

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012323\
 Data File : BM038512.D
 Acq On : 23 Jan 2023 16:56
 Operator : CG/JU
 Sample : N4955-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Quant Time: Jan 24 05:14:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 21 01:21:49 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo

01/24/2023

Supervised By :Jagrut

Upadhyay

01/24/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	70414	20.000	ng	0.00
21) Naphthalene-d8	10.774	136	233799	20.000	ng	0.00
39) Acenaphthene-d10	14.598	164	146347	20.000	ng	0.00
64) Phenanthrene-d10	17.345	188	334618	20.000	ng	0.00
76) Chrysene-d12	21.515	240	371309	20.000	ng	0.00
86) Perylene-d12	23.927	264	463050	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	460000	107.995	ng	0.00
7) Phenol-d6	7.128	99	588019	108.200	ng	0.00
23) Nitrobenzene-d5	9.139	82	382746	71.090	ng	0.00
42) 2,4,6-Tribromophenol	16.086	330	264255	125.391	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	866444	72.930	ng	0.00
79) Terphenyl-d14	19.956	244	1348150	70.783	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.375	88	9096	4.553	ng	97
3) Pyridine	3.810	79	22089m	4.210	ng	
4) n-Nitrosodimethylamine	3.704	42	12308	4.941	ng	# 92
6) Aniline	7.292	93	33869	5.021	ng	# 96
8) 2-Chlorophenol	7.528	128	23512	5.404	ng	97
9) Benzaldehyde	7.110	77	20625m	6.398	ng	
10) Phenol	7.151	94	29777	5.483	ng	87
11) bis(2-Chloroethyl)ether	7.386	93	23148	5.402	ng	95
12) 1,3-Dichlorobenzene	7.851	146	27055	5.469	ng	96
13) 1,4-Dichlorobenzene	7.998	146	28246	5.651	ng	96
14) 1,2-Dichlorobenzene	8.316	146	27384	5.656	ng	97
15) Benzyl Alcohol	8.216	79	20778	5.114	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.492	45	24445	5.433	ng	98
17) 2-Methylphenol	8.410	107	18018	4.688	ng	95
18) Hexachloroethane	9.045	117	10347	5.568	ng	96
19) n-Nitroso-di-n-propyla...	8.775	70	18144	4.737	ng	96
20) 3+4-Methylphenols	8.745	107	23632	4.588	ng	97
22) Acetophenone	8.798	105	29745	4.618	ng	95
24) Nitrobenzene	9.180	77	31580	5.797	ng	97
25) Isophorone	9.704	82	45093	5.075	ng	# 97
26) 2-Nitrophenol	9.892	139	10316	4.771	ng	93
27) 2,4-Dimethylphenol	9.945	122	12633	3.510	ng	93
28) bis(2-Chloroethoxy)met...	10.186	93	27041	5.203	ng	96
29) 2,4-Dichlorophenol	10.427	162	20181	4.780	ng	94
30) 1,2,4-Trichlorobenzene	10.633	180	26602	5.510	ng	96
31) Naphthalene	10.827	128	65154	5.130	ng	98
32) Benzoic acid	10.027	122	5989m	7.467	ng	
33) 4-Chloroaniline	10.951	127	24793	4.677	ng	96
34) Hexachlorobutadiene	11.104	225	18383	5.788	ng	97
35) Caprolactam	11.727	113	3525m	3.444	ng	
36) 4-Chloro-3-methylphenol	12.063	107	18636	4.854	ng	96
37) 2-Methylnaphthalene	12.433	142	44267	4.850	ng	95
38) 1-Methylnaphthalene	12.651	142	42037	4.883	ng	95
40) 1,2,4,5-Tetrachloroben...	12.798	216	25820	4.690	ng	96
41) Hexachlorocyclopentadiene	12.768	237	12863	4.251	ng	99
43) 2,4,6-Trichlorophenol	13.039	196	17608	4.997	ng	96

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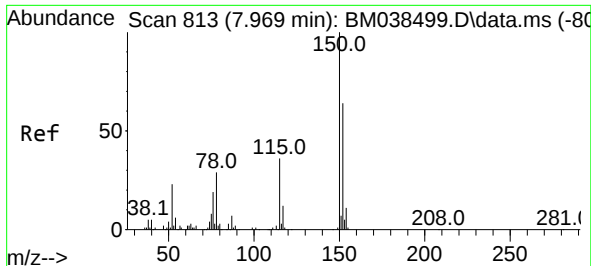
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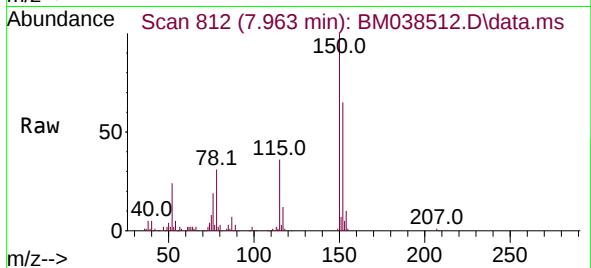
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.115	196	19408	4.702	ng	98
46) 1,1'-Biphenyl	13.439	154	53130	4.533	ng	98
47) 2-Chloronaphthalene	13.480	162	49929	5.457	ng	96
48) 2-Nitroaniline	13.698	65	11083	4.125	ng	99
49) Acenaphthylene	14.321	152	69550	4.859	ng	99
50) Dimethylphthalate	14.057	163	57187	5.076	ng	98
51) 2,6-Dinitrotoluene	14.186	165	11276	4.756	ng	97
52) Acenaphthene	14.662	154	44378	5.083	ng	98
53) 3-Nitroaniline	14.515	138	9884	4.195	ng	# 93
54) 2,4-Dinitrophenol	14.733	184	6120	7.965	ng	98
55) Dibenzofuran	14.998	168	74783	5.124	ng	97
56) 4-Nitrophenol	14.827	139	7242	3.733	ng	# 82
57) 2,4-Dinitrotoluene	14.974	165	14163	4.407	ng	# 99
58) Fluorene	15.645	166	58612	4.952	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.221	232	17317	5.133	ng	# 96
60) Diethylphthalate	15.415	149	54398	4.931	ng	100
61) 4-Chlorophenyl-phenylether	15.639	204	32105	5.167	ng	98
62) 4-Nitroaniline	15.680	138	8992	6.481	ng	98
63) Azobenzene	15.927	77	53685	4.593	ng	98
65) 4,6-Dinitro-2-methylph...	15.733	198	8727	4.018	ng	97
66) n-Nitrosodiphenylamine	15.851	169	48961	4.874	ng	99
67) 4-Bromophenyl-phenylether	16.533	248	18607	5.013	ng	95
68) Hexachlorobenzene	16.645	284	23017	5.747	ng	98
69) Atrazine	16.803	200	14890	4.443	ng	98
70) Pentachlorophenol	16.992	266	12230	4.289	ng	96
71) Phenanthrene	17.386	178	94656	5.065	ng	99
72) Anthracene	17.474	178	90732	4.772	ng	99
73) Carbazole	17.750	167	81506	4.867	ng	98
74) Di-n-butylphthalate	18.297	149	82028	4.459	ng	99
75) Fluoranthene	19.397	202	112059	4.990	ng	97
77) Benzidine	19.586	184	31246	3.693	ng	98
78) Pyrene	19.756	202	121108	4.684	ng	99
80) Butylbenzylphthalate	20.644	149	36320	4.062	ng	97
81) Benzo(a)anthracene	21.503	228	134578	5.115	ng	99
82) 3,3'-Dichlorobenzidine	21.438	252	39217	4.640	ng	97
83) Chrysene	21.556	228	130167	5.059	ng	99
84) Bis(2-ethylhexyl)phtha...	21.415	149	53783	4.151	ng	97
85) Di-n-octyl phthalate	22.338	149	93276	4.049	ng	100
87) Indeno(1,2,3-cd)pyrene	26.444	276	179761	5.246	ng	98
88) Benzo(b)fluoranthene	23.191	252	147235	5.271	ng	99
89) Benzo(k)fluoranthene	23.238	252	150361m	5.202	ng	
90) Benzo(a)pyrene	23.821	252	132733	4.793	ng	97
91) Dibenzo(a,h)anthracene	26.456	278	154883	5.430	ng	97
92) Benzo(g,h,i)perylene	27.220	276	156883	5.370	ng	96

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.963 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BM038512.D
 Acq: 23 Jan 2023 16:56

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

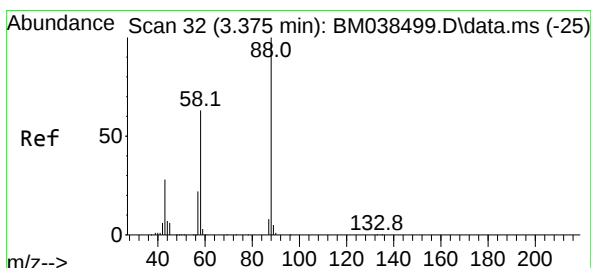
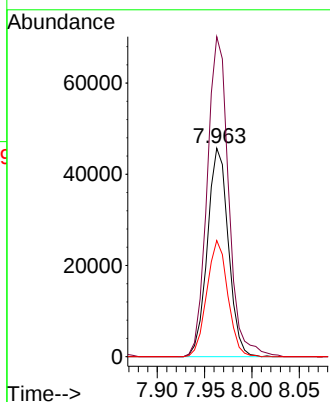
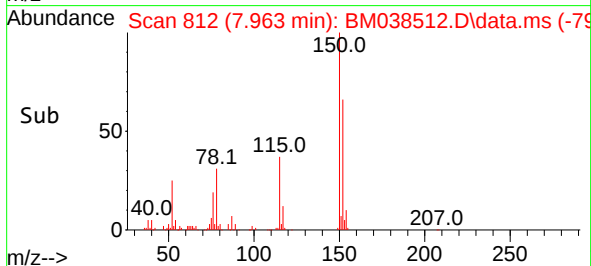


Tgt Ion: 152 Resp: 70414
 Ion Ratio Lower Upper
 152 100
 150 153.6 124.2 186.4
 115 55.7 44.8 67.2

Manual Integrations
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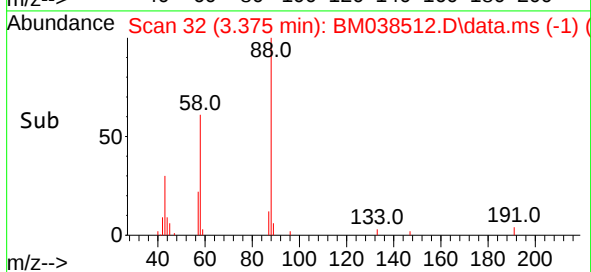
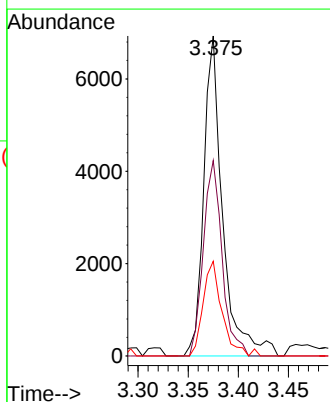
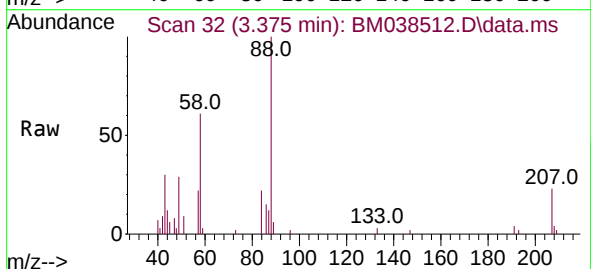
Reviewed By :Christian
 Giraldo
 01/24/2023

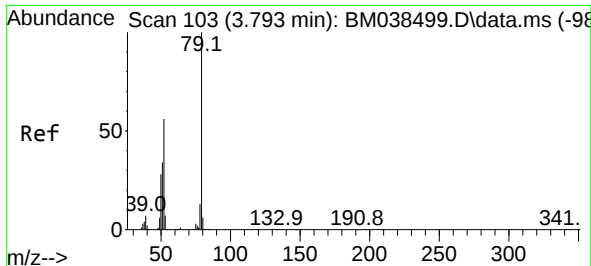
Supervised By :Jagrut
 Upadhyay
 01/24/2023



#2
 1,4-Dioxane
 Concen: 4.553 ng
 RT: 3.375 min Scan# 32
 Delta R.T. -0.000 min
 Lab File: BM038512.D
 Acq: 23 Jan 2023 16:56

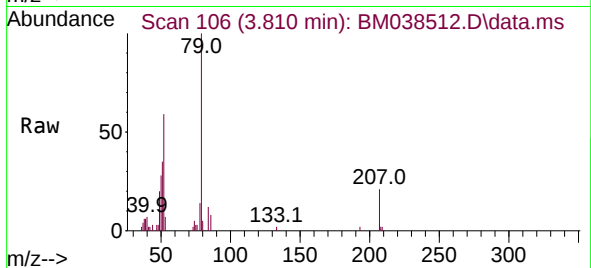
Tgt Ion: 88 Resp: 9096
 Ion Ratio Lower Upper
 88 100
 58 60.4 50.5 75.7
 43 29.6 23.9 35.9





#3
Pyridine
Concen: 4.210 ng m
RT: 3.810 min Scan# 103
Delta R.T. 0.018 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

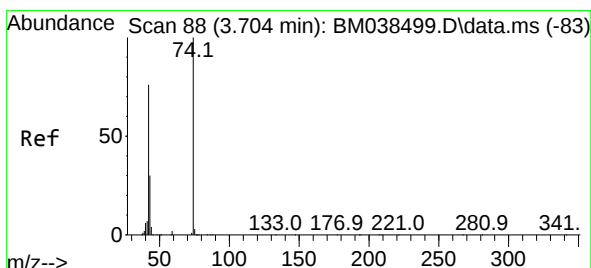
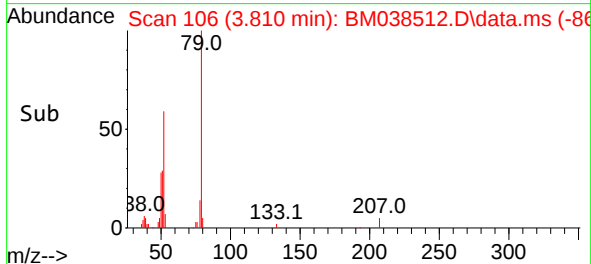
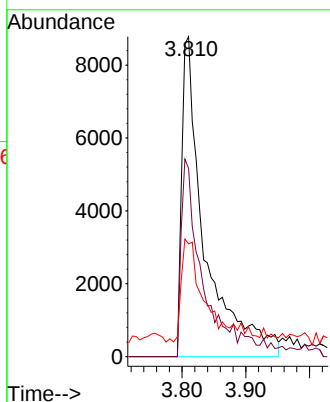
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 79 Resp: 22089
Ion Ratio Lower Upper
79 100
52 58.9 45.0 67.4
51 35.2 27.1 40.7

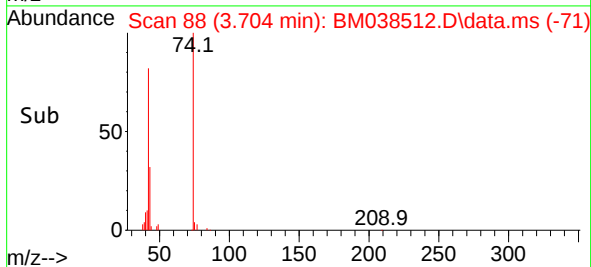
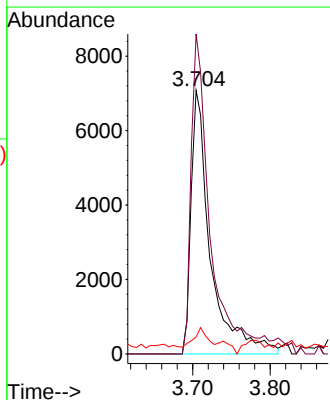
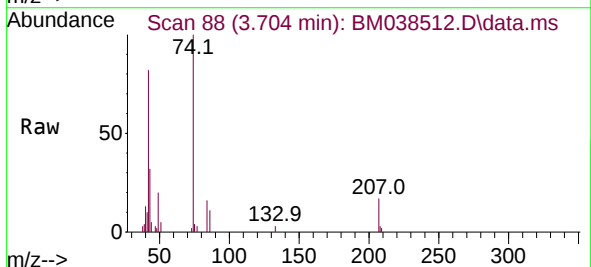
Manual Integrations
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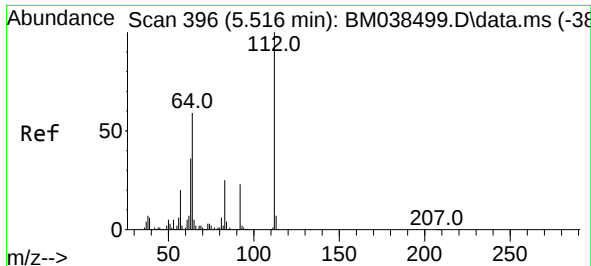
Reviewed By :Christian
Giraldo
01/24/2023
Supervised By :Jagrut
Upadhyay
01/24/2023



#4
n-Nitrosodimethylamine
Concen: 4.941 ng
RT: 3.704 min Scan# 88
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

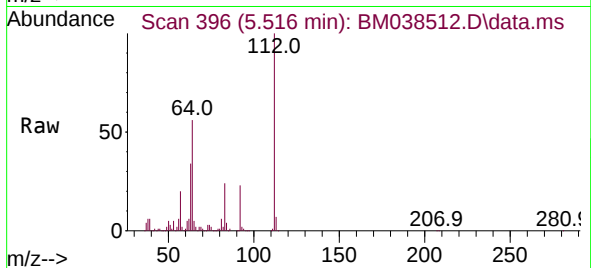
Tgt Ion: 42 Resp: 12308
Ion Ratio Lower Upper
42 100
74 121.4 105.0 157.4
44 6.4 4.1 6.1#





#5
2-Fluorophenol
Concen: 107.995 ng
RT: 5.516 min Scan# 396
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

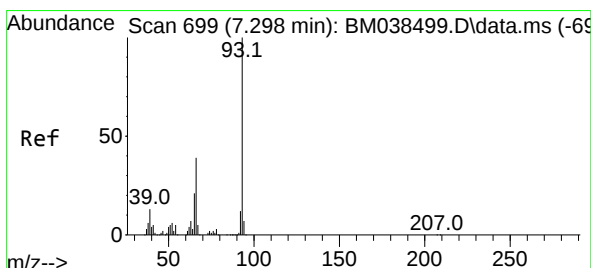
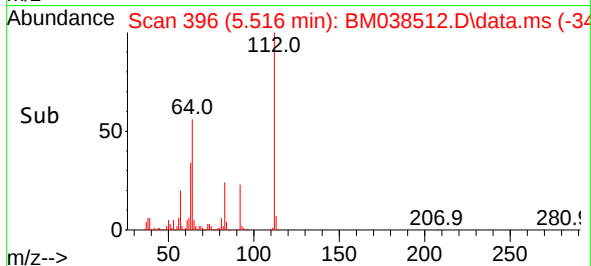
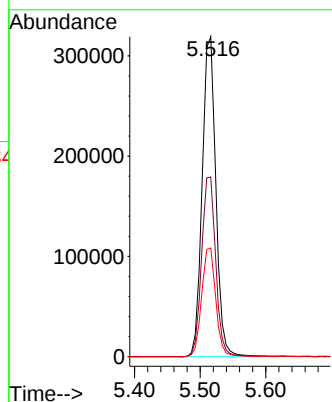


Tgt Ion: 112 Resp: 460000
Ion Ratio Lower Upper
112 100
64 56.1 47.3 70.9
63 33.9 28.8 43.2

Manual Integrations
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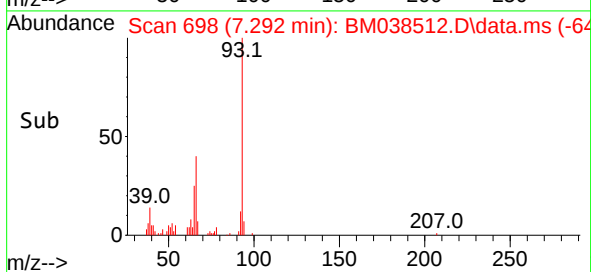
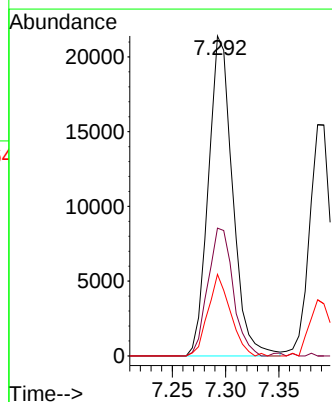
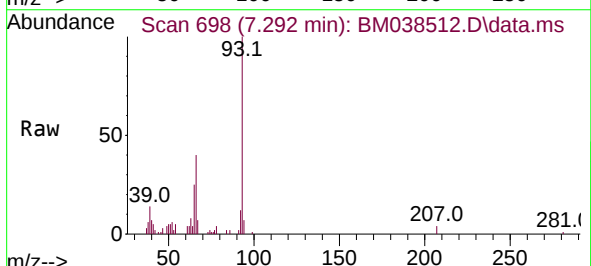
Reviewed By :Christian
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01/24/2023

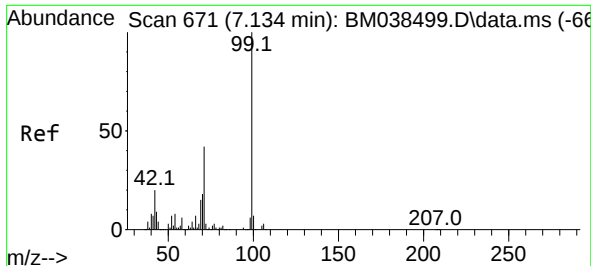
Supervised By :Jagrut
Upadhyay
01/24/2023



#6
Aniline
Concen: 5.021 ng
RT: 7.292 min Scan# 698
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

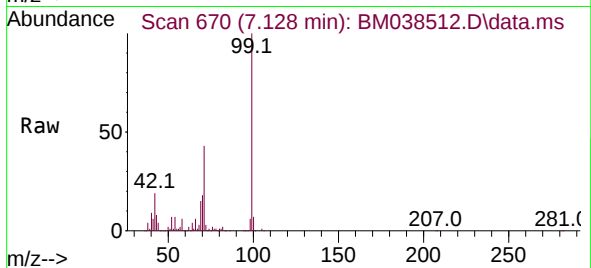
Tgt Ion: 93 Resp: 33869
Ion Ratio Lower Upper
93 100
66 39.9 31.6 47.4
65 25.5 16.6 24.8





#7
Phenol-d6
Concen: 108.200 ng
RT: 7.128 min Scan# 671
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

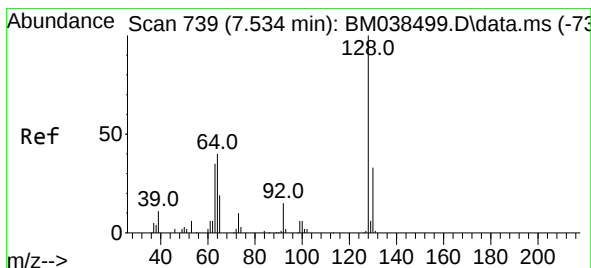
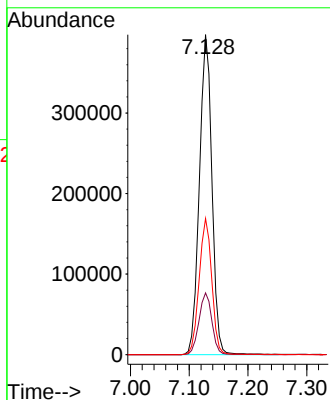
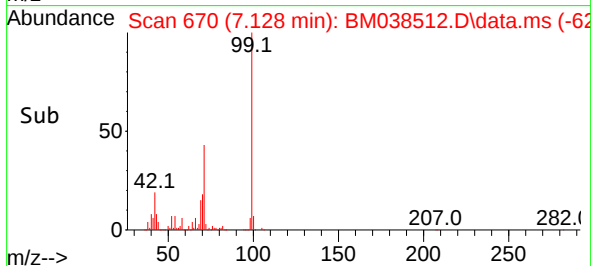
Instrument :
BNA_M
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Tgt Ion: 99 Resp: 588019
Ion Ratio Lower Upper
99 100
42 19.3 16.0 24.0
71 42.5 33.8 50.6

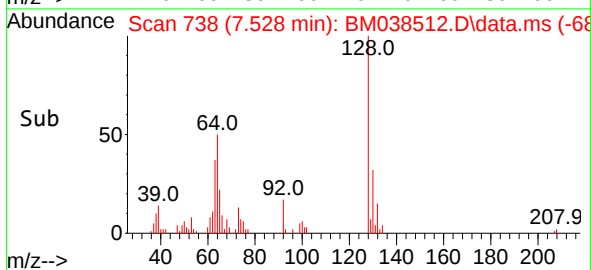
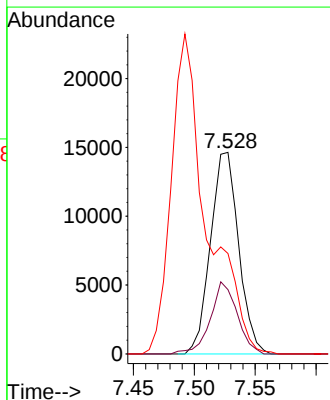
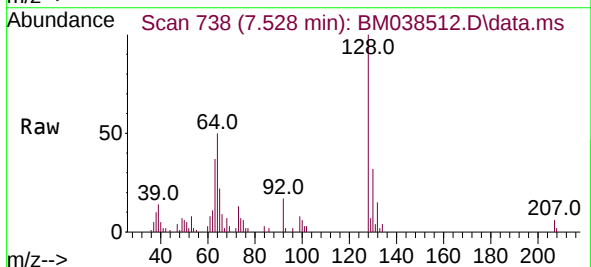
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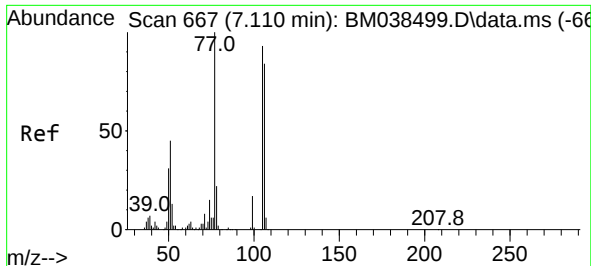
Reviewed By :Christian
Giraldo
01/24/2023
Supervised By :Jagrut
Upadhyay
01/24/2023



#8
2-Chlorophenol
Concen: 5.404 ng
RT: 7.528 min Scan# 738
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

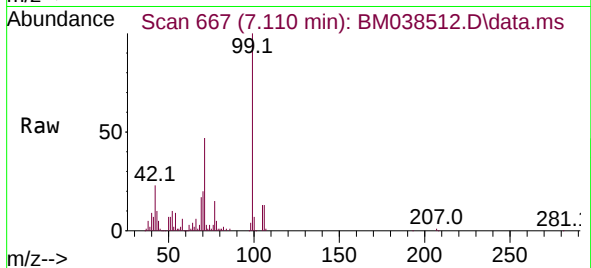
Tgt Ion:128 Resp: 23512
Ion Ratio Lower Upper
128 100
130 31.8 13.2 53.2
64 49.8 27.7 67.7





#9
Benzaldehyde
Concen: 6.398 ng m
RT: 7.110 min Scan# 667
Delta R.T. 0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

