

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
 Data File : BM038466.D
 Acq On : 17 Jan 2023 16:16
 Operator : CG/JU
 Sample : N3980-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

Quant Time: Jan 19 04:49:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 03:06:05 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	62676	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	224585	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	137585	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	320180	20.000	ng	0.00
76) Chrysene-d12	21.527	240	342212	20.000	ng	0.00
86) Perylene-d12	23.950	264	416614	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	344324	83.801	ng	-0.01
7) Phenol-d6	7.134	99	419363	79.676	ng	-0.01
23) Nitrobenzene-d5	9.145	82	346002	62.773	ng	-0.01
42) 2,4,6-Tribromophenol	16.098	330	173681	74.673	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	654387	59.315	ng	0.00
79) Terphenyl-d14	19.968	244	1193566	65.293	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.381	88	8656	4.610	ng	98
3) Pyridine	3.810	79	21344m	3.929	ng	
4) n-Nitrosodimethylamine	3.710	42	14646m	4.557	ng	
6) Aniline	7.304	93	27431	4.126	ng	97
8) 2-Chlorophenol	7.528	128	18247	4.485	ng	90
9) Benzaldehyde	7.116	77	17191	4.884	ng	94
10) Phenol	7.163	94	24860	4.532	ng	93
11) bis(2-Chloroethyl)ether	7.398	93	19132	4.304	ng	93
12) 1,3-Dichlorobenzene	7.857	146	20370	4.674	ng	99
13) 1,4-Dichlorobenzene	8.010	146	20805m	4.745	ng	
14) 1,2-Dichlorobenzene	8.328	146	20310	4.738	ng	97
15) Benzyl Alcohol	8.222	79	17460	4.142	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.510	45	29472	4.756	ng	97
17) 2-Methylphenol	8.422	107	14351	3.874	ng	93
18) Hexachloroethane	9.051	117	8672	4.829	ng	96
19) n-Nitroso-di-n-propyla...	8.781	70	15707	4.111	ng	97
20) 3+4-Methylphenols	8.751	107	18902	3.800	ng	95
22) Acetophenone	8.810	105	24729	3.725	ng	# 98
24) Nitrobenzene	9.187	77	27190	4.669	ng	95
25) Isophorone	9.710	82	39171	4.012	ng	97
26) 2-Nitrophenol	9.904	139	7946	3.886	ng	# 92
27) 2,4-Dimethylphenol	9.957	122	13903	3.993	ng	97
28) bis(2-Chloroethoxy)met...	10.198	93	22816	4.155	ng	94
29) 2,4-Dichlorophenol	10.434	162	14135	3.675	ng	97
30) 1,2,4-Trichlorobenzene	10.645	180	19023	4.277	ng	93
31) Naphthalene	10.839	128	49792	4.183	ng	95
32) Benzoic acid	10.034	122	4853m	6.594	ng	
33) 4-Chloroaniline	10.957	127	17897	3.426	ng	# 90
34) Hexachlorobutadiene	11.110	225	13037	4.180	ng	94
35) Caprolactam	11.739	113	2926	2.692	ng	# 86
36) 4-Chloro-3-methylphenol	12.069	107	15488	3.693	ng	94
37) 2-Methylnaphthalene	12.439	142	31713	3.644	ng	97
38) 1-Methylnaphthalene	12.663	142	30505	3.734	ng	97
40) 1,2,4,5-Tetrachloroben...	12.810	216	18243	3.543	ng	99
41) Hexachlorocyclopentadiene	12.775	237	11549	3.944	ng	99
43) 2,4,6-Trichlorophenol	13.051	196	12074	3.709	ng	99

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Instrument :
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 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

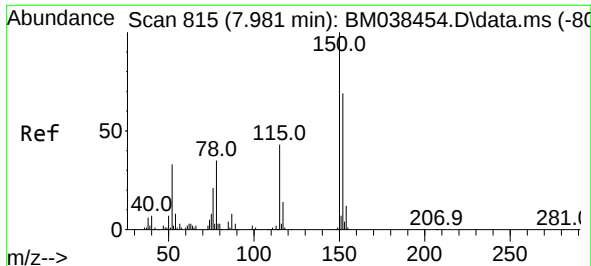
Quant Time: Jan 19 04:49:53 2023
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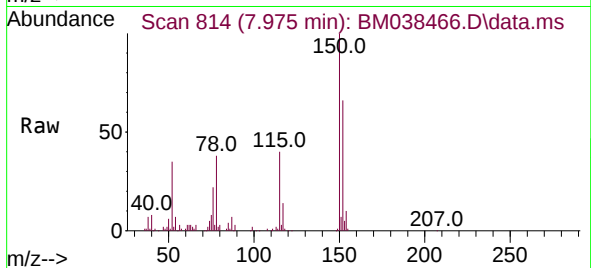
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.122	196	13374	3.485	ng	95
46) 1,1'-Biphenyl	13.445	154	38095	3.569	ng	96
47) 2-Chloronaphthalene	13.492	162	35362	4.209	ng	97
48) 2-Nitroaniline	13.704	65	10622	5.285	ng	97
49) Acenaphthylene	14.333	152	49764	3.757	ng	96
50) Dimethylphthalate	14.069	163	42762	3.835	ng	# 98
51) 2,6-Dinitrotoluene	14.192	165	8274	3.648	ng	# 84
52) Acenaphthene	14.674	154	32135	3.992	ng	98
53) 3-Nitroaniline	14.527	138	6946	5.278	ng	89
54) 2,4-Dinitrophenol	14.733	184	4075	7.516	ng	95
55) Dibenzofuran	15.004	168	53507	3.904	ng	99
56) 4-Nitrophenol	14.833	139	5194	6.337	ng	# 80
57) 2,4-Dinitrotoluene	14.980	165	9730	3.086	ng	# 95
58) Fluorene	15.657	166	41983	3.666	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.233	232	11399	3.350	ng	96
60) Diethylphthalate	15.421	149	43629	3.814	ng	99
61) 4-Chlorophenyl-phenyle...	15.645	204	22951	3.651	ng	# 88
62) 4-Nitroaniline	15.686	138	6868	5.360	ng	92
63) Azobenzene	15.939	77	47959	3.810	ng	97
65) 4,6-Dinitro-2-methylph...	15.745	198	5792	2.666	ng	96
66) n-Nitrosodiphenylamine	15.863	169	35191	3.746	ng	99
67) 4-Bromophenyl-phenylether	16.539	248	13692	3.697	ng	95
68) Hexachlorobenzene	16.657	284	16326	3.937	ng	# 93
69) Atrazine	16.810	200	10576	3.183	ng	91
70) Pentachlorophenol	17.004	266	8808	2.909	ng	91
71) Phenanthrene	17.392	178	69980	3.951	ng	99
72) Anthracene	17.486	178	66156	3.634	ng	99
73) Carbazole	17.762	167	59164	3.716	ng	97
74) Di-n-butylphthalate	18.309	149	71021	3.756	ng	99
75) Fluoranthene	19.404	202	80196	3.601	ng	98
77) Benzidine	19.598	184	26835	3.579	ng	98
78) Pyrene	19.768	202	85586	3.758	ng	98
80) Butylbenzylphthalate	20.656	149	30426	3.655	ng	89
81) Benzo(a)anthracene	21.509	228	97542	3.963	ng	99
82) 3,3'-Dichlorobenzidine	21.445	252	28343	3.576	ng	98
83) Chrysene	21.568	228	94287	3.942	ng	99
84) Bis(2-ethylhexyl)phtha...	21.427	149	44582	3.725	ng	98
85) Di-n-octyl phthalate	22.356	149	81834	3.887	ng	96
87) Indeno(1,2,3-cd)pyrene	26.468	276	115103	3.733	ng	99
88) Benzo(b)fluoranthene	23.209	252	102496m	3.968	ng	
89) Benzo(k)fluoranthene	23.256	252	102995	3.855	ng	99
90) Benzo(a)pyrene	23.839	252	92452	3.647	ng	# 98
91) Dibenzo(a,h)anthracene	26.485	278	102047	3.944	ng	98
92) Benzo(g,h,i)perylene	27.244	276	101496	3.954	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

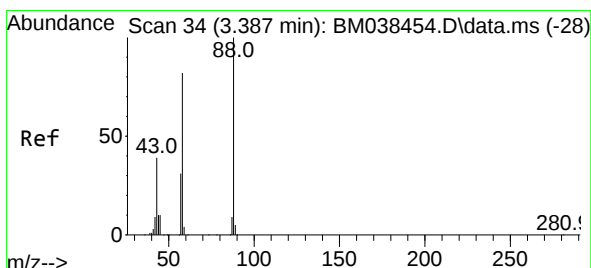
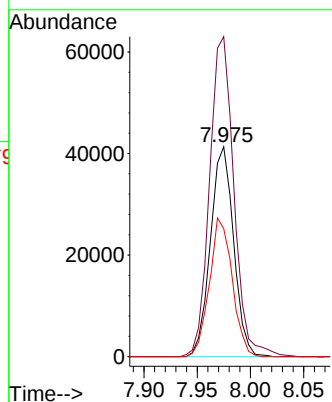
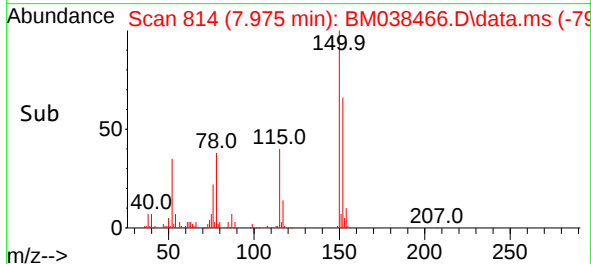
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 152 Resp: 62676
Ion Ratio Lower Upper
152 100
150 152.5 116.0 174.0
115 61.0 49.4 74.2

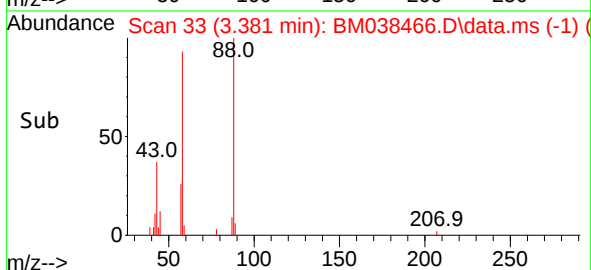
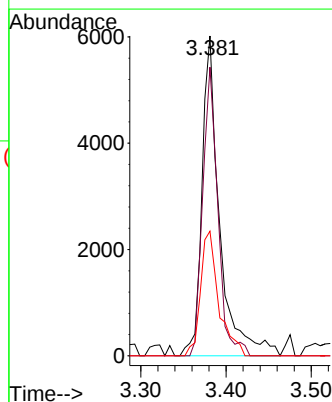
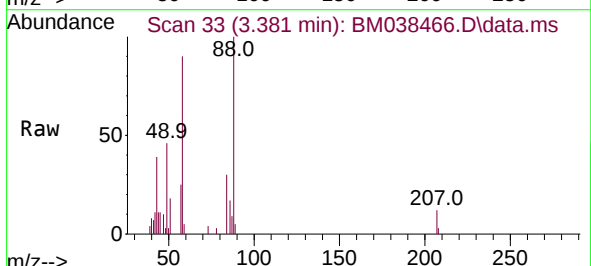
Manual Integrations
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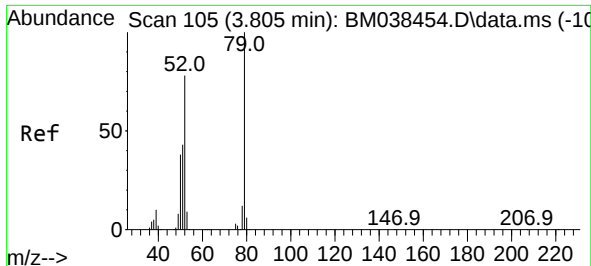
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#2
1,4-Dioxane
Concen: 4.610 ng
RT: 3.381 min Scan# 33
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

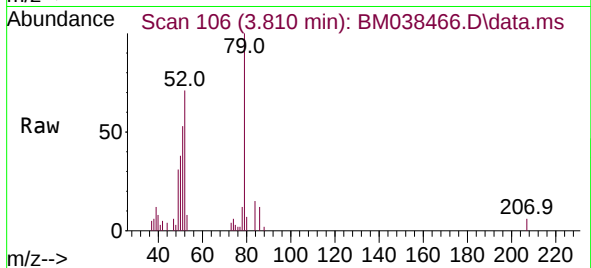
Tgt Ion: 88 Resp: 8656
Ion Ratio Lower Upper
88 100
58 77.6 64.3 96.5
43 40.1 32.3 48.5





#3
Pyridine
Concen: 3.929 ng m
RT: 3.810 min Scan# 10
Delta R.T. 0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

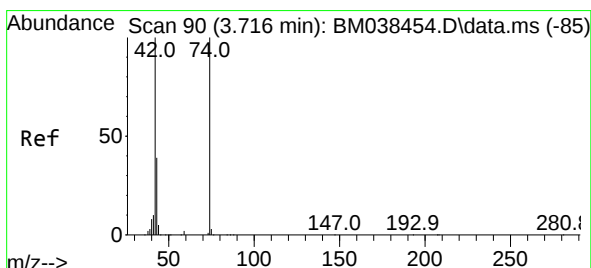
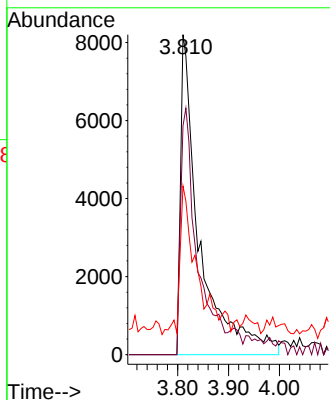
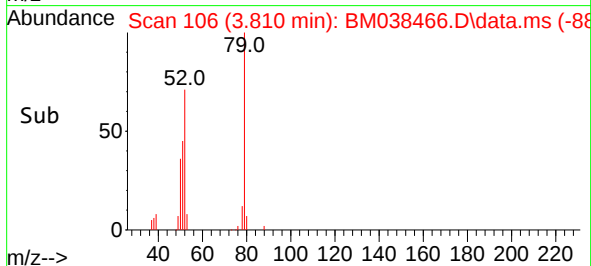
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 79 Resp: 21344
Ion Ratio Lower Upper
79 100
52 71.5 62.2 93.2
51 52.7 34.8 52.2

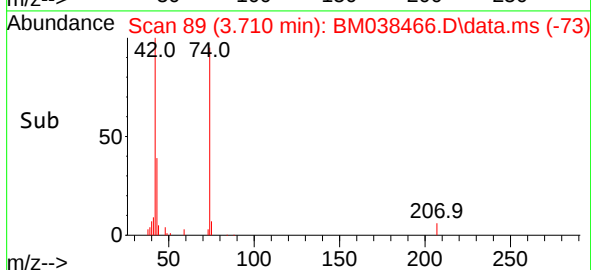
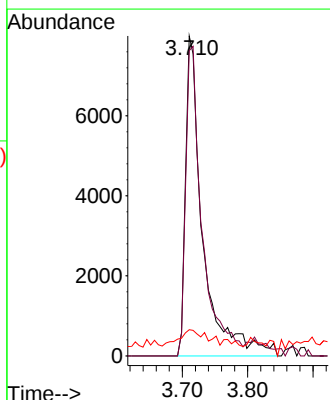
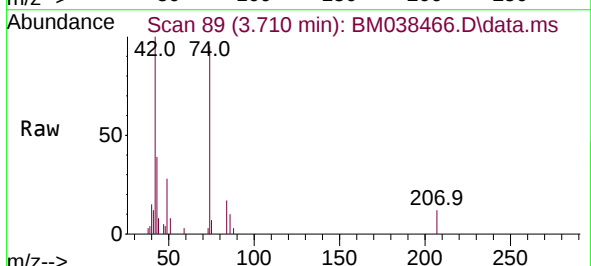
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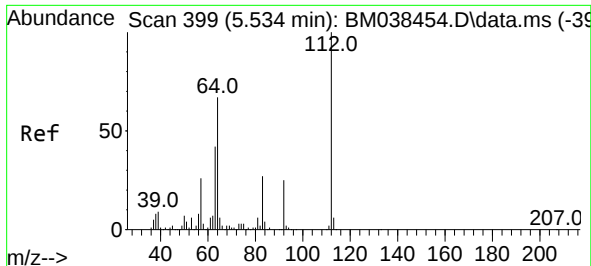
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#4
n-Nitrosodimethylamine
Concen: 4.557 ng m
RT: 3.710 min Scan# 89
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

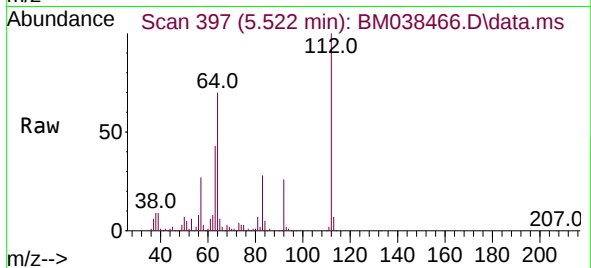
Tgt Ion: 42 Resp: 14646
Ion Ratio Lower Upper
42 100
74 95.4 79.7 119.5
44 8.2 4.7 7.1





#5
2-Fluorophenol
Concen: 83.801 ng
RT: 5.522 min Scan# 399
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

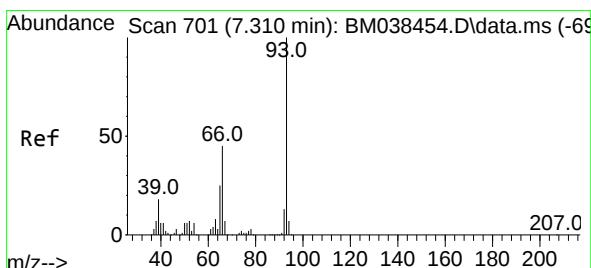
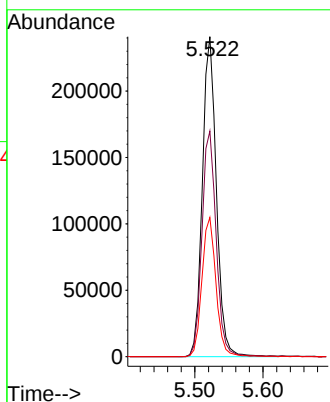
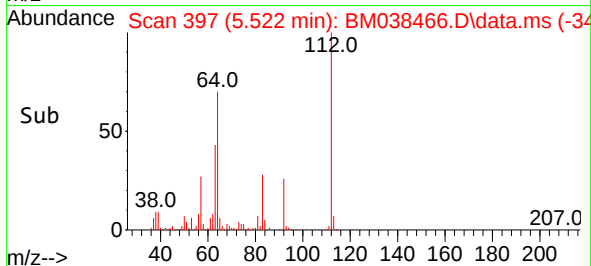
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 112 Resp: 344324
Ion Ratio Lower Upper
112 100
64 70.5 53.7 80.5
63 43.5 33.7 50.5

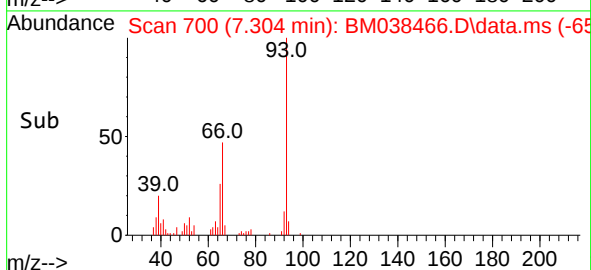
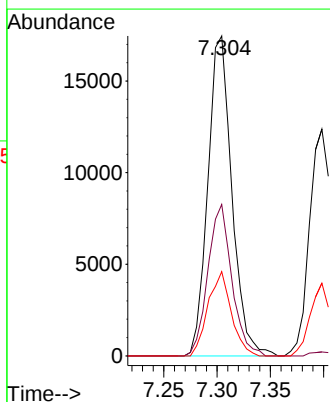
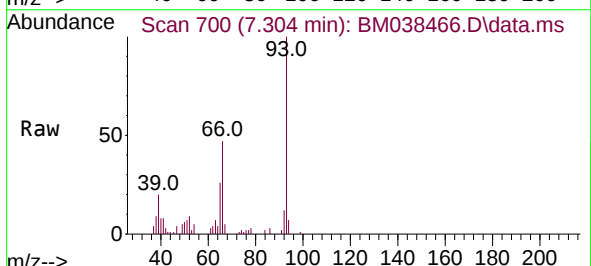
Manual Integrations
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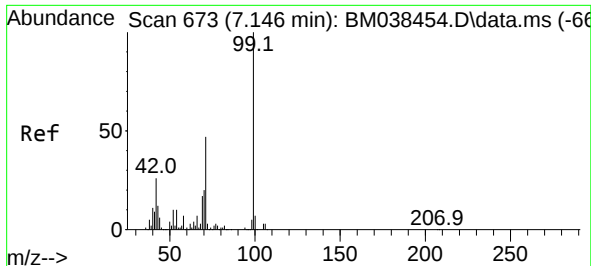
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#6
Aniline
Concen: 4.126 ng
RT: 7.304 min Scan# 700
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

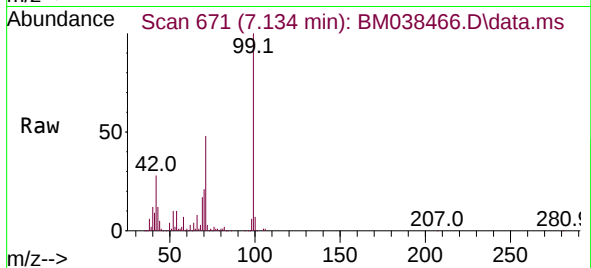
Tgt Ion: 93 Resp: 27431
Ion Ratio Lower Upper
93 100
66 47.3 36.2 54.2
65 26.3 19.8 29.8





#7
Phenol-d6
Concen: 79.676 ng
RT: 7.134 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

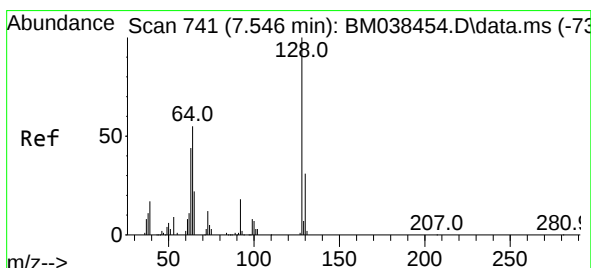
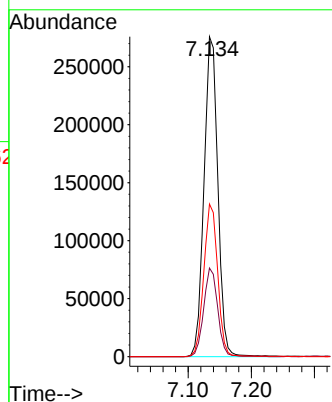
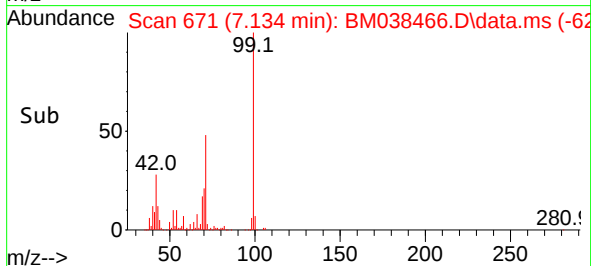
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BNA_M
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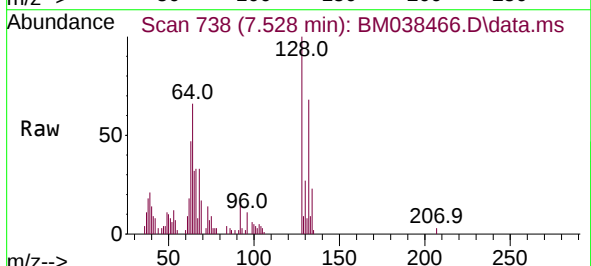
Tgt Ion: 99 Resp: 419363
Ion Ratio Lower Upper
99 100
42 27.7 20.8 31.2
71 47.7 37.8 56.8

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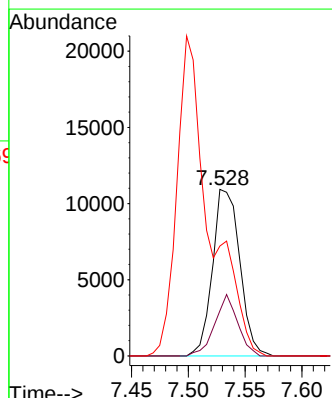
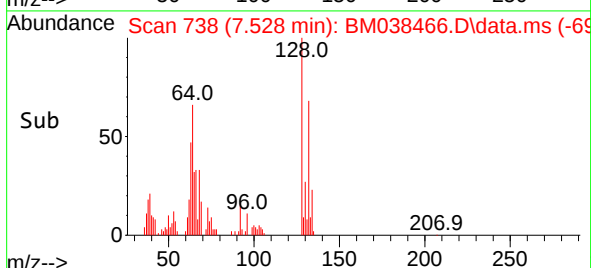
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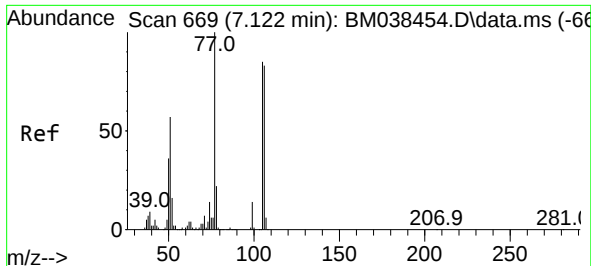


#8
2-Chlorophenol
Concen: 4.485 ng
RT: 7.528 min Scan# 738
Delta R.T. -0.018 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16



Tgt Ion:128 Resp: 18247
Ion Ratio Lower Upper
128 100
130 27.0 11.5 51.5
64 65.9 38.0 78.0





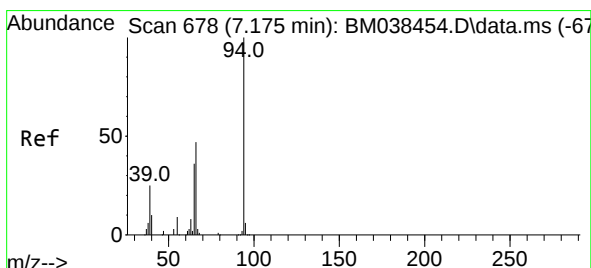
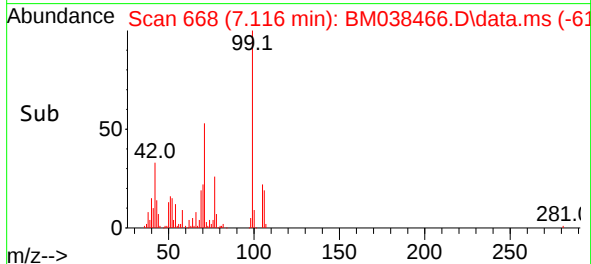
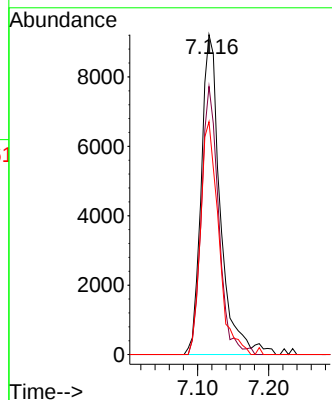
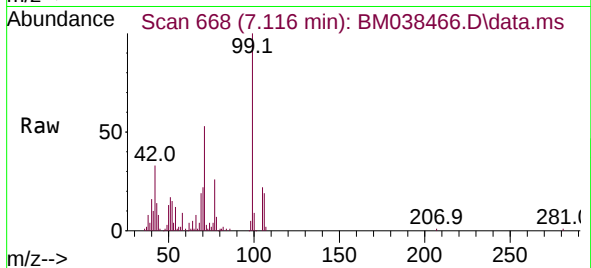
#9
Benzaldehyde
Concen: 4.884 ng
RT: 7.116 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion: 77 Resp: 1719
Ion Ratio Lower Upper
77 100
105 83.8 65.3 105.3
106 72.8 62.5 102.5

