

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081324\
 Data File : BM047172.D
 Acq On : 13 Aug 2024 13:04
 Operator : RC/JU
 Sample : P3390-03
 Misc : MDL-MDL-SOIL-8NG
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

Quant Time: Aug 13 13:47:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.369	152	182830	20.000	ng	0.00
21) Naphthalene-d8	10.128	136	757219	20.000	ng	0.00
39) Acenaphthene-d10	14.027	164	502487	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1124226	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1140950	20.000	ng	0.00
86) Perylene-d12	23.721	264	1390446	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.016	112	1316253	128.641	ng	0.00
7) Phenol-d6	6.581	99	1790952	127.028	ng	0.00
23) Nitrobenzene-d5	8.516	82	1308037	86.981	ng	0.00
42) 2,4,6-Tribromophenol	15.533	330	760565	130.537	ng	0.00
45) 2-Fluorobiphenyl	12.639	172	2665506	81.825	ng	0.00
79) Terphenyl-d14	19.456	244	4387213	82.394	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.034	88	39974	9.429	ng	99
3) Pyridine	3.416	79	93272	7.503	ng	96
4) n-Nitrosodimethylamine	3.328	42	45941	8.458	ng	# 90
6) Aniline	6.722	93	132772	9.963	ng	98
8) 2-Chlorophenol	6.946	128	94406	8.459	ng	99
9) Benzaldehyde	6.534	77	88399m	8.741	ng	
10) Phenol	6.604	94	114716	8.154	ng	93
11) bis(2-Chloroethyl)ether	6.822	93	100095	8.308	ng	97
12) 1,3-Dichlorobenzene	7.257	146	106896	8.061	ng	97
13) 1,4-Dichlorobenzene	7.404	146	107745	8.025	ng	98
14) 1,2-Dichlorobenzene	7.710	146	103745	8.189	ng	97
15) Benzyl Alcohol	7.622	79	75018	7.476	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.898	45	142055	9.189	ng	99
17) 2-Methylphenol	7.828	107	73594	7.841	ng	97
18) Hexachloroethane	8.422	117	41703	8.018	ng	95
19) n-Nitroso-di-n-propyla...	8.181	70	81467	8.578	ng	97
20) 3+4-Methylphenols	8.157	107	101845	7.762	ng	97
22) Acetophenone	8.187	105	159146	8.707	ng	95
24) Nitrobenzene	8.557	77	128365	8.477	ng	97
25) Isophorone	9.081	82	213640	8.159	ng	98
26) 2-Nitrophenol	9.257	139	43823	6.535	ng	91
27) 2,4-Dimethylphenol	9.339	122	62905	8.008	ng	99
28) bis(2-Chloroethoxy)met...	9.569	93	135532	8.226	ng	99
29) 2,4-Dichlorophenol	9.792	162	83105	7.130	ng	99
30) 1,2,4-Trichlorobenzene	9.992	180	100081	7.587	ng	98
31) Naphthalene	10.175	128	304872	8.082	ng	100
32) Benzoic acid	9.434	122	47997m	5.259	ng	
33) 4-Chloroaniline	10.304	127	120851	8.331	ng	98
34) Hexachlorobutadiene	10.463	225	54739	7.090	ng	96
35) Caprolactam	11.086	113	27929	6.900	ng	92
36) 4-Chloro-3-methylphenol	11.445	107	90372	7.280	ng	98
37) 2-Methylnaphthalene	11.798	142	210899	7.852	ng	97
38) 1-Methylnaphthalene	12.028	142	200326	7.547	ng	96
40) 1,2,4,5-Tetrachloroben...	12.180	216	102230	7.459	ng	99
41) Hexachlorocyclopentadiene	12.157	237	37620	7.861	ng	96
43) 2,4,6-Trichlorophenol	12.439	196	64971	6.670	ng	98

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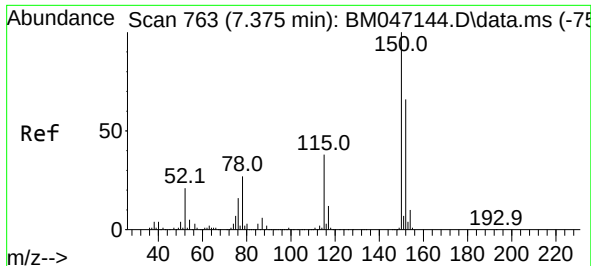
Quant Time: Aug 13 13:47:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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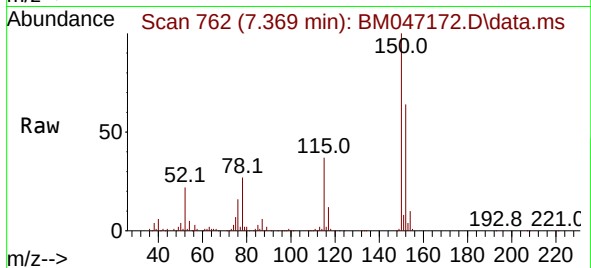
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.516	196	73052	6.754	ng	95
46) 1,1'-Biphenyl	12.851	154	293252	8.198	ng	99
47) 2-Chloronaphthalene	12.880	162	223876	8.007	ng	98
48) 2-Nitroaniline	13.110	65	66086	7.545	ng	89
49) Acenaphthylene	13.745	152	358335	8.694	ng	98
50) Dimethylphthalate	13.504	163	285513	8.136	ng	99
51) 2,6-Dinitrotoluene	13.622	165	57178	6.970	ng	91
52) Acenaphthene	14.092	154	205513	7.861	ng	98
53) 3-Nitroaniline	13.951	138	59610	7.251	ng	# 91
54) 2,4-Dinitrophenol	14.169	184	22865	4.650	ng	90
55) Dibenzofuran	14.433	168	355269	8.603	ng	100
56) 4-Nitrophenol	14.292	139	47742	6.735	ng	86
57) 2,4-Dinitrotoluene	14.422	165	75637	6.908	ng	# 83
58) Fluorene	15.086	166	281509	8.262	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.669	232	65036	7.316	ng	96
60) Diethylphthalate	14.886	149	280409	7.824	ng	97
61) 4-Chlorophenyl-phenyle...	15.092	204	130442	8.041	ng	99
62) 4-Nitroaniline	15.127	138	59202m	7.310	ng	
63) Azobenzene	15.386	77	289791	8.528	ng	98
65) 4,6-Dinitro-2-methylph...	15.192	198	36641	5.567	ng	94
66) n-Nitrosodiphenylamine	15.316	169	239313	7.815	ng	99
67) 4-Bromophenyl-phenylether	15.992	248	76334	7.046	ng	97
68) Hexachlorobenzene	16.092	284	94546	7.287	ng	96
69) Atrazine	16.286	200	80750	8.763	ng	97
70) Pentachlorophenol	16.451	266	52094	5.728	ng	97
71) Phenanthrene	16.833	178	467274	8.282	ng	99
72) Anthracene	16.921	178	448682	8.173	ng	99
73) Carbazole	17.204	167	446155	7.960	ng	99
74) Di-n-butylphthalate	17.792	149	476891	7.312	ng	98
75) Fluoranthene	18.862	202	522045	7.607	ng	98
77) Benzidine	19.074	184	199944	10.334	ng	99
78) Pyrene	19.227	202	555626	6.820	ng	99
80) Butylbenzylphthalate	20.174	149	214661	6.457	ng	99
81) Benzo(a)anthracene	21.009	228	588188	7.766	ng	98
82) 3,3'-Dichlorobenzidine	20.951	252	191037	8.061	ng	98
83) Chrysene	21.068	228	561681	7.816	ng	98
84) Bis(2-ethylhexyl)phtha...	20.974	149	320434	6.796	ng	99
85) Di-n-octyl phthalate	22.003	149	513750	6.411	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.703	276	718746	7.997	ng	99
88) Benzo(b)fluoranthene	22.880	252	609044	7.376	ng	98
89) Benzo(k)fluoranthene	22.933	252	606790	7.780	ng	99
90) Benzo(a)pyrene	23.592	252	542427	7.583	ng	97
91) Dibenzo(a,h)anthracene	26.750	278	590647	8.121	ng	97
92) Benzo(g,h,i)perylene	27.632	276	575698	7.624	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.369 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

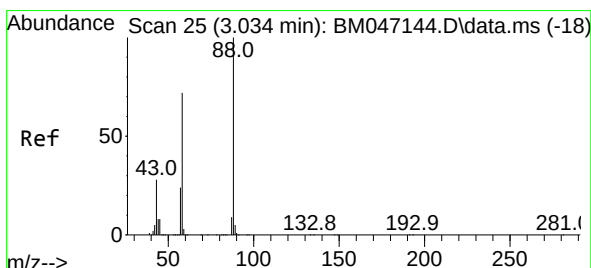
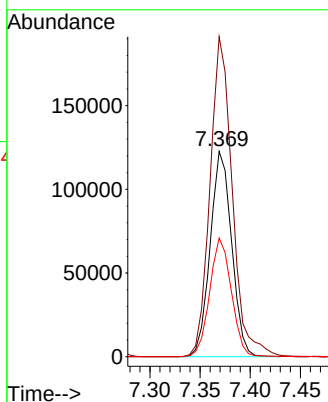
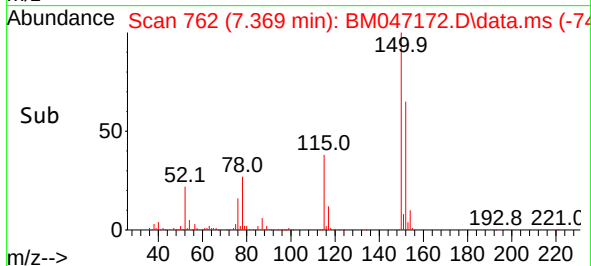
Instrument :
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MDL-SOIL-03-QT3-2024



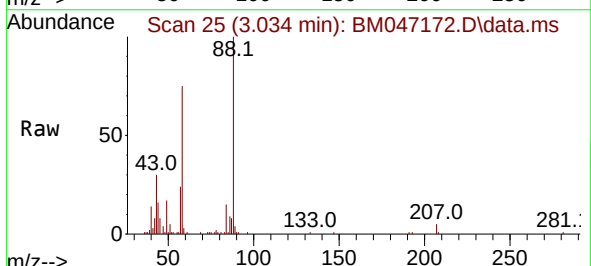
Tgt Ion: 152 Resp: 182830
Ion Ratio Lower Upper
152 100
150 155.9 120.5 180.7
115 57.8 45.5 68.3

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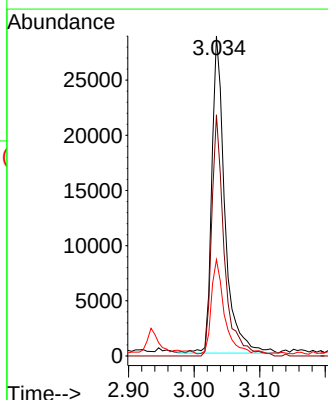
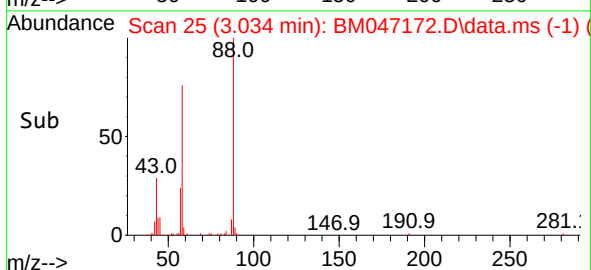
Reviewed By :Yogesh Patel 08/14/2024
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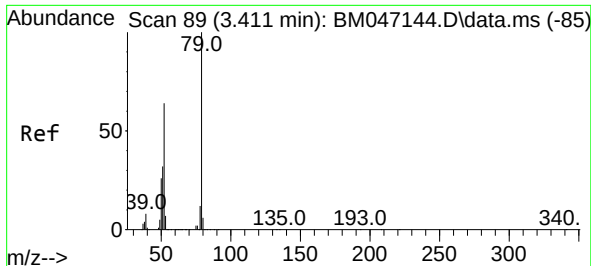


#2
1,4-Dioxane
Concen: 9.429 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04



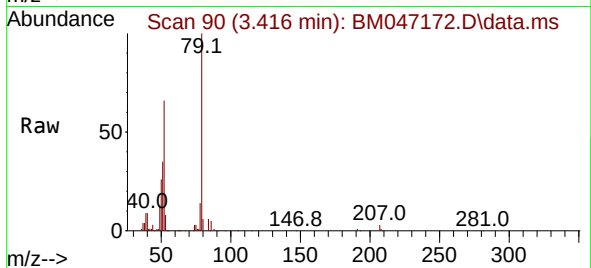
Tgt Ion: 88 Resp: 39974
Ion Ratio Lower Upper
88 100
58 72.9 58.2 87.4
43 29.1 22.5 33.7





#3
Pyridine
Concen: 7.503 ng
RT: 3.416 min Scan# 90
Delta R.T. 0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

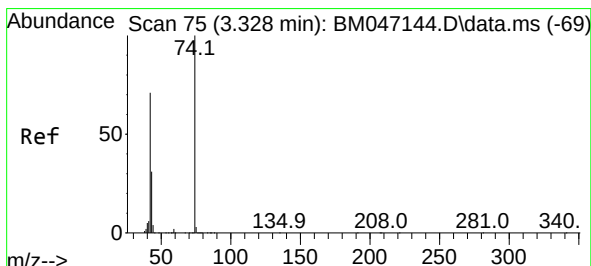
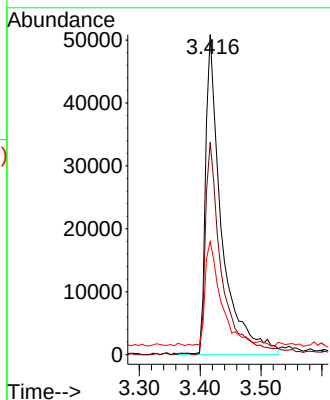
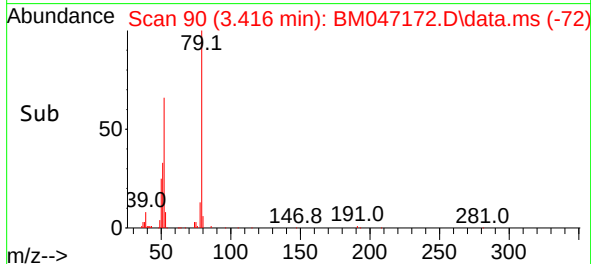
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



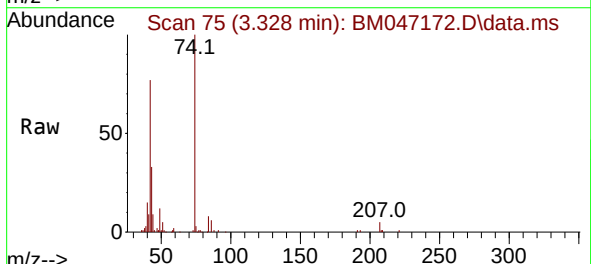
Tgt Ion: 79 Resp: 93272
Ion Ratio Lower Upper
79 100
52 66.4 51.2 76.8
51 35.3 26.1 39.1

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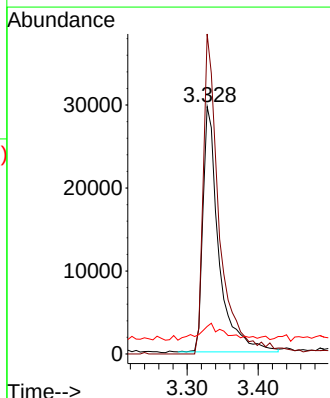
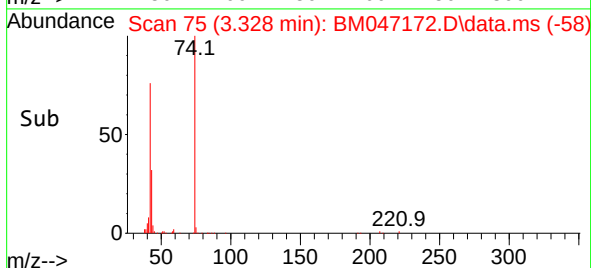
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

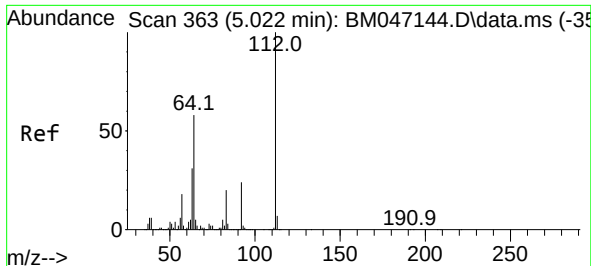


#4
n-Nitrosodimethylamine
Concen: 8.458 ng
RT: 3.328 min Scan# 75
Delta R.T. -0.000 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04



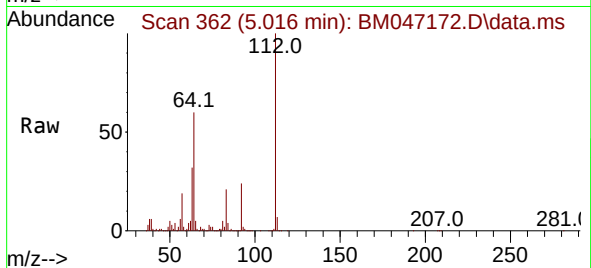
Tgt Ion: 42 Resp: 45941
Ion Ratio Lower Upper
42 100
74 129.4 112.9 169.3
44 11.1 5.3 7.9





#5
2-Fluorophenol
Concen: 128.641 ng
RT: 5.016 min Scan# 30
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

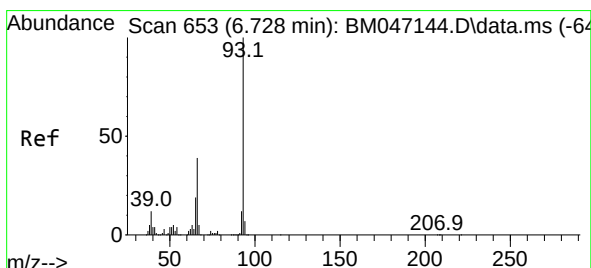
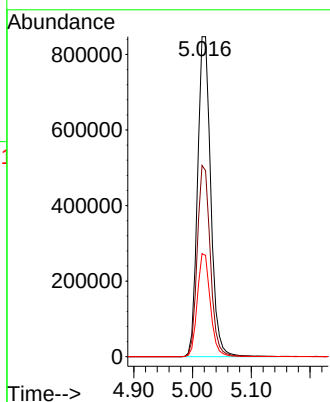
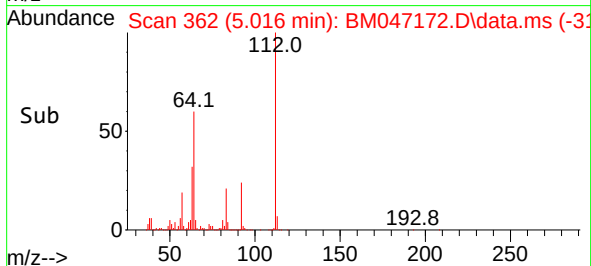
Instrument :
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MDL-SOIL-03-QT3-2024



Tgt Ion:112 Resp: 131625
Ion Ratio Lower Upper
112 100
64 59.8 46.7 70.1
63 32.2 24.8 37.2

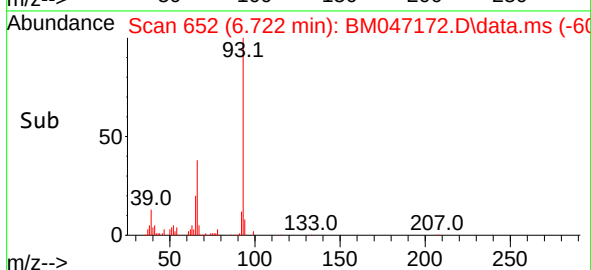
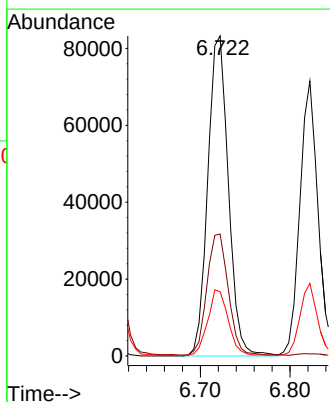
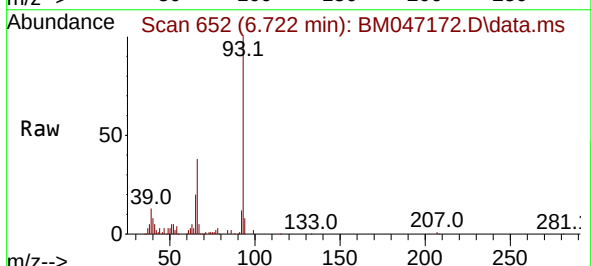
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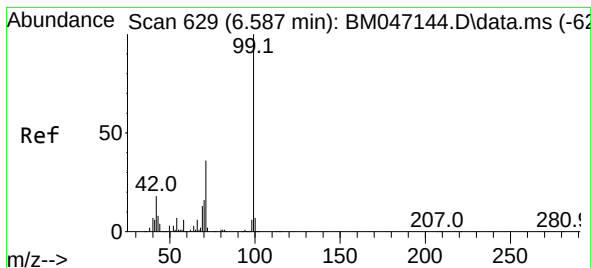
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#6
Aniline
Concen: 9.963 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

Tgt Ion: 93 Resp: 132772
Ion Ratio Lower Upper
93 100
66 38.1 31.4 47.2
65 20.1 15.6 23.4





#7

Phenol-d6

Concen: 127.028 ng

RT: 6.581 min Scan# 61

Delta R.T. -0.006 min

Lab File: BM047172.D

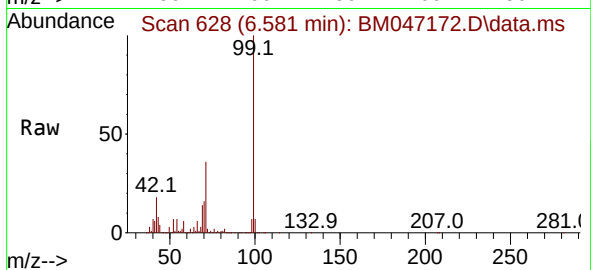
Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion: 99 Resp: 179095

Ion Ratio Lower Upper

99 100

42 18.1 14.1 21.1

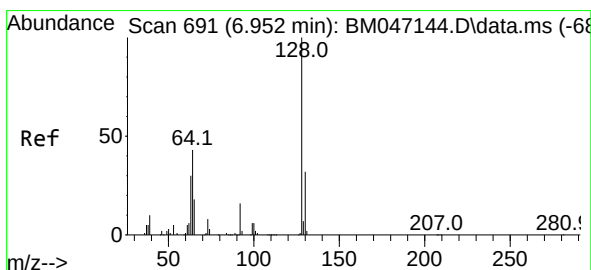
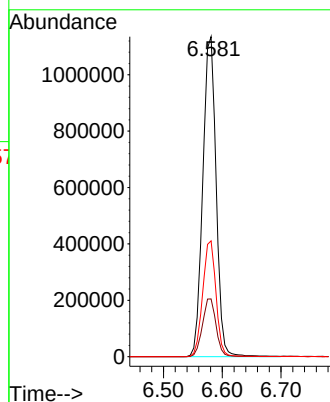
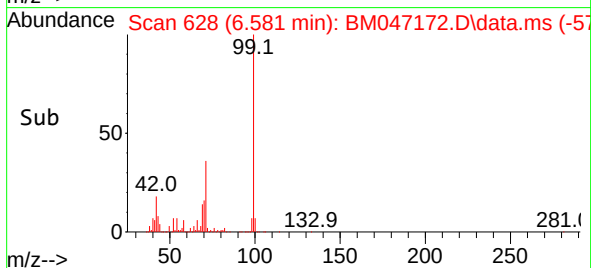
71 36.2 28.5 42.7

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Supervised By :mohammad ahmed 08/14/2024



#8

2-Chlorophenol

Concen: 8.459 ng

RT: 6.946 min Scan# 690

Delta R.T. -0.006 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

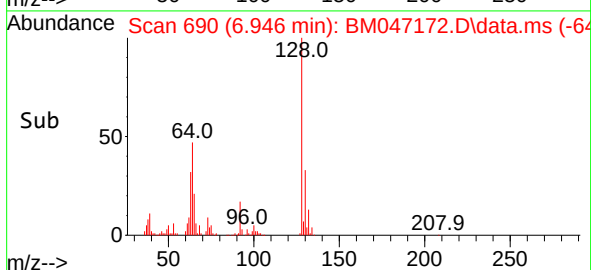
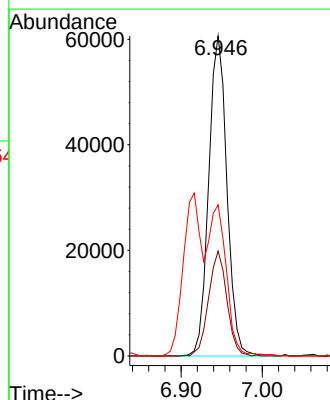
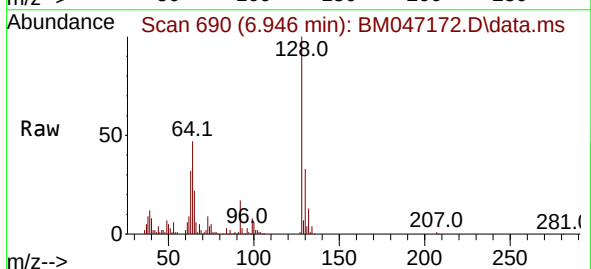
Tgt Ion:128 Resp: 94406

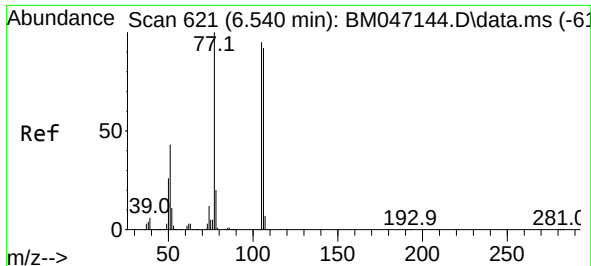
Ion Ratio Lower Upper

128 100

130 32.7 12.1 52.1

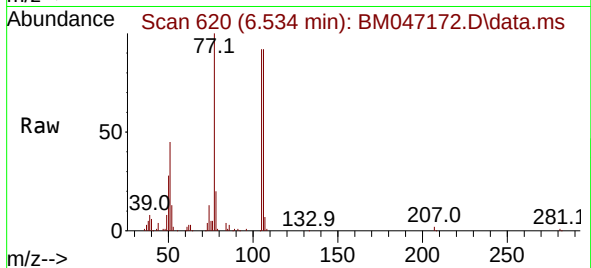
64 47.2 26.6 66.6





#9
Benzaldehyde
Concen: 8.741 ng m
RT: 6.534 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

