

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011923\
 Data File : BM038488.D
 Acq On : 19 Jan 2023 13:56
 Operator : CG/JU
 Sample : N3980-03
 Misc : MDL-MDL-SOIL 4PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jan 20 02:46:32 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	48769	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	164155	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	96297	20.000	ng	0.00
64) Phenanthrene-d10	17.345	188	207341	20.000	ng	0.00
76) Chrysene-d12	21.521	240	208740	20.000	ng	0.00
86) Perylene-d12	23.933	264	255241	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	378372	118.347	ng	0.00
7) Phenol-d6	7.134	99	470837	114.965	ng	0.00
23) Nitrobenzene-d5	9.145	82	336166	83.440	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	169741	104.270	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	590134	76.426	ng	0.00
79) Terphenyl-d14	19.956	244	945590	84.803	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.381	88	6613	4.526	ng	96
3) Pyridine	3.822	79	11106m	2.628	ng	
4) n-Nitrosodimethylamine	3.716	42	9612	3.844	ng	# 85
6) Aniline	7.304	93	17565	3.396	ng	93
8) 2-Chlorophenol	7.534	128	12190	3.851	ng	95
9) Benzaldehyde	7.116	77	15186	5.545	ng	88
10) Phenol	7.157	94	15914	3.729	ng	# 74
11) bis(2-Chloroethyl)ether	7.398	93	13104	3.789	ng	98
12) 1,3-Dichlorobenzene	7.857	146	12541	3.698	ng	96
13) 1,4-Dichlorobenzene	8.010	146	13218	3.874	ng	98
14) 1,2-Dichlorobenzene	8.322	146	12786	3.833	ng	97
15) Benzyl Alcohol	8.222	79	10896	3.322	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.498	45	18793	3.897	ng	93
17) 2-Methylphenol	8.422	107	9447	3.277	ng	96
18) Hexachloroethane	9.051	117	5118	3.663	ng	86
19) n-Nitroso-di-n-propyla...	8.781	70	10338	3.478	ng	98
20) 3+4-Methylphenols	8.751	107	11644	3.009	ng	93
22) Acetophenone	8.804	105	18443	3.801	ng	# 97
24) Nitrobenzene	9.186	77	18565m	4.361	ng	
25) Isophorone	9.710	82	25625	3.591	ng	98
26) 2-Nitrophenol	9.898	139	4522	3.026	ng	89
27) 2,4-Dimethylphenol	9.957	122	7915	3.110	ng	95
28) bis(2-Chloroethoxy)met...	10.192	93	14144	3.524	ng	93
29) 2,4-Dichlorophenol	10.433	162	8451	3.006	ng	91
30) 1,2,4-Trichlorobenzene	10.645	180	10963	3.372	ng	97
31) Naphthalene	10.833	128	31524	3.624	ng	98
32) Benzoic acid	10.028	122	3477m	6.564	ng	
33) 4-Chloroaniline	10.957	127	11177	2.927	ng	93
34) Hexachlorobutadiene	11.104	225	7917	3.473	ng	92
35) Caprolactam	11.733	113	1728	2.175	ng	# 87
36) 4-Chloro-3-methylphenol	12.069	107	9128	2.978	ng	94
37) 2-Methylnaphthalene	12.439	142	20037	3.150	ng	94
38) 1-Methylnaphthalene	12.657	142	18634	3.120	ng	99
40) 1,2,4,5-Tetrachloroben...	12.804	216	12684	3.519	ng	98
41) Hexachlorocyclopentadiene	12.774	237	6212	3.031	ng	91
43) 2,4,6-Trichlorophenol	13.051	196	7049	3.094	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011923\
 Data File : BM038488.D
 Acq On : 19 Jan 2023 13:56
 Operator : CG/JU
 Sample : N3980-03
 Misc : MDL-MDL-SOIL 4PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jan 20 02:46:32 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

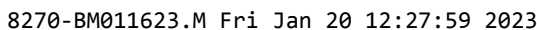
Reviewed By :Christian Giraldo 01/20/2023
 Supervised By :Jagrut Upadhyay 01/20/2023

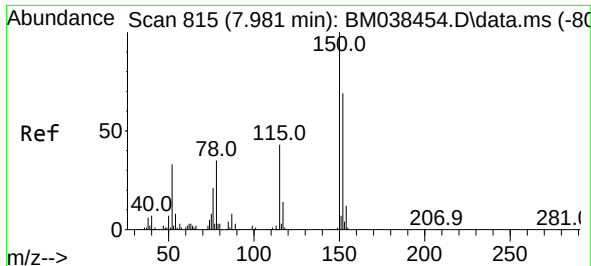
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.127	196	7406	2.757	ng	94
46) 1,1'-Biphenyl	13.445	154	26608	3.562	ng	94
47) 2-Chloronaphthalene	13.486	162	21076	3.584	ng	96
48) 2-Nitroaniline	13.704	65	6865	5.049	ng	86
49) Acenaphthylene	14.333	152	29623	3.195	ng	96
50) Dimethylphthalate	14.063	163	25814	3.308	ng	98
51) 2,6-Dinitrotoluene	14.192	165	4573	2.880	ng	89
52) Acenaphthene	14.668	154	18477	3.280	ng	96
53) 3-Nitroaniline	14.527	138	3756	4.681	ng	87
54) 2,4-Dinitrophenol	14.733	184	1968	6.871	ng	# 80
55) Dibenzofuran	15.004	168	32193	3.356	ng	96
56) 4-Nitrophenol	14.833	139	2620	5.679	ng	91
57) 2,4-Dinitrotoluene	14.980	165	5836	2.644	ng	# 86
58) Fluorene	15.651	166	23782	2.967	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.227	232	6758	2.837	ng	# 98
60) Diethylphthalate	15.421	149	24369	3.044	ng	96
61) 4-Chlorophenyl-phenyle...	15.645	204	13212	3.003	ng	98
62) 4-Nitroaniline	15.680	138	3061	4.476	ng	# 82
63) Azobenzene	15.933	77	28416	3.226	ng	94
65) 4,6-Dinitro-2-methylph...	15.739	198	3200	2.274	ng	87
66) n-Nitrosodiphenylamine	15.857	169	19462	3.199	ng	95
67) 4-Bromophenyl-phenylether	16.539	248	7695	3.208	ng	99
68) Hexachlorobenzene	16.645	284	8499	3.165	ng	95
69) Atrazine	16.804	200	7084	3.293	ng	94
70) Pentachlorophenol	16.998	266	4731	2.413	ng	94
71) Phenanthrene	17.386	178	38270	3.336	ng	98
72) Anthracene	17.480	178	36378	3.086	ng	99
73) Carbazole	17.757	167	31340	3.040	ng	96
74) Di-n-butylphthalate	18.304	149	35383	2.890	ng	99
75) Fluoranthene	19.398	202	42847	2.971	ng	99
77) Benzidine	19.592	184	17217	3.764	ng	# 96
78) Pyrene	19.762	202	46146	3.322	ng	100
80) Butylbenzylphthalate	20.650	149	15645	3.081	ng	95
81) Benzo(a)anthracene	21.503	228	49021	3.265	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	17024	3.522	ng	91
83) Chrysene	21.556	228	49277	3.378	ng	96
84) Bis(2-ethylhexyl)phtha...	21.415	149	20853	2.857	ng	95
85) Di-n-octyl phthalate	22.344	149	37424	2.914	ng	# 91
87) Indeno(1,2,3-cd)pyrene	26.450	276	61818	3.273	ng	# 95
88) Benzo(b)fluoranthene	23.197	252	51589	3.260	ng	# 97
89) Benzo(k)fluoranthene	23.244	252	53335m	3.259	ng	
90) Benzo(a)pyrene	23.827	252	47621	3.066	ng	96
91) Dibenzo(a,h)anthracene	26.456	278	52794	3.331	ng	98
92) Benzo(g,h,i)perylene	27.226	276	55886	3.554	ng	94

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

Manual Integrations

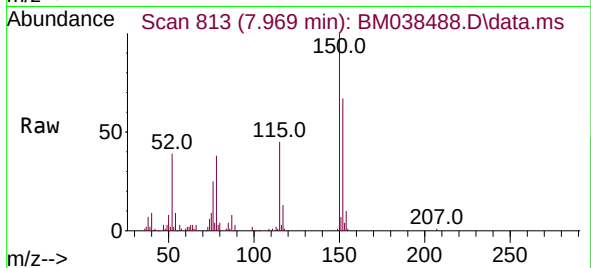
Quant Time: Jan 20 02:46:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 06:09:42 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

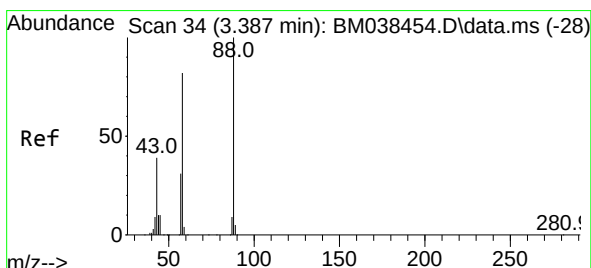
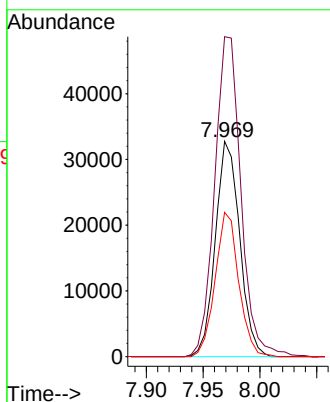
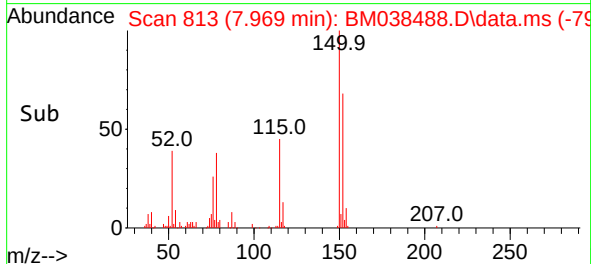
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:152 Resp: 48769
Ion Ratio Lower Upper
152 100
150 148.7 116.0 174.0
115 67.0 49.4 74.2

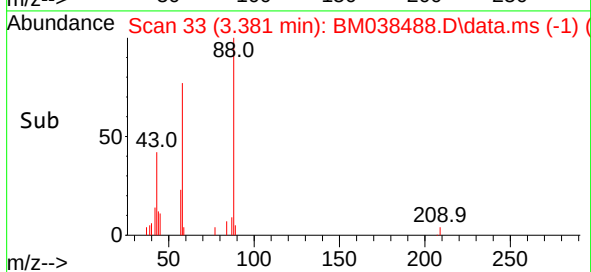
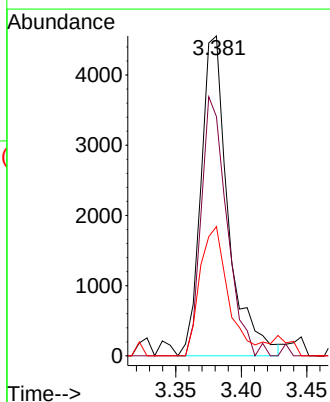
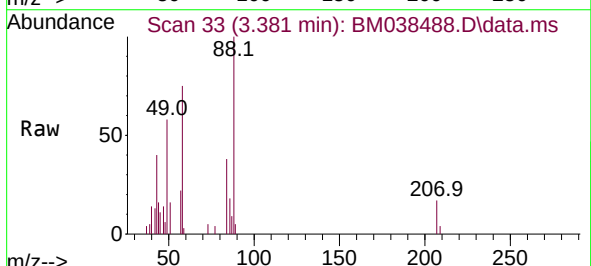
Manual Integrations
APPROVED

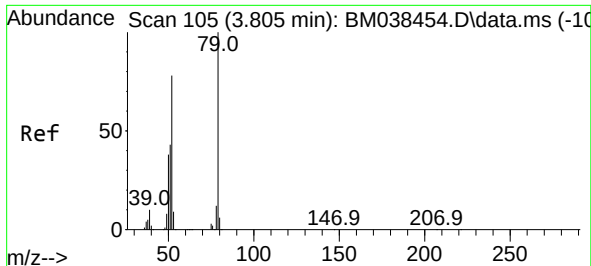
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#2
1,4-Dioxane
Concen: 4.526 ng
RT: 3.381 min Scan# 33
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

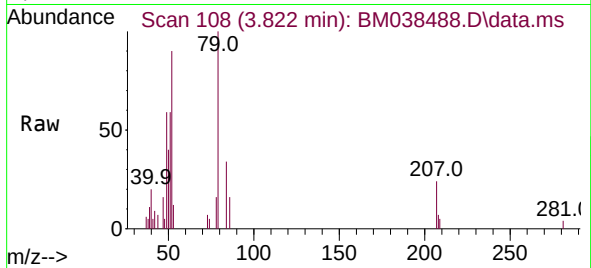
Tgt Ion: 88 Resp: 6613
Ion Ratio Lower Upper
88 100
58 75.9 64.3 96.5
43 41.6 32.3 48.5





#3
Pyridine
Concen: 2.628 ng m
RT: 3.822 min Scan# 10
Delta R.T. 0.030 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

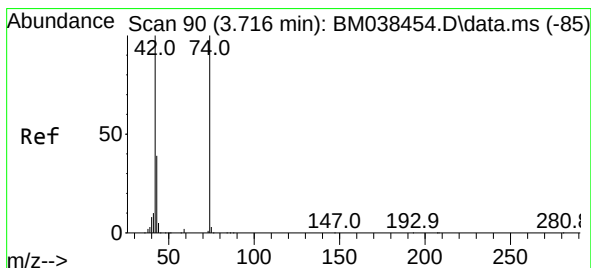
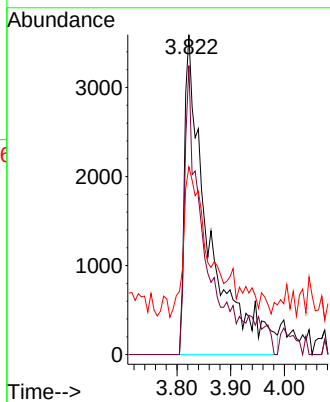
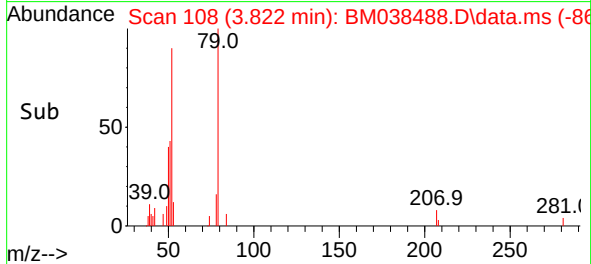
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 79 Resp: 11106
Ion Ratio Lower Upper
79 100
52 90.3 62.2 93.2
51 58.7 34.8 52.2

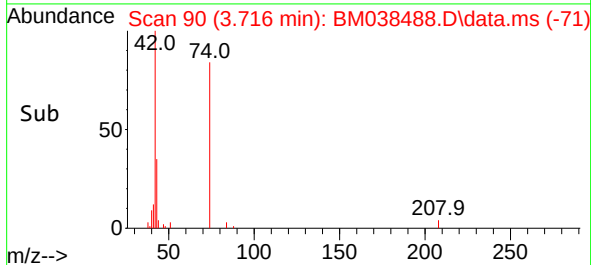
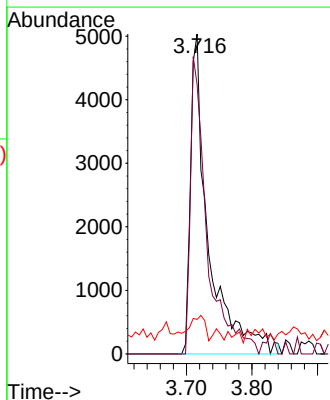
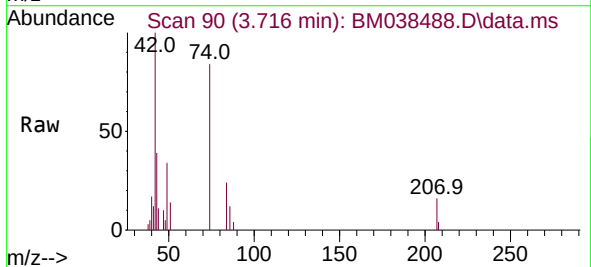
Manual Integrations
APPROVED

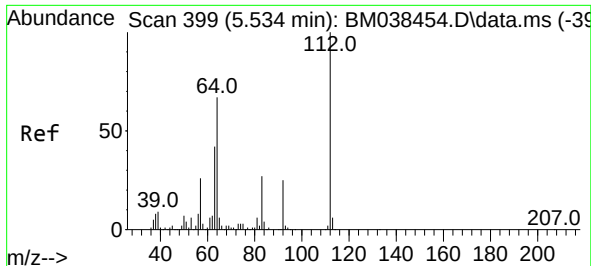
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#4
n-Nitrosodimethylamine
Concen: 3.844 ng
RT: 3.716 min Scan# 90
Delta R.T. 0.012 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

Tgt Ion: 42 Resp: 9612
Ion Ratio Lower Upper
42 100
74 84.2 79.7 119.5
44 10.8 4.7 7.1





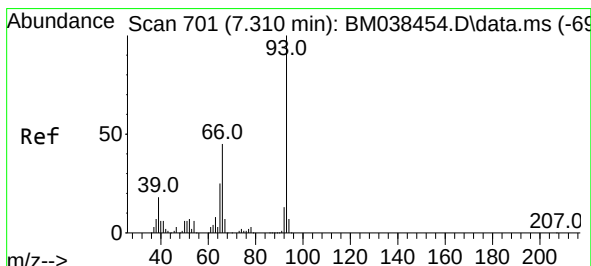
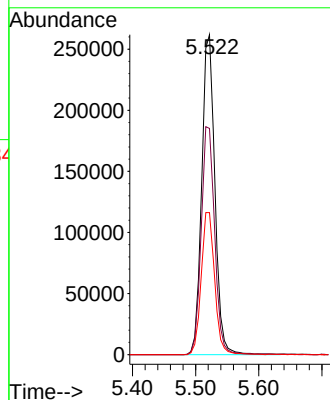
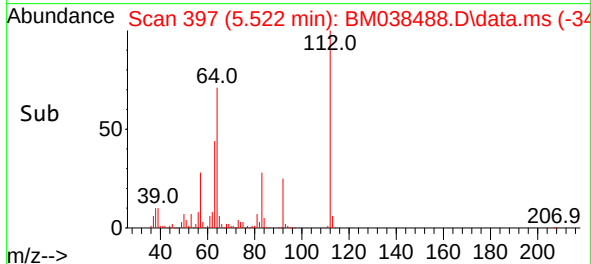
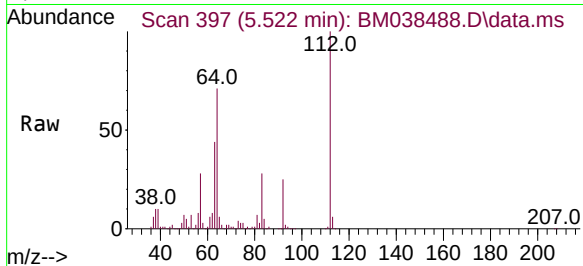
#5
2-Fluorophenol
Concen: 118.347 ng
RT: 5.522 min Scan# 399
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

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

Tgt Ion: 112 Resp: 378372
Ion Ratio Lower Upper
112 100
64 70.7 53.7 80.5
63 44.4 33.7 50.5

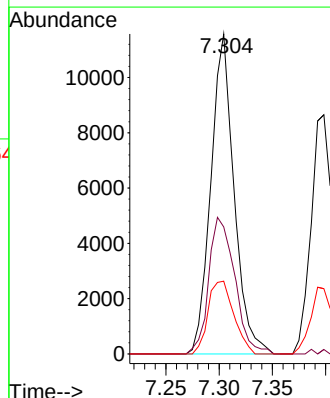
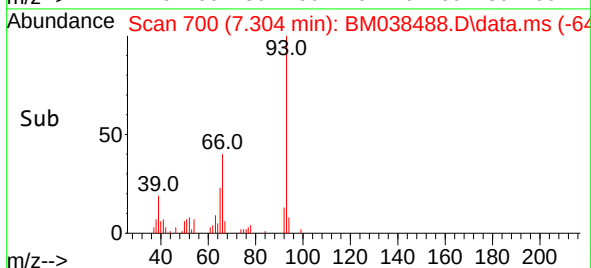
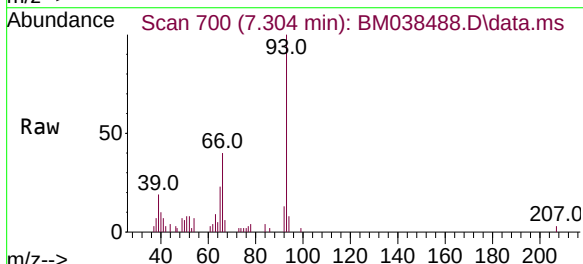
Manual Integrations
APPROVED

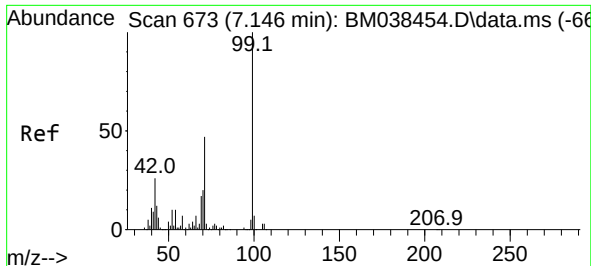
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#6
Aniline
Concen: 3.396 ng
RT: 7.304 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

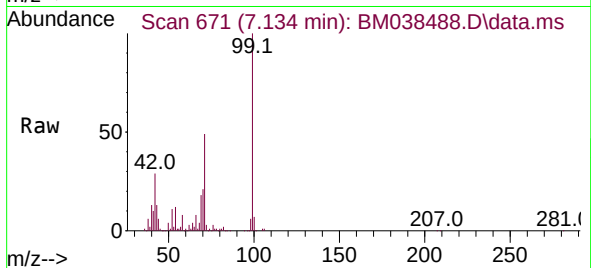
Tgt Ion: 93 Resp: 17565
Ion Ratio Lower Upper
93 100
66 39.7 36.2 54.2
65 22.7 19.8 29.8





#7
Phenol-d6
Concen: 114.965 ng
RT: 7.134 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

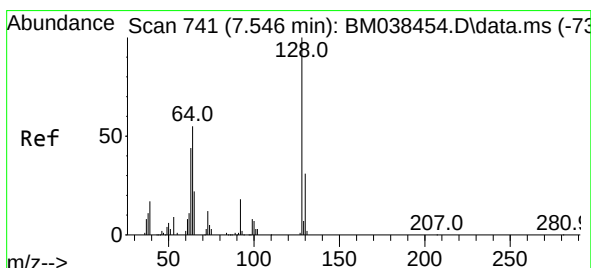
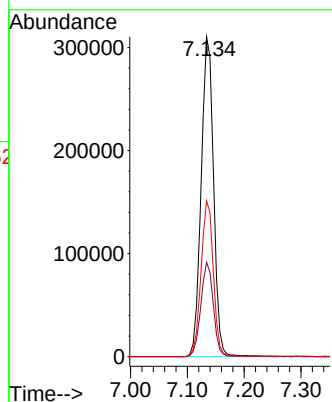
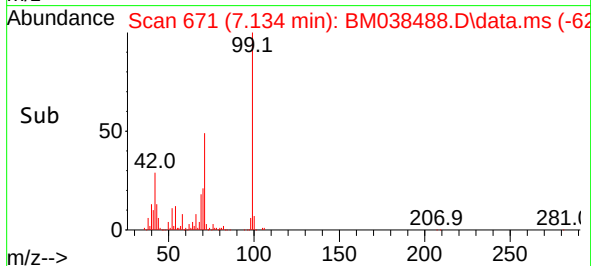
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



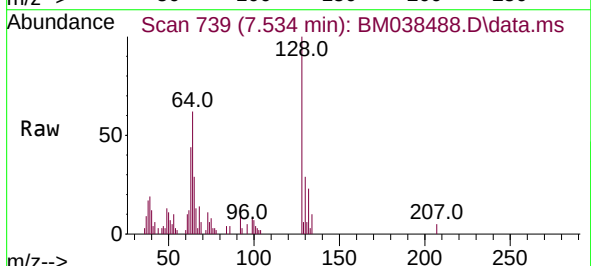
Tgt Ion: 99 Resp: 47083
Ion Ratio Lower Upper
99 100
42 29.5 20.8 31.2
71 48.7 37.8 56.8

Manual Integrations
APPROVED

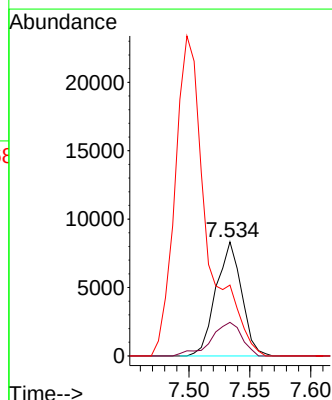
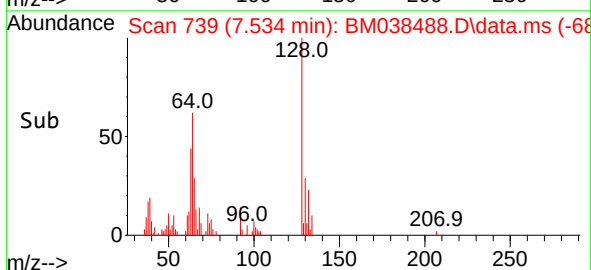
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

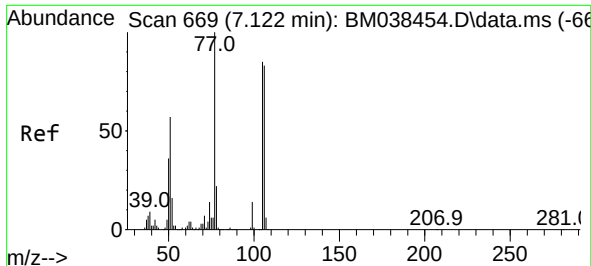


#8
2-Chlorophenol
Concen: 3.851 ng
RT: 7.534 min Scan# 739
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56



Tgt Ion:128 Resp: 12190
Ion Ratio Lower Upper
128 100
130 29.4 11.5 51.5
64 62.2 38.0 78.0





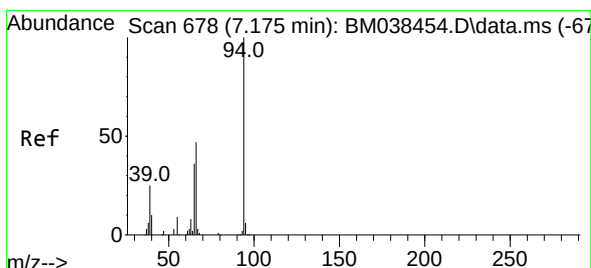
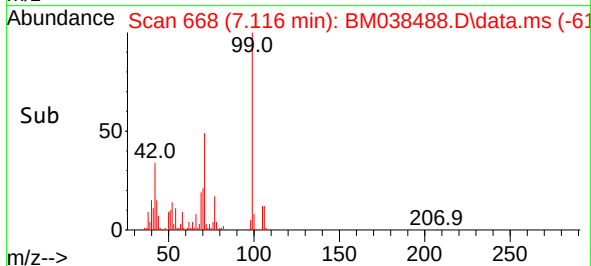
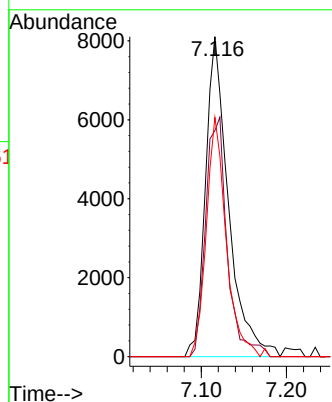
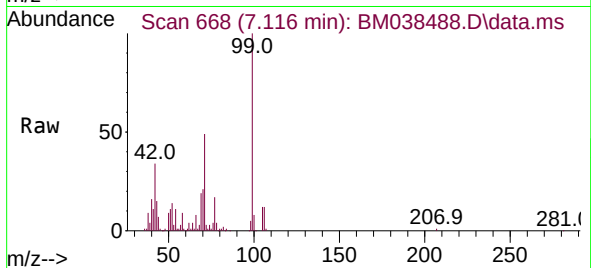
#9
Benzaldehyde
Concen: 5.545 ng
RT: 7.116 min Scan# 60
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