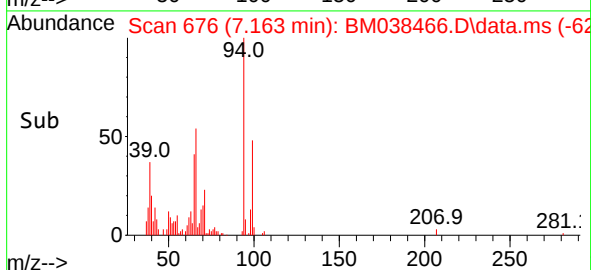
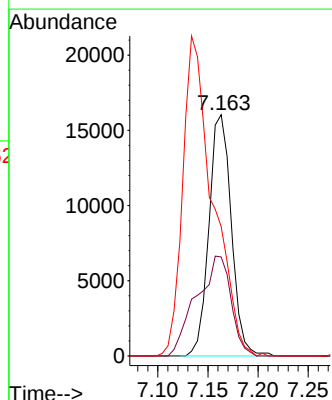
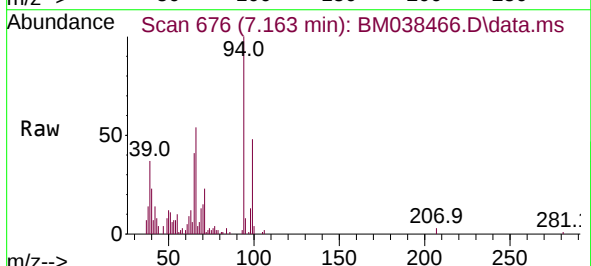
Manual Integrations
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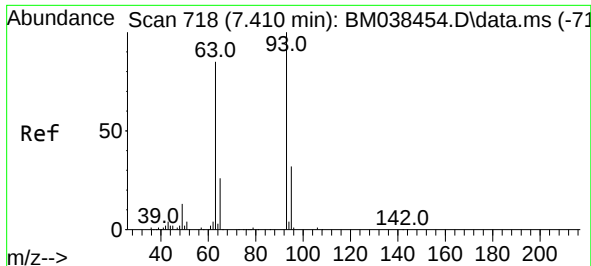
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#10
Phenol
Concen: 4.532 ng
RT: 7.163 min Scan# 676
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

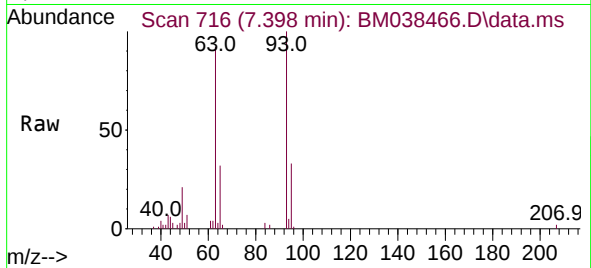
Tgt Ion: 94 Resp: 24860
Ion Ratio Lower Upper
94 100
65 41.0 16.3 56.3
66 53.6 29.2 69.2





#11
bis(2-Chloroethyl)ether
Concen: 4.304 ng
RT: 7.398 min Scan# 718
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

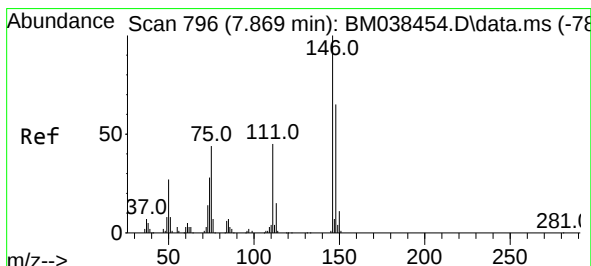
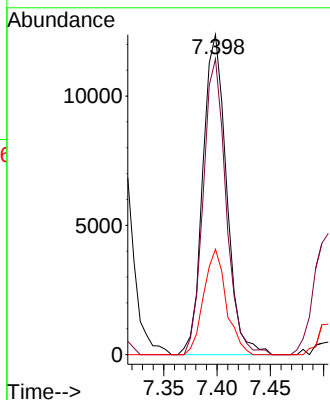
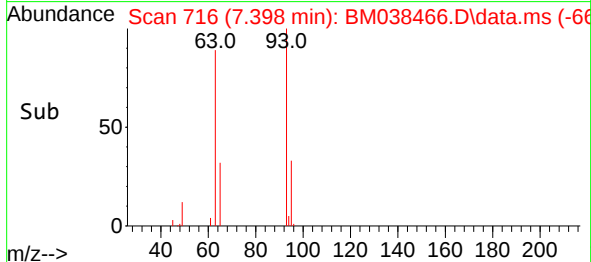
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



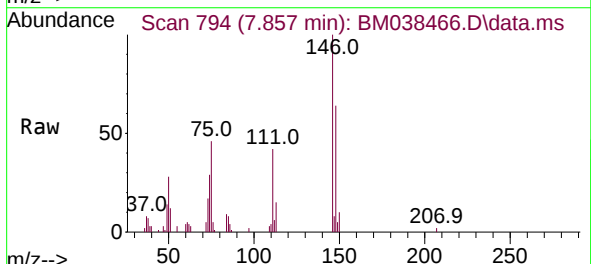
Tgt Ion: 93 Resp: 19132
Ion Ratio Lower Upper
93 100
63 92.4 64.6 104.6
95 32.9 12.0 52.0

Manual Integrations
APPROVED

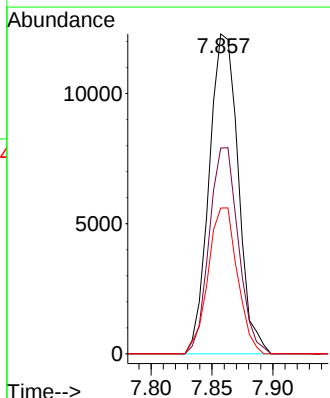
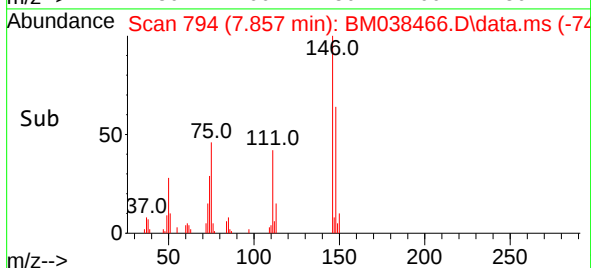
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

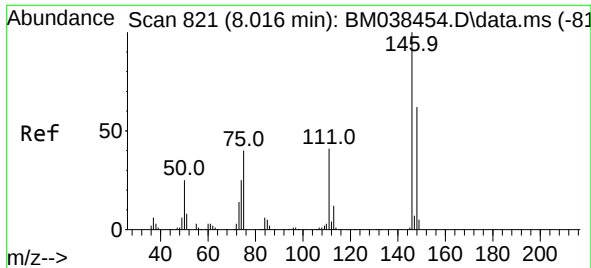


#12
1,3-Dichlorobenzene
Concen: 4.674 ng
RT: 7.857 min Scan# 794
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16



Tgt Ion:146 Resp: 20370
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.8
75 45.6 35.1 52.7





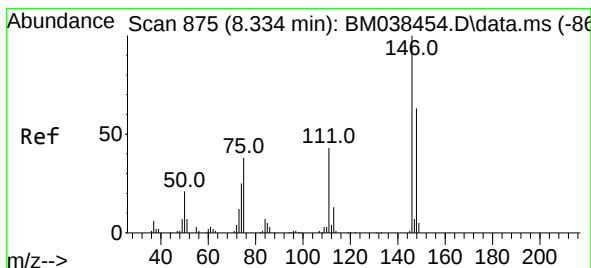
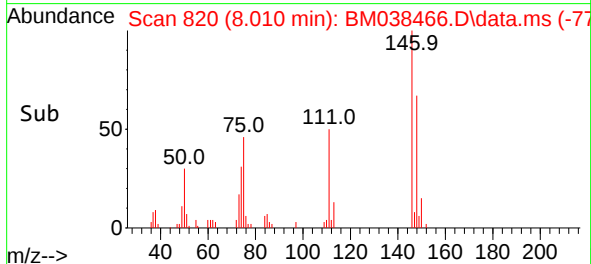
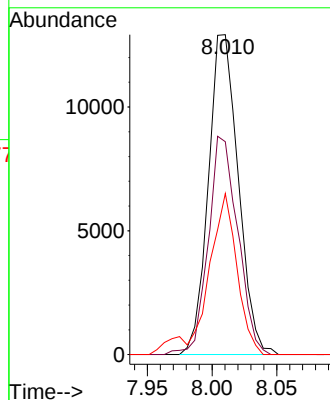
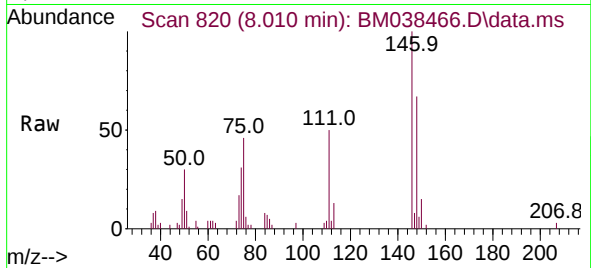
#13
1,4-Dichlorobenzene
Concen: 4.745 ng m
RT: 8.010 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:146 Resp: 20805
Ion Ratio Lower Upper
146 100
148 66.5 50.1 75.1
111 50.3 32.8 49.2

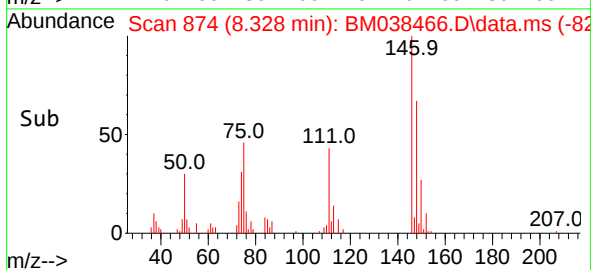
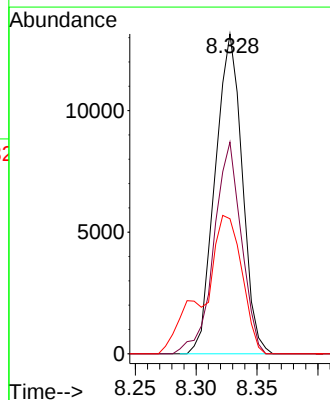
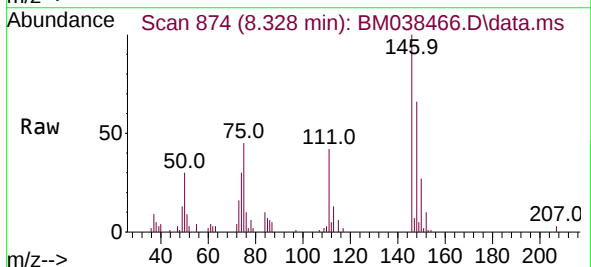
Manual Integrations
APPROVED

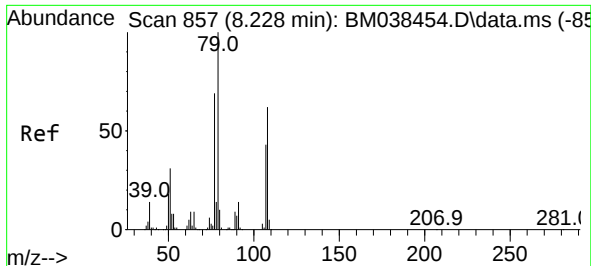
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#14
1,2-Dichlorobenzene
Concen: 4.738 ng
RT: 8.328 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

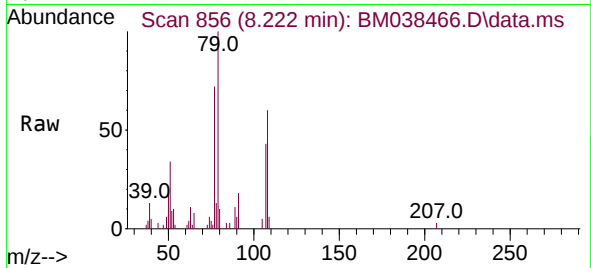
Tgt Ion:146 Resp: 20310
Ion Ratio Lower Upper
146 100
148 66.2 50.7 76.1
111 42.2 35.2 52.8





#15
Benzyl Alcohol
Concen: 4.142 ng
RT: 8.222 min Scan# 857
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

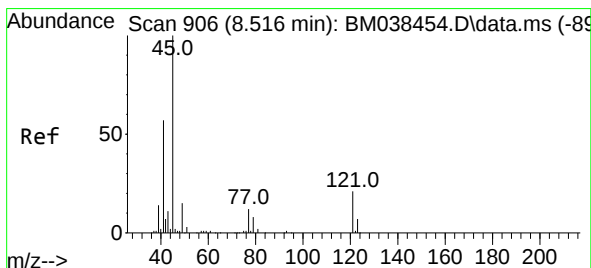
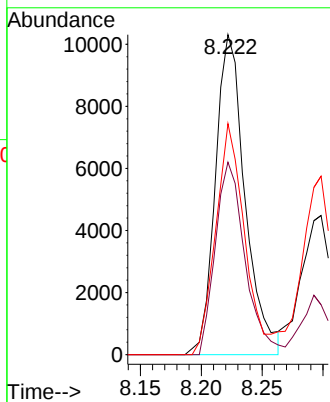
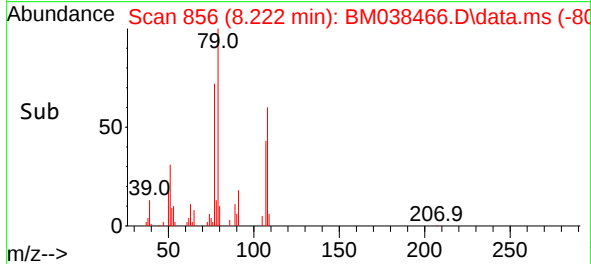
Instrument : BNA_M
Client SampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion: 79 Resp: 17460
Ion Ratio Lower Upper
79 100
108 60.1 49.3 73.9
77 72.2 55.1 82.7

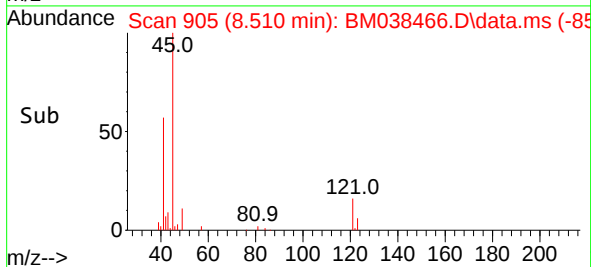
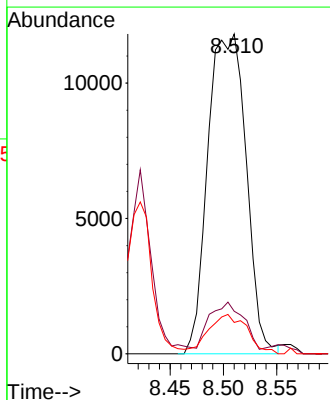
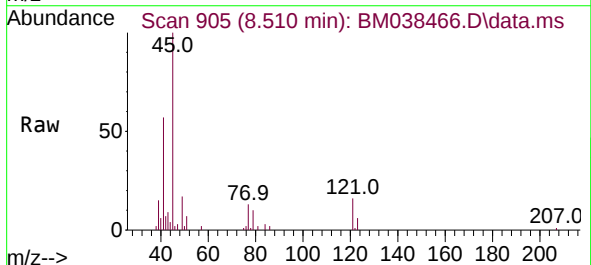
Manual Integrations
APPROVED

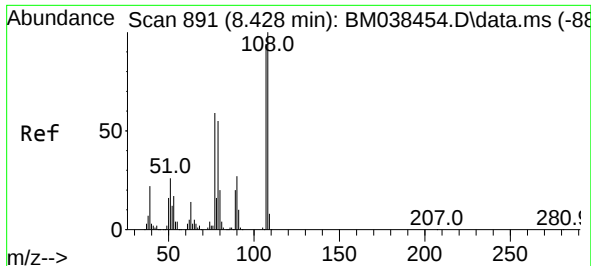
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.756 ng
RT: 8.510 min Scan# 905
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

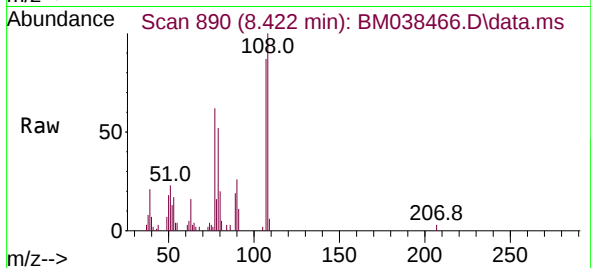
Tgt Ion: 45 Resp: 29472
Ion Ratio Lower Upper
45 100
77 13.3 0.0 34.7
79 9.8 0.0 30.4





#17
2-Methylphenol
Concen: 3.874 ng
RT: 8.422 min Scan# 891
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

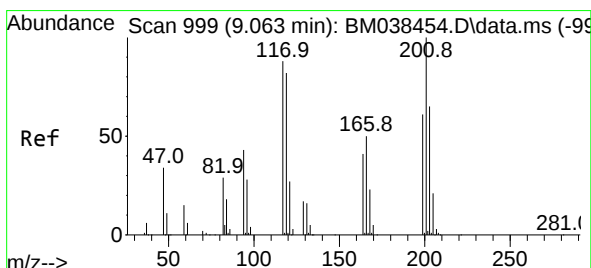
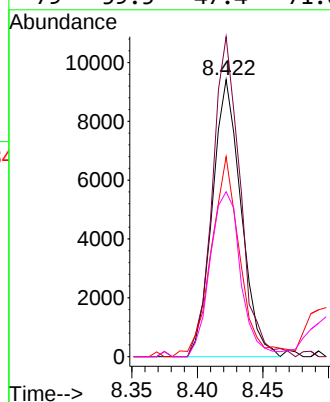
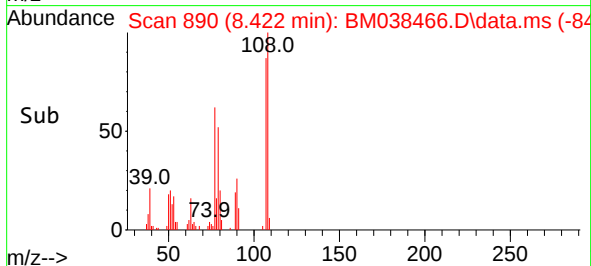
Instrument : BNA_M
Client SampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion:	107	Resp:	1435
Ion Ratio	Lower	Upper	
107	100		
108	115.5	85.7	128.5
77	72.2	50.5	75.7
79	59.5	47.4	71.0

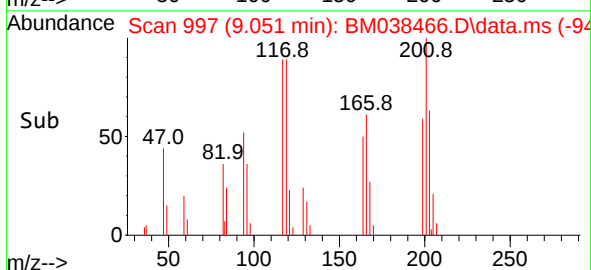
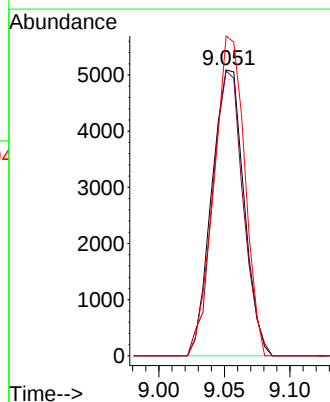
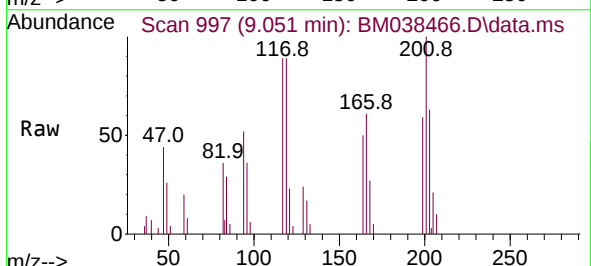
Manual Integrations
APPROVED

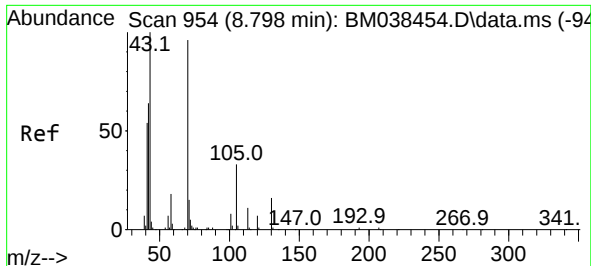
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#18
Hexachloroethane
Concen: 4.829 ng
RT: 9.051 min Scan# 997
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

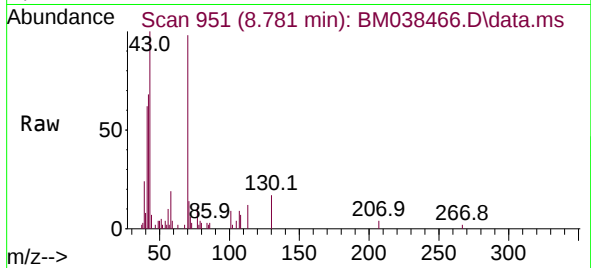
Tgt Ion:	117	Resp:	8672
Ion Ratio	Lower	Upper	
117	100		
119	99.6	74.5	111.7
201	111.9	91.3	136.9





#19
n-Nitroso-di-n-propylamine
Concen: 4.111 ng
RT: 8.781 min Scan# 91
Delta R.T. -0.018 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

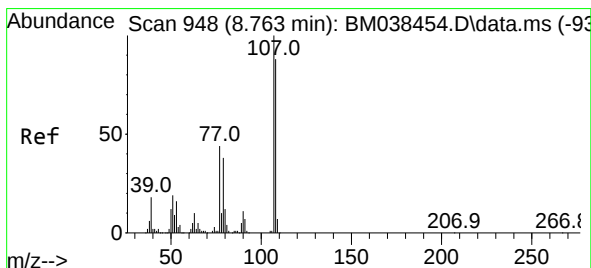
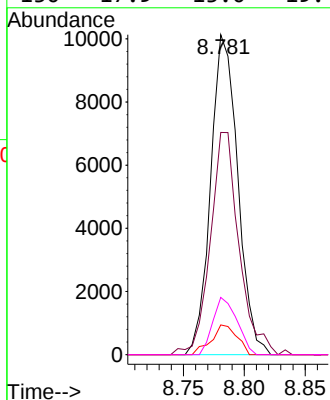
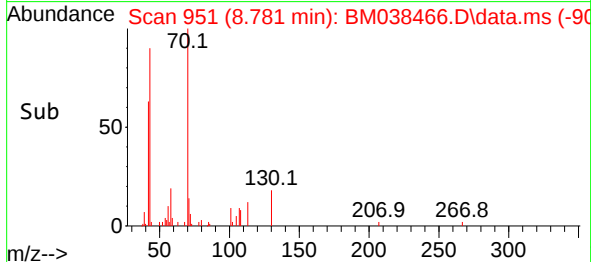
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



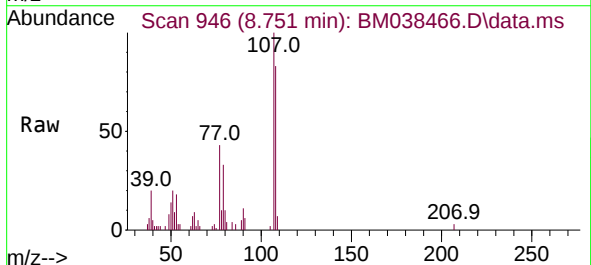
Tgt Ion: 70 Resp: 1570
Ion Ratio Lower Upper
70 100
42 69.4 54.2 81.2
101 9.3 6.6 10.0
130 17.9 13.0 19.4

Manual Integrations
APPROVED

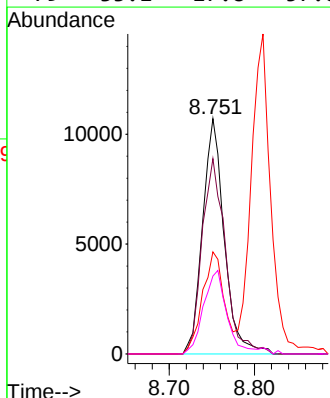
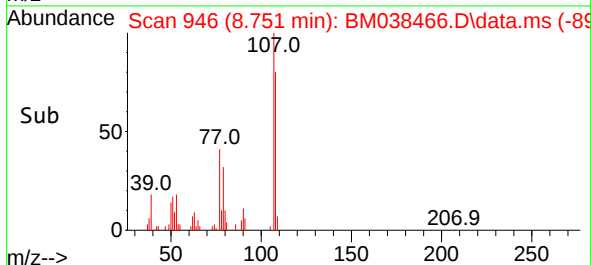
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

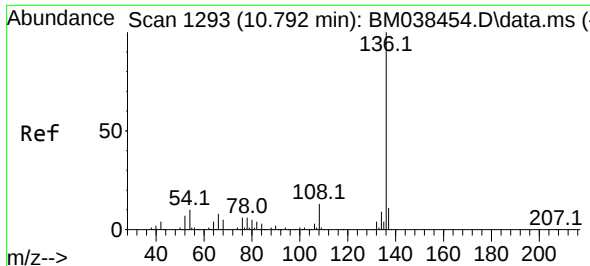


#20
3+4-Methylphenols
Concen: 3.800 ng
RT: 8.751 min Scan# 946
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16



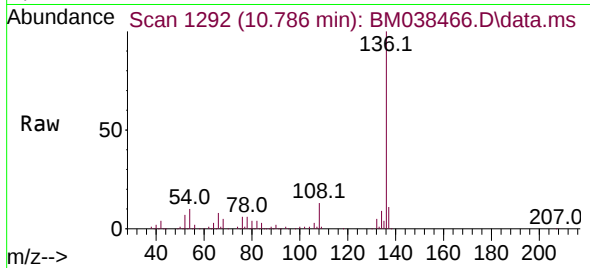
Tgt Ion:107 Resp: 18902
Ion Ratio Lower Upper
107 100
108 83.0 67.6 107.6
77 43.3 24.1 64.1
79 33.1 17.8 57.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

