

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011923\
 Data File : BM038487.D
 Acq On : 19 Jan 2023 13:19
 Operator : CG/JU
 Sample : N3980-03
 Misc : MDL-MDL-SOIL 8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Quant Time: Jan 20 02:46:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 06:09:42 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/20/2023
 Supervised By : Jagrut Upadhyay 01/20/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	41483	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	142204	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	86690	20.000	ng	0.00
64) Phenanthrene-d10	17.345	188	195712	20.000	ng	0.00
76) Chrysene-d12	21.521	240	205865	20.000	ng	0.00
86) Perylene-d12	23.932	264	255473	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	303843	111.728	ng	0.00
7) Phenol-d6	7.134	99	377460	108.353	ng	0.00
23) Nitrobenzene-d5	9.145	82	269316	77.166	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	149095	101.737	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	491957	70.772	ng	0.00
79) Terphenyl-d14	19.962	244	843422	76.696	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.375	88	10318	8.302	ng	94
3) Pyridine	3.804	79	21432m	5.961	ng	
4) n-Nitrosodimethylamine	3.710	42	17032m	8.007	ng	
6) Aniline	7.298	93	30725	6.983	ng	98
8) 2-Chlorophenol	7.534	128	19346	7.185	ng	91
9) Benzaldehyde	7.116	77	23595	10.129	ng	96
10) Phenol	7.163	94	27168	7.484	ng	95
11) bis(2-Chloroethyl)ether	7.398	93	21276	7.232	ng	97
12) 1,3-Dichlorobenzene	7.857	146	21163	7.337	ng	95
13) 1,4-Dichlorobenzene	8.010	146	21213	7.310	ng	96
14) 1,2-Dichlorobenzene	8.322	146	21215	7.477	ng	96
15) Benzyl Alcohol	8.222	79	20018	7.175	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.510	45	32474	7.917	ng	98
17) 2-Methylphenol	8.422	107	16652	6.791	ng	95
18) Hexachloroethane	9.045	117	9405	7.913	ng	# 74
19) n-Nitroso-di-n-propyla...	8.781	70	18647	7.374	ng	# 93
20) 3+4-Methylphenols	8.751	107	20413	6.201	ng	99
22) Acetophenone	8.804	105	31772	7.559	ng	# 96
24) Nitrobenzene	9.186	77	30035m	8.145	ng	
25) Isophorone	9.710	82	44820	7.250	ng	97
26) 2-Nitrophenol	9.898	139	8115	6.268	ng	93
27) 2,4-Dimethylphenol	9.957	122	13664	6.198	ng	96
28) bis(2-Chloroethoxy)met...	10.192	93	24894	7.160	ng	99
29) 2,4-Dichlorophenol	10.433	162	16066	6.597	ng	99
30) 1,2,4-Trichlorobenzene	10.645	180	19765	7.018	ng	94
31) Naphthalene	10.833	128	52871	7.015	ng	98
32) Benzoic acid	10.033	122	7591m	8.805	ng	
33) 4-Chloroaniline	10.951	127	20981	6.343	ng	94
34) Hexachlorobutadiene	11.110	225	13663	6.918	ng	96
35) Caprolactam	11.733	113	3658	5.314	ng	93
36) 4-Chloro-3-methylphenol	12.069	107	17835	6.717	ng	87
37) 2-Methylnaphthalene	12.439	142	34699	6.297	ng	98
38) 1-Methylnaphthalene	12.657	142	32998	6.378	ng	# 99
40) 1,2,4,5-Tetrachloroben...	12.804	216	22770	7.018	ng	99
41) Hexachlorocyclopentadiene	12.774	237	11294	6.122	ng	98
43) 2,4,6-Trichlorophenol	13.045	196	13625	6.643	ng	98

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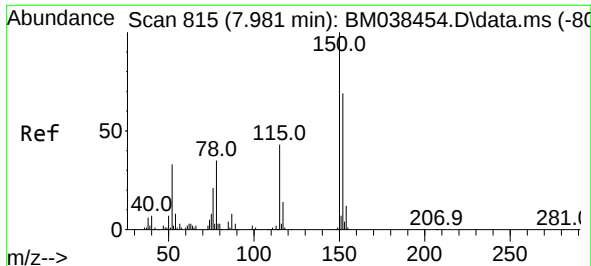
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	14303	5.915	ng	96
46) 1,1'-Biphenyl	13.445	154	48386	7.194	ng	96
47) 2-Chloronaphthalene	13.486	162	38766	7.323	ng	97
48) 2-Nitroaniline	13.704	65	12786	8.098	ng	95
49) Acenaphthylene	14.333	152	56475	6.767	ng	97
50) Dimethylphthalate	14.063	163	45515	6.478	ng	99
51) 2,6-Dinitrotoluene	14.192	165	8859	6.198	ng	86
52) Acenaphthene	14.668	154	34533	6.809	ng	92
53) 3-Nitroaniline	14.521	138	7918	7.404	ng	98
54) 2,4-Dinitrophenol	14.733	184	4770	9.301	ng	# 82
55) Dibenzofuran	15.004	168	58937	6.825	ng	96
56) 4-Nitrophenol	14.827	139	6272	8.499	ng	90
57) 2,4-Dinitrotoluene	14.980	165	11429	5.752	ng	87
58) Fluorene	15.651	166	45431	6.297	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.227	232	12587	5.871	ng	# 93
60) Diethylphthalate	15.421	149	46470	6.448	ng	97
61) 4-Chlorophenyl-phenyle...	15.645	204	24878	6.282	ng	99
62) 4-Nitroaniline	15.680	138	7541	7.168	ng	98
63) Azobenzene	15.933	77	57359	7.233	ng	95
65) 4,6-Dinitro-2-methylph...	15.739	198	7101	5.347	ng	83
66) n-Nitrosodiphenylamine	15.857	169	38623	6.726	ng	98
67) 4-Bromophenyl-phenylether	16.539	248	14597	6.448	ng	97
68) Hexachlorobenzene	16.651	284	17129	6.757	ng	97
69) Atrazine	16.804	200	13936	6.863	ng	96
70) Pentachlorophenol	16.998	266	9227	4.986	ng	92
71) Phenanthrene	17.392	178	74214	6.854	ng	99
72) Anthracene	17.480	178	72740	6.537	ng	98
73) Carbazole	17.756	167	65067	6.686	ng	98
74) Di-n-butylphthalate	18.303	149	73226	6.336	ng	100
75) Fluoranthene	19.397	202	85743	6.299	ng	99
77) Benzidine	19.592	184	32583	7.223	ng	98
78) Pyrene	19.762	202	92664	6.764	ng	99
80) Butylbenzylphthalate	20.650	149	32393	6.469	ng	93
81) Benzo(a)anthracene	21.503	228	102662	6.934	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	33933	7.117	ng	97
83) Chrysene	21.556	228	99022	6.882	ng	98
84) Bis(2-ethylhexyl)phtha...	21.415	149	43536	6.048	ng	98
85) Di-n-octyl phthalate	22.344	149	79452	6.273	ng	# 92
87) Indeno(1,2,3-cd)pyrene	26.444	276	130738	6.915	ng	97
88) Benzo(b)fluoranthene	23.191	252	110774	6.993	ng	99
89) Benzo(k)fluoranthene	23.244	252	108460m	6.621	ng	
90) Benzo(a)pyrene	23.827	252	96635	6.216	ng	98
91) Dibenzo(a,h)anthracene	26.462	278	111366	7.019	ng	97
92) Benzo(g,h,i)perylene	27.226	276	117073	7.438	ng	100

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



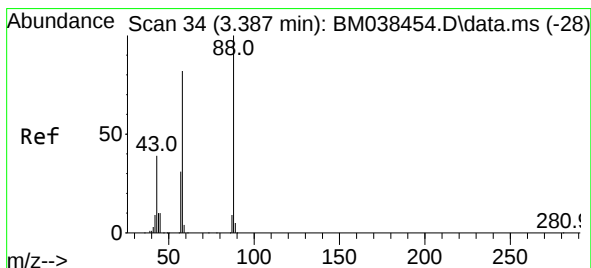
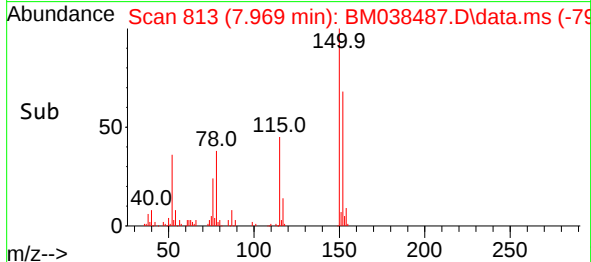
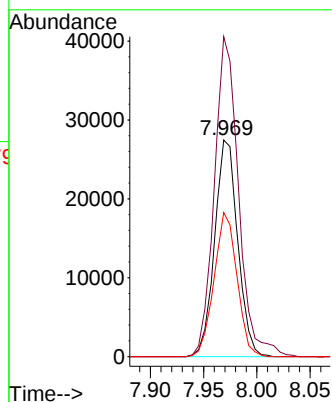
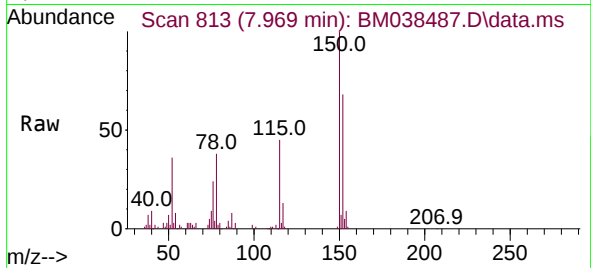
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:152 Resp: 41483
Ion Ratio Lower Upper
152 100
150 147.8 116.0 174.0
115 66.5 49.4 74.2

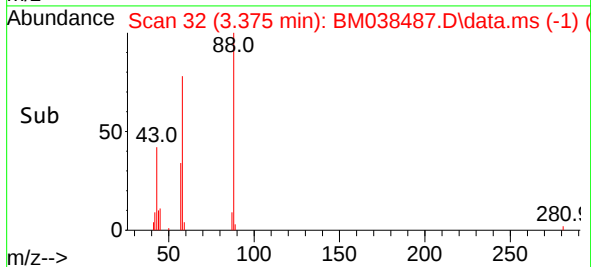
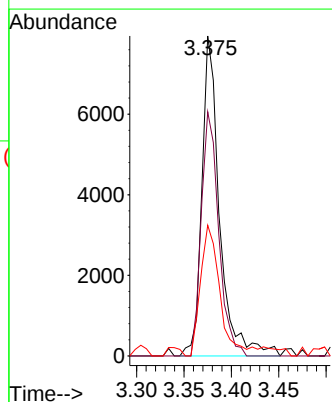
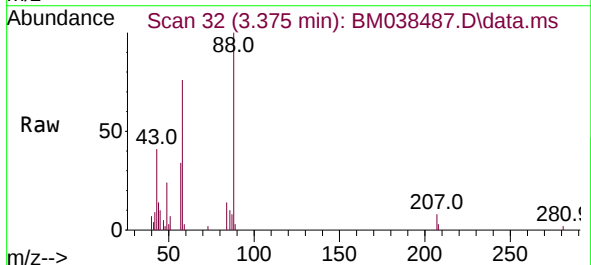
Manual Integrations
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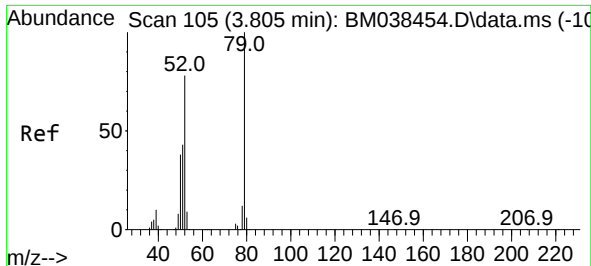
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#2
1,4-Dioxane
Concen: 8.302 ng
RT: 3.375 min Scan# 32
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

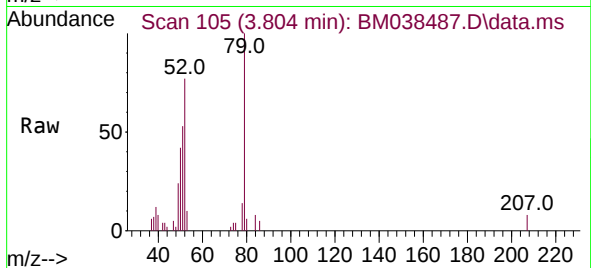
Tgt Ion: 88 Resp: 10318
Ion Ratio Lower Upper
88 100
58 75.0 64.3 96.5
43 44.0 32.3 48.5





#3
Pyridine
Concen: 5.961 ng m
RT: 3.804 min Scan# 105
Delta R.T. 0.012 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

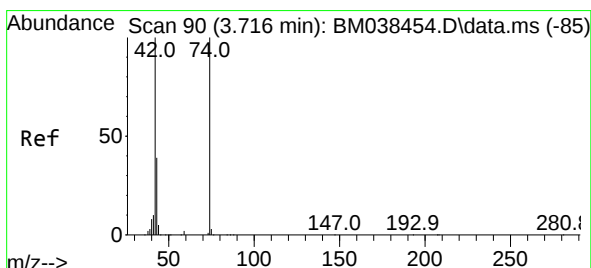
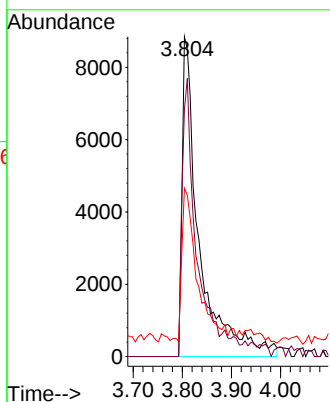
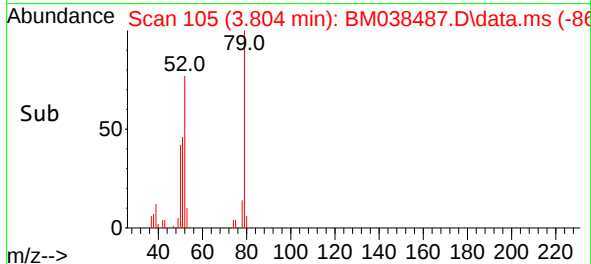
Instrument :
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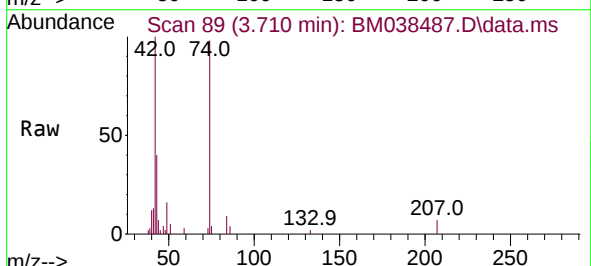
Tgt Ion: 79 Resp: 21432
Ion Ratio Lower Upper
79 100
52 77.3 62.2 93.2
51 52.6 34.8 52.2

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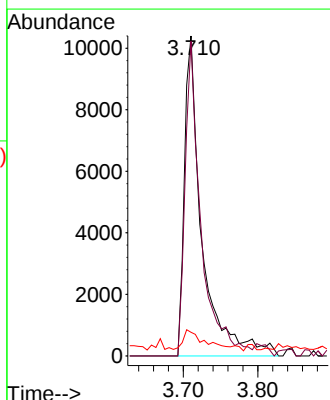
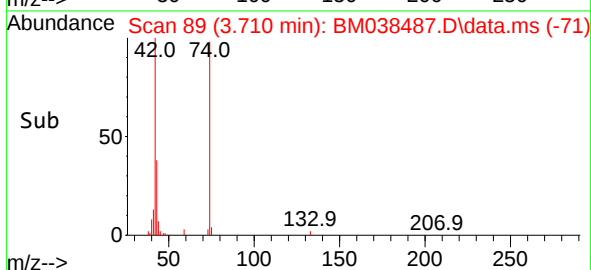
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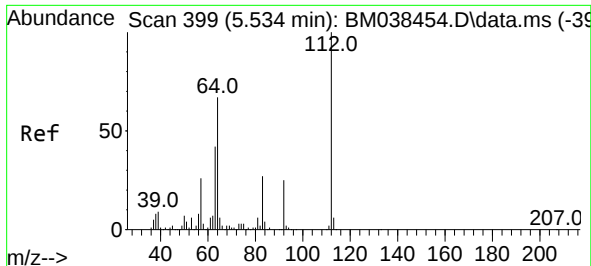


#4
n-Nitrosodimethylamine
Concen: 8.007 ng m
RT: 3.710 min Scan# 89
Delta R.T. 0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19



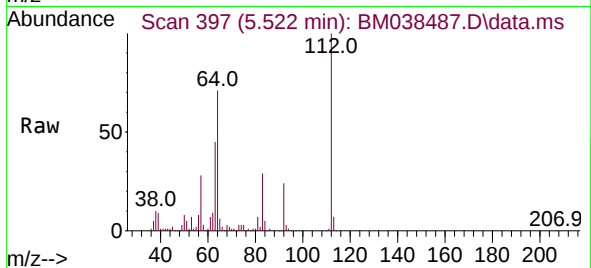
Tgt Ion: 42 Resp: 17032
Ion Ratio Lower Upper
42 100
74 98.3 79.7 119.5
44 7.4 4.7 7.1





#5
2-Fluorophenol
Concen: 111.728 ng
RT: 5.522 min Scan# 399
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

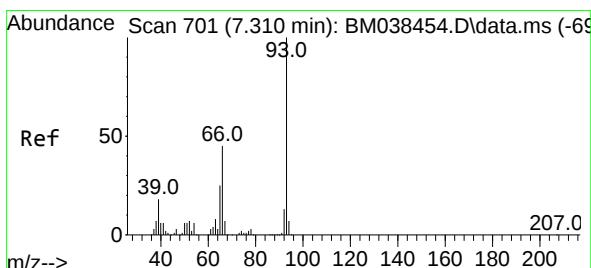
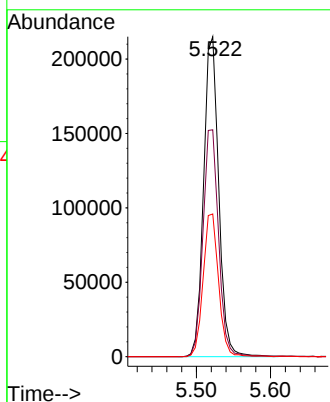
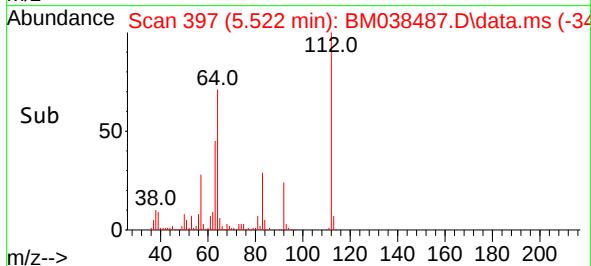
Instrument :
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Tgt Ion: 112 Resp: 303843
Ion Ratio Lower Upper
112 100
64 70.9 53.7 80.5
63 44.6 33.7 50.5

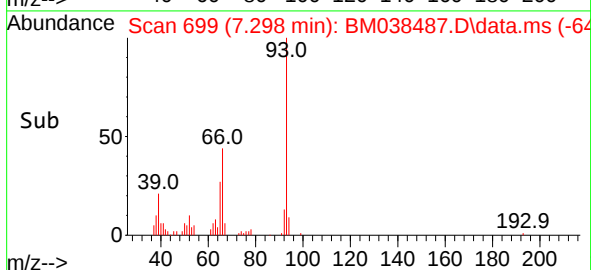
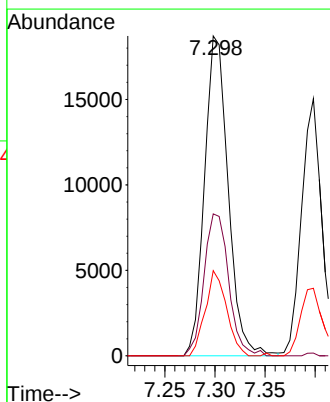
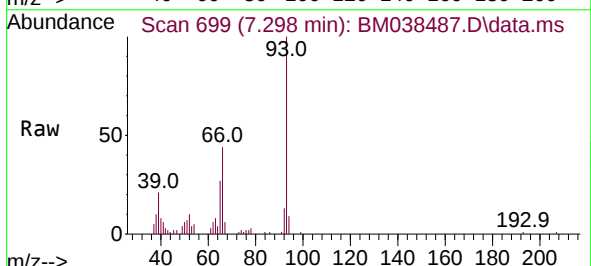
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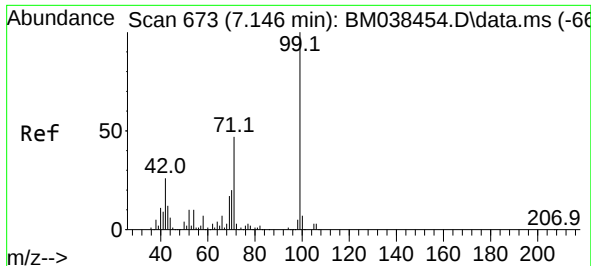
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#6
Aniline
Concen: 6.983 ng
RT: 7.298 min Scan# 699
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

Tgt Ion: 93 Resp: 30725
Ion Ratio Lower Upper
93 100
66 44.4 36.2 54.2
65 26.6 19.8 29.8





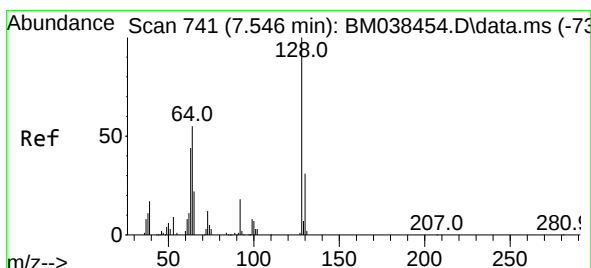
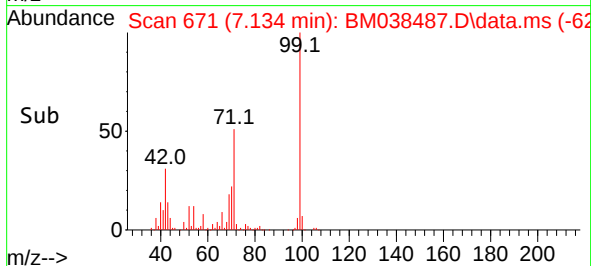
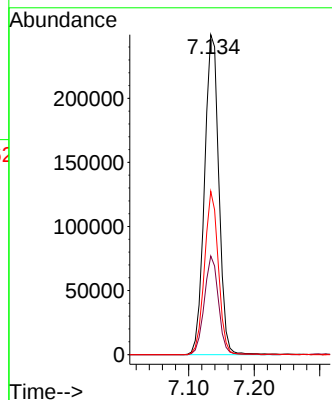
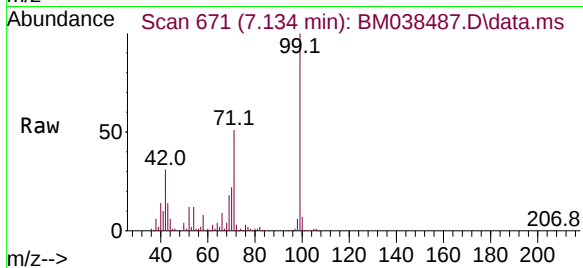
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Phenol-d6
Concen: 108.353 ng
RT: 7.134 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

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Tgt Ion: 99 Resp: 377460
Ion Ratio Lower Upper
99 100
42 30.8 20.8 31.2
71 51.0 37.8 56.8

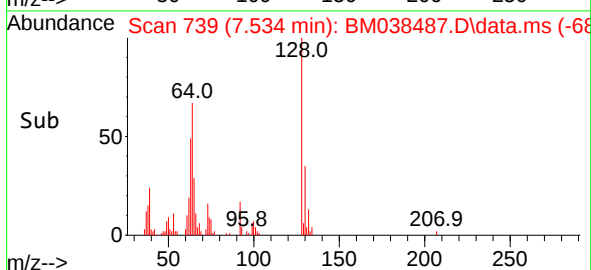
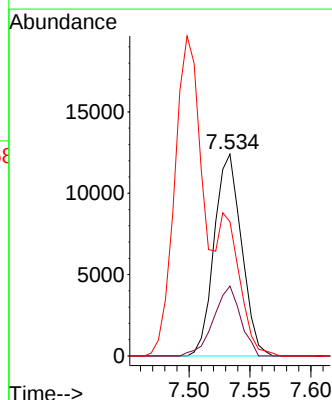
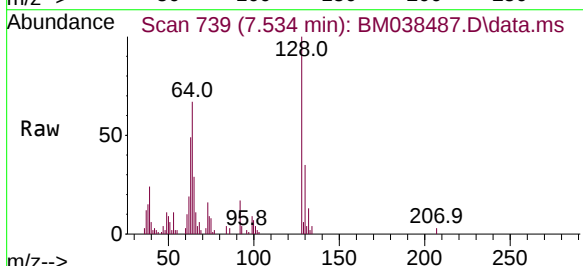
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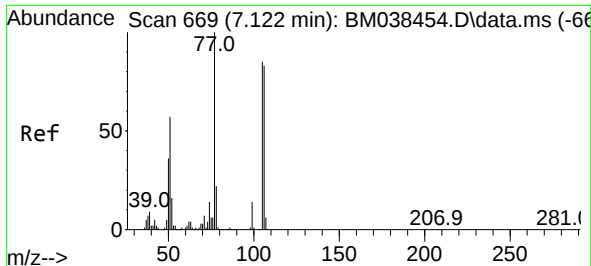
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#8
2-Chlorophenol
Concen: 7.185 ng
RT: 7.534 min Scan# 739
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

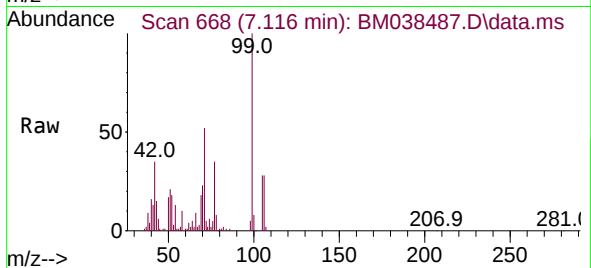
Tgt Ion:128 Resp: 19346
Ion Ratio Lower Upper
128 100
130 34.6 11.5 51.5
64 66.5 38.0 78.0





#9
Benzaldehyde
Concen: 10.129 ng
RT: 7.116 min Scan# 60
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

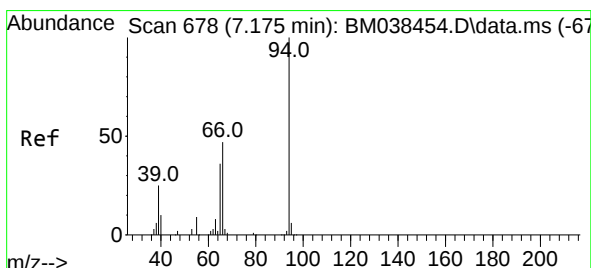
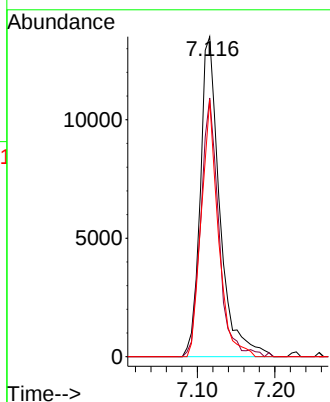
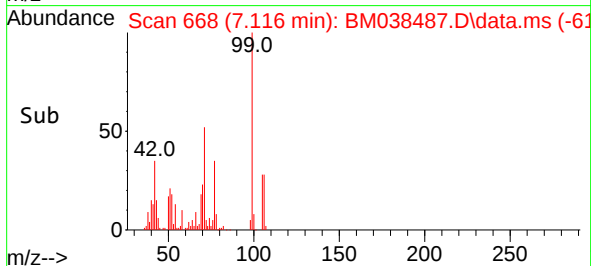
Instrument :
BNA_M
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Tgt Ion: 77 Resp: 2359
Ion Ratio Lower Upper
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105 80.8 65.3 105.3
106 80.3 62.5 102.5

