

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
 Data File : BM038471.D
 Acq On : 17 Jan 2023 19:21
 Operator : CG/JU
 Sample : N3980-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jan 19 04:52:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 03:06:05 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	69112	20.000	ng	0.00
21) Naphthalene-d8	10.787	136	250537	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	159405	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	366609	20.000	ng	0.00
76) Chrysene-d12	21.527	240	403166	20.000	ng	0.00
86) Perylene-d12	23.950	264	512933	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	373091	82.346	ng	-0.01
7) Phenol-d6	7.140	99	460021	79.262	ng	0.00
23) Nitrobenzene-d5	9.151	82	394768	64.202	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	201018	74.596	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	752282	58.855	ng	0.00
79) Terphenyl-d14	19.968	244	1410708	65.504	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.381	88	8239	3.979	ng	# 91
3) Pyridine	3.810	79	25487m	4.255	ng	
4) n-Nitrosodimethylamine	3.716	42	18479	5.214	ng	# 92
6) Aniline	7.304	93	33734	4.602	ng	98
8) 2-Chlorophenol	7.534	128	22215	4.952	ng	92
9) Benzaldehyde	7.116	77	18915	4.874	ng	92
10) Phenol	7.163	94	29711	4.912	ng	89
11) bis(2-Chloroethyl)ether	7.398	93	24049	4.907	ng	98
12) 1,3-Dichlorobenzene	7.863	146	24548	5.108	ng	94
13) 1,4-Dichlorobenzene	8.010	146	24284	5.023	ng	92
14) 1,2-Dichlorobenzene	8.328	146	24652	5.215	ng	98
15) Benzyl Alcohol	8.222	79	20913	4.499	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.504	45	35481	5.192	ng	98
17) 2-Methylphenol	8.422	107	17834	4.366	ng	93
18) Hexachloroethane	9.057	117	10413	5.258	ng	91
19) n-Nitroso-di-n-propyla...	8.787	70	20138	4.780	ng	97
20) 3+4-Methylphenols	8.751	107	22325	4.070	ng	93
22) Acetophenone	8.810	105	28496	3.848	ng	93
24) Nitrobenzene	9.192	77	33101	5.095	ng	99
25) Isophorone	9.716	82	50661	4.651	ng	98
26) 2-Nitrophenol	9.904	139	9411	4.126	ng	98
27) 2,4-Dimethylphenol	9.957	122	17479	4.500	ng	96
28) bis(2-Chloroethoxy)met...	10.198	93	28680	4.682	ng	93
29) 2,4-Dichlorophenol	10.439	162	17225	4.014	ng	99
30) 1,2,4-Trichlorobenzene	10.651	180	22139	4.462	ng	98
31) Naphthalene	10.839	128	61789	4.654	ng	96
32) Benzoic acid	10.034	122	5534m	6.628	ng	
33) 4-Chloroaniline	10.957	127	23811	4.086	ng	96
34) Hexachlorobutadiene	11.110	225	15596	4.482	ng	98
35) Caprolactam	11.745	113	3165	2.610	ng	96
36) 4-Chloro-3-methylphenol	12.075	107	20283	4.336	ng	86
37) 2-Methylnaphthalene	12.439	142	39219	4.040	ng	98
38) 1-Methylnaphthalene	12.663	142	38530m	4.227	ng	
40) 1,2,4,5-Tetrachloroben...	12.804	216	20499	3.436	ng	96
41) Hexachlorocyclopentadiene	12.780	237	14086	4.152	ng	96
43) 2,4,6-Trichlorophenol	13.051	196	15862	4.206	ng	88

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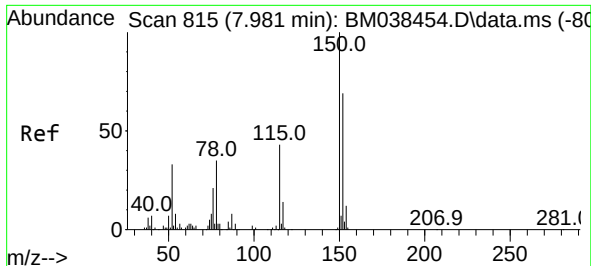
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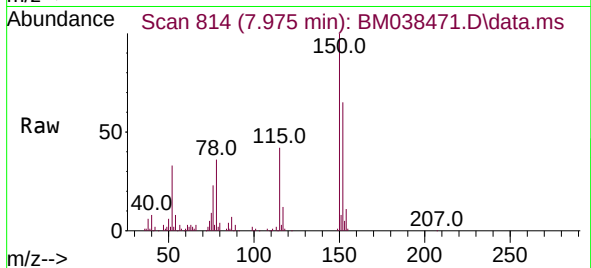
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.122	196	17050	3.834	ng	94
46) 1,1'-Biphenyl	13.445	154	45006	3.639	ng	100
47) 2-Chloronaphthalene	13.492	162	44463	4.568	ng	96
48) 2-Nitroaniline	13.704	65	14276	5.780	ng	94
49) Acenaphthylene	14.333	152	65010	4.236	ng	99
50) Dimethylphthalate	14.069	163	55563	4.301	ng	100
51) 2,6-Dinitrotoluene	14.192	165	10278	3.911	ng	89
52) Acenaphthene	14.674	154	40408	4.333	ng	97
53) 3-Nitroaniline	14.527	138	9715	5.823	ng	96
54) 2,4-Dinitrophenol	14.745	184	5137	7.699	ng	94
55) Dibenzofuran	15.010	168	68570	4.318	ng	99
56) 4-Nitrophenol	14.833	139	7229	6.812	ng	# 86
57) 2,4-Dinitrotoluene	14.980	165	13264	3.631	ng	# 95
58) Fluorene	15.657	166	52899	3.987	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.233	232	14794	3.752	ng	97
60) Diethylphthalate	15.421	149	56186	4.240	ng	99
61) 4-Chlorophenyl-phenyle...	15.645	204	29422	4.040	ng	97
62) 4-Nitroaniline	15.680	138	9309m	5.773	ng	
63) Azobenzene	15.939	77	63705	4.369	ng	96
65) 4,6-Dinitro-2-methylph...	15.745	198	8024	3.225	ng	97
66) n-Nitrosodiphenylamine	15.863	169	44282	4.117	ng	97
67) 4-Bromophenyl-phenylether	16.539	248	17102	4.033	ng	94
68) Hexachlorobenzene	16.657	284	20726	4.365	ng	94
69) Atrazine	16.810	200	19837	5.215	ng	99
70) Pentachlorophenol	17.004	266	11246	3.244	ng	94
71) Phenanthrene	17.398	178	86641	4.272	ng	96
72) Anthracene	17.486	178	84478	4.053	ng	99
73) Carbazole	17.763	167	74473	4.086	ng	98
74) Di-n-butylphthalate	18.310	149	88614	4.093	ng	99
75) Fluoranthene	19.404	202	103162	4.046	ng	96
77) Benzidine	19.598	184	31241	3.537	ng	99
78) Pyrene	19.768	202	108823	4.056	ng	98
80) Butylbenzylphthalate	20.656	149	41689	4.251	ng	90
81) Benzo(a)anthracene	21.509	228	128854	4.444	ng	98
82) 3,3'-Dichlorobenzidine	21.445	252	33965	3.638	ng	95
83) Chrysene	21.562	228	123979	4.400	ng	99
84) Bis(2-ethylhexyl)phtha...	21.421	149	59872	4.247	ng	# 96
85) Di-n-octyl phthalate	22.350	149	109368	4.409	ng	96
87) Indeno(1,2,3-cd)pyrene	26.462	276	158877	4.185	ng	97
88) Benzo(b)fluoranthene	23.209	252	140242	4.409	ng	99
89) Benzo(k)fluoranthene	23.256	252	134989m	4.104	ng	
90) Benzo(a)pyrene	23.839	252	123788	3.966	ng	99
91) Dibenzo(a,h)anthracene	26.480	278	137952	4.331	ng	# 97
92) Benzo(g,h,i)perylene	27.244	276	141480	4.477	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

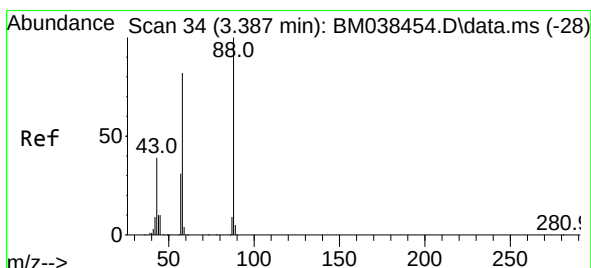
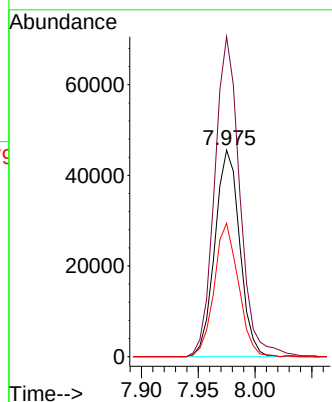
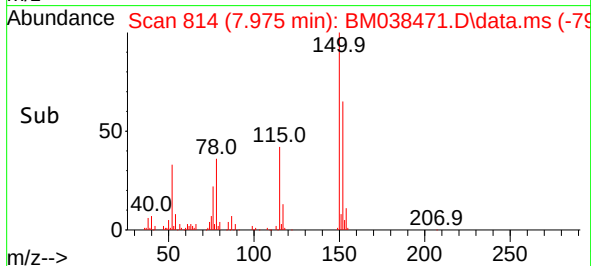
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:152 Resp: 69112
Ion Ratio Lower Upper
152 100
150 154.9 116.0 174.0
115 64.6 49.4 74.2

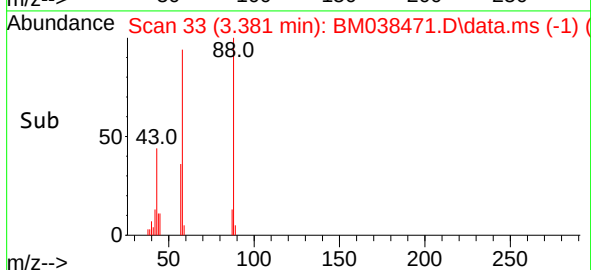
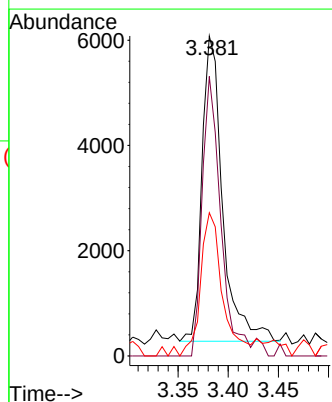
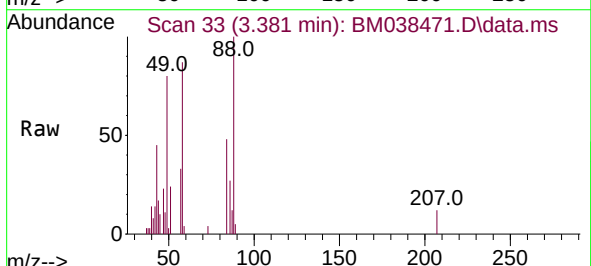
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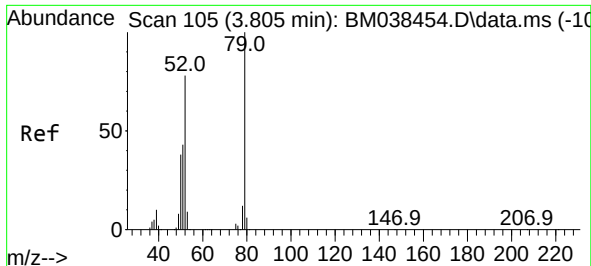
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#2
1,4-Dioxane
Concen: 3.979 ng
RT: 3.381 min Scan# 33
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

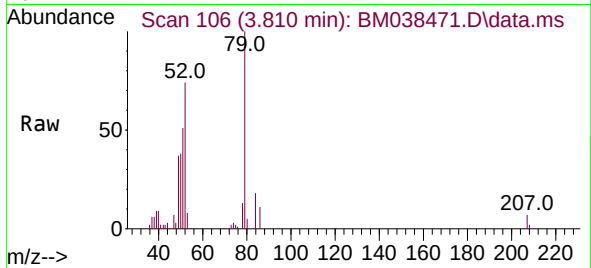
Tgt Ion: 88 Resp: 8239
Ion Ratio Lower Upper
88 100
58 84.9 64.3 96.5
43 50.3 32.3 48.5





#3
Pyridine
Concen: 4.255 ng m
RT: 3.810 min Scan# 10
Delta R.T. 0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

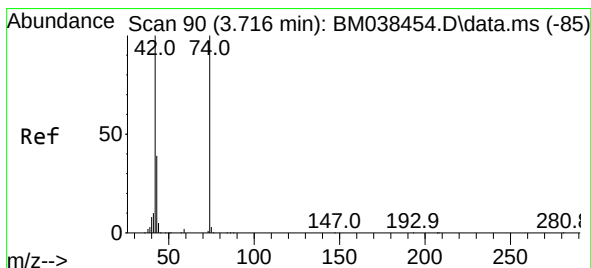
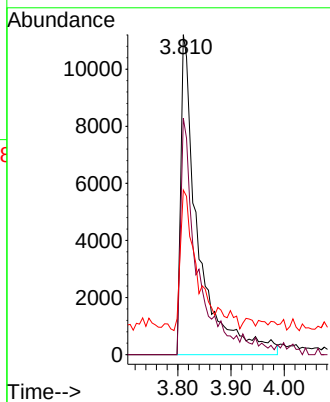
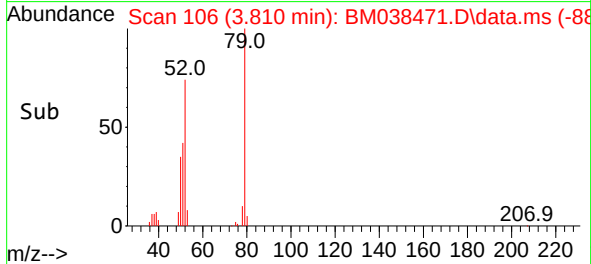
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 79 Resp: 2548
Ion Ratio Lower Upper
79 100
52 73.9 62.2 93.2
51 51.4 34.8 52.2

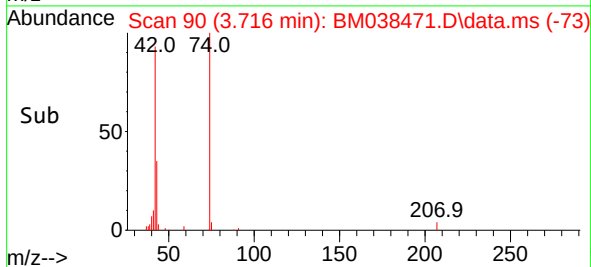
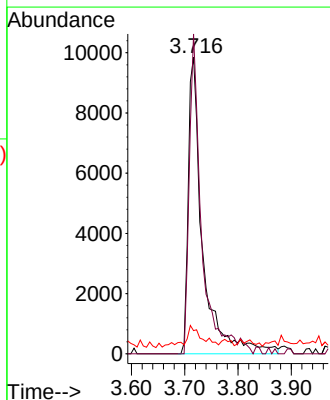
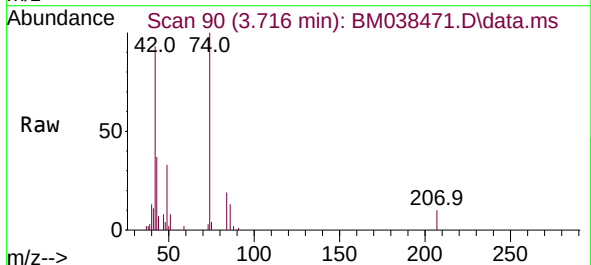
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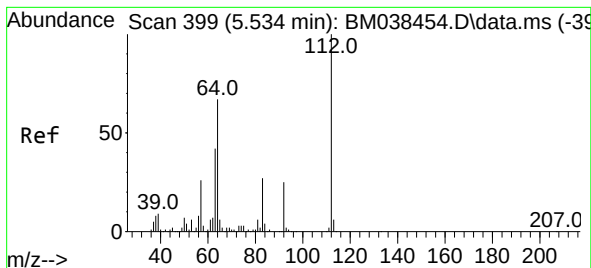
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#4
n-Nitrosodimethylamine
Concen: 5.214 ng
RT: 3.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

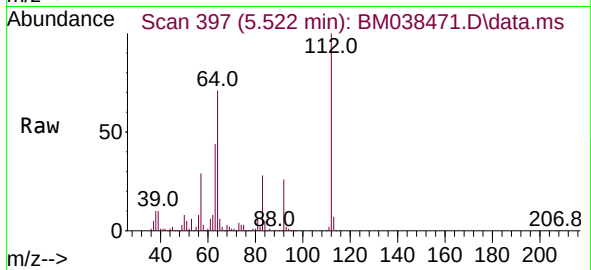
Tgt Ion: 42 Resp: 18479
Ion Ratio Lower Upper
42 100
74 107.9 79.7 119.5
44 7.8 4.7 7.1#





#5
2-Fluorophenol
Concen: 82.346 ng
RT: 5.522 min Scan# 399
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

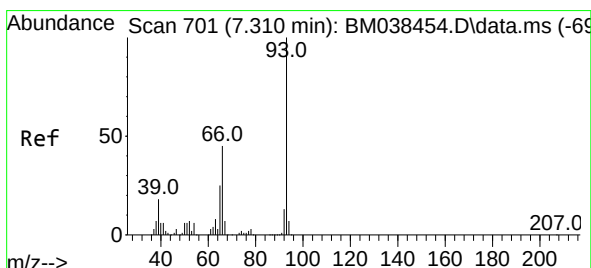
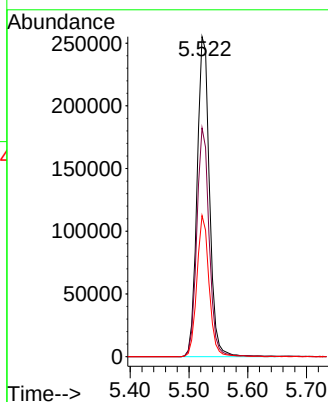
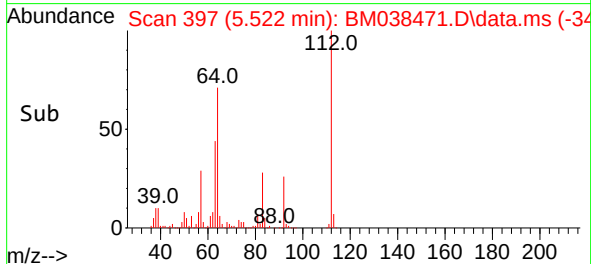
Instrument :
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ClientSampleId :
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Tgt Ion: 112 Resp: 373091
Ion Ratio Lower Upper
112 100
64 71.5 53.7 80.5
63 44.1 33.7 50.5

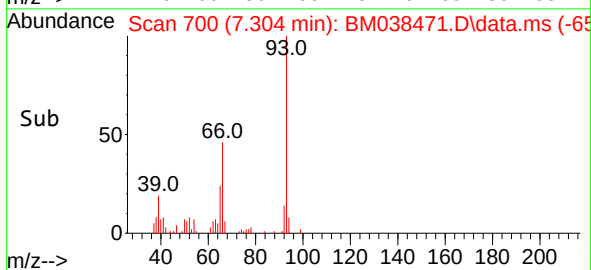
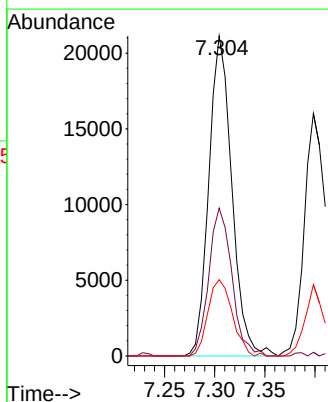
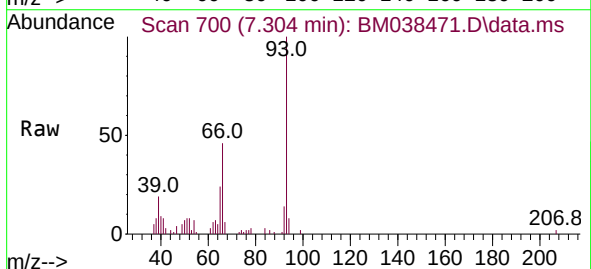
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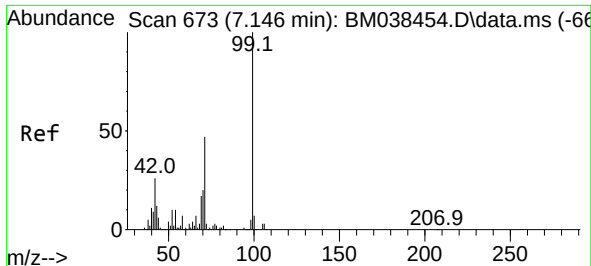
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#6
Aniline
Concen: 4.602 ng
RT: 7.304 min Scan# 700
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

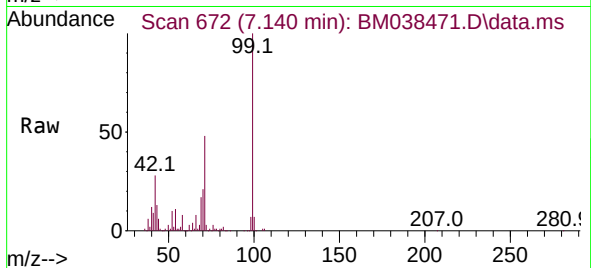
Tgt Ion: 93 Resp: 33734
Ion Ratio Lower Upper
93 100
66 46.2 36.2 54.2
65 23.9 19.8 29.8





#7
Phenol-d6
Concen: 79.262 ng
RT: 7.140 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

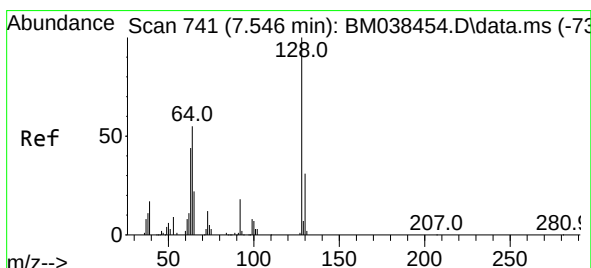
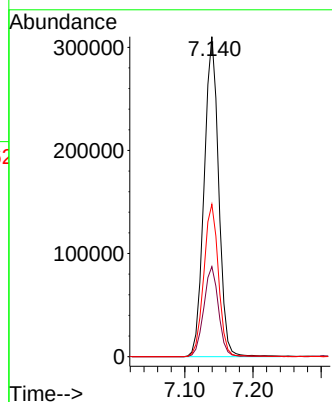
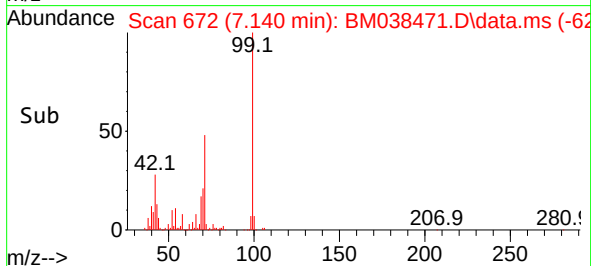
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 99 Resp: 460021
Ion Ratio Lower Upper
99 100
42 28.1 20.8 31.2
71 47.6 37.8 56.8

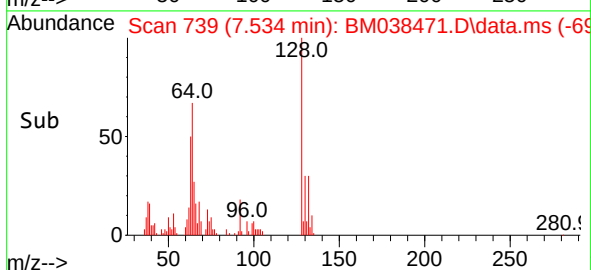
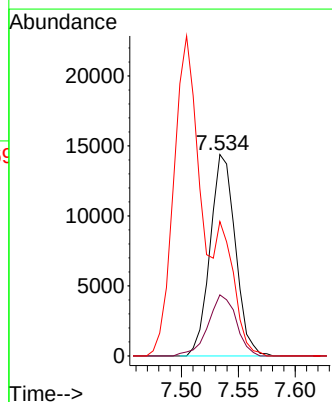
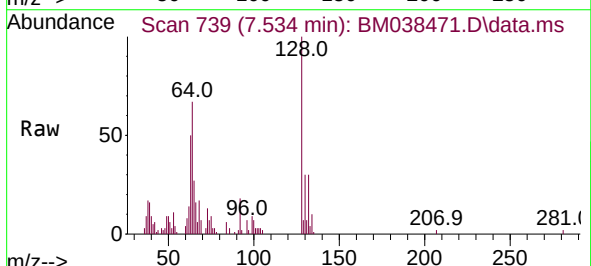
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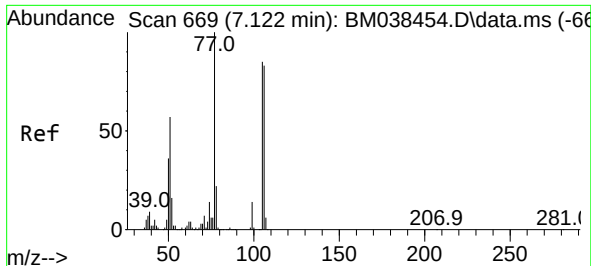
Reviewed By :Christian Giraldo 01/24/2023
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#8
2-Chlorophenol
Concen: 4.952 ng
RT: 7.534 min Scan# 739
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

