798	8.742	ng	96
19) n-Nitroso-di-n-propyla...	8.651	70	191316	8.753	ng	99
20) 3+4-Methylphenols	8.610	107	223780	7.735	ng	96
22) Acetophenone	8.663	105	362435	8.673	ng	# 98
24) Nitrobenzene	9.039	77	298085	9.134	ng	97
25) Isophorone	9.569	82	496181	8.887	ng	99
26) 2-Nitrophenol	9.751	139	82743	7.440	ng	98
27) 2,4-Dimethylphenol	9.810	122	103590	6.145	ng	98
28) bis(2-Chloroethoxy)met...	10.051	93	305187	8.702	ng	100
29) 2,4-Dichlorophenol	10.286	162	165910	7.746	ng	95
30) 1,2,4-Trichlorobenzene	10.504	180	194957	7.947	ng	99
31) Naphthalene	10.692	128	698236	8.134	ng	100
32) Benzoic acid	9.880	122	79264	10.803	ng	99
33) 4-Chloroaniline	10.792	127	275028	8.861	ng	99
34) Hexachlorobutadiene	10.986	225	102701	7.558	ng	98
35) Caprolactam	11.551	113	56184	7.964	ng	96
36) 4-Chloro-3-methylphenol	11.910	107	189048	7.702	ng	99
37) 2-Methylnaphthalene	12.304	142	443437	7.762	ng	99
38) 1-Methylnaphthalene	12.521	142	416659	7.339	ng	99
40) 1,2,4,5-Tetrachloroben...	12.669	216	191955	7.866	ng	98
41) Hexachlorocyclopentadiene	12.657	237	47230	5.921	ng	97
43) 2,4,6-Trichlorophenol	12.910	196	112688	7.371	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	126595	7.331	ng	98
46) 1,1'-Biphenyl	13.310	154	595812	8.492	ng	98
47) 2-Chloronaphthalene	13.351	162	433719	7.961	ng	98
48) 2-Nitroaniline	13.545	65	124687	7.792	ng	94
49) Acenaphthylene	14.198	152	683801	8.697	ng	99
50) Dimethylphthalate	13.927	163	514266	8.367	ng	100
51) 2,6-Dinitrotoluene	14.039	165	99621	7.678	ng	90
52) Acenaphthene	14.539	154	425122	7.717	ng	99
53) 3-Nitroaniline	14.368	138	115109	7.981	ng	97
54) 2,4-Dinitrophenol	14.568	184	28320	8.365	ng	# 72
55) Dibenzofuran	14.874	168	634848	8.201	ng	97
56) 4-Nitrophenol	14.668	139	87195	7.347	ng	99
57) 2,4-Dinitrotoluene	14.821	165	123204	7.119	ng	86
58) Fluorene	15.521	166	521693	7.485	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.098	232	99821	7.414	ng	93
60) Diethylphthalate	15.292	149	540702	8.266	ng	98
61) 4-Chlorophenyl-phenyle...	15.515	204	229409	7.199	ng	96
62) 4-Nitroaniline	15.521	138	117327	6.921	ng	90
63) Azobenzene	15.809	77	647574	8.990	ng	97
65) 4,6-Dinitro-2-methylph...	15.586	198	43360	11.413	ng	94
66) n-Nitrosodiphenylamine	15.727	169	411685	7.882	ng	99
67) 4-Bromophenyl-phenylether	16.409	248	122212	7.367	ng	99
68) Hexachlorobenzene	16.521	284	139781	7.438	ng	94
69) Atrazine	16.674	200	117631	8.149	ng	99
70) Pentachlorophenol	16.862	266	69908	6.417	ng	99
71) Phenanthrene	17.251	178	756841	8.044	ng	100
72) Anthracene	17.345	178	688686	7.619	ng	100
73) Carbazole	17.603	167	702458	7.841	ng	99
74) Di-n-butylphthalate	18.180	149	841558	7.851	ng	98
75) Fluoranthene	19.262	202	746897	7.276	ng	96
77) Benzidine	19.439	184	218387	10.872	ng	98
78) Pyrene	19.621	202	784256	7.539	ng	100
80) Butylbenzylphthalate	20.521	149	297484	7.428	ng	94
81) Benzo(a)anthracene	21.415	228	769623	8.279	ng	99
82) 3,3'-Dichlorobenzidine	21.339	252	206816	8.363	ng	99
83) Chrysene	21.480	228	715948	8.142	ng	100
84) Bis(2-ethylhexyl)phtha...	21.350	149	502768	8.014	ng	# 97
85) Di-n-octyl phthalate	22.497	149	707224	7.970	ng	98
87) Indeno(1,2,3-cd)pyrene	27.868	276	685882	8.658	ng	96
88) Benzo(b)fluoranthene	23.503	252	663426	7.746	ng	99
89) Benzo(k)fluoranthene	23.568	252	691859	8.151	ng	98
90) Benzo(a)pyrene	24.315	252	582018	8.291	ng	98
91) Dibenzo(a,h)anthracene	27.938	278	554863	8.325	ng	97
92) Benzo(g,h,i)perylene	28.932	276	528673	8.120	ng	97

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

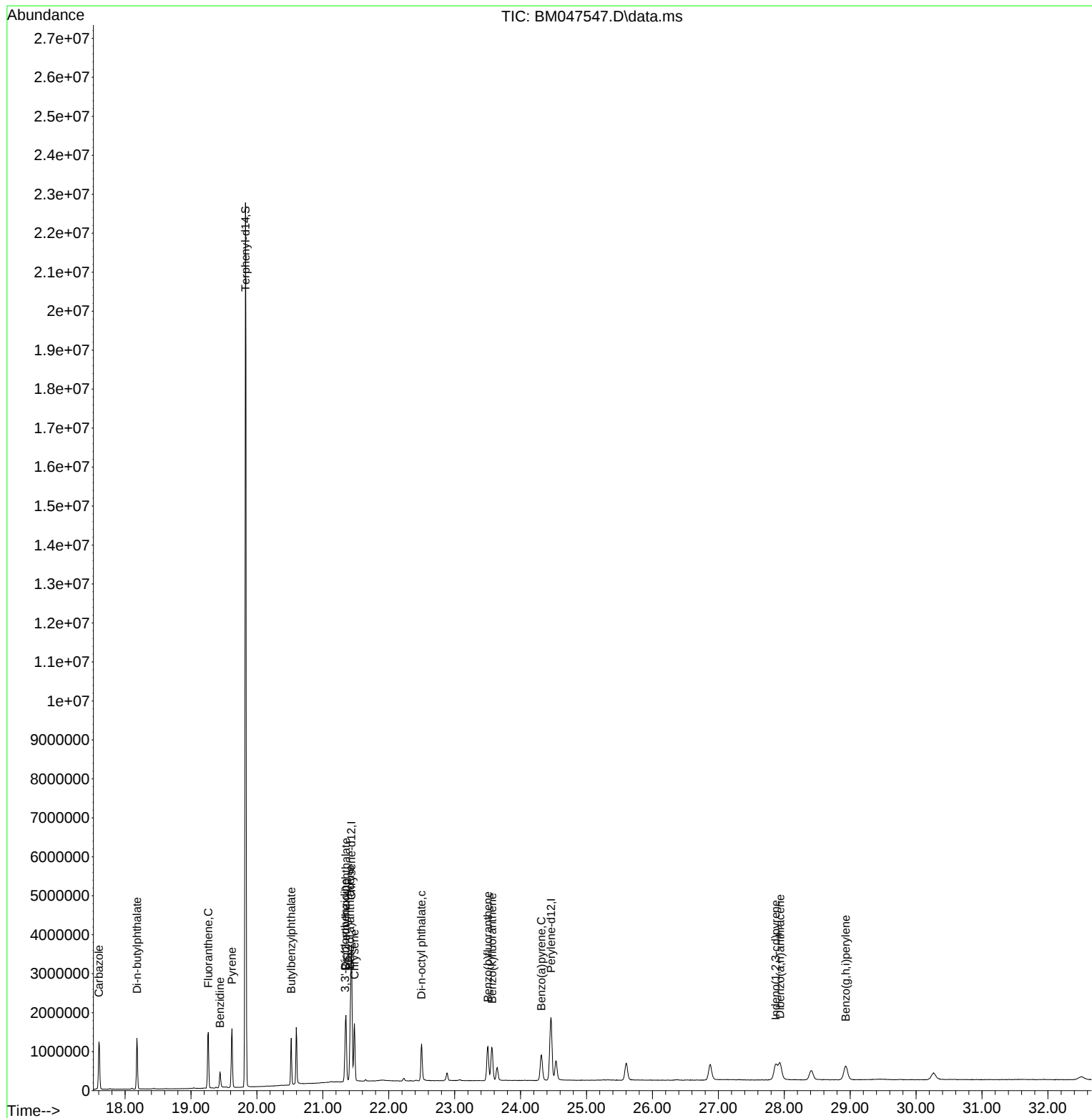
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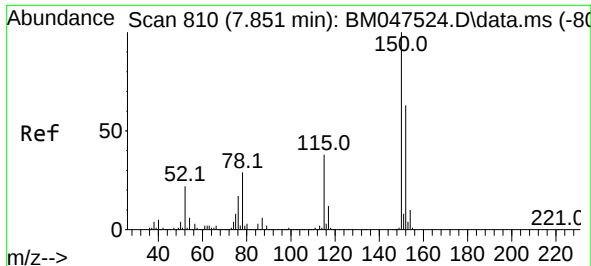
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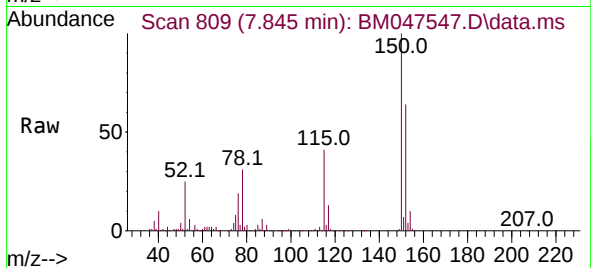
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

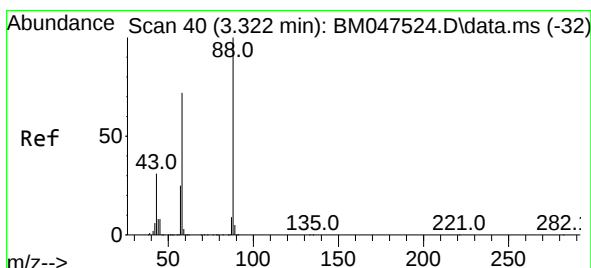
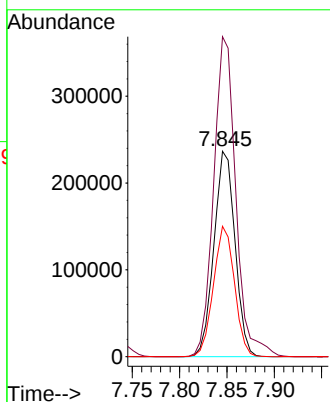
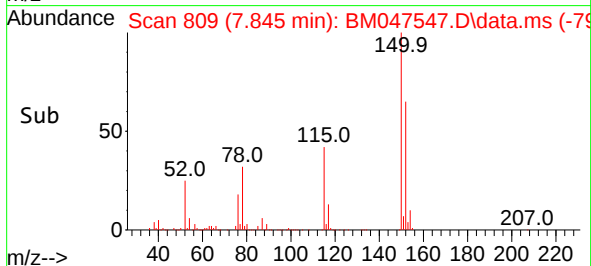
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:152 Resp: 36650
Ion Ratio Lower Upper
152 100
150 155.8 126.8 190.2
115 63.5 47.8 71.8

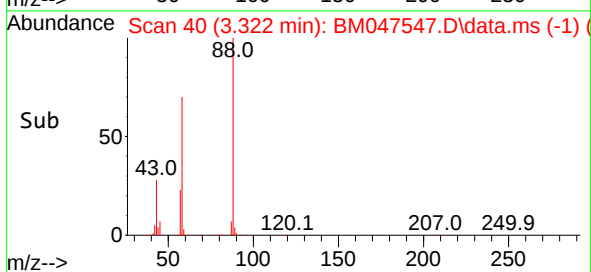
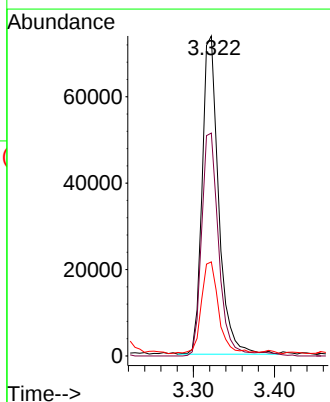
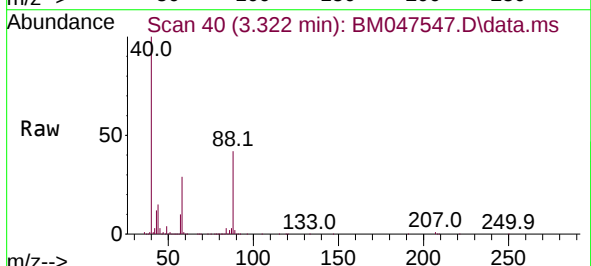
Manual Integrations
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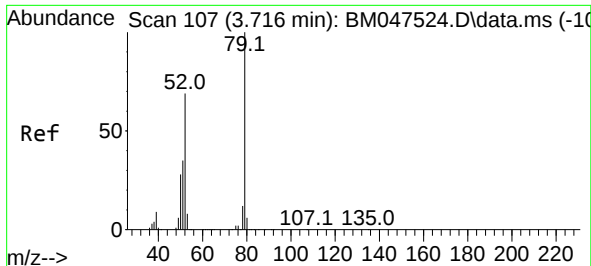
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#2
1,4-Dioxane
Concen: 10.518 ng
RT: 3.322 min Scan# 40
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

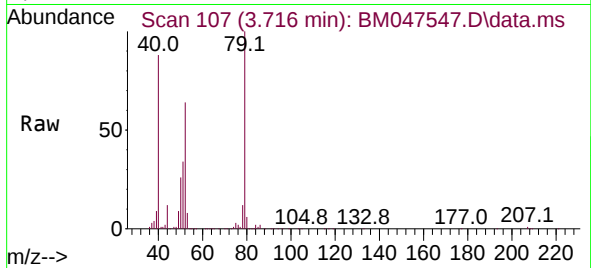
Tgt Ion: 88 Resp: 103700
Ion Ratio Lower Upper
88 100
58 72.1 59.0 88.6
43 30.3 25.0 37.4





#3
Pyridine
Concen: 8.570 ng
RT: 3.716 min Scan# 107
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

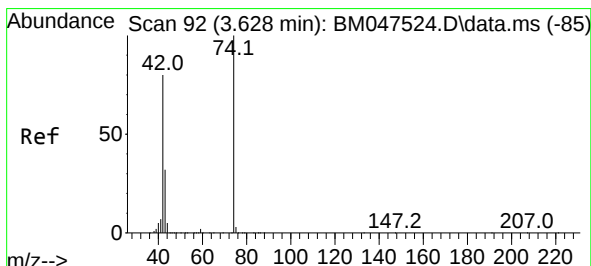
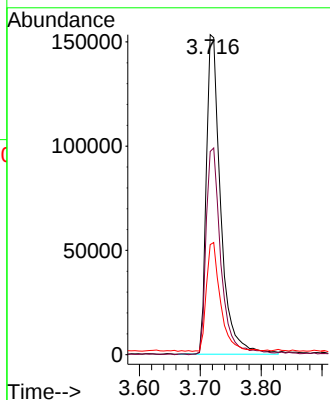
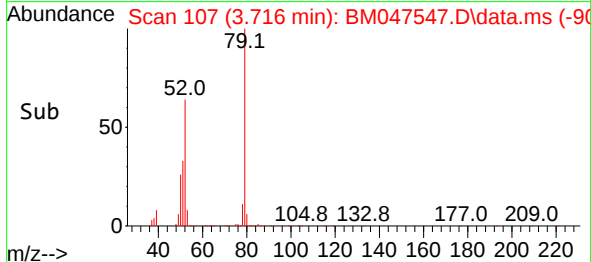
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



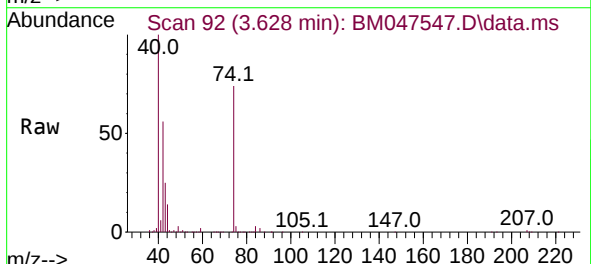
Tgt Ion: 79 Resp: 25151
Ion Ratio Lower Upper
79 100
52 63.5 55.4 83.0
51 34.4 27.9 41.9

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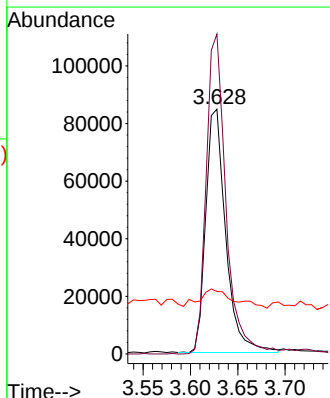
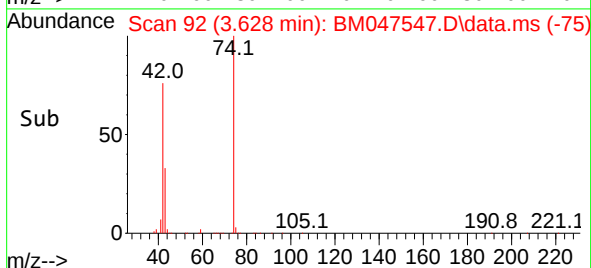
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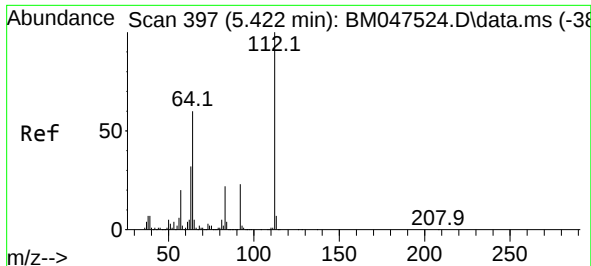


#4
n-Nitrosodimethylamine
Concen: 9.327 ng
RT: 3.628 min Scan# 92
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07



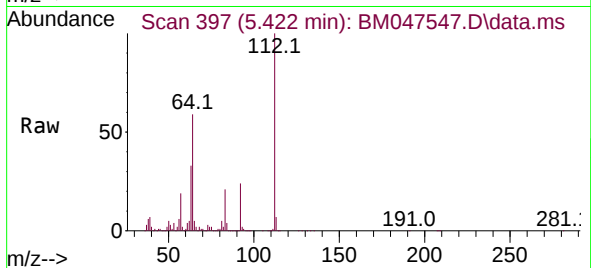
Tgt Ion: 42 Resp: 124194
Ion Ratio Lower Upper
42 100
74 130.7 100.5 150.7
44 25.6 6.9 10.3#





#5
2-Fluorophenol
Concen: 145.320 ng
RT: 5.422 min Scan# 397
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

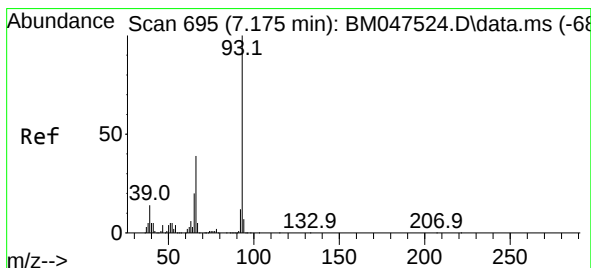
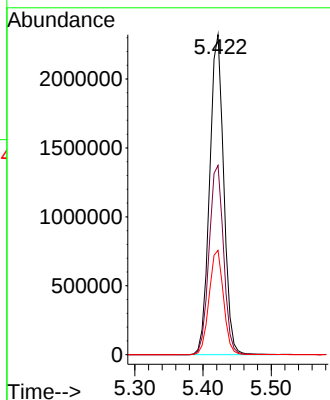
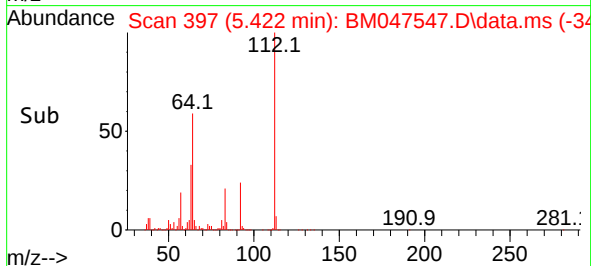
Instrument :
BNA_M
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LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 112 Resp: 3345019
Ion Ratio Lower Upper
112 100
64 59.2 48.2 72.4
63 32.6 26.0 39.0

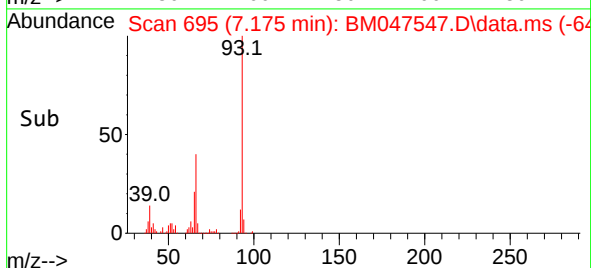
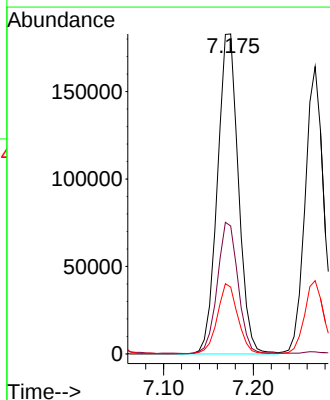
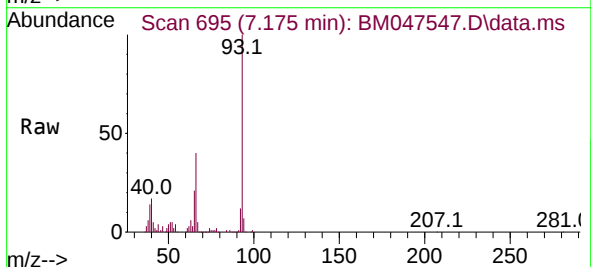
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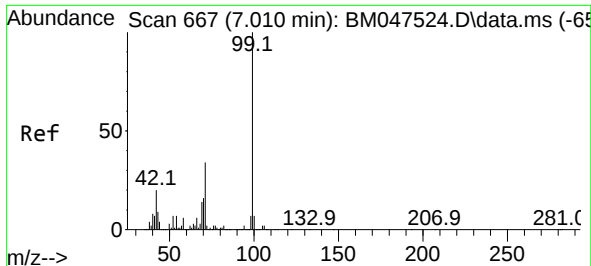
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#6
Aniline
Concen: 10.364 ng
RT: 7.175 min Scan# 695
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

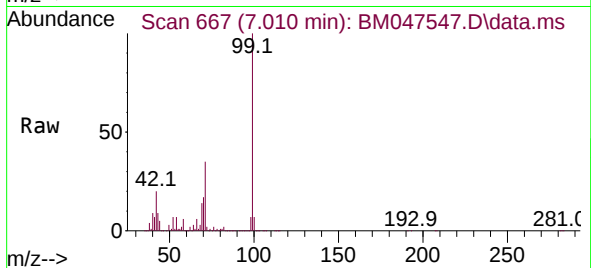
Tgt Ion: 93 Resp: 297836
Ion Ratio Lower Upper
93 100
66 40.0 31.4 47.0
65 20.9 16.3 24.5





#7
Phenol-d6
Concen: 143.417 ng
RT: 7.010 min Scan# 60
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

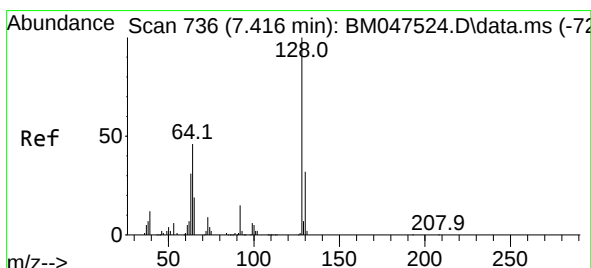
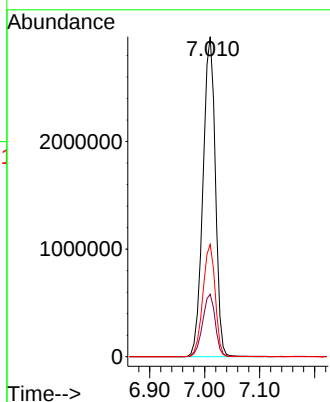
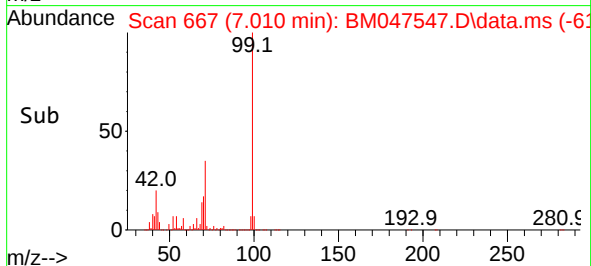
Instrument :
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LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 99 Resp: 464905
Ion Ratio Lower Upper
99 100
42 19.5 15.8 23.8
71 35.0 27.6 41.4

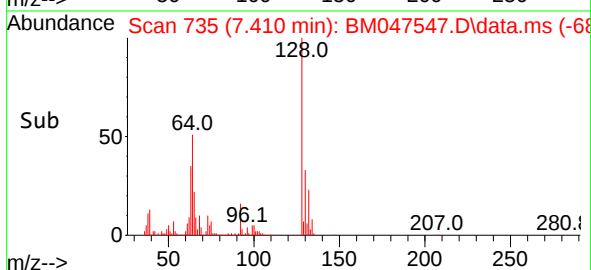
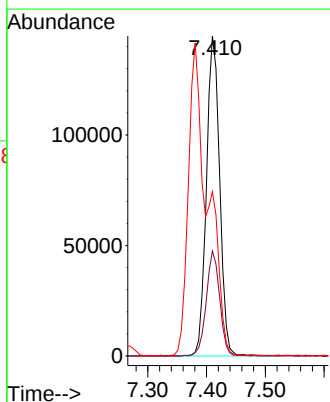
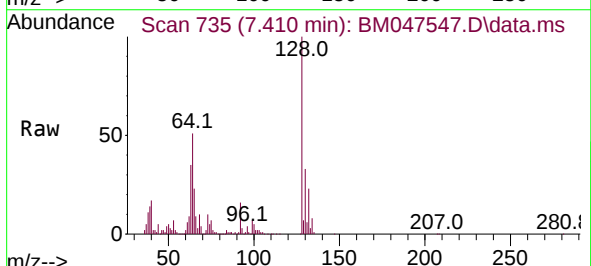
Manual Integrations
APPROVED

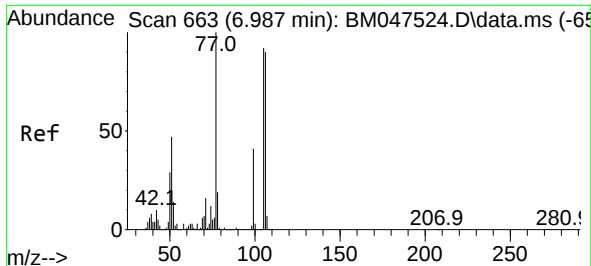
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#8
2-Chlorophenol
Concen: 8.925 ng
RT: 7.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

