

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
 Data File : BM038464.D
 Acq On : 17 Jan 2023 13:34
 Operator : CG/JU
 Sample : N3980-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Jan 19 04:48:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 03:06:05 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/24/2023
 Supervised By : Jagrut Upadhyay 01/27/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	37876	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	125806	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	77116	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	179369	20.000	ng	0.00
76) Chrysene-d12	21.527	240	207289	20.000	ng	0.00
86) Perylene-d12	23.950	264	260850	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	341079	137.364	ng	-0.01
7) Phenol-d6	7.140	99	423470	133.137	ng	0.00
23) Nitrobenzene-d5	9.151	82	336824	109.088	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	179413	137.624	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	656941	106.239	ng	0.00
79) Terphenyl-d14	19.968	244	1287251	116.252	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.381	88	6153	5.422	ng	95
3) Pyridine	3.822	79	14054m	4.282	ng	
4) n-Nitrosodimethylamine	3.716	42	10917m	5.621	ng	
6) Aniline	7.304	93	18498	4.604	ng	96
8) 2-Chlorophenol	7.540	128	11999	4.881	ng	99
9) Benzaldehyde	7.122	77	14234	6.692	ng	94
10) Phenol	7.163	94	17080	5.153	ng	81
11) bis(2-Chloroethyl)ether	7.398	93	12981	4.833	ng	99
12) 1,3-Dichlorobenzene	7.863	146	14493	5.503	ng	92
13) 1,4-Dichlorobenzene	8.016	146	13474	5.085	ng	98
14) 1,2-Dichlorobenzene	8.328	146	13746	5.306	ng	95
15) Benzyl Alcohol	8.222	79	11610	4.557	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.504	45	18527	4.947	ng	99
17) 2-Methylphenol	8.422	107	9310	4.159	ng	# 95
18) Hexachloroethane	9.057	117	5693	5.246	ng	91
19) n-Nitroso-di-n-propyla...	8.787	70	10711	4.639	ng	# 89
20) 3+4-Methylphenols	8.751	107	11987	3.988	ng	97
22) Acetophenone	8.810	105	18968	5.101	ng	# 95
24) Nitrobenzene	9.192	77	18837m	5.774	ng	
25) Isophorone	9.716	82	25470	4.657	ng	100
26) 2-Nitrophenol	9.910	139	4620	4.034	ng	# 85
27) 2,4-Dimethylphenol	9.963	122	8986	4.607	ng	98
28) bis(2-Chloroethoxy)met...	10.198	93	15145	4.924	ng	# 93
29) 2,4-Dichlorophenol	10.439	162	9251	4.294	ng	93
30) 1,2,4-Trichlorobenzene	10.651	180	12238	4.912	ng	95
31) Naphthalene	10.839	128	32946	4.941	ng	98
32) Benzoic acid	10.039	122	3447	6.997	ng	85
33) 4-Chloroaniline	10.963	127	12110	4.138	ng	# 90
34) Hexachlorobutadiene	11.116	225	8661	4.957	ng	96
35) Caprolactam	11.739	113	2381	3.910	ng	96
36) 4-Chloro-3-methylphenol	12.075	107	10455	4.451	ng	97
37) 2-Methylnaphthalene	12.445	142	20820	4.271	ng	92
38) 1-Methylnaphthalene	12.663	142	20166m	4.406	ng	
40) 1,2,4,5-Tetrachloroben...	12.810	216	14091	4.882	ng	98
41) Hexachlorocyclopentadiene	12.780	237	7052	4.297	ng	99
43) 2,4,6-Trichlorophenol	13.051	196	7838	4.296	ng	96

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Instrument :
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 LOD-MDL-SOIL-01-QT3-2022

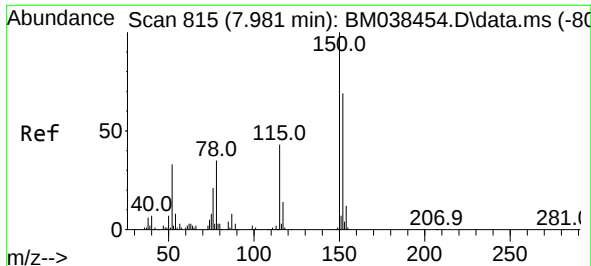
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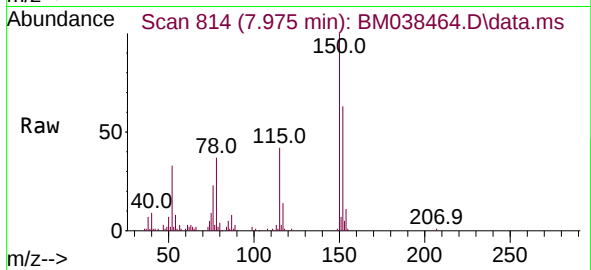
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.127	196	8770	4.077	ng	94
46) 1,1'-Biphenyl	13.445	154	30163	5.042	ng	99
47) 2-Chloronaphthalene	13.492	162	22514	4.781	ng	96
48) 2-Nitroaniline	13.704	65	6806	5.728	ng	85
49) Acenaphthylene	14.333	152	33033	4.449	ng	97
50) Dimethylphthalate	14.069	163	28329	4.533	ng	98
51) 2,6-Dinitrotoluene	14.198	165	5062	3.981	ng	# 84
52) Acenaphthene	14.674	154	20449	4.532	ng	95
53) 3-Nitroaniline	14.533	138	4326	5.570	ng	82
54) 2,4-Dinitrophenol	14.739	184	2494	7.707	ng	# 85
55) Dibenzofuran	15.010	168	35376	4.605	ng	98
56) 4-Nitrophenol	14.839	139	3115	6.502	ng	92
57) 2,4-Dinitrotoluene	14.980	165	6506	3.681	ng	# 93
58) Fluorene	15.657	166	27479	4.281	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.233	232	7575	3.972	ng	# 96
60) Diethylphthalate	15.421	149	29049	4.531	ng	99
61) 4-Chlorophenyl-phenyle...	15.645	204	15383	4.366	ng	97
62) 4-Nitroaniline	15.686	138	4274	5.628	ng	# 74
63) Azobenzene	15.939	77	31522	4.468	ng	97
65) 4,6-Dinitro-2-methylph...	15.739	198	3695	3.036	ng	86
66) n-Nitrosodiphenylamine	15.863	169	22139	4.207	ng	95
67) 4-Bromophenyl-phenylether	16.539	248	9460	4.559	ng	94
68) Hexachlorobenzene	16.657	284	10863	4.676	ng	95
69) Atrazine	16.810	200	8926	4.796	ng	94
70) Pentachlorophenol	17.004	266	5759	3.395	ng	94
71) Phenanthrene	17.392	178	44805	4.515	ng	97
72) Anthracene	17.486	178	44636	4.377	ng	99
73) Carbazole	17.762	167	38271	4.291	ng	98
74) Di-n-butylphthalate	18.309	149	50385	4.757	ng	99
75) Fluoranthene	19.404	202	54780	4.391	ng	98
77) Benzidine	19.598	184	19473	4.287	ng	99
78) Pyrene	19.768	202	59062	4.281	ng	98
80) Butylbenzylphthalate	20.656	149	22654	4.493	ng	97
81) Benzo(a)anthracene	21.509	228	68172	4.573	ng	95
82) 3,3'-Dichlorobenzidine	21.445	252	24466	5.096	ng	95
83) Chrysene	21.562	228	66174	4.568	ng	98
84) Bis(2-ethylhexyl)phtha...	21.427	149	32210	4.444	ng	93
85) Di-n-octyl phthalate	22.350	149	59963	4.702	ng	96
87) Indeno(1,2,3-cd)pyrene	26.462	276	85525	4.430	ng	99
88) Benzo(b)fluoranthene	23.203	252	74958	4.634	ng	96
89) Benzo(k)fluoranthene	23.256	252	72492	4.334	ng	98
90) Benzo(a)pyrene	23.844	252	66295	4.177	ng	97
91) Dibenzo(a,h)anthracene	26.480	278	73561	4.541	ng	97
92) Benzo(g,h,i)perylene	27.244	276	76607	4.767	ng	94

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

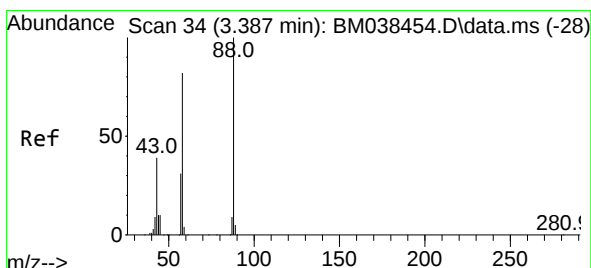
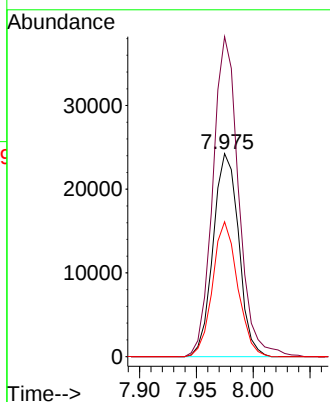
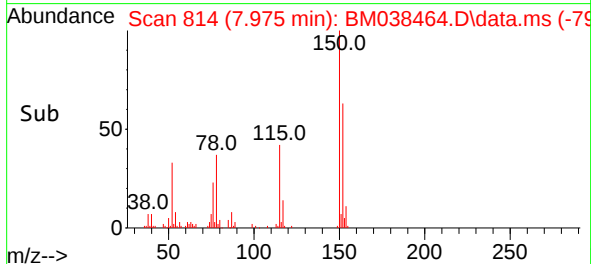
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 152 Resp: 37876
Ion Ratio Lower Upper
152 100
150 157.7 116.0 174.0
115 66.4 49.4 74.2

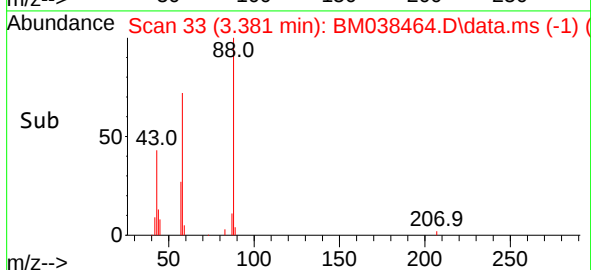
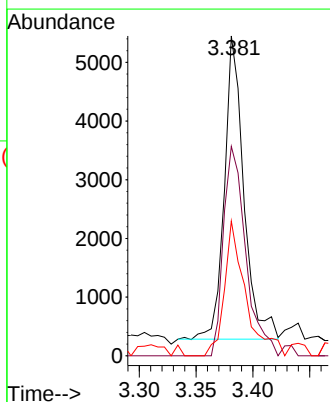
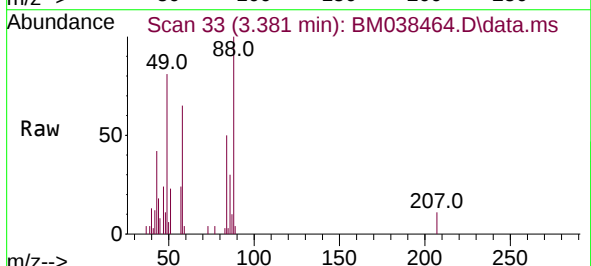
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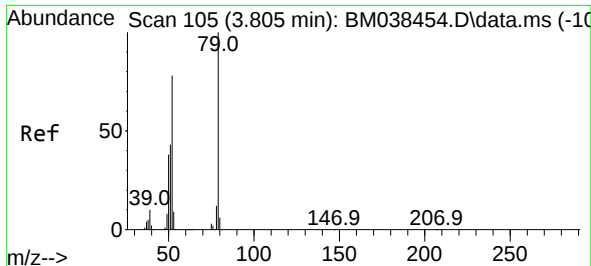
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#2
1,4-Dioxane
Concen: 5.422 ng
RT: 3.381 min Scan# 33
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

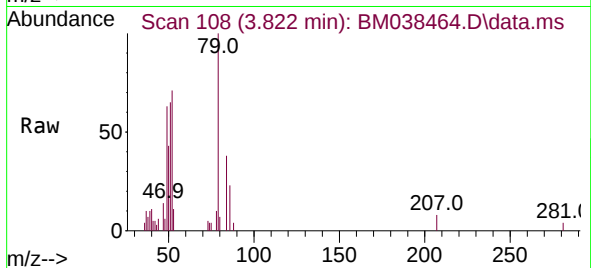
Tgt Ion: 88 Resp: 6153
Ion Ratio Lower Upper
88 100
58 78.9 64.3 96.5
43 48.3 32.3 48.5





#3
Pyridine
Concen: 4.282 ng m
RT: 3.822 min Scan# 10
Delta R.T. 0.018 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

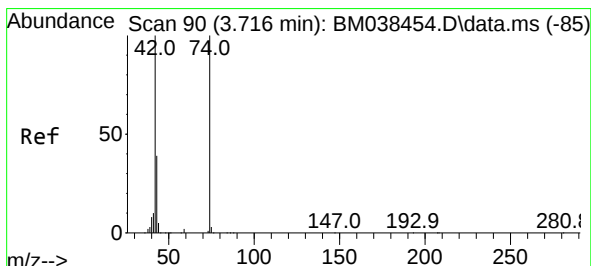
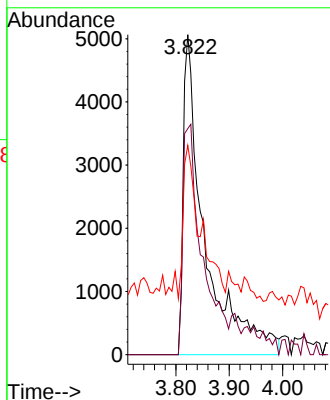
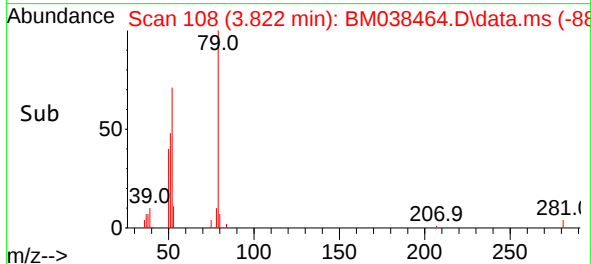
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 79 Resp: 14054
Ion Ratio Lower Upper
79 100
52 70.6 62.2 93.2
51 65.4 34.8 52.2

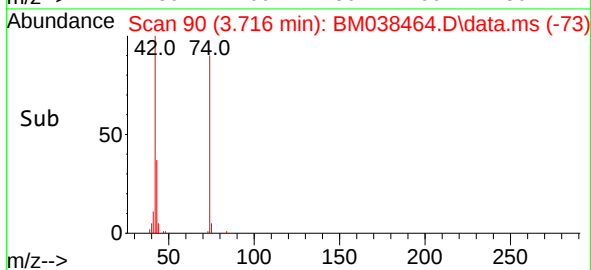
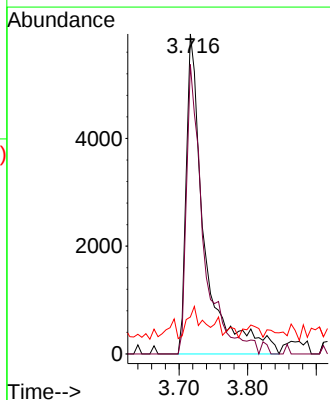
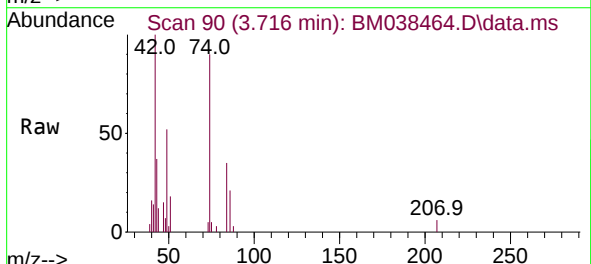
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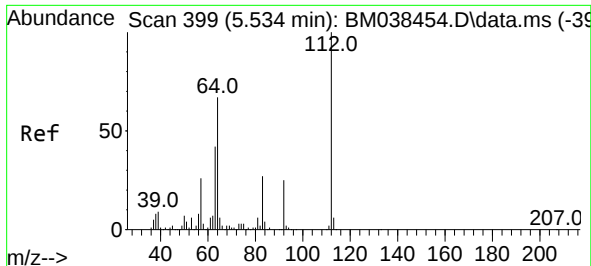
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#4
n-Nitrosodimethylamine
Concen: 5.621 ng m
RT: 3.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

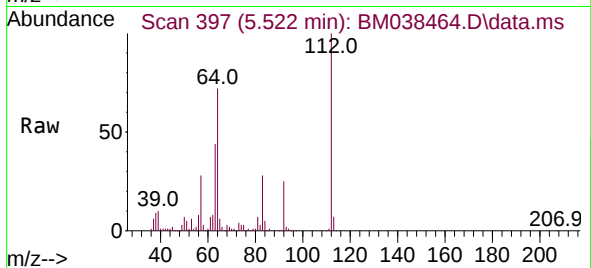
Tgt Ion: 42 Resp: 10917
Ion Ratio Lower Upper
42 100
74 90.4 79.7 119.5
44 11.5 4.7 7.1





#5
2-Fluorophenol
Concen: 137.364 ng
RT: 5.522 min Scan# 399
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

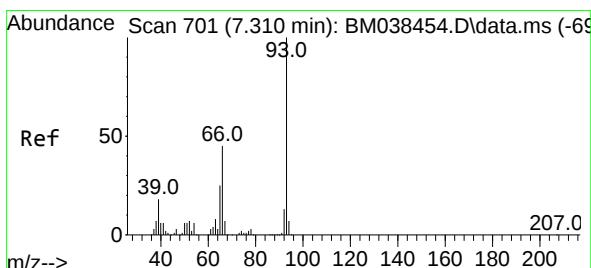
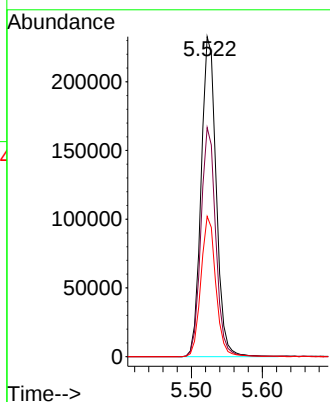
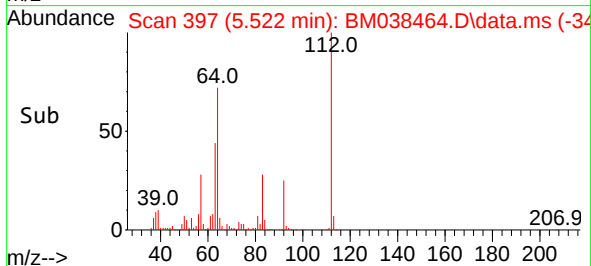
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 112 Resp: 341079
Ion Ratio Lower Upper
112 100
64 71.6 53.7 80.5
63 43.8 33.7 50.5

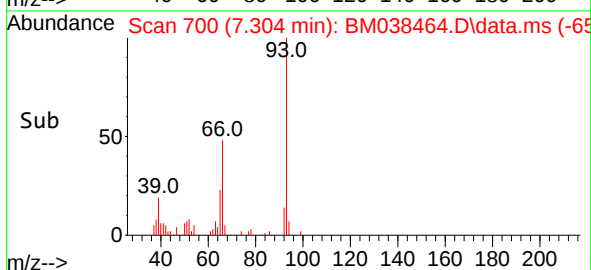
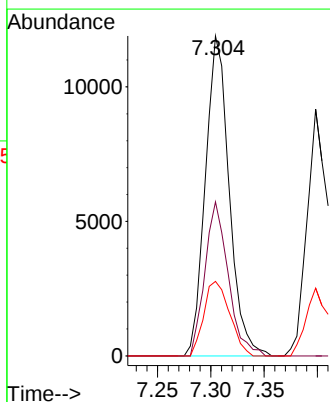
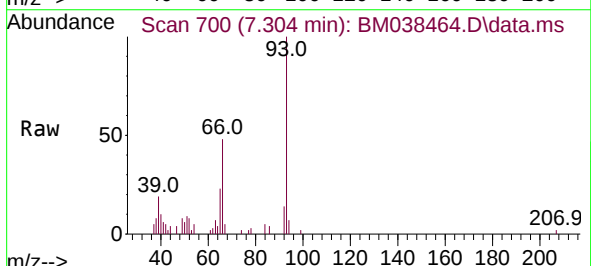
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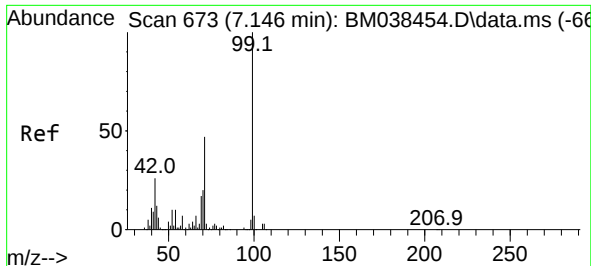
Reviewed By :Christian Giraldo 01/24/2023
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#6
Aniline
Concen: 4.604 ng
RT: 7.304 min Scan# 700
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion: 93 Resp: 18498
Ion Ratio Lower Upper
93 100
66 48.1 36.2 54.2
65 23.3 19.8 29.8





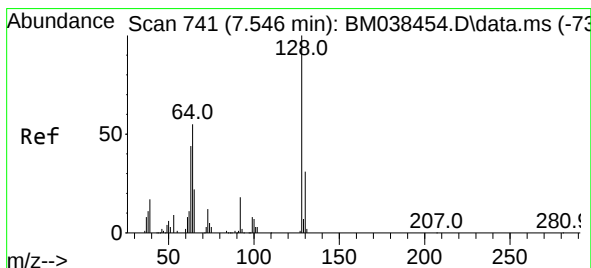
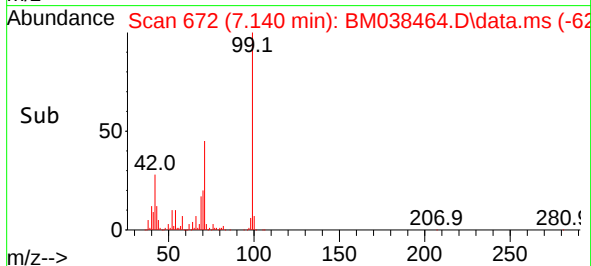
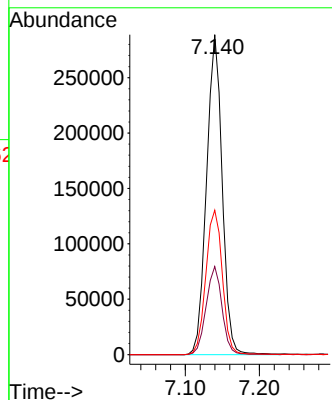
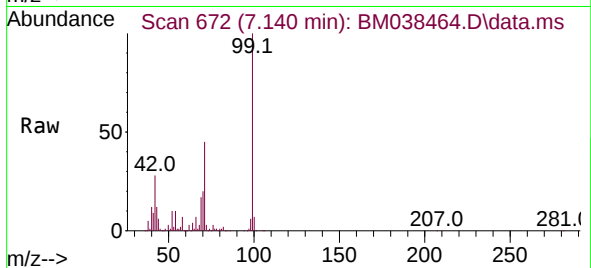
#7
Phenol-d6
Concen: 133.137 ng
RT: 7.140 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 99 Resp: 423470
Ion Ratio Lower Upper
99 100
42 27.5 20.8 31.2
71 45.1 37.8 56.8

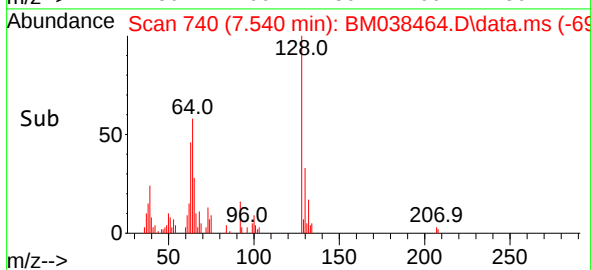
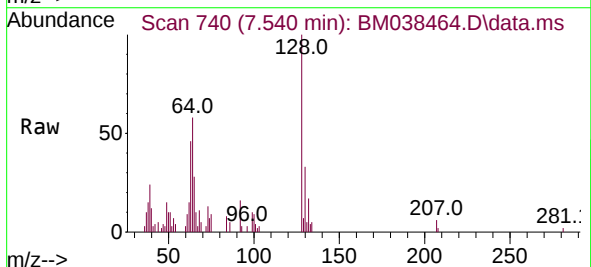
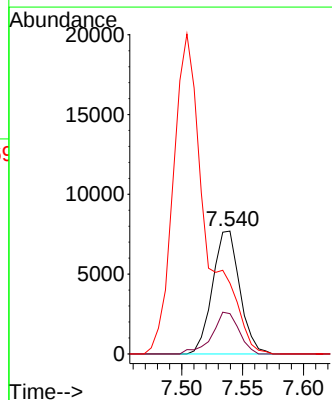
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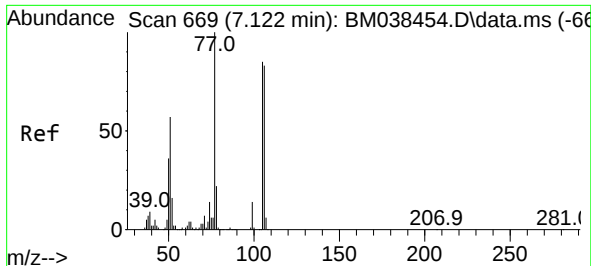
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#8
2-Chlorophenol
Concen: 4.881 ng
RT: 7.540 min Scan# 740
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:128 Resp: 11999
Ion Ratio Lower Upper
128 100
130 32.8 11.5 51.5
64 57.5 38.0 78.0





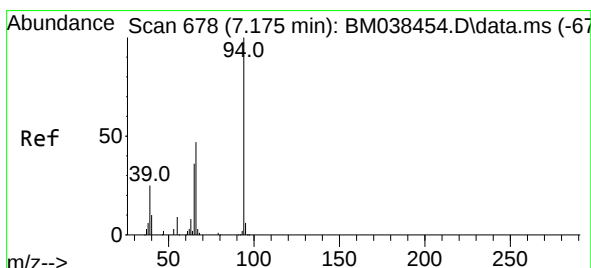
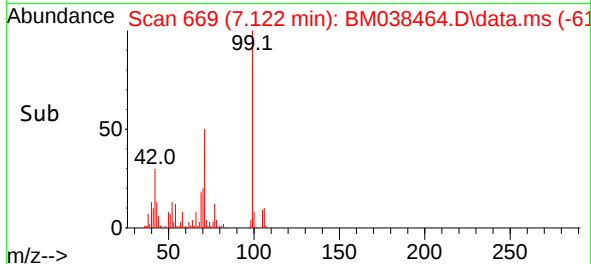
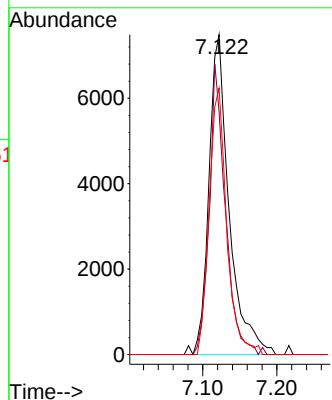
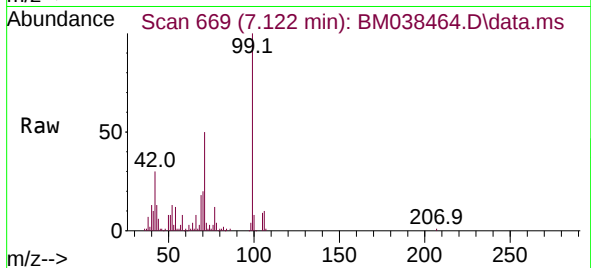
#9
Benzaldehyde
Concen: 6.692 ng
RT: 7.122 min Scan# 669
Delta R.T. -0.000 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 77 Resp: 14234
Ion Ratio Lower Upper
77 100
105 75.9 65.3 105.3
106 83.3 62.5 102.5