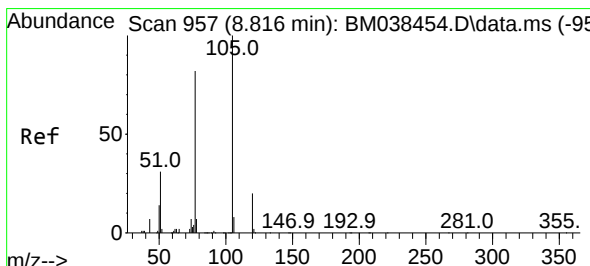
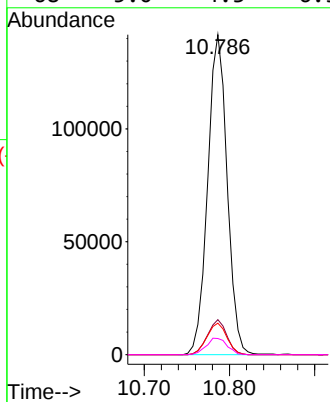
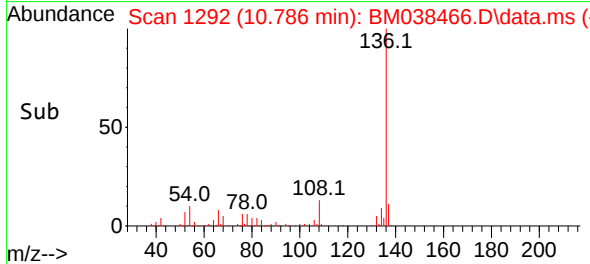
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion:136 Resp: 224585
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 9.8 7.6 11.4
68 5.0 4.3 6.5

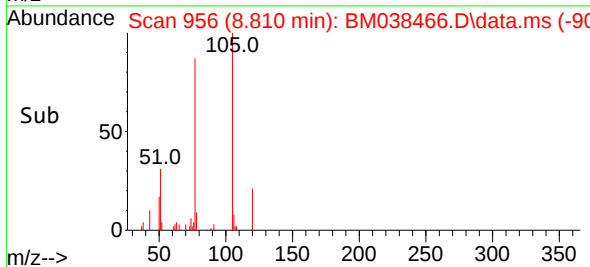
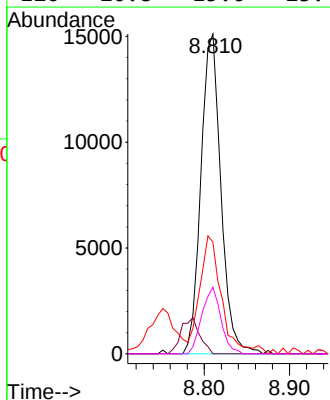
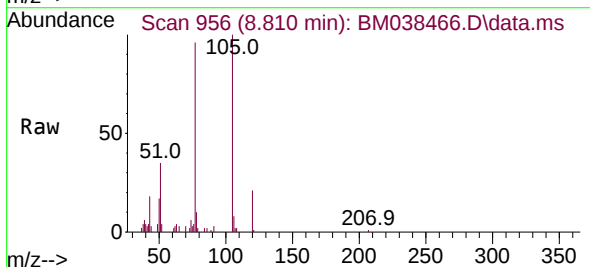
Manual Integrations
APPROVED

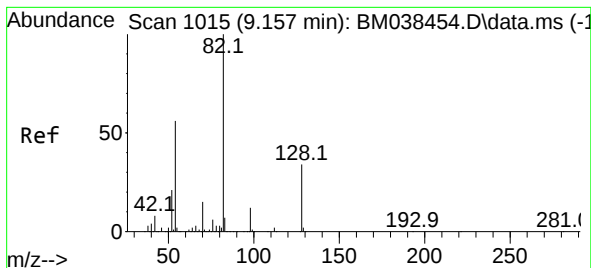
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#22
Acetophenone
Concen: 3.725 ng
RT: 8.810 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:105 Resp: 24729
Ion Ratio Lower Upper
105 100
71 0.0 1.0 1.6#
51 34.9 27.4 41.2
120 20.8 15.6 23.4





#23

Nitrobenzene-d5

Concen: 62.773 ng

RT: 9.145 min Scan# 1013

Delta R.T. -0.012 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

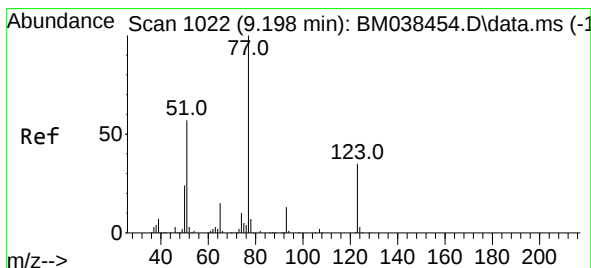
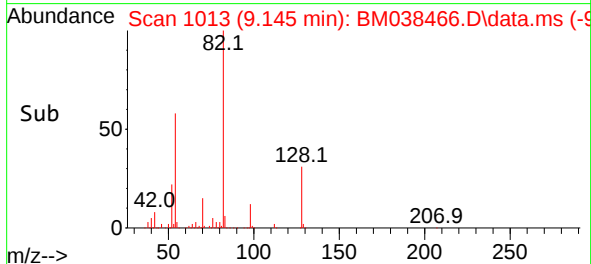
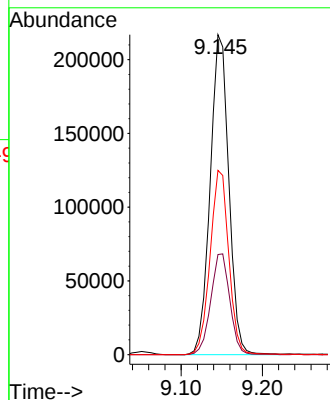
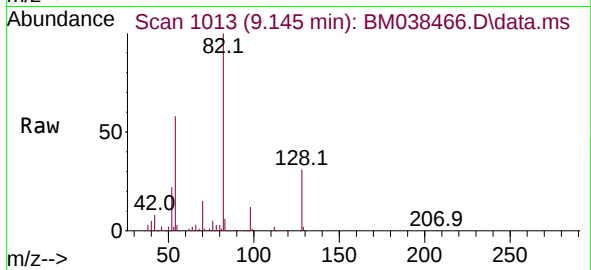
Tgt Ion: 82	Resp: 346002
Ion Ratio	Lower Upper
82 100	
128 31.3	27.0 40.6
54 57.6	45.0 67.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#24

Nitrobenzene

Concen: 4.669 ng

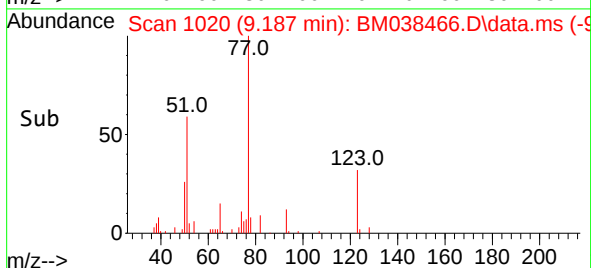
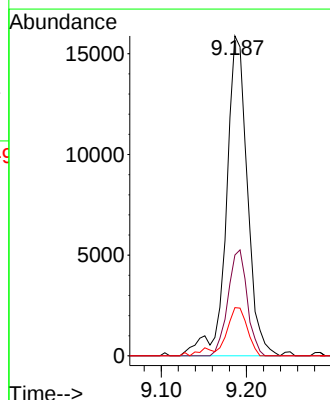
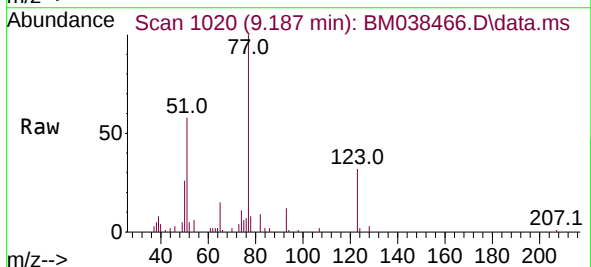
RT: 9.187 min Scan# 1020

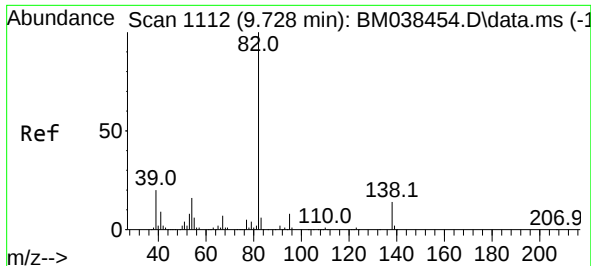
Delta R.T. -0.012 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

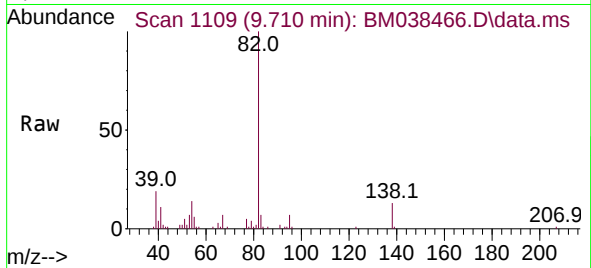
Tgt Ion: 77	Resp: 27190
Ion Ratio	Lower Upper
77 100	
123 31.5	28.2 42.4
65 15.1	12.1 18.1





#25
Isophorone
Concen: 4.012 ng
RT: 9.710 min Scan# 1109
Delta R.T. -0.018 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

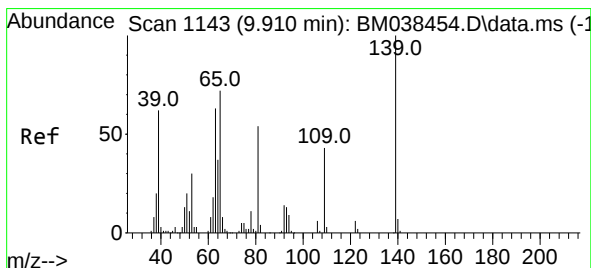
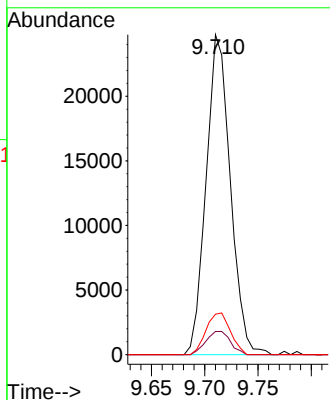
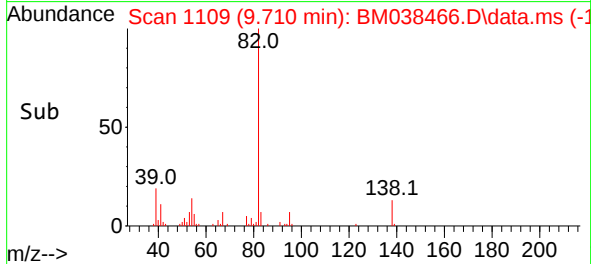
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion: 82 Resp: 3917
Ion Ratio Lower Upper
82 100
95 7.2 6.1 9.1
138 12.6 11.5 17.3

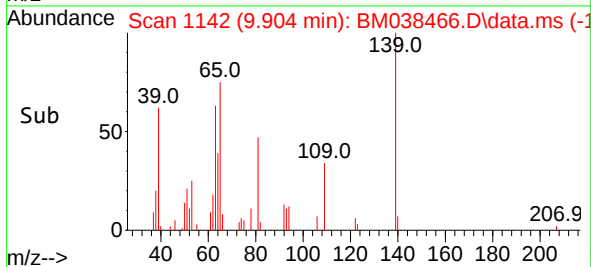
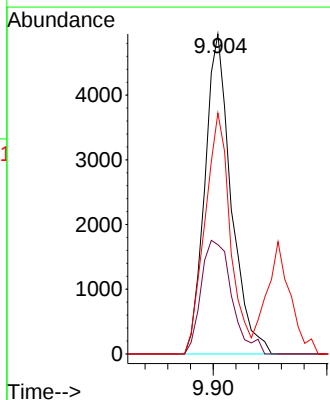
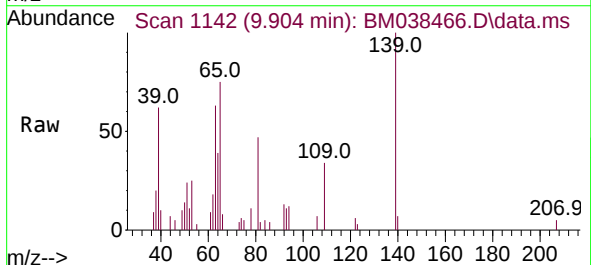
Manual Integrations
APPROVED

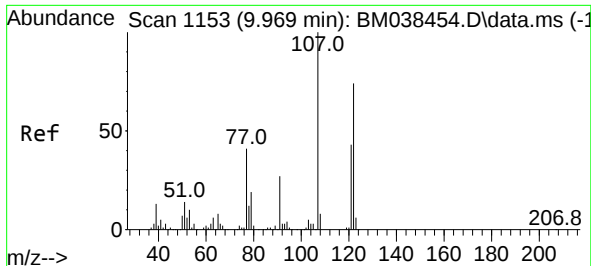
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#26
2-Nitrophenol
Concen: 3.886 ng
RT: 9.904 min Scan# 1142
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:139 Resp: 7946
Ion Ratio Lower Upper
139 100
109 34.1 34.7 52.1#
65 75.3 57.4 86.0





#27

2,4-Dimethylphenol

Concen: 3.993 ng

RT: 9.957 min Scan# 1151

Delta R.T. -0.012 min

Lab File: BM038466.D

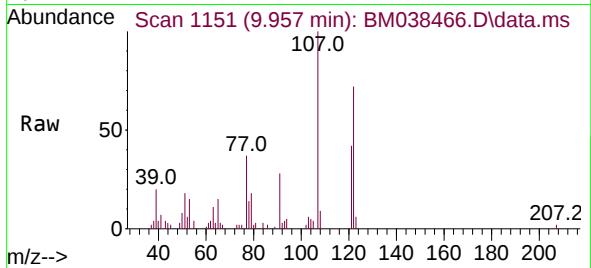
Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



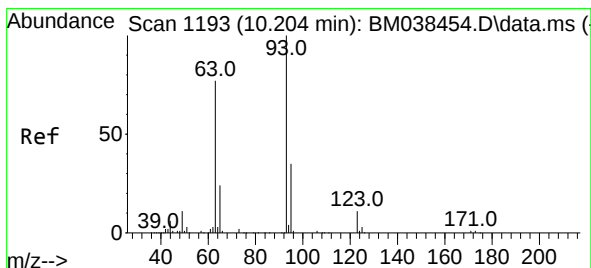
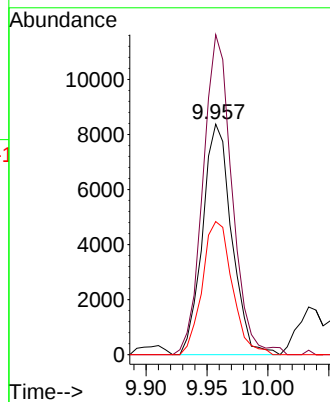
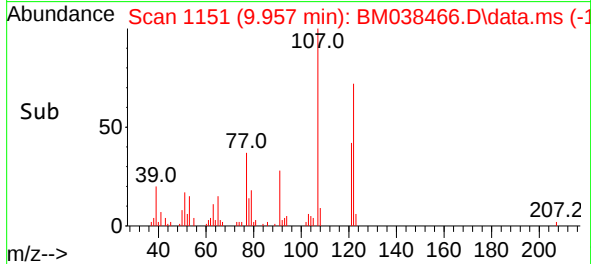
Tgt Ion:	122	Resp:	13903
Ion Ratio	Lower	Upper	
122	100		
107	138.8	107.4	161.0
121	57.7	46.6	70.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#28

bis(2-Chloroethoxy)methane

Concen: 4.155 ng

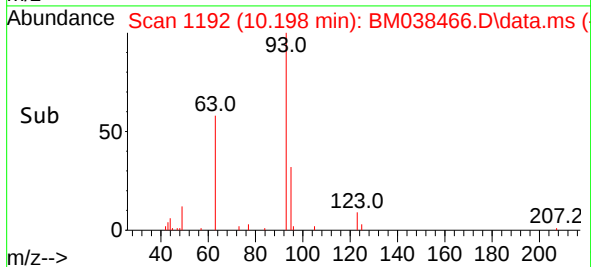
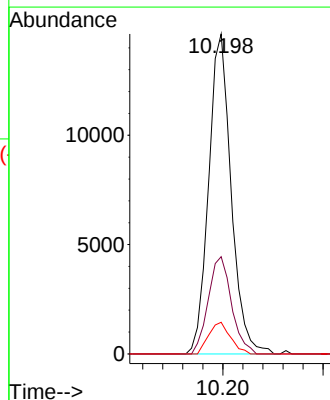
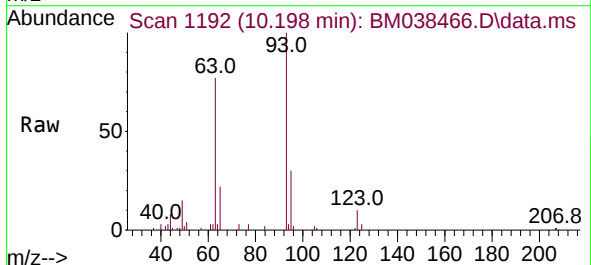
RT: 10.198 min Scan# 1192

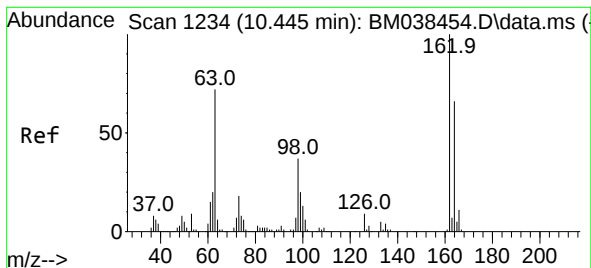
Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Tgt Ion:	93	Resp:	22816
Ion Ratio	Lower	Upper	
93	100		
95	30.4	27.7	41.5
123	9.9	8.6	13.0





#29

2,4-Dichlorophenol

Concen: 3.675 ng

RT: 10.434 min Scan# 1232

Delta R.T. -0.012 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

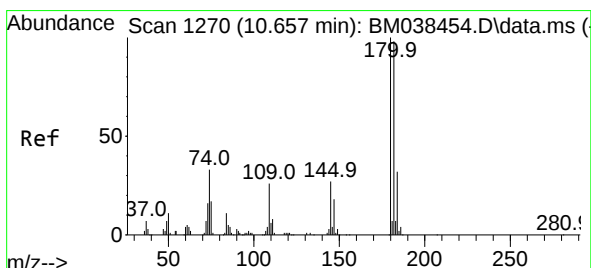
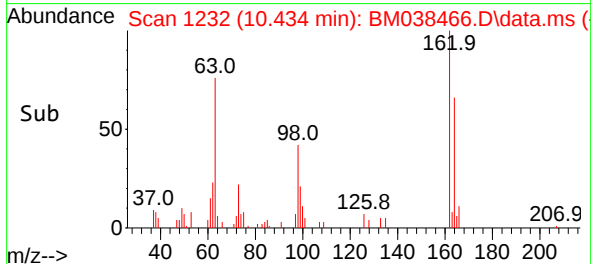
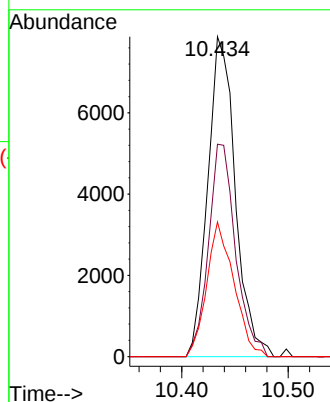
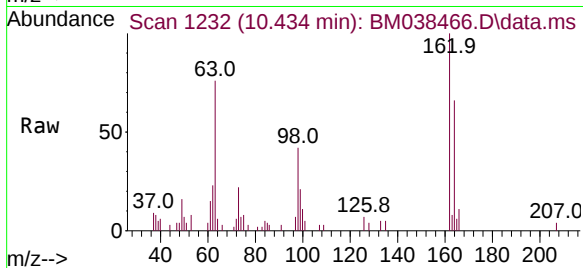
Tgt Ion:	162	Resp:	14135
Ion Ratio	Lower	Upper	
162	100		
164	66.4	46.5	86.5
98	42.1	17.1	57.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#30

1,2,4-Trichlorobenzene

Concen: 4.277 ng

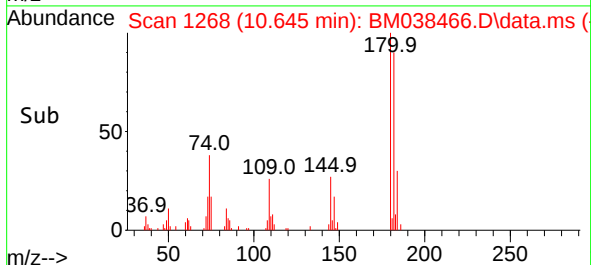
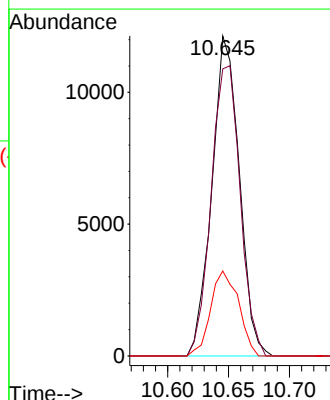
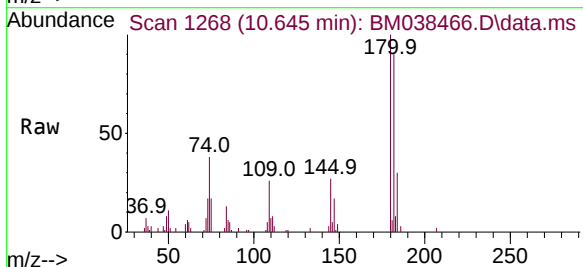
RT: 10.645 min Scan# 1268

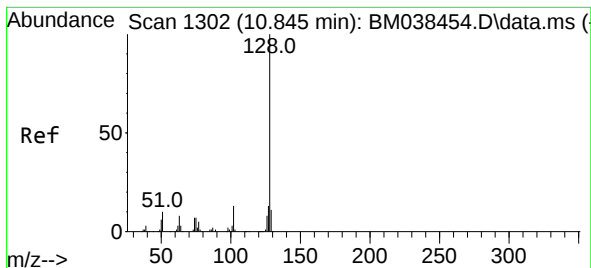
Delta R.T. -0.012 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Tgt Ion:	180	Resp:	19023
Ion Ratio	Lower	Upper	
180	100		
182	89.7	78.1	117.1
145	26.5	21.9	32.9





#31

Naphthalene

Concen: 4.183 ng

RT: 10.839 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

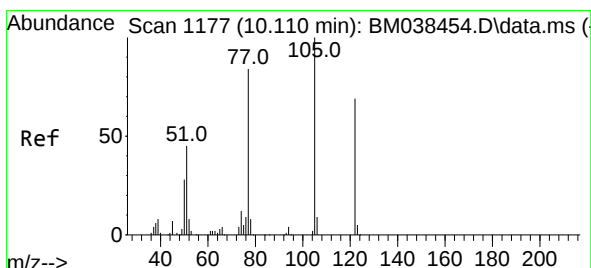
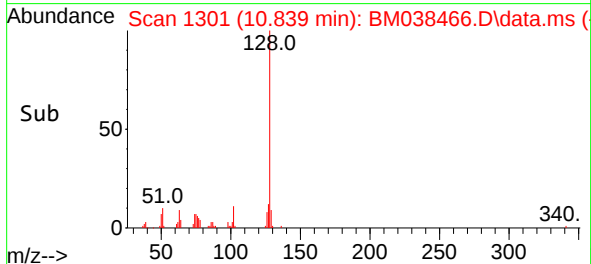
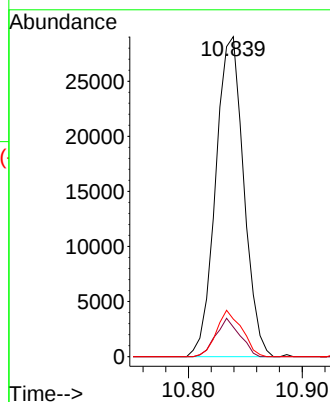
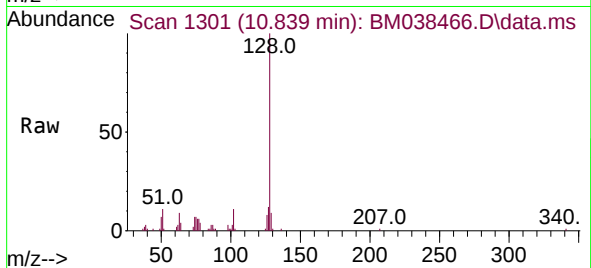
LOQ-SOIL-02-QT3-2022

Tgt Ion:128 Resp: 49792
 Ion Ratio Lower Upper
 128 100
 129 9.2 8.9 13.3
 127 11.7 10.8 16.2

Manual Integrations

APPROVED

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



#32

Benzoic acid

Concen: 6.594 ng m

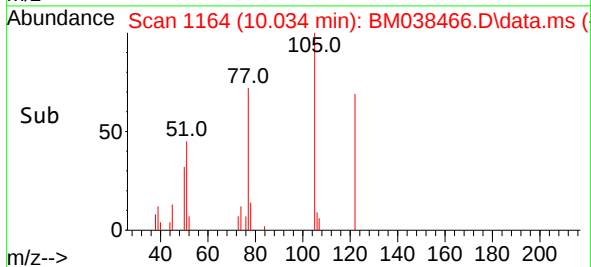
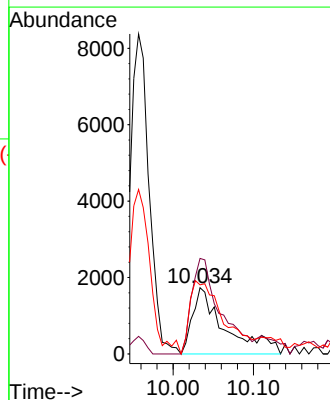
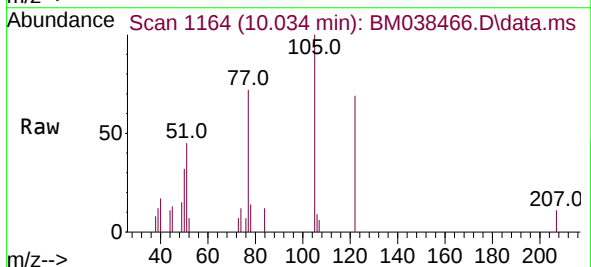
RT: 10.034 min Scan# 1164

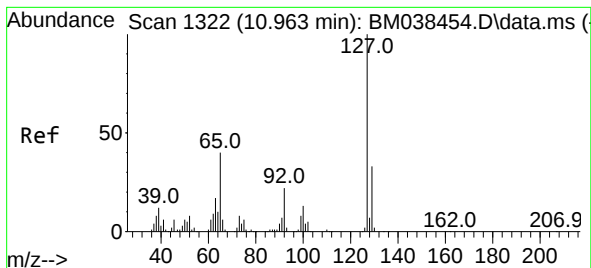
Delta R.T. -0.076 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Tgt Ion:122 Resp: 4853
 Ion Ratio Lower Upper
 122 100
 105 144.3 122.6 162.6
 77 104.3 101.5 141.5