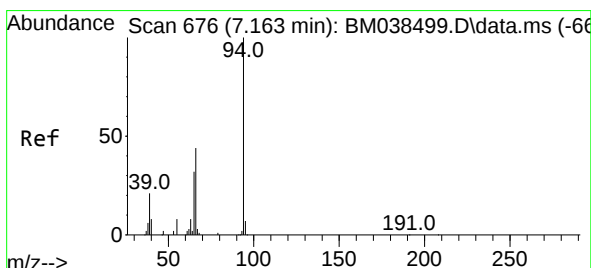
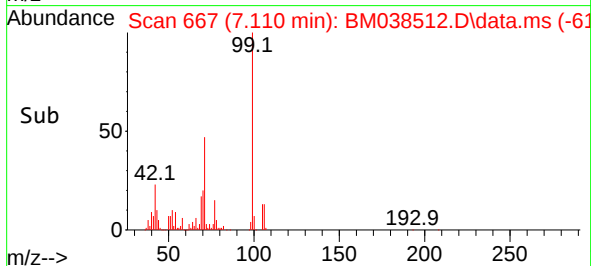
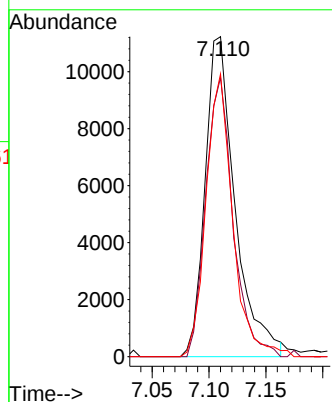


Tgt Ion: 77 Resp: 20625
Ion Ratio Lower Upper
77 100
105 87.2 72.9 112.9
106 88.3 63.8 103.8

Manual Integrations
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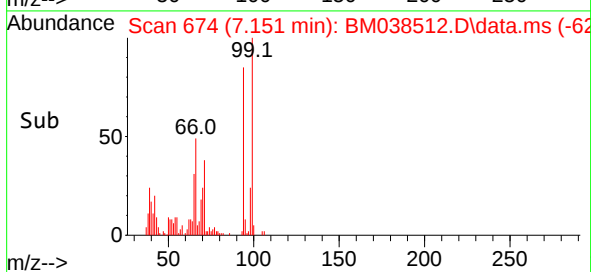
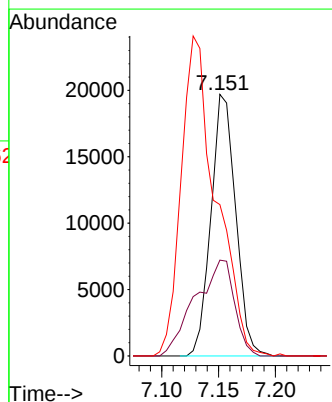
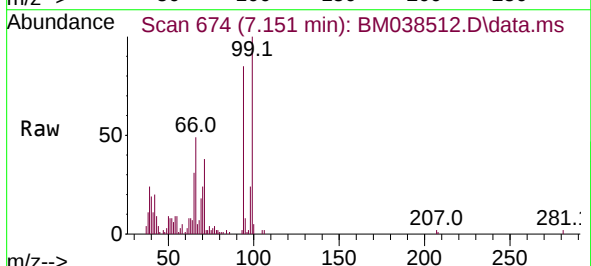
Reviewed By :Christian
Giraldo
01/24/2023

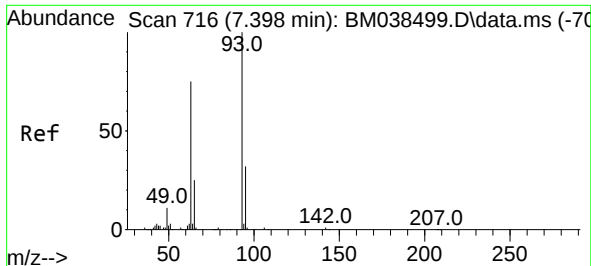
Supervised By :Jagrut
Upadhyay
01/24/2023



#10
Phenol
Concen: 5.483 ng
RT: 7.151 min Scan# 674
Delta R.T. -0.012 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

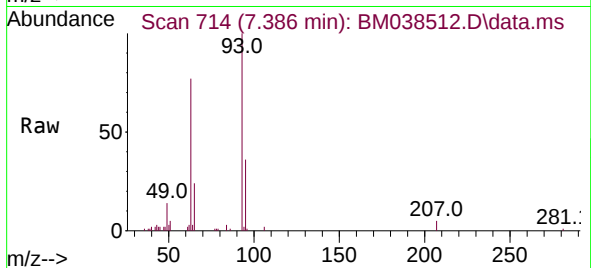
Tgt Ion: 94 Resp: 29777
Ion Ratio Lower Upper
94 100
65 36.6 12.7 52.7
66 57.8 26.0 66.0





#11
bis(2-Chloroethyl)ether
Concen: 5.402 ng
RT: 7.386 min Scan# 716
Delta R.T. -0.012 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

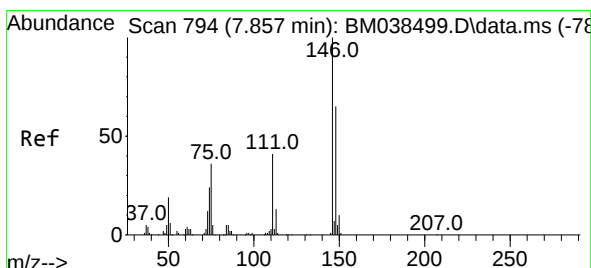
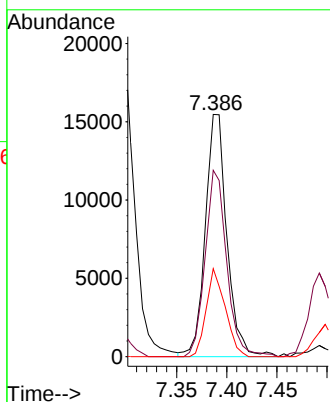
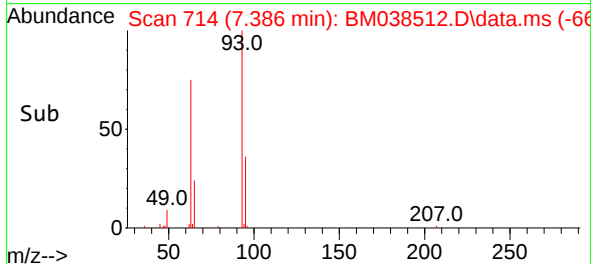
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022



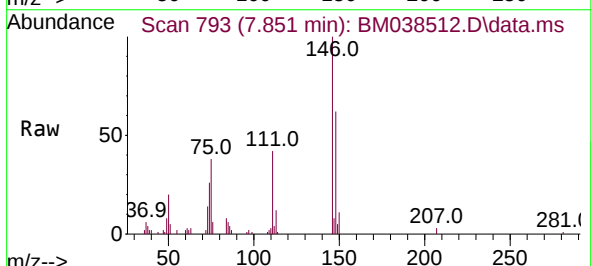
Tgt Ion: 93 Resp: 23148
Ion Ratio Lower Upper
93 100
63 77.0 54.4 94.4
95 36.3 11.4 51.4

Manual Integrations
APPROVED

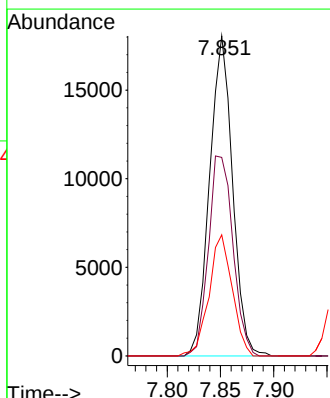
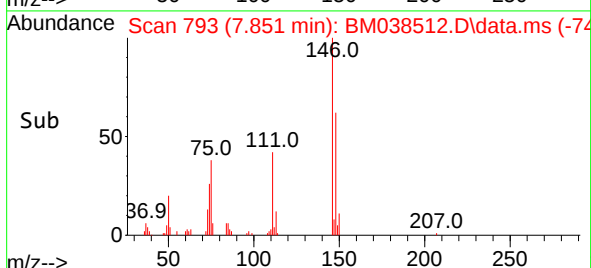
Reviewed By :Christian
Giraldo
01/24/2023
Supervised By :Jagrut
Upadhyay
01/24/2023

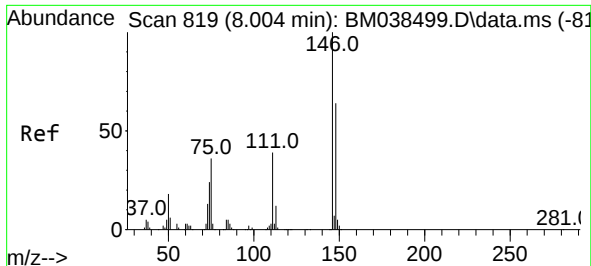


#12
1,3-Dichlorobenzene
Concen: 5.469 ng
RT: 7.851 min Scan# 793
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56



Tgt Ion:146 Resp: 27055
Ion Ratio Lower Upper
146 100
148 62.0 52.1 78.1
75 37.8 28.7 43.1





#13

1,4-Dichlorobenzene

Concen: 5.651 ng

RT: 7.998 min Scan# 819

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:	146	Resp:	28246
Ion Ratio	Lower	Upper	
146	100		
148	63.6	51.3	76.9
111	34.1	31.4	47.0

Manual Integrations
APPROVED

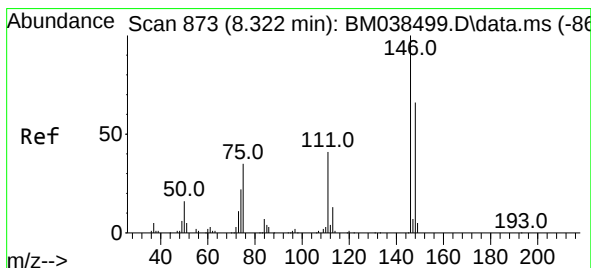
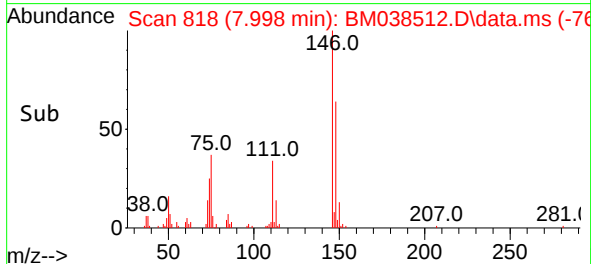
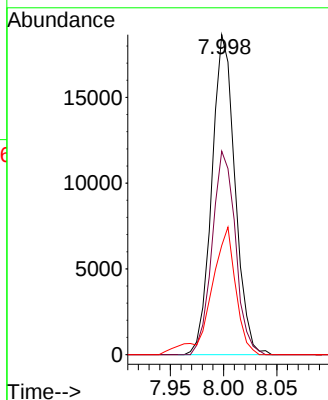
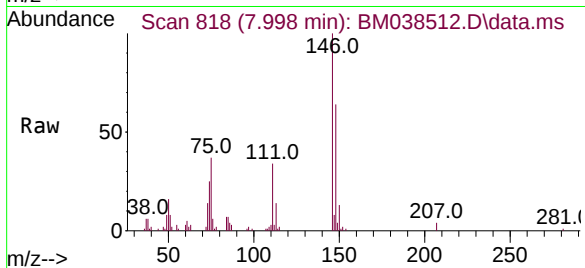
Reviewed By :Christian
Giraldo

01/24/2023

Supervised By :Jagrut

Upadhyay

01/24/2023



#14

1,2-Dichlorobenzene

Concen: 5.656 ng

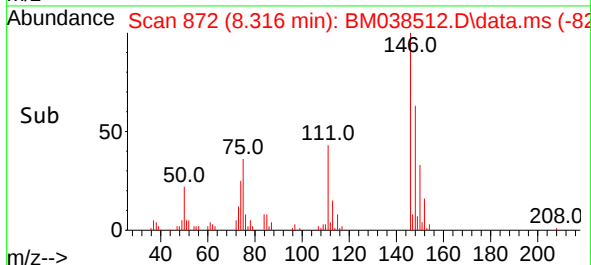
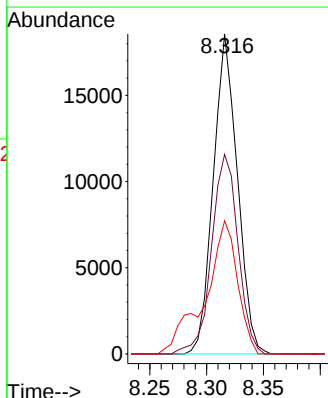
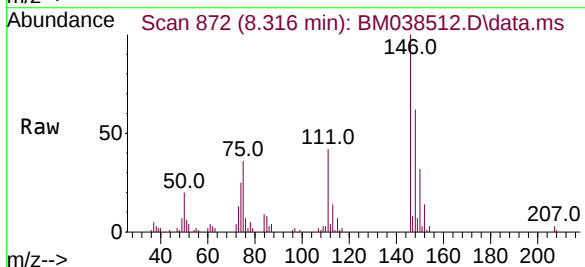
RT: 8.316 min Scan# 872

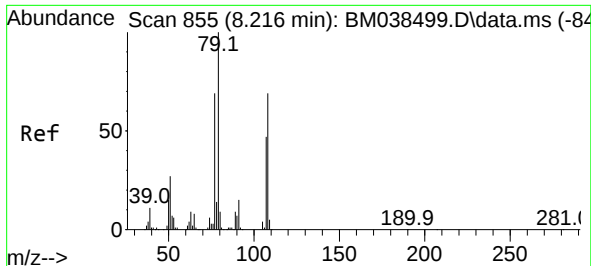
Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

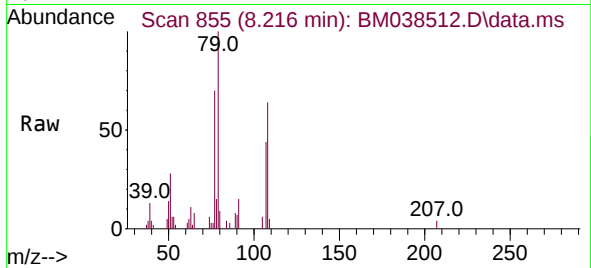
Tgt Ion:	146	Resp:	27384
Ion Ratio	Lower	Upper	
146	100		
148	62.4	52.7	79.1
111	41.6	33.2	49.8





#15
Benzyl Alcohol
Concen: 5.114 ng
RT: 8.216 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022



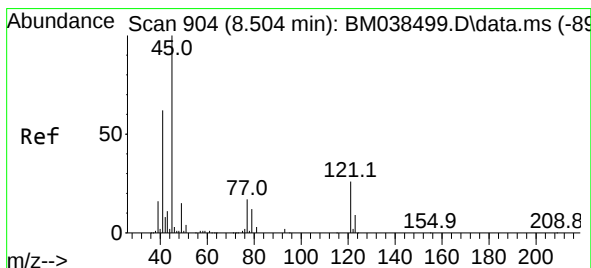
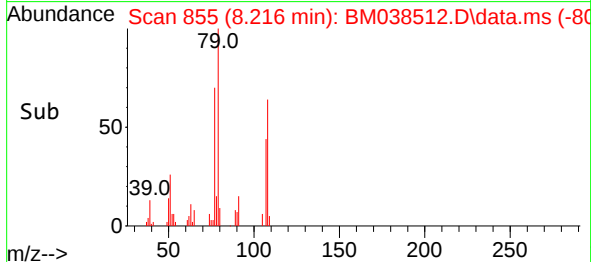
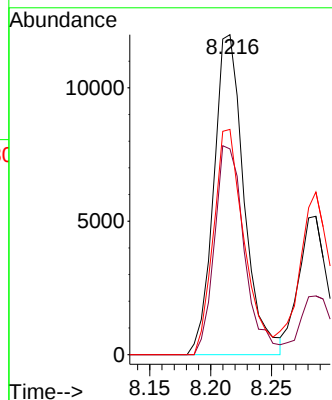
Tgt Ion: 79 Resp: 20778
Ion Ratio Lower Upper
79 100
108 64.3 55.0 82.6
77 70.4 55.0 82.4

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

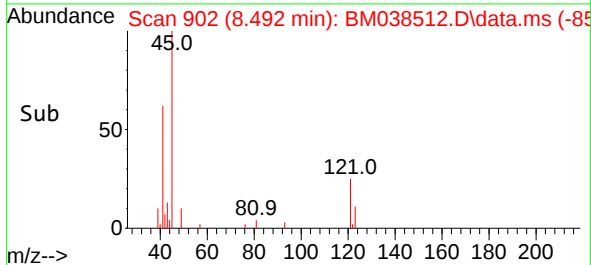
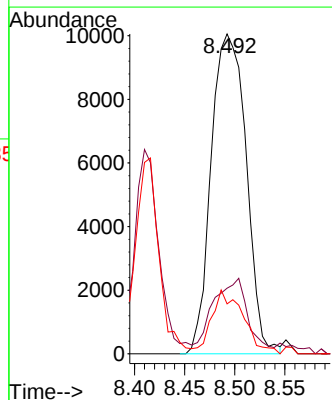
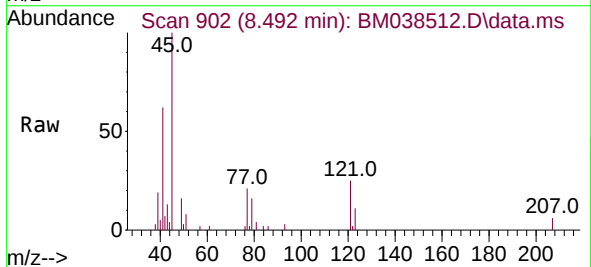
01/24/2023

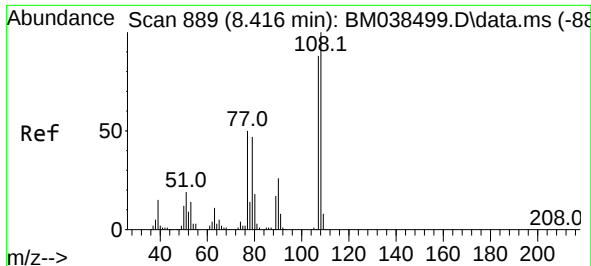
Supervised By :Jagrut
Upadhyay
01/24/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.433 ng
RT: 8.492 min Scan# 902
Delta R.T. -0.012 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

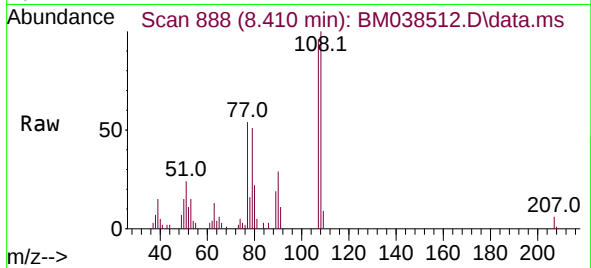
Tgt Ion: 45 Resp: 24445
Ion Ratio Lower Upper
45 100
77 20.5 0.0 39.2
79 15.6 0.0 34.9





#17
2-Methylphenol
Concen: 4.688 ng
RT: 8.410 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

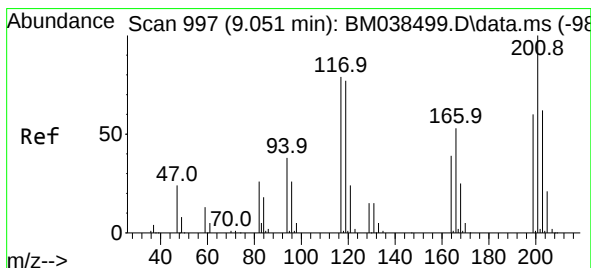
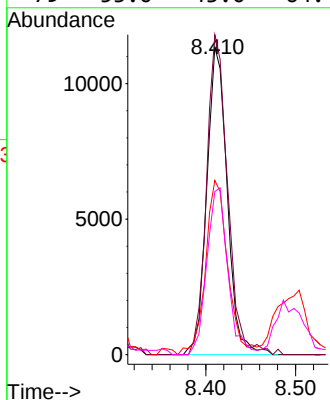


Tgt Ion	Ratio	Lower	Upper
107	100		
108	104.1	90.8	136.2
77	56.6	46.1	69.1
79	53.0	43.0	64.4

Manual Integrations
APPROVED

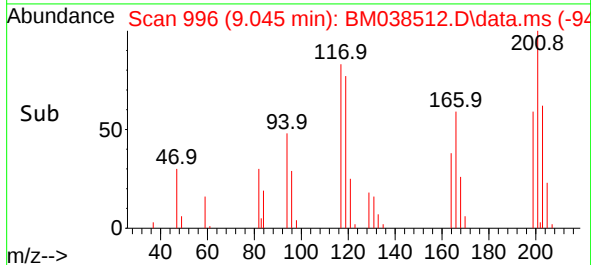
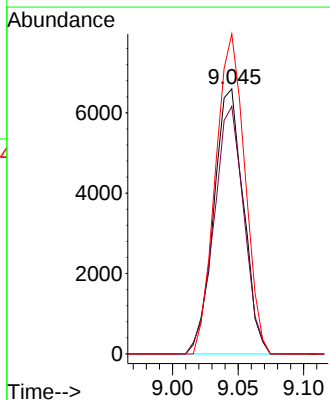
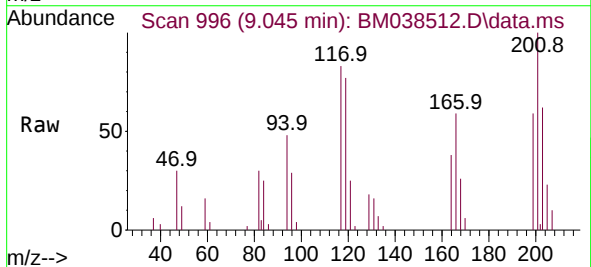
Reviewed By :Christian
Giraldo
01/24/2023

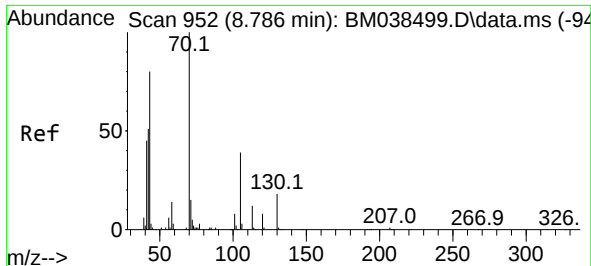
Supervised By :Jagrut
Upadhyay
01/24/2023



#18
Hexachloroethane
Concen: 5.568 ng
RT: 9.045 min Scan# 996
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

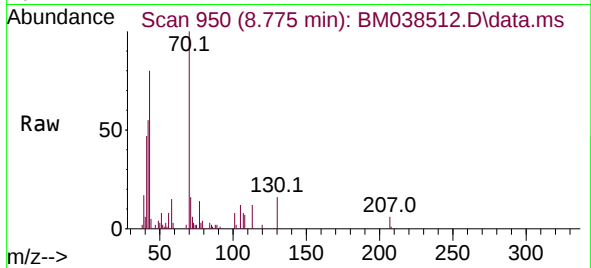
Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.9	116.9
201	120.8	100.6	151.0





#19
n-Nitroso-di-n-propylamine
Concen: 4.737 ng
RT: 8.775 min Scan# 91
Delta R.T. -0.011 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

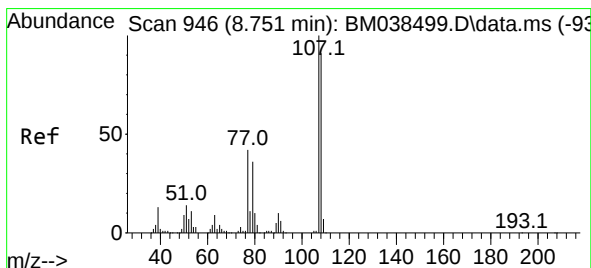
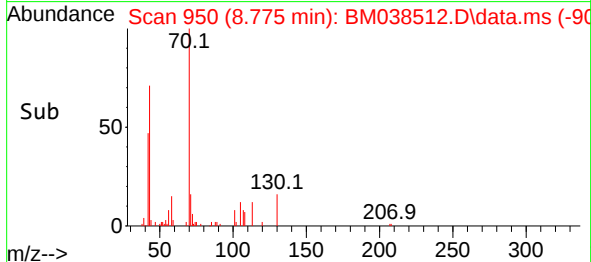
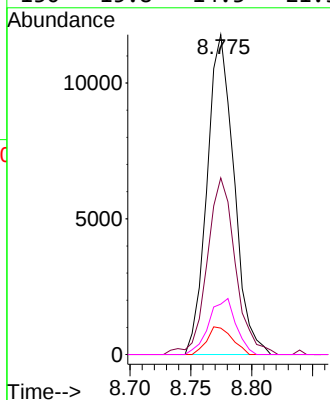


Tgt Ion:	70	Resp:	1814
Ion Ratio	Lower	Upper	
70	100		
42	55.2	41.4	62.2
101	8.3	6.5	9.7
130	15.8	14.3	21.5

Manual Integrations
APPROVED

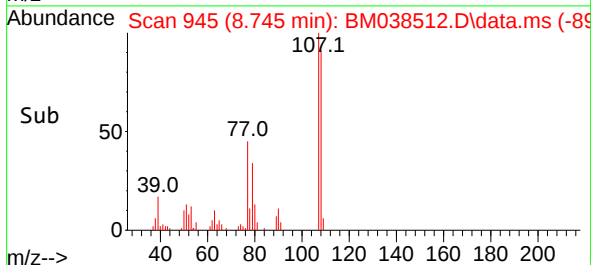
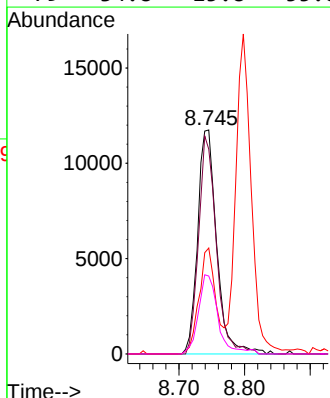
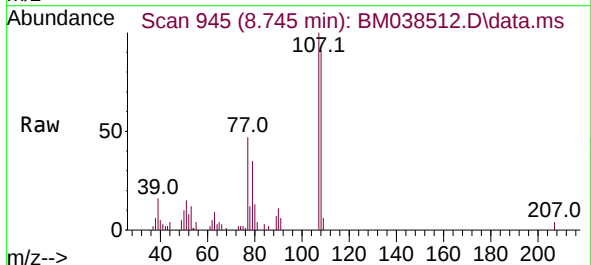
Reviewed By :Christian
Giraldo
01/24/2023

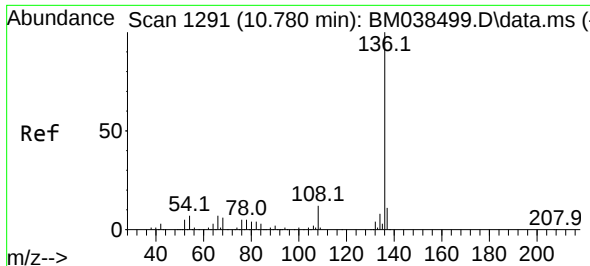
Supervised By :Jagrut
Upadhyay
01/24/2023



#20
3+4-Methylphenols
Concen: 4.588 ng
RT: 8.745 min Scan# 945
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

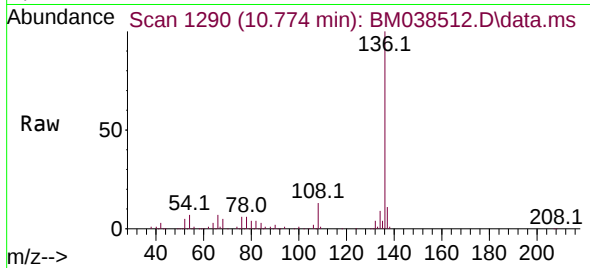
Tgt Ion:	107	Resp:	23632
Ion Ratio	Lower	Upper	
107	100		
108	91.4	70.7	110.7
77	47.3	22.0	62.0
79	34.8	15.8	55.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.774 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