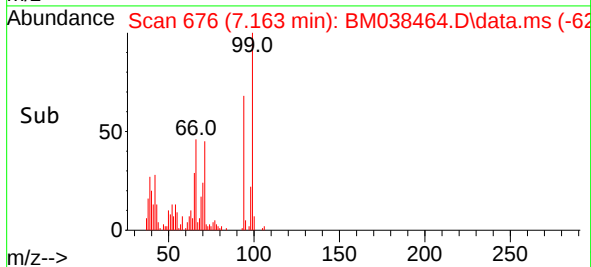
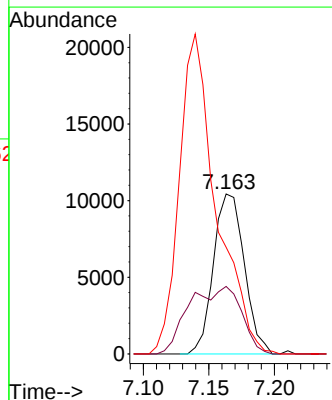
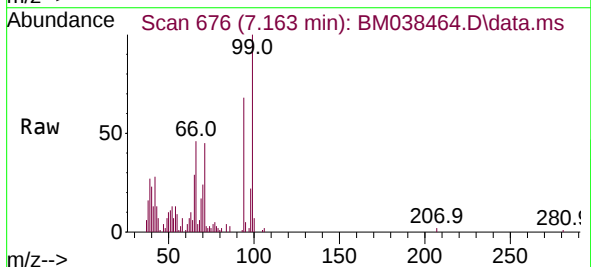
Manual Integrations
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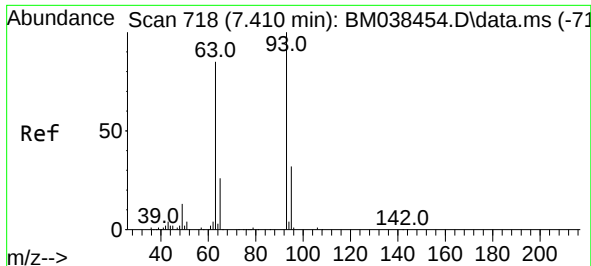
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#10
Phenol
Concen: 5.153 ng
RT: 7.163 min Scan# 676
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion: 94 Resp: 17080
Ion Ratio Lower Upper
94 100
65 42.2 16.3 56.3
66 66.7 29.2 69.2





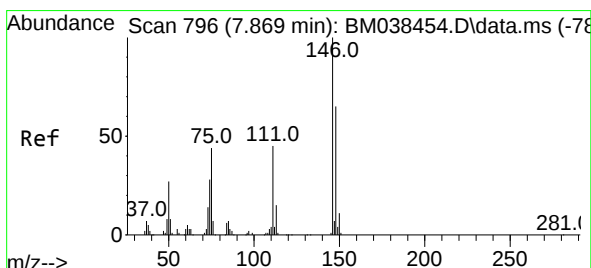
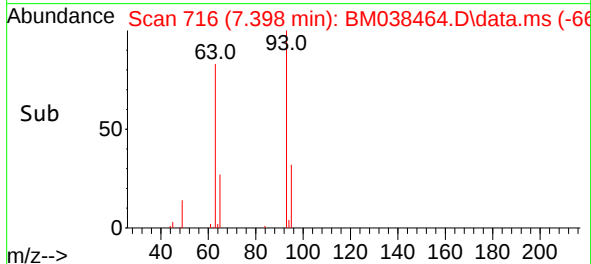
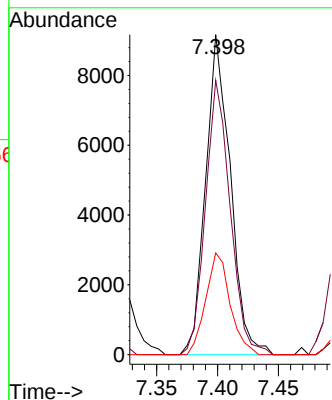
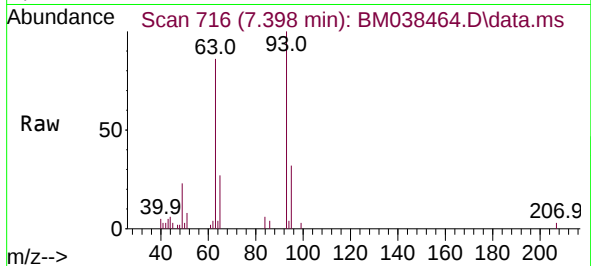
#11
bis(2-Chloroethyl)ether
Concen: 4.833 ng
RT: 7.398 min Scan# 718
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 93 Resp: 1298
Ion Ratio Lower Upper
93 100
63 85.7 64.6 104.6
95 31.8 12.0 52.0

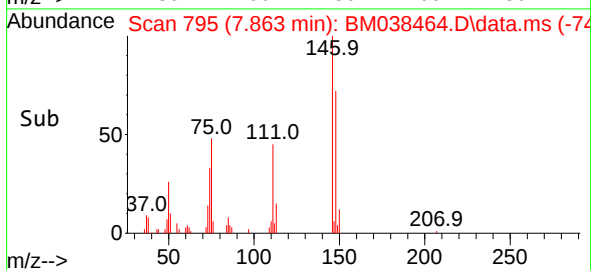
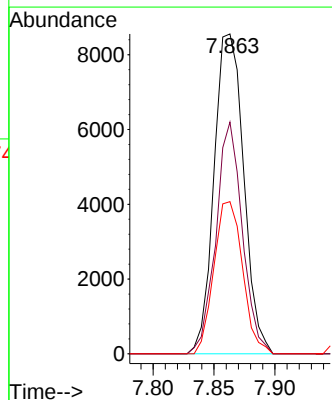
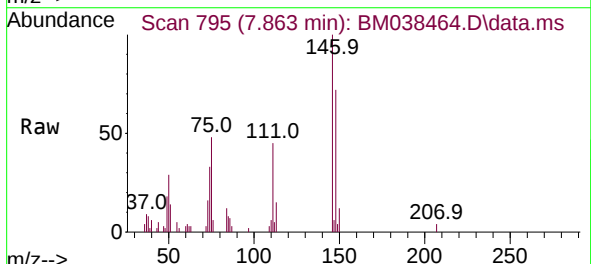
Manual Integrations
APPROVED

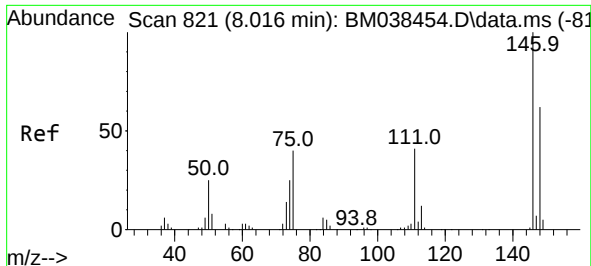
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#12
1,3-Dichlorobenzene
Concen: 5.503 ng
RT: 7.863 min Scan# 795
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:146 Resp: 14493
Ion Ratio Lower Upper
146 100
148 72.4 51.8 77.8
75 47.6 35.1 52.7





#13

1,4-Dichlorobenzene

Concen: 5.085 ng

RT: 8.016 min Scan# 81

Delta R.T. -0.000 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

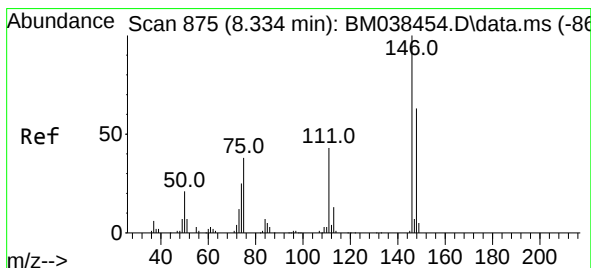
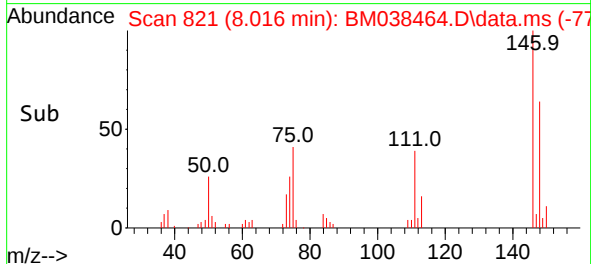
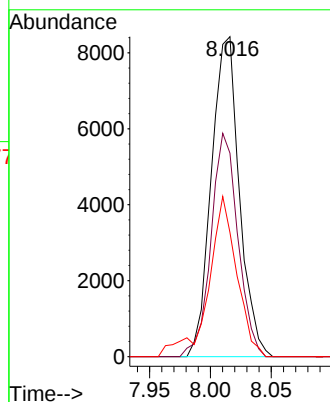
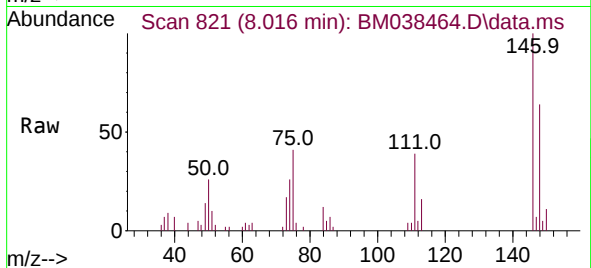
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:	146	Resp:	13474
Ion Ratio	Lower	Upper	
146	100		
148	63.6	50.1	75.1
111	38.8	32.8	49.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#14

1,2-Dichlorobenzene

Concen: 5.306 ng

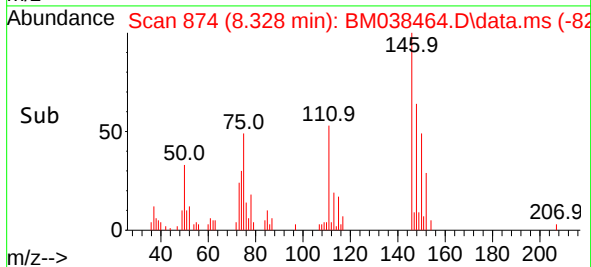
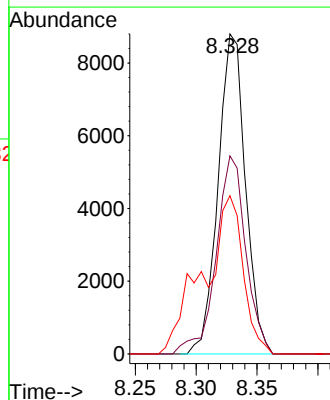
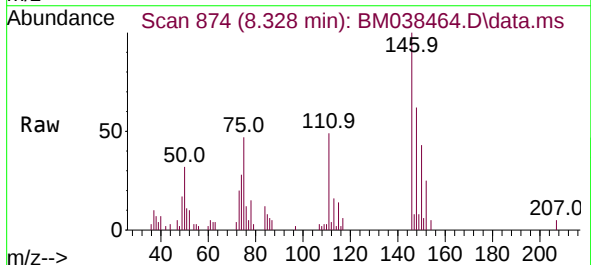
RT: 8.328 min Scan# 874

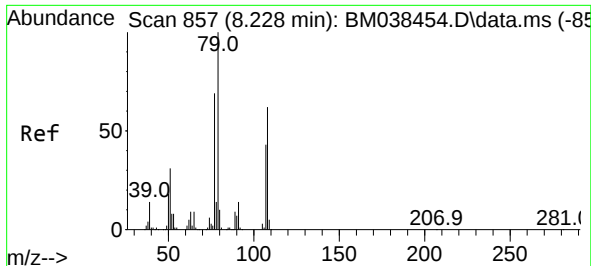
Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

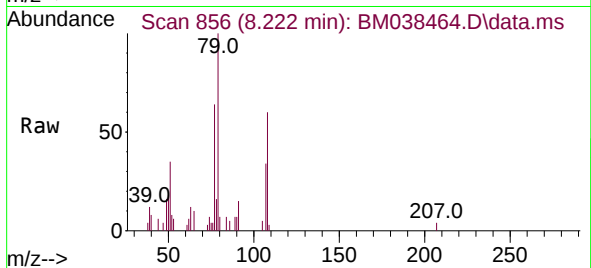
Tgt Ion:	146	Resp:	13746
Ion Ratio	Lower	Upper	
146	100		
148	61.9	50.7	76.1
111	49.4	35.2	52.8





#15
Benzyl Alcohol
Concen: 4.557 ng
RT: 8.222 min Scan# 857
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

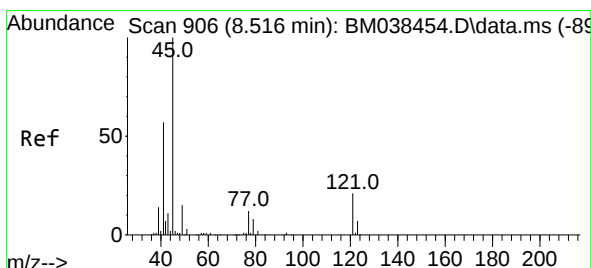
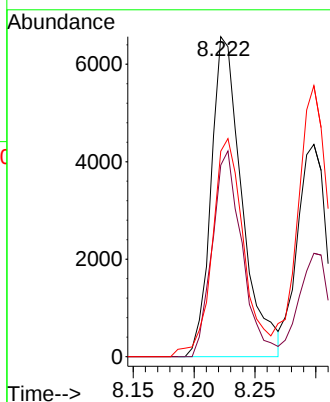
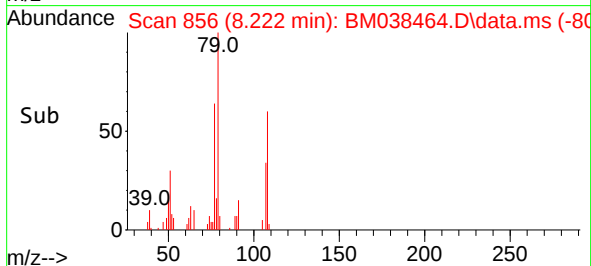
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 79 Resp: 11610
Ion Ratio Lower Upper
79 100
108 59.9 49.3 73.9
77 64.2 55.1 82.7

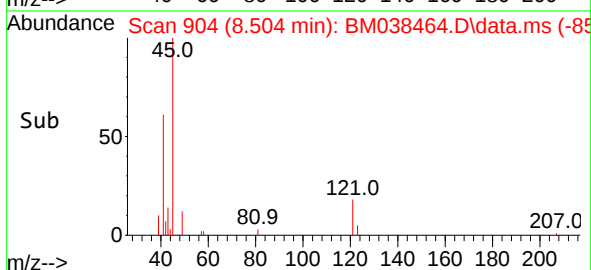
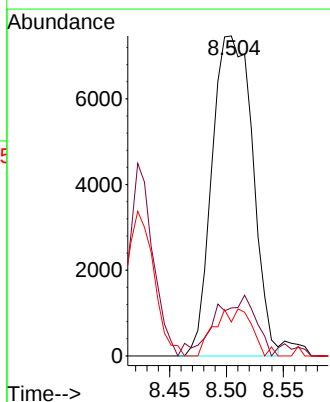
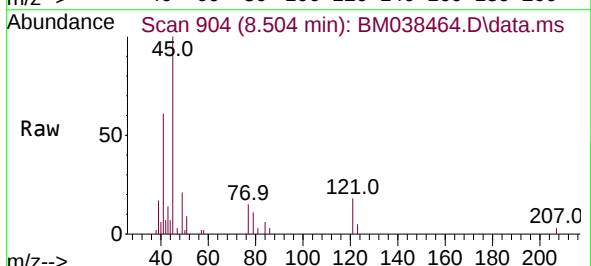
Manual Integrations
APPROVED

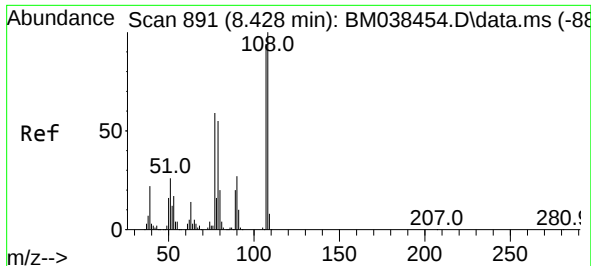
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.947 ng
RT: 8.504 min Scan# 904
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

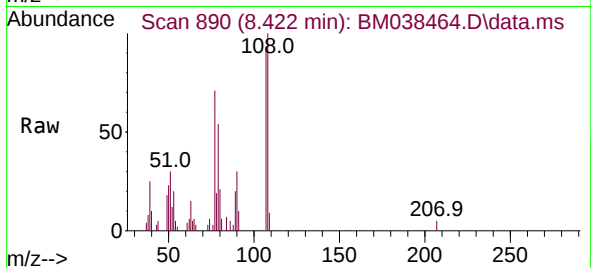
Tgt Ion: 45 Resp: 18527
Ion Ratio Lower Upper
45 100
77 15.0 0.0 34.7
79 10.6 0.0 30.4





#17
2-Methylphenol
Concen: 4.159 ng
RT: 8.422 min Scan# 891
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

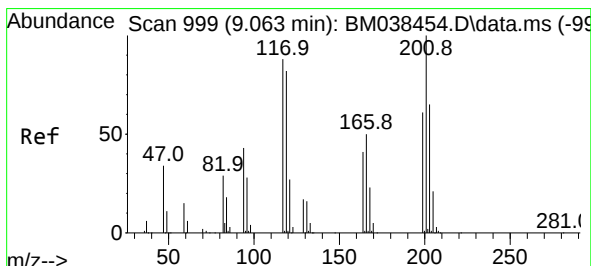
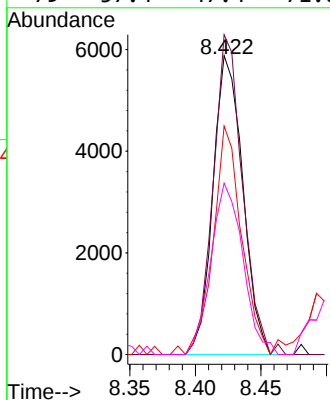
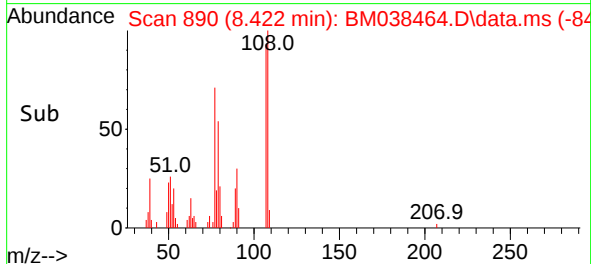
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:	107	Resp:	9310
Ion	Ratio	Lower	Upper
107	100		
108	107.0	85.7	128.5
77	76.4	50.5	75.7
79	57.4	47.4	71.0

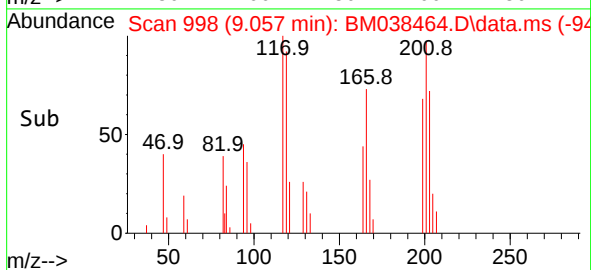
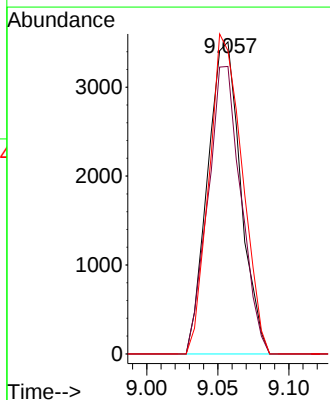
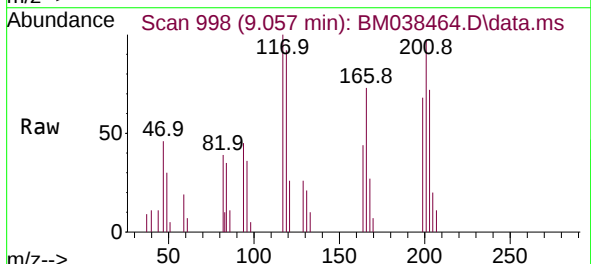
Manual Integrations
APPROVED

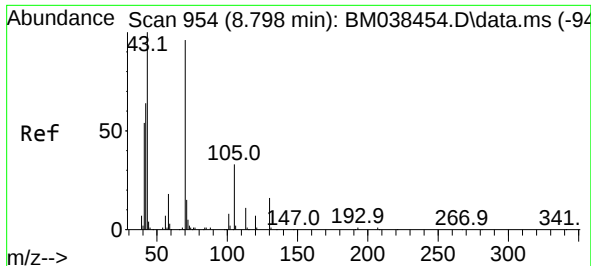
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#18
Hexachloroethane
Concen: 5.246 ng
RT: 9.057 min Scan# 998
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

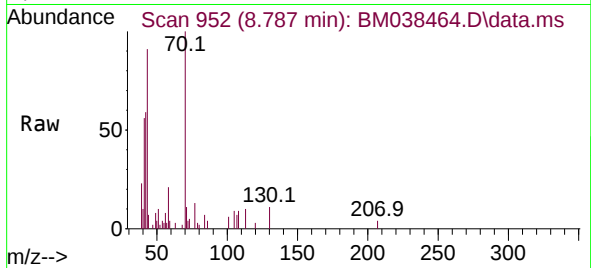
Tgt Ion:	117	Resp:	5693
Ion	Ratio	Lower	Upper
117	100		
119	92.2	74.5	111.7
201	97.2	91.3	136.9





#19
n-Nitroso-di-n-propylamine
Concen: 4.639 ng
RT: 8.787 min Scan# 911
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

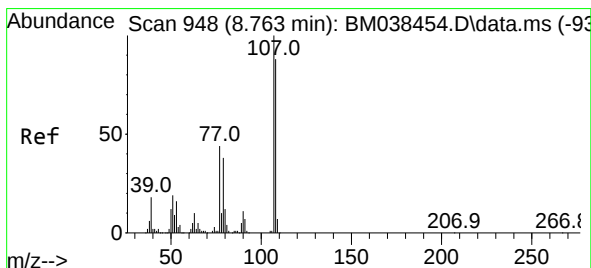
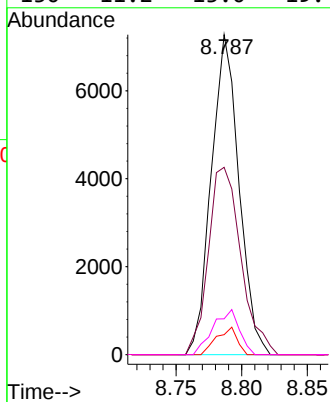
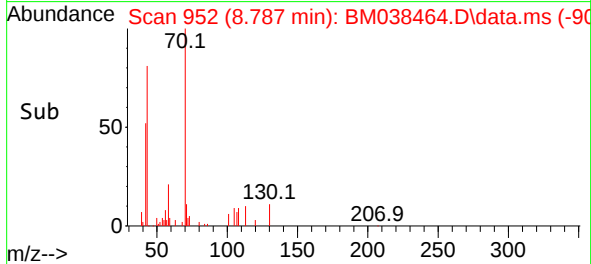
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



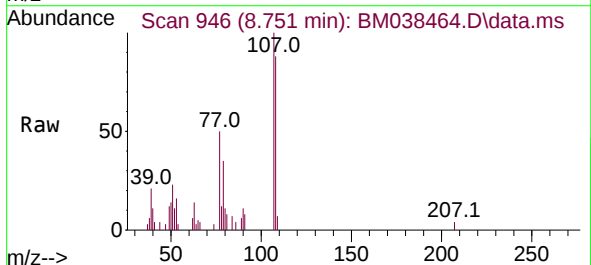
Tgt Ion: 70 Resp: 10711
Ion Ratio Lower Upper
70 100
42 58.5 54.2 81.2
101 6.2 6.6 10.0
130 11.2 13.0 19.4#

Manual Integrations
APPROVED

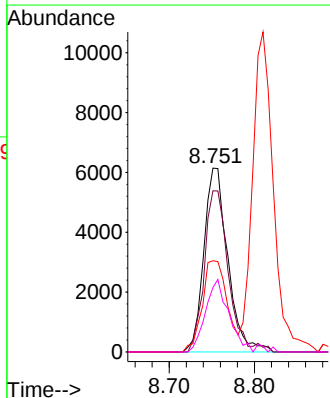
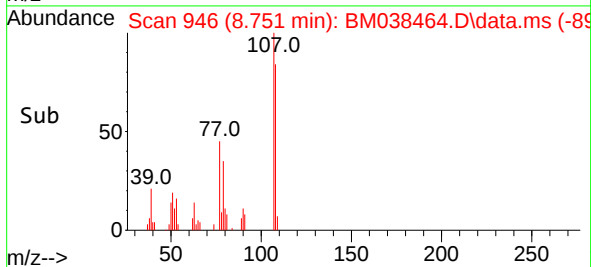
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

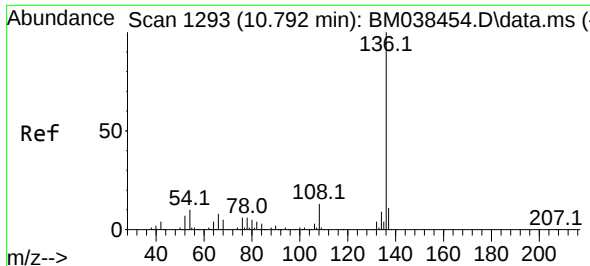


#20
3+4-Methylphenols
Concen: 3.988 ng
RT: 8.751 min Scan# 946
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34



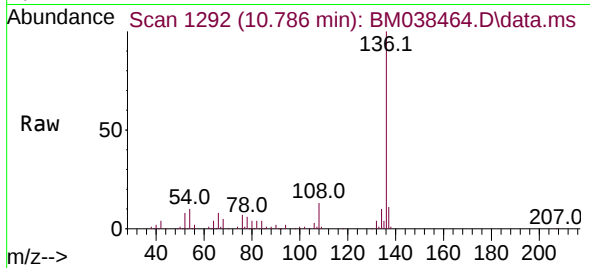
Tgt Ion:107 Resp: 11987
Ion Ratio Lower Upper
107 100
108 87.6 67.6 107.6
77 49.6 24.1 64.1
79 34.9 17.8 57.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