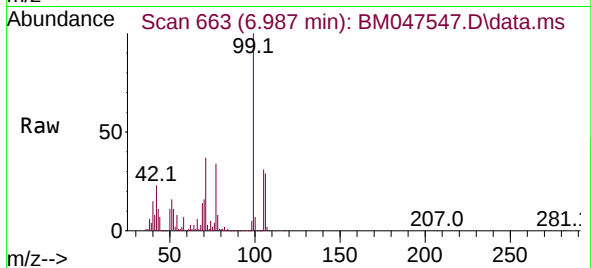
Tgt Ion:128 Resp: 226478
Ion Ratio Lower Upper
128 100
130 32.8 11.8 51.8
64 51.4 27.6 67.6





#9
Benzaldehyde
Concen: 14.746 ng m
RT: 6.987 min Scan# 663
Delta R.T. -0.000 min
Lab File: BM047547.D
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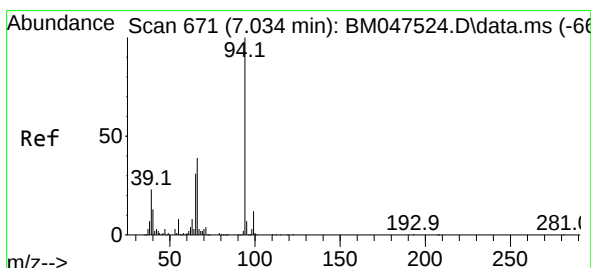
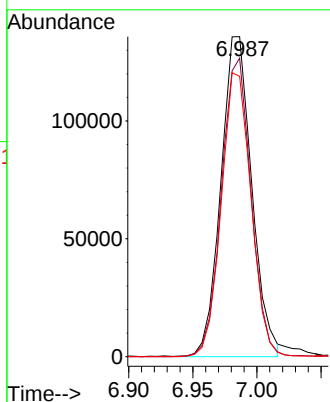
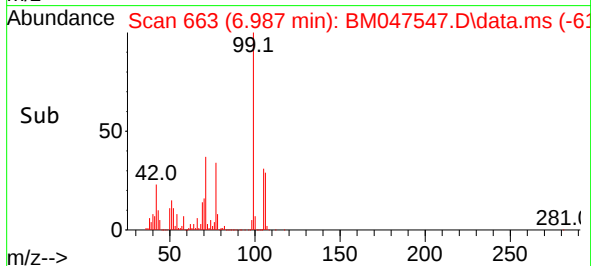
Instrument :
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LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 77 Resp: 22728
Ion Ratio Lower Upper
77 100
105 93.3 71.8 111.8
106 87.6 69.7 109.7

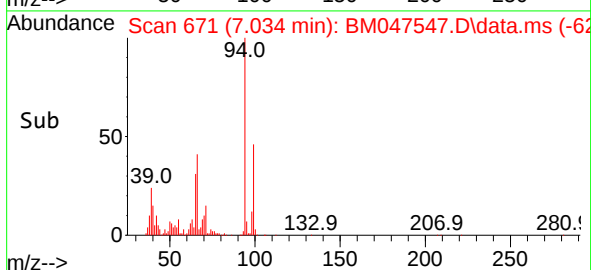
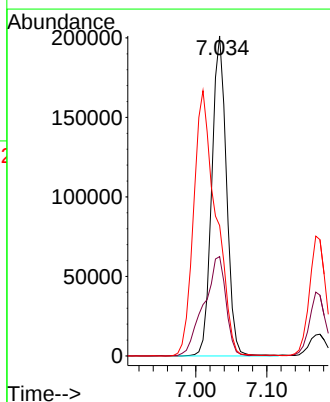
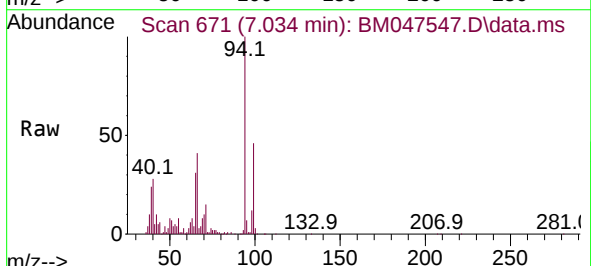
Manual Integrations
APPROVED

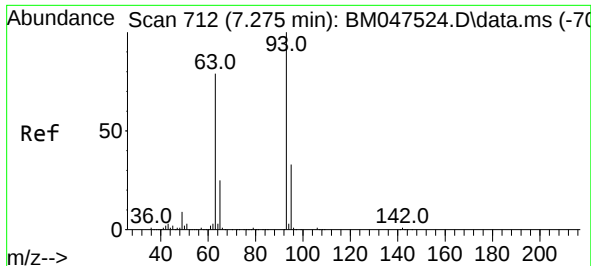
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#10
Phenol
Concen: 8.902 ng
RT: 7.034 min Scan# 671
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

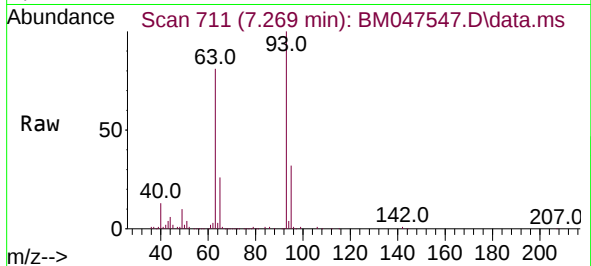
Tgt Ion: 94 Resp: 288926
Ion Ratio Lower Upper
94 100
65 31.1 10.8 50.8
66 40.8 19.2 59.2





#11
bis(2-Chloroethyl)ether
Concen: 9.041 ng
RT: 7.269 min Scan# 712
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

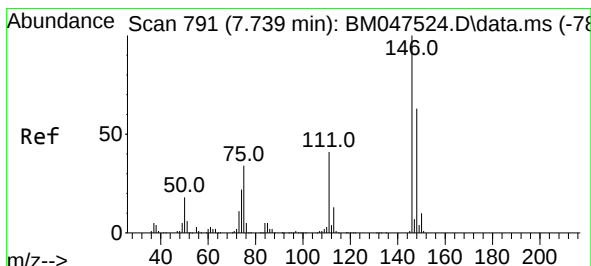
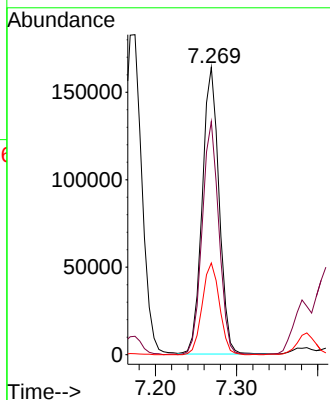
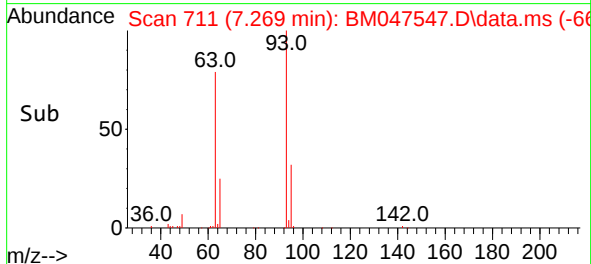
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 93 Resp: 235580
Ion Ratio Lower Upper
93 100
63 81.1 58.2 98.2
95 31.9 12.8 52.8

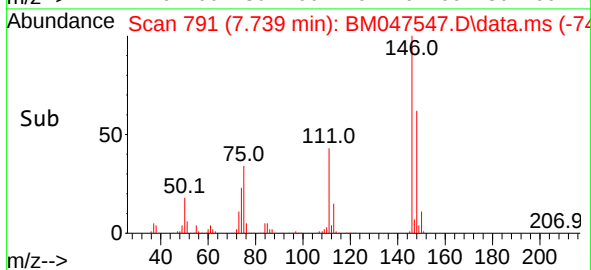
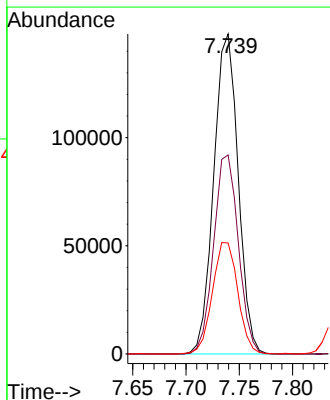
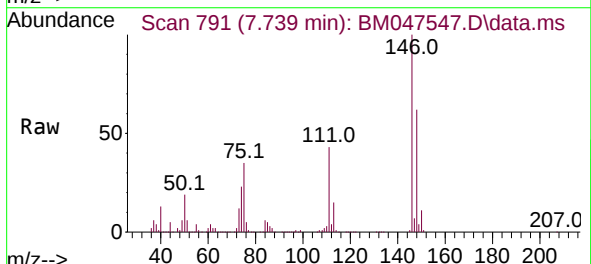
Manual Integrations
APPROVED

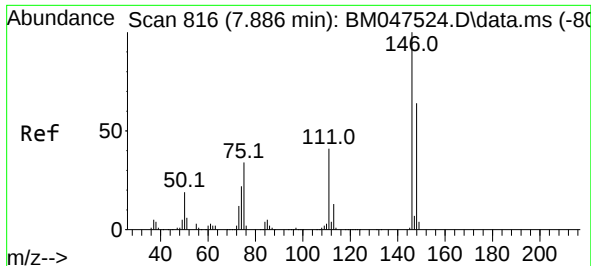
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#12
1,3-Dichlorobenzene
Concen: 8.481 ng
RT: 7.739 min Scan# 791
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

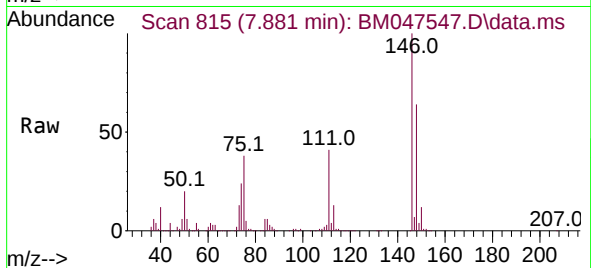
Tgt Ion:146 Resp: 235549
Ion Ratio Lower Upper
146 100
148 62.2 50.2 75.4
75 34.7 27.4 41.0





#13
1,4-Dichlorobenzene
Concen: 8.425 ng
RT: 7.881 min Scan# 816
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

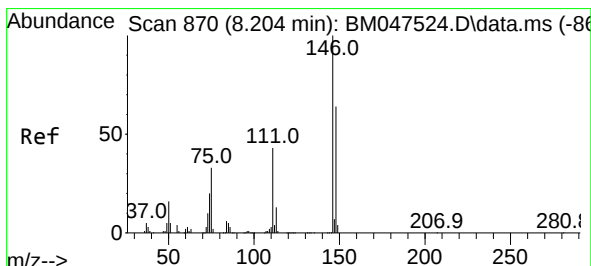
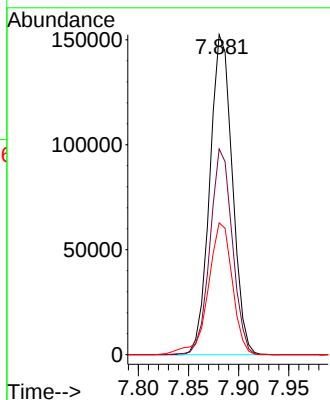
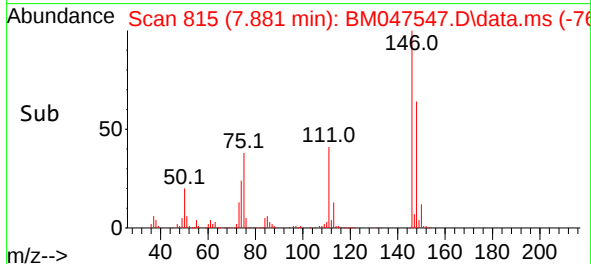
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



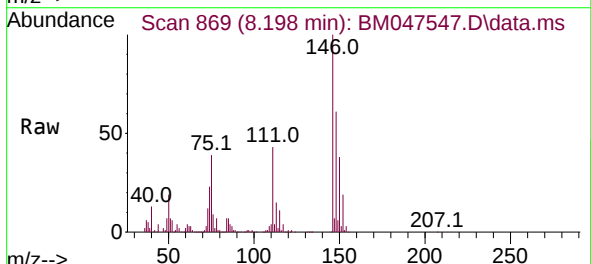
Tgt Ion:146 Resp: 238330
Ion Ratio Lower Upper
146 100
148 64.3 51.3 76.9
111 41.2 32.9 49.3

Manual Integrations
APPROVED

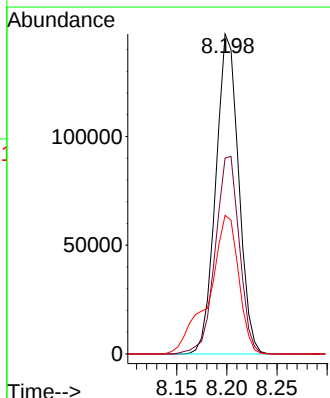
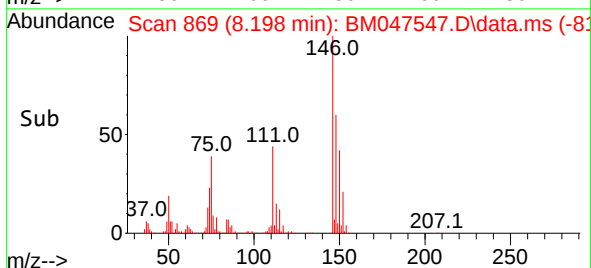
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

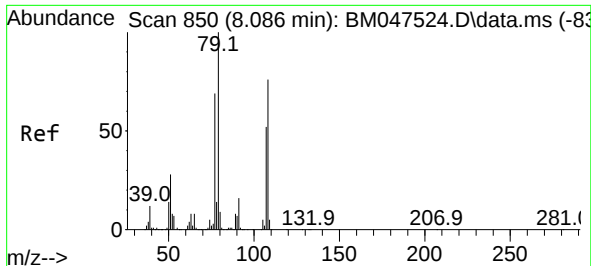


#14
1,2-Dichlorobenzene
Concen: 8.353 ng
RT: 8.198 min Scan# 869
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07



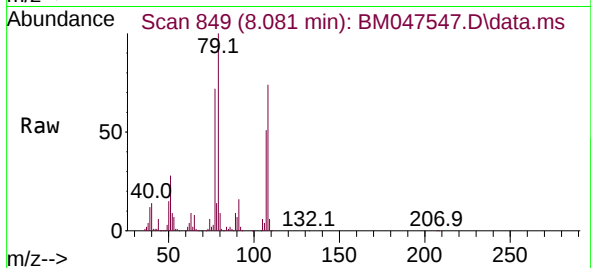
Tgt Ion:146 Resp: 232546
Ion Ratio Lower Upper
146 100
148 61.2 51.1 76.7
111 43.3 34.7 52.1





#15
Benzyl Alcohol
Concen: 8.832 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

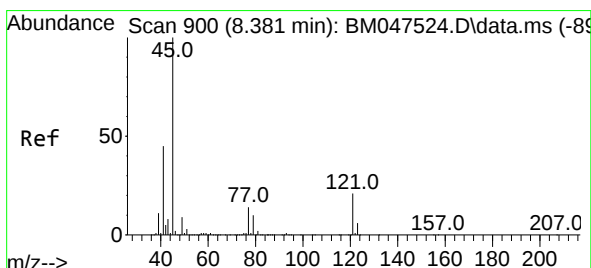
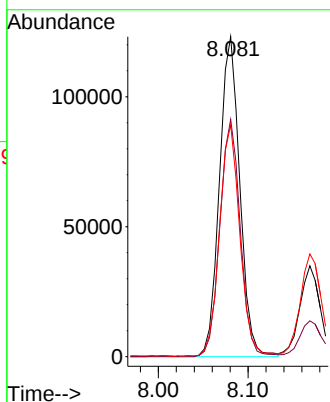
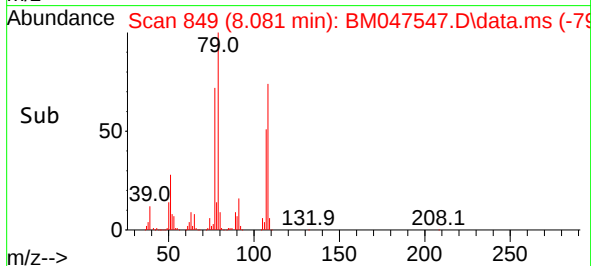
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 79 Resp: 193930
Ion Ratio Lower Upper
79 100
108 74.1 60.6 91.0
77 72.5 55.0 82.4

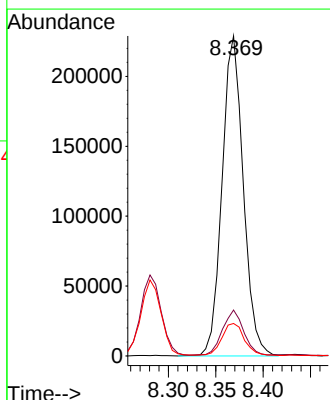
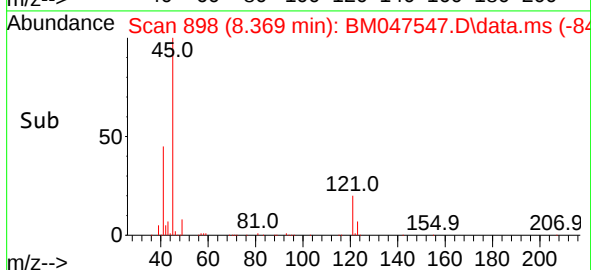
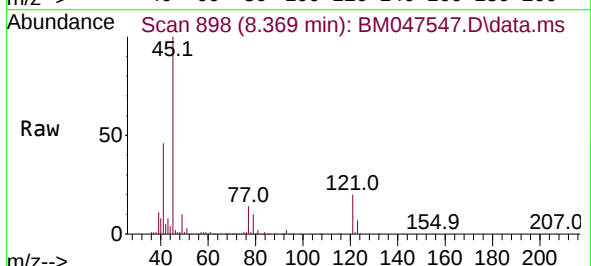
Manual Integrations
APPROVED

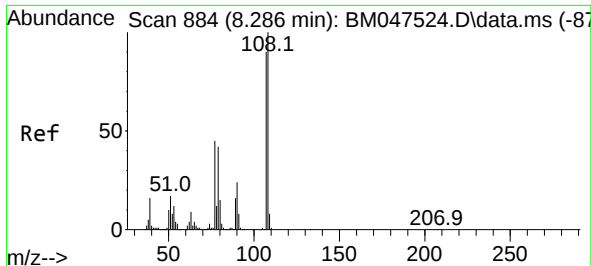
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.734 ng
RT: 8.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion: 45 Resp: 356811
Ion Ratio Lower Upper
45 100
77 14.4 0.0 33.7
79 10.2 0.0 30.3





#17

2-Methylphenol

Concen: 8.085 ng

RT: 8.281 min Scan# 884

Delta R.T. -0.006 min

Lab File: BM047547.D

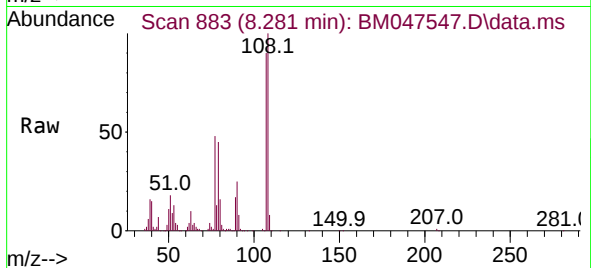
Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:107 Resp: 167640

Ion Ratio Lower Upper

107 100

108 111.5 88.9 133.3

77 53.6 39.8 59.8

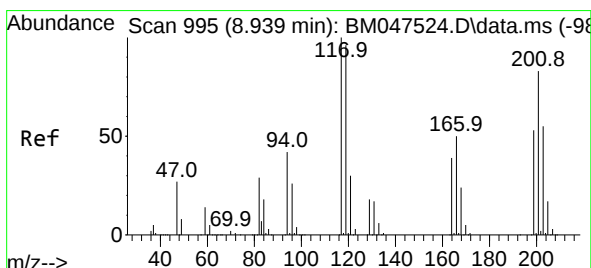
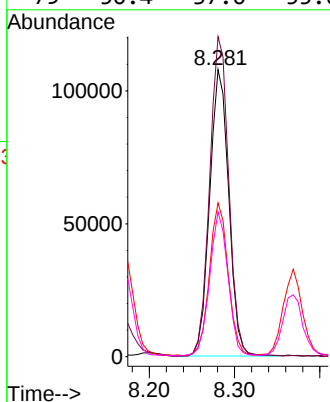
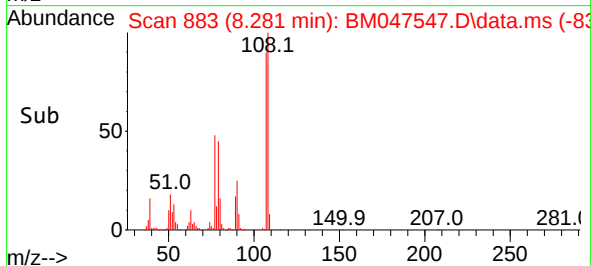
79 50.4 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024

Supervised By :mohammad ahmed 09/19/2024



#18

Hexachloroethane

Concen: 8.742 ng

RT: 8.933 min Scan# 994

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

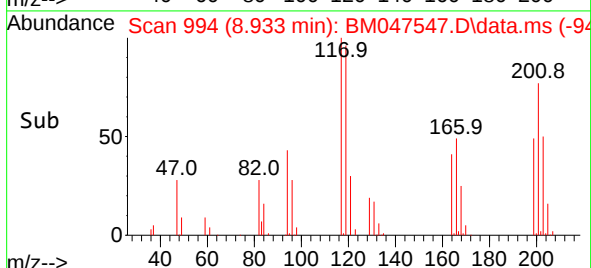
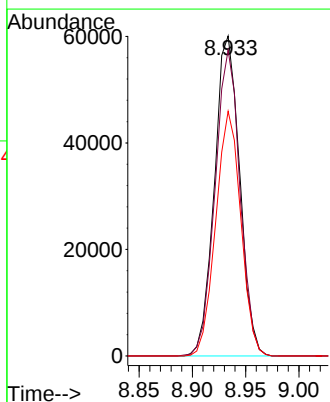
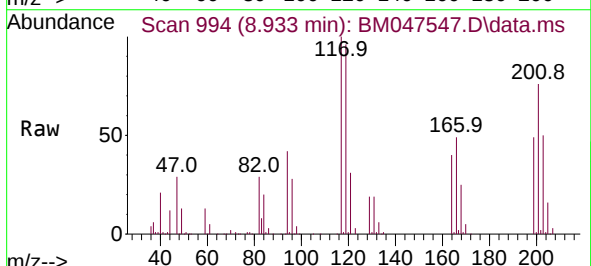
Tgt Ion:117 Resp: 98798

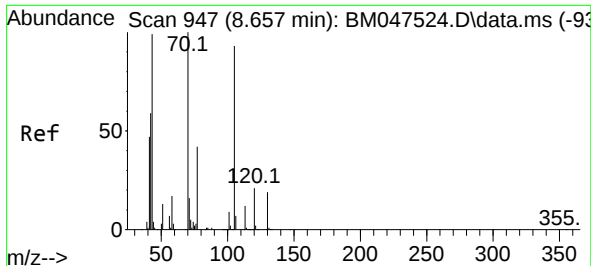
Ion Ratio Lower Upper

117 100

119 95.6 77.0 115.4

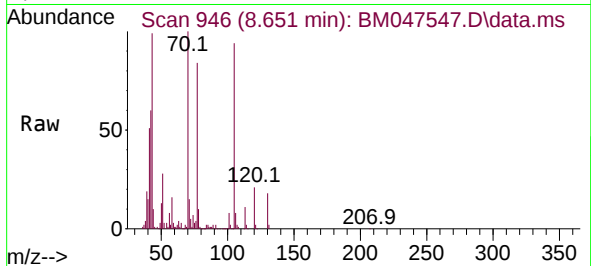
201 76.4 66.8 100.2





#19
n-Nitroso-di-n-propylamine
Concen: 8.753 ng
RT: 8.651 min Scan# 947
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

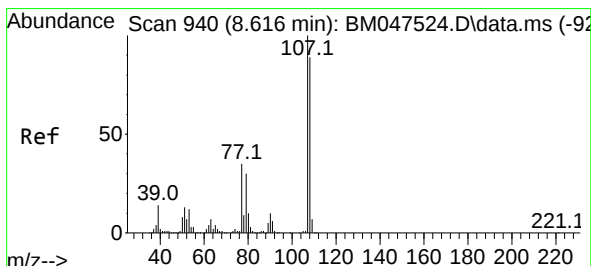
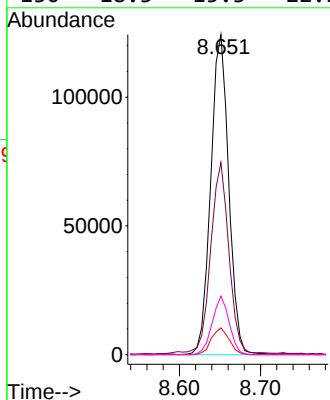
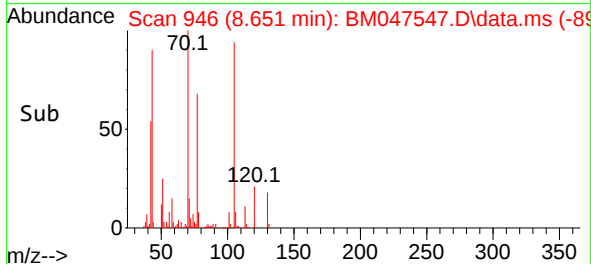
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 70 Resp: 191310
Ion Ratio Lower Upper
70 100
42 60.0 48.2 72.2
101 8.4 7.0 10.4
130 18.3 15.3 22.9

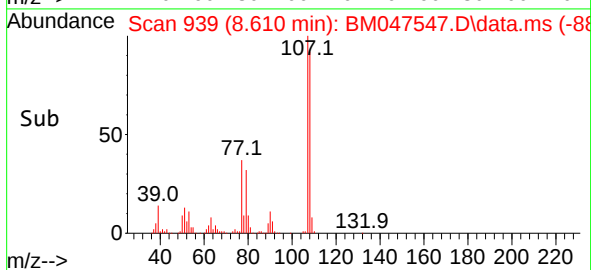
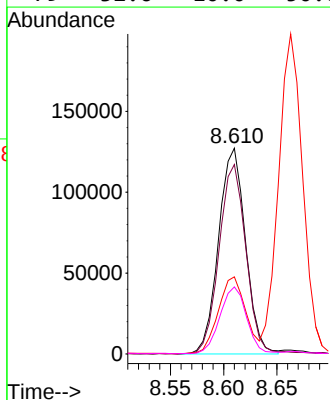
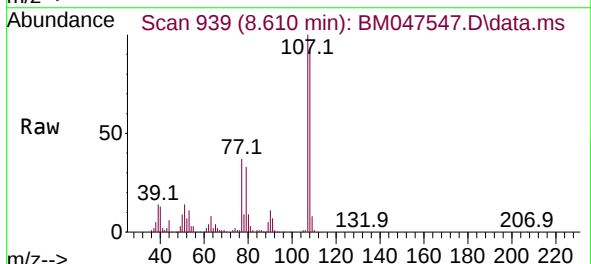
Manual Integrations
APPROVED