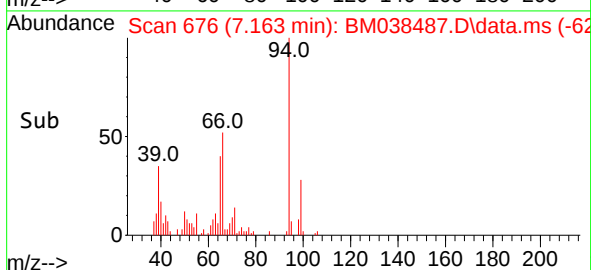
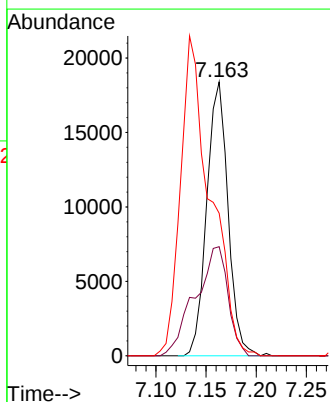
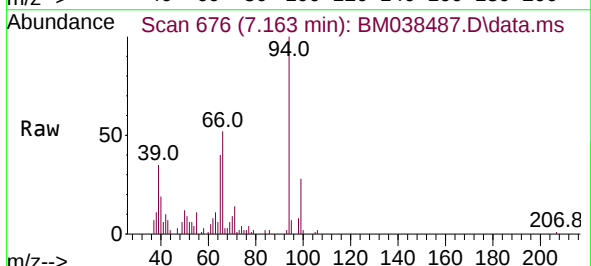
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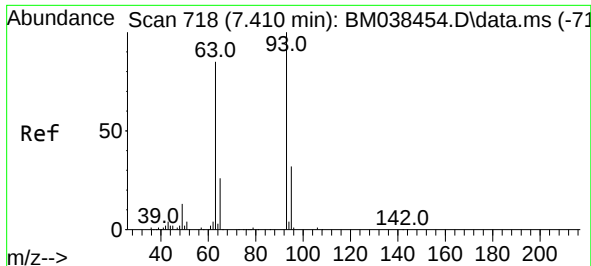
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#10
Phenol
Concen: 7.484 ng
RT: 7.163 min Scan# 676
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

Tgt Ion: 94 Resp: 27168
Ion Ratio Lower Upper
94 100
65 39.9 16.3 56.3
66 52.1 29.2 69.2





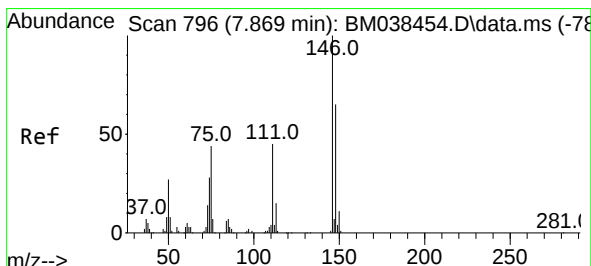
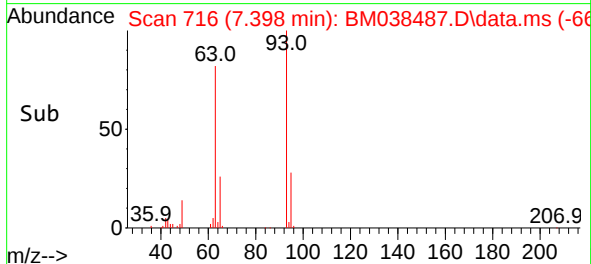
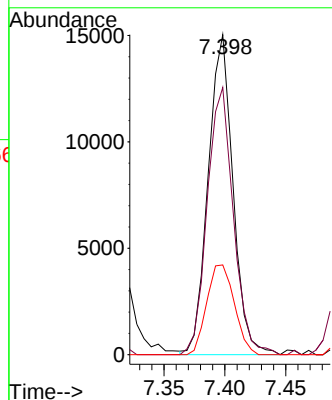
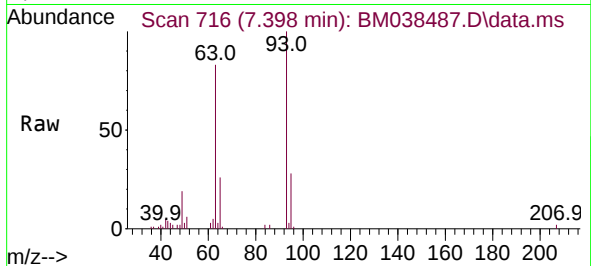
#11
bis(2-Chloroethyl)ether
Concen: 7.232 ng
RT: 7.398 min Scan# 718
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion: 93 Resp: 21276
Ion Ratio Lower Upper
93 100
63 83.5 64.6 104.6
95 28.0 12.0 52.0

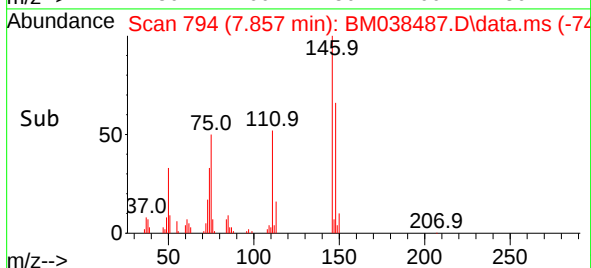
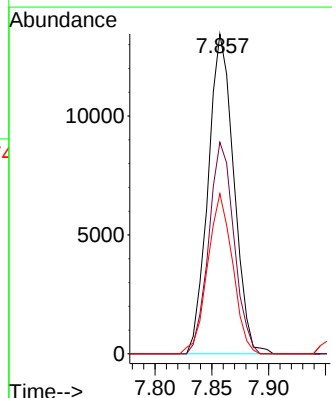
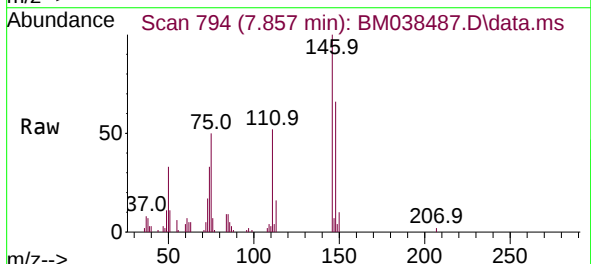
Manual Integrations
APPROVED

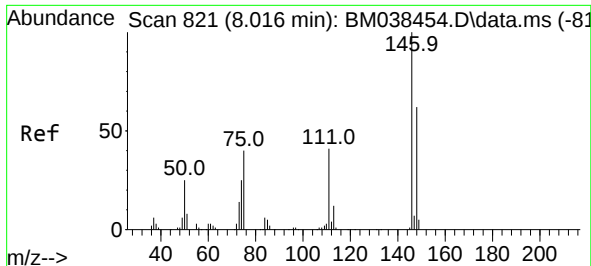
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#12
1,3-Dichlorobenzene
Concen: 7.337 ng
RT: 7.857 min Scan# 794
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

Tgt Ion:146 Resp: 21163
Ion Ratio Lower Upper
146 100
148 66.1 51.8 77.8
75 50.1 35.1 52.7





#13

1,4-Dichlorobenzene

Concen: 7.310 ng

RT: 8.010 min Scan# 801

Delta R.T. 0.000 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

Instrument :

BNA_M

ClientSampleId :

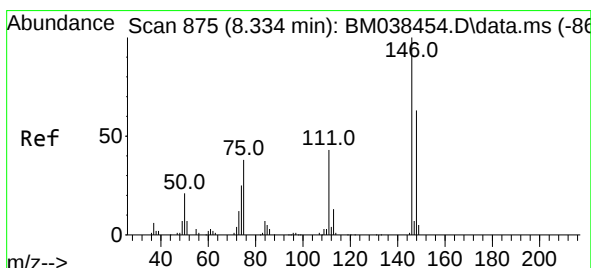
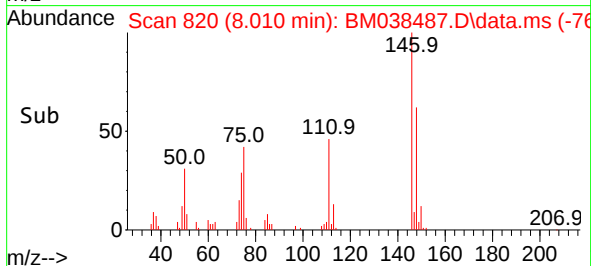
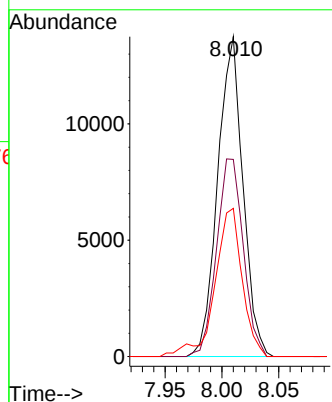
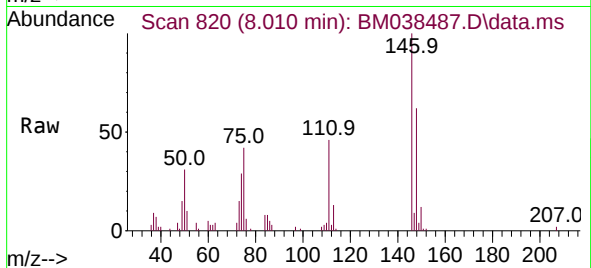
MDL-SOIL-03-QT3-2022

Tgt Ion:	146	Resp:	21215
Ion Ratio	Lower	Upper	
146	100		
148	61.6	50.1	75.1
111	46.3	32.8	49.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#14

1,2-Dichlorobenzene

Concen: 7.477 ng

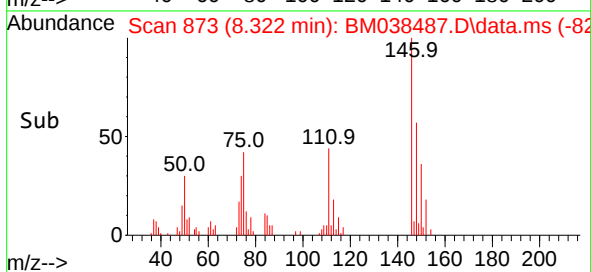
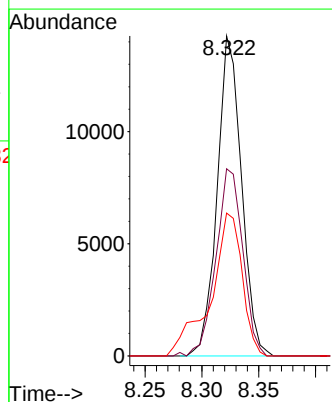
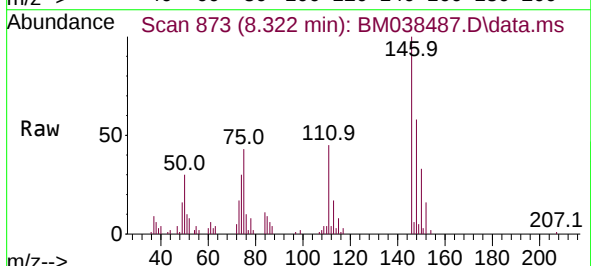
RT: 8.322 min Scan# 873

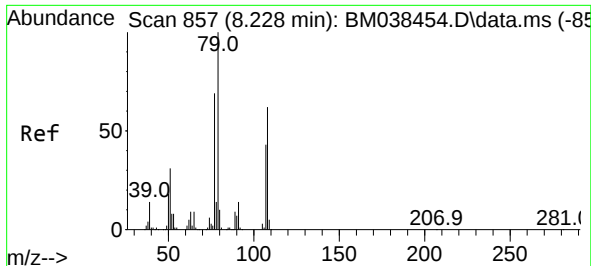
Delta R.T. -0.006 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

Tgt Ion:	146	Resp:	21215
Ion Ratio	Lower	Upper	
146	100		
148	58.5	50.7	76.1
111	44.6	35.2	52.8





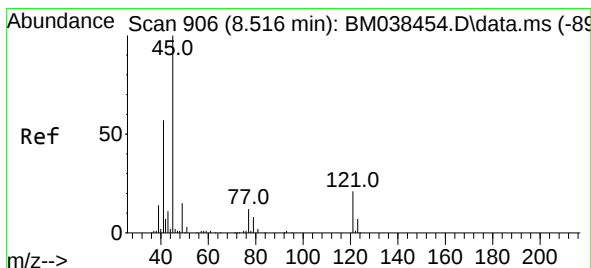
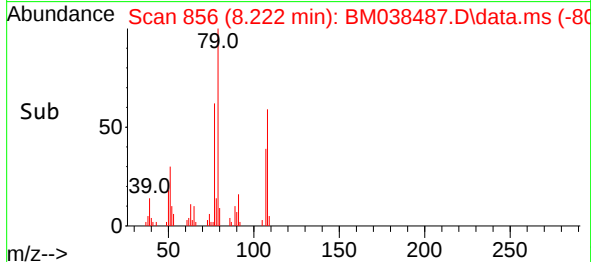
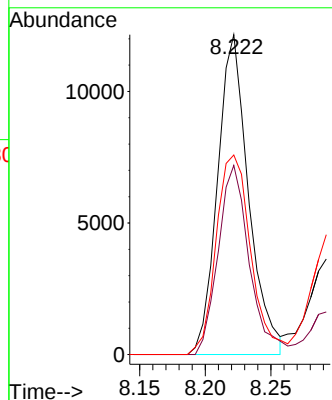
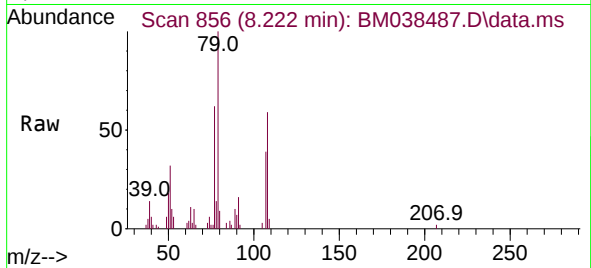
#15
Benzyl Alcohol
Concen: 7.175 ng
RT: 8.222 min Scan# 857
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

Instrument :
BNA_M
Client SampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion: 79 Resp: 20018
Ion Ratio Lower Upper
79 100
108 59.1 49.3 73.9
77 62.4 55.1 82.7

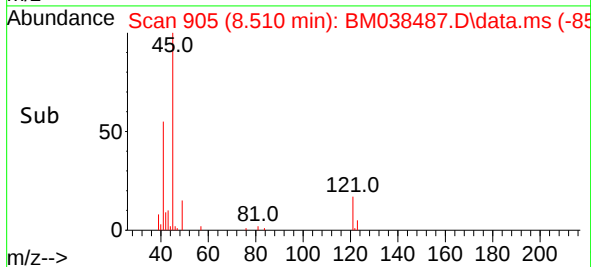
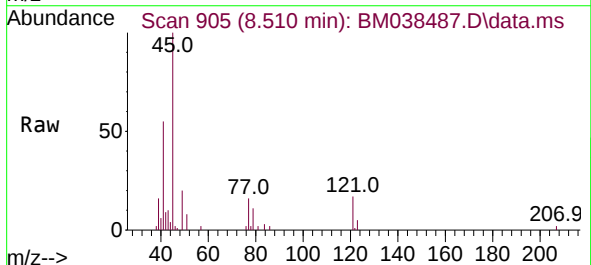
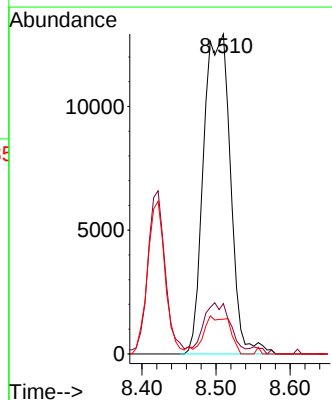
Manual Integrations
APPROVED

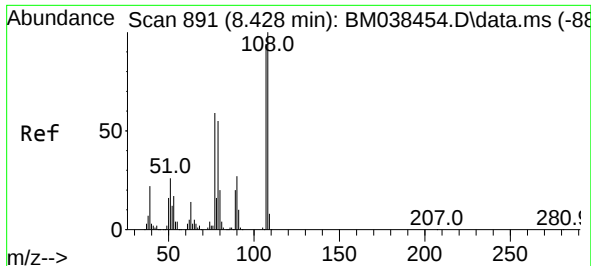
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.917 ng
RT: 8.510 min Scan# 905
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

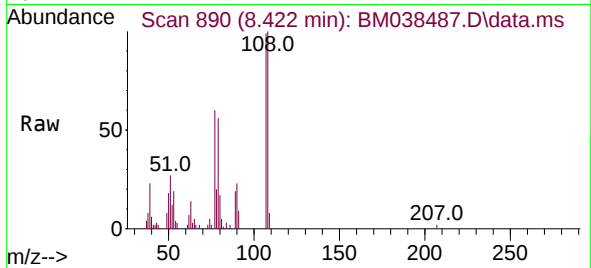
Tgt Ion: 45 Resp: 32474
Ion Ratio Lower Upper
45 100
77 15.7 0.0 34.7
79 10.8 0.0 30.4





#17
2-Methylphenol
Concen: 6.791 ng
RT: 8.422 min Scan# 891
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

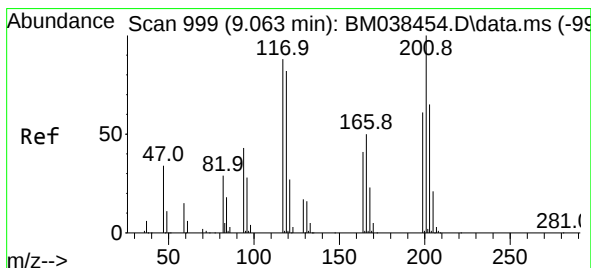
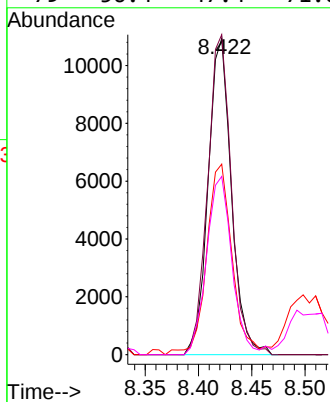
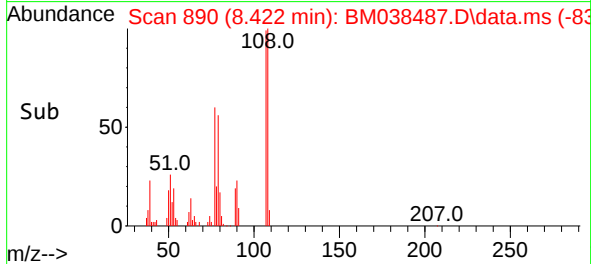
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:	107	Resp:	1665
Ion Ratio	Lower	Upper	
107	100		
108	101.2	85.7	128.5
77	60.3	50.5	75.7
79	56.4	47.4	71.0

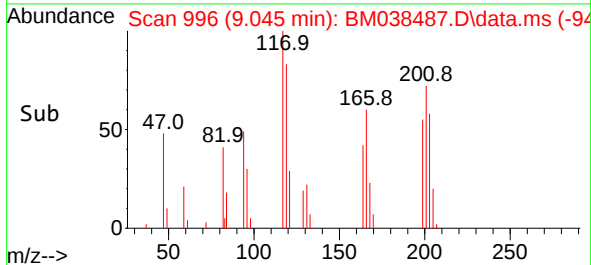
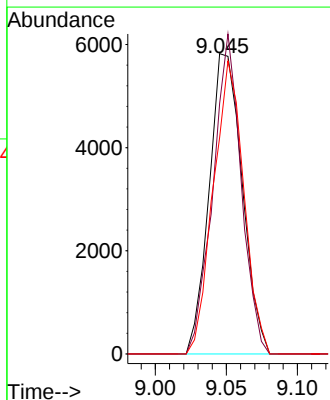
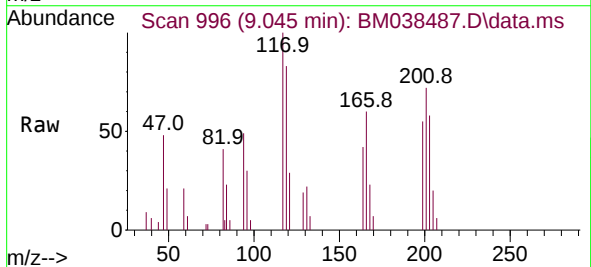
Manual Integrations
APPROVED

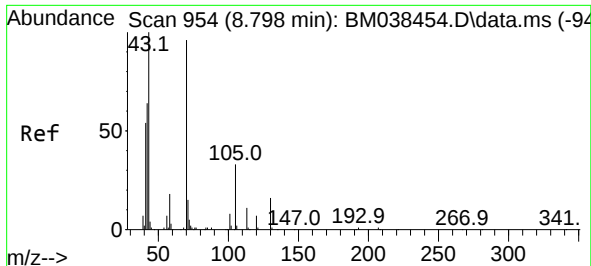
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#18
Hexachloroethane
Concen: 7.913 ng
RT: 9.045 min Scan# 996
Delta R.T. -0.012 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

Tgt Ion:	117	Resp:	9405
Ion Ratio	Lower	Upper	
117	100		
119	83.4	74.5	111.7
201	72.1	91.3	136.9





#19

n-Nitroso-di-n-propylamine

Concen: 7.374 ng

RT: 8.781 min Scan# 91

Delta R.T. -0.012 min

Lab File: BM038487.D

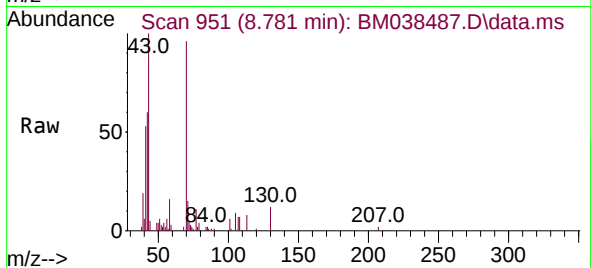
Acq: 19 Jan 2023 13:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion: 70 Resp: 1864

Ion Ratio Lower Upper

70 100

42 62.7 54.2 81.2

101 6.2 6.6 10.0

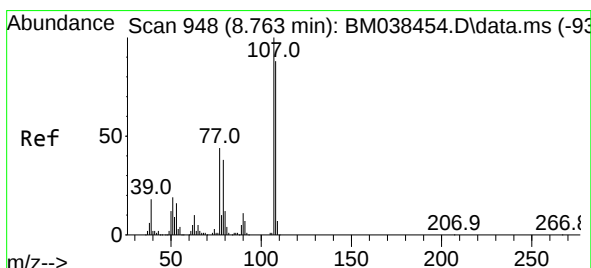
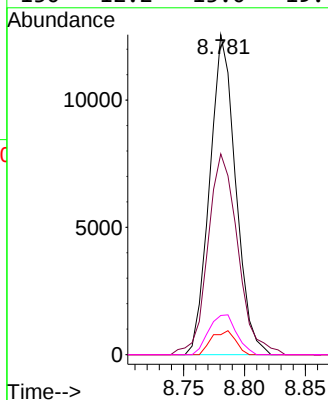
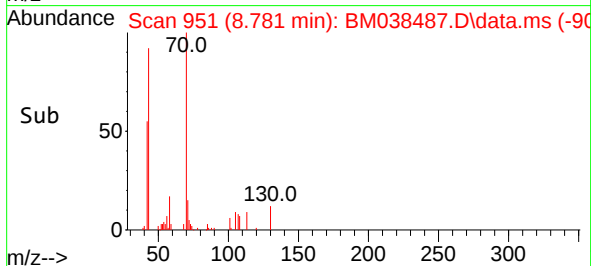
130 12.2 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023

Supervised By :Jagrut Upadhyay 01/20/2023



#20

3+4-Methylphenols

Concen: 6.201 ng

RT: 8.751 min Scan# 946

Delta R.T. 0.000 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

Tgt Ion:107 Resp: 20413

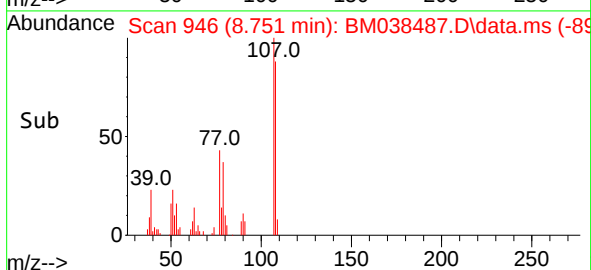
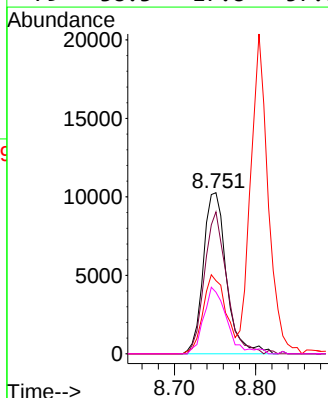
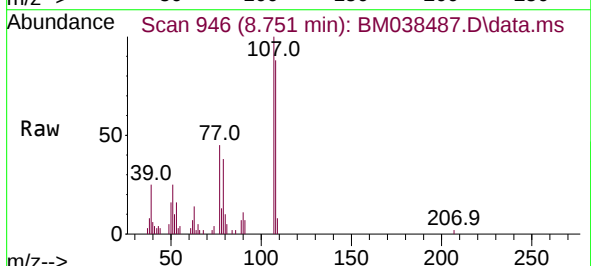
Ion Ratio Lower Upper

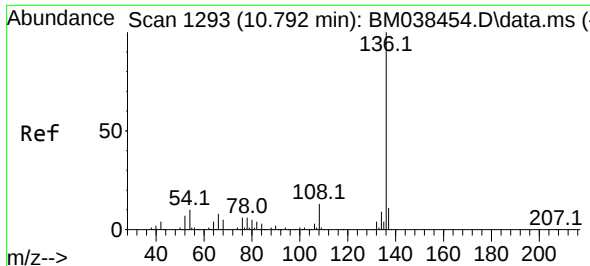
107 100

108 88.0 67.6 107.6

77 45.4 24.1 64.1

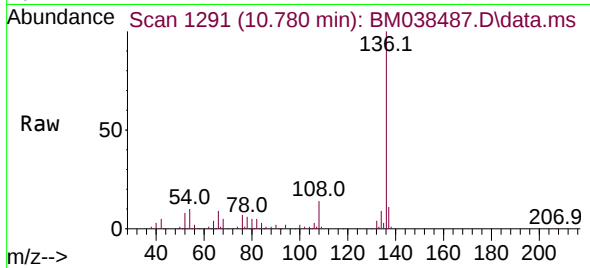
79 38.3 17.8 57.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