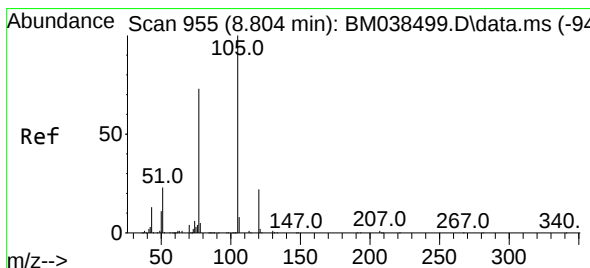
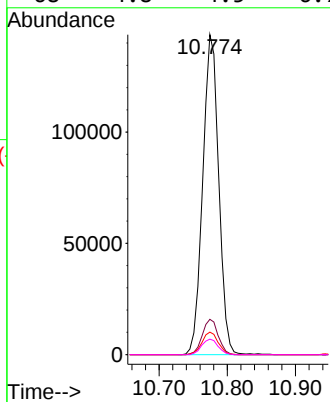
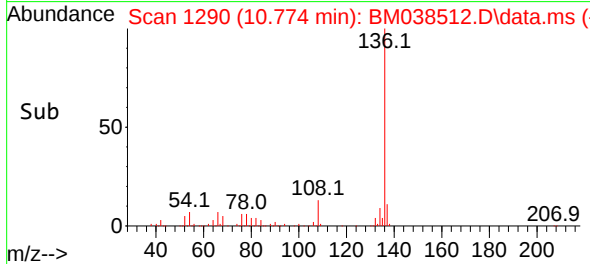


Tgt Ion:136 Resp: 233799
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.0 6.0 9.0
68 4.8 4.5 6.7

Manual Integrations
APPROVED

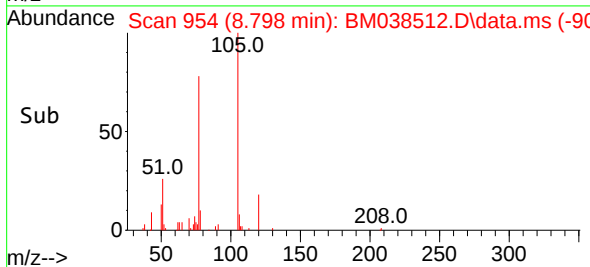
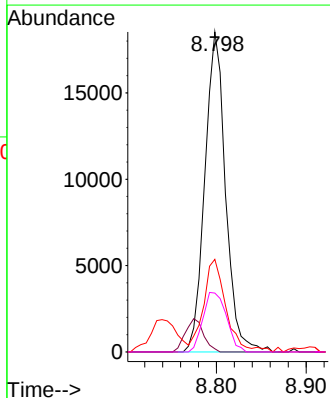
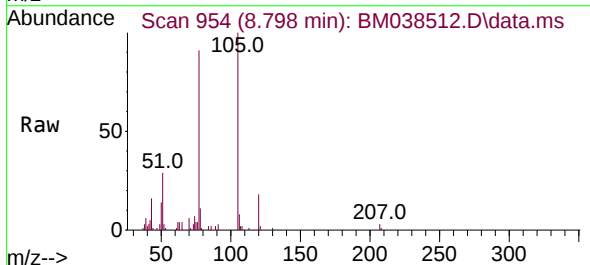
Reviewed By :Christian
Giraldo
01/24/2023

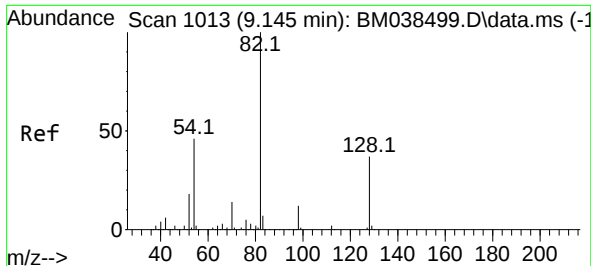
Supervised By :Jagrut
Upadhyay
01/24/2023



#22
Acetophenone
Concen: 4.618 ng
RT: 8.798 min Scan# 954
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

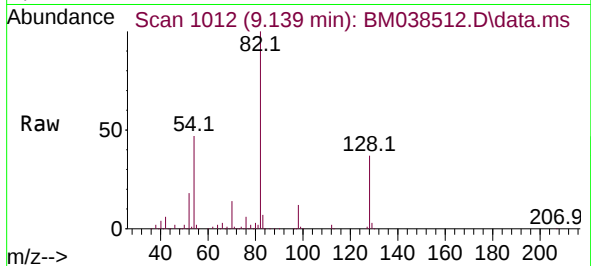
Tgt Ion:105 Resp: 29745
Ion Ratio Lower Upper
105 100
71 1.0 0.9 1.3
51 28.9 21.8 32.8
120 18.4 17.3 25.9





#23
Nitrobenzene-d5
Concen: 71.090 ng
RT: 9.139 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

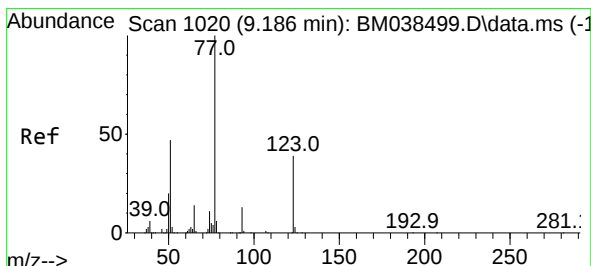
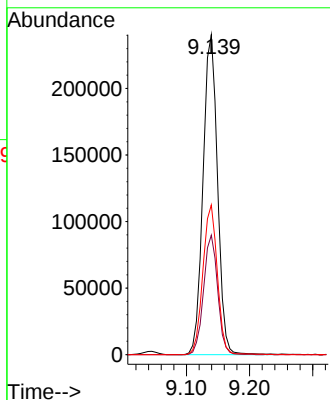
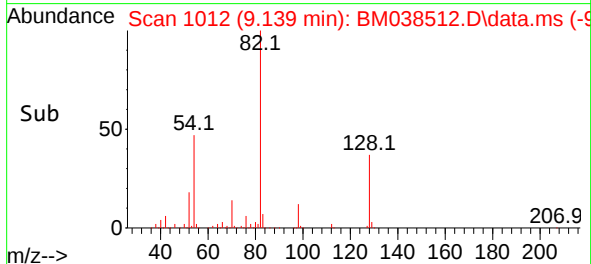


Tgt Ion: 82 Resp: 382746
Ion Ratio Lower Upper
82 100
128 37.3 29.3 43.9
54 46.8 36.9 55.3

Manual Integrations
APPROVED

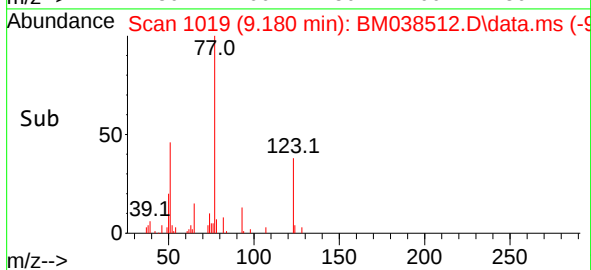
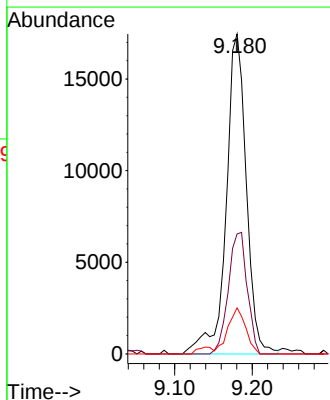
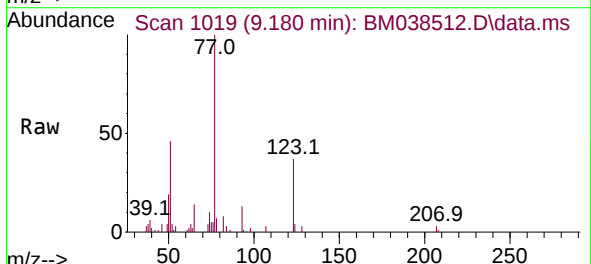
Reviewed By :Christian
Giraldo
01/24/2023

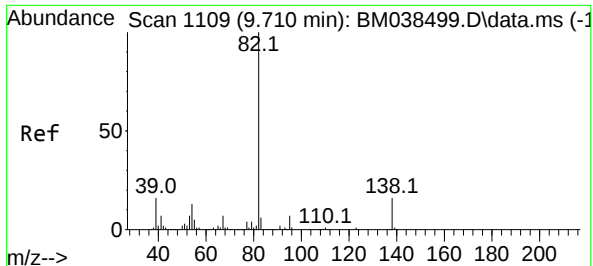
Supervised By :Jagrut
Upadhyay
01/24/2023



#24
Nitrobenzene
Concen: 5.797 ng
RT: 9.180 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

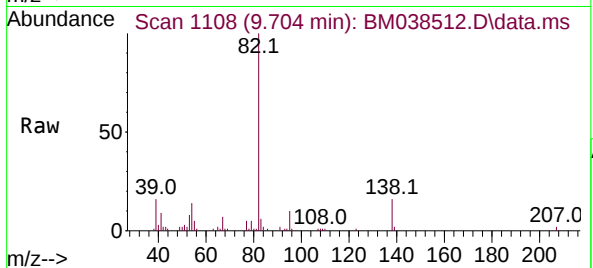
Tgt Ion: 77 Resp: 31580
Ion Ratio Lower Upper
77 100
123 37.5 31.5 47.3
65 14.4 11.2 16.8





#25
Isophorone
Concen: 5.075 ng
RT: 9.704 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

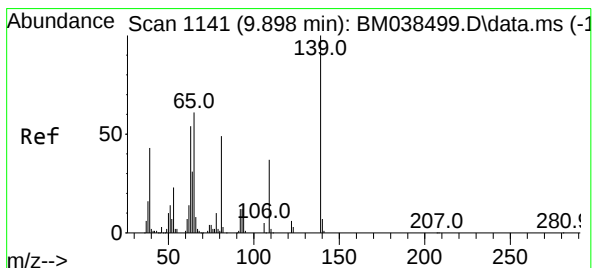
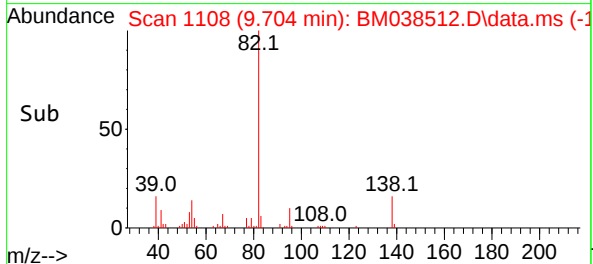
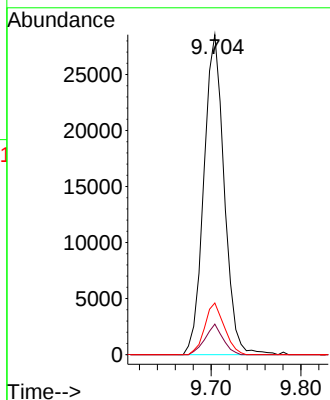


Tgt Ion: 82 Resp: 45093
Ion Ratio Lower Upper
82 100
95 9.5 5.6 8.4
138 16.1 13.2 19.8

Manual Integrations
APPROVED

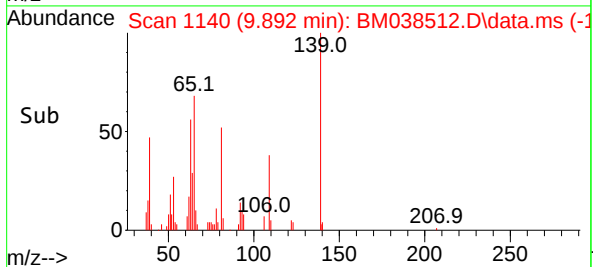
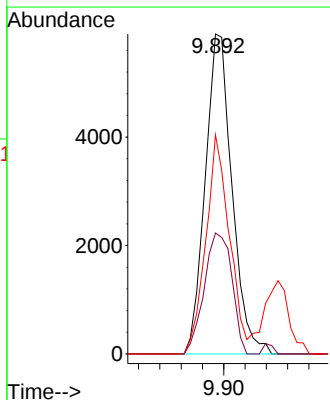
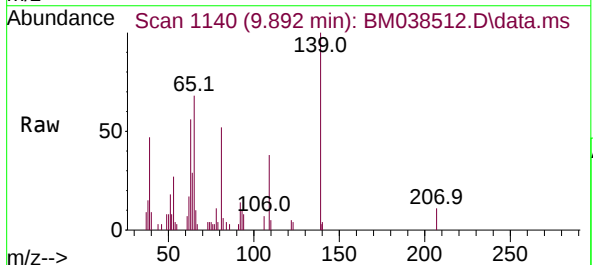
Reviewed By :Christian
Giraldo
01/24/2023

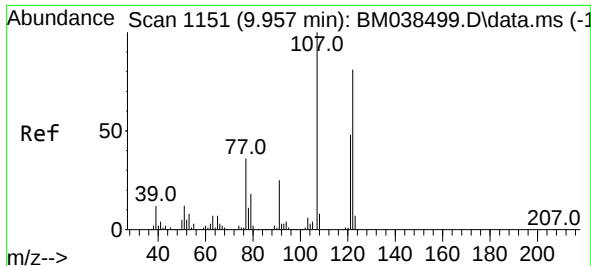
Supervised By :Jagrut
Upadhyay
01/24/2023



#26
2-Nitrophenol
Concen: 4.771 ng
RT: 9.892 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:139 Resp: 10316
Ion Ratio Lower Upper
139 100
109 37.8 29.3 43.9
65 68.5 48.6 72.8





#27

2,4-Dimethylphenol

Concen: 3.510 ng

RT: 9.945 min Scan# 1151

Delta R.T. -0.012 min

Lab File: BM038512.D

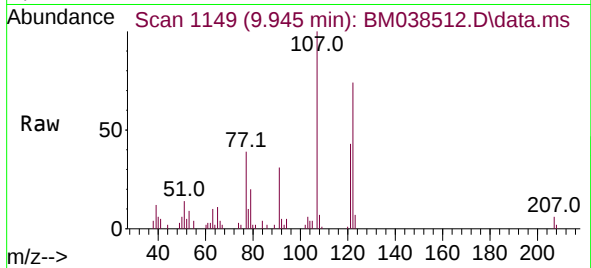
Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:122 Resp: 12633

Ion Ratio Lower Upper

122 100

107 134.7 98.2 147.2

121 58.6 47.1 70.7

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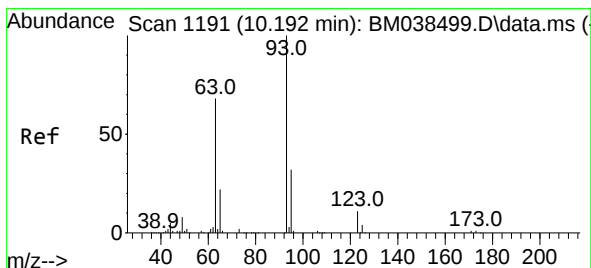
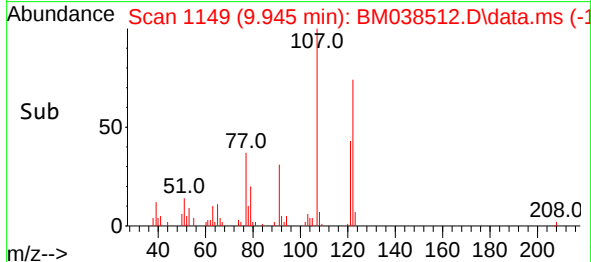
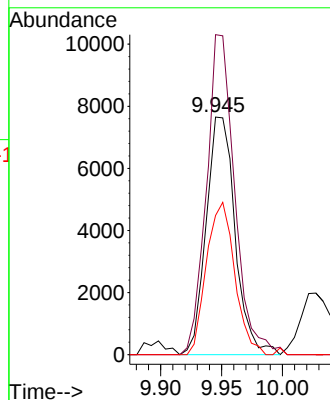
Giraldo

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Supervised By :Jagrut

Upadhyay

01/24/2023



#28

bis(2-Chloroethoxy)methane

Concen: 5.203 ng

RT: 10.186 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

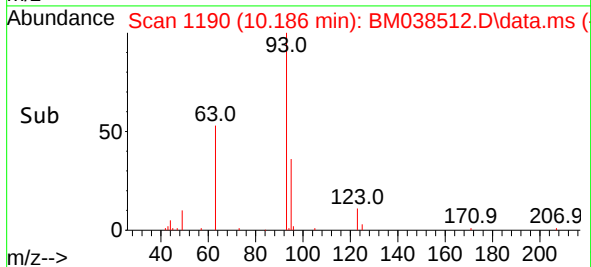
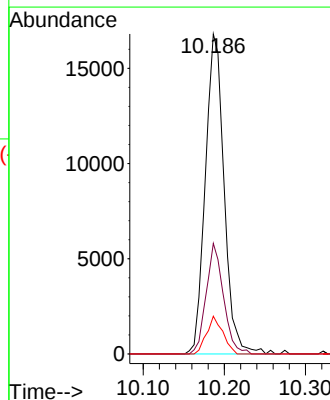
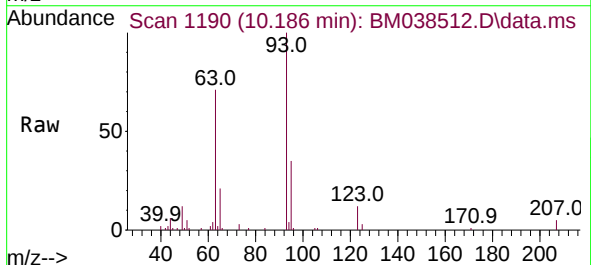
Tgt Ion: 93 Resp: 27041

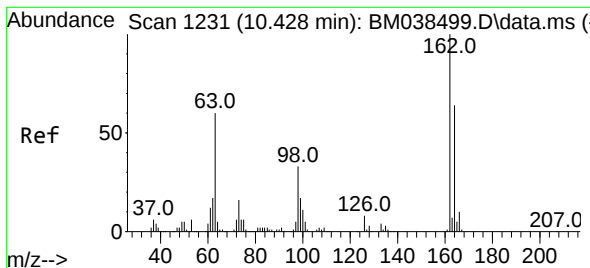
Ion Ratio Lower Upper

93 100

95 34.5 25.3 37.9

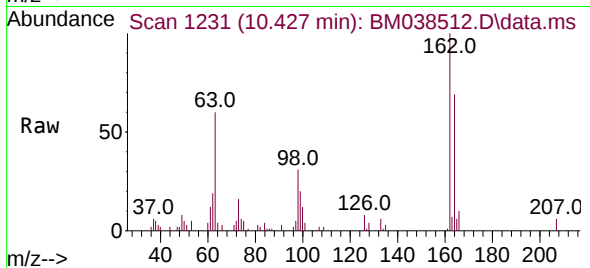
123 11.8 8.8 13.2





#29
2,4-Dichlorophenol
Concen: 4.780 ng
RT: 10.427 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

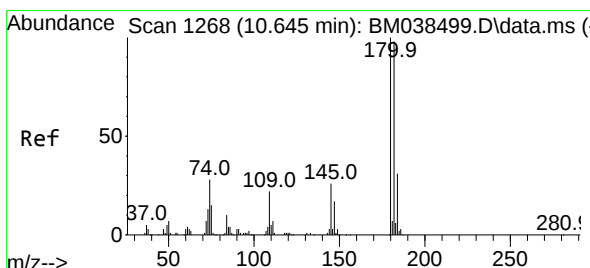
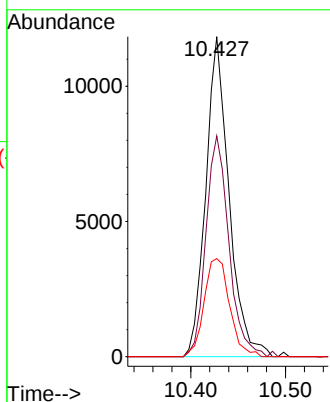
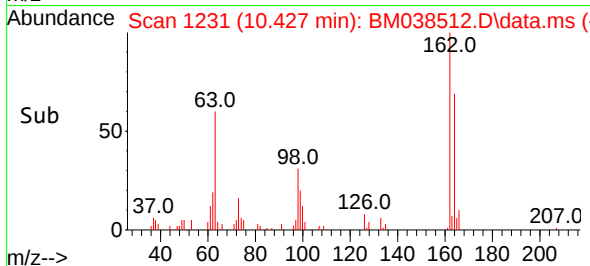


Tgt Ion:162 Resp: 2018
Ion Ratio Lower Upper
162 100
164 69.0 43.7 83.7
98 30.6 12.9 52.9

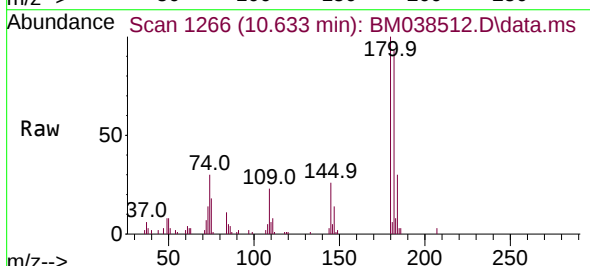
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
01/24/2023

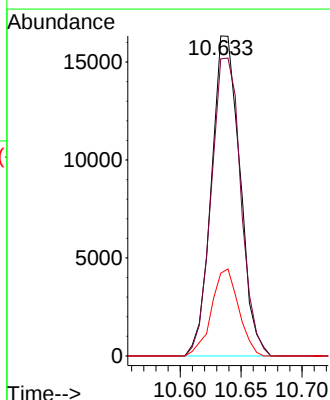
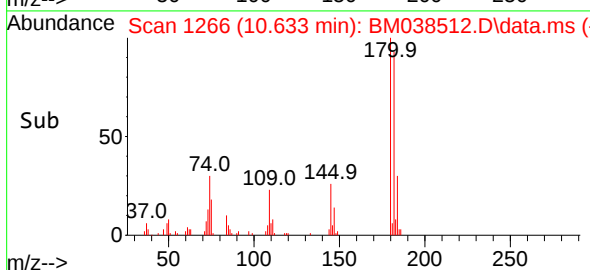
Supervised By :Jagrut
Upadhyay
01/24/2023

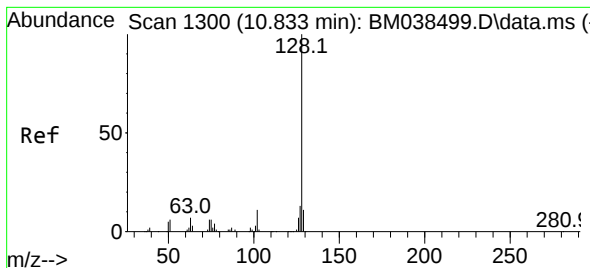


#30
1,2,4-Trichlorobenzene
Concen: 5.510 ng
RT: 10.633 min Scan# 1266
Delta R.T. -0.012 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56



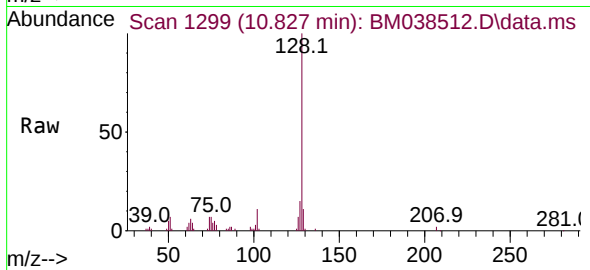
Tgt Ion:180 Resp: 26602
Ion Ratio Lower Upper
180 100
182 92.9 78.3 117.5
145 25.8 21.0 31.6





#31
Naphthalene
Concen: 5.130 ng
RT: 10.827 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

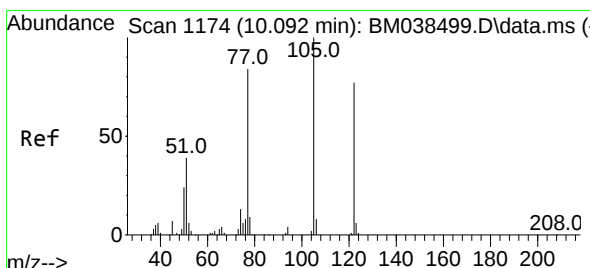
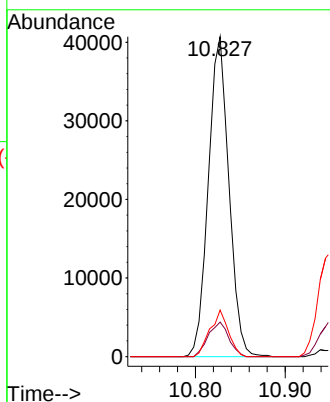
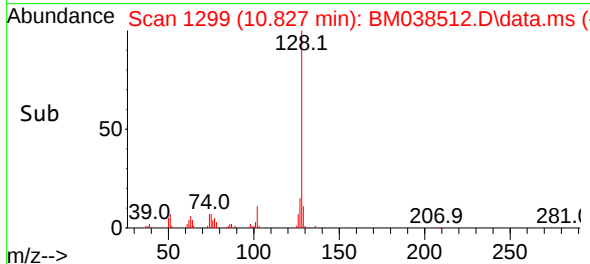
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:128 Resp: 65154
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 14.5 10.3 15.5

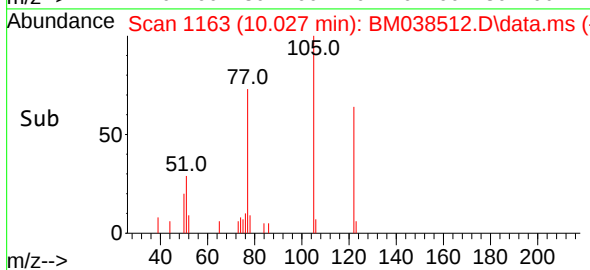
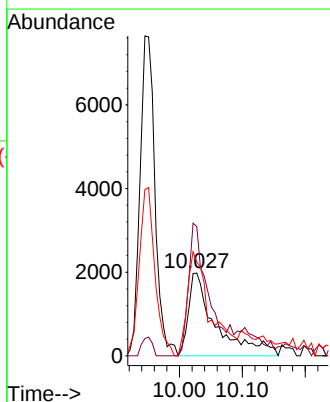
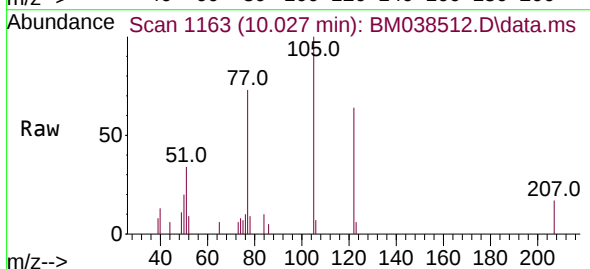
Manual Integrations
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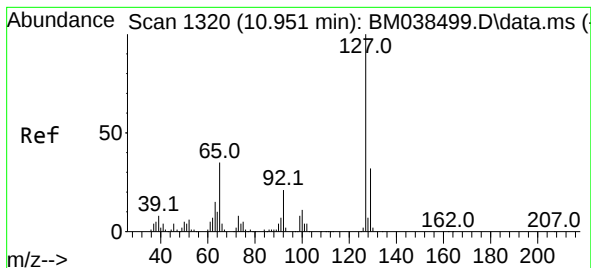
Reviewed By :Christian
Giraldo
01/24/2023
Supervised By :Jagrut
Upadhyay
01/24/2023



#32
Benzoic acid
Concen: 7.467 ng m
RT: 10.027 min Scan# 1163
Delta R.T. -0.065 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