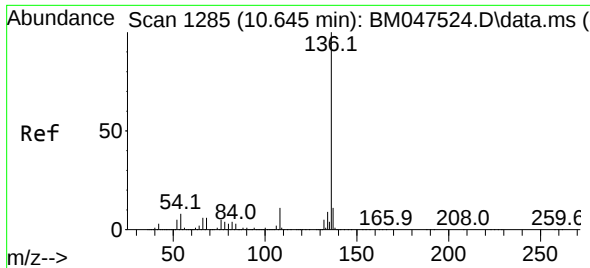
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#20
3+4-Methylphenols
Concen: 7.735 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

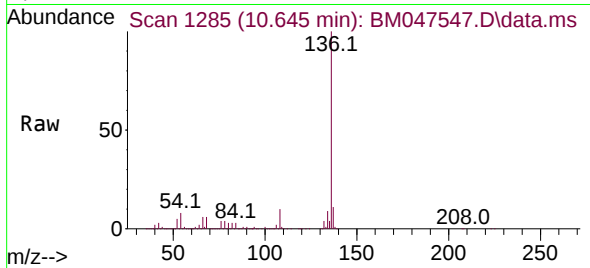
Tgt Ion:107 Resp: 223780
Ion Ratio Lower Upper
107 100
108 92.1 68.9 108.9
77 37.5 15.5 55.5
79 32.6 10.0 50.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

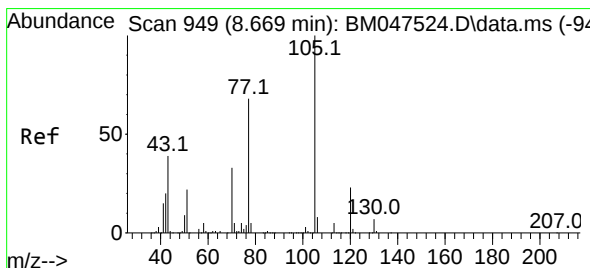
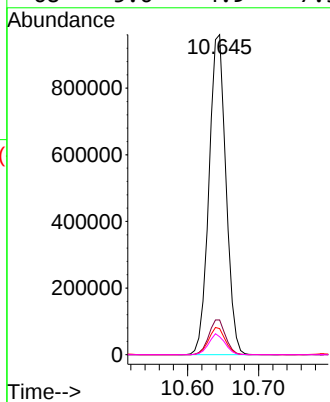
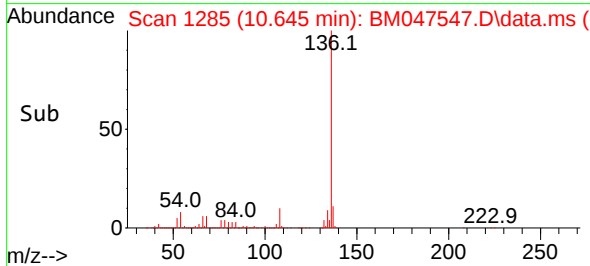
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:136 Resp: 158943
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 8.1 6.6 9.8
68 5.6 4.9 7.3

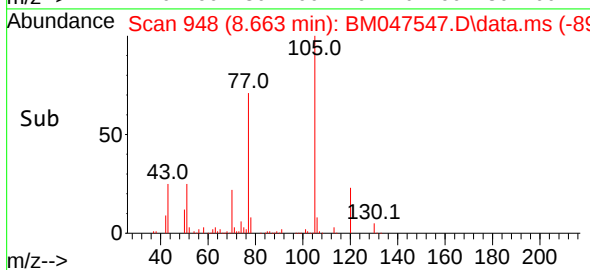
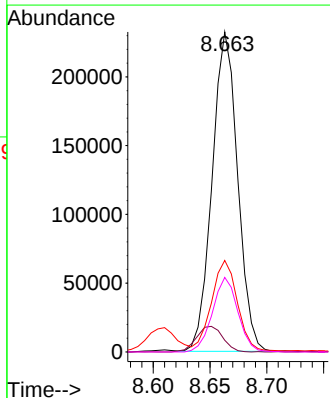
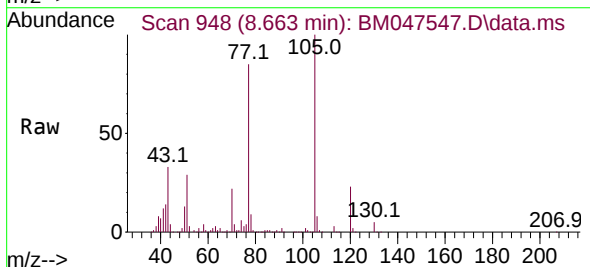
Manual Integrations
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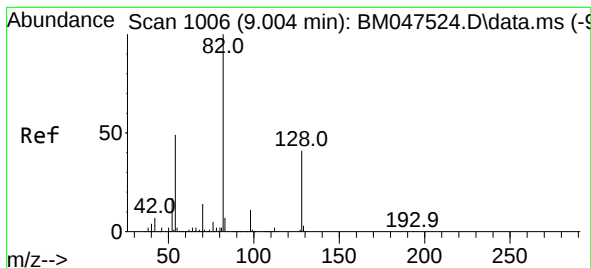
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#22
Acetophenone
Concen: 8.673 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

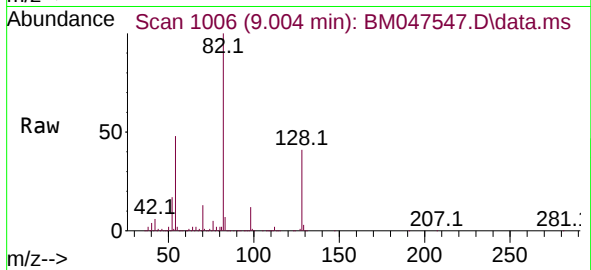
Tgt Ion:105 Resp: 362435
Ion Ratio Lower Upper
105 100
71 3.6 4.3 6.5#
51 28.6 21.5 32.3
120 23.3 18.6 28.0





#23
Nitrobenzene-d5
Concen: 104.716 ng
RT: 9.004 min Scan# 1006
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

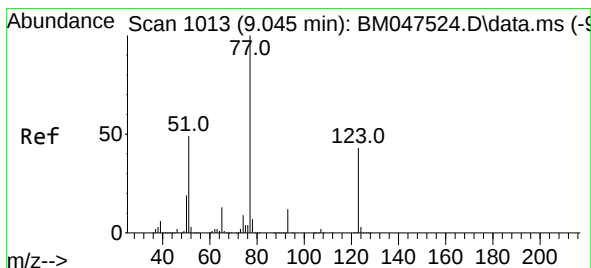
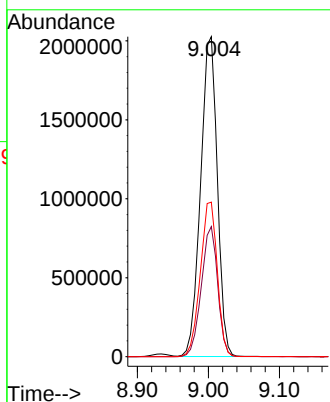
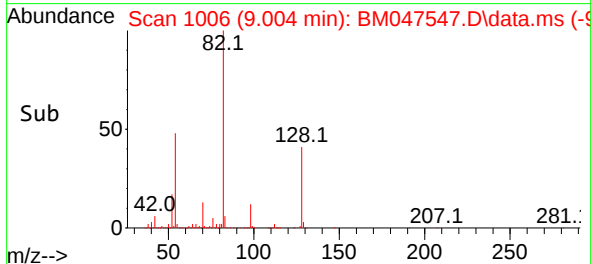
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 82 Resp: 332573
Ion Ratio Lower Upper
82 100
128 40.6 33.0 49.4
54 48.3 39.3 58.9

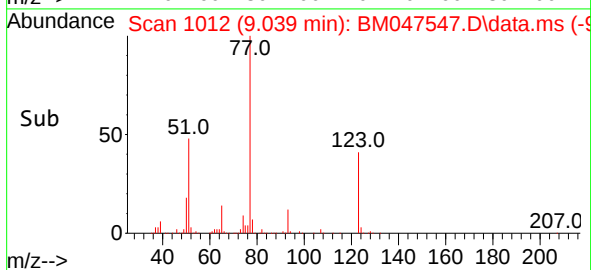
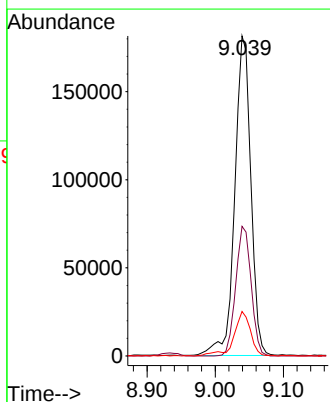
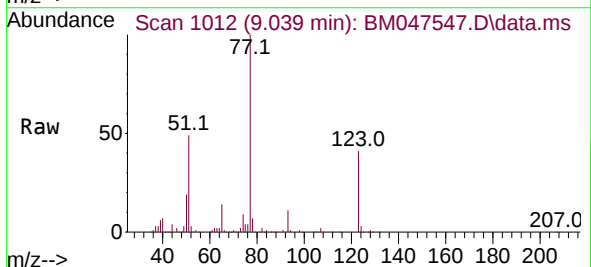
Manual Integrations
APPROVED

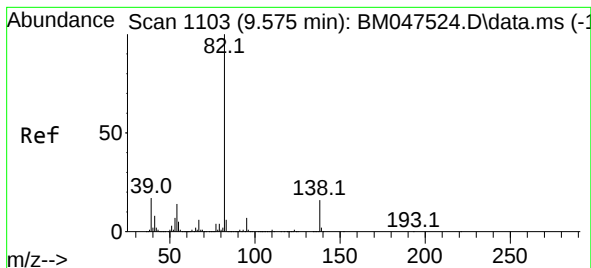
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#24
Nitrobenzene
Concen: 9.134 ng
RT: 9.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion: 77 Resp: 298085
Ion Ratio Lower Upper
77 100
123 40.5 34.5 51.7
65 13.9 10.7 16.1





#25

Isophorone

Concen: 8.887 ng

RT: 9.569 min Scan# 1102

Delta R.T. -0.006 min

Lab File: BM047547.D

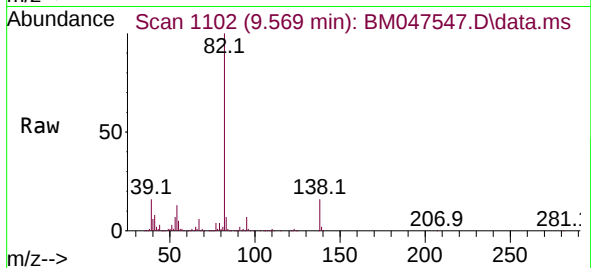
Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



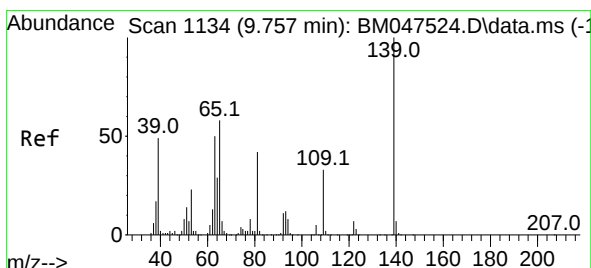
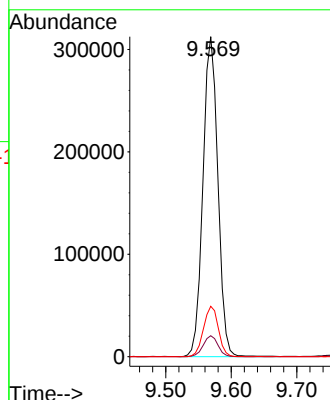
Tgt Ion: 82 Resp: 49618

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.0
138	15.7	12.9	19.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#26

2-Nitrophenol

Concen: 7.440 ng

RT: 9.751 min Scan# 1133

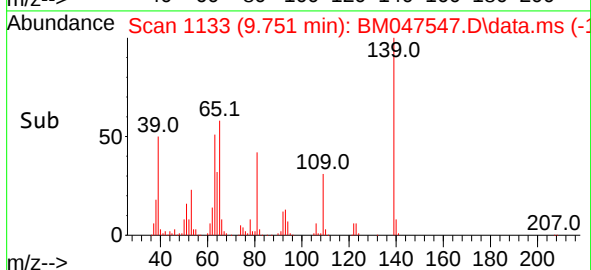
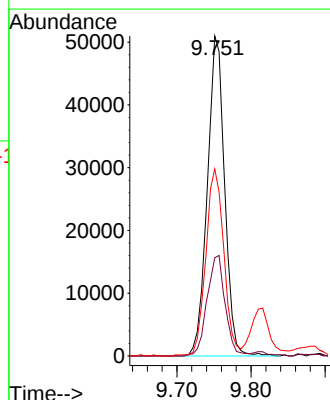
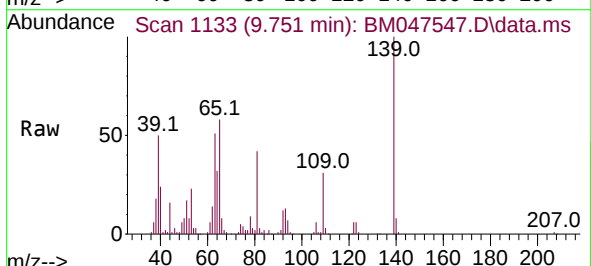
Delta R.T. -0.006 min

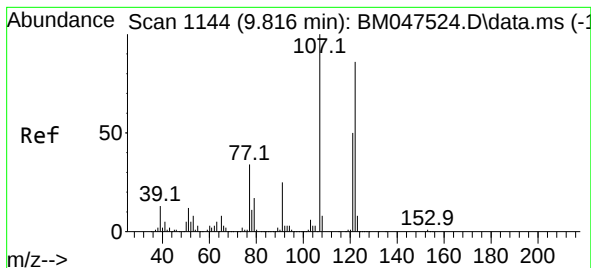
Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Tgt Ion:139 Resp: 82743

Ion	Ratio	Lower	Upper
139	100		
109	30.7	26.0	39.0
65	58.4	46.2	69.4





#27

2,4-Dimethylphenol

Concen: 6.145 ng

RT: 9.810 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BM047547.D

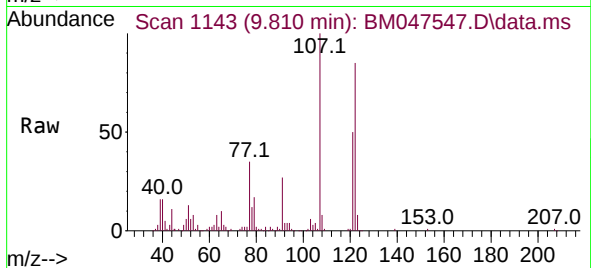
Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

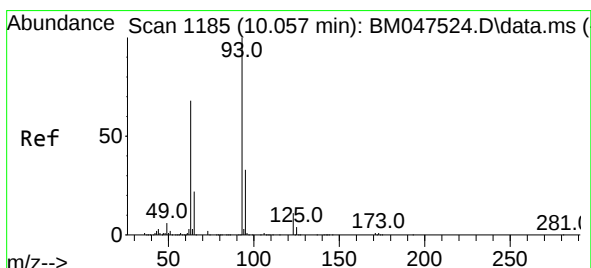
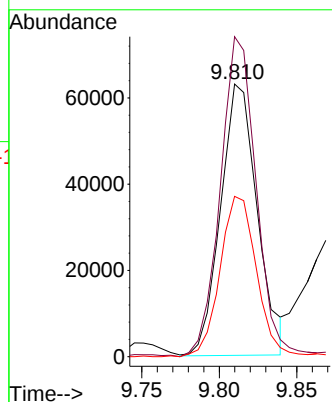
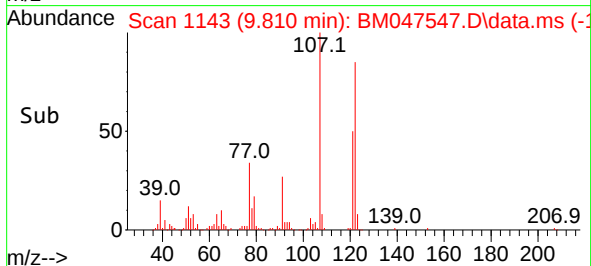


Tgt Ion:	122	Resp:	103590
Ion Ratio	Lower	Upper	
122	100		
107	117.4	92.4	138.6
121	58.8	46.2	69.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#28

bis(2-Chloroethoxy)methane

Concen: 8.702 ng

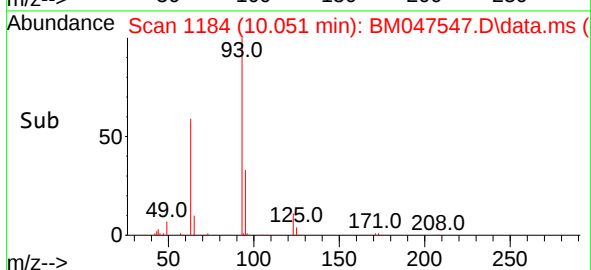
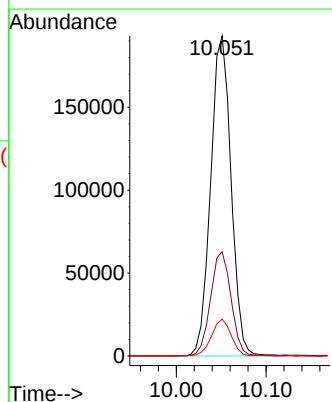
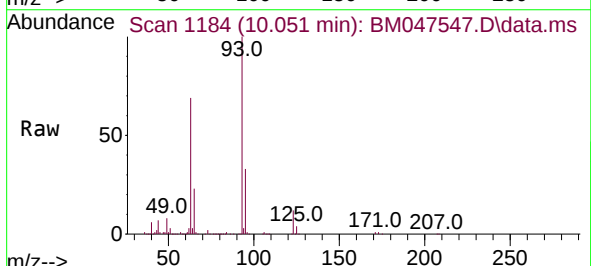
RT: 10.051 min Scan# 1184

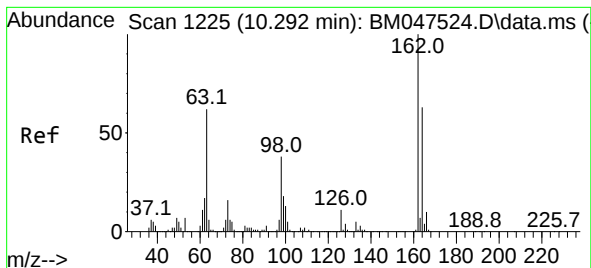
Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Tgt Ion:	93	Resp:	305187
Ion Ratio	Lower	Upper	
93	100		
95	32.6	26.2	39.2
123	11.5	9.2	13.8





#29

2,4-Dichlorophenol

Concen: 7.746 ng

RT: 10.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

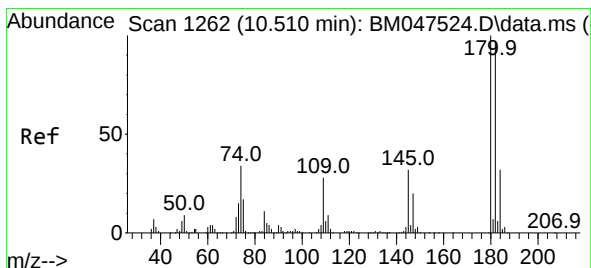
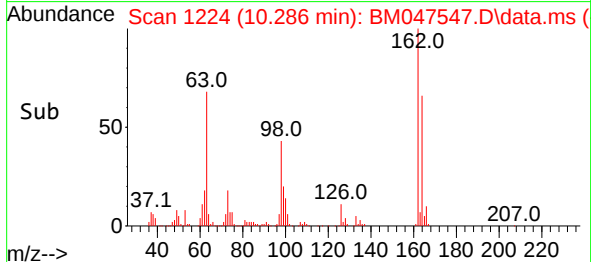
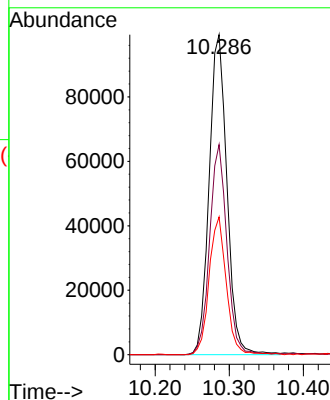
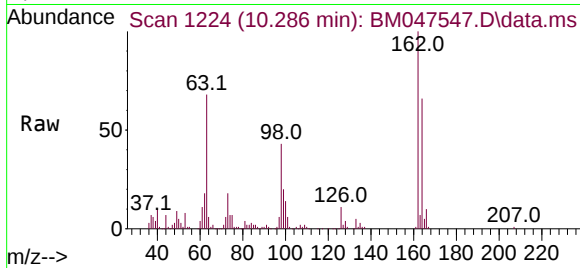
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:162	Resp: 165910
Ion Ratio	Lower Upper
162 100	
164 65.7	43.5 83.5
98 43.0	17.6 57.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#30

1,2,4-Trichlorobenzene

Concen: 7.947 ng

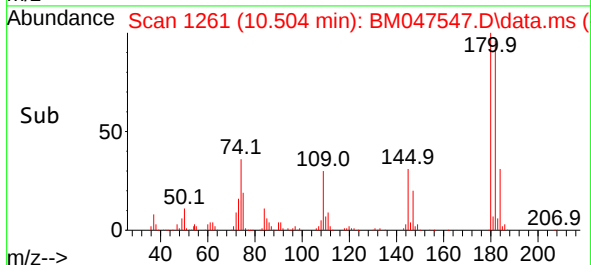
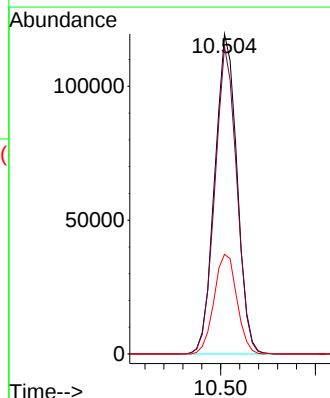
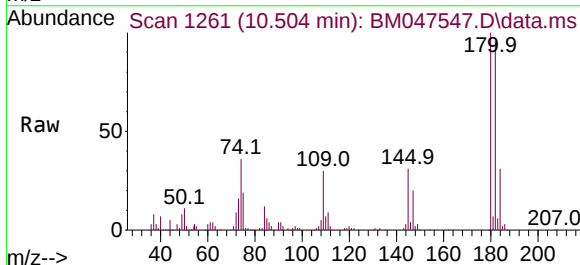
RT: 10.504 min Scan# 1261

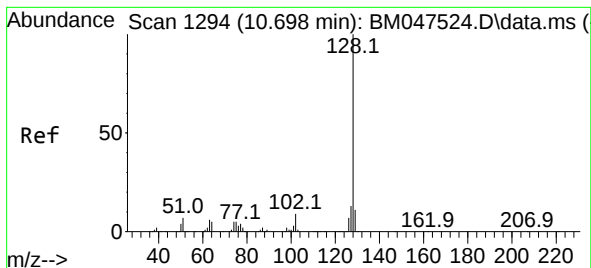
Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

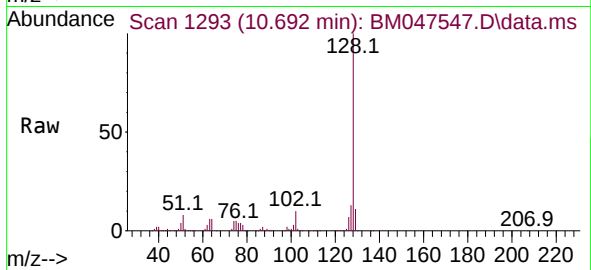
Tgt Ion:180	Resp: 194957
Ion Ratio	Lower Upper
180 100	
182 96.1	77.6 116.4
145 31.2	25.4 38.0





#31
Naphthalene
Concen: 8.134 ng
RT: 10.692 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

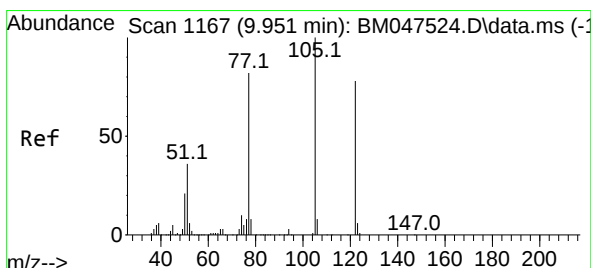
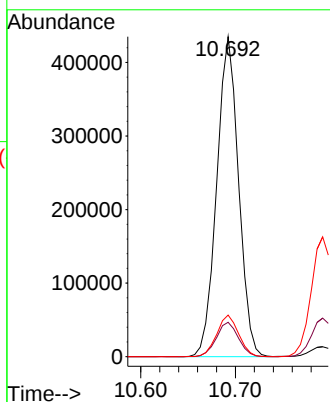
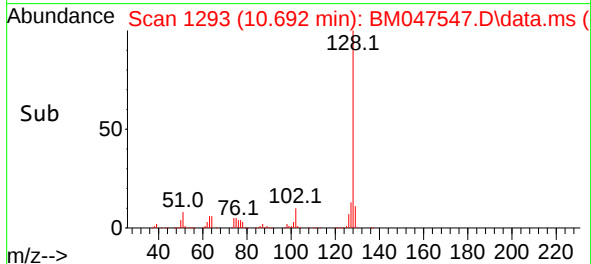
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:128 Resp: 698230
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 13.0 10.5 15.7

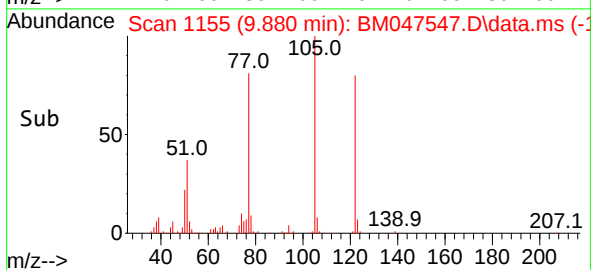
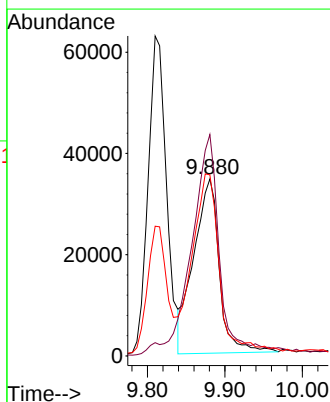
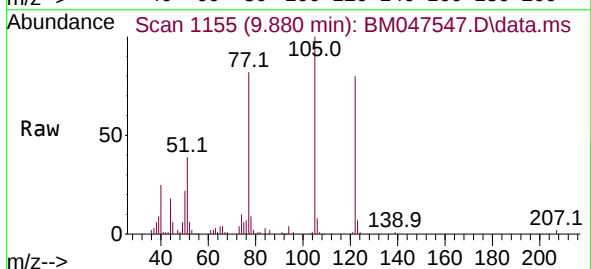
Manual Integrations
APPROVED