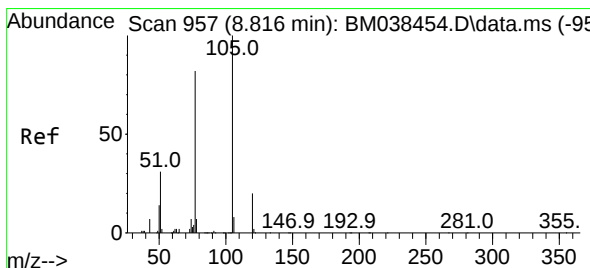
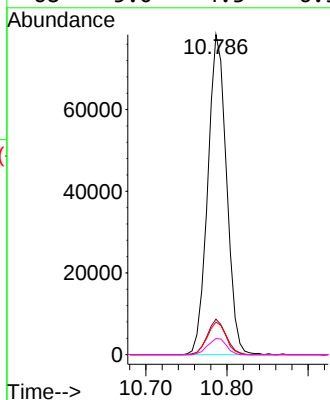
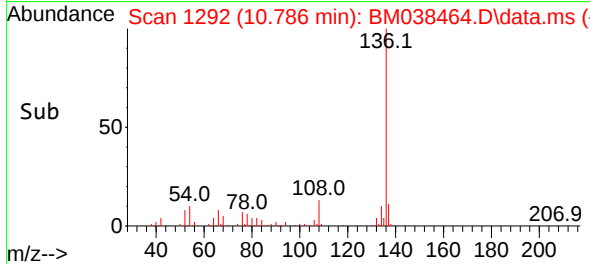
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:136 Resp: 125806
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 10.2 7.6 11.4
68 5.0 4.3 6.5

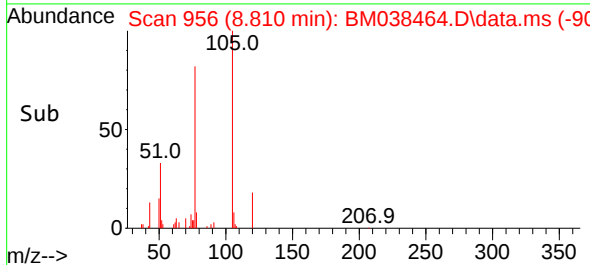
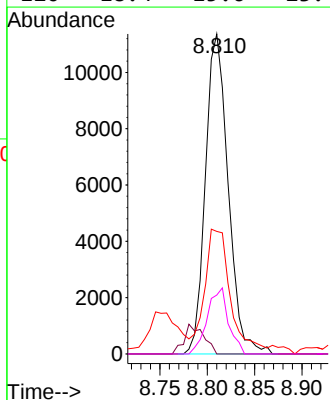
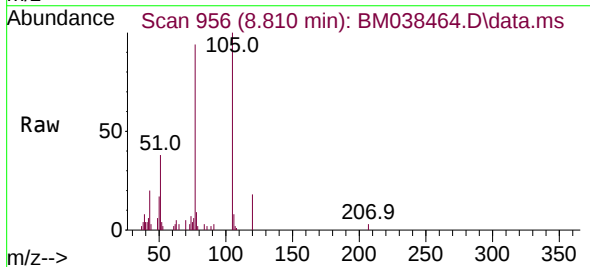
Manual Integrations
APPROVED

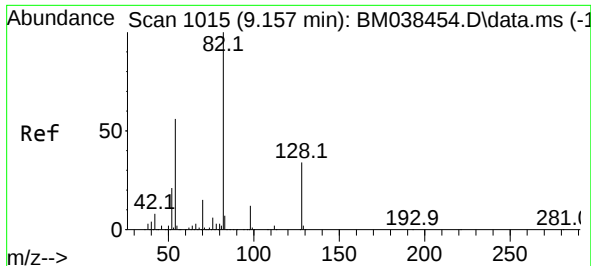
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#22
Acetophenone
Concen: 5.101 ng
RT: 8.810 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:105 Resp: 18968
Ion Ratio Lower Upper
105 100
71 0.0 1.0 1.6#
51 38.3 27.4 41.2
120 18.4 15.6 23.4





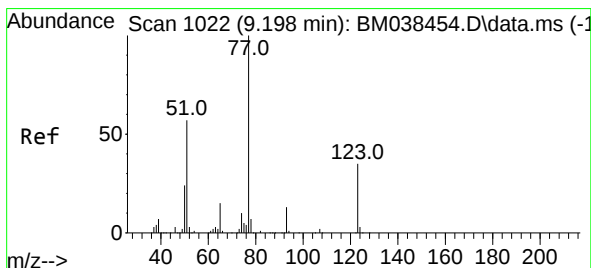
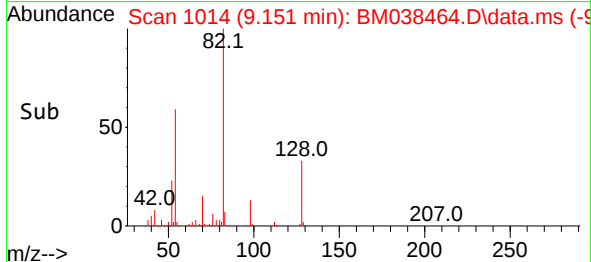
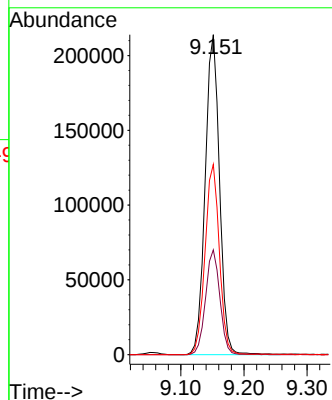
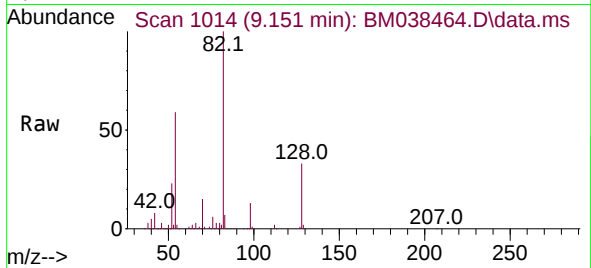
#23
Nitrobenzene-d5
Concen: 109.088 ng
RT: 9.151 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 82 Resp: 336824
Ion Ratio Lower Upper
82 100
128 32.7 27.0 40.6
54 59.4 45.0 67.6

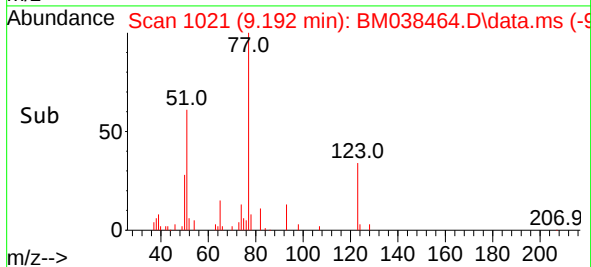
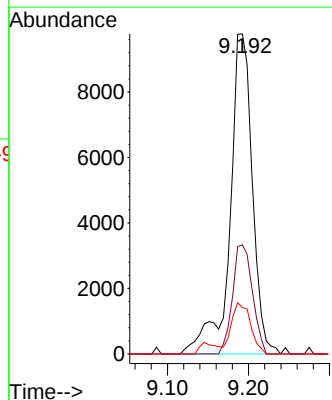
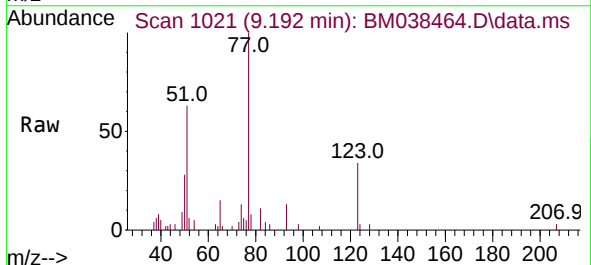
Manual Integrations
APPROVED

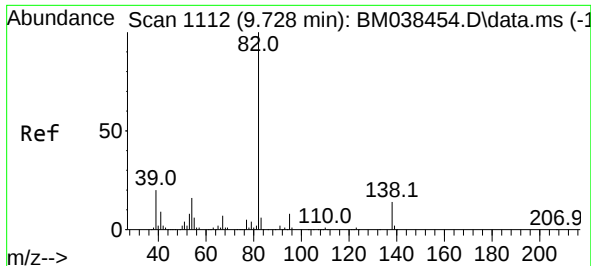
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#24
Nitrobenzene
Concen: 5.774 ng m
RT: 9.192 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

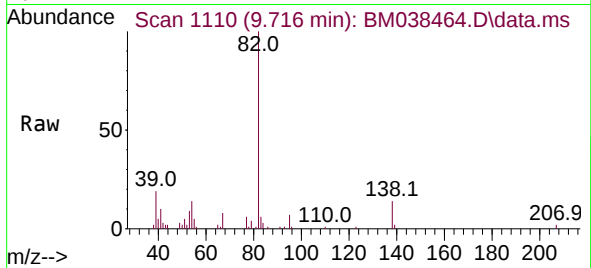
Tgt Ion: 77 Resp: 18837
Ion Ratio Lower Upper
77 100
123 34.1 28.2 42.4
65 14.5 12.1 18.1





#25
Isophorone
Concen: 4.657 ng
RT: 9.716 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

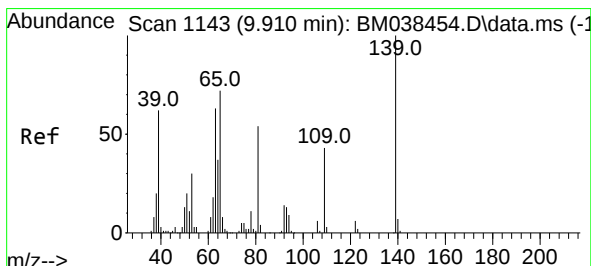
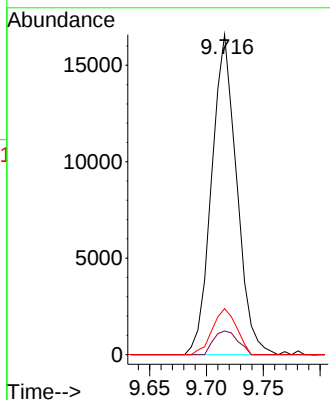
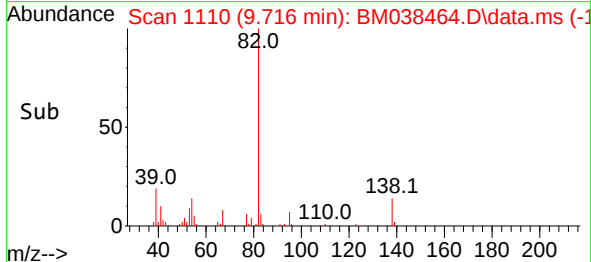
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 82 Resp: 25476
Ion Ratio Lower Upper
82 100
95 7.4 6.1 9.1
138 14.4 11.5 17.3

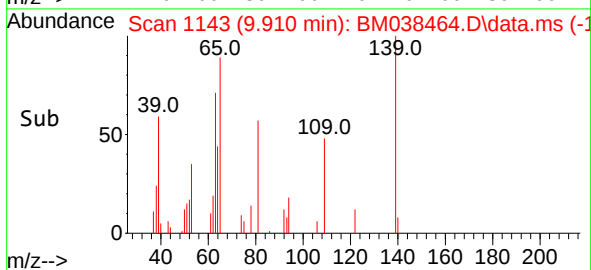
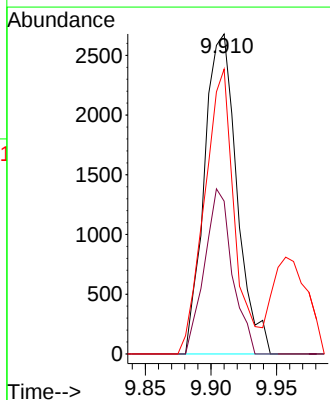
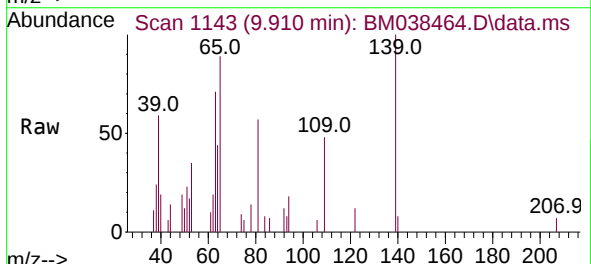
Manual Integrations
APPROVED

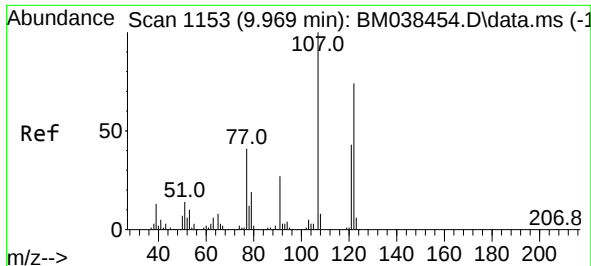
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#26
2-Nitrophenol
Concen: 4.034 ng
RT: 9.910 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:139 Resp: 4620
Ion Ratio Lower Upper
139 100
109 47.7 34.7 52.1
65 89.0 57.4 86.0#





#27

2,4-Dimethylphenol

Concen: 4.607 ng

RT: 9.963 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BM038464.D

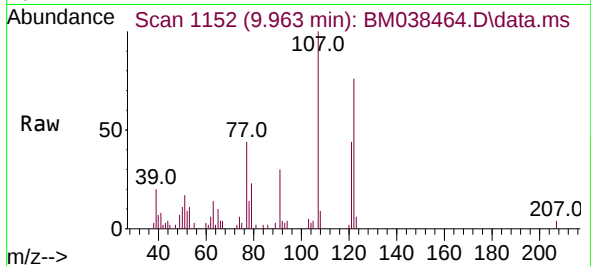
Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



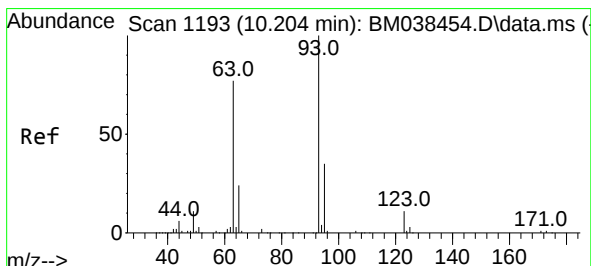
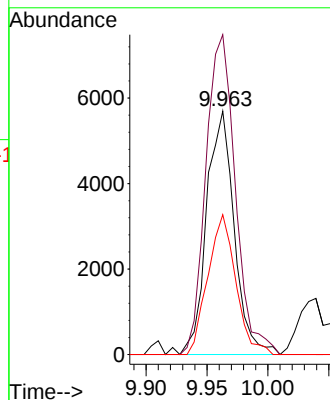
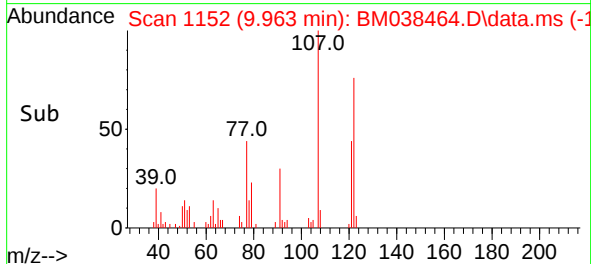
Tgt Ion:	122	Resp:	8986
Ion Ratio	Lower	Upper	
122	100		
107	131.5	107.4	161.0
121	57.5	46.6	70.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#28

bis(2-Chloroethoxy)methane

Concen: 4.924 ng

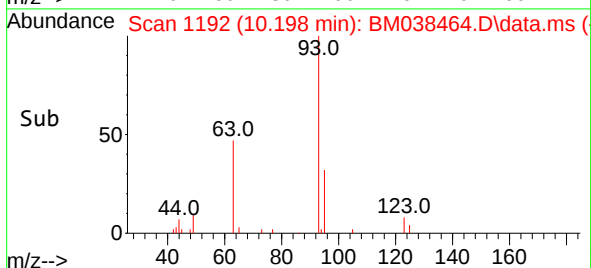
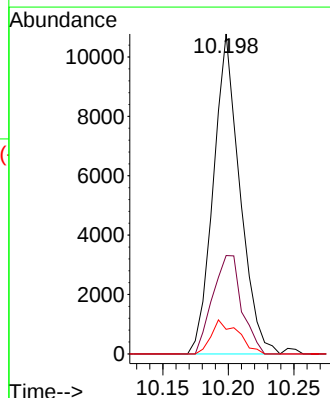
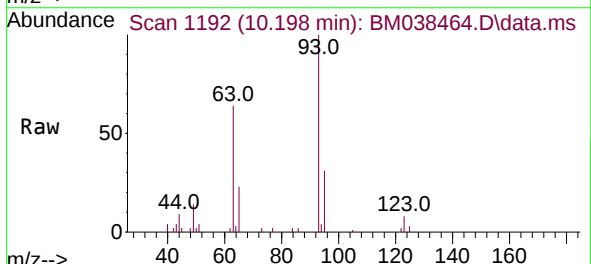
RT: 10.198 min Scan# 1192

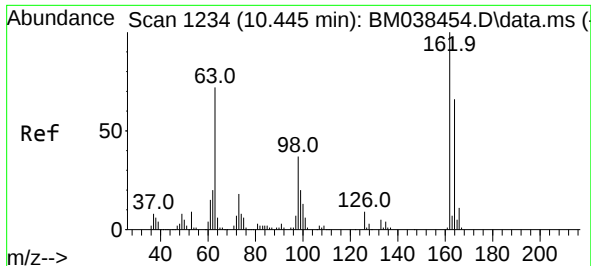
Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Tgt Ion:	93	Resp:	15145
Ion Ratio	Lower	Upper	
93	100		
95	30.7	27.7	41.5
123	7.7	8.6	13.0





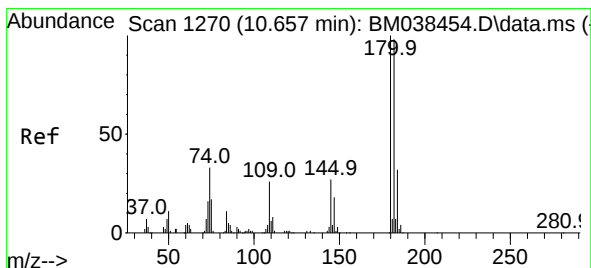
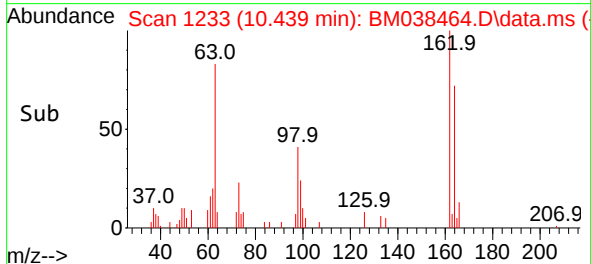
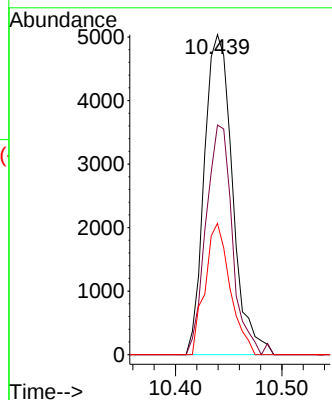
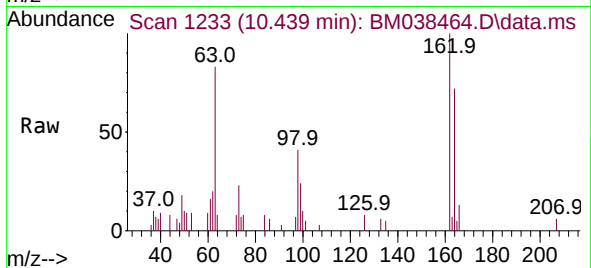
#29
2,4-Dichlorophenol
Concen: 4.294 ng
RT: 10.439 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:162 Resp: 925
Ion Ratio Lower Upper
162 100
164 71.7 46.5 86.5
98 41.0 17.1 57.1

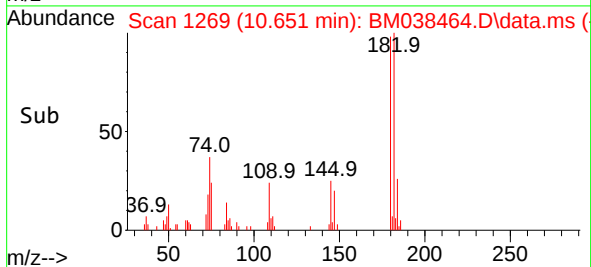
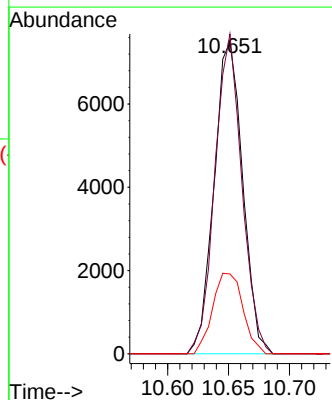
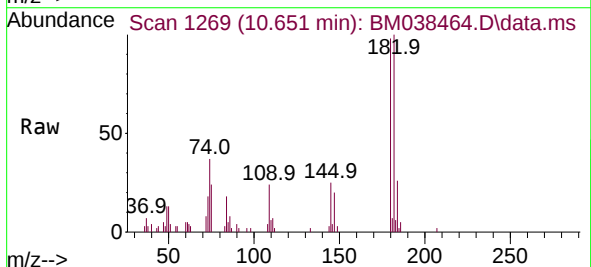
Manual Integrations
APPROVED

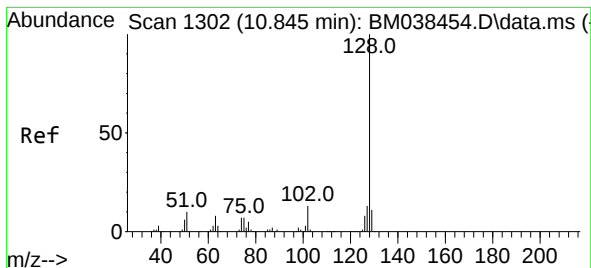
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#30
1,2,4-Trichlorobenzene
Concen: 4.912 ng
RT: 10.651 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:180 Resp: 12238
Ion Ratio Lower Upper
180 100
182 102.5 78.1 117.1
145 25.6 21.9 32.9





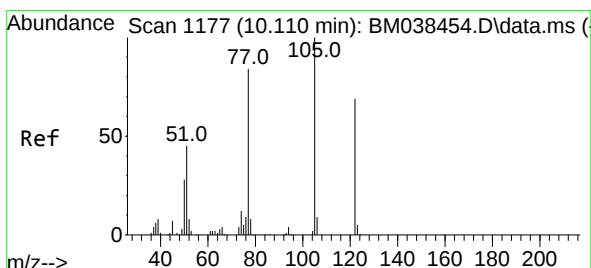
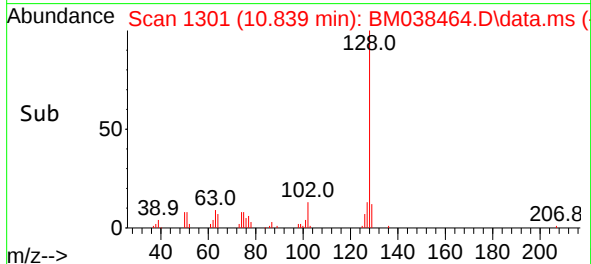
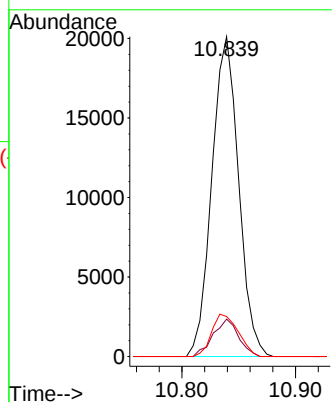
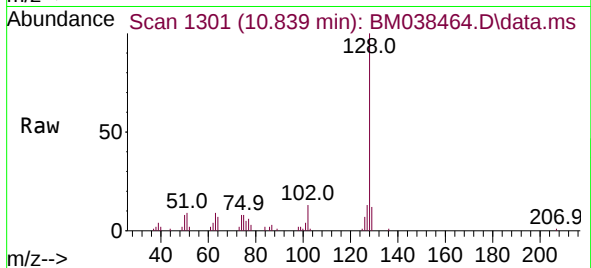
#31
Naphthalene
Concen: 4.941 ng
RT: 10.839 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:128 Resp: 32946
Ion Ratio Lower Upper
128 100
129 11.7 8.9 13.3
127 12.5 10.8 16.2

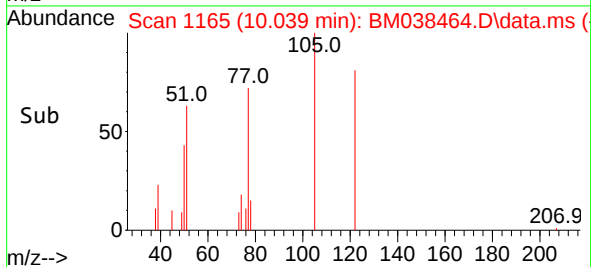
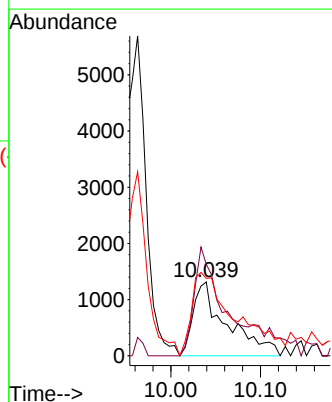
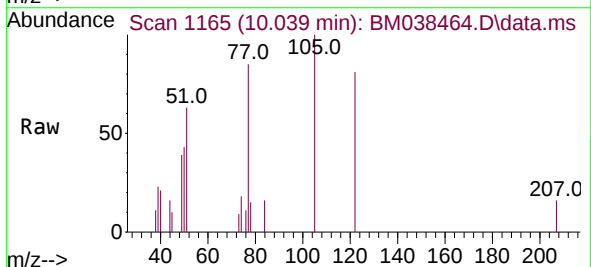
Manual Integrations
APPROVED

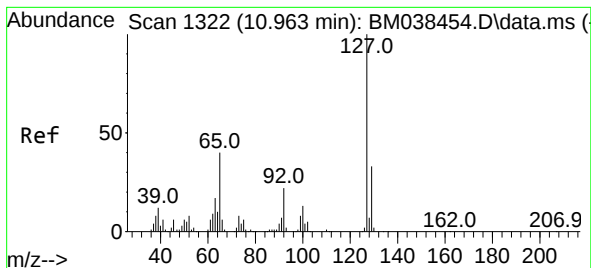
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#32
Benzoic acid
Concen: 6.997 ng
RT: 10.039 min Scan# 1165
Delta R.T. -0.071 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

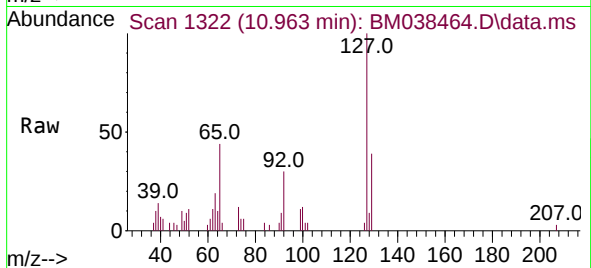
Tgt Ion:122 Resp: 3447
Ion Ratio Lower Upper
122 100
105 123.9 122.6 162.6
77 104.8 101.5 141.5