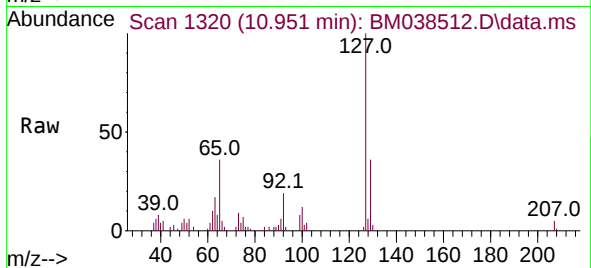
Tgt Ion:122 Resp: 5989
Ion Ratio Lower Upper
122 100
105 156.2 107.9 147.9#
77 113.6 88.6 128.6





#33
4-Chloroaniline
Concen: 4.677 ng
RT: 10.951 min Scan# 1320
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022



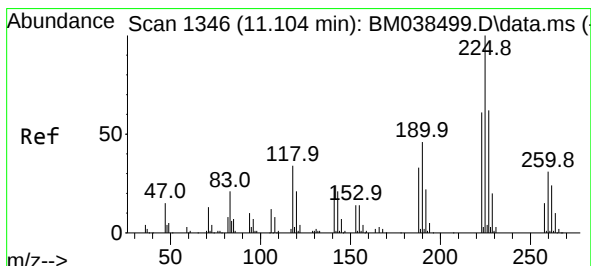
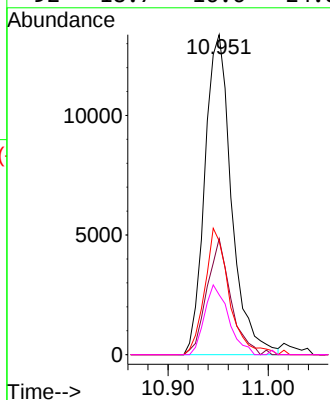
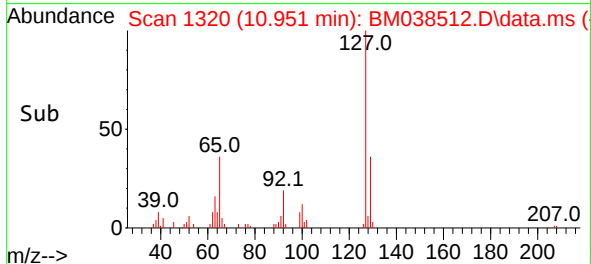
Tgt Ion	Ratio	Lower	Upper
127	100		
129	36.2	25.8	38.6
65	35.5	28.2	42.2
92	18.7	16.6	24.8

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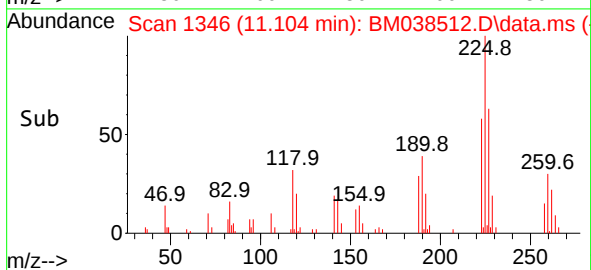
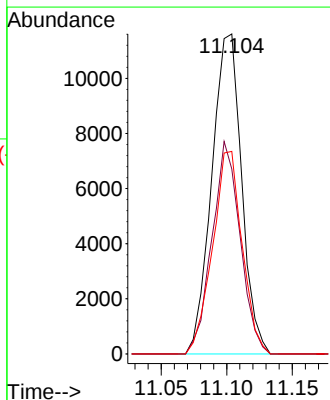
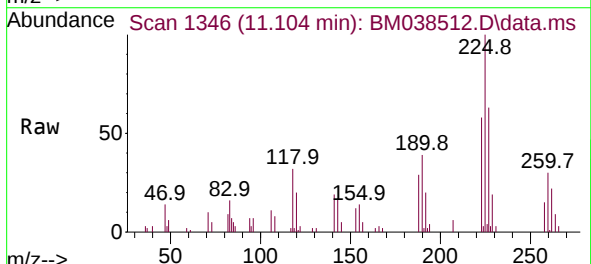
01/24/2023

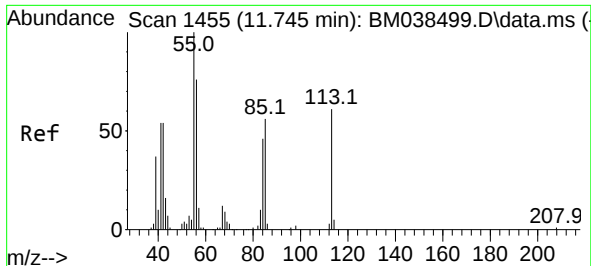
Supervised By :Jagrut
Upadhyay
01/24/2023



#34
Hexachlorobutadiene
Concen: 5.788 ng
RT: 11.104 min Scan# 1346
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

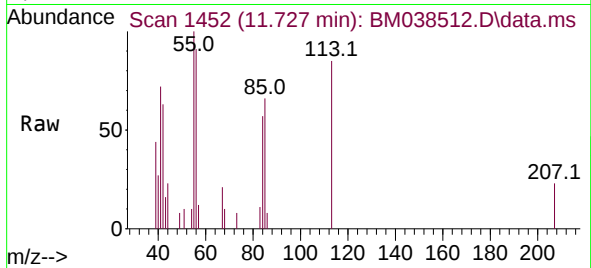
Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.8	48.8	73.2
227	63.3	49.4	74.0





#35
Caprolactam
Concen: 3.444 ng m
RT: 11.727 min Scan# 1455
Delta R.T. -0.018 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

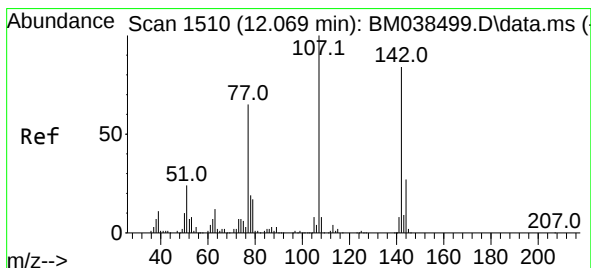
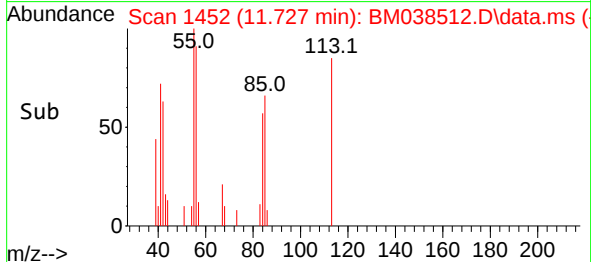
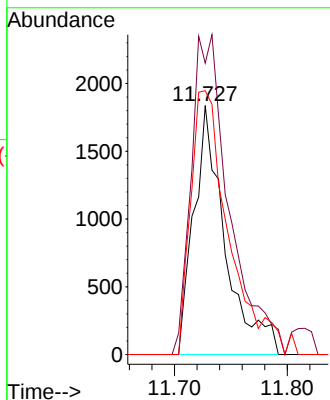


Tgt Ion:113 Resp: 3525
Ion Ratio Lower Upper
113 100
55 117.0 145.0 185.0
56 105.9 105.7 145.7

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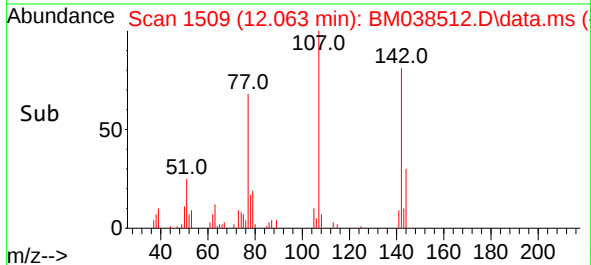
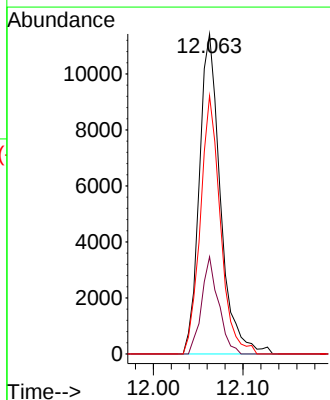
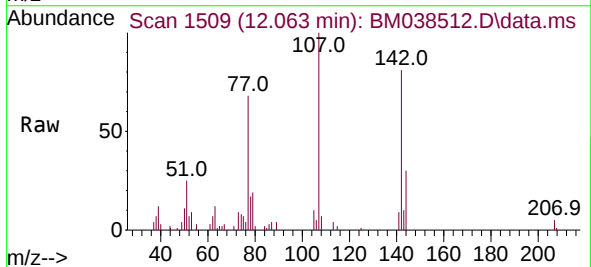
Reviewed By :Christian
Giraldo
01/24/2023

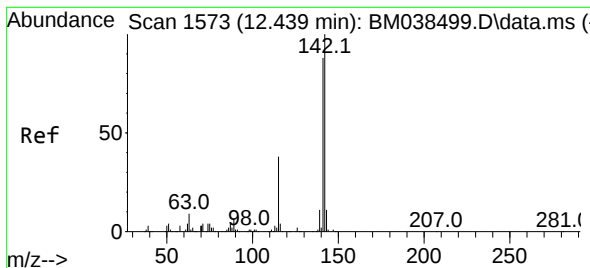
Supervised By :Jagrut
Upadhyay
01/24/2023



#36
4-Chloro-3-methylphenol
Concen: 4.854 ng
RT: 12.063 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

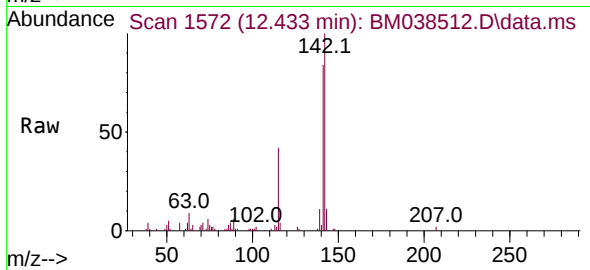
Tgt Ion:107 Resp: 18636
Ion Ratio Lower Upper
107 100
144 30.3 22.0 33.0
142 80.6 67.5 101.3





#37
2-Methylnaphthalene
Concen: 4.850 ng
RT: 12.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

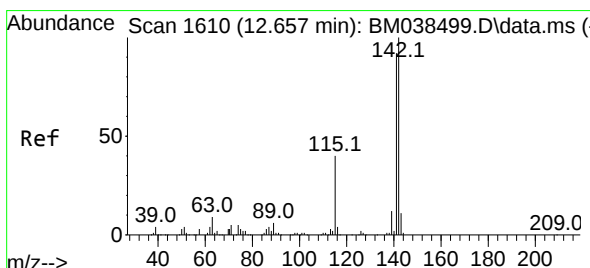
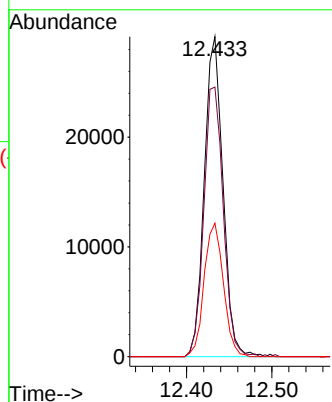
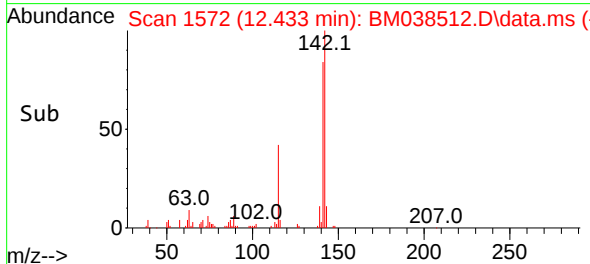


Tgt Ion:142 Resp: 44262
Ion Ratio Lower Upper
142 100
141 84.2 70.7 106.1
115 41.7 30.4 45.6

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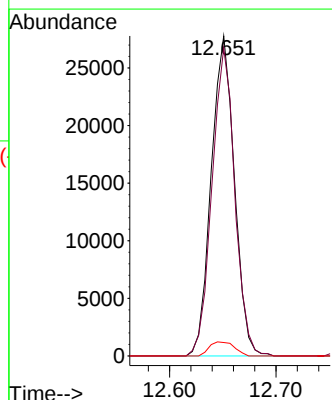
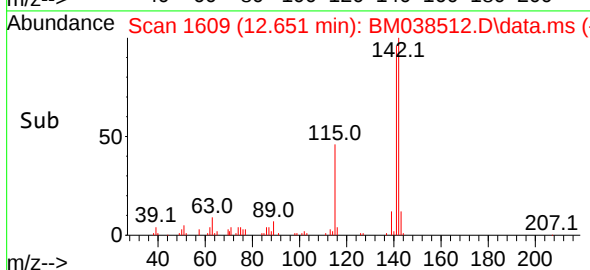
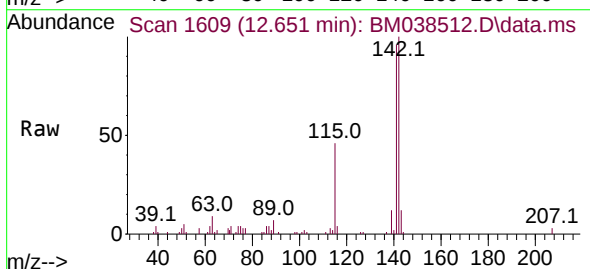
Reviewed By :Christian
Giraldo
01/24/2023

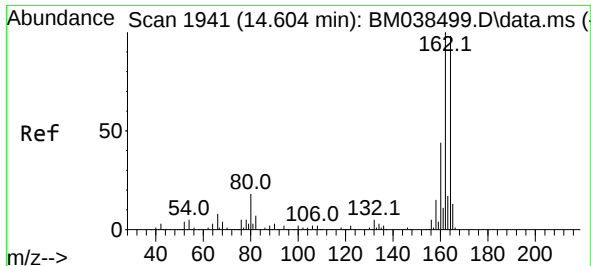
Supervised By :Jagrut
Upadhyay
01/24/2023



#38
1-Methylnaphthalene
Concen: 4.883 ng
RT: 12.651 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

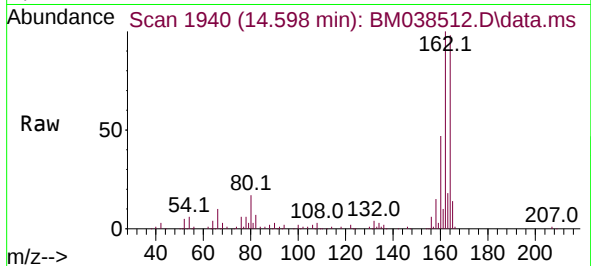
Tgt Ion:142 Resp: 42037
Ion Ratio Lower Upper
142 100
141 96.2 73.4 110.0
116 4.2 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

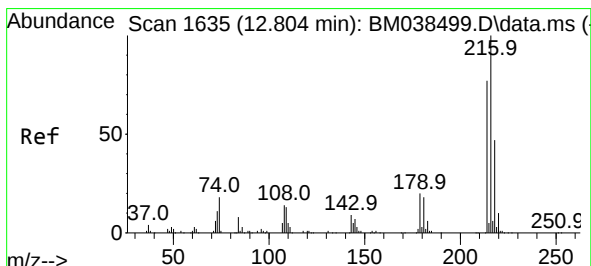
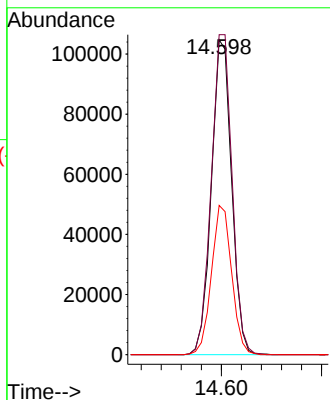
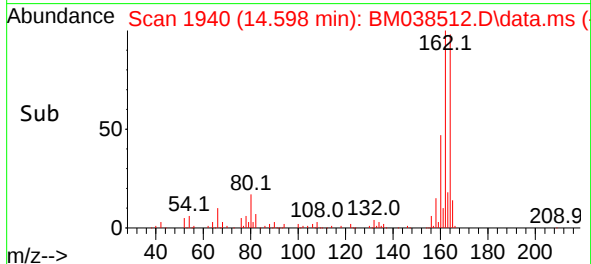


Tgt Ion:164 Resp: 146347
Ion Ratio Lower Upper
164 100
162 101.6 82.0 123.0
160 47.4 35.8 53.6

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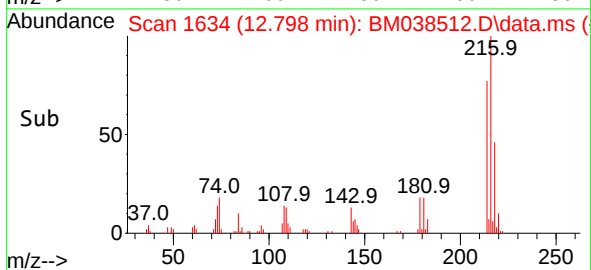
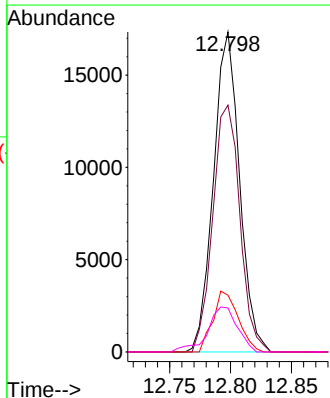
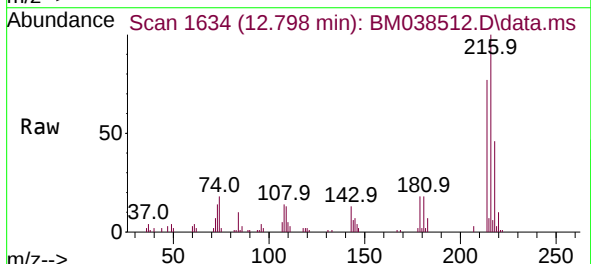
Reviewed By :Christian
Giraldo
01/24/2023

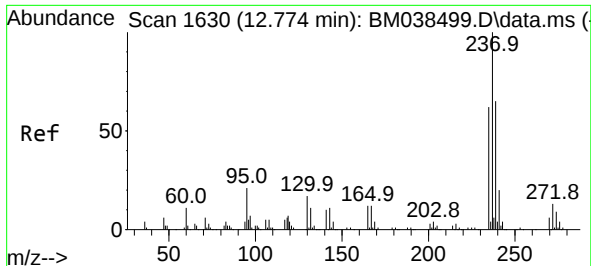
Supervised By :Jagrut
Upadhyay
01/24/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.690 ng
RT: 12.798 min Scan# 1634
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

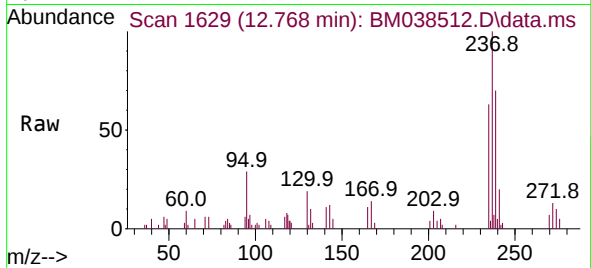
Tgt Ion:216 Resp: 25820
Ion Ratio Lower Upper
216 100
214 80.0 61.4 92.0
179 18.4 15.7 23.5
108 16.1 14.0 21.0





#41
Hexachlorocyclopentadiene
Concen: 4.251 ng
RT: 12.768 min Scan# 1629
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

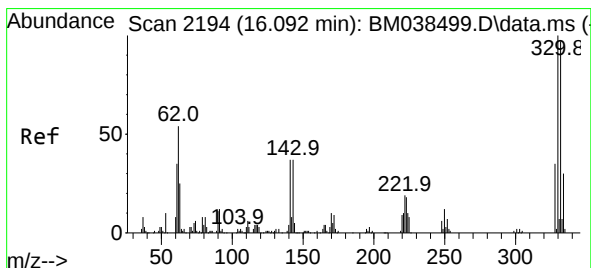
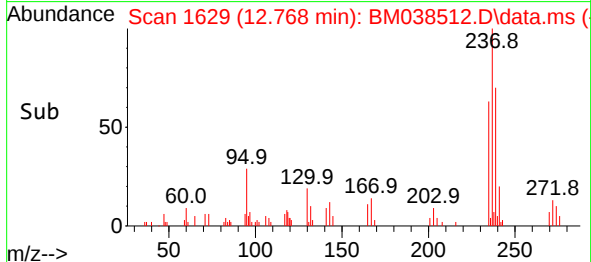
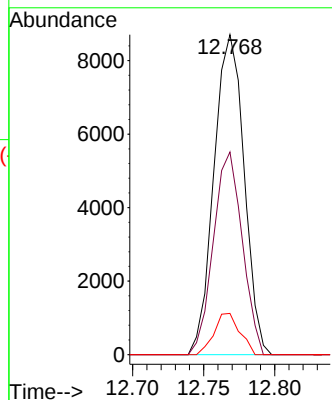


Tgt Ion:237 Resp: 12863
Ion Ratio Lower Upper
237 100
235 63.3 42.3 82.3
272 12.9 0.0 32.9

Manual Integrations
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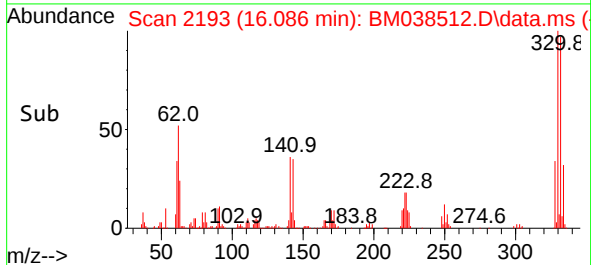
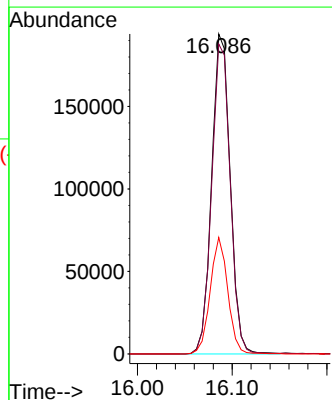
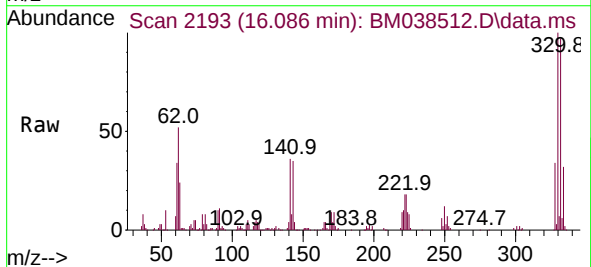
Reviewed By :Christian
Giraldo
01/24/2023

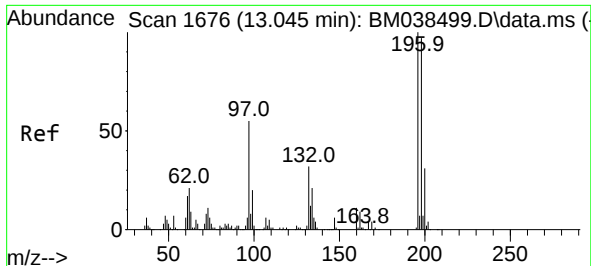
Supervised By :Jagrut
Upadhyay
01/24/2023



#42
2,4,6-Tribromophenol
Concen: 125.391 ng
RT: 16.086 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:330 Resp: 264255
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 34.5 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 4.997 ng

RT: 13.039 min Scan# 1675

Delta R.T. -0.006 min

Lab File: BM038512.D

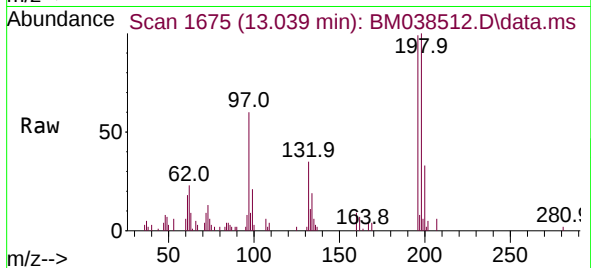
Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:196 Resp: 17608

Ion	Ratio	Lower	Upper
196	100		
198	100.6	77.9	116.9
200	33.0	24.5	36.7

Manual Integrations
APPROVED

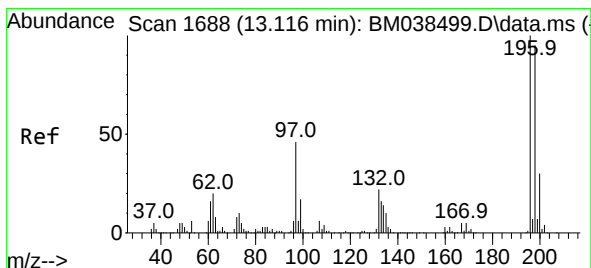
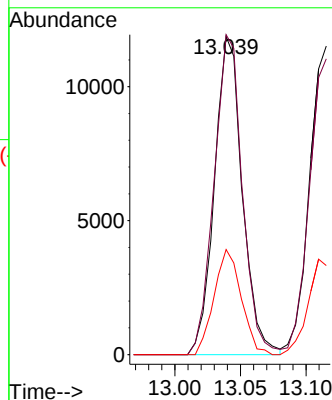
Reviewed By :Christian
Giraldo

01/24/2023

Supervised By :Jagrut

Upadhyay

01/24/2023



#44

2,4,5-Trichlorophenol

Concen: 4.702 ng

RT: 13.115 min Scan# 1688

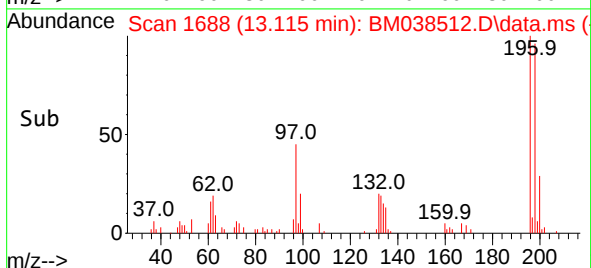
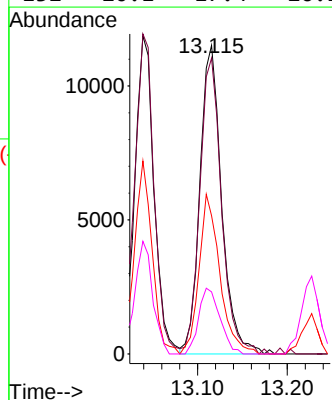
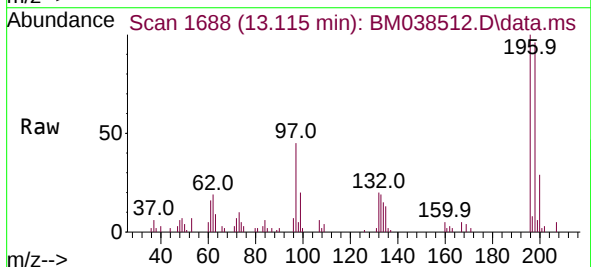
Delta R.T. -0.000 min

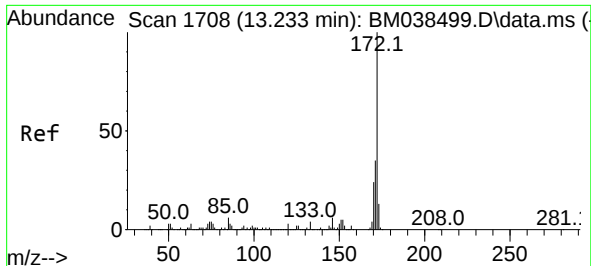
Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Tgt Ion:196 Resp: 19408

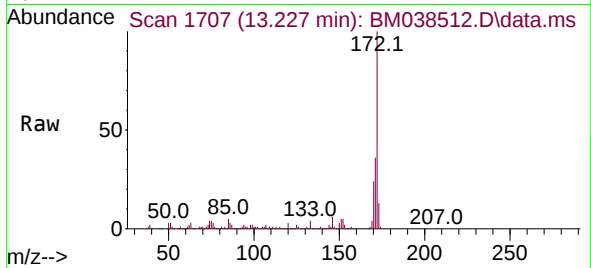
Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.0	114.0
97	44.8	36.9	55.3
132	20.1	17.4	26.2