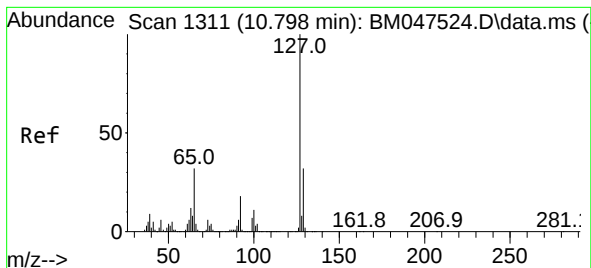
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#32
Benzoic acid
Concen: 10.803 ng
RT: 9.880 min Scan# 1155
Delta R.T. -0.071 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

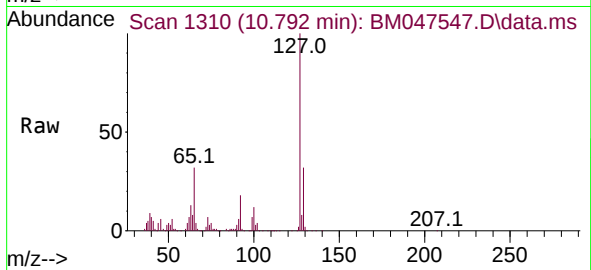
Tgt Ion:122 Resp: 79264
Ion Ratio Lower Upper
122 100
105 125.1 104.7 144.7
77 102.4 83.4 123.4





#33
4-Chloroaniline
Concen: 8.861 ng
RT: 10.792 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

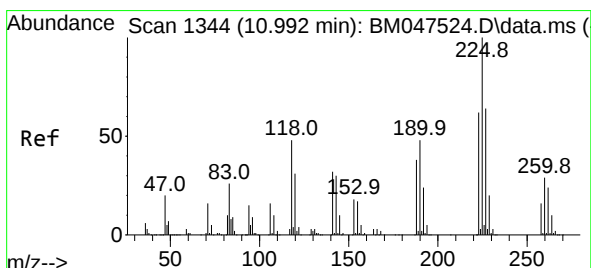
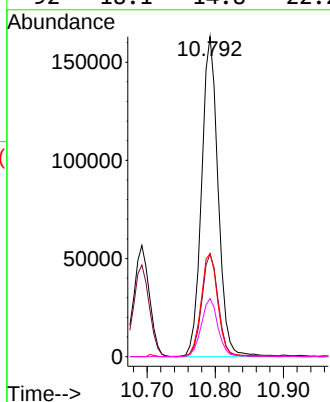
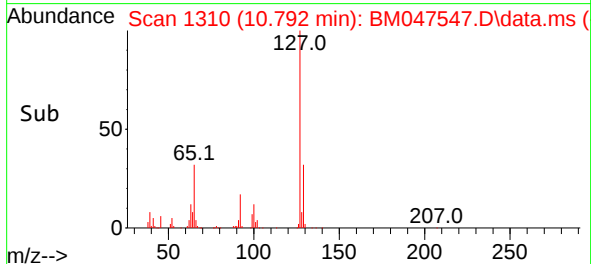
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



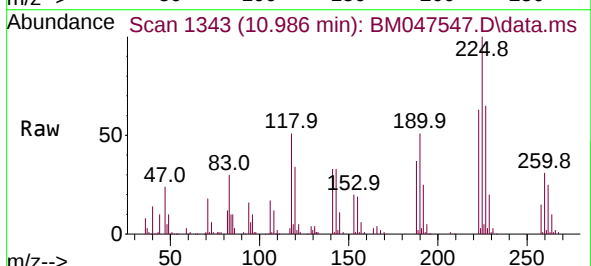
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.4	38.0
65	32.2	25.5	38.3
92	18.1	14.8	22.2

Manual Integrations
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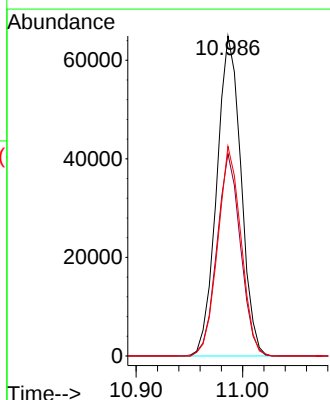
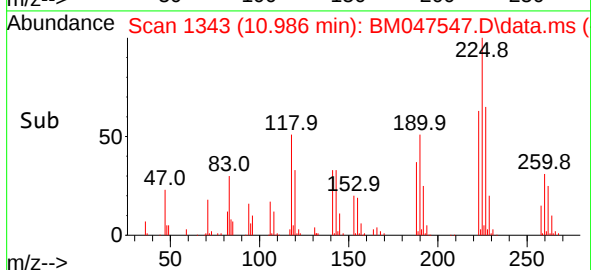
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

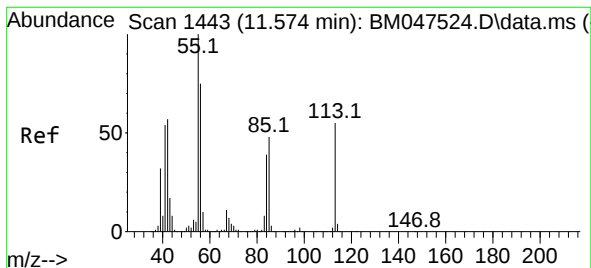


#34
Hexachlorobutadiene
Concen: 7.558 ng
RT: 10.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07



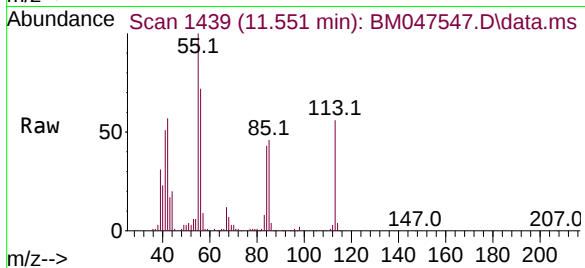
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.8	74.6
227	65.5	51.0	76.4





#35
 Caprolactam
 Concen: 7.964 ng
 RT: 11.551 min Scan# 1443
 Delta R.T. -0.024 min
 Lab File: BM047547.D
 Acq: 17 Sep 2024 17:07

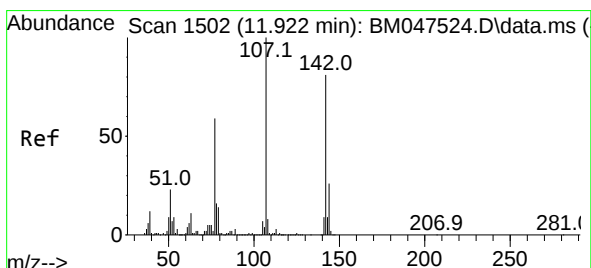
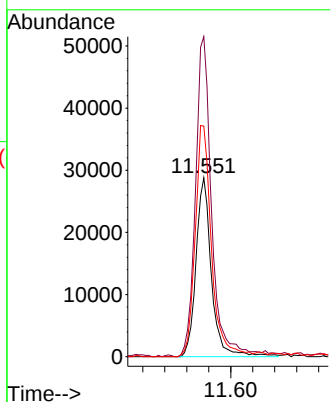
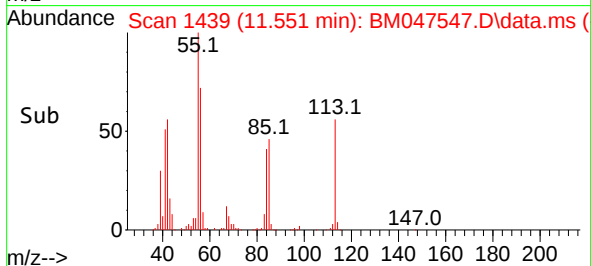
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024



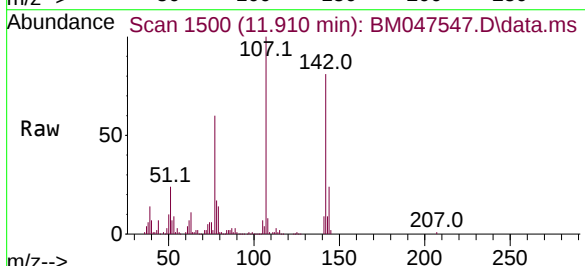
Tgt Ion:113 Resp: 56184
 Ion Ratio Lower Upper
 113 100
 55 179.0 162.5 202.5
 56 129.0 116.5 156.5

Manual Integrations
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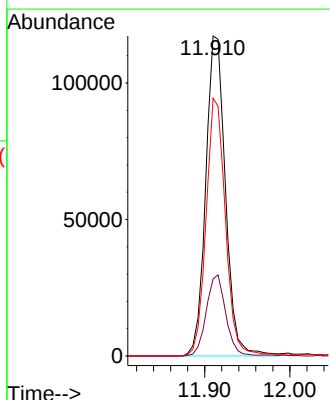
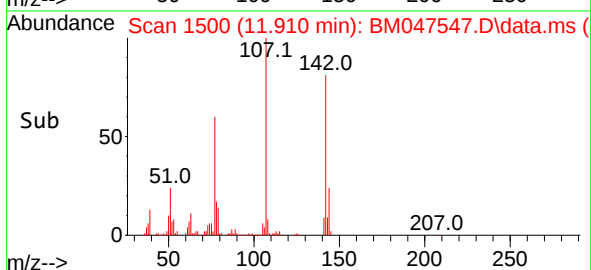
Reviewed By :Jagrut Upadhyay 09/18/2024
 Supervised By :mohammad ahmed 09/19/2024

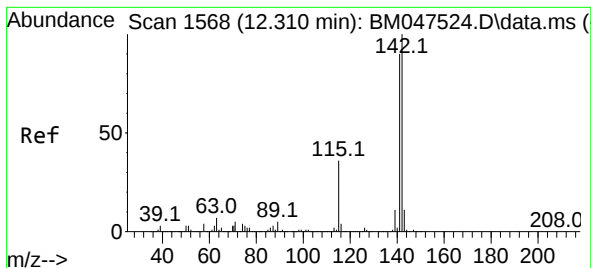


#36
 4-Chloro-3-methylphenol
 Concen: 7.702 ng
 RT: 11.910 min Scan# 1500
 Delta R.T. -0.012 min
 Lab File: BM047547.D
 Acq: 17 Sep 2024 17:07



Tgt Ion:107 Resp: 189048
 Ion Ratio Lower Upper
 107 100
 144 24.1 20.5 30.7
 142 80.5 65.0 97.4





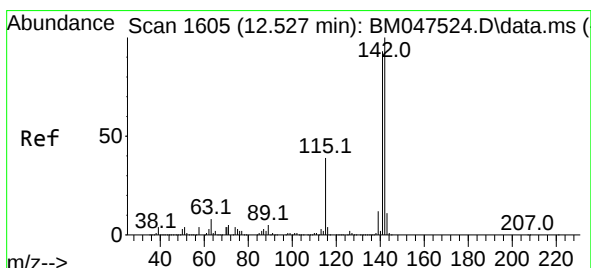
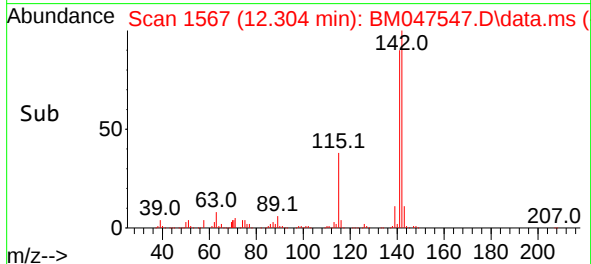
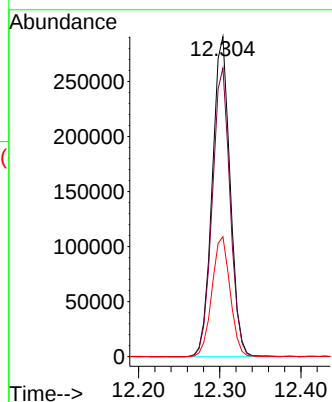
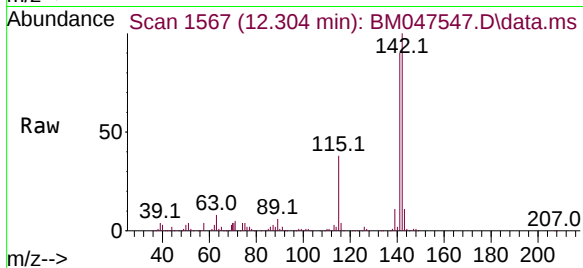
#37
2-Methylnaphthalene
Concen: 7.762 ng
RT: 12.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:142 Resp: 44343
Ion Ratio Lower Upper
142 100
141 90.2 72.2 108.4
115 37.5 29.1 43.7

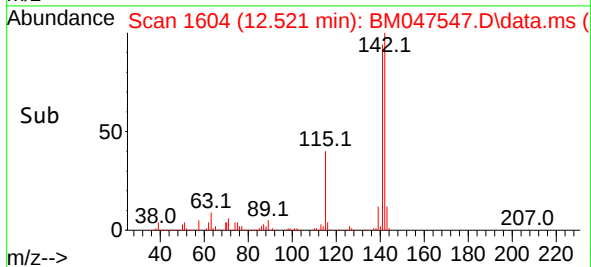
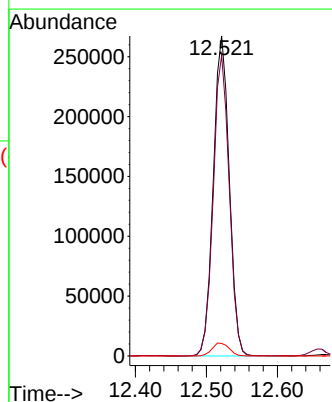
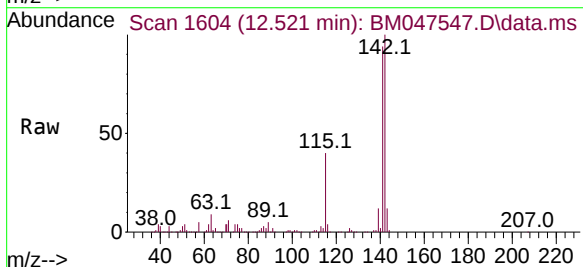
Manual Integrations
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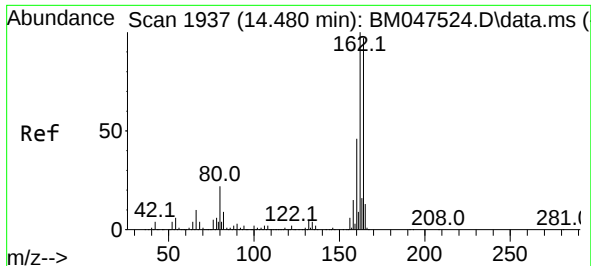
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#38
1-Methylnaphthalene
Concen: 7.339 ng
RT: 12.521 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

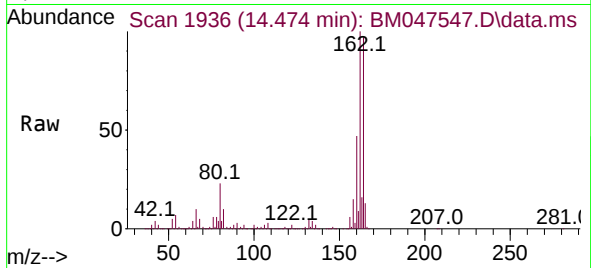
Tgt Ion:142 Resp: 416659
Ion Ratio Lower Upper
142 100
141 93.9 74.7 112.1
116 3.9 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

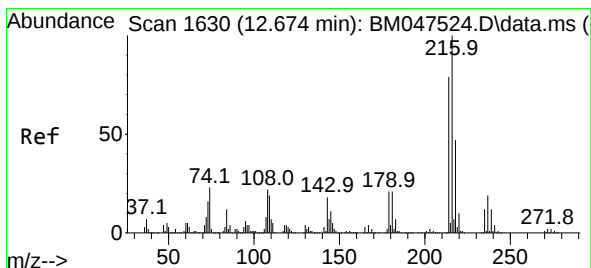
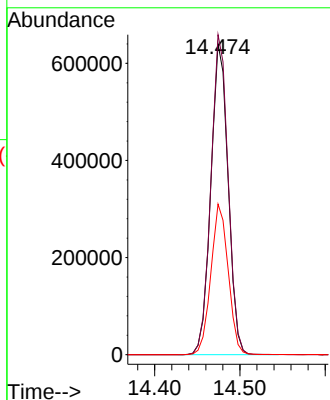
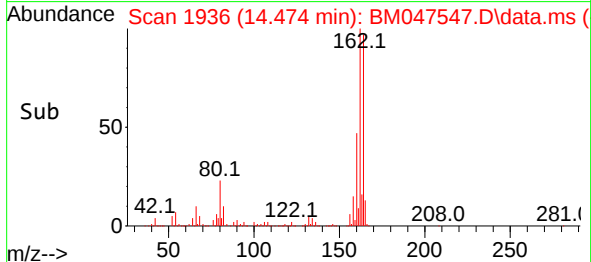
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



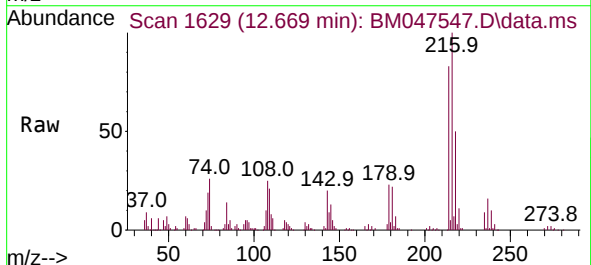
Tgt Ion:164 Resp: 901805
Ion Ratio Lower Upper
164 100
162 102.9 82.2 123.2
160 48.4 38.2 57.2

Manual Integrations
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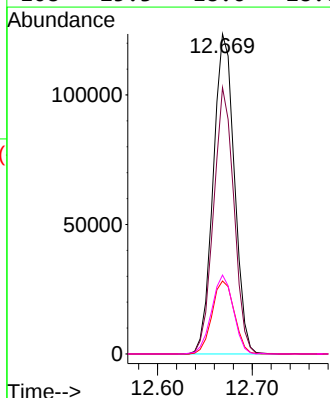
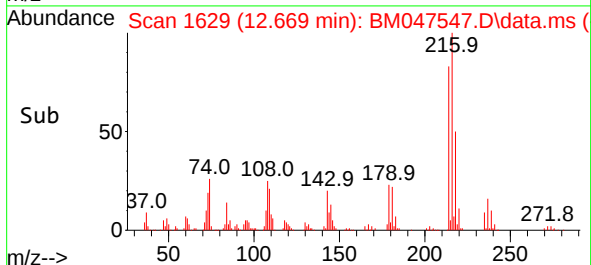
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

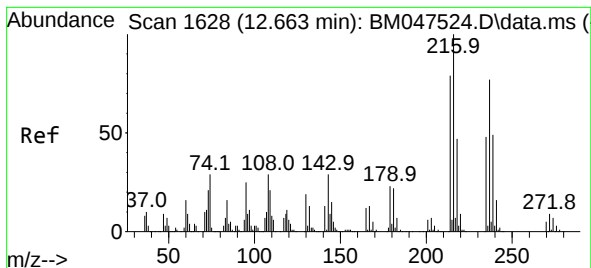


#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.866 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07



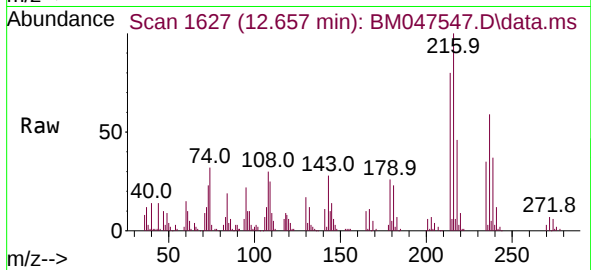
Tgt Ion:216 Resp: 191955
Ion Ratio Lower Upper
216 100
214 79.9 63.0 94.6
179 23.9 17.5 26.3
108 25.3 18.6 28.0





#41
Hexachlorocyclopentadiene
Concen: 5.921 ng
RT: 12.657 min Scan# 1627
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

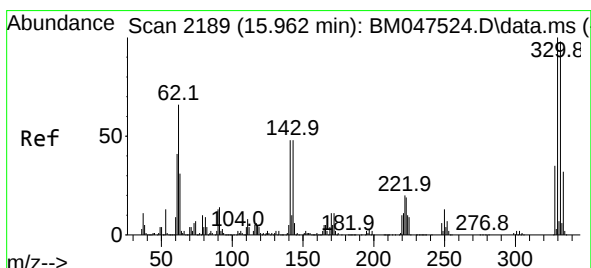
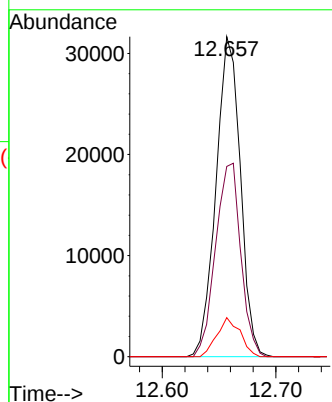
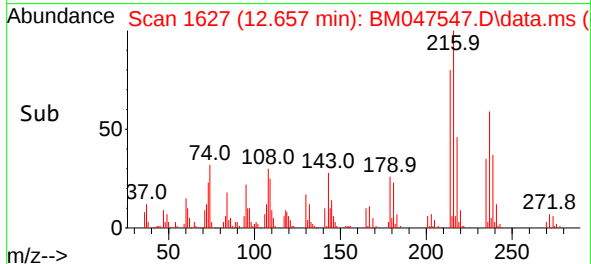
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



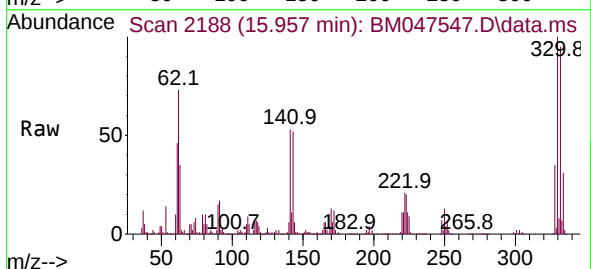
Tgt Ion:237 Resp: 47230
Ion Ratio Lower Upper
237 100
235 59.5 42.0 82.0
272 12.2 0.0 31.5

Manual Integrations
APPROVED

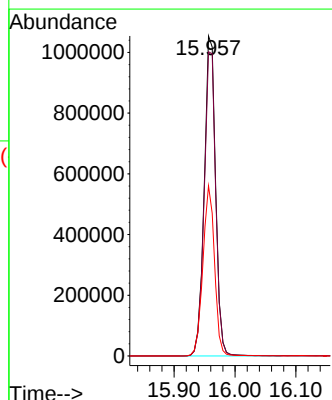
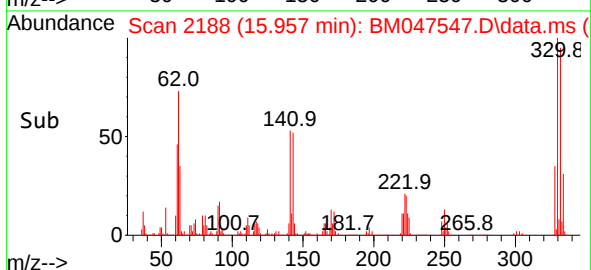
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

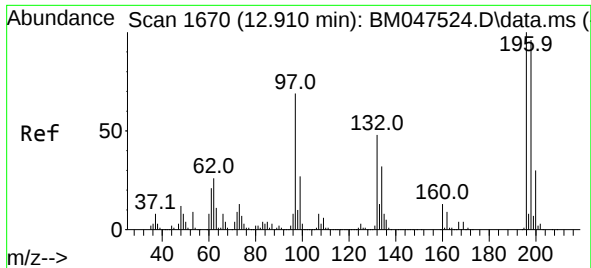


#42
2,4,6-Tribromophenol
Concen: 157.704 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07



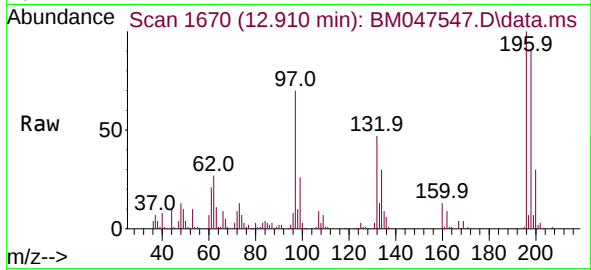
Tgt Ion:330 Resp: 1374665
Ion Ratio Lower Upper
330 100
332 96.5 76.9 115.3
141 54.4 42.2 63.2





#43
2,4,6-Trichlorophenol
Concen: 7.371 ng
RT: 12.910 min Scan# 11268
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

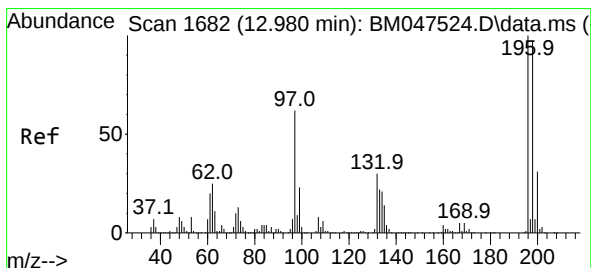
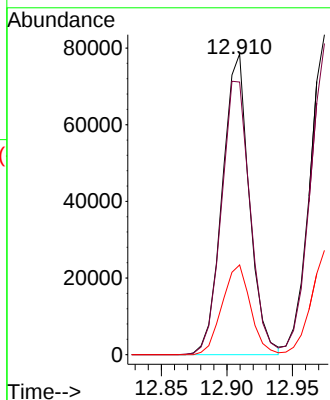
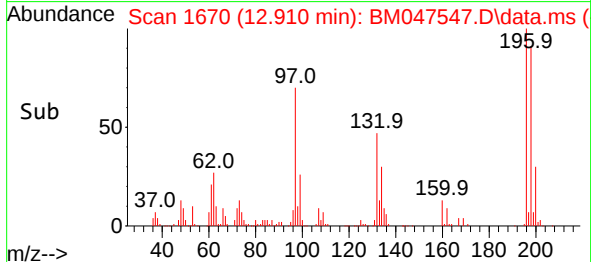
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



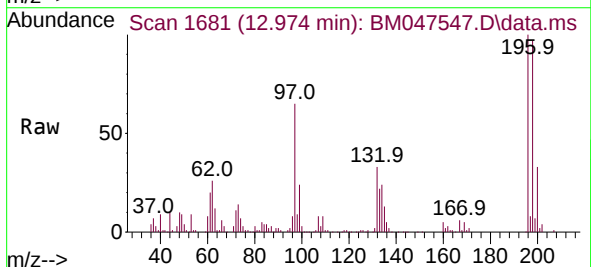
Tgt Ion:196 Resp: 11268
Ion Ratio Lower Upper
196 100
198 90.7 76.9 115.3
200 29.8 24.3 36.5

Manual Integrations
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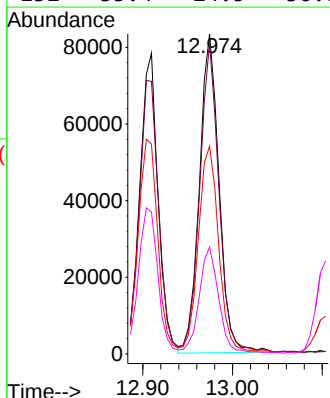
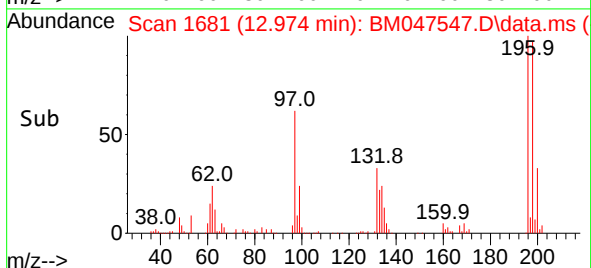
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