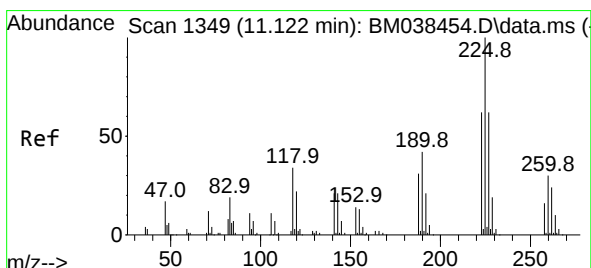
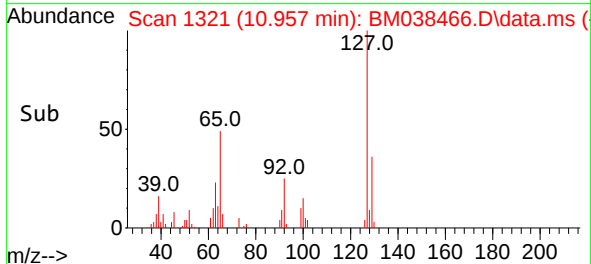
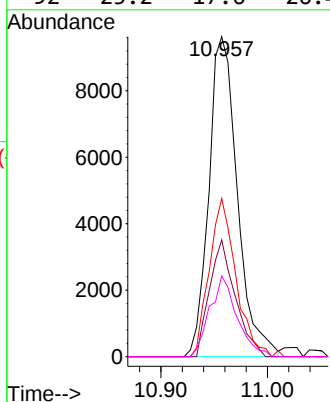
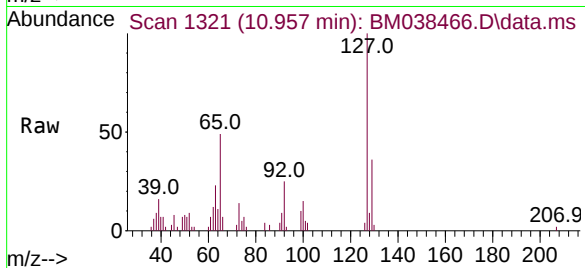
#33
4-Chloroaniline
Concen: 3.426 ng
RT: 10.957 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:	127	Resp:	1789
Ion Ratio	Lower	Upper	
127	100		
129	36.5	26.4	39.6
65	49.4	32.1	48.1
92	25.2	17.6	26.4

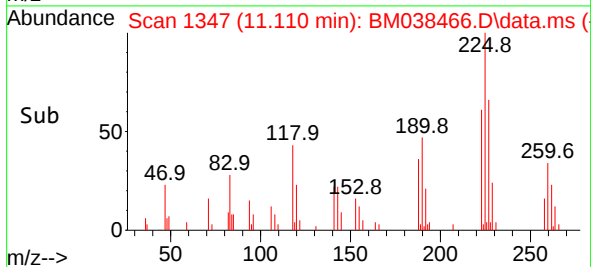
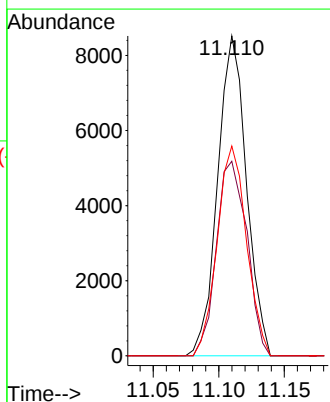
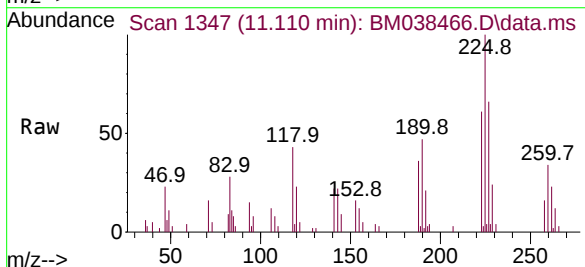
Manual Integrations
APPROVED

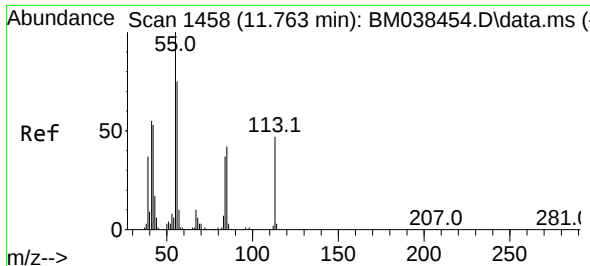
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#34
Hexachlorobutadiene
Concen: 4.180 ng
RT: 11.110 min Scan# 1347
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

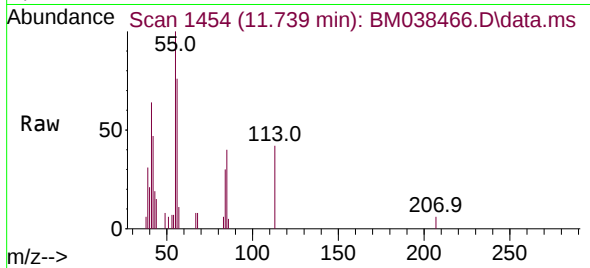
Tgt Ion:	225	Resp:	13037
Ion Ratio	Lower	Upper	
225	100		
223	58.5	49.8	74.8
227	66.7	49.6	74.4





#35
Caprolactam
Concen: 2.692 ng
RT: 11.739 min Scan# 1454
Delta R.T. -0.024 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

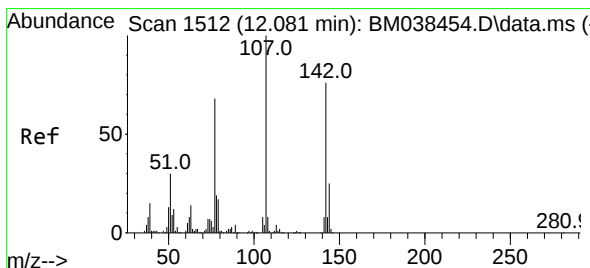
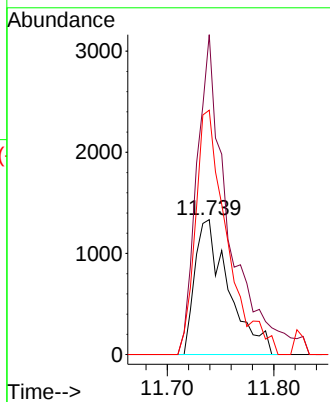
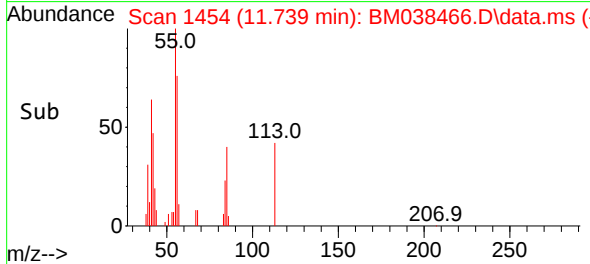
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:113 Resp: 2926
Ion Ratio Lower Upper
113 100
55 237.0 194.2 234.2
56 181.0 141.6 181.6

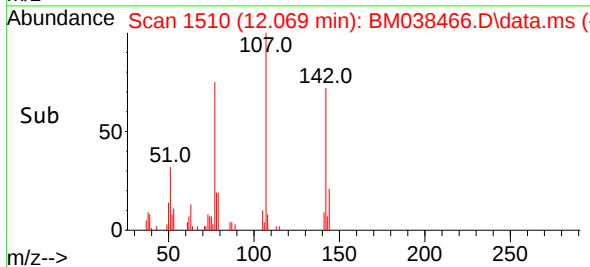
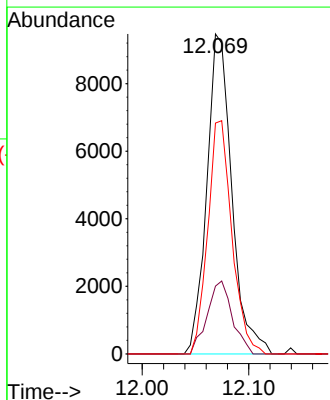
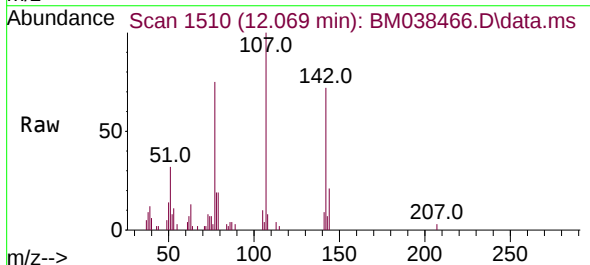
Manual Integrations
APPROVED

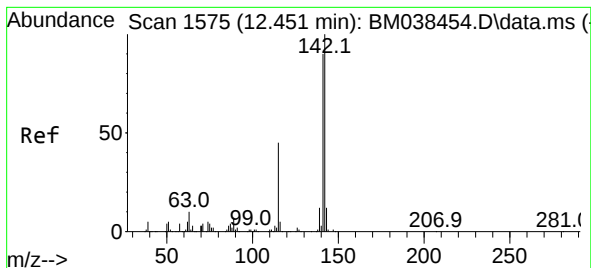
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#36
4-Chloro-3-methylphenol
Concen: 3.693 ng
RT: 12.069 min Scan# 1510
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

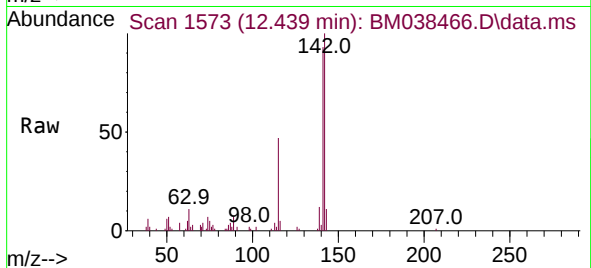
Tgt Ion:107 Resp: 15488
Ion Ratio Lower Upper
107 100
144 21.2 20.3 30.5
142 72.1 61.2 91.8





#37
2-Methylnaphthalene
Concen: 3.644 ng
RT: 12.439 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

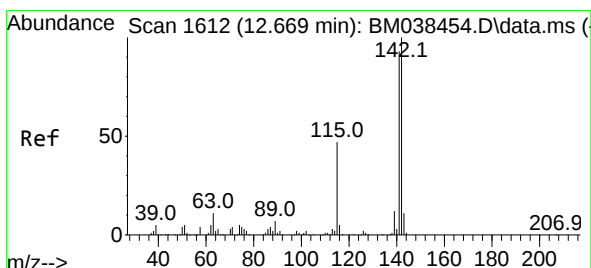
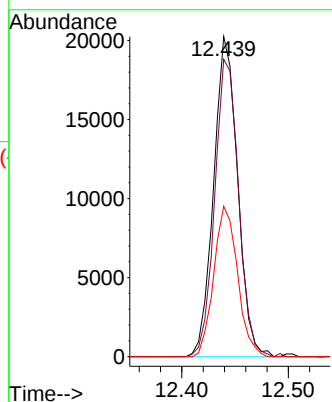
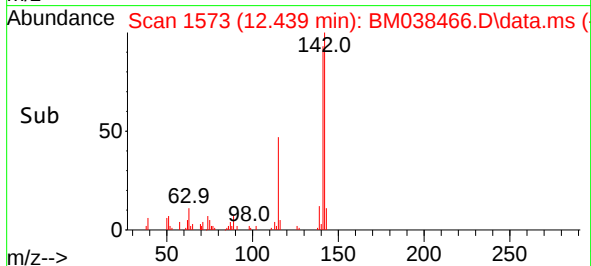
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



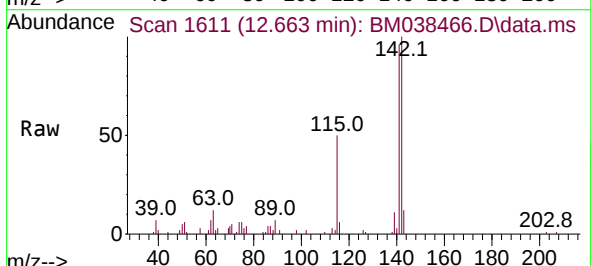
Tgt Ion:142 Resp: 31713
Ion Ratio Lower Upper
142 100
141 92.9 72.0 108.0
115 47.0 35.9 53.9

Manual Integrations
APPROVED

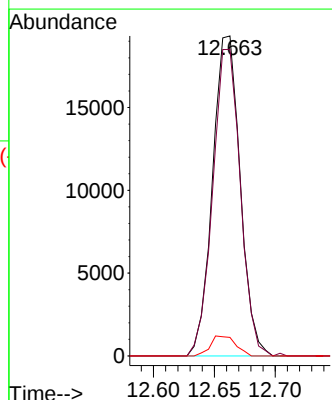
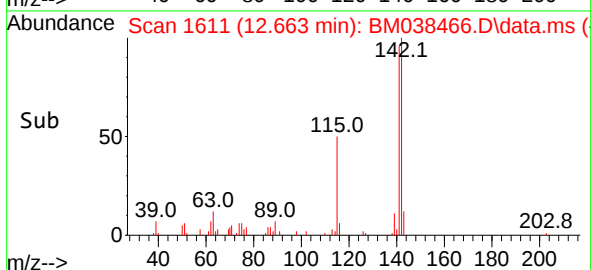
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

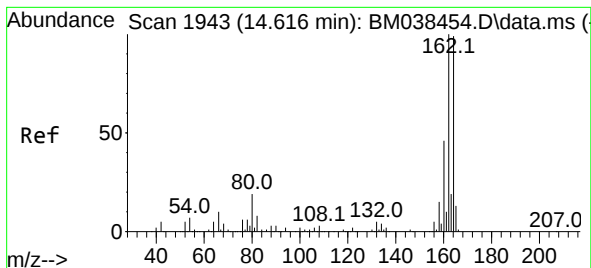


#38
1-Methylnaphthalene
Concen: 3.734 ng
RT: 12.663 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16



Tgt Ion:142 Resp: 30505
Ion Ratio Lower Upper
142 100
141 95.8 74.4 111.6
116 5.8 3.8 5.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.610 min Scan# 1943

Delta R.T. -0.006 min

Lab File: BM038466.D

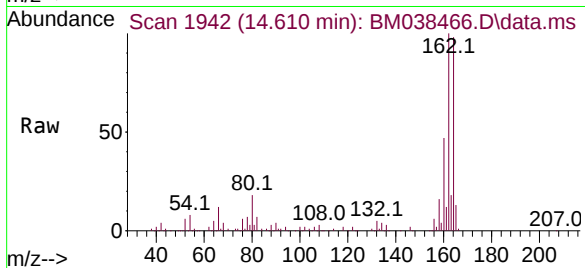
Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion:164 Resp: 137585

Ion Ratio Lower Upper

164 100

162 102.3 80.9 121.3

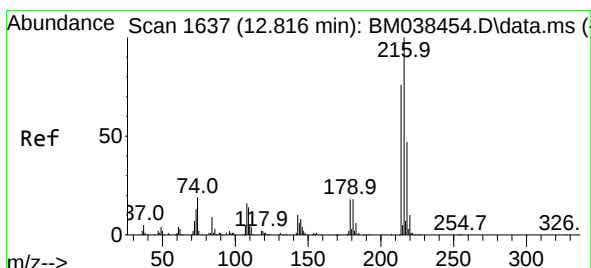
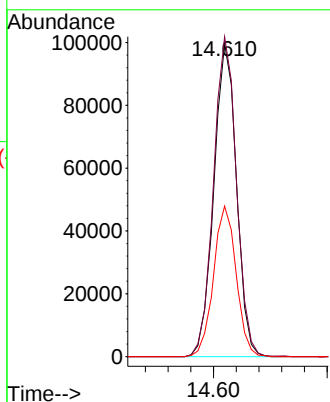
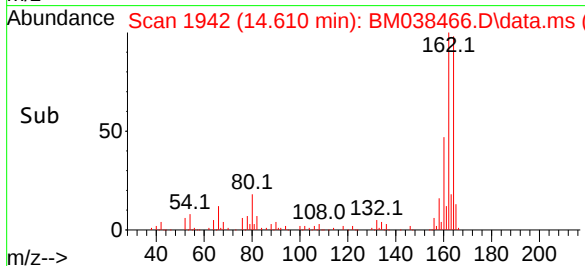
160 48.1 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.543 ng

RT: 12.810 min Scan# 1636

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Tgt Ion:216 Resp: 18243

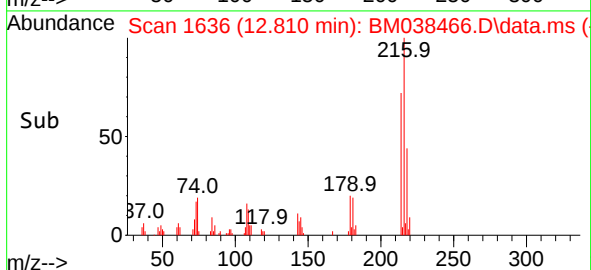
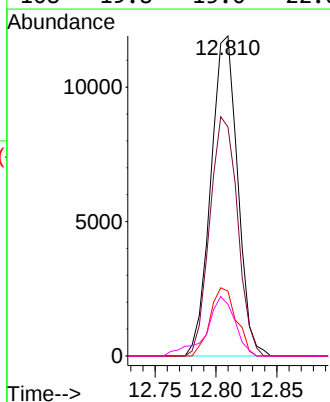
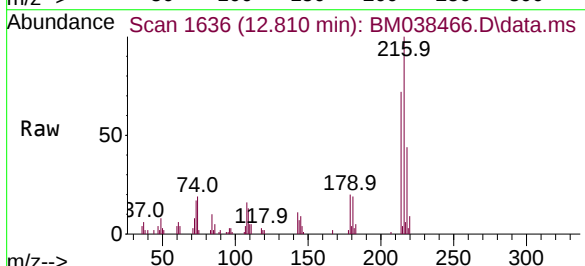
Ion Ratio Lower Upper

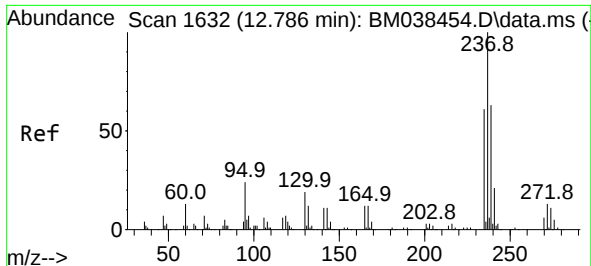
216 100

214 77.1 61.4 92.0

179 20.7 15.3 22.9

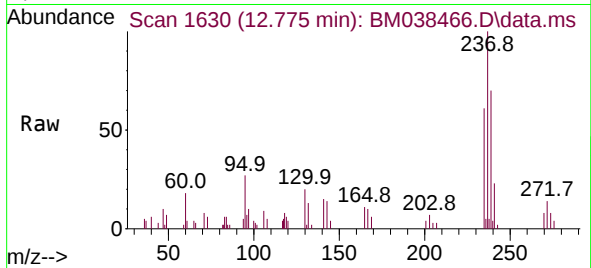
108 19.8 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 3.944 ng
RT: 12.775 min Scan# 1630
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

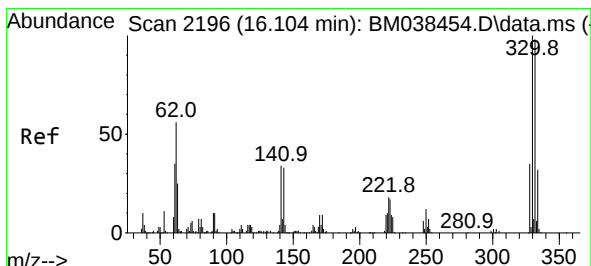
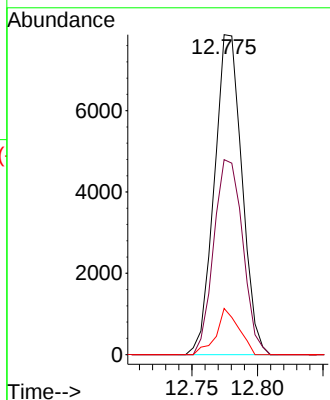
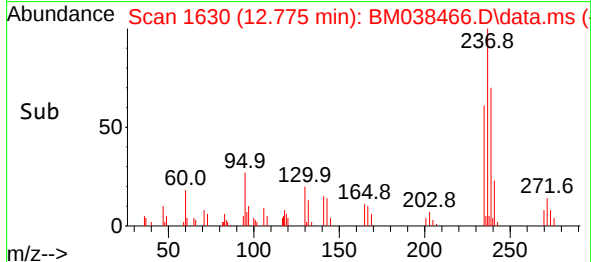
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 237 Resp: 11549
Ion Ratio Lower Upper
237 100
235 60.9 40.9 80.9
272 14.4 0.0 32.6

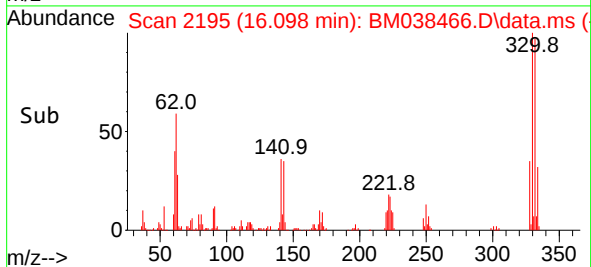
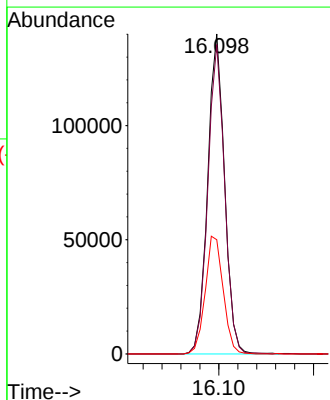
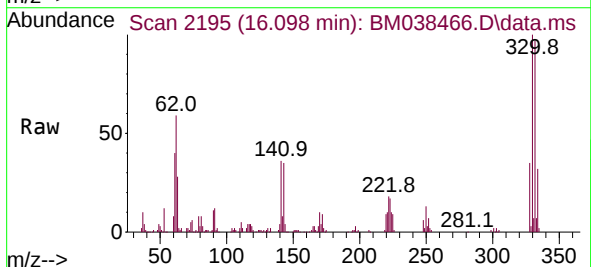
Manual Integrations
APPROVED

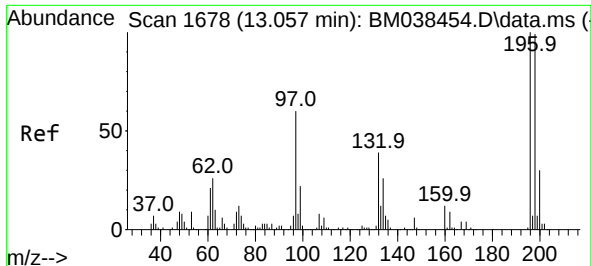
Reviewed By : Christian Giraldo 01/24/2023
Supervised By : Jagrut Upadhyay 01/27/2023



#42
2,4,6-Tribromophenol
Concen: 74.673 ng
RT: 16.098 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

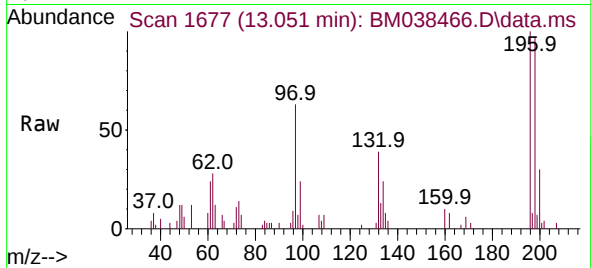
Tgt Ion: 330 Resp: 173681
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.4
141 39.1 28.1 42.1





#43
2,4,6-Trichlorophenol
Concen: 3.709 ng
RT: 13.051 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

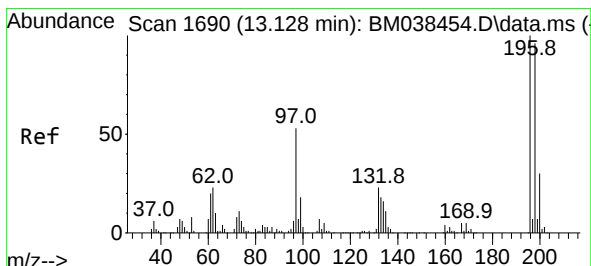
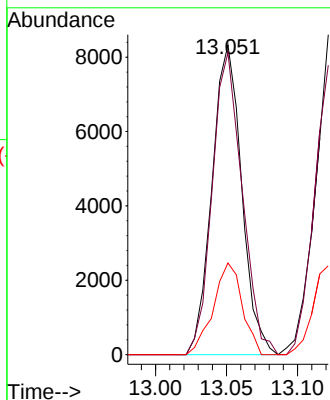
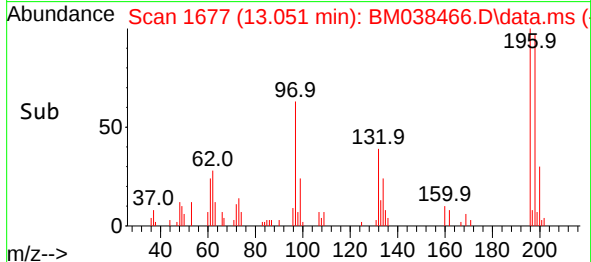
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



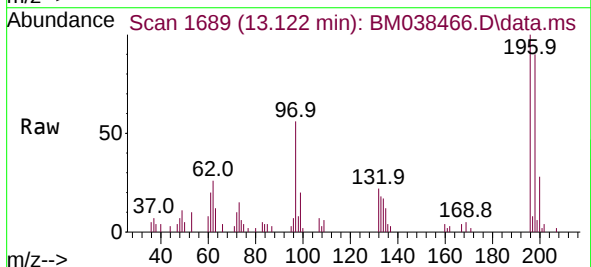
Tgt Ion:196 Resp: 12074
Ion Ratio Lower Upper
196 100
198 97.5 78.8 118.2
200 29.6 24.4 36.6

Manual Integrations
APPROVED

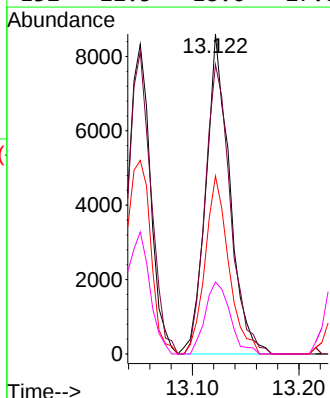
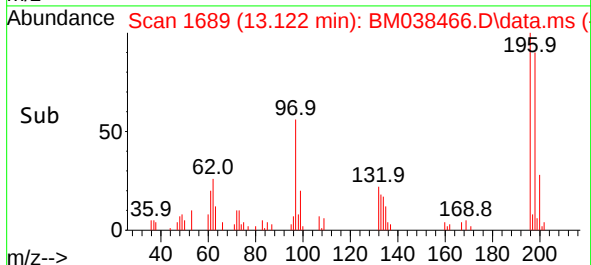
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

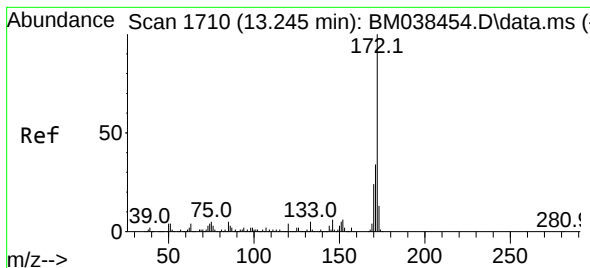


#44
2,4,5-Trichlorophenol
Concen: 3.485 ng
RT: 13.122 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16