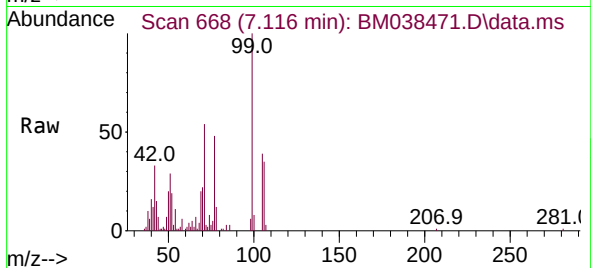
Tgt Ion:128 Resp: 22215
Ion Ratio Lower Upper
128 100
130 30.4 11.5 51.5
64 66.7 38.0 78.0





#9
Benzaldehyde
Concen: 4.874 ng
RT: 7.116 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

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

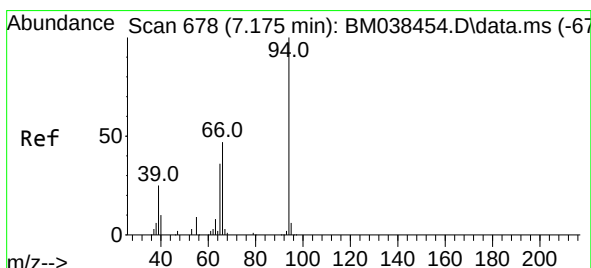
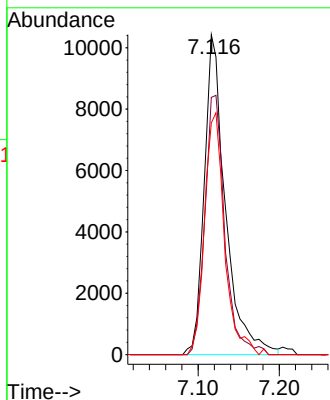
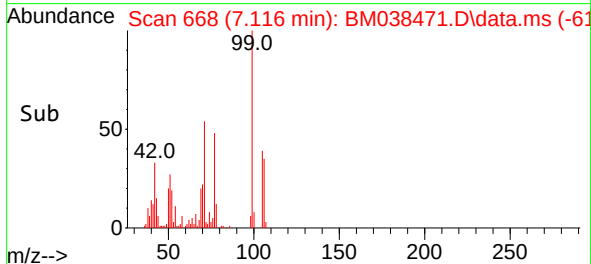


Tgt Ion: 77 Resp: 18915

Ion	Ratio	Lower	Upper
77	100		
105	80.4	65.3	105.3
106	72.4	62.5	102.5

Manual Integrations
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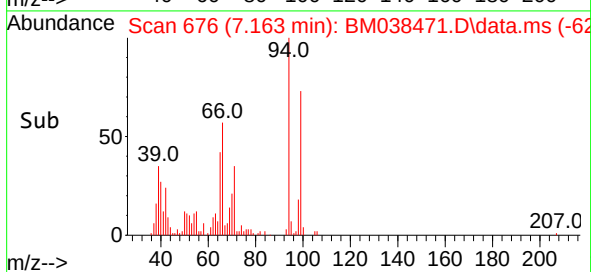
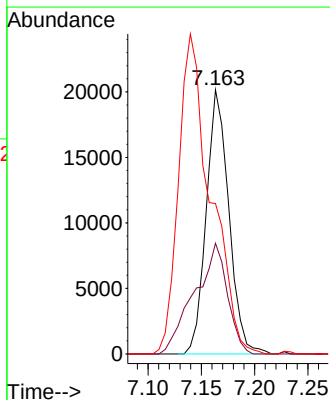
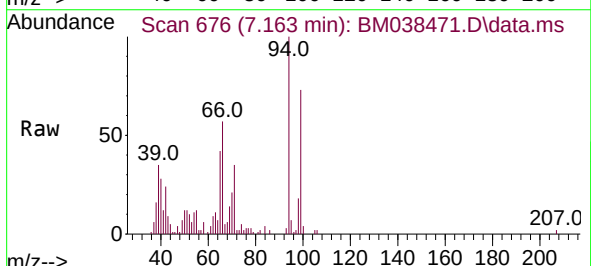
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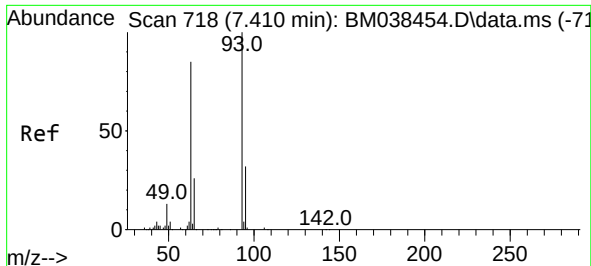


#10
Phenol
Concen: 4.912 ng
RT: 7.163 min Scan# 676
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

Tgt Ion: 94 Resp: 29711

Ion	Ratio	Lower	Upper
94	100		
65	41.9	16.3	56.3
66	56.9	29.2	69.2





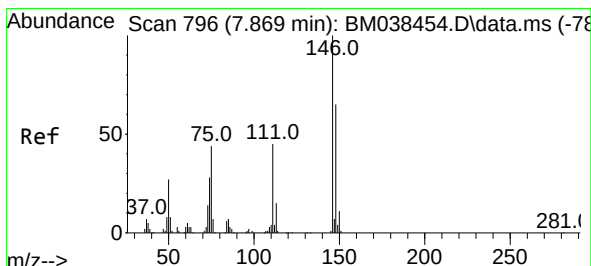
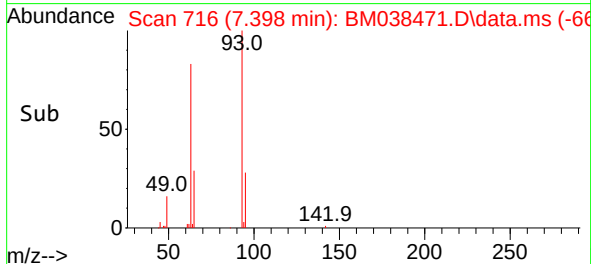
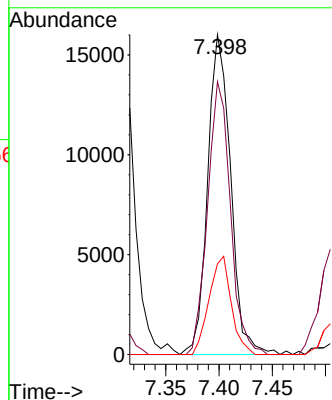
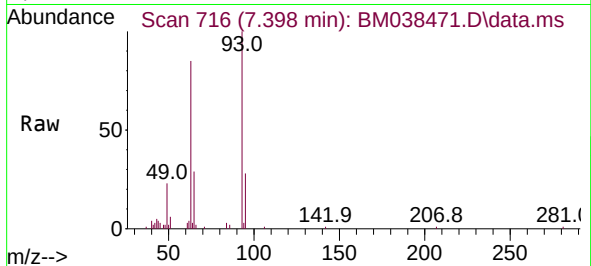
#11
bis(2-Chloroethyl)ether
Concen: 4.907 ng
RT: 7.398 min Scan# 718
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

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

Tgt Ion: 93 Resp: 24049
Ion Ratio Lower Upper
93 100
63 85.3 64.6 104.6
95 28.4 12.0 52.0

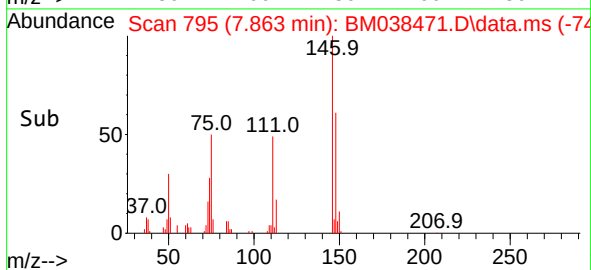
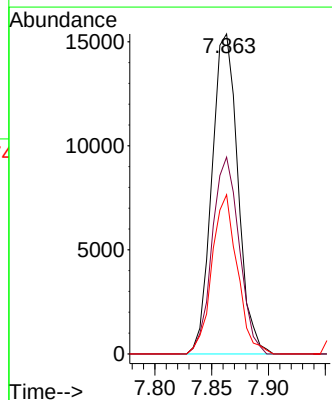
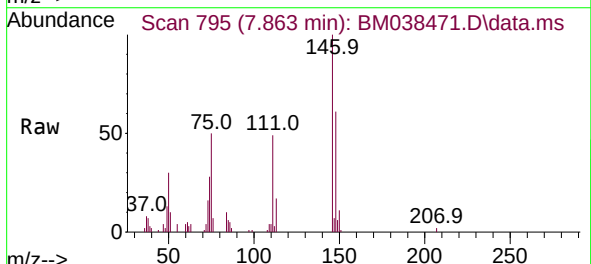
Manual Integrations
APPROVED

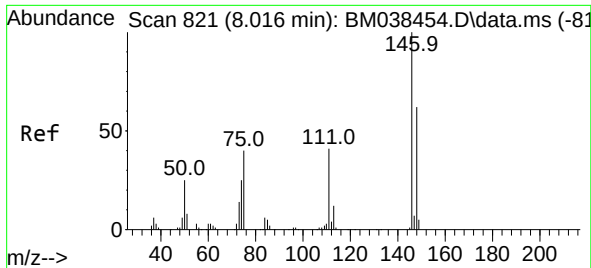
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#12
1,3-Dichlorobenzene
Concen: 5.108 ng
RT: 7.863 min Scan# 795
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

Tgt Ion:146 Resp: 24548
Ion Ratio Lower Upper
146 100
148 61.5 51.8 77.8
75 49.7 35.1 52.7





#13

1,4-Dichlorobenzene

Concen: 5.023 ng

RT: 8.010 min Scan# 81

Delta R.T. -0.006 min

Lab File: BM038471.D

Acq: 17 Jan 2023 19:21

Instrument :

BNA_M

ClientSampleId :

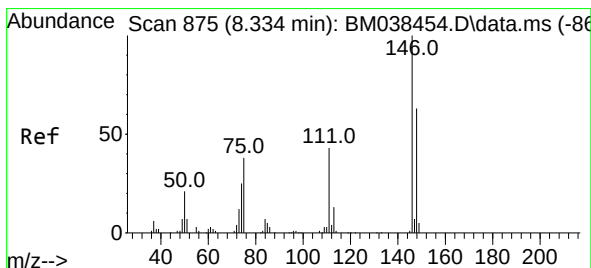
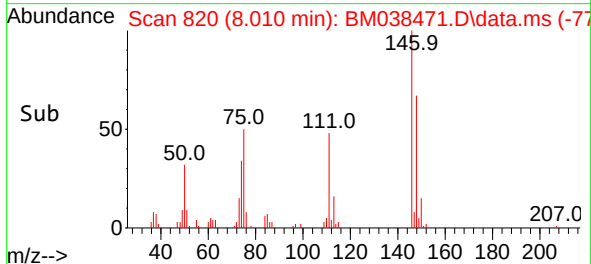
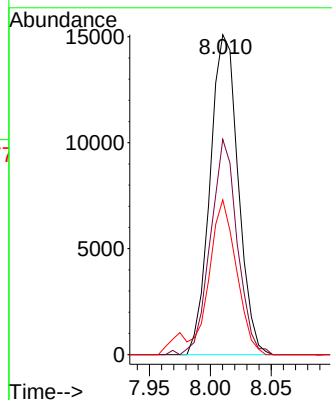
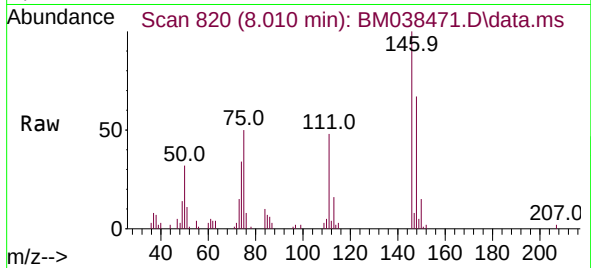
LOQ-SOIL-02-QT3-2022

Tgt Ion:	146	Resp:	24284
Ion Ratio	Lower	Upper	
146	100		
148	67.3	50.1	75.1
111	48.4	32.8	49.2

Manual Integrations

APPROVED

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



#14

1,2-Dichlorobenzene

Concen: 5.215 ng

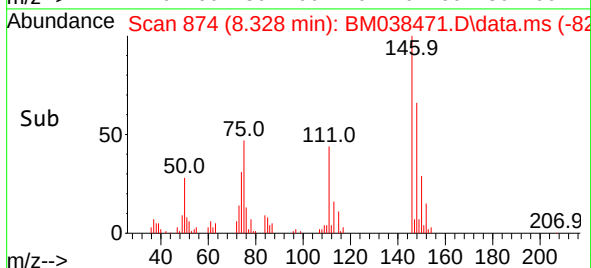
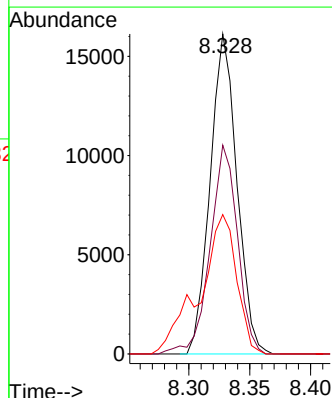
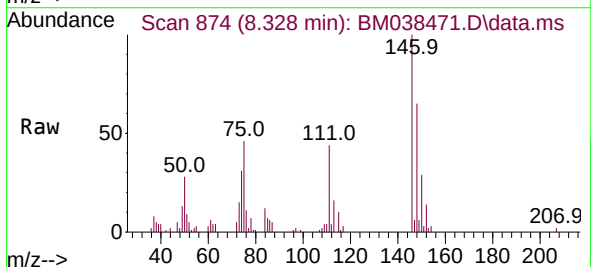
RT: 8.328 min Scan# 874

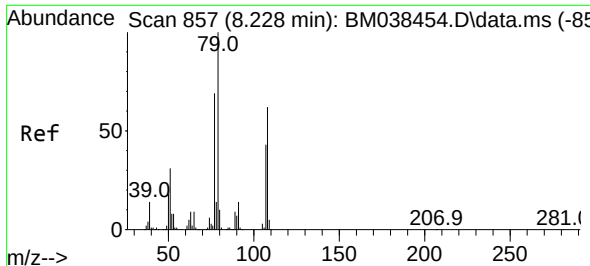
Delta R.T. -0.006 min

Lab File: BM038471.D

Acq: 17 Jan 2023 19:21

Tgt Ion:	146	Resp:	24652
Ion Ratio	Lower	Upper	
146	100		
148	65.2	50.7	76.1
111	43.5	35.2	52.8





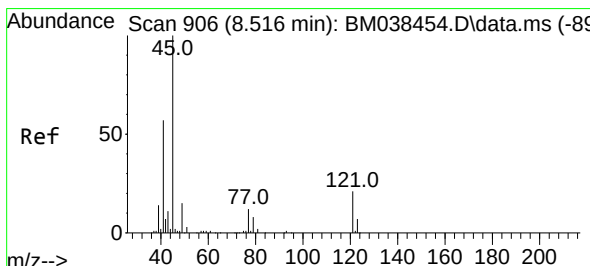
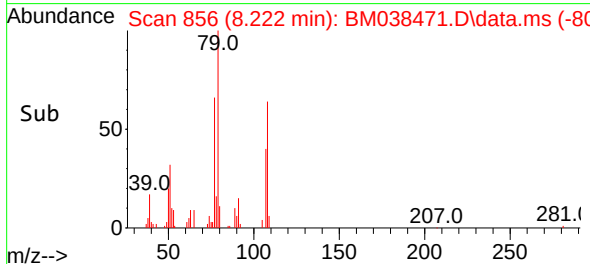
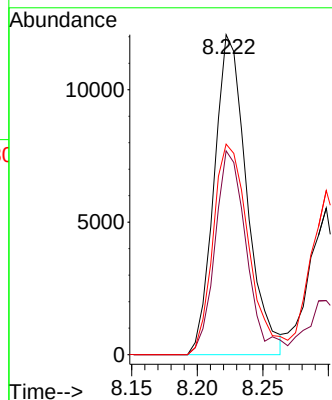
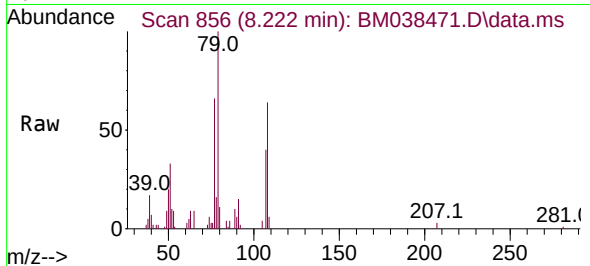
#15
Benzyl Alcohol
Concen: 4.499 ng
RT: 8.222 min Scan# 857
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

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

Tgt Ion: 79 Resp: 20913
Ion Ratio Lower Upper
79 100
108 63.7 49.3 73.9
77 65.8 55.1 82.7

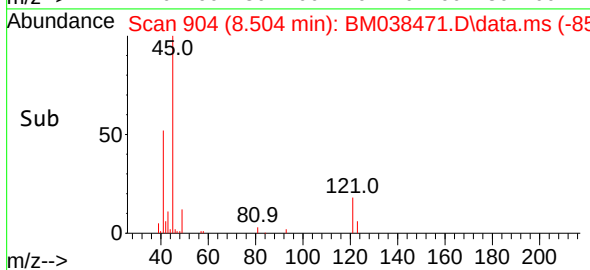
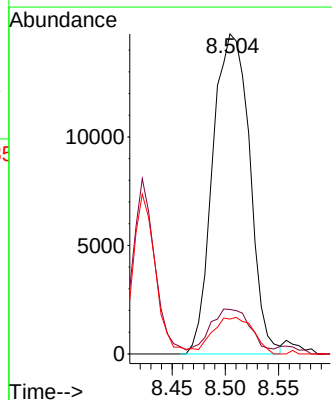
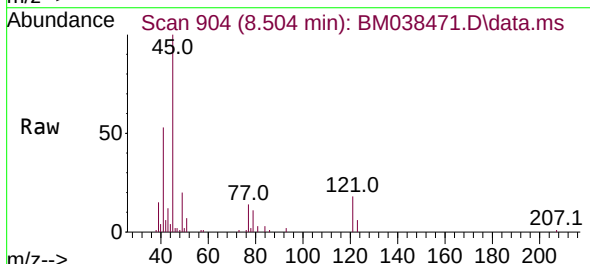
Manual Integrations
APPROVED

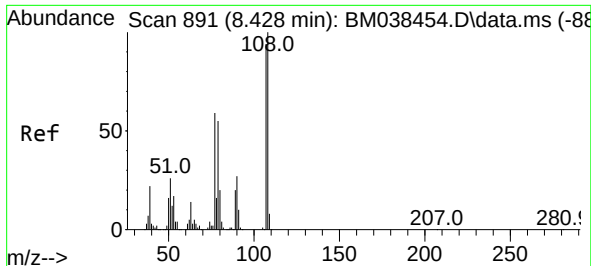
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.192 ng
RT: 8.504 min Scan# 904
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

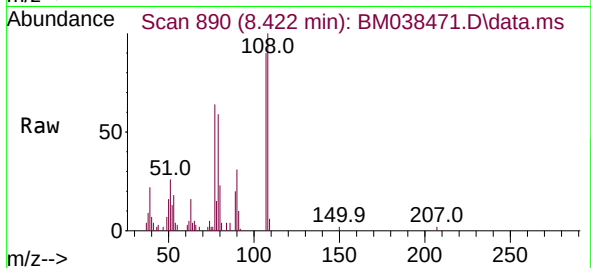
Tgt Ion: 45 Resp: 35481
Ion Ratio Lower Upper
45 100
77 13.9 0.0 34.7
79 10.9 0.0 30.4





#17
2-Methylphenol
Concen: 4.366 ng
RT: 8.422 min Scan# 891
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

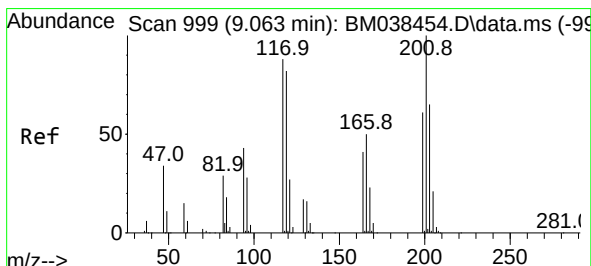
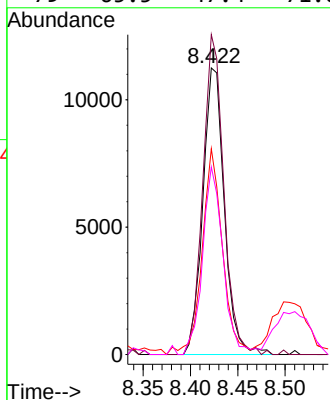
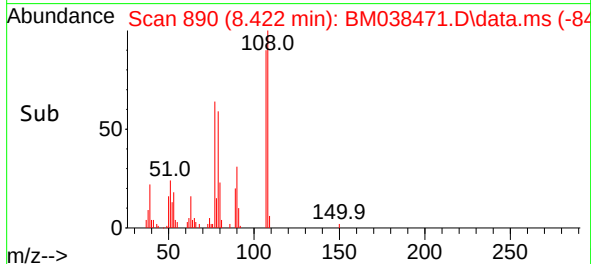
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:	107	Resp:	17834
Ion	Ratio	Lower	Upper
107	100		
108	111.7	85.7	128.5
77	71.8	50.5	75.7
79	65.5	47.4	71.0

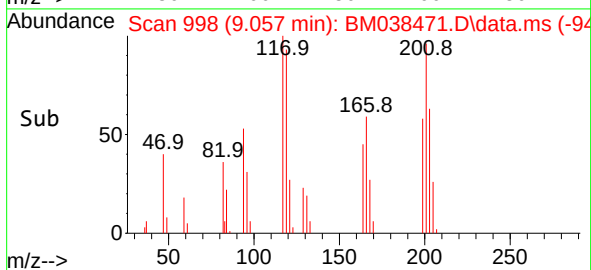
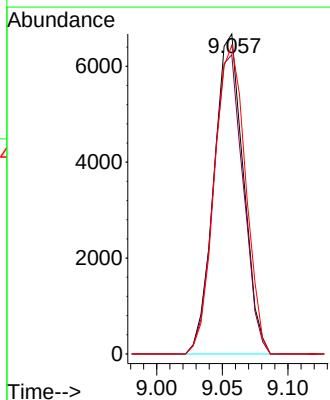
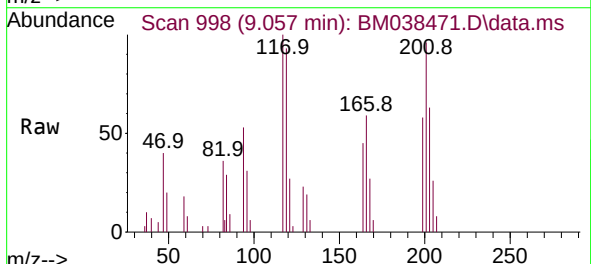
Manual Integrations
APPROVED

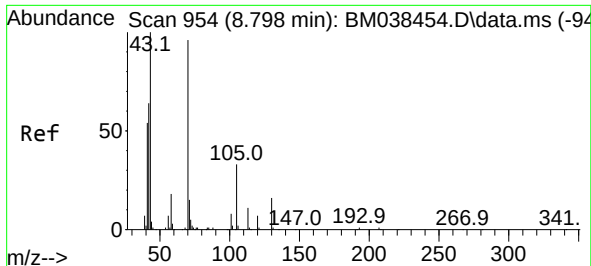
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#18
Hexachloroethane
Concen: 5.258 ng
RT: 9.057 min Scan# 998
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

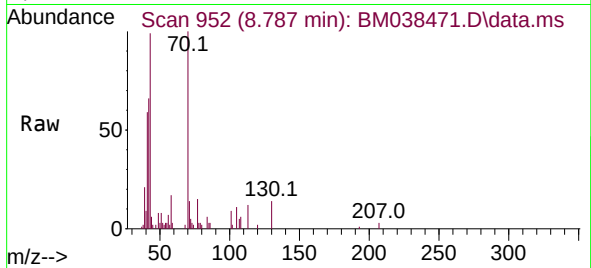
Tgt Ion:	117	Resp:	10413
Ion	Ratio	Lower	Upper
117	100		
119	93.5	74.5	111.7
201	96.4	91.3	136.9





#19
n-Nitroso-di-n-propylamine
Concen: 4.780 ng
RT: 8.787 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