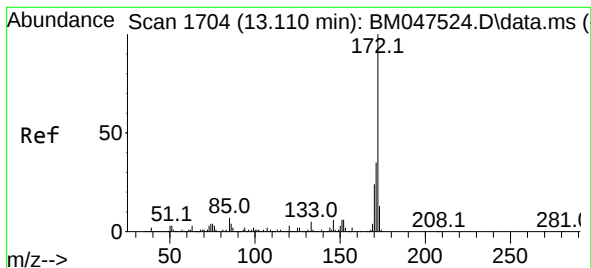


#44
2,4,5-Trichlorophenol
Concen: 7.331 ng
RT: 12.974 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07



Tgt Ion:196 Resp: 126595
Ion Ratio Lower Upper
196 100
198 97.3 77.4 116.2
97 64.9 49.8 74.8
132 33.4 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 104.447 ng

RT: 13.104 min Scan# 1703

Delta R.T. -0.006 min

Lab File: BM047547.D

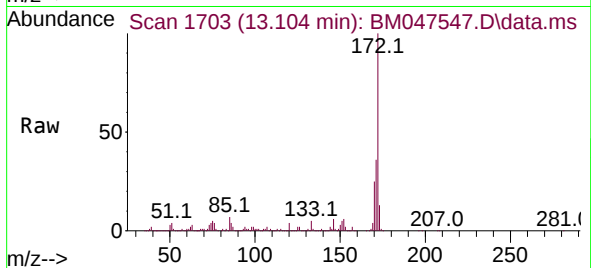
Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:172 Resp: 683772

Ion Ratio Lower Upper

172 100

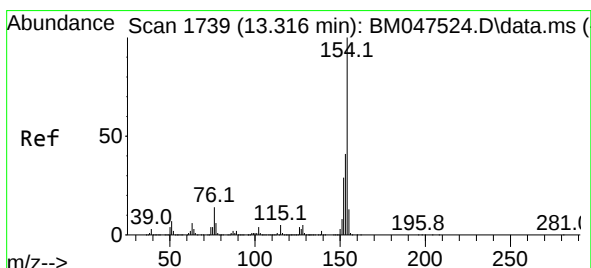
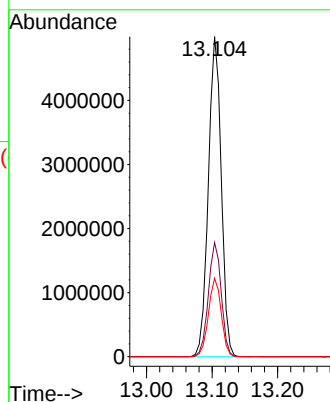
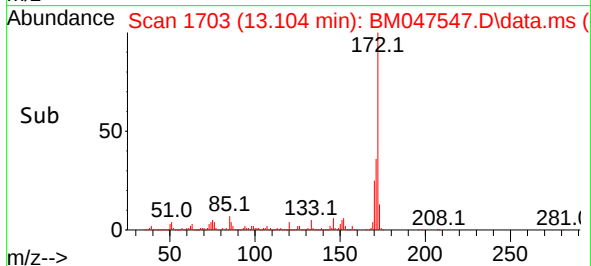
171 35.7 28.2 42.2

170 24.5 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#46

1,1'-Biphenyl

Concen: 8.492 ng

RT: 13.310 min Scan# 1738

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

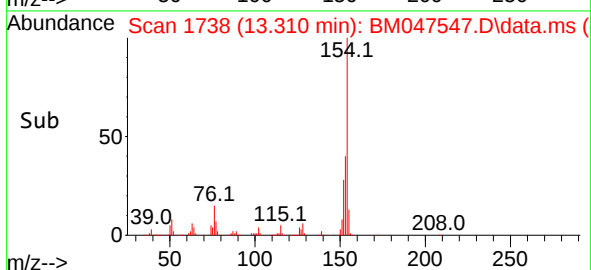
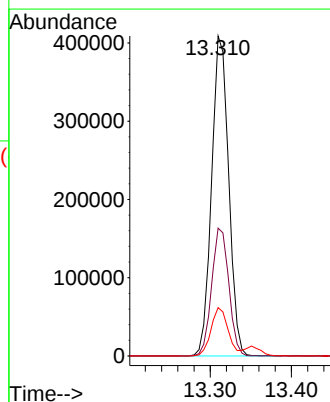
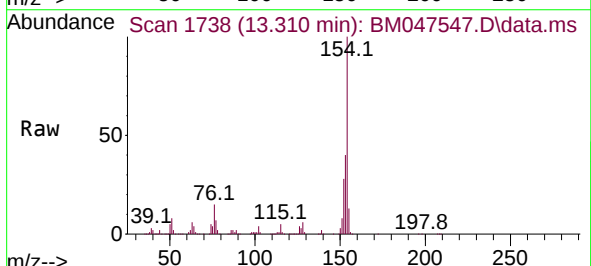
Tgt Ion:154 Resp: 595812

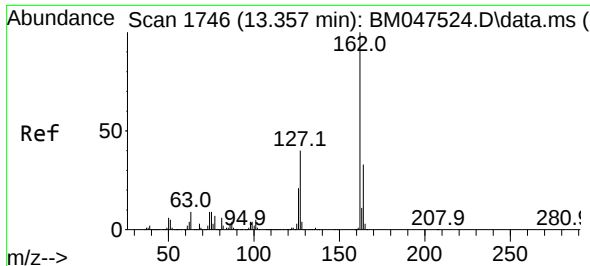
Ion Ratio Lower Upper

154 100

153 40.0 20.6 60.6

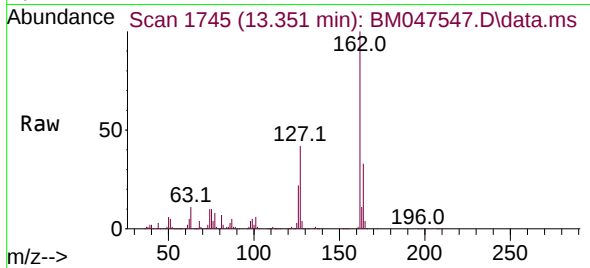
76 15.1 0.0 33.9





#47
2-Chloronaphthalene
Concen: 7.961 ng
RT: 13.351 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

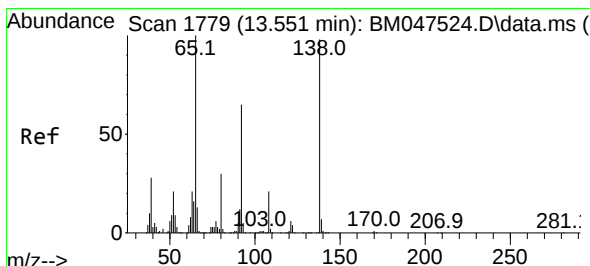
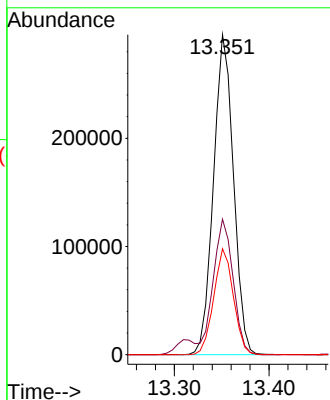
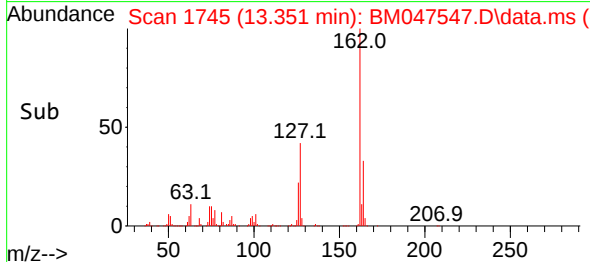
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



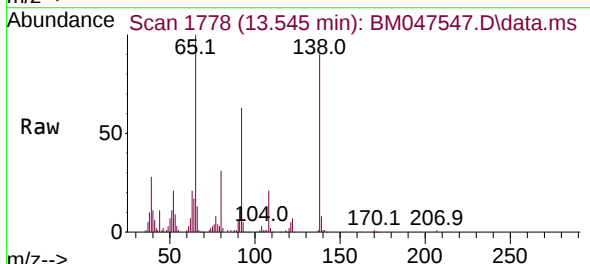
Tgt Ion:162 Resp: 433719
Ion Ratio Lower Upper
162 100
127 42.3 32.2 48.4
164 33.1 26.3 39.5

Manual Integrations
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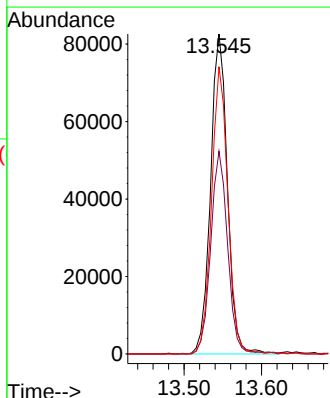
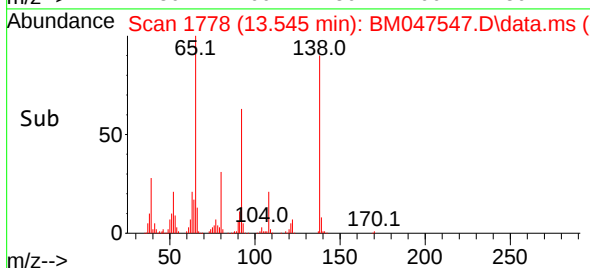
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

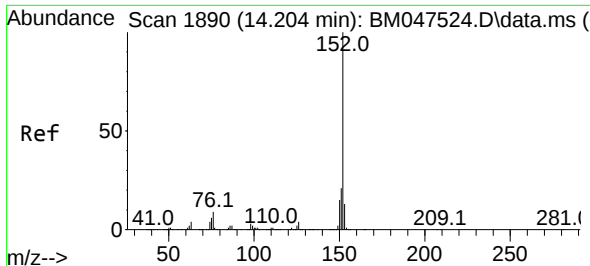


#48
2-Nitroaniline
Concen: 7.792 ng
RT: 13.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07



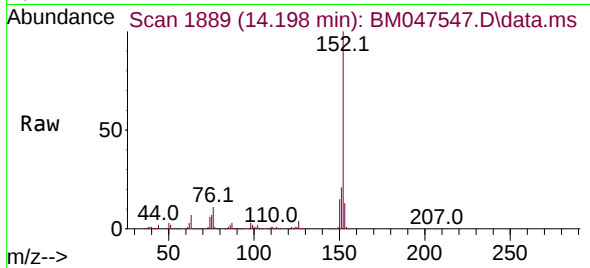
Tgt Ion: 65 Resp: 124687
Ion Ratio Lower Upper
65 100
92 63.3 51.9 77.9
138 89.7 78.5 117.7





#49
Acenaphthylene
Concen: 8.697 ng
RT: 14.198 min Scan# 1889
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

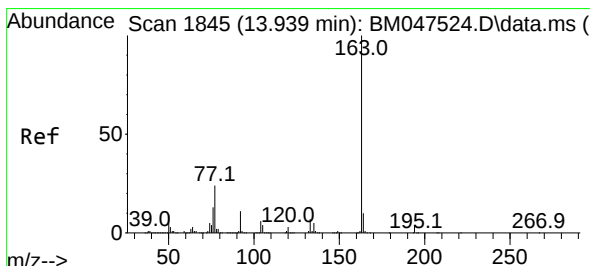
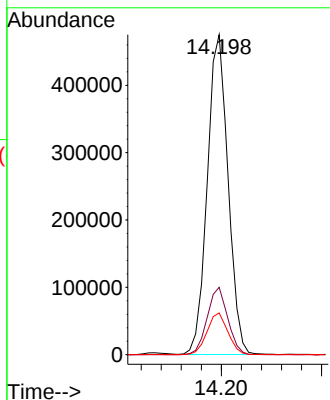
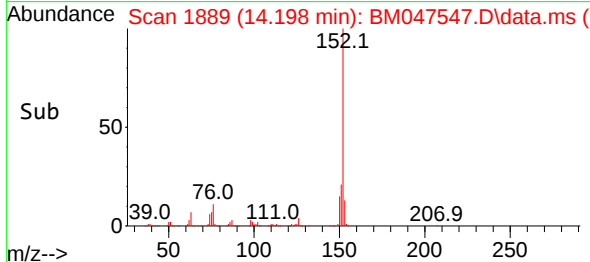
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:152 Resp: 68380
Ion Ratio Lower Upper
152 100
151 21.0 16.5 24.7
153 13.0 10.4 15.6

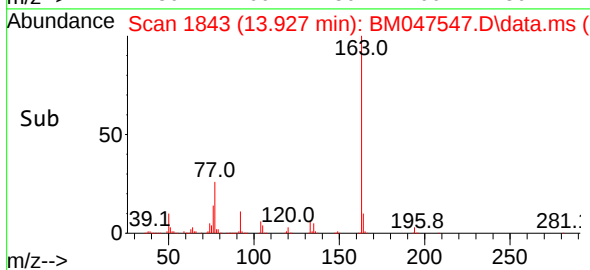
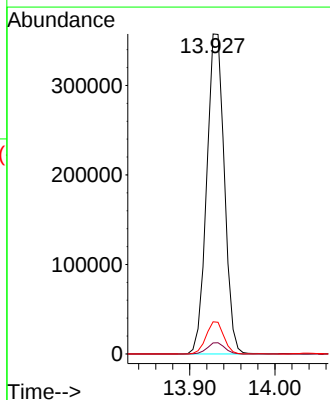
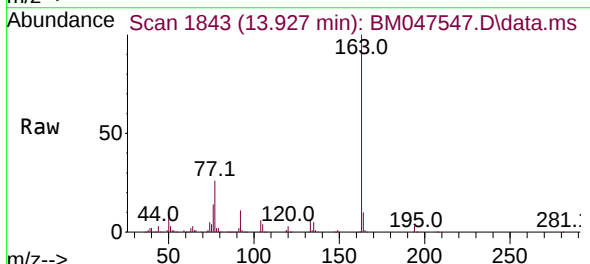
Manual Integrations
APPROVED

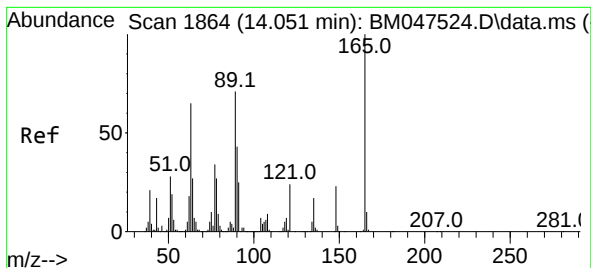
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#50
Dimethylphthalate
Concen: 8.367 ng
RT: 13.927 min Scan# 1843
Delta R.T. -0.012 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

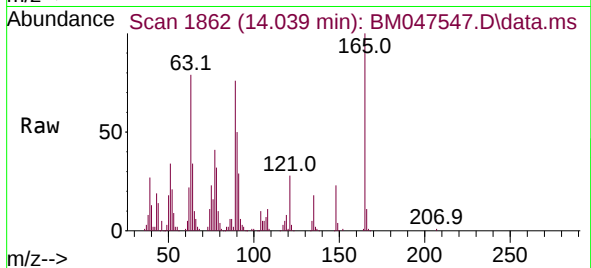
Tgt Ion:163 Resp: 514266
Ion Ratio Lower Upper
163 100
194 3.5 2.9 4.3
164 10.1 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 7.678 ng
RT: 14.039 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

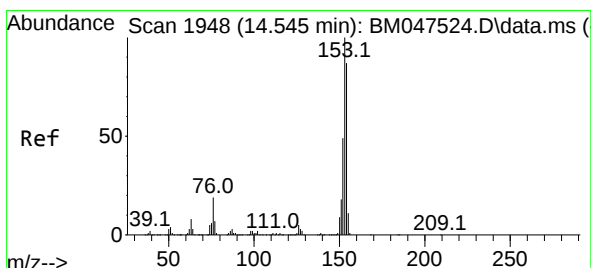
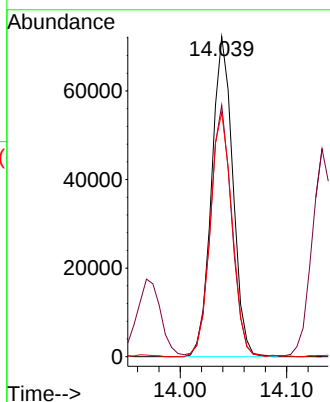
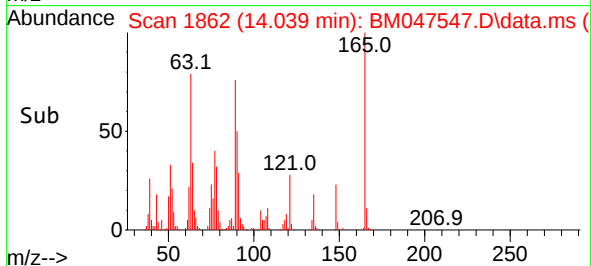
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:165 Resp: 9962
Ion Ratio Lower Upper
165 100
63 78.6 54.2 81.2
89 76.4 56.4 84.6

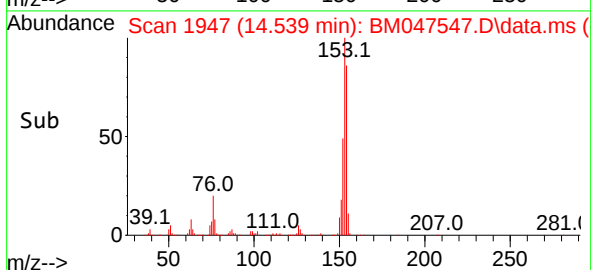
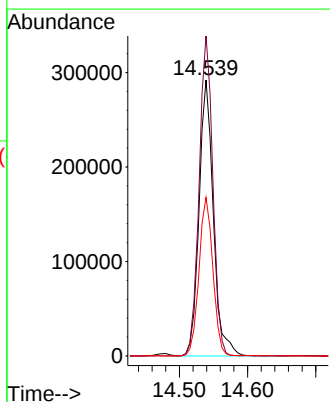
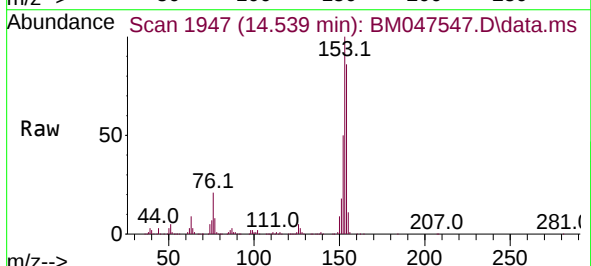
Manual Integrations
APPROVED

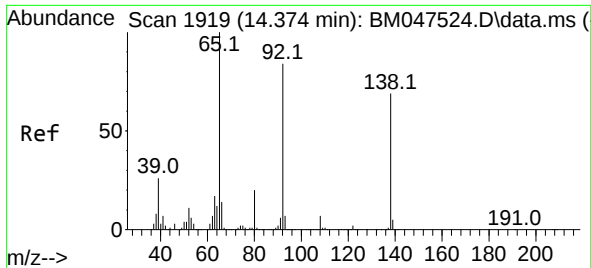
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#52
Acenaphthene
Concen: 7.717 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:154 Resp: 425122
Ion Ratio Lower Upper
154 100
153 115.9 92.2 138.2
152 57.5 45.4 68.0





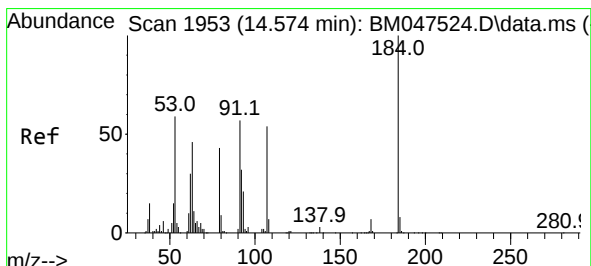
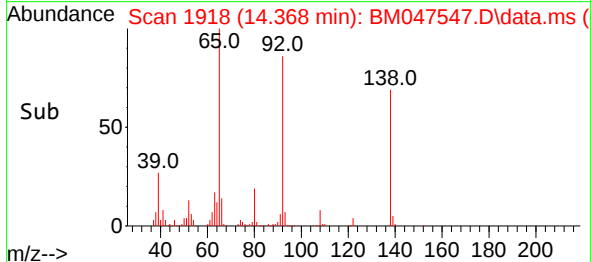
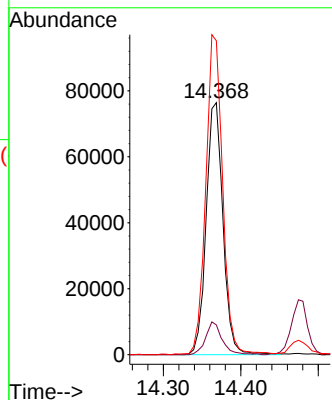
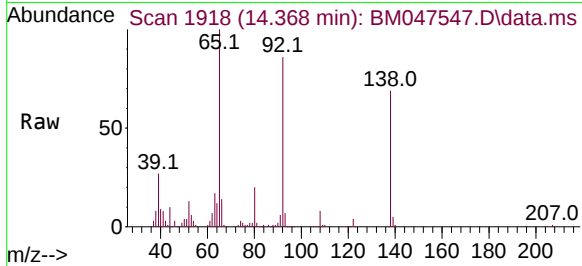
#53
3-Nitroaniline
Concen: 7.981 ng
RT: 14.368 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:138 Resp: 115109
Ion Ratio Lower Upper
138 100
108 11.8 8.0 12.0
92 124.6 97.4 146.0

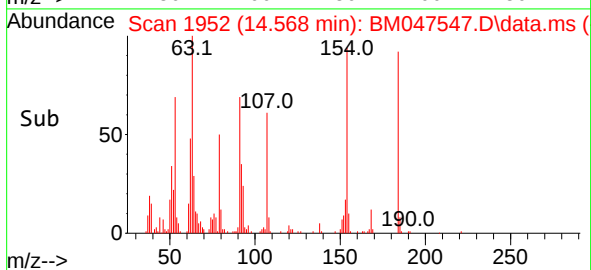
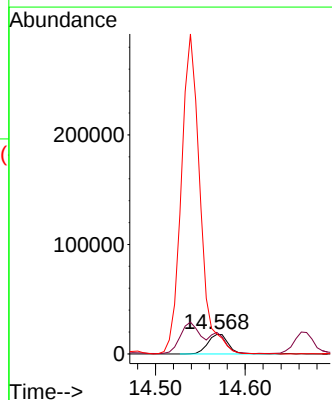
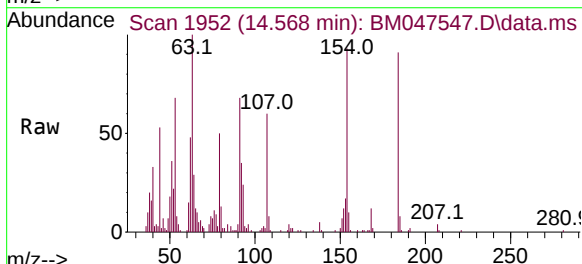
Manual Integrations
APPROVED

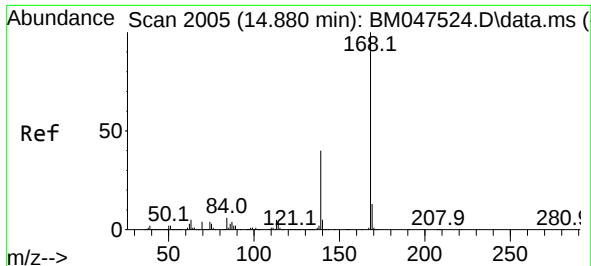
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#54
2,4-Dinitrophenol
Concen: 8.365 ng
RT: 14.568 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

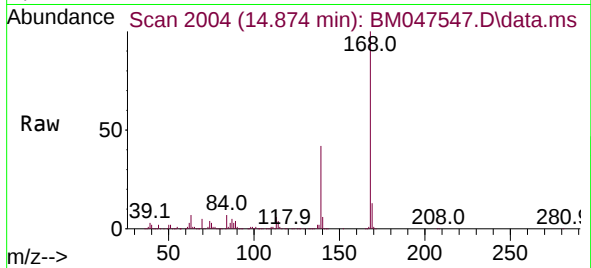
Tgt Ion:184 Resp: 28320
Ion Ratio Lower Upper
184 100
63 110.3 69.4 104.0#
154 102.5 60.4 90.6#





#55
Dibenzenofuran
Concen: 8.201 ng
RT: 14.874 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

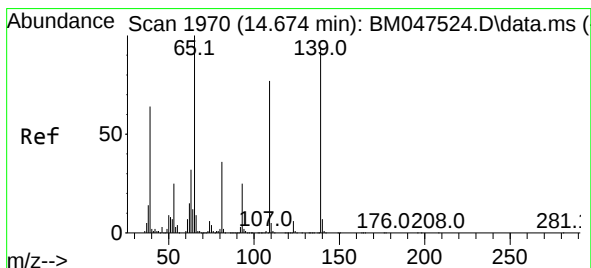
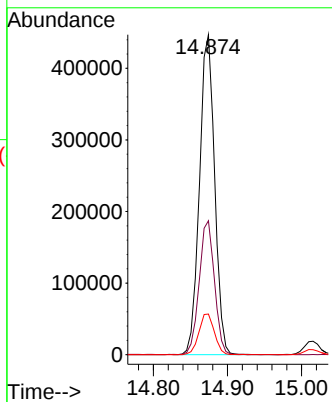
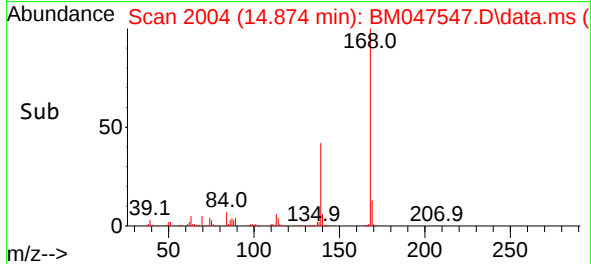
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:168 Resp: 63484
Ion Ratio Lower Upper
168 100
139 41.9 31.9 47.9
169 12.7 10.5 15.7

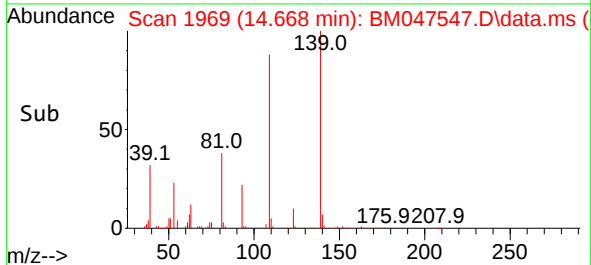
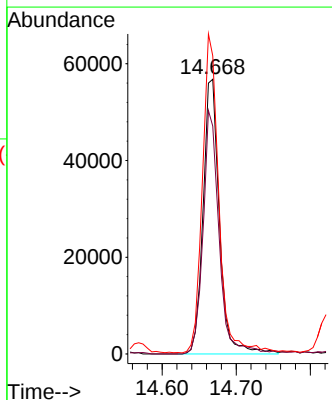
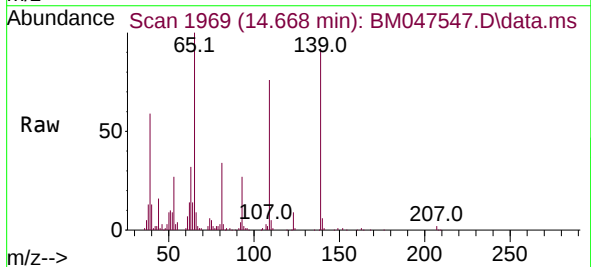
Manual Integrations
APPROVED