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

Tgt Ion: 77 Resp: 15186
Ion Ratio Lower Upper
77 100
105 70.6 65.3 105.3
106 74.7 62.5 102.5

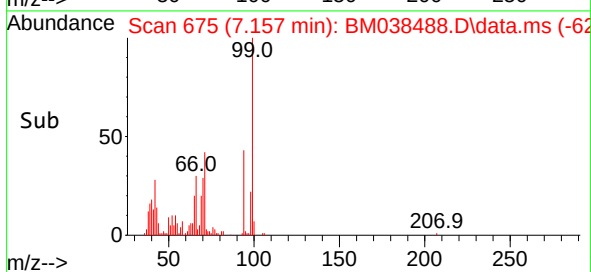
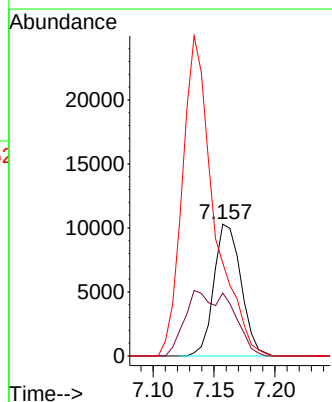
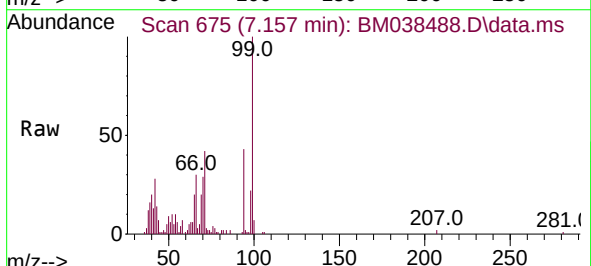
Manual Integrations
APPROVED

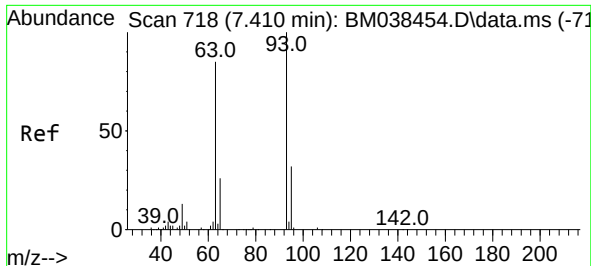
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#10
Phenol
Concen: 3.729 ng
RT: 7.157 min Scan# 675
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

Tgt Ion: 94 Resp: 15914
Ion Ratio Lower Upper
94 100
65 47.6 16.3 56.3
66 70.5 29.2 69.2#





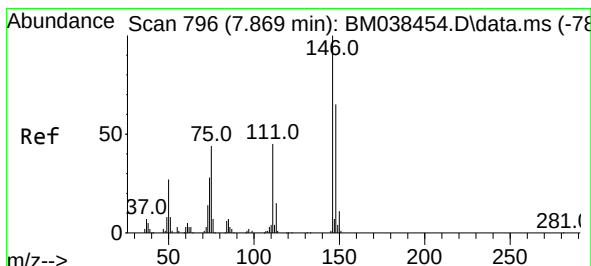
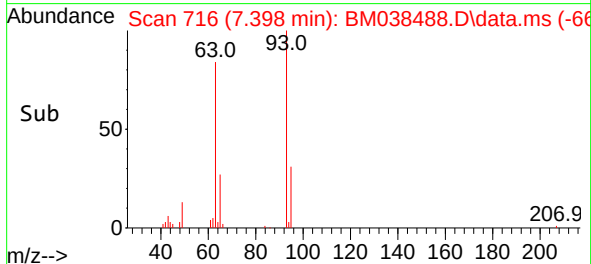
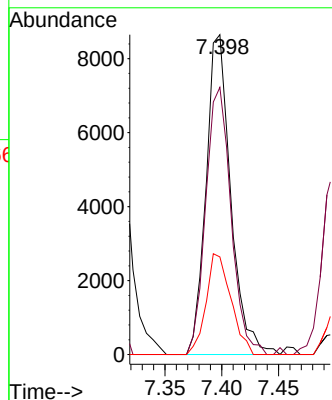
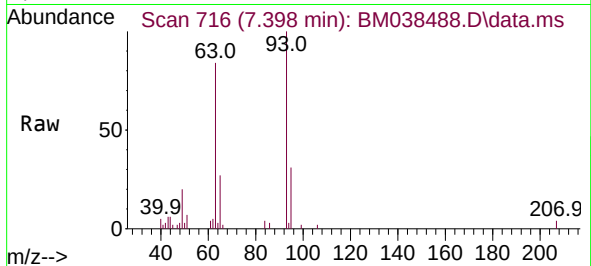
#11
bis(2-Chloroethyl)ether
Concen: 3.789 ng
RT: 7.398 min Scan# 718
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

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

Tgt Ion: 93 Resp: 13104
Ion Ratio Lower Upper
93 100
63 83.5 64.6 104.6
95 30.5 12.0 52.0

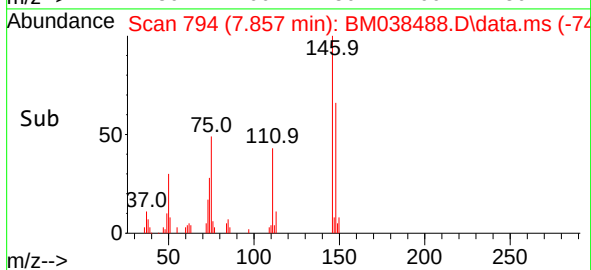
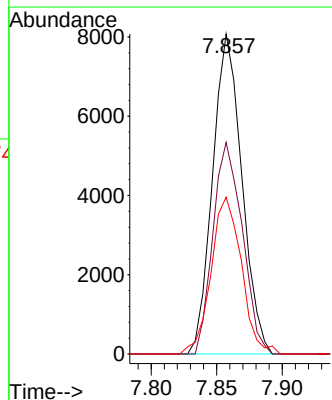
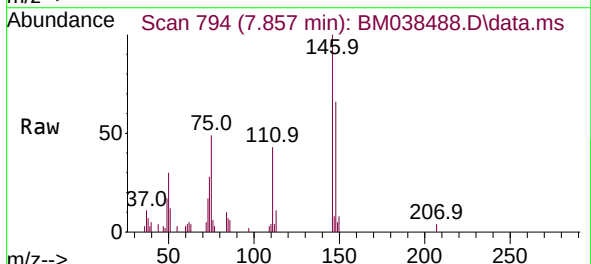
Manual Integrations
APPROVED

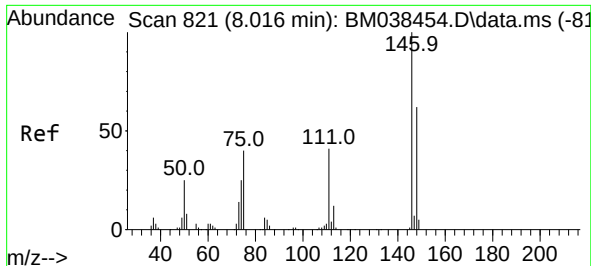
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#12
1,3-Dichlorobenzene
Concen: 3.698 ng
RT: 7.857 min Scan# 794
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

Tgt Ion:146 Resp: 12541
Ion Ratio Lower Upper
146 100
148 66.1 51.8 77.8
75 49.0 35.1 52.7





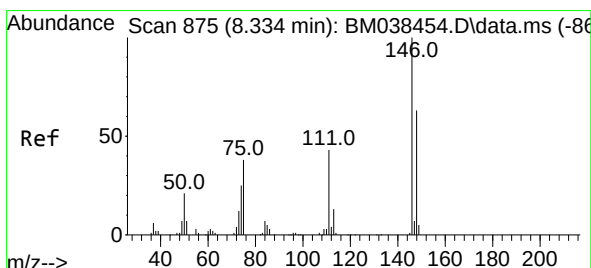
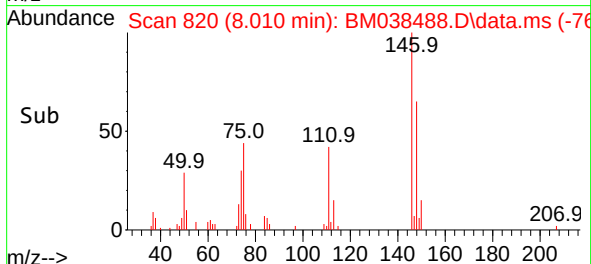
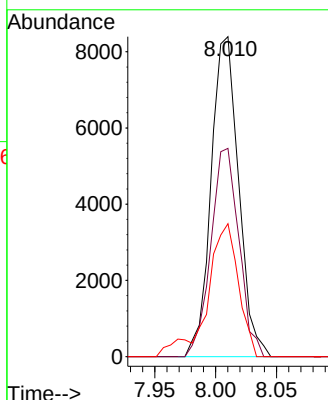
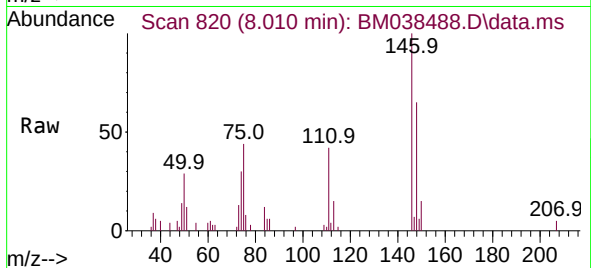
#13
1,4-Dichlorobenzene
Concen: 3.874 ng
RT: 8.010 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

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

Tgt Ion:146 Resp: 13218
Ion Ratio Lower Upper
146 100
148 65.1 50.1 75.1
111 41.5 32.8 49.2

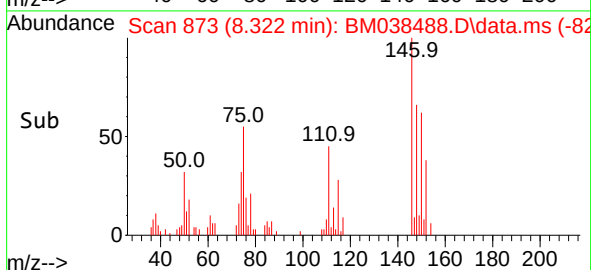
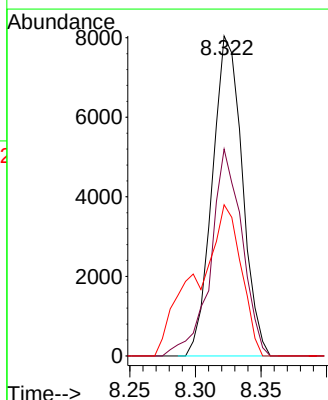
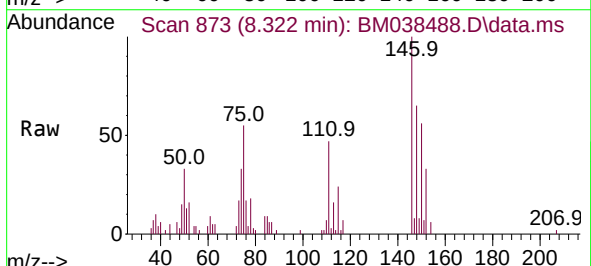
Manual Integrations
APPROVED

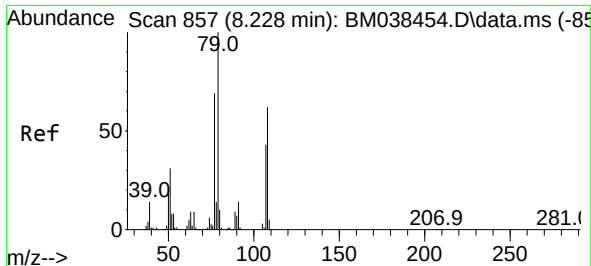
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#14
1,2-Dichlorobenzene
Concen: 3.833 ng
RT: 8.322 min Scan# 873
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

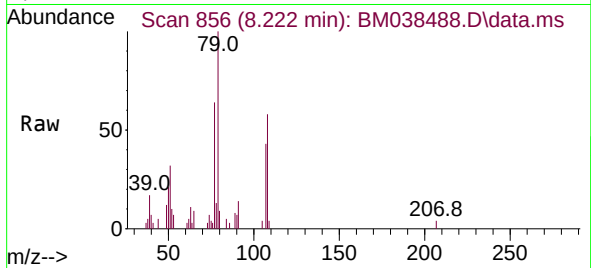
Tgt Ion:146 Resp: 12786
Ion Ratio Lower Upper
146 100
148 64.6 50.7 76.1
111 47.2 35.2 52.8





#15
Benzyl Alcohol
Concen: 3.322 ng
RT: 8.222 min Scan# 857
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

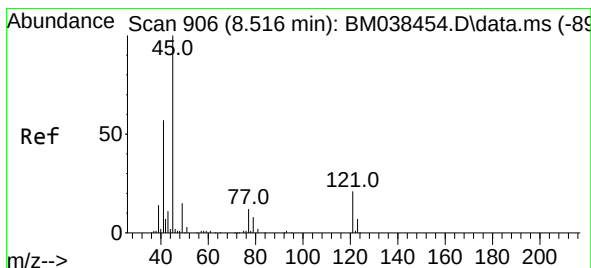
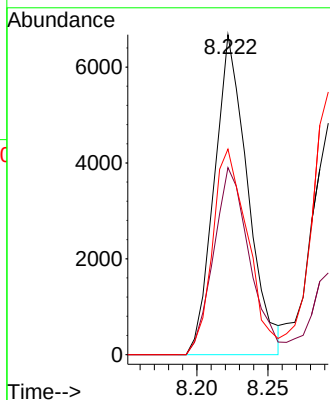
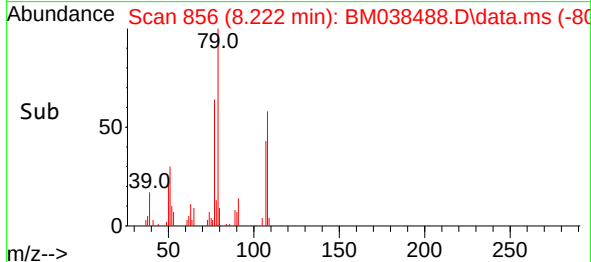
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 79 Resp: 10896
Ion Ratio Lower Upper
79 100
108 58.4 49.3 73.9
77 64.2 55.1 82.7

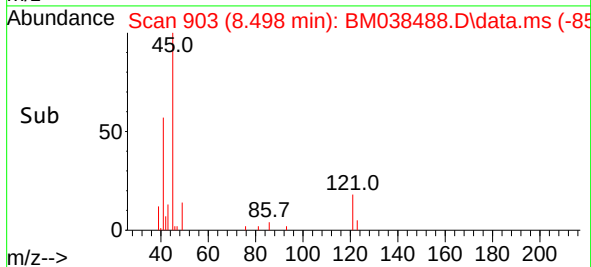
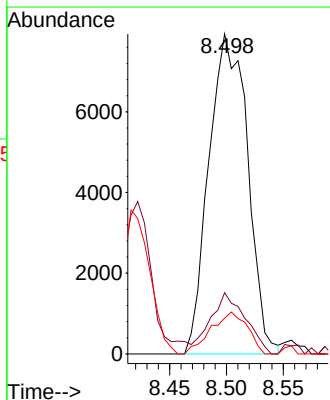
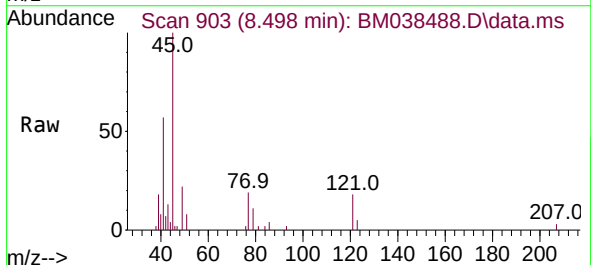
Manual Integrations
APPROVED

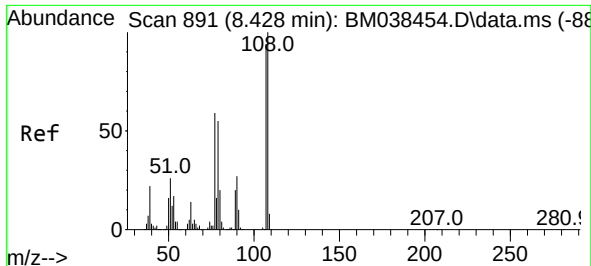
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.897 ng
RT: 8.498 min Scan# 903
Delta R.T. -0.012 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

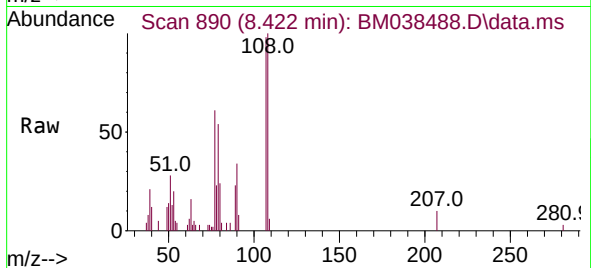
Tgt Ion: 45 Resp: 18793
Ion Ratio Lower Upper
45 100
77 19.2 0.0 34.7
79 11.2 0.0 30.4





#17
2-Methylphenol
Concen: 3.277 ng
RT: 8.422 min Scan# 891
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

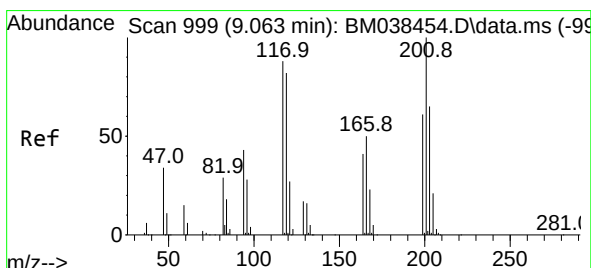
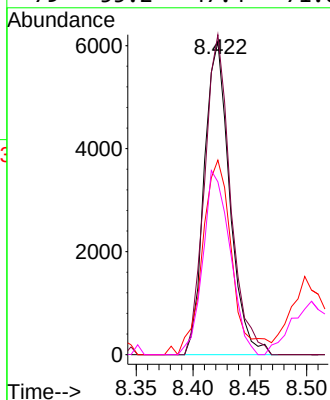
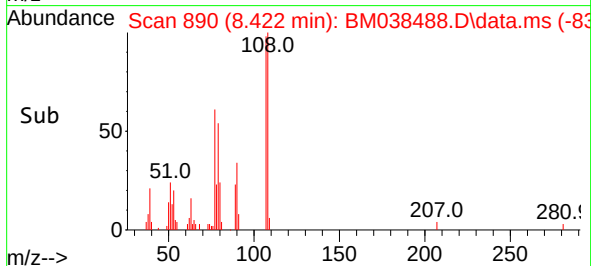
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion	Ratio	Lower	Upper
107	100		
108	102.3	85.7	128.5
77	62.2	50.5	75.7
79	55.2	47.4	71.0

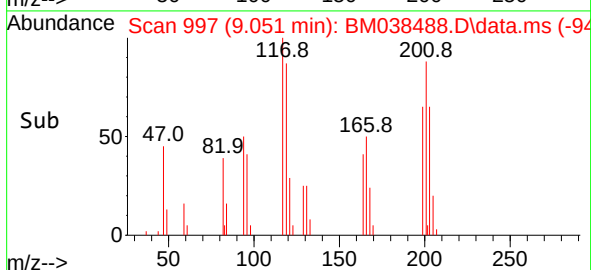
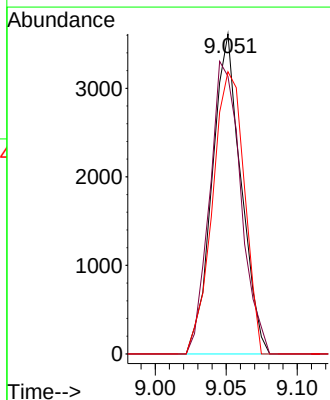
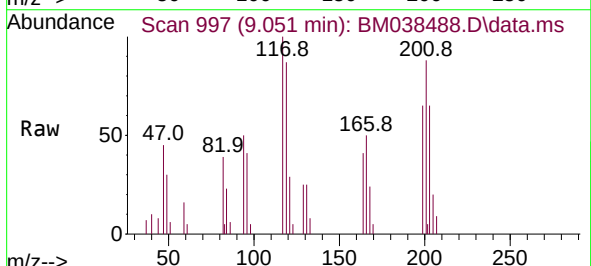
Manual Integrations
APPROVED

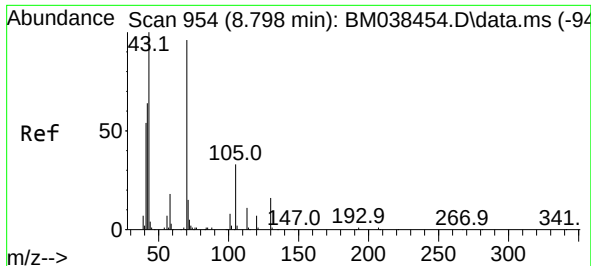
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#18
Hexachloroethane
Concen: 3.663 ng
RT: 9.051 min Scan# 997
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.7	74.5	111.7
201	92.8	91.3	136.9





#19

n-Nitroso-di-n-propylamine

Concen: 3.478 ng

RT: 8.781 min Scan# 951

Delta R.T. -0.012 min

Lab File: BM038488.D

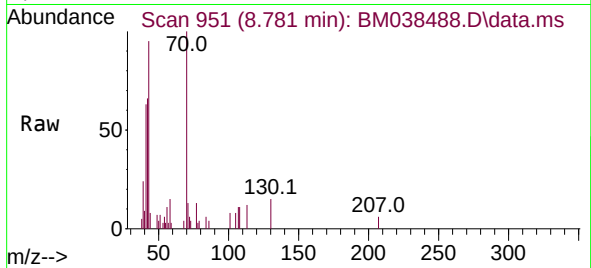
Acq: 19 Jan 2023 13:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion: 70 Resp: 10338

Ion Ratio Lower Upper

70 100

42 65.8 54.2 81.2

101 7.6 6.6 10.0

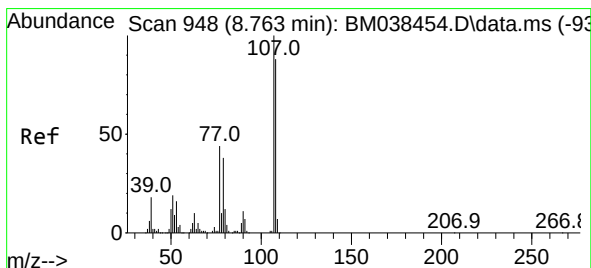
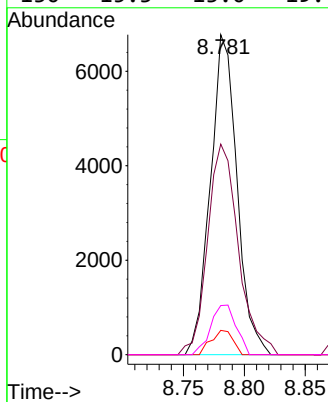
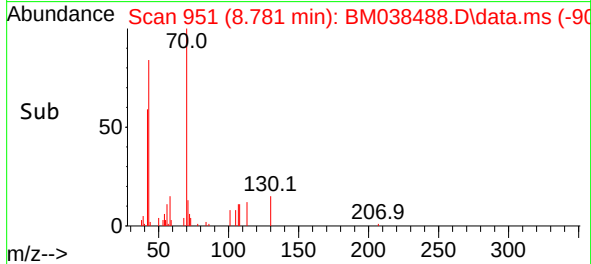
130 15.3 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023

Supervised By :Jagrut Upadhyay 01/20/2023



#20

3+4-Methylphenols

Concen: 3.009 ng

RT: 8.751 min Scan# 946

Delta R.T. 0.000 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

Tgt Ion:107 Resp: 11644

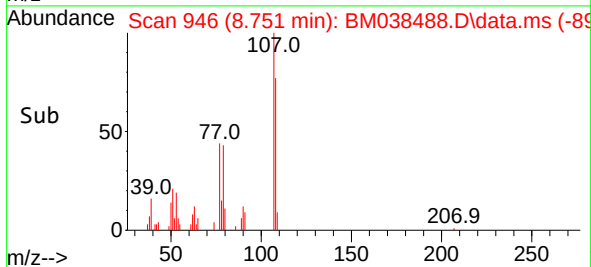
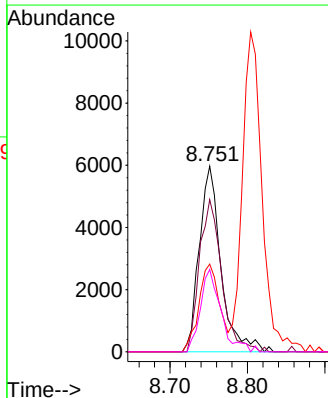
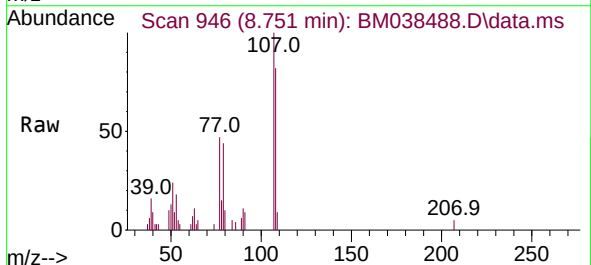
Ion Ratio Lower Upper

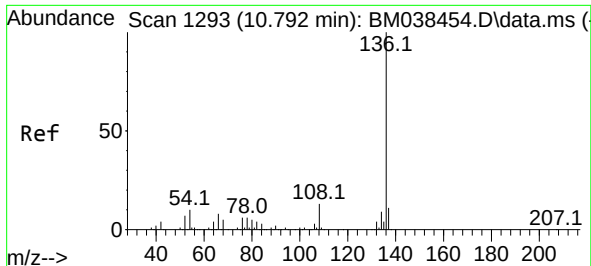
107 100

108 82.0 67.6 107.6

77 47.2 24.1 64.1

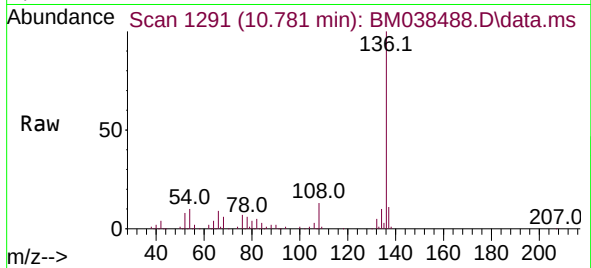
79 44.3 17.8 57.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