Tgt Ion:196 Resp: 13374
Ion Ratio Lower Upper
196 100
198 90.5 77.4 116.2
97 55.6 42.4 63.6
132 22.5 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 59.315 ng

RT: 13.239 min Scan# 1709

Delta R.T. -0.006 min

Lab File: BM038466.D

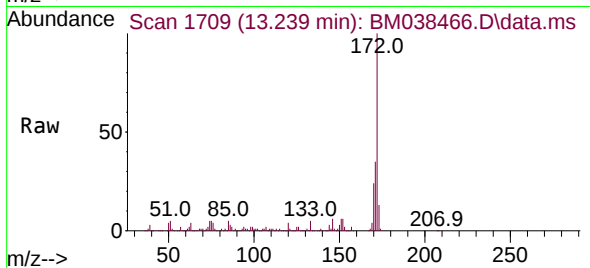
Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion:172 Resp: 65438

Ion Ratio Lower Upper

172 100

171 35.1 27.5 41.3

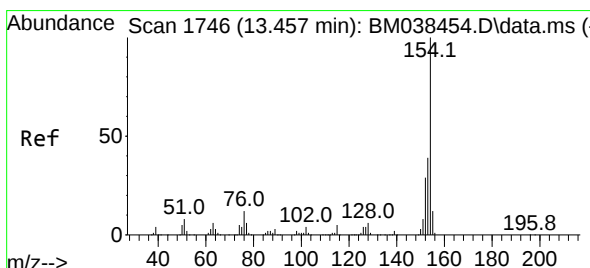
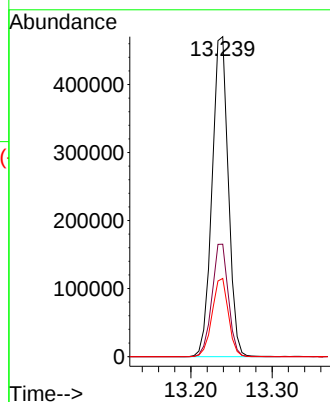
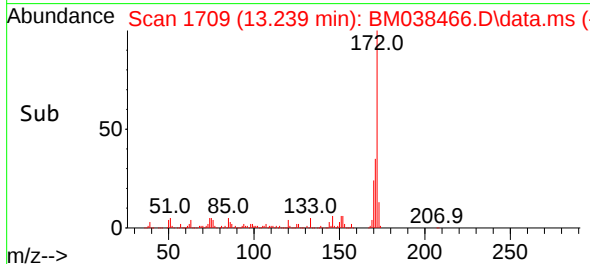
170 24.4 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#46

1,1'-Biphenyl

Concen: 3.569 ng

RT: 13.445 min Scan# 1744

Delta R.T. -0.012 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

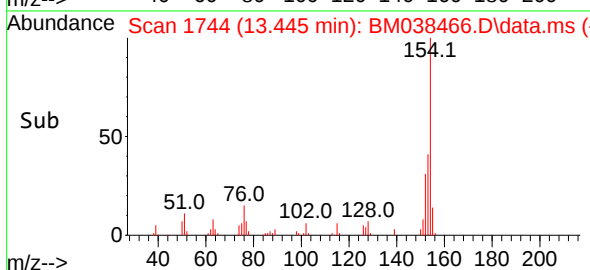
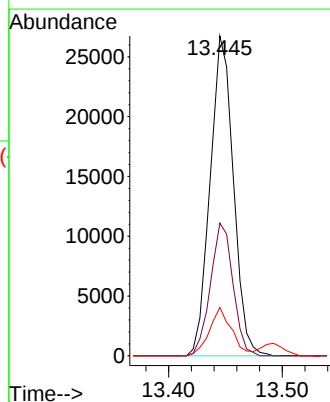
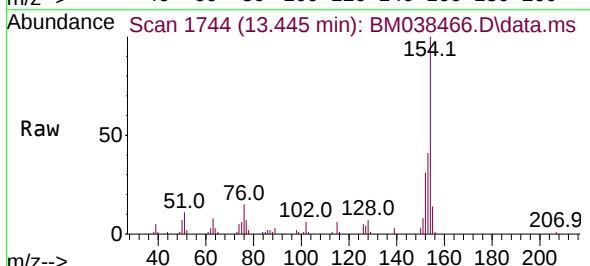
Tgt Ion:154 Resp: 38095

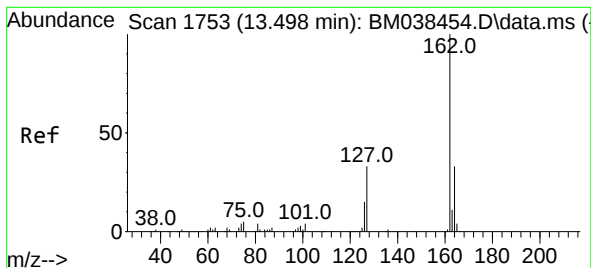
Ion Ratio Lower Upper

154 100

153 41.5 19.3 59.3

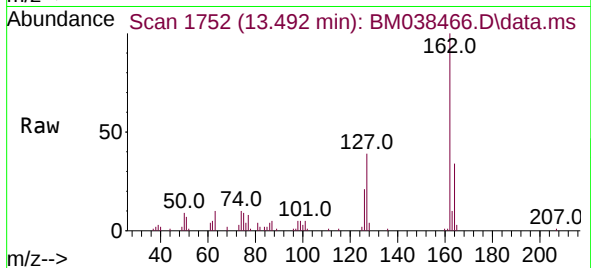
76 15.1 0.0 32.2





#47
2-Chloronaphthalene
Concen: 4.209 ng
RT: 13.492 min Scan# 1752
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

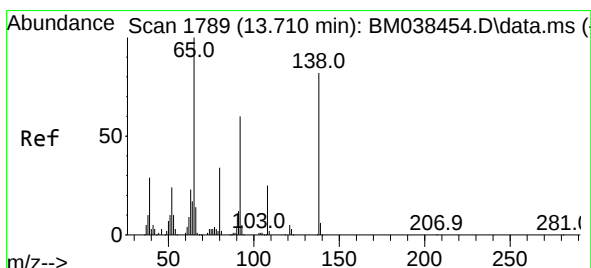
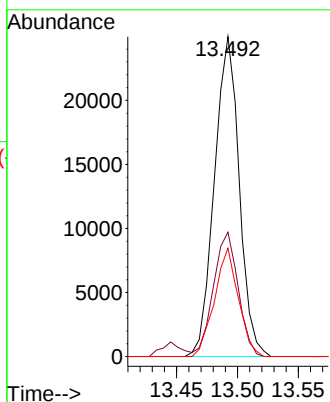
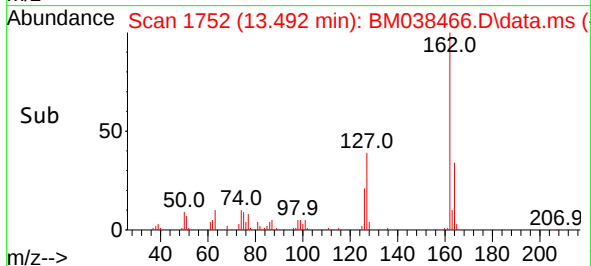
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2022



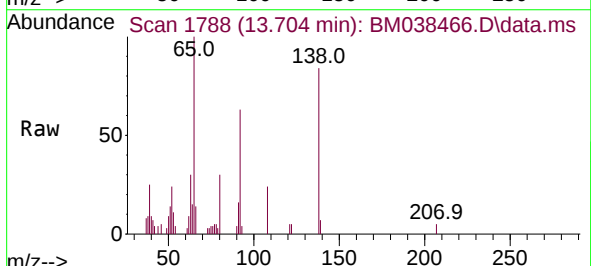
Tgt Ion:162 Resp: 35362
Ion Ratio Lower Upper
162 100
127 38.9 29.5 44.3
164 33.9 26.2 39.4

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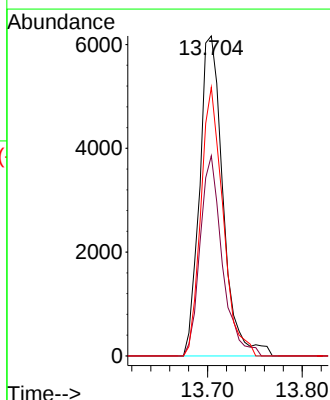
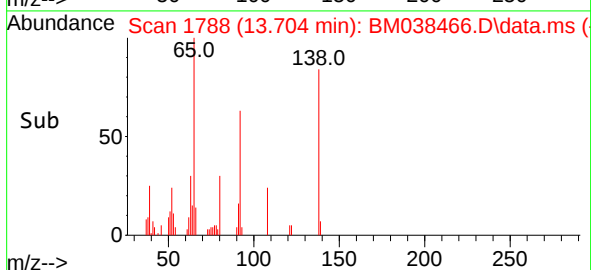
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

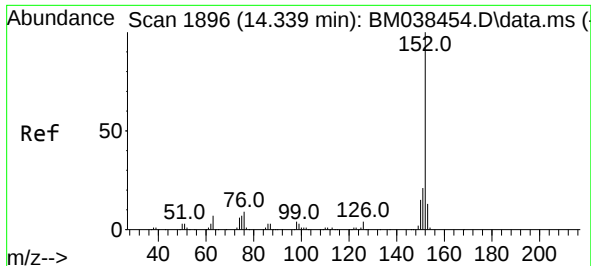


#48
2-Nitroaniline
Concen: 5.285 ng
RT: 13.704 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16



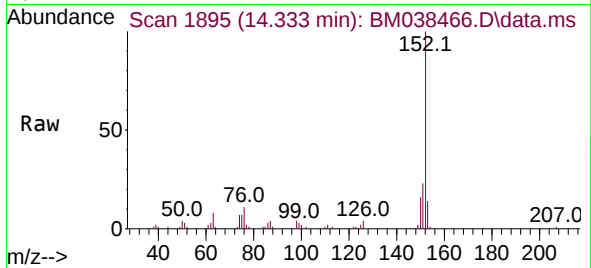
Tgt Ion: 65 Resp: 10622
Ion Ratio Lower Upper
65 100
92 62.5 47.6 71.4
138 83.9 65.8 98.8





#49
Acenaphthylene
Concen: 3.757 ng
RT: 14.333 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

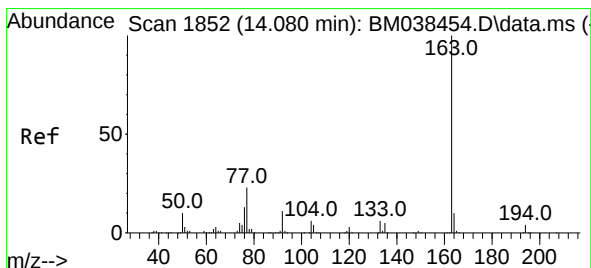
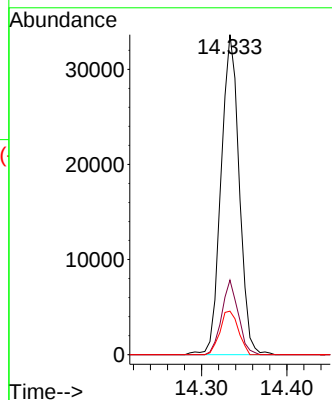
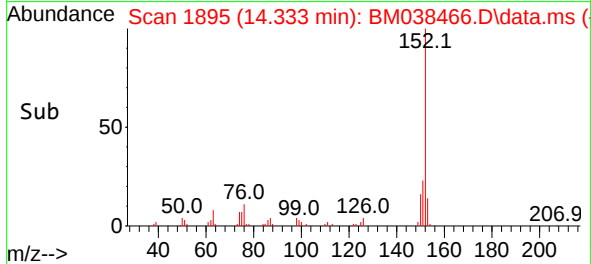
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2022



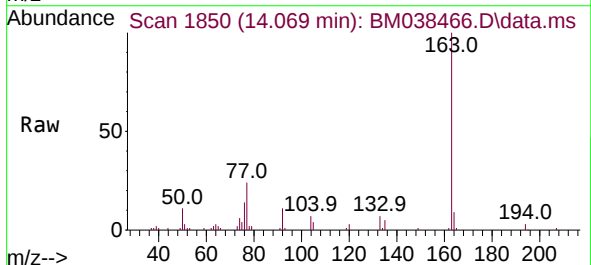
Tgt Ion:152 Resp: 49764
Ion Ratio Lower Upper
152 100
151 23.3 16.4 24.6
153 13.6 10.6 15.8

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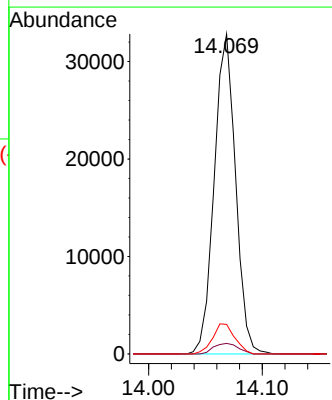
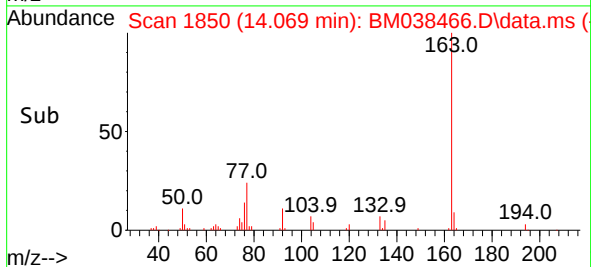
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

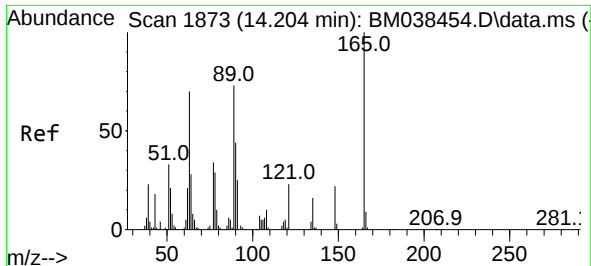


#50
Dimethylphthalate
Concen: 3.835 ng
RT: 14.069 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16



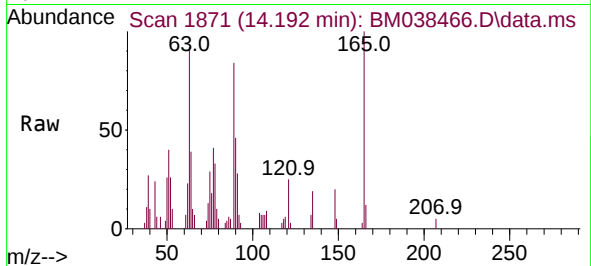
Tgt Ion:163 Resp: 42762
Ion Ratio Lower Upper
163 100
194 3.3 3.6 5.4#
164 9.2 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 3.648 ng
RT: 14.192 min Scan# 1873
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

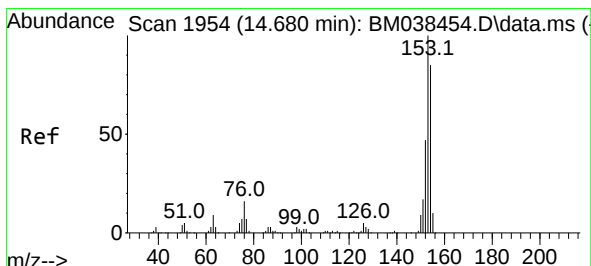
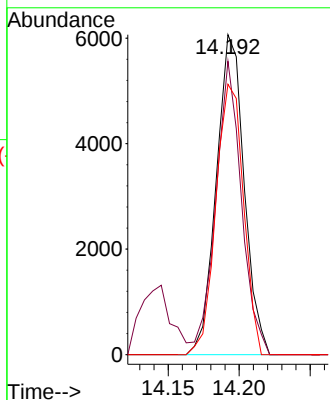
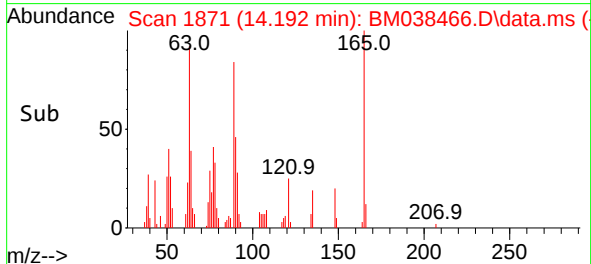
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



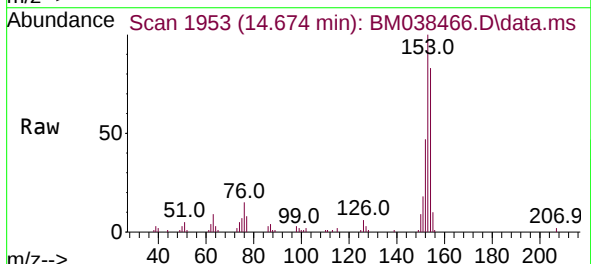
Tgt Ion:165 Resp: 8274
Ion Ratio Lower Upper
165 100
63 91.7 60.9 91.3
89 84.5 58.6 87.8

Manual Integrations
APPROVED

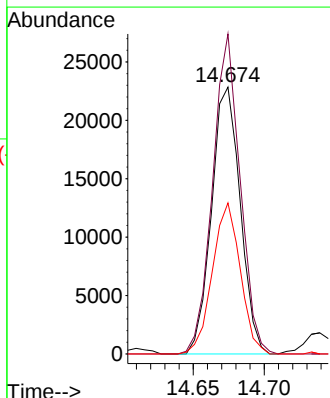
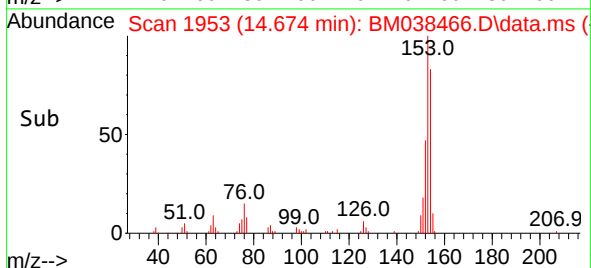
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

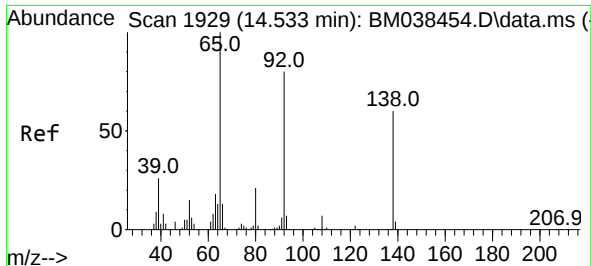


#52
Acenaphthene
Concen: 3.992 ng
RT: 14.674 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16



Tgt Ion:154 Resp: 32135
Ion Ratio Lower Upper
154 100
153 119.9 93.8 140.6
152 56.6 44.2 66.4





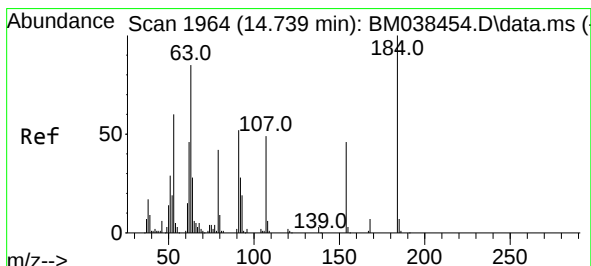
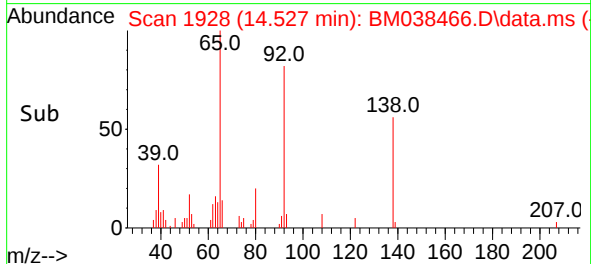
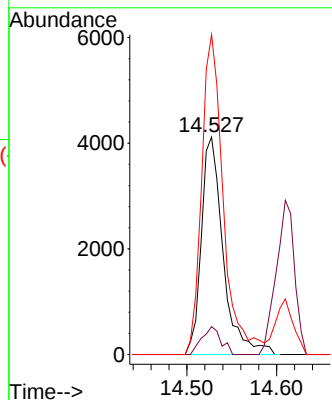
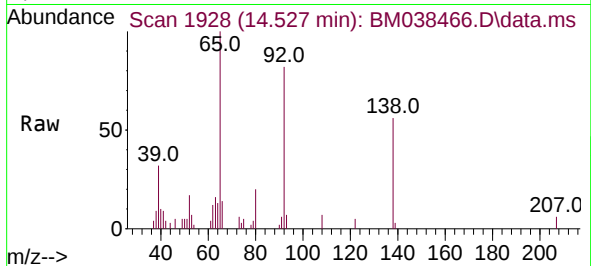
#53
3-Nitroaniline
Concen: 5.278 ng
RT: 14.527 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:138 Resp: 6946
Ion Ratio Lower Upper
138 100
108 12.8 8.9 13.3
92 147.1 106.4 159.6

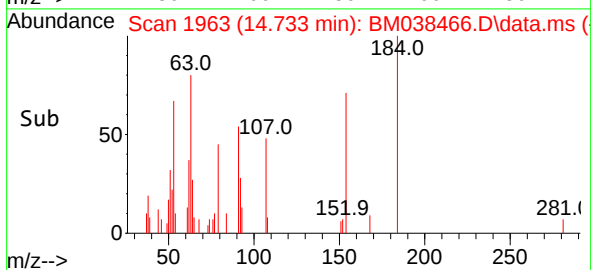
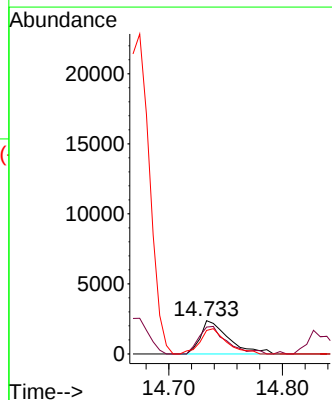
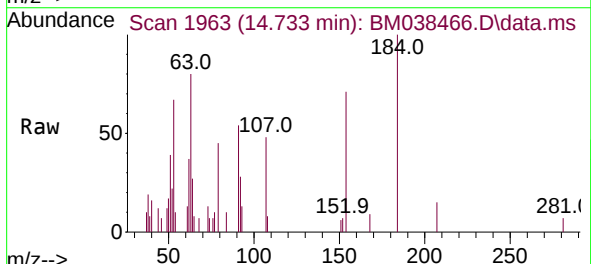
Manual Integrations
APPROVED

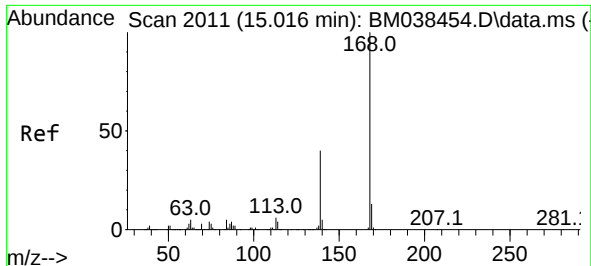
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#54
2,4-Dinitrophenol
Concen: 7.516 ng
RT: 14.733 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

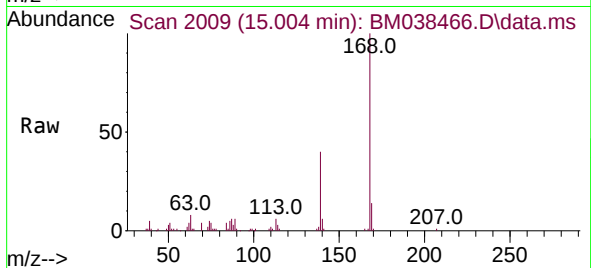
Tgt Ion:184 Resp: 4075
Ion Ratio Lower Upper
184 100
63 80.4 70.0 105.0
154 70.7 55.6 83.4





#55
Dibenzenofuran
Concen: 3.904 ng
RT: 15.004 min Scan# 2011
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

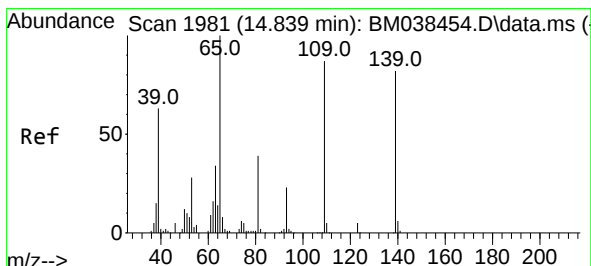
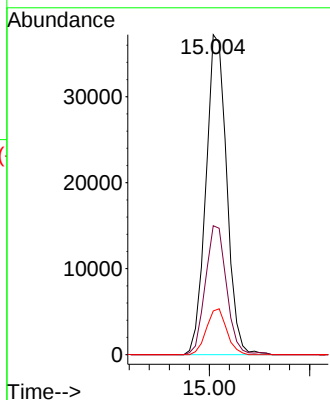
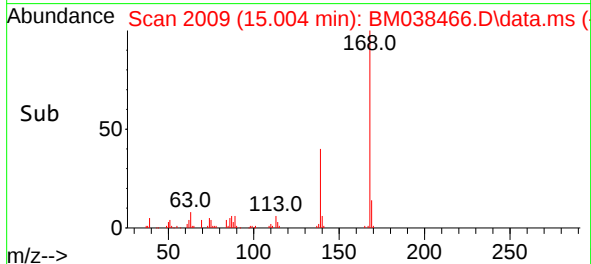
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:168 Resp: 53507
Ion Ratio Lower Upper
168 100
139 40.3 31.9 47.9
169 13.6 10.5 15.7

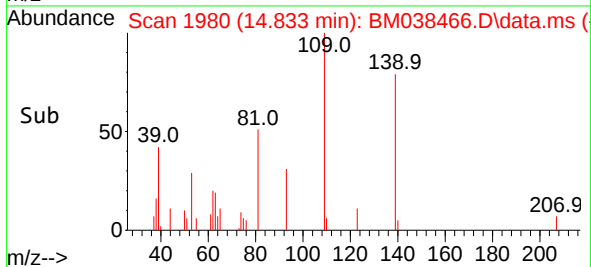
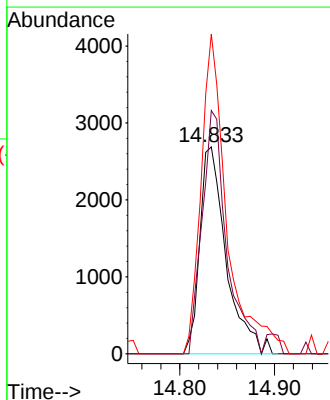
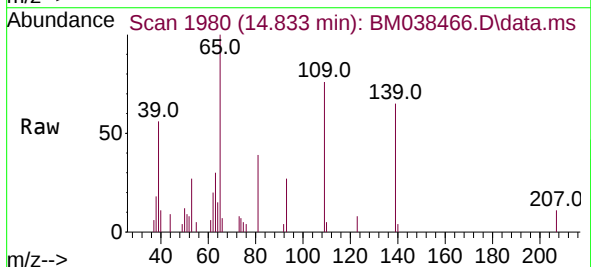
Manual Integrations
APPROVED

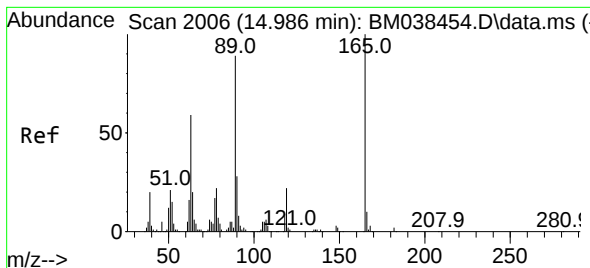
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#56
4-Nitrophenol
Concen: 6.337 ng
RT: 14.833 min Scan# 1980
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