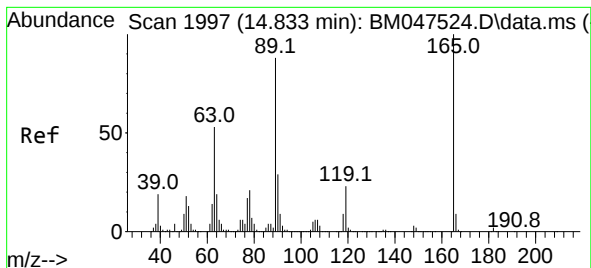
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#56
4-Nitrophenol
Concen: 7.347 ng
RT: 14.668 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

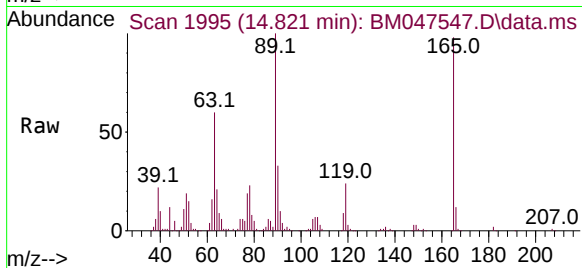
Tgt Ion:139 Resp: 87195
Ion Ratio Lower Upper
139 100
109 82.9 62.0 102.0
65 108.5 87.0 127.0





#57
2,4-Dinitrotoluene
Concen: 7.119 ng
RT: 14.821 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

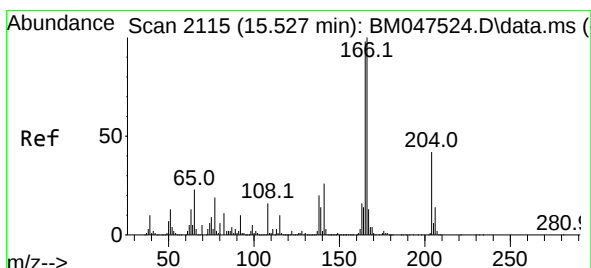
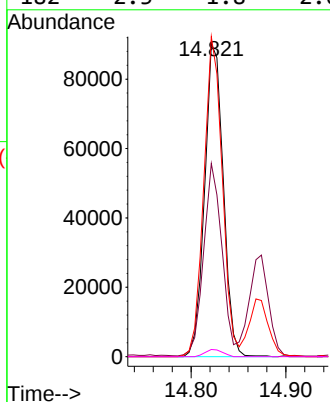
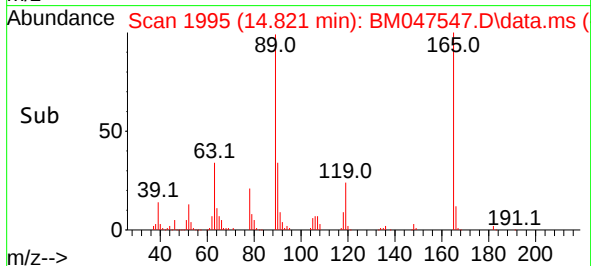
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



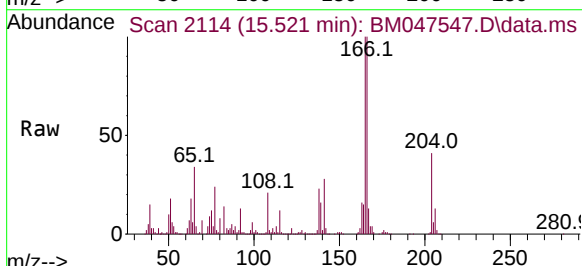
Tgt Ion:165 Resp: 123204
Ion Ratio Lower Upper
165 100
63 61.6 42.4 63.6
89 102.2 70.5 105.7
182 2.3 1.8 2.6

Manual Integrations
APPROVED

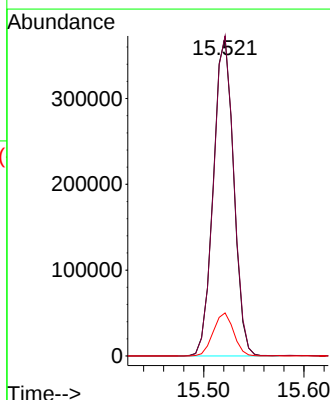
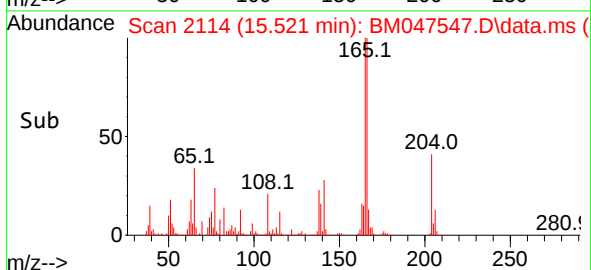
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

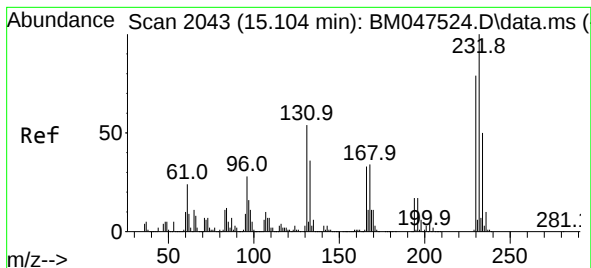


#58
Fluorene
Concen: 7.485 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07



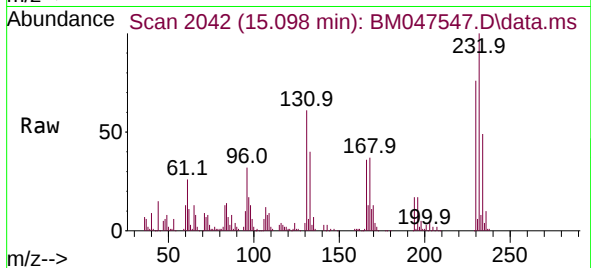
Tgt Ion:166 Resp: 521693
Ion Ratio Lower Upper
166 100
165 100.5 78.6 117.8
167 13.5 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.414 ng
RT: 15.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

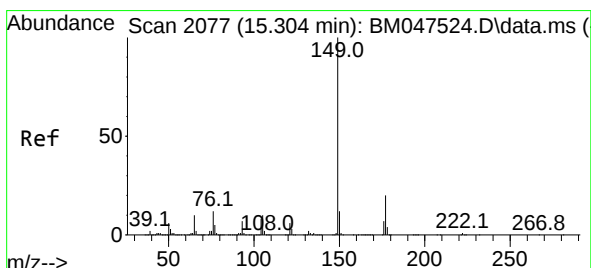
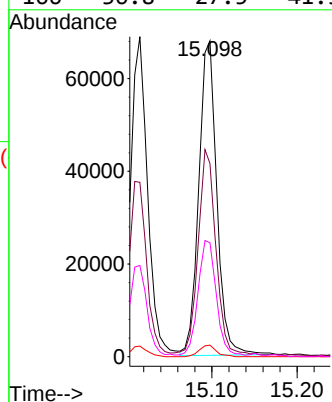
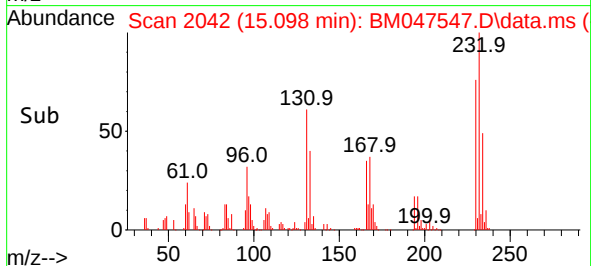
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



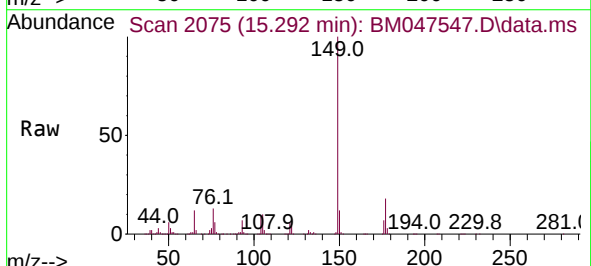
Tgt Ion:232 Resp: 9982
Ion Ratio Lower Upper
232 100
131 65.0 47.0 70.4
130 3.5 2.6 3.8
166 36.8 27.5 41.3

Manual Integrations
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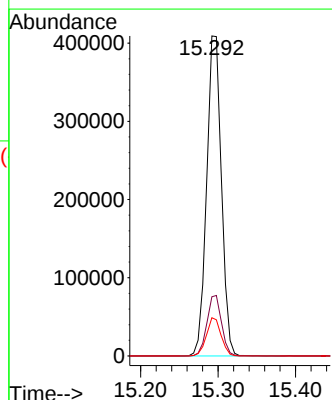
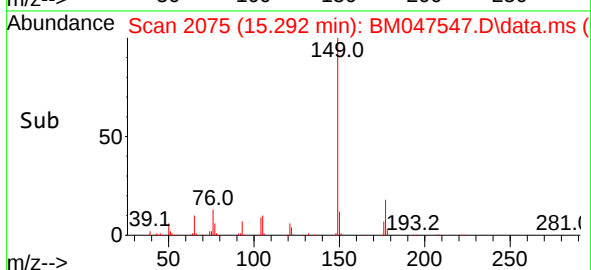
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

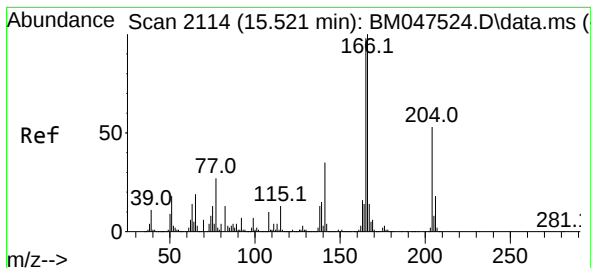


#60
Diethylphthalate
Concen: 8.266 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.012 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07



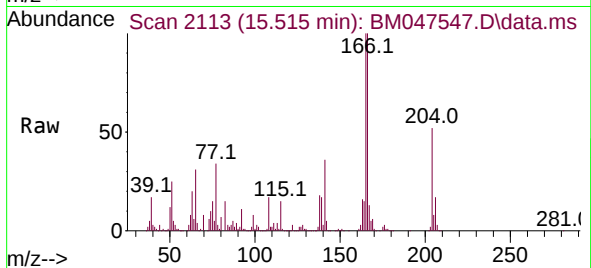
Tgt Ion:149 Resp: 540702
Ion Ratio Lower Upper
149 100
177 18.5 15.8 23.8
150 12.0 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 7.199 ng
RT: 15.515 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

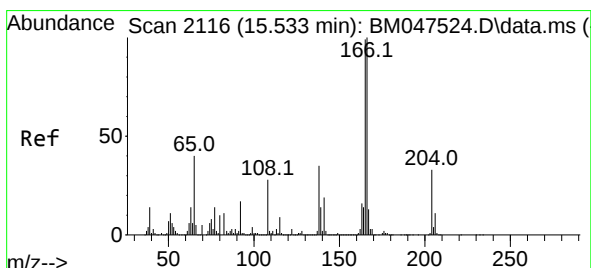
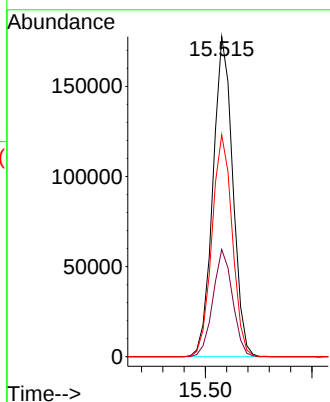
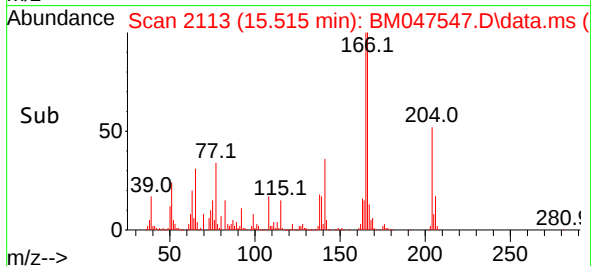
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



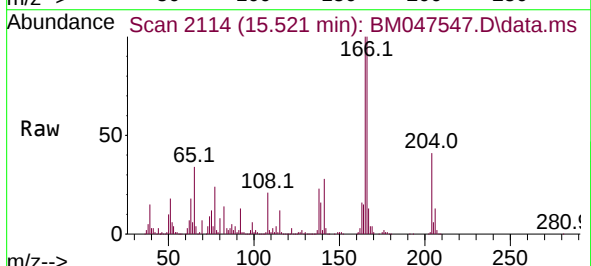
Tgt Ion:204 Resp: 229409
Ion Ratio Lower Upper
204 100
206 33.5 26.5 39.7
141 69.3 52.1 78.1

Manual Integrations
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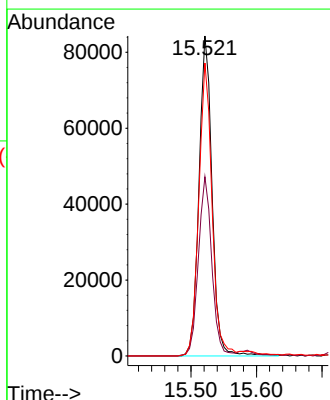
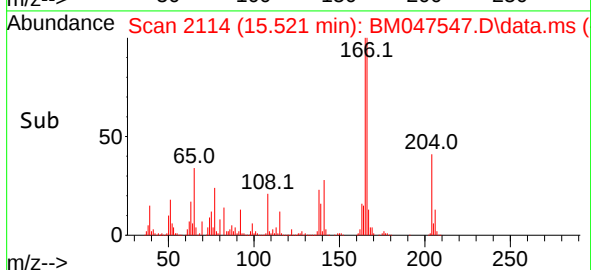
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

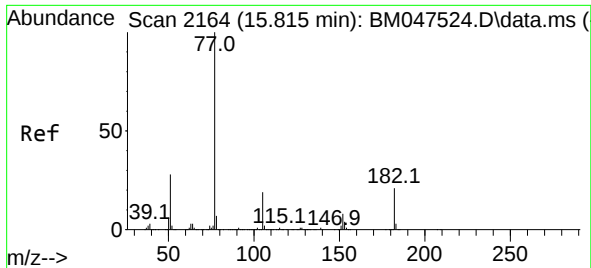


#62
4-Nitroaniline
Concen: 6.921 ng
RT: 15.521 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07



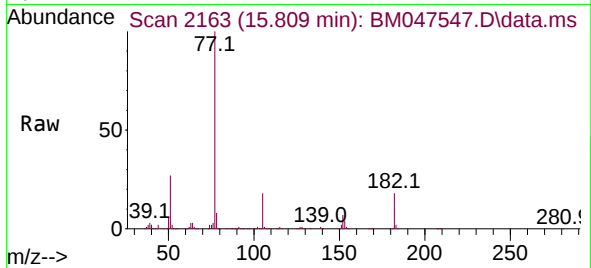
Tgt Ion:138 Resp: 117327
Ion Ratio Lower Upper
138 100
92 56.0 30.0 70.0
108 91.5 61.7 101.7





#63
Azobenzene
Concen: 8.990 ng
RT: 15.809 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

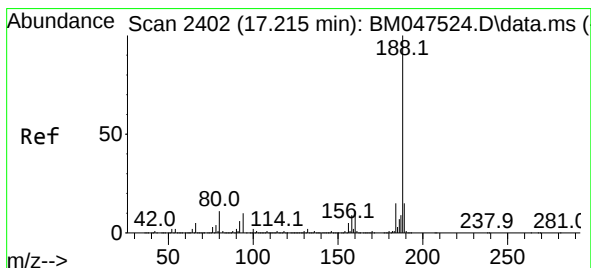
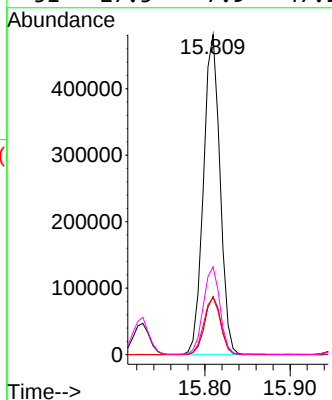
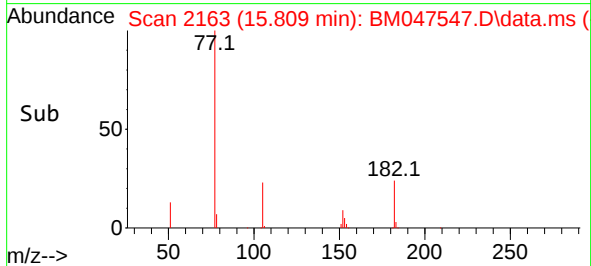
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 77 Resp: 647574
Ion Ratio Lower Upper
77 100
182 18.2 1.2 41.2
105 17.8 0.0 39.4
51 27.5 7.9 47.9

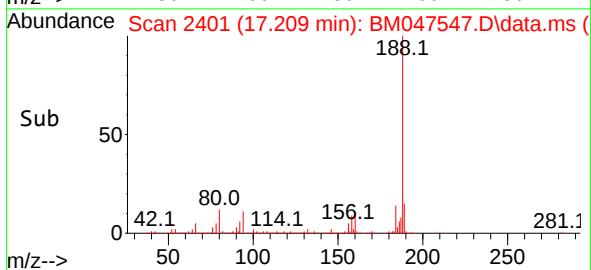
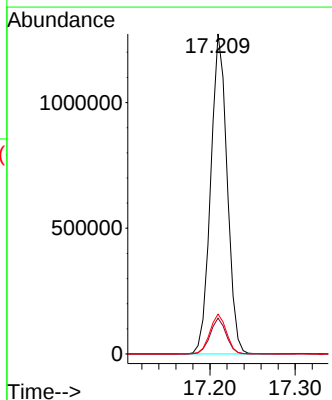
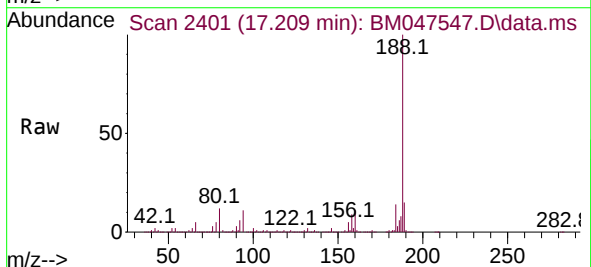
Manual Integrations
APPROVED

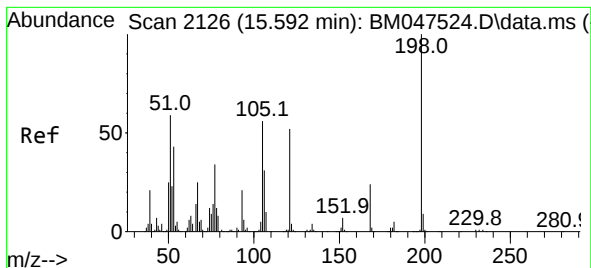
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

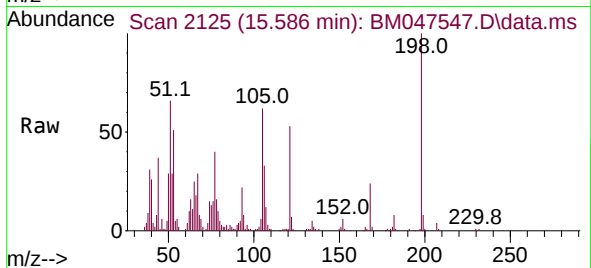
Tgt Ion:188 Resp: 1707279
Ion Ratio Lower Upper
188 100
94 11.2 8.4 12.6
80 12.4 9.1 13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 11.413 ng
RT: 15.586 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

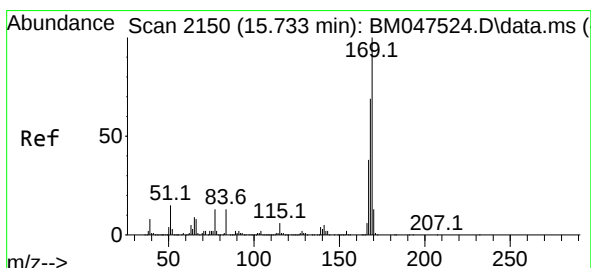
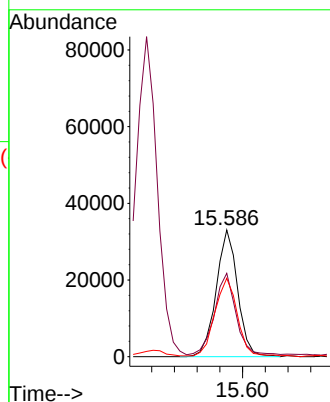
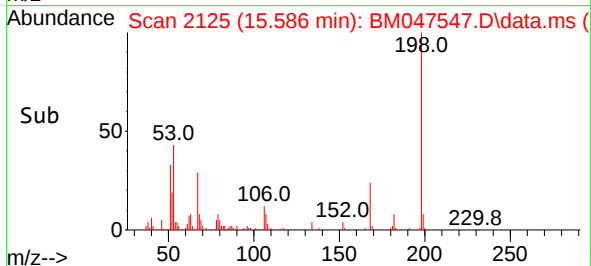
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



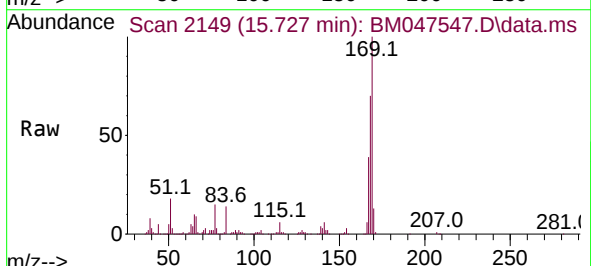
Tgt Ion:198 Resp: 43360
Ion Ratio Lower Upper
198 100
51 65.8 41.5 81.5
105 61.9 36.4 76.4

Manual Integrations
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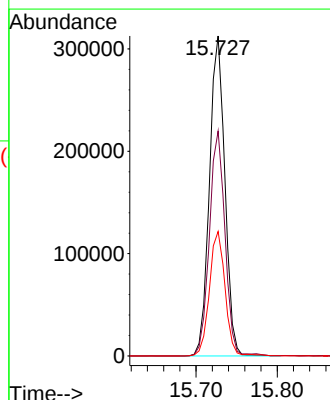
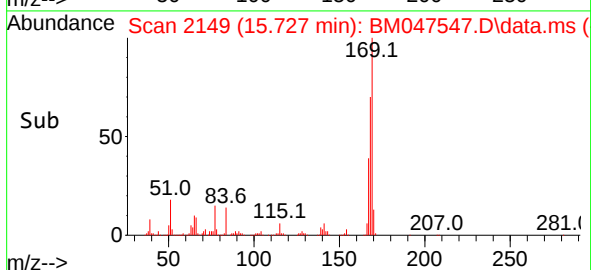
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

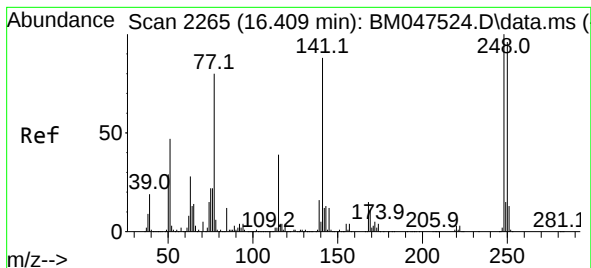


#66
n-Nitrosodiphenylamine
Concen: 7.882 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07



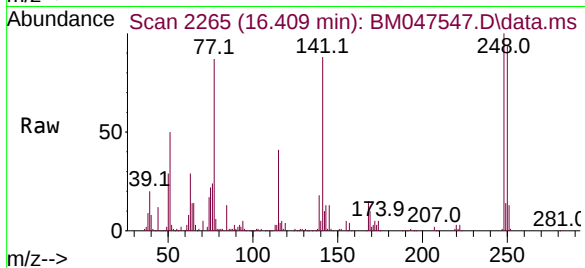
Tgt Ion:169 Resp: 411685
Ion Ratio Lower Upper
169 100
168 70.3 55.3 82.9
167 38.9 30.5 45.7





#67
4-Bromophenyl-phenylether
Concen: 7.367 ng
RT: 16.409 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

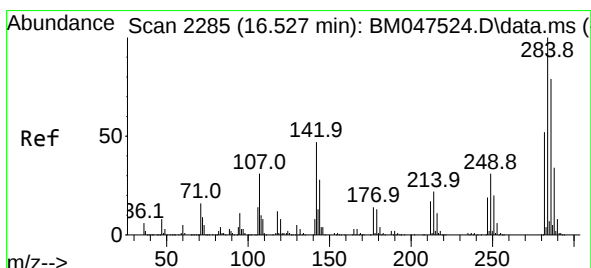
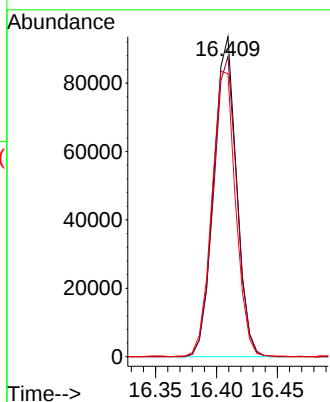
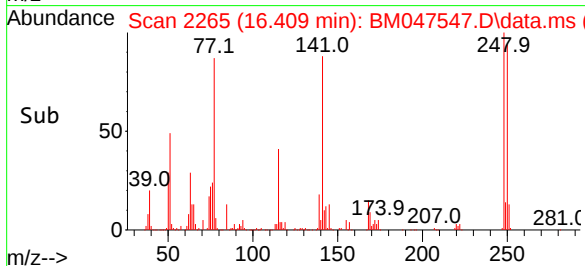
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



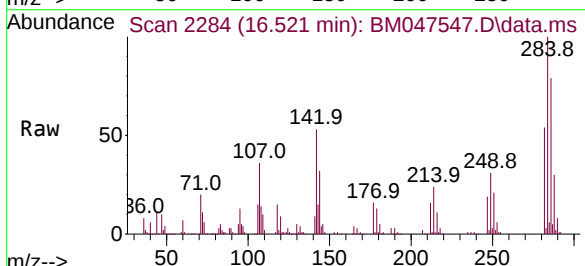
Tgt Ion:248 Resp: 12221
Ion Ratio Lower Upper
248 100
250 93.8 76.9 115.3
141 88.5 70.8 106.2