#33
4-Chloroaniline
Concen: 4.138 ng
RT: 10.963 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

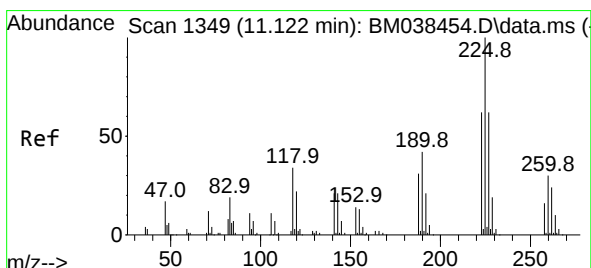
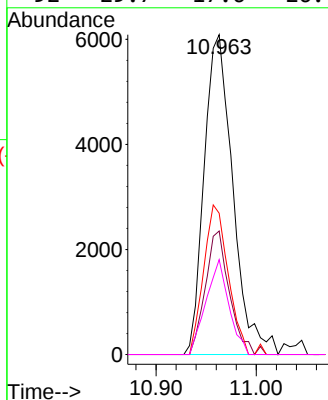
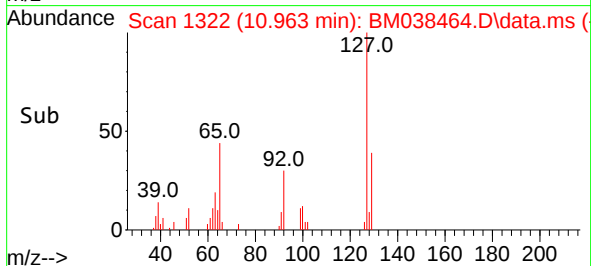
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



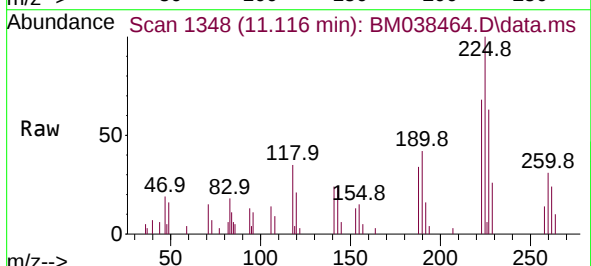
Tgt Ion	Ratio	Lower	Upper
127	100		
129	38.6	26.4	39.6
65	44.2	32.1	48.1
92	29.7	17.6	26.4

Manual Integrations
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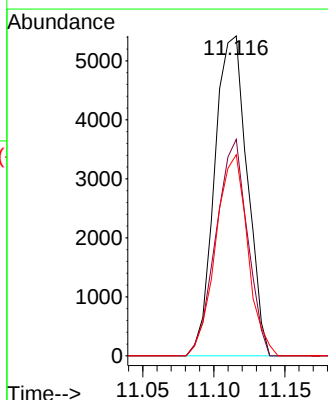
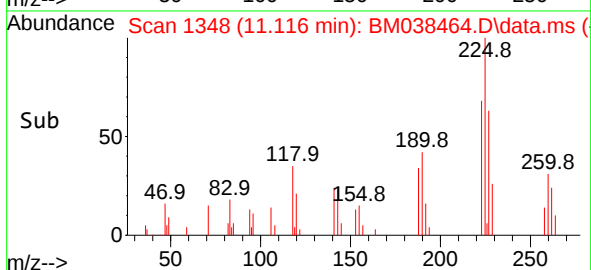
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

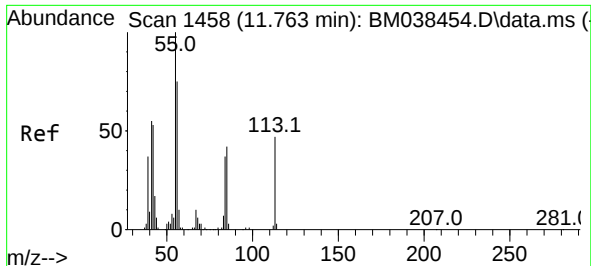


#34
Hexachlorobutadiene
Concen: 4.957 ng
RT: 11.116 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34



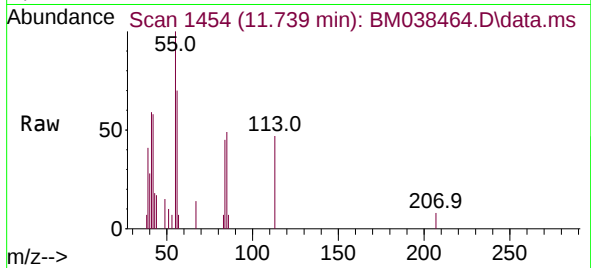
Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.7	49.8	74.8
227	62.9	49.6	74.4





#35
Caprolactam
Concen: 3.910 ng
RT: 11.739 min Scan# 1458
Delta R.T. -0.024 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

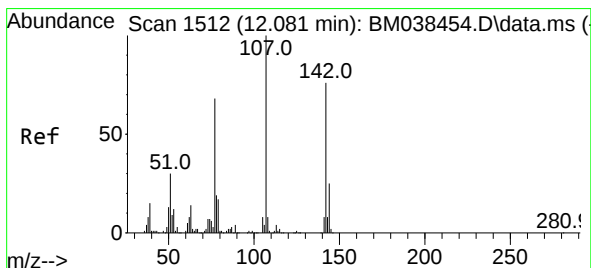
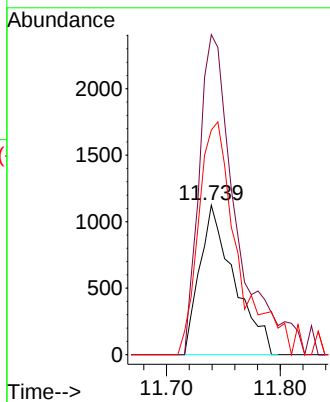
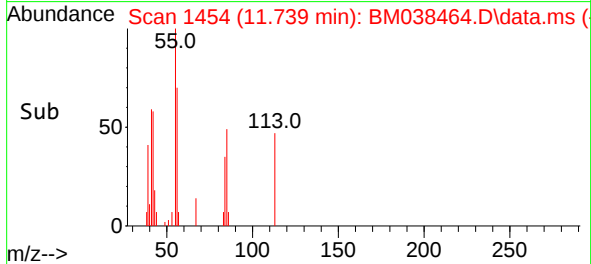
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



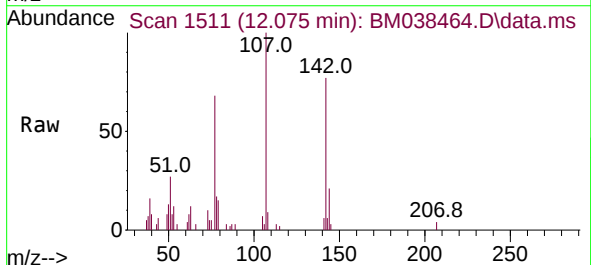
Tgt Ion:113 Resp: 2381
Ion Ratio Lower Upper
113 100
55 214.1 194.2 234.2
56 150.3 141.6 181.6

Manual Integrations
APPROVED

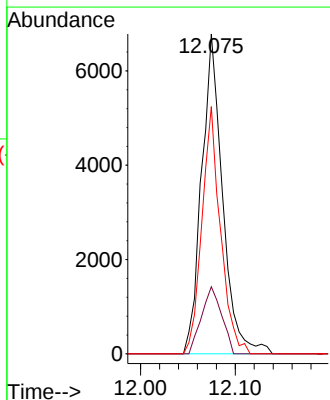
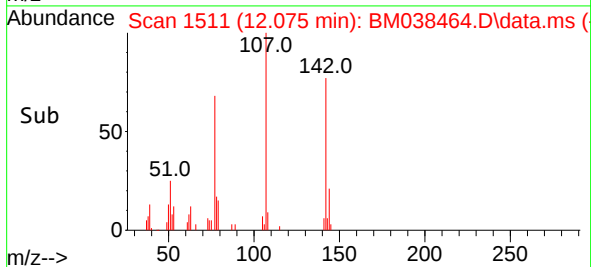
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

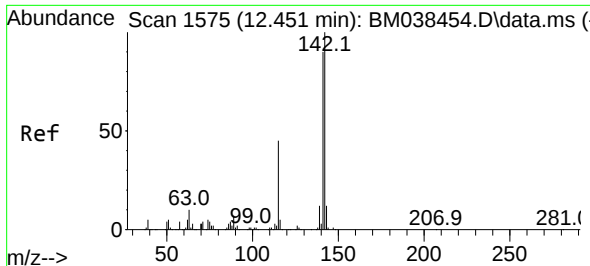


#36
4-Chloro-3-methylphenol
Concen: 4.451 ng
RT: 12.075 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34



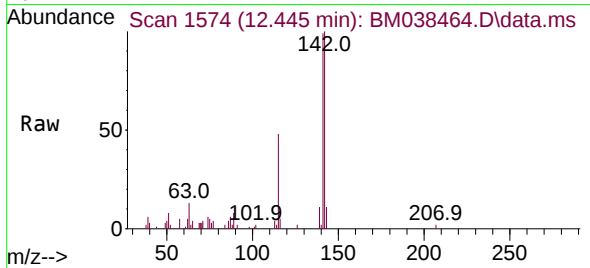
Tgt Ion:107 Resp: 10455
Ion Ratio Lower Upper
107 100
144 21.0 20.3 30.5
142 77.3 61.2 91.8





#37
2-Methylnaphthalene
Concen: 4.271 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

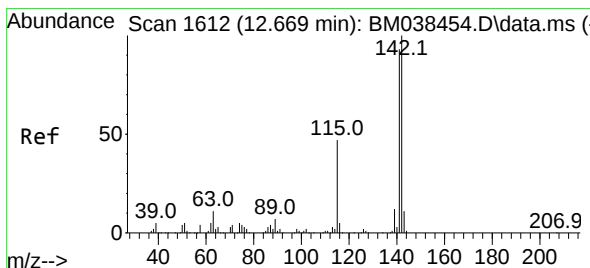
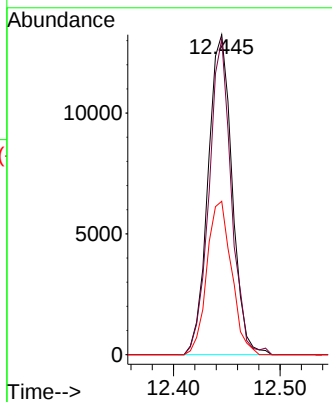
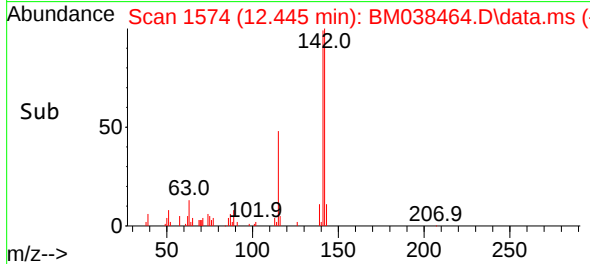
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:142 Resp: 20820
Ion Ratio Lower Upper
142 100
141 98.6 72.0 108.0
115 47.9 35.9 53.9

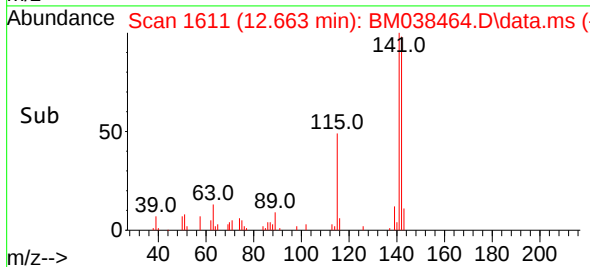
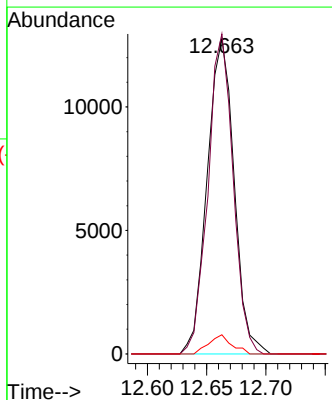
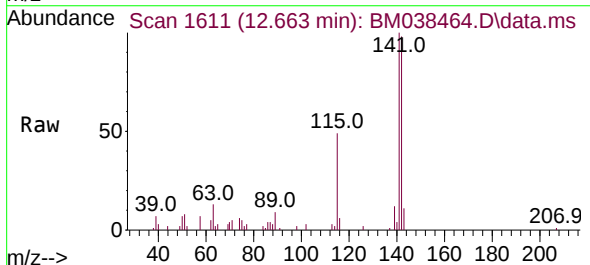
Manual Integrations
APPROVED

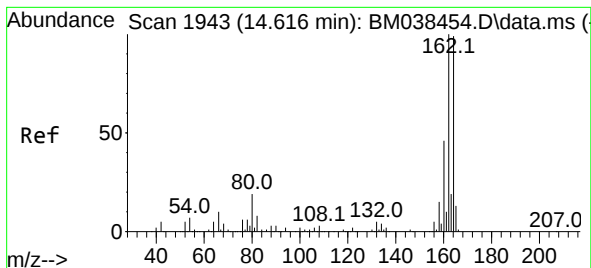
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#38
1-Methylnaphthalene
Concen: 4.406 ng m
RT: 12.663 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:142 Resp: 20166
Ion Ratio Lower Upper
142 100
141 101.5 74.4 111.6
116 6.1 3.8 5.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.610 min Scan# 1943

Delta R.T. -0.006 min

Lab File: BM038464.D

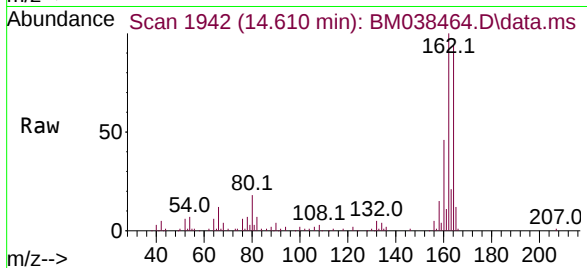
Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



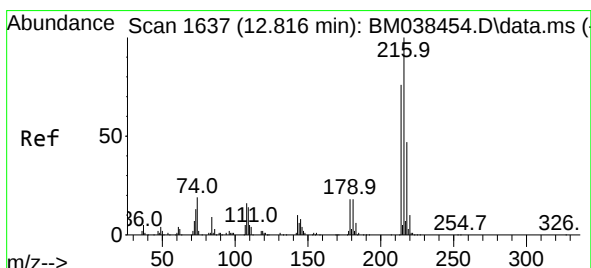
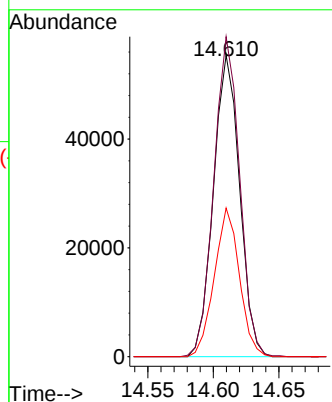
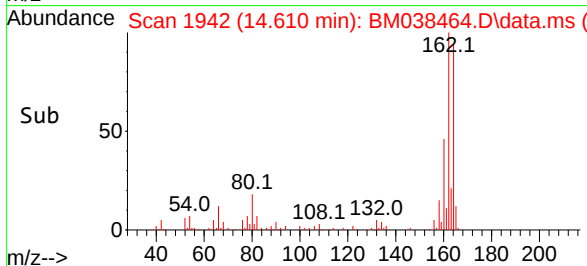
Tgt Ion:164	Resp:	77116
Ion Ratio	Lower	Upper
164	100	
162	106.2	80.9 121.3
160	49.3	37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.882 ng

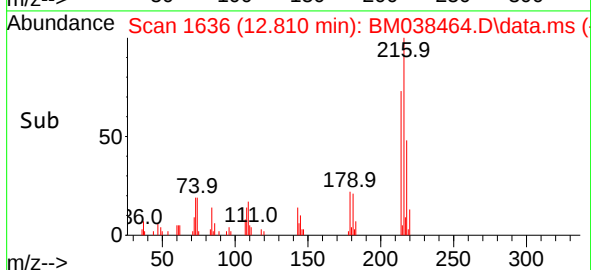
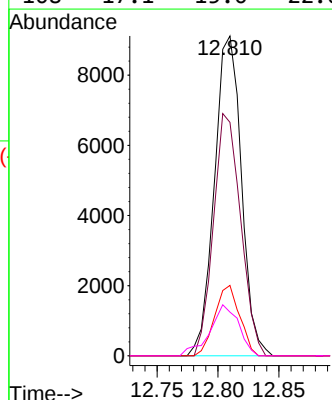
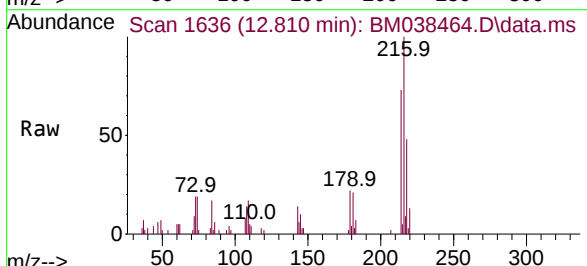
RT: 12.810 min Scan# 1636

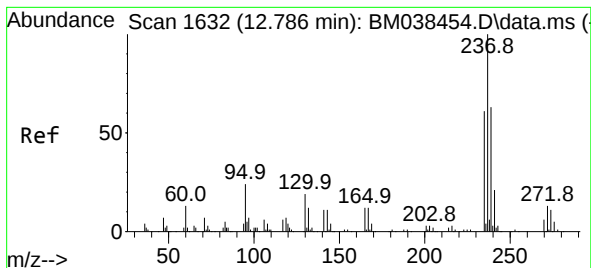
Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Tgt Ion:216	Resp:	14091
Ion Ratio	Lower	Upper
216	100	
214	76.0	61.4 92.0
179	20.4	15.3 22.9
108	17.1	15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 4.297 ng

RT: 12.780 min Scan# 1632

Delta R.T. -0.006 min

Lab File: BM038464.D

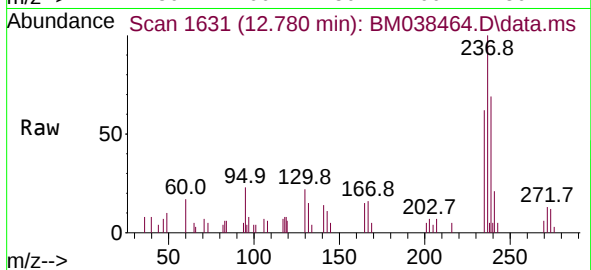
Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



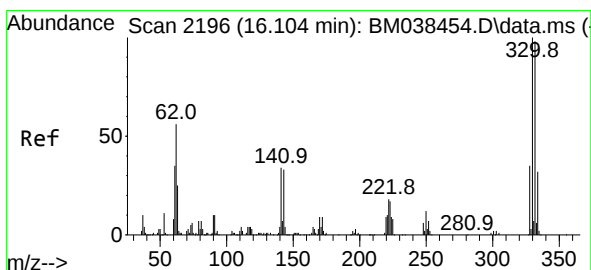
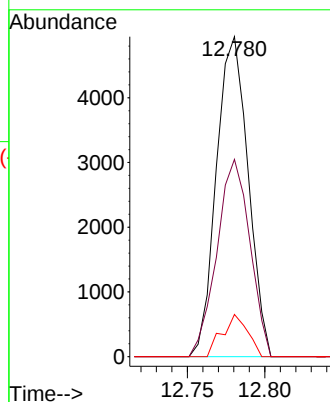
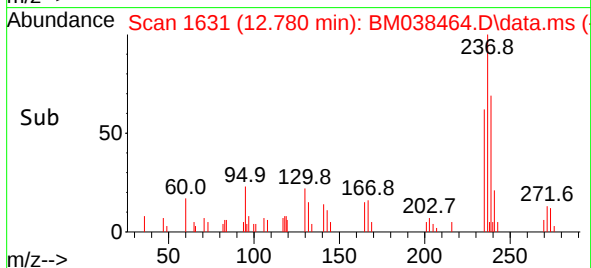
Tgt Ion:	237	Resp:	7052
Ion Ratio	Lower	Upper	
237	100		
235	61.6	40.9	80.9
272	13.2	0.0	32.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#42

2,4,6-Tribromophenol

Concen: 137.624 ng

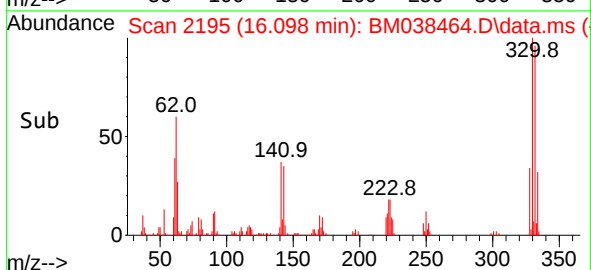
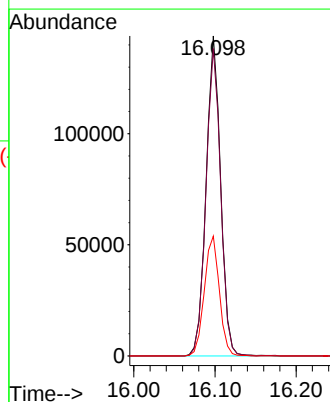
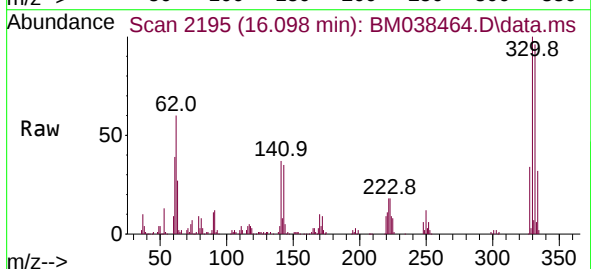
RT: 16.098 min Scan# 2195

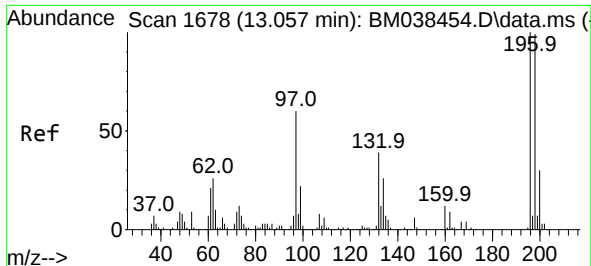
Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Tgt Ion:	330	Resp:	179413
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.0	115.4
141	38.7	28.1	42.1





#43

2,4,6-Trichlorophenol

Concen: 4.296 ng

RT: 13.051 min Scan# 1677

Delta R.T. -0.006 min

Lab File: BM038464.D

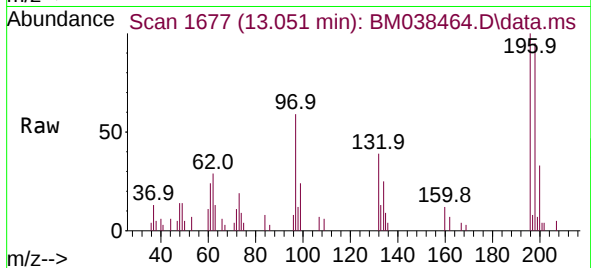
Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



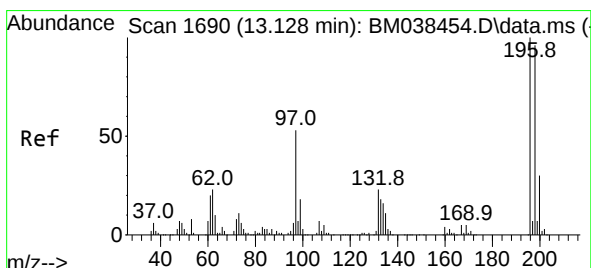
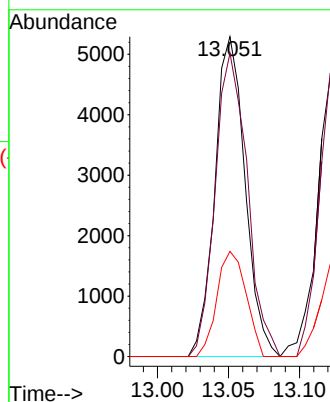
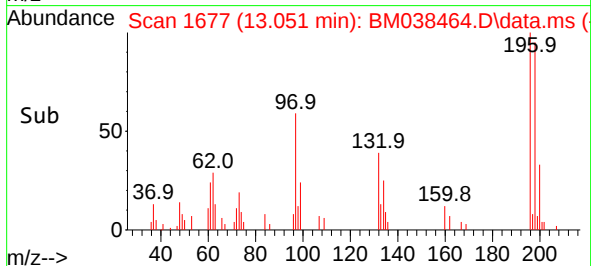
Tgt Ion:196	Resp:	7838
Ion Ratio	Lower	Upper
196	100	
198	94.8	78.8 118.2
200	32.9	24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#44

2,4,5-Trichlorophenol

Concen: 4.077 ng

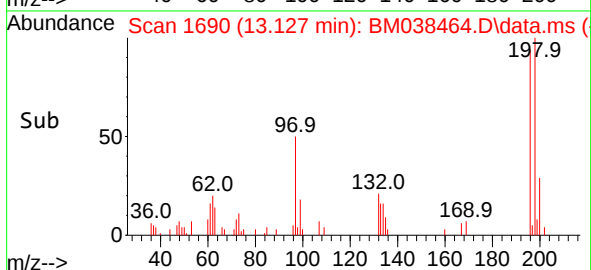
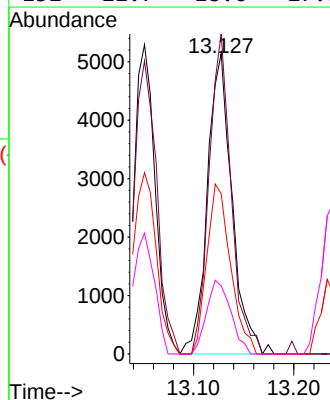
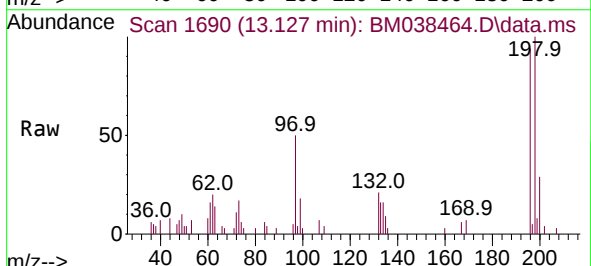
RT: 13.127 min Scan# 1690

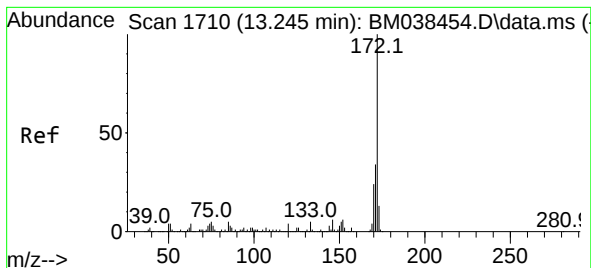
Delta R.T. -0.000 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Tgt Ion:196	Resp:	8770
Ion Ratio	Lower	Upper
196	100	
198	106.6	77.4 116.2
97	53.3	42.4 63.6
132	22.7	18.6 27.8