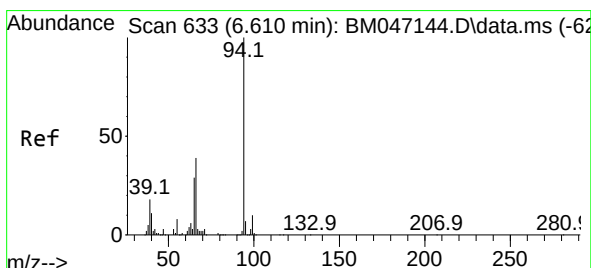
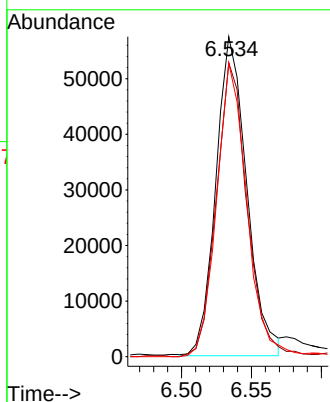
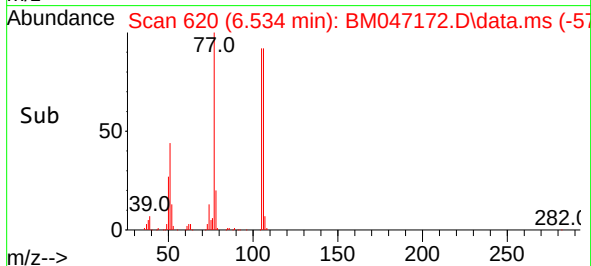
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MDL-SOIL-03-QT3-2024



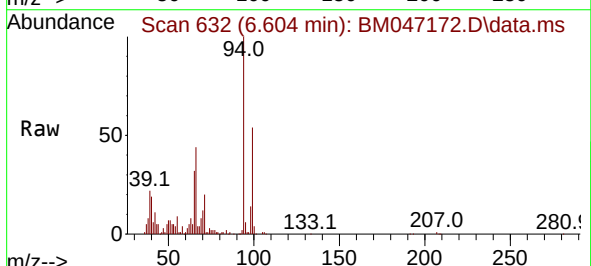
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Ion Ratio Lower Upper
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105 91.9 74.5 114.5
106 91.7 72.3 112.3

Manual Integrations
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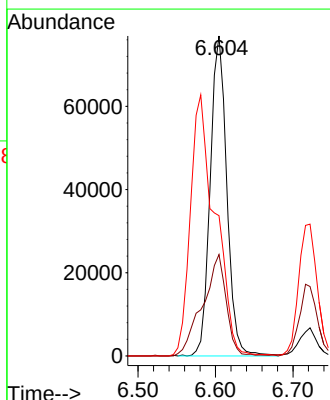
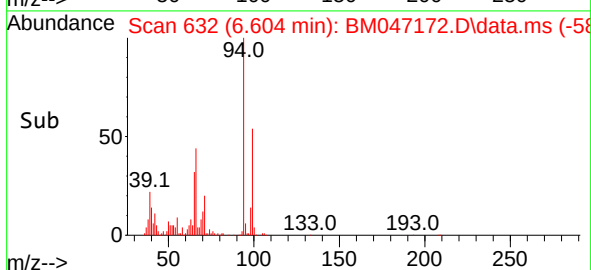
Reviewed By :Yogesh Patel 08/14/2024
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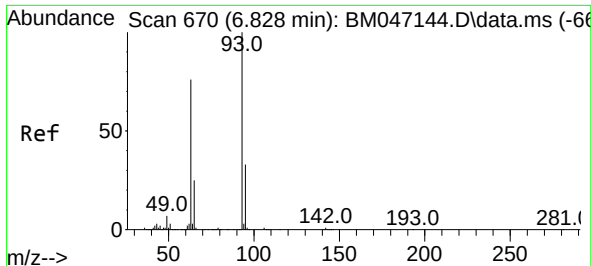


#10
Phenol
Concen: 8.154 ng
RT: 6.604 min Scan# 632
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04



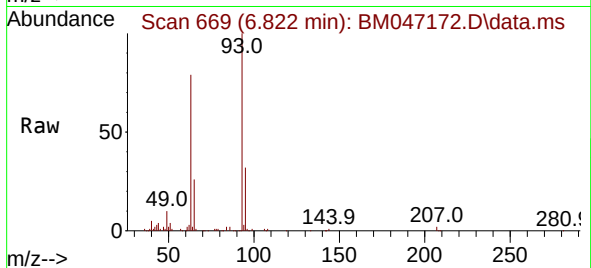
Tgt Ion: 94 Resp: 114716
Ion Ratio Lower Upper
94 100
65 31.7 9.0 49.0
66 43.8 18.9 58.9





#11
bis(2-Chloroethyl)ether
Concen: 8.308 ng
RT: 6.822 min Scan# 609
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

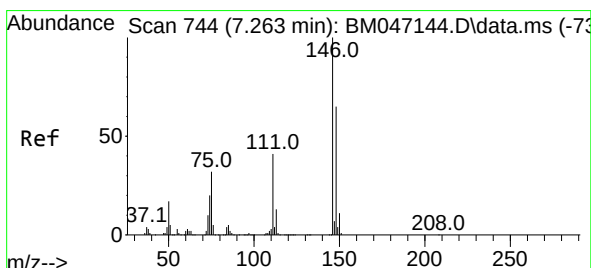
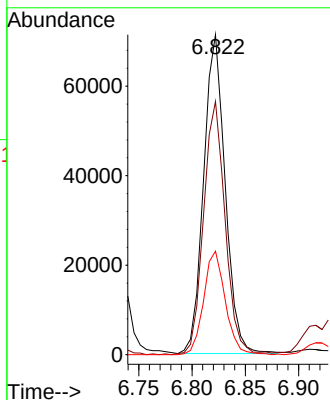
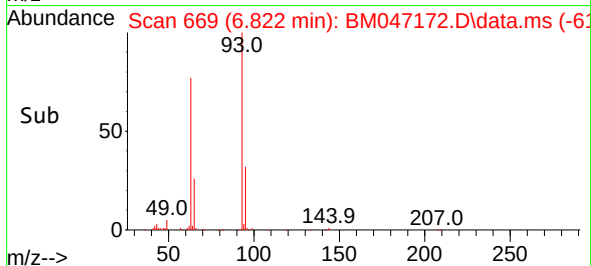
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion: 93 Resp: 100095
Ion Ratio Lower Upper
93 100
63 79.2 55.8 95.8
95 32.3 12.7 52.7

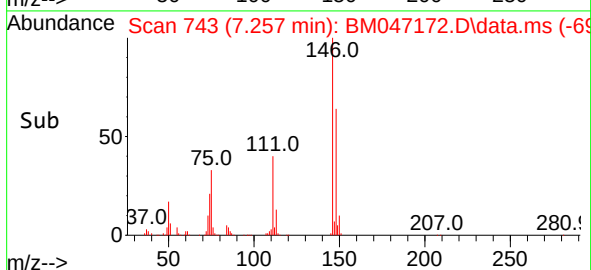
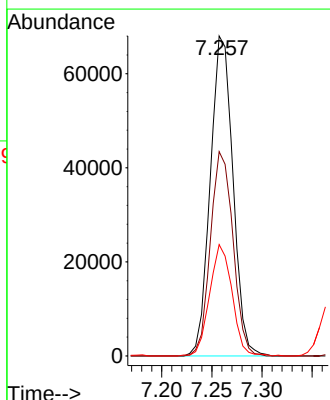
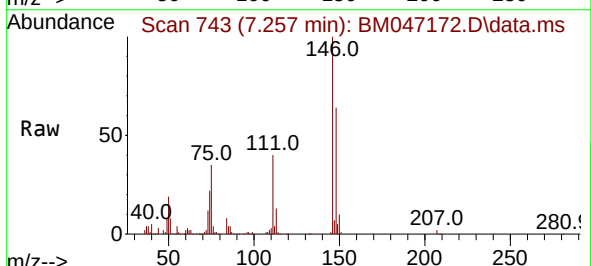
Manual Integrations
APPROVED

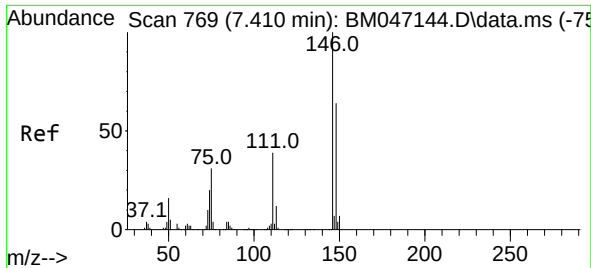
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#12
1,3-Dichlorobenzene
Concen: 8.061 ng
RT: 7.257 min Scan# 743
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

Tgt Ion:146 Resp: 106896
Ion Ratio Lower Upper
146 100
148 63.8 52.3 78.5
75 34.8 25.8 38.6





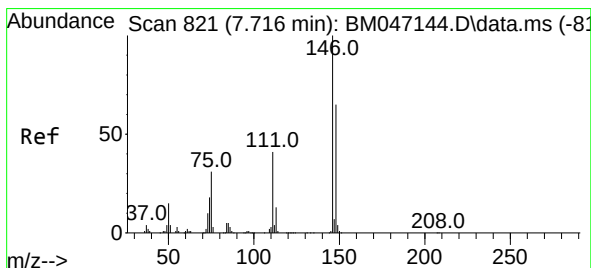
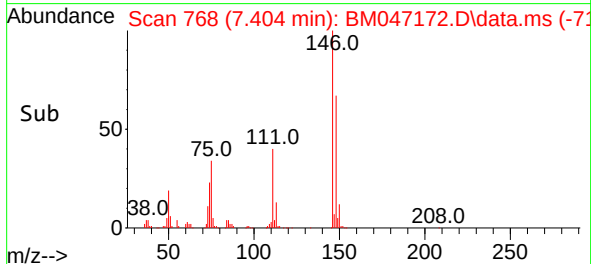
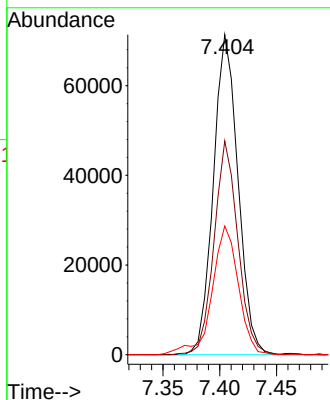
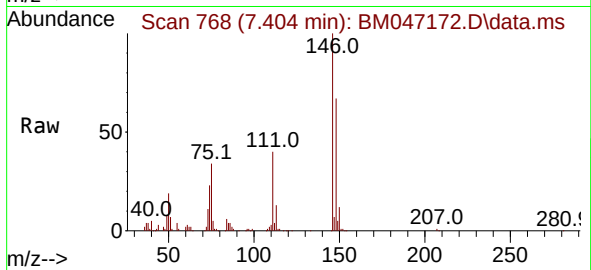
#13
1,4-Dichlorobenzene
Concen: 8.025 ng
RT: 7.404 min Scan# 70
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024

Tgt Ion:146 Resp: 107745
Ion Ratio Lower Upper
146 100
148 66.8 51.4 77.2
111 40.2 31.5 47.3

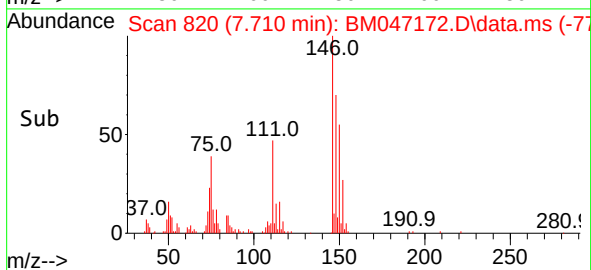
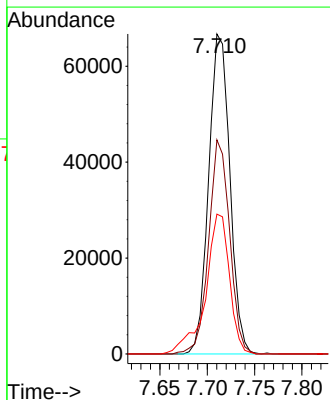
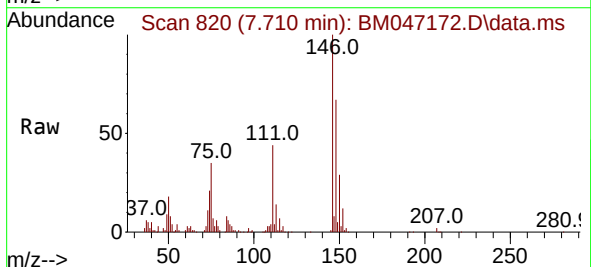
Manual Integrations
APPROVED

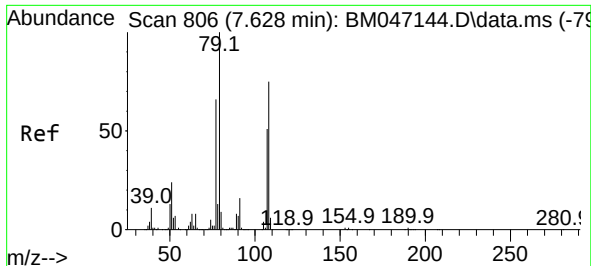
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#14
1,2-Dichlorobenzene
Concen: 8.189 ng
RT: 7.710 min Scan# 820
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

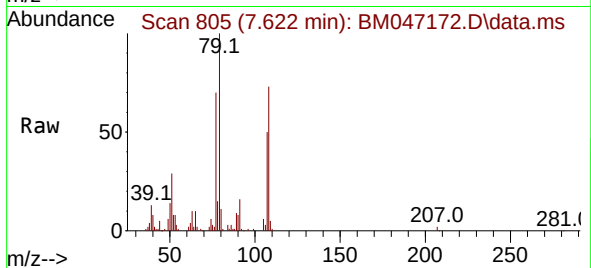
Tgt Ion:146 Resp: 103745
Ion Ratio Lower Upper
146 100
148 66.9 51.8 77.8
111 43.7 33.3 49.9





#15
Benzyl Alcohol
Concen: 7.476 ng
RT: 7.622 min Scan# 805
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

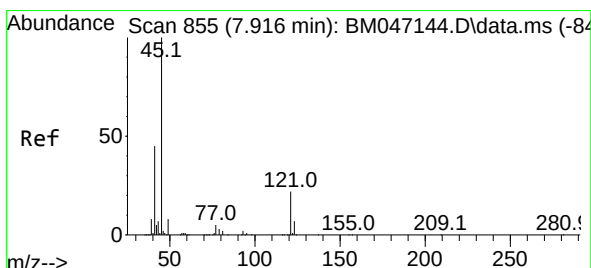
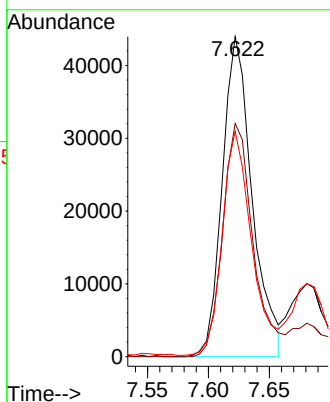
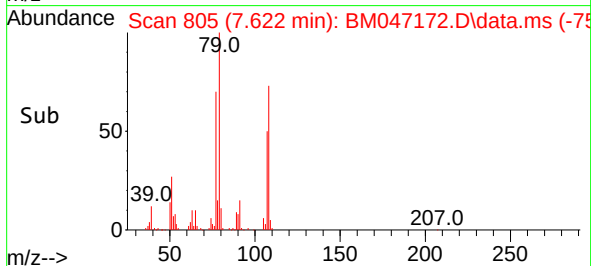
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



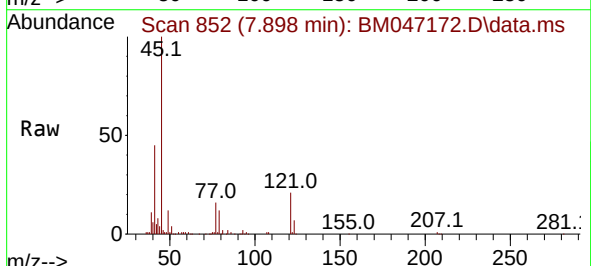
Tgt Ion: 79 Resp: 75018
Ion Ratio Lower Upper
79 100
108 72.8 59.7 89.5
77 70.4 52.9 79.3

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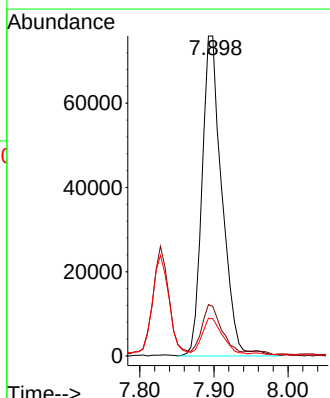
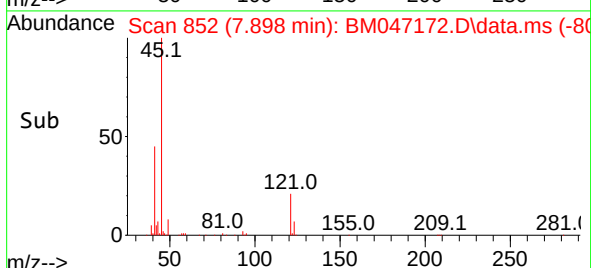
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

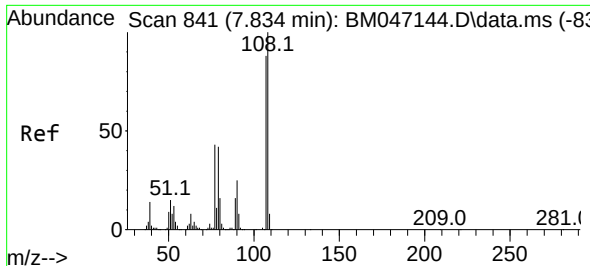


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.189 ng
RT: 7.898 min Scan# 852
Delta R.T. -0.018 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04



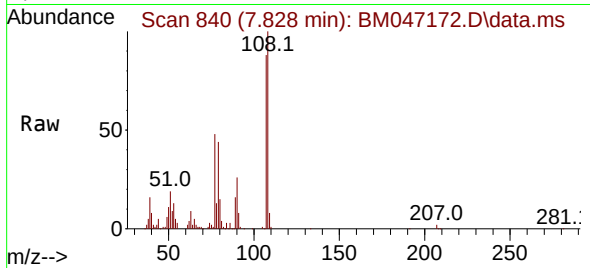
Tgt Ion: 45 Resp: 142055
Ion Ratio Lower Upper
45 100
77 15.5 0.0 35.6
79 11.7 0.0 32.4





#17
2-Methylphenol
Concen: 7.841 ng
RT: 7.828 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

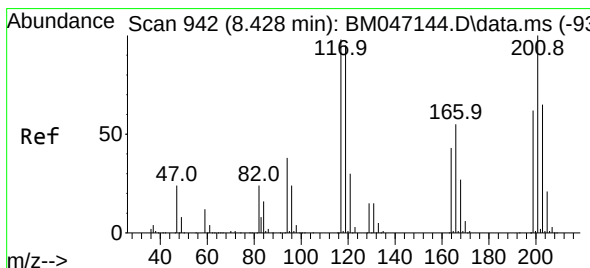
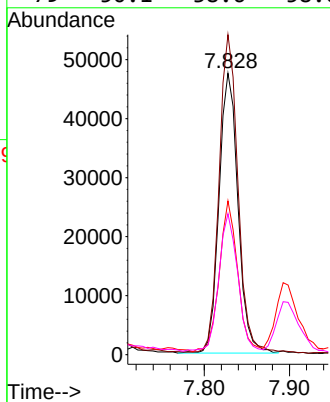
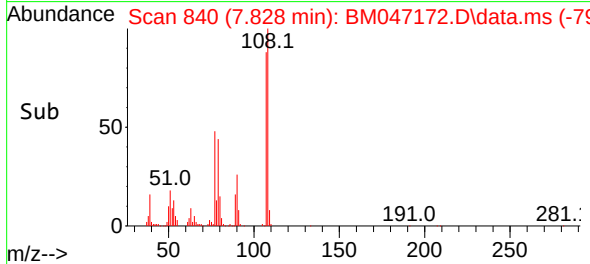
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:	107	Resp:	73594
Ion	Ratio	Lower	Upper
107	100		
108	113.7	90.6	135.8
77	54.6	39.3	58.9
79	50.1	38.6	58.0

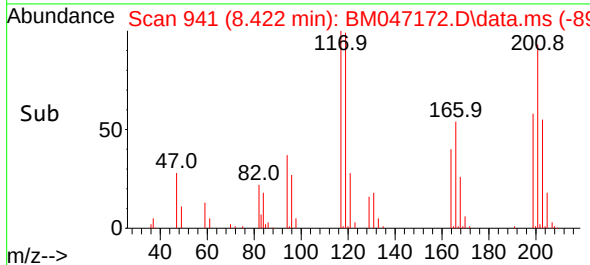
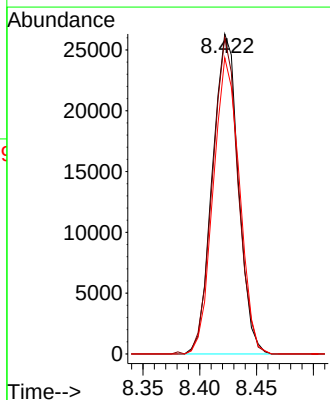
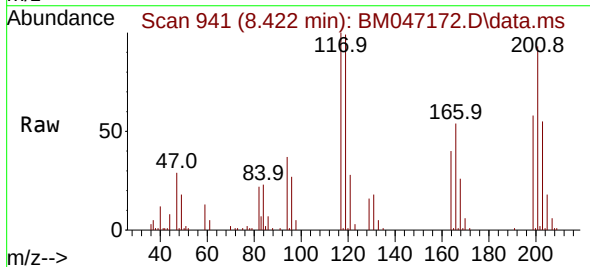
Manual Integrations
APPROVED

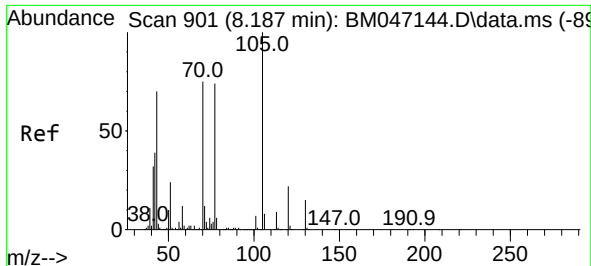
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#18
Hexachloroethane
Concen: 8.018 ng
RT: 8.422 min Scan# 941
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

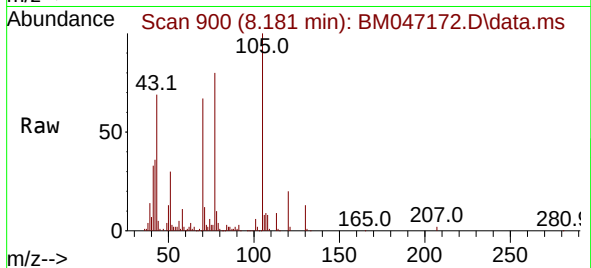
Tgt Ion:	117	Resp:	41703
Ion	Ratio	Lower	Upper
117	100		
119	98.8	77.0	115.4
201	94.3	81.3	121.9





#19
n-Nitroso-di-n-propylamine
Concen: 8.578 ng
RT: 8.181 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

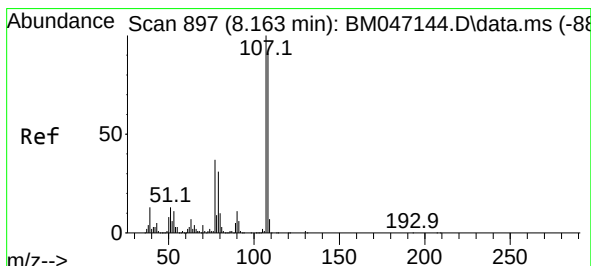
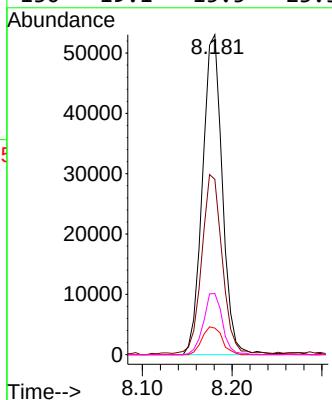
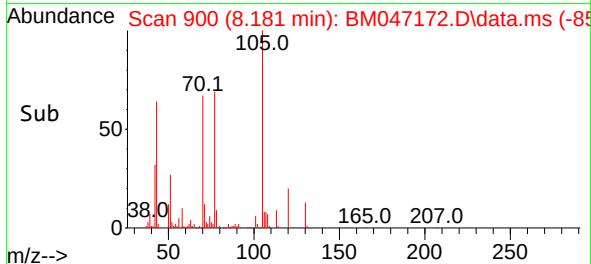
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion: 70 Resp: 8146
Ion Ratio Lower Upper
70 100
42 54.8 42.0 63.0
101 8.3 7.2 10.8
130 19.1 15.5 23.3

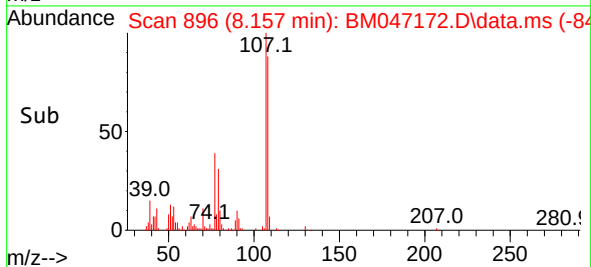
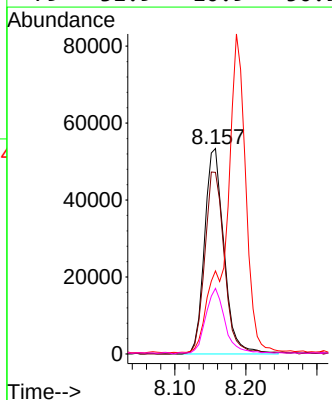
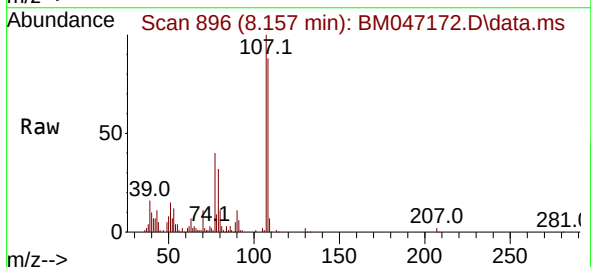
Manual Integrations
APPROVED

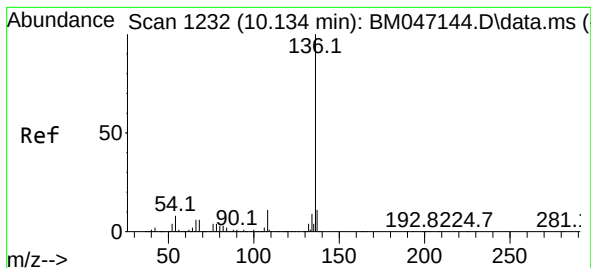
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#20
3+4-Methylphenols
Concen: 7.762 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