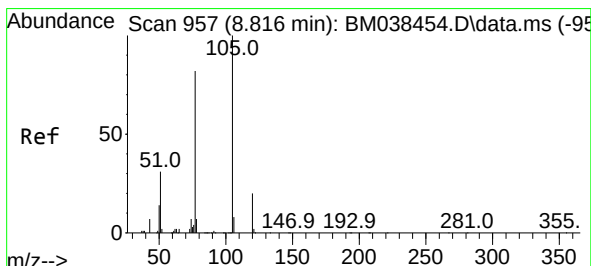
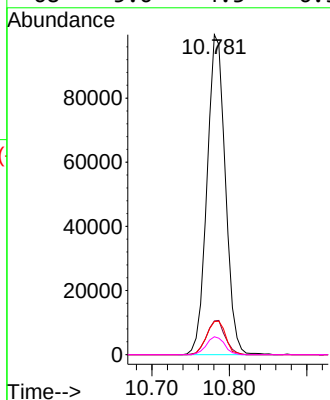
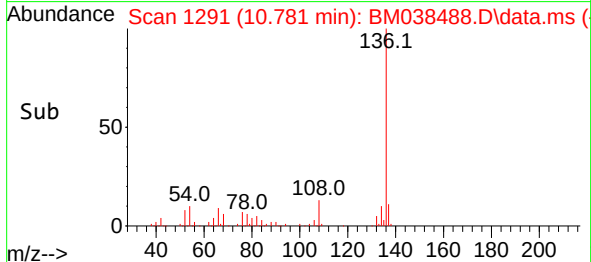
Instrument : BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:136 Resp: 164155
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 10.3 7.6 11.4
68 5.6 4.3 6.5

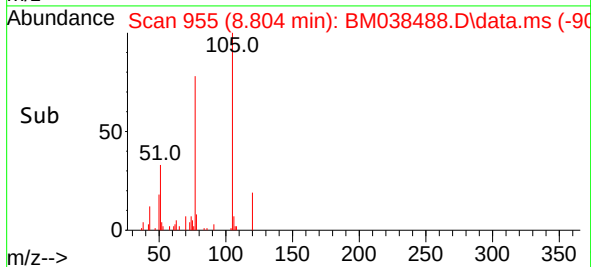
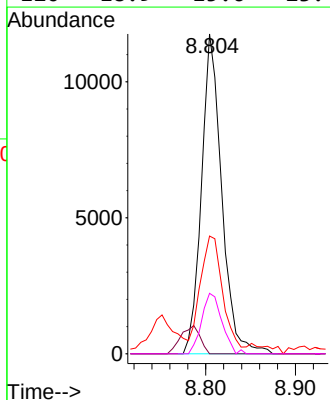
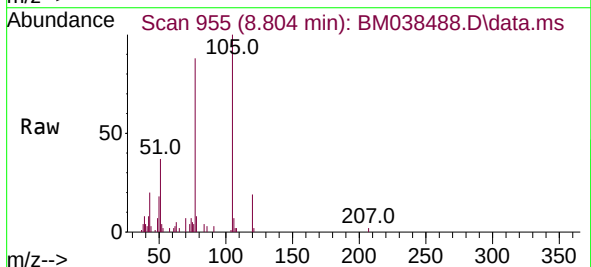
Manual Integrations
APPROVED

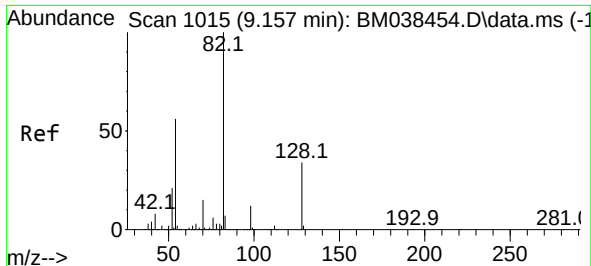
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#22
Acetophenone
Concen: 3.801 ng
RT: 8.804 min Scan# 955
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

Tgt Ion:105 Resp: 18443
Ion Ratio Lower Upper
105 100
71 0.0 1.0 1.6#
51 36.8 27.4 41.2
120 18.9 15.6 23.4





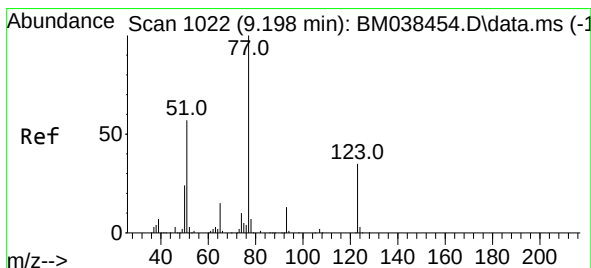
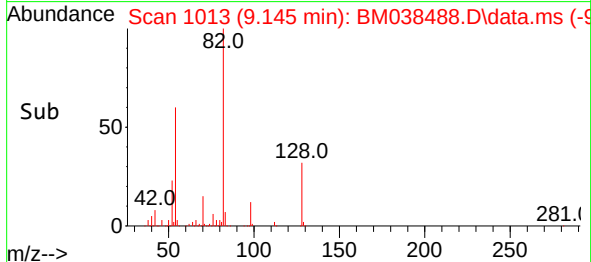
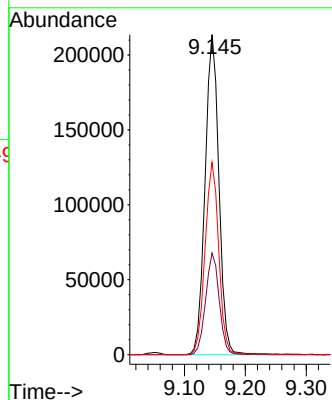
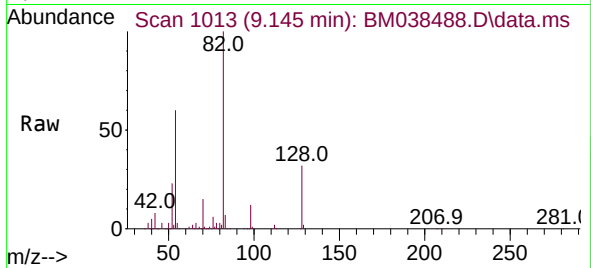
#23
Nitrobenzene-d5
Concen: 83.440 ng
RT: 9.145 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

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

Tgt Ion: 82 Resp: 336166
Ion Ratio Lower Upper
82 100
128 31.7 27.0 40.6
54 60.1 45.0 67.6

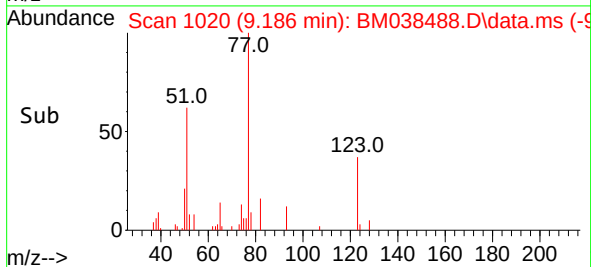
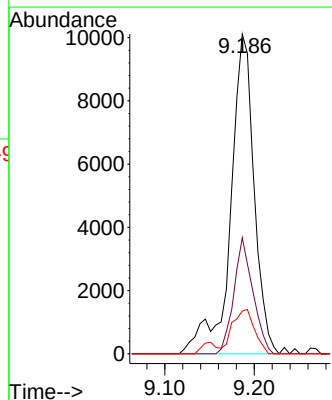
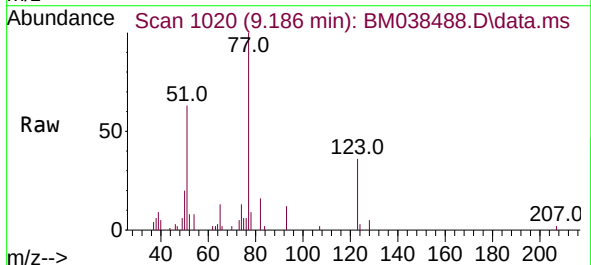
Manual Integrations
APPROVED

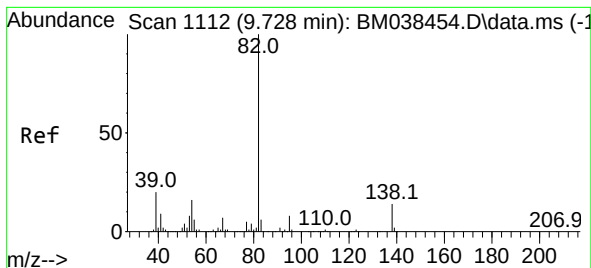
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#24
Nitrobenzene
Concen: 4.361 ng m
RT: 9.186 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

Tgt Ion: 77 Resp: 18565
Ion Ratio Lower Upper
77 100
123 36.3 28.2 42.4
65 13.4 12.1 18.1





#25

Isophorone

Concen: 3.591 ng

RT: 9.710 min Scan# 1109

Delta R.T. -0.006 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

Instrument :

BNA_M

ClientSampleId :

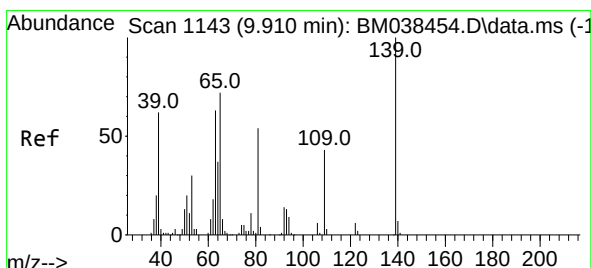
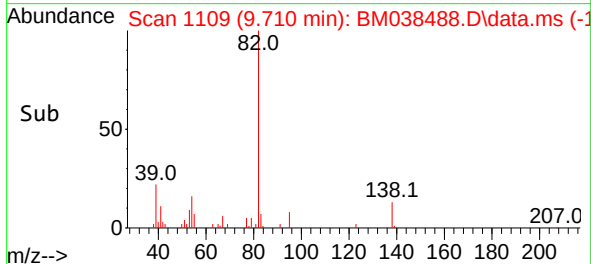
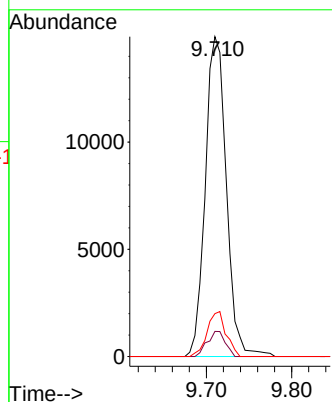
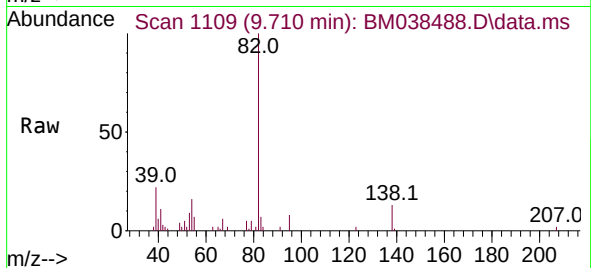
MDL-SOIL-03-QT3-2022

Tgt Ion:	82	Resp:	2562
Ion Ratio	Lower	Upper	
82	100		
95	7.9	6.1	9.1
138	13.4	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: 3.026 ng

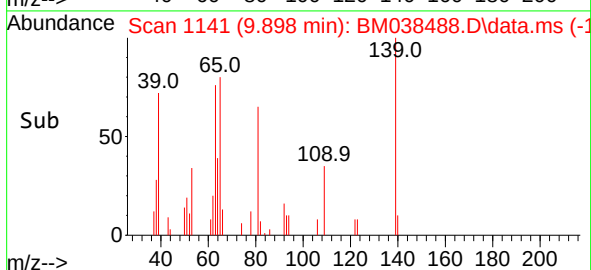
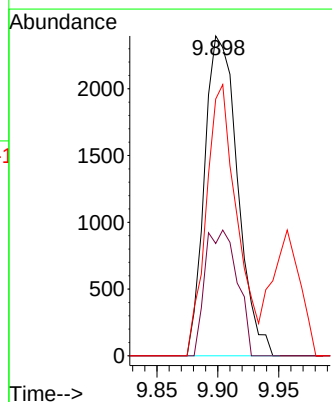
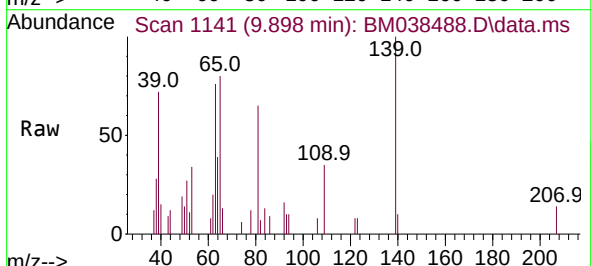
RT: 9.898 min Scan# 1141

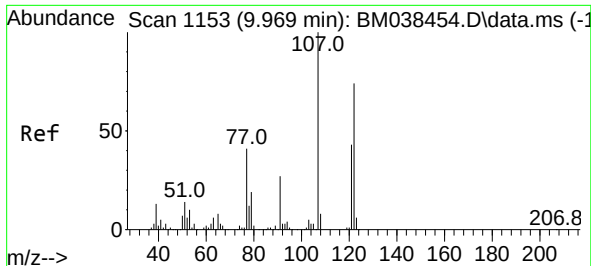
Delta R.T. -0.006 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

Tgt Ion:	139	Resp:	4522
Ion Ratio	Lower	Upper	
139	100		
109	35.1	34.7	52.1
65	80.3	57.4	86.0





#27

2,4-Dimethylphenol

Concen: 3.110 ng

RT: 9.957 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BM038488.D

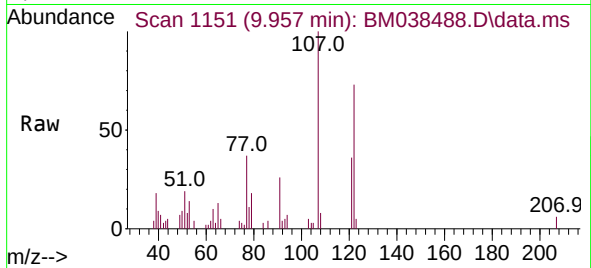
Acq: 19 Jan 2023 13:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2022



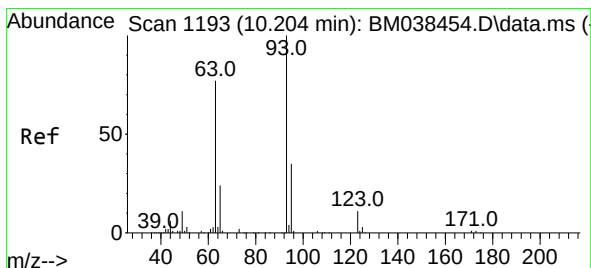
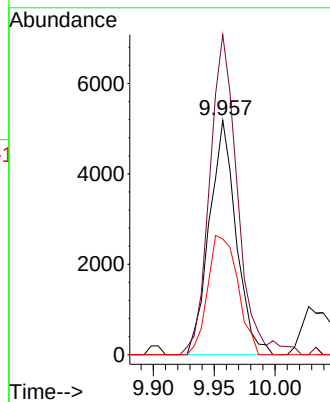
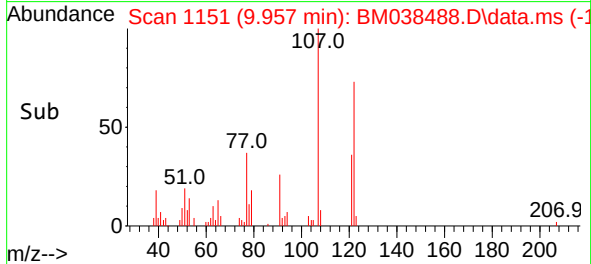
Tgt Ion	Ratio	Lower	Upper
122	100		
107	136.6	107.4	161.0
121	49.3	46.6	70.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023

Supervised By :Jagrut Upadhyay 01/20/2023



#28

bis(2-Chloroethoxy)methane

Concen: 3.524 ng

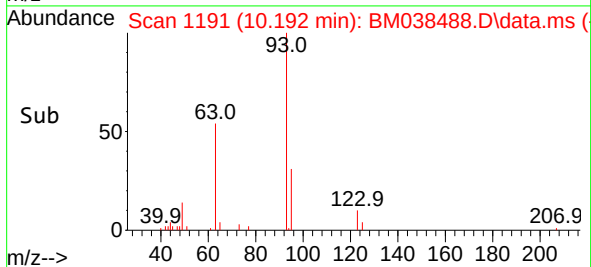
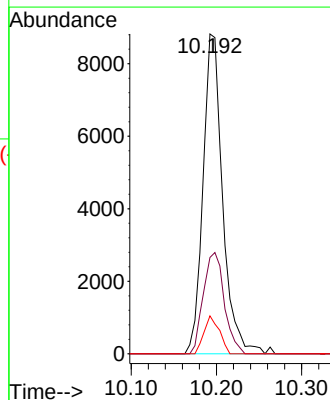
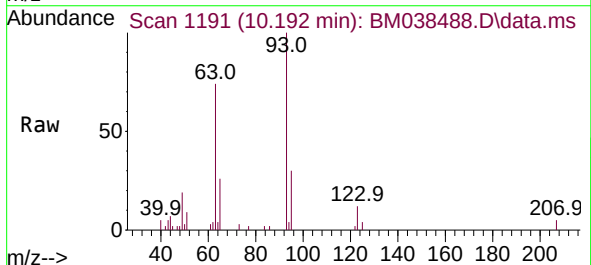
RT: 10.192 min Scan# 1191

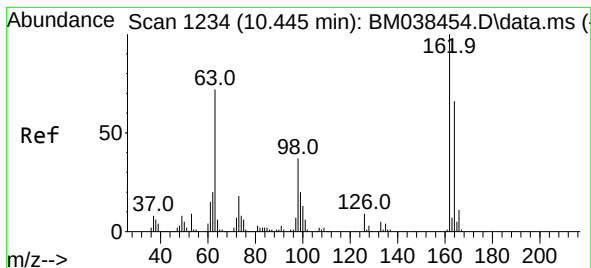
Delta R.T. -0.006 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

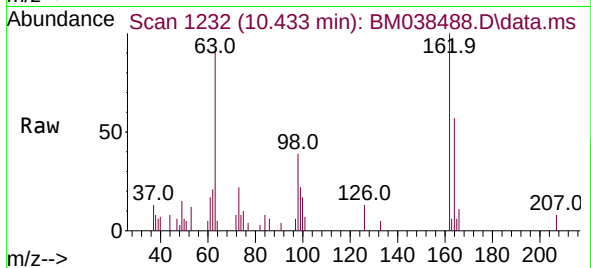
Tgt Ion	Ratio	Lower	Upper
93	100		
95	30.1	27.7	41.5
123	11.9	8.6	13.0





#29
2,4-Dichlorophenol
Concen: 3.006 ng
RT: 10.433 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

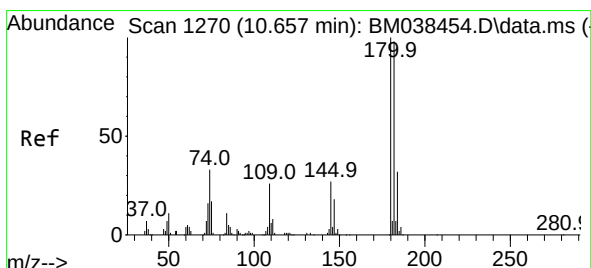
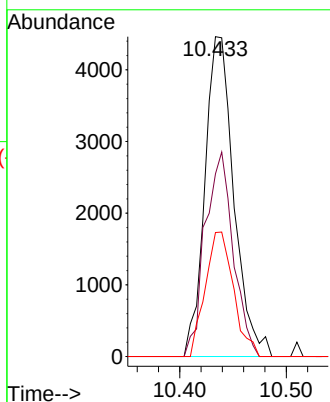
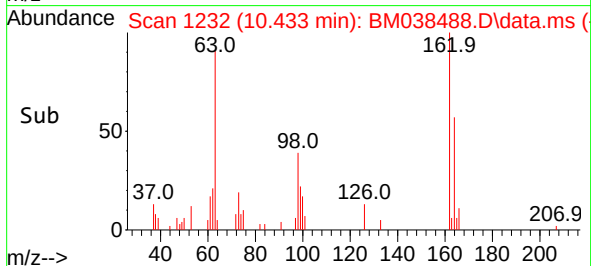
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:162 Resp: 845
Ion Ratio Lower Upper
162 100
164 57.1 46.5 86.5
98 38.8 17.1 57.1

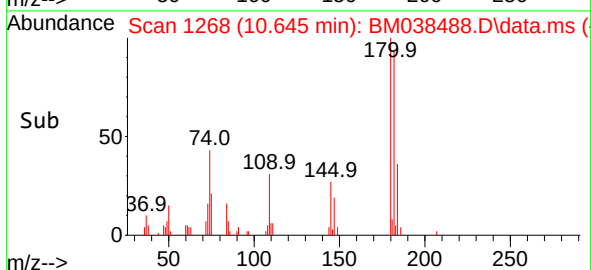
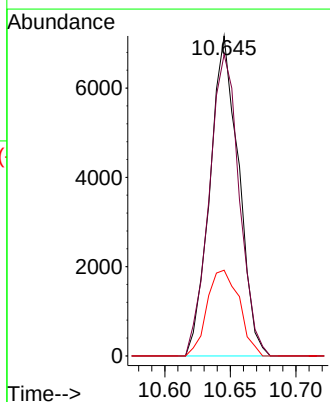
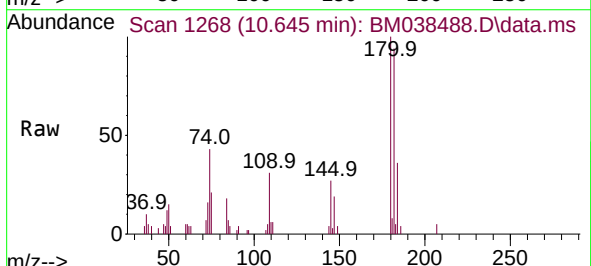
Manual Integrations
APPROVED

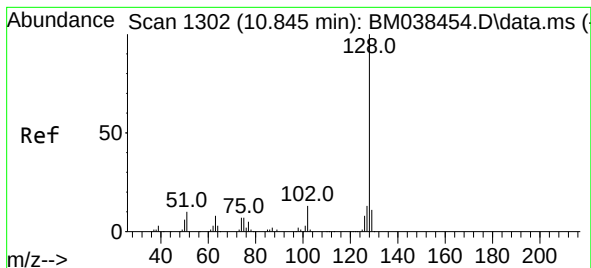
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#30
1,2,4-Trichlorobenzene
Concen: 3.372 ng
RT: 10.645 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

Tgt Ion:180 Resp: 10963
Ion Ratio Lower Upper
180 100
182 94.2 78.1 117.1
145 26.8 21.9 32.9





#31

Naphthalene

Concen: 3.624 ng

RT: 10.833 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

Instrument :

BNA_M

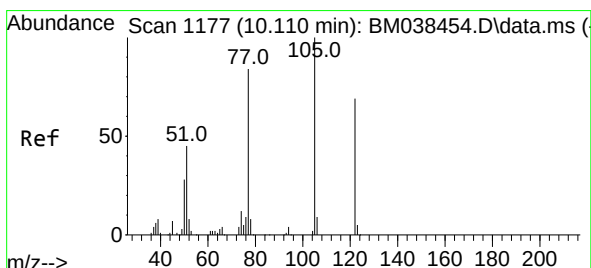
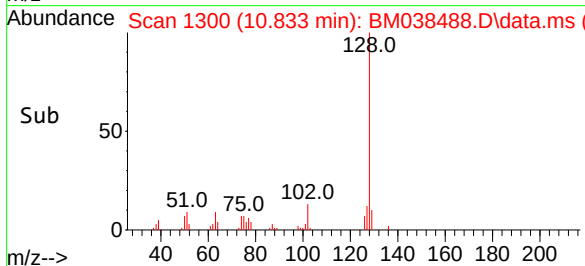
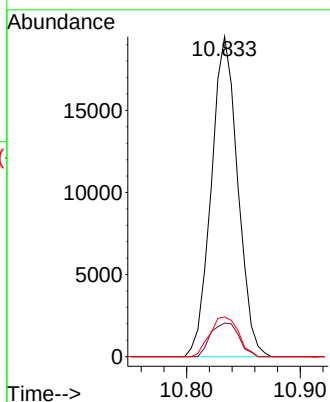
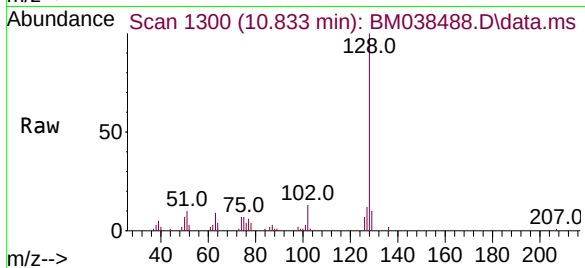
ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion:128 Resp: 31524
 Ion Ratio Lower Upper
 128 100
 129 10.5 8.9 13.3
 127 12.4 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: 6.564 ng m

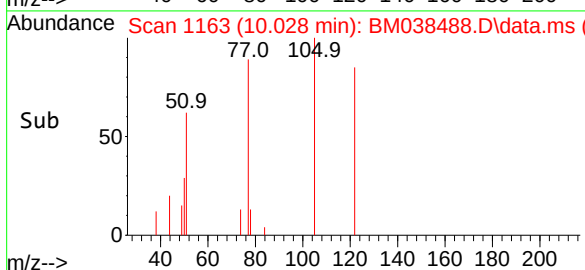
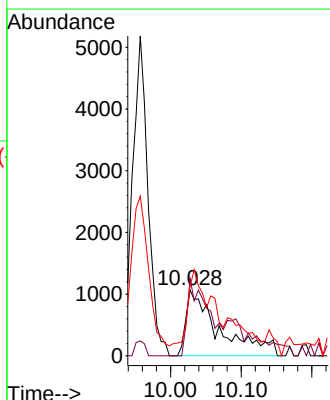
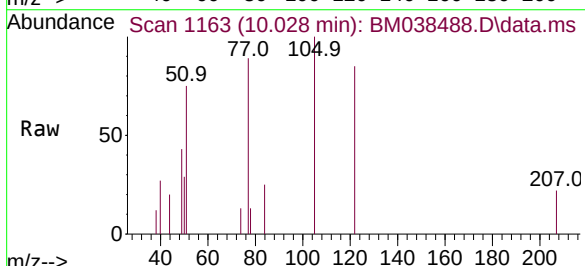
RT: 10.028 min Scan# 1163

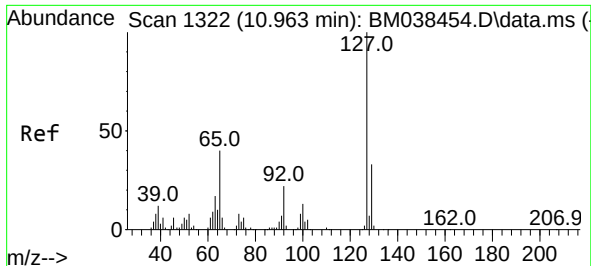
Delta R.T. -0.070 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

Tgt Ion:122 Resp: 3477
 Ion Ratio Lower Upper
 122 100
 105 117.8 122.6 162.6#
 77 105.2 101.5 141.5