#45
2-Fluorobiphenyl
Concen: 72.930 ng
RT: 13.227 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

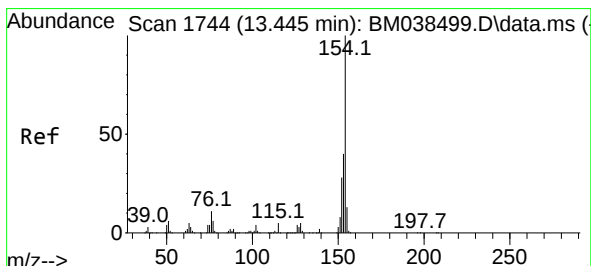
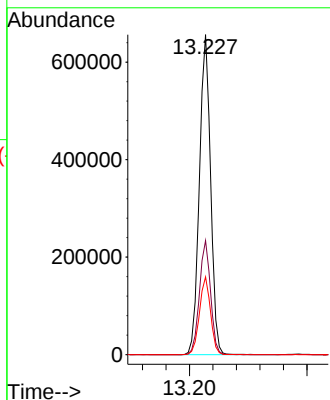
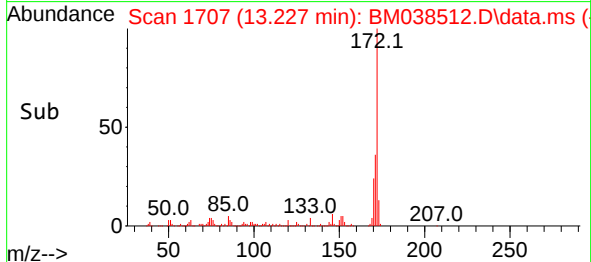
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022



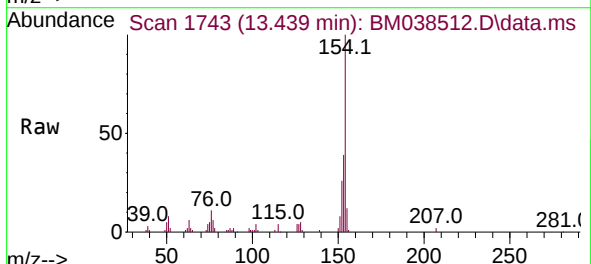
Tgt Ion:172 Resp: 866444
Ion Ratio Lower Upper
172 100
171 35.6 28.0 42.0
170 24.3 19.5 29.3

Manual Integrations
APPROVED

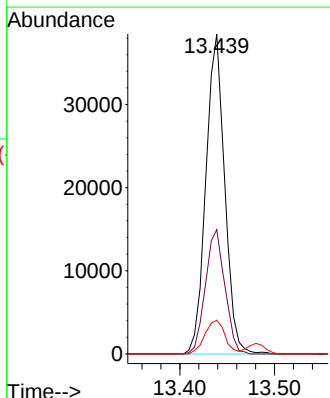
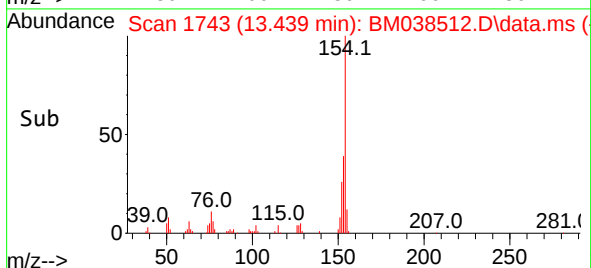
Reviewed By :Christian
Giraldo
01/24/2023
Supervised By :Jagrut
Upadhyay
01/24/2023

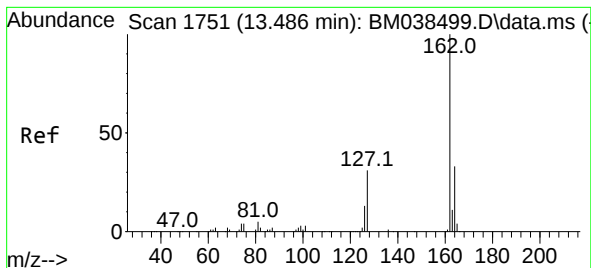


#46
1,1'-Biphenyl
Concen: 4.533 ng
RT: 13.439 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56



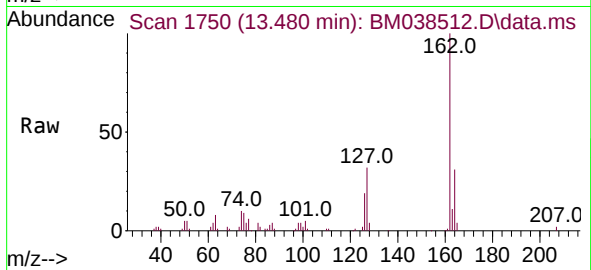
Tgt Ion:154 Resp: 53130
Ion Ratio Lower Upper
154 100
153 38.8 20.1 60.1
76 10.5 0.0 31.3





#47
2-Chloronaphthalene
Concen: 5.457 ng
RT: 13.480 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

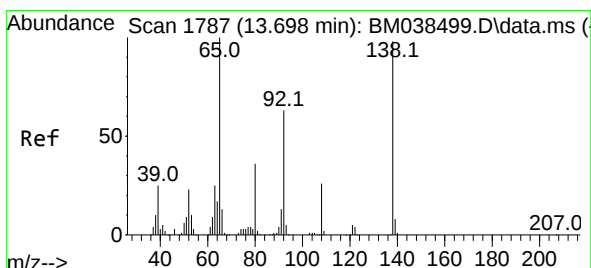
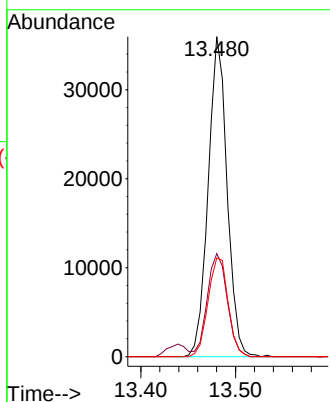
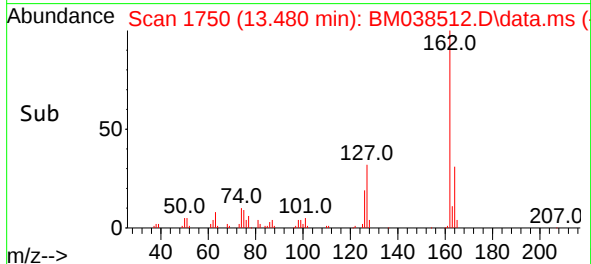


Tgt Ion:162 Resp: 49929
Ion Ratio Lower Upper
162 100
127 32.2 27.4 41.2
164 30.8 26.7 40.1

Manual Integrations
APPROVED

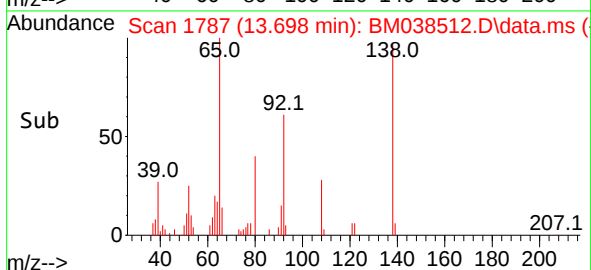
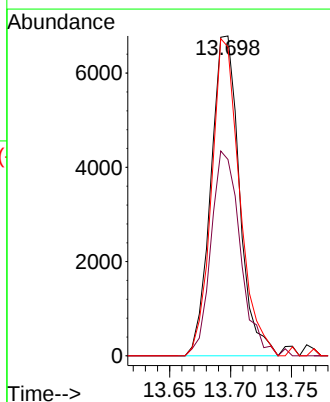
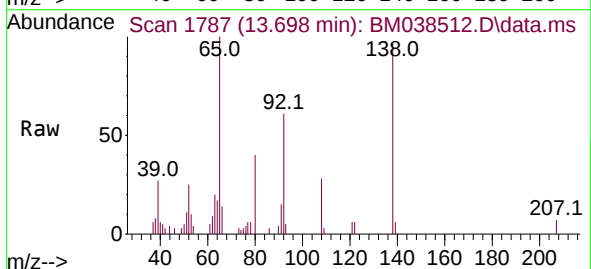
Reviewed By :Christian
Giraldo
01/24/2023

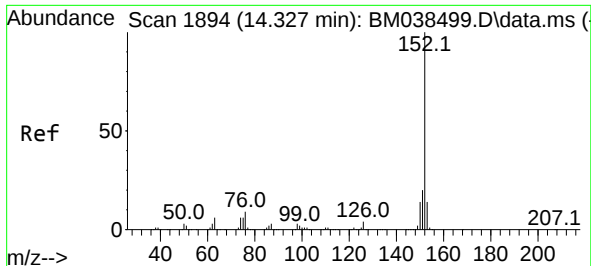
Supervised By :Jagrut
Upadhyay
01/24/2023



#48
2-Nitroaniline
Concen: 4.125 ng
RT: 13.698 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

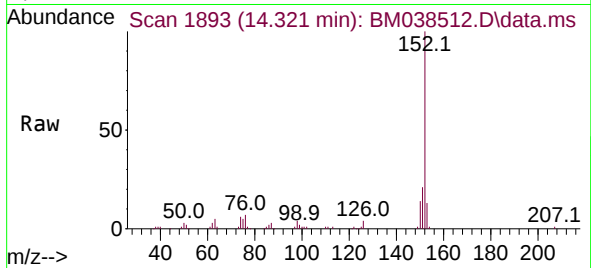
Tgt Ion: 65 Resp: 11083
Ion Ratio Lower Upper
65 100
92 61.4 50.0 75.0
138 96.6 78.2 117.2





#49
Acenaphthylene
Concen: 4.859 ng
RT: 14.321 min Scan# 1893
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

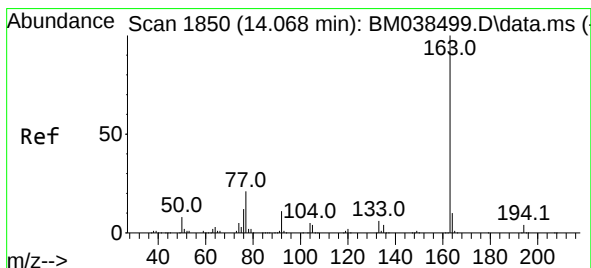
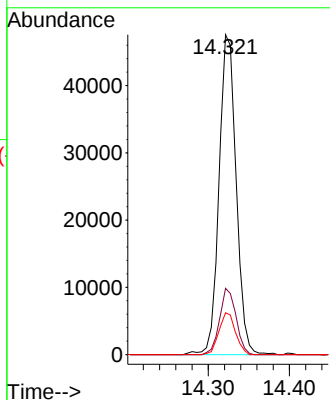
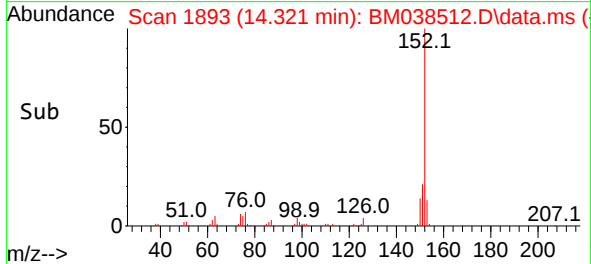


Tgt Ion:152 Resp: 69550
Ion Ratio Lower Upper
152 100
151 20.7 16.0 24.0
153 13.1 10.8 16.2

Manual Integrations
APPROVED

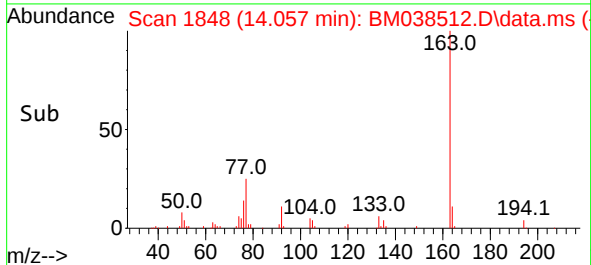
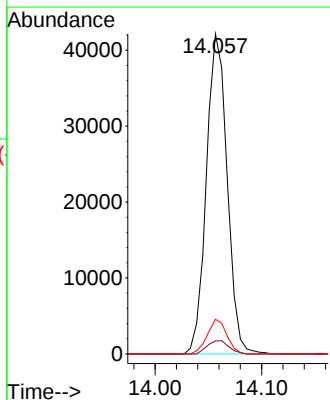
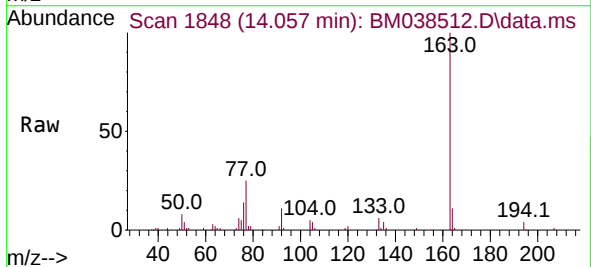
Reviewed By :Christian
Giraldo
01/24/2023

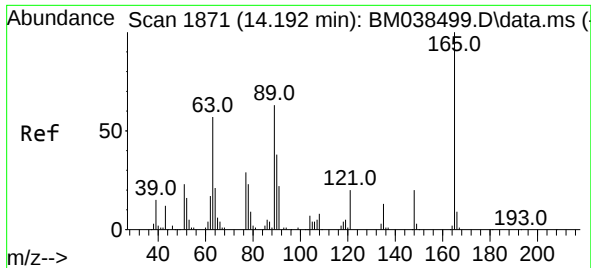
Supervised By :Jagrut
Upadhyay
01/24/2023



#50
Dimethylphthalate
Concen: 5.076 ng
RT: 14.057 min Scan# 1848
Delta R.T. -0.012 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

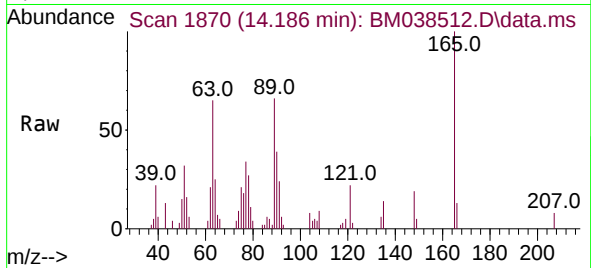
Tgt Ion:163 Resp: 57187
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.8 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 4.756 ng
RT: 14.186 min Scan# 1871
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

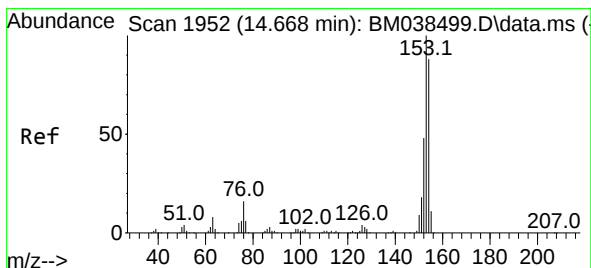
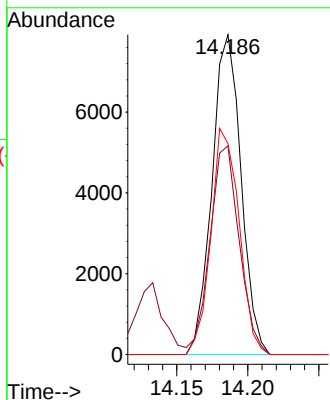
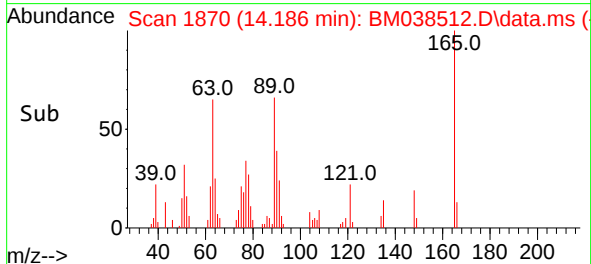


Tgt Ion:165 Resp: 11276
Ion Ratio Lower Upper
165 100
63 65.2 51.0 76.4
89 65.9 50.2 75.4

Manual Integrations
APPROVED

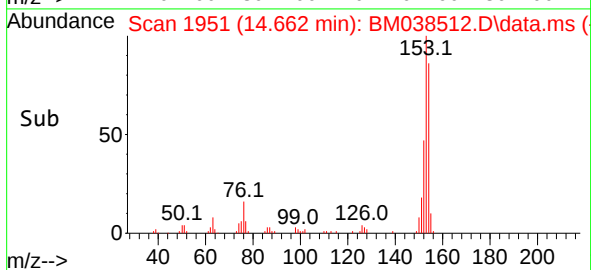
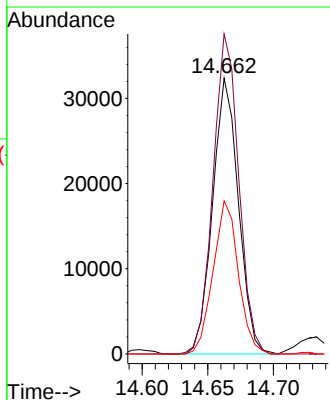
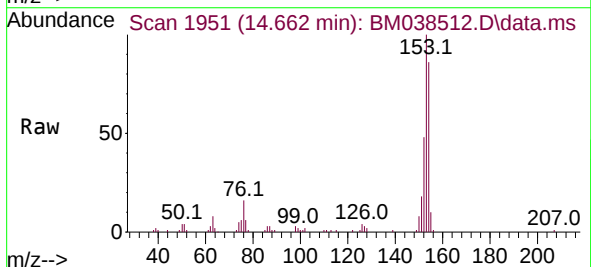
Reviewed By :Christian
Giraldo
01/24/2023

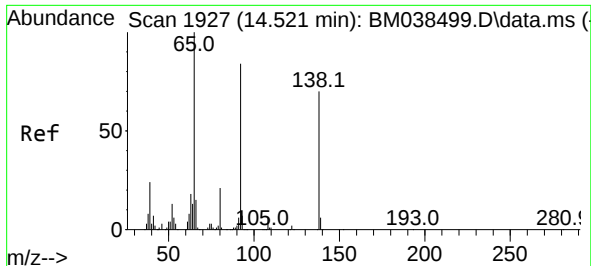
Supervised By :Jagrut
Upadhyay
01/24/2023



#52
Acenaphthene
Concen: 5.083 ng
RT: 14.662 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

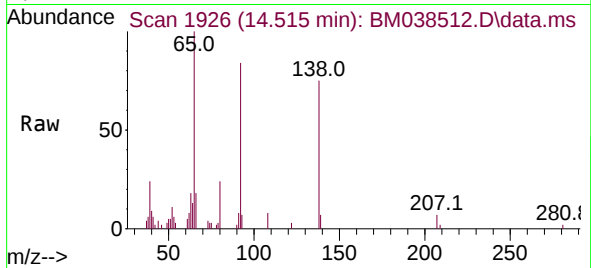
Tgt Ion:154 Resp: 44378
Ion Ratio Lower Upper
154 100
153 116.1 90.7 136.1
152 55.5 43.8 65.8





#53
3-Nitroaniline
Concen: 4.195 ng
RT: 14.515 min Scan# 1926
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

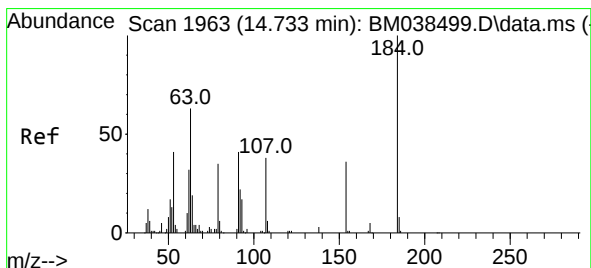
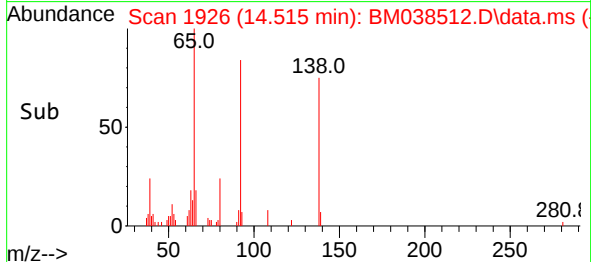
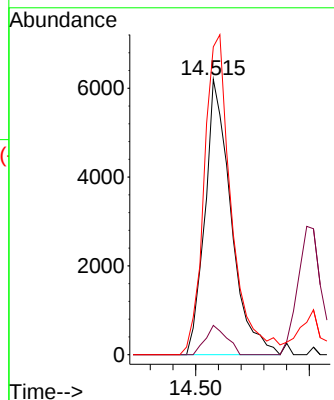
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:138 Resp: 9884
Ion Ratio Lower Upper
138 100
108 10.6 7.0 10.4
92 111.8 95.7 143.5

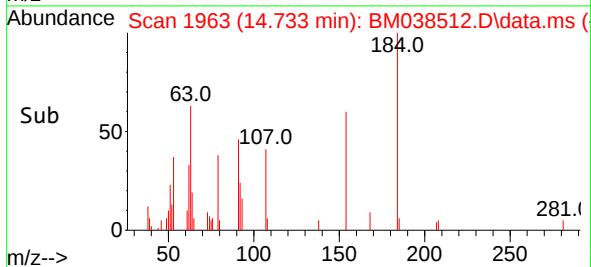
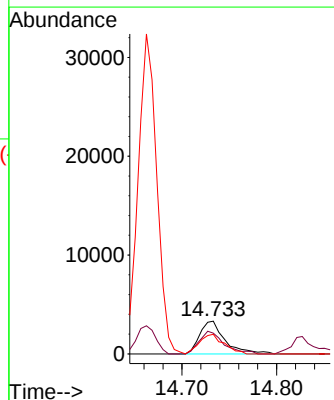
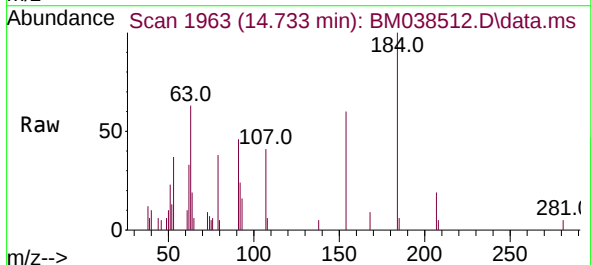
Manual Integrations
APPROVED

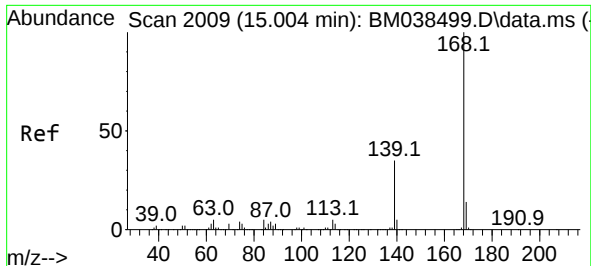
Reviewed By :Christian
Giraldo
01/24/2023
Supervised By :Jagrut
Upadhyay
01/24/2023



#54
2,4-Dinitrophenol
Concen: 7.965 ng
RT: 14.733 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:184 Resp: 6120
Ion Ratio Lower Upper
184 100
63 63.5 52.2 78.4
154 59.9 48.9 73.3





#55
Dibenzenofuran
Concen: 5.124 ng
RT: 14.998 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

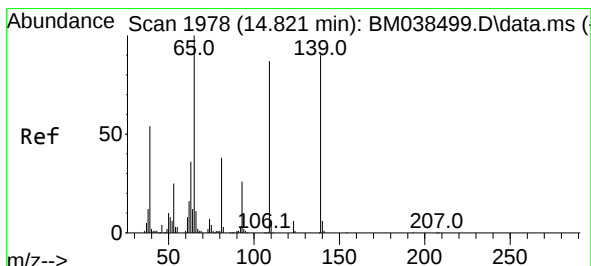
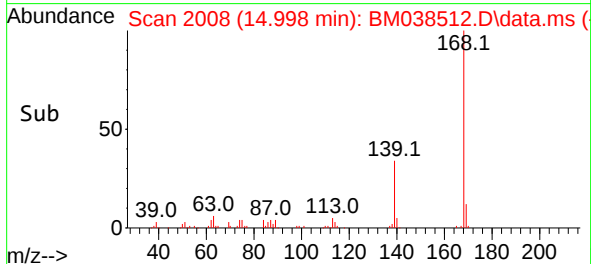
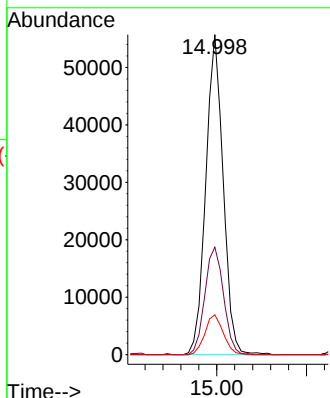
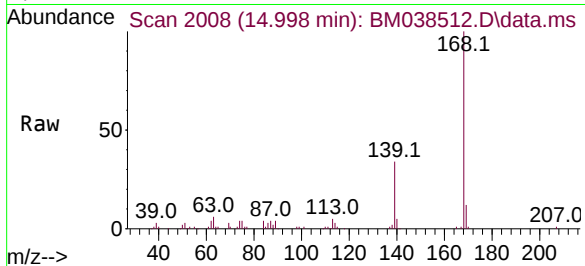
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:168 Resp: 74783
Ion Ratio Lower Upper
168 100
139 33.6 27.9 41.9
169 12.4 11.0 16.6

Manual Integrations
APPROVED

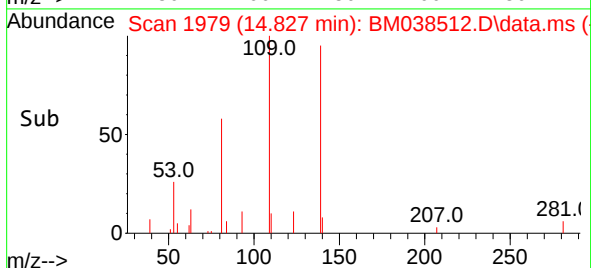
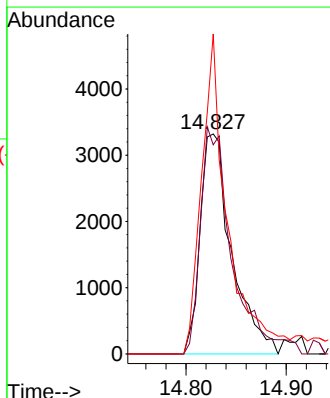
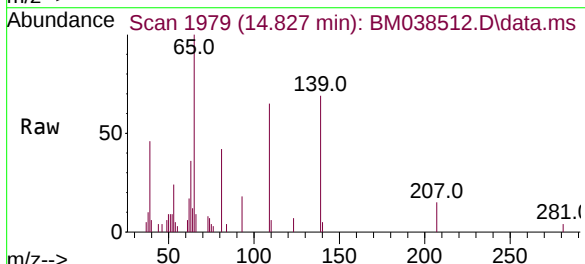
Reviewed By :Christian
Giraldo
01/24/2023

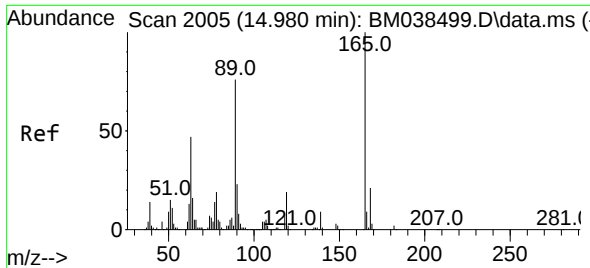
Supervised By :Jagrut
Upadhyay
01/24/2023