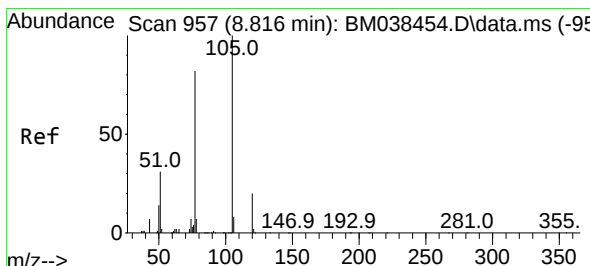
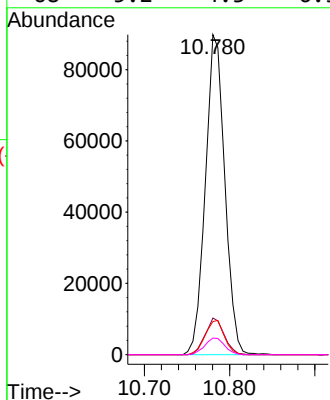
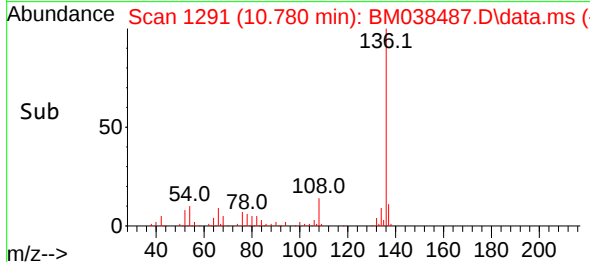
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT3-2022



Tgt Ion:136 Resp: 142204
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 10.3 7.6 11.4
68 5.2 4.3 6.5

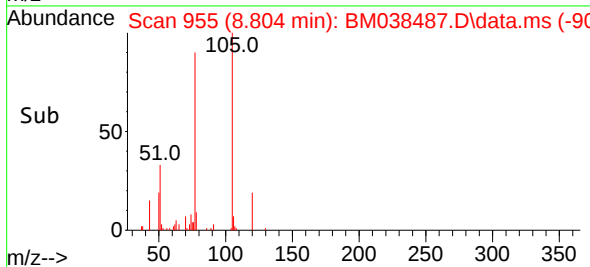
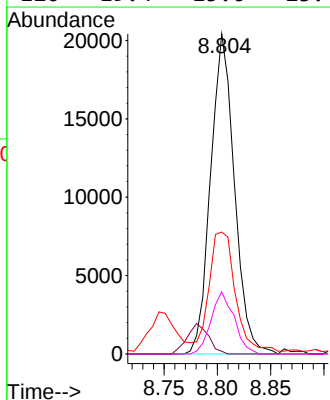
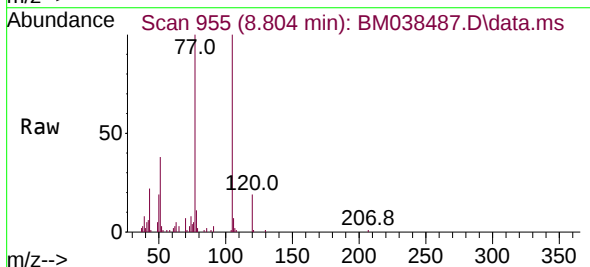
Manual Integrations
APPROVED

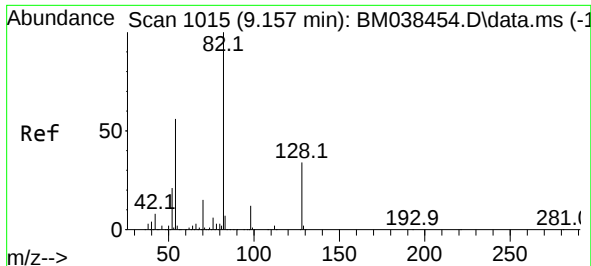
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#22
Acetophenone
Concen: 7.559 ng
RT: 8.804 min Scan# 955
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

Tgt Ion:105 Resp: 31772
Ion Ratio Lower Upper
105 100
71 0.8 1.0 1.6#
51 38.1 27.4 41.2
120 19.4 15.6 23.4





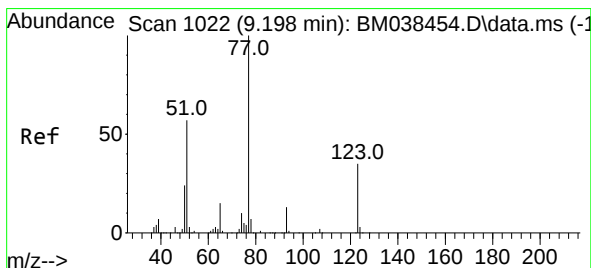
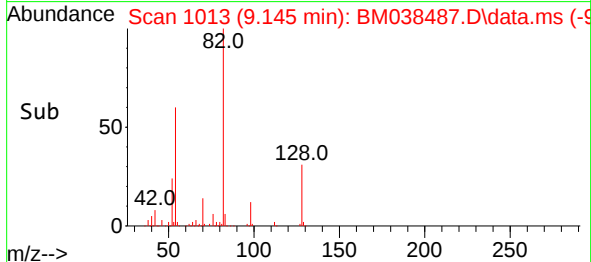
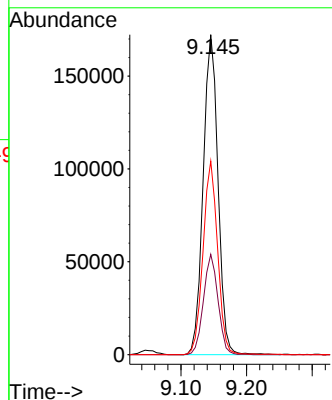
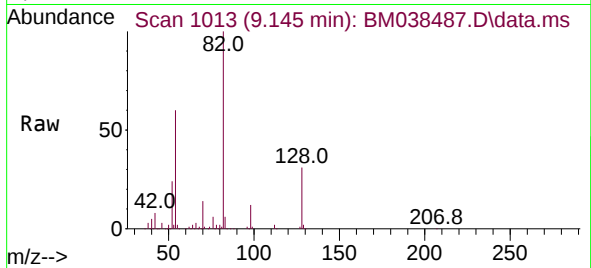
#23
Nitrobenzene-d5
Concen: 77.166 ng
RT: 9.145 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion: 82 Resp: 269316
Ion Ratio Lower Upper
82 100
128 31.3 27.0 40.6
54 60.5 45.0 67.6

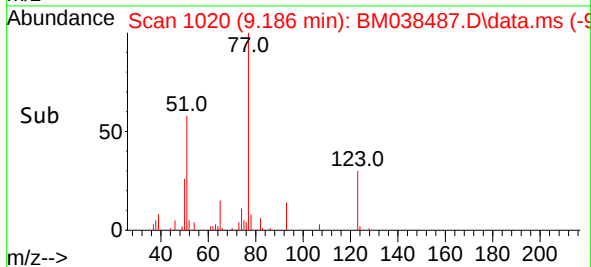
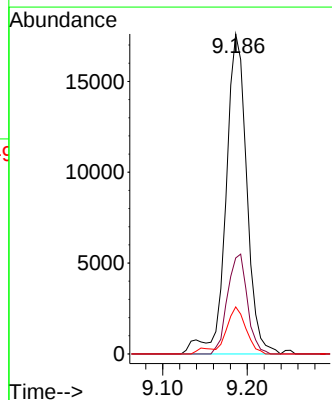
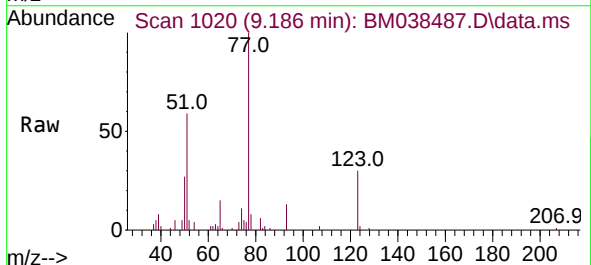
Manual Integrations
APPROVED

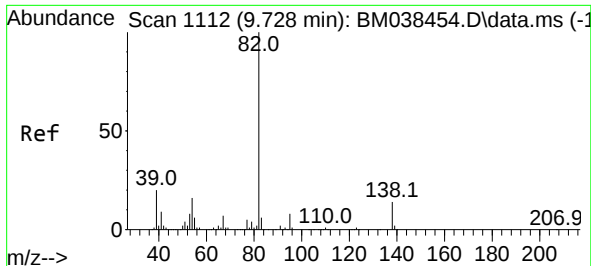
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#24
Nitrobenzene
Concen: 8.145 ng m
RT: 9.186 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

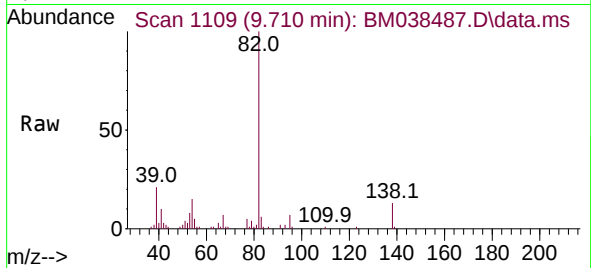
Tgt Ion: 77 Resp: 30035
Ion Ratio Lower Upper
77 100
123 30.0 28.2 42.4
65 14.7 12.1 18.1





#25
Isophorone
Concen: 7.250 ng
RT: 9.710 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

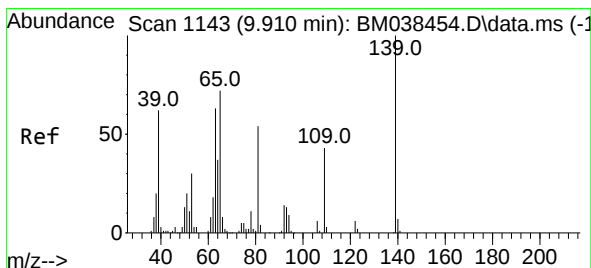
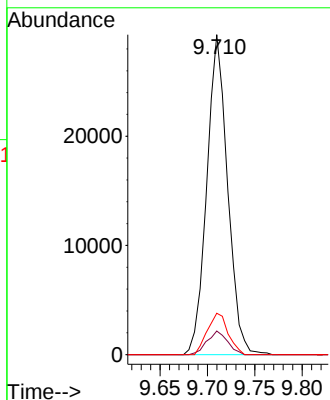
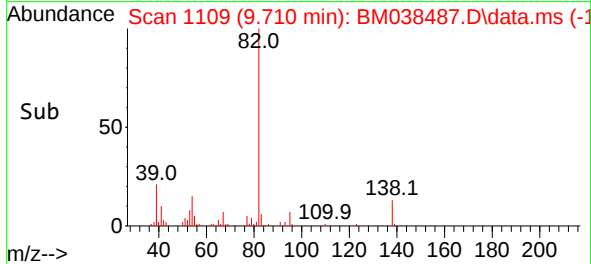
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT3-2022



Tgt Ion: 82 Resp: 44820
Ion Ratio Lower Upper
82 100
95 7.4 6.1 9.1
138 12.9 11.5 17.3

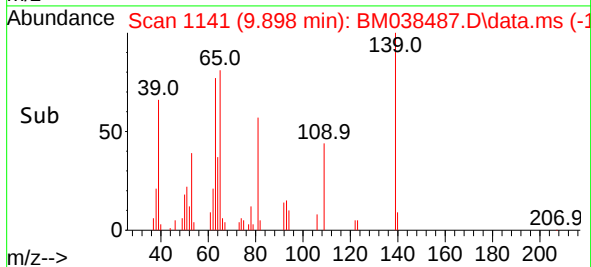
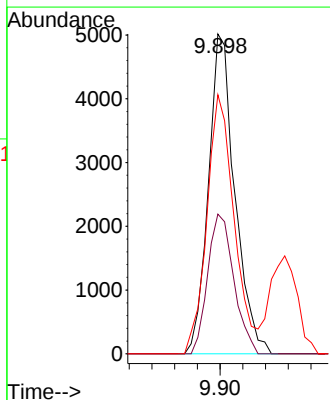
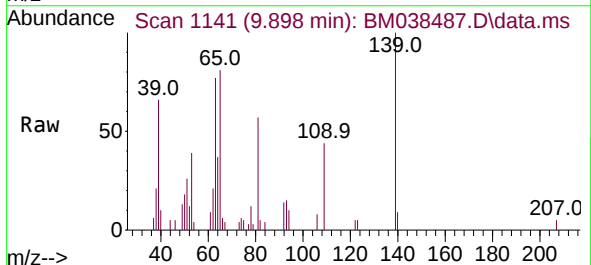
Manual Integrations
APPROVED

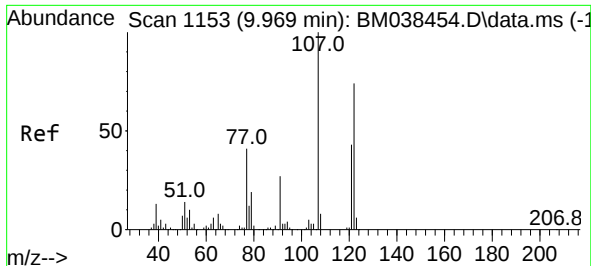
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#26
2-Nitrophenol
Concen: 6.268 ng
RT: 9.898 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

Tgt Ion:139 Resp: 8115
Ion Ratio Lower Upper
139 100
109 43.7 34.7 52.1
65 81.0 57.4 86.0





#27

2,4-Dimethylphenol

Concen: 6.198 ng

RT: 9.957 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BM038487.D

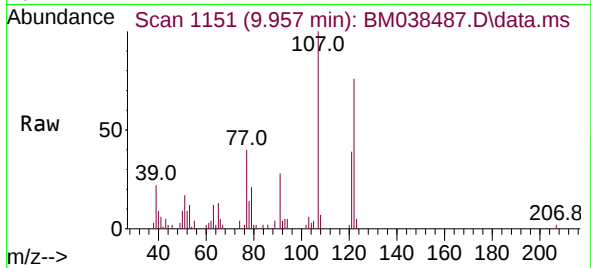
Acq: 19 Jan 2023 13:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2022

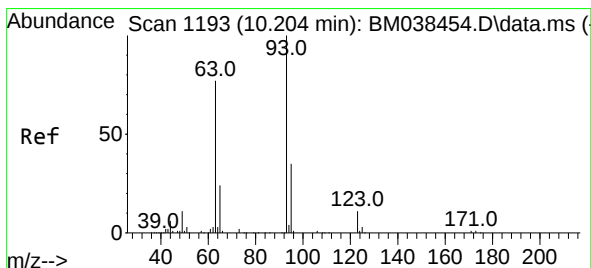
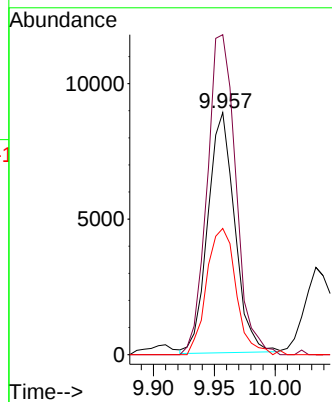
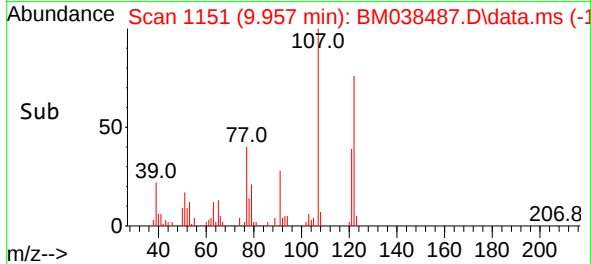


Tgt Ion:	122	Resp:	13664
Ion	Ratio	Lower	Upper
122	100		
107	132.2	107.4	161.0
121	52.1	46.6	70.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#28

bis(2-Chloroethoxy)methane

Concen: 7.160 ng

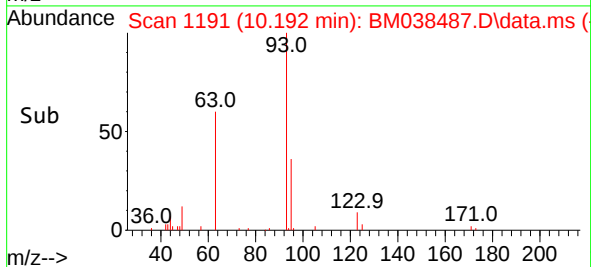
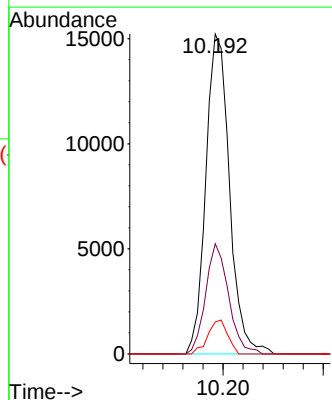
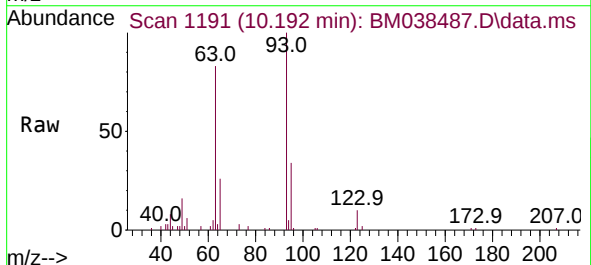
RT: 10.192 min Scan# 1191

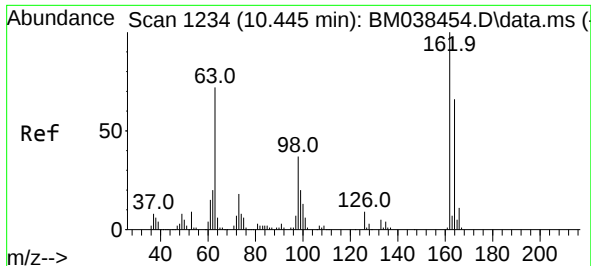
Delta R.T. -0.006 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

Tgt Ion:	93	Resp:	24894
Ion	Ratio	Lower	Upper
93	100		
95	34.4	27.7	41.5
123	10.0	8.6	13.0





#29

2,4-Dichlorophenol

Concen: 6.597 ng

RT: 10.433 min Scan# 1232

Delta R.T. 0.000 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

Instrument :

BNA_M

ClientSampleId :

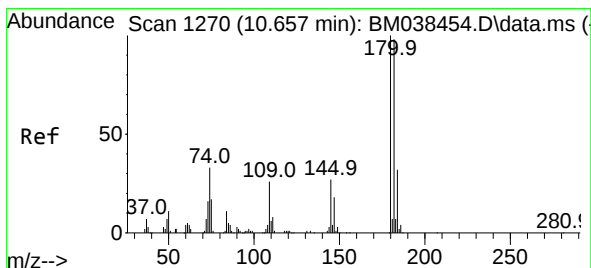
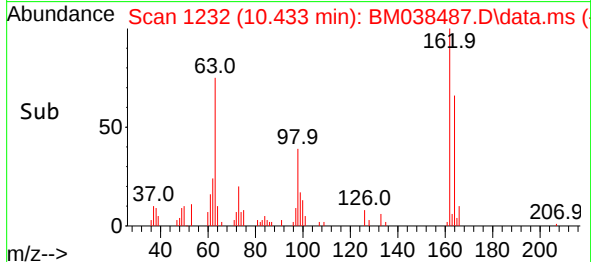
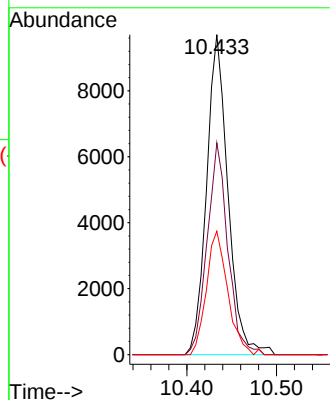
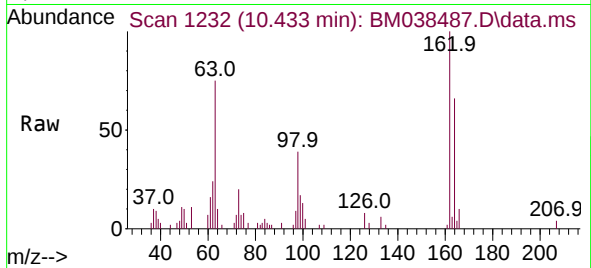
MDL-SOIL-03-QT3-2022

Tgt Ion:	162	Resp:	1606
Ion Ratio	Lower	Upper	
162	100		
164	66.2	46.5	86.5
98	38.6	17.1	57.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#30

1,2,4-Trichlorobenzene

Concen: 7.018 ng

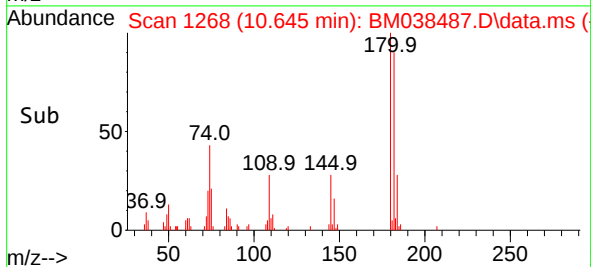
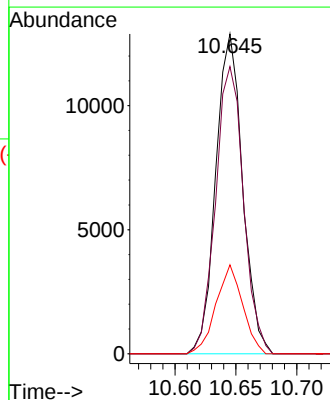
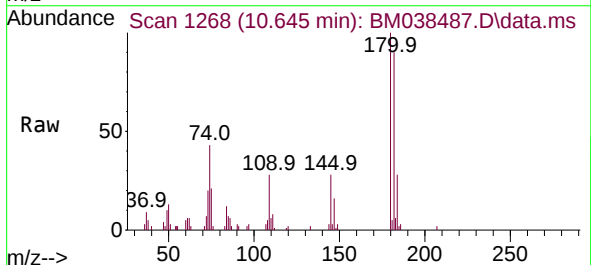
RT: 10.645 min Scan# 1268

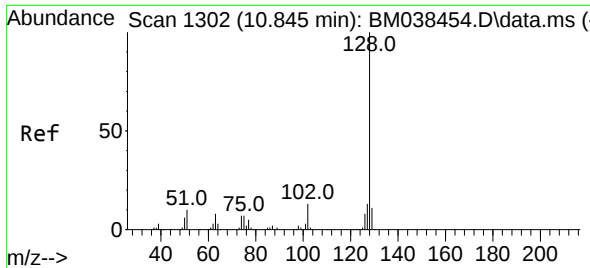
Delta R.T. -0.006 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

Tgt Ion:	180	Resp:	19765
Ion Ratio	Lower	Upper	
180	100		
182	89.8	78.1	117.1
145	27.8	21.9	32.9





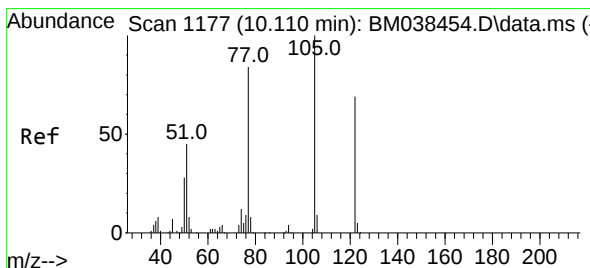
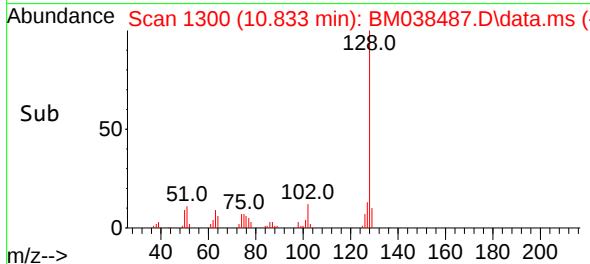
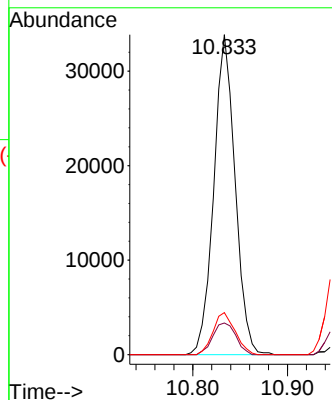
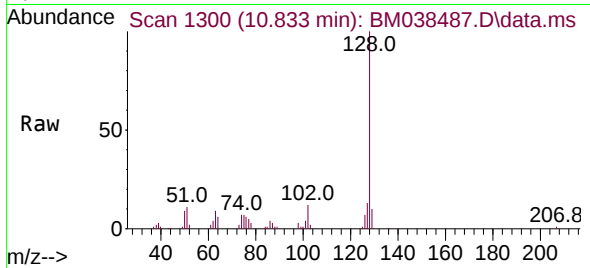
#31
Naphthalene
Concen: 7.015 ng
RT: 10.833 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:128 Resp: 5287
Ion Ratio Lower Upper
128 100
129 9.9 8.9 13.3
127 13.1 10.8 16.2

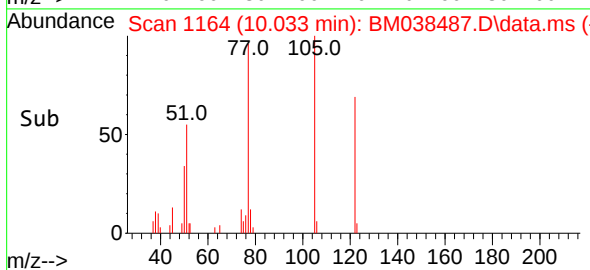
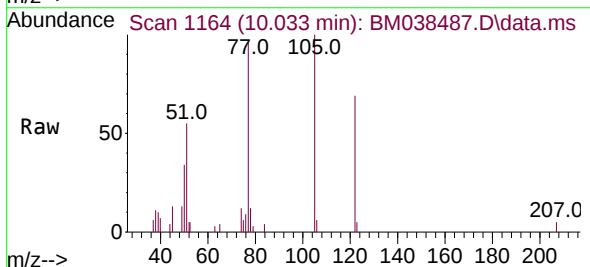
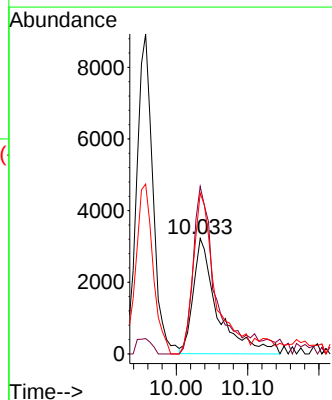
Manual Integrations
APPROVED

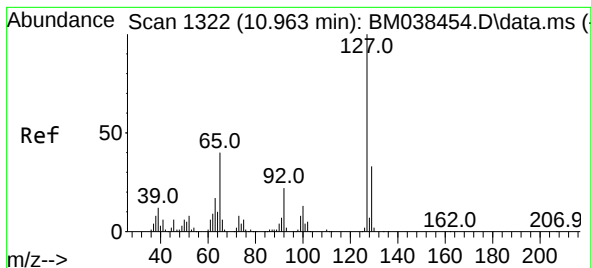
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#32
Benzoic acid
Concen: 8.805 ng m
RT: 10.033 min Scan# 1164
Delta R.T. -0.065 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

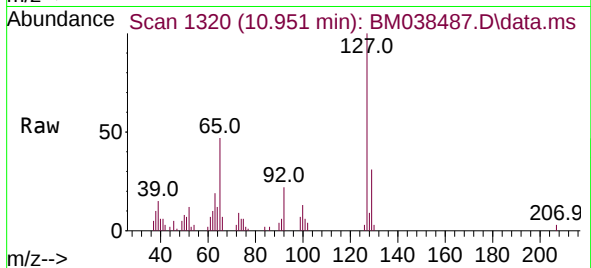
Tgt Ion:122 Resp: 7591
Ion Ratio Lower Upper
122 100
105 145.1 122.6 162.6
77 139.3 101.5 141.5