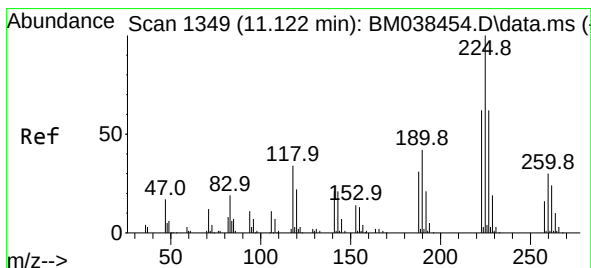
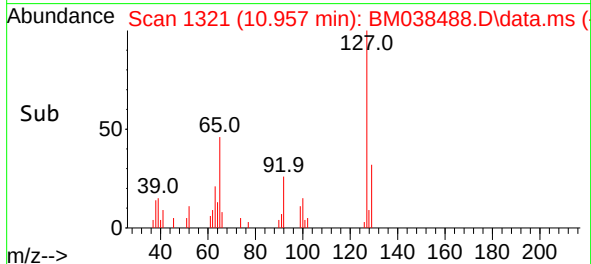
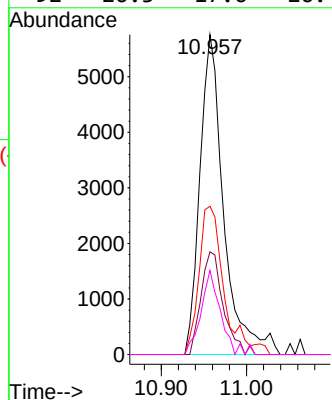
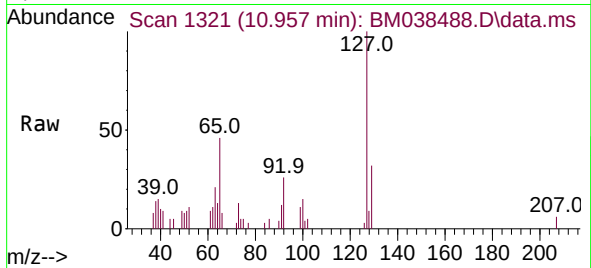
#33
4-Chloroaniline
Concen: 2.927 ng
RT: 10.957 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

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

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.4	39.6
65	46.4	32.1	48.1
92	26.3	17.6	26.4

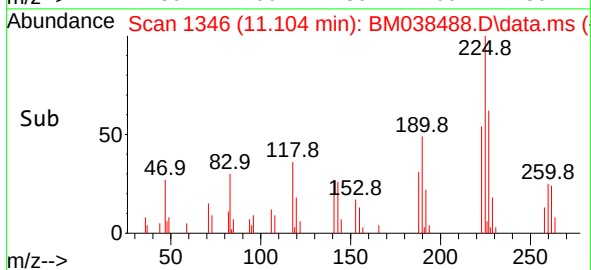
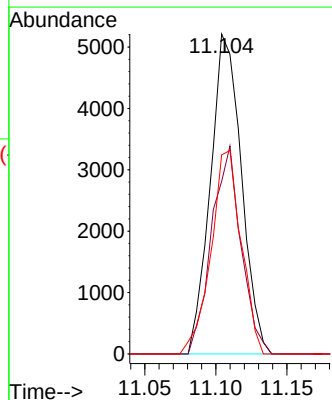
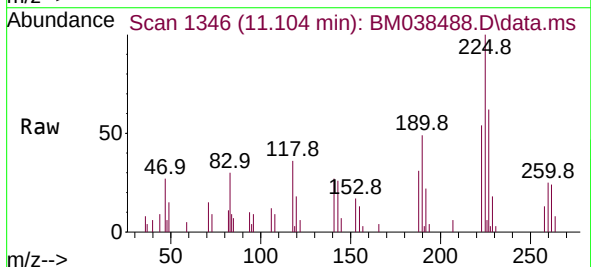
Manual Integrations
APPROVED

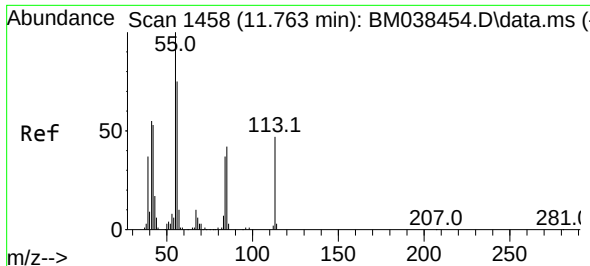
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#34
Hexachlorobutadiene
Concen: 3.473 ng
RT: 11.104 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

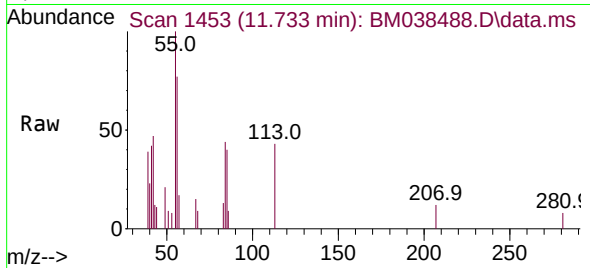
Tgt Ion	Ratio	Lower	Upper
225	100		
223	53.9	49.8	74.8
227	65.2	49.6	74.4





#35
Caprolactam
Concen: 2.175 ng
RT: 11.733 min Scan# 1453
Delta R.T. -0.018 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

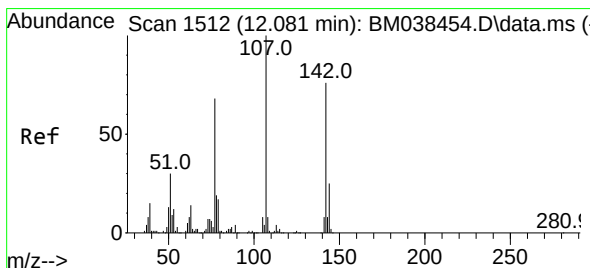
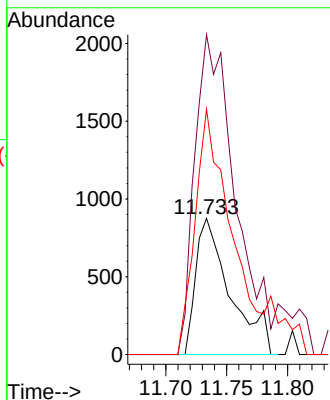
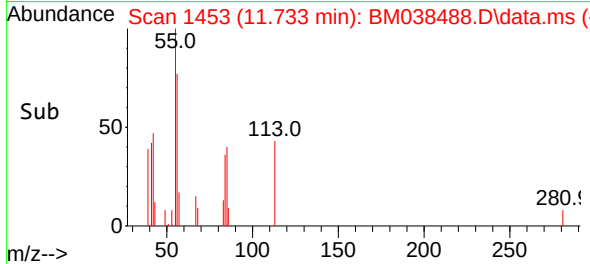
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



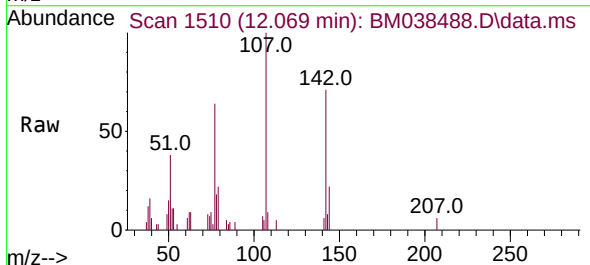
Tgt Ion:113 Resp: 1728
Ion Ratio Lower Upper
113 100
55 234.8 194.2 234.2
56 180.1 141.6 181.6

Manual Integrations
APPROVED

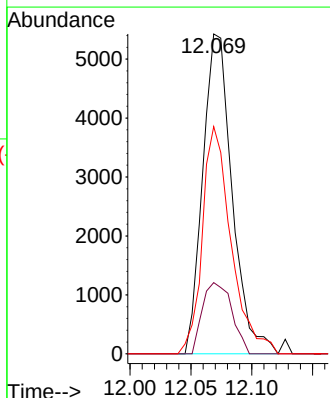
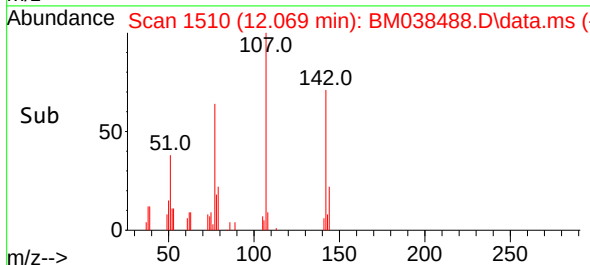
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

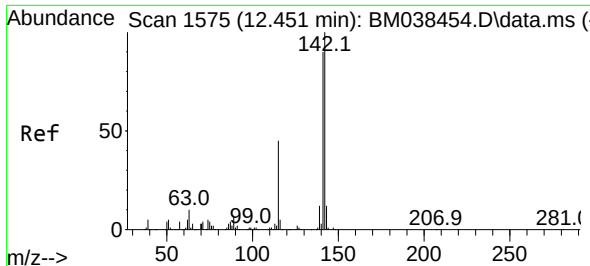


#36
4-Chloro-3-methylphenol
Concen: 2.978 ng
RT: 12.069 min Scan# 1510
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56



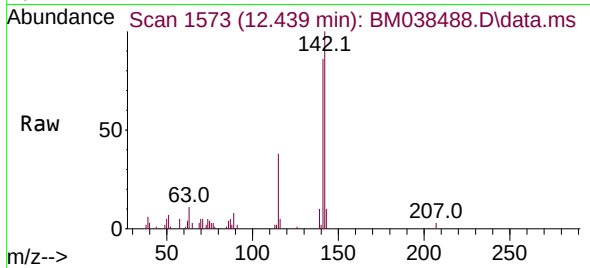
Tgt Ion:107 Resp: 9128
Ion Ratio Lower Upper
107 100
144 22.3 20.3 30.5
142 71.0 61.2 91.8





#37
2-Methylnaphthalene
Concen: 3.150 ng
RT: 12.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

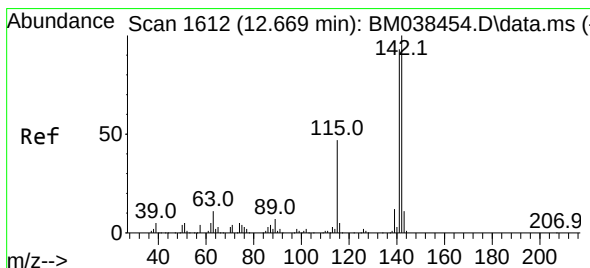
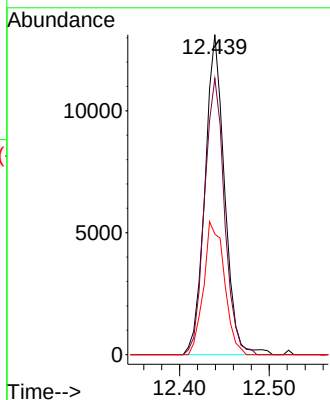
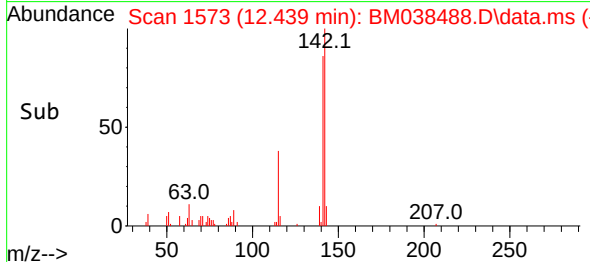
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:142 Resp: 2003
Ion Ratio Lower Upper
142 100
141 86.3 72.0 108.0
115 37.7 35.9 53.9

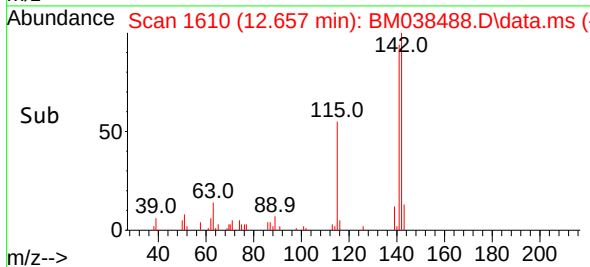
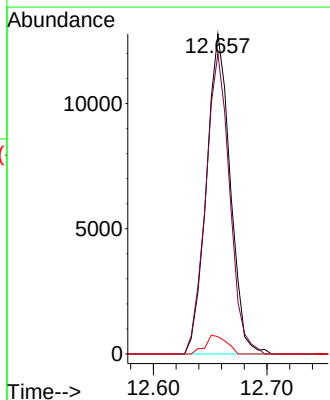
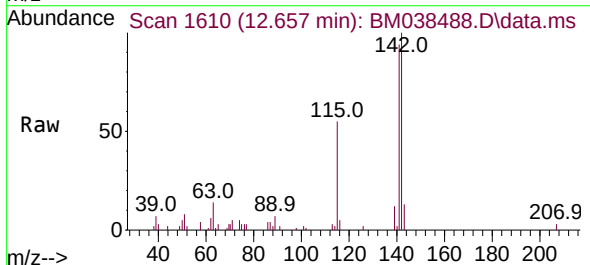
Manual Integrations
APPROVED

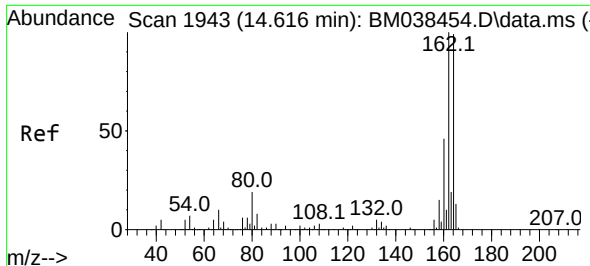
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#38
1-Methylnaphthalene
Concen: 3.120 ng
RT: 12.657 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

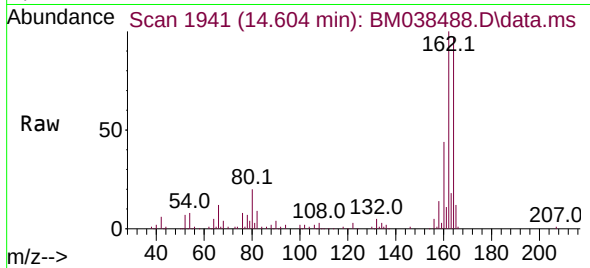
Tgt Ion:142 Resp: 18634
Ion Ratio Lower Upper
142 100
141 93.8 74.4 111.6
116 5.4 3.8 5.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

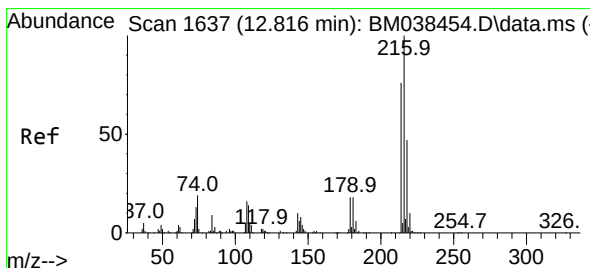
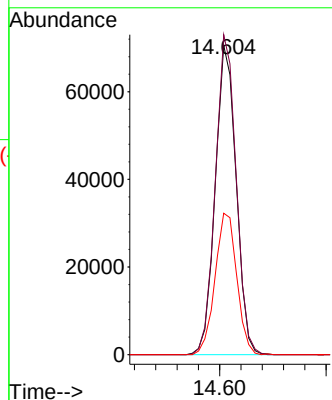
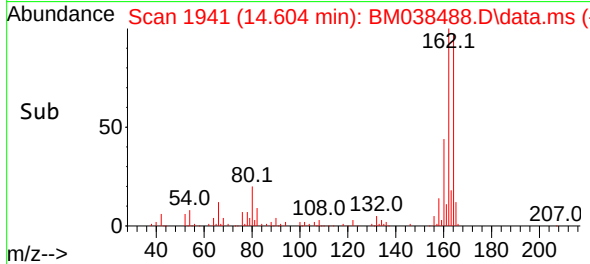
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:164 Resp: 96297
Ion Ratio Lower Upper
164 100
162 103.5 80.9 121.3
160 45.7 37.4 56.0

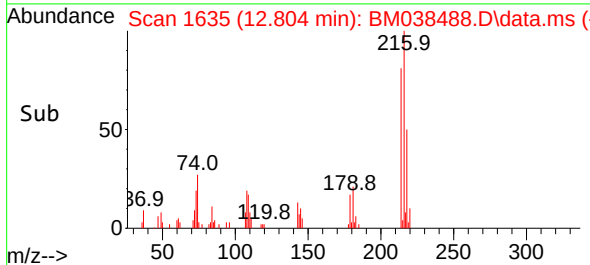
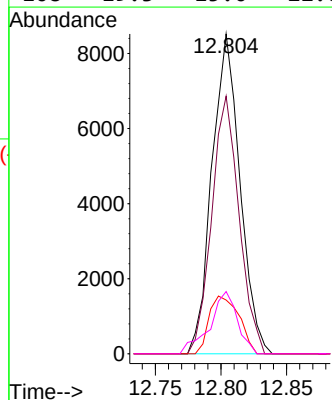
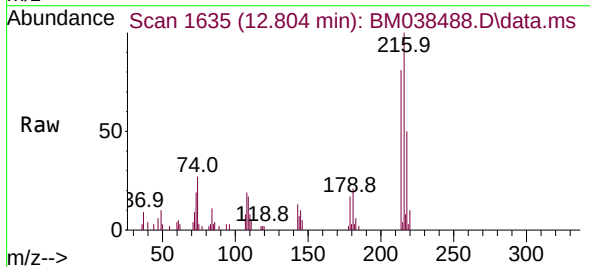
Manual Integrations
APPROVED

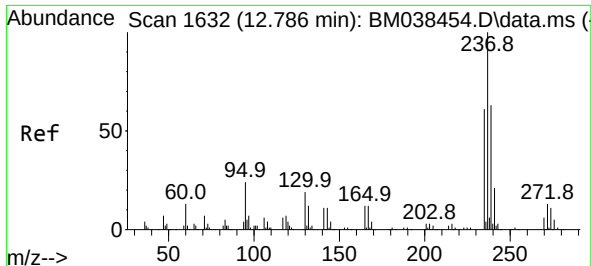
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.519 ng
RT: 12.804 min Scan# 1635
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

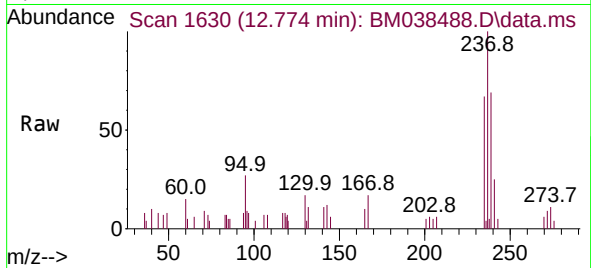
Tgt Ion:216 Resp: 12684
Ion Ratio Lower Upper
216 100
214 78.4 61.4 92.0
179 19.3 15.3 22.9
108 19.3 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 3.031 ng
RT: 12.774 min Scan# 1632
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

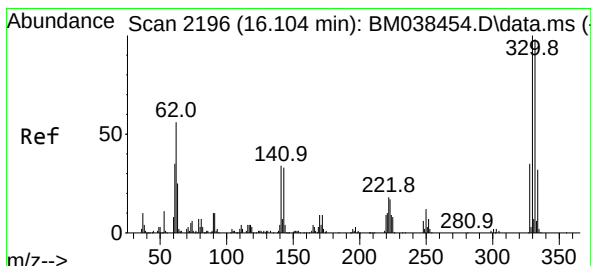
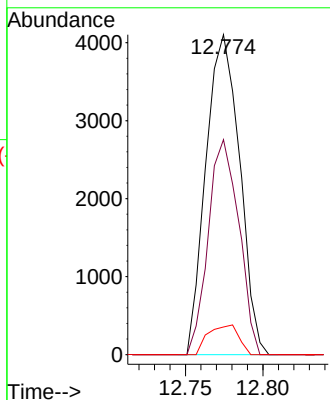
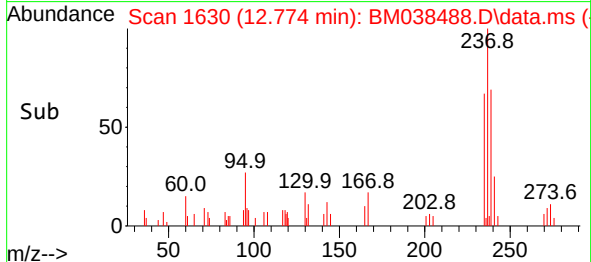
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:237 Resp: 6212
Ion Ratio Lower Upper
237 100
235 67.2 40.9 80.9
272 8.7 0.0 32.6

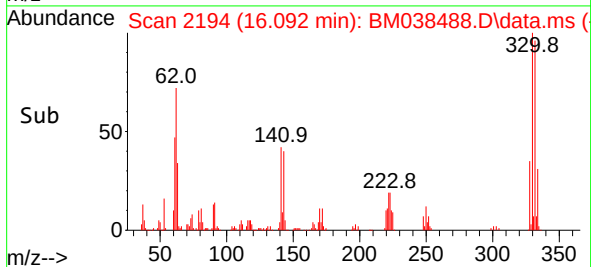
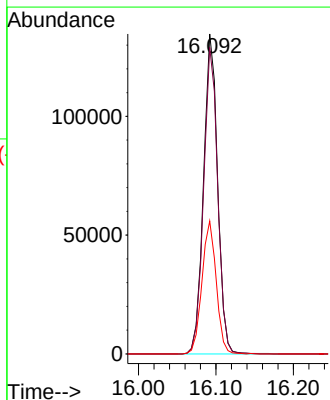
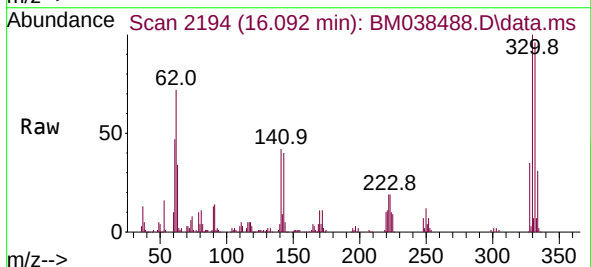
Manual Integrations
APPROVED

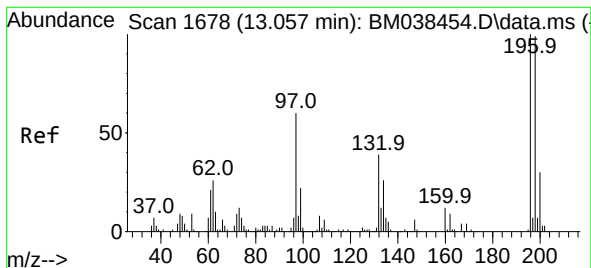
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#42
2,4,6-Tribromophenol
Concen: 104.270 ng
RT: 16.092 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

Tgt Ion:330 Resp: 169741
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.4
141 42.0 28.1 42.1





#43

2,4,6-Trichlorophenol

Concen: 3.094 ng

RT: 13.051 min Scan# 1677

Delta R.T. 0.000 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

Instrument :

BNA_M

ClientSampleId :

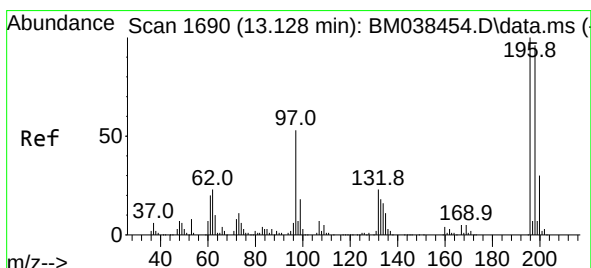
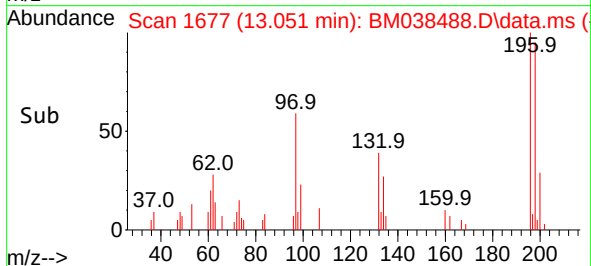
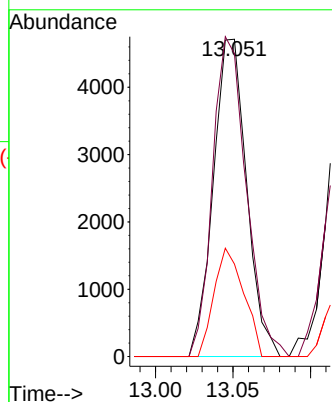
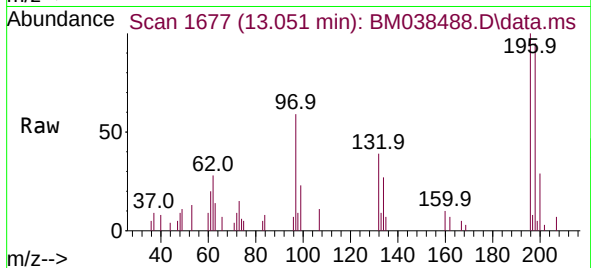
MDL-SOIL-03-QT3-2022

Tgt Ion:196	Resp:	7049
Ion Ratio	Lower	Upper
196	100	
198	95.4	78.8 118.2
200	29.2	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: 2.757 ng

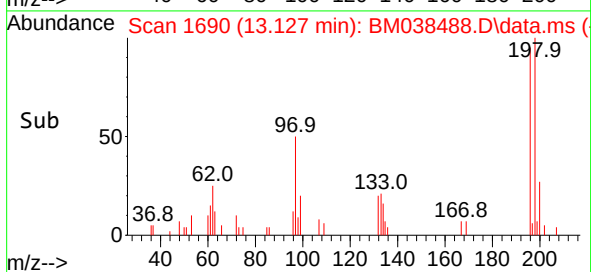
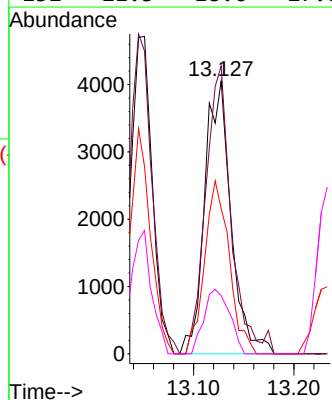
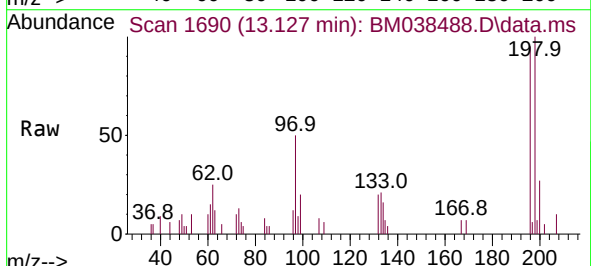
RT: 13.127 min Scan# 1690

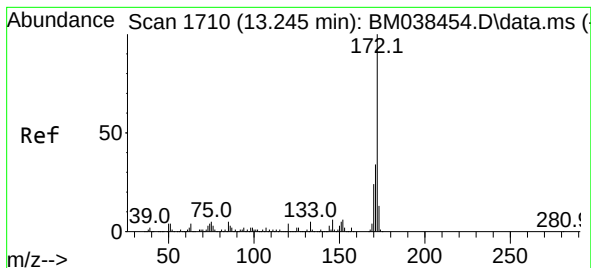
Delta R.T. 0.006 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