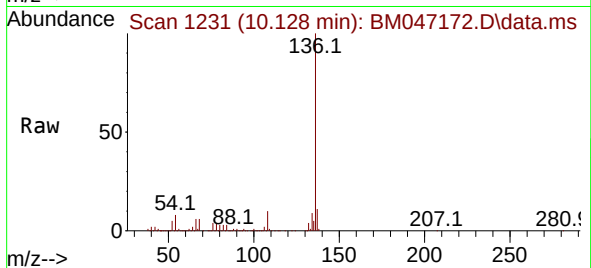
Tgt Ion:107 Resp: 101845
Ion Ratio Lower Upper
107 100
108 88.4 70.7 110.7
77 40.4 17.4 57.4
79 31.9 10.9 50.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

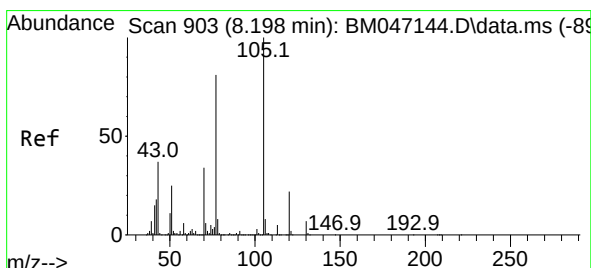
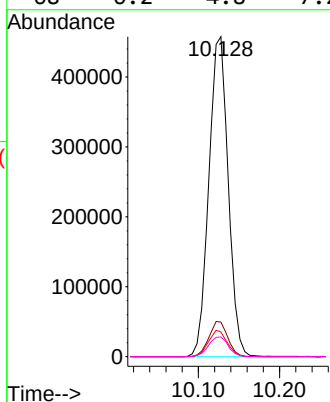
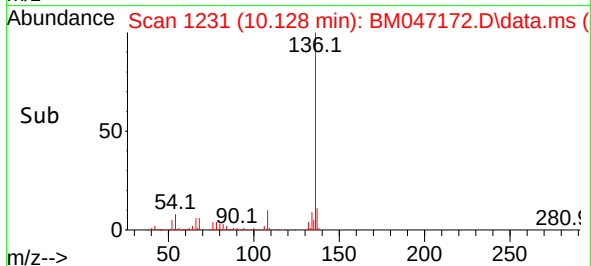
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



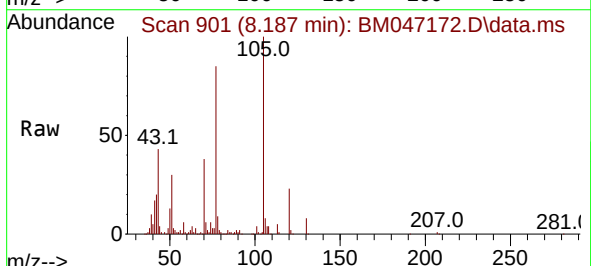
Tgt Ion:136 Resp: 757219
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.7 6.0 9.0
68 6.2 4.8 7.2

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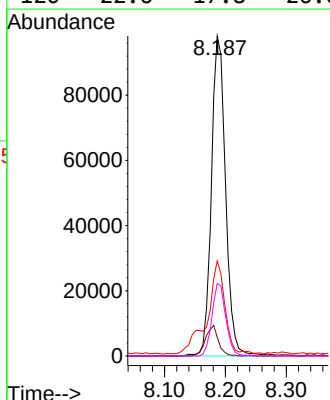
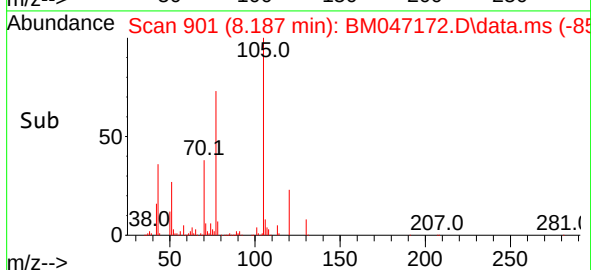
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

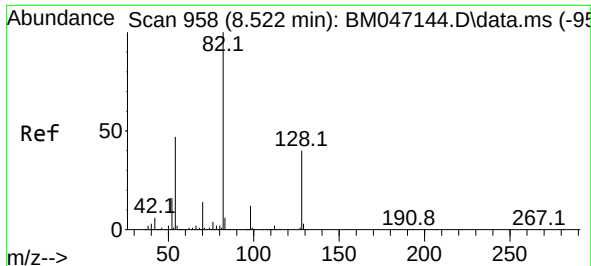


#22
Acetophenone
Concen: 8.707 ng
RT: 8.187 min Scan# 901
Delta R.T. -0.012 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04



Tgt Ion:105 Resp: 159146
Ion Ratio Lower Upper
105 100
71 5.8 4.5 6.7
51 29.7 20.1 30.1
120 22.6 17.8 26.6





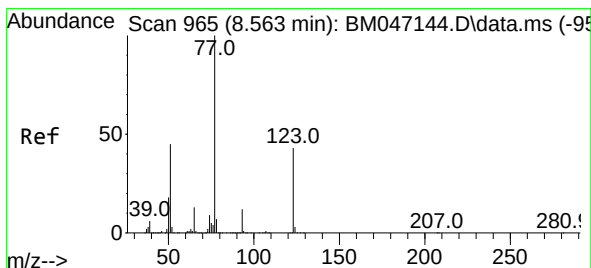
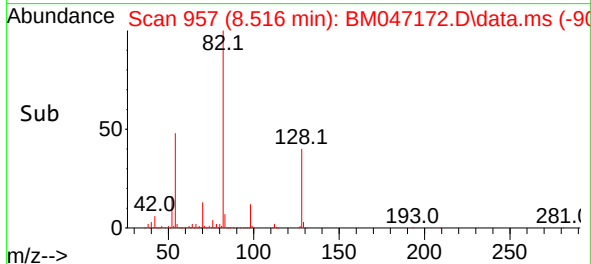
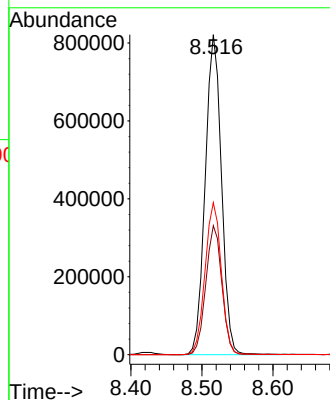
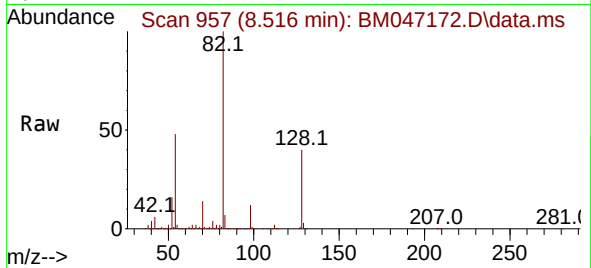
#23
Nitrobenzene-d5
Concen: 86.981 ng
RT: 8.516 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024

Tgt Ion: 82 Resp: 130803
Ion Ratio Lower Upper
82 100
128 40.3 32.3 48.5
54 47.5 37.4 56.2

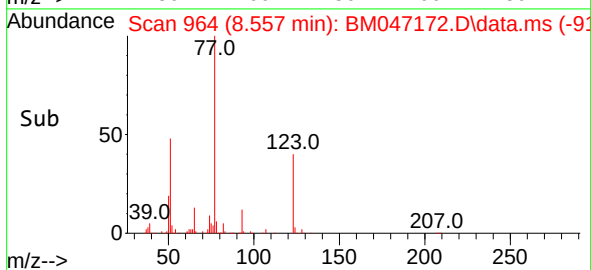
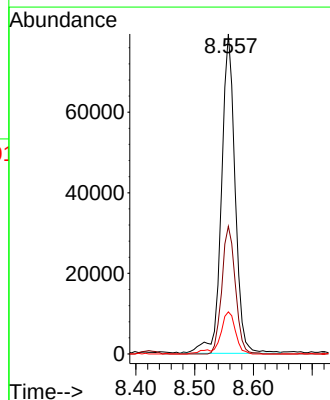
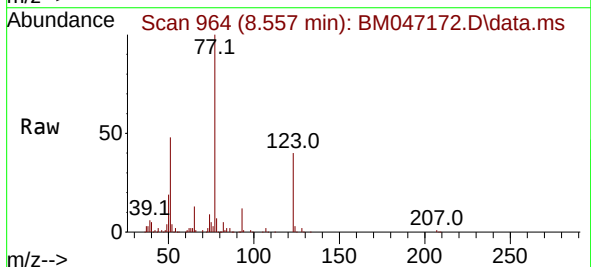
Manual Integrations
APPROVED

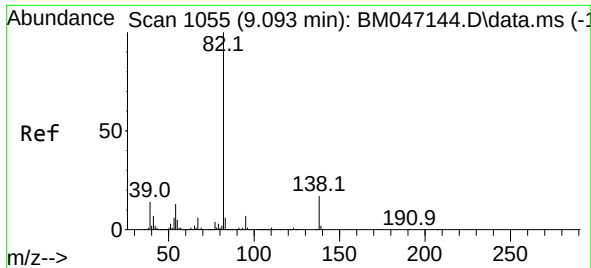
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#24
Nitrobenzene
Concen: 8.477 ng
RT: 8.557 min Scan# 964
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

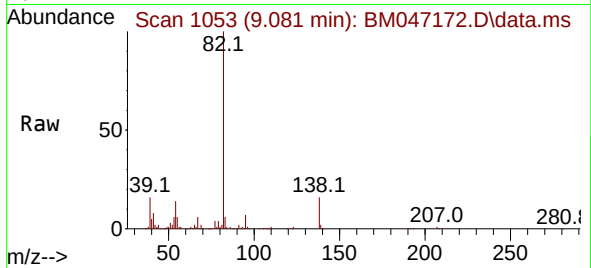
Tgt Ion: 77 Resp: 128365
Ion Ratio Lower Upper
77 100
123 39.9 34.0 51.0
65 13.2 10.5 15.7





#25
Isophorone
Concen: 8.159 ng
RT: 9.081 min Scan# 1053
Delta R.T. -0.012 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

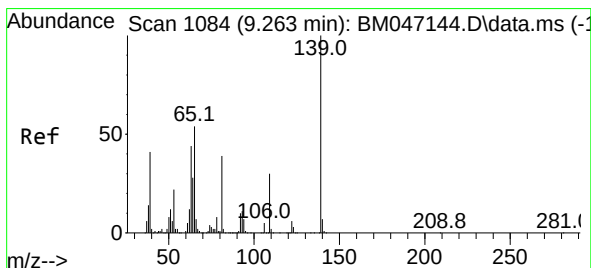
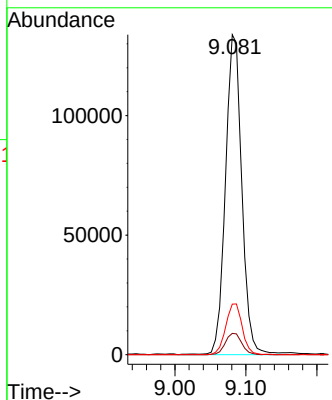
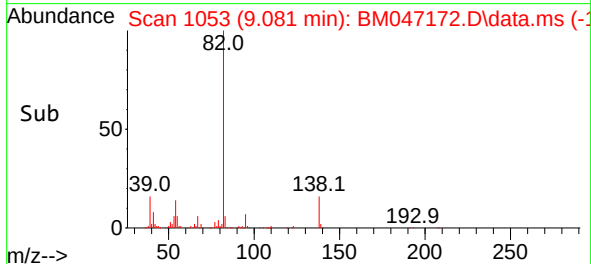
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



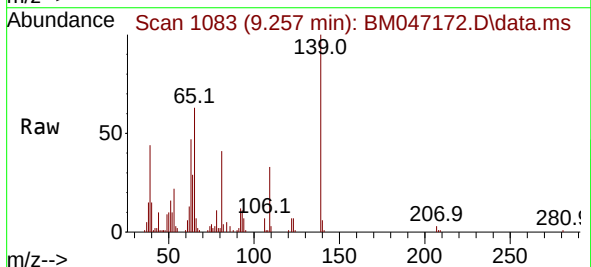
Tgt Ion: 82 Resp: 213640
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 15.8 13.5 20.3

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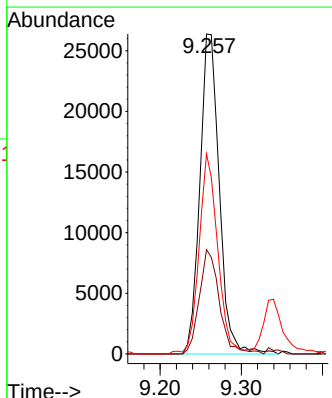
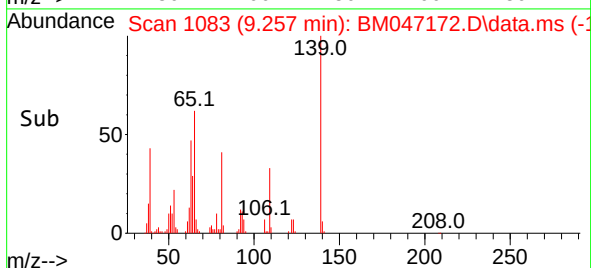
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

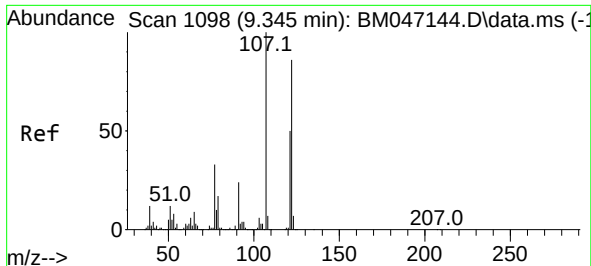


#26
2-Nitrophenol
Concen: 6.535 ng
RT: 9.257 min Scan# 1083
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04



Tgt Ion:139 Resp: 43823
Ion Ratio Lower Upper
139 100
109 32.6 24.4 36.6
65 62.6 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 8.008 ng

RT: 9.339 min Scan# 1098

Delta R.T. -0.006 min

Lab File: BM047172.D

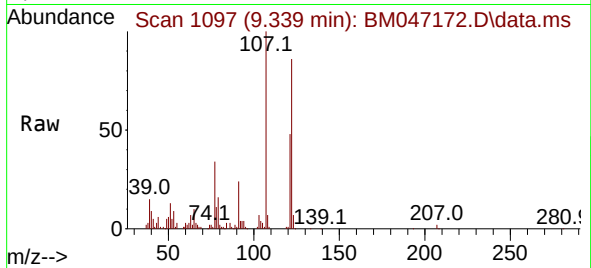
Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024



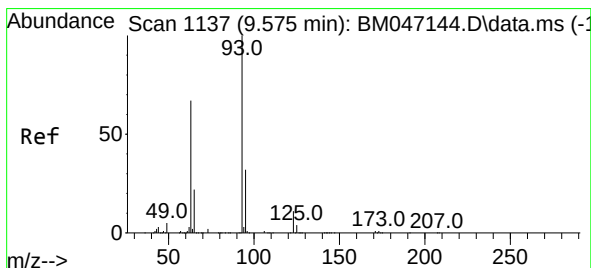
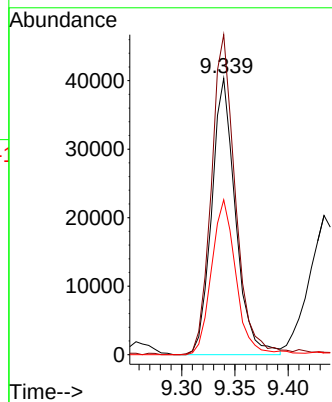
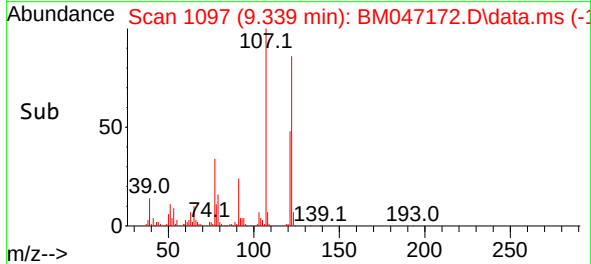
Tgt Ion:	122	Resp:	6290
Ion	Ratio	Lower	Upper
122	100		
107	115.8	92.8	139.2
121	56.0	46.1	69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#28

bis(2-Chloroethoxy)methane

Concen: 8.226 ng

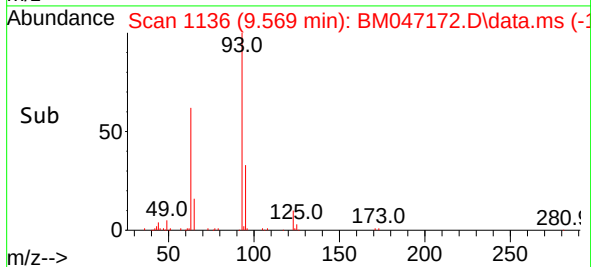
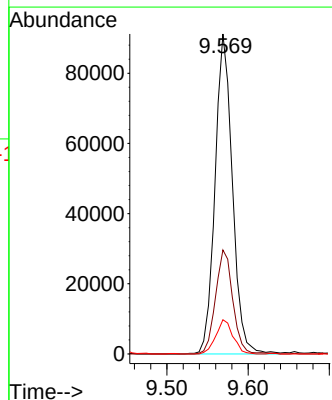
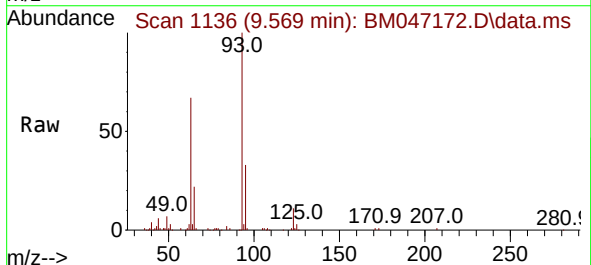
RT: 9.569 min Scan# 1136

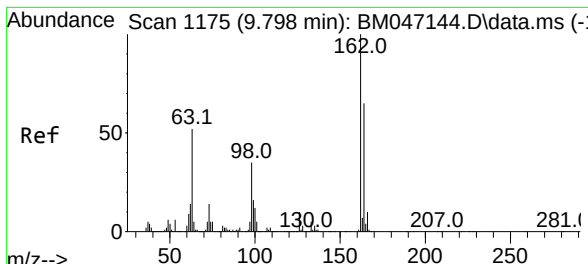
Delta R.T. -0.006 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

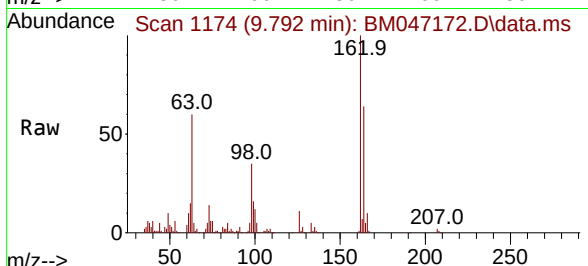
Tgt Ion:	93	Resp:	135532
Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	10.7	9.0	13.4





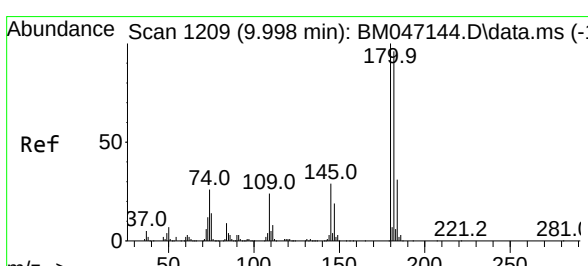
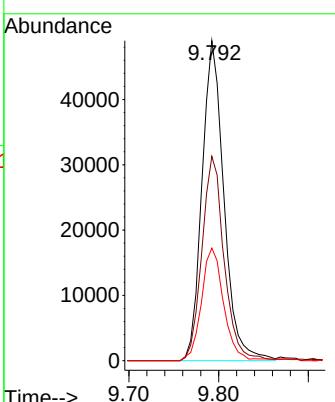
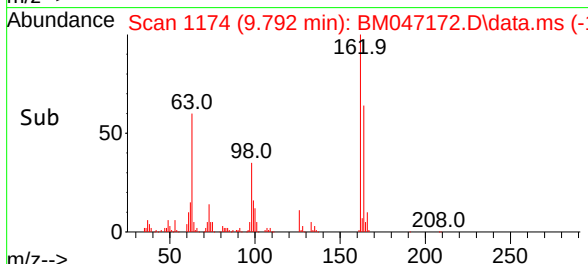
#29
2,4-Dichlorophenol
Concen: 7.130 ng
RT: 9.792 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT3-2024

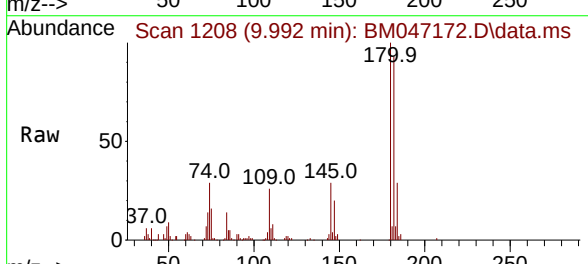


Tgt Ion:	162	Resp:	8310
Ion Ratio	Lower	Upper	
162	100		
164	63.9	44.7	84.7
98	35.2	14.9	54.9

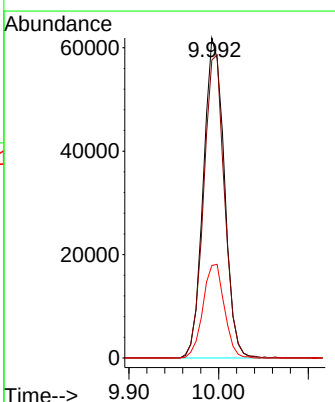
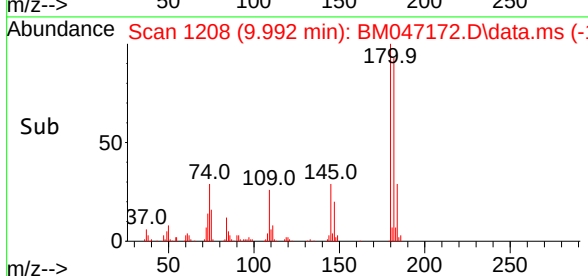
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

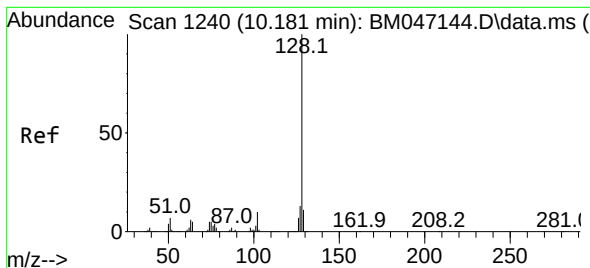


#30
1,2,4-Trichlorobenzene
Concen: 7.587 ng
RT: 9.992 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04



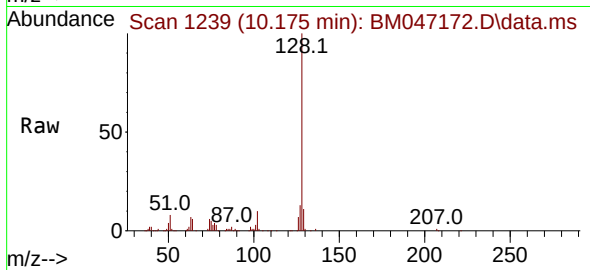
Tgt Ion:	180	Resp:	100081
Ion Ratio	Lower	Upper	
180	100		
182	93.1	76.6	115.0
145	28.9	23.4	35.2





#31
Naphthalene
Concen: 8.082 ng
RT: 10.175 min Scan# 1113
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

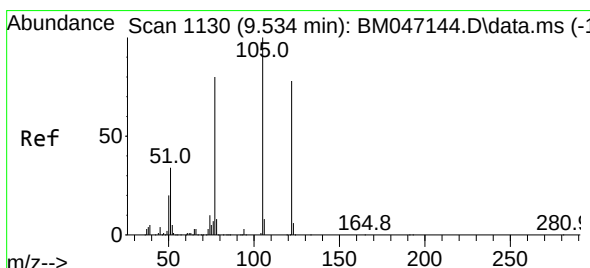
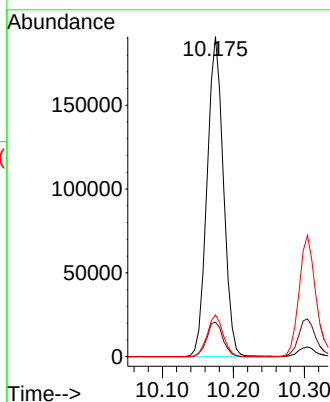
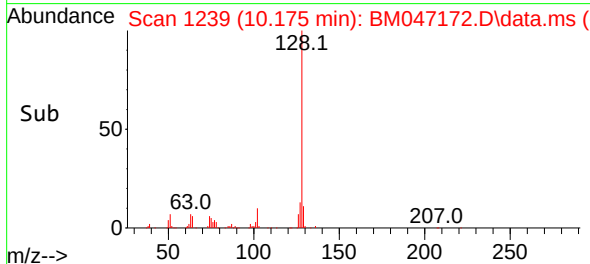
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



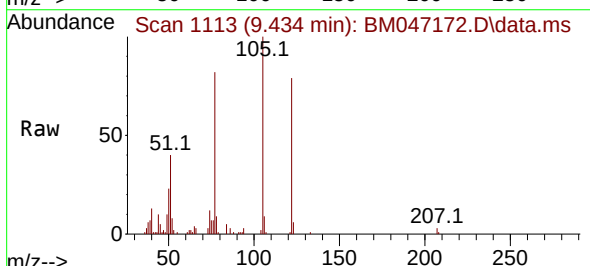
Tgt Ion:128 Resp: 304872
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.1 10.2 15.4

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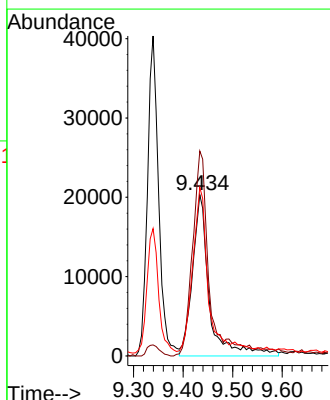
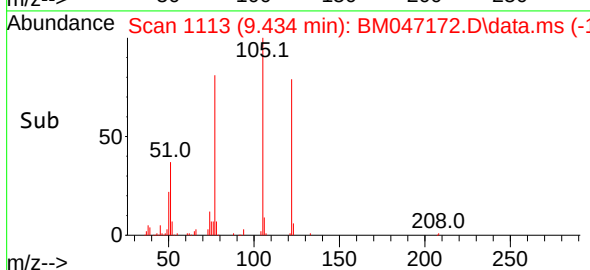
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

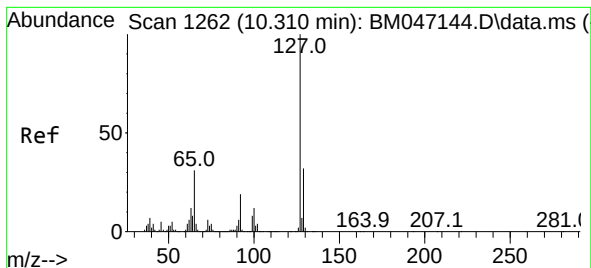


#32
Benzoic acid
Concen: 5.259 ng m
RT: 9.434 min Scan# 1113
Delta R.T. -0.100 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04