#45

2-Fluorobiphenyl

Concen: 106.239 ng

RT: 13.239 min Scan# 1709

Delta R.T. -0.006 min

Lab File: BM038464.D

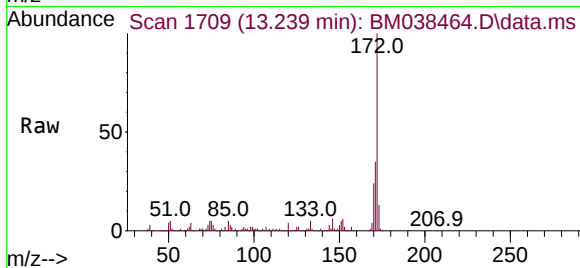
Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:172 Resp: 65694

Ion Ratio Lower Upper

172 100

171 35.1 27.5 41.3

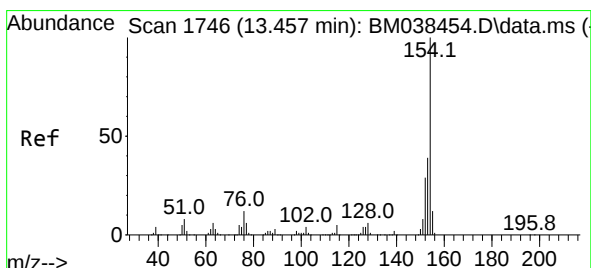
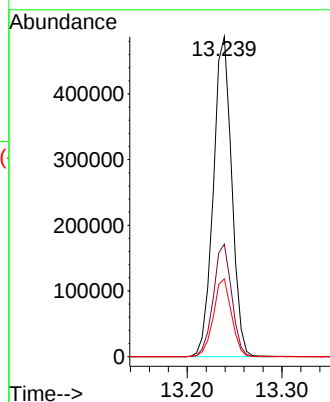
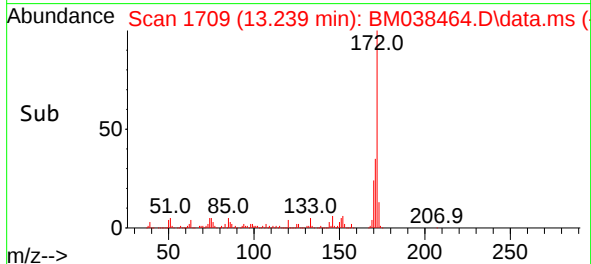
170 24.3 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#46

1,1'-Biphenyl

Concen: 5.042 ng

RT: 13.445 min Scan# 1744

Delta R.T. -0.012 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

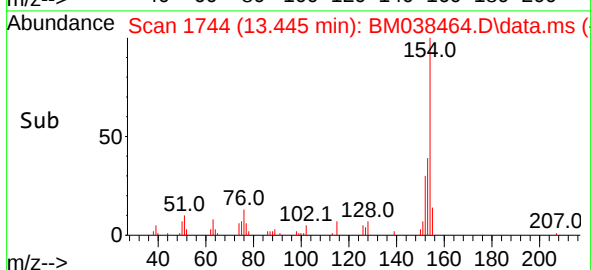
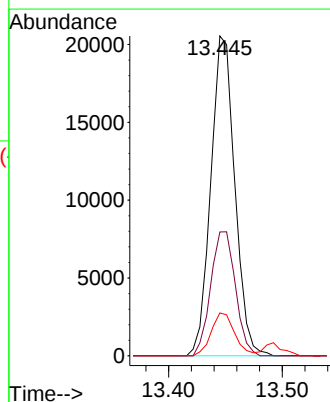
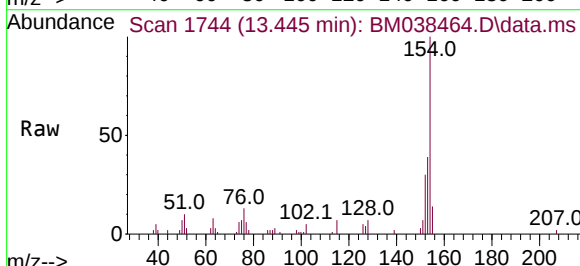
Tgt Ion:154 Resp: 30163

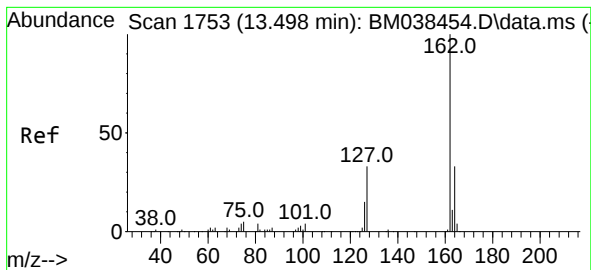
Ion Ratio Lower Upper

154 100

153 38.7 19.3 59.3

76 13.4 0.0 32.2





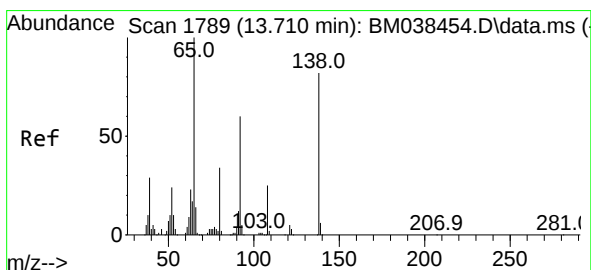
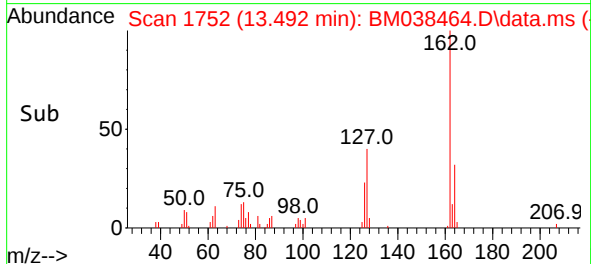
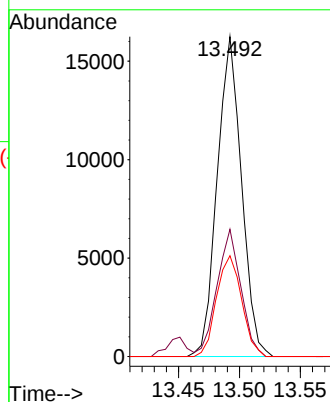
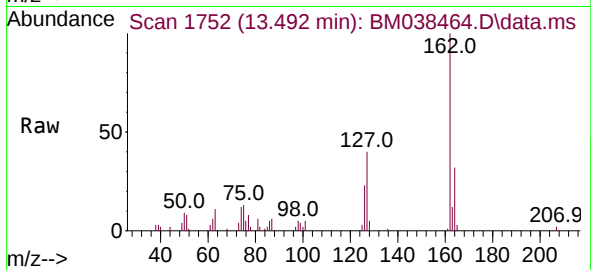
#47
2-Chloronaphthalene
Concen: 4.781 ng
RT: 13.492 min Scan# 1752
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:162 Resp: 22514
Ion Ratio Lower Upper
162 100
127 39.8 29.5 44.3
164 31.5 26.2 39.4

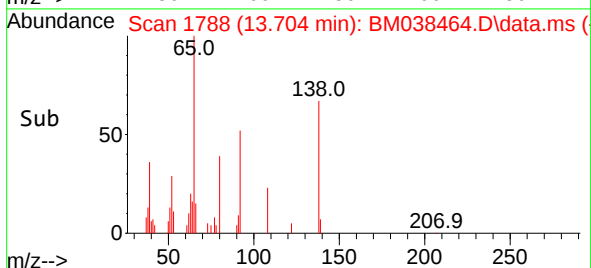
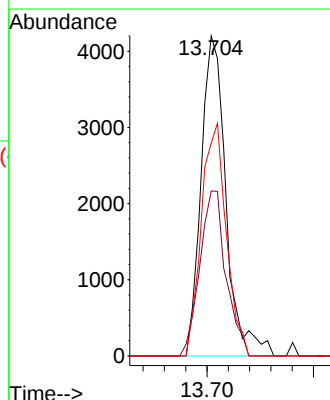
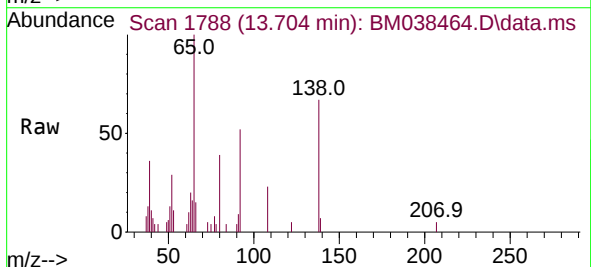
Manual Integrations
APPROVED

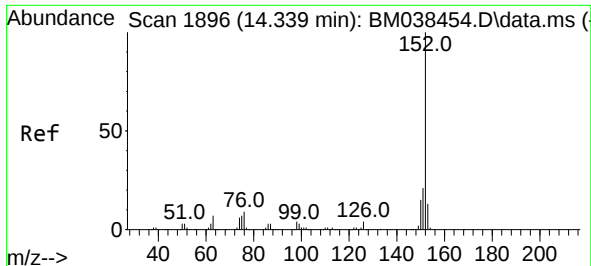
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#48
2-Nitroaniline
Concen: 5.728 ng
RT: 13.704 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

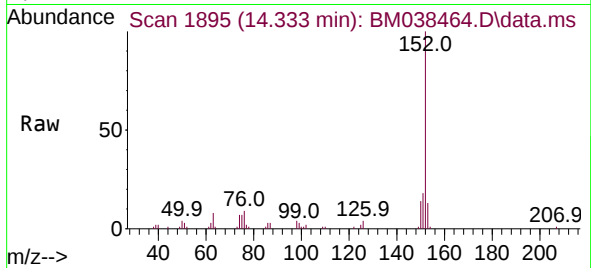
Tgt Ion: 65 Resp: 6806
Ion Ratio Lower Upper
65 100
92 51.5 47.6 71.4
138 66.5 65.8 98.8





#49
Acenaphthylene
Concen: 4.449 ng
RT: 14.333 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

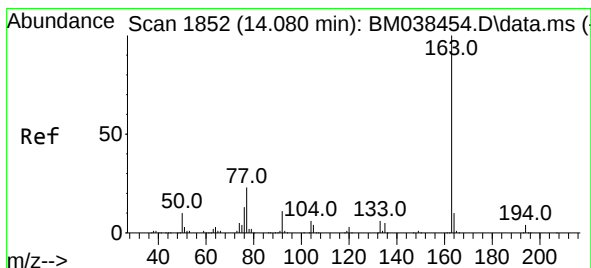
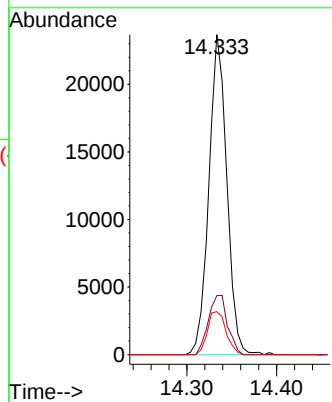
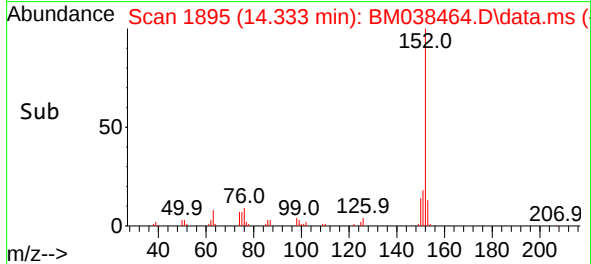
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



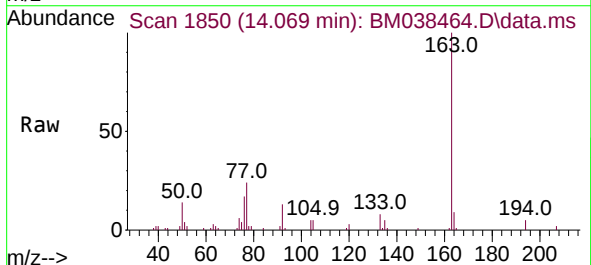
Tgt Ion:152 Resp: 33033
Ion Ratio Lower Upper
152 100
151 18.4 16.4 24.6
153 13.4 10.6 15.8

Manual Integrations
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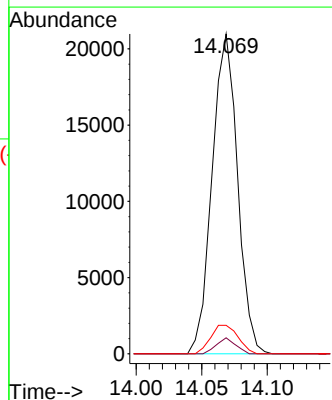
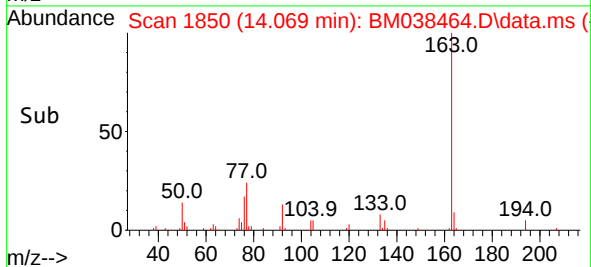
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

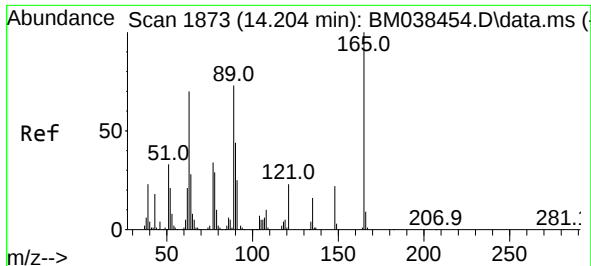


#50
Dimethylphthalate
Concen: 4.533 ng
RT: 14.069 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34



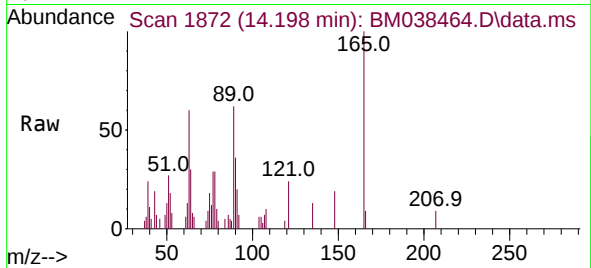
Tgt Ion:163 Resp: 28329
Ion Ratio Lower Upper
163 100
194 5.0 3.6 5.4
164 8.9 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 3.981 ng
RT: 14.198 min Scan# 1873
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

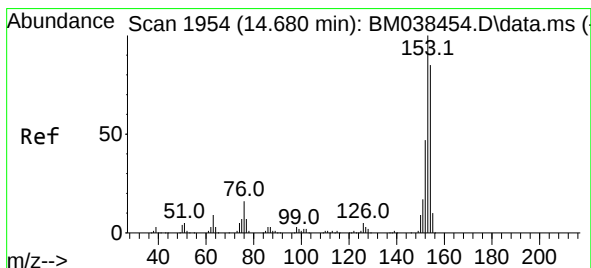
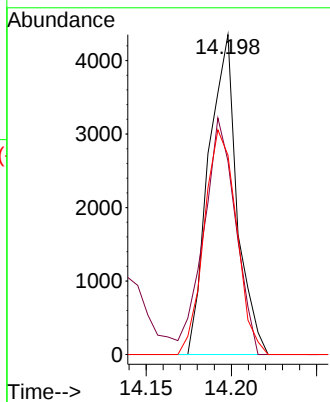
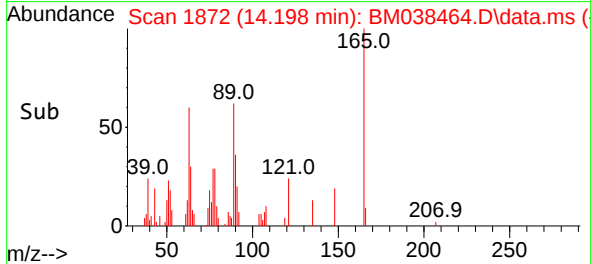
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:165 Resp: 5062
Ion Ratio Lower Upper
165 100
63 60.5 60.9 91.3
89 62.3 58.6 87.8

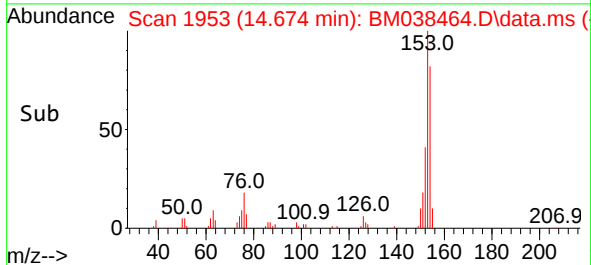
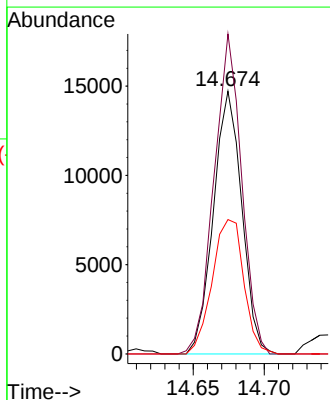
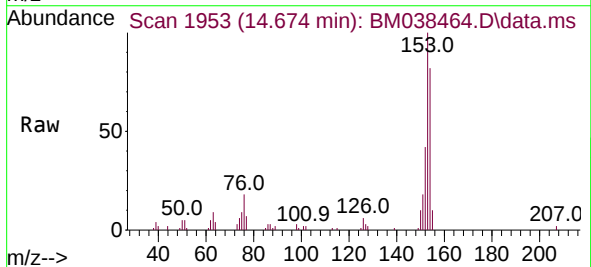
Manual Integrations
APPROVED

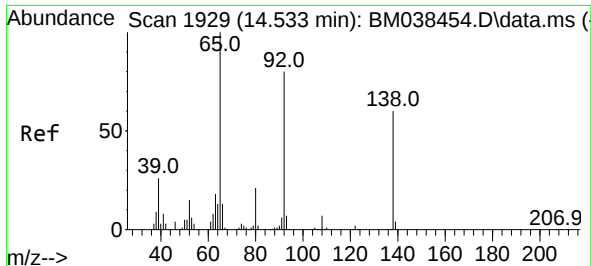
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#52
Acenaphthene
Concen: 4.532 ng
RT: 14.674 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

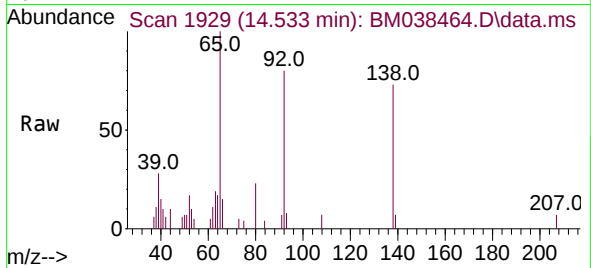
Tgt Ion:154 Resp: 20449
Ion Ratio Lower Upper
154 100
153 121.8 93.8 140.6
152 51.1 44.2 66.4





#53
3-Nitroaniline
Concen: 5.570 ng
RT: 14.533 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

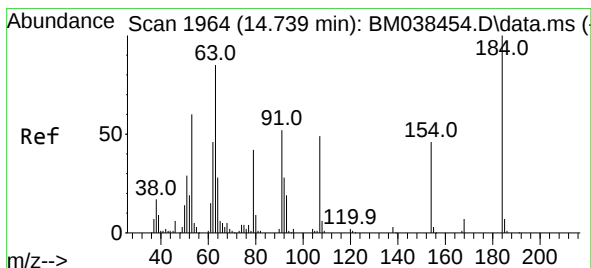
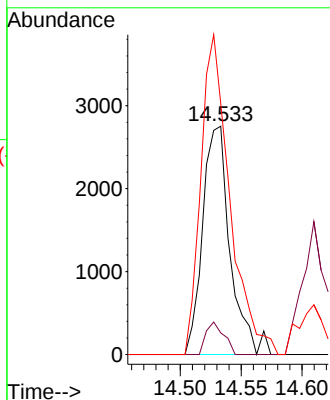
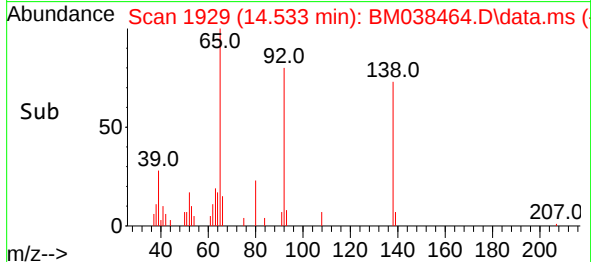
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:138 Resp: 4326
Ion Ratio Lower Upper
138 100
108 9.5 8.9 13.3
92 109.9 106.4 159.6

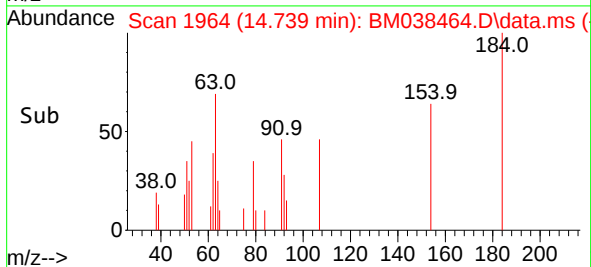
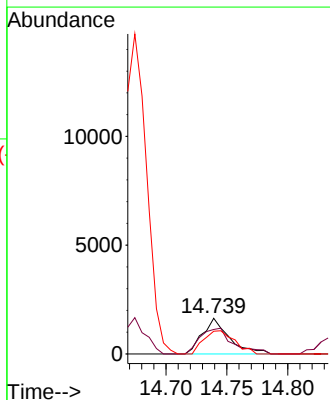
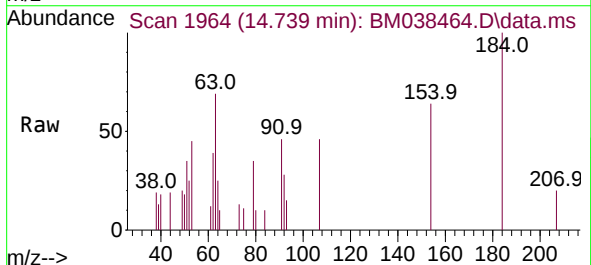
Manual Integrations
APPROVED

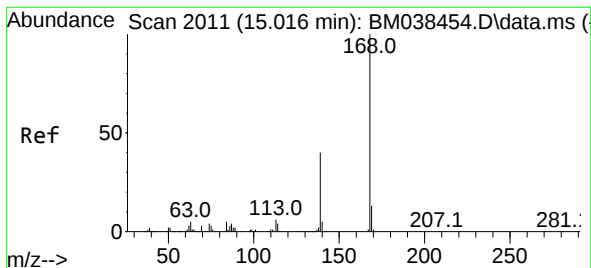
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#54
2,4-Dinitrophenol
Concen: 7.707 ng
RT: 14.739 min Scan# 1964
Delta R.T. 0.000 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

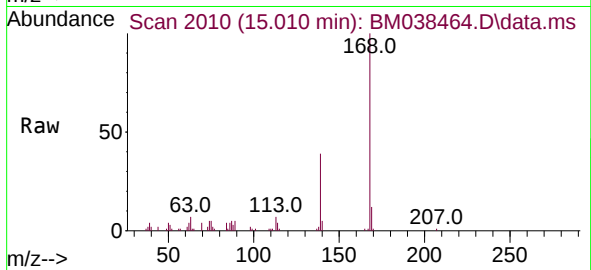
Tgt Ion:184 Resp: 2494
Ion Ratio Lower Upper
184 100
63 68.6 70.0 105.0#
154 63.6 55.6 83.4





#55
Dibenzofuran
Concen: 4.605 ng
RT: 15.010 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

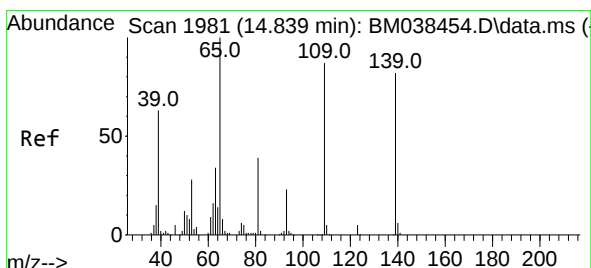
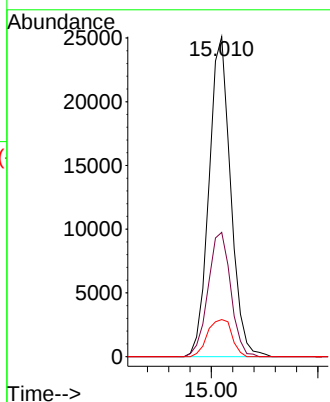
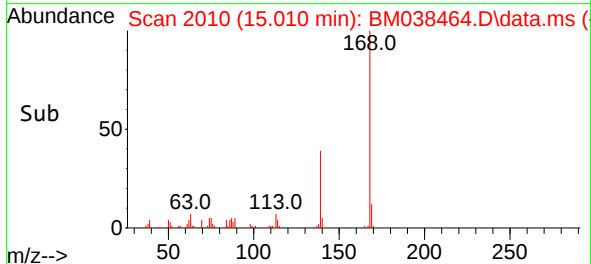
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:168 Resp: 35376
Ion Ratio Lower Upper
168 100
139 38.8 31.9 47.9
169 11.6 10.5 15.7

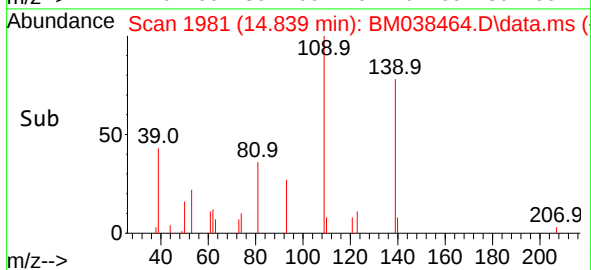
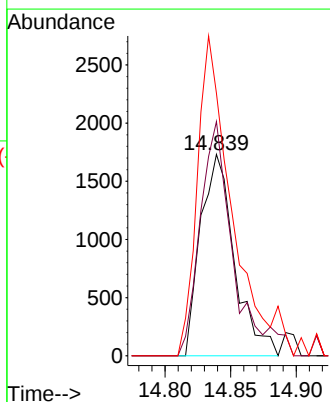
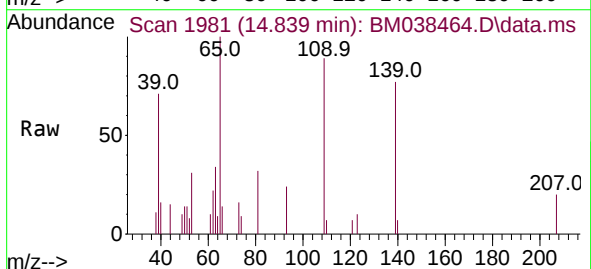
Manual Integrations
APPROVED

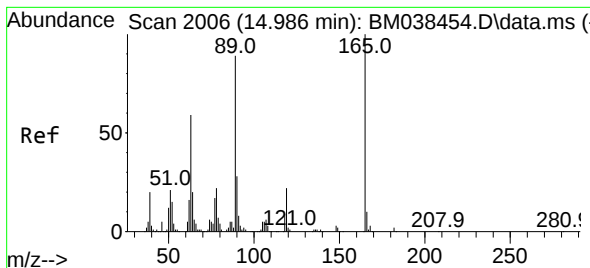
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#56
4-Nitrophenol
Concen: 6.502 ng
RT: 14.839 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