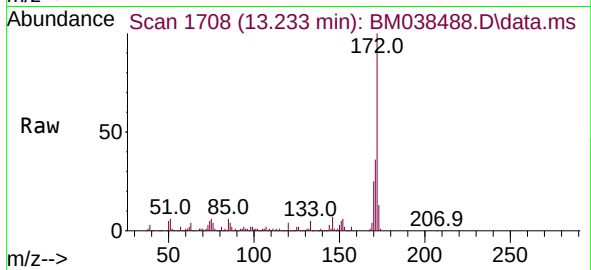
Tgt Ion:196	Resp:	7406
Ion Ratio	Lower	Upper
196	100	
198	105.5	77.4 116.2
97	53.2	42.4 63.6
132	21.3	18.6 27.8





#45
2-Fluorobiphenyl
Concen: 76.426 ng
RT: 13.233 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

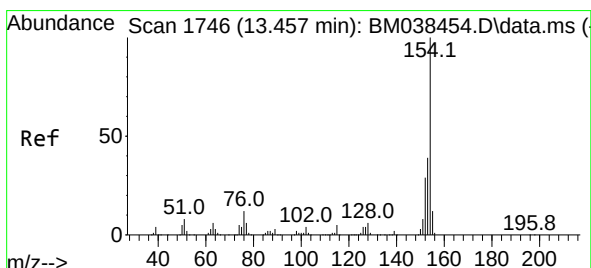
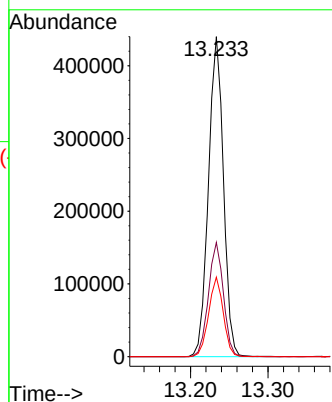
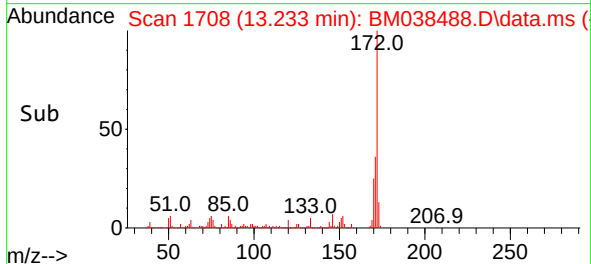
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



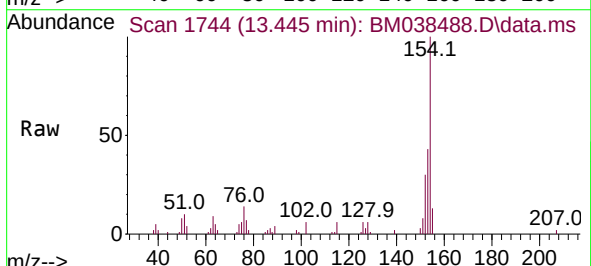
Tgt Ion:172 Resp: 590134
Ion Ratio Lower Upper
172 100
171 35.7 27.5 41.3
170 24.8 19.0 28.6

Manual Integrations
APPROVED

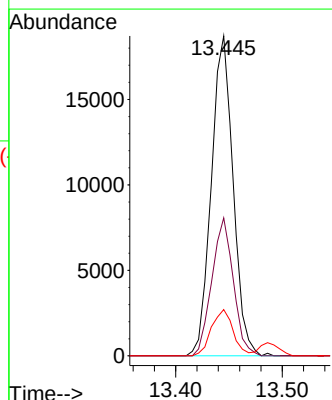
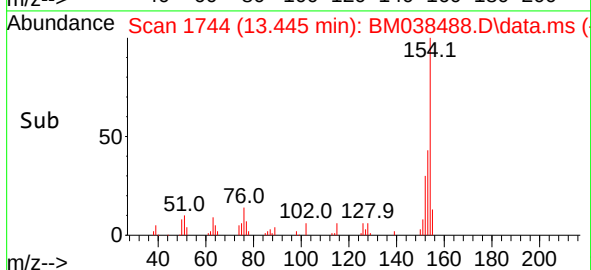
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

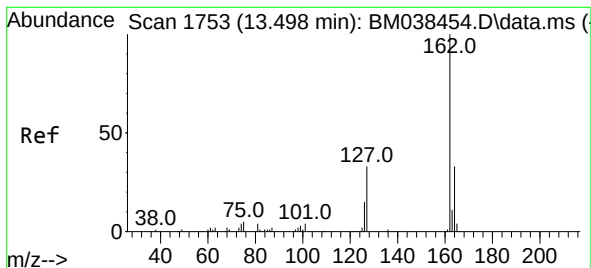


#46
1,1'-Biphenyl
Concen: 3.562 ng
RT: 13.445 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56



Tgt Ion:154 Resp: 26608
Ion Ratio Lower Upper
154 100
153 43.1 19.3 59.3
76 14.5 0.0 32.2





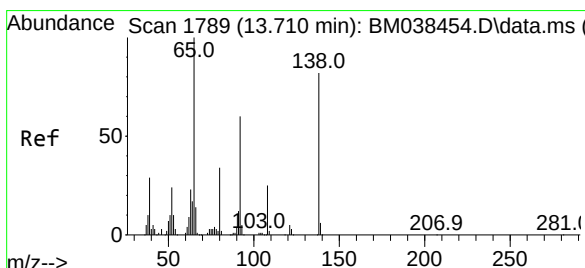
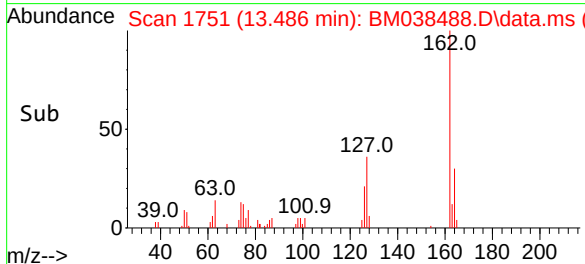
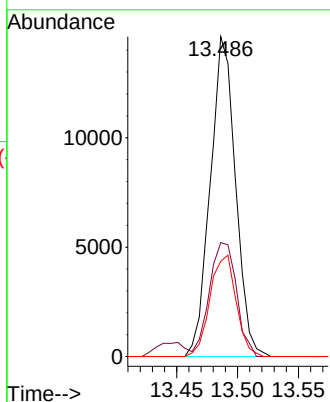
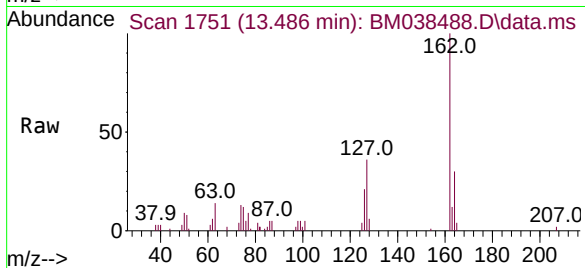
#47
2-Chloronaphthalene
Concen: 3.584 ng
RT: 13.486 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

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

Tgt Ion:162 Resp: 21076
Ion Ratio Lower Upper
162 100
127 35.6 29.5 44.3
164 29.8 26.2 39.4

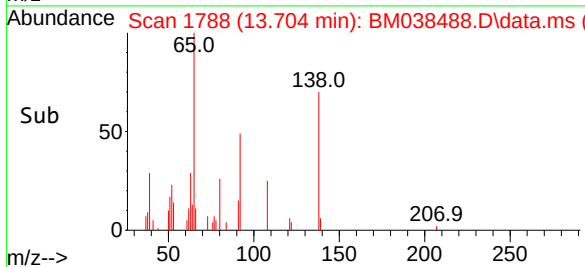
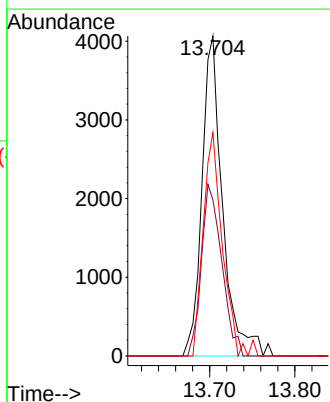
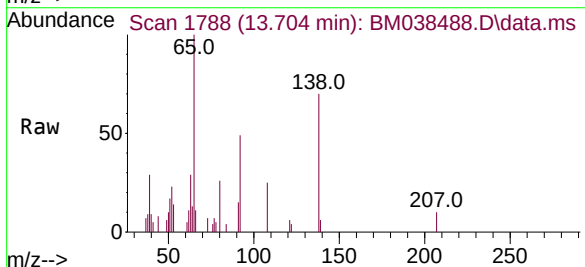
Manual Integrations
APPROVED

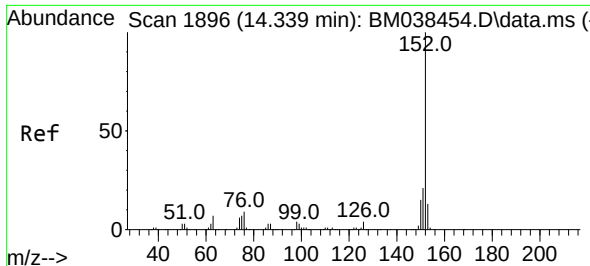
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#48
2-Nitroaniline
Concen: 5.049 ng
RT: 13.704 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

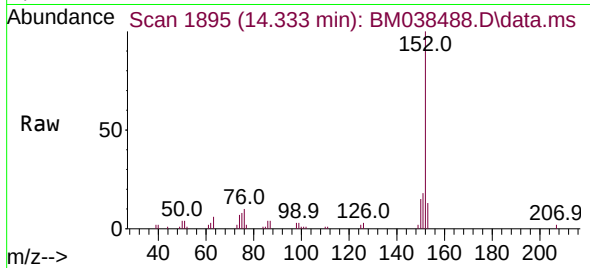
Tgt Ion: 65 Resp: 6865
Ion Ratio Lower Upper
65 100
92 48.7 47.6 71.4
138 69.8 65.8 98.8





#49
Acenaphthylene
Concen: 3.195 ng
RT: 14.333 min Scan# 1895
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

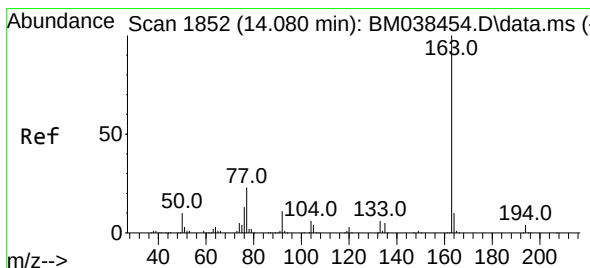
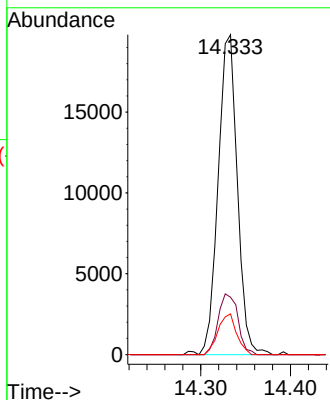
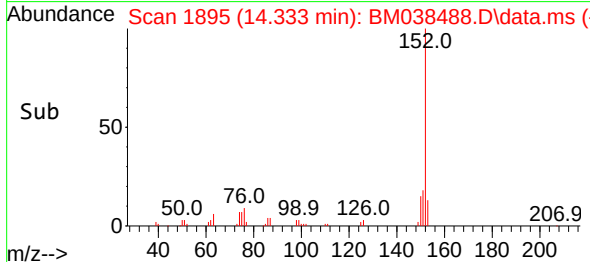
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



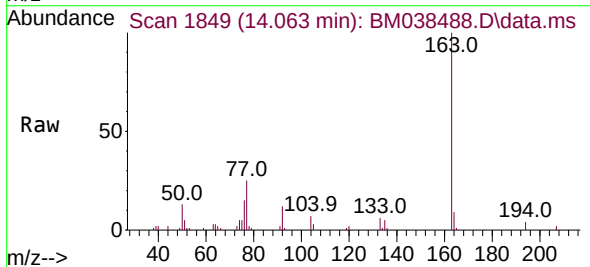
Tgt Ion:152 Resp: 29623
Ion Ratio Lower Upper
152 100
151 17.9 16.4 24.6
153 12.7 10.6 15.8

Manual Integrations
APPROVED

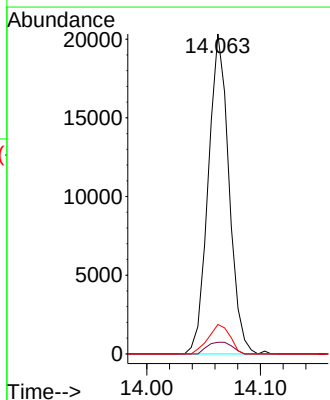
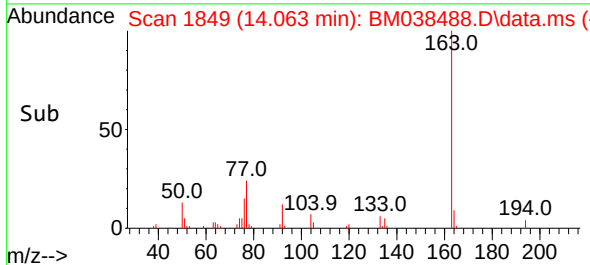
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

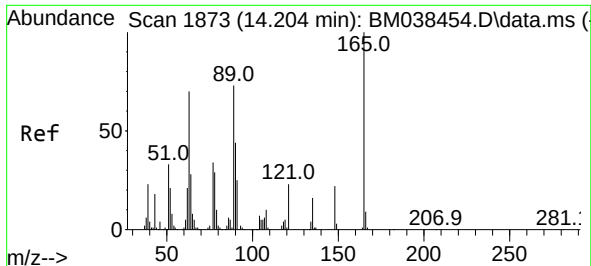


#50
Dimethylphthalate
Concen: 3.308 ng
RT: 14.063 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56



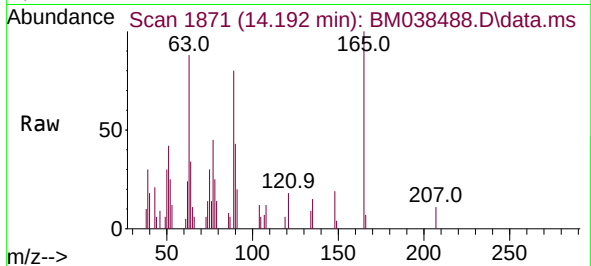
Tgt Ion:163 Resp: 25814
Ion Ratio Lower Upper
163 100
194 3.6 3.6 5.4
164 9.2 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 2.880 ng
RT: 14.192 min Scan# 1873
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

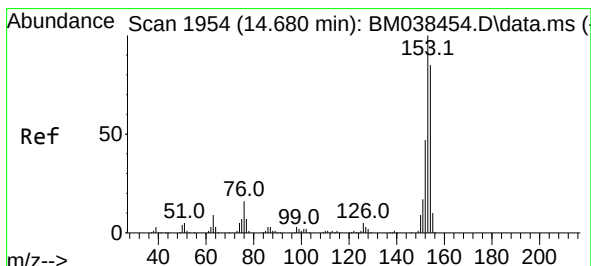
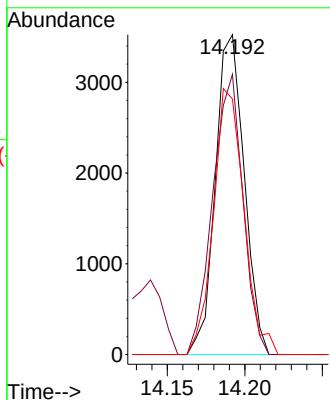
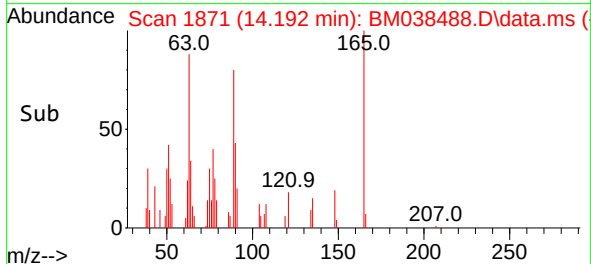
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:165 Resp: 4573
Ion Ratio Lower Upper
165 100
63 87.6 60.9 91.3
89 79.9 58.6 87.8

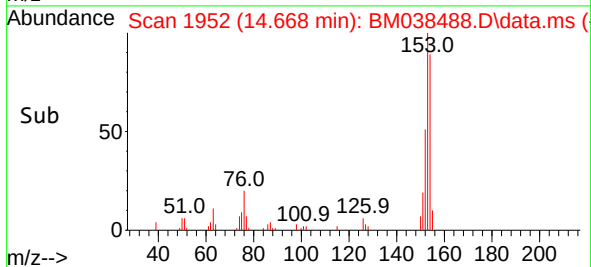
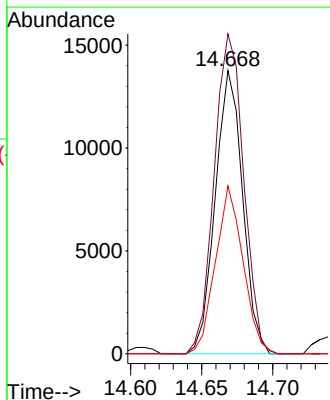
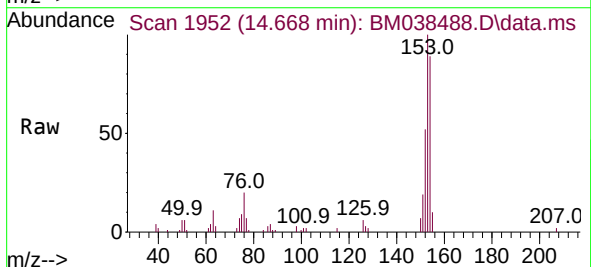
Manual Integrations
APPROVED

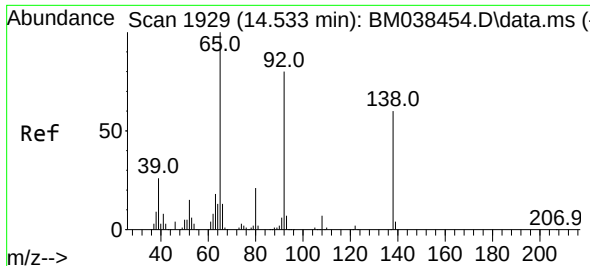
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#52
Acenaphthene
Concen: 3.280 ng
RT: 14.668 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

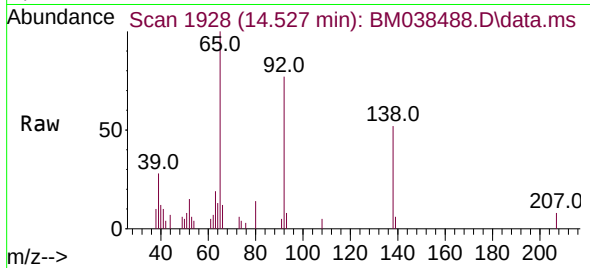
Tgt Ion:154 Resp: 18477
Ion Ratio Lower Upper
154 100
153 112.9 93.8 140.6
152 59.3 44.2 66.4





#53
3-Nitroaniline
Concen: 4.681 ng
RT: 14.527 min Scan# 1928
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

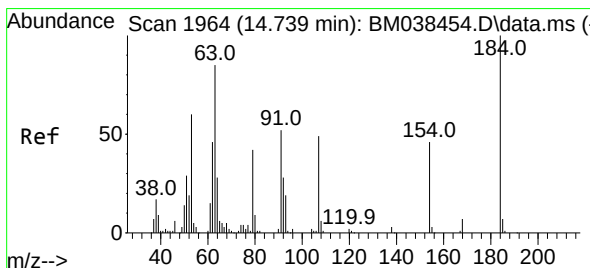
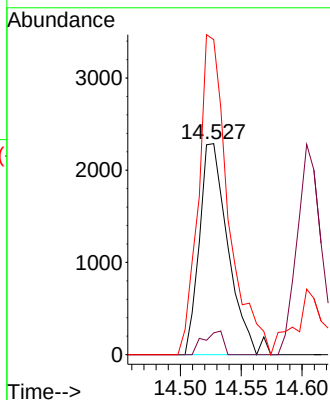
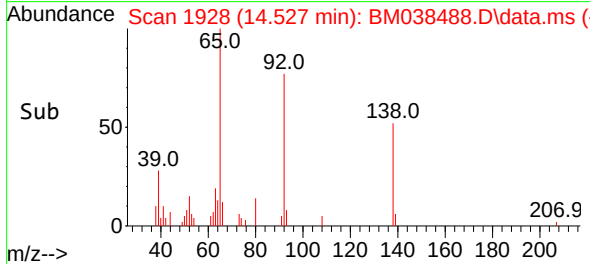
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:138 Resp: 3756
Ion Ratio Lower Upper
138 100
108 10.3 8.9 13.3
92 149.3 106.4 159.6

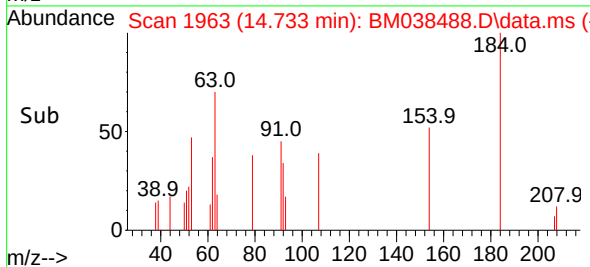
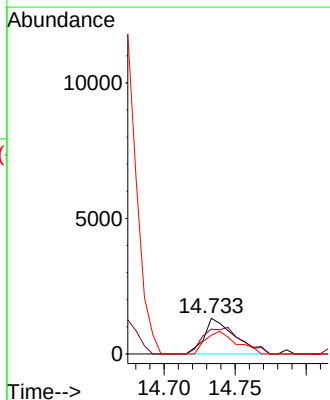
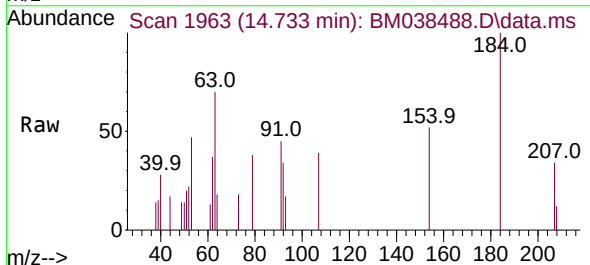
Manual Integrations
APPROVED

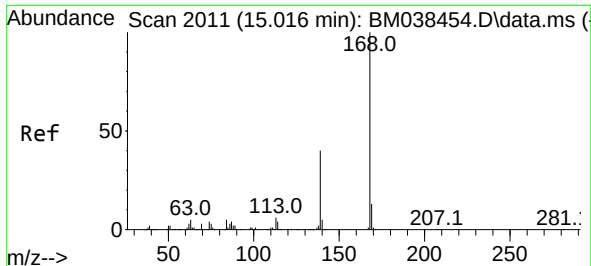
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#54
2,4-Dinitrophenol
Concen: 6.871 ng
RT: 14.733 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

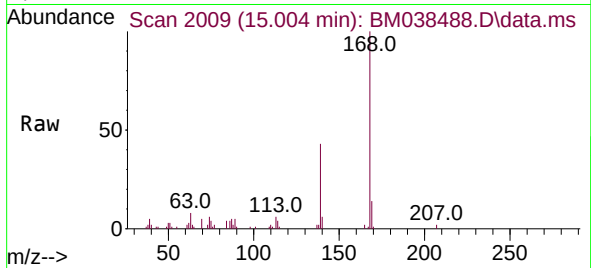
Tgt Ion:184 Resp: 1968
Ion Ratio Lower Upper
184 100
63 69.5 70.0 105.0#
154 52.5 55.6 83.4#





#55
Dibenzofuran
Concen: 3.356 ng
RT: 15.004 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

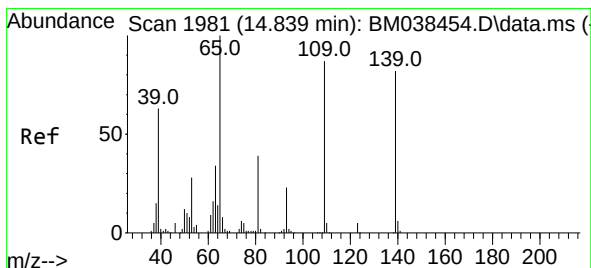
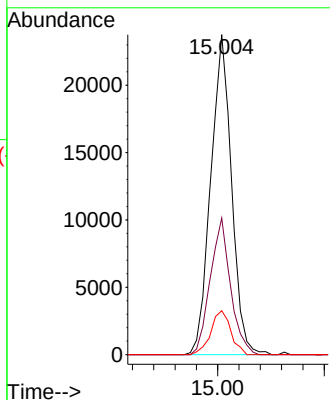
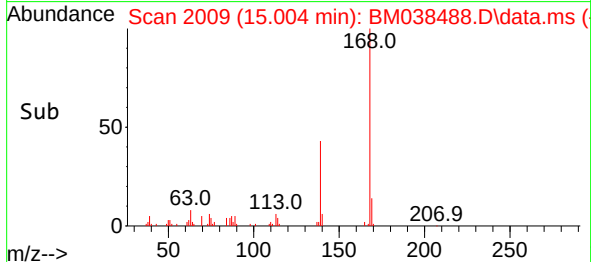
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:168 Resp: 32193
Ion Ratio Lower Upper
168 100
139 42.7 31.9 47.9
169 13.8 10.5 15.7

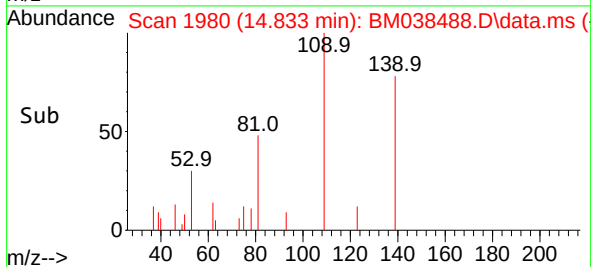
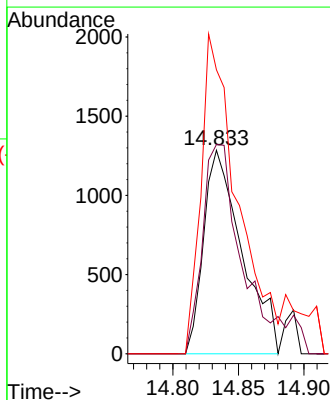
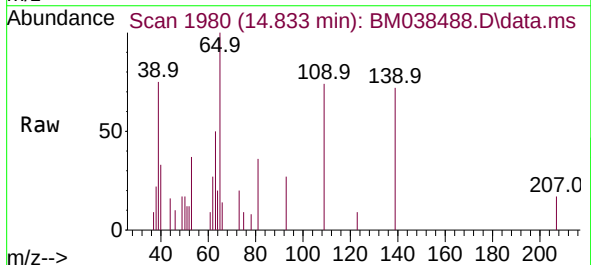
Manual Integrations
APPROVED

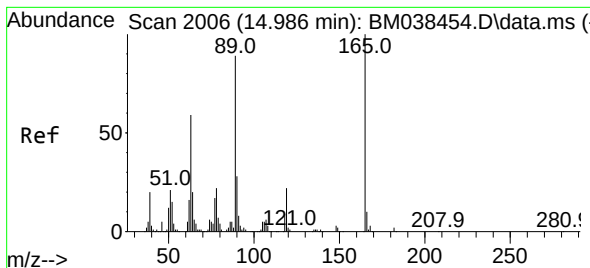
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#56
4-Nitrophenol
Concen: 5.679 ng
RT: 14.833 min Scan# 1980
Delta R.T. 0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