Manual Integrations
APPROVED

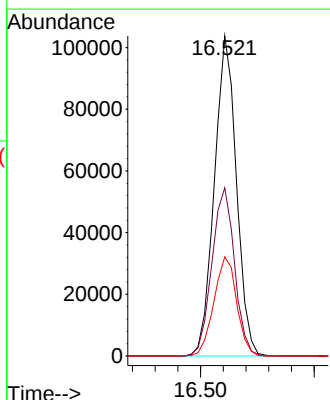
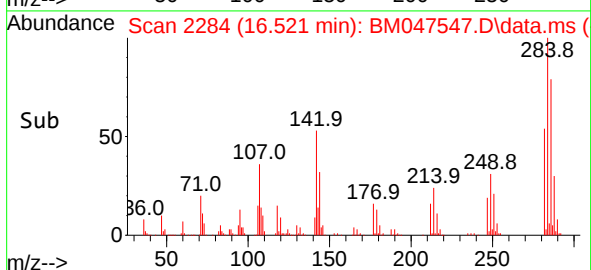
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

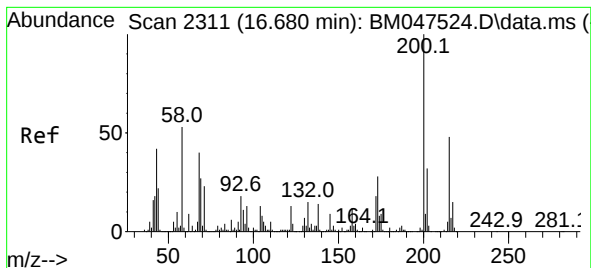


#68
Hexachlorobenzene
Concen: 7.438 ng
RT: 16.521 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07



Tgt Ion:284 Resp: 139781
Ion Ratio Lower Upper
284 100
142 52.6 37.3 55.9
249 31.0 24.5 36.7





#69

Atrazine

Concen: 8.149 ng

RT: 16.674 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047547.D

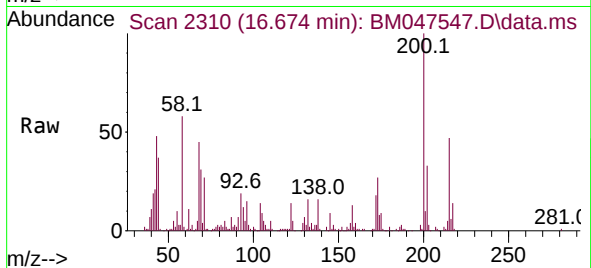
Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:200 Resp: 11763

Ion Ratio Lower Upper

200 100

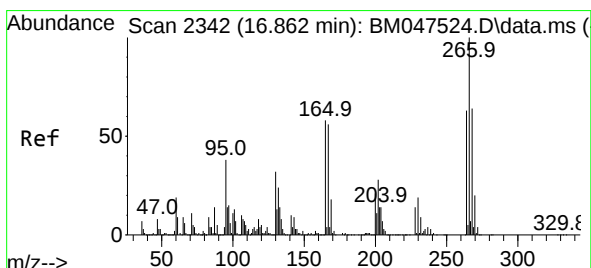
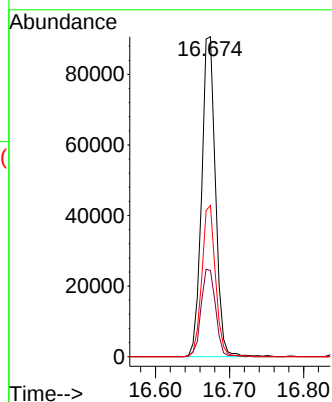
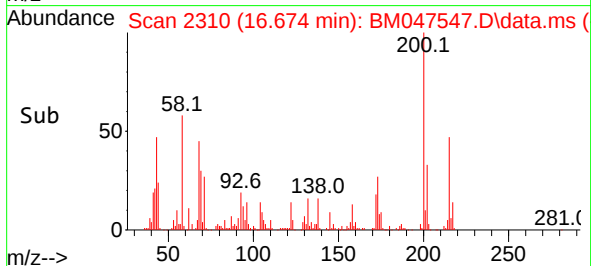
173 26.9 7.7 47.7

215 47.3 27.9 67.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#70

Pentachlorophenol

Concen: 6.417 ng

RT: 16.862 min Scan# 2342

Delta R.T. -0.000 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

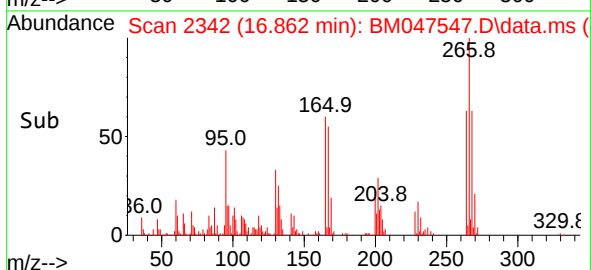
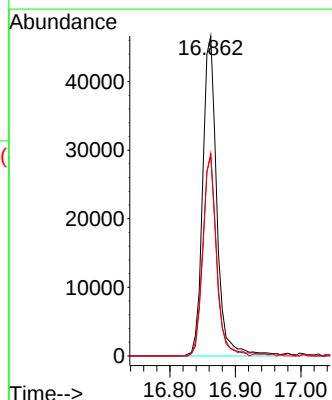
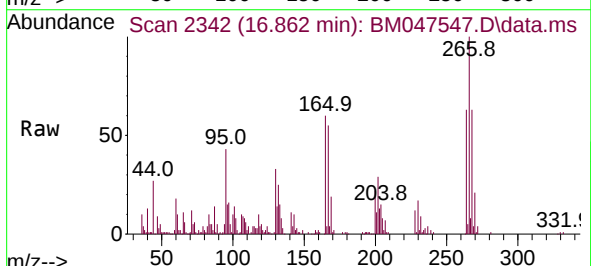
Tgt Ion:266 Resp: 69908

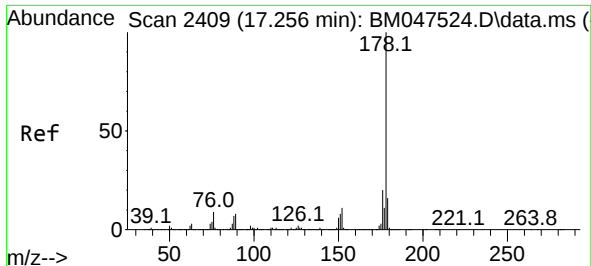
Ion Ratio Lower Upper

266 100

268 62.6 51.0 76.4

264 63.4 50.4 75.6





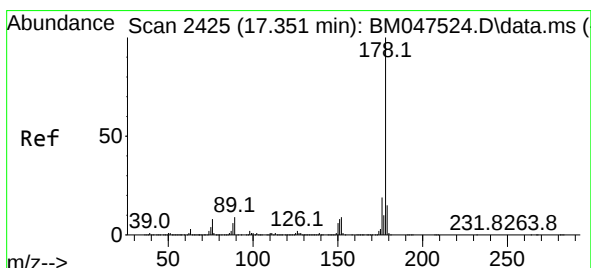
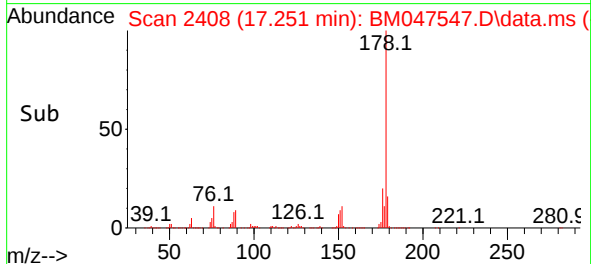
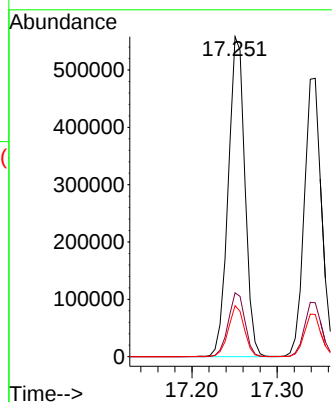
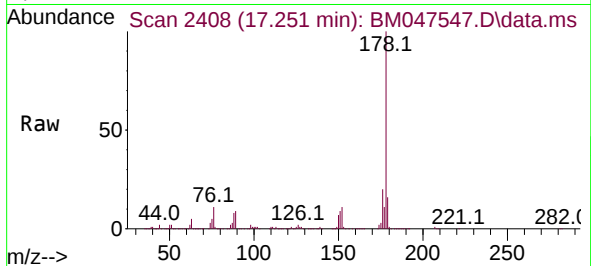
#71
Phenanthrene
Concen: 8.044 ng
RT: 17.251 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:178 Resp: 75684
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.9 12.4 18.6

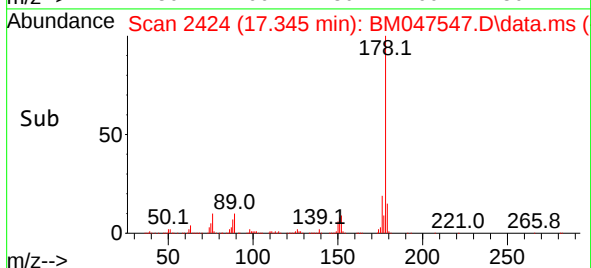
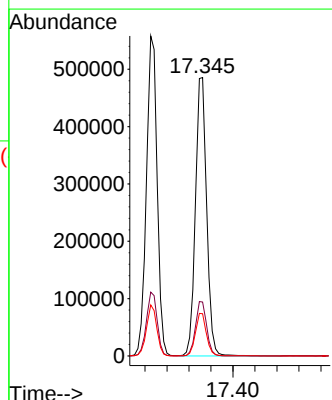
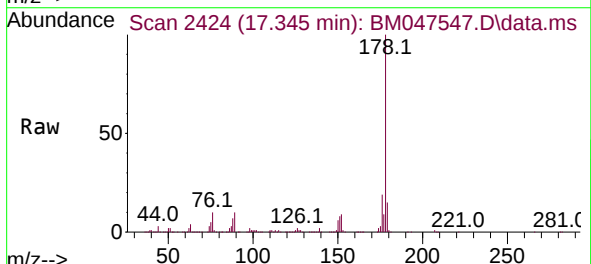
Manual Integrations
APPROVED

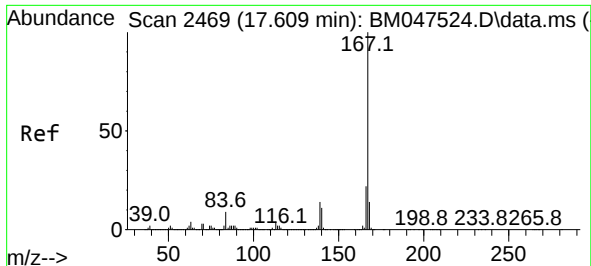
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#72
Anthracene
Concen: 7.619 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

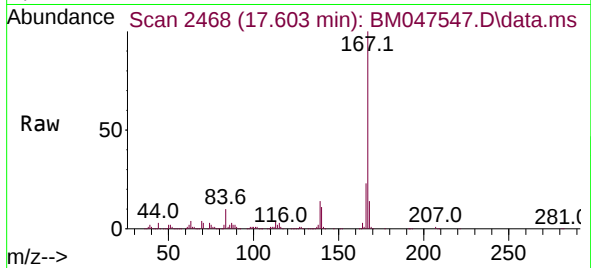
Tgt Ion:178 Resp: 688686
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.2 12.3 18.5





#73
Carbazole
Concen: 7.841 ng
RT: 17.603 min Scan# 2469
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

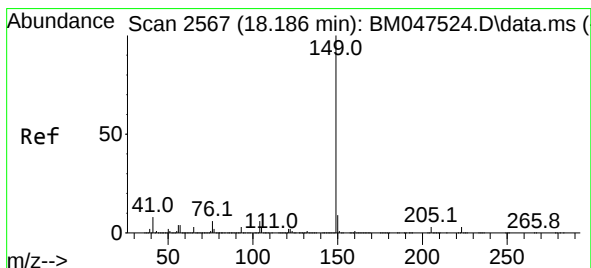
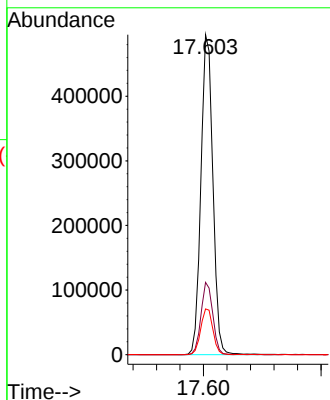
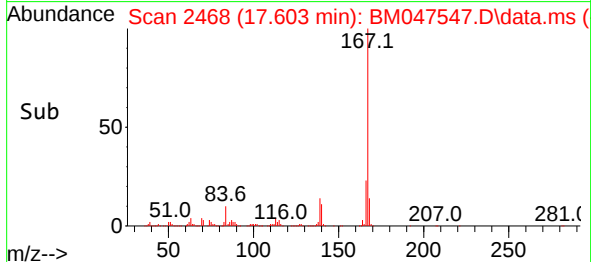
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



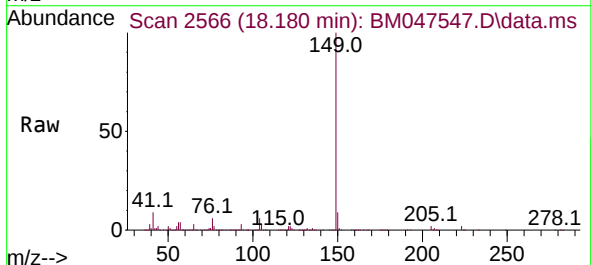
Tgt Ion:167 Resp: 702458
Ion Ratio Lower Upper
167 100
166 22.6 17.8 26.8
139 14.3 11.0 16.6

Manual Integrations
APPROVED

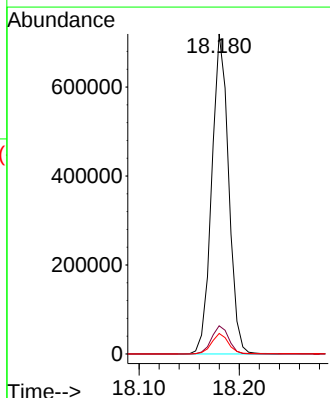
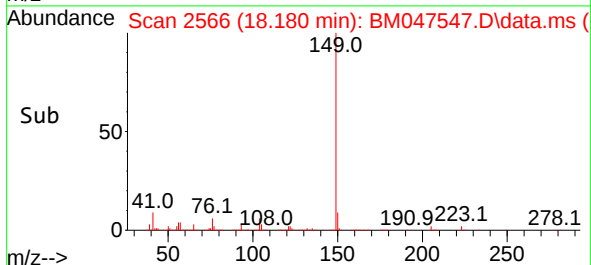
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

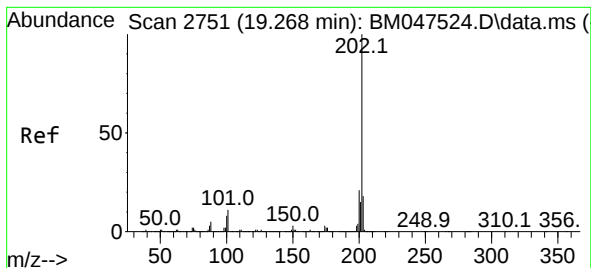


#74
Di-n-butylphthalate
Concen: 7.851 ng
RT: 18.180 min Scan# 2566
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07



Tgt Ion:149 Resp: 841558
Ion Ratio Lower Upper
149 100
150 8.8 7.4 11.2
104 6.4 4.6 6.8





#75

Fluoranthene

Concen: 7.276 ng

RT: 19.262 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

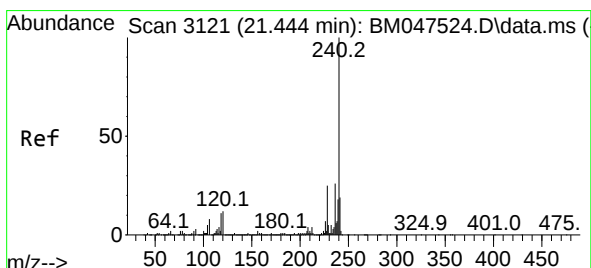
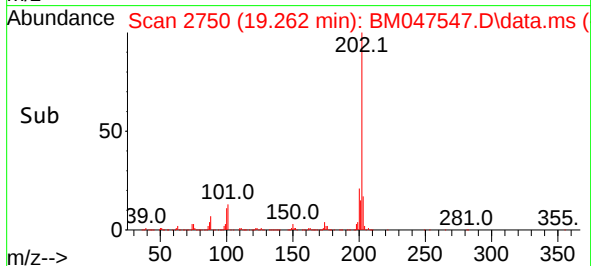
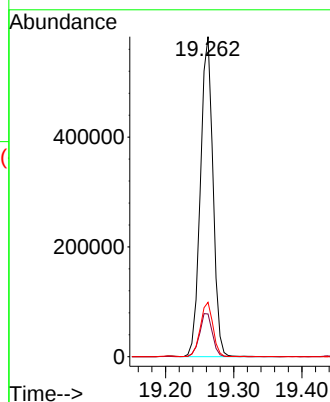
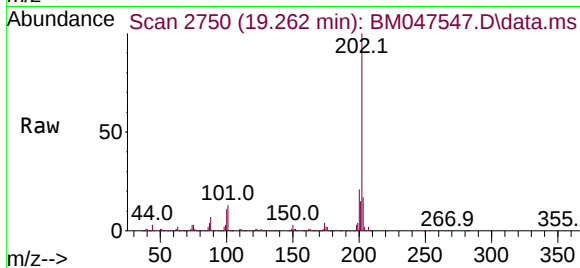
Tgt Ion:202 Resp: 74689

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	30.8
203	17.0	0.0	37.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.433 min Scan# 3119

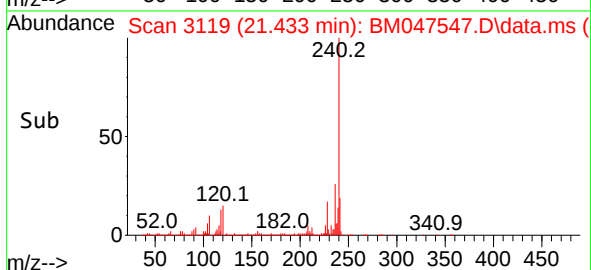
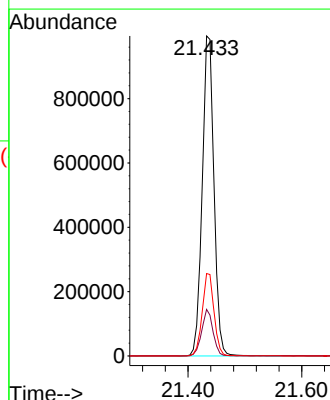
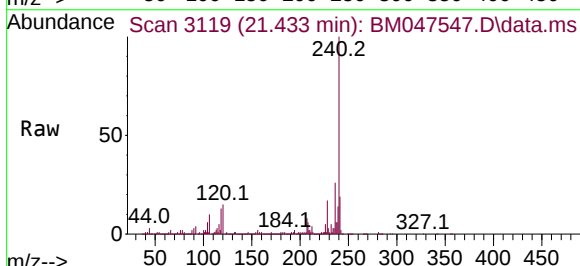
Delta R.T. -0.011 min

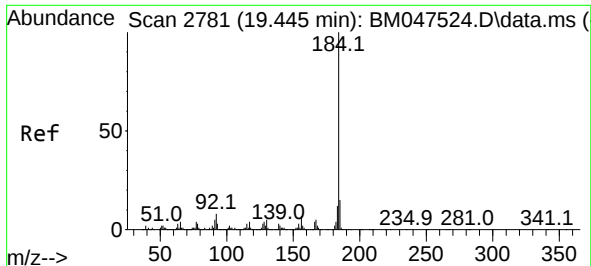
Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Tgt Ion:240 Resp: 1426234

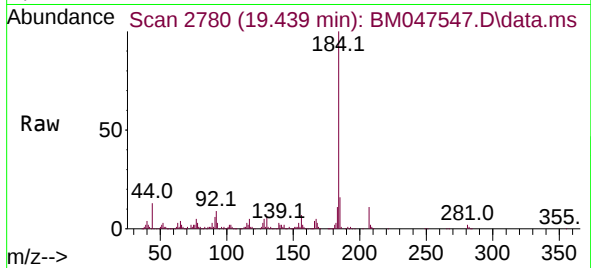
Ion	Ratio	Lower	Upper
240	100		
120	14.6	9.6	14.4#
236	25.8	20.9	31.3





#77
Benzidine
Concen: 10.872 ng
RT: 19.439 min Scan# 21838
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

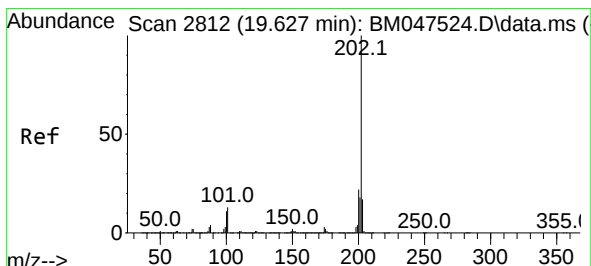
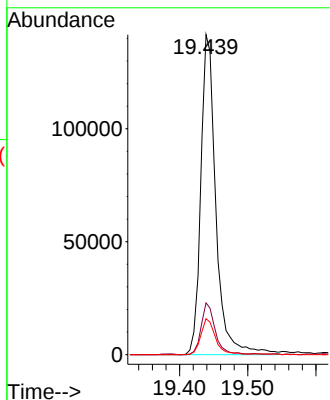
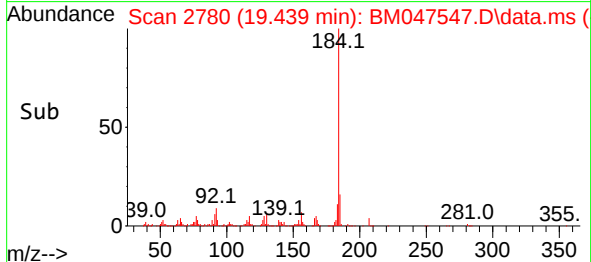
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



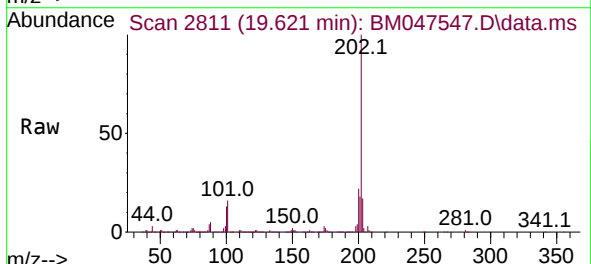
Tgt Ion:184 Resp: 21838
Ion Ratio Lower Upper
184 100
185 16.2 12.2 18.2
183 11.2 9.6 14.4

Manual Integrations
APPROVED

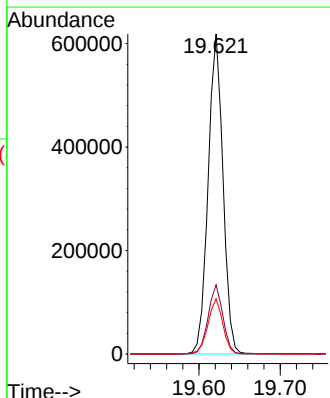
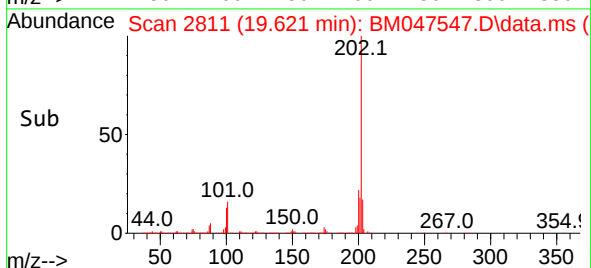
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

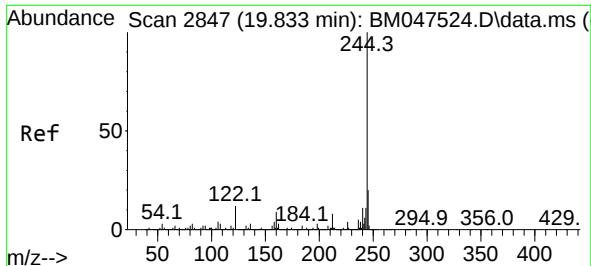


#78
Pyrene
Concen: 7.539 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07



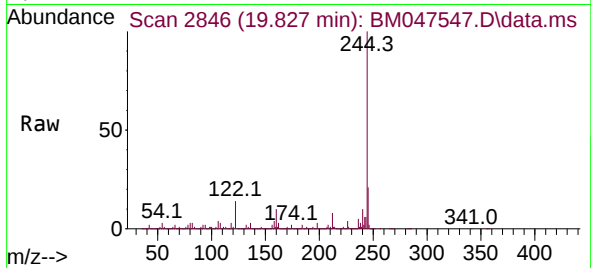
Tgt Ion:202 Resp: 784256
Ion Ratio Lower Upper
202 100
200 21.6 17.2 25.8
203 17.2 14.0 21.0





#79
 Terphenyl-d14
 Concen: 110.288 ng
 RT: 19.827 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM047547.D
 Acq: 17 Sep 2024 17:07

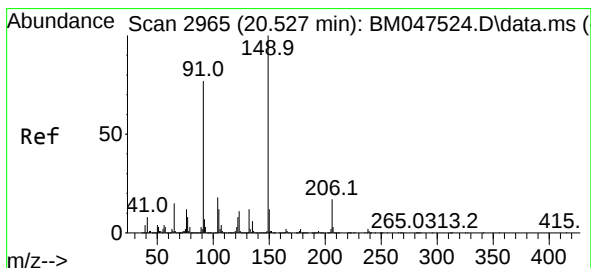
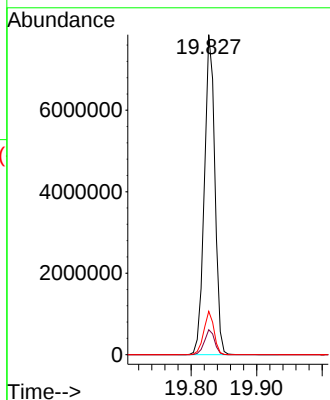
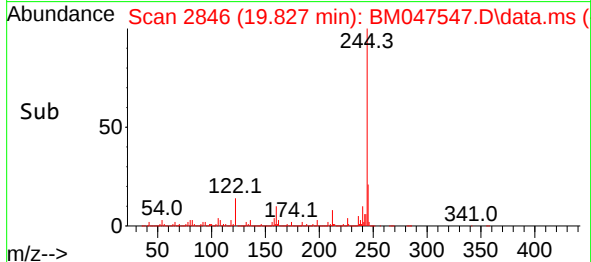
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:244 Resp: 8778014
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 13.5 9.6 14.4