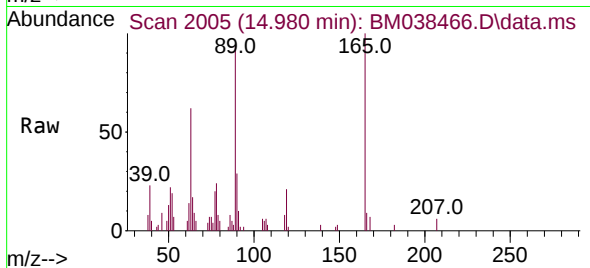
Tgt Ion:139 Resp: 5194
Ion Ratio Lower Upper
139 100
109 117.6 86.0 126.0
65 154.6 102.7 142.7#





#57
2,4-Dinitrotoluene
Concen: 3.086 ng
RT: 14.980 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

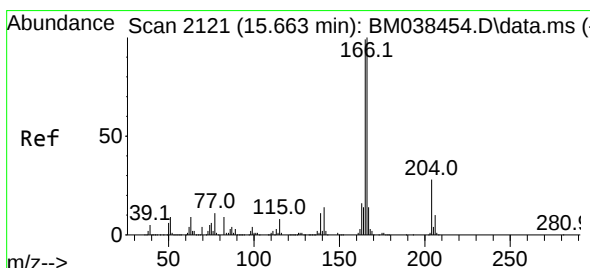
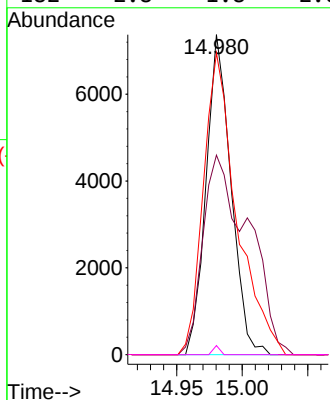
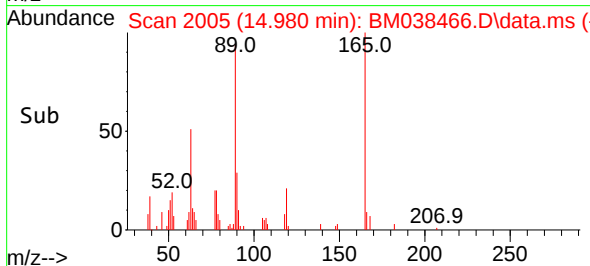
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:165 Resp: 9730
Ion Ratio Lower Upper
165 100
63 62.3 47.7 71.5
89 94.3 71.5 107.3
182 2.8 1.8 2.6#

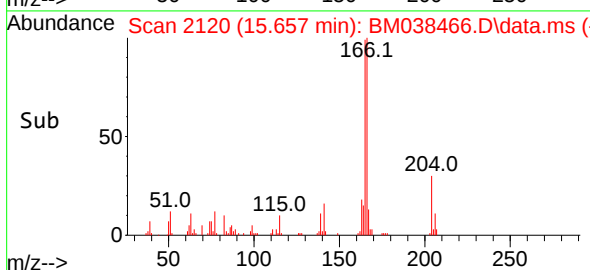
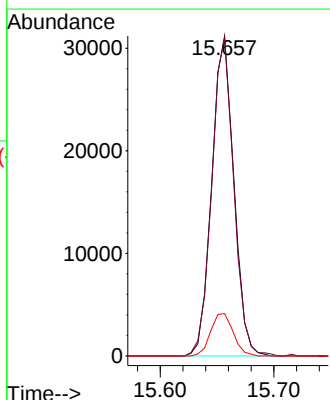
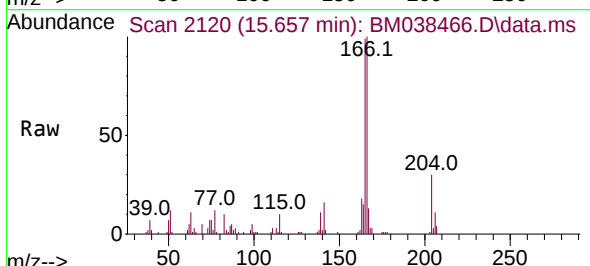
Manual Integrations
APPROVED

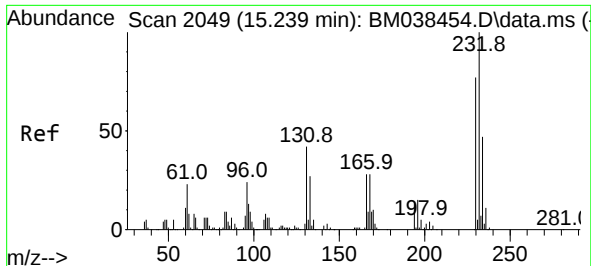
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#58
Fluorene
Concen: 3.666 ng
RT: 15.657 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

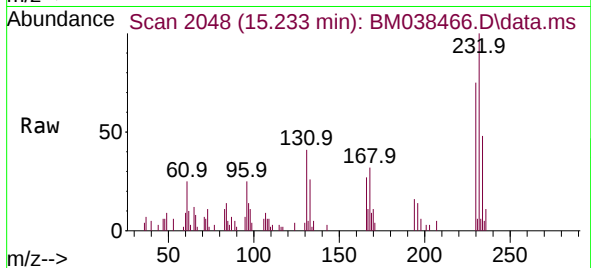
Tgt Ion:166 Resp: 41983
Ion Ratio Lower Upper
166 100
165 99.4 79.2 118.8
167 13.2 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.350 ng
RT: 15.233 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

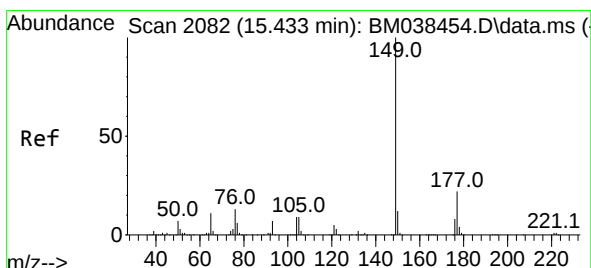
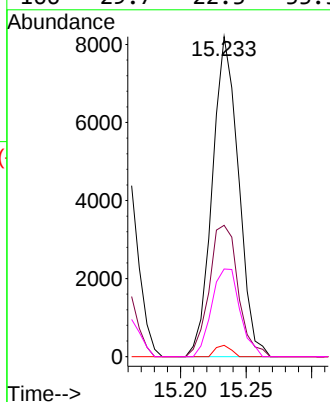
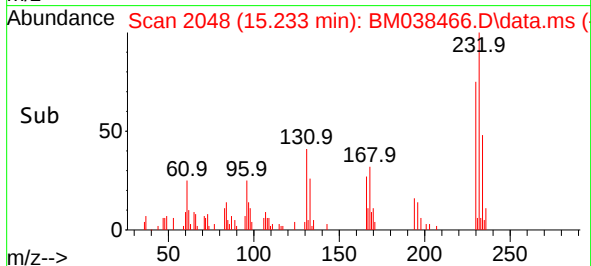
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:232 Resp: 11399
Ion Ratio Lower Upper
232 100
131 45.4 33.8 50.6
130 2.1 1.9 2.9
166 29.7 22.3 33.5

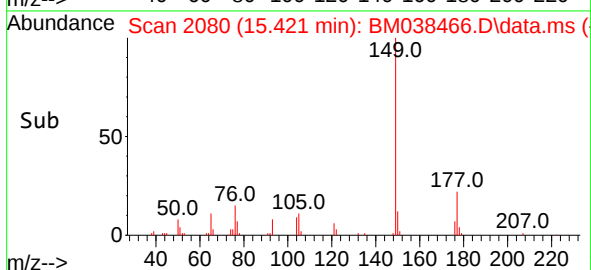
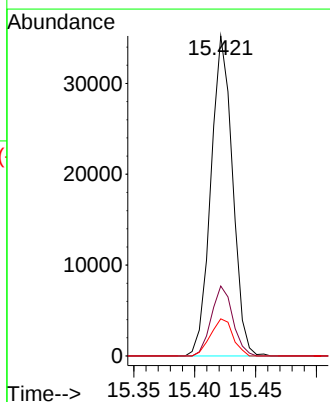
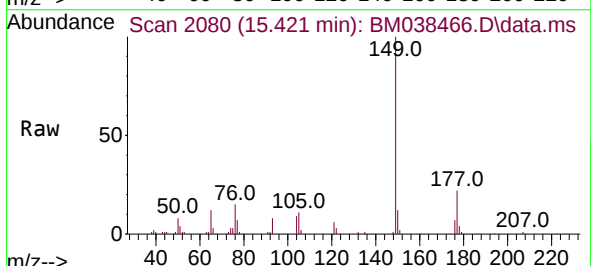
Manual Integrations
APPROVED

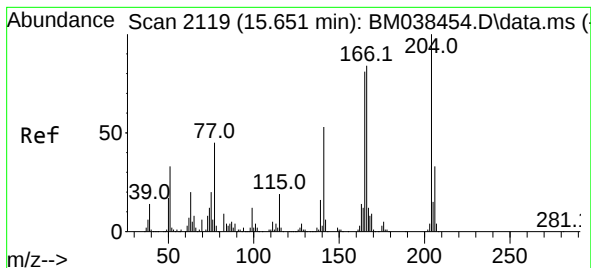
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#60
Diethylphthalate
Concen: 3.814 ng
RT: 15.421 min Scan# 2080
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

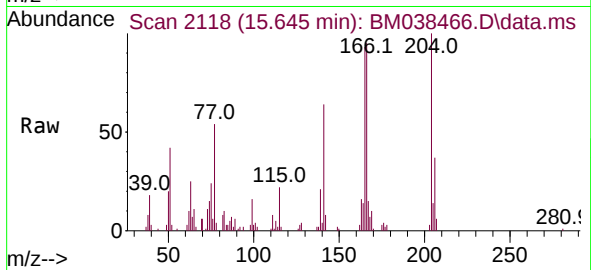
Tgt Ion:149 Resp: 43629
Ion Ratio Lower Upper
149 100
177 21.8 17.8 26.6
150 11.6 9.5 14.3





#61
4-Chlorophenyl-phenylether
Concen: 3.651 ng
RT: 15.645 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

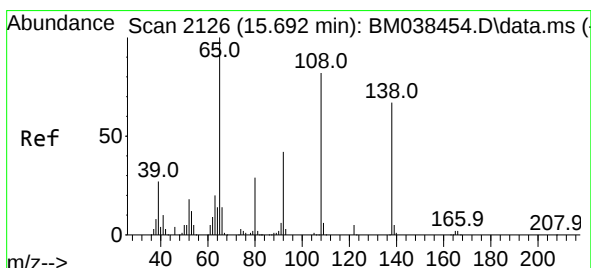
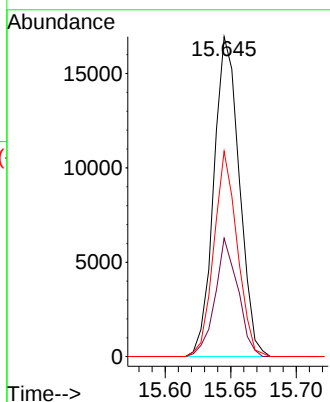
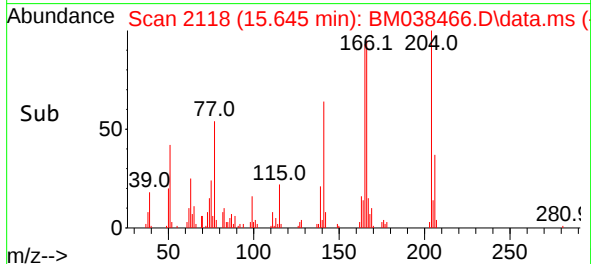
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:204 Resp: 2295
Ion Ratio Lower Upper
204 100
206 37.0 26.2 39.4
141 64.2 42.5 63.7

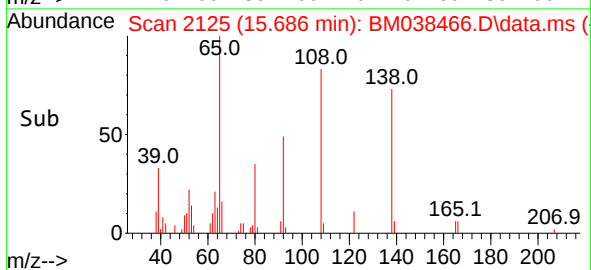
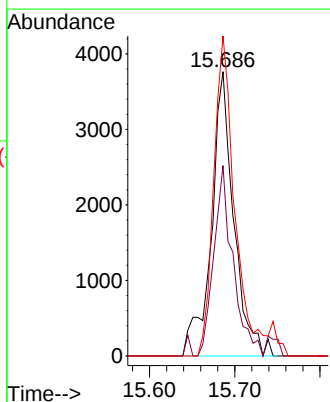
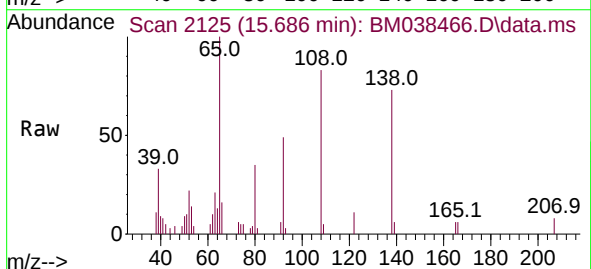
Manual Integrations
APPROVED

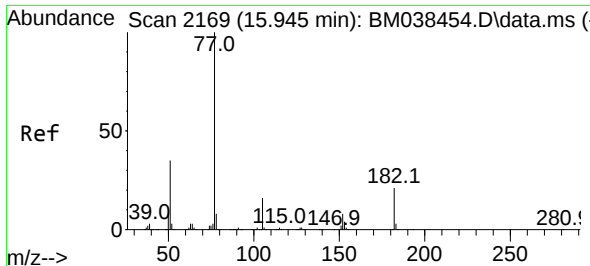
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#62
4-Nitroaniline
Concen: 5.360 ng
RT: 15.686 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

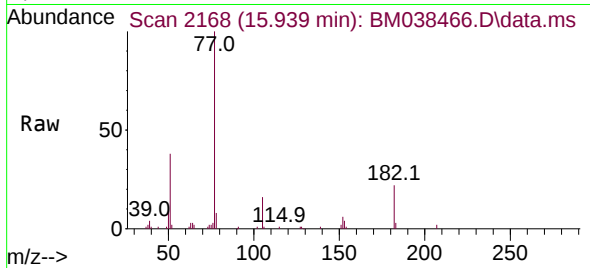
Tgt Ion:138 Resp: 6868
Ion Ratio Lower Upper
138 100
92 66.9 42.1 82.1
108 112.6 102.5 142.5





#63
Azobenzene
Concen: 3.810 ng
RT: 15.939 min Scan# 2169
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

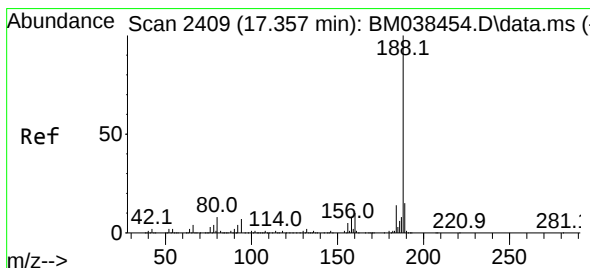
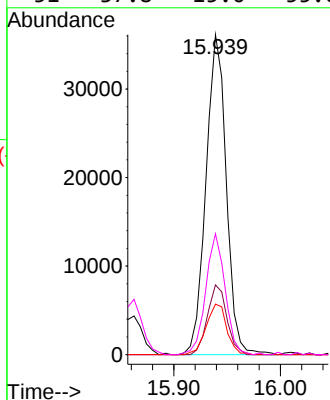
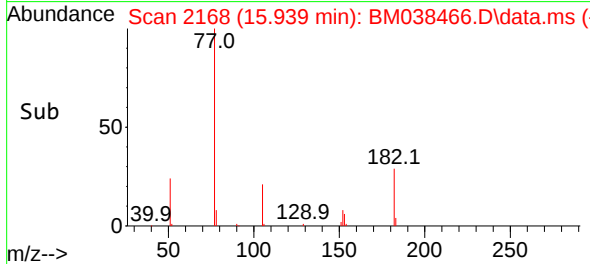
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



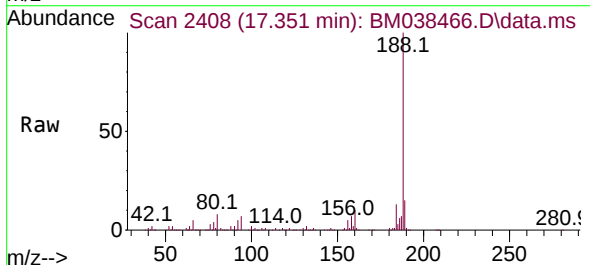
Tgt Ion: 77 Resp: 47959
Ion Ratio Lower Upper
77 100
182 21.8 1.1 41.1
105 15.8 0.0 36.4
51 37.8 15.0 55.0

Manual Integrations
APPROVED

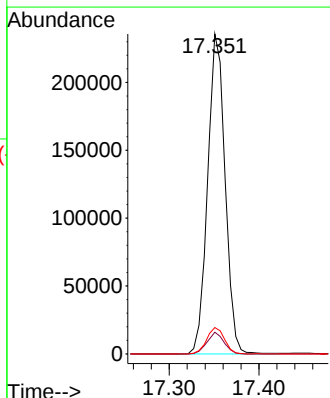
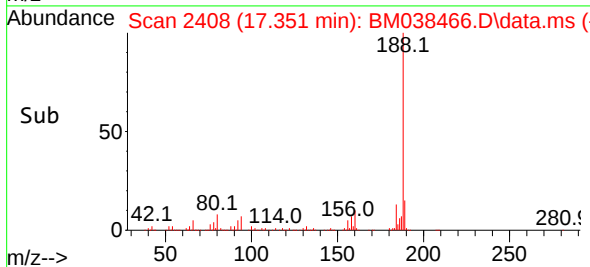
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

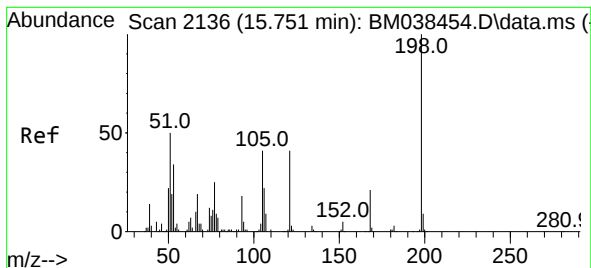


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16



Tgt Ion:188 Resp: 320180
Ion Ratio Lower Upper
188 100
94 6.8 5.4 8.0
80 8.2 6.5 9.7





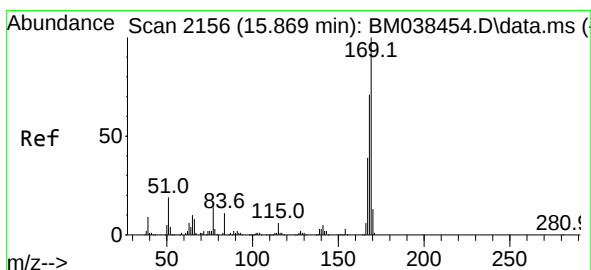
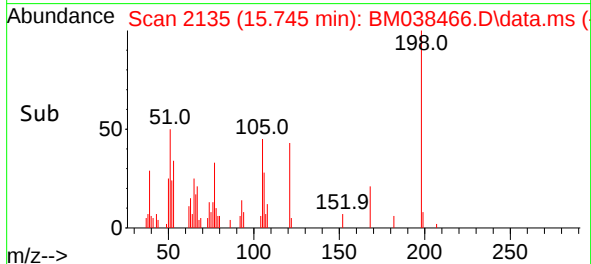
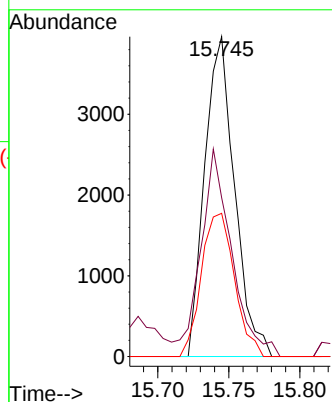
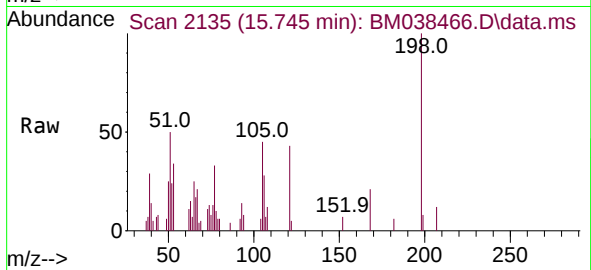
#65
4,6-Dinitro-2-methylphenol
Concen: 2.666 ng
RT: 15.745 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:198 Resp: 5792
Ion Ratio Lower Upper
198 100
51 49.7 31.6 71.6
105 44.8 21.5 61.5

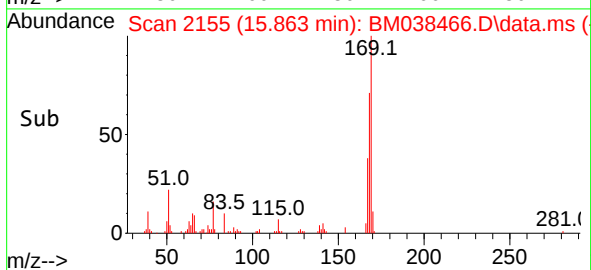
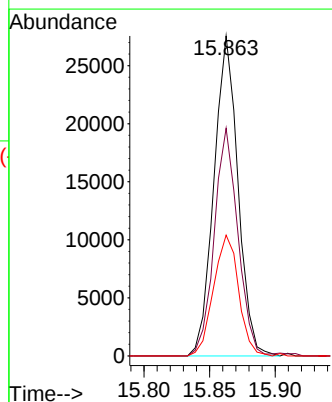
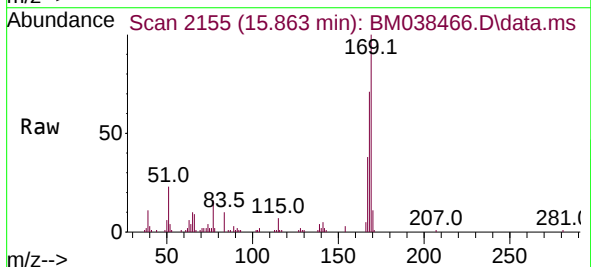
Manual Integrations
APPROVED

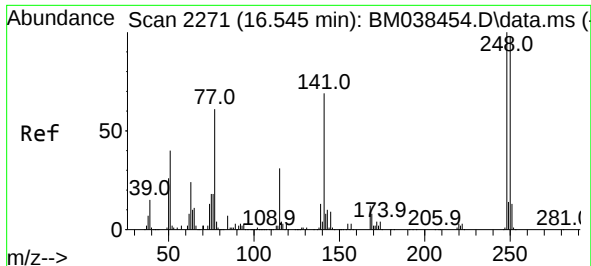
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#66
n-Nitrosodiphenylamine
Concen: 3.746 ng
RT: 15.863 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

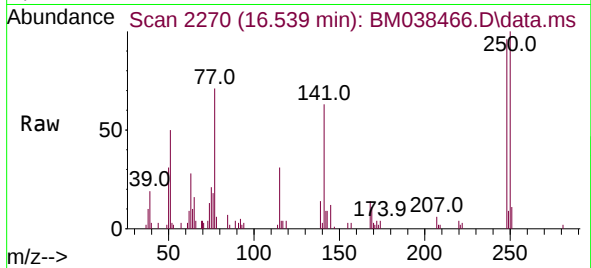
Tgt Ion:169 Resp: 35191
Ion Ratio Lower Upper
169 100
168 71.1 56.6 85.0
167 37.7 31.1 46.7





#67
4-Bromophenyl-phenylether
Concen: 3.697 ng
RT: 16.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

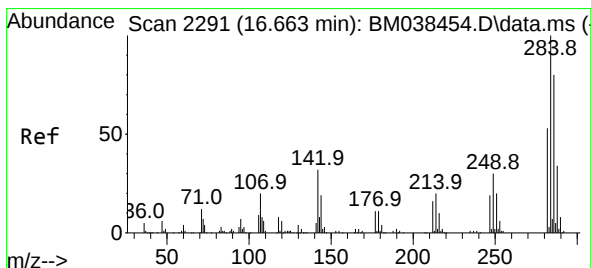
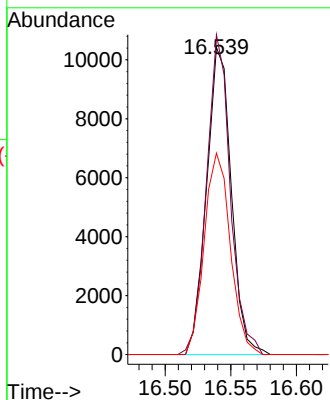
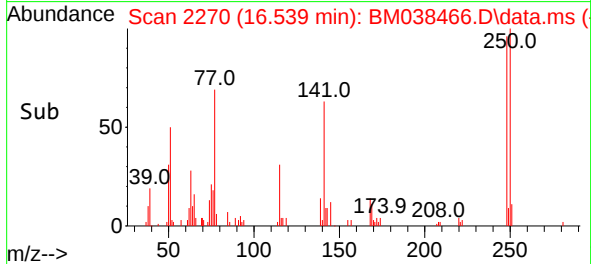
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



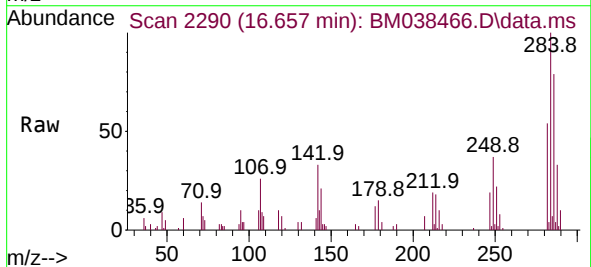
Tgt Ion:248 Resp: 13692
Ion Ratio Lower Upper
248 100
250 104.1 78.3 117.5
141 65.6 55.1 82.7

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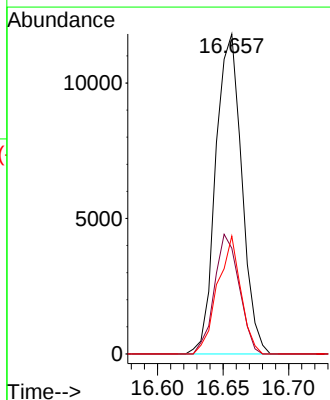
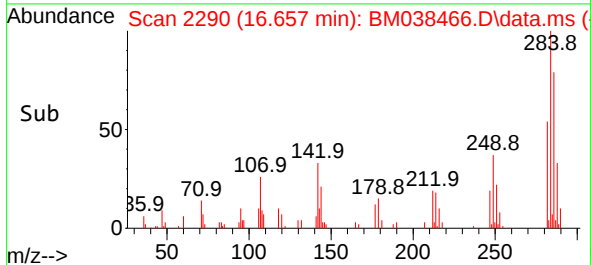
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