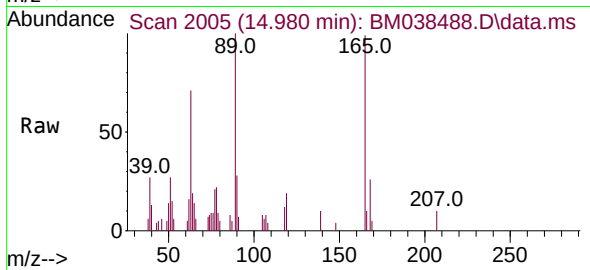
Tgt Ion:139 Resp: 2620
Ion Ratio Lower Upper
139 100
109 102.8 86.0 126.0
65 139.5 102.7 142.7





#57
2,4-Dinitrotoluene
Concen: 2.644 ng
RT: 14.980 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

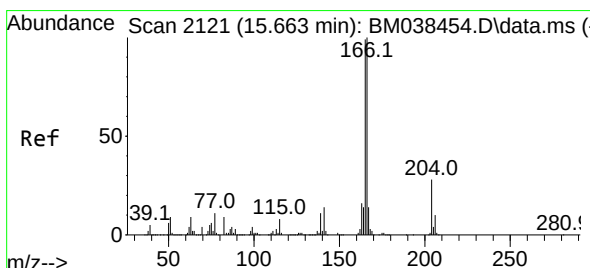
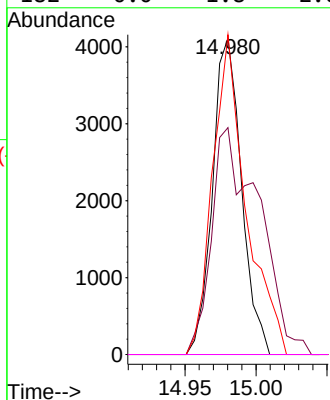
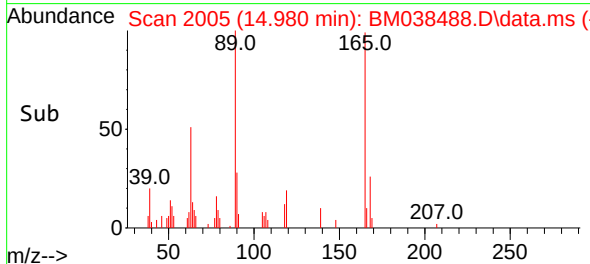
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



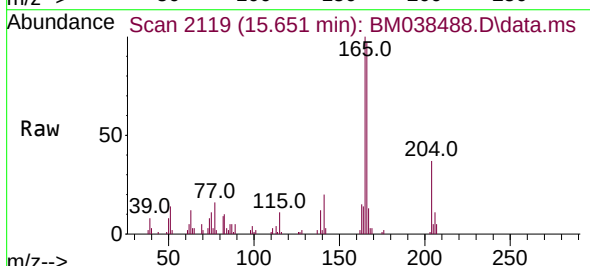
Tgt Ion:165 Resp: 5836
Ion Ratio Lower Upper
165 100
63 71.7 47.7 71.5
89 101.1 71.5 107.3
182 0.0 1.8 2.6#

Manual Integrations
APPROVED

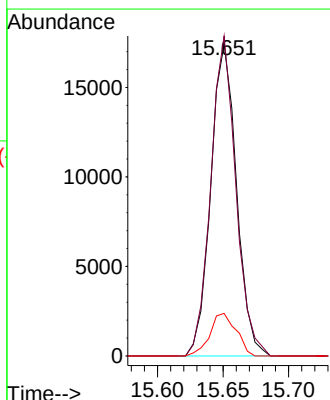
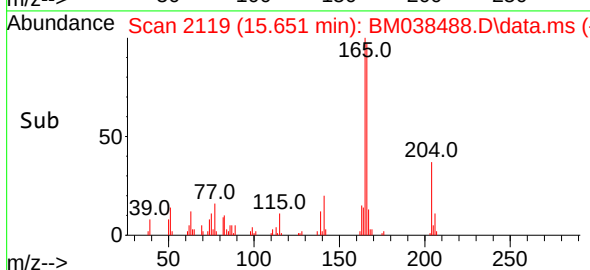
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

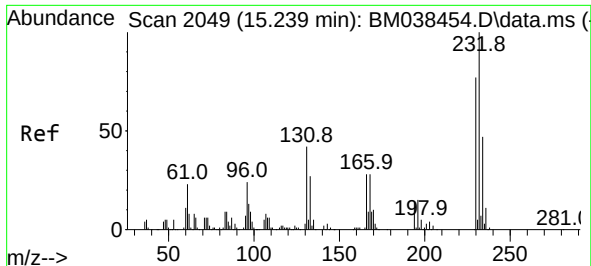


#58
Fluorene
Concen: 2.967 ng
RT: 15.651 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56



Tgt Ion:166 Resp: 23782
Ion Ratio Lower Upper
166 100
165 102.7 79.2 118.8
167 13.7 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 2.837 ng

RT: 15.227 min Scan# 2047

Delta R.T. -0.006 min

Lab File: BM038488.D

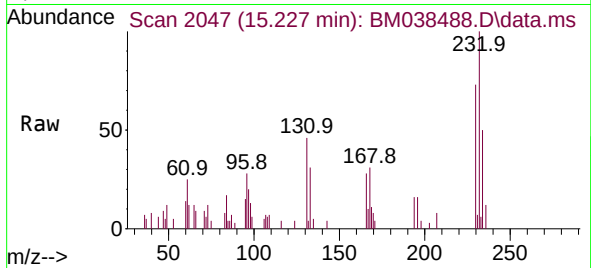
Acq: 19 Jan 2023 13:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion:232 Resp: 6758

Ion Ratio Lower Upper

232 100

131 43.5 33.8 50.6

130 0.9 1.9 2.9

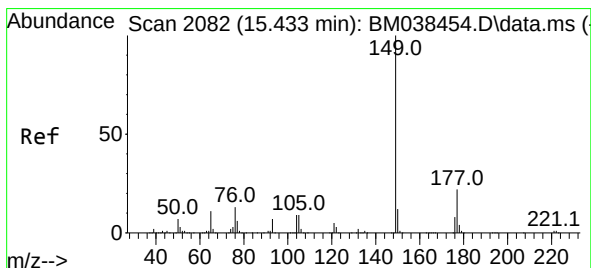
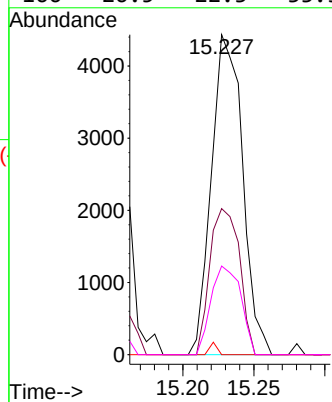
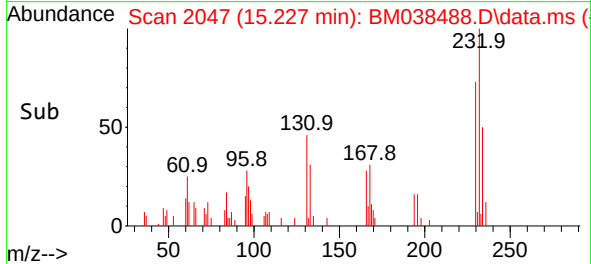
166 26.5 22.3 33.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023

Supervised By :Jagrut Upadhyay 01/20/2023



#60

Diethylphthalate

Concen: 3.044 ng

RT: 15.421 min Scan# 2080

Delta R.T. 0.000 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

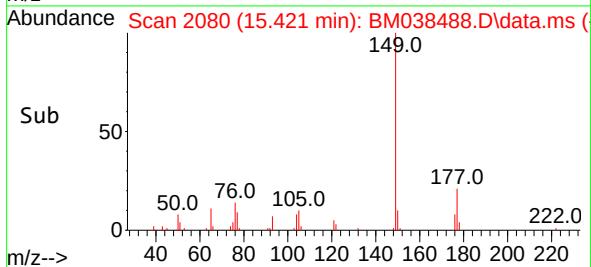
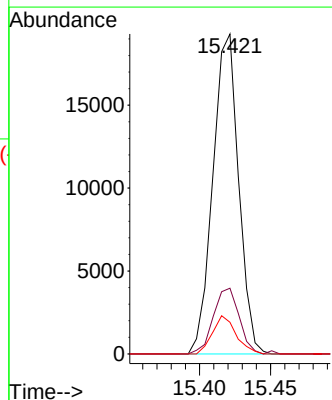
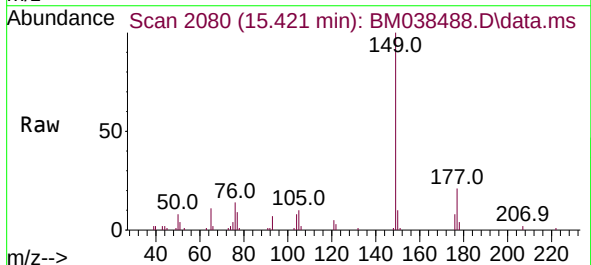
Tgt Ion:149 Resp: 24369

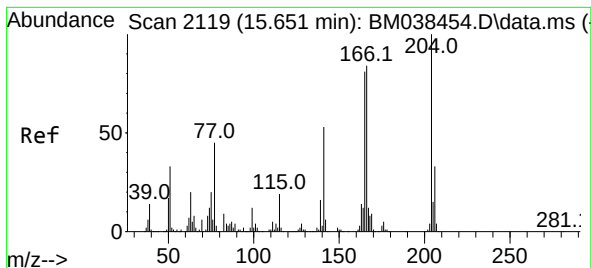
Ion Ratio Lower Upper

149 100

177 20.6 17.8 26.6

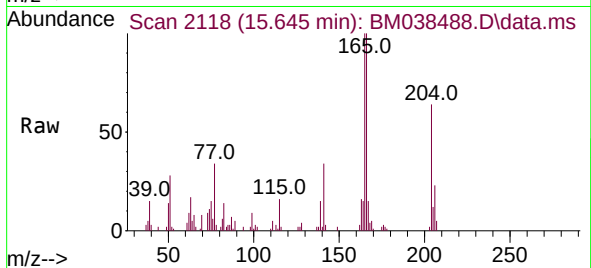
150 9.9 9.5 14.3





#61
4-Chlorophenyl-phenylether
Concen: 3.003 ng
RT: 15.645 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

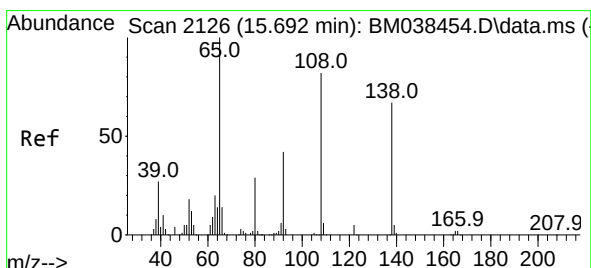
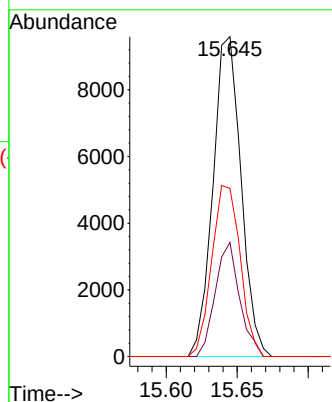
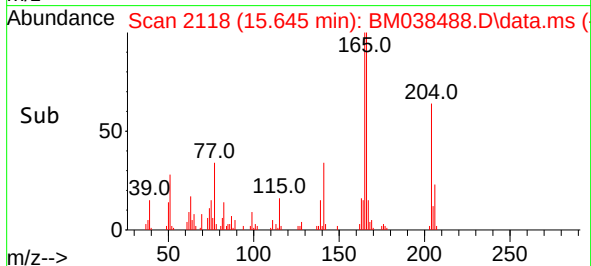
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:204 Resp: 13212
Ion Ratio Lower Upper
204 100
206 35.7 26.2 39.4
141 52.6 42.5 63.7

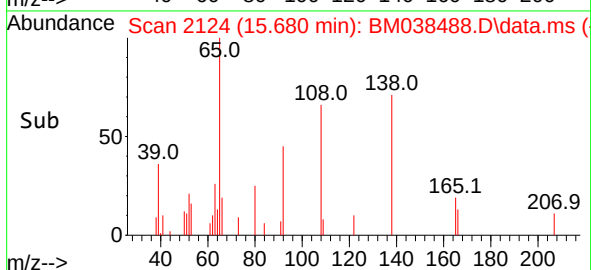
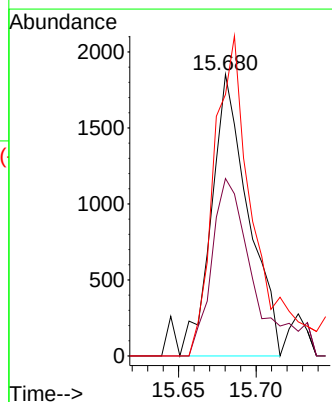
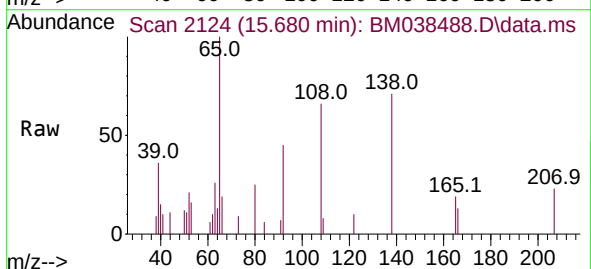
Manual Integrations
APPROVED

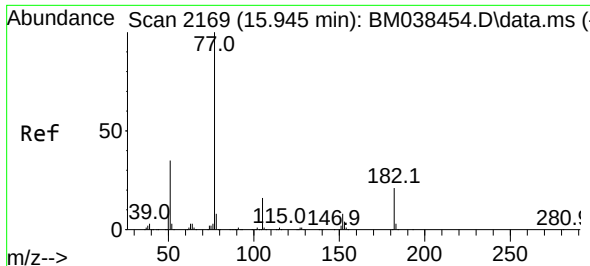
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#62
4-Nitroaniline
Concen: 4.476 ng
RT: 15.680 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

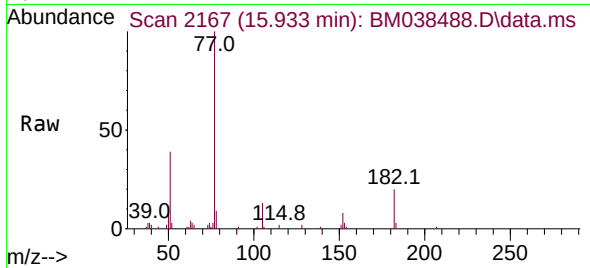
Tgt Ion:138 Resp: 3061
Ion Ratio Lower Upper
138 100
92 63.0 42.1 82.1
108 92.8 102.5 142.5#





#63
Azobenzene
Concen: 3.226 ng
RT: 15.933 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

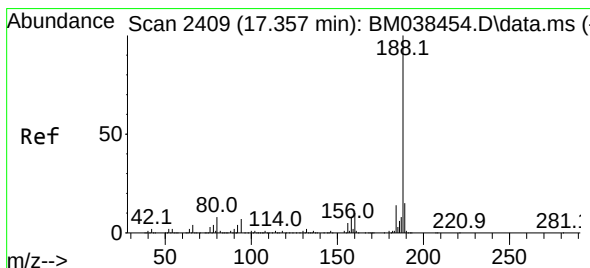
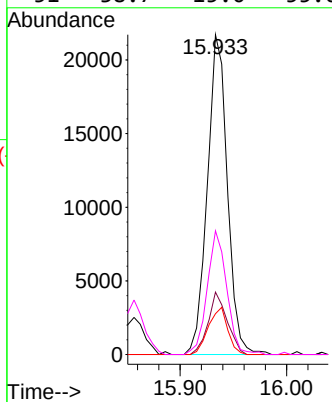
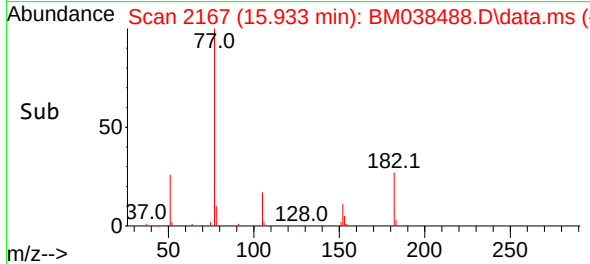
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



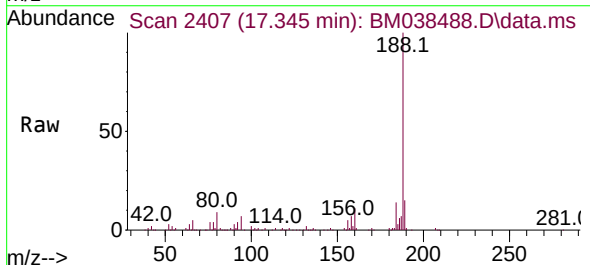
Tgt Ion: 77 Resp: 28416
Ion Ratio Lower Upper
77 100
182 19.5 1.1 41.1
105 12.8 0.0 36.4
51 38.7 15.0 55.0

Manual Integrations
APPROVED

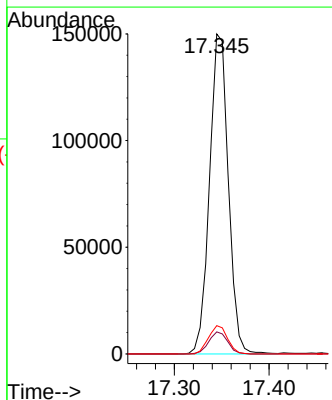
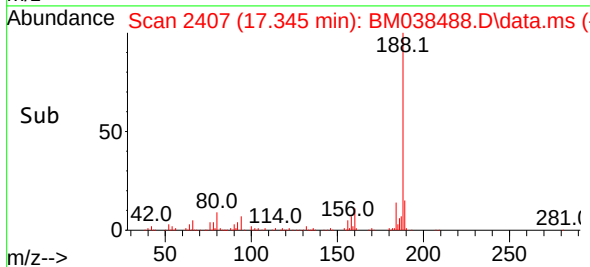
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

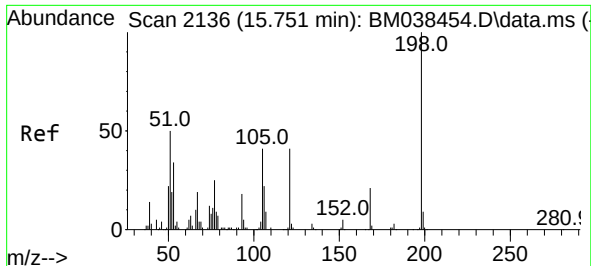


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56



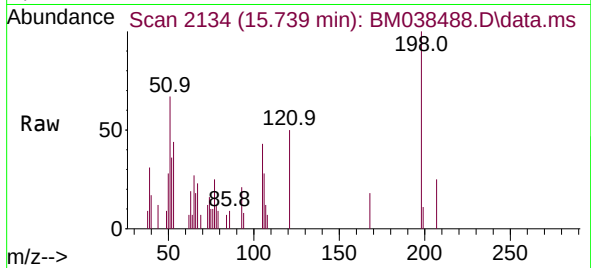
Tgt Ion:188 Resp: 207341
Ion Ratio Lower Upper
188 100
94 6.9 5.4 8.0
80 8.8 6.5 9.7





#65
4,6-Dinitro-2-methylphenol
Concen: 2.274 ng
RT: 15.739 min Scan# 2136
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

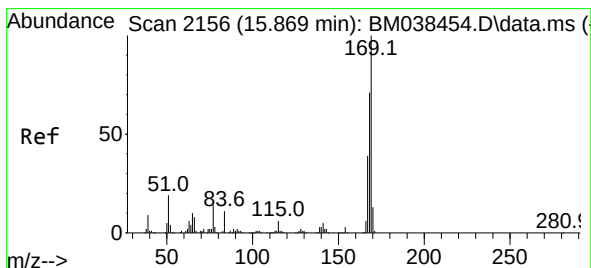
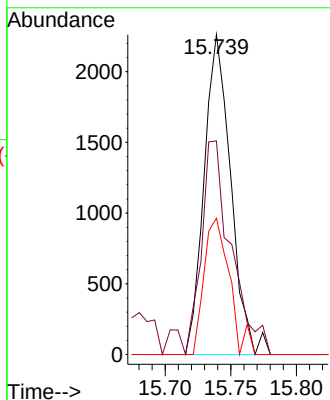
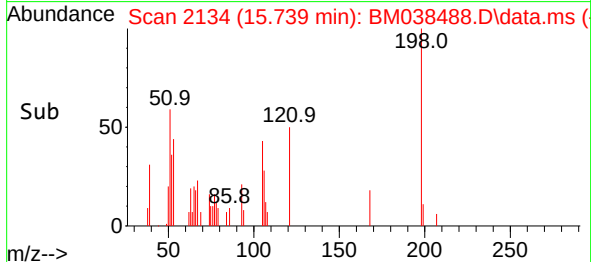
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:198 Resp: 3200
Ion Ratio Lower Upper
198 100
51 66.8 31.6 71.6
105 42.6 21.5 61.5

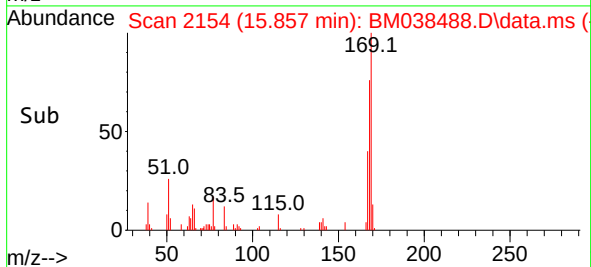
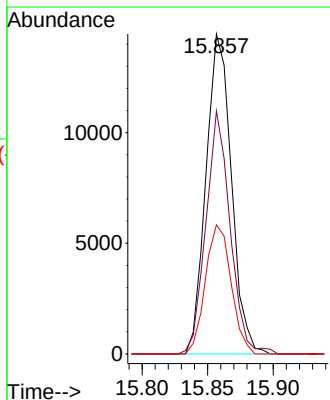
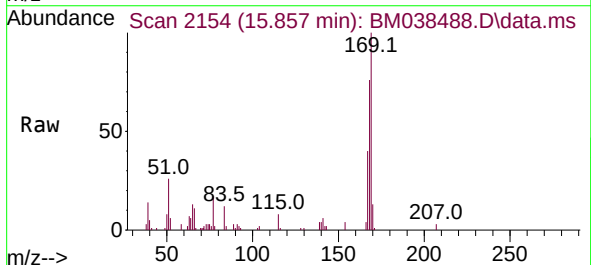
Manual Integrations
APPROVED

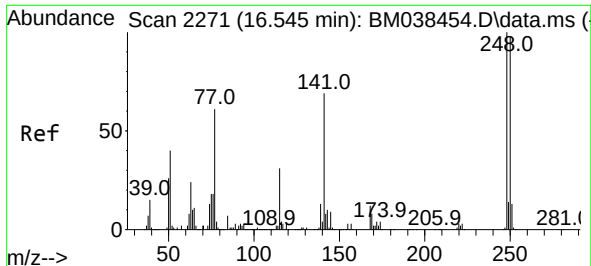
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#66
n-Nitrosodiphenylamine
Concen: 3.199 ng
RT: 15.857 min Scan# 2154
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

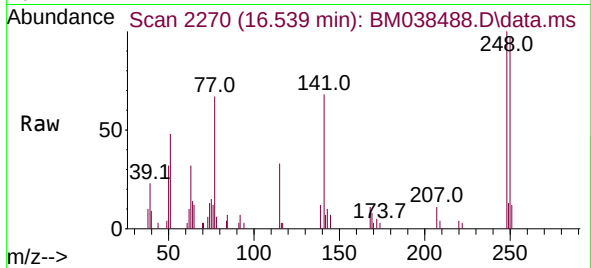
Tgt Ion:169 Resp: 19462
Ion Ratio Lower Upper
169 100
168 75.9 56.6 85.0
167 40.3 31.1 46.7





#67
4-Bromophenyl-phenylether
Concen: 3.208 ng
RT: 16.539 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

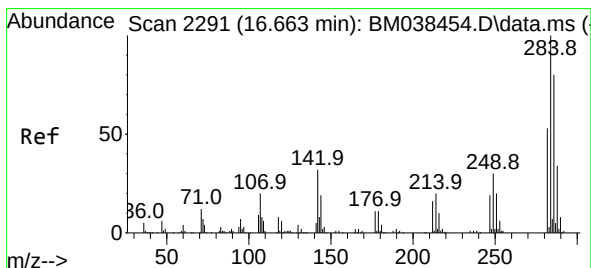
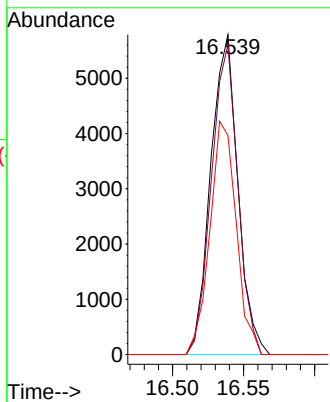
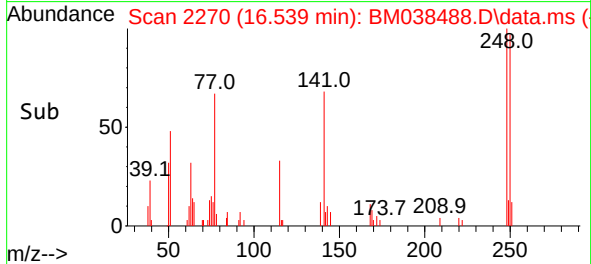
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



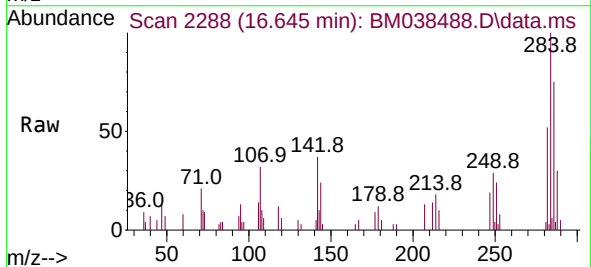
Tgt Ion:248 Resp: 7695
Ion Ratio Lower Upper
248 100
250 96.9 78.3 117.5
141 68.5 55.1 82.7

Manual Integrations
APPROVED

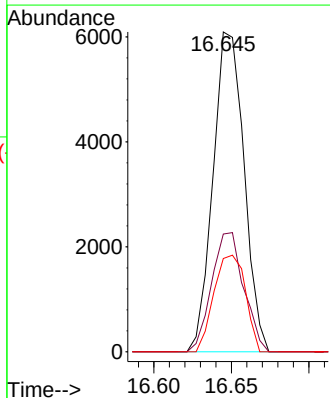
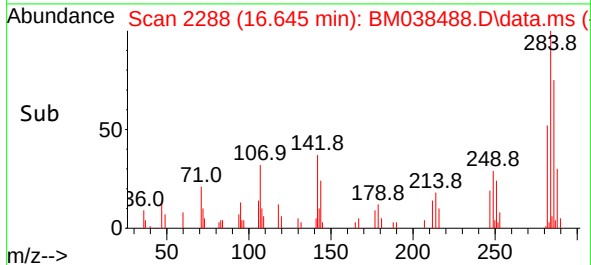
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