#33
4-Chloroaniline
Concen: 6.343 ng
RT: 10.951 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

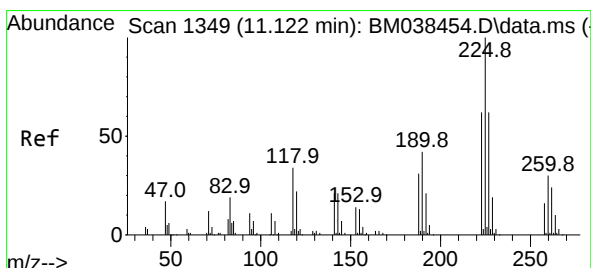
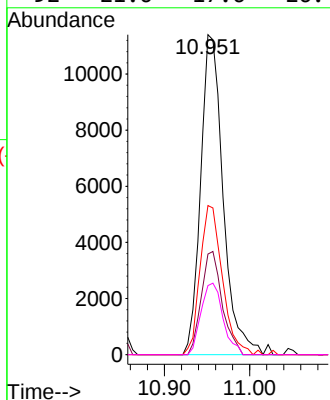
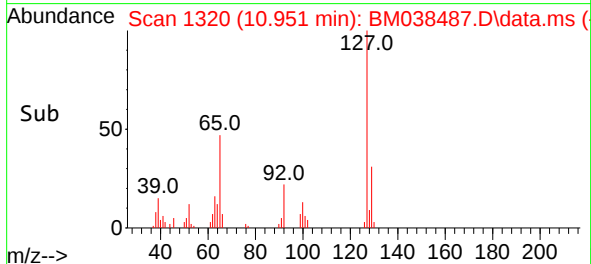
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



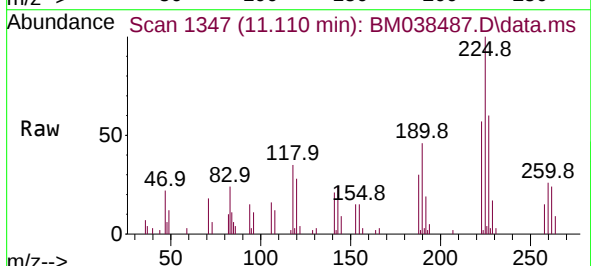
Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.4	39.6
65	46.6	32.1	48.1
92	21.6	17.6	26.4

Manual Integrations
APPROVED

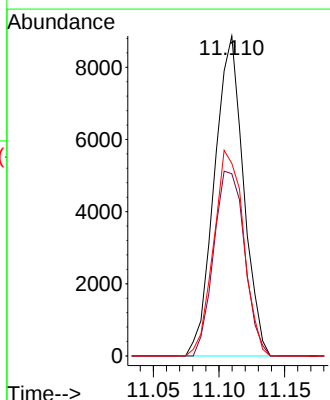
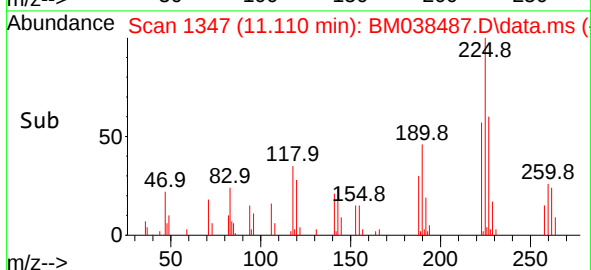
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

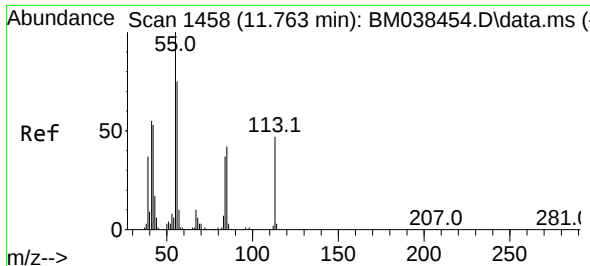


#34
Hexachlorobutadiene
Concen: 6.918 ng
RT: 11.110 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19



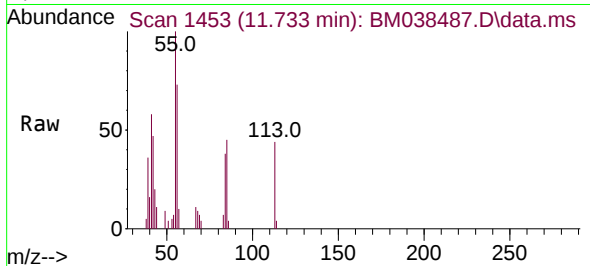
Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.1	49.8	74.8
227	60.9	49.6	74.4





#35
Caprolactam
Concen: 5.314 ng
RT: 11.733 min Scan# 1458
Delta R.T. -0.018 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

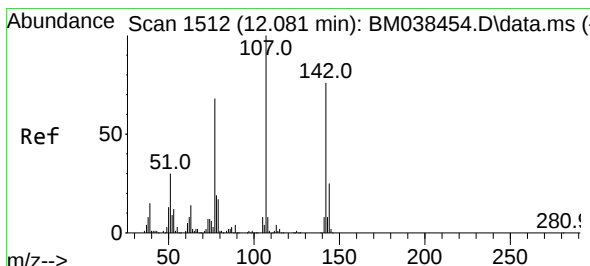
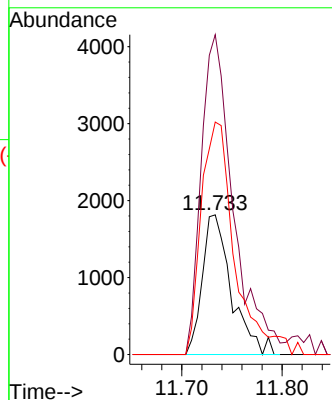
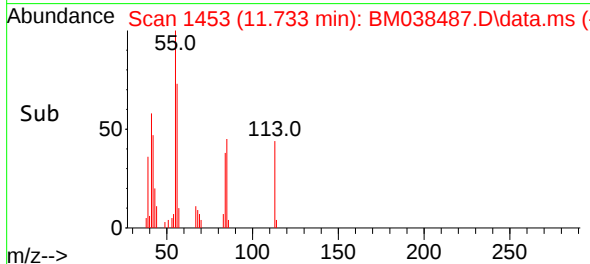
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:113 Resp: 3658
Ion Ratio Lower Upper
113 100
55 229.0 194.2 234.2
56 166.5 141.6 181.6

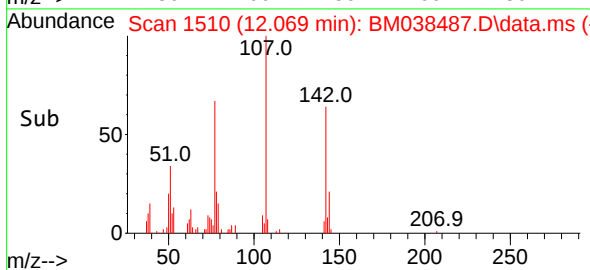
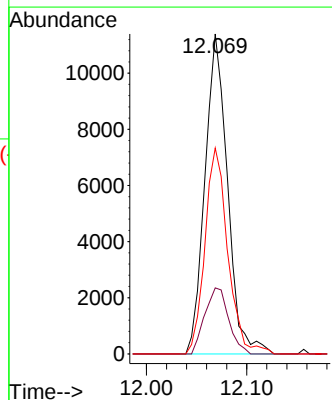
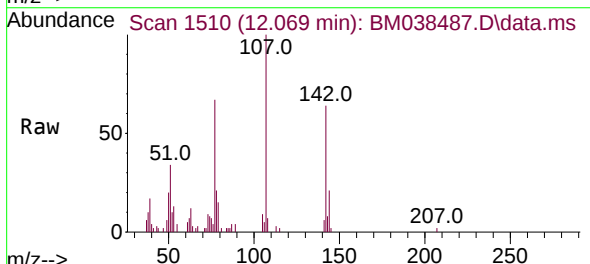
Manual Integrations
APPROVED

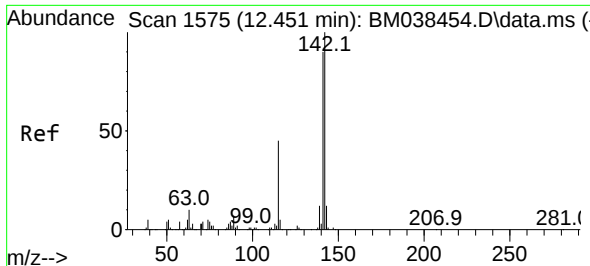
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#36
4-Chloro-3-methylphenol
Concen: 6.717 ng
RT: 12.069 min Scan# 1510
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

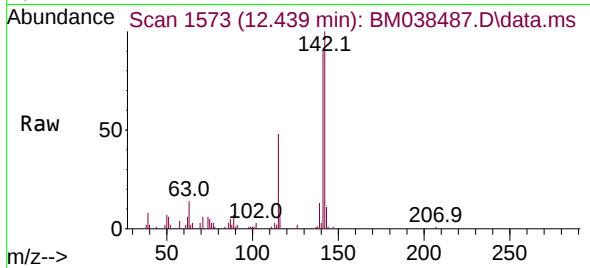
Tgt Ion:107 Resp: 17835
Ion Ratio Lower Upper
107 100
144 20.6 20.3 30.5
142 64.4 61.2 91.8





#37
2-Methylnaphthalene
Concen: 6.297 ng
RT: 12.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

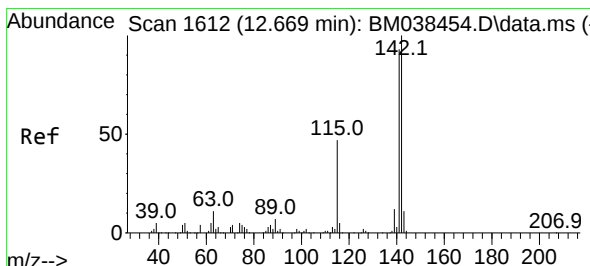
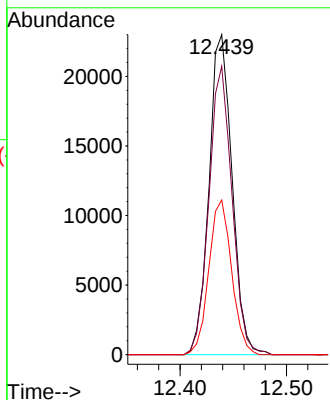
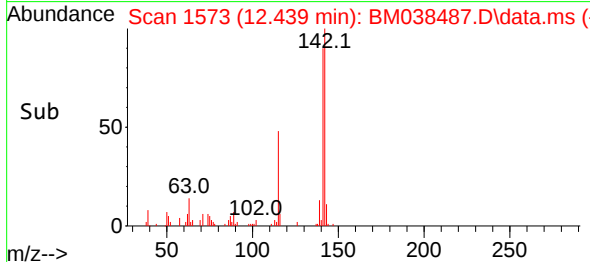
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



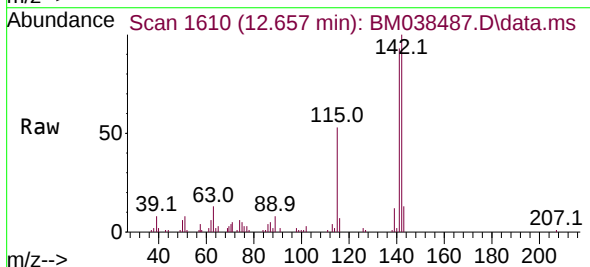
Tgt Ion:142 Resp: 34699
Ion Ratio Lower Upper
142 100
141 90.1 72.0 108.0
115 48.3 35.9 53.9

Manual Integrations
APPROVED

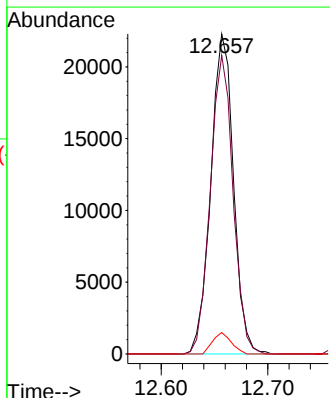
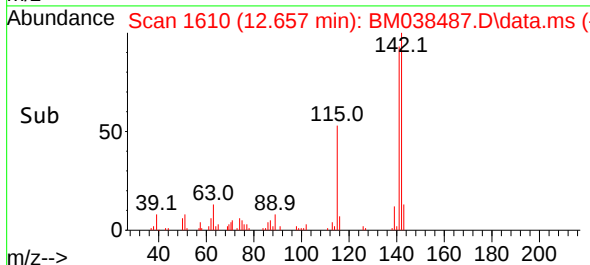
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

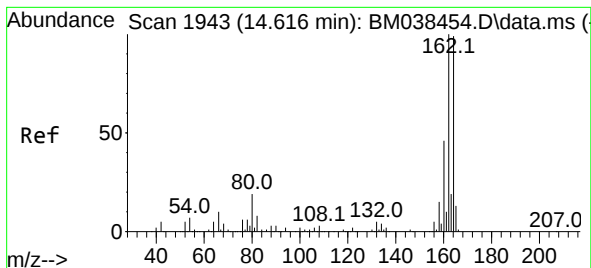


#38
1-Methylnaphthalene
Concen: 6.378 ng
RT: 12.657 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19



Tgt Ion:142 Resp: 32998
Ion Ratio Lower Upper
142 100
141 93.3 74.4 111.6
116 6.7 3.8 5.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.604 min Scan# 1943

Delta R.T. -0.006 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

Instrument :

BNA_M

ClientSampleId :

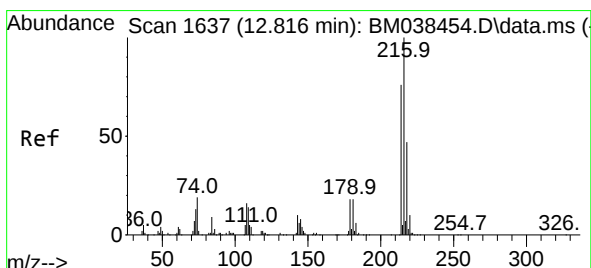
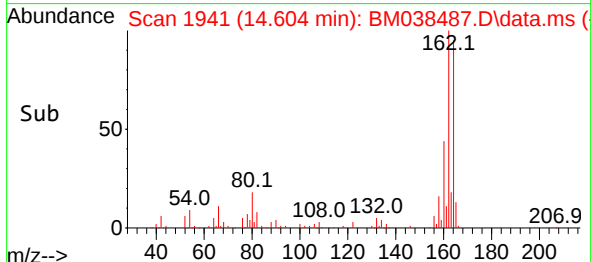
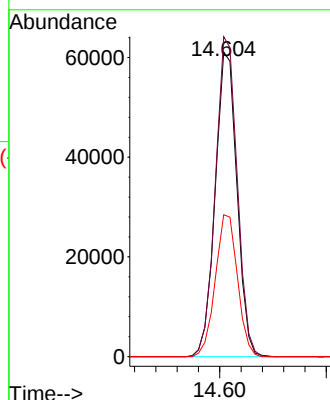
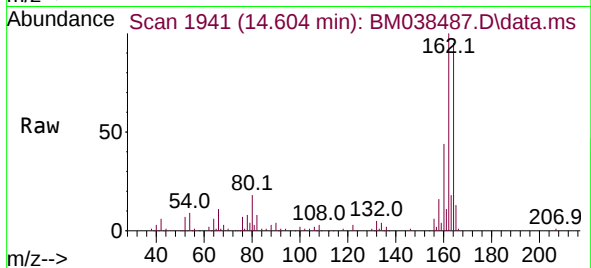
MDL-SOIL-03-QT3-2022

Tgt Ion:164 Resp: 86690
 Ion Ratio Lower Upper
 164 100
 162 105.1 80.9 121.3
 160 46.6 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023
 Supervised By :Jagrut Upadhyay 01/20/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.018 ng

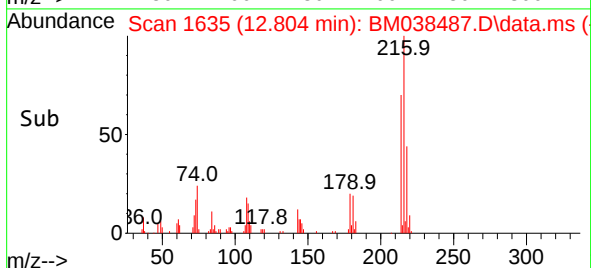
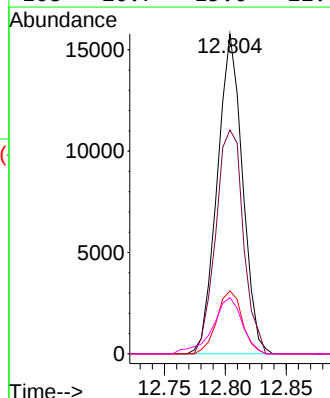
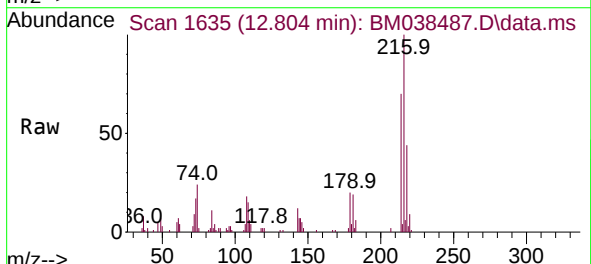
RT: 12.804 min Scan# 1635

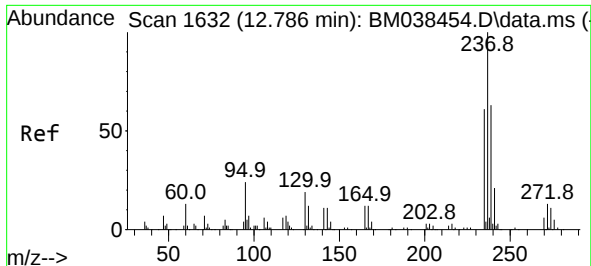
Delta R.T. -0.006 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

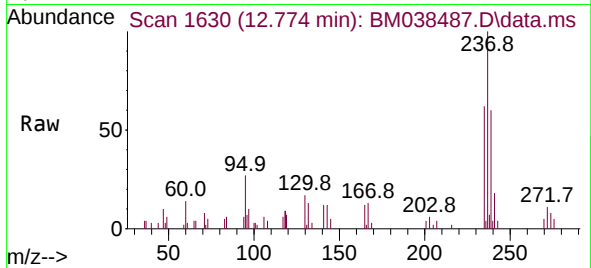
Tgt Ion:216 Resp: 22770
 Ion Ratio Lower Upper
 216 100
 214 76.5 61.4 92.0
 179 19.8 15.3 22.9
 108 20.7 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 6.122 ng
RT: 12.774 min Scan# 1630
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

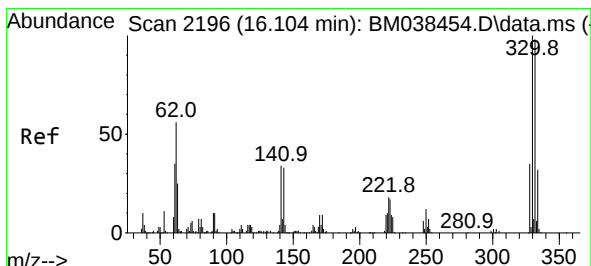
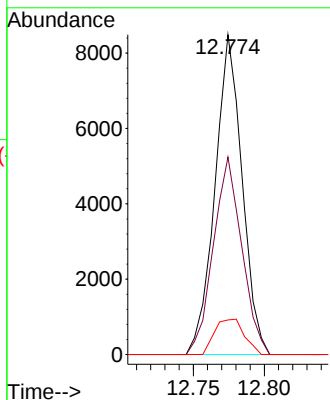
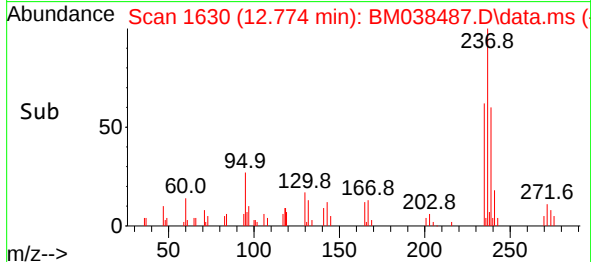
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



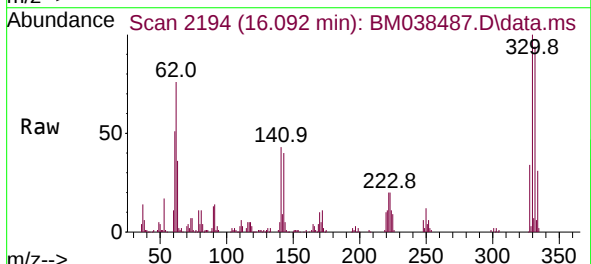
Tgt Ion:237 Resp: 11294
Ion Ratio Lower Upper
237 100
235 61.7 40.9 80.9
272 10.8 0.0 32.6

Manual Integrations
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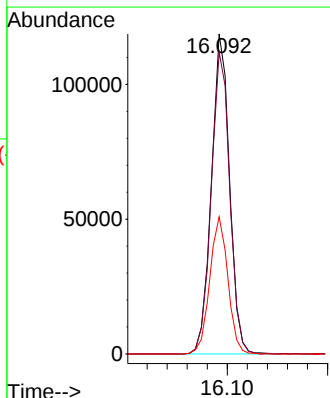
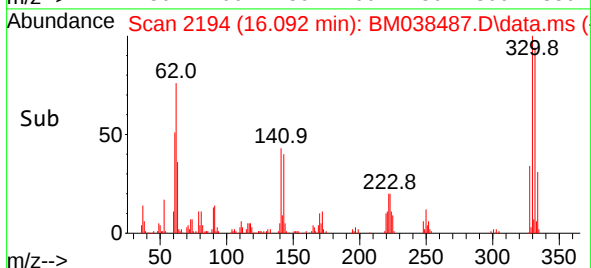
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

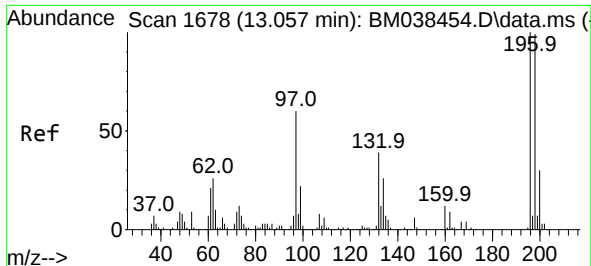


#42
2,4,6-Tribromophenol
Concen: 101.737 ng
RT: 16.092 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19



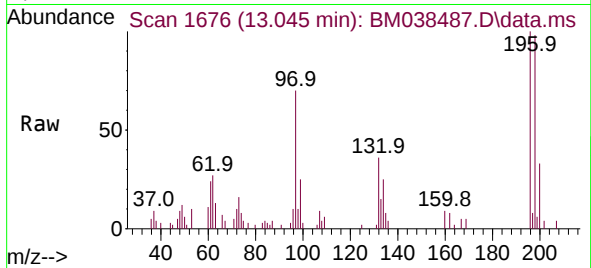
Tgt Ion:330 Resp: 149095
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.4
141 42.8 28.1 42.1#





#43
2,4,6-Trichlorophenol
Concen: 6.643 ng
RT: 13.045 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

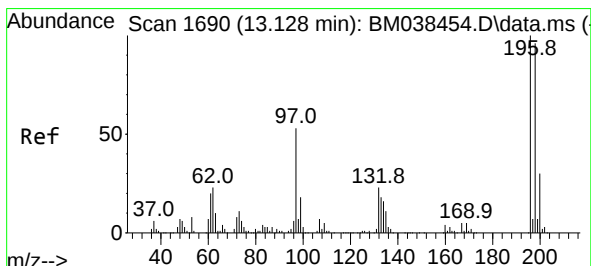
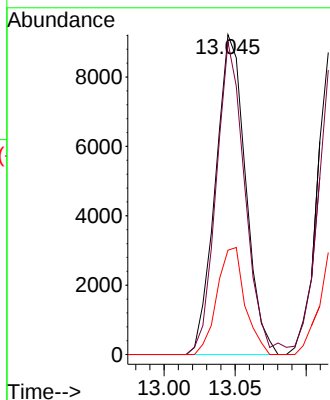
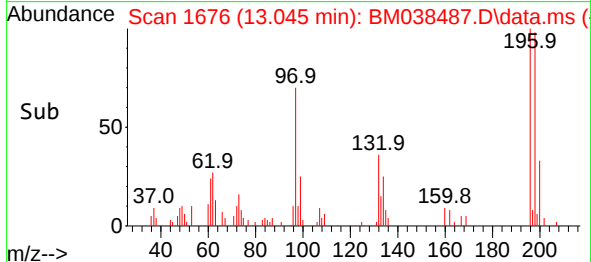
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



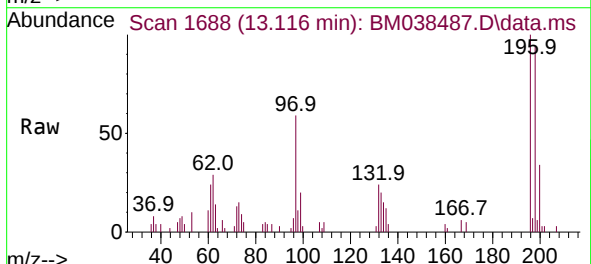
Tgt Ion:196 Resp: 13625
Ion Ratio Lower Upper
196 100
198 97.7 78.8 118.2
200 32.6 24.4 36.6

Manual Integrations
APPROVED

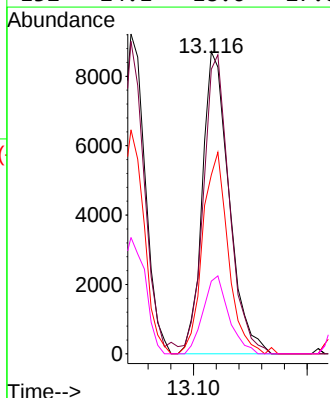
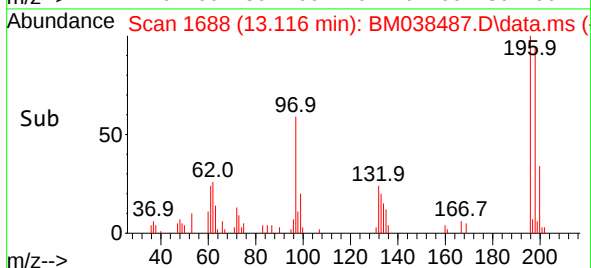
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

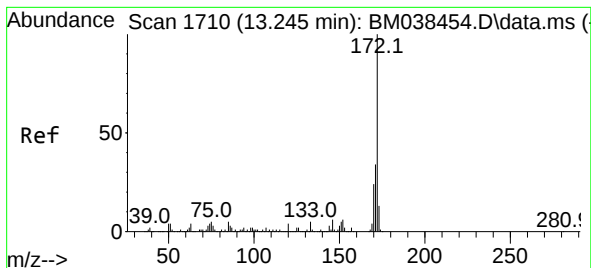


#44
2,4,5-Trichlorophenol
Concen: 5.915 ng
RT: 13.116 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19