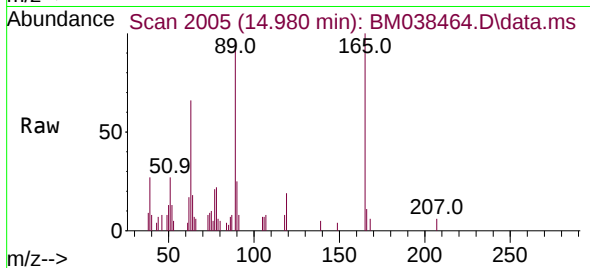
Tgt Ion:139 Resp: 3115
Ion Ratio Lower Upper
139 100
109 116.3 86.0 126.0
65 130.3 102.7 142.7





#57
2,4-Dinitrotoluene
Concen: 3.681 ng
RT: 14.980 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

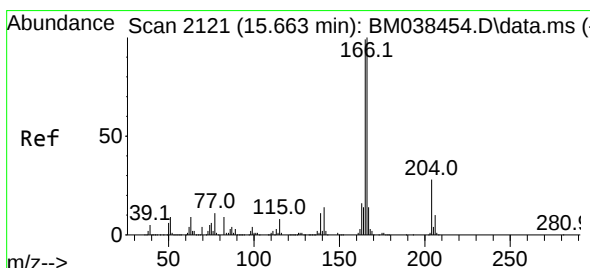
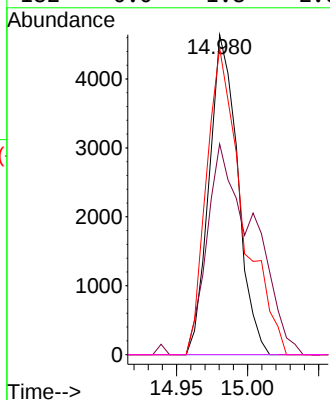
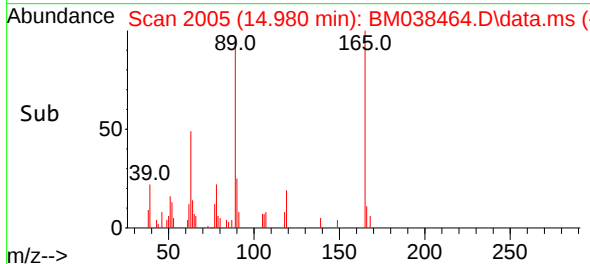
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:165 Resp: 6500
Ion Ratio Lower Upper
165 100
63 65.8 47.7 71.5
89 95.8 71.5 107.3
182 0.0 1.8 2.6#

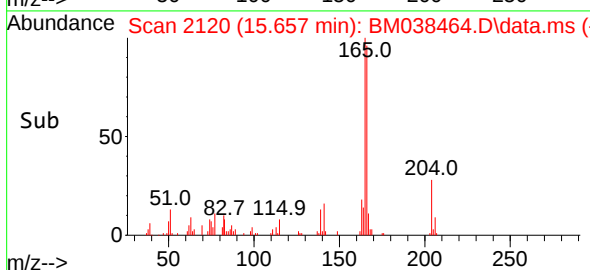
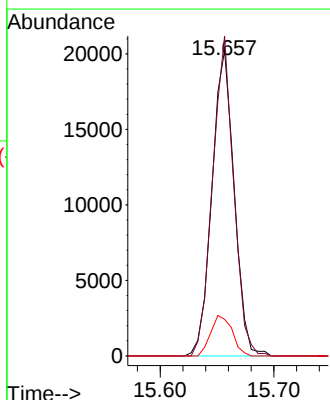
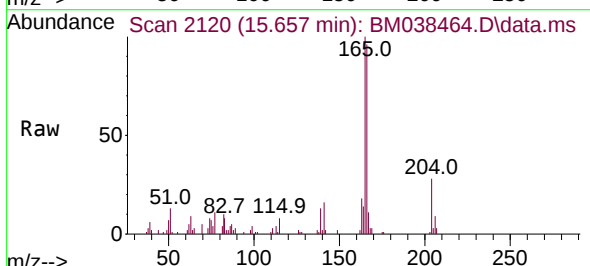
Manual Integrations
APPROVED

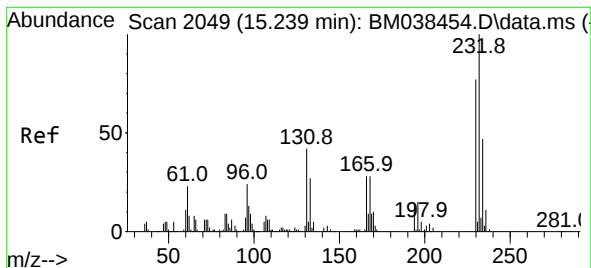
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#58
Fluorene
Concen: 4.281 ng
RT: 15.657 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

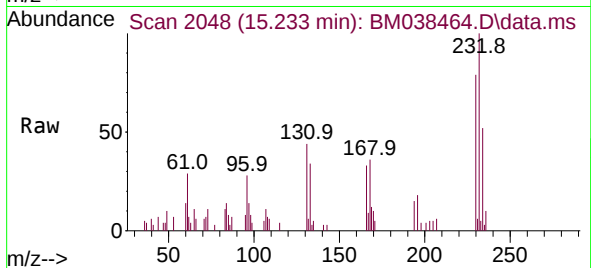
Tgt Ion:166 Resp: 27479
Ion Ratio Lower Upper
166 100
165 104.7 79.2 118.8
167 11.9 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.972 ng
RT: 15.233 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

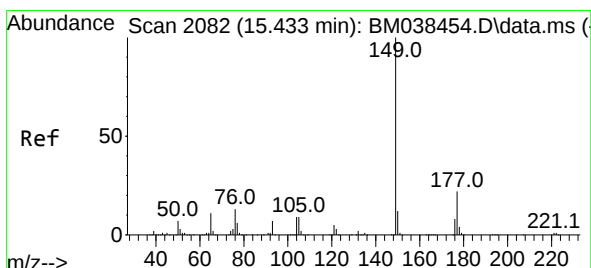
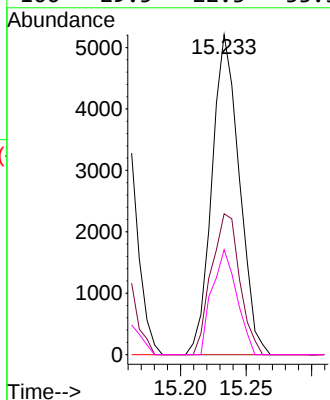
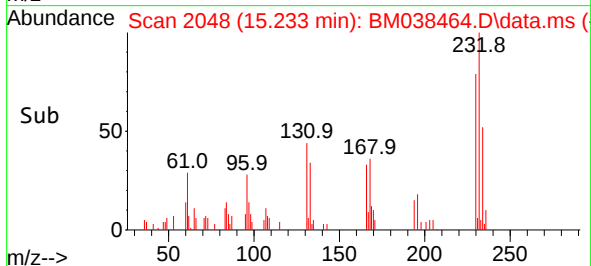
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



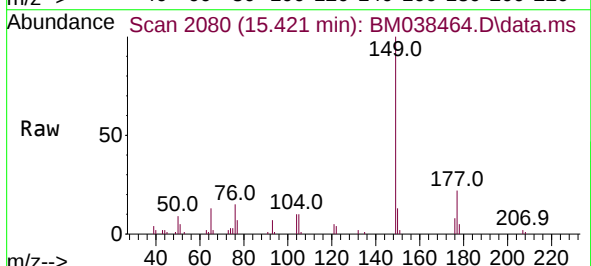
Tgt Ion:232 Resp: 7579
Ion Ratio Lower Upper
232 100
131 45.6 33.8 50.6
130 0.0 1.9 2.9
166 29.5 22.3 33.5

Manual Integrations
APPROVED

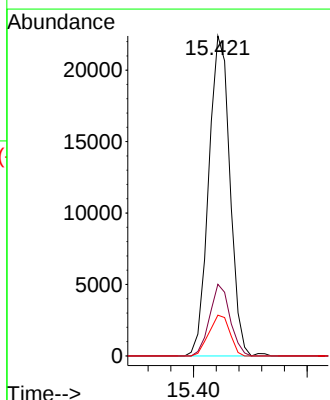
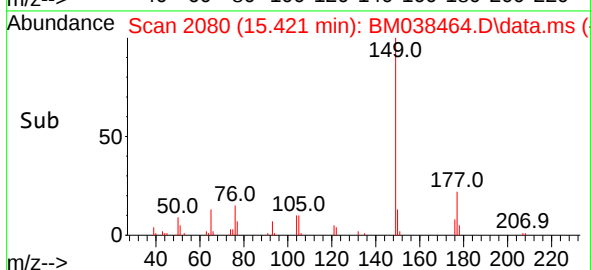
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

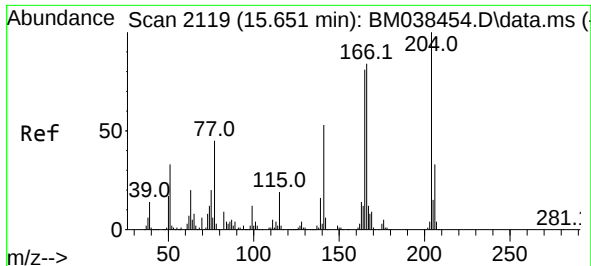


#60
Diethylphthalate
Concen: 4.531 ng
RT: 15.421 min Scan# 2080
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34



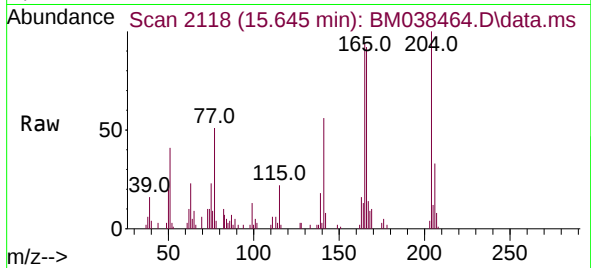
Tgt Ion:149 Resp: 29049
Ion Ratio Lower Upper
149 100
177 22.4 17.8 26.6
150 12.7 9.5 14.3





#61
4-Chlorophenyl-phenylether
Concen: 4.366 ng
RT: 15.645 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

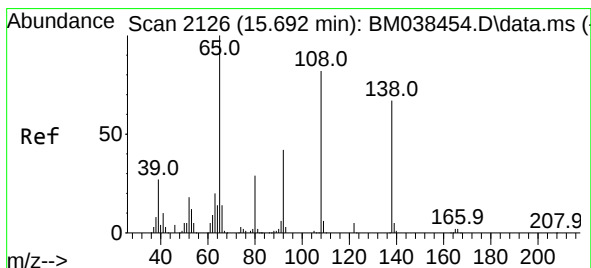
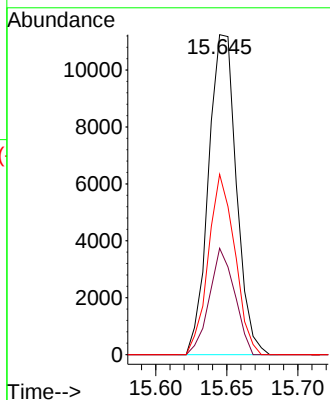
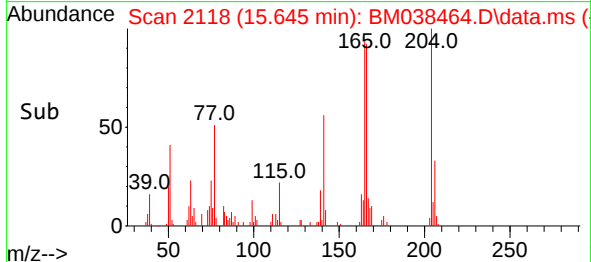
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:204 Resp: 1538
Ion Ratio Lower Upper
204 100
206 33.2 26.2 39.4
141 56.3 42.5 63.7

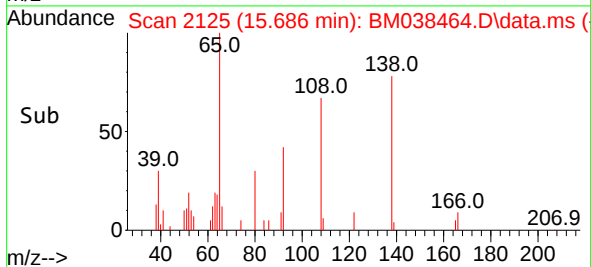
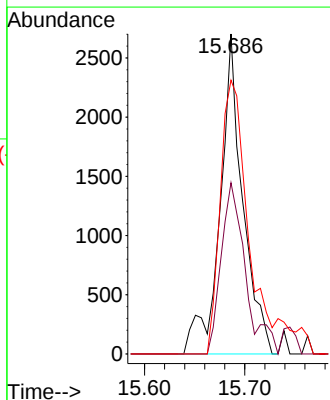
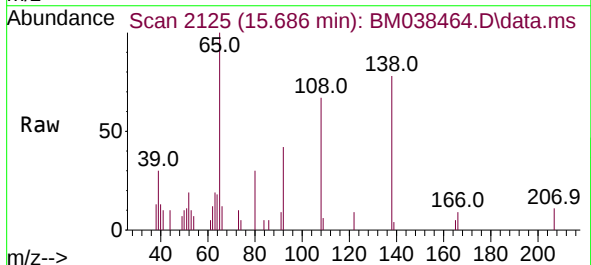
Manual Integrations
APPROVED

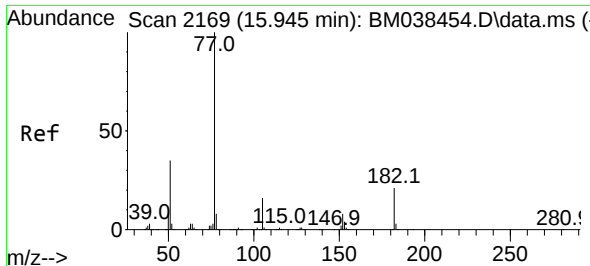
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#62
4-Nitroaniline
Concen: 5.628 ng
RT: 15.686 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

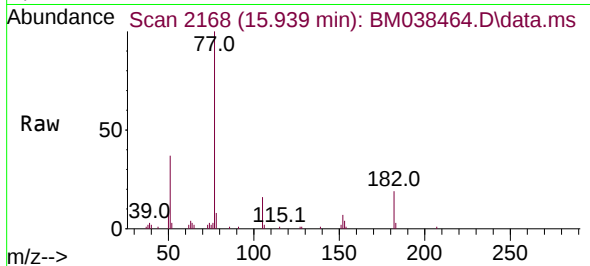
Tgt Ion:138 Resp: 4274
Ion Ratio Lower Upper
138 100
92 53.5 42.1 82.1
108 85.5 102.5 142.5#





#63
Azobenzene
Concen: 4.468 ng
RT: 15.939 min Scan# 2169
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

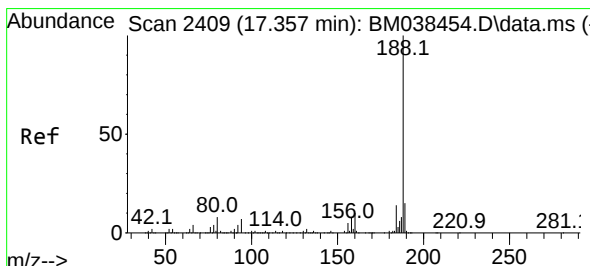
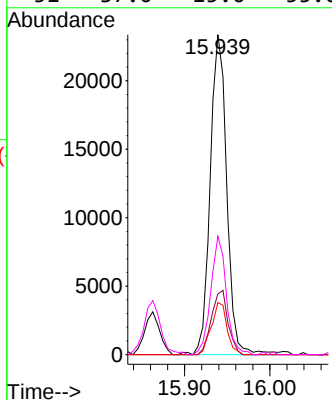
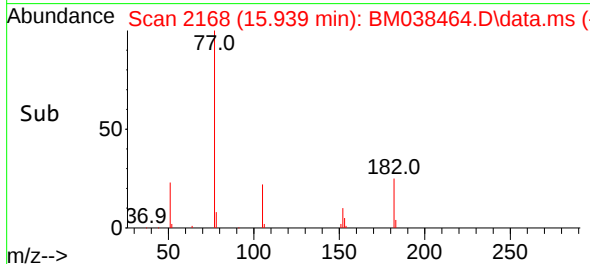
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



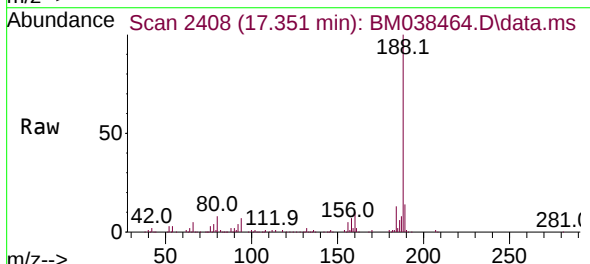
Tgt Ion: 77 Resp: 3152
Ion Ratio Lower Upper
77 100
182 19.0 1.1 41.1
105 16.3 0.0 36.4
51 37.0 15.0 55.0

Manual Integrations
APPROVED

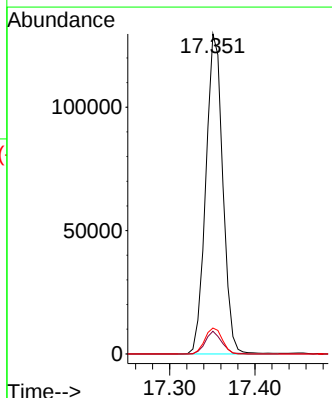
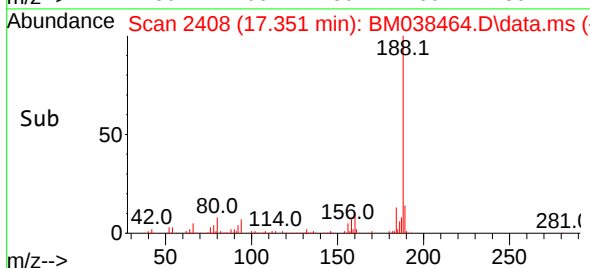
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

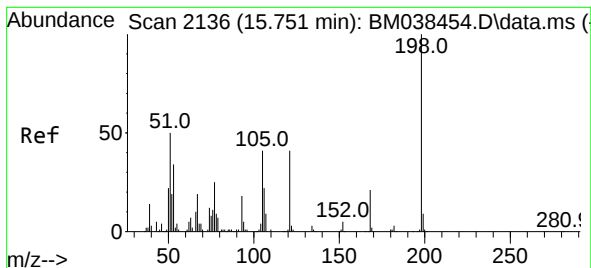


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34



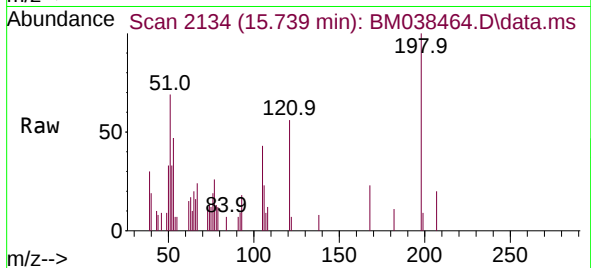
Tgt Ion:188 Resp: 179369
Ion Ratio Lower Upper
188 100
94 7.1 5.4 8.0
80 8.1 6.5 9.7





#65
4,6-Dinitro-2-methylphenol
Concen: 3.036 ng
RT: 15.739 min Scan# 2136
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

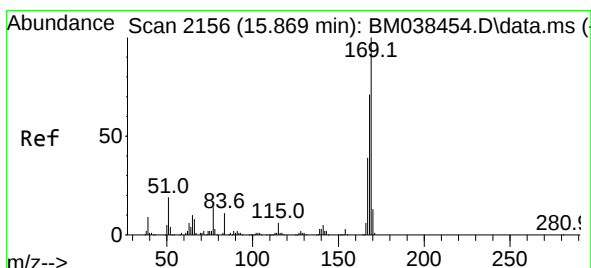
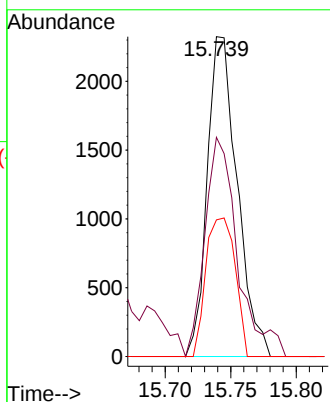
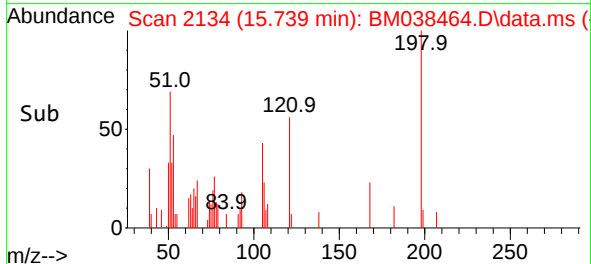
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



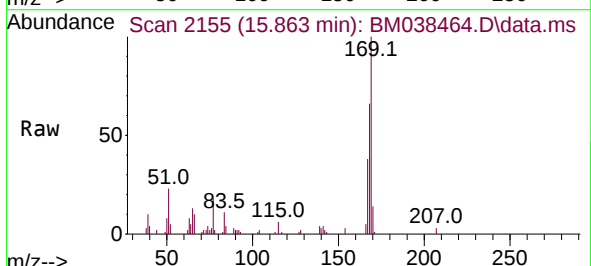
Tgt Ion:198 Resp: 3695
Ion Ratio Lower Upper
198 100
51 68.5 31.6 71.6
105 42.7 21.5 61.5

Manual Integrations
APPROVED

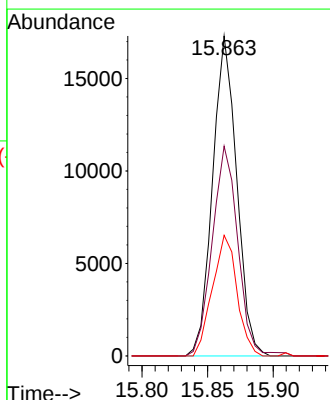
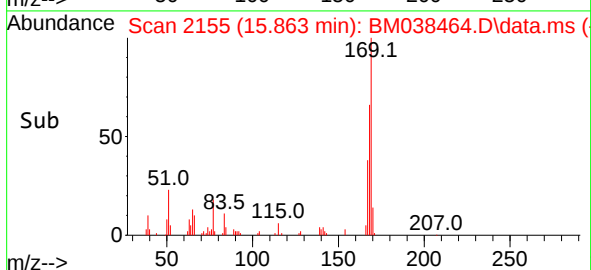
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

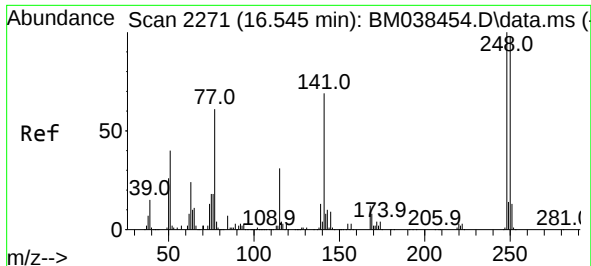


#66
n-Nitrosodiphenylamine
Concen: 4.207 ng
RT: 15.863 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34



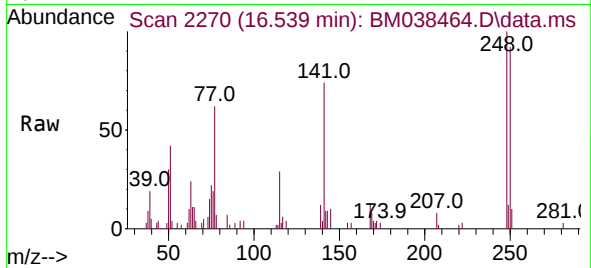
Tgt Ion:169 Resp: 22139
Ion Ratio Lower Upper
169 100
168 65.5 56.6 85.0
167 37.7 31.1 46.7





#67
4-Bromophenyl-phenylether
Concen: 4.559 ng
RT: 16.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

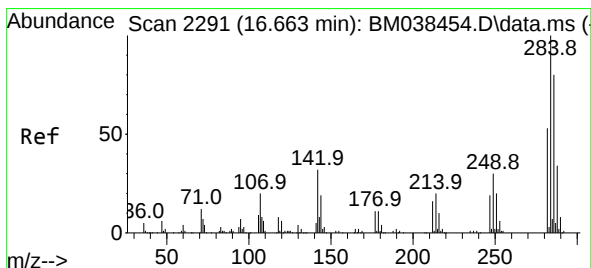
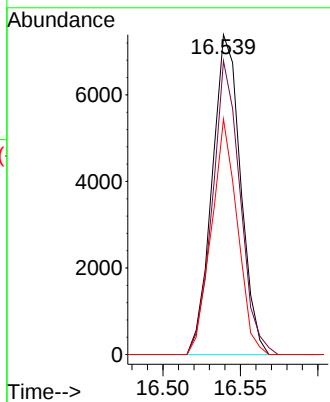
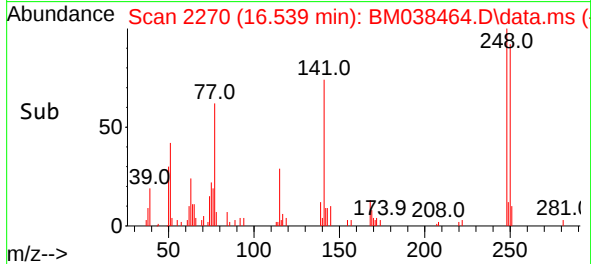
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



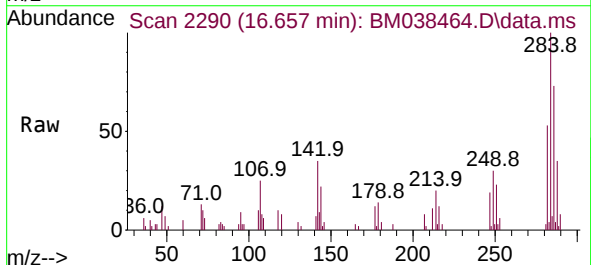
Tgt Ion:248 Resp: 9460
Ion Ratio Lower Upper
248 100
250 91.8 78.3 117.5
141 73.6 55.1 82.7

Manual Integrations
APPROVED

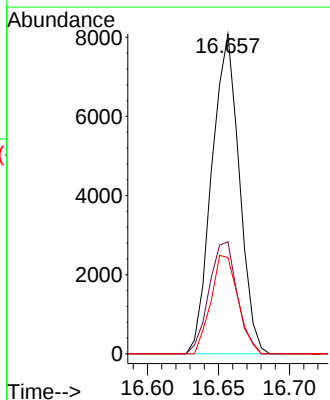
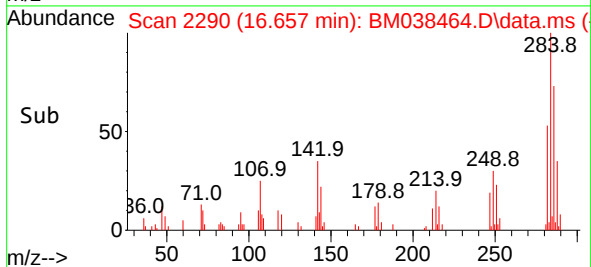
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