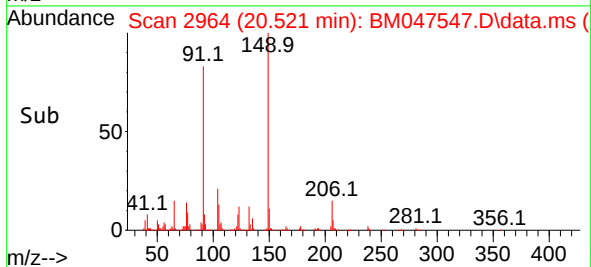
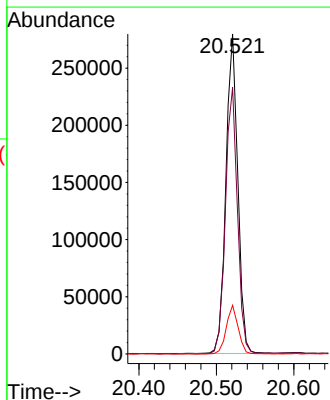
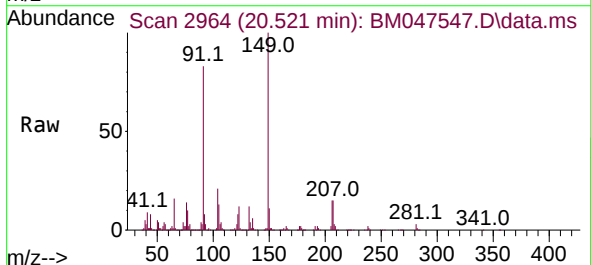
Manual Integrations
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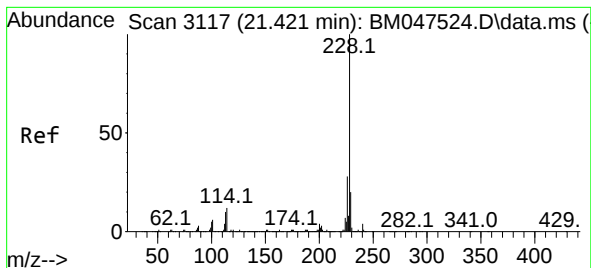
Reviewed By :Jagrut Upadhyay 09/18/2024
 Supervised By :mohammad ahmed 09/19/2024



#80
 Butylbenzylphthalate
 Concen: 7.428 ng
 RT: 20.521 min Scan# 2964
 Delta R.T. -0.006 min
 Lab File: BM047547.D
 Acq: 17 Sep 2024 17:07

Tgt Ion:149 Resp: 297484
 Ion Ratio Lower Upper
 149 100
 91 83.3 62.0 93.0
 206 15.2 13.8 20.8





#81

Benzo(a)anthracene

Concen: 8.279 ng

RT: 21.415 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

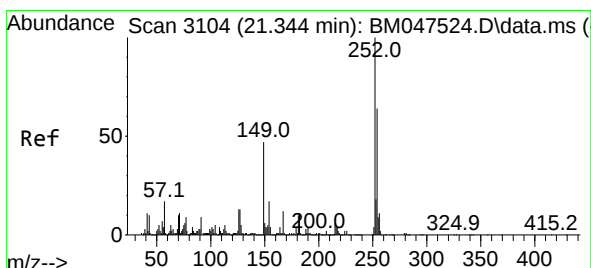
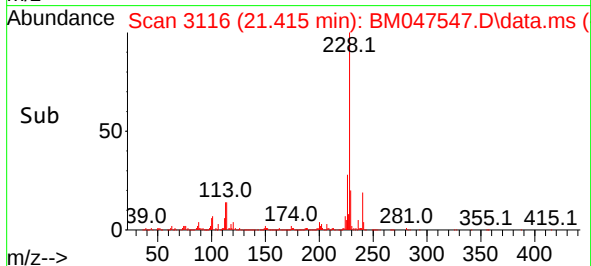
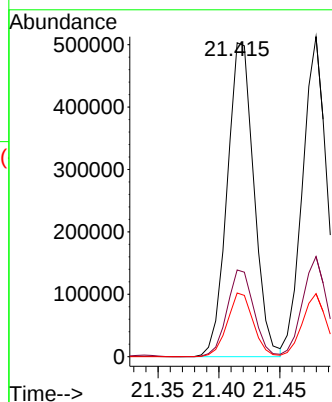
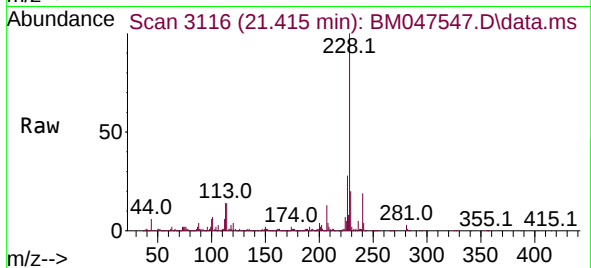
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:228	Resp: 76962
Ion Ratio	Lower Upper
228 100	
226 27.6	22.4 33.6
229 20.3	16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#82

3,3'-Dichlorobenzidine

Concen: 8.363 ng

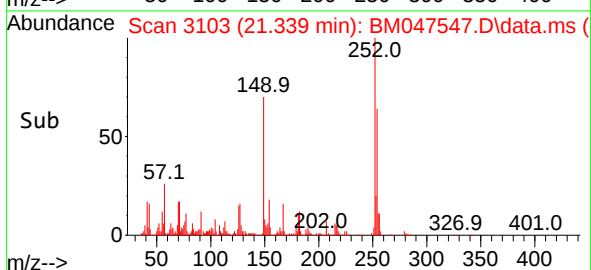
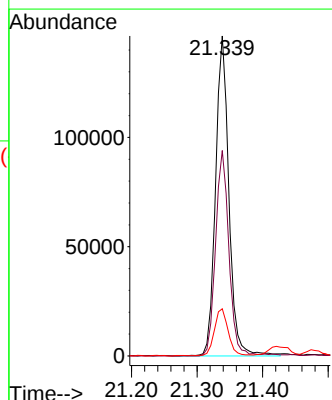
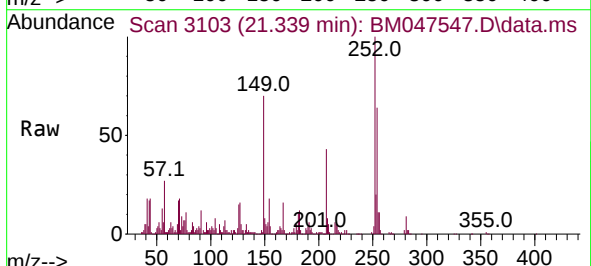
RT: 21.339 min Scan# 3103

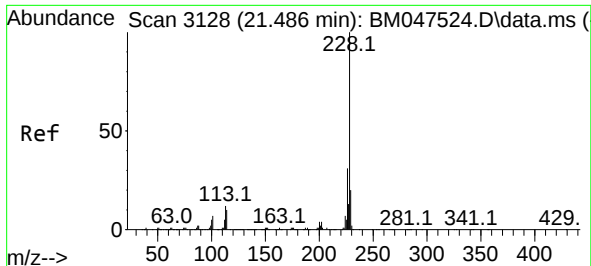
Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

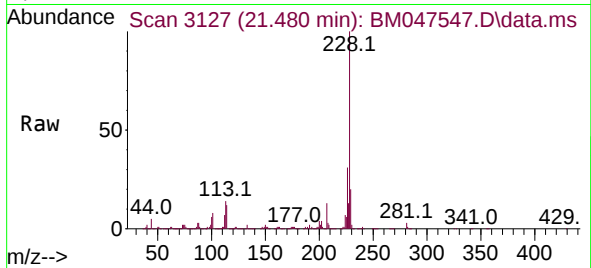
Tgt Ion:252	Resp: 206816
Ion Ratio	Lower Upper
252 100	
254 64.2	51.5 77.3
126 14.8	10.3 15.5





#83
Chrysene
Concen: 8.142 ng
RT: 21.480 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

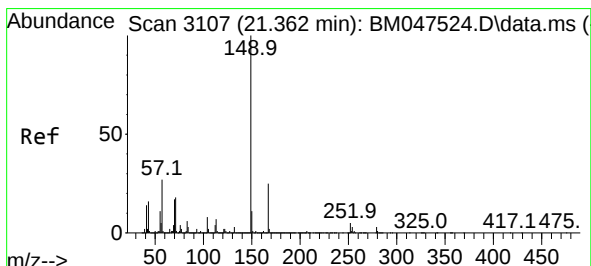
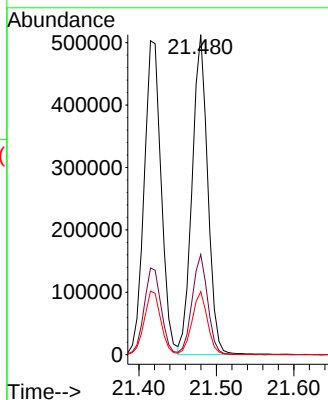
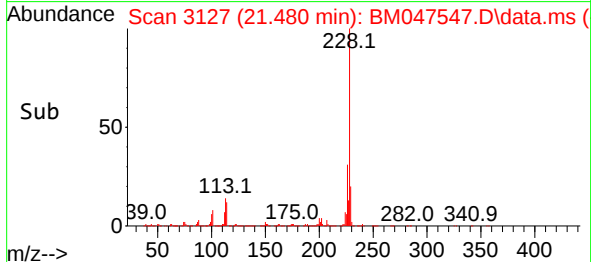
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:228 Resp: 715948
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.6
229 19.7 15.9 23.9

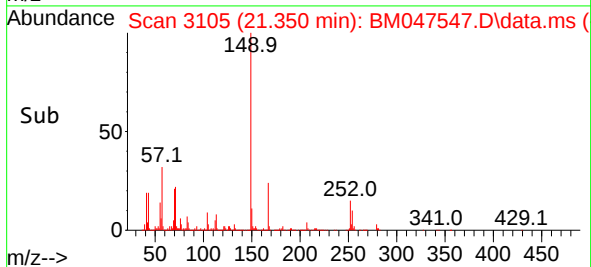
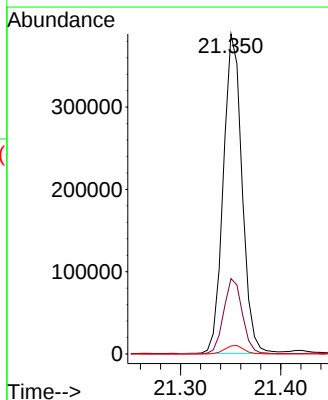
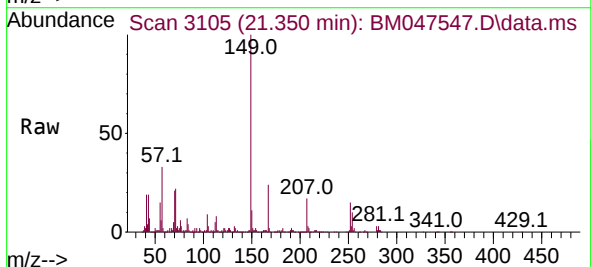
Manual Integrations
APPROVED

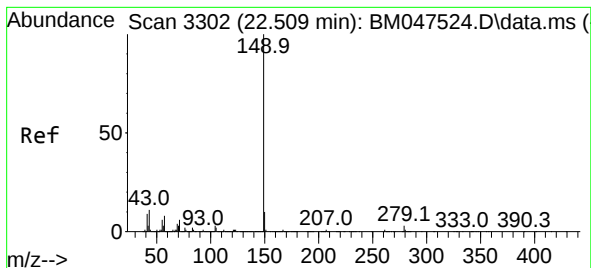
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.014 ng
RT: 21.350 min Scan# 3105
Delta R.T. -0.012 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:149 Resp: 502768
Ion Ratio Lower Upper
149 100
167 23.5 20.2 30.4
279 2.5 2.6 4.0#





#85

Di-n-octyl phthalate

Concen: 7.970 ng

RT: 22.497 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM047547.D

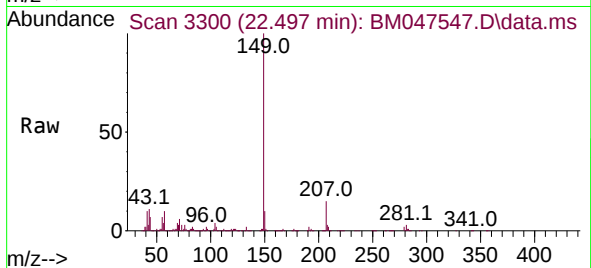
Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:149 Resp: 707224

Ion Ratio Lower Upper

149 100

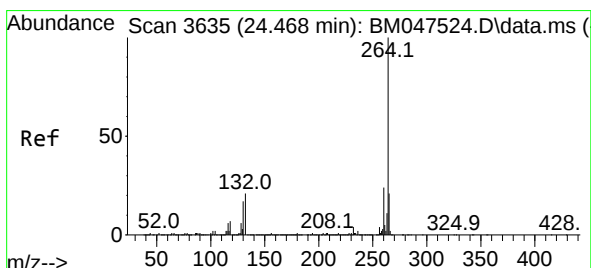
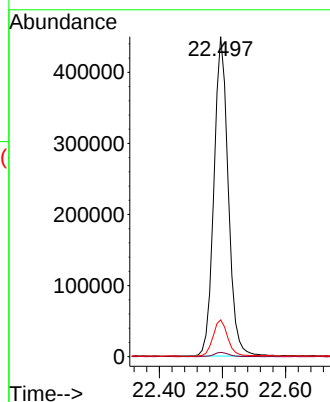
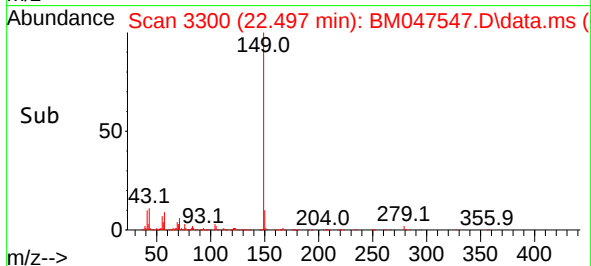
167 1.5 1.1 1.7

43 12.0 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.462 min Scan# 3634

Delta R.T. -0.006 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

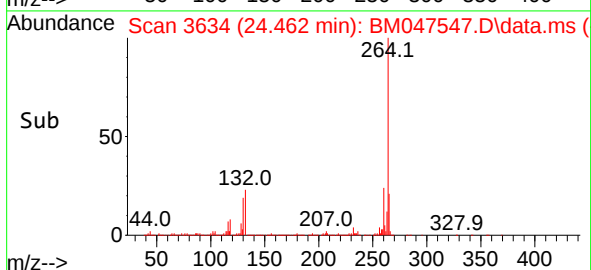
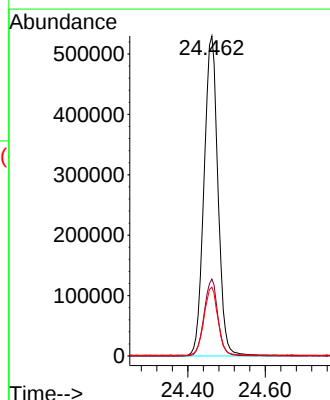
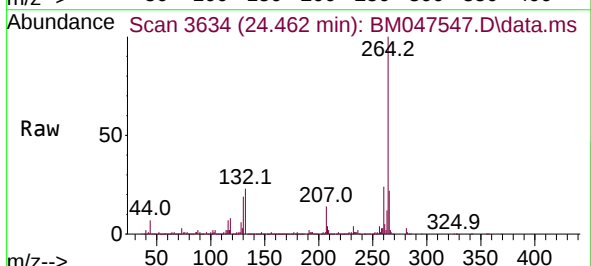
Tgt Ion:264 Resp: 1323754

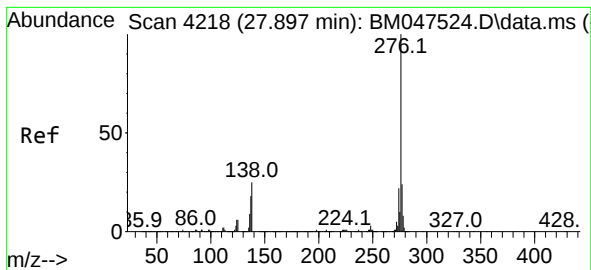
Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 21.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.658 ng

RT: 27.868 min Scan# 41

Delta R.T. -0.029 min

Lab File: BM047547.D

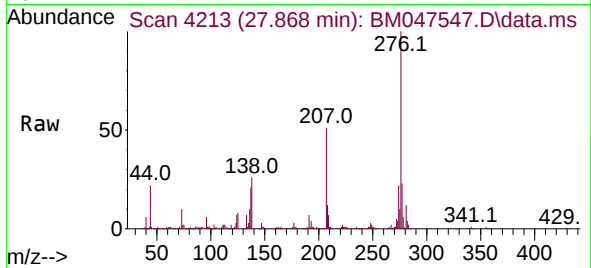
Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:276 Resp: 68588

Ion Ratio Lower Upper

276 100

138 34.6 25.0 37.6

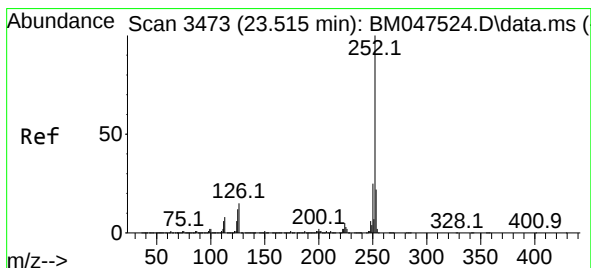
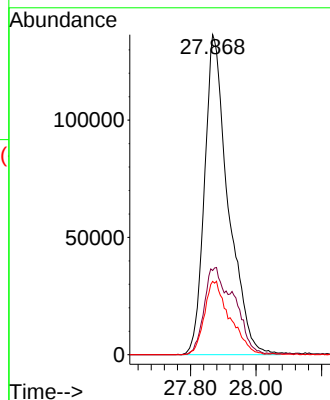
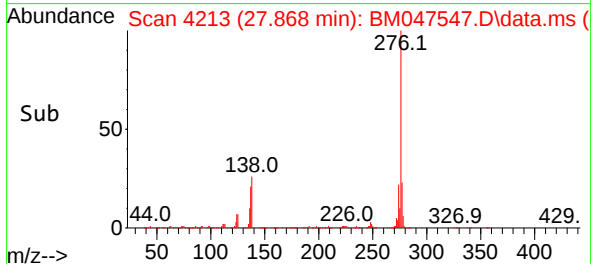
277 24.7 20.1 30.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/18/2024

Supervised By :mohammad ahmed 09/19/2024



#88

Benzo(b)fluoranthene

Concen: 7.746 ng

RT: 23.503 min Scan# 3471

Delta R.T. -0.012 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

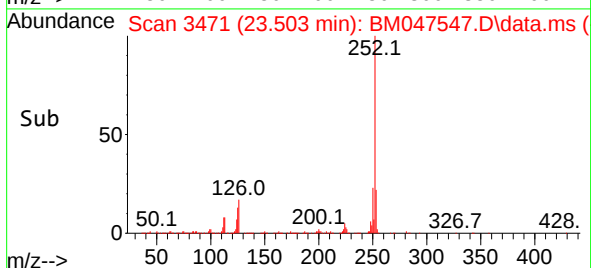
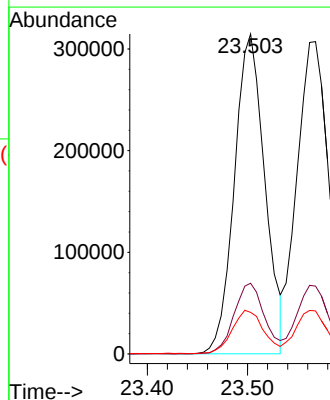
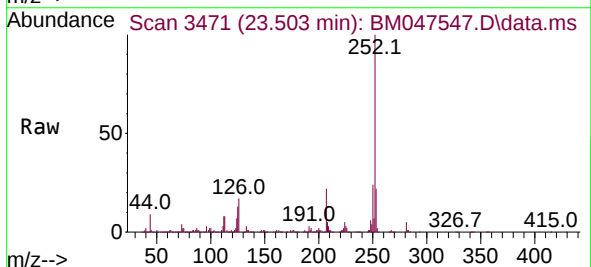
Tgt Ion:252 Resp: 663426

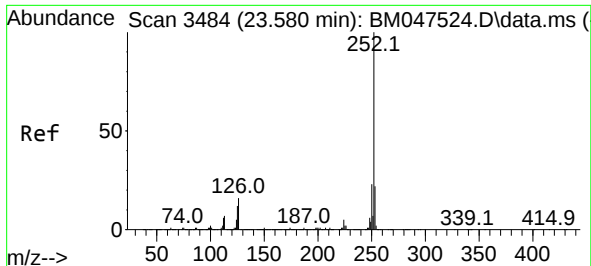
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

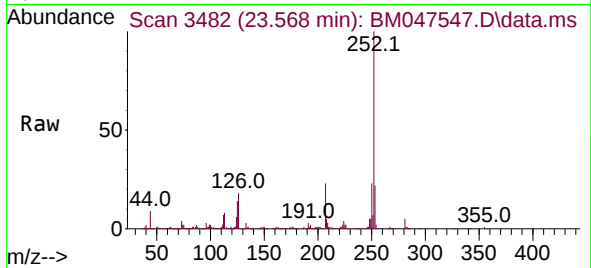
125 13.0 9.5 14.3





#89
Benzo(k)fluoranthene
Concen: 8.151 ng
RT: 23.568 min Scan# 3484
Delta R.T. -0.012 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

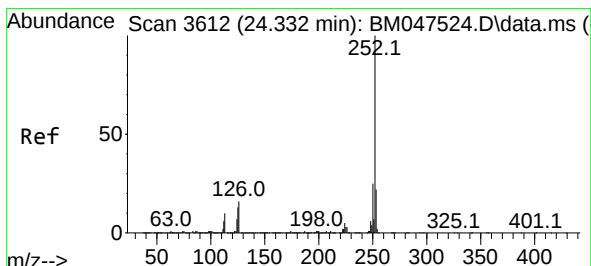
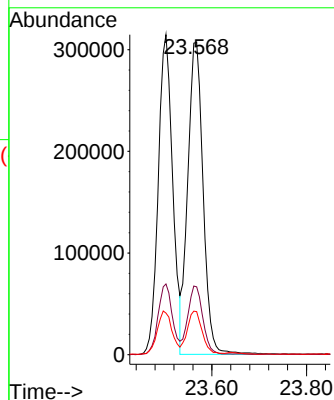
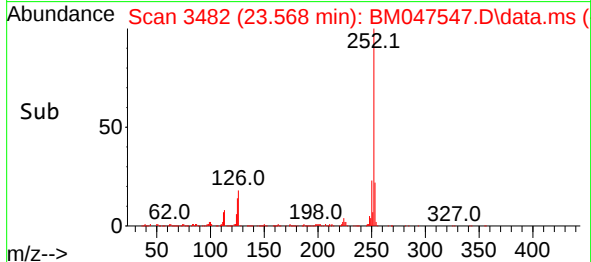
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:252 Resp: 691859
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.6
125 13.8 9.5 14.3

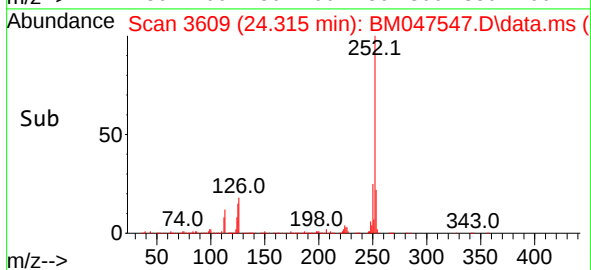
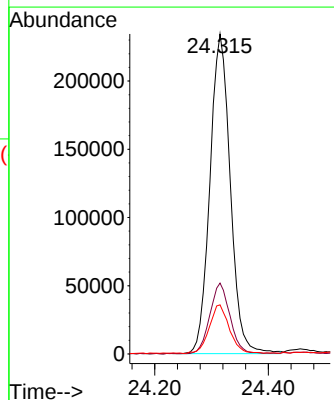
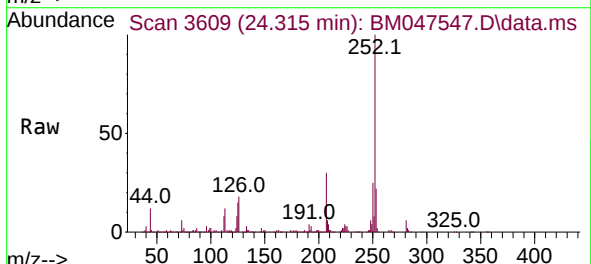
Manual Integrations
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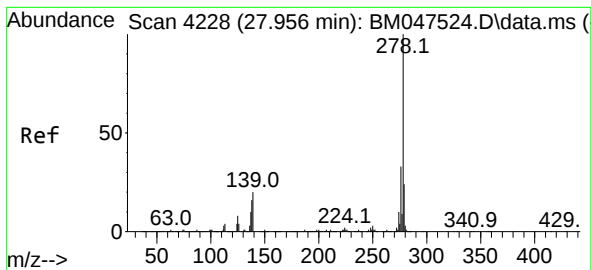
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#90
Benzo(a)pyrene
Concen: 8.291 ng
RT: 24.315 min Scan# 3609
Delta R.T. -0.018 min
Lab File: BM047547.D
Acq: 17 Sep 2024 17:07

Tgt Ion:252 Resp: 582018
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 15.3 10.2 15.4





#91

Dibenzo(a,h)anthracene

Concen: 8.325 ng

RT: 27.938 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:278 Resp: 55486

Ion Ratio Lower Upper

278 100

139 22.8 15.9 23.9

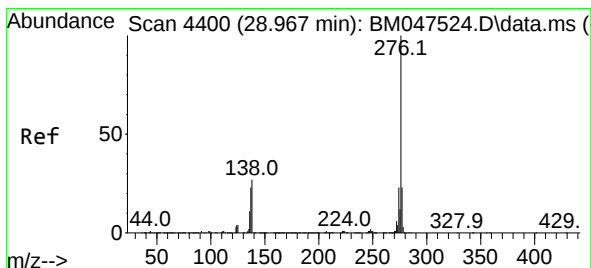
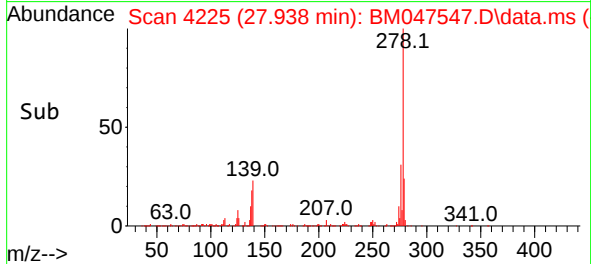
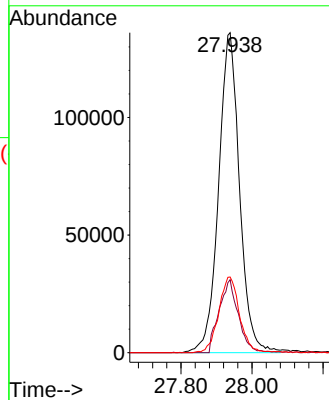
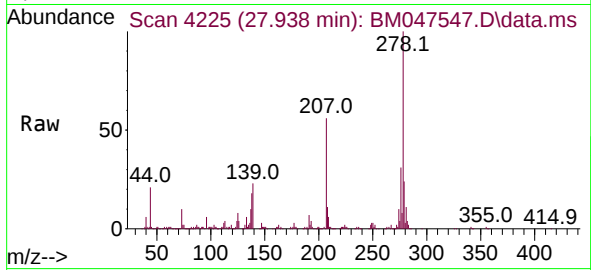
279 23.7 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024

Supervised By :mohammad ahmed 09/19/2024



#92

Benzo(g,h,i)perylene

Concen: 8.120 ng

RT: 28.932 min Scan# 4394

Delta R.T. -0.035 min

Lab File: BM047547.D

Acq: 17 Sep 2024 17:07

Tgt Ion:276 Resp: 528673

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 28.6 21.5 32.3