Tgt Ion:196 Resp: 14303
Ion Ratio Lower Upper
196 100
198 94.2 77.4 116.2
97 59.3 42.4 63.6
132 24.1 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 70.772 ng

RT: 13.233 min Scan# 1710

Delta R.T. -0.006 min

Lab File: BM038487.D

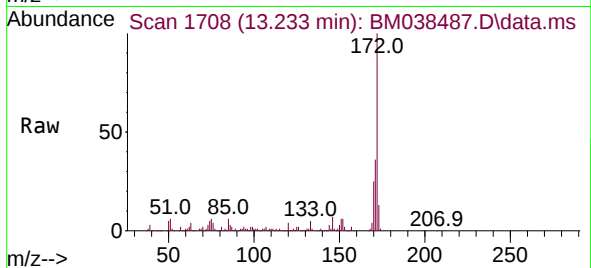
Acq: 19 Jan 2023 13:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2022

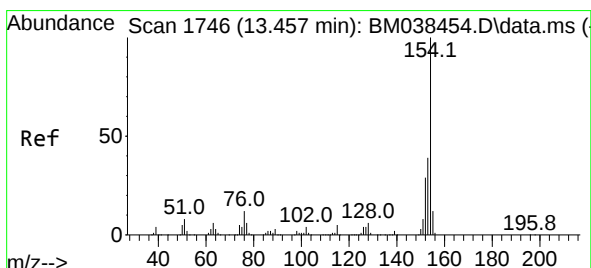
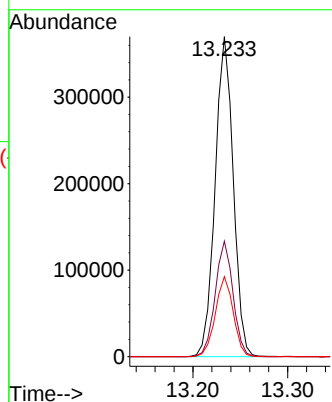
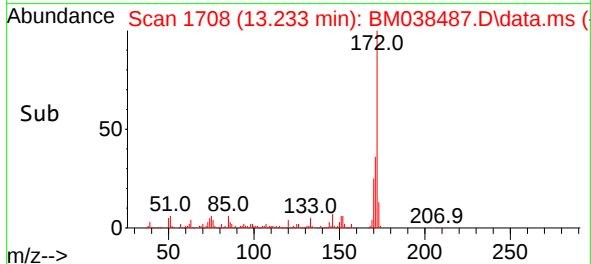


Tgt Ion:	172	Resp:	49195
Ion Ratio	Lower	Upper	
172	100		
171	36.1	27.5	41.3
170	25.0	19.0	28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#46

1,1'-Biphenyl

Concen: 7.194 ng

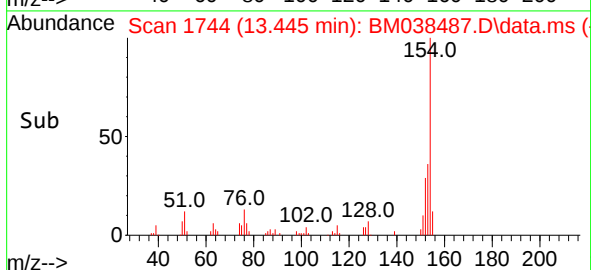
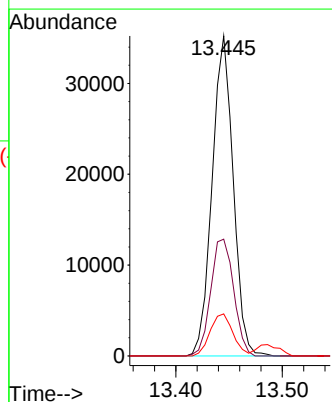
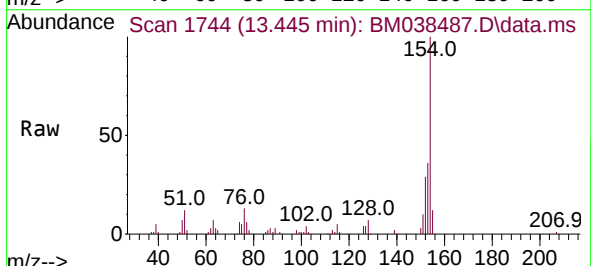
RT: 13.445 min Scan# 1744

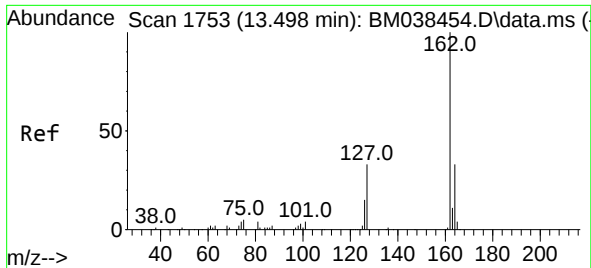
Delta R.T. 0.000 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

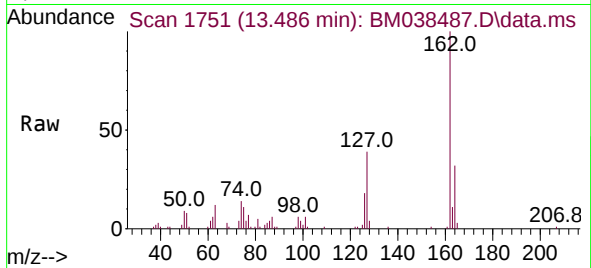
Tgt Ion:	154	Resp:	48386
Ion Ratio	Lower	Upper	
154	100		
153	36.5	19.3	59.3
76	13.1	0.0	32.2





#47
2-Chloronaphthalene
Concen: 7.323 ng
RT: 13.486 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

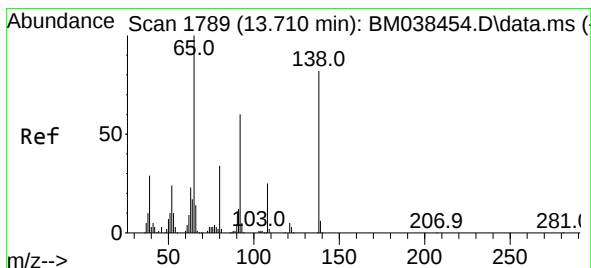
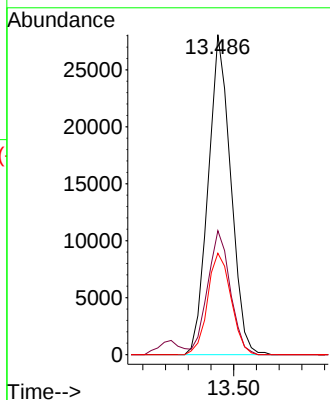
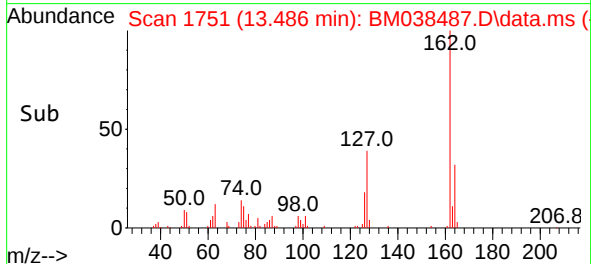
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT3-2022



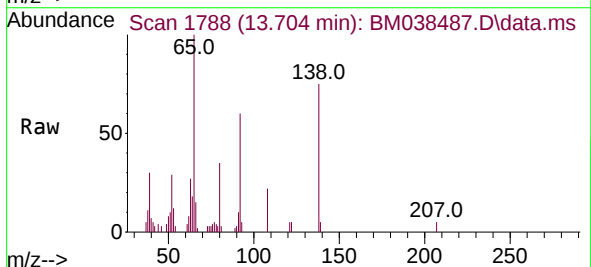
Tgt Ion:162 Resp: 38766
Ion Ratio Lower Upper
162 100
127 38.7 29.5 44.3
164 31.7 26.2 39.4

Manual Integrations
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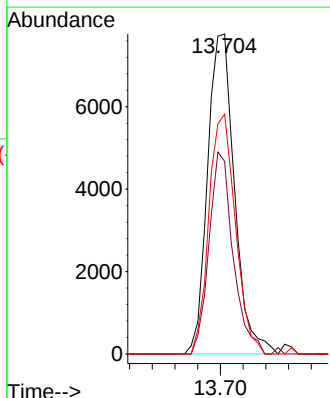
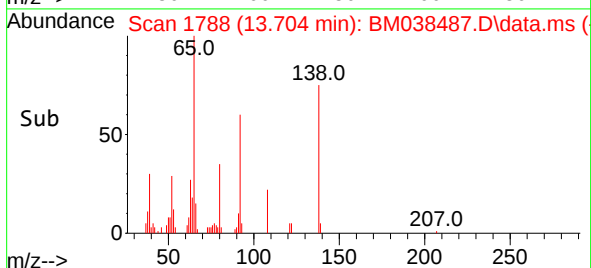
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

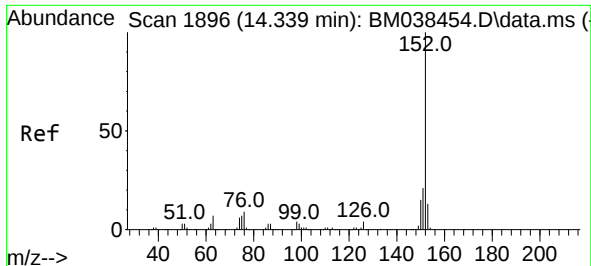


#48
2-Nitroaniline
Concen: 8.098 ng
RT: 13.704 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19



Tgt Ion: 65 Resp: 12786
Ion Ratio Lower Upper
65 100
92 60.2 47.6 71.4
138 74.9 65.8 98.8





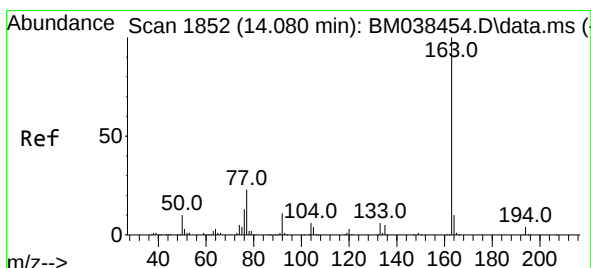
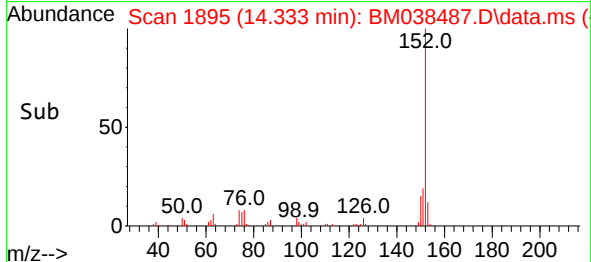
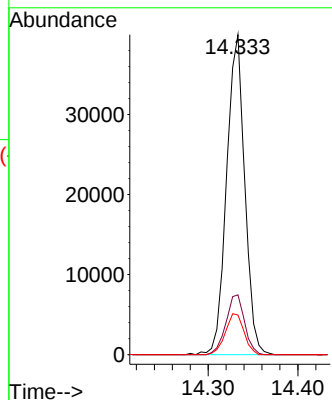
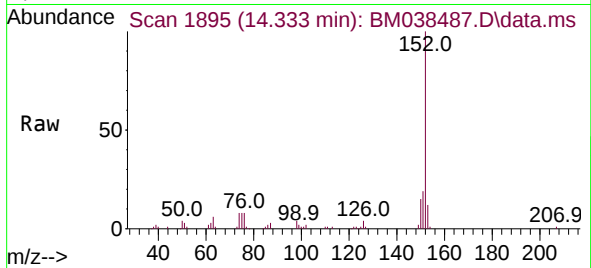
#49
Acenaphthylene
Concen: 6.767 ng
RT: 14.333 min Scan# 1895
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:152 Resp: 56475
Ion Ratio Lower Upper
152 100
151 18.7 16.4 24.6
153 12.4 10.6 15.8

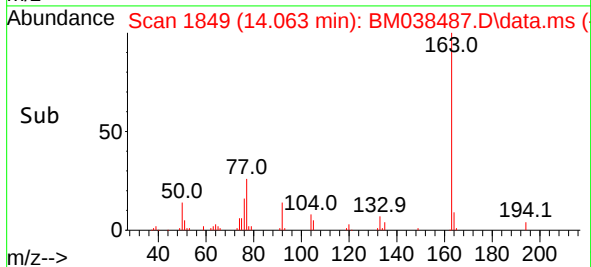
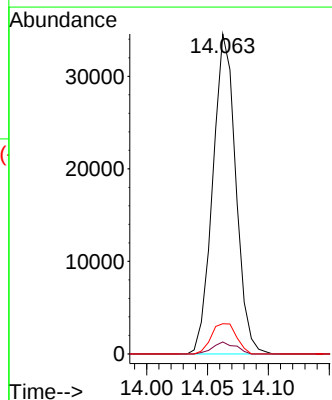
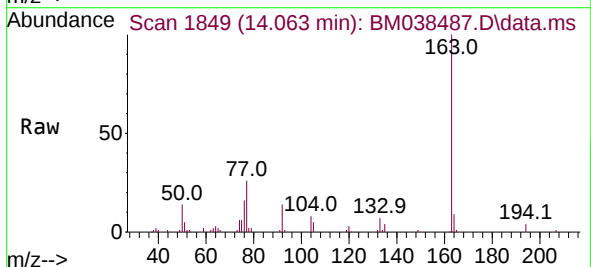
Manual Integrations
APPROVED

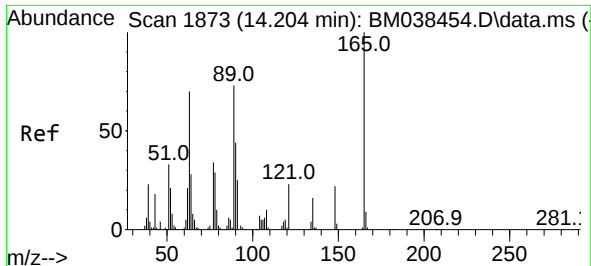
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#50
Dimethylphthalate
Concen: 6.478 ng
RT: 14.063 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

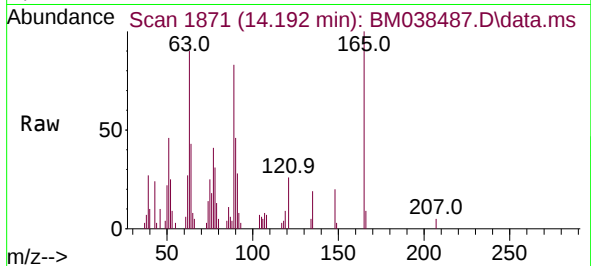
Tgt Ion:163 Resp: 45515
Ion Ratio Lower Upper
163 100
194 3.7 3.6 5.4
164 9.4 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 6.198 ng
RT: 14.192 min Scan# 1873
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

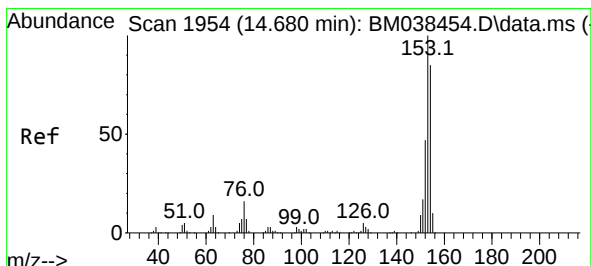
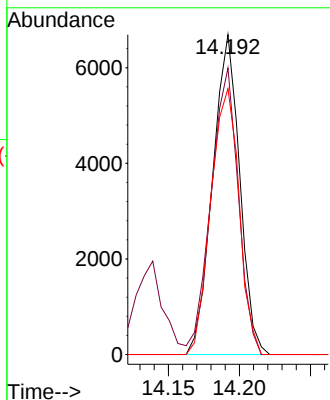
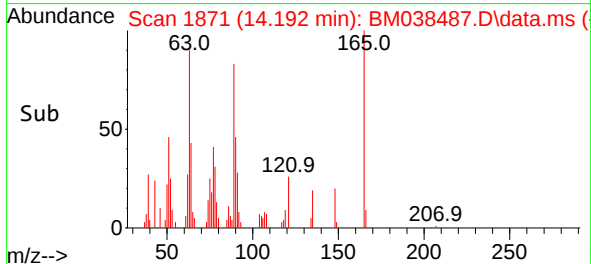
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:165 Resp: 8859
Ion Ratio Lower Upper
165 100
63 89.6 60.9 91.3
89 83.1 58.6 87.8

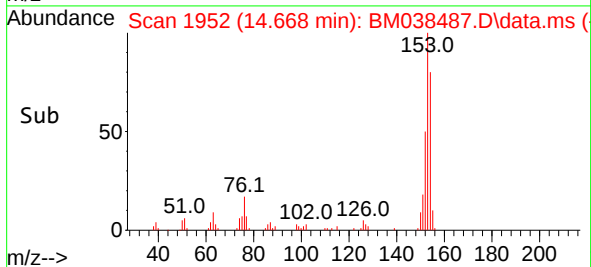
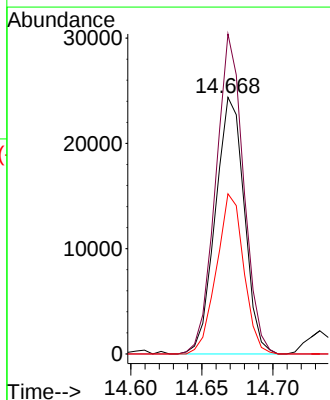
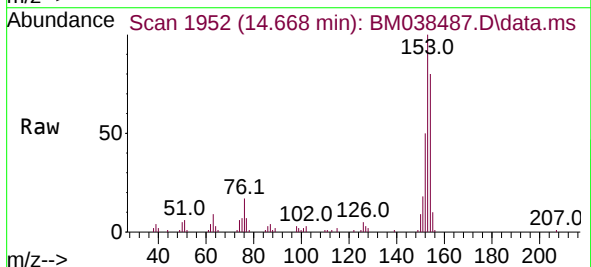
Manual Integrations
APPROVED

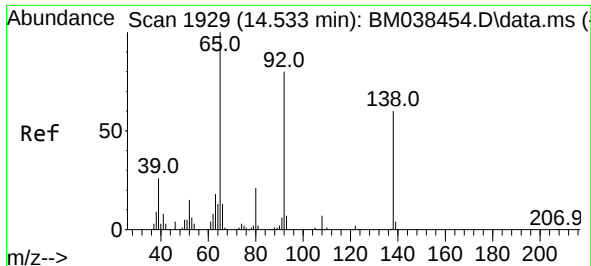
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#52
Acenaphthene
Concen: 6.809 ng
RT: 14.668 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

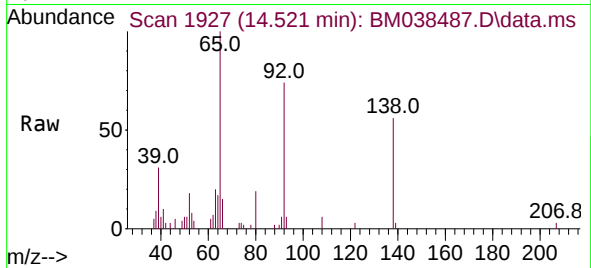
Tgt Ion:154 Resp: 34533
Ion Ratio Lower Upper
154 100
153 124.7 93.8 140.6
152 62.4 44.2 66.4





#53
3-Nitroaniline
Concen: 7.404 ng
RT: 14.521 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

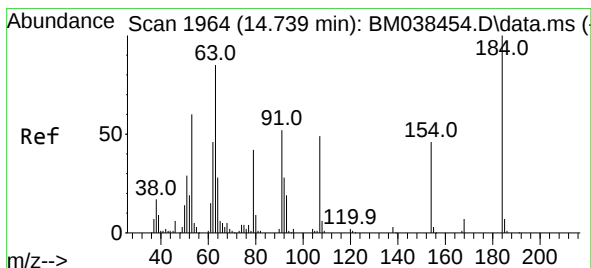
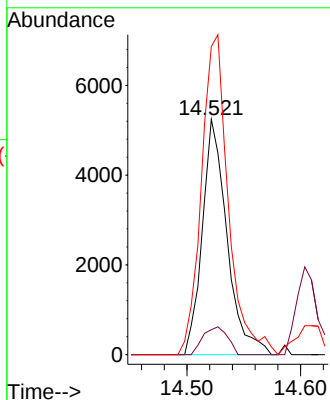
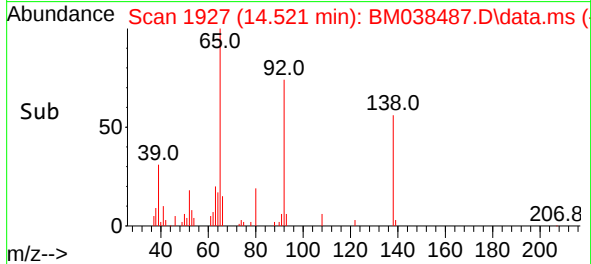
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:138 Resp: 7918
Ion Ratio Lower Upper
138 100
108 10.6 8.9 13.3
92 130.9 106.4 159.6

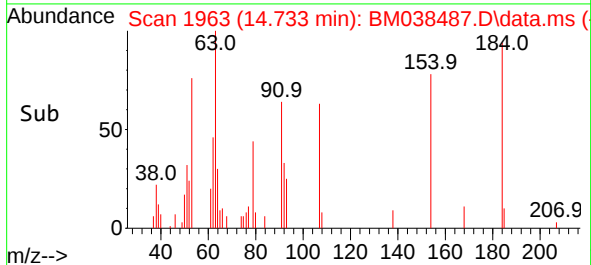
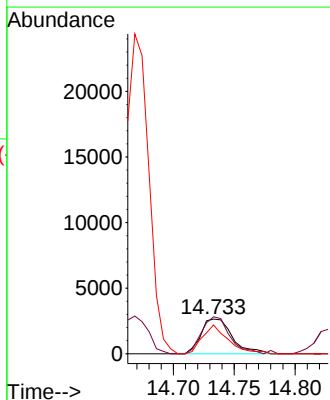
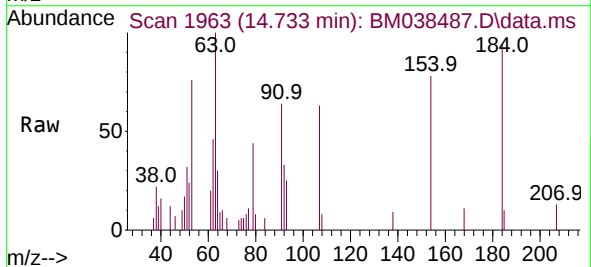
Manual Integrations
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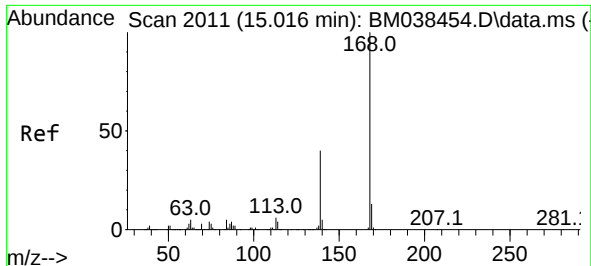
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#54
2,4-Dinitrophenol
Concen: 9.301 ng
RT: 14.733 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

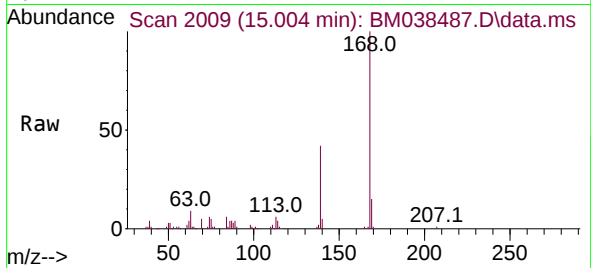
Tgt Ion:184 Resp: 4770
Ion Ratio Lower Upper
184 100
63 106.3 70.0 105.0#
154 82.6 55.6 83.4





#55
Dibenzofuran
Concen: 6.825 ng
RT: 15.004 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

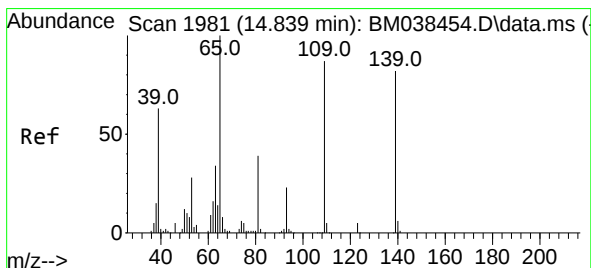
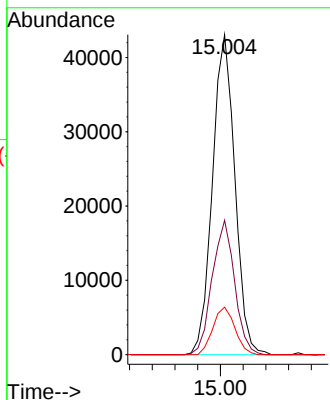
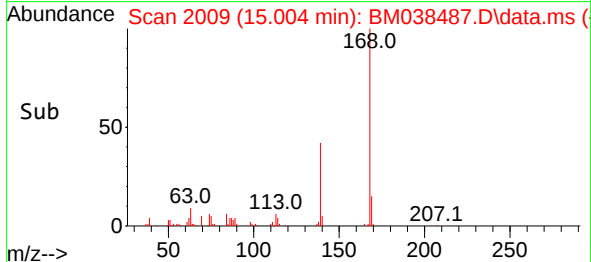
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:168 Resp: 5893
Ion Ratio Lower Upper
168 100
139 42.0 31.9 47.9
169 14.8 10.5 15.7

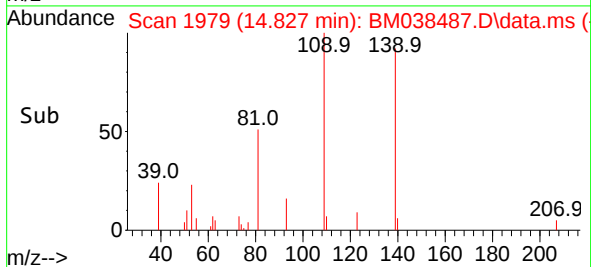
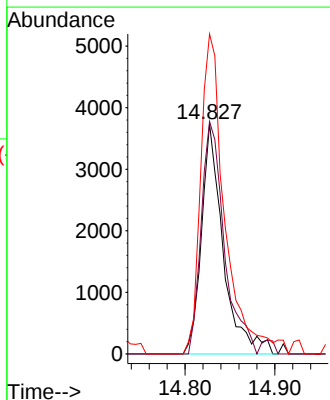
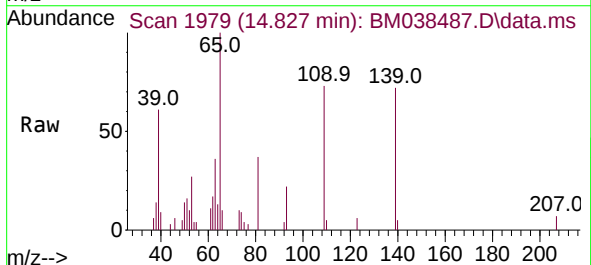
Manual Integrations
APPROVED

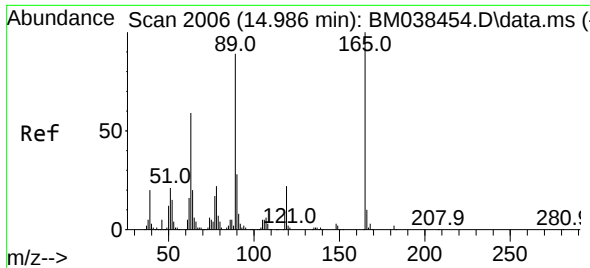
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#56
4-Nitrophenol
Concen: 8.499 ng
RT: 14.827 min Scan# 1979
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