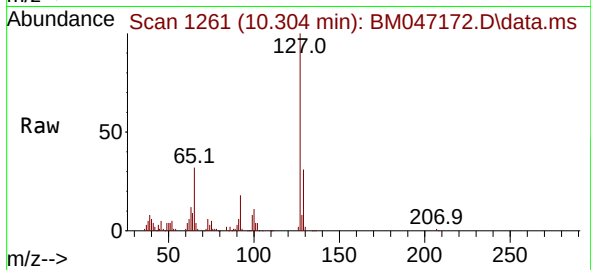
Tgt Ion:122 Resp: 47997
Ion Ratio Lower Upper
122 100
105 127.1 107.1 147.1
77 104.6 82.1 122.1





#33
4-Chloroaniline
Concen: 8.331 ng
RT: 10.304 min Scan# 1261
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

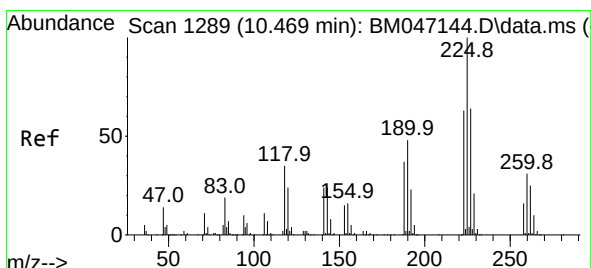
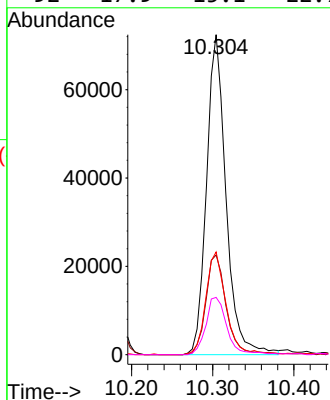
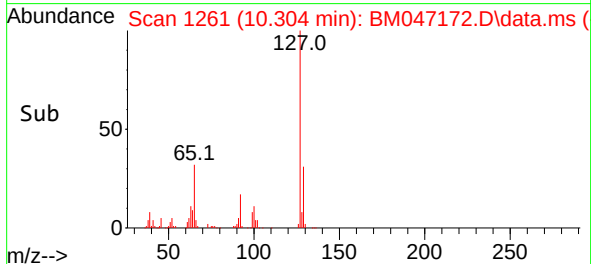
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.8	38.8
65	32.1	24.9	37.3
92	17.9	15.1	22.7

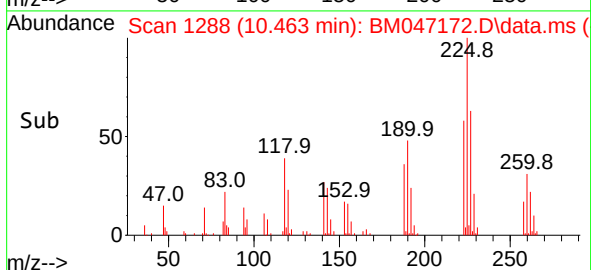
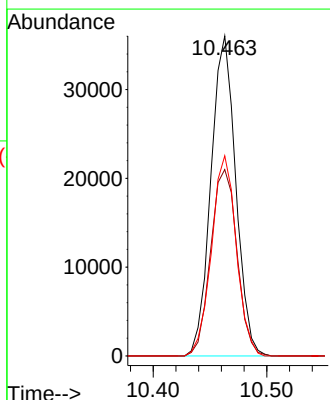
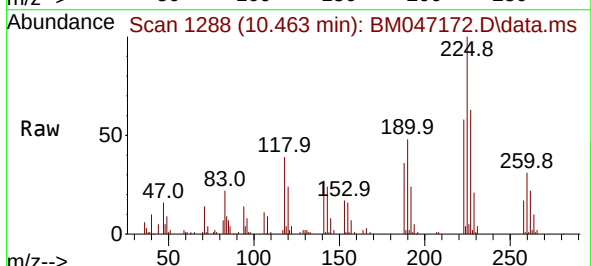
Manual Integrations
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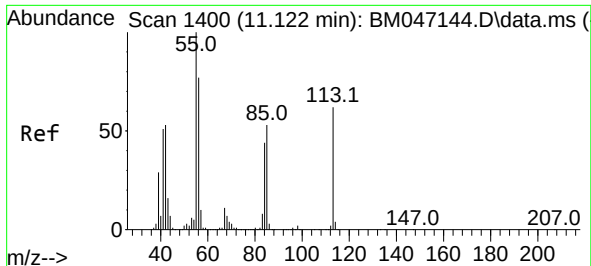
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#34
Hexachlorobutadiene
Concen: 7.090 ng
RT: 10.463 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

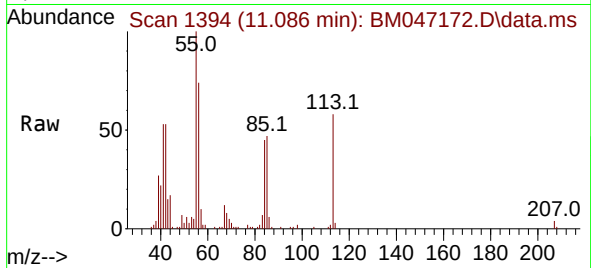
Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.2	50.2	75.2
227	62.6	51.4	77.0





#35
 Caprolactam
 Concen: 6.900 ng
 RT: 11.086 min Scan# 113
 Delta R.T. -0.035 min
 Lab File: BM047172.D
 Acq: 13 Aug 2024 13:04

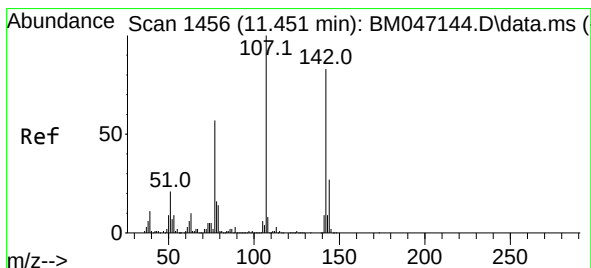
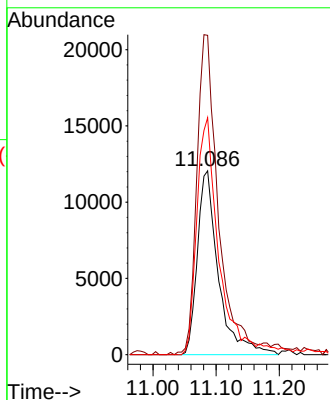
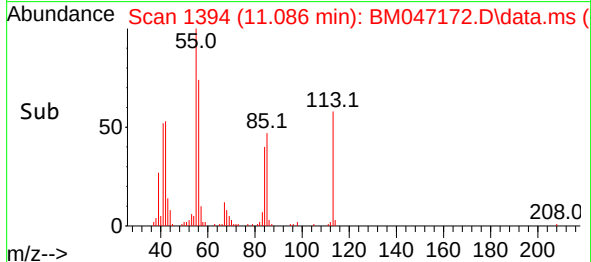
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2024



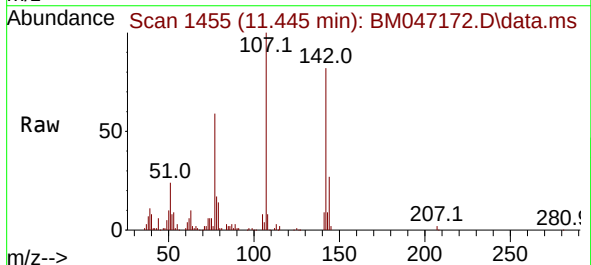
Tgt Ion:113 Resp: 27929
 Ion Ratio Lower Upper
 113 100
 55 173.8 140.5 180.5
 56 129.0 103.6 143.6

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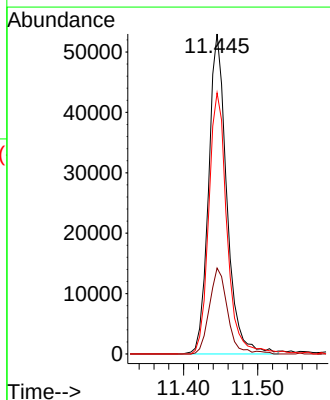
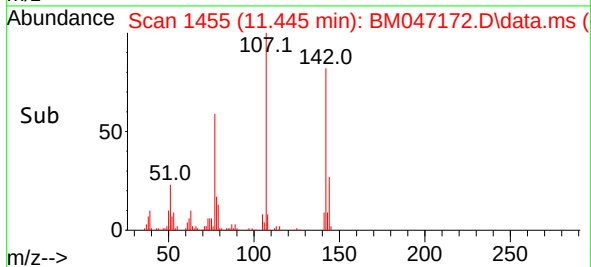
Reviewed By :Yogesh Patel 08/14/2024
 Supervised By :mohammad ahmed 08/14/2024

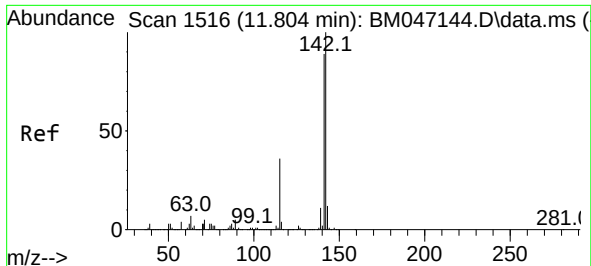


#36
 4-Chloro-3-methylphenol
 Concen: 7.280 ng
 RT: 11.445 min Scan# 1455
 Delta R.T. -0.006 min
 Lab File: BM047172.D
 Acq: 13 Aug 2024 13:04



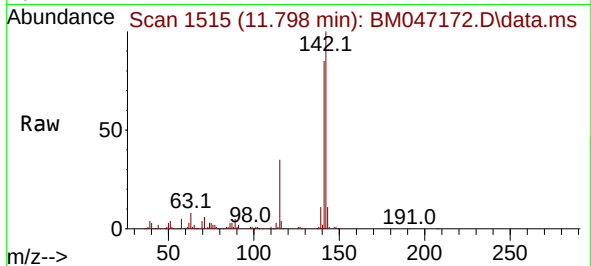
Tgt Ion:107 Resp: 90372
 Ion Ratio Lower Upper
 107 100
 144 26.8 21.8 32.6
 142 81.6 66.8 100.2





#37
2-Methylnaphthalene
Concen: 7.852 ng
RT: 11.798 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

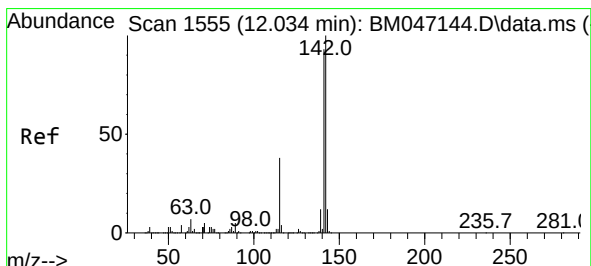
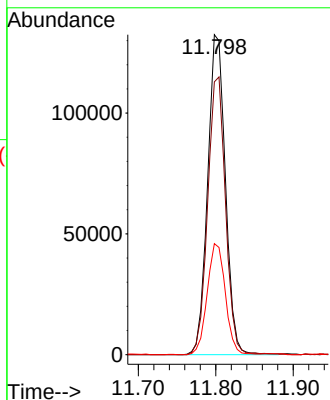
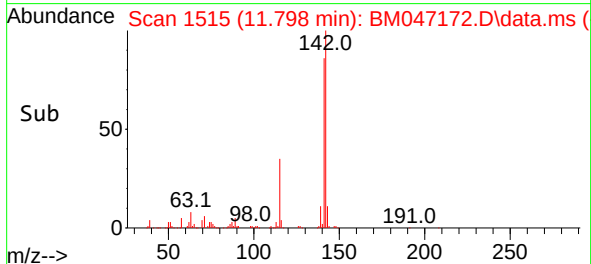
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



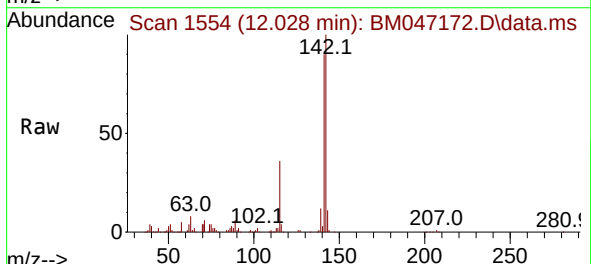
Tgt Ion:142 Resp: 21089
Ion Ratio Lower Upper
142 100
141 85.3 70.9 106.3
115 34.7 28.7 43.1

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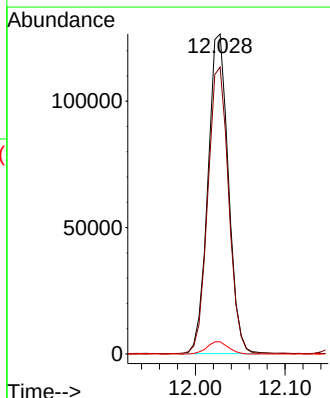
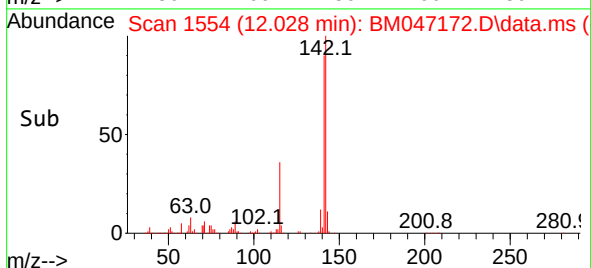
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

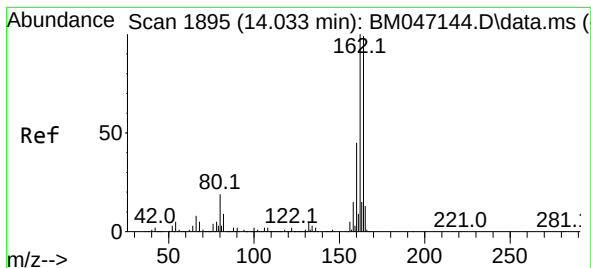


#38
1-Methylnaphthalene
Concen: 7.547 ng
RT: 12.028 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04



Tgt Ion:142 Resp: 200326
Ion Ratio Lower Upper
142 100
141 89.6 74.6 111.8
116 3.8 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.027 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM047172.D

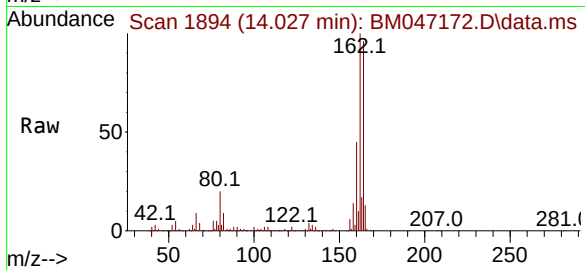
Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion:164 Resp: 50248

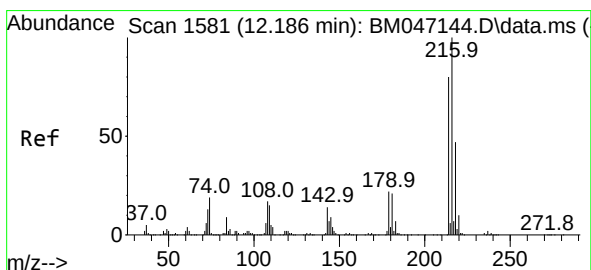
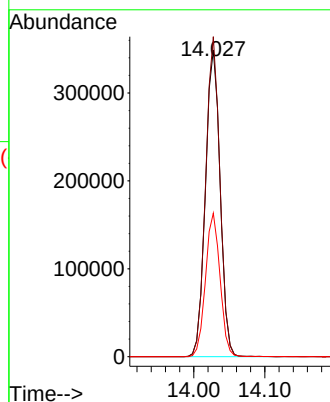
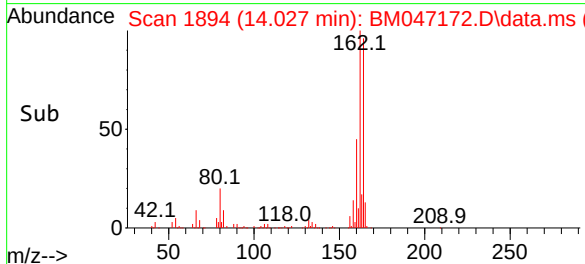
Ion	Ratio	Lower	Upper
164	100		
162	104.3	80.7	121.1
160	46.8	36.0	54.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.459 ng

RT: 12.180 min Scan# 1580

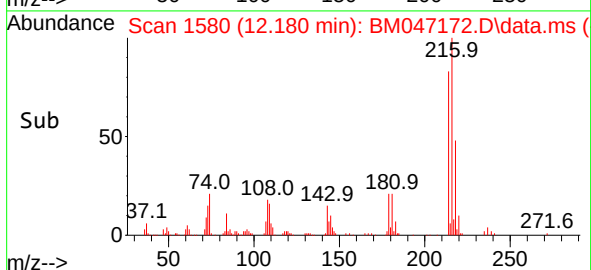
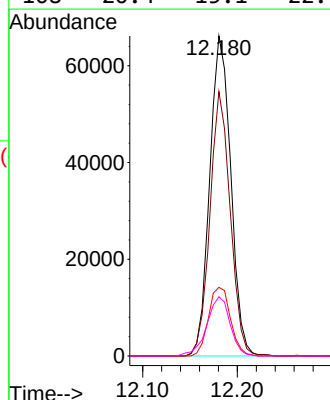
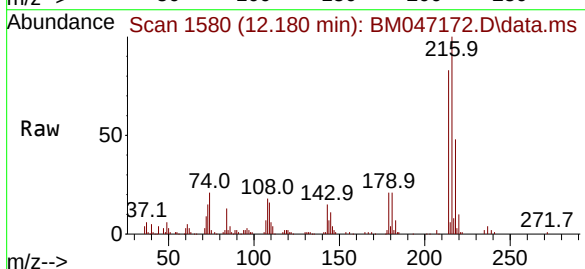
Delta R.T. -0.006 min

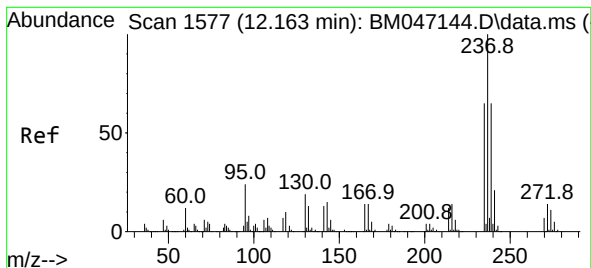
Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Tgt Ion:216 Resp: 102230

Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.4	95.2
179	22.4	17.6	26.4
108	20.4	15.1	22.7





#41

Hexachlorocyclopentadiene

Concen: 7.861 ng

RT: 12.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047172.D

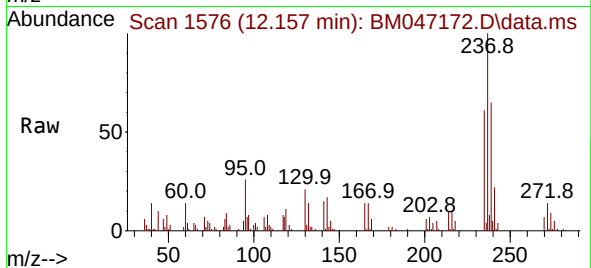
Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024



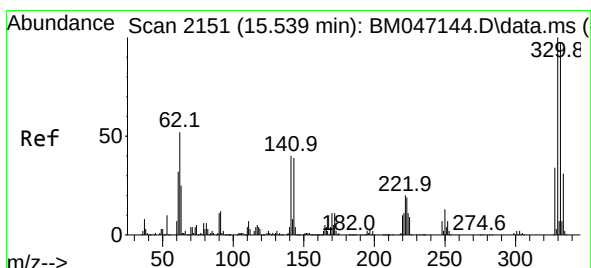
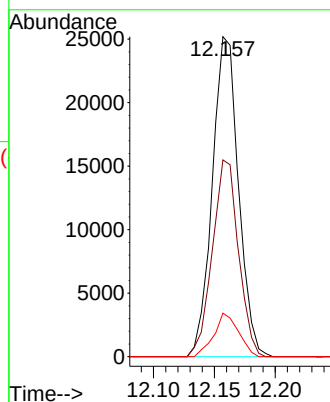
Tgt Ion:237	Resp:	37620
Ion Ratio	Lower	Upper
237	100	
235	61.5	44.8 84.8
272	13.6	0.0 33.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#42

2,4,6-Tribromophenol

Concen: 130.537 ng

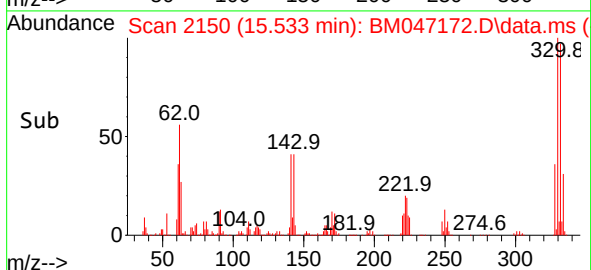
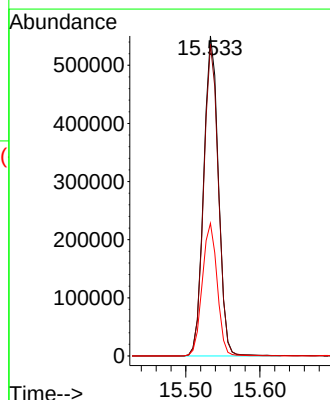
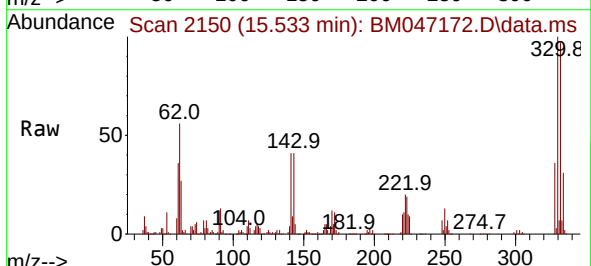
RT: 15.533 min Scan# 2150

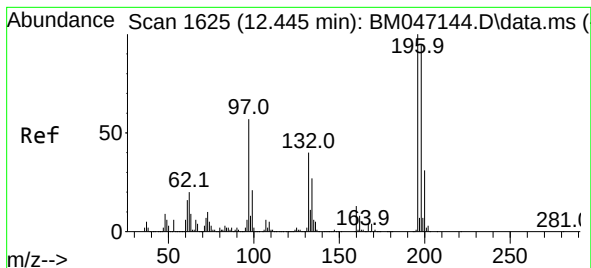
Delta R.T. -0.006 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Tgt Ion:330	Resp:	760565
Ion Ratio	Lower	Upper
330	100	
332	97.4	77.4 116.2
141	42.1	31.6 47.4





#43

2,4,6-Trichlorophenol

Concen: 6.670 ng

RT: 12.439 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047172.D

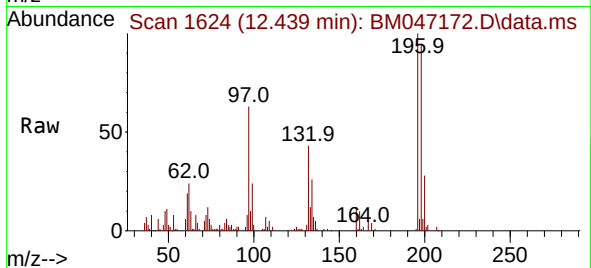
Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion:196 Resp: 6497

Ion Ratio Lower Upper

196 100

198 93.7 75.6 113.4

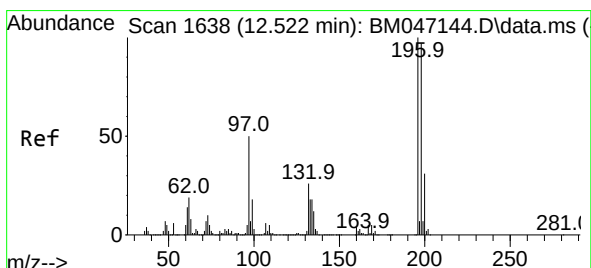
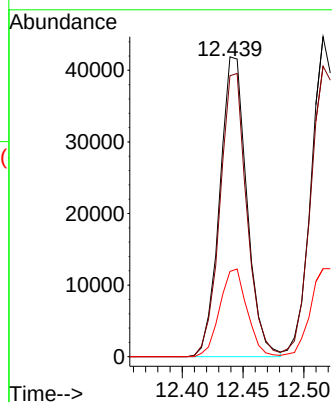
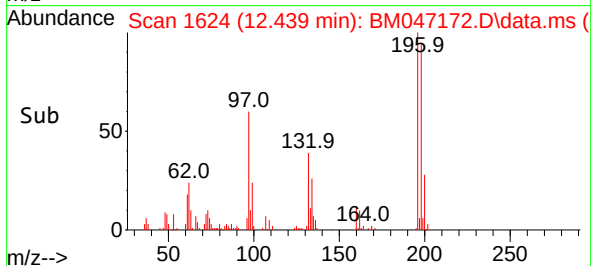
200 28.4 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#44

2,4,5-Trichlorophenol

Concen: 6.754 ng

RT: 12.516 min Scan# 1637

Delta R.T. -0.006 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Tgt Ion:196 Resp: 73052

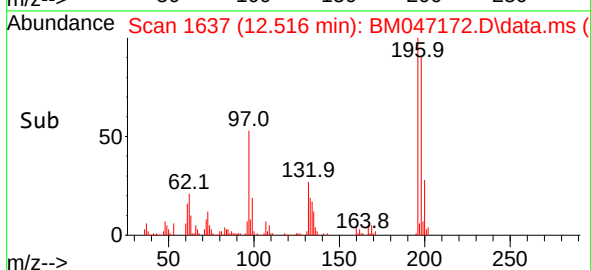
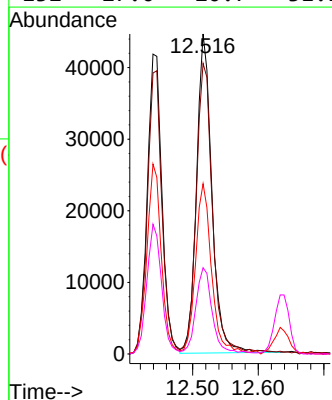
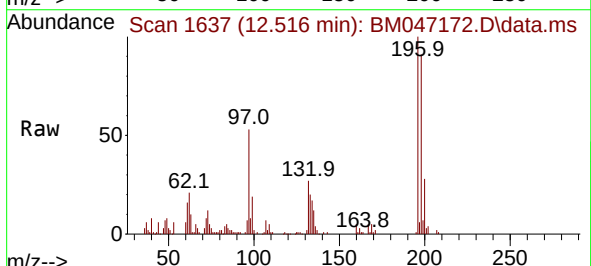
Ion Ratio Lower Upper