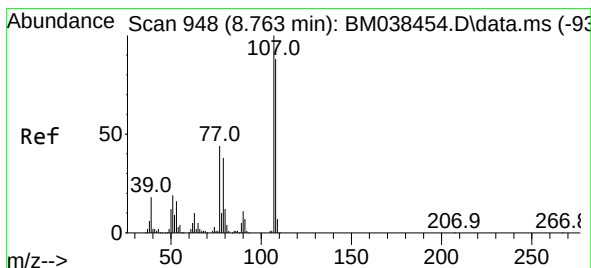
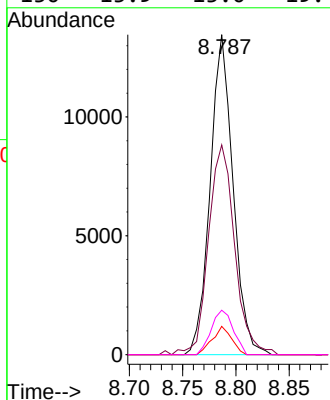
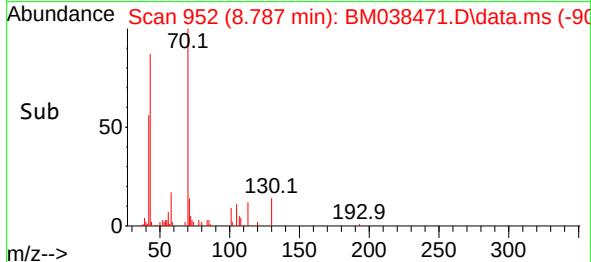
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



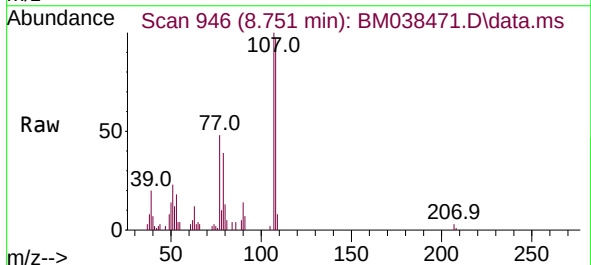
Tgt Ion: 70 Resp: 20138
Ion Ratio Lower Upper
70 100
42 65.5 54.2 81.2
101 8.8 6.6 10.0
130 13.9 13.0 19.4

Manual Integrations
APPROVED

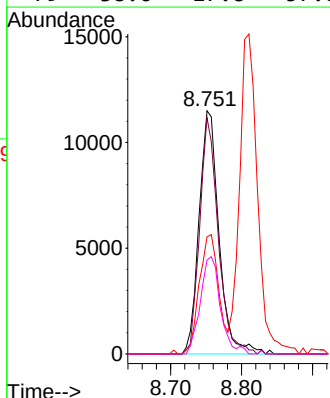
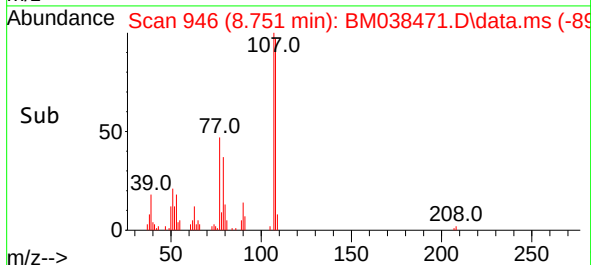
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

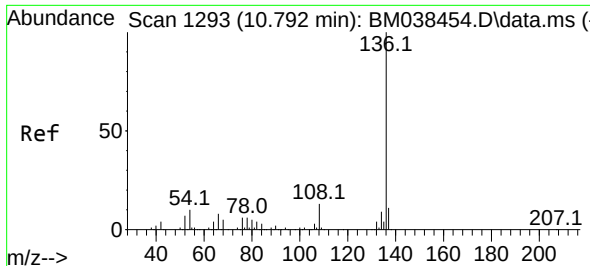


#20
3+4-Methylphenols
Concen: 4.070 ng
RT: 8.751 min Scan# 946
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21



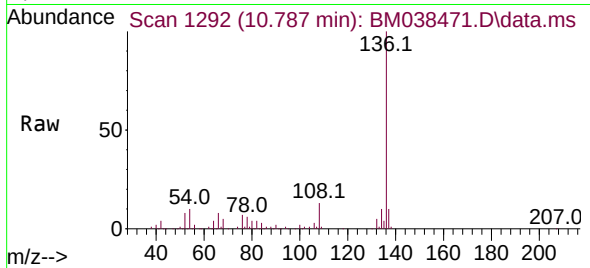
Tgt Ion: 107 Resp: 22325
Ion Ratio Lower Upper
107 100
108 97.1 67.6 107.6
77 48.1 24.1 64.1
79 38.6 17.8 57.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.787 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

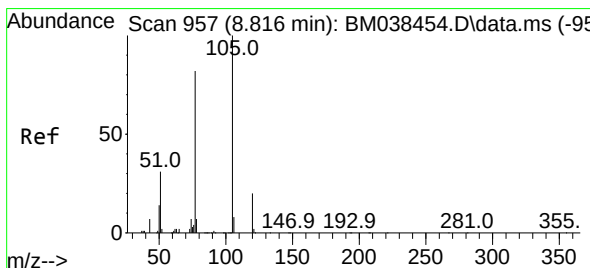
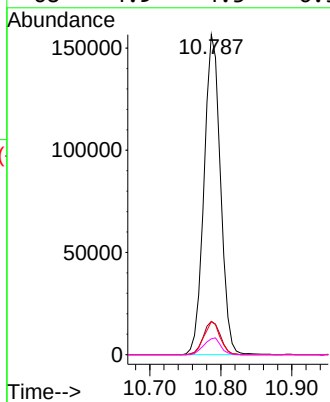
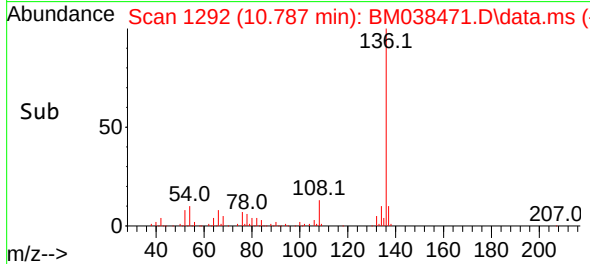
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion:136 Resp: 250537
Ion Ratio Lower Upper
136 100
137 10.4 9.0 13.4
54 10.3 7.6 11.4
68 4.9 4.3 6.5

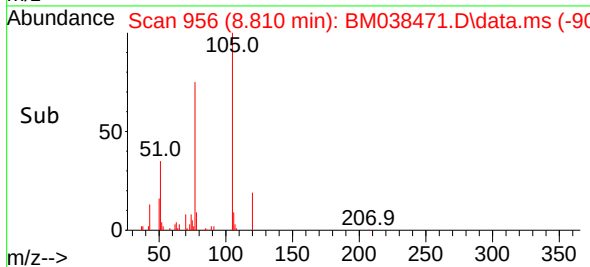
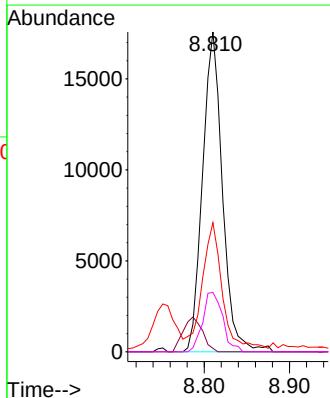
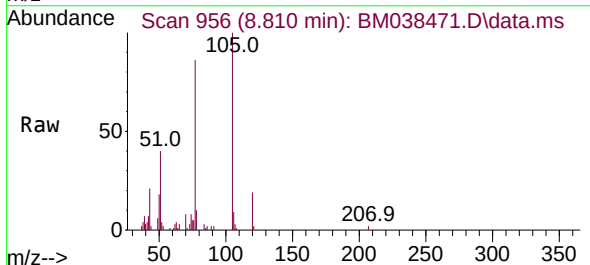
Manual Integrations
APPROVED

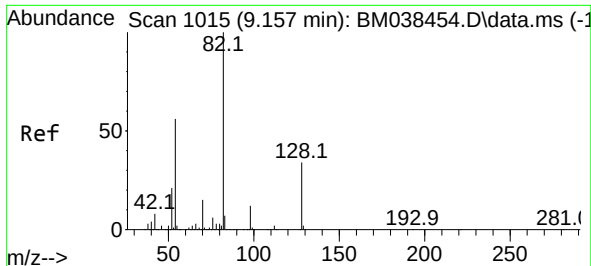
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#22
Acetophenone
Concen: 3.848 ng
RT: 8.810 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

Tgt Ion:105 Resp: 28496
Ion Ratio Lower Upper
105 100
71 1.1 1.0 1.6
51 40.4 27.4 41.2
120 18.6 15.6 23.4





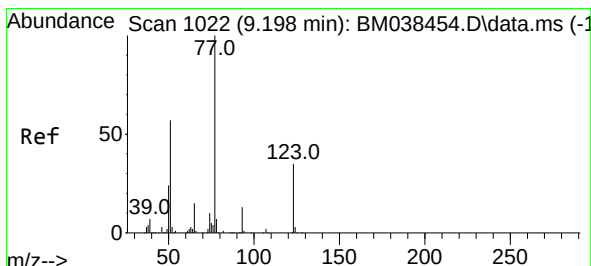
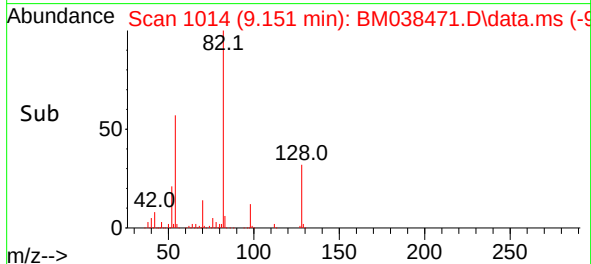
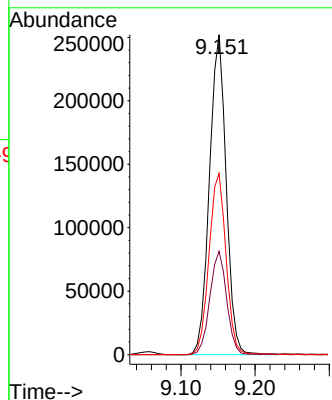
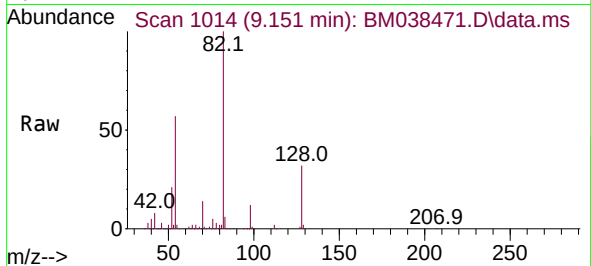
#23
Nitrobenzene-d5
Concen: 64.202 ng
RT: 9.151 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

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

Tgt Ion: 82 Resp: 394768
Ion Ratio Lower Upper
82 100
128 32.3 27.0 40.6
54 56.6 45.0 67.6

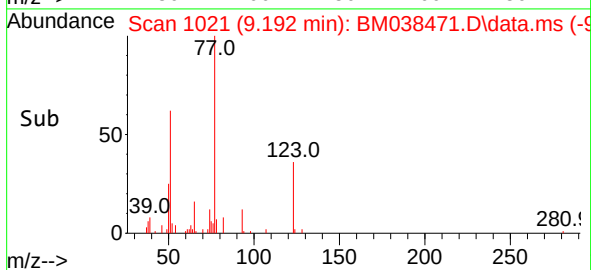
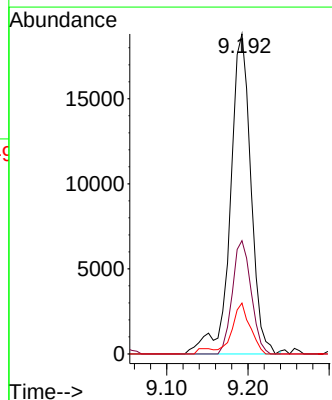
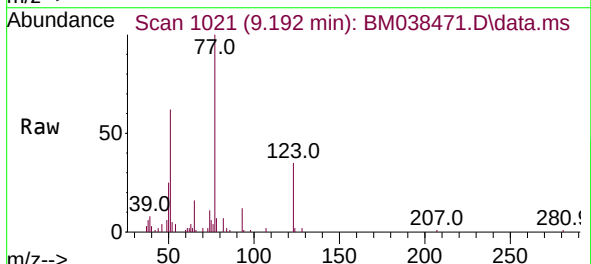
Manual Integrations
APPROVED

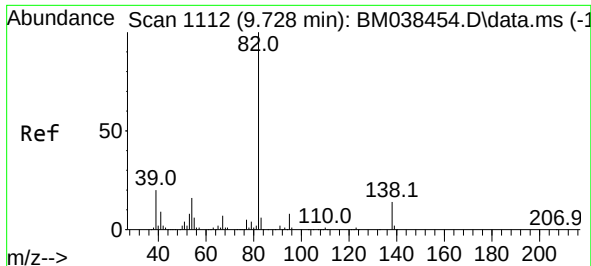
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#24
Nitrobenzene
Concen: 5.095 ng
RT: 9.192 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

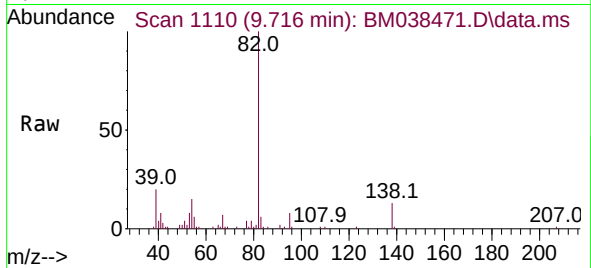
Tgt Ion: 77 Resp: 33101
Ion Ratio Lower Upper
77 100
123 35.4 28.2 42.4
65 15.9 12.1 18.1





#25
Isophorone
Concen: 4.651 ng
RT: 9.716 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

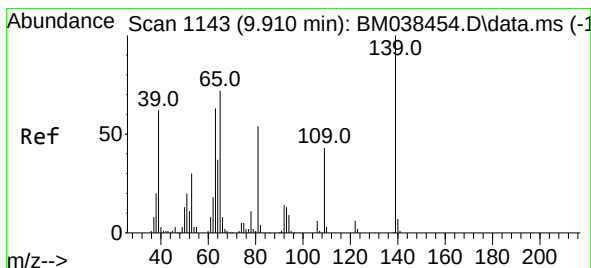
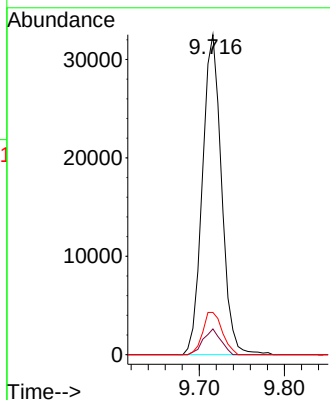
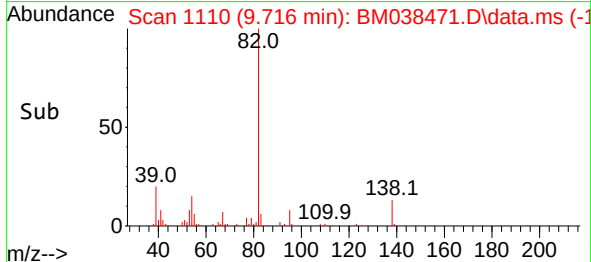
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 82 Resp: 5066
Ion Ratio Lower Upper
82 100
95 8.0 6.1 9.1
138 13.2 11.5 17.3

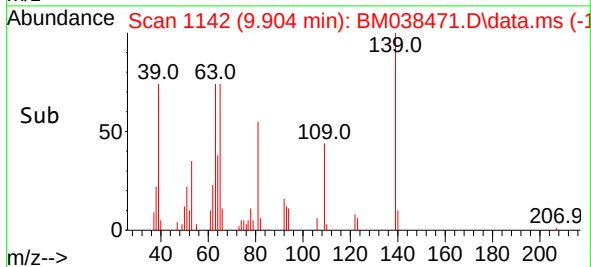
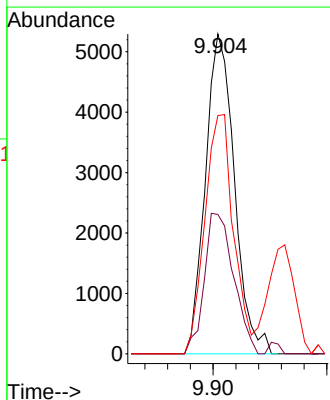
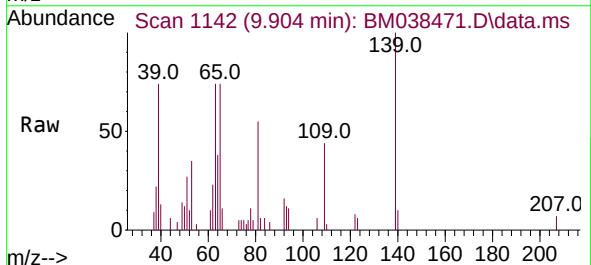
Manual Integrations
APPROVED

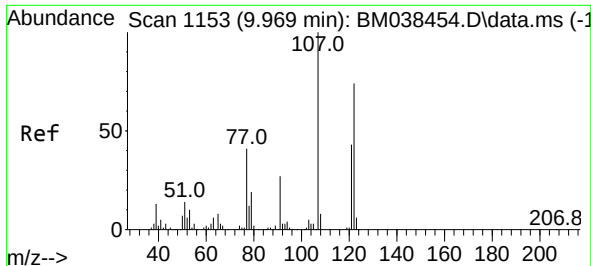
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#26
2-Nitrophenol
Concen: 4.126 ng
RT: 9.904 min Scan# 1142
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

Tgt Ion:139 Resp: 9411
Ion Ratio Lower Upper
139 100
109 43.6 34.7 52.1
65 74.5 57.4 86.0





#27

2,4-Dimethylphenol

Concen: 4.500 ng

RT: 9.957 min Scan# 1151

Delta R.T. -0.012 min

Lab File: BM038471.D

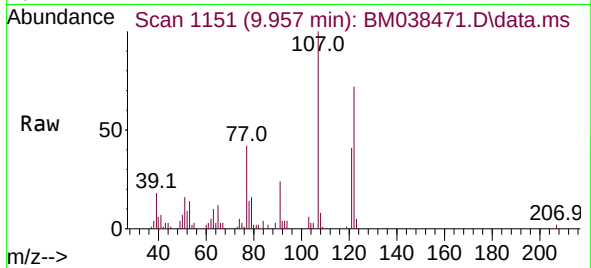
Acq: 17 Jan 2023 19:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



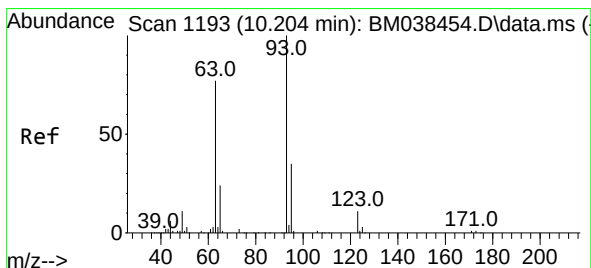
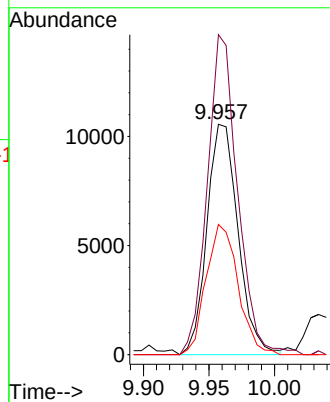
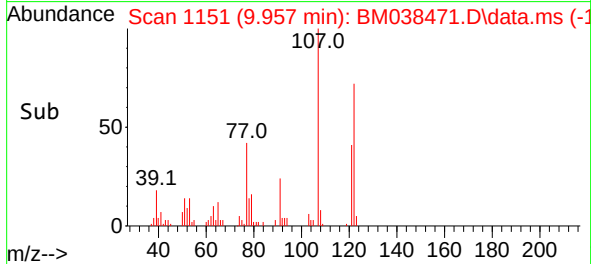
Tgt Ion:	122	Resp:	17479
Ion Ratio	Lower	Upper	
122	100		
107	139.0	107.4	161.0
121	56.5	46.6	70.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#28

bis(2-Chloroethoxy)methane

Concen: 4.682 ng

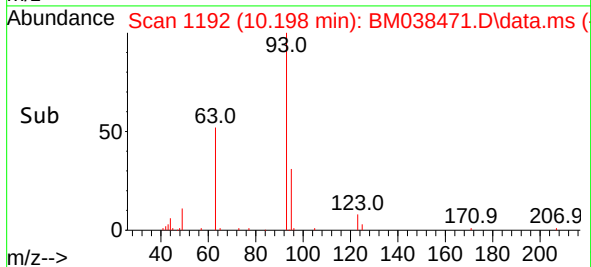
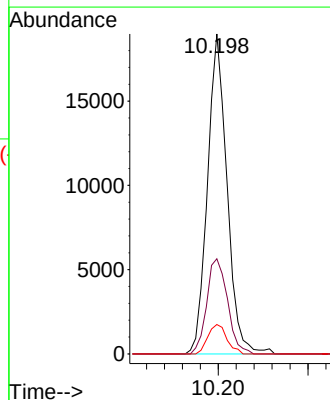
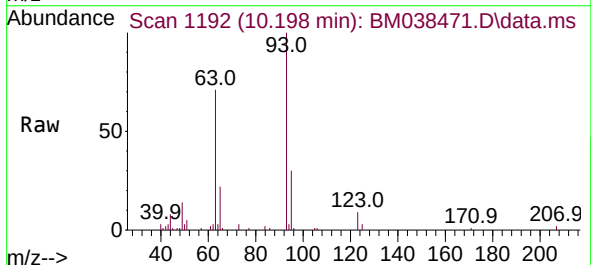
RT: 10.198 min Scan# 1192

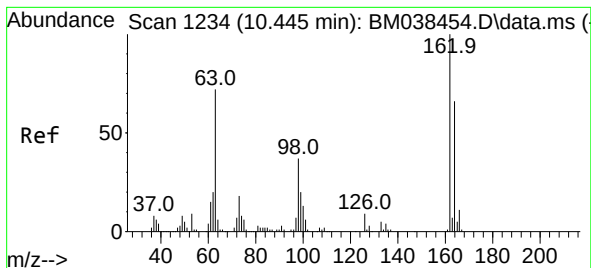
Delta R.T. -0.006 min

Lab File: BM038471.D

Acq: 17 Jan 2023 19:21

Tgt Ion:	93	Resp:	28680
Ion Ratio	Lower	Upper	
93	100		
95	29.7	27.7	41.5
123	9.2	8.6	13.0





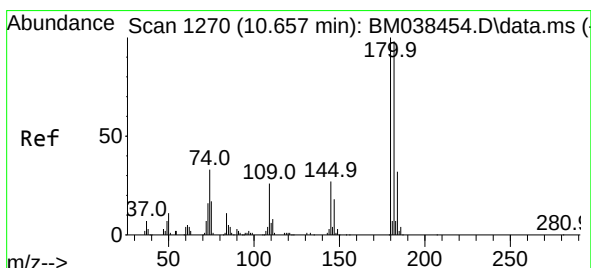
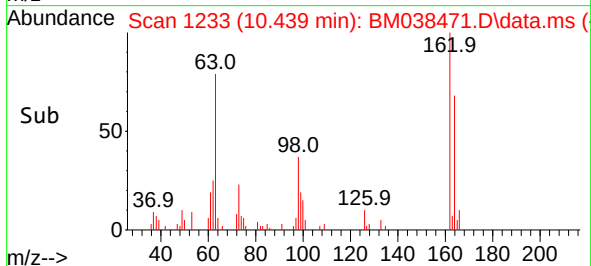
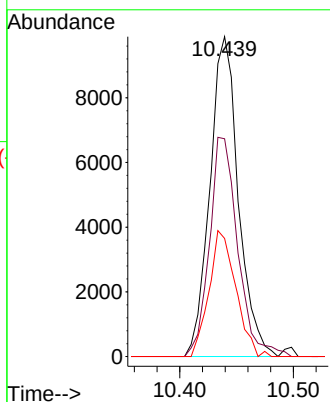
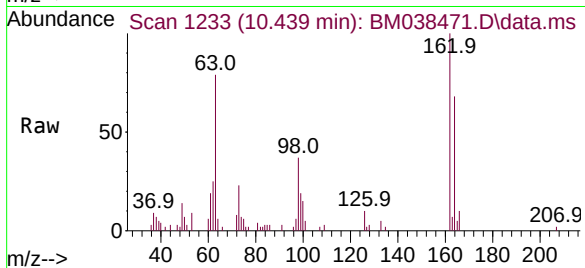
#29
2,4-Dichlorophenol
Concen: 4.014 ng
RT: 10.439 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

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

Tgt Ion:162 Resp: 17225
Ion Ratio Lower Upper
162 100
164 68.1 46.5 86.5
98 36.9 17.1 57.1