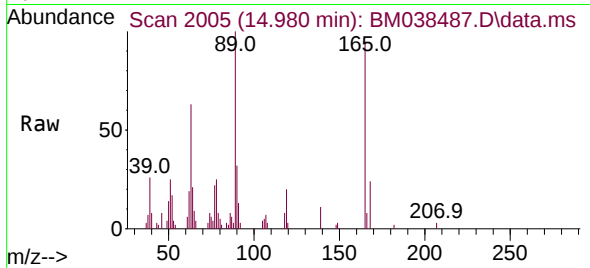
Tgt Ion:139 Resp: 6272
Ion Ratio Lower Upper
139 100
109 101.0 86.0 126.0
65 139.1 102.7 142.7





#57
2,4-Dinitrotoluene
Concen: 5.752 ng
RT: 14.980 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

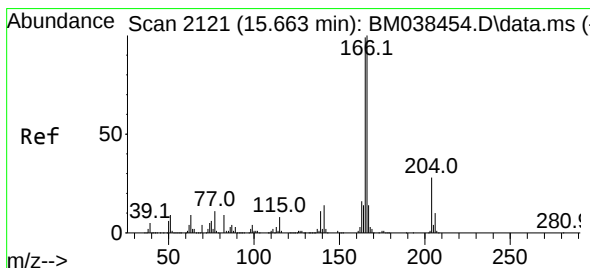
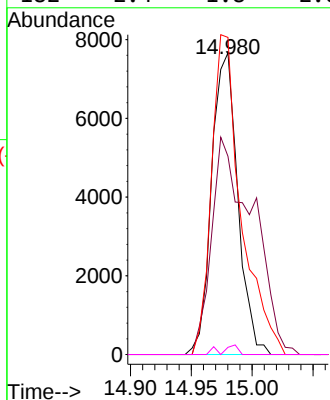
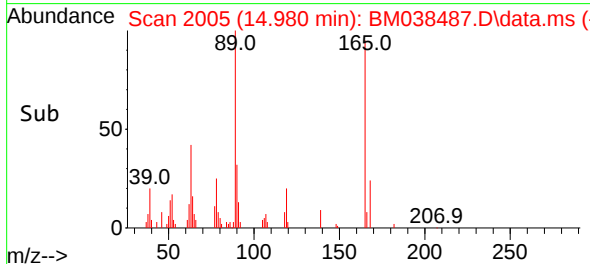
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:165 Resp: 11429
Ion Ratio Lower Upper
165 100
63 65.7 47.7 71.5
89 105.1 71.5 107.3
182 2.4 1.8 2.6

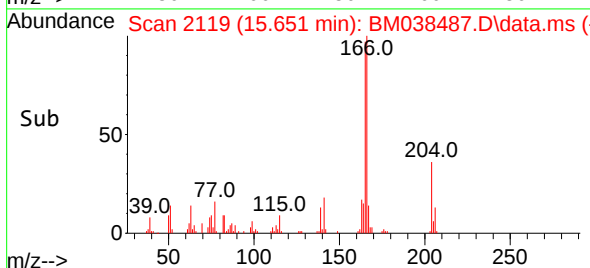
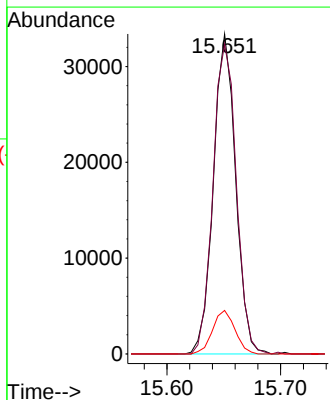
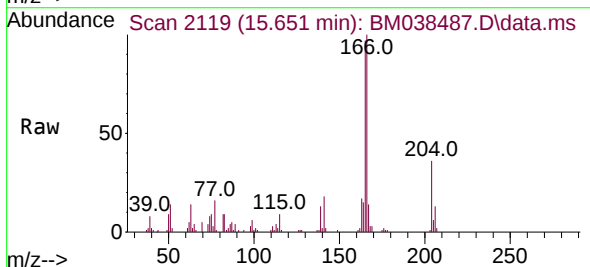
Manual Integrations
APPROVED

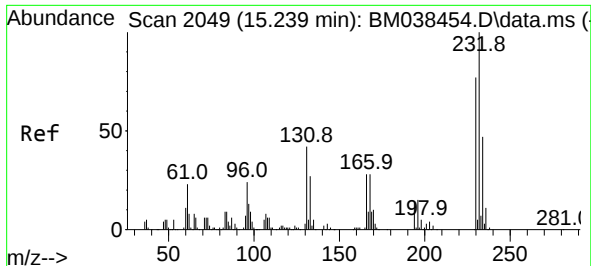
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#58
Fluorene
Concen: 6.297 ng
RT: 15.651 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

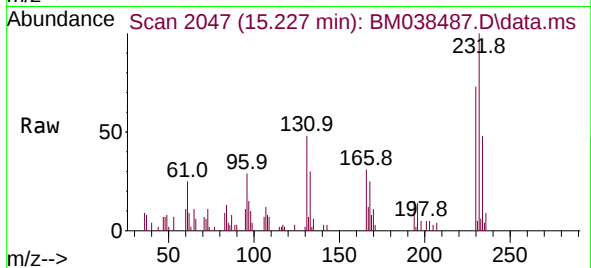
Tgt Ion:166 Resp: 45431
Ion Ratio Lower Upper
166 100
165 96.8 79.2 118.8
167 13.6 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 5.871 ng
RT: 15.227 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

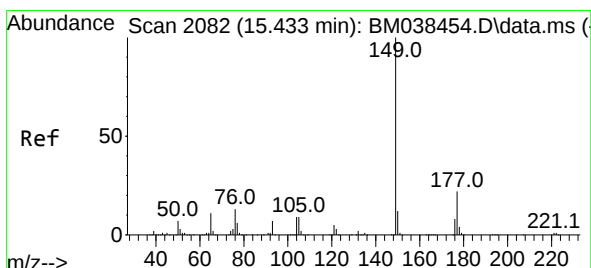
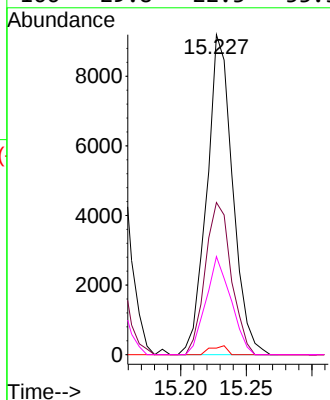
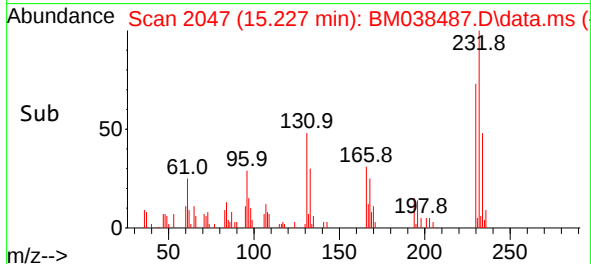
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



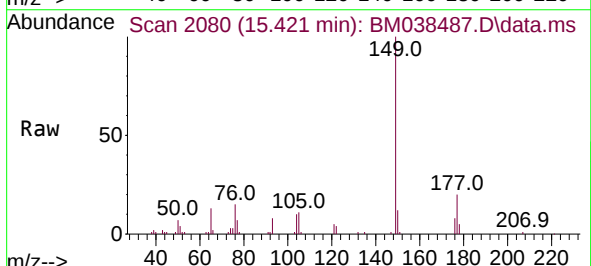
Tgt Ion:232 Resp: 1258
Ion Ratio Lower Upper
232 100
131 48.0 33.8 50.6
130 1.8 1.9 2.9
166 29.8 22.3 33.5

Manual Integrations
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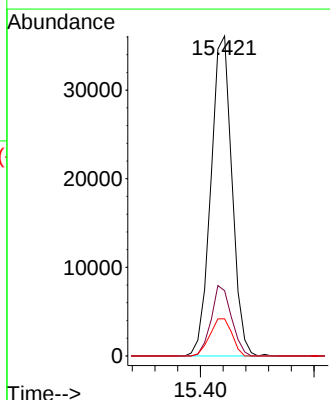
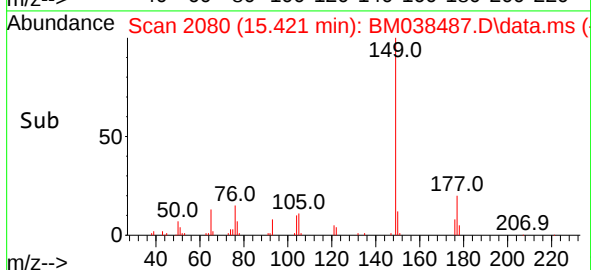
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

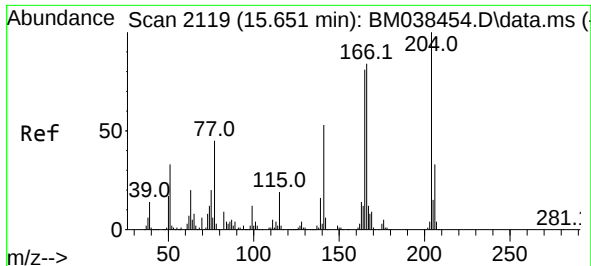


#60
Diethylphthalate
Concen: 6.448 ng
RT: 15.421 min Scan# 2080
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19



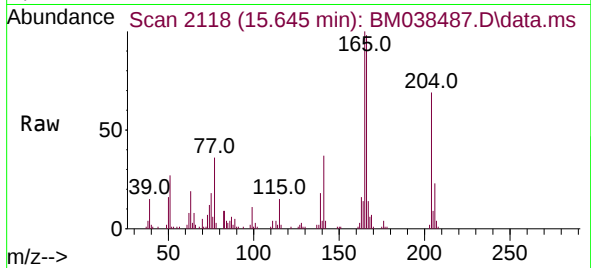
Tgt Ion:149 Resp: 46470
Ion Ratio Lower Upper
149 100
177 20.4 17.8 26.6
150 11.6 9.5 14.3





#61
4-Chlorophenyl-phenylether
Concen: 6.282 ng
RT: 15.645 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

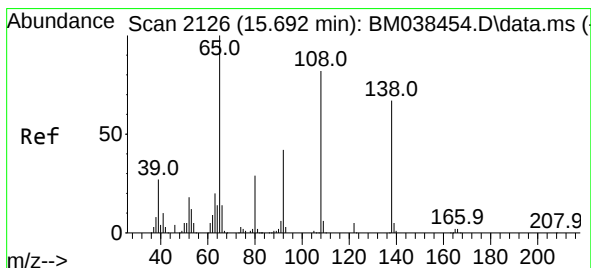
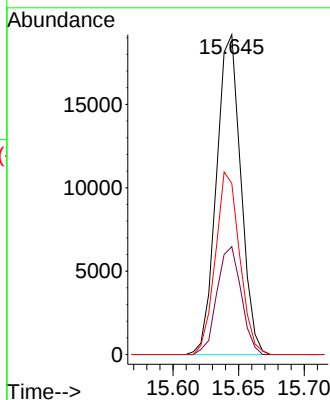
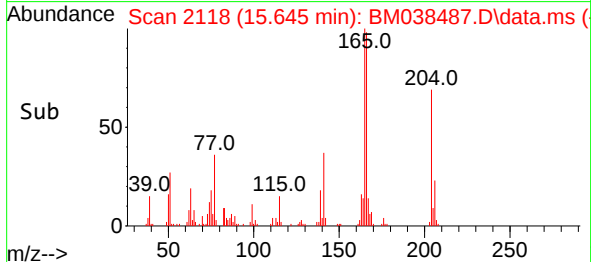
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:204 Resp: 24878
Ion Ratio Lower Upper
204 100
206 33.7 26.2 39.4
141 53.5 42.5 63.7

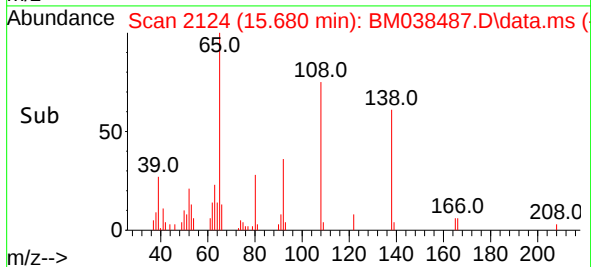
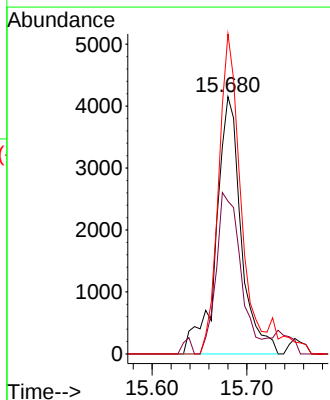
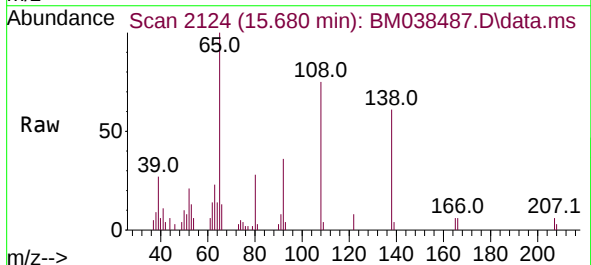
Manual Integrations
APPROVED

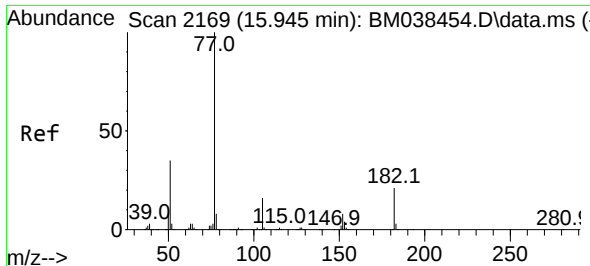
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#62
4-Nitroaniline
Concen: 7.168 ng
RT: 15.680 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

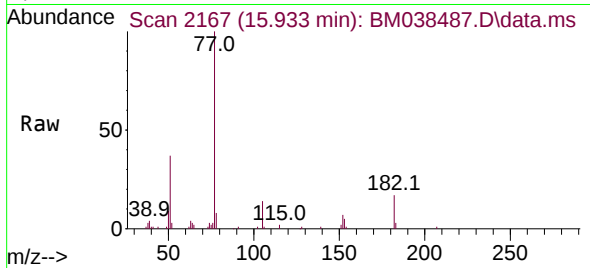
Tgt Ion:138 Resp: 7541
Ion Ratio Lower Upper
138 100
92 59.4 42.1 82.1
108 124.5 102.5 142.5





#63
Azobenzene
Concen: 7.233 ng
RT: 15.933 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

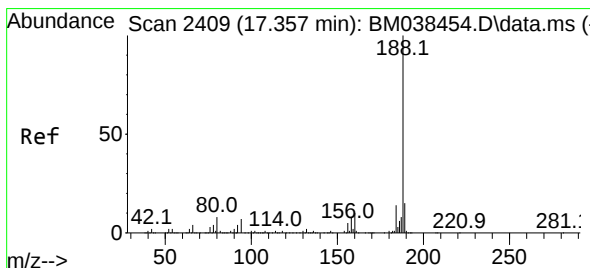
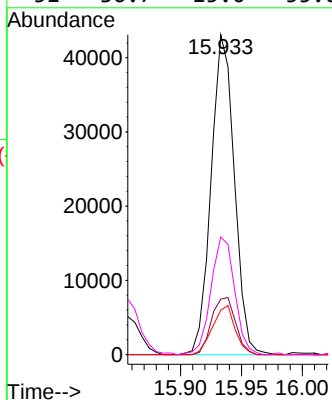
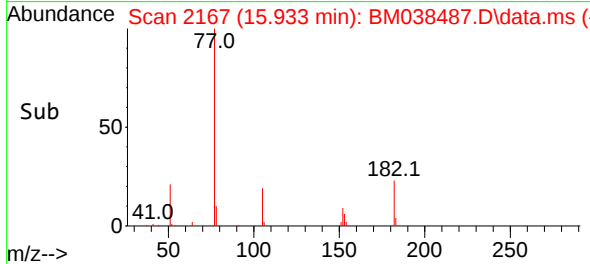
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 77 Resp: 57359
Ion Ratio Lower Upper
77 100
182 17.3 1.1 41.1
105 13.9 0.0 36.4
51 36.7 15.0 55.0

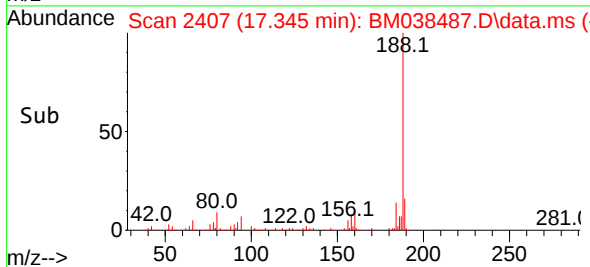
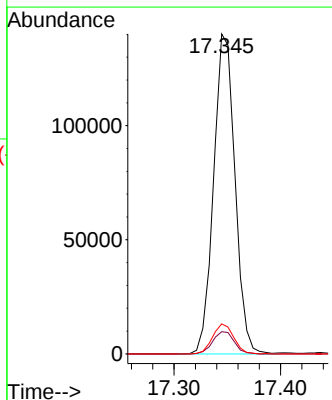
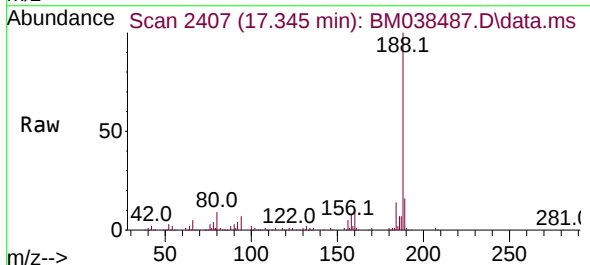
Manual Integrations
APPROVED

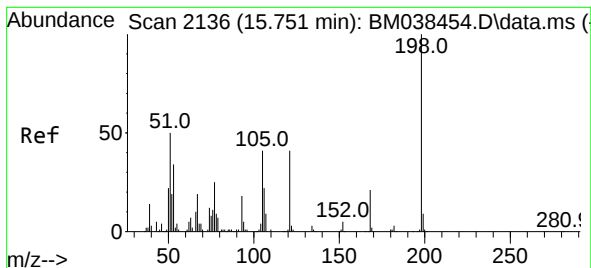
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

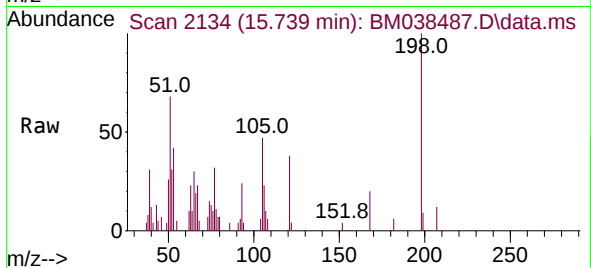
Tgt Ion:188 Resp: 195712
Ion Ratio Lower Upper
188 100
94 6.9 5.4 8.0
80 9.4 6.5 9.7





#65
4,6-Dinitro-2-methylphenol
Concen: 5.347 ng
RT: 15.739 min Scan# 2136
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

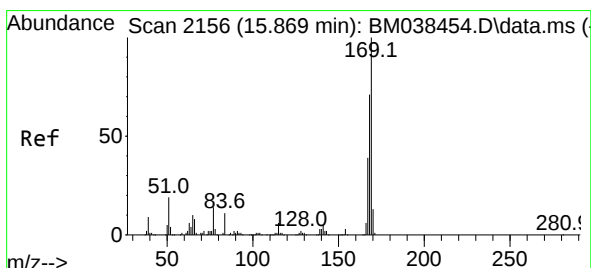
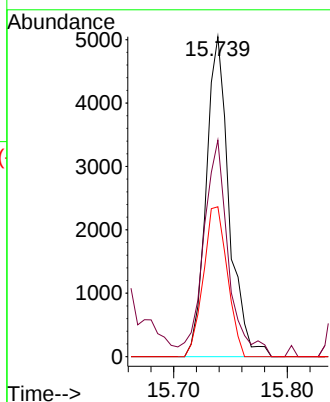
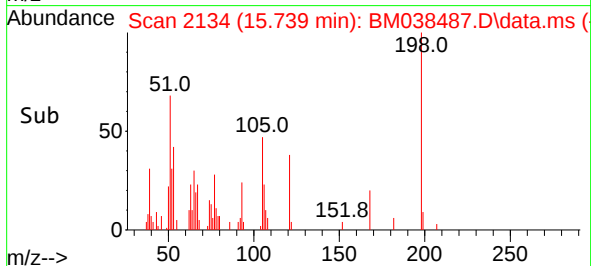
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



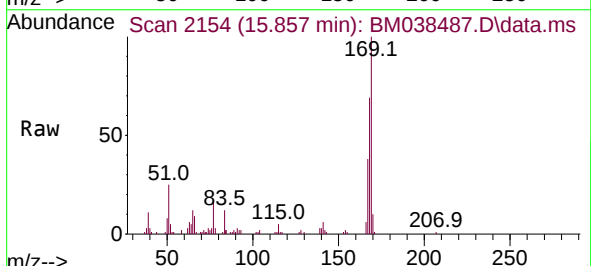
Tgt Ion:198 Resp: 7101
Ion Ratio Lower Upper
198 100
51 67.7 31.6 71.6
105 46.9 21.5 61.5

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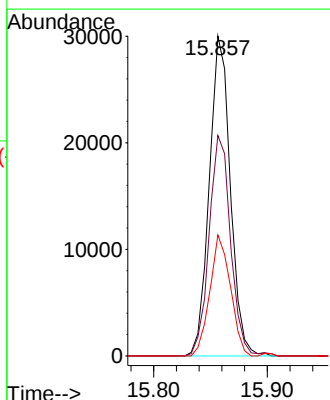
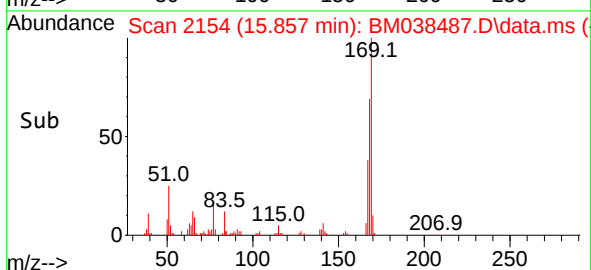
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

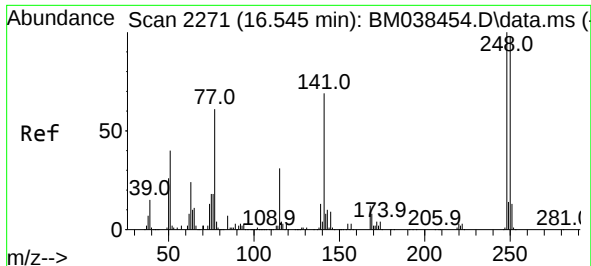


#66
n-Nitrosodiphenylamine
Concen: 6.726 ng
RT: 15.857 min Scan# 2154
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19



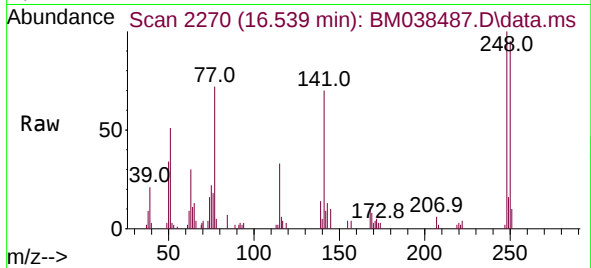
Tgt Ion:169 Resp: 38623
Ion Ratio Lower Upper
169 100
168 68.9 56.6 85.0
167 37.8 31.1 46.7





#67
4-Bromophenyl-phenylether
Concen: 6.448 ng
RT: 16.539 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

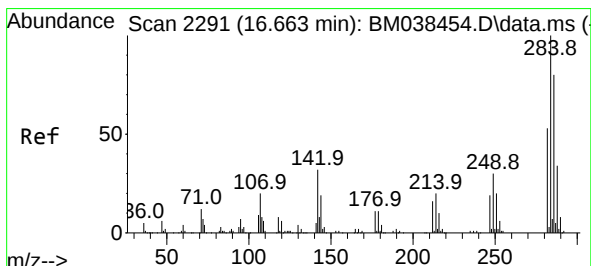
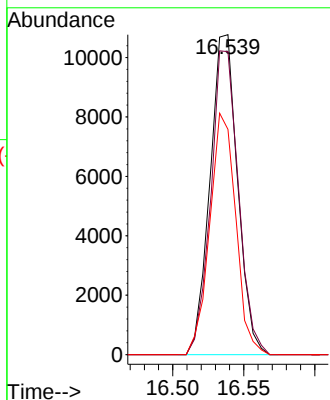
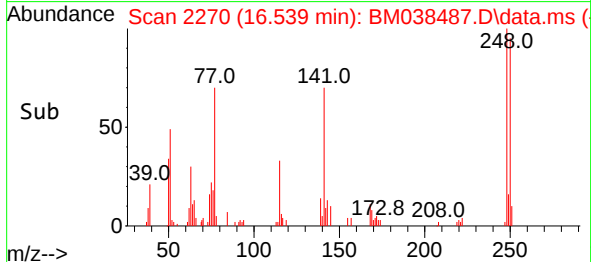
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



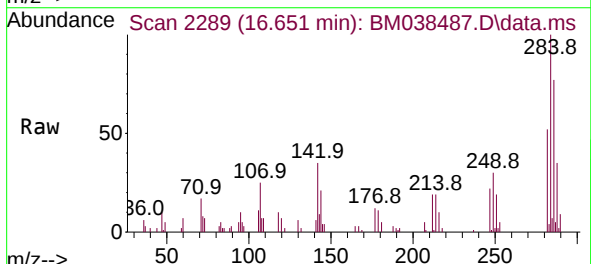
Tgt Ion:248 Resp: 1459
Ion Ratio Lower Upper
248 100
250 94.7 78.3 117.5
141 70.4 55.1 82.7

Manual Integrations
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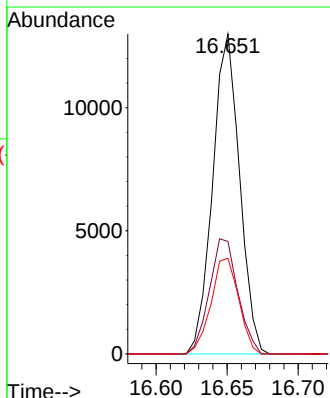
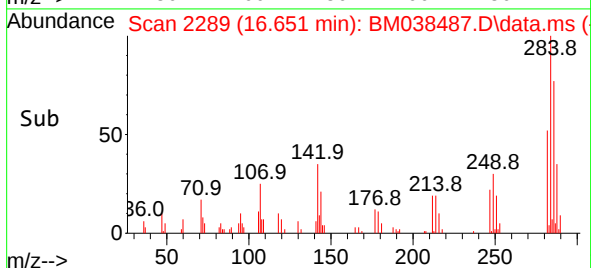
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