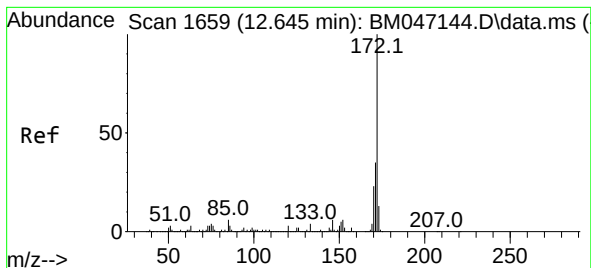
196 100

198 90.8 77.7 116.5

97 53.2 39.8 59.8

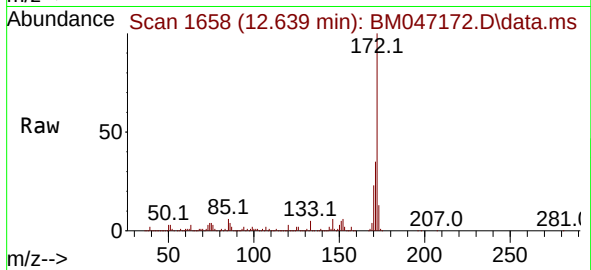
132 27.0 20.7 31.1





#45
2-Fluorobiphenyl
Concen: 81.825 ng
RT: 12.639 min Scan# 1658
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

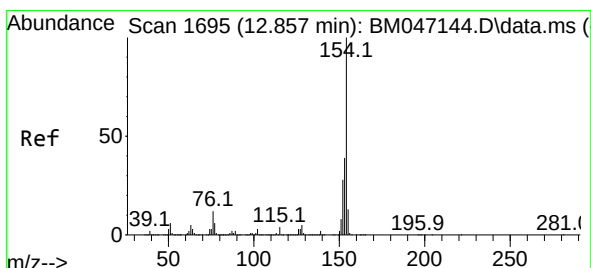
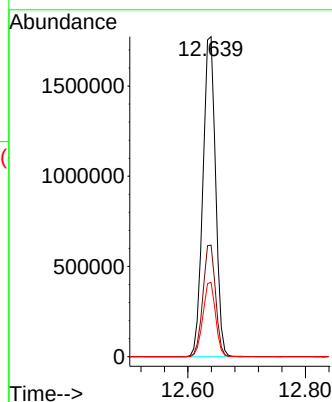
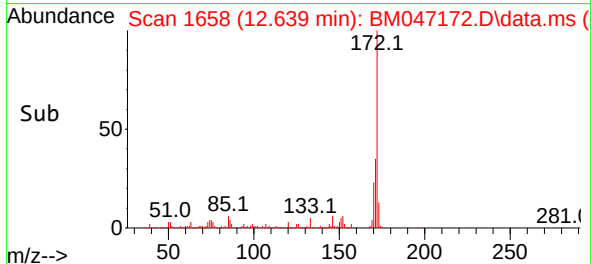
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



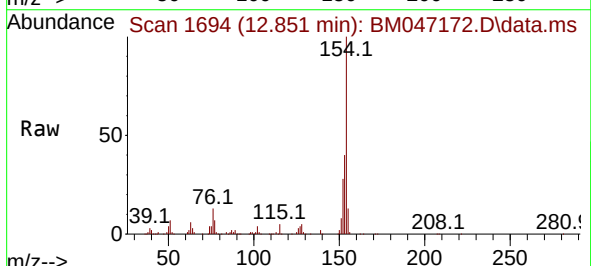
Tgt Ion:172 Resp: 2665500
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.2 18.7 28.1

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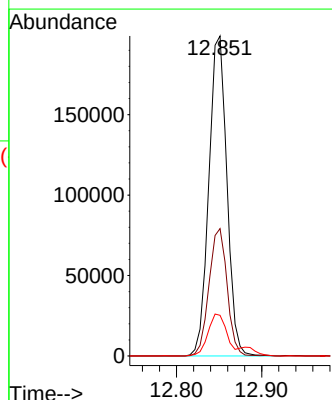
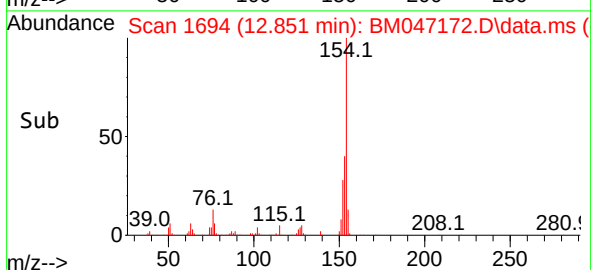
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

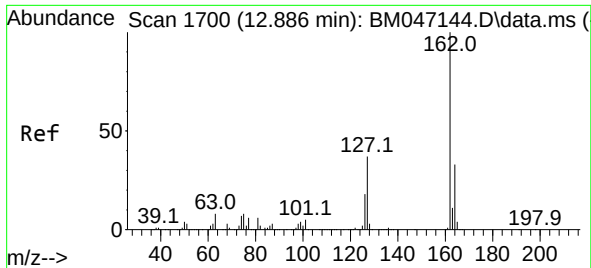


#46
1,1'-Biphenyl
Concen: 8.198 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04



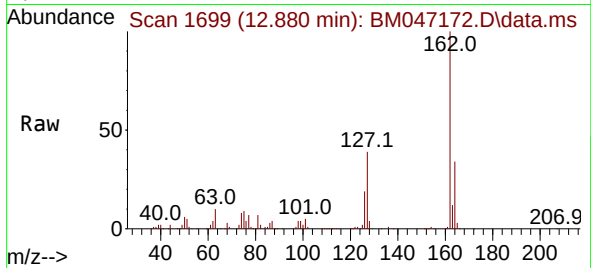
Tgt Ion:154 Resp: 293252
Ion Ratio Lower Upper
154 100
153 39.8 19.0 59.0
76 12.7 0.0 31.9





#47
2-Chloronaphthalene
Concen: 8.007 ng
RT: 12.880 min Scan# 1700
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

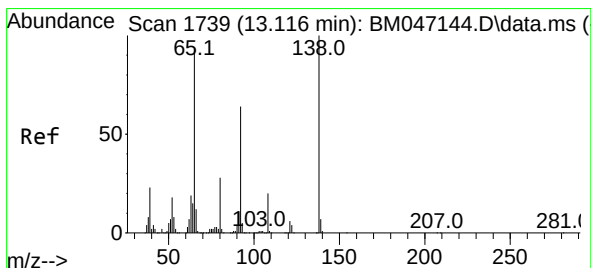
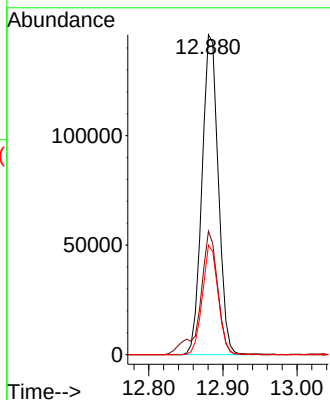
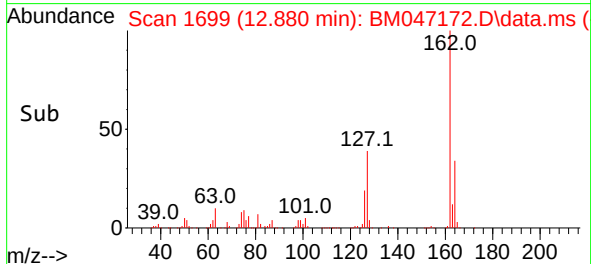
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:162 Resp: 223870
Ion Ratio Lower Upper
162 100
127 38.6 30.0 45.0
164 34.3 26.3 39.5

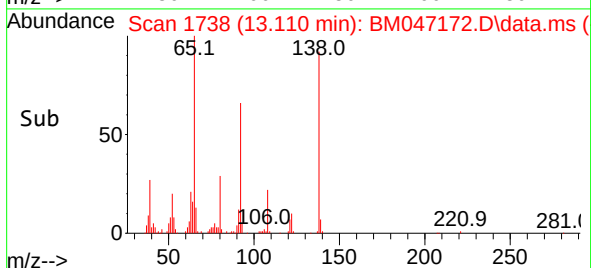
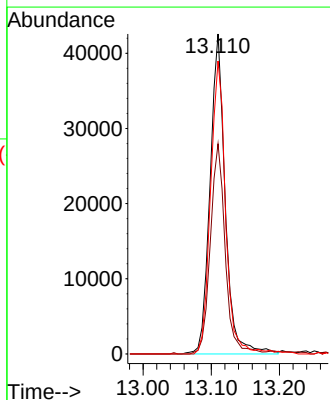
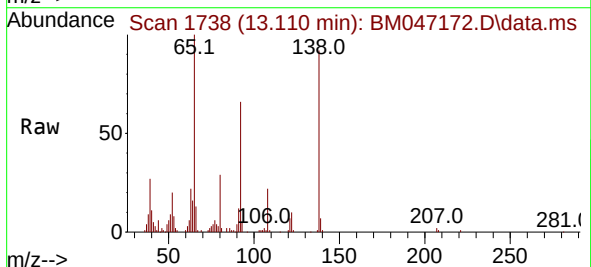
Manual Integrations
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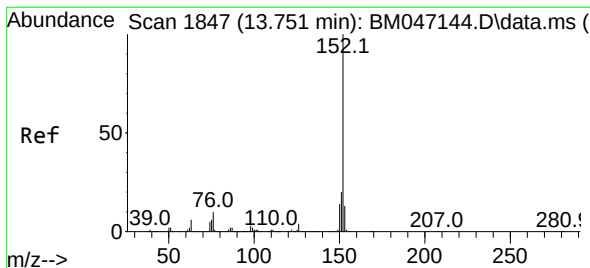
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#48
2-Nitroaniline
Concen: 7.545 ng
RT: 13.110 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

Tgt Ion: 65 Resp: 66086
Ion Ratio Lower Upper
65 100
92 65.7 55.1 82.7
138 91.6 85.9 128.9





#49

Acenaphthylene

Concen: 8.694 ng

RT: 13.745 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BM047172.D

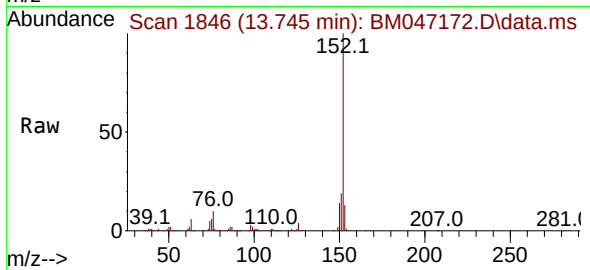
Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion:152 Resp: 35833

Ion Ratio Lower Upper

152 100

151 18.8 15.8 23.6

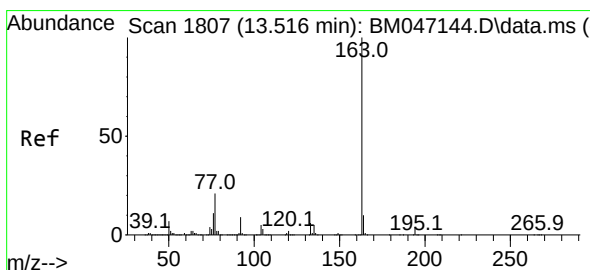
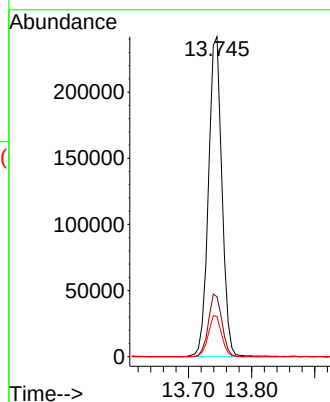
153 12.5 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#50

Dimethylphthalate

Concen: 8.136 ng

RT: 13.504 min Scan# 1805

Delta R.T. -0.012 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

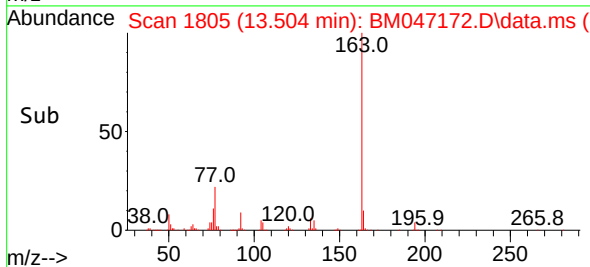
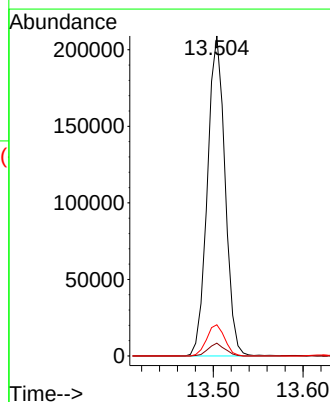
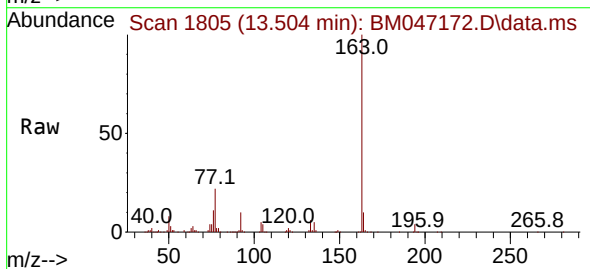
Tgt Ion:163 Resp: 285513

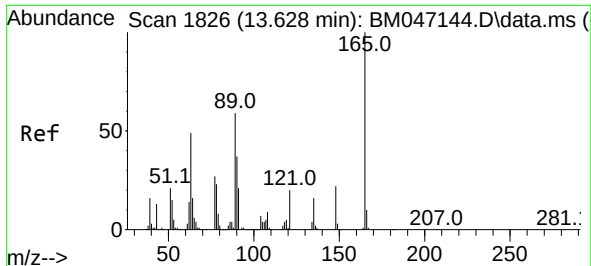
Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

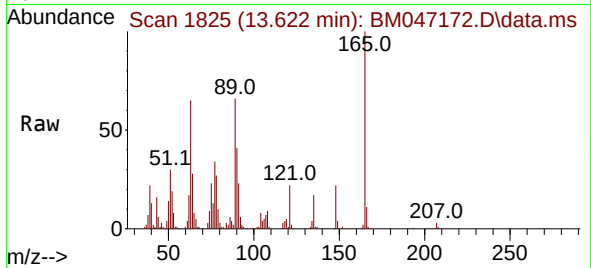
164 9.8 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 6.970 ng
RT: 13.622 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

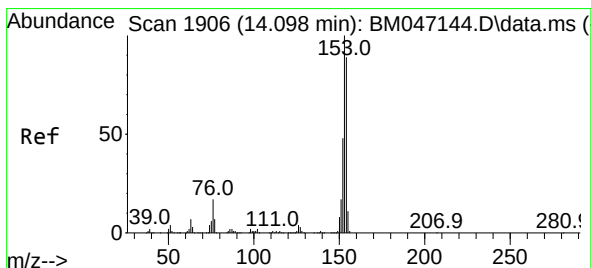
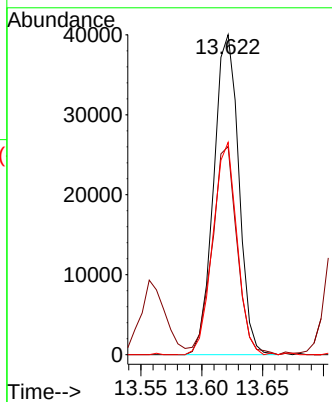
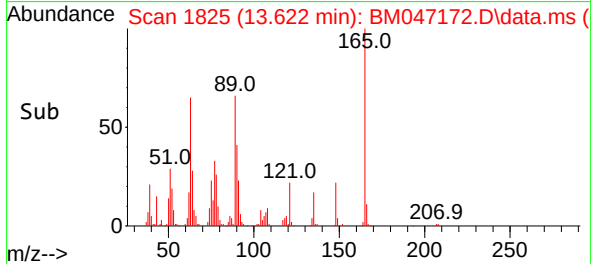
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:165 Resp: 57178
Ion Ratio Lower Upper
165 100
63 65.0 46.5 69.7
89 66.4 47.3 70.9

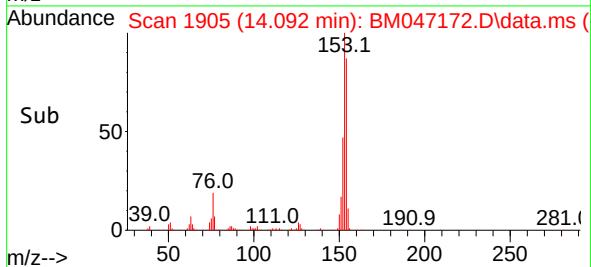
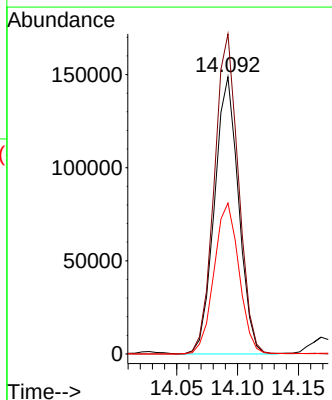
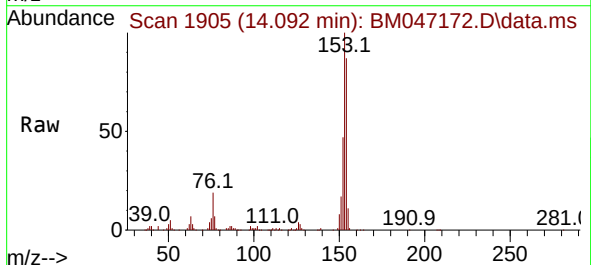
Manual Integrations
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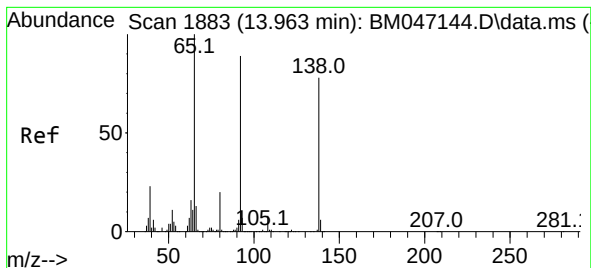
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#52
Acenaphthene
Concen: 7.861 ng
RT: 14.092 min Scan# 1905
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

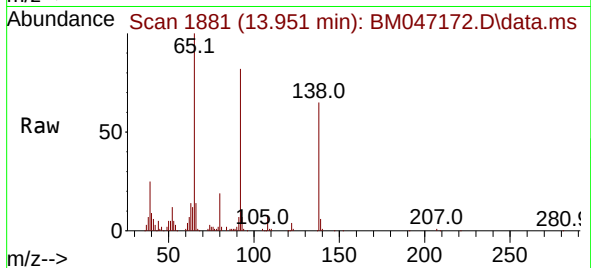
Tgt Ion:154 Resp: 205513
Ion Ratio Lower Upper
154 100
153 115.5 90.3 135.5
152 54.5 42.9 64.3





#53
3-Nitroaniline
Concen: 7.251 ng
RT: 13.951 min Scan# 1881
Delta R.T. -0.012 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

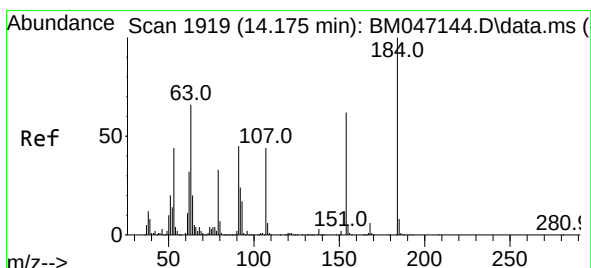
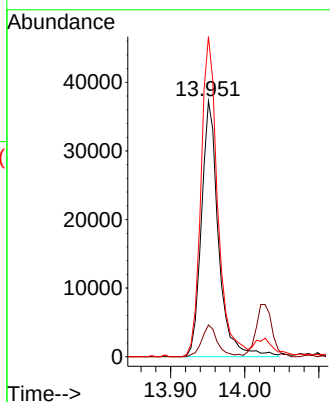
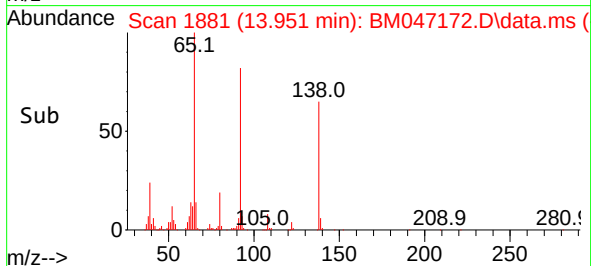
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



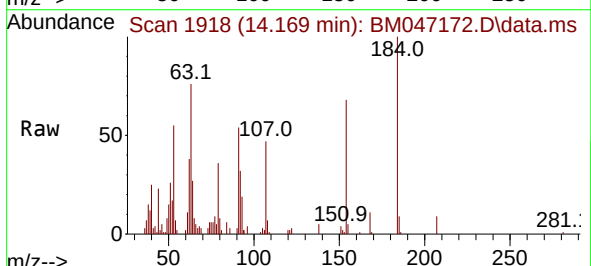
Tgt Ion:138 Resp: 59610
Ion Ratio Lower Upper
138 100
108 12.4 7.9 11.9
92 125.3 92.0 138.0

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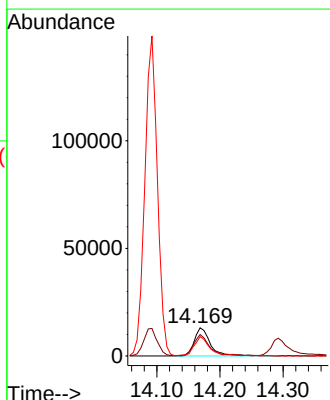
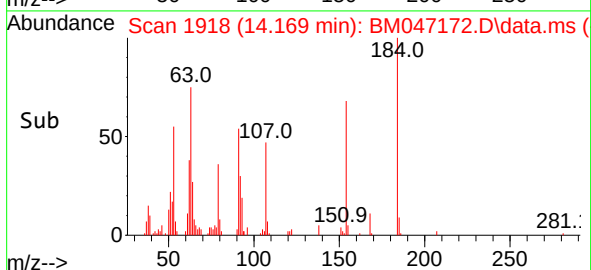
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

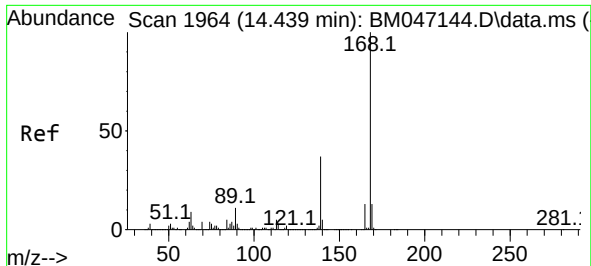


#54
2,4-Dinitrophenol
Concen: 4.650 ng
RT: 14.169 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04



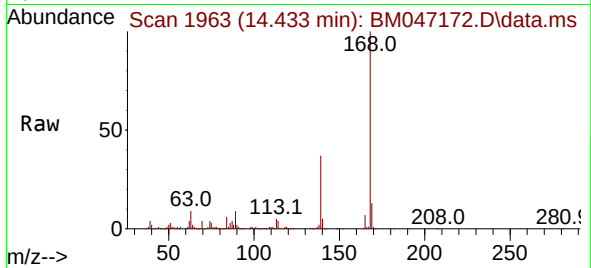
Tgt Ion:184 Resp: 22865
Ion Ratio Lower Upper
184 100
63 75.9 52.7 79.1
154 68.5 50.4 75.6





#55
Dibenzenofuran
Concen: 8.603 ng
RT: 14.433 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

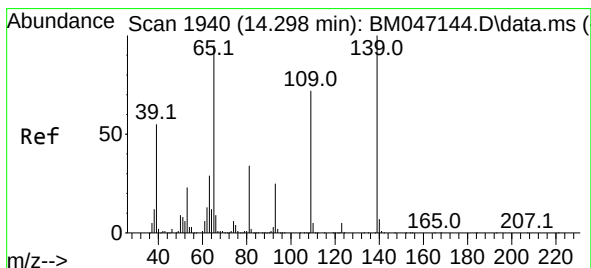
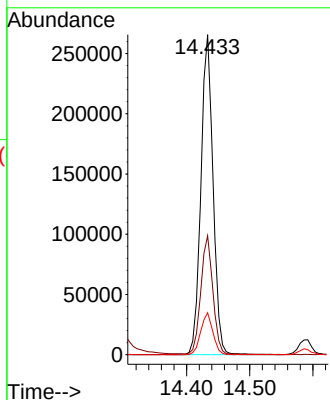
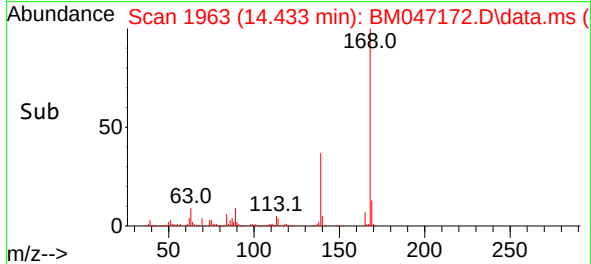
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:168 Resp: 355269
Ion Ratio Lower Upper
168 100
139 37.1 29.6 44.4
169 13.1 10.7 16.1

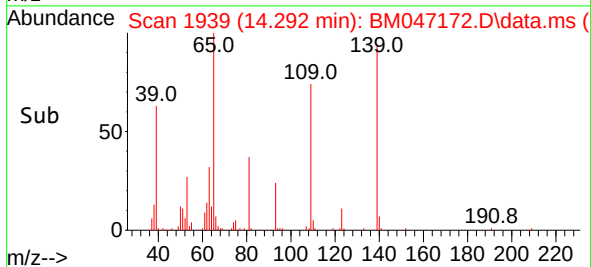
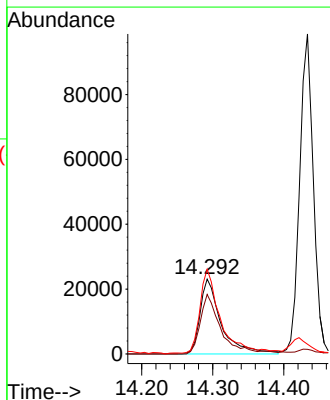
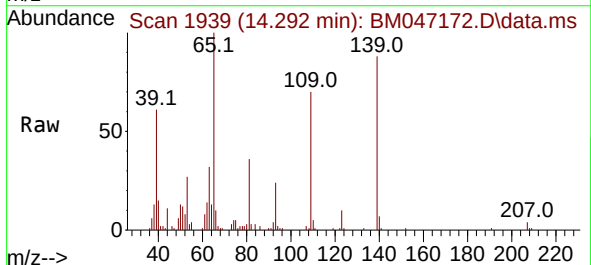
Manual Integrations
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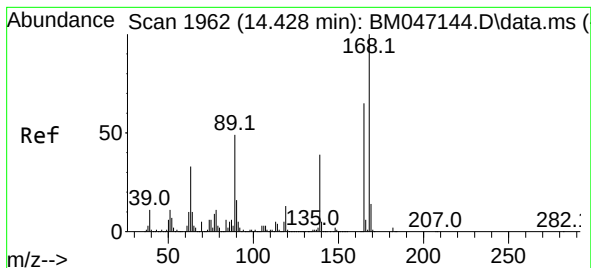
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#56
4-Nitrophenol
Concen: 6.735 ng
RT: 14.292 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