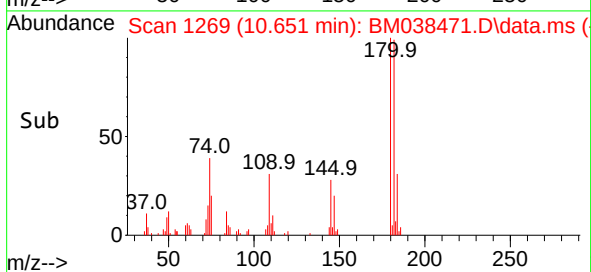
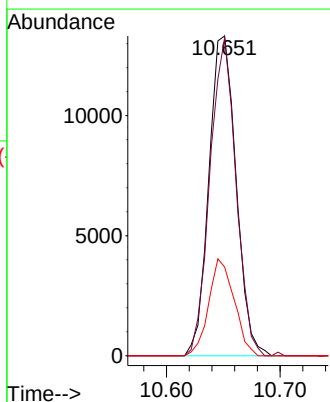
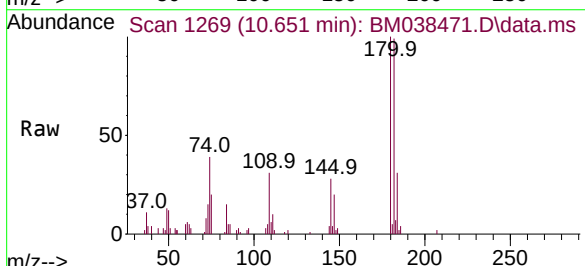
Manual Integrations
APPROVED

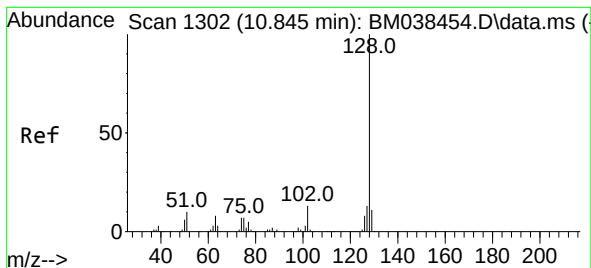
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#30
1,2,4-Trichlorobenzene
Concen: 4.462 ng
RT: 10.651 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

Tgt Ion:180 Resp: 22139
Ion Ratio Lower Upper
180 100
182 99.4 78.1 117.1
145 27.8 21.9 32.9





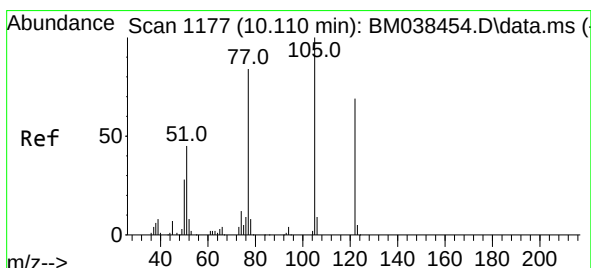
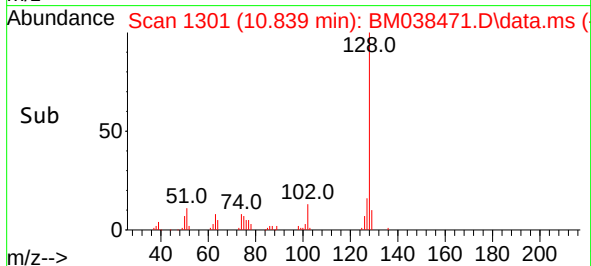
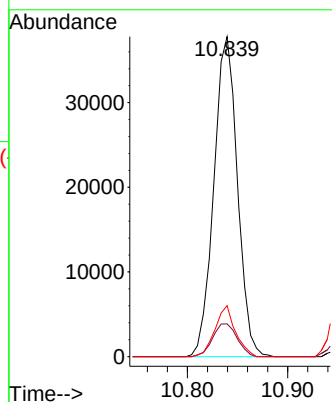
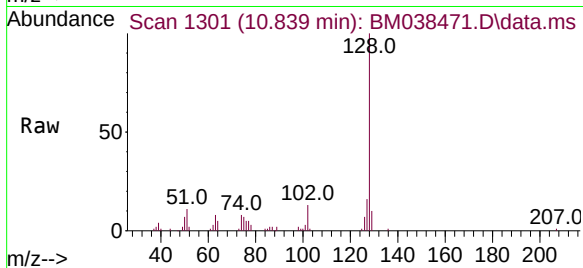
#31
Naphthalene
Concen: 4.654 ng
RT: 10.839 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

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

Tgt Ion:128 Resp: 61789
Ion Ratio Lower Upper
128 100
129 10.2 8.9 13.3
127 15.9 10.8 16.2

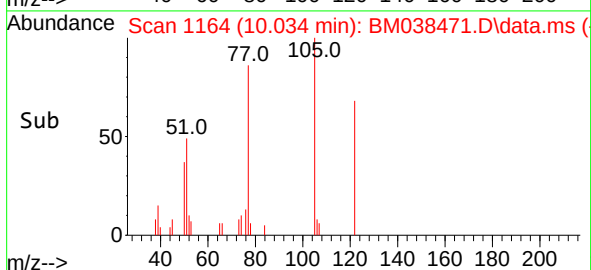
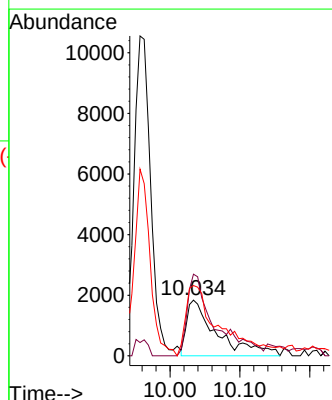
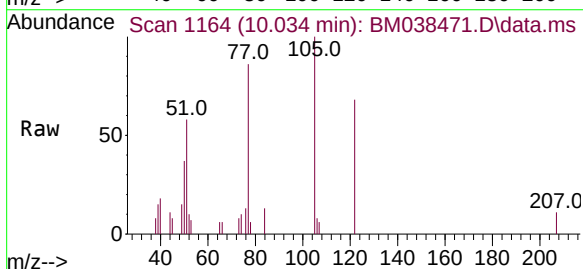
Manual Integrations
APPROVED

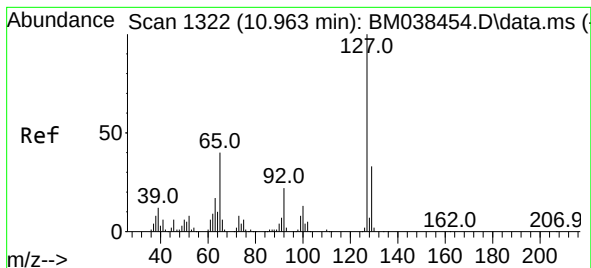
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#32
Benzoic acid
Concen: 6.628 ng m
RT: 10.034 min Scan# 1164
Delta R.T. -0.076 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

Tgt Ion:122 Resp: 5534
Ion Ratio Lower Upper
122 100
105 146.6 122.6 162.6
77 126.4 101.5 141.5





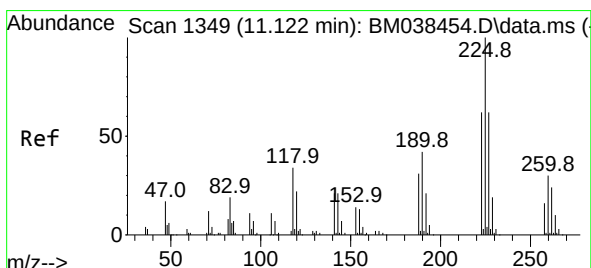
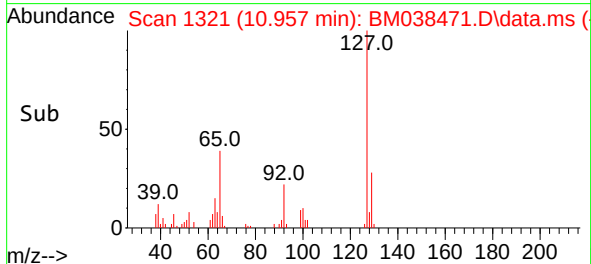
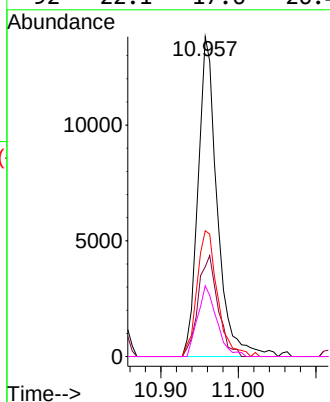
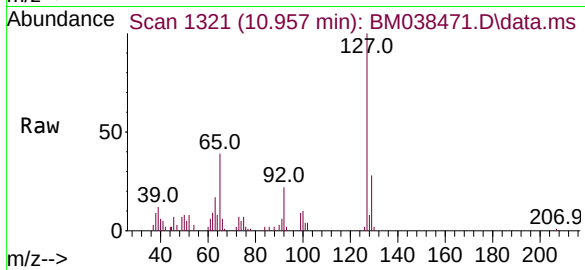
#33
4-Chloroaniline
Concen: 4.086 ng
RT: 10.957 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

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

Tgt Ion	Ratio	Lower	Upper
127	100		
129	28.1	26.4	39.6
65	39.3	32.1	48.1
92	22.1	17.6	26.4

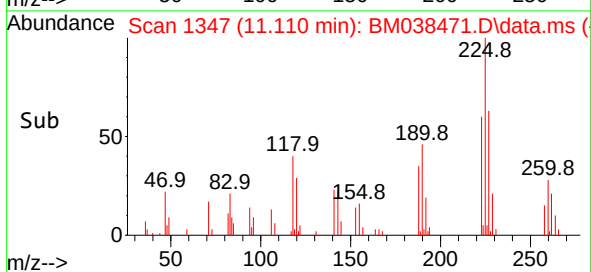
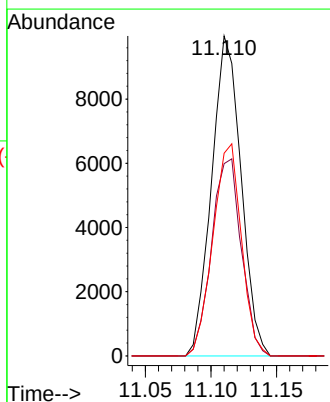
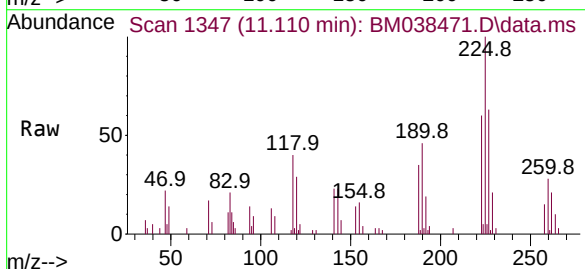
Manual Integrations
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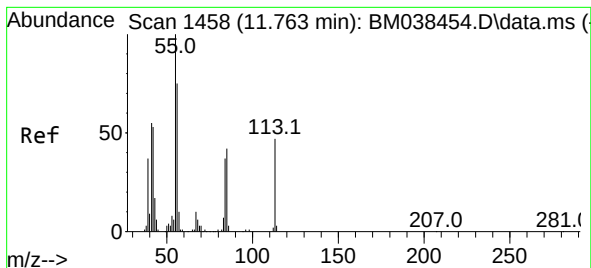
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#34
Hexachlorobutadiene
Concen: 4.482 ng
RT: 11.110 min Scan# 1347
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

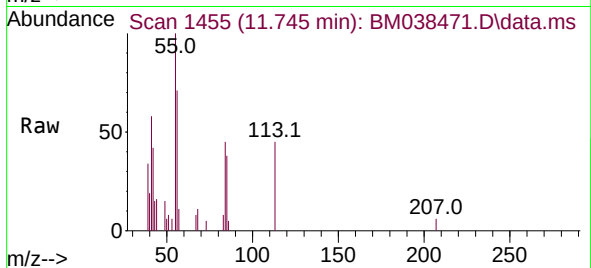
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	49.8	74.8
227	63.3	49.6	74.4





#35
Caprolactam
Concen: 2.610 ng
RT: 11.745 min Scan# 1455
Delta R.T. -0.018 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

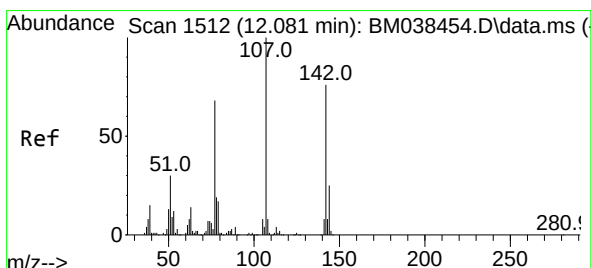
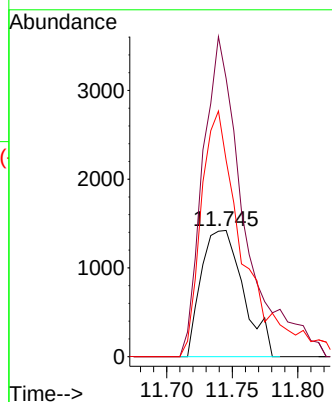
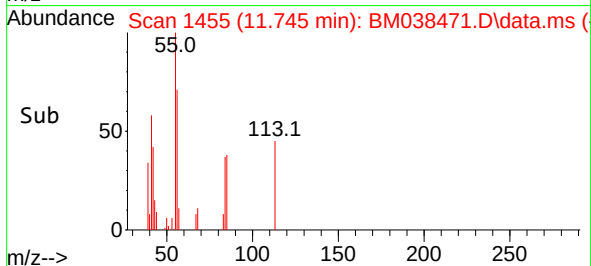
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:113 Resp: 3165
Ion Ratio Lower Upper
113 100
55 220.5 194.2 234.2
56 155.7 141.6 181.6

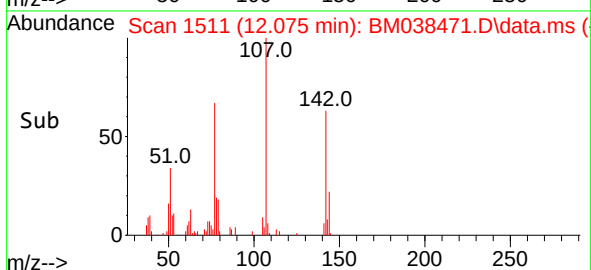
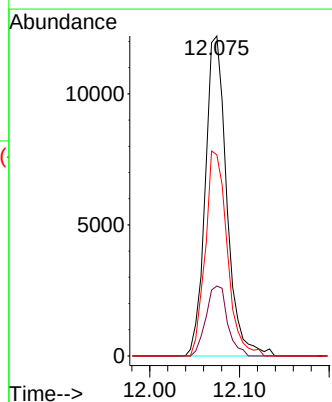
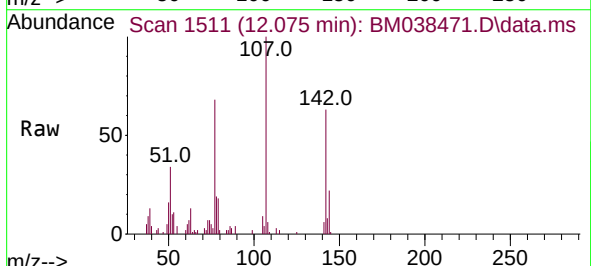
Manual Integrations
APPROVED

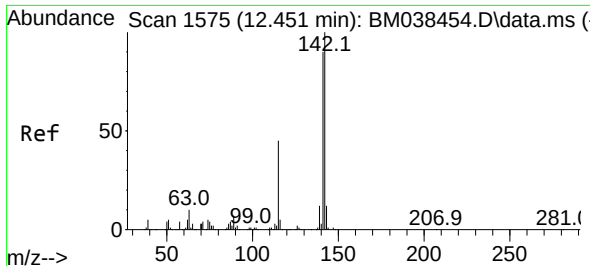
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#36
4-Chloro-3-methylphenol
Concen: 4.336 ng
RT: 12.075 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

Tgt Ion:107 Resp: 20283
Ion Ratio Lower Upper
107 100
144 21.8 20.3 30.5
142 62.8 61.2 91.8





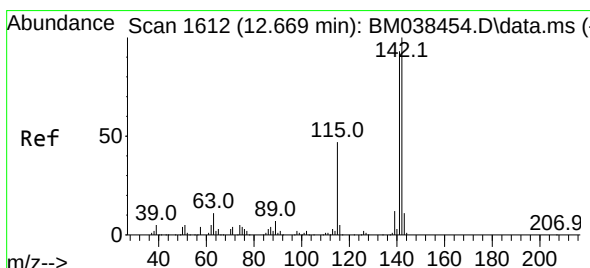
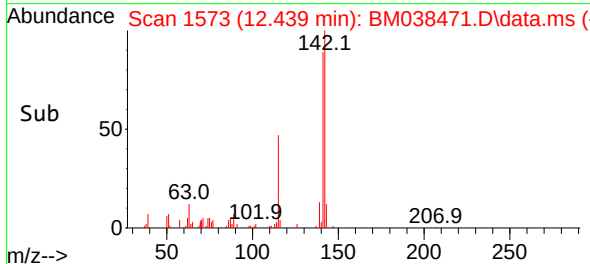
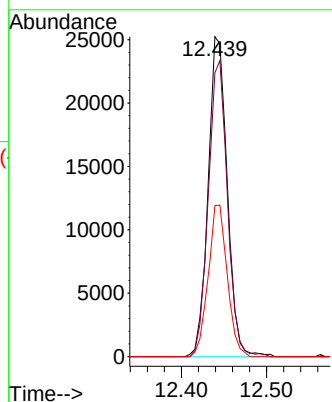
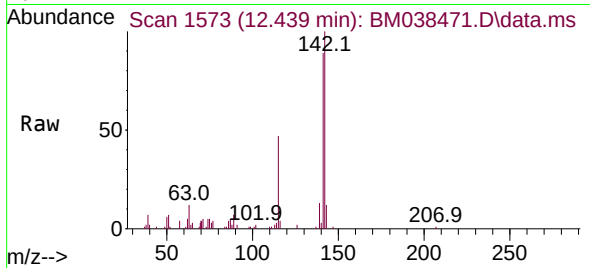
#37
2-Methylnaphthalene
Concen: 4.040 ng
RT: 12.439 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

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

Tgt Ion:142 Resp: 39219
Ion Ratio Lower Upper
142 100
141 88.7 72.0 108.0
115 47.2 35.9 53.9

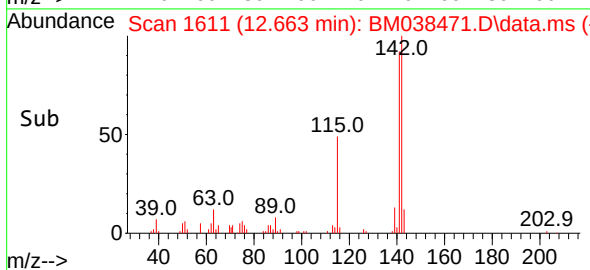
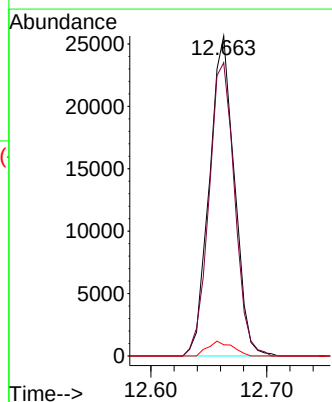
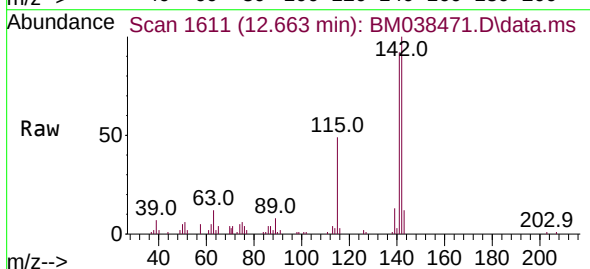
Manual Integrations
APPROVED

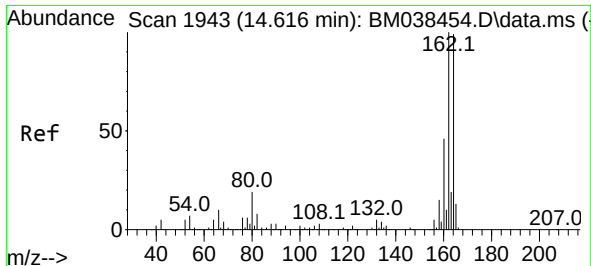
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#38
1-Methylnaphthalene
Concen: 4.227 ng m
RT: 12.663 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

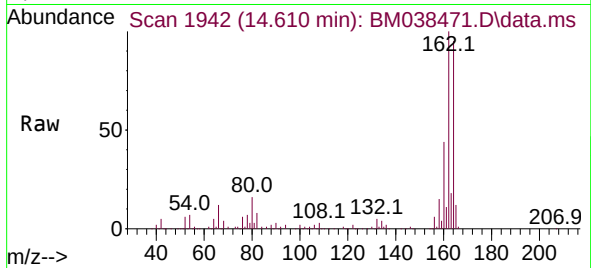
Tgt Ion:142 Resp: 38530
Ion Ratio Lower Upper
142 100
141 91.6 74.4 111.6
116 3.5 3.8 5.8#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

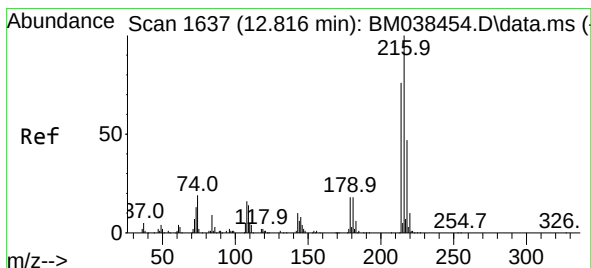
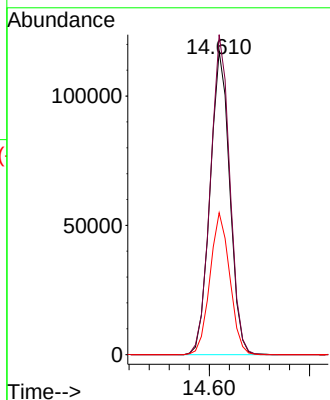
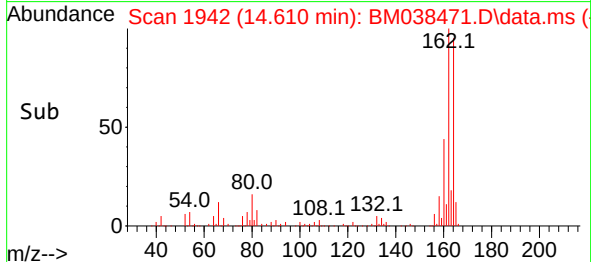
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:164 Resp: 159405
Ion Ratio Lower Upper
164 100
162 105.5 80.9 121.3
160 46.7 37.4 56.0

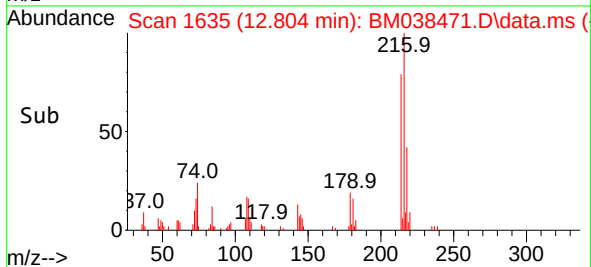
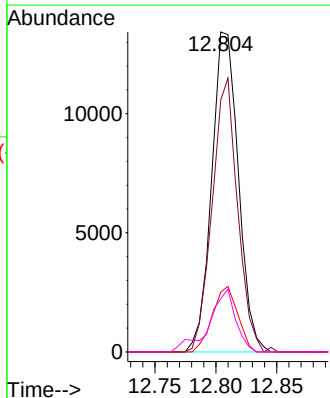
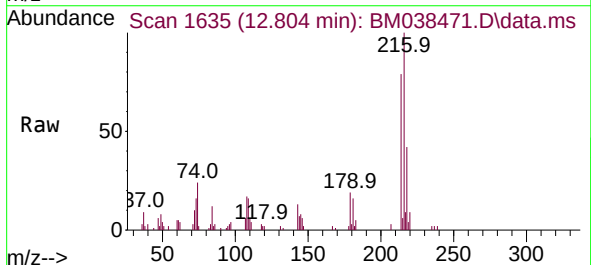
Manual Integrations
APPROVED

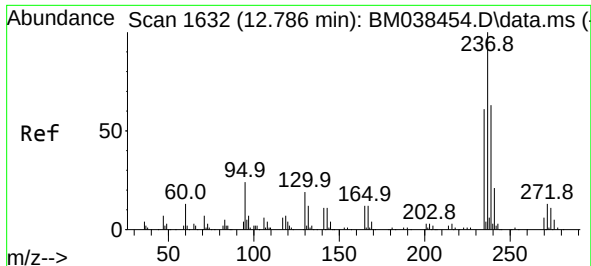
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.436 ng
RT: 12.804 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