#56
4-Nitrophenol
Concen: 3.733 ng
RT: 14.827 min Scan# 1979
Delta R.T. 0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

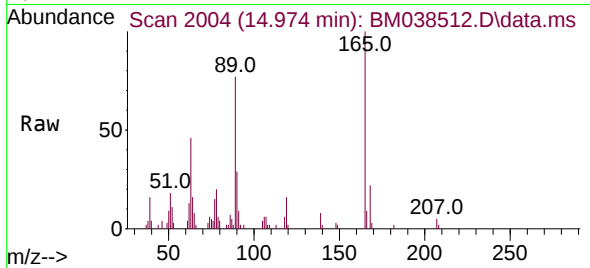
Tgt Ion:139 Resp: 7242
Ion Ratio Lower Upper
139 100
109 95.0 76.8 116.8
65 145.5 91.7 131.7#





#57
2,4-Dinitrotoluene
Concen: 4.407 ng
RT: 14.974 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

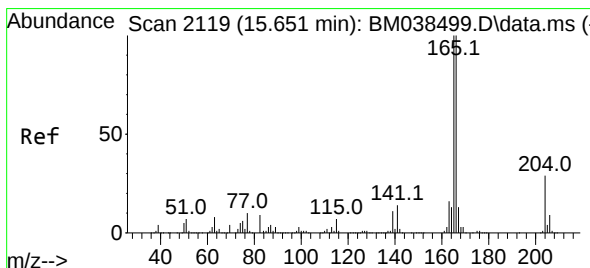
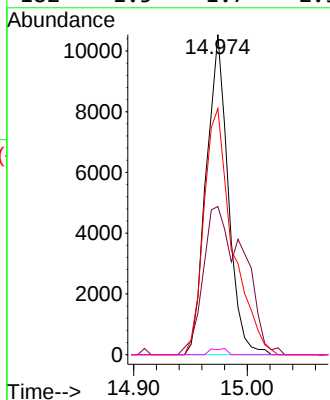
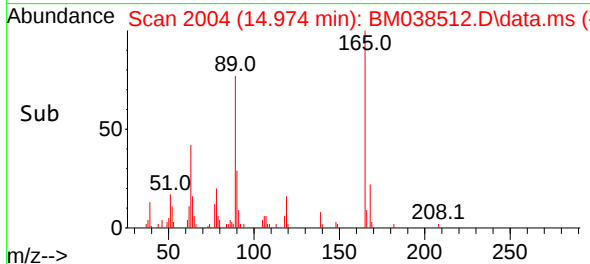
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:165 Resp: 14163
Ion Ratio Lower Upper
165 100
63 46.3 37.8 56.8
89 76.9 60.9 91.3
182 1.5 1.7 2.5#

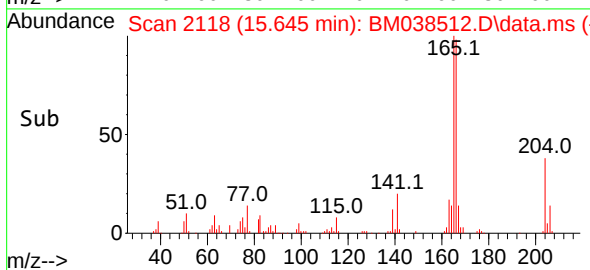
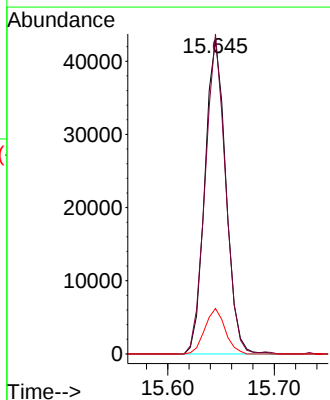
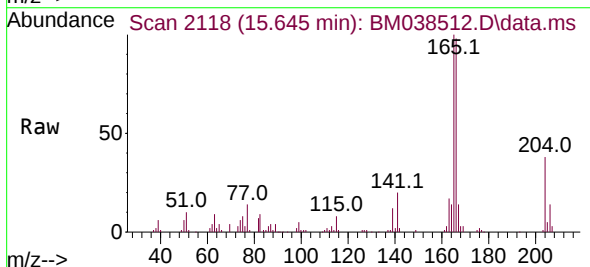
Manual Integrations
APPROVED

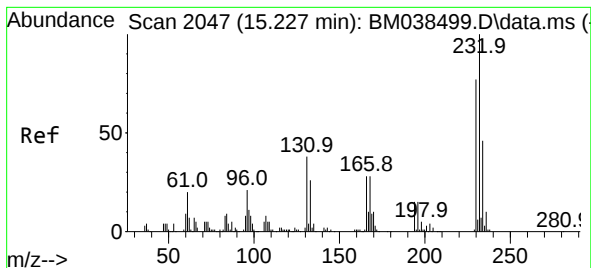
Reviewed By :Christian
Giraldo
01/24/2023
Supervised By :Jagrut
Upadhyay
01/24/2023



#58
Fluorene
Concen: 4.952 ng
RT: 15.645 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

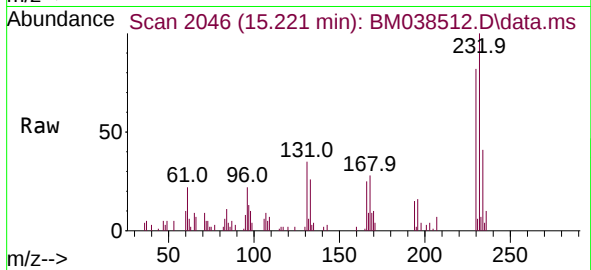
Tgt Ion:166 Resp: 58612
Ion Ratio Lower Upper
166 100
165 101.9 79.6 119.4
167 14.4 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 5.133 ng
RT: 15.221 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

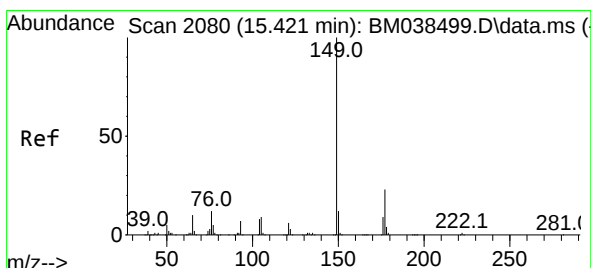
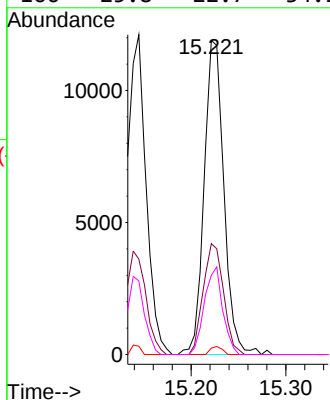
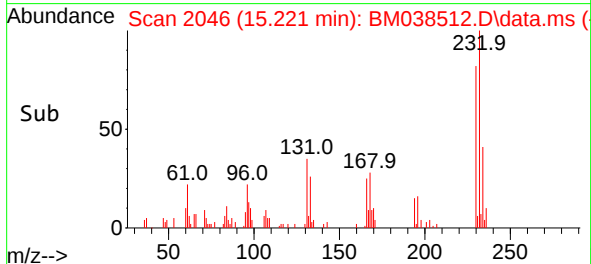
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022



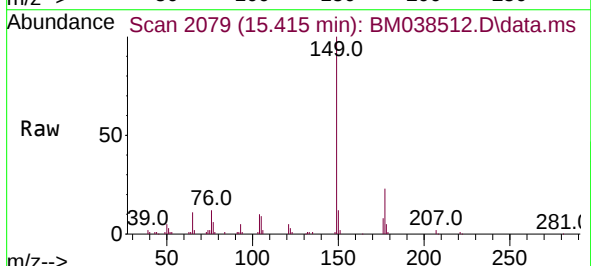
Tgt Ion:232 Resp: 1731
Ion Ratio Lower Upper
232 100
131 36.2 31.0 46.4
130 1.5 1.8 2.6
166 25.8 22.7 34.1

Manual Integrations
APPROVED

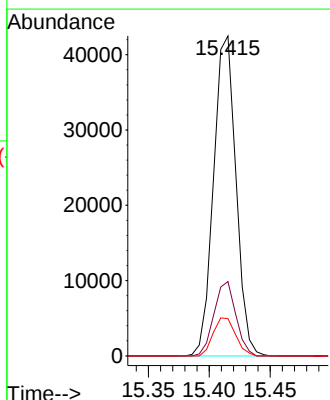
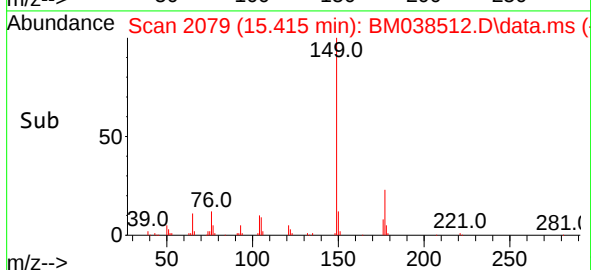
Reviewed By :Christian
Giraldo
01/24/2023
Supervised By :Jagrut
Upadhyay
01/24/2023

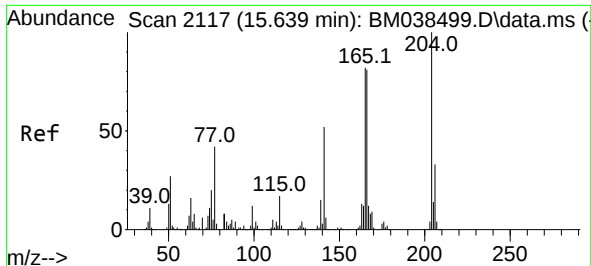


#60
Diethylphthalate
Concen: 4.931 ng
RT: 15.415 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56



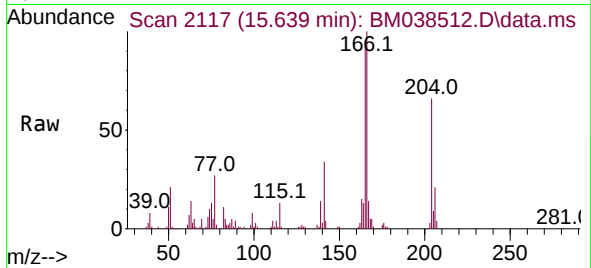
Tgt Ion:149 Resp: 54398
Ion Ratio Lower Upper
149 100
177 23.2 18.6 27.8
150 11.6 9.5 14.3





#61
4-Chlorophenyl-phenylether
Concen: 5.167 ng
RT: 15.639 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

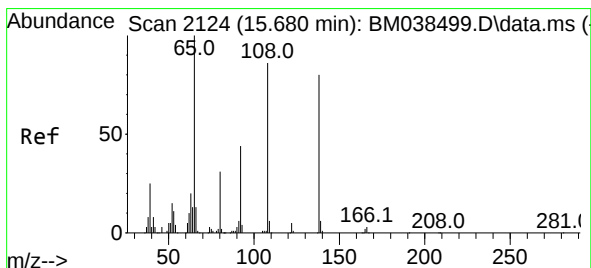
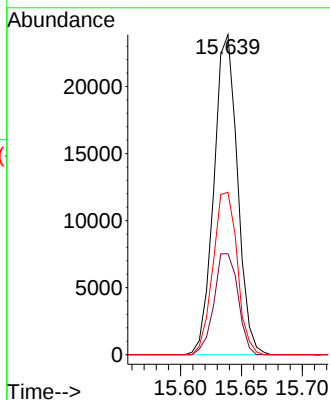
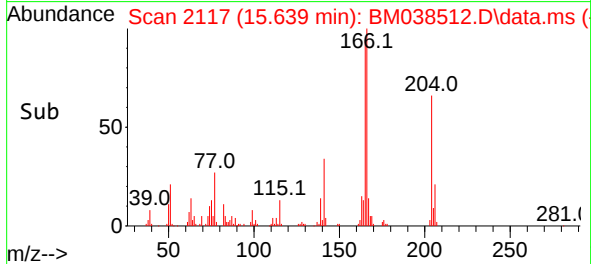
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022



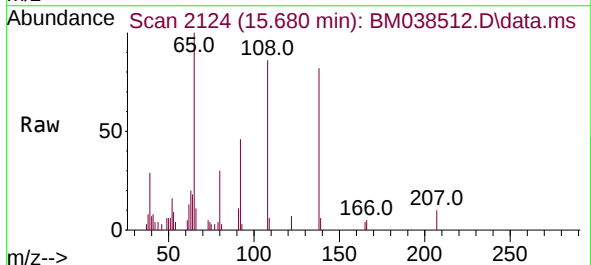
Tgt Ion:204 Resp: 32105
Ion Ratio Lower Upper
204 100
206 31.5 26.2 39.4
141 50.7 41.5 62.3

Manual Integrations
APPROVED

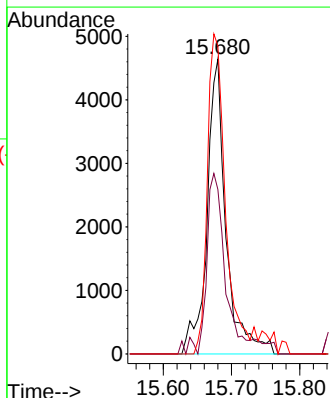
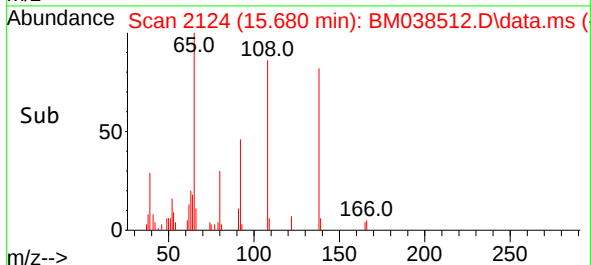
Reviewed By :Christian
Giraldo
01/24/2023
Supervised By :Jagrut
Upadhyay
01/24/2023

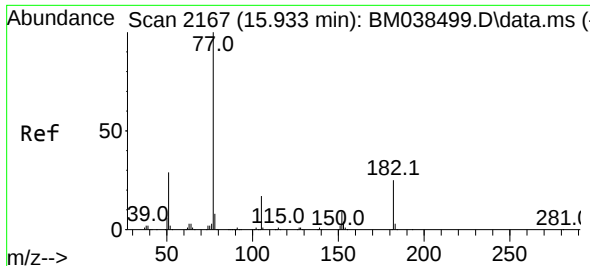


#62
4-Nitroaniline
Concen: 6.481 ng
RT: 15.680 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56



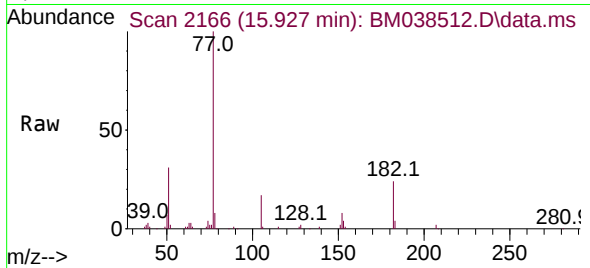
Tgt Ion:138 Resp: 8992
Ion Ratio Lower Upper
138 100
92 55.8 35.2 75.2
108 104.4 87.3 127.3





#63
Azobenzene
Concen: 4.593 ng
RT: 15.927 min Scan# 2166
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

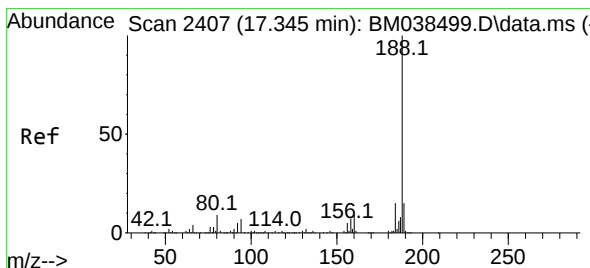
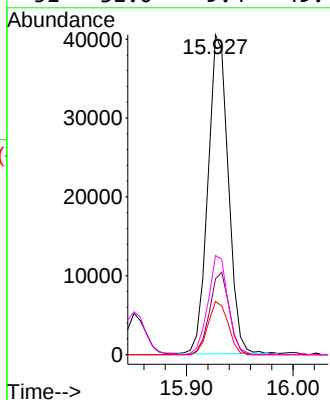
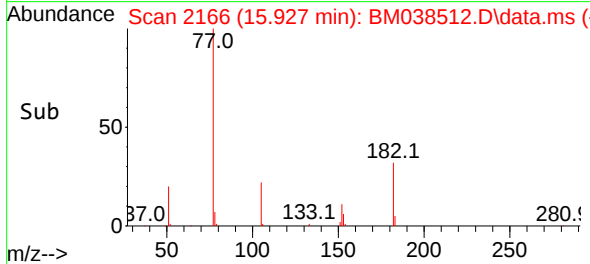
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 77 Resp: 53685
Ion Ratio Lower Upper
77 100
182 23.7 4.7 44.7
105 16.6 0.0 36.7
51 31.0 9.4 49.4

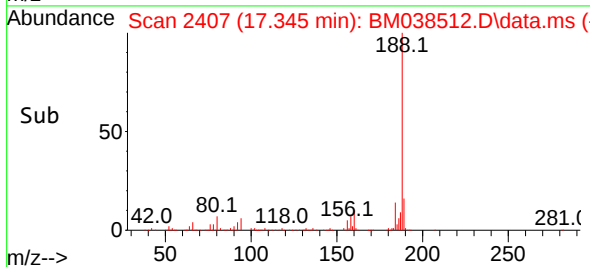
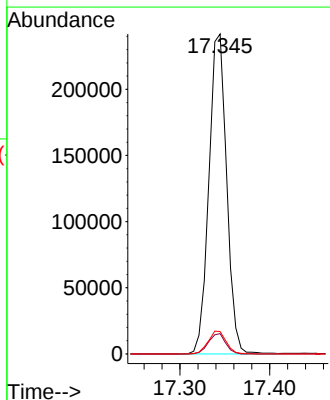
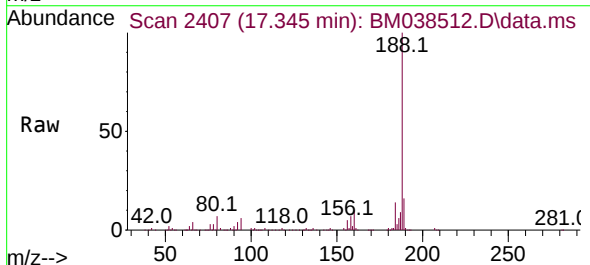
Manual Integrations
APPROVED

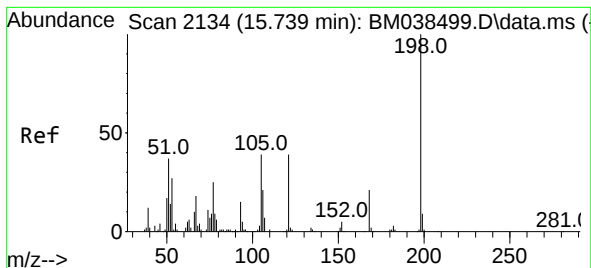
Reviewed By :Christian
Giraldo
01/24/2023
Supervised By :Jagrut
Upadhyay
01/24/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2407
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:188 Resp: 334618
Ion Ratio Lower Upper
188 100
94 6.3 6.0 9.0
80 7.0 6.9 10.3





#65
4,6-Dinitro-2-methylphenol
Concen: 4.018 ng
RT: 15.733 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

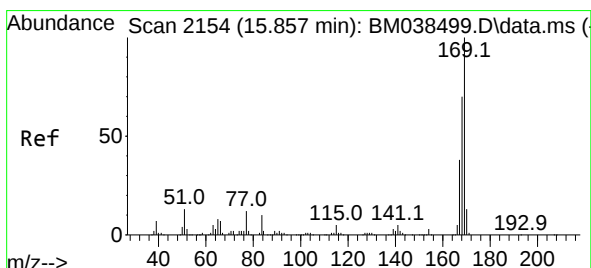
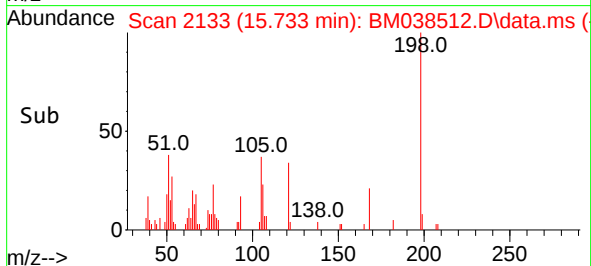
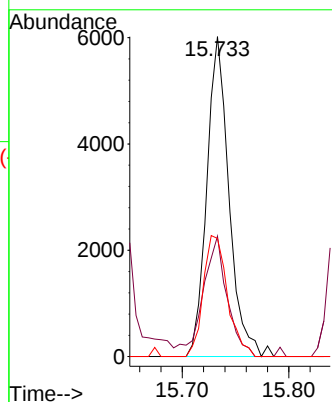
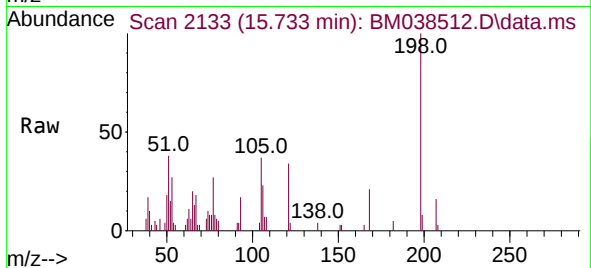
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:198 Resp: 8721
Ion Ratio Lower Upper
198 100
51 37.6 18.8 58.8
105 36.9 19.7 59.7

Manual Integrations
APPROVED

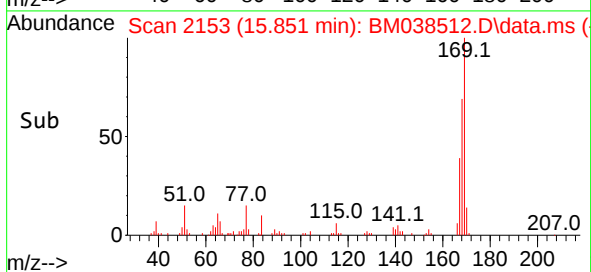
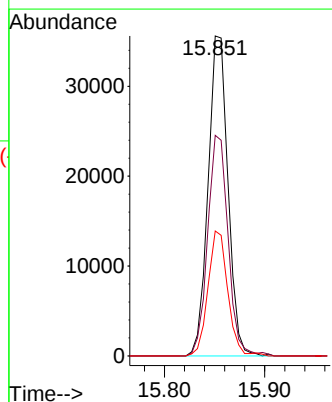
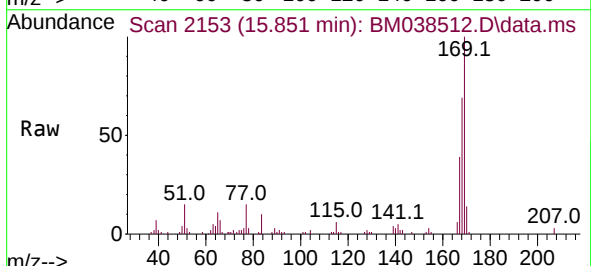
Reviewed By :Christian
Giraldo
01/24/2023

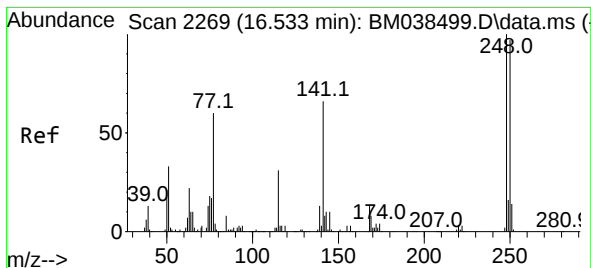
Supervised By :Jagrut
Upadhyay
01/24/2023



#66
n-Nitrosodiphenylamine
Concen: 4.874 ng
RT: 15.851 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

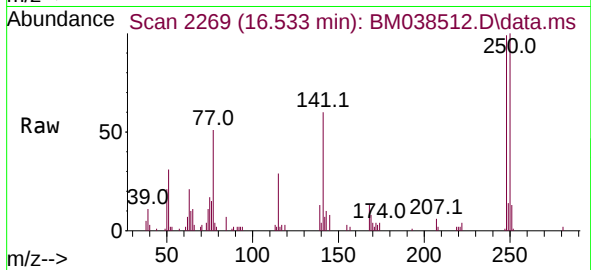
Tgt Ion:169 Resp: 48961
Ion Ratio Lower Upper
169 100
168 68.9 55.8 83.8
167 39.0 30.3 45.5





#67
4-Bromophenyl-phenylether
Concen: 5.013 ng
RT: 16.533 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

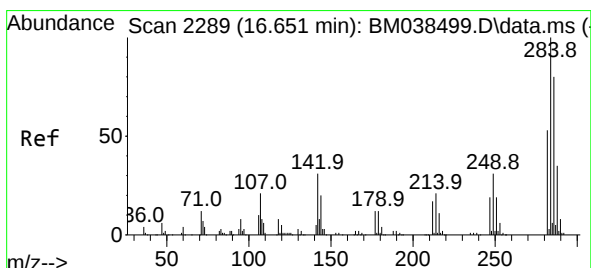
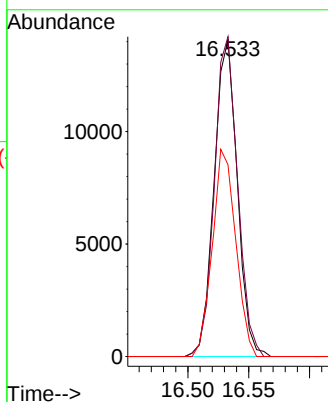
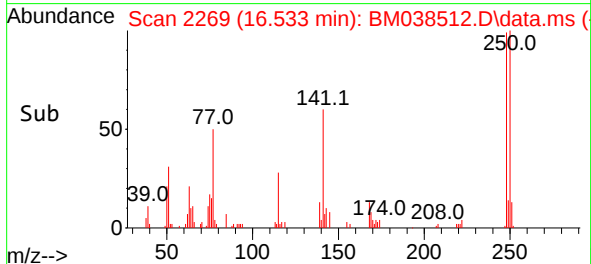
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022



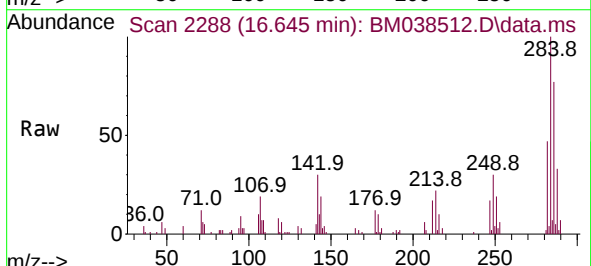
Tgt Ion:248 Resp: 1860
Ion Ratio Lower Upper
248 100
250 100.9 77.6 116.4
141 60.5 52.5 78.7

Manual Integrations
APPROVED

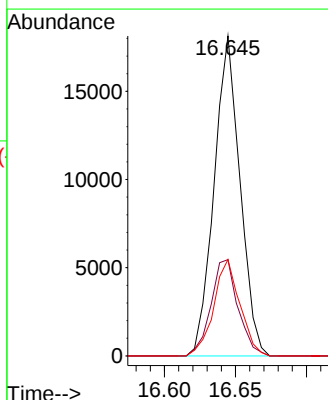
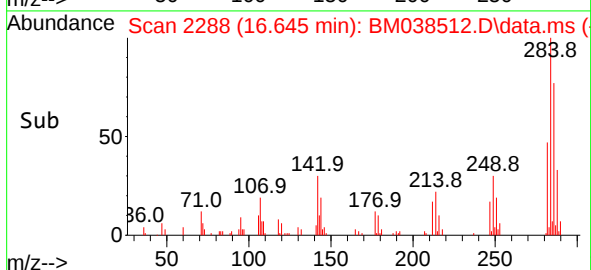
Reviewed By :Christian
Giraldo
01/24/2023
Supervised By :Jagrut
Upadhyay
01/24/2023