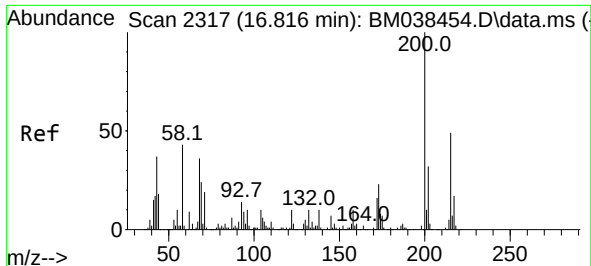


#68
Hexachlorobenzene
Concen: 3.165 ng
RT: 16.645 min Scan# 2288
Delta R.T. -0.012 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56



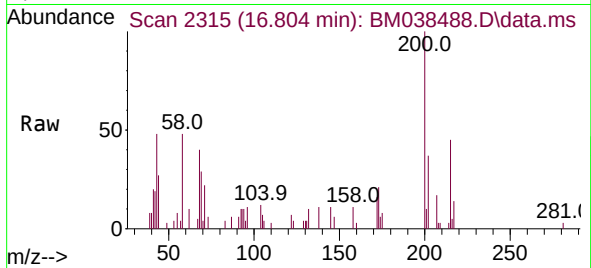
Tgt Ion:284 Resp: 8499
Ion Ratio Lower Upper
284 100
142 36.8 26.0 39.0
249 29.2 23.8 35.8





#69
 Atrazine
 Concen: 3.293 ng
 RT: 16.804 min Scan# 2315
 Delta R.T. -0.006 min
 Lab File: BM038488.D
 Acq: 19 Jan 2023 13:56

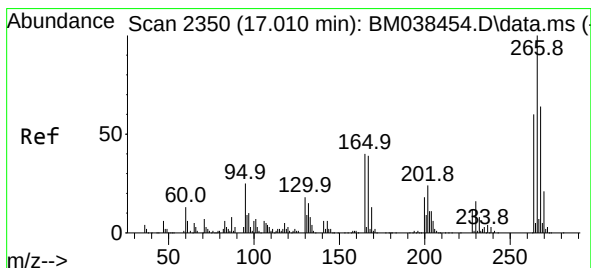
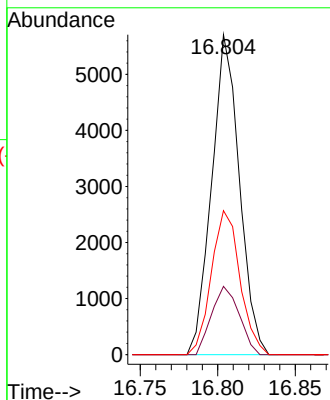
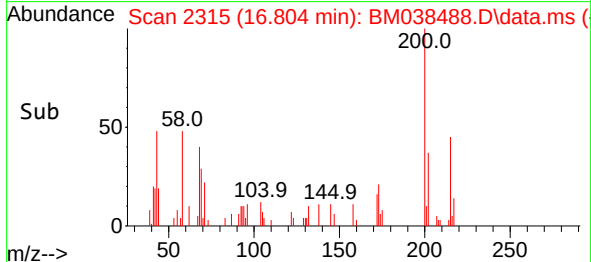
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2022



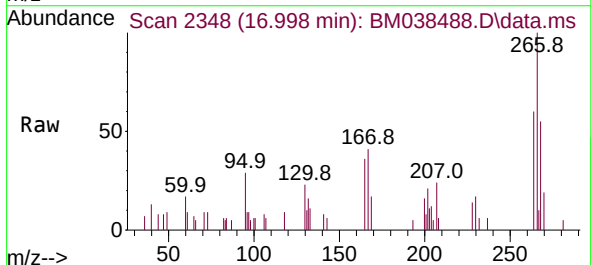
Tgt Ion:200 Resp: 7084
 Ion Ratio Lower Upper
 200 100
 173 21.4 3.4 43.4
 215 45.0 29.3 69.3

Manual Integrations
 APPROVED

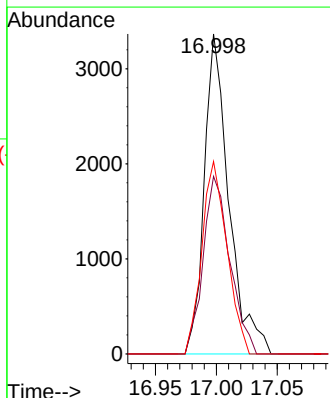
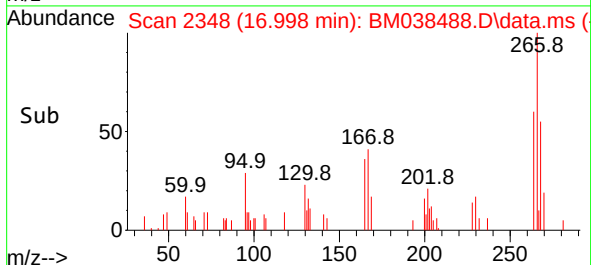
Reviewed By :Christian Giraldo 01/20/2023
 Supervised By :Jagrut Upadhyay 01/20/2023

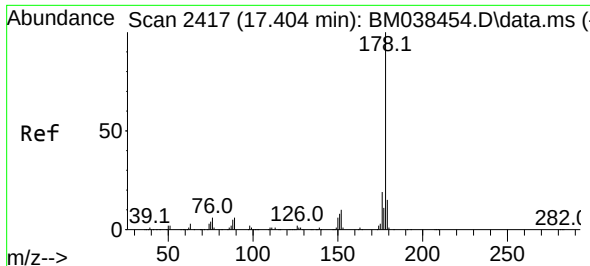


#70
 Pentachlorophenol
 Concen: 2.413 ng
 RT: 16.998 min Scan# 2348
 Delta R.T. 0.000 min
 Lab File: BM038488.D
 Acq: 19 Jan 2023 13:56



Tgt Ion:266 Resp: 4731
 Ion Ratio Lower Upper
 266 100
 268 55.5 51.4 77.0
 264 60.1 48.2 72.2





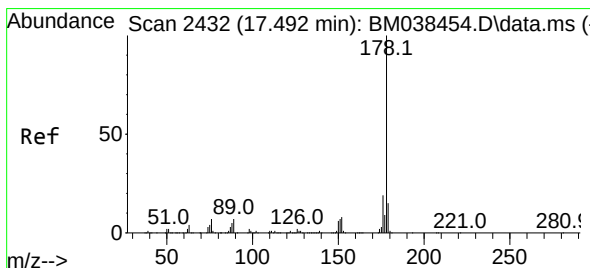
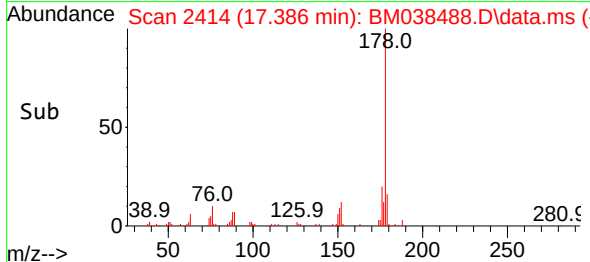
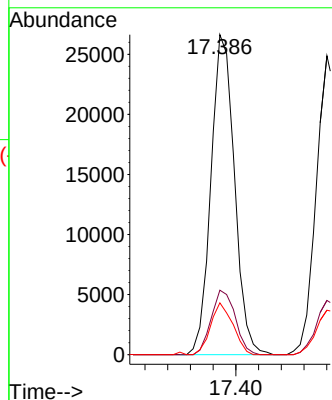
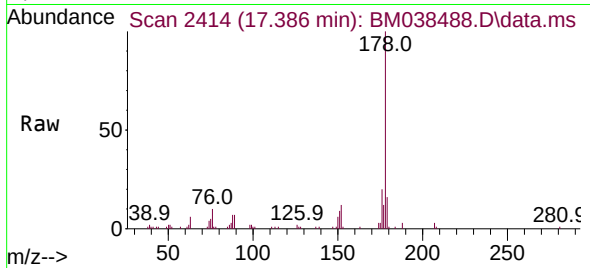
#71
Phenanthrene
Concen: 3.336 ng
RT: 17.386 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

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

Tgt Ion:178 Resp: 38270
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.0
179 16.2 12.1 18.1

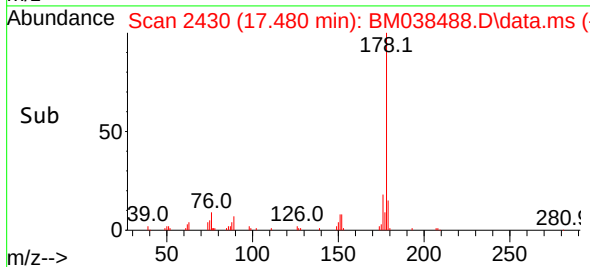
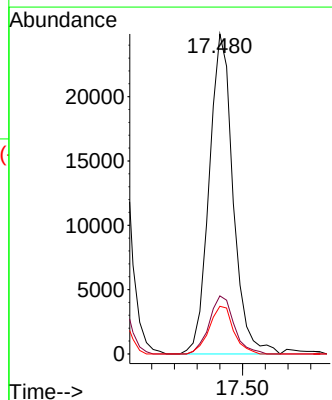
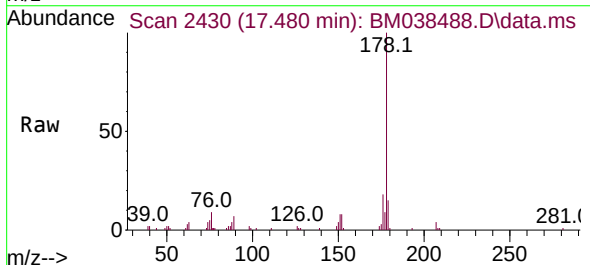
Manual Integrations
APPROVED

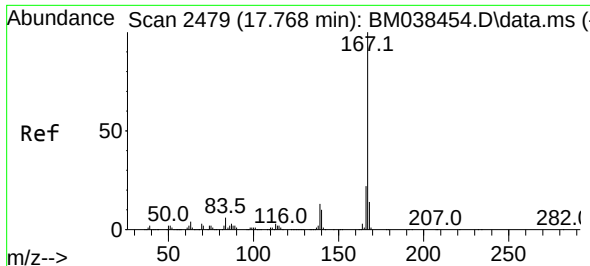
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#72
Anthracene
Concen: 3.086 ng
RT: 17.480 min Scan# 2430
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

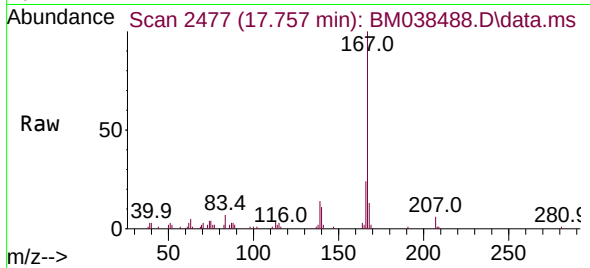
Tgt Ion:178 Resp: 36378
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 14.9 12.2 18.2





#73
Carbazole
Concen: 3.040 ng
RT: 17.757 min Scan# 2479
Delta R.T. 0.000 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

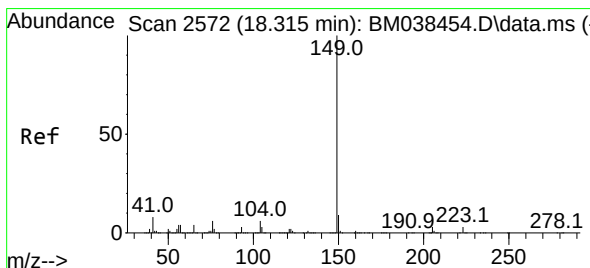
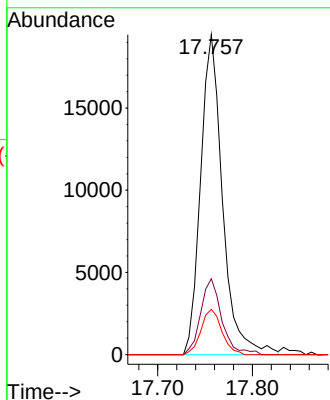
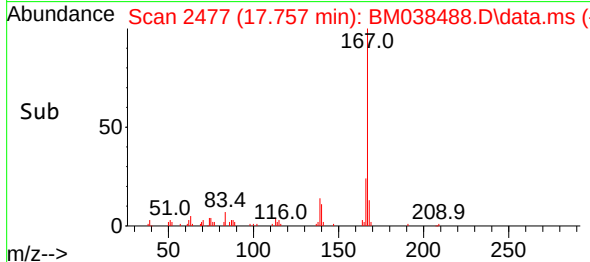
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



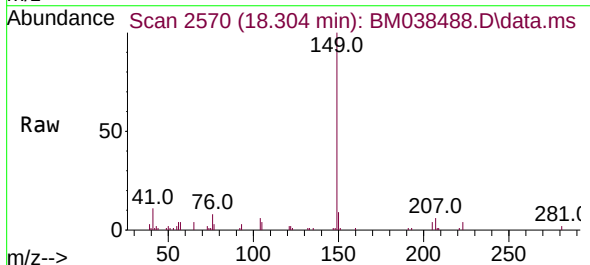
Tgt Ion:167 Resp: 31340
Ion Ratio Lower Upper
167 100
166 23.7 17.4 26.0
139 14.1 10.1 15.1

Manual Integrations
APPROVED

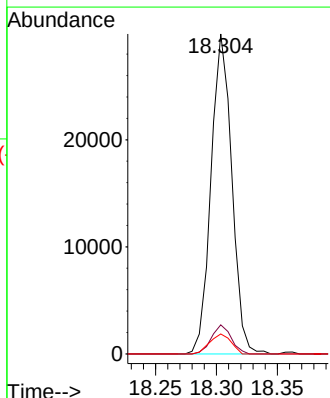
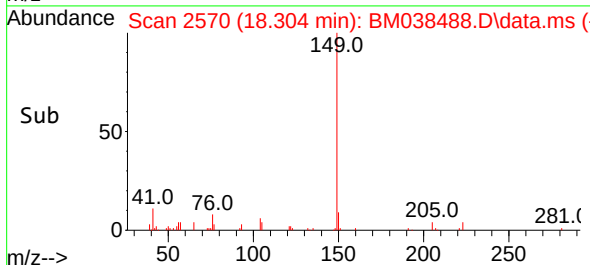
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

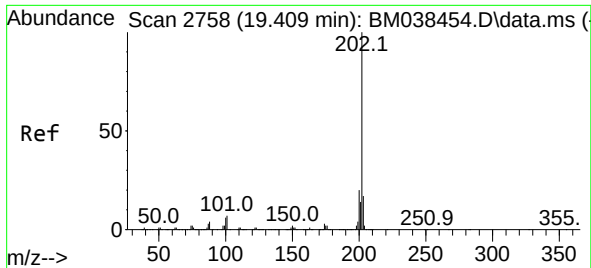


#74
Di-n-butylphthalate
Concen: 2.890 ng
RT: 18.304 min Scan# 2570
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56



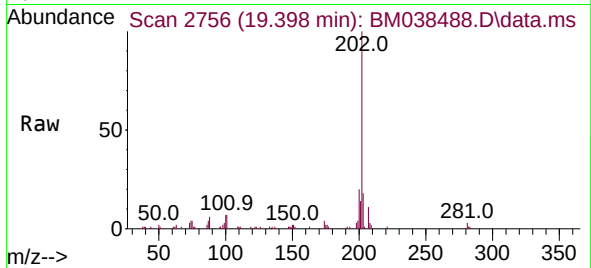
Tgt Ion:149 Resp: 35383
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 6.2 4.7 7.1





#75
Fluoranthene
Concen: 2.971 ng
RT: 19.398 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

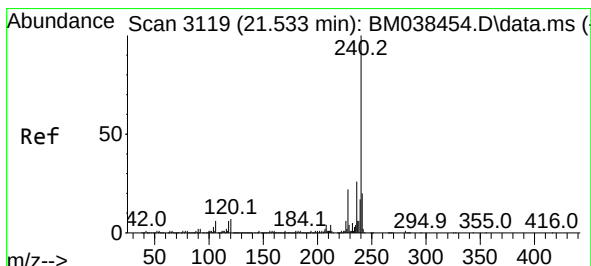
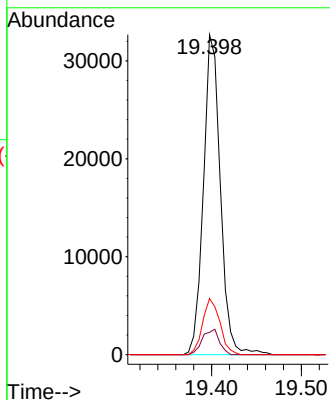
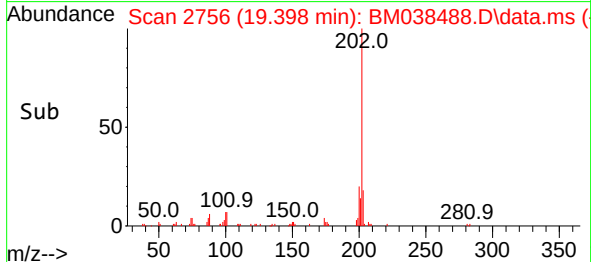
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:202 Resp: 4284
Ion Ratio Lower Upper
202 100
101 7.0 0.0 27.4
203 17.5 0.0 37.1

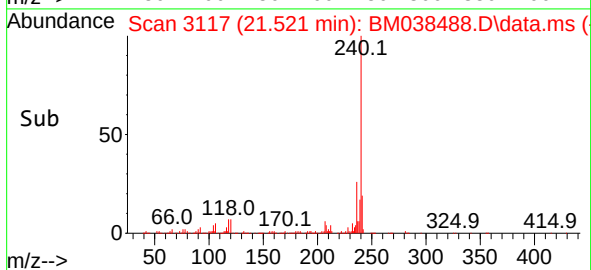
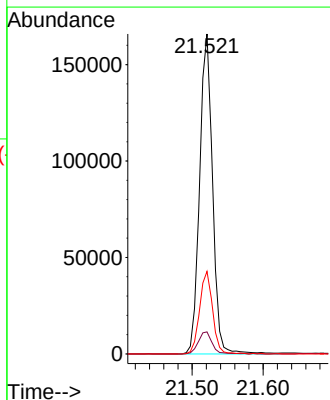
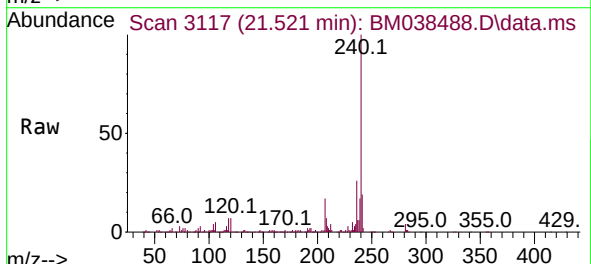
Manual Integrations
APPROVED

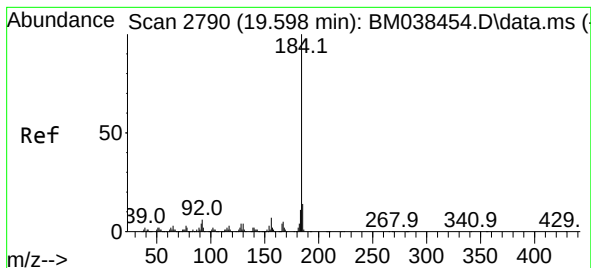
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

Tgt Ion:240 Resp: 208740
Ion Ratio Lower Upper
240 100
120 6.9 5.6 8.4
236 25.8 21.0 31.4





#77

Benzidine

Concen: 3.764 ng

RT: 19.592 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038488.D

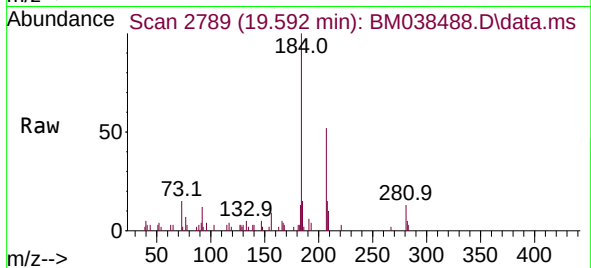
Acq: 19 Jan 2023 13:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2022



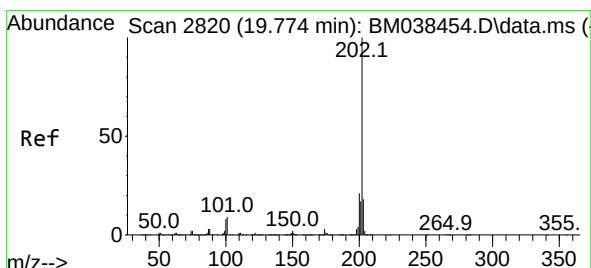
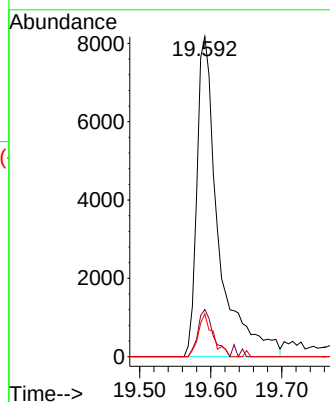
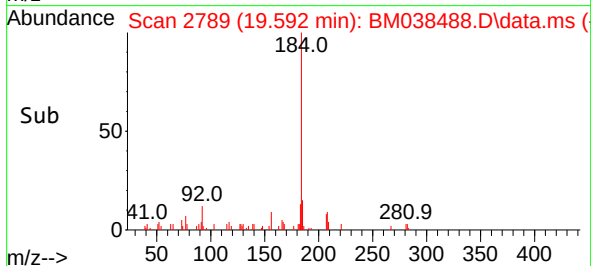
Tgt Ion:	184	Resp:	1721
Ion Ratio	Lower	Upper	
184	100		
185	14.7	11.1	16.7
183	13.4	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023

Supervised By :Jagrut Upadhyay 01/20/2023



#78

Pyrene

Concen: 3.322 ng

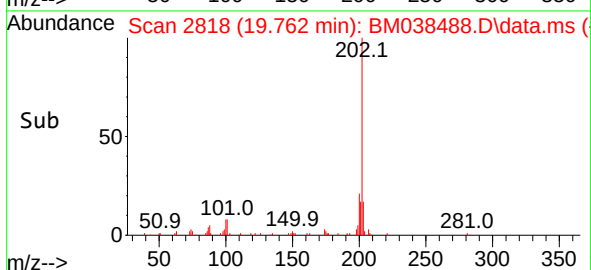
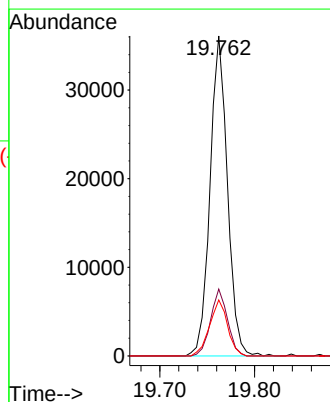
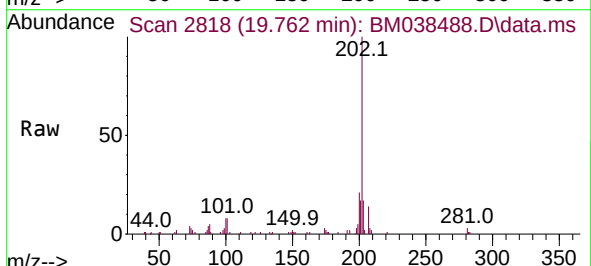
RT: 19.762 min Scan# 2818

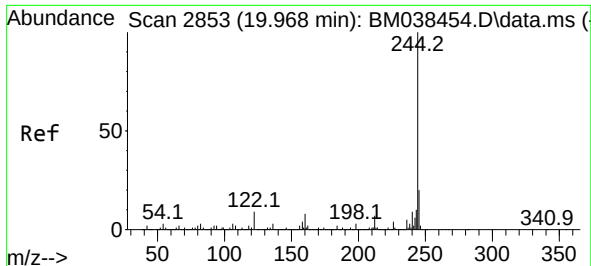
Delta R.T. -0.006 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

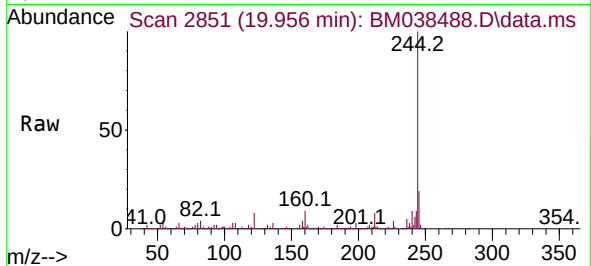
Tgt Ion:	202	Resp:	46146
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.9	25.3
203	17.5	14.2	21.2





#79
 Terphenyl-d14
 Concen: 84.803 ng
 RT: 19.956 min Scan# 2853
 Delta R.T. -0.006 min
 Lab File: BM038488.D
 Acq: 19 Jan 2023 13:56

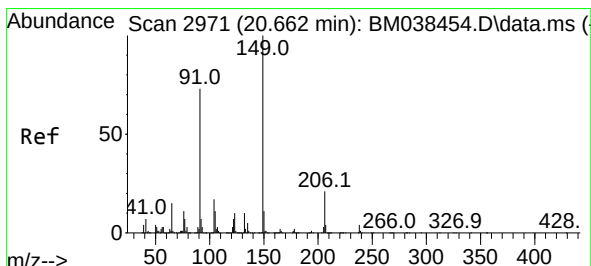
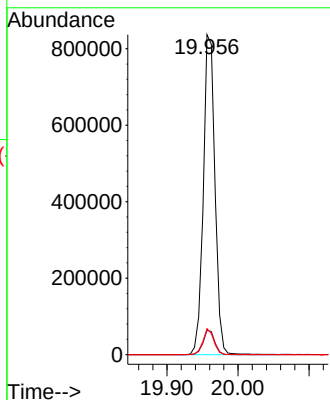
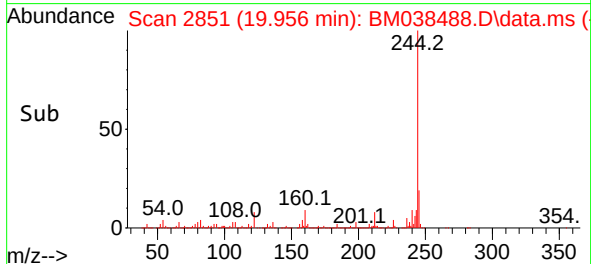
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2022



Tgt Ion:244 Resp: 945590
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 8.1 7.1 10.7

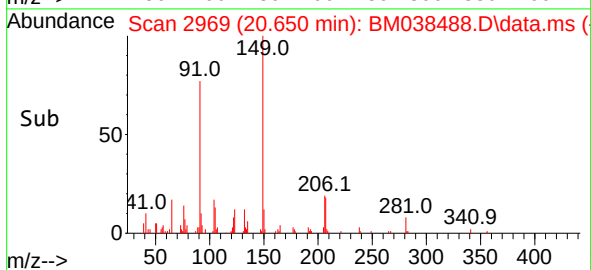
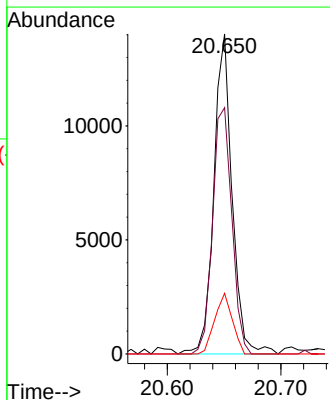
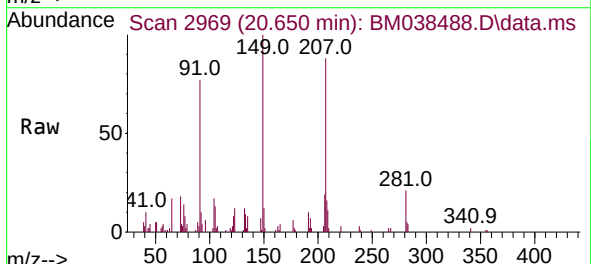
Manual Integrations
 APPROVED