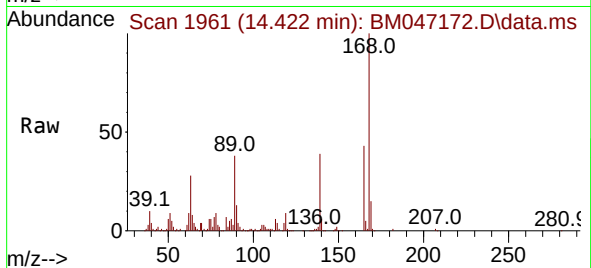
Tgt Ion:139 Resp: 47742
Ion Ratio Lower Upper
139 100
109 79.5 52.5 92.5
65 113.3 75.4 115.4





#57
2,4-Dinitrotoluene
Concen: 6.908 ng
RT: 14.422 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

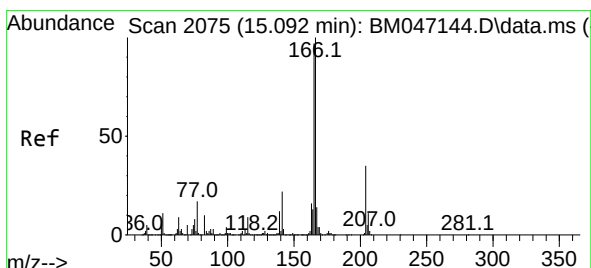
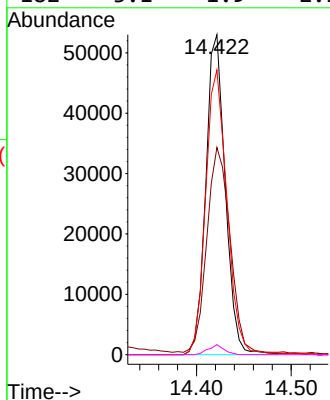
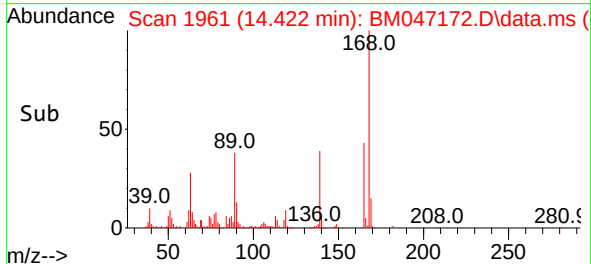
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:165 Resp: 7563
Ion Ratio Lower Upper
165 100
63 64.8 40.3 60.5
89 89.0 61.0 91.6
182 3.1 1.9 2.9#

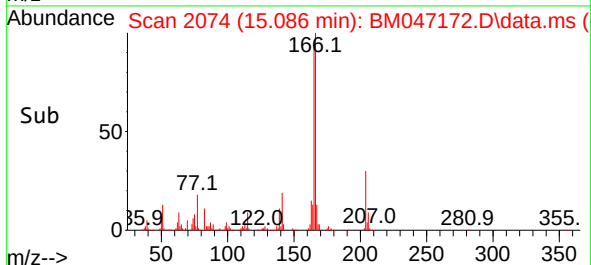
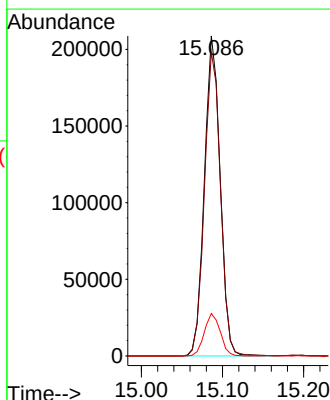
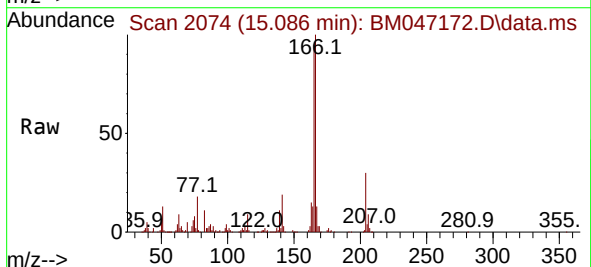
Manual Integrations
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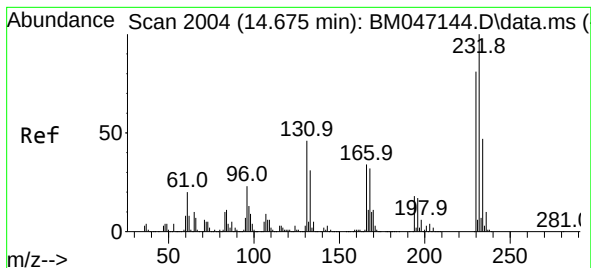
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#58
Fluorene
Concen: 8.262 ng
RT: 15.086 min Scan# 2074
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

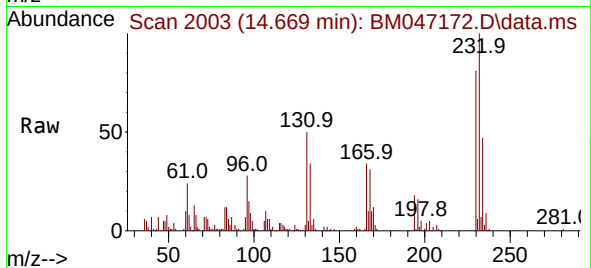
Tgt Ion:166 Resp: 281509
Ion Ratio Lower Upper
166 100
165 95.0 77.4 116.0
167 13.3 11.0 16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.316 ng
RT: 14.669 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

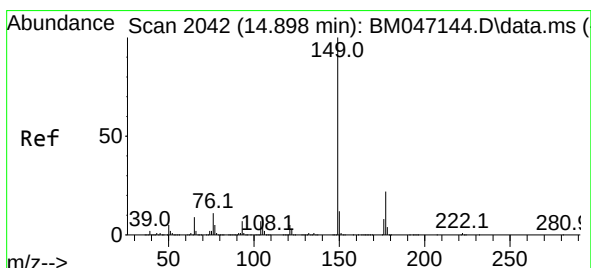
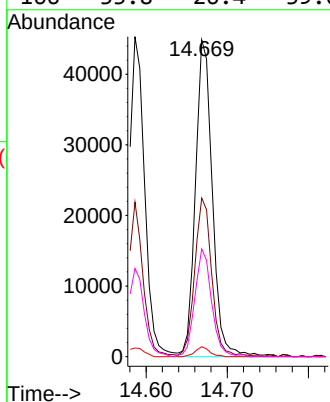
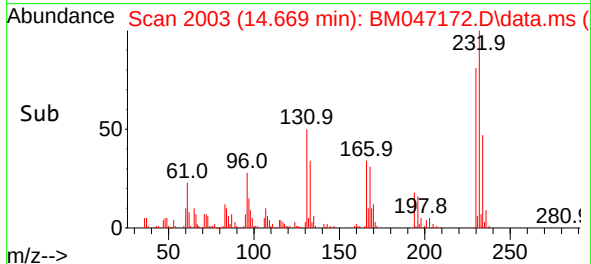
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



Tgt Ion:232 Resp: 65030
Ion Ratio Lower Upper
232 100
131 50.7 36.9 55.3
130 2.7 2.0 3.0
166 33.8 26.4 39.6

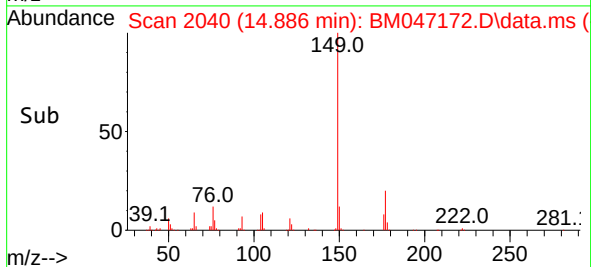
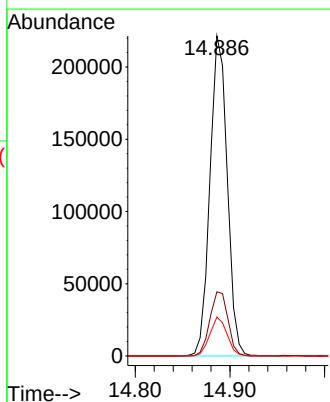
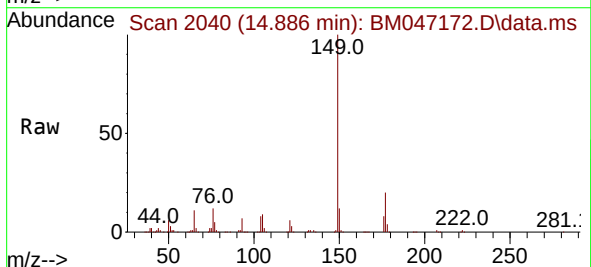
Manual Integrations
APPROVED

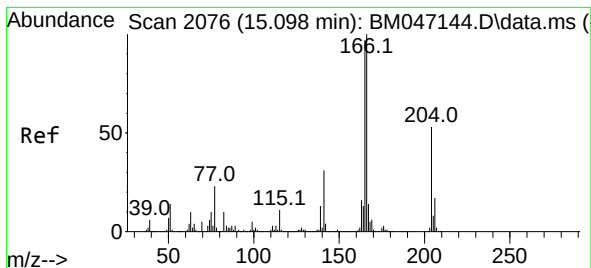
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#60
Diethylphthalate
Concen: 7.824 ng
RT: 14.886 min Scan# 2040
Delta R.T. -0.012 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

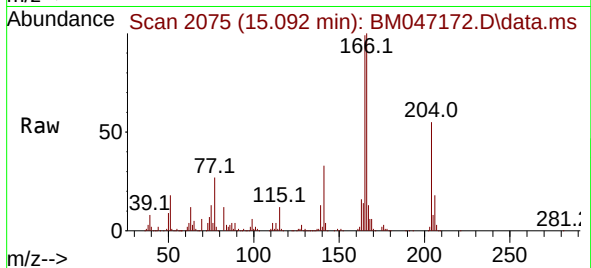
Tgt Ion:149 Resp: 280409
Ion Ratio Lower Upper
149 100
177 20.0 17.6 26.4
150 12.2 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 8.041 ng
RT: 15.092 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

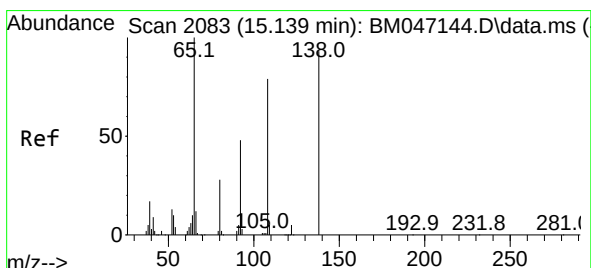
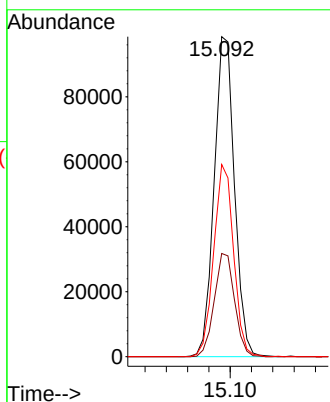
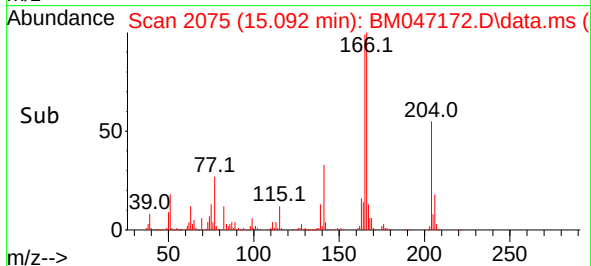
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



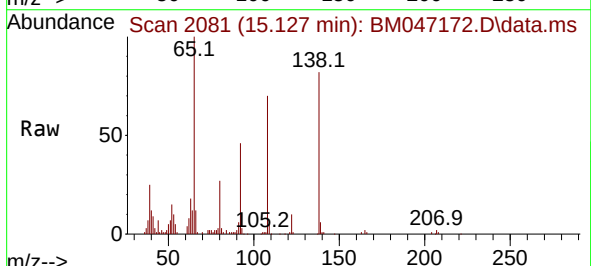
Tgt Ion:204 Resp: 13044
Ion Ratio Lower Upper
204 100
206 32.2 26.2 39.4
141 60.0 47.2 70.8

Manual Integrations
APPROVED

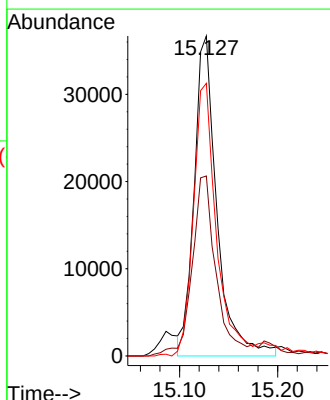
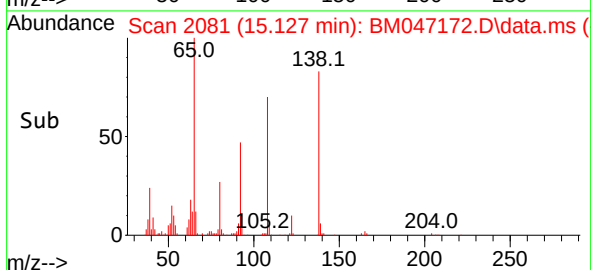
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

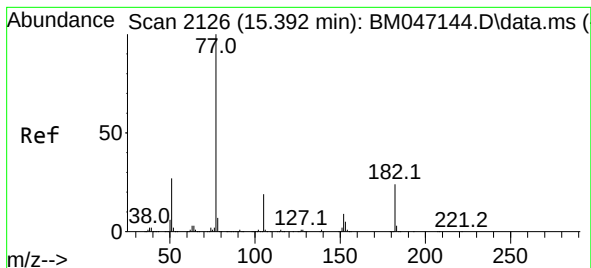


#62
4-Nitroaniline
Concen: 7.310 ng m
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04



Tgt Ion:138 Resp: 59202
Ion Ratio Lower Upper
138 100
92 56.3 31.9 71.9
108 85.2 63.8 103.8





#63

Azobenzene

Concen: 8.528 ng

RT: 15.386 min Scan# 2125

Delta R.T. -0.006 min

Lab File: BM047172.D

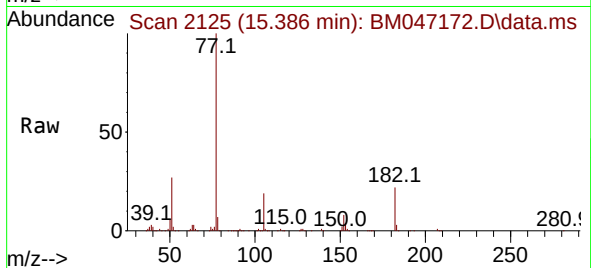
Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion: 77 Resp: 28979

Ion Ratio Lower Upper

77 100

182 21.8 3.8 43.8

105 18.5 0.0 39.5

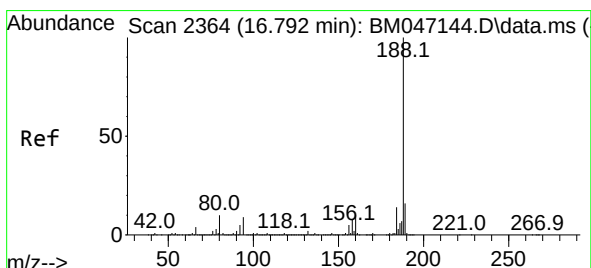
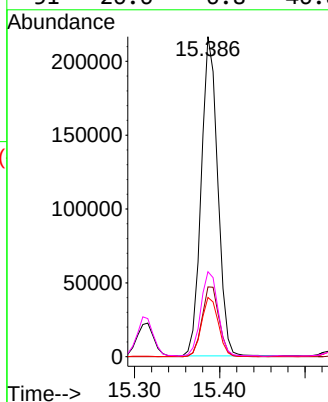
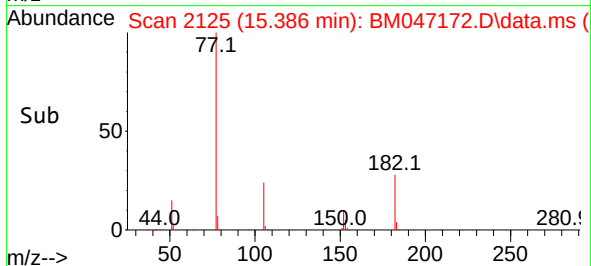
51 26.6 6.8 46.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.792 min Scan# 2364

Delta R.T. -0.000 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

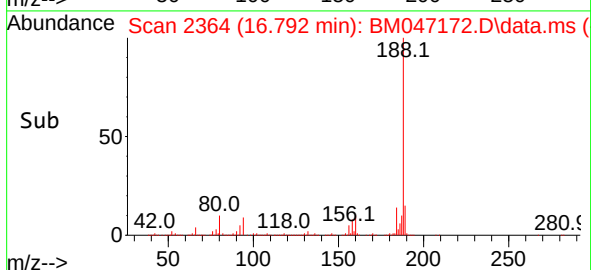
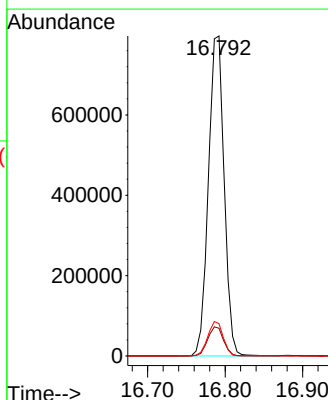
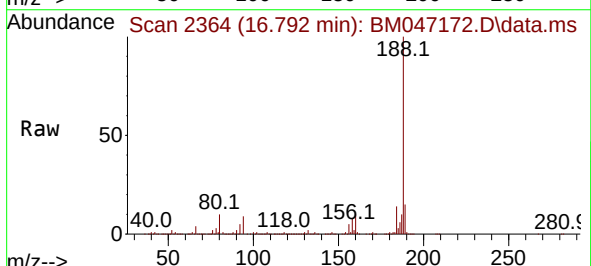
Tgt Ion:188 Resp: 1124226

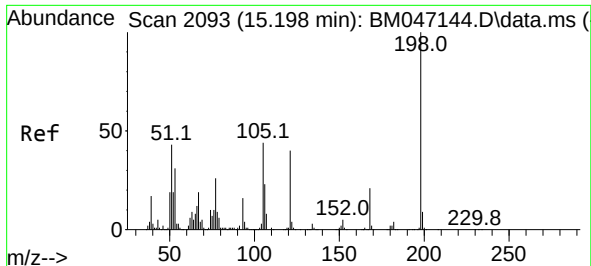
Ion Ratio Lower Upper

188 100

94 8.7 7.0 10.6

80 10.1 8.0 12.0





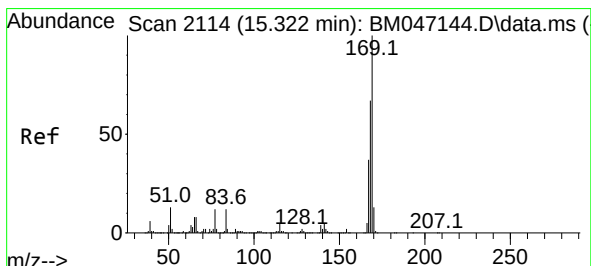
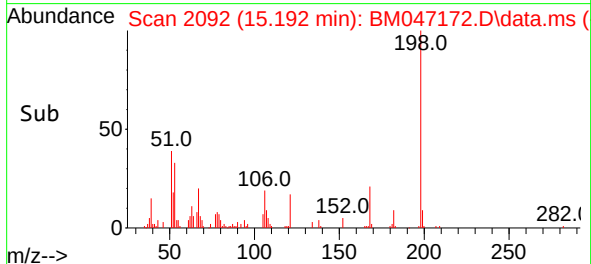
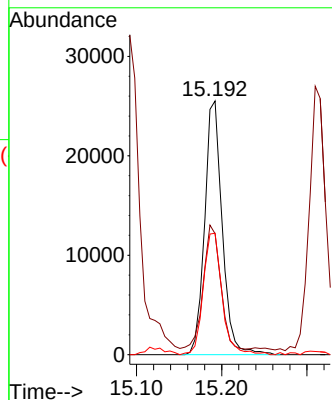
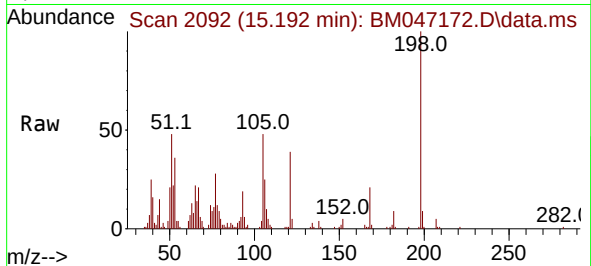
#65
4,6-Dinitro-2-methylphenol
Concen: 5.567 ng
RT: 15.192 min Scan# 2092
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024

Tgt Ion:198 Resp: 3664
Ion Ratio Lower Upper
198 100
51 47.7 23.9 63.9
105 47.9 24.3 64.3

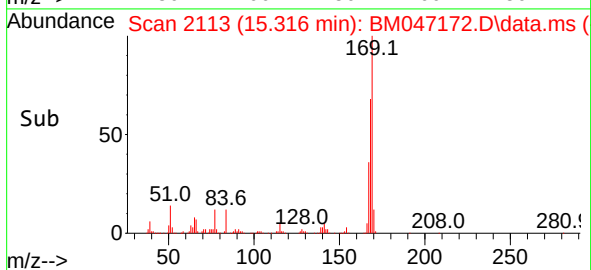
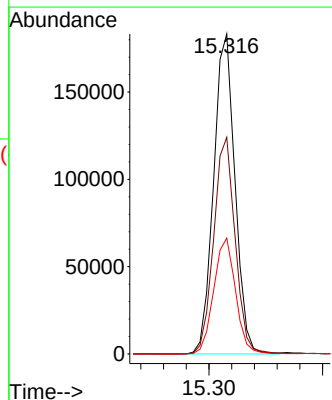
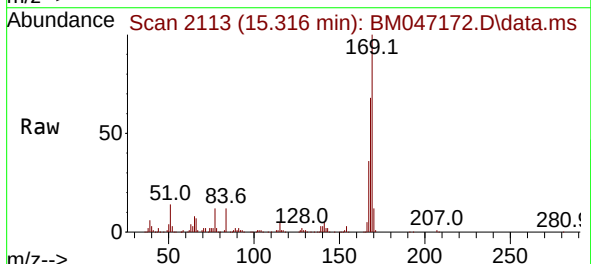
Manual Integrations
APPROVED

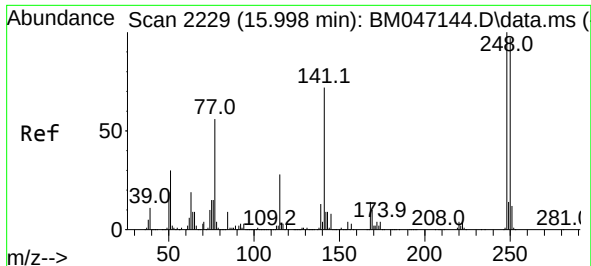
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#66
n-Nitrosodiphenylamine
Concen: 7.815 ng
RT: 15.316 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

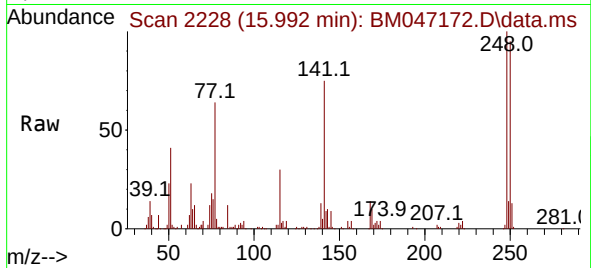
Tgt Ion:169 Resp: 239313
Ion Ratio Lower Upper
169 100
168 67.7 53.8 80.8
167 36.2 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 7.046 ng
RT: 15.992 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

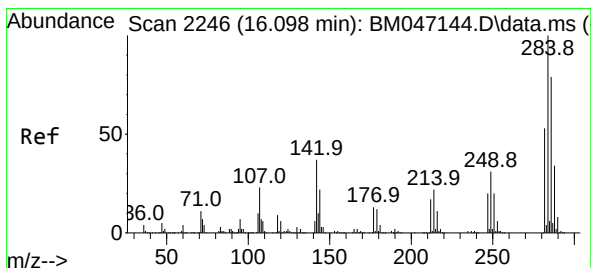
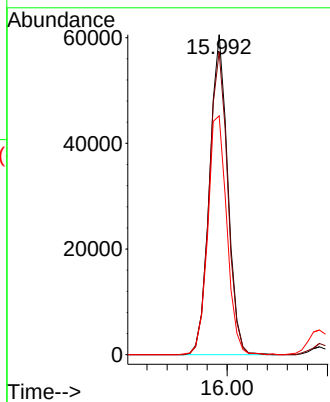
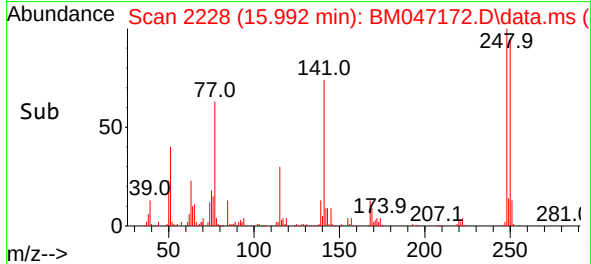
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



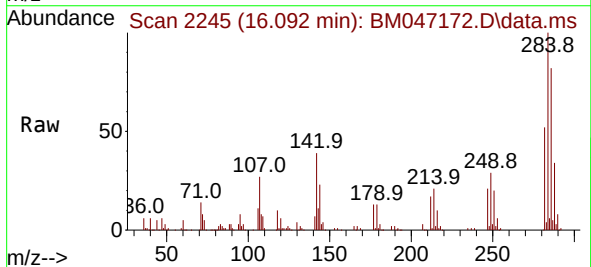
Tgt Ion:248 Resp: 76334
Ion Ratio Lower Upper
248 100
250 94.6 77.8 116.8
141 74.6 57.7 86.5

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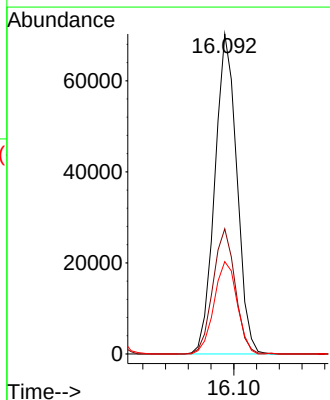
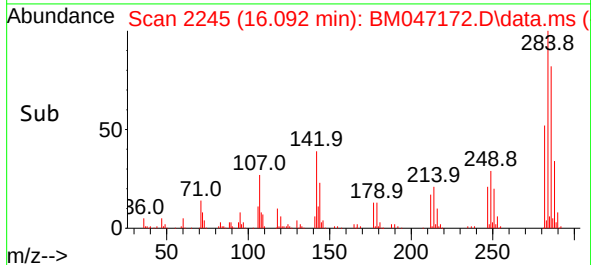
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