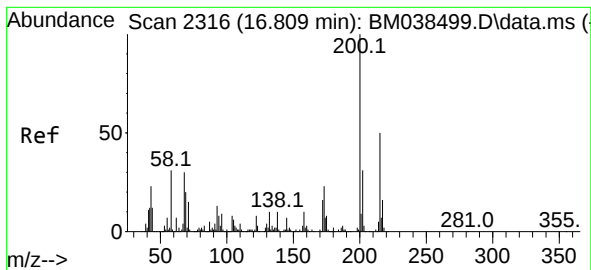


#68
Hexachlorobenzene
Concen: 5.747 ng
RT: 16.645 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56



Tgt Ion:284 Resp: 23017
Ion Ratio Lower Upper
284 100
142 30.1 25.2 37.8
249 30.1 24.4 36.6





#69

Atrazine

Concen: 4.443 ng

RT: 16.803 min Scan# 2316

Delta R.T. -0.006 min

Lab File: BM038512.D

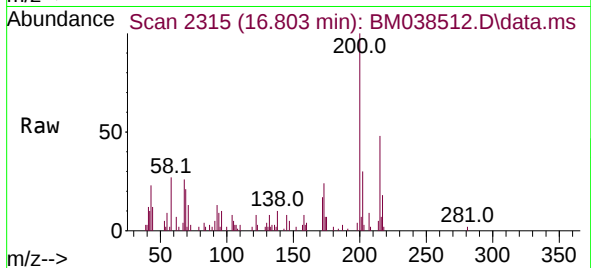
Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:	200	Resp:	14890
Ion Ratio	Lower	Upper	
200	100		
173	24.0	3.5	43.5
215	48.0	30.0	70.0

Manual Integrations
APPROVED

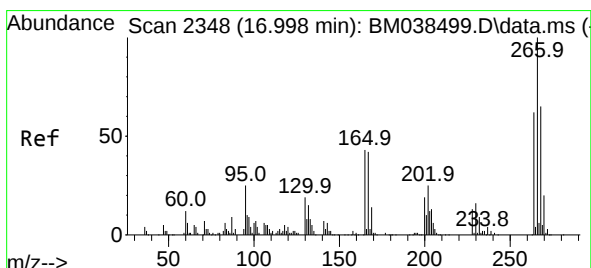
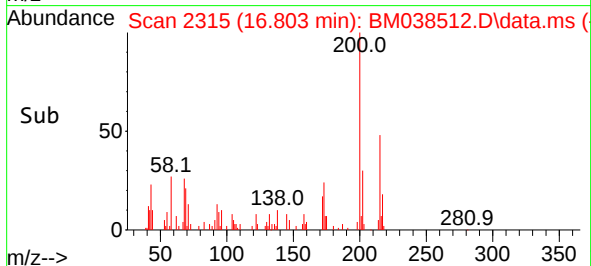
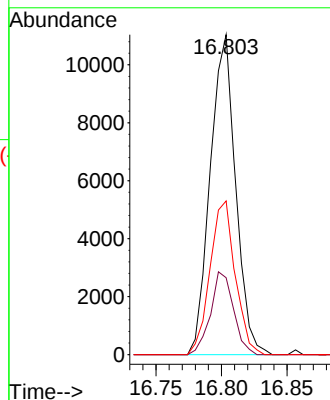
Reviewed By :Christian
Giraldo

01/24/2023

Supervised By :Jagrut

Upadhyay

01/24/2023



#70

Pentachlorophenol

Concen: 4.289 ng

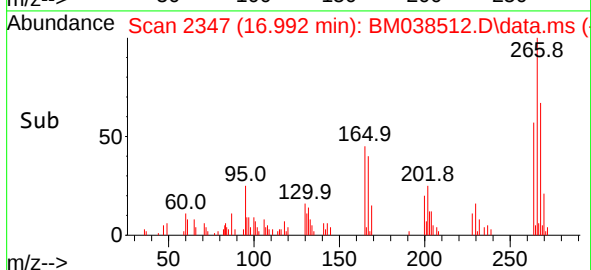
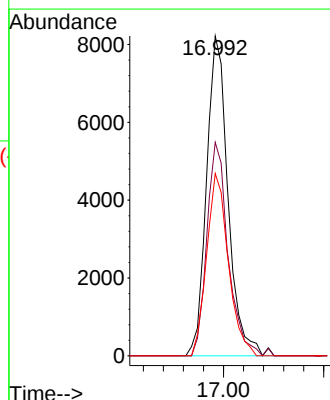
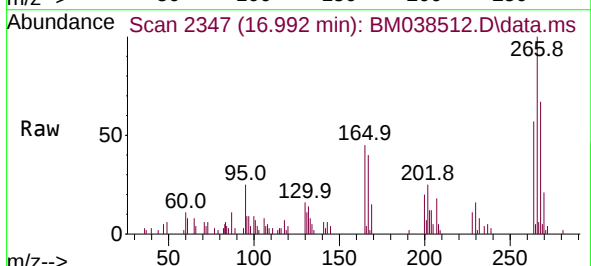
RT: 16.992 min Scan# 2347

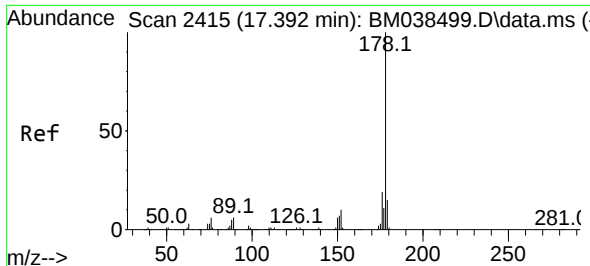
Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

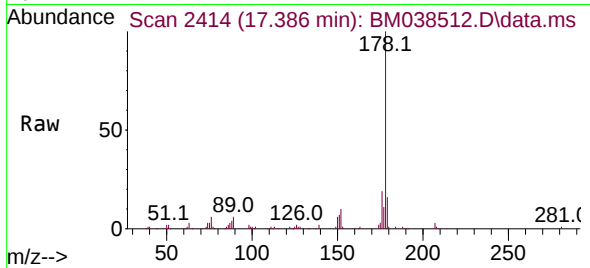
Tgt Ion:	266	Resp:	12230
Ion Ratio	Lower	Upper	
266	100		
268	66.7	51.7	77.5
264	57.0	49.4	74.0





#71
Phenanthrene
Concen: 5.065 ng
RT: 17.386 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

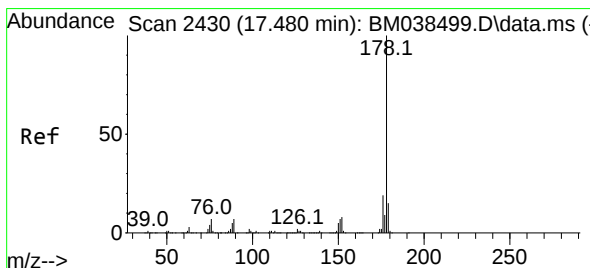
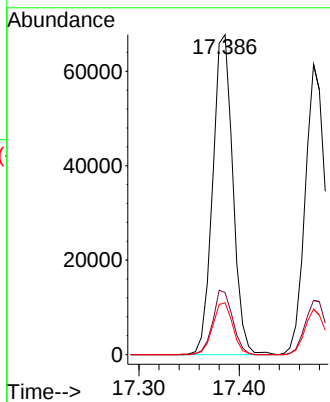
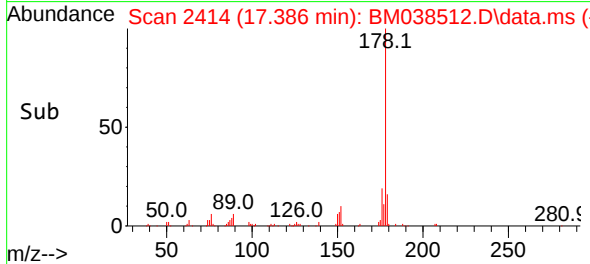
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022



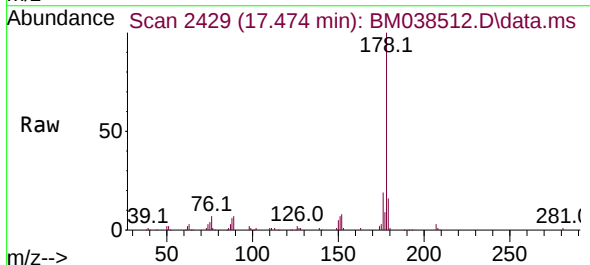
Tgt Ion:178 Resp: 94656
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 16.2 12.2 18.4

Manual Integrations
APPROVED

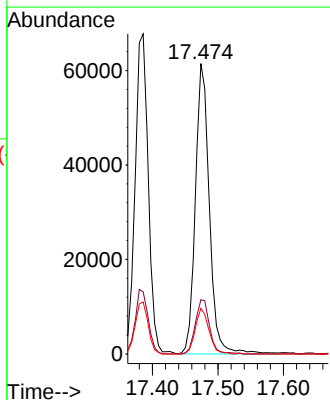
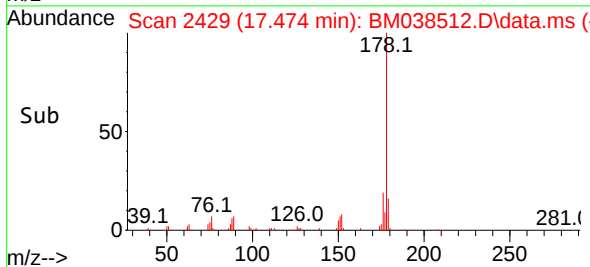
Reviewed By :Christian
Giraldo
01/24/2023
Supervised By :Jagrut
Upadhyay
01/24/2023

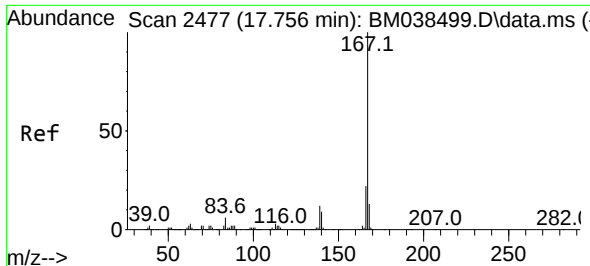


#72
Anthracene
Concen: 4.772 ng
RT: 17.474 min Scan# 2429
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56



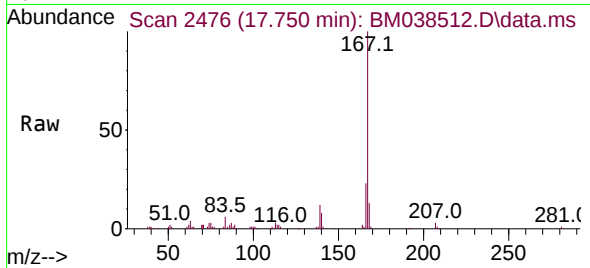
Tgt Ion:178 Resp: 90732
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.7 12.2 18.4





#73
 Carbazole
 Concen: 4.867 ng
 RT: 17.750 min Scan# 2477
 Delta R.T. -0.006 min
 Lab File: BM038512.D
 Acq: 23 Jan 2023 16:56

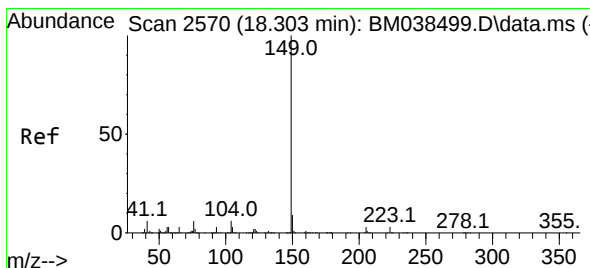
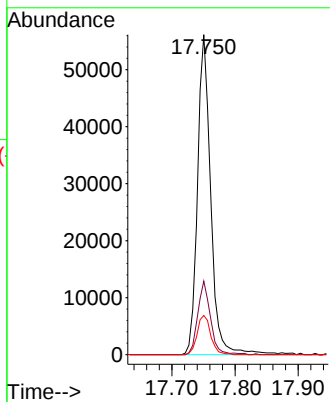
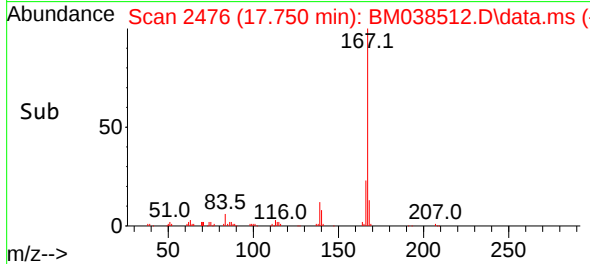
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



Tgt Ion:167 Resp: 81506
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.7 26.5
 139 12.2 9.4 14.0

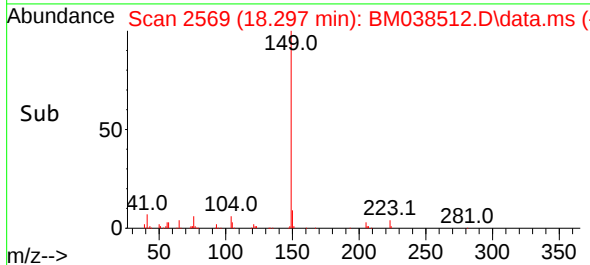
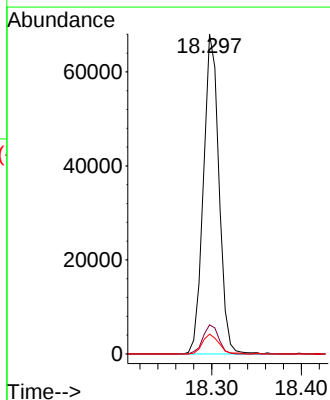
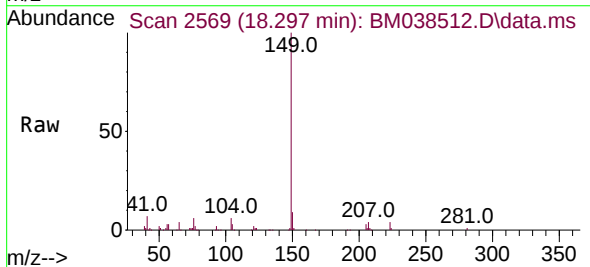
Manual Integrations
 APPROVED

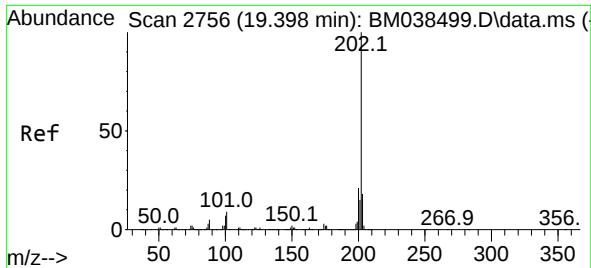
Reviewed By :Christian
 Giraldo
 01/24/2023
 Supervised By :Jagrut
 Upadhyay
 01/24/2023



#74
 Di-n-butylphthalate
 Concen: 4.459 ng
 RT: 18.297 min Scan# 2569
 Delta R.T. -0.006 min
 Lab File: BM038512.D
 Acq: 23 Jan 2023 16:56

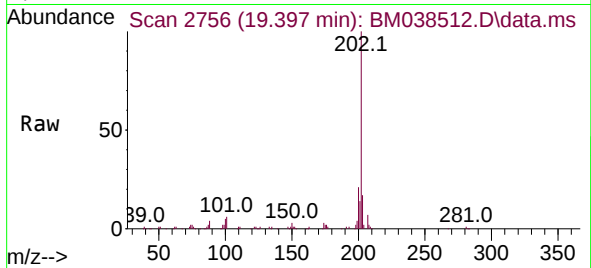
Tgt Ion:149 Resp: 82028
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 6.2 4.6 6.8





#75
Fluoranthene
Concen: 4.990 ng
RT: 19.397 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

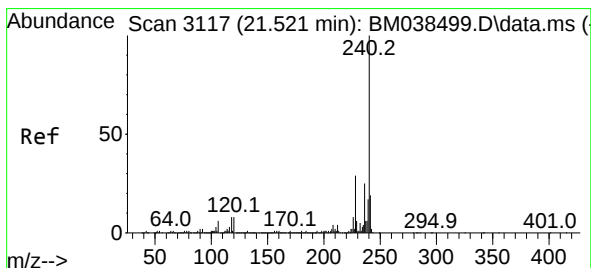
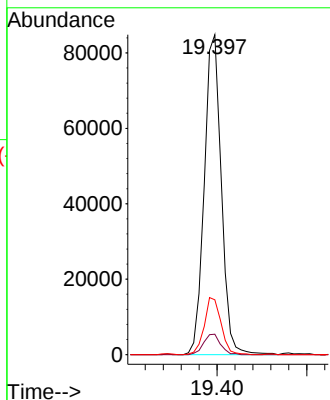
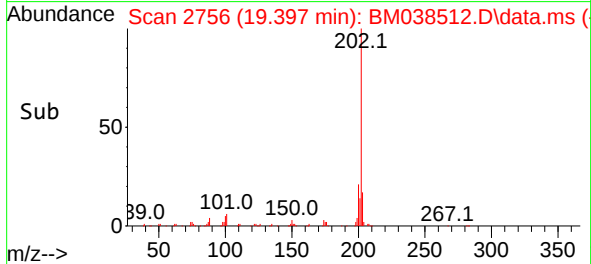


Tgt Ion:202 Resp: 112059
Ion Ratio Lower Upper
202 100
101 6.4 0.0 28.7
203 17.1 0.0 37.6

Manual Integrations
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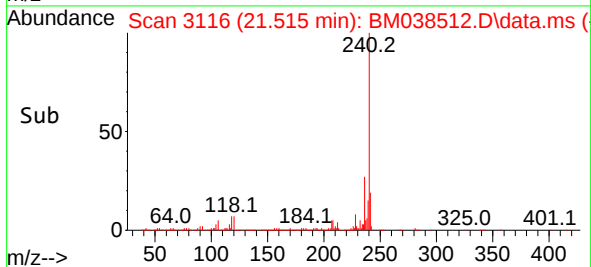
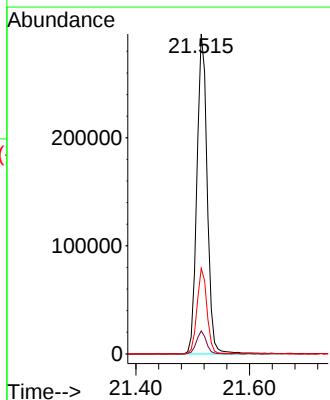
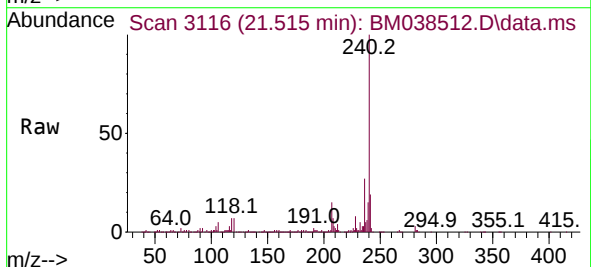
Reviewed By :Christian
Giraldo
01/24/2023

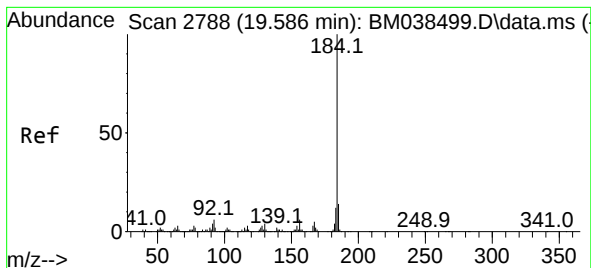
Supervised By :Jagrut
Upadhyay
01/24/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:240 Resp: 371309
Ion Ratio Lower Upper
240 100
120 7.2 6.2 9.2
236 26.7 20.2 30.2





#77

Benzidine

Concen: 3.693 ng

RT: 19.586 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

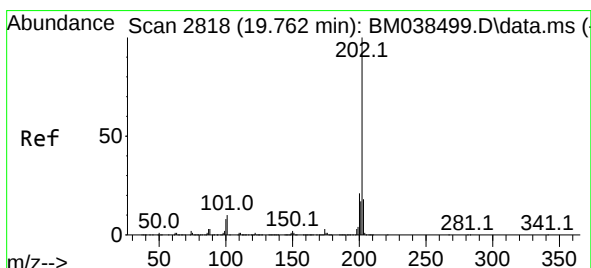
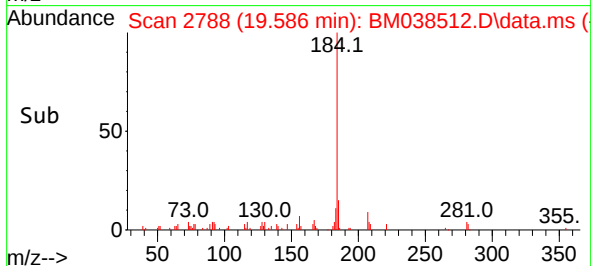
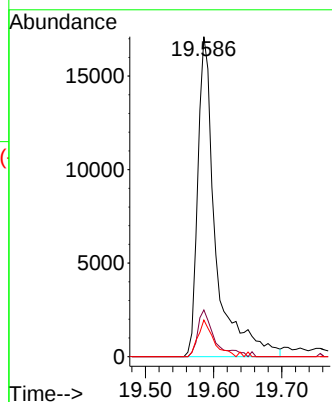
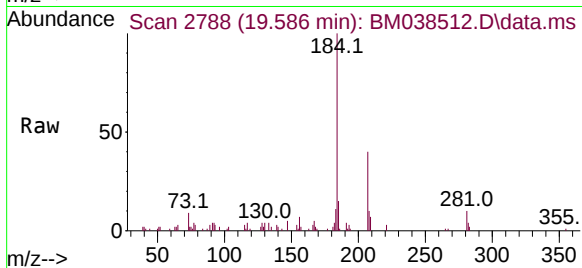
Tgt Ion:184 Resp: 31246

Ion	Ratio	Lower	Upper
184	100		
185	14.6	10.9	16.3
183	11.4	9.3	13.9

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
01/24/2023

Supervised By :Jagrut
Upadhyay
01/24/2023



#78

Pyrene

Concen: 4.684 ng

RT: 19.756 min Scan# 2817

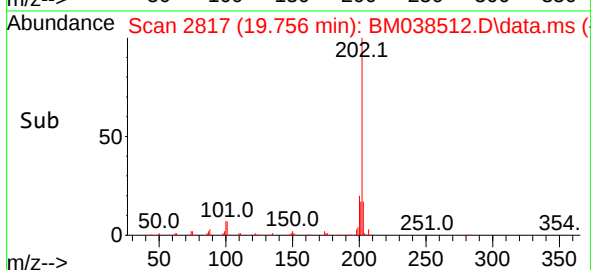
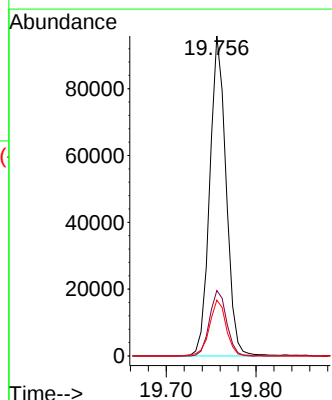
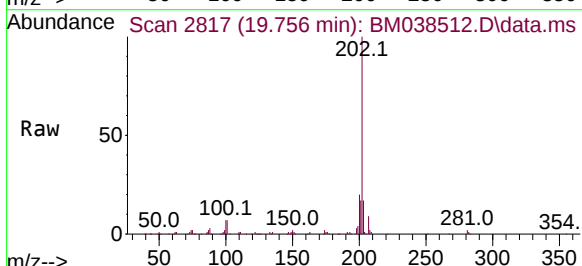
Delta R.T. -0.006 min

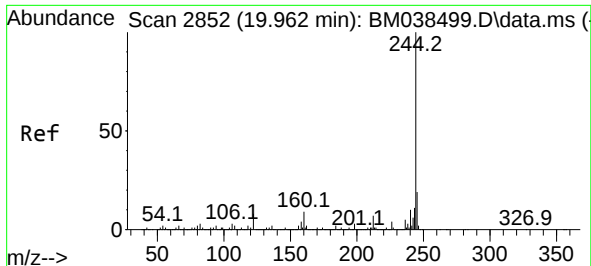
Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Tgt Ion:202 Resp: 121108

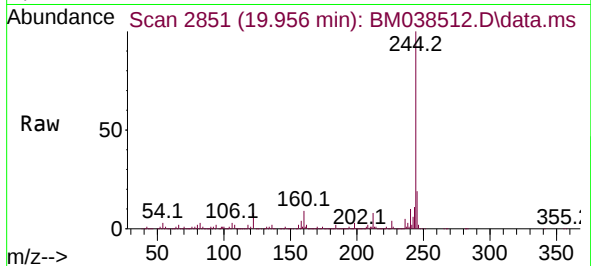
Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.4
203	17.4	14.2	21.2





#79
 Terphenyl-d14
 Concen: 70.783 ng
 RT: 19.956 min Scan# 2851
 Delta R.T. -0.006 min
 Lab File: BM038512.D
 Acq: 23 Jan 2023 16:56

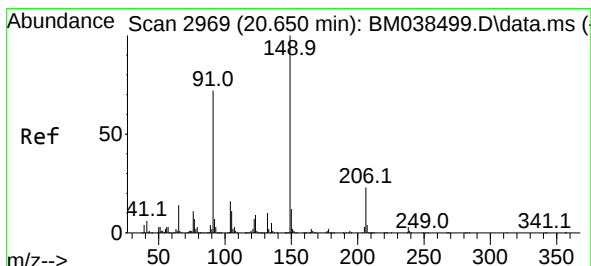
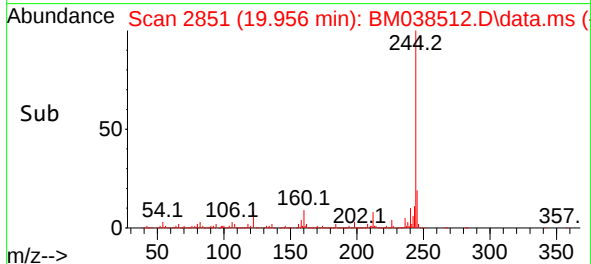
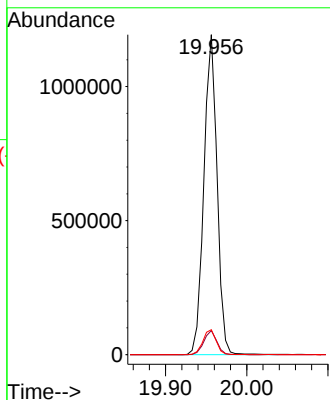
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



Tgt Ion:244 Resp: 1348150
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 7.8 6.7 10.1