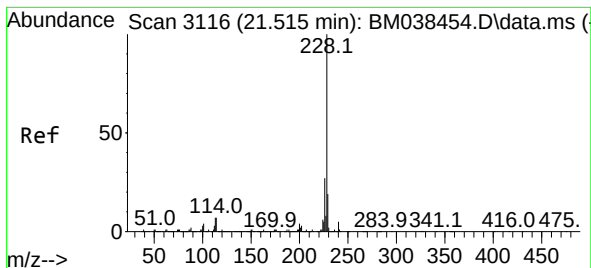
Reviewed By :Christian Giraldo 01/20/2023
 Supervised By :Jagrut Upadhyay 01/20/2023



#80
 Butylbenzylphthalate
 Concen: 3.081 ng
 RT: 20.650 min Scan# 2969
 Delta R.T. -0.006 min
 Lab File: BM038488.D
 Acq: 19 Jan 2023 13:56

Tgt Ion:149 Resp: 15645
 Ion Ratio Lower Upper
 149 100
 91 76.9 58.3 87.5
 206 18.9 16.7 25.1





#81

Benzo(a)anthracene

Concen: 3.265 ng

RT: 21.503 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

Instrument :

BNA_M

ClientSampleId :

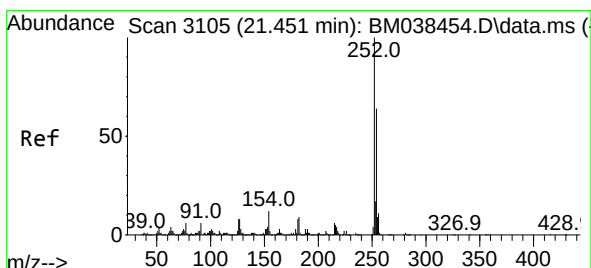
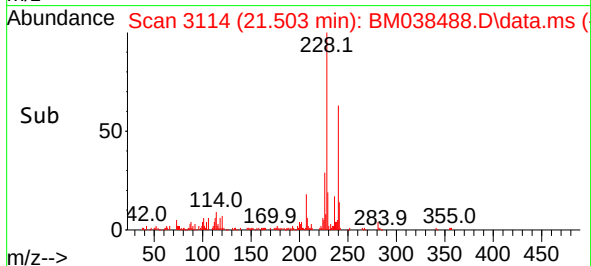
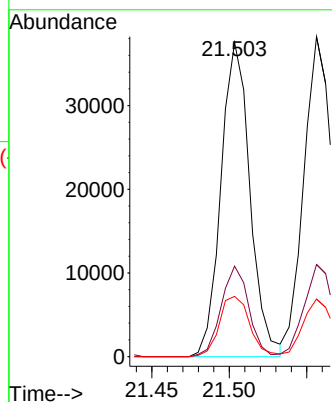
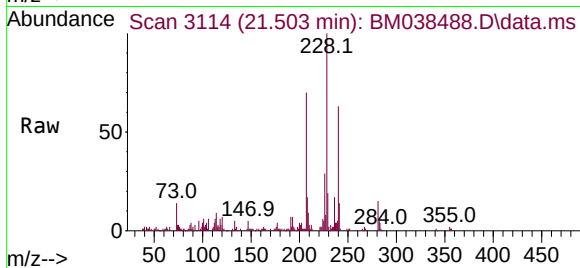
MDL-SOIL-03-QT3-2022

Tgt Ion:	228	Resp:	4902
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.0	33.0
229	19.2	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: 3.522 ng

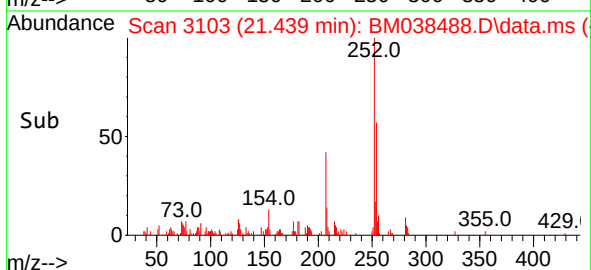
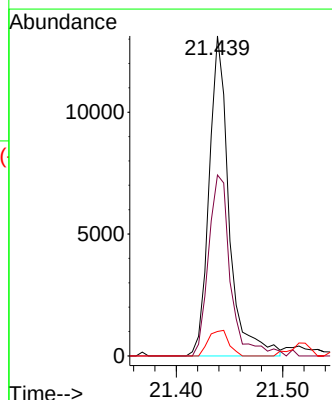
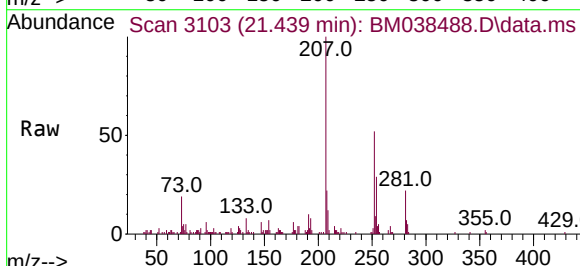
RT: 21.439 min Scan# 3103

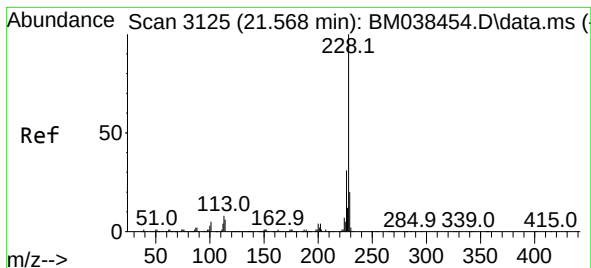
Delta R.T. -0.006 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

Tgt Ion:	252	Resp:	17024
Ion Ratio	Lower	Upper	
252	100		
254	56.5	51.2	76.8
126	7.6	6.3	9.5





#83

Chrysene

Concen: 3.378 ng

RT: 21.556 min Scan# 3125

Delta R.T. -0.006 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

Instrument :

BNA_M

ClientSampleId :

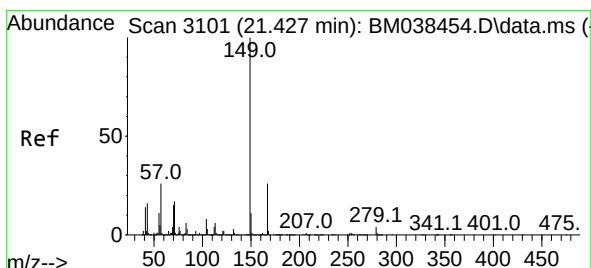
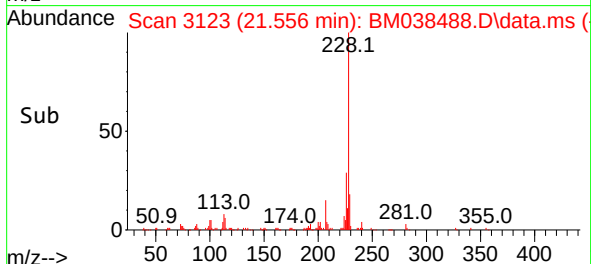
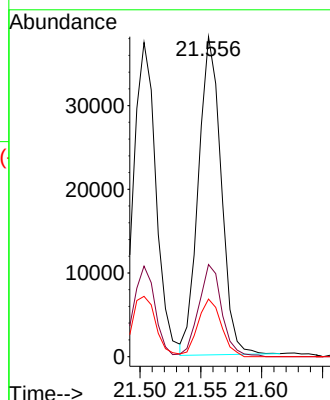
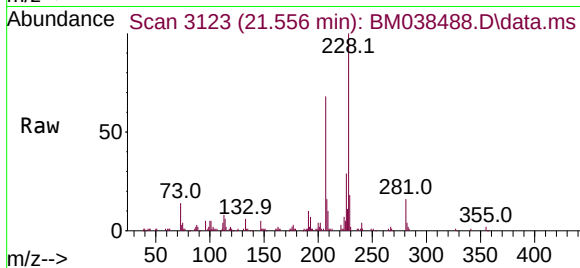
MDL-SOIL-03-QT3-2022

Tgt Ion:	228	Resp:	4927
Ion Ratio	Lower	Upper	
228	100		
226	28.8	24.6	36.8
229	18.0	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: 2.857 ng

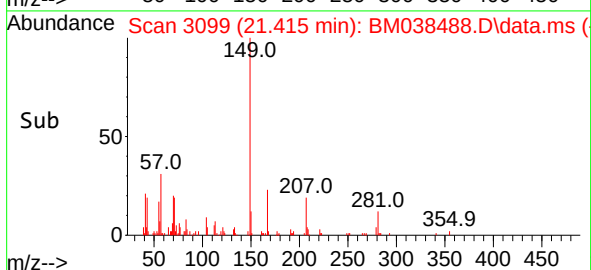
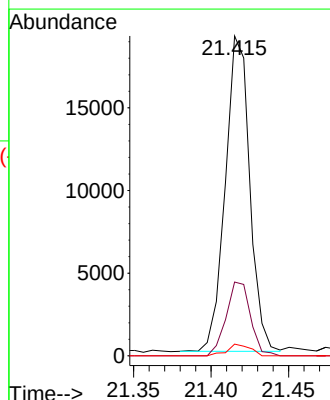
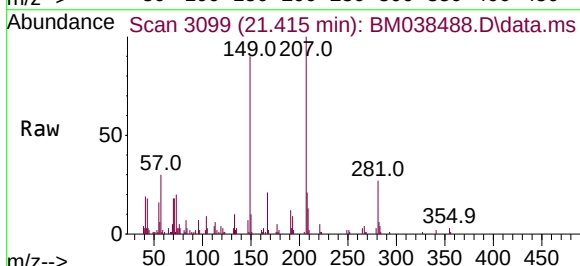
RT: 21.415 min Scan# 3099

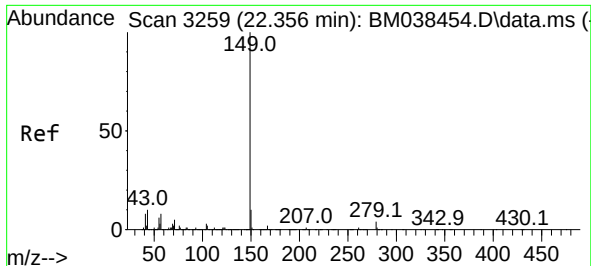
Delta R.T. -0.006 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

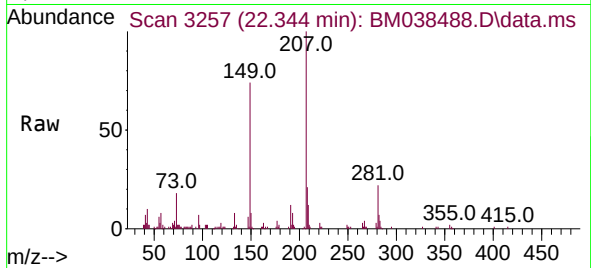
Tgt Ion:	149	Resp:	20853
Ion Ratio	Lower	Upper	
149	100		
167	23.1	21.0	31.4
279	3.7	3.4	5.0





#85
Di-n-octyl phthalate
Concen: 2.914 ng
RT: 22.344 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

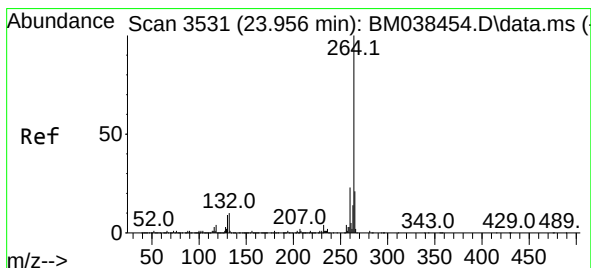
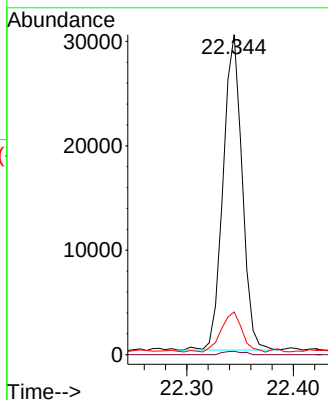
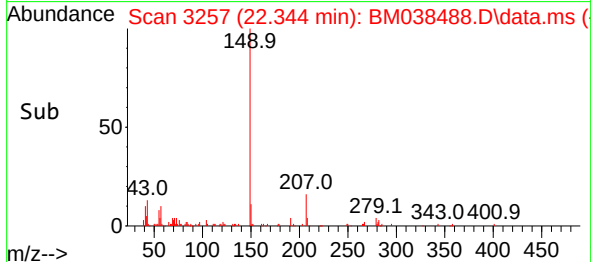
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:149 Resp: 37424
Ion Ratio Lower Upper
149 100
167 1.1 1.3 1.9
43 14.2 8.4 12.6

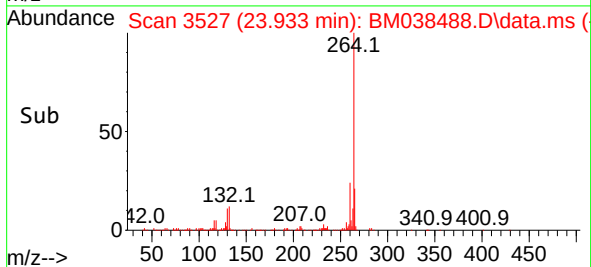
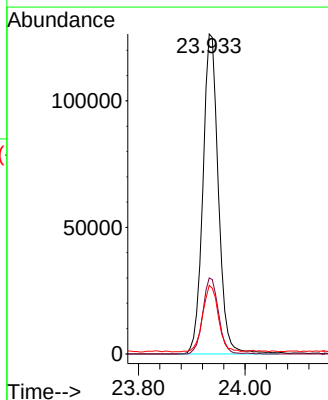
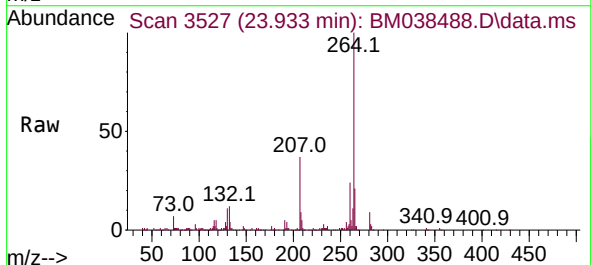
Manual Integrations
APPROVED

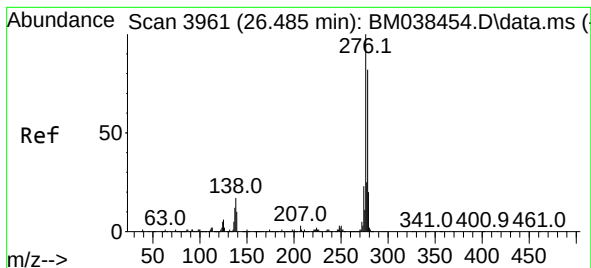
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.933 min Scan# 3527
Delta R.T. -0.006 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

Tgt Ion:264 Resp: 255241
Ion Ratio Lower Upper
264 100
260 23.7 18.2 27.4
265 21.4 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.273 ng

RT: 26.450 min Scan# 3961

Delta R.T. -0.018 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

Instrument :

BNA_M

ClientSampleId :

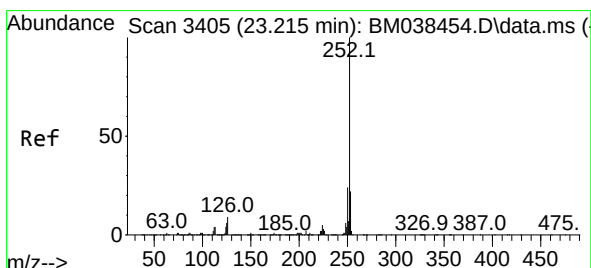
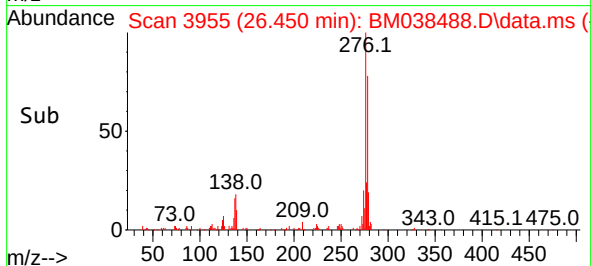
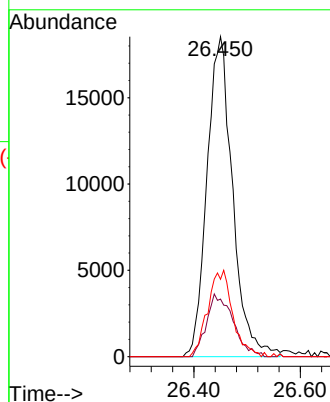
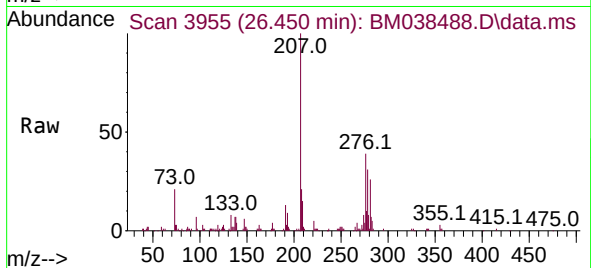
MDL-SOIL-03-QT3-2022

Tgt Ion:	276	Resp:	61818
Ion Ratio	Lower	Upper	
276	100		
138	20.3	13.4	20.2
277	26.3	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: 3.260 ng

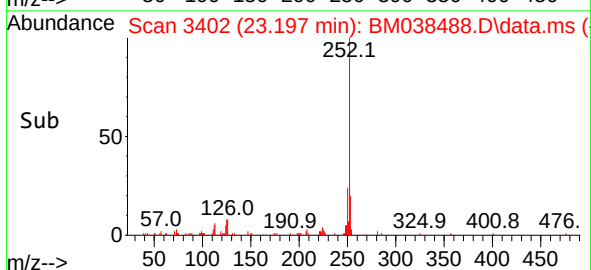
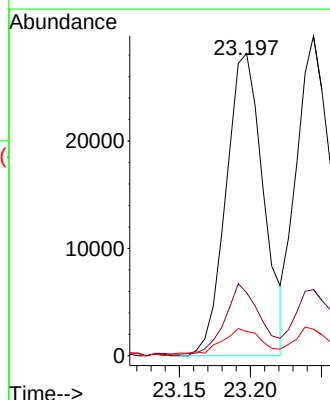
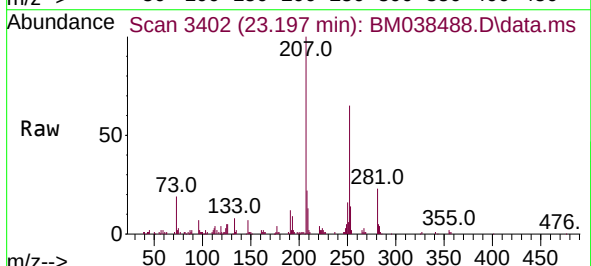
RT: 23.197 min Scan# 3402

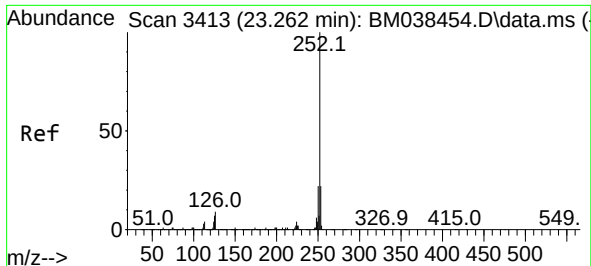
Delta R.T. -0.006 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

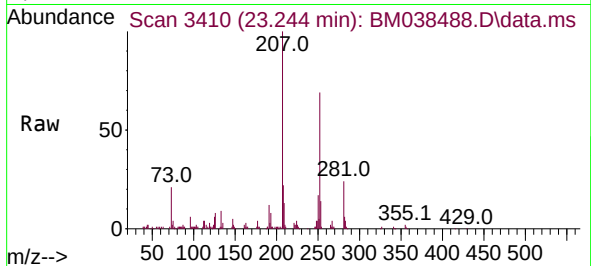
Tgt Ion:	252	Resp:	51589
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.8	26.6
125	8.1	5.1	7.7





#89
Benzo(k)fluoranthene
Concen: 3.259 ng m
RT: 23.244 min Scan# 3413
Delta R.T. -0.012 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

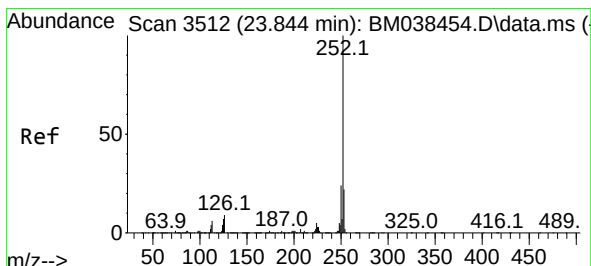
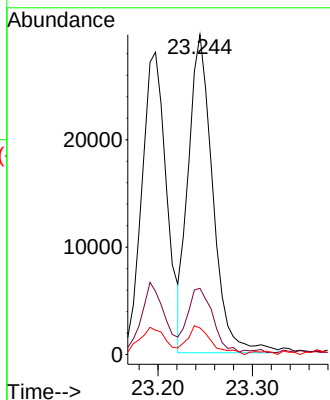
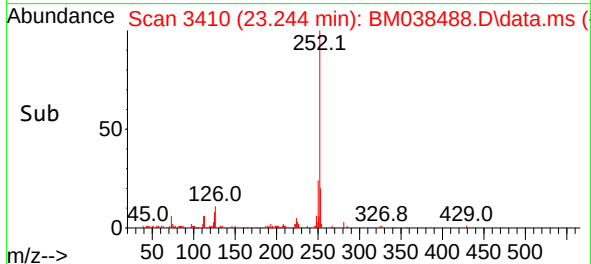
Instrument : BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:252 Resp: 5333
Ion Ratio Lower Upper
252 100
253 20.7 17.6 26.4
125 8.3 5.5 8.3

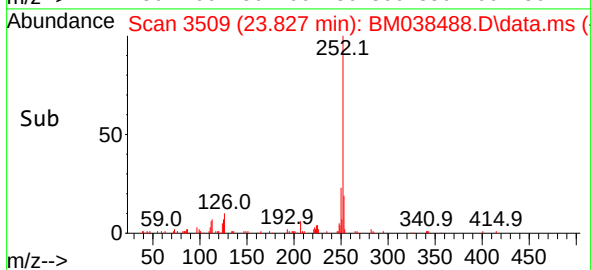
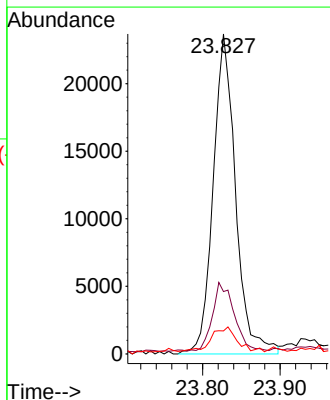
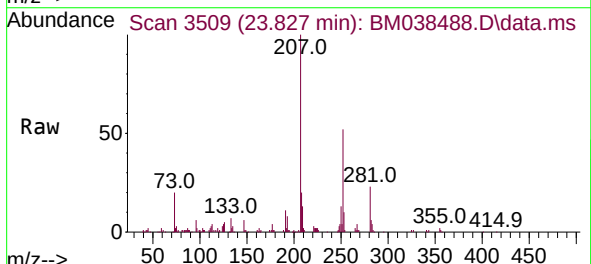
Manual Integrations
APPROVED

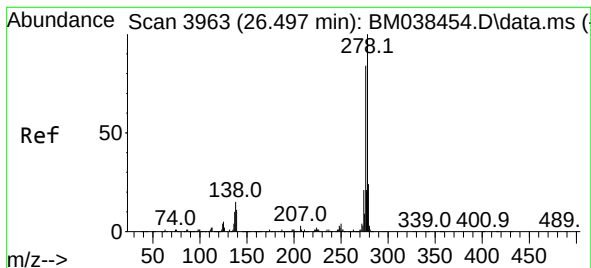
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#90
Benzo(a)pyrene
Concen: 3.066 ng
RT: 23.827 min Scan# 3509
Delta R.T. -0.012 min
Lab File: BM038488.D
Acq: 19 Jan 2023 13:56

Tgt Ion:252 Resp: 47621
Ion Ratio Lower Upper
252 100
253 19.5 17.6 26.4
125 7.2 5.8 8.8





#91

Dibenzo(a,h)anthracene

Concen: 3.331 ng

RT: 26.456 min Scan# 3963

Delta R.T. -0.023 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2022

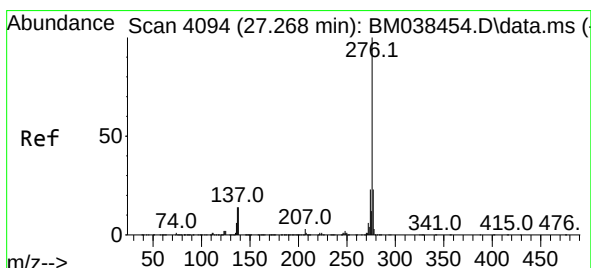
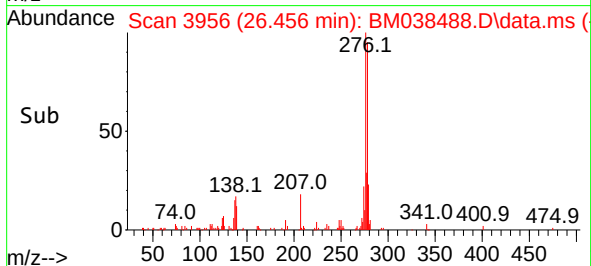
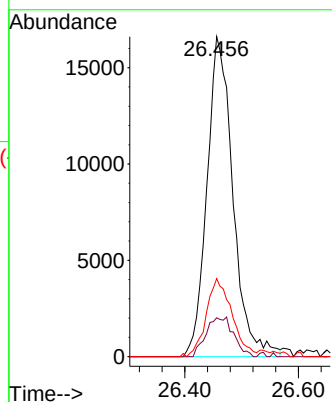
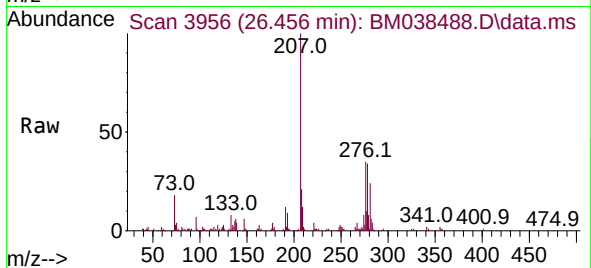
Tgt Ion:	278	Resp:	52794
Ion Ratio	Lower	Upper	
278	100		
139	12.2	8.4	12.6
279	24.4	19.0	28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023

Supervised By :Jagrut Upadhyay 01/20/2023



#92

Benzo(g,h,i)perylene

Concen: 3.554 ng

RT: 27.226 min Scan# 4087

Delta R.T. -0.023 min

Lab File: BM038488.D

Acq: 19 Jan 2023 13:56

Tgt Ion:	276	Resp:	55886
Ion Ratio	Lower	Upper	
276	100		
277	26.2	18.6	27.8
138	16.6	11.3	16.9