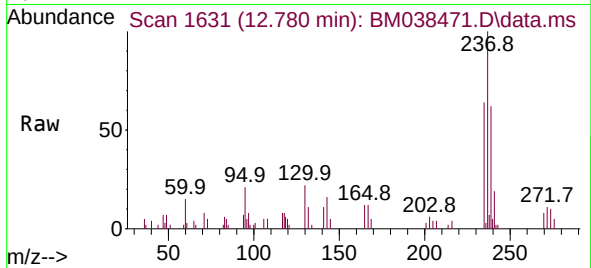
Tgt Ion:216 Resp: 20499
Ion Ratio Lower Upper
216 100
214 81.3 61.4 92.0
179 19.3 15.3 22.9
108 19.5 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 4.152 ng
RT: 12.780 min Scan# 1632
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

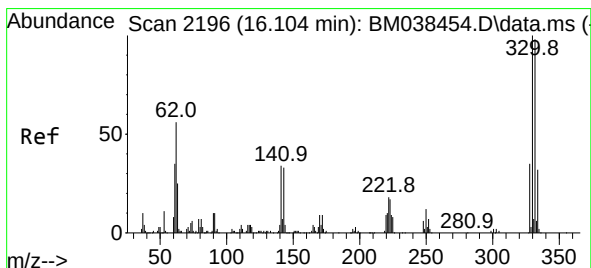
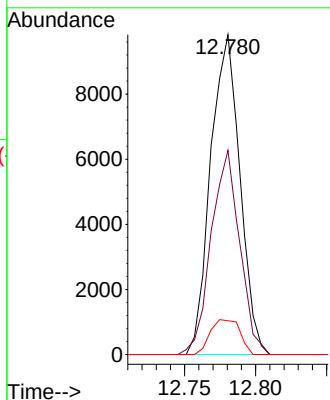
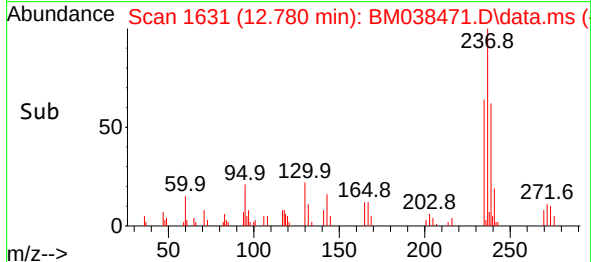
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 237 Resp: 14086
Ion Ratio Lower Upper
237 100
235 63.8 40.9 80.9
272 10.6 0.0 32.6

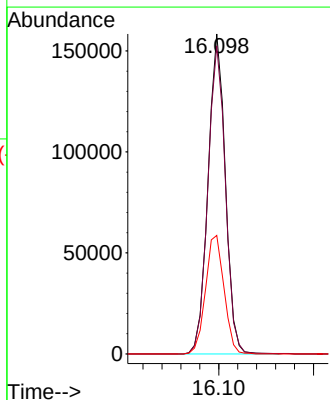
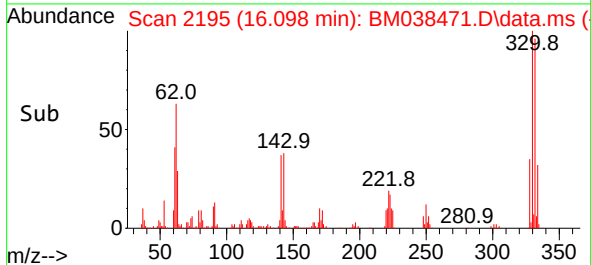
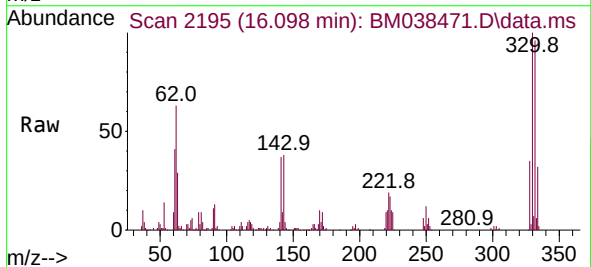
Manual Integrations
APPROVED

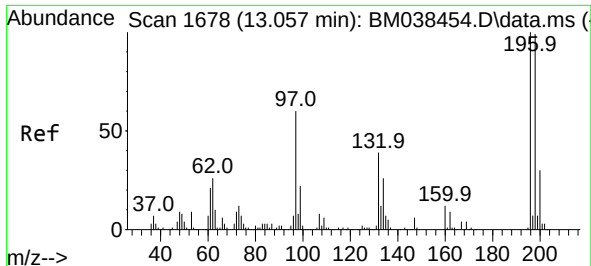
Reviewed By : Christian Giraldo 01/24/2023
Supervised By : Jagrut Upadhyay 01/27/2023



#42
2,4,6-Tribromophenol
Concen: 74.596 ng
RT: 16.098 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

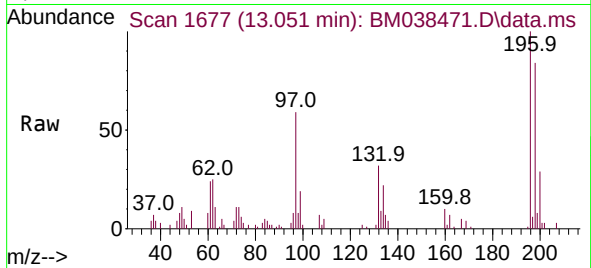
Tgt Ion: 330 Resp: 201018
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.4
141 39.6 28.1 42.1





#43
2,4,6-Trichlorophenol
Concen: 4.206 ng
RT: 13.051 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

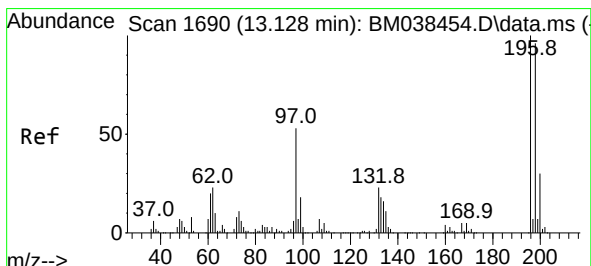
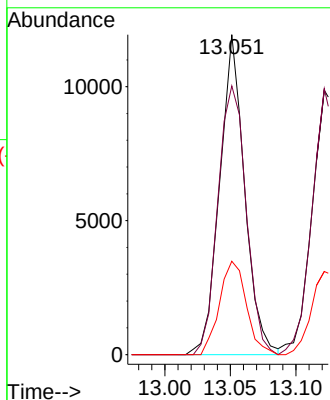
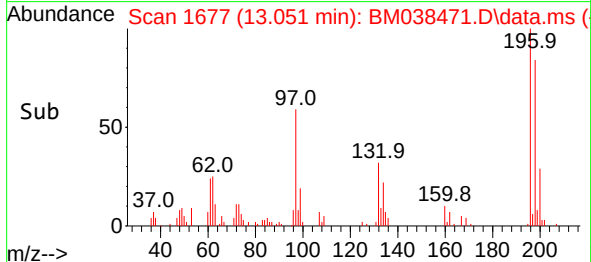
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



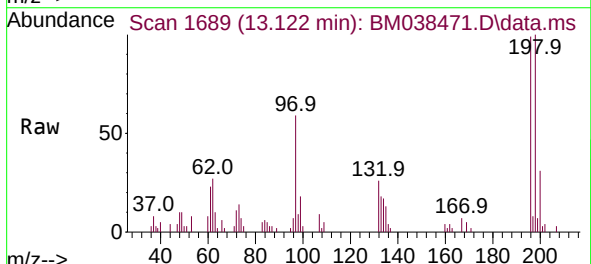
Tgt Ion:196 Resp: 15862
Ion Ratio Lower Upper
196 100
198 84.0 78.8 118.2
200 29.2 24.4 36.6

Manual Integrations
APPROVED

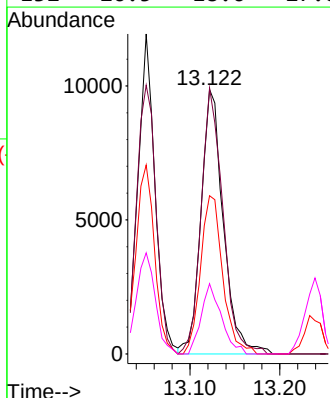
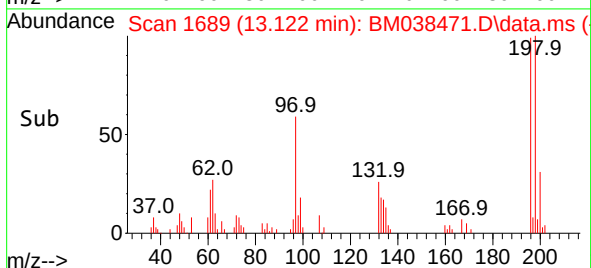
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

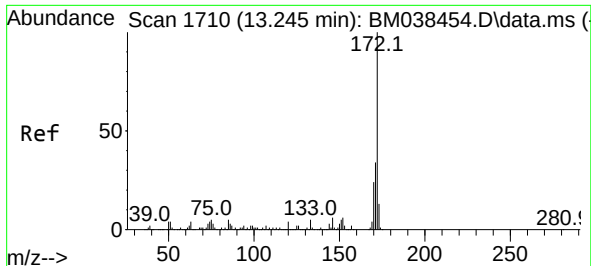


#44
2,4,5-Trichlorophenol
Concen: 3.834 ng
RT: 13.122 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21



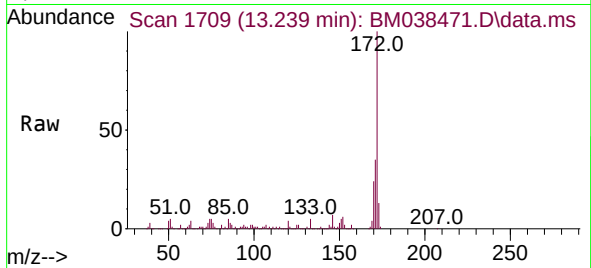
Tgt Ion:196 Resp: 17050
Ion Ratio Lower Upper
196 100
198 100.6 77.4 116.2
97 59.8 42.4 63.6
132 26.5 18.6 27.8





#45
2-Fluorobiphenyl
Concen: 58.855 ng
RT: 13.239 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

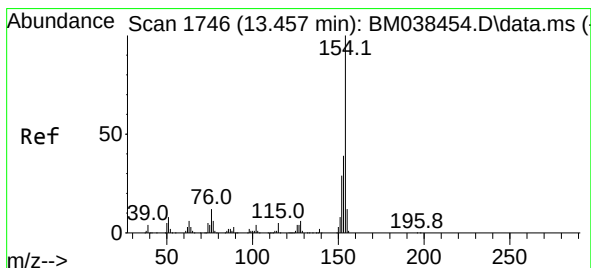
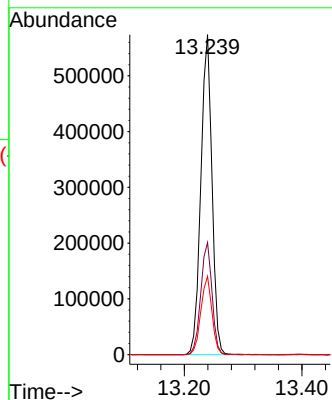
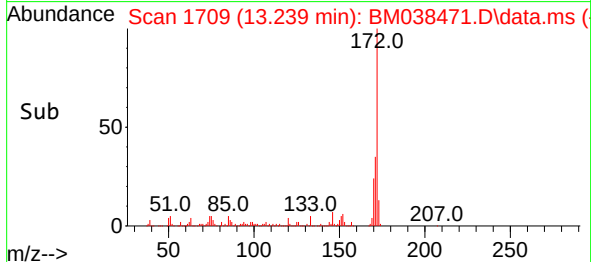
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:172 Resp: 752282
Ion Ratio Lower Upper
172 100
171 35.0 27.5 41.3
170 24.5 19.0 28.6

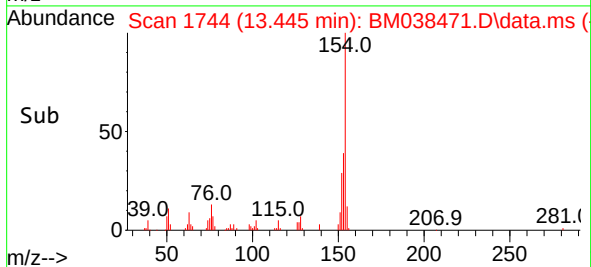
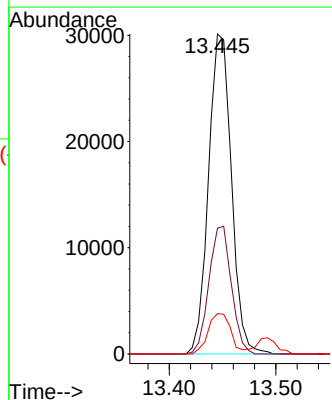
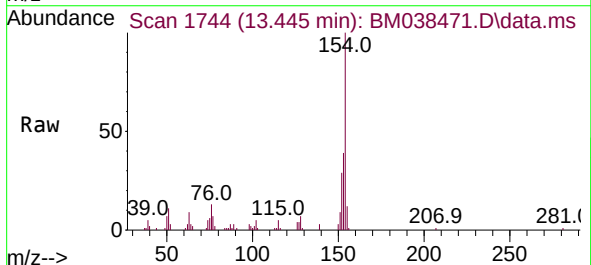
Manual Integrations
APPROVED

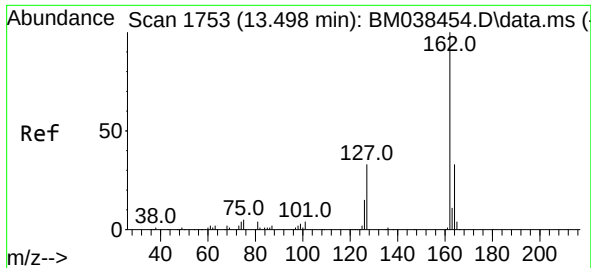
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#46
1,1'-Biphenyl
Concen: 3.639 ng
RT: 13.445 min Scan# 1744
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

Tgt Ion:154 Resp: 45006
Ion Ratio Lower Upper
154 100
153 39.3 19.3 59.3
76 12.6 0.0 32.2





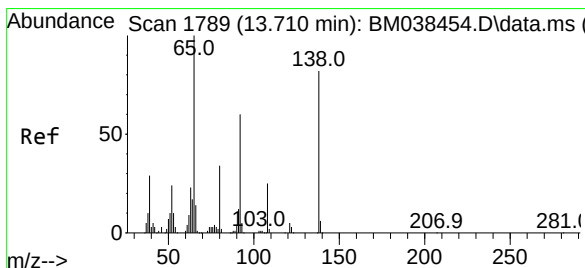
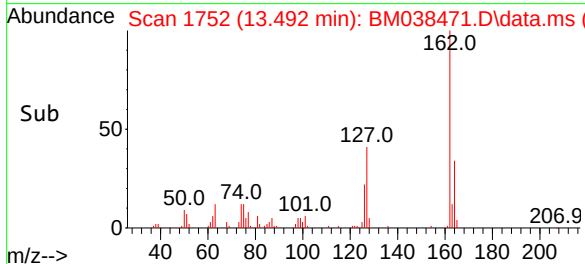
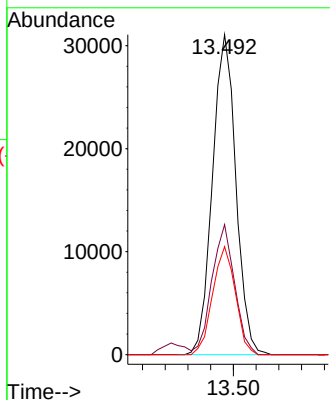
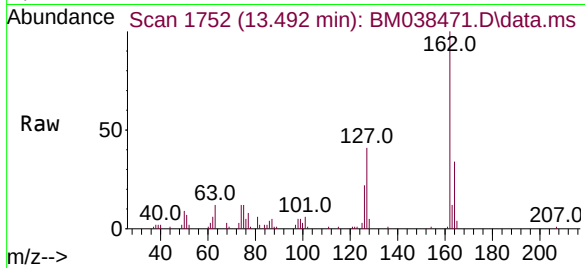
#47
2-Chloronaphthalene
Concen: 4.568 ng
RT: 13.492 min Scan# 1752
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

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

Tgt Ion:162 Resp: 44463
Ion Ratio Lower Upper
162 100
127 40.6 29.5 44.3
164 33.7 26.2 39.4

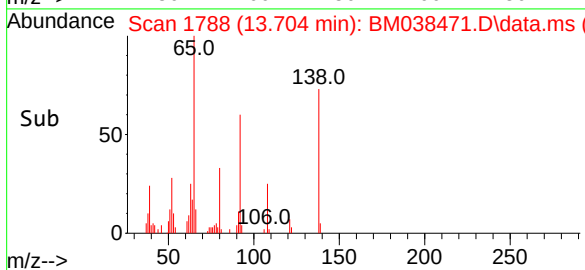
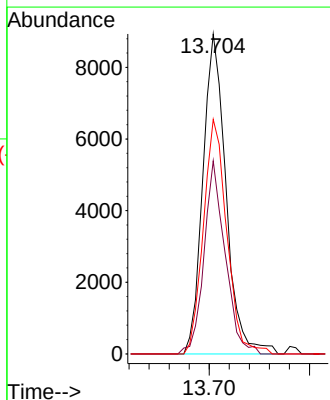
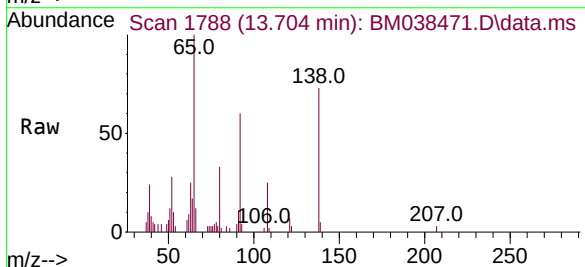
Manual Integrations
APPROVED

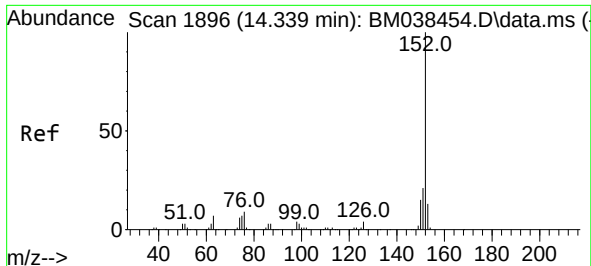
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#48
2-Nitroaniline
Concen: 5.780 ng
RT: 13.704 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

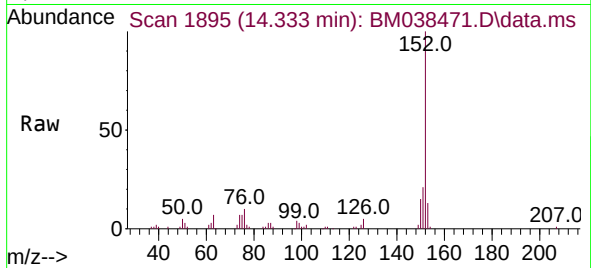
Tgt Ion: 65 Resp: 14276
Ion Ratio Lower Upper
65 100
92 60.3 47.6 71.4
138 73.3 65.8 98.8





#49
Acenaphthylene
Concen: 4.236 ng
RT: 14.333 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

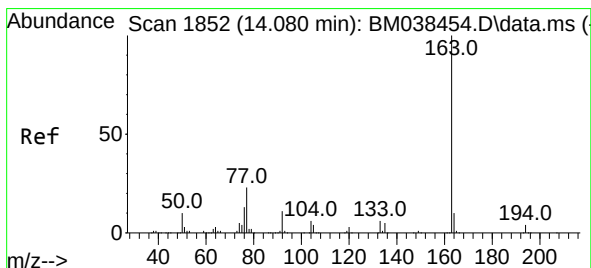
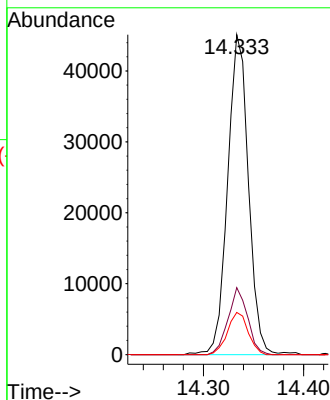
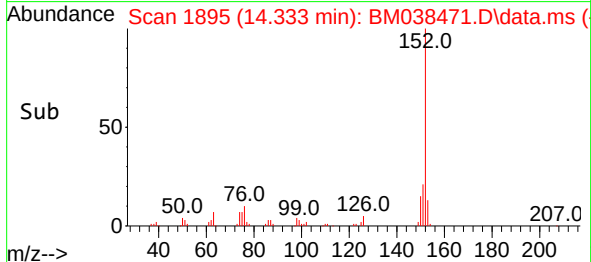
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:152 Resp: 65010
Ion Ratio Lower Upper
152 100
151 20.9 16.4 24.6
153 13.2 10.6 15.8

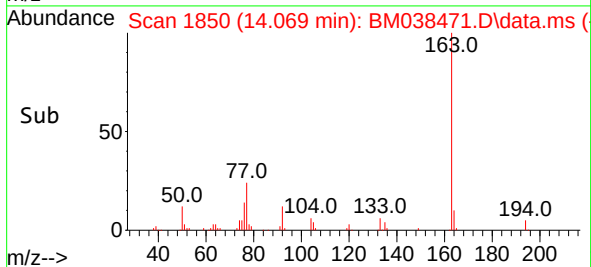
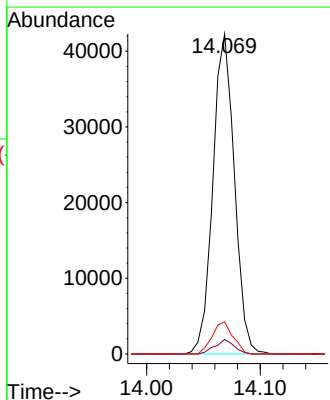
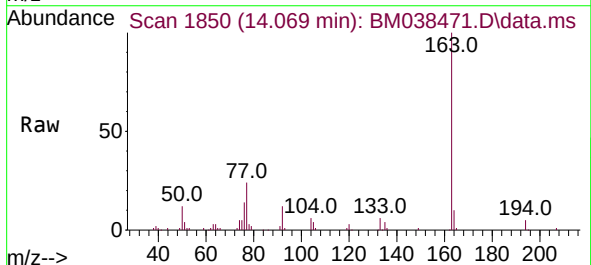
Manual Integrations
APPROVED

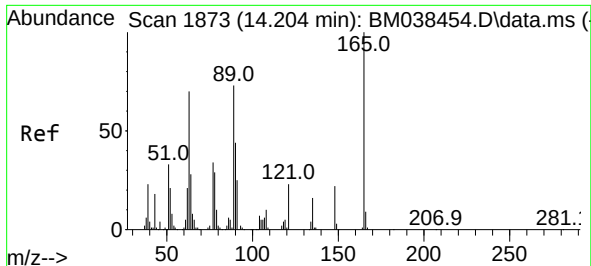
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#50
Dimethylphthalate
Concen: 4.301 ng
RT: 14.069 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

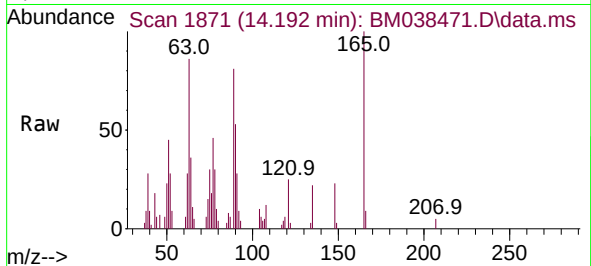
Tgt Ion:163 Resp: 55563
Ion Ratio Lower Upper
163 100
194 4.5 3.6 5.4
164 10.0 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 3.911 ng
RT: 14.192 min Scan# 1873
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

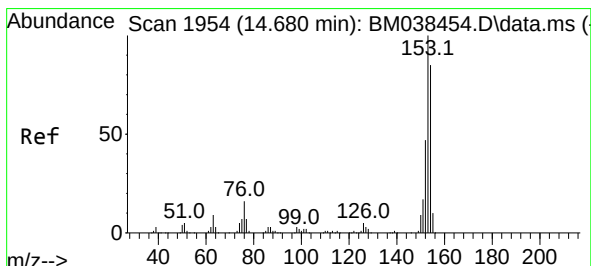
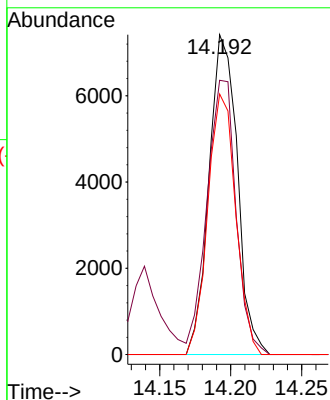
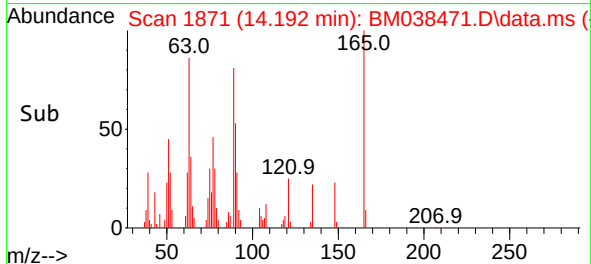
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