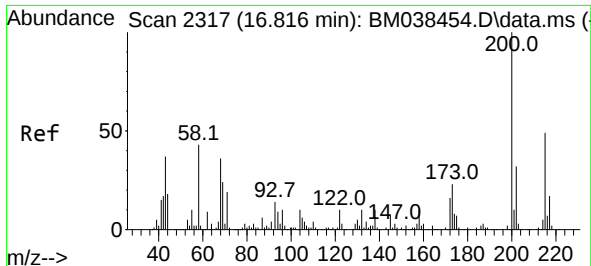


#68
Hexachlorobenzene
Concen: 6.757 ng
RT: 16.651 min Scan# 2289
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19



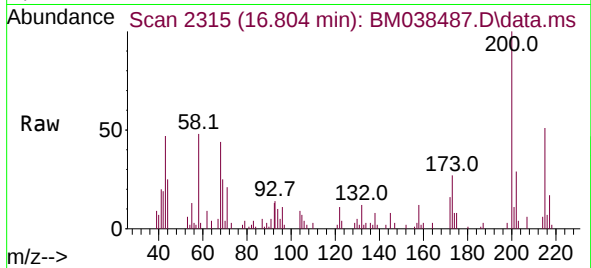
Tgt Ion:284 Resp: 17129
Ion Ratio Lower Upper
284 100
142 35.1 26.0 39.0
249 29.9 23.8 35.8





#69
 Atrazine
 Concen: 6.863 ng
 RT: 16.804 min Scan# 2315
 Delta R.T. -0.006 min
 Lab File: BM038487.D
 Acq: 19 Jan 2023 13:19

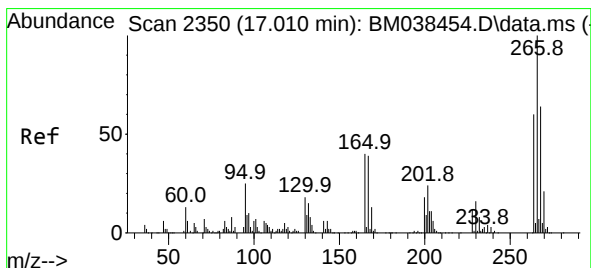
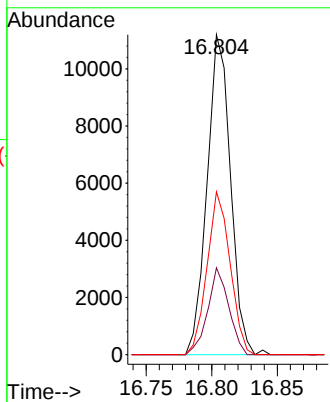
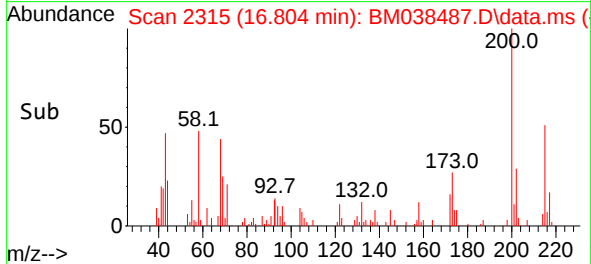
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2022



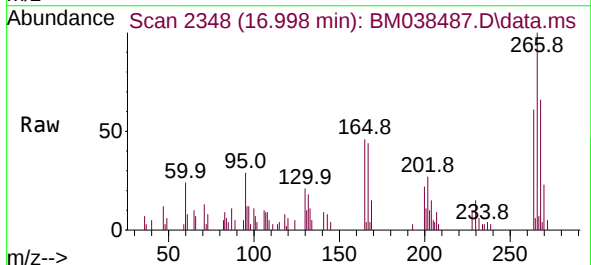
Tgt Ion:200 Resp: 13936
 Ion Ratio Lower Upper
 200 100
 173 27.1 3.4 43.4
 215 50.9 29.3 69.3

Manual Integrations
 APPROVED

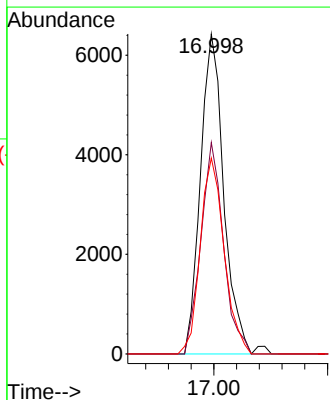
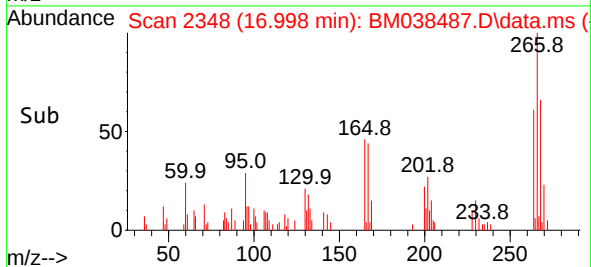
Reviewed By :Christian Giraldo 01/20/2023
 Supervised By :Jagrut Upadhyay 01/20/2023

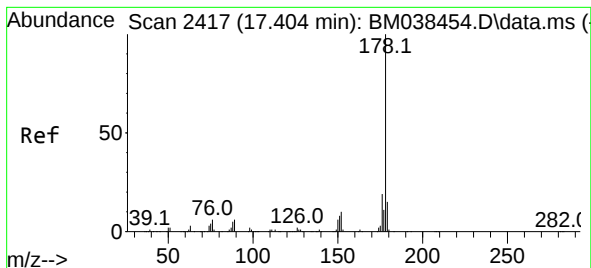


#70
 Pentachlorophenol
 Concen: 4.986 ng
 RT: 16.998 min Scan# 2348
 Delta R.T. 0.000 min
 Lab File: BM038487.D
 Acq: 19 Jan 2023 13:19



Tgt Ion:266 Resp: 9227
 Ion Ratio Lower Upper
 266 100
 268 70.5 51.4 77.0
 264 66.8 48.2 72.2





#71

Phenanthrene

Concen: 6.854 ng

RT: 17.392 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

Instrument :

BNA_M

ClientSampleId :

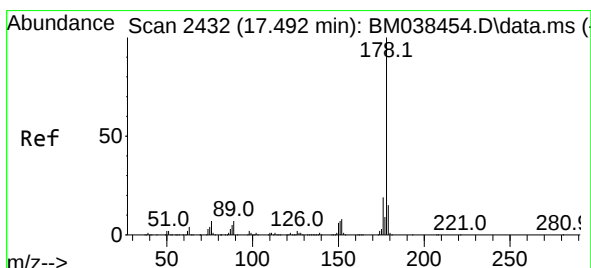
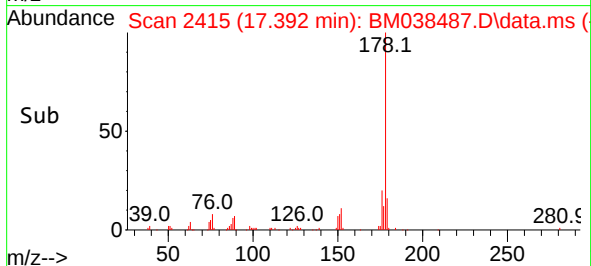
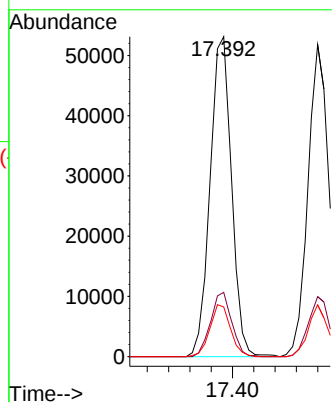
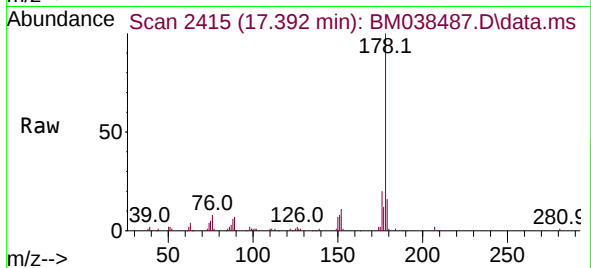
MDL-SOIL-03-QT3-2022

Tgt Ion:178 Resp: 74214
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.4 23.0
 179 15.5 12.1 18.1

Manual Integrations

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Reviewed By :Christian Giraldo 01/20/2023
 Supervised By :Jagrut Upadhyay 01/20/2023



#72

Anthracene

Concen: 6.537 ng

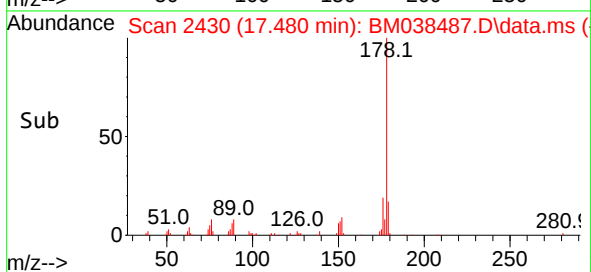
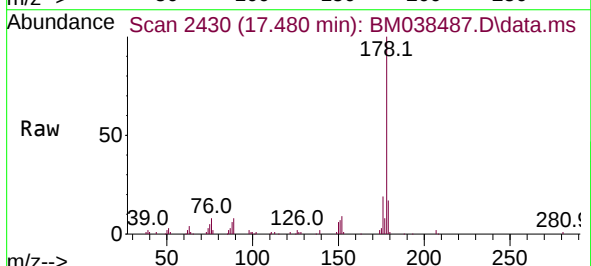
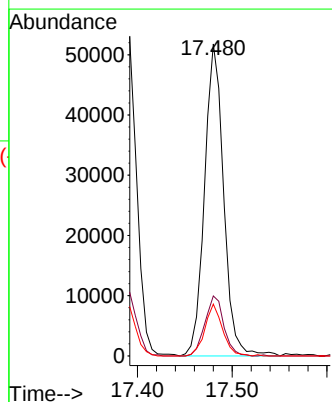
RT: 17.480 min Scan# 2430

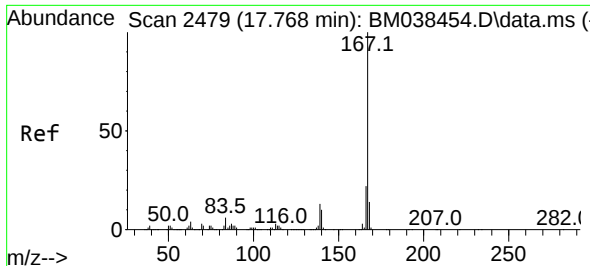
Delta R.T. -0.006 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

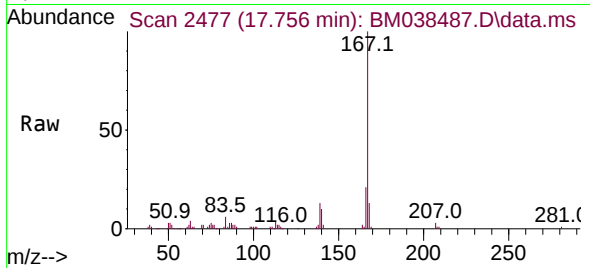
Tgt Ion:178 Resp: 72740
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.0 22.6
 179 16.6 12.2 18.2





#73
Carbazole
Concen: 6.686 ng
RT: 17.756 min Scan# 2479
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

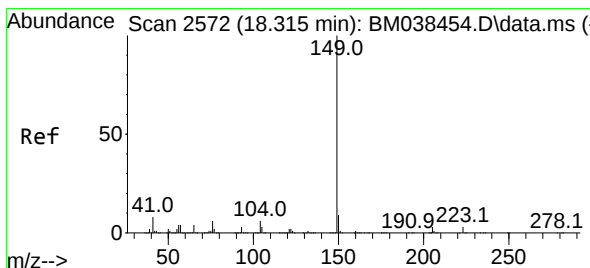
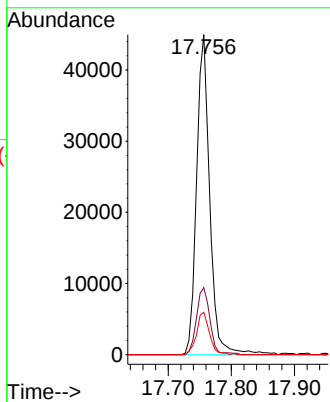
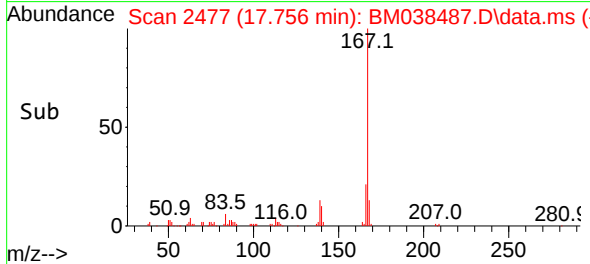
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



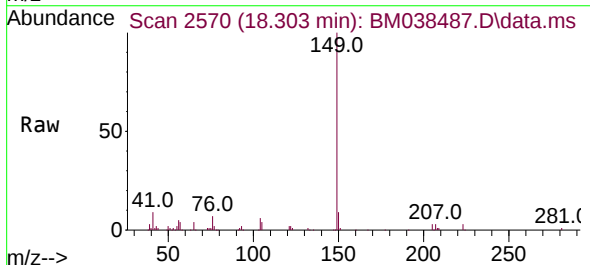
Tgt Ion:167 Resp: 65062
Ion Ratio Lower Upper
167 100
166 20.9 17.4 26.0
139 13.2 10.1 15.1

Manual Integrations
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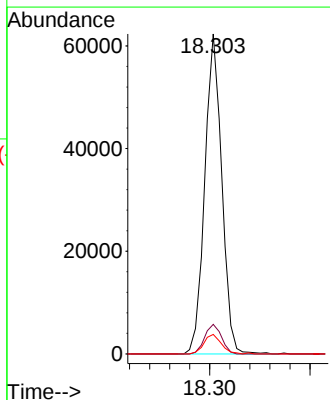
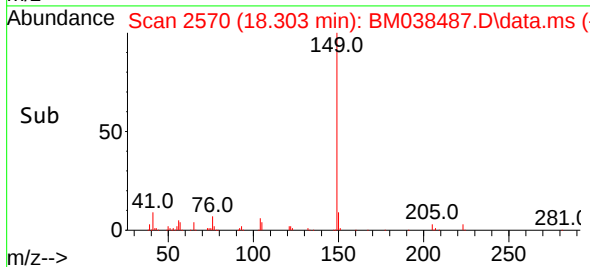
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

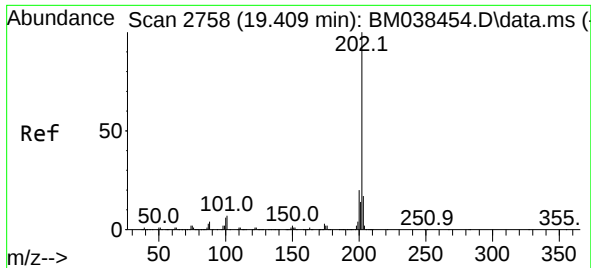


#74
Di-n-butylphthalate
Concen: 6.336 ng
RT: 18.303 min Scan# 2570
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19



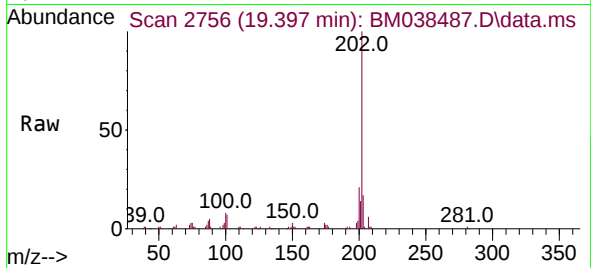
Tgt Ion:149 Resp: 73226
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 6.1 4.7 7.1





#75
Fluoranthene
Concen: 6.299 ng
RT: 19.397 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

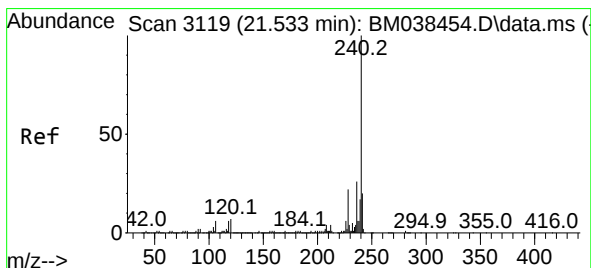
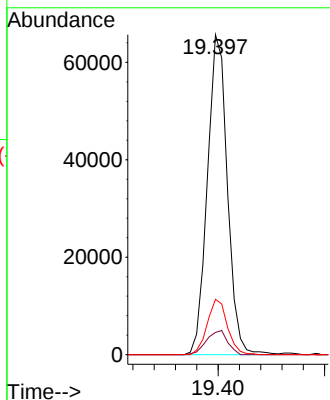
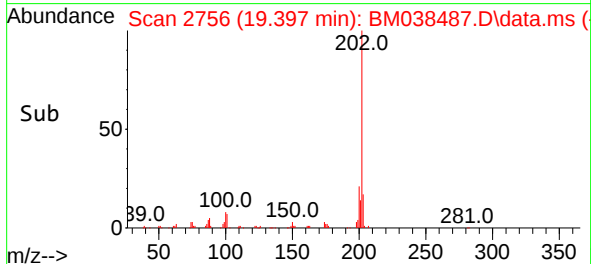
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:202 Resp: 85743
Ion Ratio Lower Upper
202 100
101 7.0 0.0 27.4
203 17.3 0.0 37.1

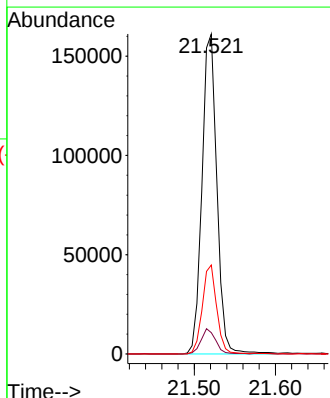
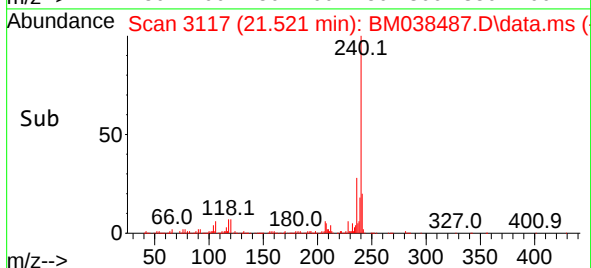
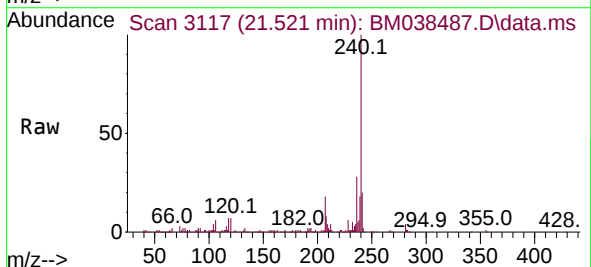
Manual Integrations
APPROVED

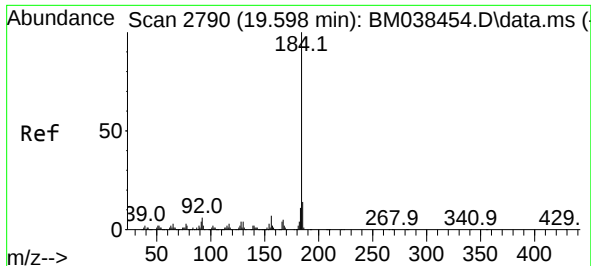
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

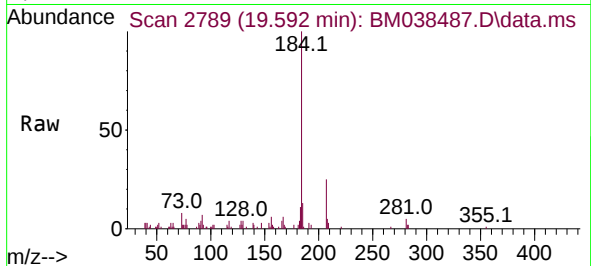
Tgt Ion:240 Resp: 205865
Ion Ratio Lower Upper
240 100
120 6.6 5.6 8.4
236 27.8 21.0 31.4





#77
Benzidine
Concen: 7.223 ng
RT: 19.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

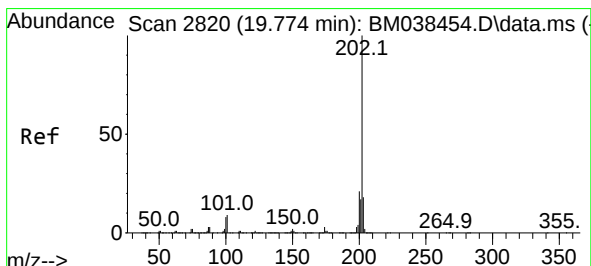
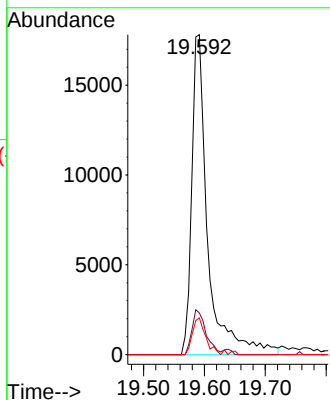
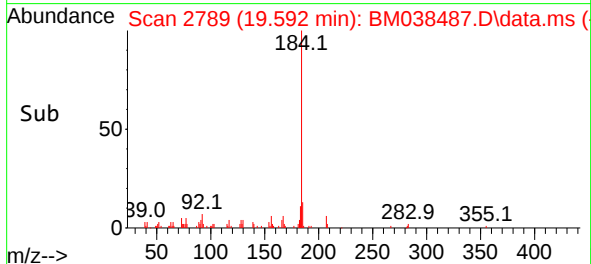
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:184 Resp: 32583
Ion Ratio Lower Upper
184 100
185 13.0 11.1 16.7
183 11.5 8.6 13.0

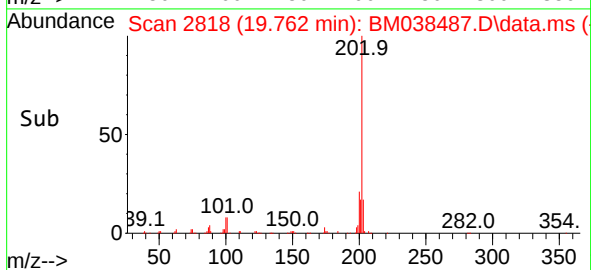
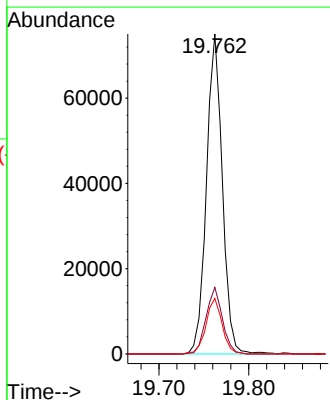
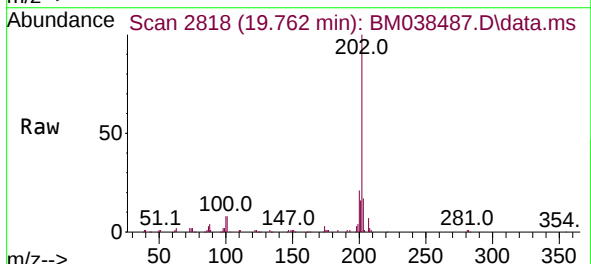
Manual Integrations
APPROVED

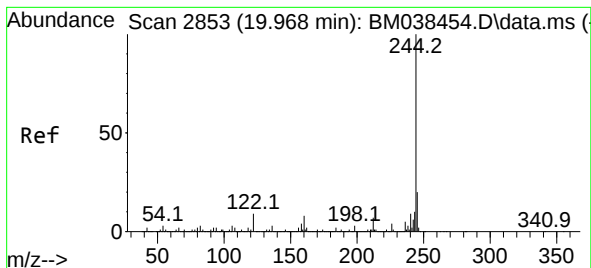
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#78
Pyrene
Concen: 6.764 ng
RT: 19.762 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

Tgt Ion:202 Resp: 92664
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 76.696 ng

RT: 19.962 min Scan# 2852

Delta R.T. 0.000 min

Lab File: BM038487.D

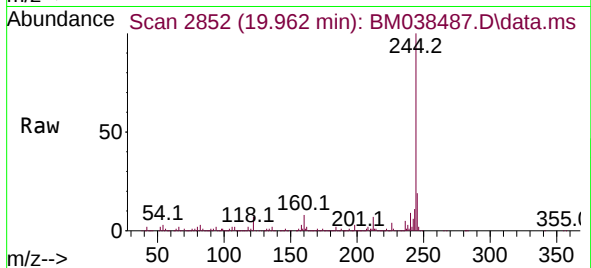
Acq: 19 Jan 2023 13:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion:244 Resp: 843422

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

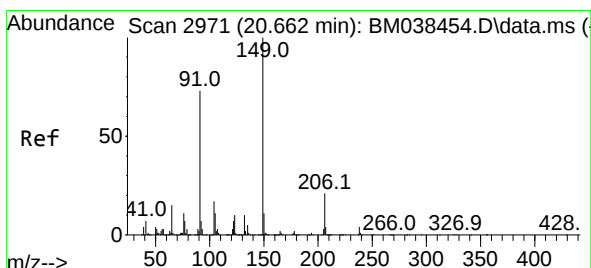
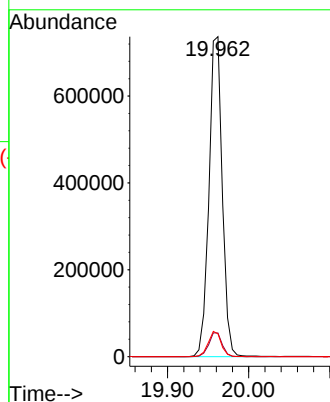
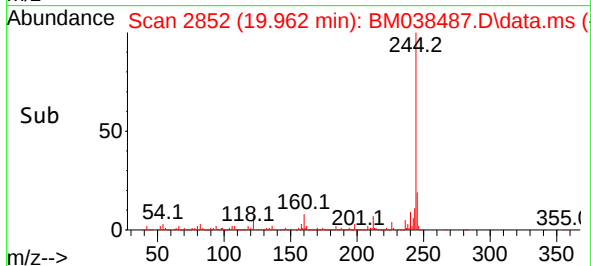
122 7.1 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023

Supervised By :Jagrut Upadhyay 01/20/2023



#80

Butylbenzylphthalate

Concen: 6.469 ng

RT: 20.650 min Scan# 2969

Delta R.T. -0.006 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

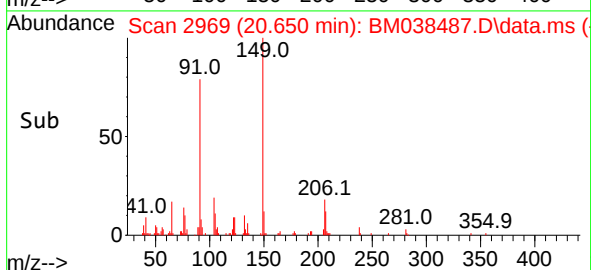
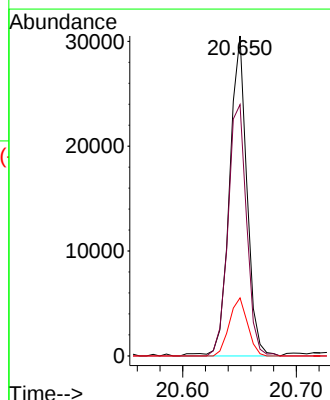
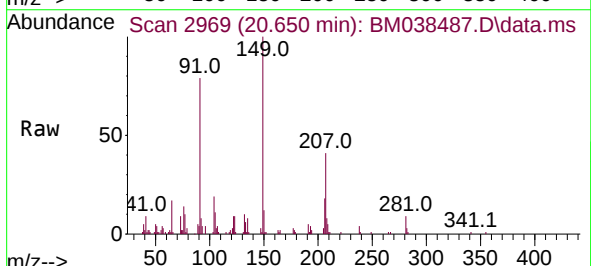
Tgt Ion:149 Resp: 32393