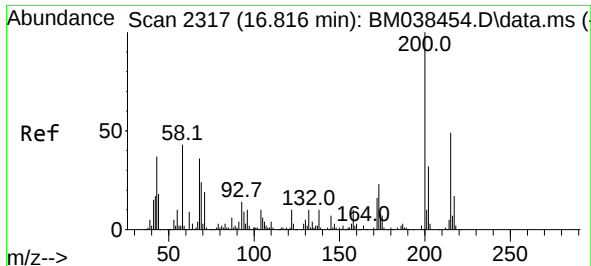


#68
Hexachlorobenzene
Concen: 4.676 ng
RT: 16.657 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34



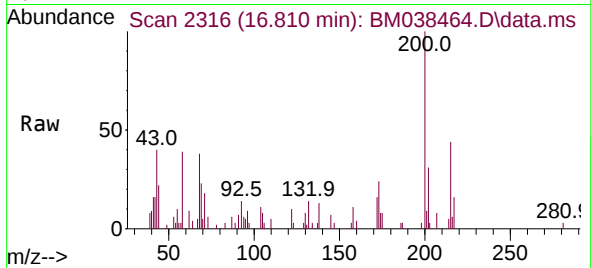
Tgt Ion:284 Resp: 10863
Ion Ratio Lower Upper
284 100
142 35.0 26.0 39.0
249 33.1 23.8 35.8





#69
 Atrazine
 Concen: 4.796 ng
 RT: 16.810 min Scan# 2317
 Delta R.T. -0.006 min
 Lab File: BM038464.D
 Acq: 17 Jan 2023 13:34

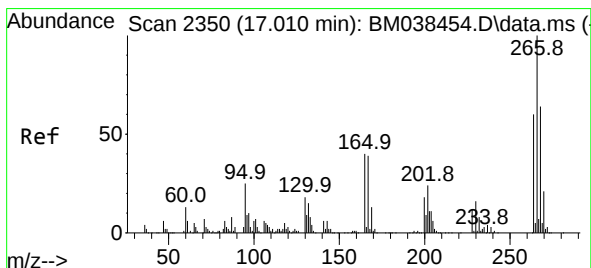
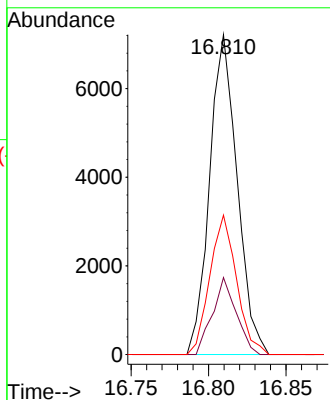
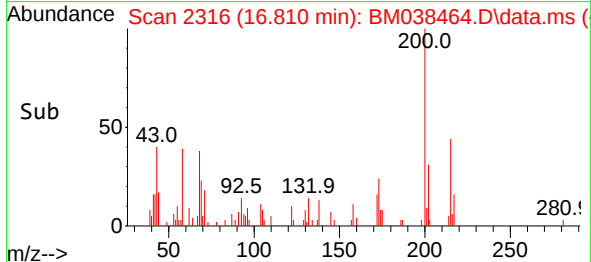
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:200 Resp: 8926
 Ion Ratio Lower Upper
 200 100
 173 24.0 3.4 43.4
 215 43.6 29.3 69.3

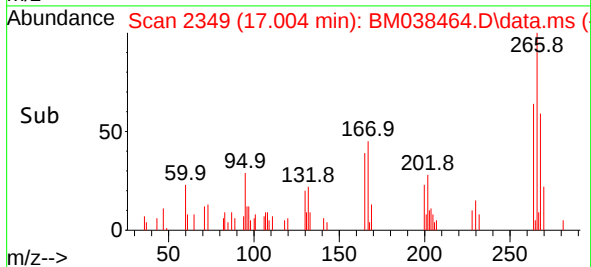
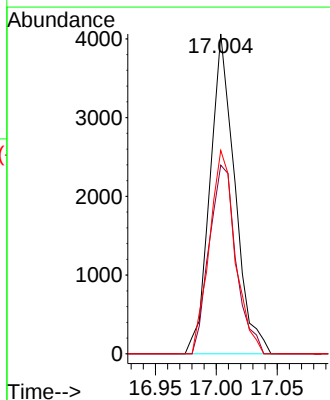
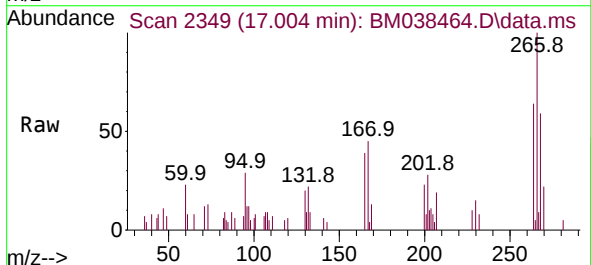
Manual Integrations
 APPROVED

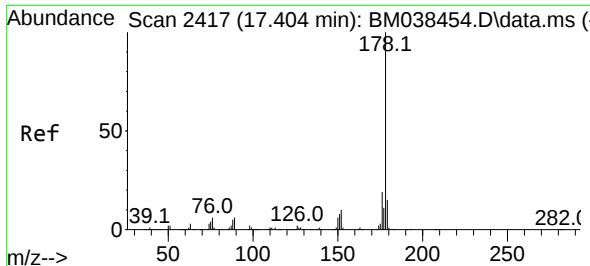
Reviewed By :Christian Giraldo 01/24/2023
 Supervised By :Jagrut Upadhyay 01/27/2023



#70
 Pentachlorophenol
 Concen: 3.395 ng
 RT: 17.004 min Scan# 2349
 Delta R.T. -0.006 min
 Lab File: BM038464.D
 Acq: 17 Jan 2023 13:34

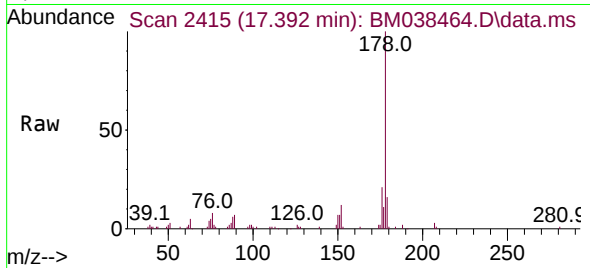
Tgt Ion:266 Resp: 5759
 Ion Ratio Lower Upper
 266 100
 268 59.0 51.4 77.0
 264 63.6 48.2 72.2





#71
Phenanthrene
Concen: 4.515 ng
RT: 17.392 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

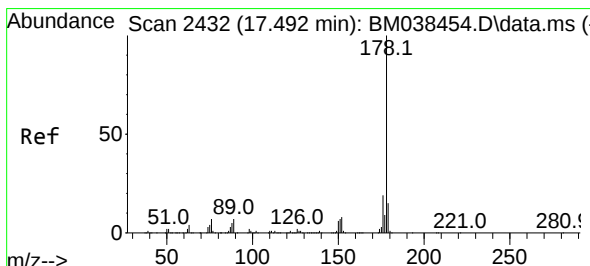
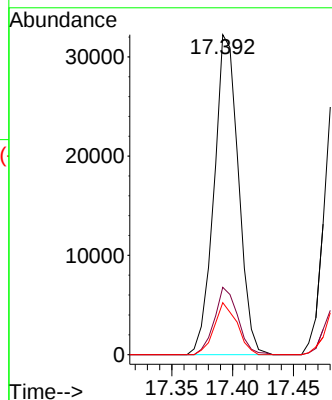
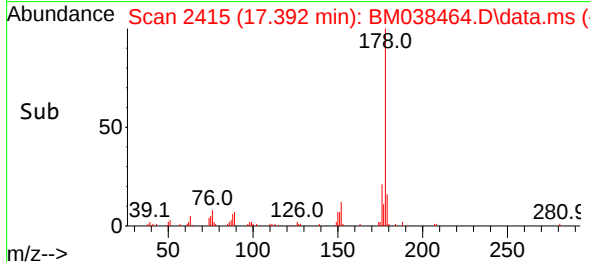
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



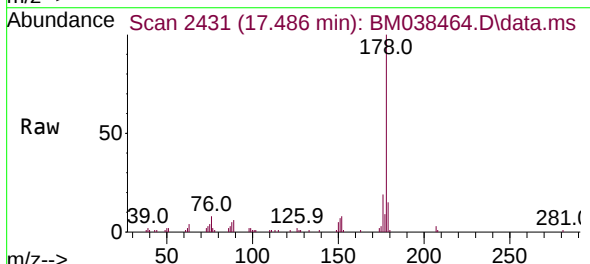
Tgt Ion:178 Resp: 44805
Ion Ratio Lower Upper
178 100
176 21.0 15.4 23.0
179 16.2 12.1 18.1

Manual Integrations
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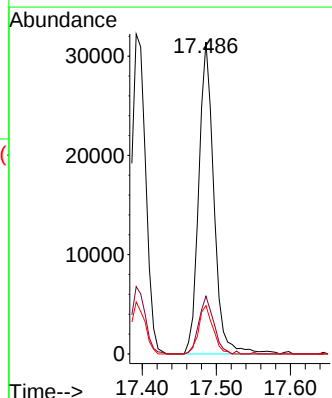
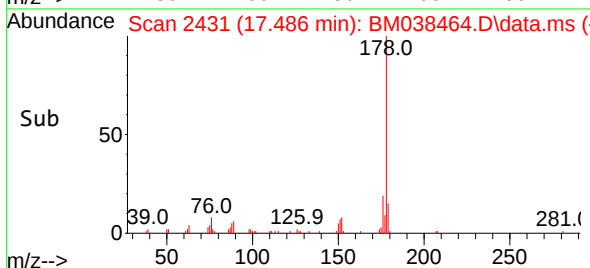
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

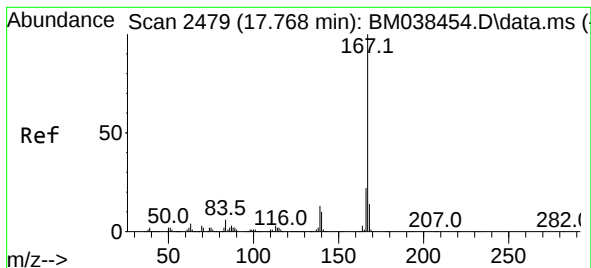


#72
Anthracene
Concen: 4.377 ng
RT: 17.486 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34



Tgt Ion:178 Resp: 44636
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.5 12.2 18.2





#73

Carbazole

Concen: 4.291 ng

RT: 17.762 min Scan# 2479

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

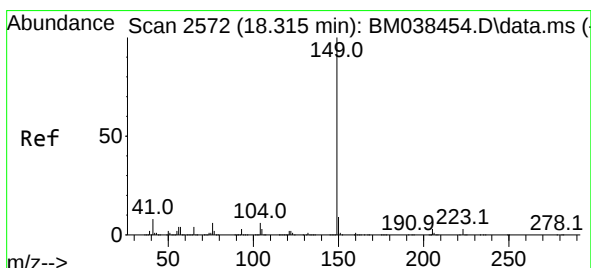
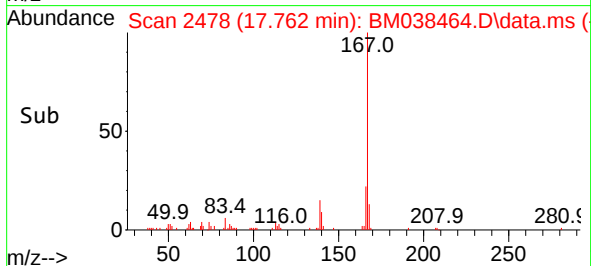
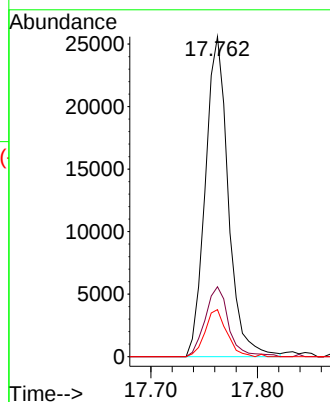
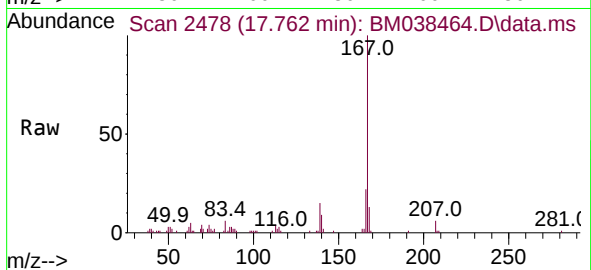
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:167	Resp:	3827
Ion Ratio	Lower	Upper
167	100	
166	21.8	17.4 26.0
139	14.7	10.1 15.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#74

Di-n-butylphthalate

Concen: 4.757 ng

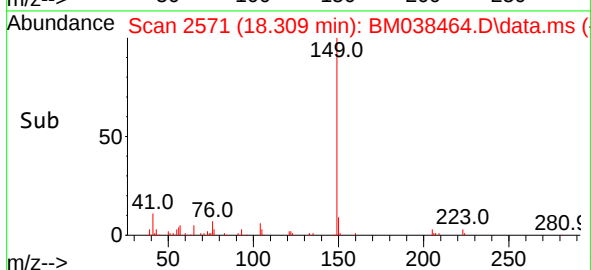
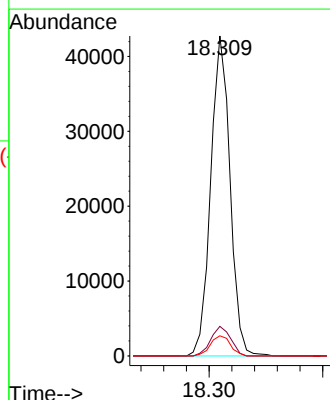
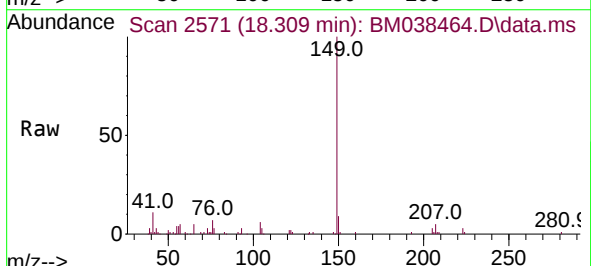
RT: 18.309 min Scan# 2571

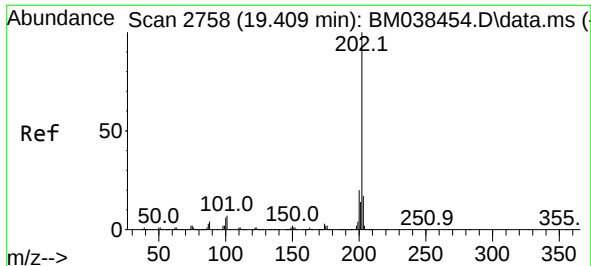
Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

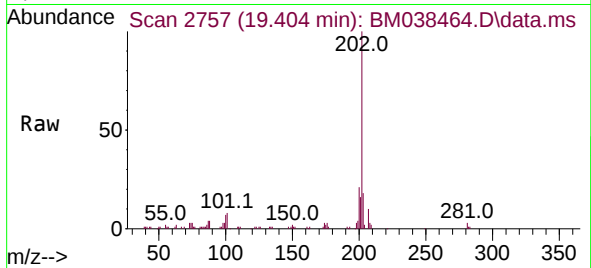
Tgt Ion:149	Resp:	50385
Ion Ratio	Lower	Upper
149	100	
150	9.2	7.4 11.2
104	6.3	4.7 7.1





#75
Fluoranthene
Concen: 4.391 ng
RT: 19.404 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

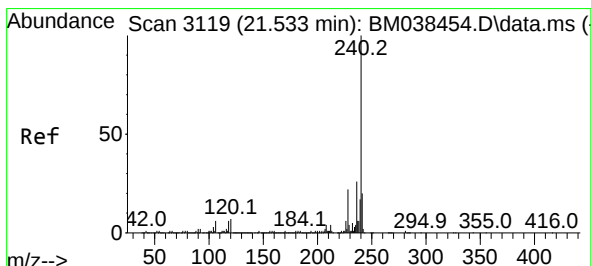
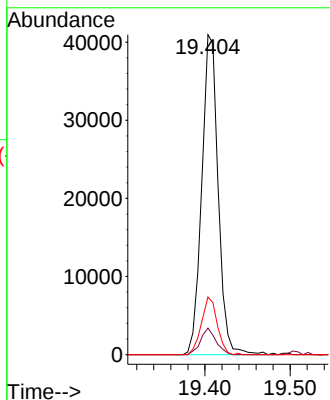
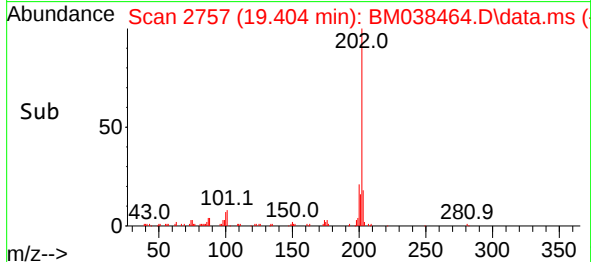
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:202 Resp: 54780
Ion Ratio Lower Upper
202 100
101 8.3 0.0 27.4
203 18.0 0.0 37.1

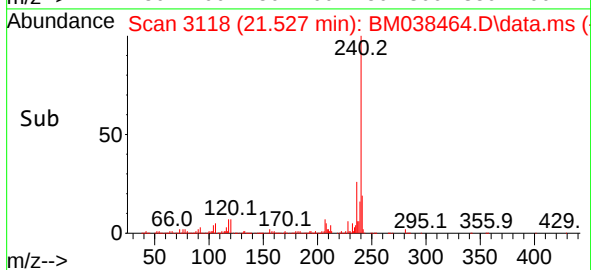
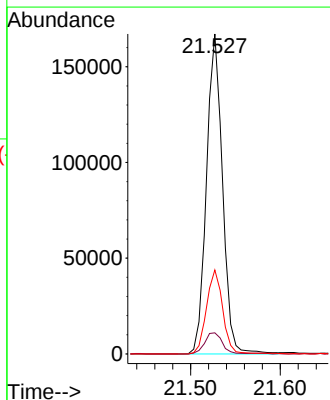
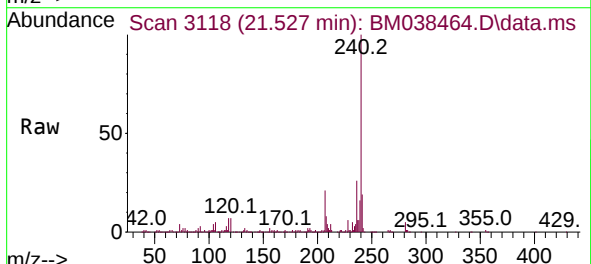
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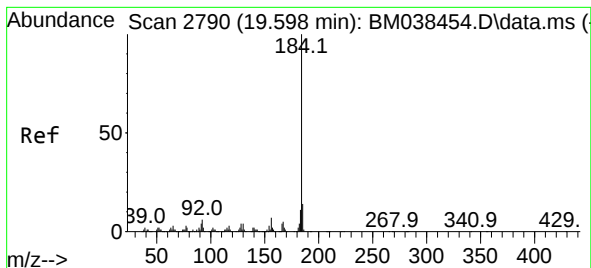
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:240 Resp: 207289
Ion Ratio Lower Upper
240 100
120 6.6 5.6 8.4
236 26.2 21.0 31.4





#77

Benzidine

Concen: 4.287 ng

RT: 19.598 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM038464.D

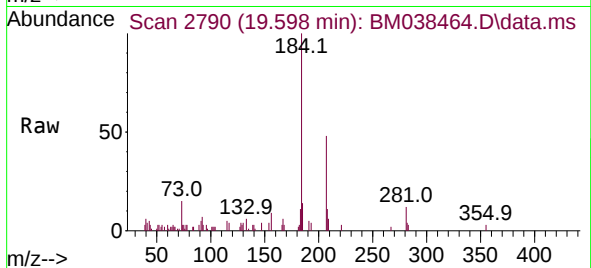
Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



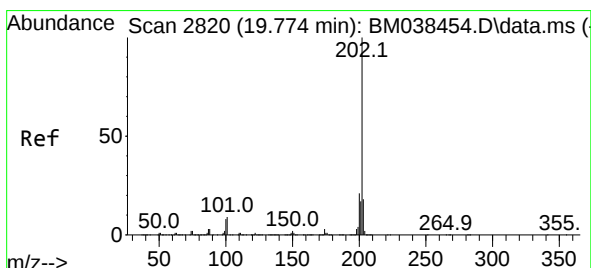
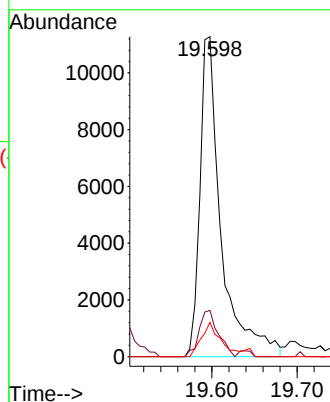
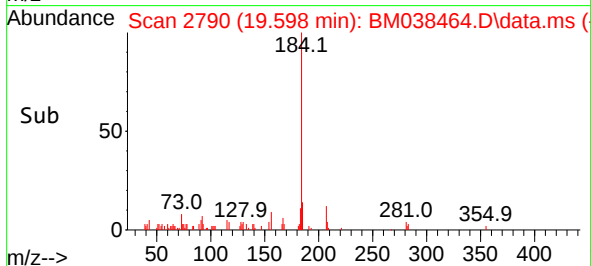
Tgt Ion:	184	Resp:	19473
Ion Ratio	Lower	Upper	
184	100		
185	14.4	11.1	16.7
183	10.7	8.6	13.0

Manual Integrations

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Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#78

Pyrene

Concen: 4.281 ng

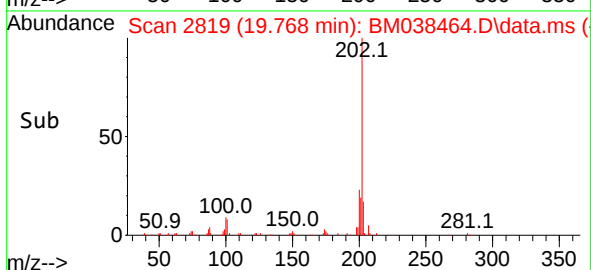
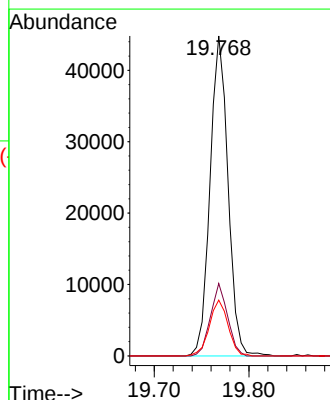
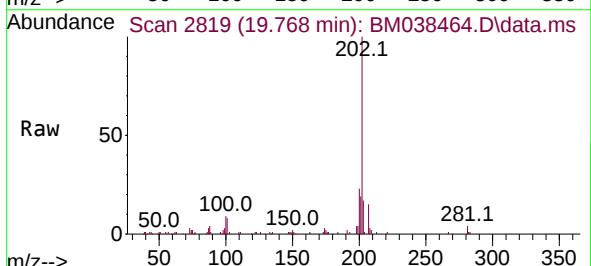
RT: 19.768 min Scan# 2819

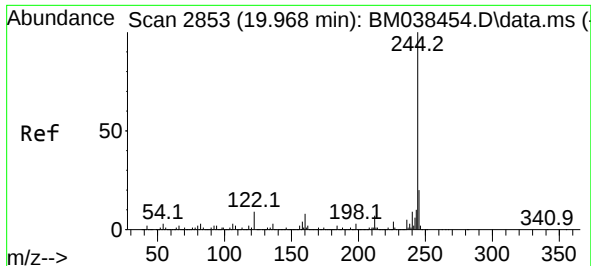
Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

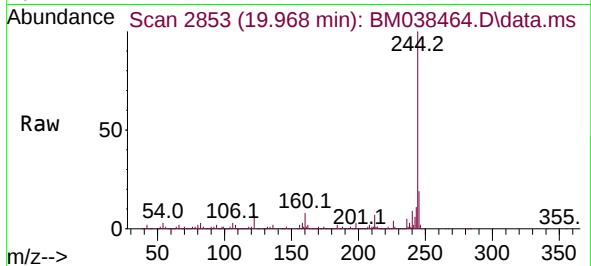
Tgt Ion:	202	Resp:	59062
Ion Ratio	Lower	Upper	
202	100		
200	22.6	16.9	25.3
203	17.4	14.2	21.2





#79
 Terphenyl-d14
 Concen: 116.252 ng
 RT: 19.968 min Scan# 2853
 Delta R.T. -0.000 min
 Lab File: BM038464.D
 Acq: 17 Jan 2023 13:34

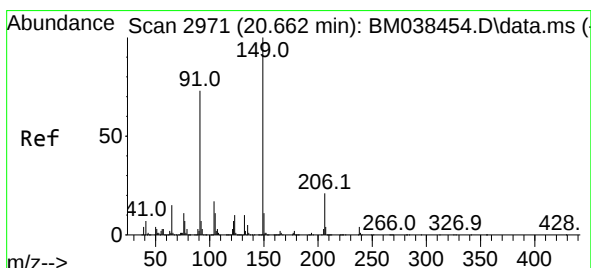
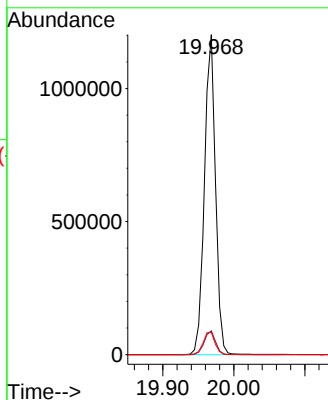
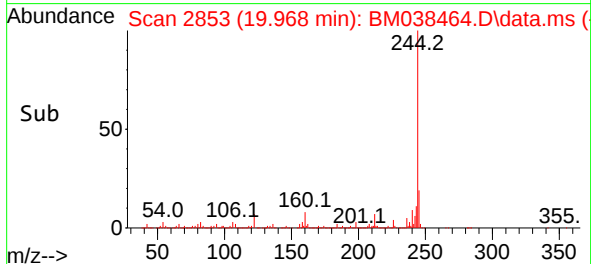
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:244 Resp: 128725
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 7.0 7.1 10.7