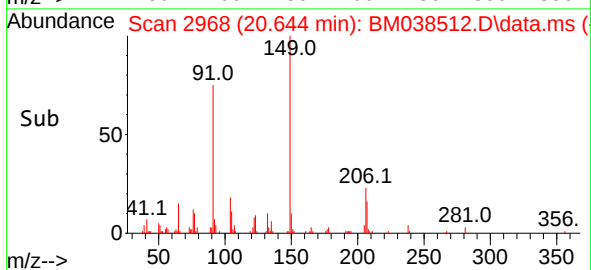
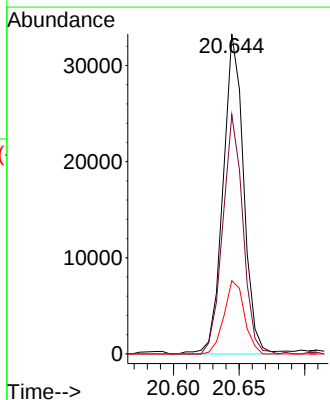
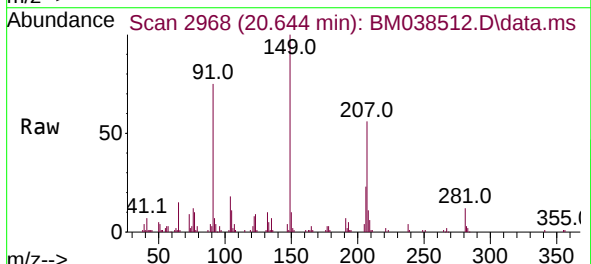
Manual Integrations
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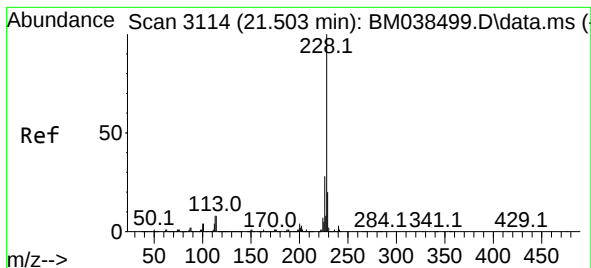
Reviewed By :Christian
 Giraldo
 01/24/2023
 Supervised By :Jagrit
 Upadhyay
 01/24/2023



#80
 Butylbenzylphthalate
 Concen: 4.062 ng
 RT: 20.644 min Scan# 2968
 Delta R.T. -0.006 min
 Lab File: BM038512.D
 Acq: 23 Jan 2023 16:56

Tgt Ion:149 Resp: 36320
 Ion Ratio Lower Upper
 149 100
 91 74.8 57.5 86.3
 206 22.9 18.2 27.2





#81

Benzo(a)anthracene

Concen: 5.115 ng

RT: 21.503 min Scan# 3114

Delta R.T. -0.000 min

Lab File: BM038512.D

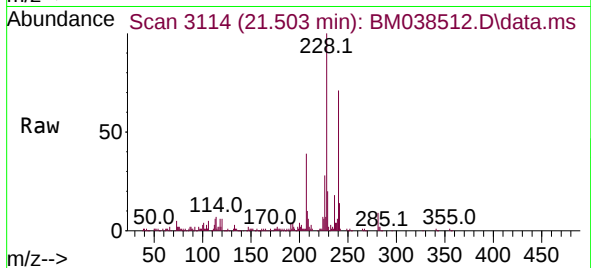
Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:228 Resp: 134578

Ion Ratio Lower Upper

228 100

226 27.9 22.2 33.2

229 19.5 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian

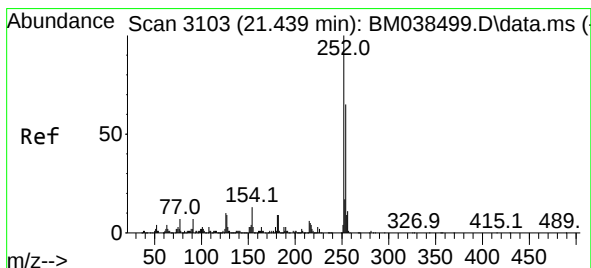
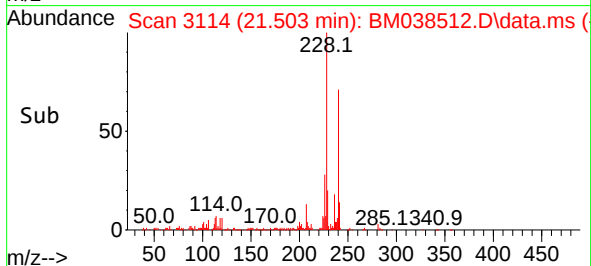
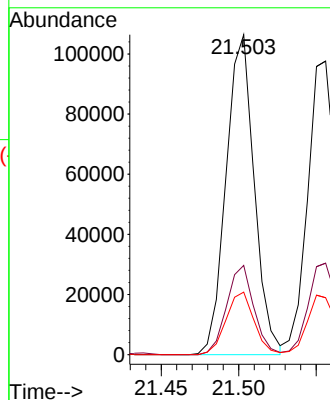
Giraldo

01/24/2023

Supervised By :Jagrut

Upadhyay

01/24/2023



#82

3,3'-Dichlorobenzidine

Concen: 4.640 ng

RT: 21.438 min Scan# 3103

Delta R.T. -0.000 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

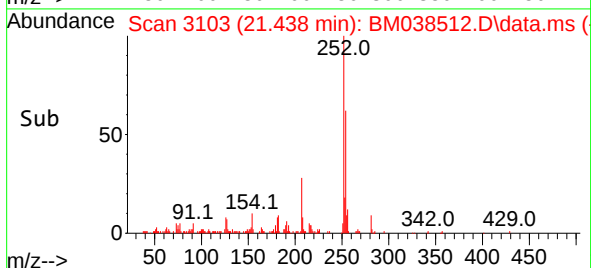
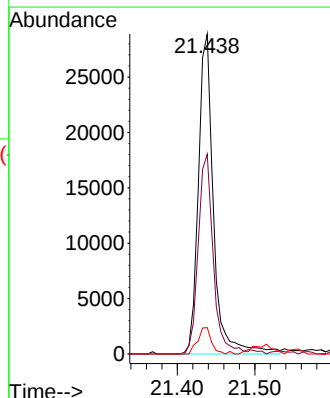
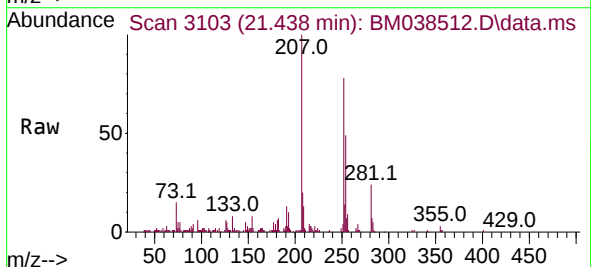
Tgt Ion:252 Resp: 39217

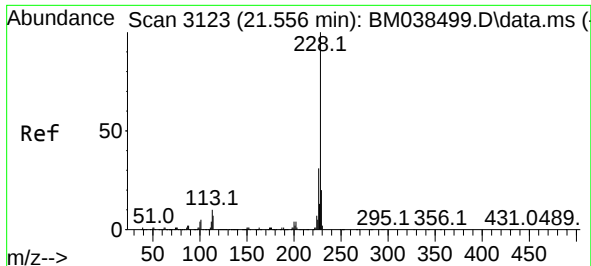
Ion Ratio Lower Upper

252 100

254 62.4 51.9 77.9

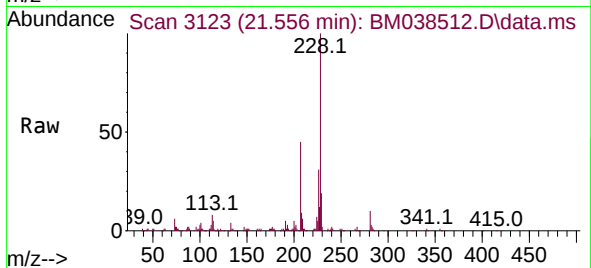
126 8.2 7.7 11.5





#83
Chrysene
Concen: 5.059 ng
RT: 21.556 min Scan# 3123
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022



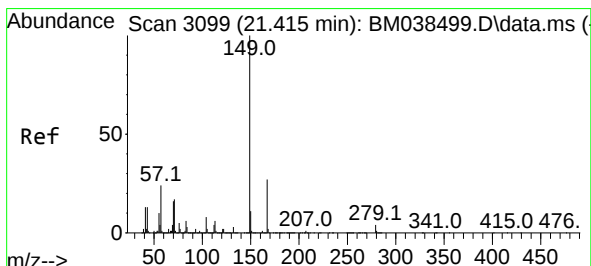
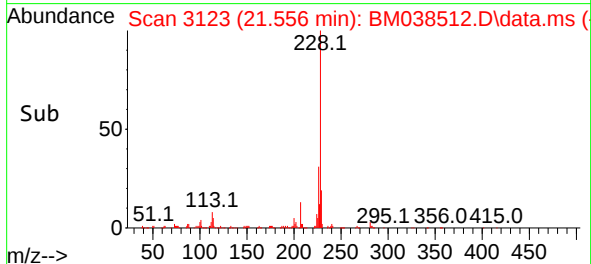
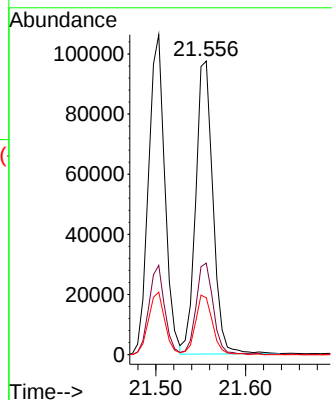
Tgt Ion:228 Resp: 130162
Ion Ratio Lower Upper
228 100
226 31.2 24.4 36.6
229 19.4 15.7 23.5

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Reviewed By :Christian
Giraldo

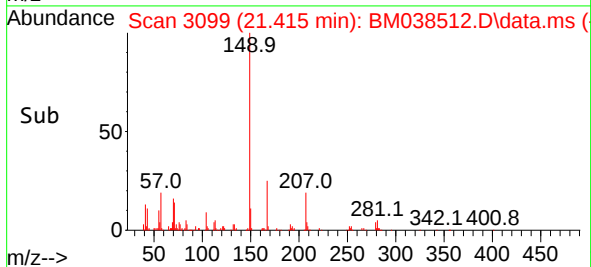
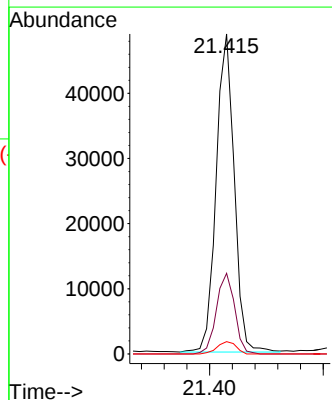
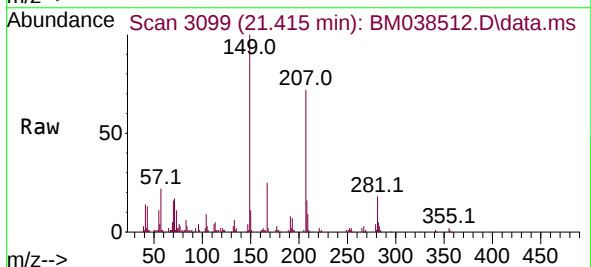
01/24/2023

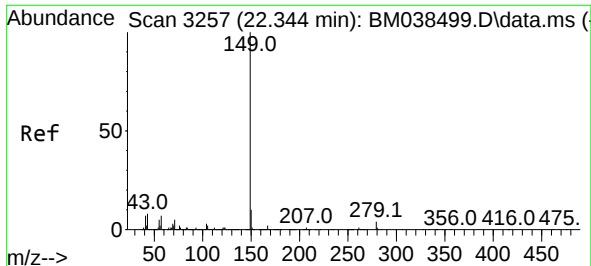
Supervised By :Jagrut
Upadhyay
01/24/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.151 ng
RT: 21.415 min Scan# 3099
Delta R.T. -0.000 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:149 Resp: 53783
Ion Ratio Lower Upper
149 100
167 25.2 21.3 31.9
279 3.8 3.0 4.4





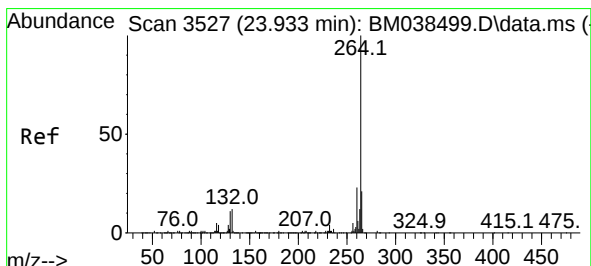
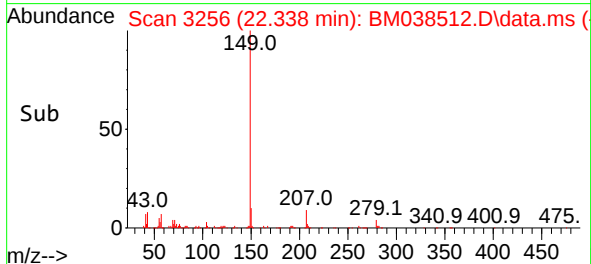
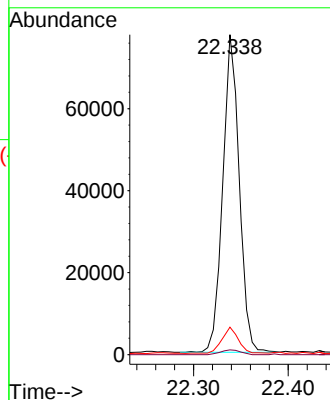
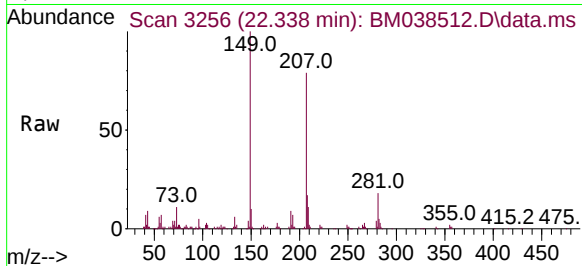
#85
Di-n-octyl phthalate
Concen: 4.049 ng
RT: 22.338 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:149 Resp: 93276
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 8.5 6.7 10.1

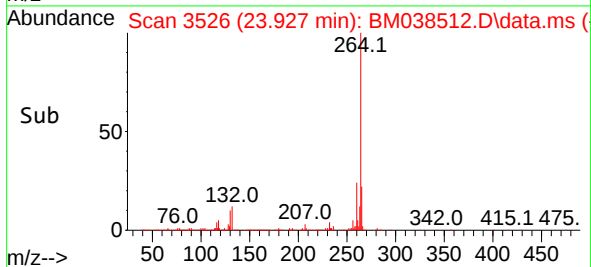
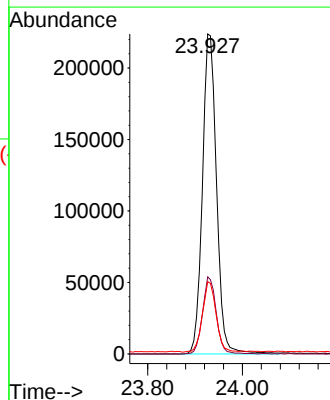
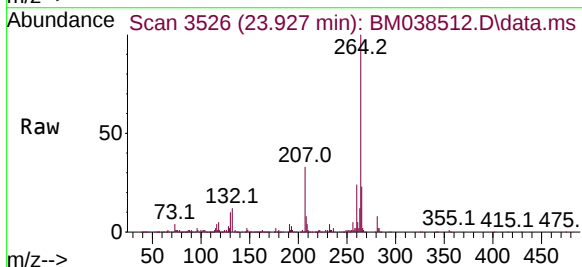
Manual Integrations
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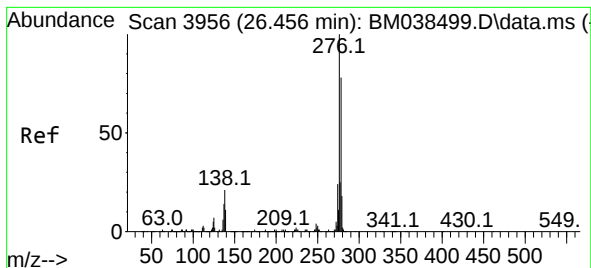
Reviewed By :Christian
Giraldo
01/24/2023
Supervised By :Jagrut
Upadhyay
01/24/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.927 min Scan# 3526
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:264 Resp: 463050
Ion Ratio Lower Upper
264 100
260 24.1 18.5 27.7
265 22.6 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.246 ng

RT: 26.444 min Scan# 3956

Delta R.T. -0.012 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:	276	Resp:	17976
Ion Ratio	Lower	Upper	
276	100		
138	18.3	15.8	23.8
277	24.7	20.1	30.1

Manual Integrations
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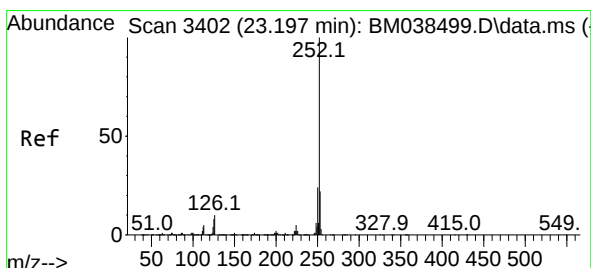
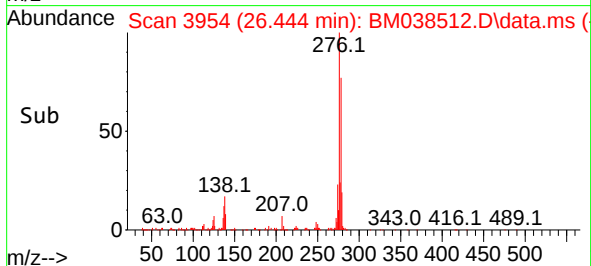
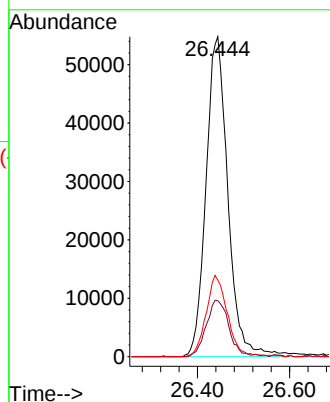
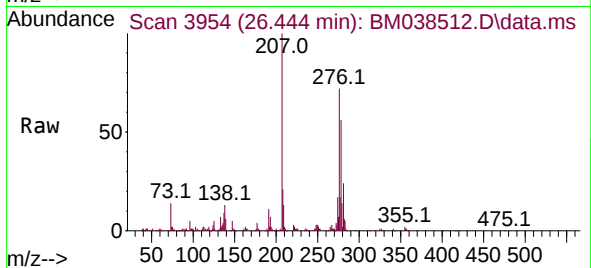
Reviewed By :Christian
Giraldo

01/24/2023

Supervised By :Jagrut

Upadhyay

01/24/2023



#88

Benzo(b)fluoranthene

Concen: 5.271 ng

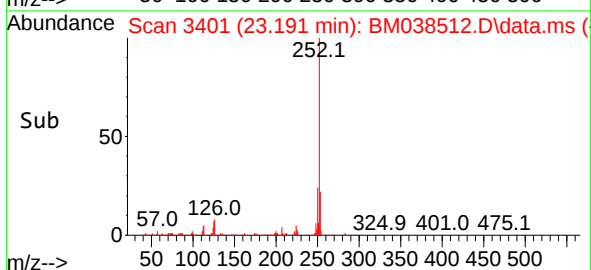
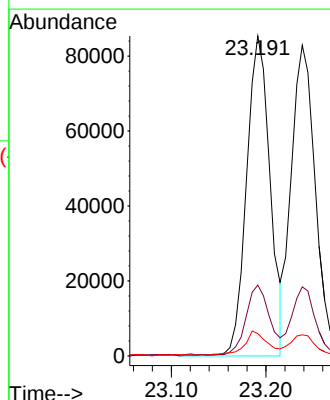
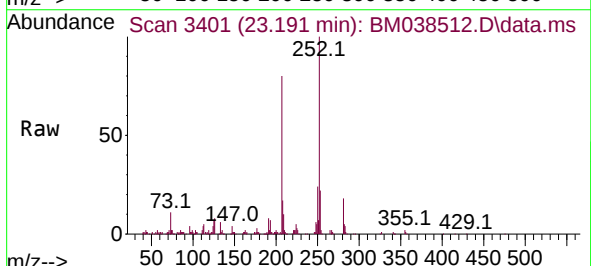
RT: 23.191 min Scan# 3401

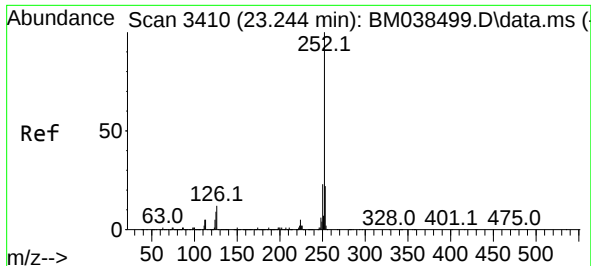
Delta R.T. -0.006 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

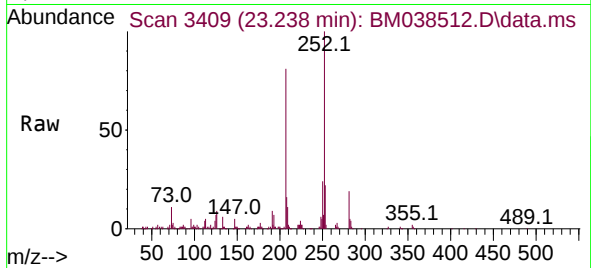
Tgt Ion:	252	Resp:	147235
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.4	26.0
125	7.0	6.4	9.6





#89
Benzo(k)fluoranthene
Concen: 5.202 ng m
RT: 23.238 min Scan# 3410
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

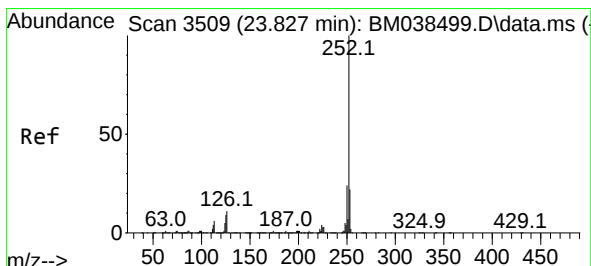
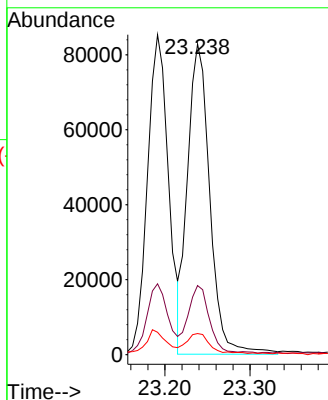
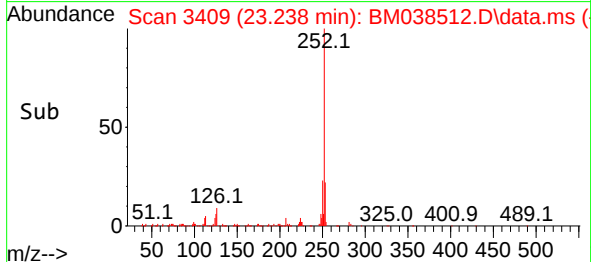
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:252 Resp: 150363
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 6.8 6.8 10.2

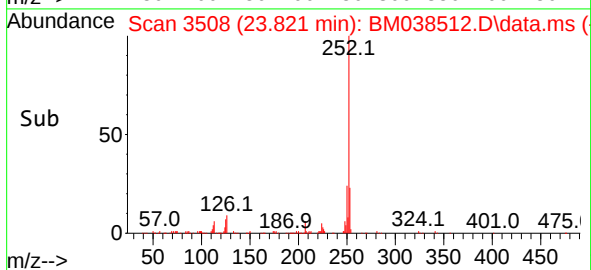
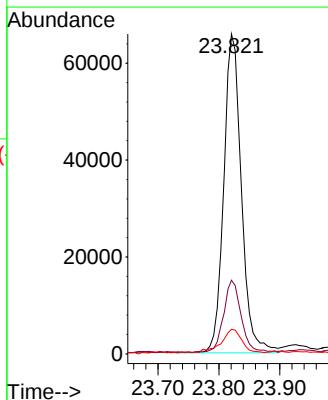
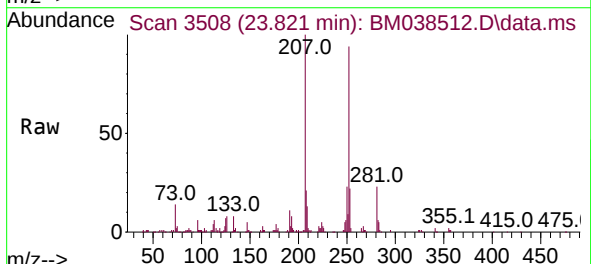
Manual Integrations
APPROVED

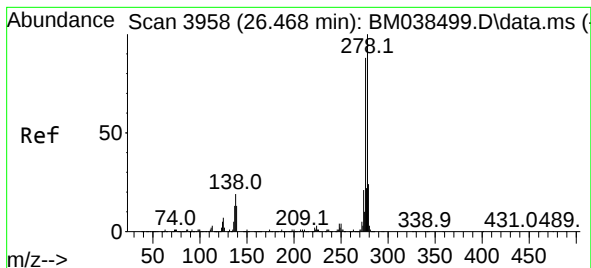
Reviewed By :Christian
Giraldo
01/24/2023
Supervised By :Jagrut
Upadhyay
01/24/2023



#90
Benzo(a)pyrene
Concen: 4.793 ng
RT: 23.821 min Scan# 3508
Delta R.T. -0.006 min
Lab File: BM038512.D
Acq: 23 Jan 2023 16:56

Tgt Ion:252 Resp: 132733
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 7.7 7.3 10.9





#91

Dibenzo(a,h)anthracene

Concen: 5.430 ng

RT: 26.456 min Scan# 3958

Delta R.T. -0.012 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:278 Resp: 154883

Ion Ratio Lower Upper

278 100

139 10.7 10.3 15.5

279 23.1 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Christian

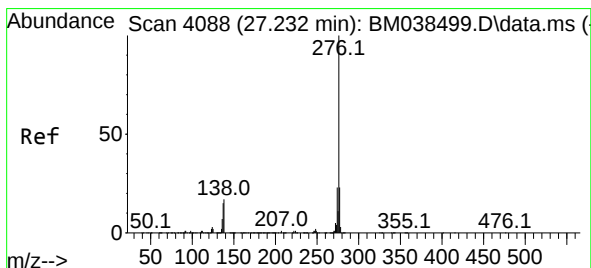
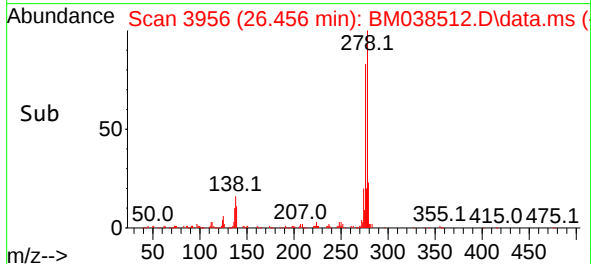
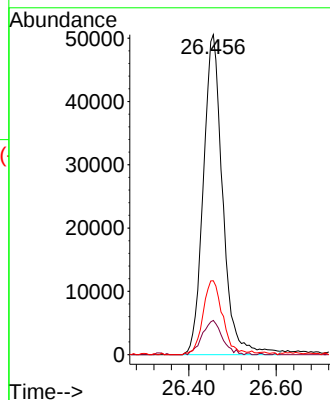
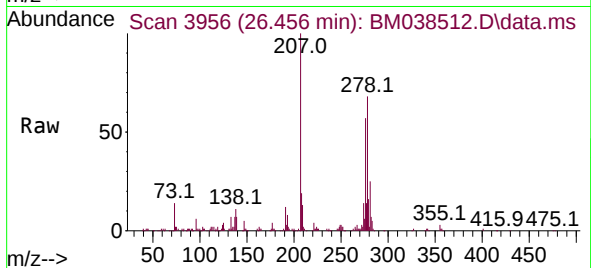
Giraldo

01/24/2023

Supervised By :Jagrut

Upadhyay

01/24/2023



#92

Benzo(g,h,i)perylene

Concen: 5.370 ng

RT: 27.220 min Scan# 4086

Delta R.T. -0.012 min

Lab File: BM038512.D

Acq: 23 Jan 2023 16:56

Tgt Ion:276 Resp: 156883

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 14.0 13.8 20.8