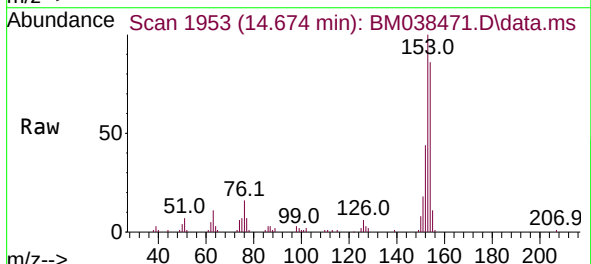
Tgt Ion:165 Resp: 10278
Ion Ratio Lower Upper
165 100
63 85.7 60.9 91.3
89 81.4 58.6 87.8

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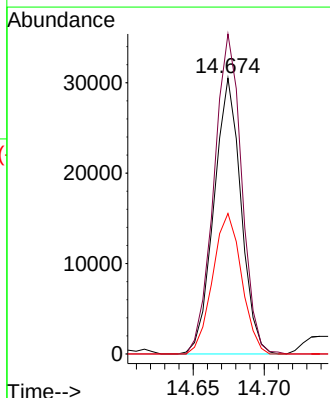
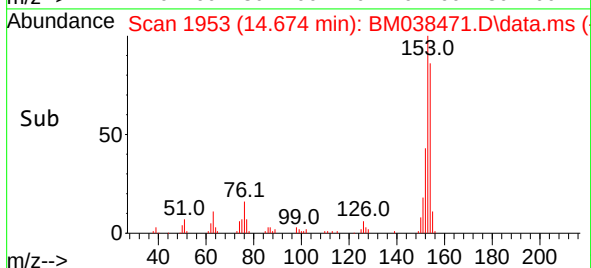
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

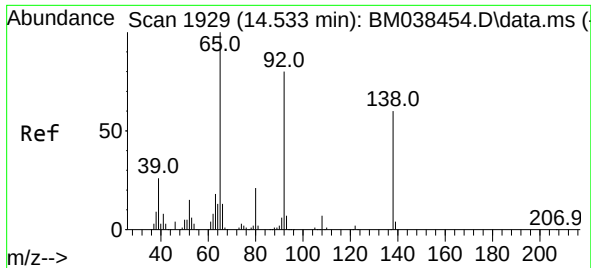


#52
Acenaphthene
Concen: 4.333 ng
RT: 14.674 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21



Tgt Ion:154 Resp: 40408
Ion Ratio Lower Upper
154 100
153 116.0 93.8 140.6
152 50.9 44.2 66.4





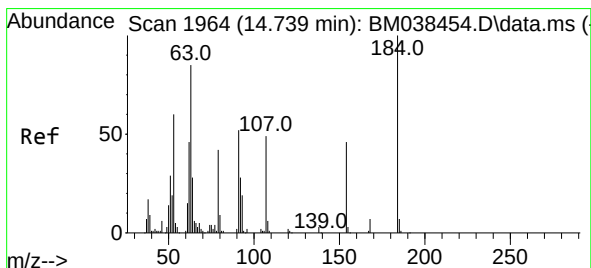
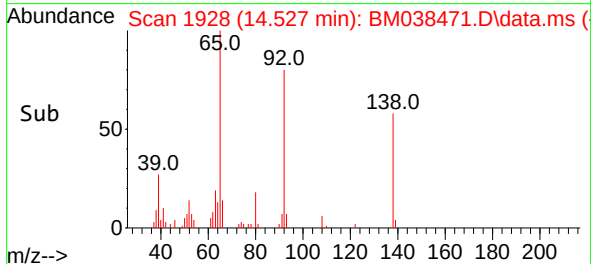
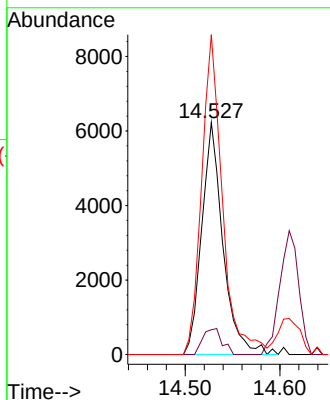
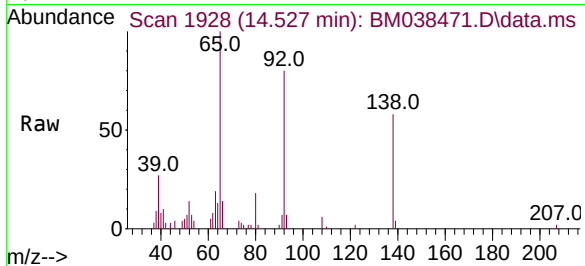
#53
3-Nitroaniline
Concen: 5.823 ng
RT: 14.527 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

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

Tgt Ion:138 Resp: 9715
Ion Ratio Lower Upper
138 100
108 10.7 8.9 13.3
92 137.9 106.4 159.6

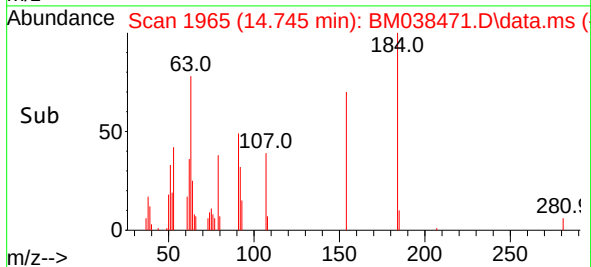
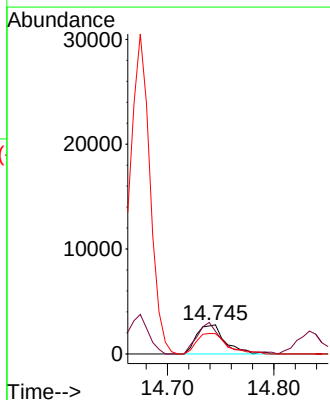
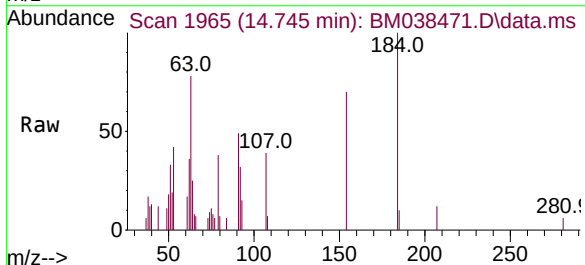
Manual Integrations
APPROVED

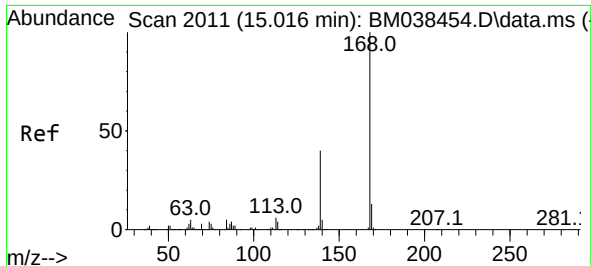
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#54
2,4-Dinitrophenol
Concen: 7.699 ng
RT: 14.745 min Scan# 1965
Delta R.T. 0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

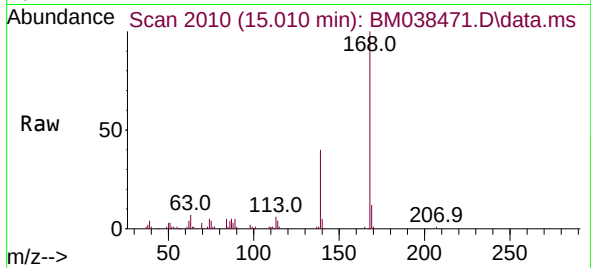
Tgt Ion:184 Resp: 5137
Ion Ratio Lower Upper
184 100
63 77.6 70.0 105.0
154 70.1 55.6 83.4





#55
Dibenzofuran
Concen: 4.318 ng
RT: 15.010 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

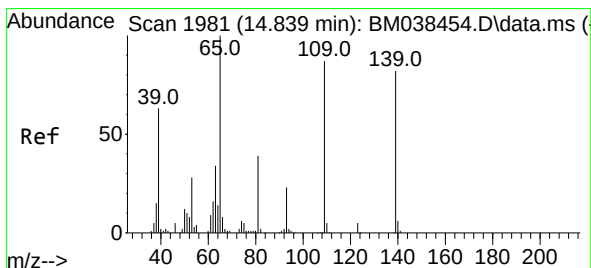
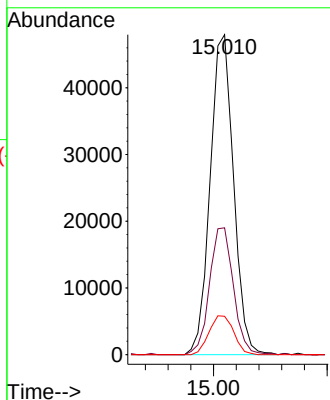
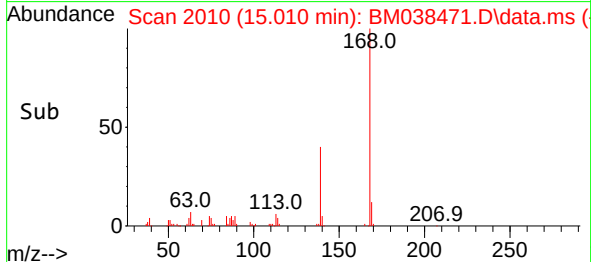
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:168 Resp: 68570
Ion Ratio Lower Upper
168 100
139 39.6 31.9 47.9
169 12.0 10.5 15.7

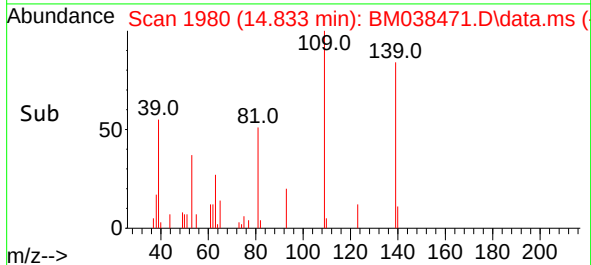
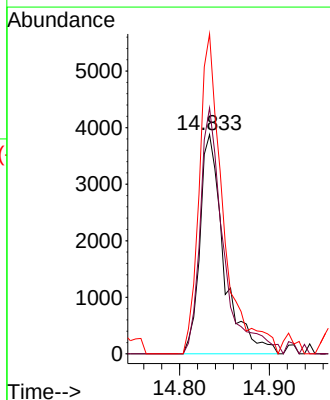
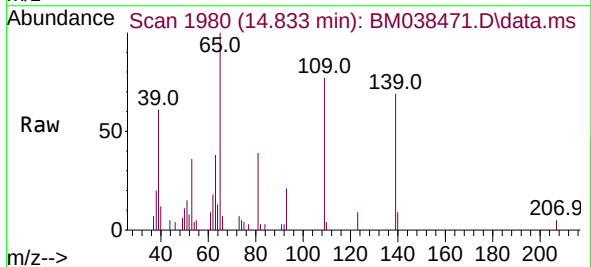
Manual Integrations
APPROVED

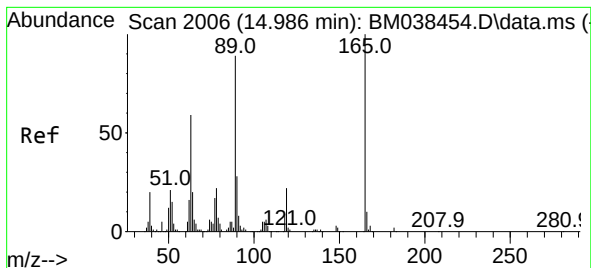
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#56
4-Nitrophenol
Concen: 6.812 ng
RT: 14.833 min Scan# 1980
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

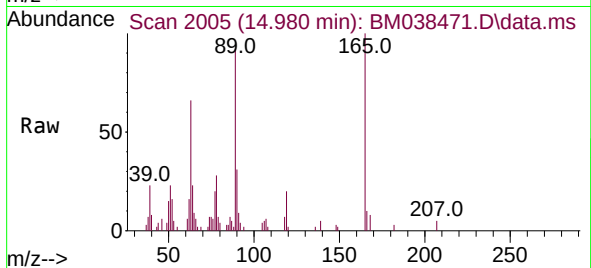
Tgt Ion:139 Resp: 7229
Ion Ratio Lower Upper
139 100
109 112.2 86.0 126.0
65 145.9 102.7 142.7#





#57
2,4-Dinitrotoluene
Concen: 3.631 ng
RT: 14.980 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

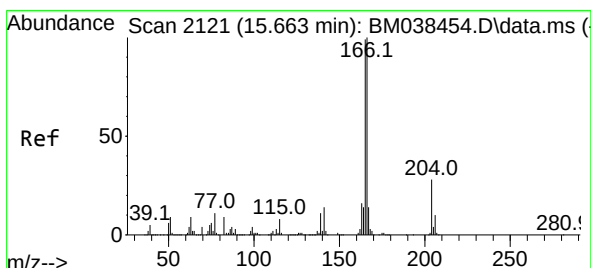
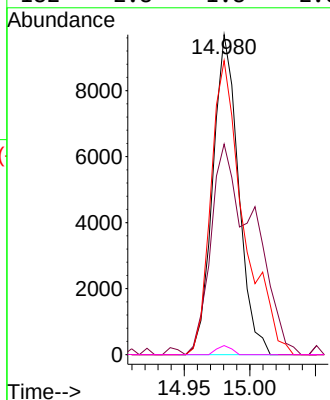
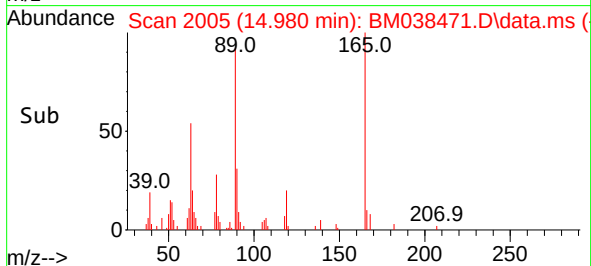
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:165 Resp: 13264
Ion Ratio Lower Upper
165 100
63 65.8 47.7 71.5
89 91.9 71.5 107.3
182 2.8 1.8 2.6#

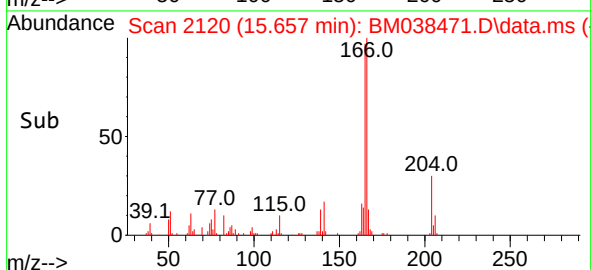
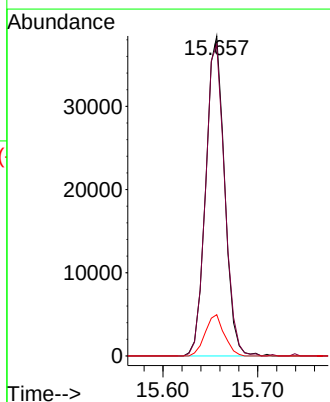
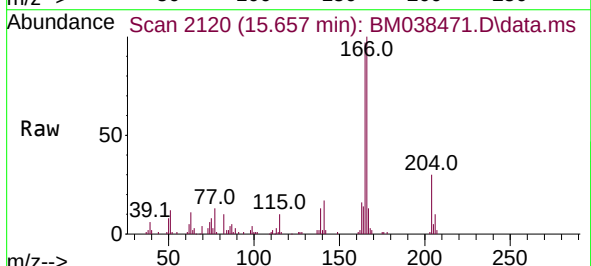
Manual Integrations
APPROVED

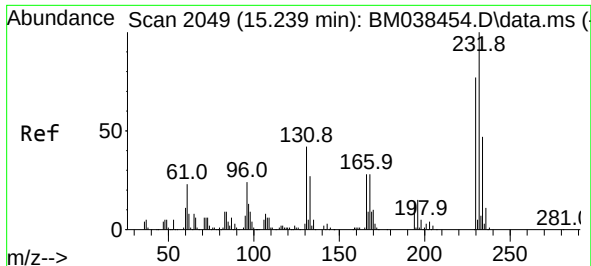
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#58
Fluorene
Concen: 3.987 ng
RT: 15.657 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

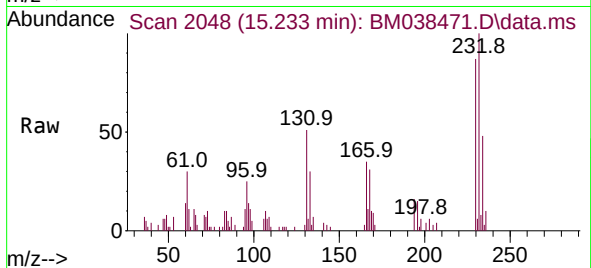
Tgt Ion:166 Resp: 52899
Ion Ratio Lower Upper
166 100
165 97.3 79.2 118.8
167 12.9 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.752 ng
RT: 15.233 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

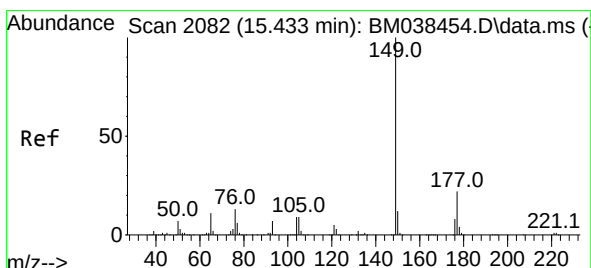
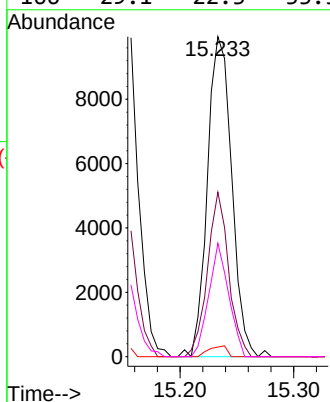
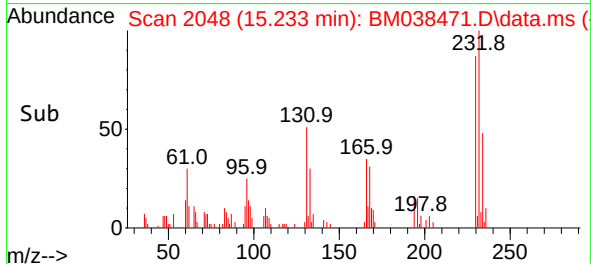
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:232 Resp: 14794
Ion Ratio Lower Upper
232 100
131 44.9 33.8 50.6
130 2.5 1.9 2.9
166 29.1 22.3 33.5

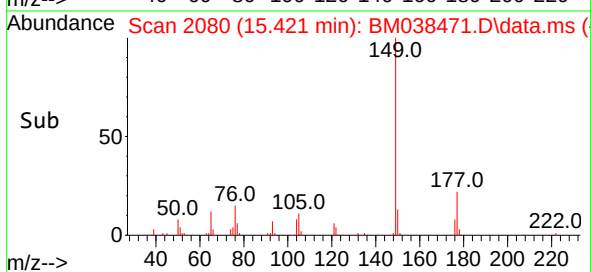
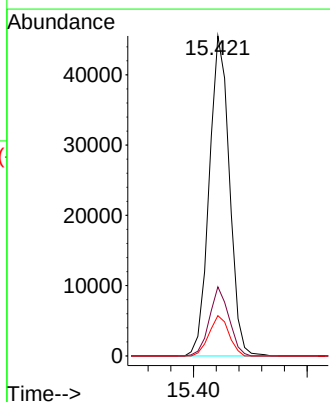
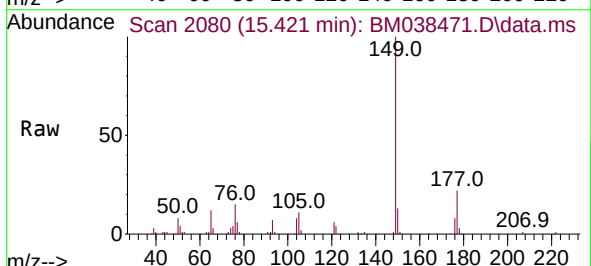
Manual Integrations
APPROVED

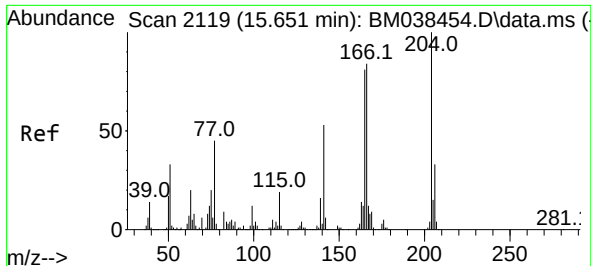
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#60
Diethylphthalate
Concen: 4.240 ng
RT: 15.421 min Scan# 2080
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

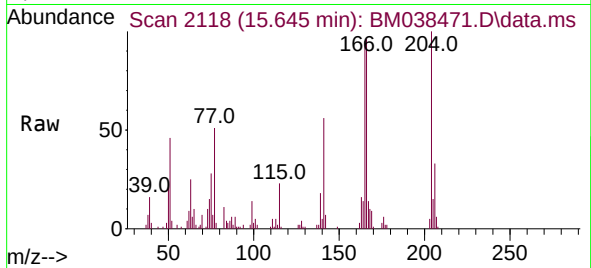
Tgt Ion:149 Resp: 56186
Ion Ratio Lower Upper
149 100
177 21.6 17.8 26.6
150 12.6 9.5 14.3





#61
4-Chlorophenyl-phenylether
Concen: 4.040 ng
RT: 15.645 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

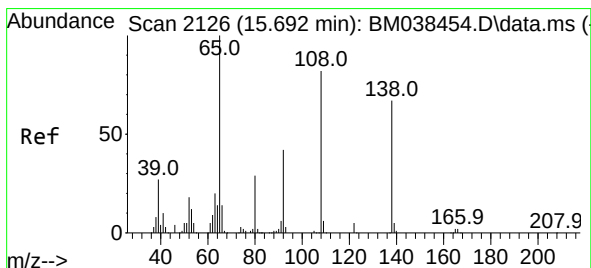
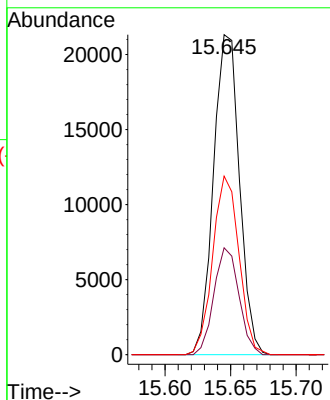
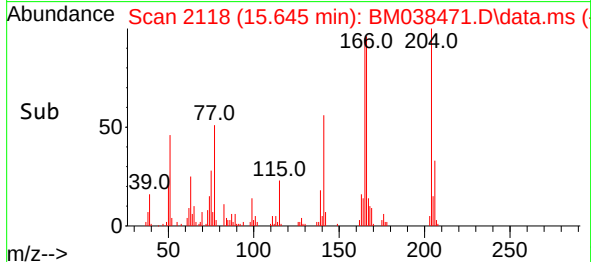
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:204 Resp: 2942
Ion Ratio Lower Upper
204 100
206 33.4 26.2 39.4
141 55.8 42.5 63.7

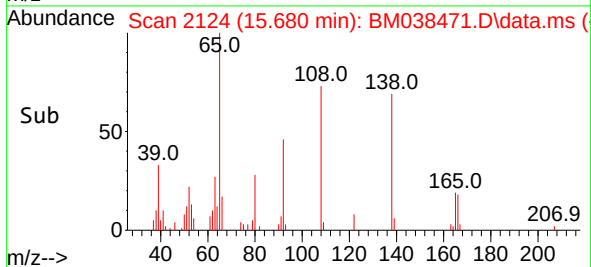
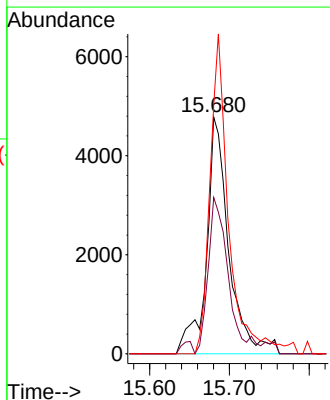
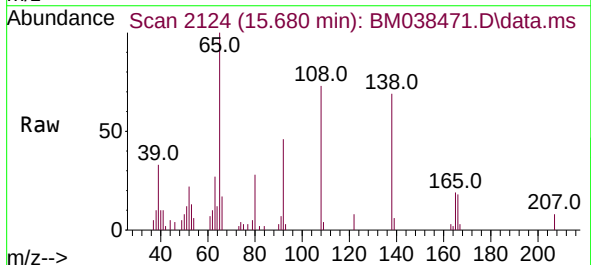
Manual Integrations
APPROVED

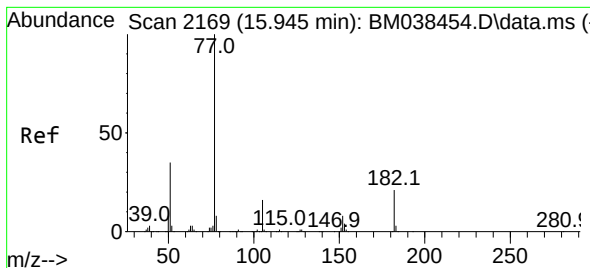
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#62
4-Nitroaniline
Concen: 5.773 ng m
RT: 15.680 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