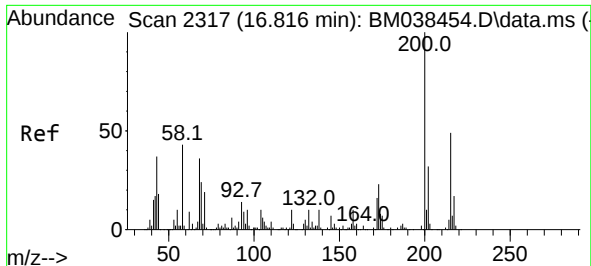


#68
Hexachlorobenzene
Concen: 3.937 ng
RT: 16.657 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16



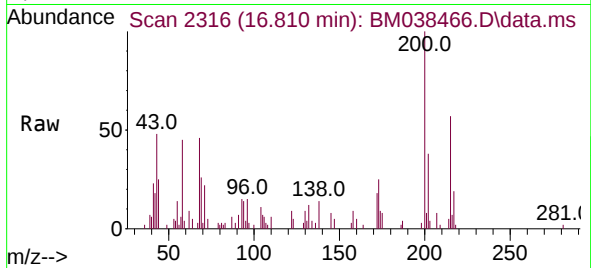
Tgt Ion:284 Resp: 16326
Ion Ratio Lower Upper
284 100
142 33.0 26.0 39.0
249 36.8 23.8 35.8#





#69
 Atrazine
 Concen: 3.183 ng
 RT: 16.810 min Scan# 2316
 Delta R.T. -0.006 min
 Lab File: BM038466.D
 Acq: 17 Jan 2023 16:16

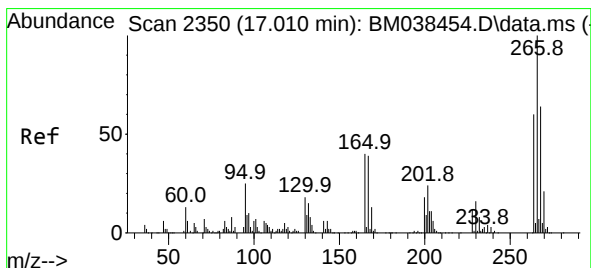
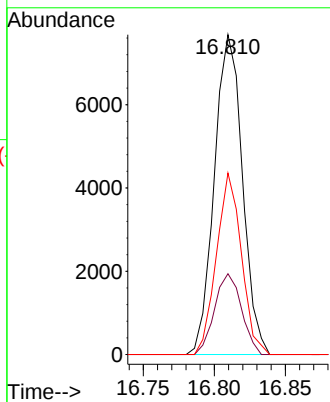
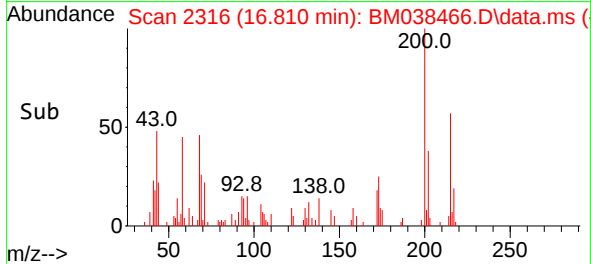
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022



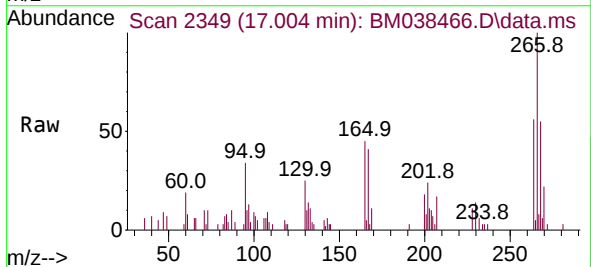
Tgt Ion:200 Resp: 10576
 Ion Ratio Lower Upper
 200 100
 173 25.3 3.4 43.4
 215 56.7 29.3 69.3

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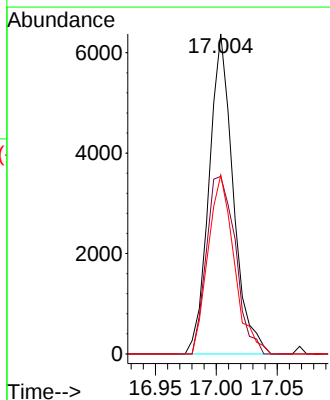
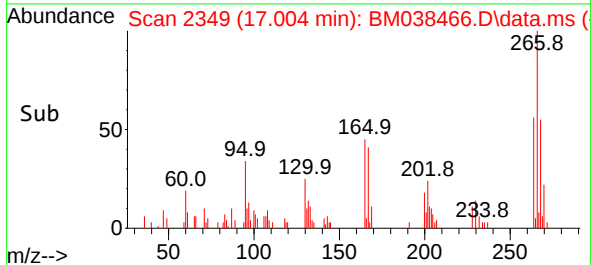
Reviewed By :Christian Giraldo 01/24/2023
 Supervised By :Jagrut Upadhyay 01/27/2023

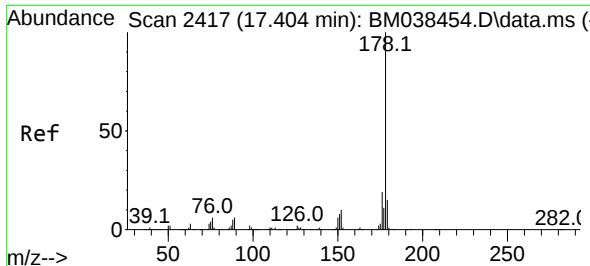


#70
 Pentachlorophenol
 Concen: 2.909 ng
 RT: 17.004 min Scan# 2349
 Delta R.T. -0.006 min
 Lab File: BM038466.D
 Acq: 17 Jan 2023 16:16



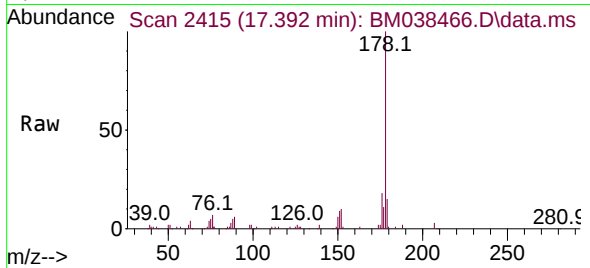
Tgt Ion:266 Resp: 8808
 Ion Ratio Lower Upper
 266 100
 268 55.5 51.4 77.0
 264 55.9 48.2 72.2





#71
Phenanthrene
Concen: 3.951 ng
RT: 17.392 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

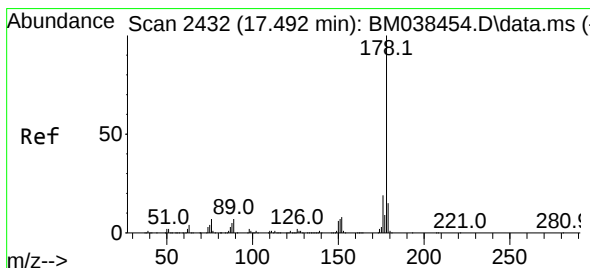
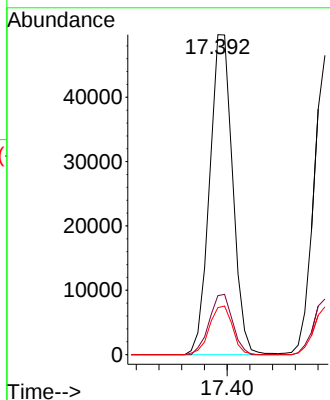
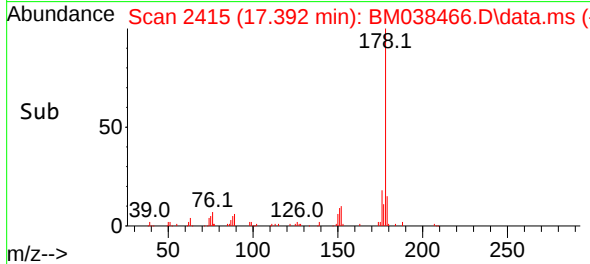
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



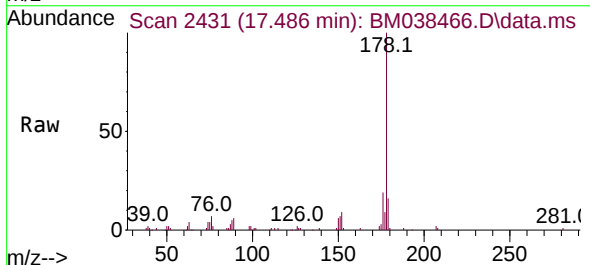
Tgt Ion:178 Resp: 69980
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 14.7 12.1 18.1

Manual Integrations
APPROVED

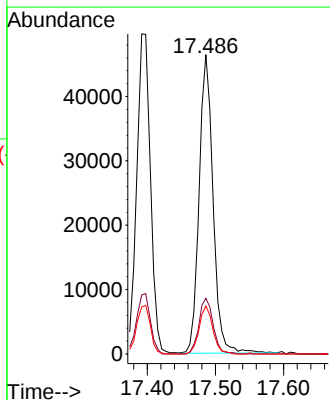
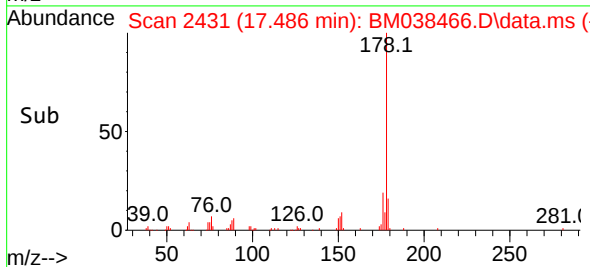
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

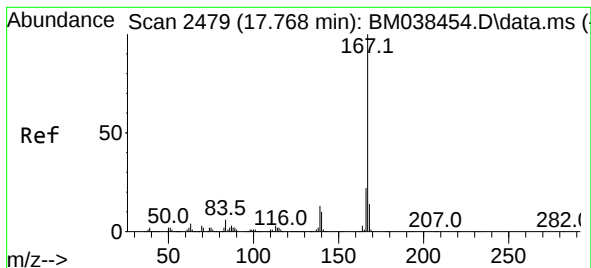


#72
Anthracene
Concen: 3.634 ng
RT: 17.486 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16



Tgt Ion:178 Resp: 66156
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 16.0 12.2 18.2





#73

Carbazole

Concen: 3.716 ng

RT: 17.762 min Scan# 2479

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

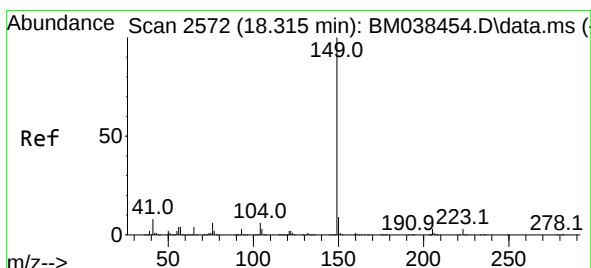
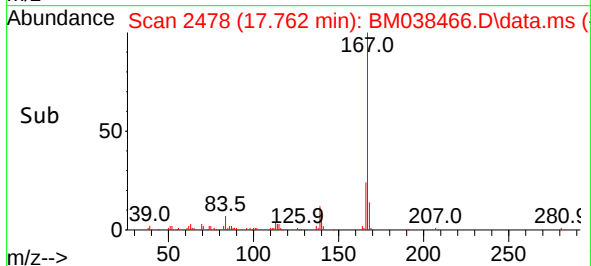
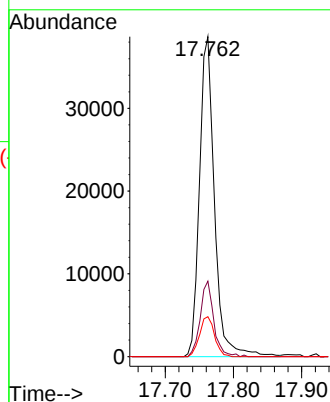
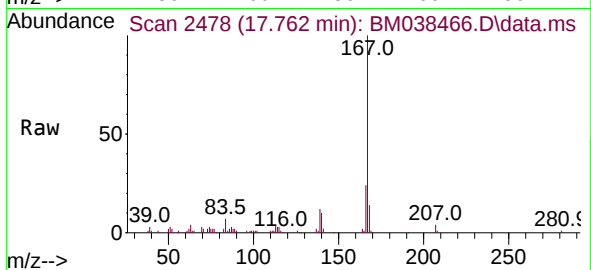
ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:167	Resp:	59164
Ion Ratio	Lower	Upper
167	100	
166	23.6	17.4 26.0
139	12.5	10.1 15.1

Manual Integrations
APPROVED

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



#74

Di-n-butylphthalate

Concen: 3.756 ng

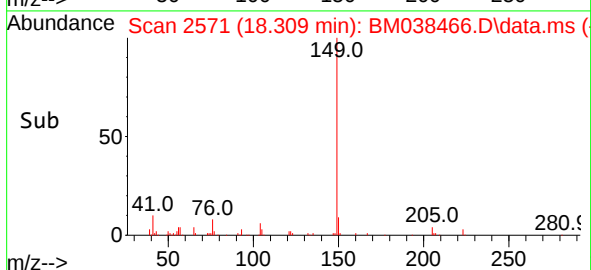
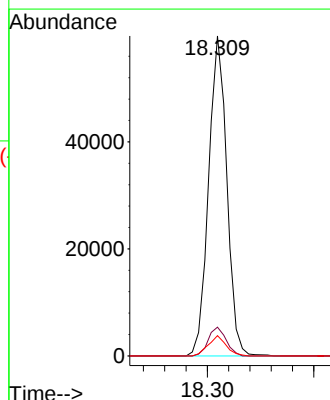
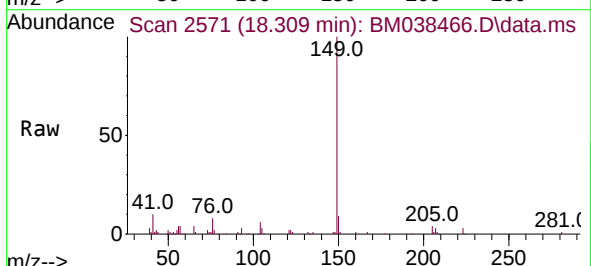
RT: 18.309 min Scan# 2571

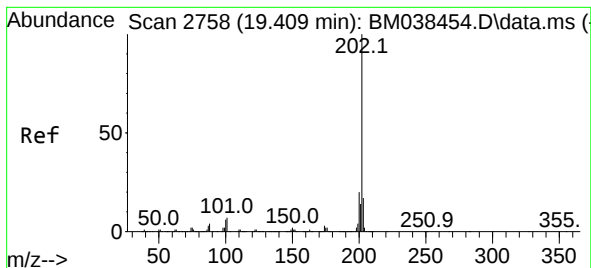
Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Tgt Ion:149	Resp:	71021
Ion Ratio	Lower	Upper
149	100	
150	9.0	7.4 11.2
104	6.3	4.7 7.1





#75

Fluoranthene

Concen: 3.601 ng

RT: 19.404 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

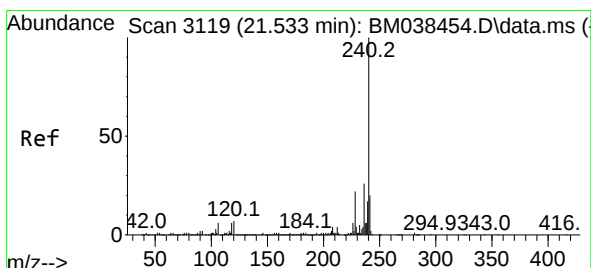
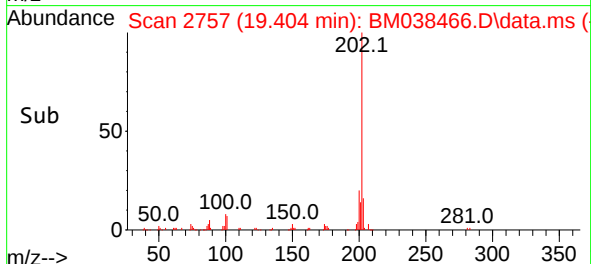
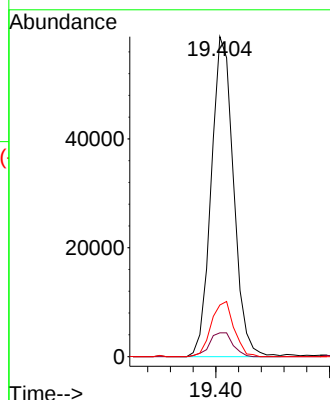
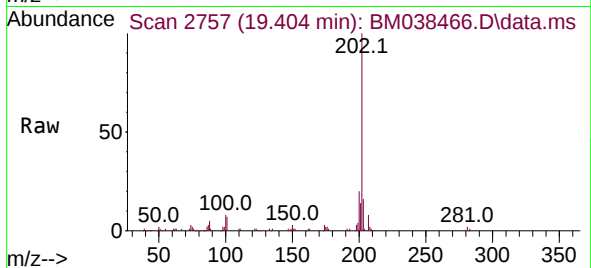
Tgt Ion:	202	Resp:	80196
Ion Ratio	Lower	Upper	
202	100		
101	7.4	0.0	27.4
203	16.1	0.0	37.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#76

Chrysene-d12

Concen: 20.000 ng

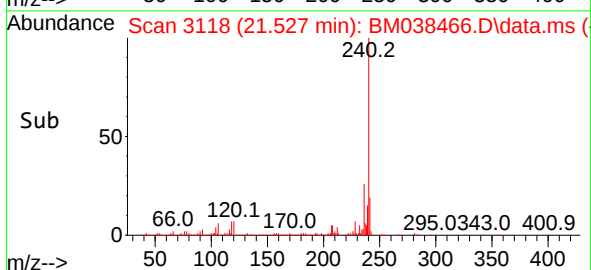
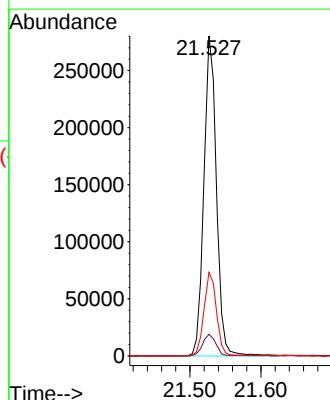
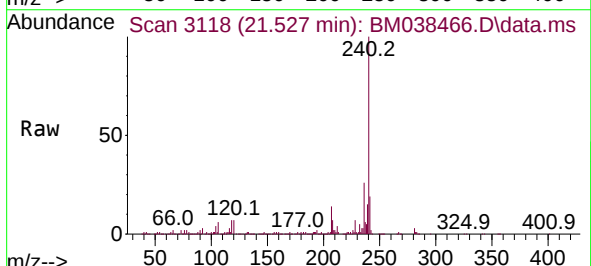
RT: 21.527 min Scan# 3118

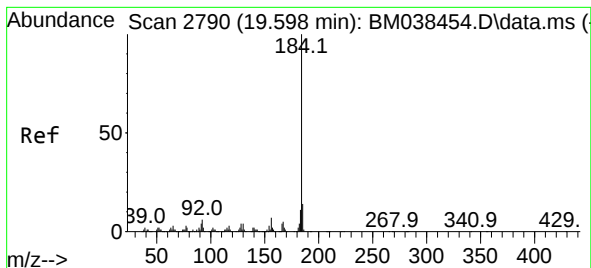
Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Tgt Ion:	240	Resp:	342212
Ion Ratio	Lower	Upper	
240	100		
120	6.7	5.6	8.4
236	26.1	21.0	31.4





#77

Benzidine

Concen: 3.579 ng

RT: 19.598 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

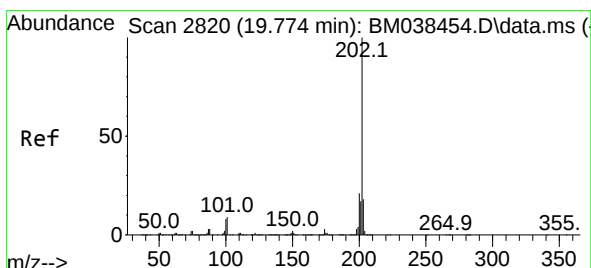
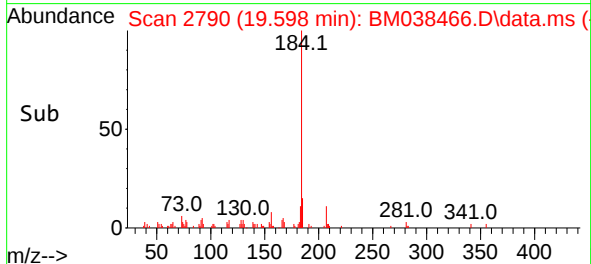
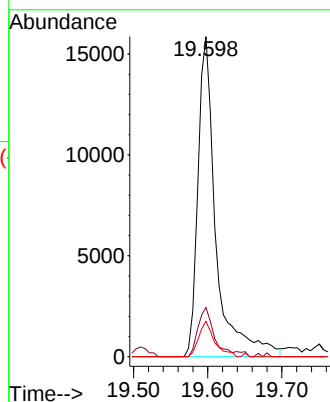
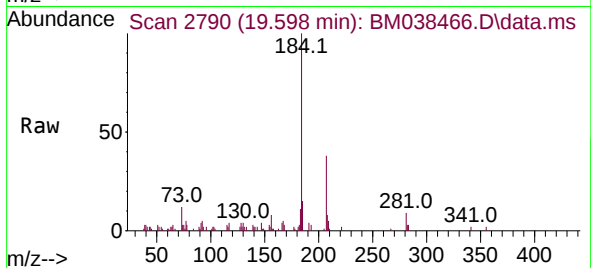
LOQ-SOIL-02-QT3-2022

Tgt Ion:184	Resp:	26835
Ion Ratio	Lower	Upper
184	100	
185	15.3	11.1 16.7
183	11.0	8.6 13.0

Manual Integrations

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



#78

Pyrene

Concen: 3.758 ng

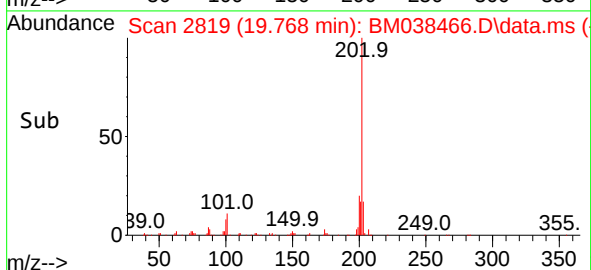
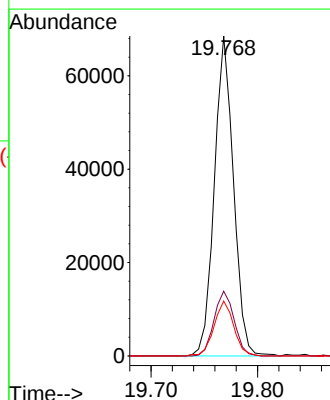
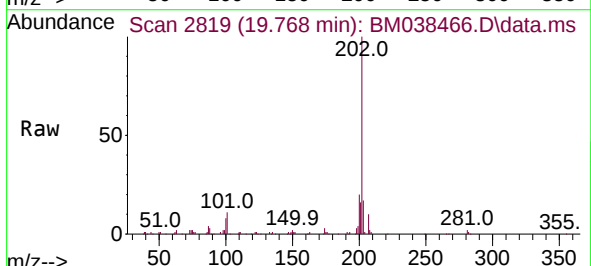
RT: 19.768 min Scan# 2819

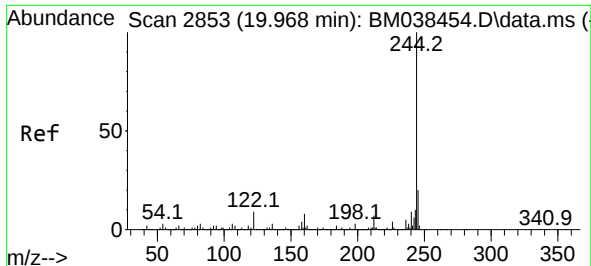
Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

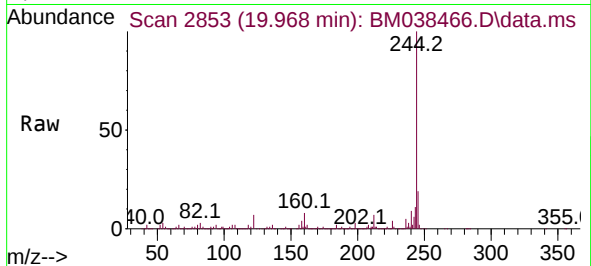
Tgt Ion:202	Resp:	85586
Ion Ratio	Lower	Upper
202	100	
200	20.2	16.9 25.3
203	17.1	14.2 21.2





#79
 Terphenyl-d14
 Concen: 65.293 ng
 RT: 19.968 min Scan# 2853
 Delta R.T. -0.000 min
 Lab File: BM038466.D
 Acq: 17 Jan 2023 16:16

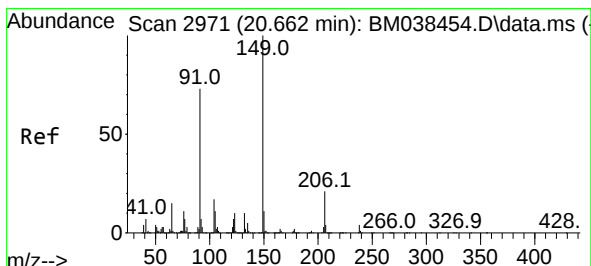
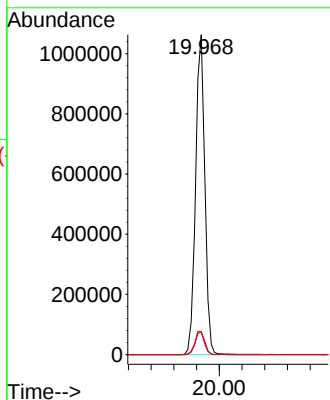
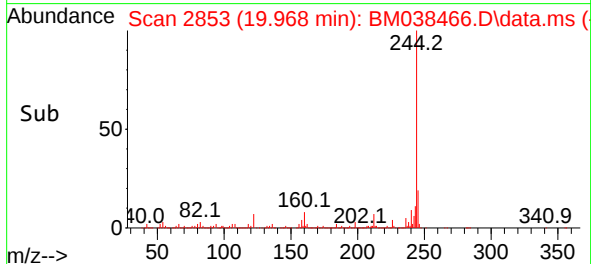
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022



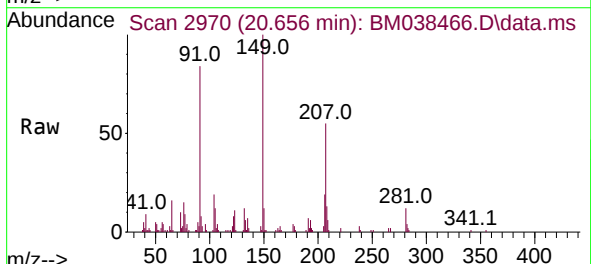
Tgt Ion:244 Resp: 1193566
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 7.1 7.1 10.7