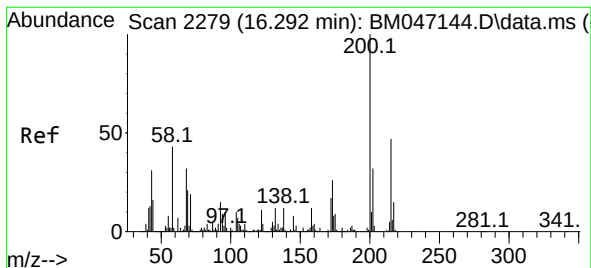


#68
Hexachlorobenzene
Concen: 7.287 ng
RT: 16.092 min Scan# 2245
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04



Tgt Ion:284 Resp: 94546
Ion Ratio Lower Upper
284 100
142 39.1 29.4 44.0
249 28.8 25.1 37.7





#69

Atrazine

Concen: 8.763 ng

RT: 16.286 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047172.D

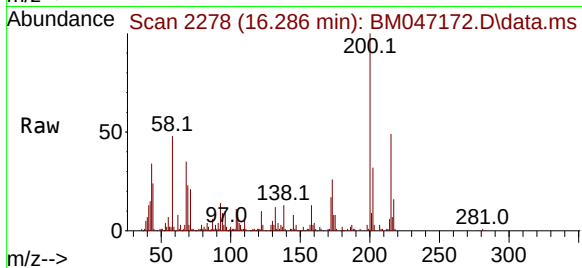
Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion:200 Resp: 80750

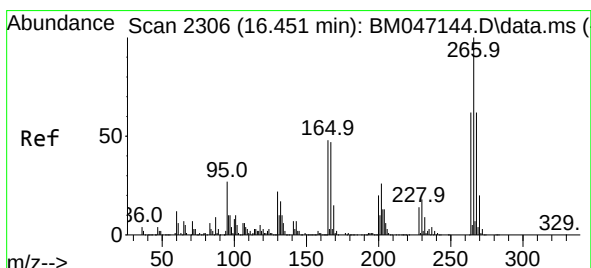
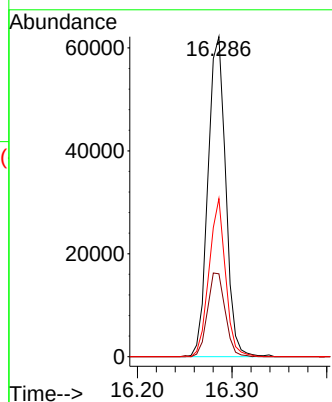
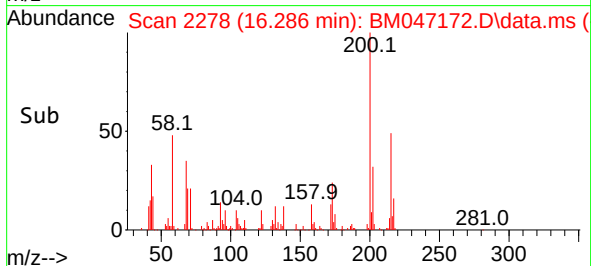
Ion	Ratio	Lower	Upper
200	100		
173	25.9	6.1	46.1
215	49.4	26.8	66.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#70

Pentachlorophenol

Concen: 5.728 ng

RT: 16.451 min Scan# 2306

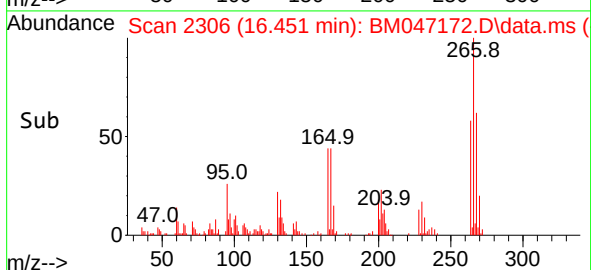
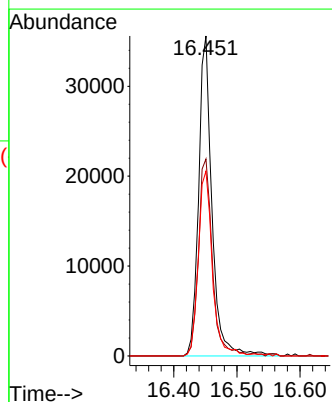
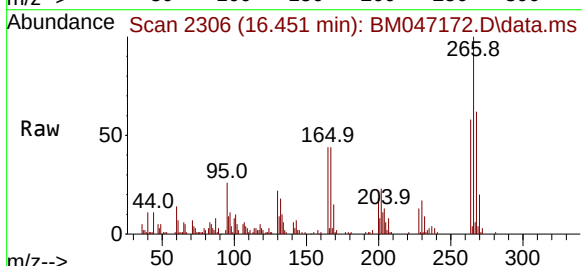
Delta R.T. -0.000 min

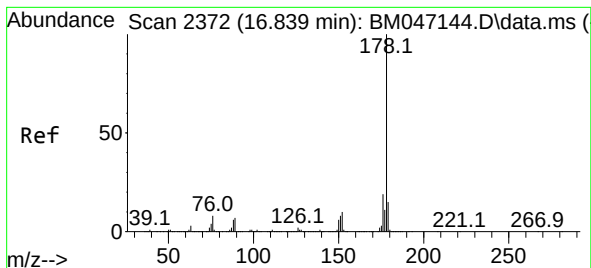
Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Tgt Ion:266 Resp: 52094

Ion	Ratio	Lower	Upper
266	100		
268	61.6	49.8	74.6
264	57.8	49.6	74.4





#71

Phenanthrene

Concen: 8.282 ng

RT: 16.833 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047172.D

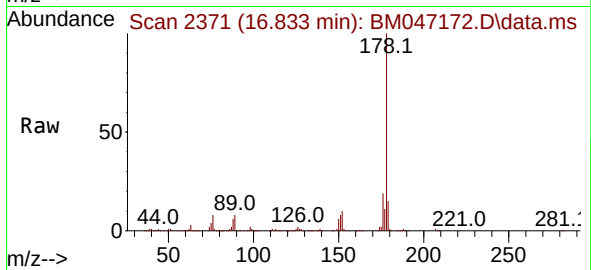
Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion:178 Resp: 467274

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

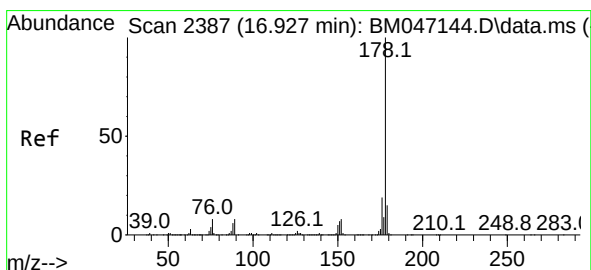
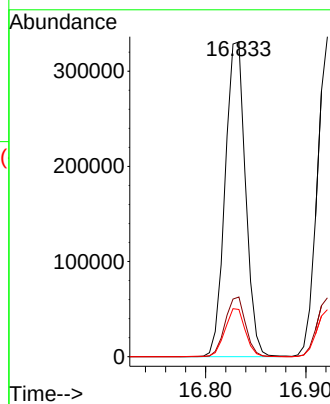
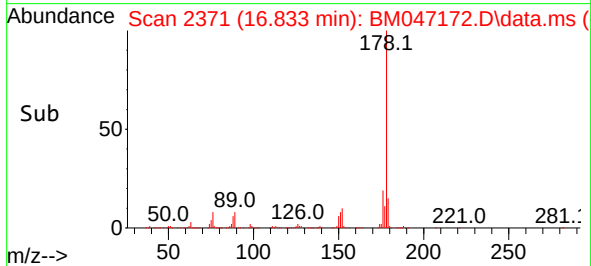
179 15.0 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#72

Anthracene

Concen: 8.173 ng

RT: 16.921 min Scan# 2386

Delta R.T. -0.006 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

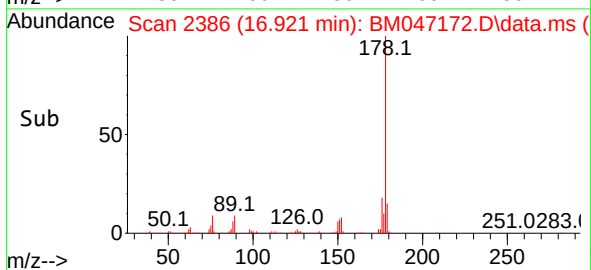
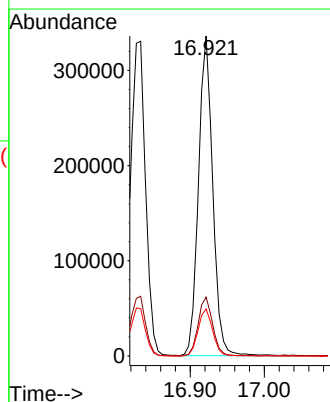
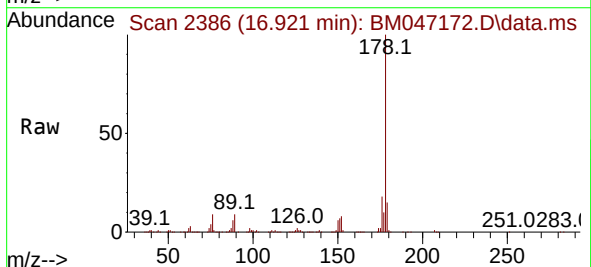
Tgt Ion:178 Resp: 448682

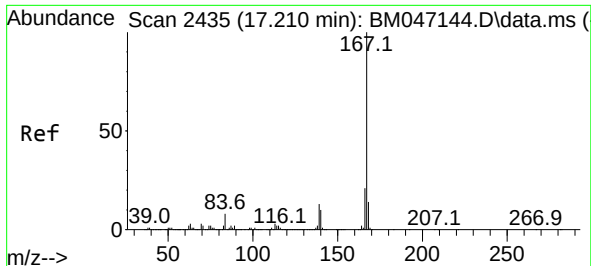
Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

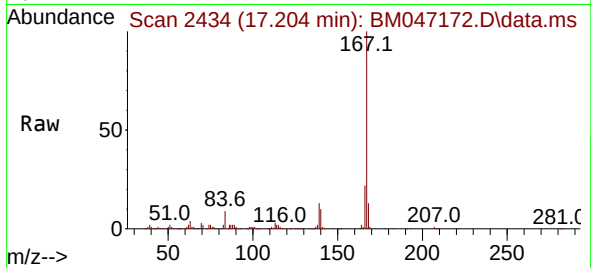
179 14.7 12.4 18.6





#73
 Carbazole
 Concen: 7.960 ng
 RT: 17.204 min Scan# 2435
 Delta R.T. -0.006 min
 Lab File: BM047172.D
 Acq: 13 Aug 2024 13:04

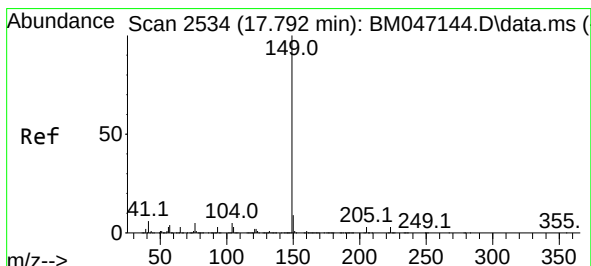
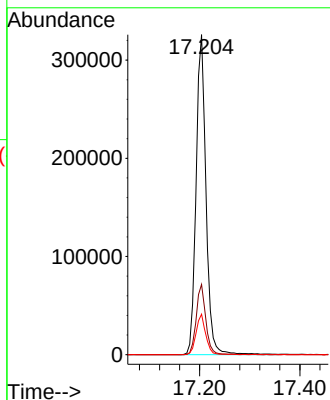
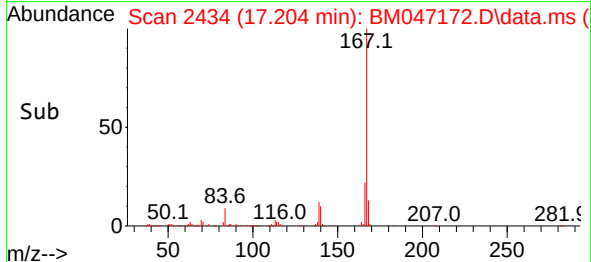
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2024



Tgt Ion:167 Resp: 446158
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.1 25.7
 139 12.6 10.0 15.0

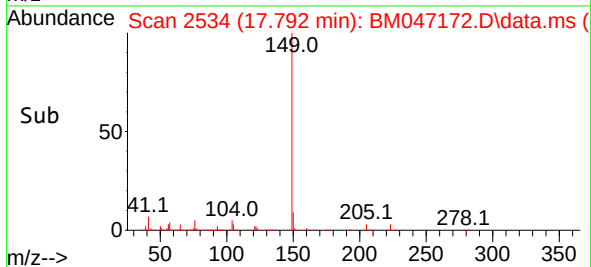
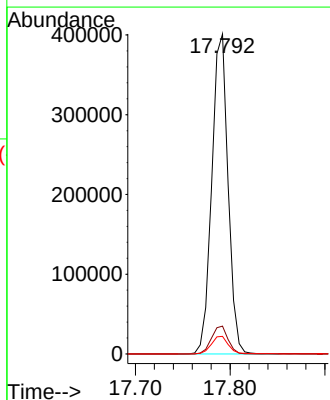
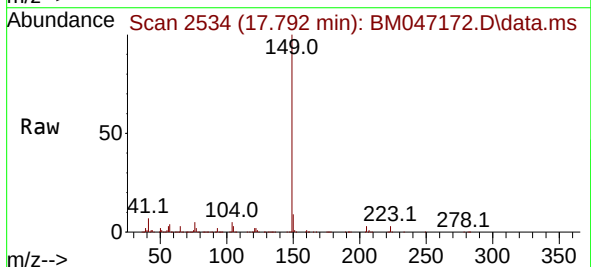
Manual Integrations
 APPROVED

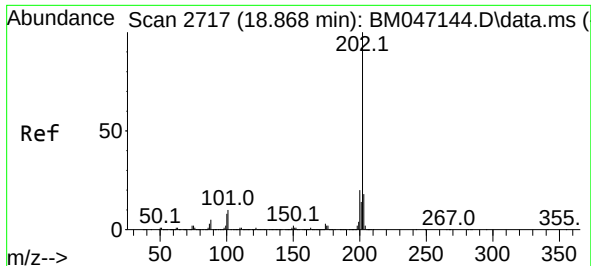
Reviewed By :Yogesh Patel 08/14/2024
 Supervised By :mohammad ahmed 08/14/2024



#74
 Di-n-butylphthalate
 Concen: 7.312 ng
 RT: 17.792 min Scan# 2534
 Delta R.T. -0.000 min
 Lab File: BM047172.D
 Acq: 13 Aug 2024 13:04

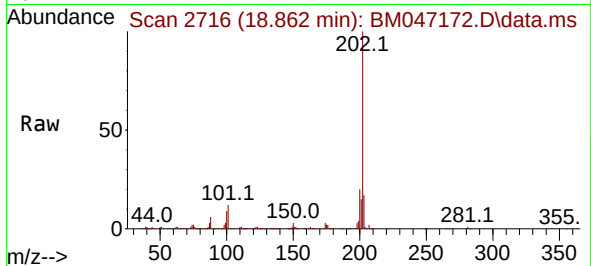
Tgt Ion:149 Resp: 476891
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.5 11.3
 104 5.5 4.1 6.1





#75
Fluoranthene
Concen: 7.607 ng
RT: 18.862 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04

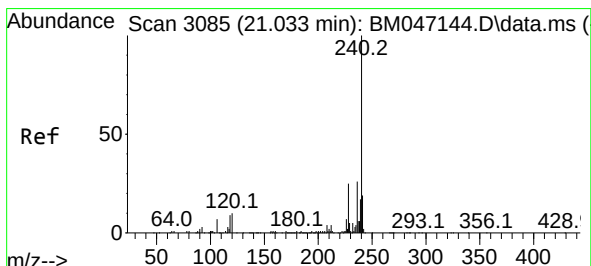
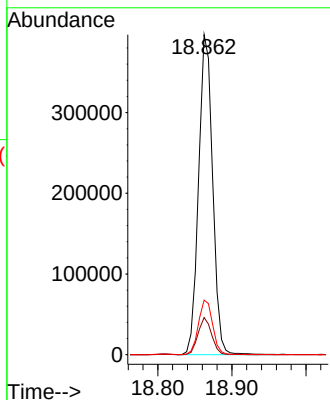
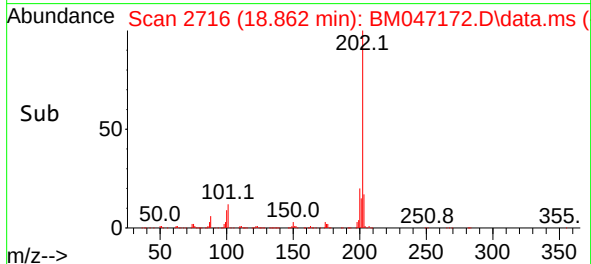
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2024



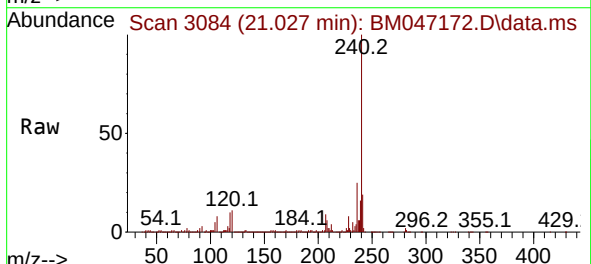
Tgt Ion:202 Resp: 522045
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.2
203 17.1 0.0 37.6

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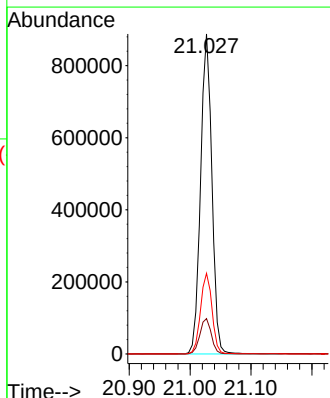
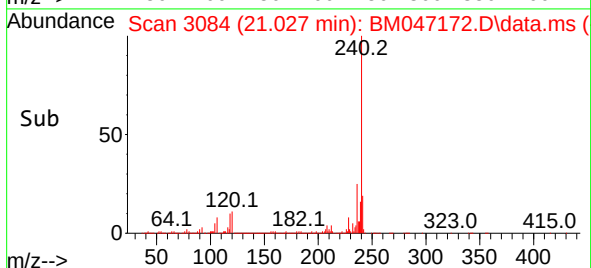
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

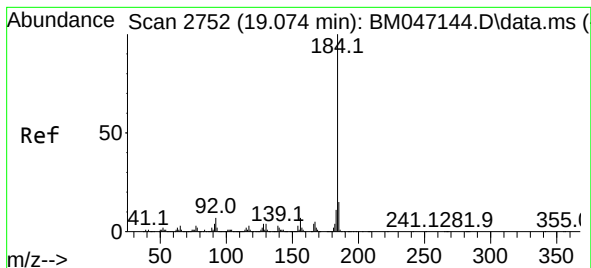


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047172.D
Acq: 13 Aug 2024 13:04



Tgt Ion:240 Resp: 1140950
Ion Ratio Lower Upper
240 100
120 11.0 8.2 12.2
236 25.2 20.6 30.8





#77

Benzidine

Concen: 10.334 ng

RT: 19.074 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024

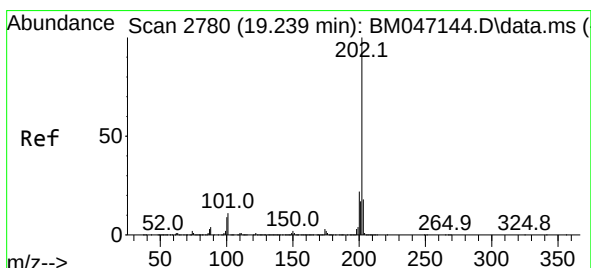
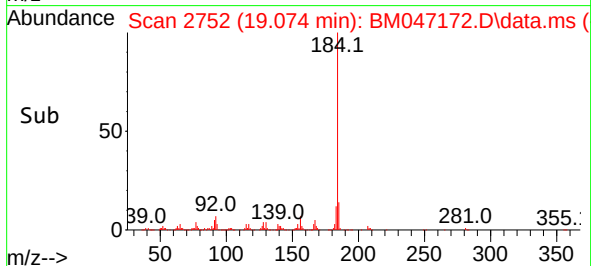
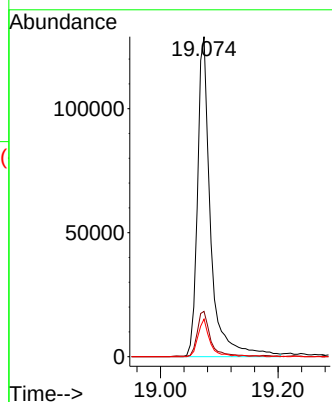
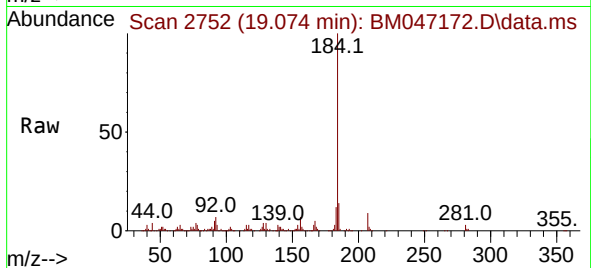
Tgt Ion:184 Resp: 199944
 Ion Ratio Lower Upper
 184 100
 185 14.2 11.8 17.6
 183 11.8 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#78

Pyrene

Concen: 6.820 ng

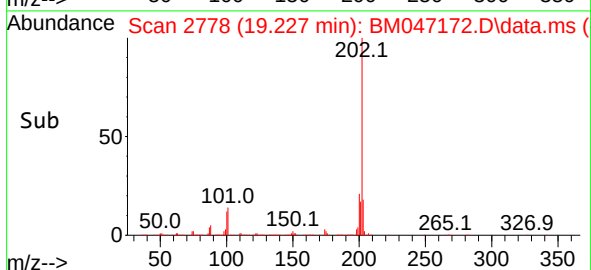
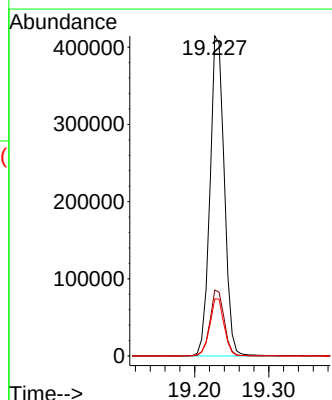
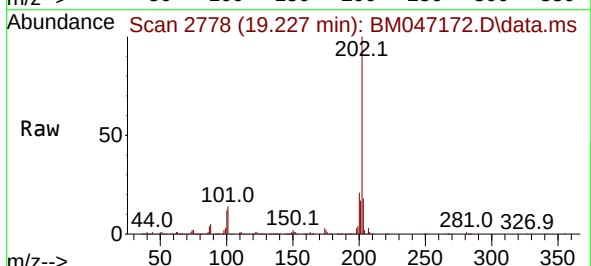
RT: 19.227 min Scan# 2778

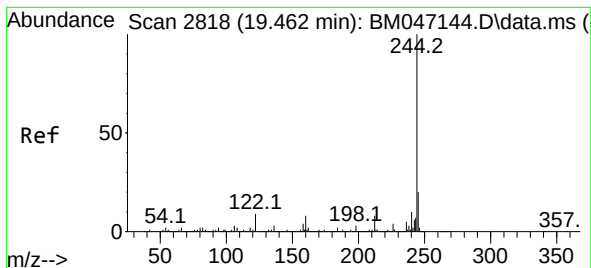
Delta R.T. -0.012 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Tgt Ion:202 Resp: 555626
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.2 25.8
 203 17.8 14.2 21.2





#79

Terphenyl-d14

Concen: 82.394 ng

RT: 19.456 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BM047172.D

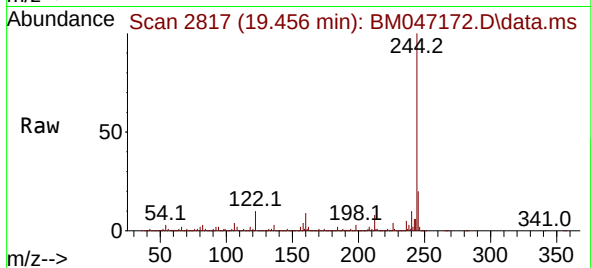
Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion:244 Resp: 438721

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.4

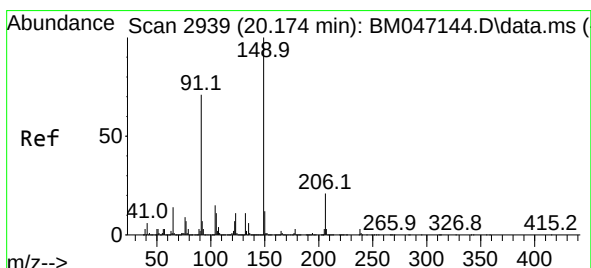
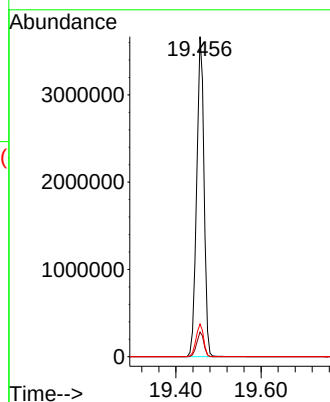
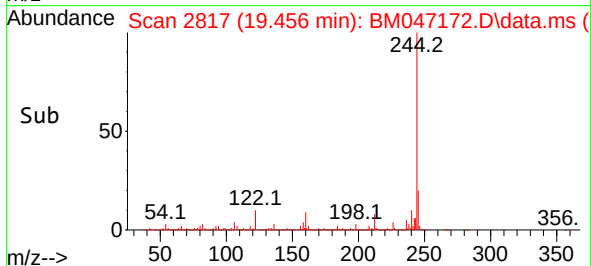
122 10.2 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#80