Tgt Ion:138 Resp: 9309
Ion Ratio Lower Upper
138 100
92 66.1 42.1 82.1
108 105.1 102.5 142.5





#63

Azobenzene

Concen: 4.369 ng

RT: 15.939 min Scan# 2169

Delta R.T. -0.006 min

Lab File: BM038471.D

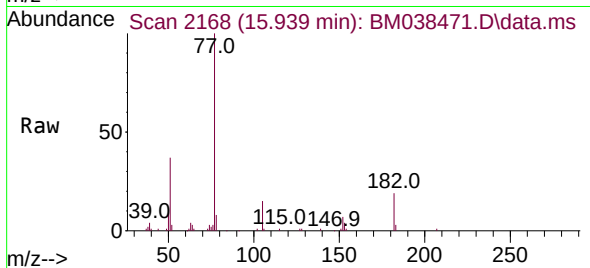
Acq: 17 Jan 2023 19:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion: 77 Resp: 63705

Ion Ratio Lower Upper

77 100

182 18.6 1.1 41.1

105 14.9 0.0 36.4

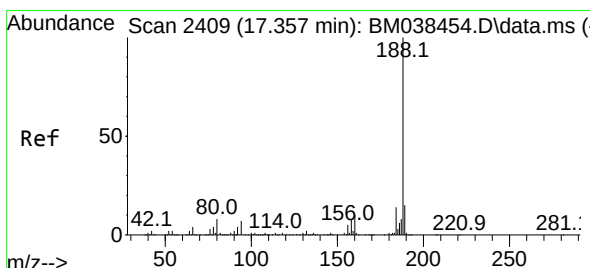
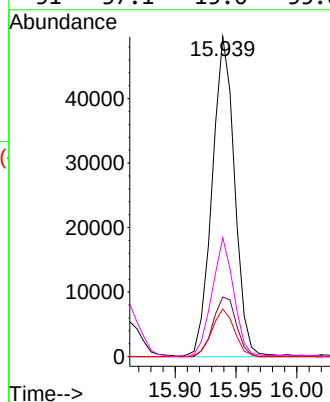
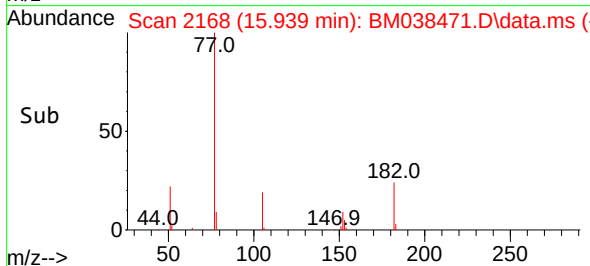
51 37.1 15.0 55.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.351 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BM038471.D

Acq: 17 Jan 2023 19:21

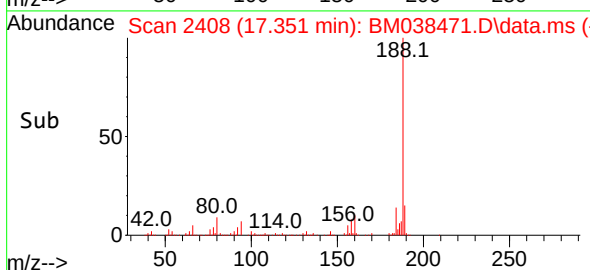
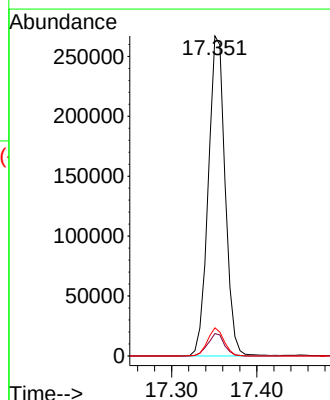
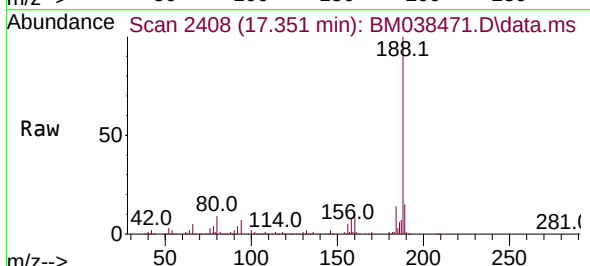
Tgt Ion:188 Resp: 366609

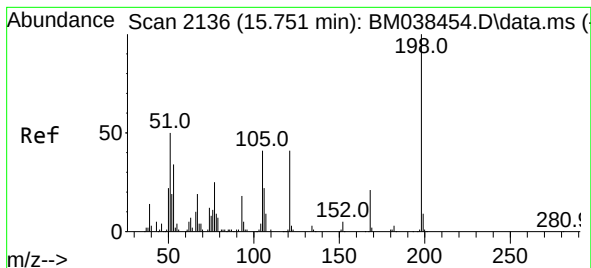
Ion Ratio Lower Upper

188 100

94 7.0 5.4 8.0

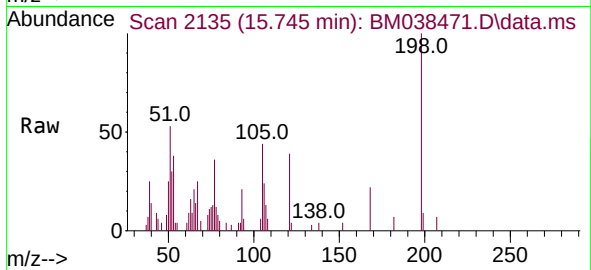
80 8.8 6.5 9.7





#65
4,6-Dinitro-2-methylphenol
Concen: 3.225 ng
RT: 15.745 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

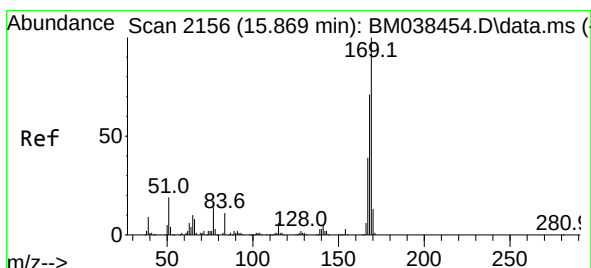
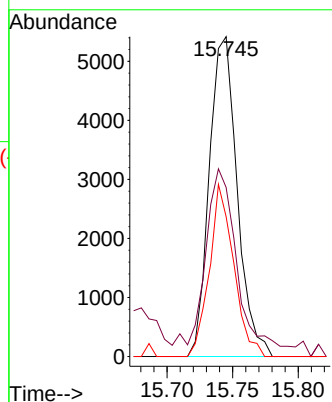
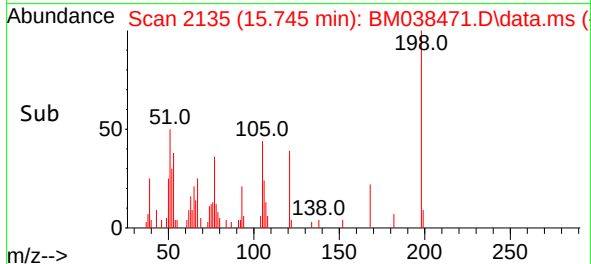
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



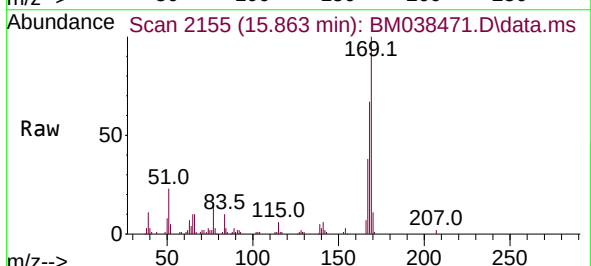
Tgt Ion:198 Resp: 8024
Ion Ratio Lower Upper
198 100
51 52.9 31.6 71.6
105 43.7 21.5 61.5

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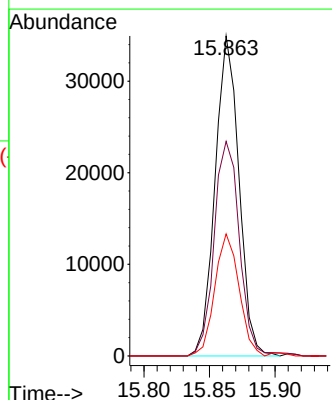
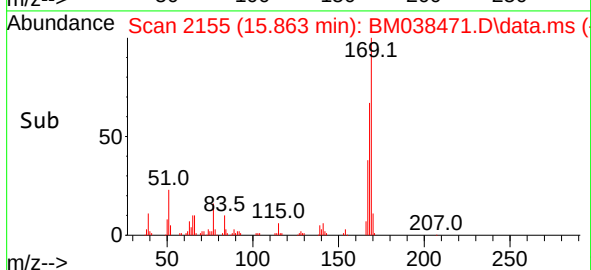
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

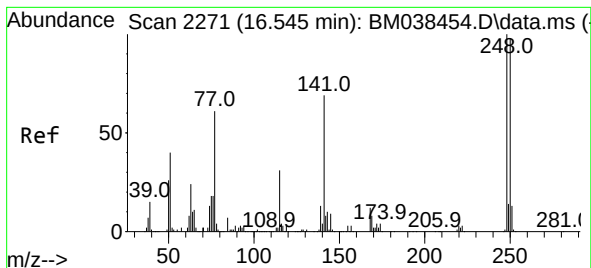


#66
n-Nitrosodiphenylamine
Concen: 4.117 ng
RT: 15.863 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21



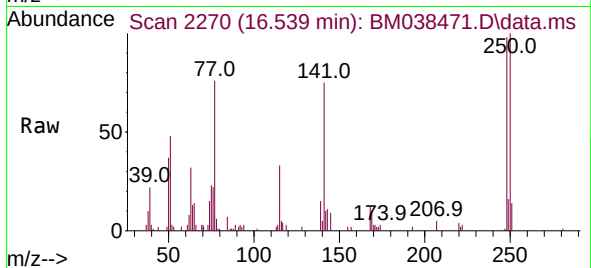
Tgt Ion:169 Resp: 44282
Ion Ratio Lower Upper
169 100
168 67.0 56.6 85.0
167 38.1 31.1 46.7





#67
4-Bromophenyl-phenylether
Concen: 4.033 ng
RT: 16.539 min Scan# 211
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

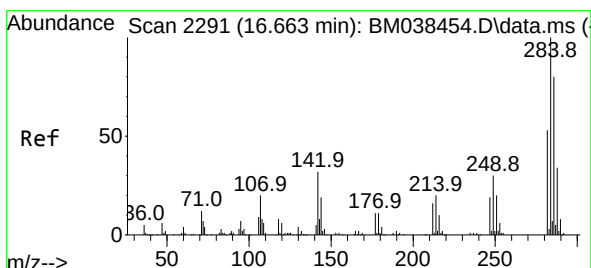
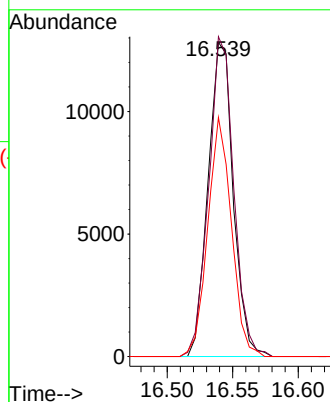
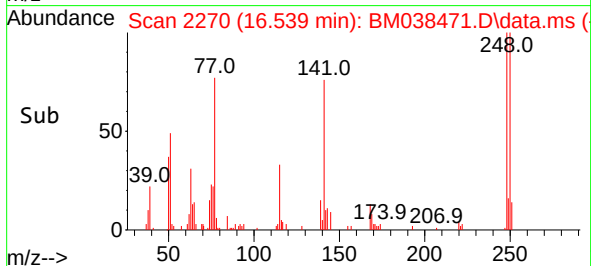
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



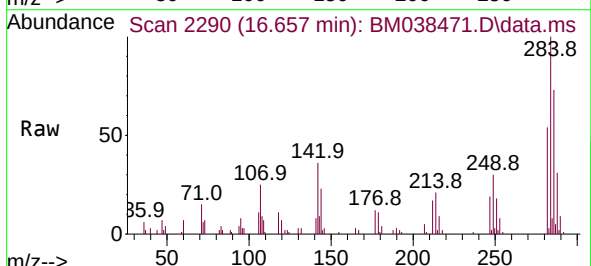
Tgt Ion:248 Resp: 17102
Ion Ratio Lower Upper
248 100
250 101.8 78.3 117.5
141 76.1 55.1 82.7

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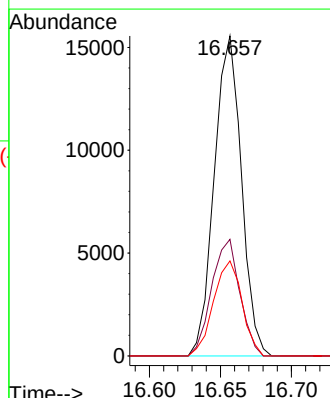
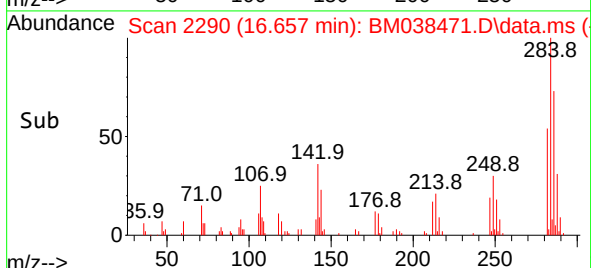
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

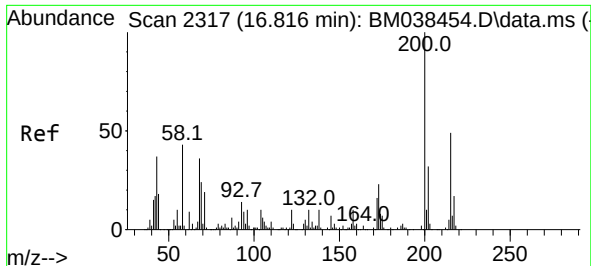


#68
Hexachlorobenzene
Concen: 4.365 ng
RT: 16.657 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21



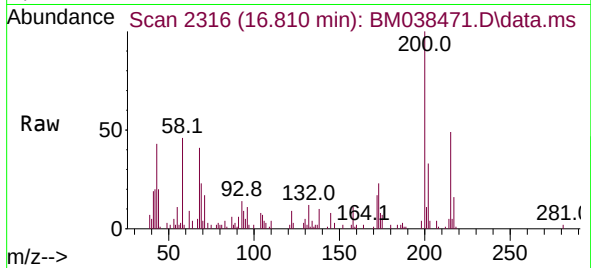
Tgt Ion:284 Resp: 20726
Ion Ratio Lower Upper
284 100
142 36.4 26.0 39.0
249 32.8 23.8 35.8





#69
 Atrazine
 Concen: 5.215 ng
 RT: 16.810 min Scan# 2317
 Delta R.T. -0.006 min
 Lab File: BM038471.D
 Acq: 17 Jan 2023 19:21

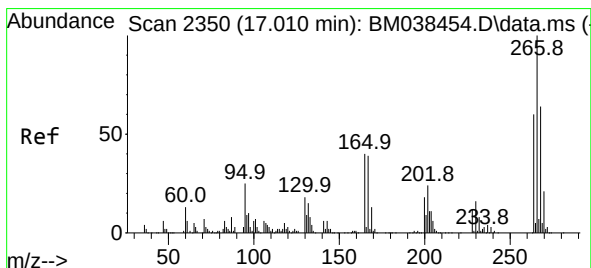
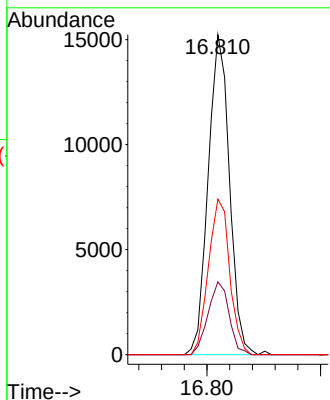
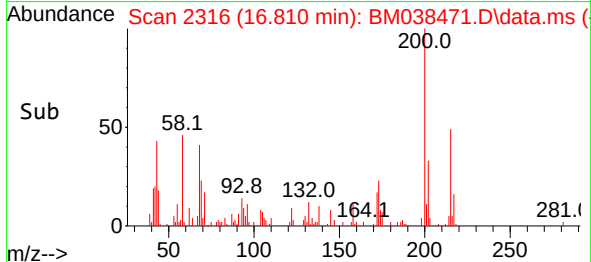
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022



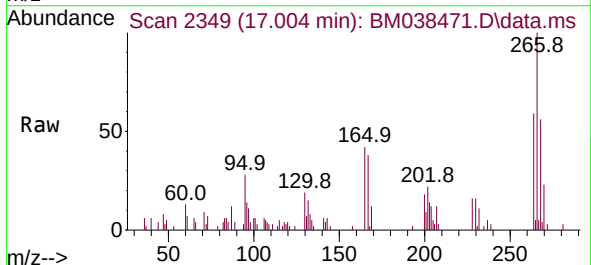
Tgt Ion:200 Resp: 1983
 Ion Ratio Lower Upper
 200 100
 173 22.7 3.4 43.4
 215 48.6 29.3 69.3

Manual Integrations
 APPROVED

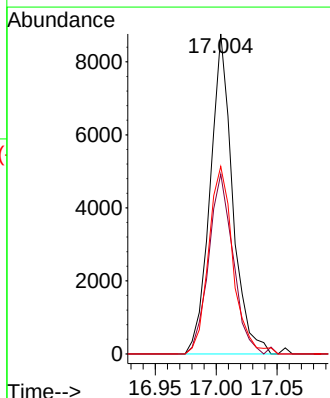
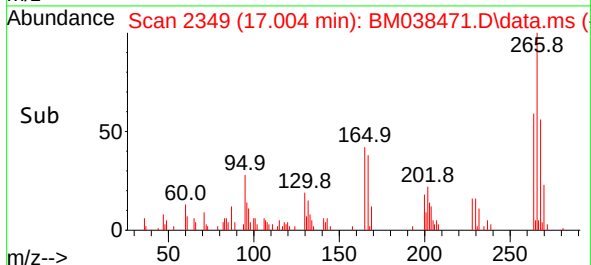
Reviewed By :Christian Giraldo 01/24/2023
 Supervised By :Jagrut Upadhyay 01/27/2023

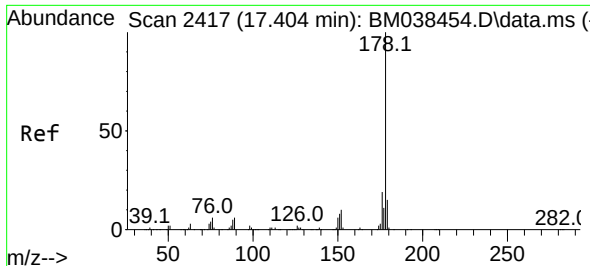


#70
 Pentachlorophenol
 Concen: 3.244 ng
 RT: 17.004 min Scan# 2349
 Delta R.T. -0.006 min
 Lab File: BM038471.D
 Acq: 17 Jan 2023 19:21



Tgt Ion:266 Resp: 11246
 Ion Ratio Lower Upper
 266 100
 268 56.2 51.4 77.0
 264 58.6 48.2 72.2





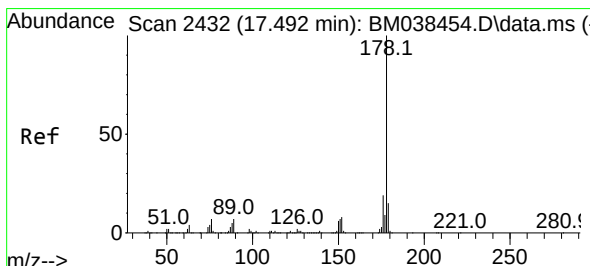
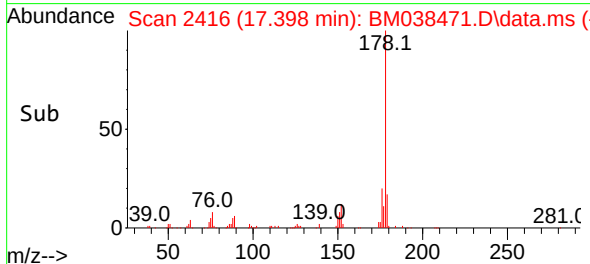
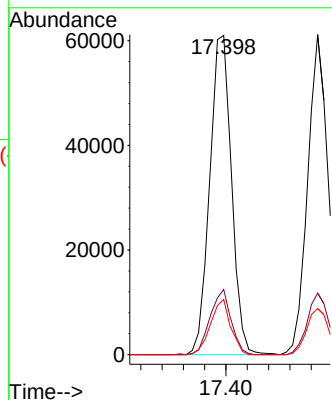
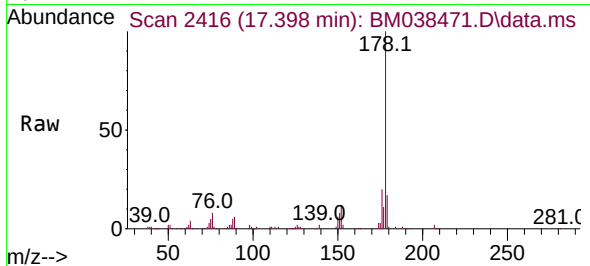
#71
Phenanthrene
Concen: 4.272 ng
RT: 17.398 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

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

Tgt Ion:178 Resp: 86641
Ion Ratio Lower Upper
178 100
176 20.4 15.4 23.0
179 17.3 12.1 18.1

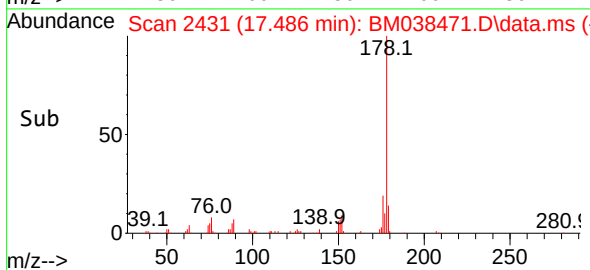
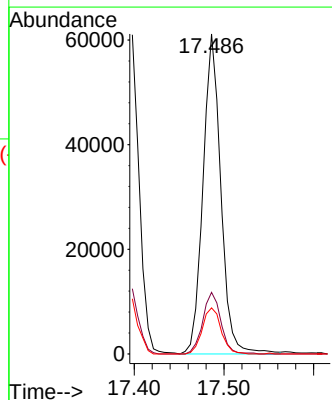
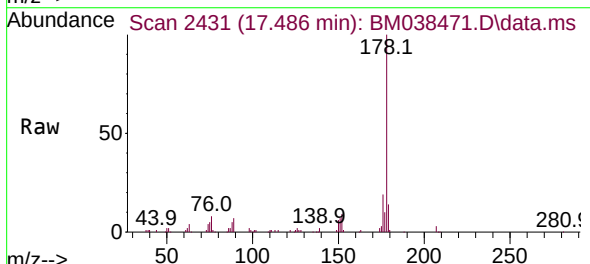
Manual Integrations
APPROVED

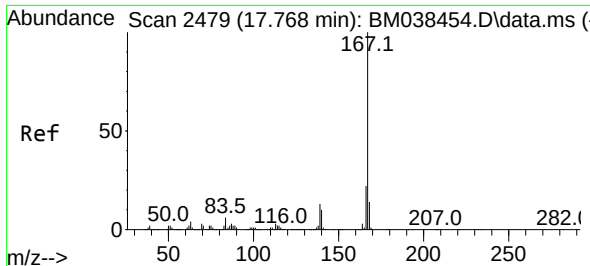
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#72
Anthracene
Concen: 4.053 ng
RT: 17.486 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

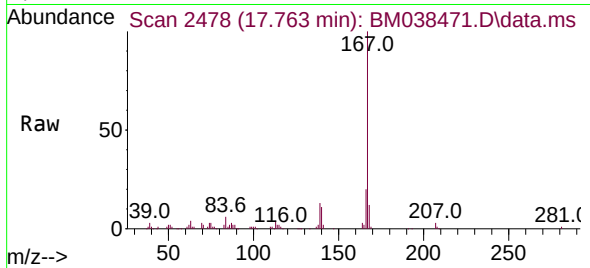
Tgt Ion:178 Resp: 84478
Ion Ratio Lower Upper
178 100
176 19.2 15.0 22.6
179 14.4 12.2 18.2





#73
Carbazole
Concen: 4.086 ng
RT: 17.763 min Scan# 2479
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