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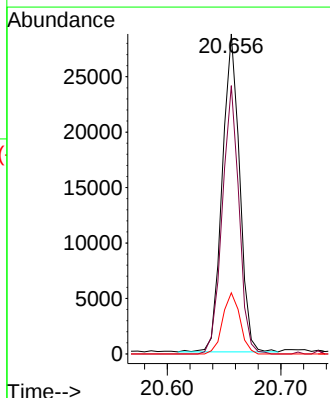
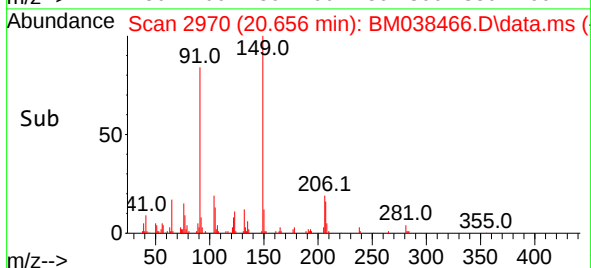
Reviewed By :Christian Giraldo 01/24/2023
 Supervised By :Jagrut Upadhyay 01/27/2023

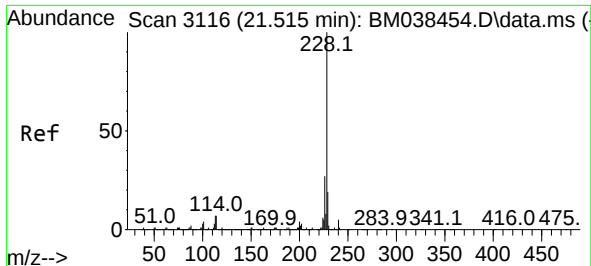


#80
 Butylbenzylphthalate
 Concen: 3.655 ng
 RT: 20.656 min Scan# 2970
 Delta R.T. -0.006 min
 Lab File: BM038466.D
 Acq: 17 Jan 2023 16:16



Tgt Ion:149 Resp: 30426
 Ion Ratio Lower Upper
 149 100
 91 83.8 58.3 87.5
 206 19.1 16.7 25.1





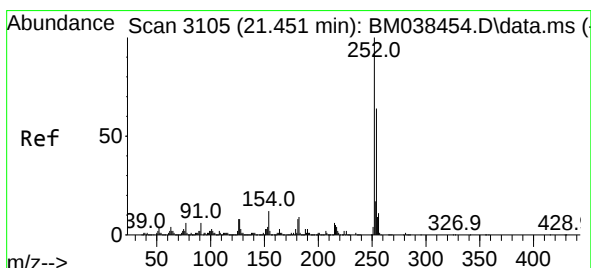
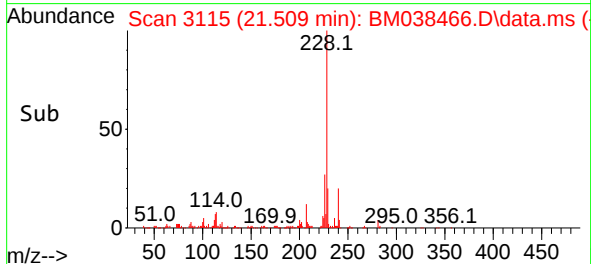
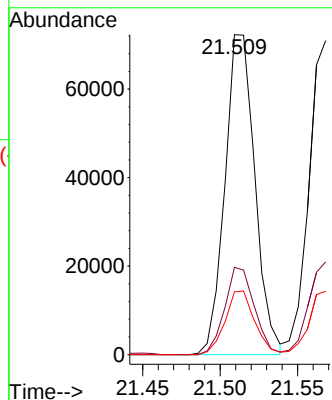
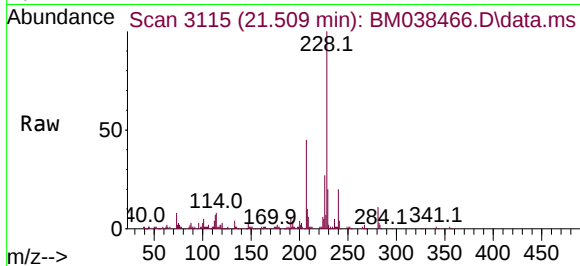
#81
Benzo(a)anthracene
Concen: 3.963 ng
RT: 21.509 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:228 Resp: 97542
Ion Ratio Lower Upper
228 100
226 27.3 22.0 33.0
229 19.6 15.4 23.0

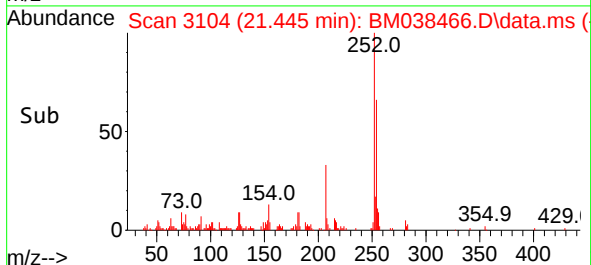
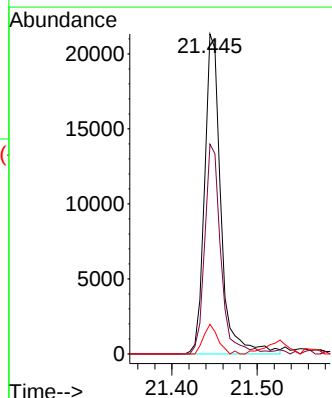
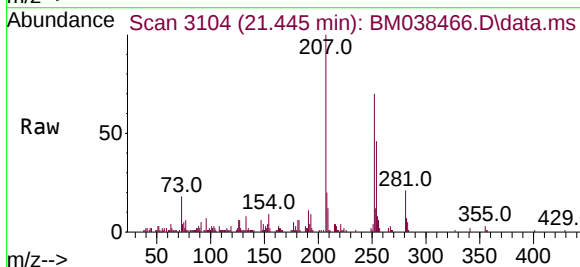
Manual Integrations
APPROVED

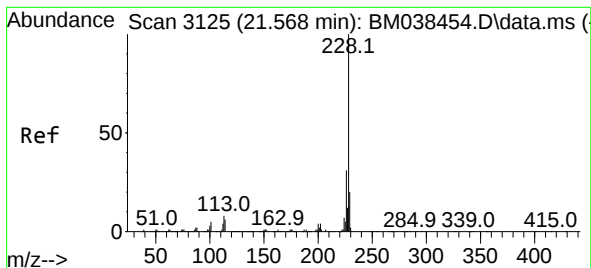
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#82
3,3'-Dichlorobenzidine
Concen: 3.576 ng
RT: 21.445 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:252 Resp: 28343
Ion Ratio Lower Upper
252 100
254 65.5 51.2 76.8
126 9.2 6.3 9.5





#83

Chrysene

Concen: 3.942 ng

RT: 21.568 min Scan# 3125

Delta R.T. -0.000 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

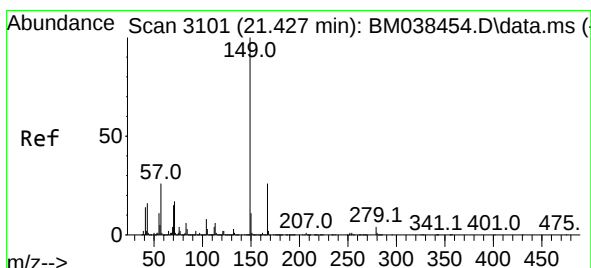
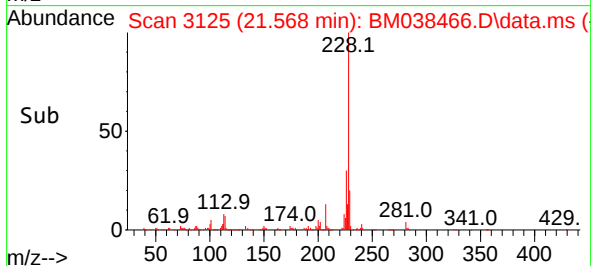
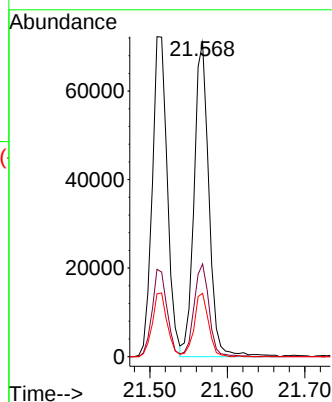
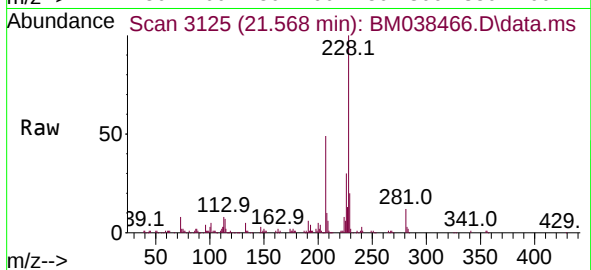
ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:	228	Resp:	9428
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.6	36.8
229	20.1	16.1	24.1

Manual Integrations
APPROVED

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.725 ng

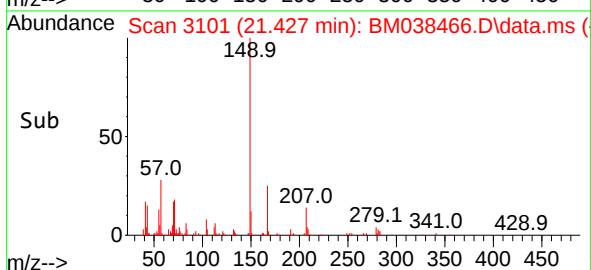
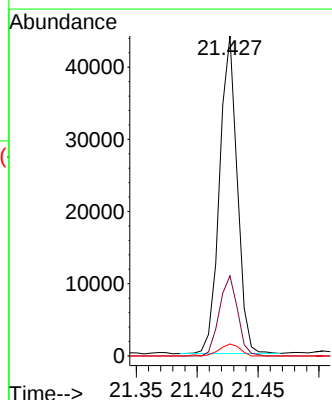
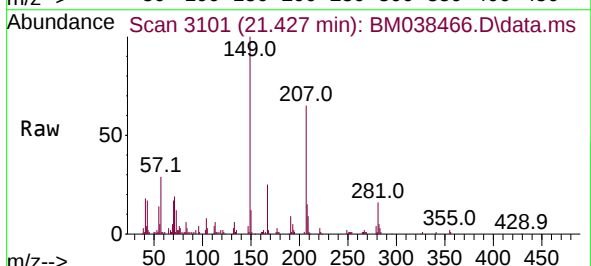
RT: 21.427 min Scan# 3101

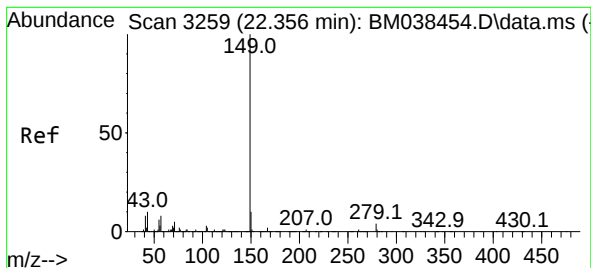
Delta R.T. -0.000 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

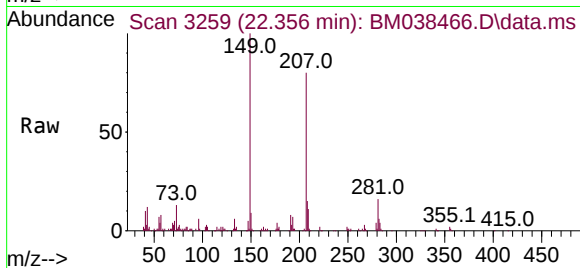
Tgt Ion:	149	Resp:	44582
Ion Ratio	Lower	Upper	
149	100		
167	25.0	21.0	31.4
279	3.7	3.4	5.0





#85
Di-n-octyl phthalate
Concen: 3.887 ng
RT: 22.356 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

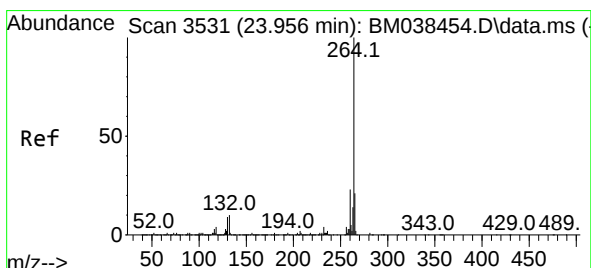
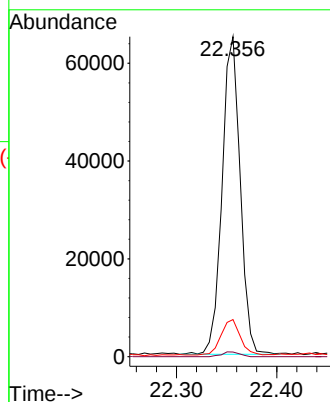
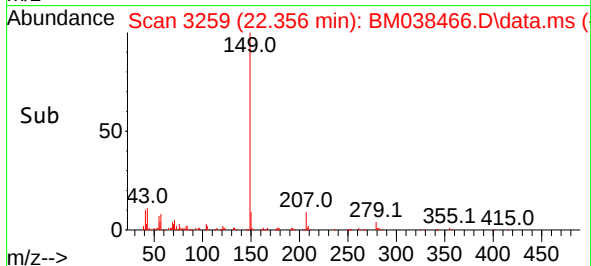
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



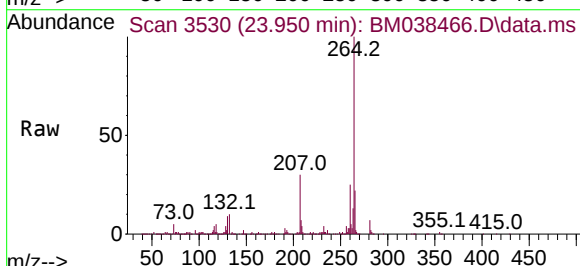
Tgt Ion:149 Resp: 81834
Ion Ratio Lower Upper
149 100
167 1.4 1.3 1.9
43 12.0 8.4 12.6

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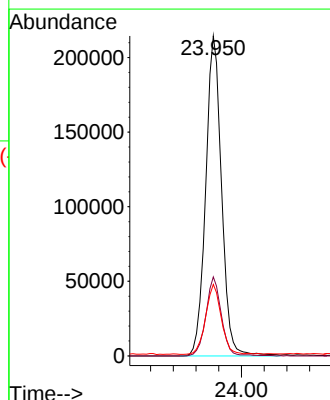
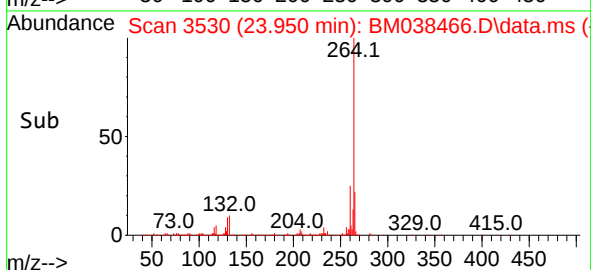
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

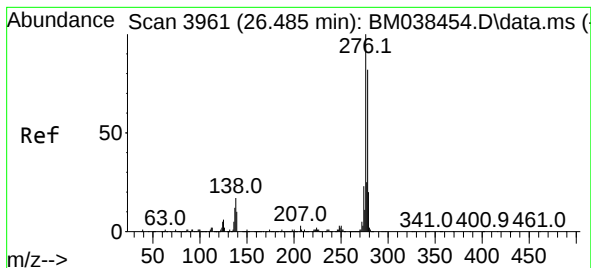


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.950 min Scan# 3530
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16



Tgt Ion:264 Resp: 416614
Ion Ratio Lower Upper
264 100
260 24.7 18.2 27.4
265 22.3 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.733 ng

RT: 26.468 min Scan# 3958

Delta R.T. -0.018 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

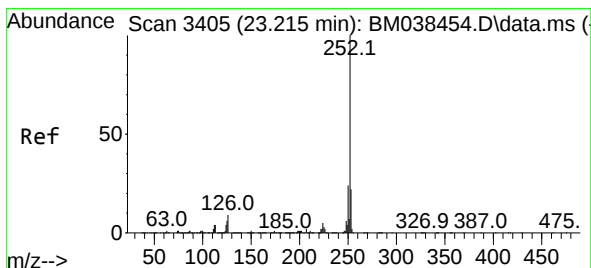
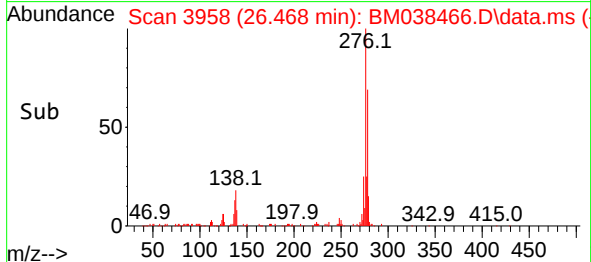
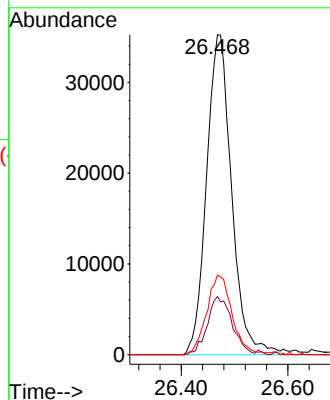
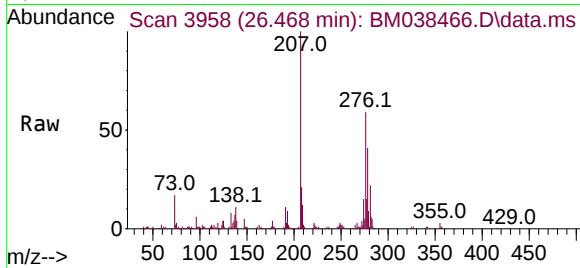
Tgt Ion:	276	Resp:	115103
Ion Ratio	Lower	Upper	
276	100		
138	17.9	13.4	20.2
277	25.2	19.8	29.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#88

Benzo(b)fluoranthene

Concen: 3.968 ng m

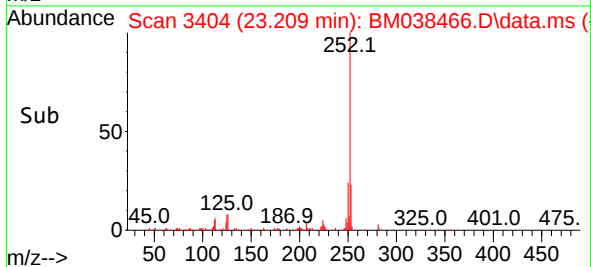
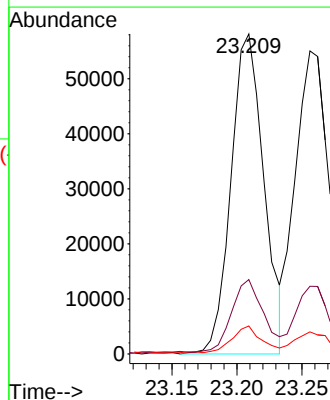
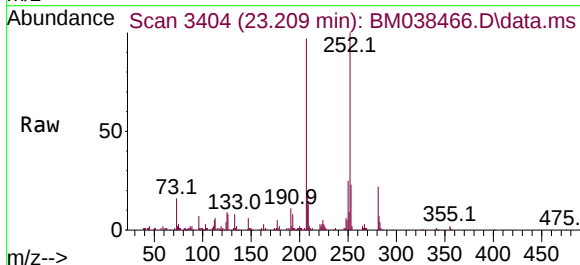
RT: 23.209 min Scan# 3404

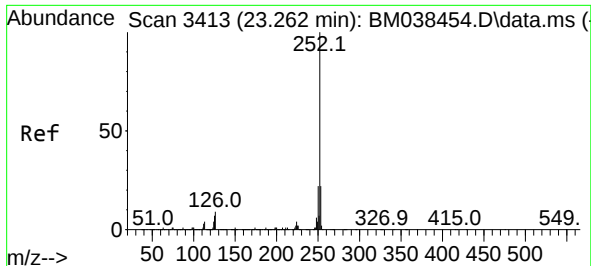
Delta R.T. -0.006 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

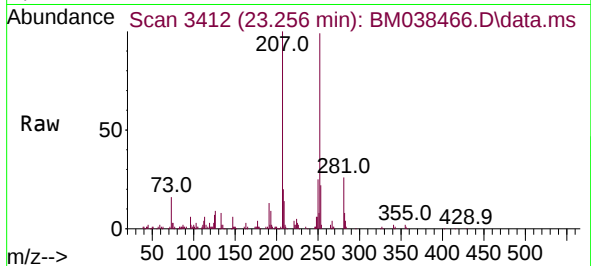
Tgt Ion:	252	Resp:	102496
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.6
125	8.7	5.1	7.7#





#89
Benzo(k)fluoranthene
Concen: 3.855 ng
RT: 23.256 min Scan# 3413
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

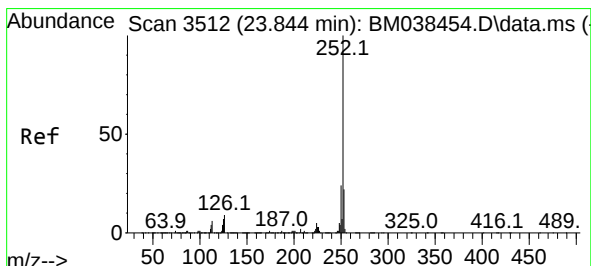
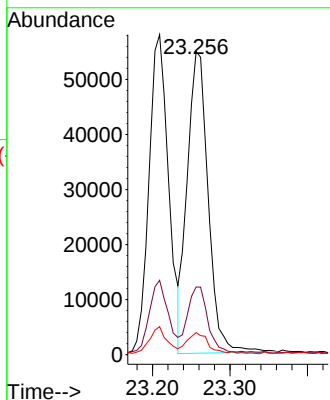
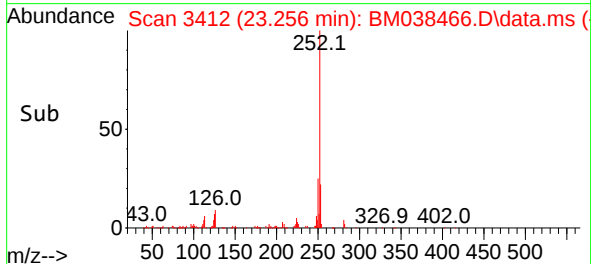
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion:252 Resp: 102995
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 7.2 5.5 8.3

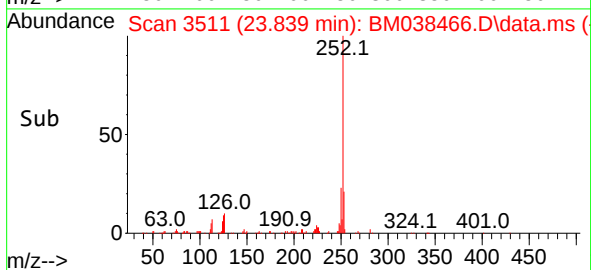
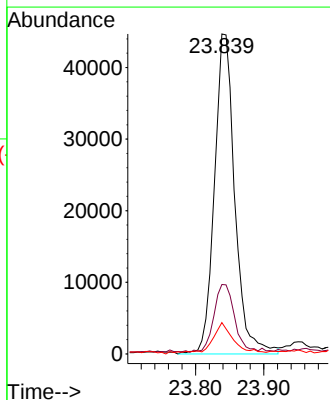
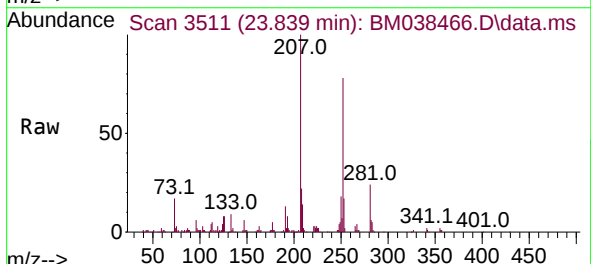
Manual Integrations
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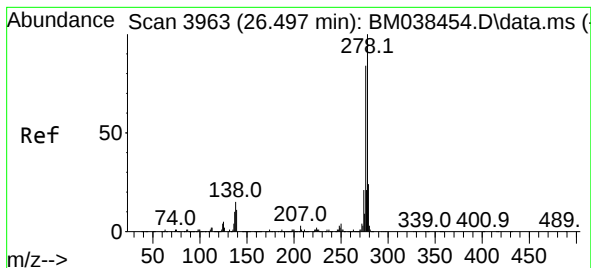
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#90
Benzo(a)pyrene
Concen: 3.647 ng
RT: 23.839 min Scan# 3511
Delta R.T. -0.006 min
Lab File: BM038466.D
Acq: 17 Jan 2023 16:16

Tgt Ion:252 Resp: 92452
Ion Ratio Lower Upper
252 100
253 21.7 17.6 26.4
125 9.8 5.8 8.8#





#91

Dibenzo(a,h)anthracene

Concen: 3.944 ng

RT: 26.485 min Scan# 3961

Delta R.T. -0.012 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

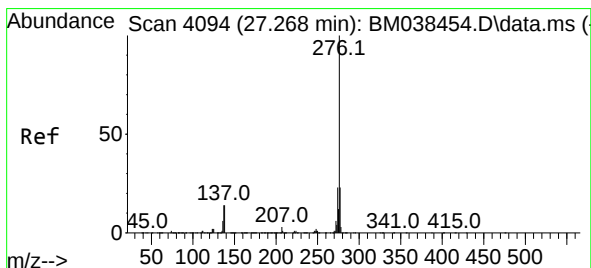
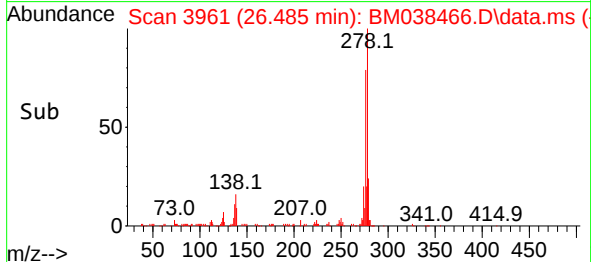
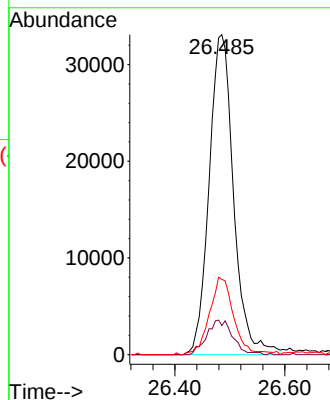
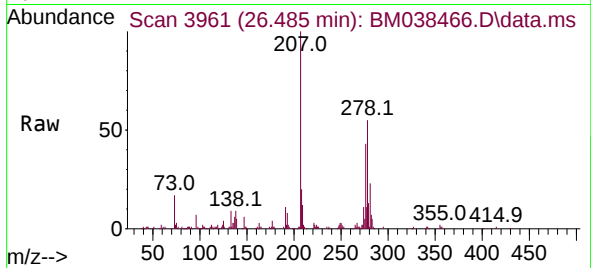
Tgt Ion:	278	Resp:	10204
Ion Ratio	Lower	Upper	
278	100		
139	9.1	8.4	12.6
279	23.5	19.0	28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#92

Benzo(g,h,i)perylene

Concen: 3.954 ng

RT: 27.244 min Scan# 4090

Delta R.T. -0.024 min

Lab File: BM038466.D

Acq: 17 Jan 2023 16:16

Tgt Ion:	276	Resp:	101496
Ion Ratio	Lower	Upper	
276	100		
277	22.7	18.6	27.8
138	14.7	11.3	16.9