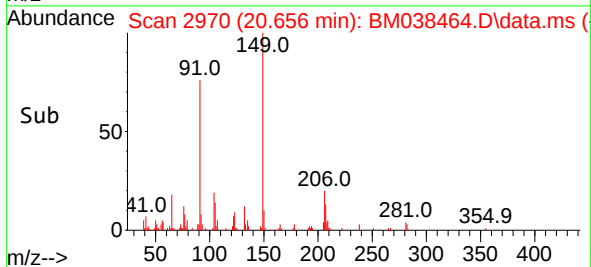
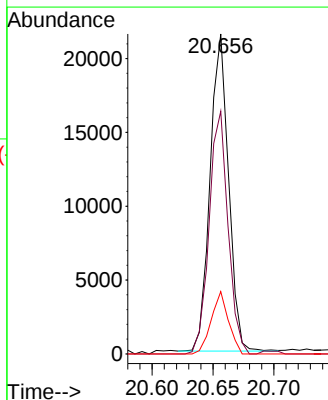
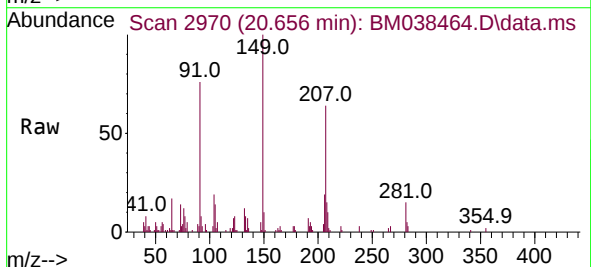
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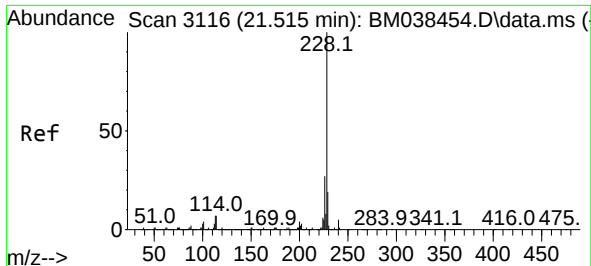
Reviewed By :Christian Giraldo 01/24/2023
 Supervised By :Jagrut Upadhyay 01/27/2023



#80
 Butylbenzylphthalate
 Concen: 4.493 ng
 RT: 20.656 min Scan# 2970
 Delta R.T. -0.006 min
 Lab File: BM038464.D
 Acq: 17 Jan 2023 13:34

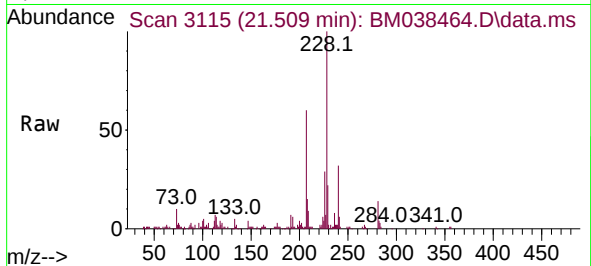
Tgt Ion:149 Resp: 22654
 Ion Ratio Lower Upper
 149 100
 91 75.8 58.3 87.5
 206 19.5 16.7 25.1





#81
Benzo(a)anthracene
Concen: 4.573 ng
RT: 21.509 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

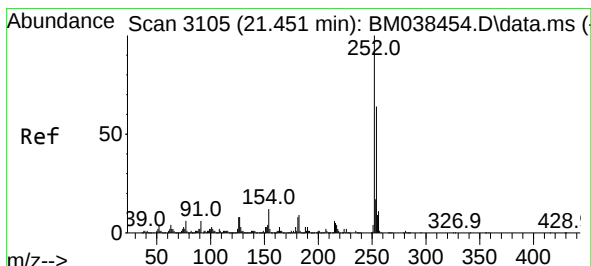
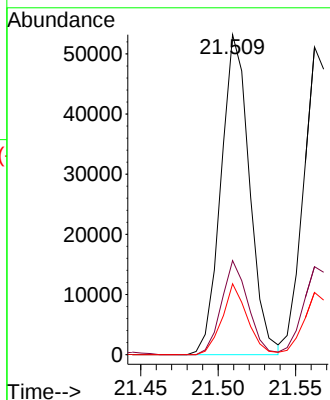
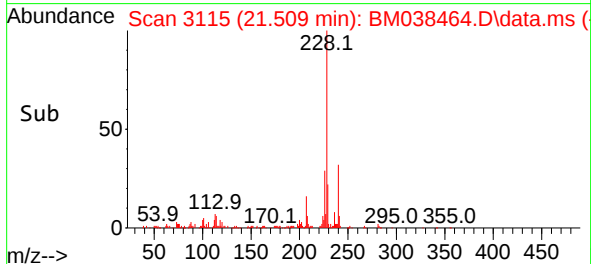
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:228 Resp: 68172
Ion Ratio Lower Upper
228 100
226 29.4 22.0 33.0
229 22.1 15.4 23.0

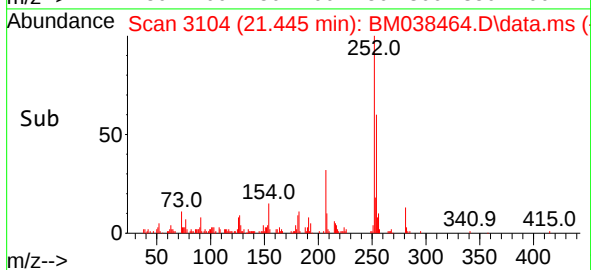
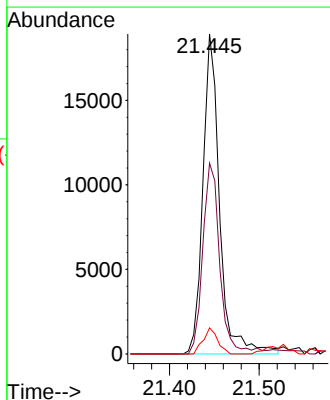
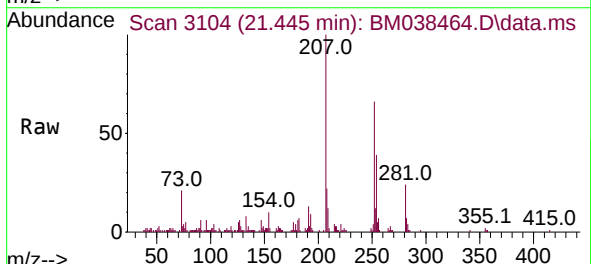
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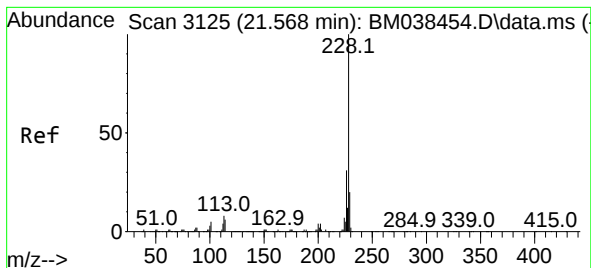
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#82
3,3'-Dichlorobenzidine
Concen: 5.096 ng
RT: 21.445 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:252 Resp: 24466
Ion Ratio Lower Upper
252 100
254 59.6 51.2 76.8
126 8.1 6.3 9.5





#83

Chrysene

Concen: 4.568 ng

RT: 21.562 min Scan# 3125

Delta R.T. -0.006 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

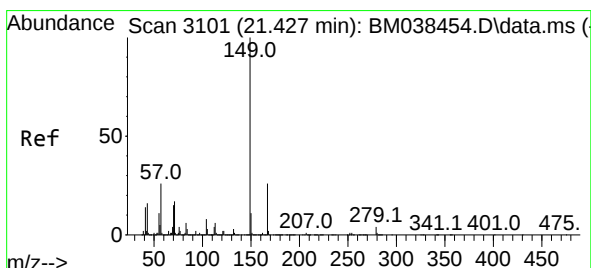
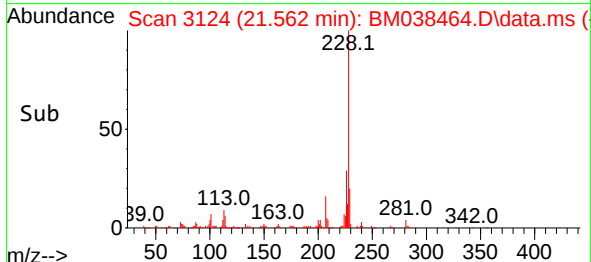
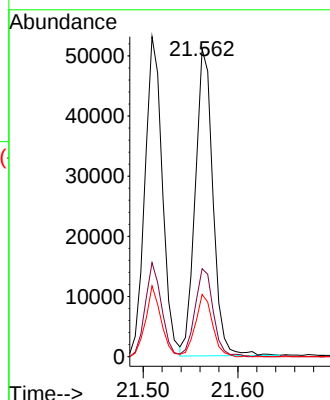
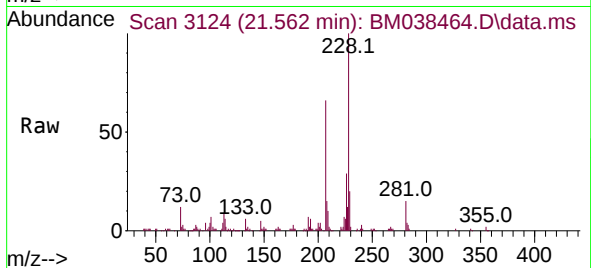
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:228	Resp: 66174
Ion Ratio	Lower Upper
228 100	
226 28.6	24.6 36.8
229 20.2	16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.444 ng

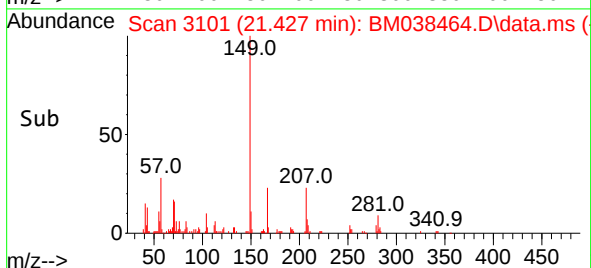
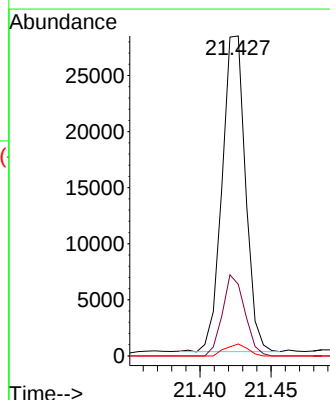
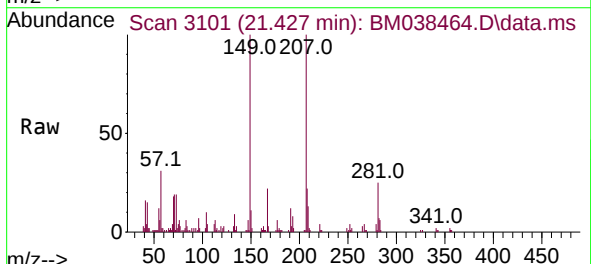
RT: 21.427 min Scan# 3101

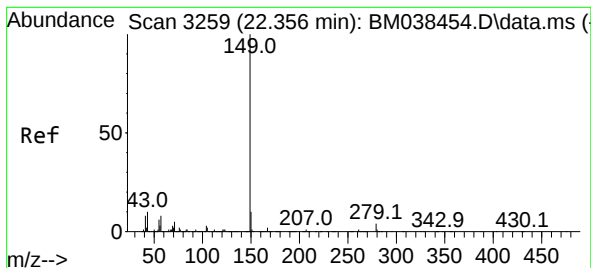
Delta R.T. -0.000 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Tgt Ion:149	Resp: 32210
Ion Ratio	Lower Upper
149 100	
167 22.4	21.0 31.4
279 3.7	3.4 5.0





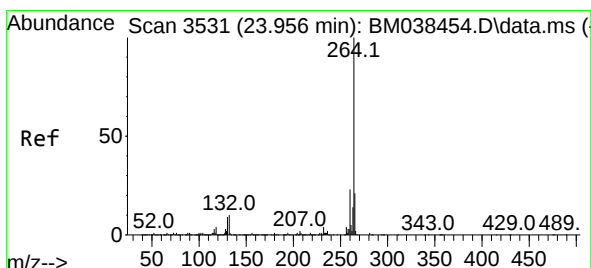
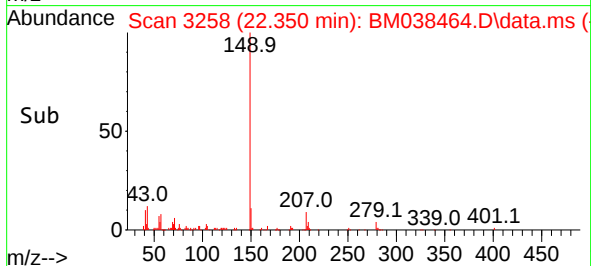
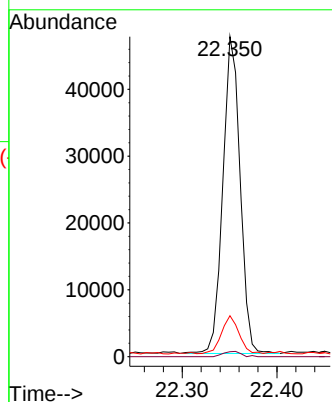
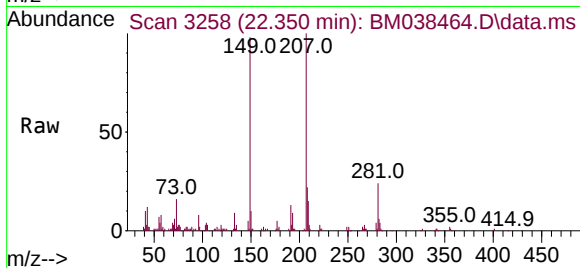
#85
Di-n-octyl phthalate
Concen: 4.702 ng
RT: 22.350 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:149 Resp: 59963
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 12.2 8.4 12.6

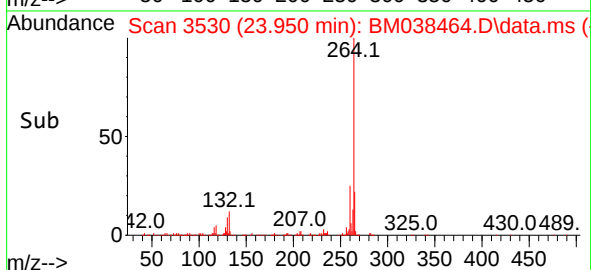
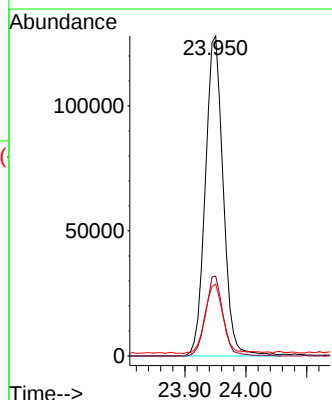
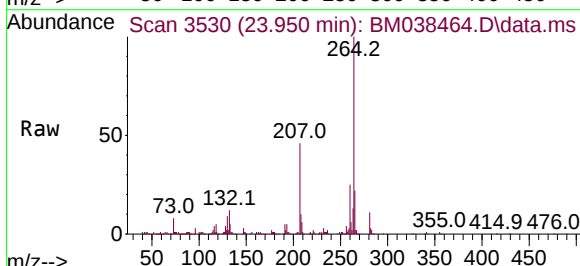
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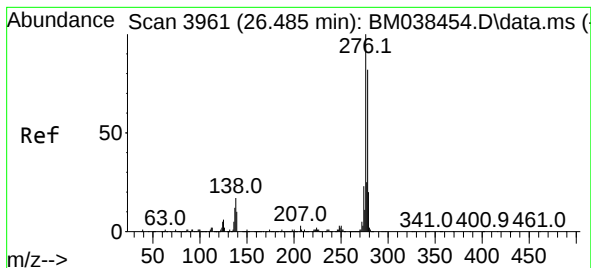
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.950 min Scan# 3530
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:264 Resp: 260850
Ion Ratio Lower Upper
264 100
260 25.0 18.2 27.4
265 22.4 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.430 ng

RT: 26.462 min Scan# 3957

Delta R.T. -0.024 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

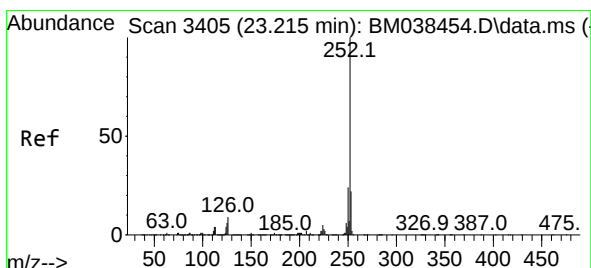
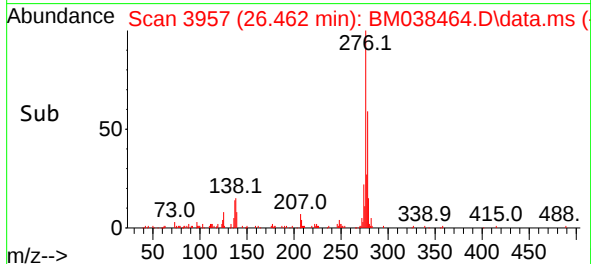
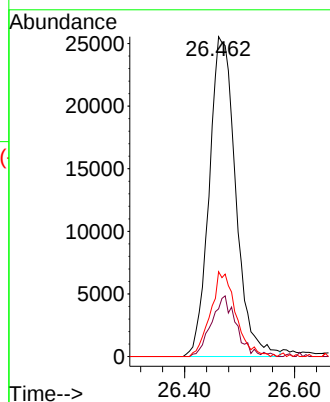
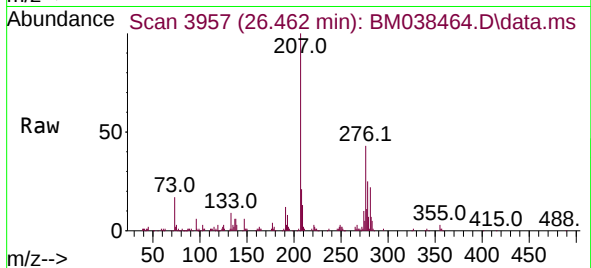
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:	276	Resp:	85525
Ion Ratio	Lower	Upper	
276	100		
138	17.6	13.4	20.2
277	25.2	19.8	29.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#88

Benzo(b)fluoranthene

Concen: 4.634 ng

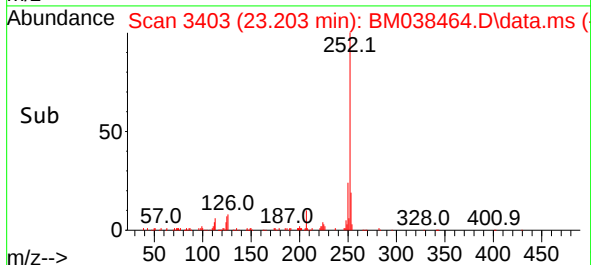
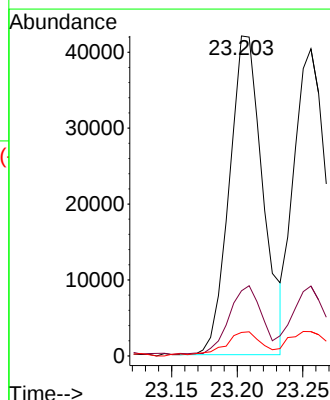
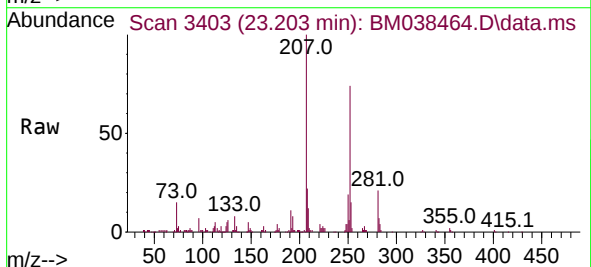
RT: 23.203 min Scan# 3403

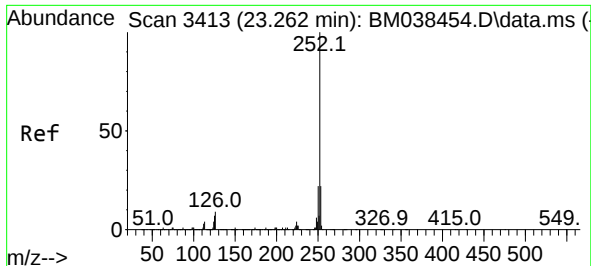
Delta R.T. -0.012 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

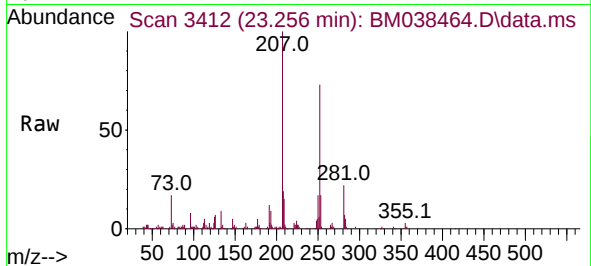
Tgt Ion:	252	Resp:	74958
Ion Ratio	Lower	Upper	
252	100		
253	20.3	17.8	26.6
125	7.3	5.1	7.7





#89
Benzo(k)fluoranthene
Concen: 4.334 ng
RT: 23.256 min Scan# 3413
Delta R.T. -0.006 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

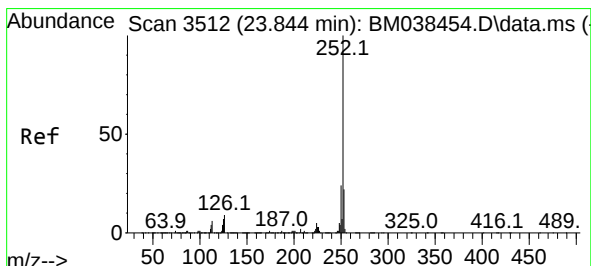
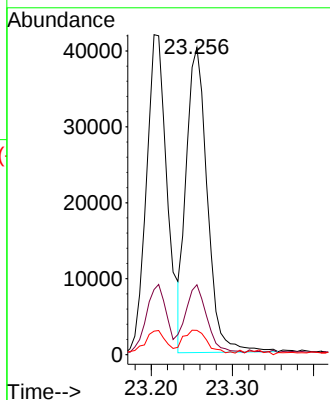
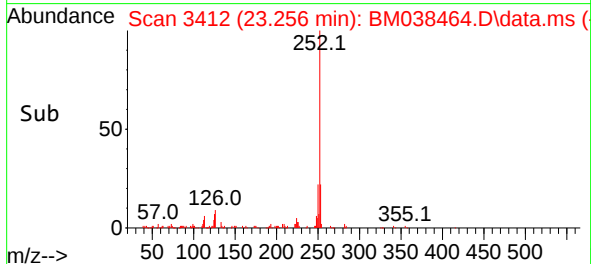
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:252 Resp: 72492
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 7.9 5.5 8.3

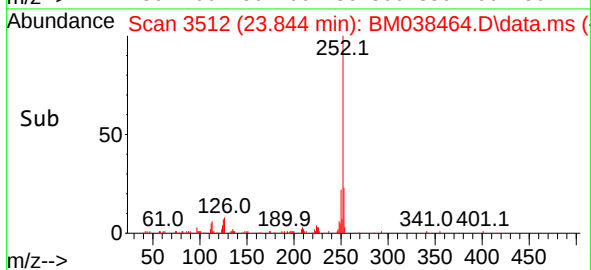
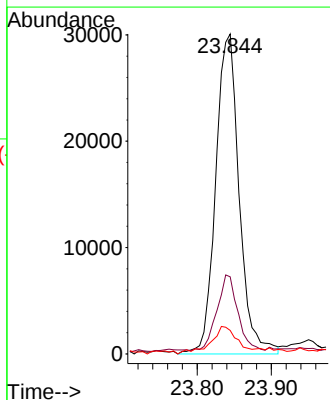
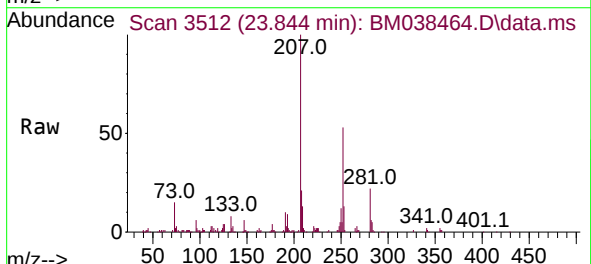
Manual Integrations
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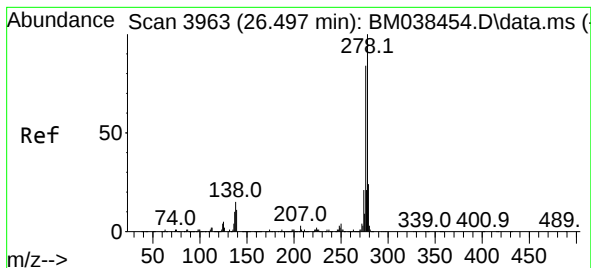
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#90
Benzo(a)pyrene
Concen: 4.177 ng
RT: 23.844 min Scan# 3512
Delta R.T. -0.000 min
Lab File: BM038464.D
Acq: 17 Jan 2023 13:34

Tgt Ion:252 Resp: 66295
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 7.3 5.8 8.8





#91

Dibenzo(a,h)anthracene

Concen: 4.541 ng

RT: 26.480 min Scan# 3963

Delta R.T. -0.018 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

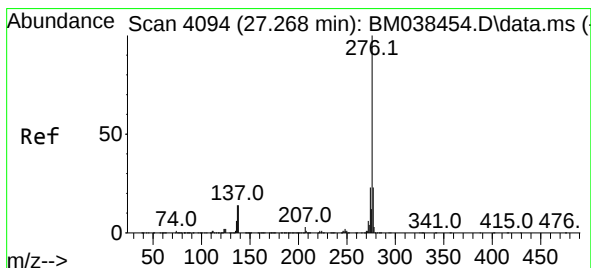
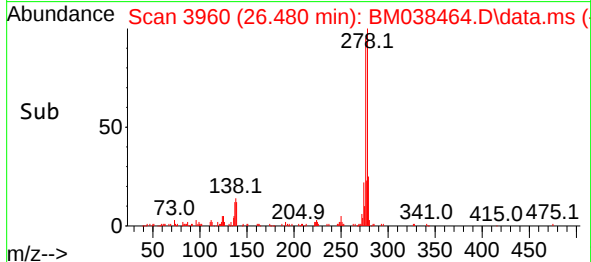
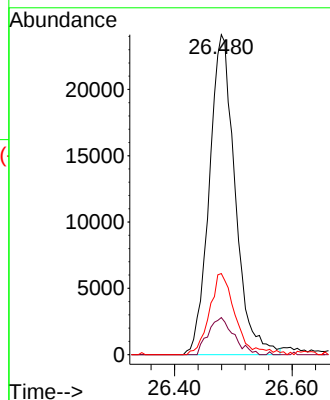
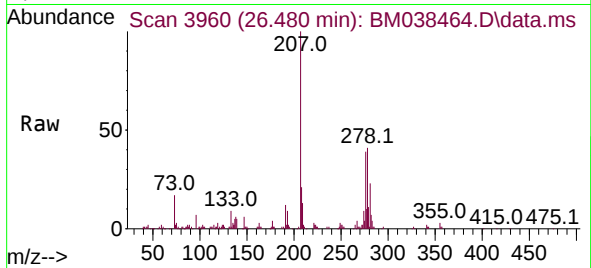
Tgt Ion:	278	Resp:	7356
Ion Ratio	Lower	Upper	
278	100		
139	11.6	8.4	12.6
279	25.3	19.0	28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#92

Benzo(g,h,i)perylene

Concen: 4.767 ng

RT: 27.244 min Scan# 4090

Delta R.T. -0.024 min

Lab File: BM038464.D

Acq: 17 Jan 2023 13:34

Tgt Ion:	276	Resp:	76607
Ion Ratio	Lower	Upper	
276	100		
277	26.1	18.6	27.8
138	16.0	11.3	16.9