Butylbenzylphthalate

Concen: 6.457 ng

RT: 20.174 min Scan# 2939

Delta R.T. -0.000 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

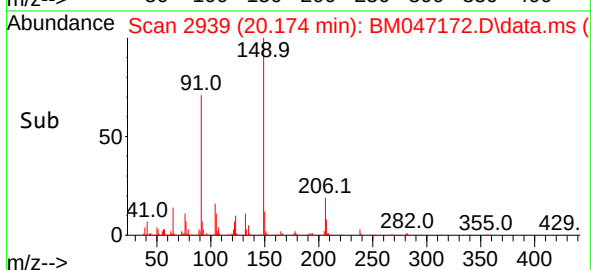
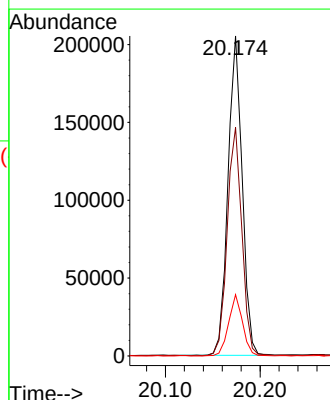
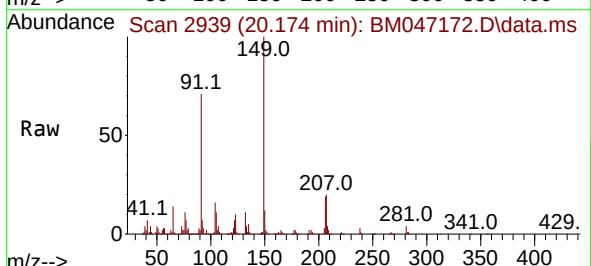
Tgt Ion:149 Resp: 214661

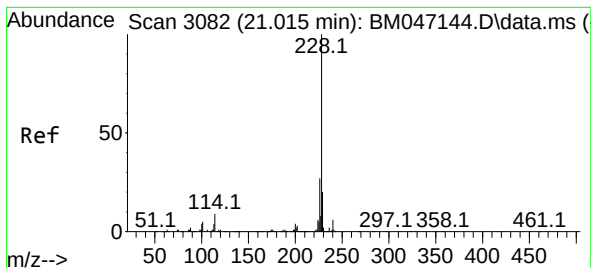
Ion Ratio Lower Upper

149 100

91 71.4 57.0 85.4

206 19.2 16.4 24.6





#81

Benzo(a)anthracene

Concen: 7.766 ng

RT: 21.009 min Scan# 3082

Delta R.T. -0.006 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024

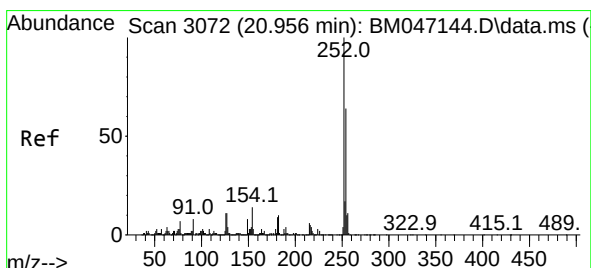
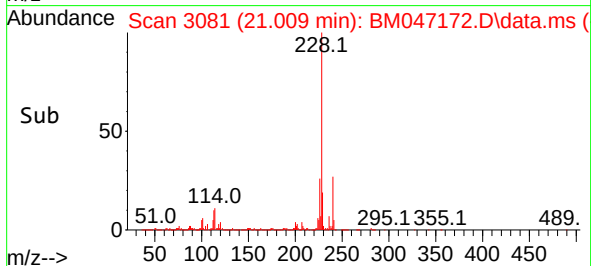
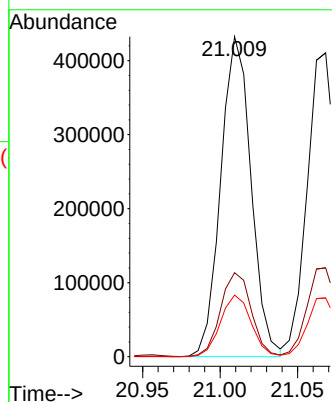
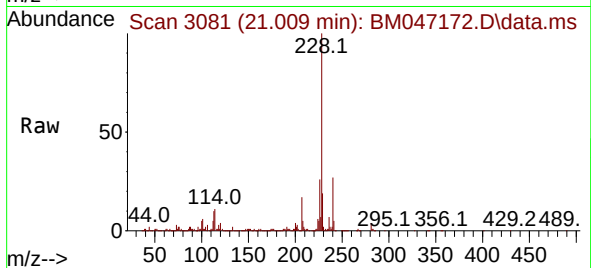
Tgt Ion:228	Resp: 58818
Ion Ratio	Lower Upper
228 100	
226 26.2	21.8 32.6
229 19.3	15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#82

3,3'-Dichlorobenzidine

Concen: 8.061 ng

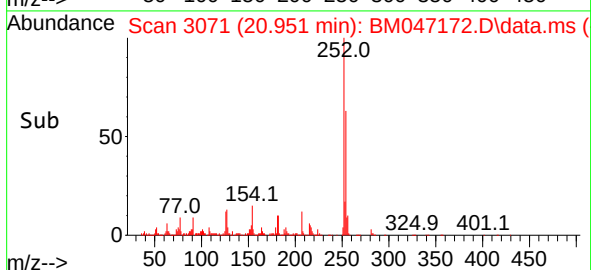
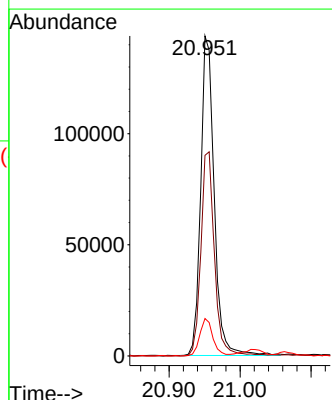
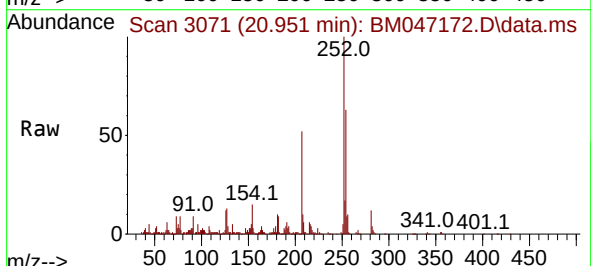
RT: 20.951 min Scan# 3071

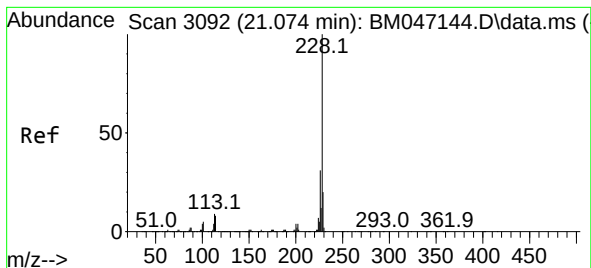
Delta R.T. -0.006 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Tgt Ion:252	Resp: 191037
Ion Ratio	Lower Upper
252 100	
254 62.7	51.0 76.6
126 11.7	8.5 12.7





#83

Chrysene

Concen: 7.816 ng

RT: 21.068 min Scan# 3092

Delta R.T. -0.006 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024

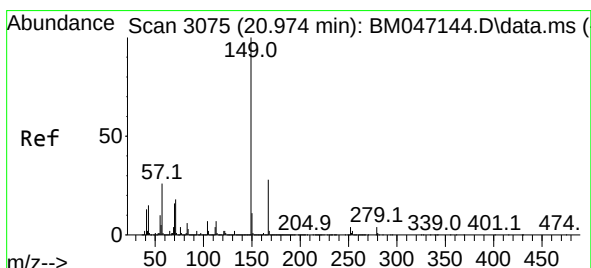
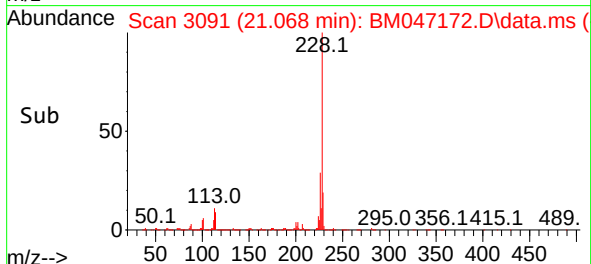
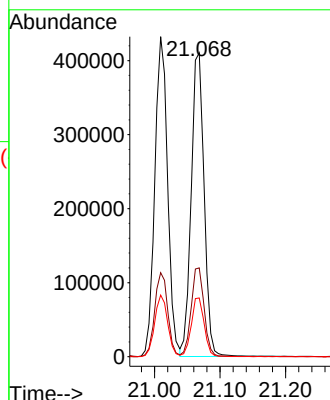
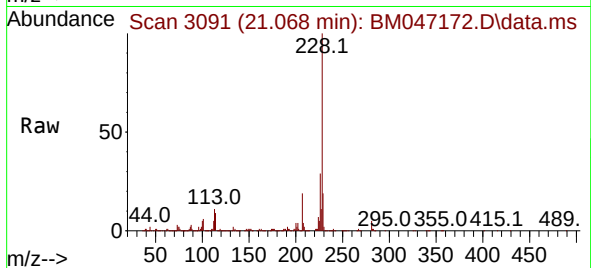
Tgt Ion:228 Resp: 56168
 Ion Ratio Lower Upper
 228 100
 226 29.2 24.4 36.6
 229 19.3 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.796 ng

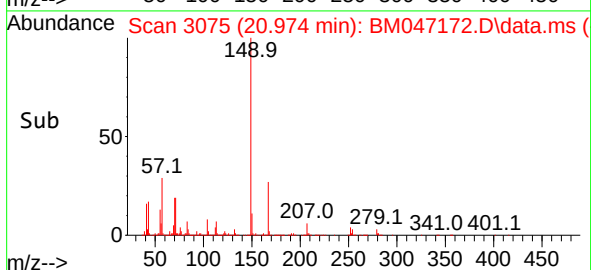
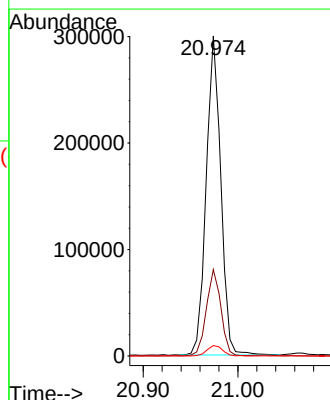
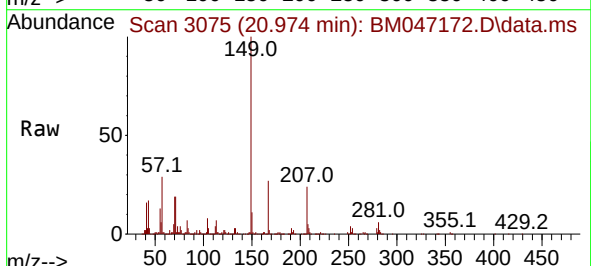
RT: 20.974 min Scan# 3075

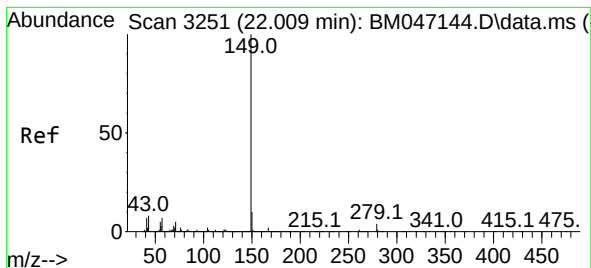
Delta R.T. -0.000 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Tgt Ion:149 Resp: 320434
 Ion Ratio Lower Upper
 149 100
 167 27.0 22.2 33.2
 279 3.3 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 6.411 ng

RT: 22.003 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:149 Resp: 513750

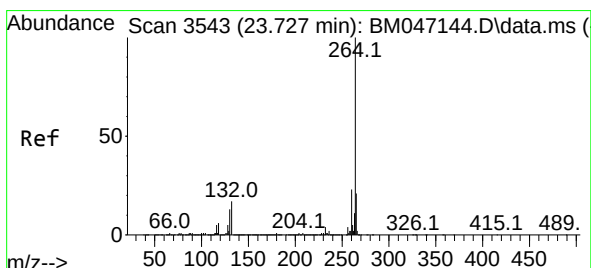
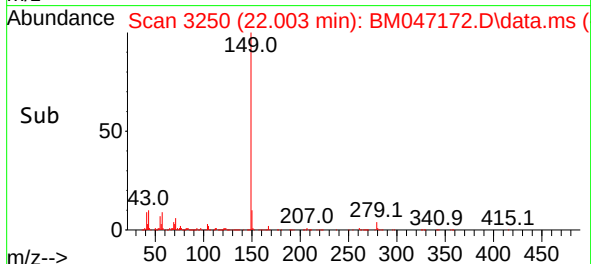
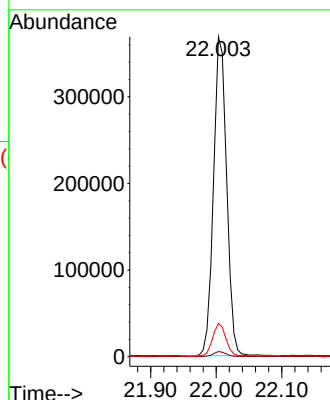
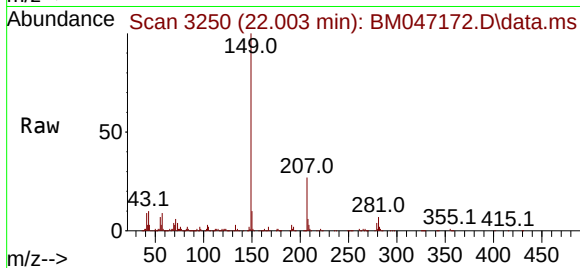
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	10.4	6.9	10.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.721 min Scan# 3542

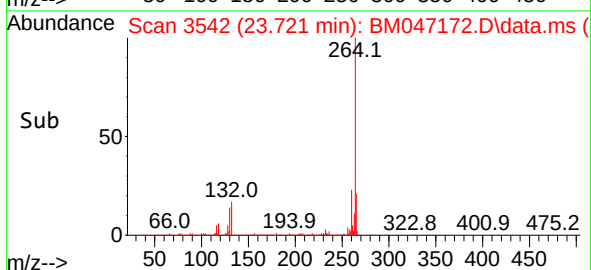
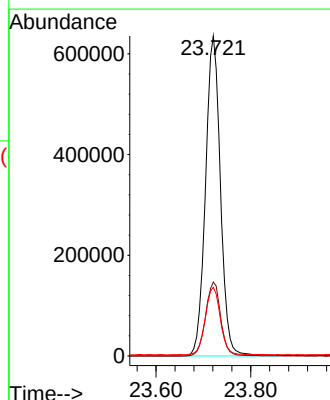
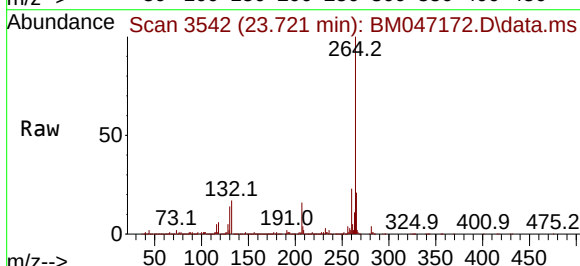
Delta R.T. -0.006 min

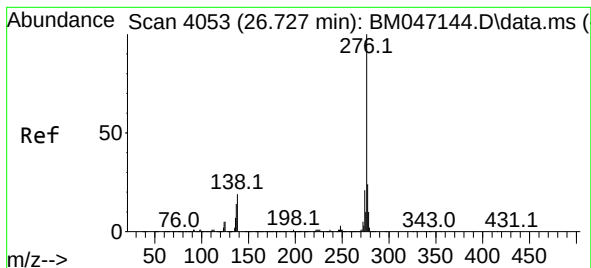
Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Tgt Ion:264 Resp: 1390446

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.5	17.3	25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.997 ng

RT: 26.703 min Scan# 4053

Delta R.T. -0.024 min

Lab File: BM047172.D

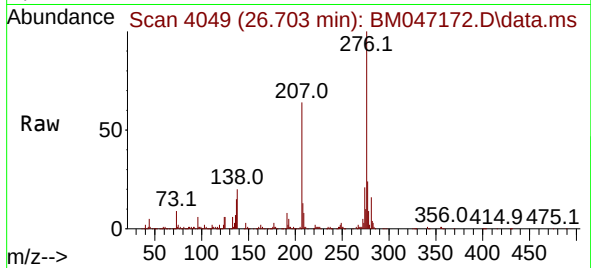
Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion: 276 Resp: 71874

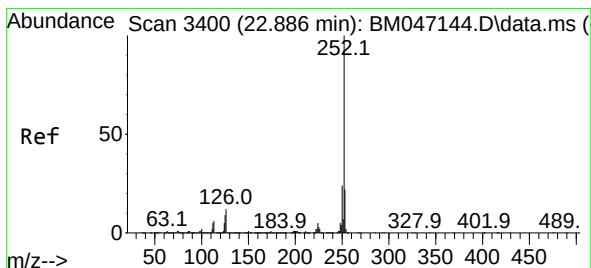
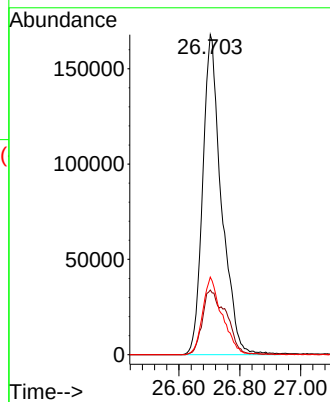
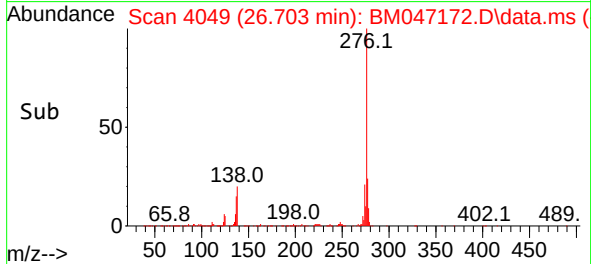
Ion	Ratio	Lower	Upper
276	100		
138	25.4	19.4	29.0
277	25.2	20.1	30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#88

Benzo(b)fluoranthene

Concen: 7.376 ng

RT: 22.880 min Scan# 3399

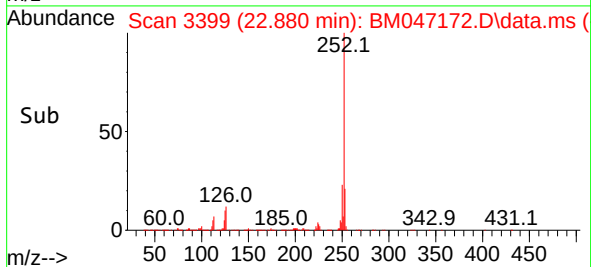
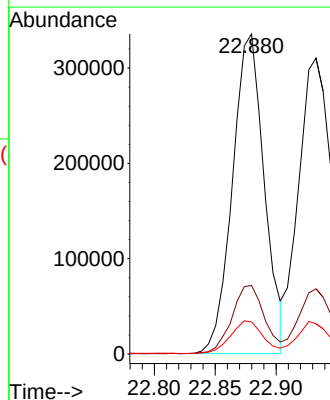
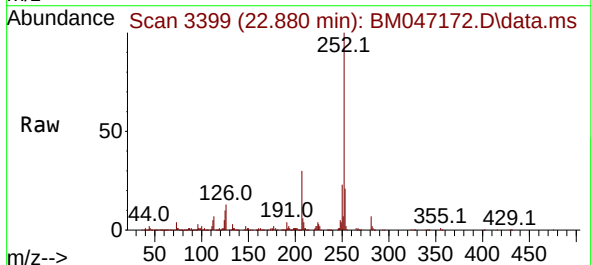
Delta R.T. -0.006 min

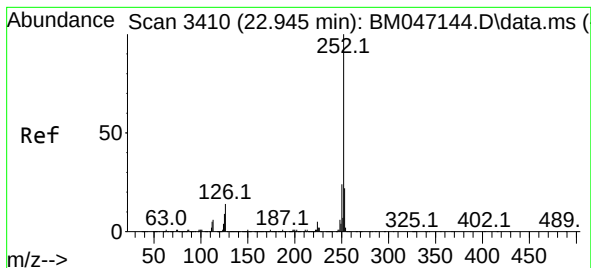
Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Tgt Ion: 252 Resp: 609044

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.6
125	10.0	7.4	11.0





#89

Benzo(k)fluoranthene

Concen: 7.780 ng

RT: 22.933 min Scan# 3410

Delta R.T. -0.012 min

Lab File: BM047172.D

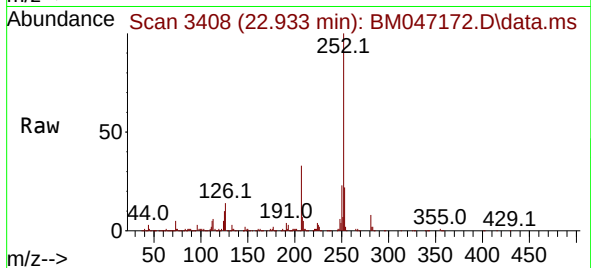
Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024



Tgt Ion:252 Resp: 606790

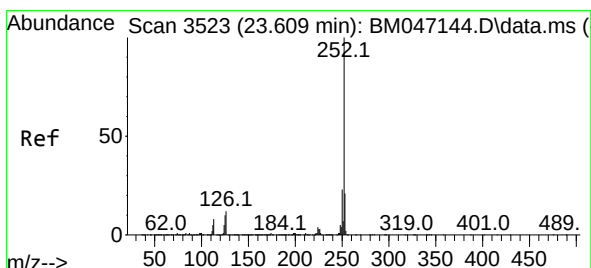
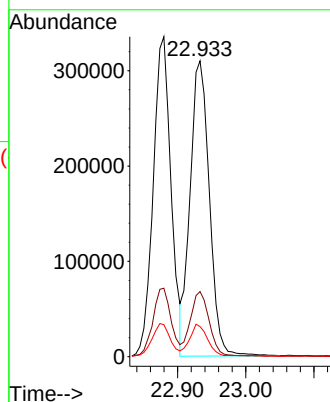
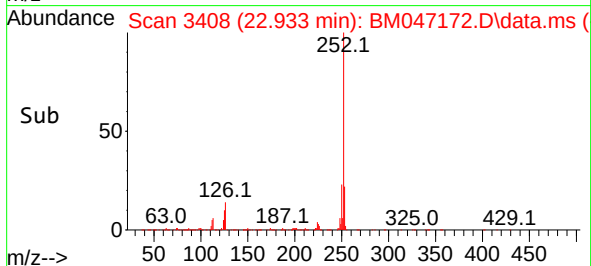
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.2	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#90

Benzo(a)pyrene

Concen: 7.583 ng

RT: 23.592 min Scan# 3520

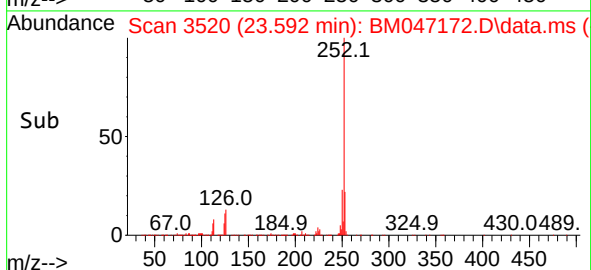
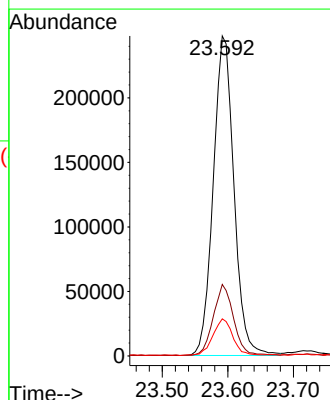
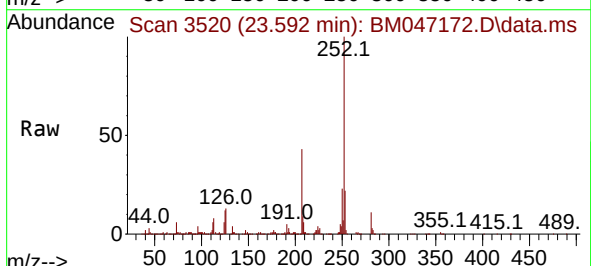
Delta R.T. -0.018 min

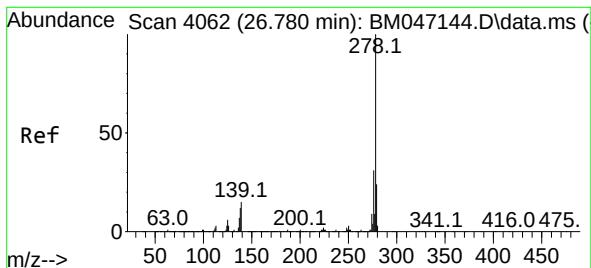
Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Tgt Ion:252 Resp: 542427

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	11.6	8.2	12.2





#91

Dibenzo(a,h)anthracene

Concen: 8.121 ng

RT: 26.750 min Scan# 4062

Delta R.T. -0.030 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2024

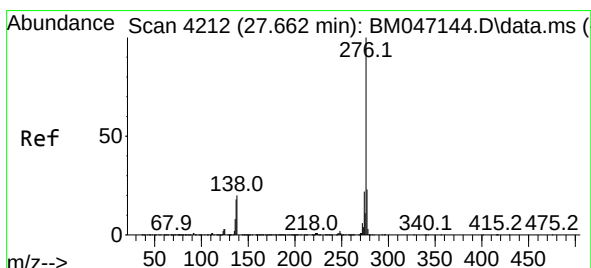
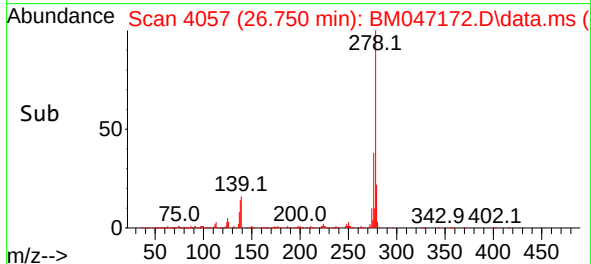
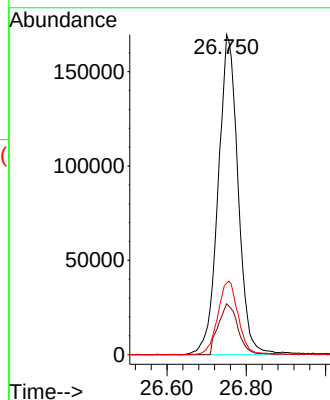
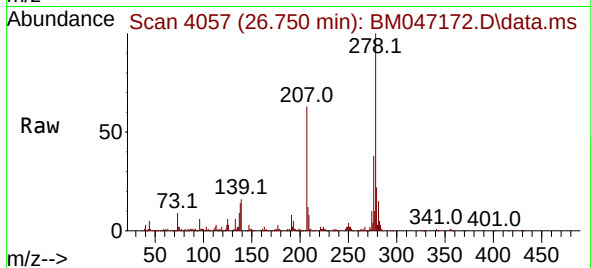
Tgt Ion:	278	Resp:	59064
Ion Ratio	Lower	Upper	
278	100		
139	15.9	12.0	18.0
279	22.3	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#92

Benzo(g,h,i)perylene

Concen: 7.624 ng

RT: 27.632 min Scan# 4207

Delta R.T. -0.030 min

Lab File: BM047172.D

Acq: 13 Aug 2024 13:04

Tgt Ion:	276	Resp:	575698
Ion Ratio	Lower	Upper	
276	100		
277	22.5	18.8	28.2
138	22.1	16.2	24.4