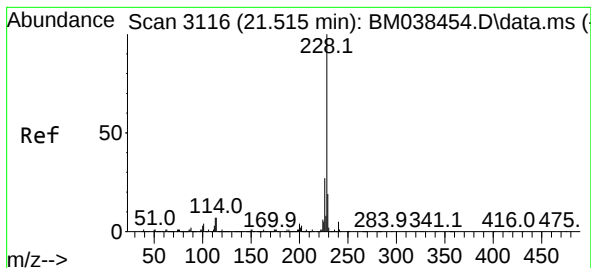
Ion Ratio Lower Upper

149 100

91 78.5 58.3 87.5

206 18.1 16.7 25.1





#81

Benzo(a)anthracene

Concen: 6.934 ng

RT: 21.503 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

Instrument :

BNA_M

ClientSampleId :

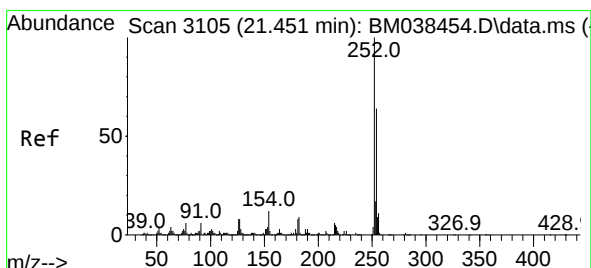
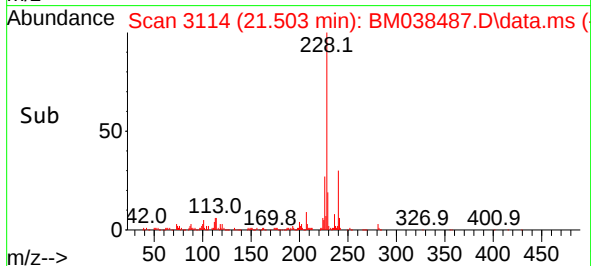
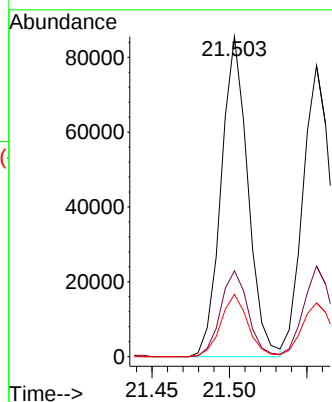
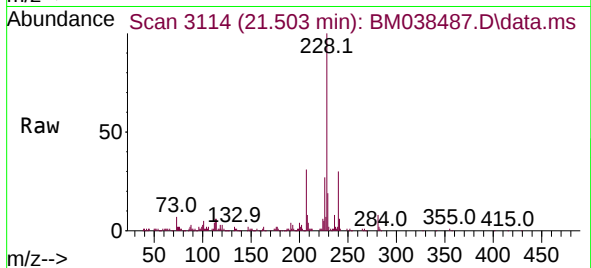
MDL-SOIL-03-QT3-2022

Tgt Ion:228 Resp: 102662
 Ion Ratio Lower Upper
 228 100
 226 26.8 22.0 33.0
 229 19.4 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023
 Supervised By :Jagrut Upadhyay 01/20/2023



#82

3,3'-Dichlorobenzidine

Concen: 7.117 ng

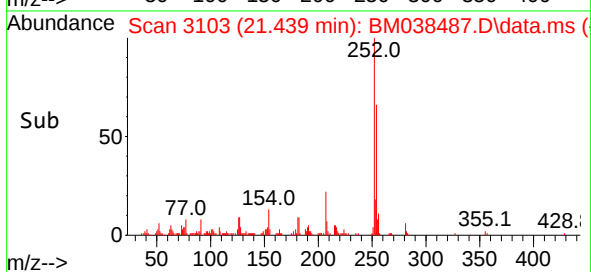
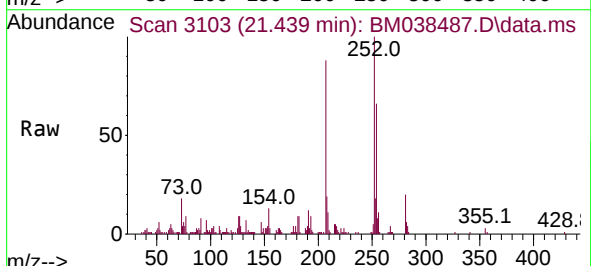
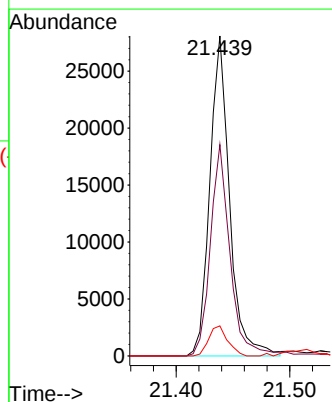
RT: 21.439 min Scan# 3103

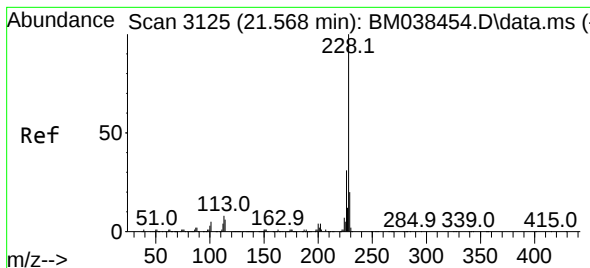
Delta R.T. -0.006 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

Tgt Ion:252 Resp: 33933
 Ion Ratio Lower Upper
 252 100
 254 66.0 51.2 76.8
 126 9.4 6.3 9.5





#83

Chrysene

Concen: 6.882 ng

RT: 21.556 min Scan# 3123

Delta R.T. -0.006 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2022

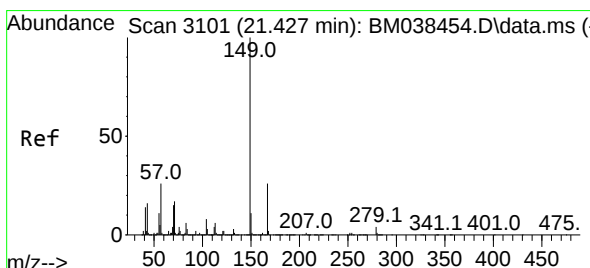
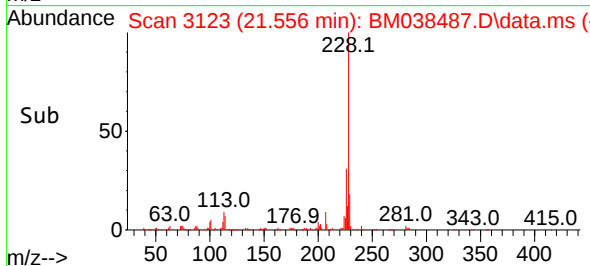
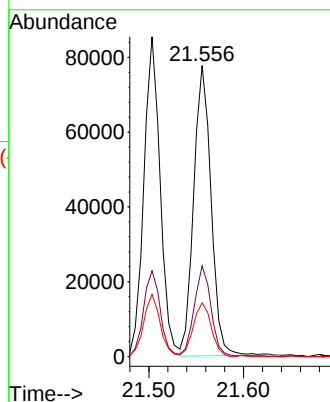
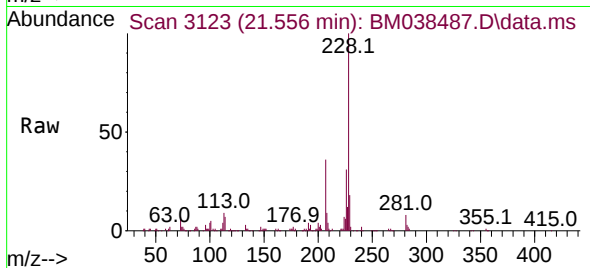
Tgt Ion:	228	Resp:	9902
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.6	36.8
229	18.5	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023

Supervised By :Jagrut Upadhyay 01/20/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.048 ng

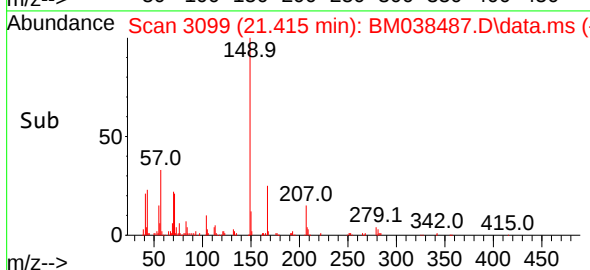
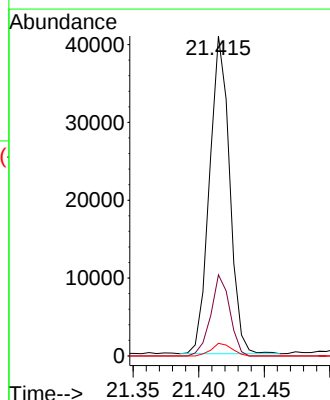
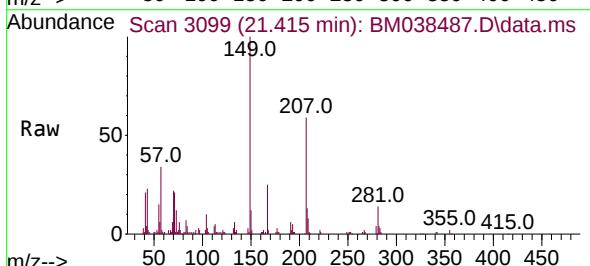
RT: 21.415 min Scan# 3099

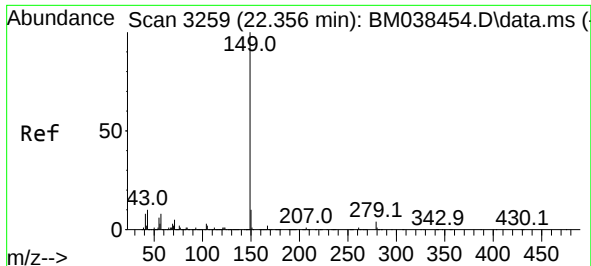
Delta R.T. -0.006 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

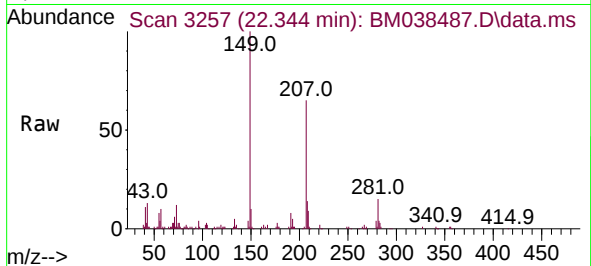
Tgt Ion:	149	Resp:	43536
Ion Ratio	Lower	Upper	
149	100		
167	25.3	21.0	31.4
279	4.0	3.4	5.0





#85
Di-n-octyl phthalate
Concen: 6.273 ng
RT: 22.344 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

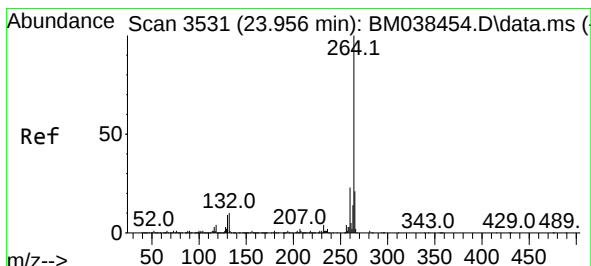
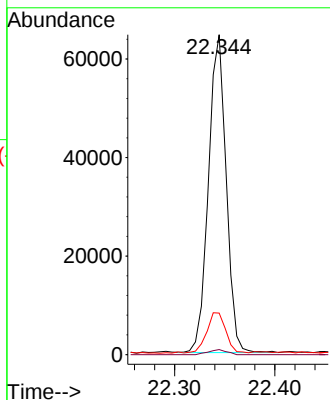
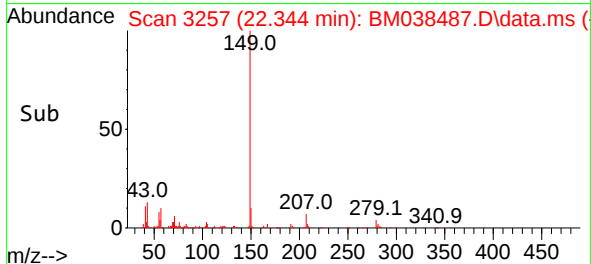
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



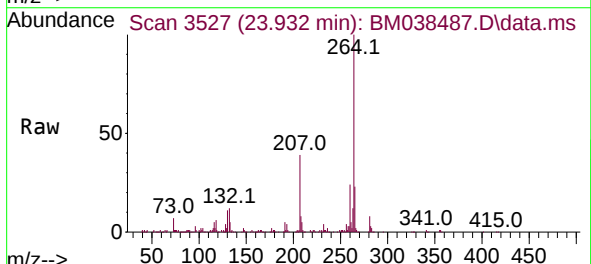
Tgt Ion:149 Resp: 79452
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 14.0 8.4 12.6

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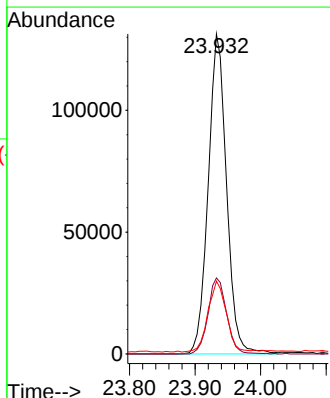
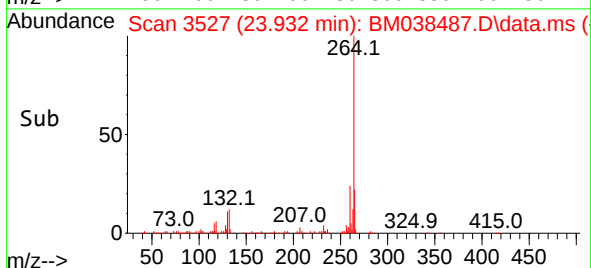
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

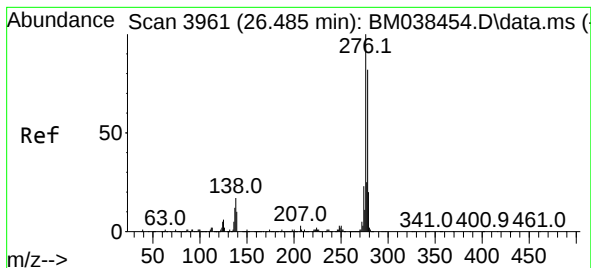


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.932 min Scan# 3527
Delta R.T. -0.006 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19



Tgt Ion:264 Resp: 255473
Ion Ratio Lower Upper
264 100
260 23.7 18.2 27.4
265 22.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.915 ng

RT: 26.444 min Scan# 3954

Delta R.T. -0.024 min

Lab File: BM038487.D

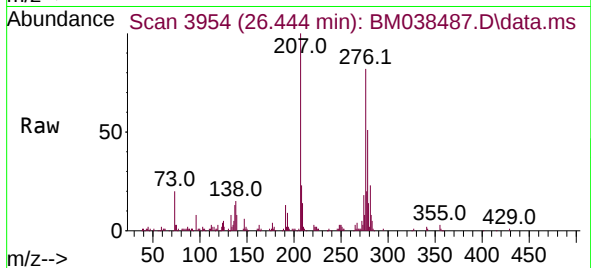
Acq: 19 Jan 2023 13:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion: 276 Resp: 130738

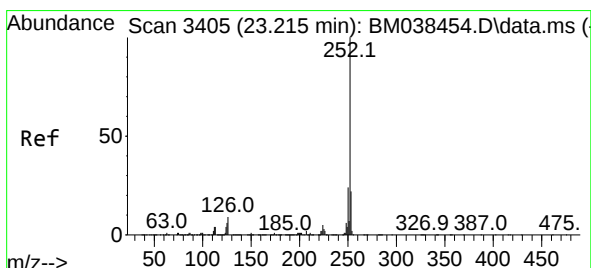
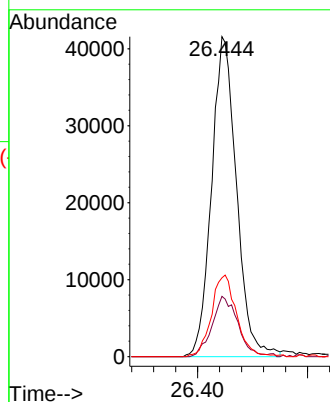
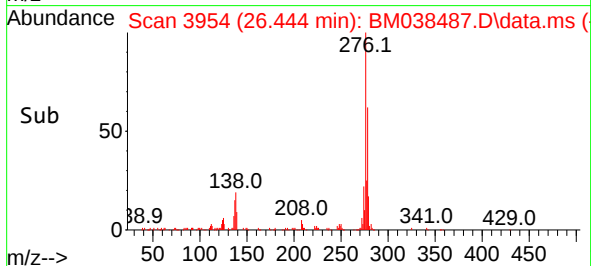
Ion	Ratio	Lower	Upper
276	100		
138	19.3	13.4	20.2
277	25.7	19.8	29.8

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 01/20/2023

Supervised By : Jagrut Upadhyay 01/20/2023



#88

Benzo(b)fluoranthene

Concen: 6.993 ng

RT: 23.191 min Scan# 3401

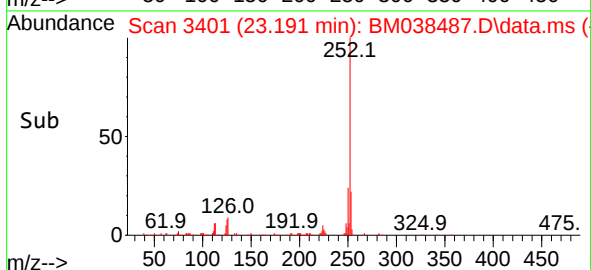
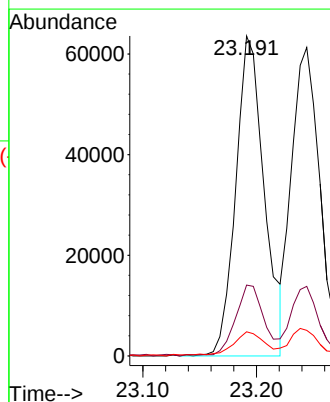
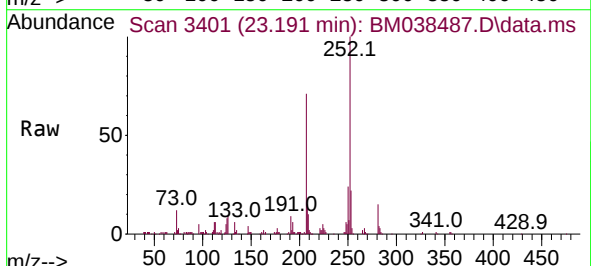
Delta R.T. -0.012 min

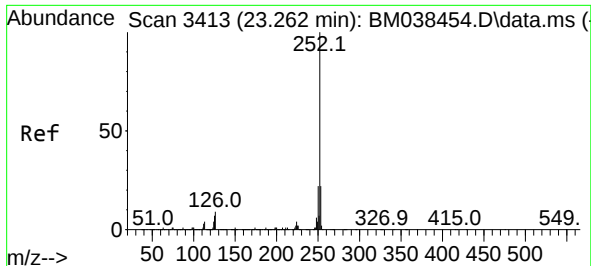
Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

Tgt Ion: 252 Resp: 110774

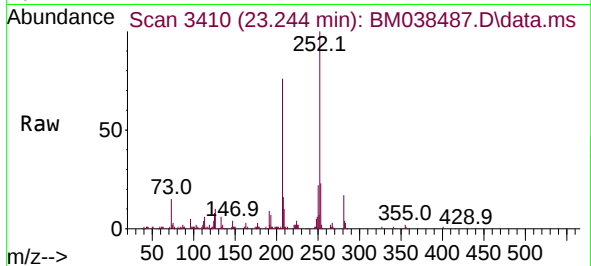
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	7.5	5.1	7.7





#89
Benzo(k)fluoranthene
Concen: 6.621 ng m
RT: 23.244 min Scan# 3413
Delta R.T. -0.012 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

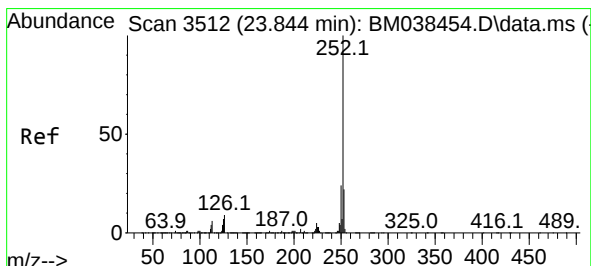
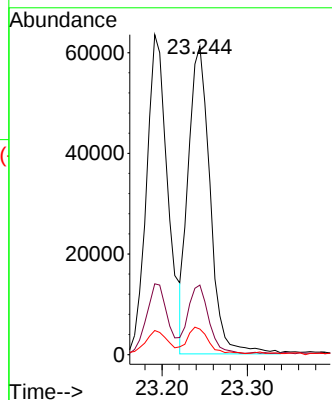
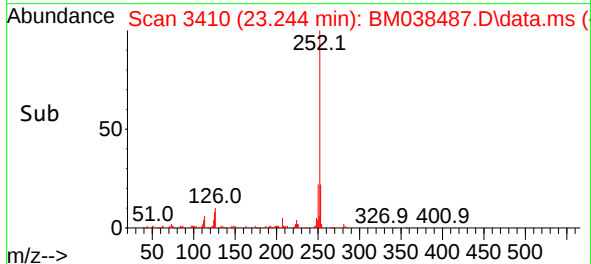
Instrument : BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:252 Resp: 108460
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 8.3 5.5 8.3

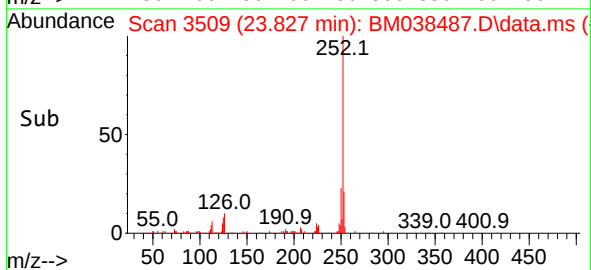
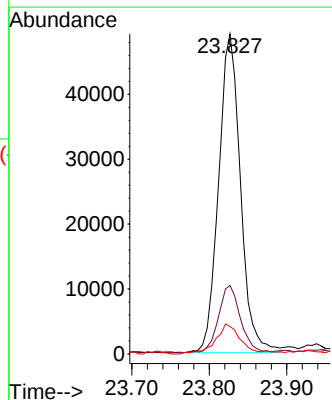
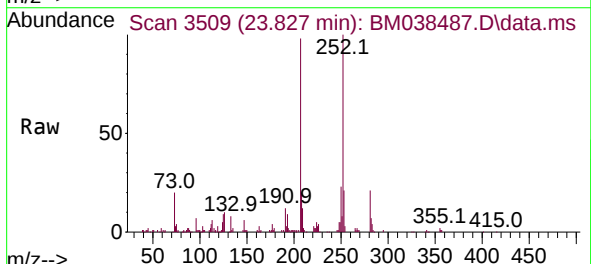
Manual Integrations
APPROVED

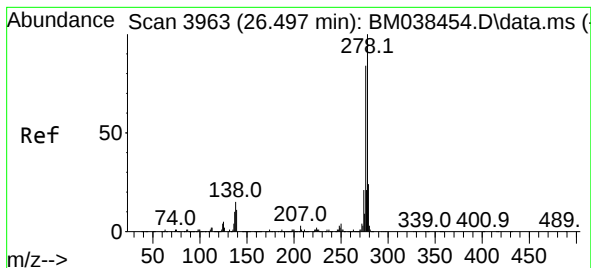
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#90
Benzo(a)pyrene
Concen: 6.216 ng
RT: 23.827 min Scan# 3509
Delta R.T. -0.012 min
Lab File: BM038487.D
Acq: 19 Jan 2023 13:19

Tgt Ion:252 Resp: 96635
Ion Ratio Lower Upper
252 100
253 21.4 17.6 26.4
125 8.6 5.8 8.8





#91

Dibenzo(a,h)anthracene

Concen: 7.019 ng

RT: 26.462 min Scan# 3963

Delta R.T. -0.018 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2022

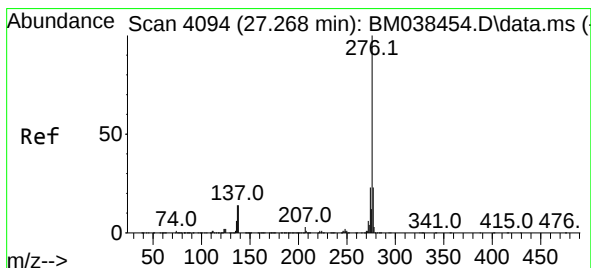
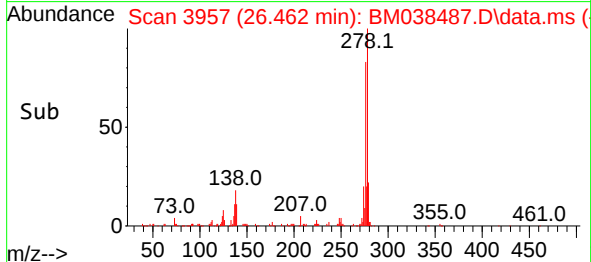
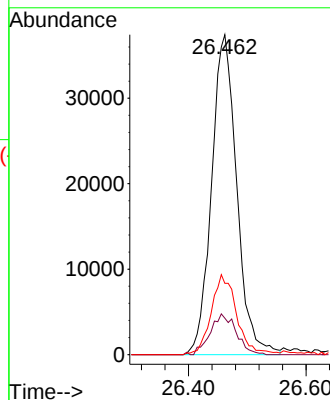
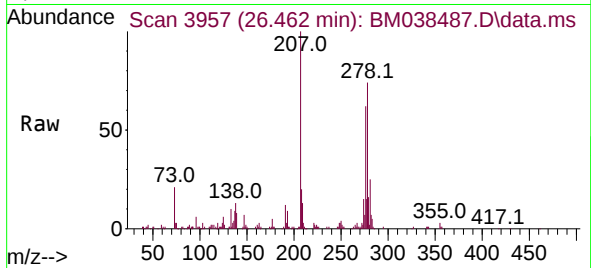
Tgt Ion:	278	Resp:	111366
Ion Ratio	Lower	Upper	
278	100		
139	11.4	8.4	12.6
279	22.3	19.0	28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023

Supervised By :Jagrut Upadhyay 01/20/2023



#92

Benzo(g,h,i)perylene

Concen: 7.438 ng

RT: 27.226 min Scan# 4087

Delta R.T. -0.023 min

Lab File: BM038487.D

Acq: 19 Jan 2023 13:19

Tgt Ion:	276	Resp:	117073
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.6	27.8
138	14.3	11.3	16.9