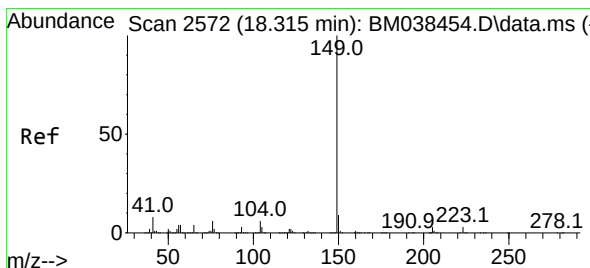
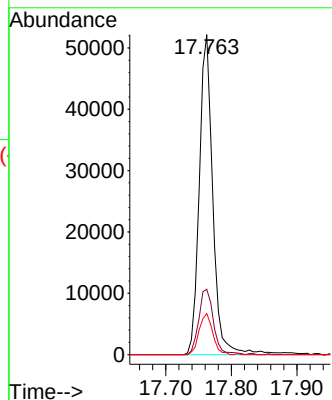
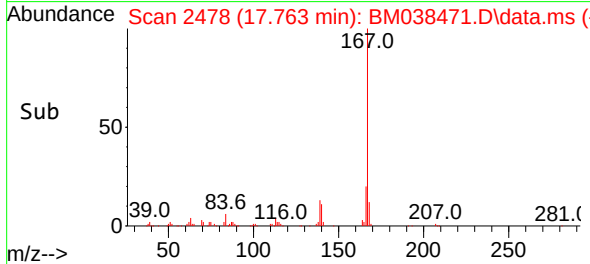
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



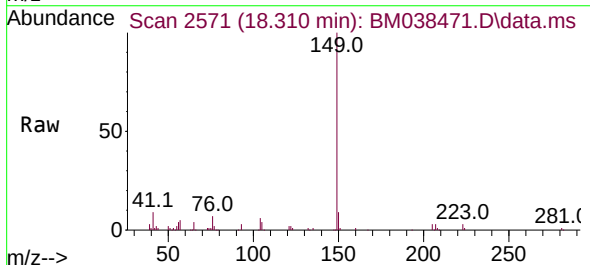
Tgt Ion:167 Resp: 74473
Ion Ratio Lower Upper
167 100
166 20.4 17.4 26.0
139 12.8 10.1 15.1

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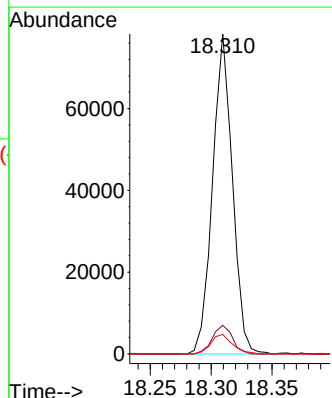
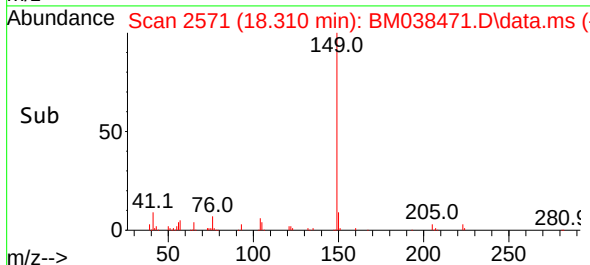
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

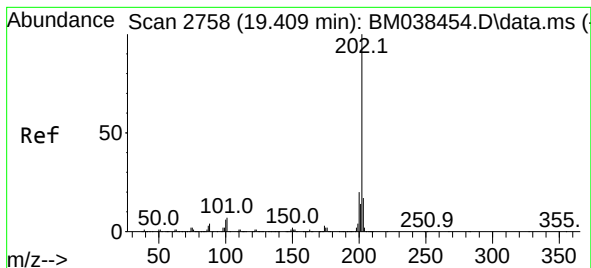


#74
Di-n-butylphthalate
Concen: 4.093 ng
RT: 18.310 min Scan# 2571
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21



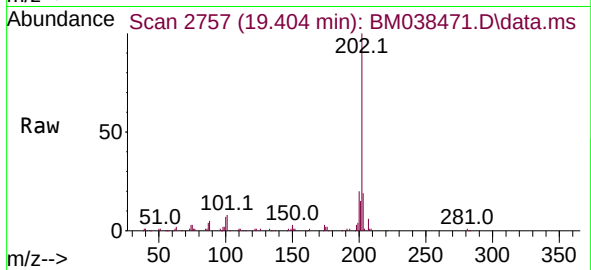
Tgt Ion:149 Resp: 88614
Ion Ratio Lower Upper
149 100
150 8.9 7.4 11.2
104 6.1 4.7 7.1





#75
Fluoranthene
Concen: 4.046 ng
RT: 19.404 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

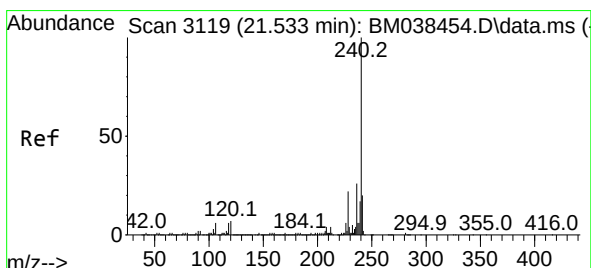
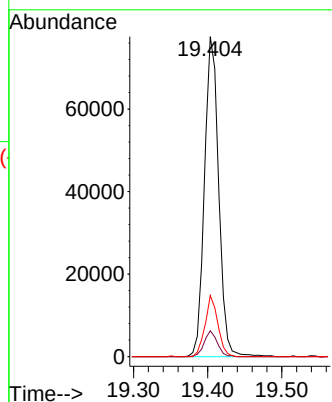
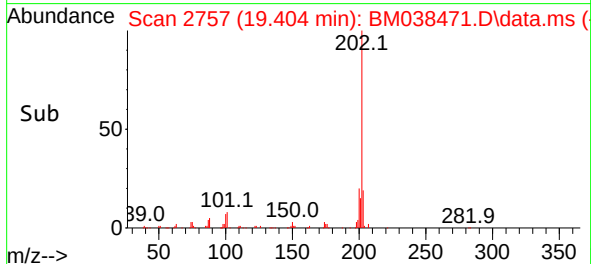
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:202 Resp: 103162
Ion Ratio Lower Upper
202 100
101 8.1 0.0 27.4
203 19.1 0.0 37.1

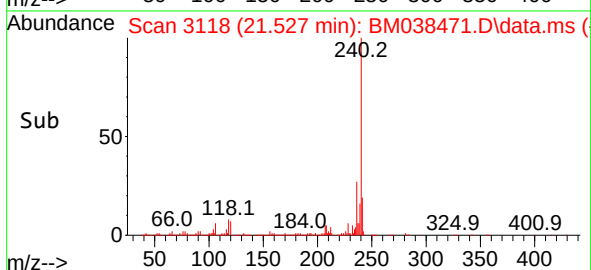
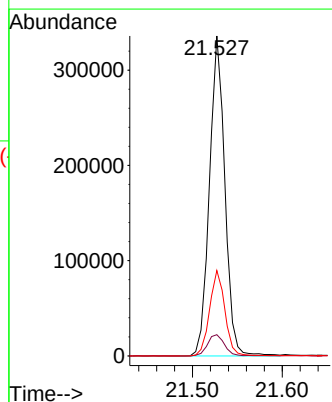
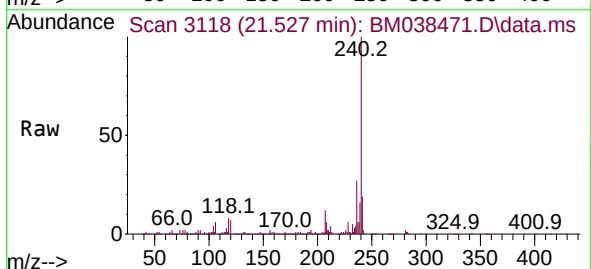
Manual Integrations
APPROVED

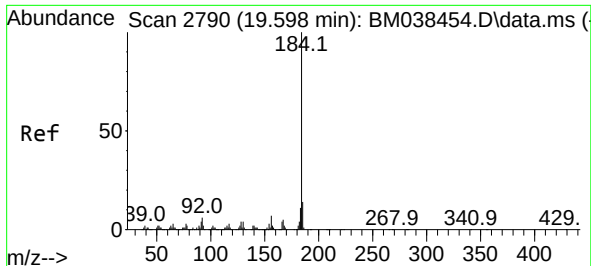
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

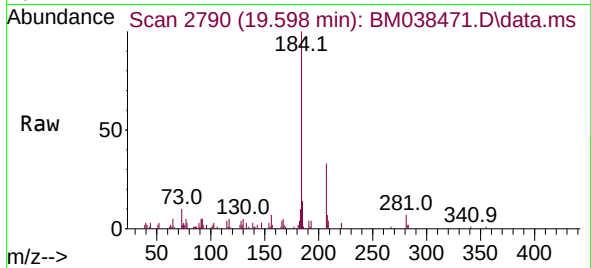
Tgt Ion:240 Resp: 403166
Ion Ratio Lower Upper
240 100
120 6.6 5.6 8.4
236 26.7 21.0 31.4





#77
Benzidine
Concen: 3.537 ng
RT: 19.598 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

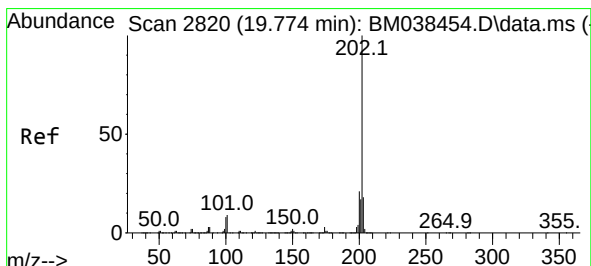
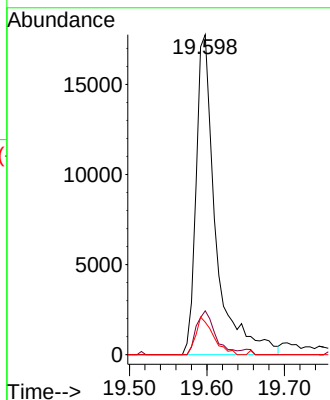
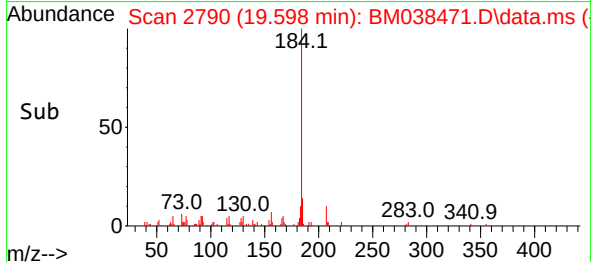
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:184 Resp: 3124
Ion Ratio Lower Upper
184 100
185 13.7 11.1 16.7
183 10.1 8.6 13.0

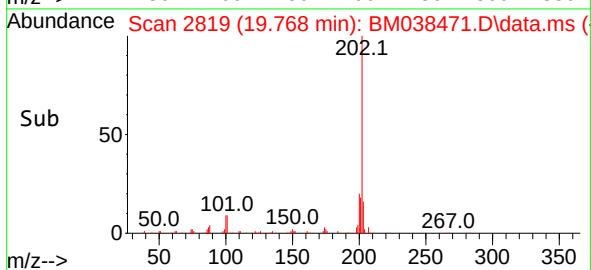
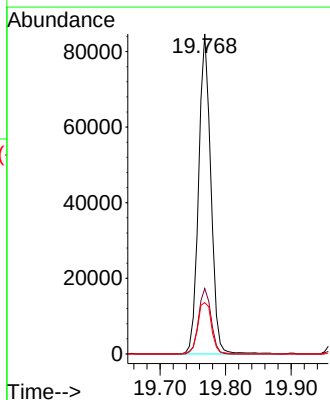
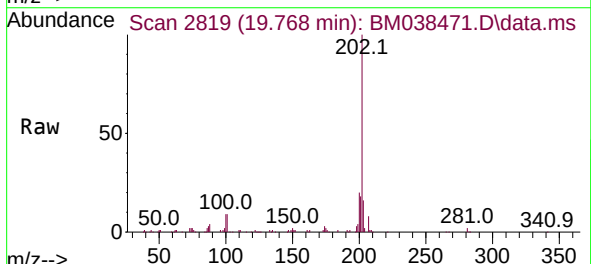
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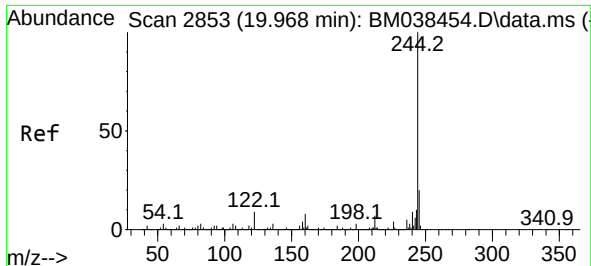
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#78
Pyrene
Concen: 4.056 ng
RT: 19.768 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

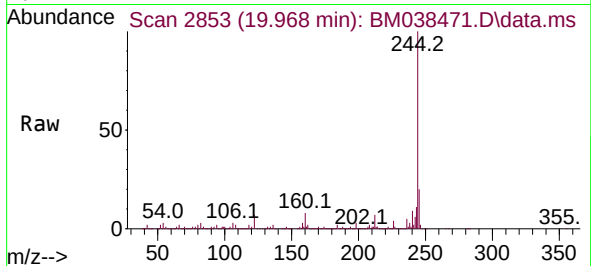
Tgt Ion:202 Resp: 108823
Ion Ratio Lower Upper
202 100
200 20.4 16.9 25.3
203 16.0 14.2 21.2





#79
 Terphenyl-d14
 Concen: 65.504 ng
 RT: 19.968 min Scan# 2853
 Delta R.T. 0.000 min
 Lab File: BM038471.D
 Acq: 17 Jan 2023 19:21

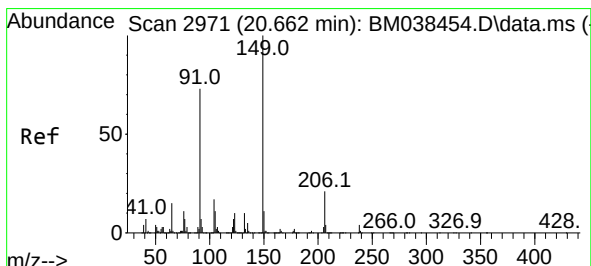
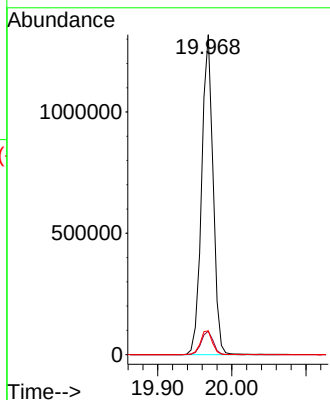
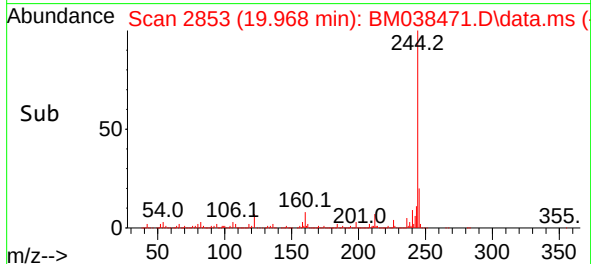
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022



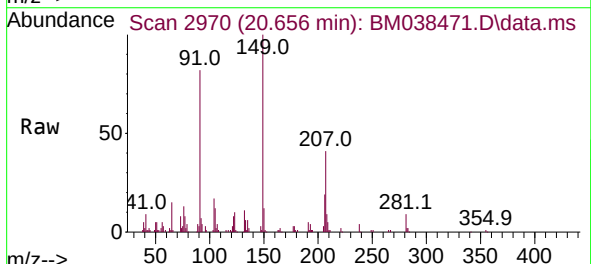
Tgt Ion:244 Resp: 1410708
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 7.4 7.1 10.7

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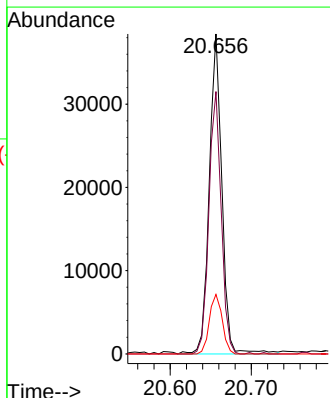
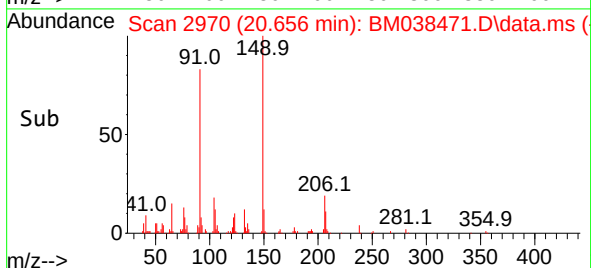
Reviewed By :Christian Giraldo 01/24/2023
 Supervised By :Jagrut Upadhyay 01/27/2023

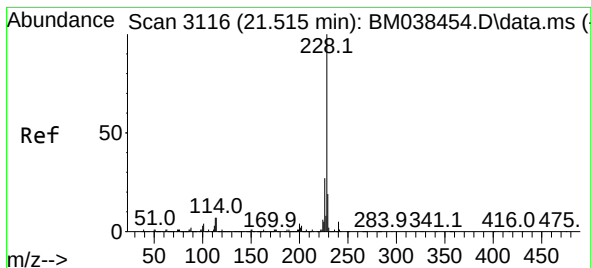


#80
 Butylbenzylphthalate
 Concen: 4.251 ng
 RT: 20.656 min Scan# 2970
 Delta R.T. -0.006 min
 Lab File: BM038471.D
 Acq: 17 Jan 2023 19:21



Tgt Ion:149 Resp: 41689
 Ion Ratio Lower Upper
 149 100
 91 82.0 58.3 87.5
 206 18.6 16.7 25.1





#81

Benzo(a)anthracene

Concen: 4.444 ng

RT: 21.509 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BM038471.D

Acq: 17 Jan 2023 19:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

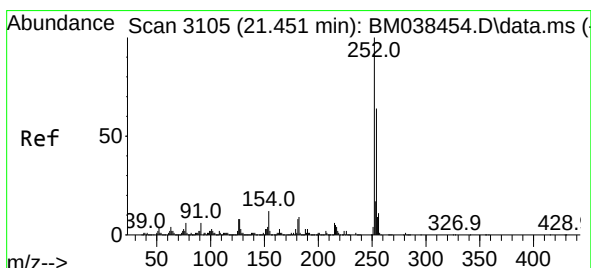
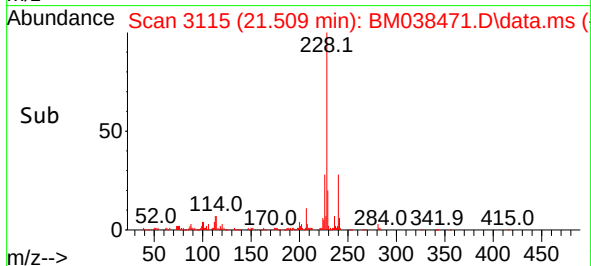
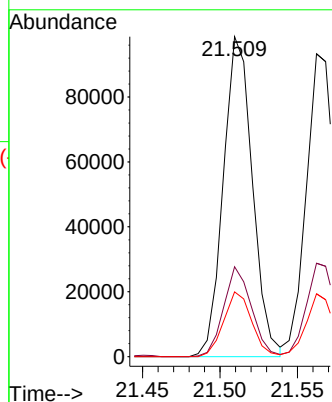
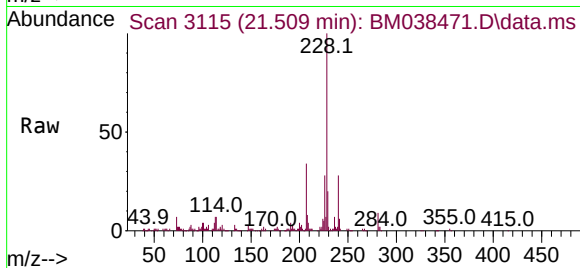
Tgt Ion:	228	Resp:	128854
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.0	33.0
229	20.2	15.4	23.0

Manual Integrations

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Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#82

3,3'-Dichlorobenzidine

Concen: 3.638 ng

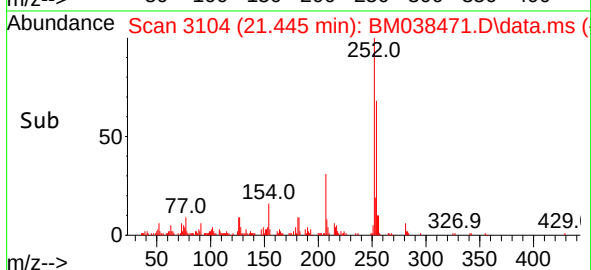
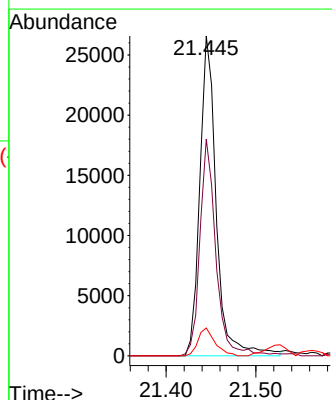
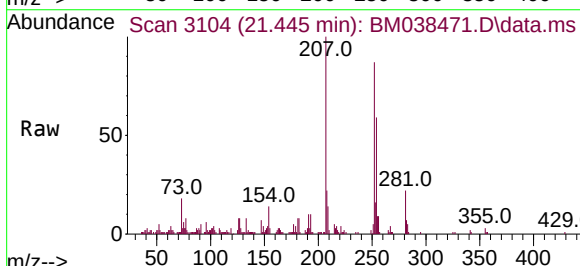
RT: 21.445 min Scan# 3104

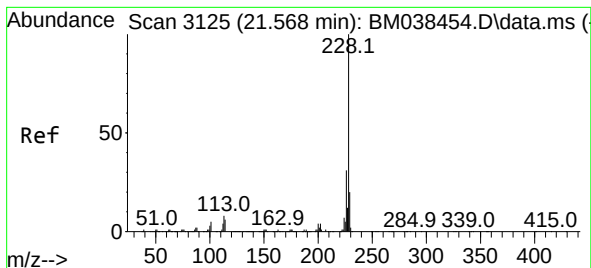
Delta R.T. -0.006 min

Lab File: BM038471.D

Acq: 17 Jan 2023 19:21

Tgt Ion:	252	Resp:	33965
Ion Ratio	Lower	Upper	
252	100		
254	67.8	51.2	76.8
126	8.7	6.3	9.5





#83

Chrysene

Concen: 4.400 ng

RT: 21.562 min Scan# 3125

Delta R.T. -0.006 min

Lab File: BM038471.D

Acq: 17 Jan 2023 19:21

Instrument :

BNA_M

ClientSampleId :

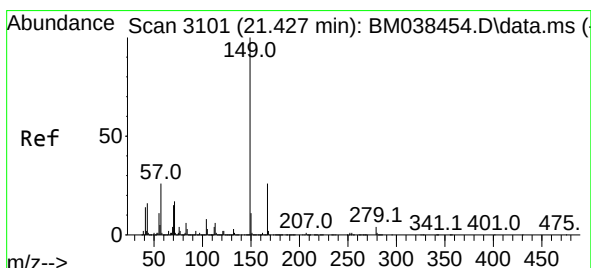
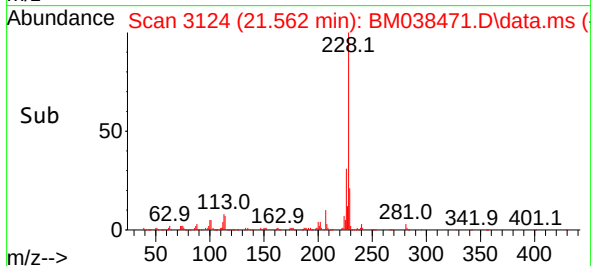
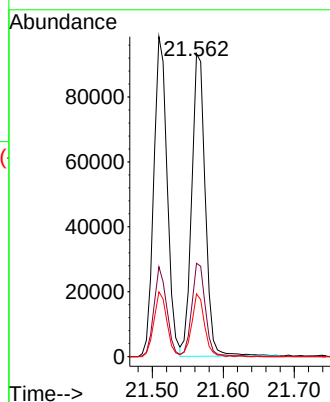
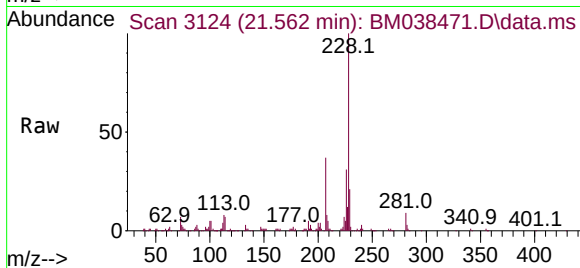
LOQ-SOIL-02-QT3-2022

Tgt Ion:228 Resp: 123979
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.6 36.8
 229 20.8 16.1 24.1

Manual Integrations

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.247 ng

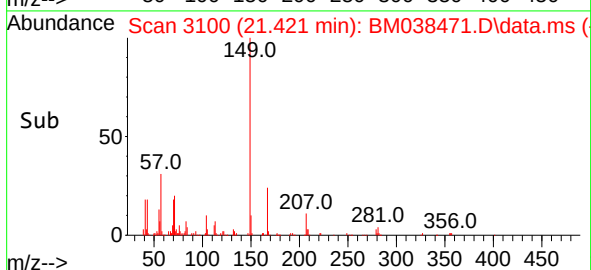
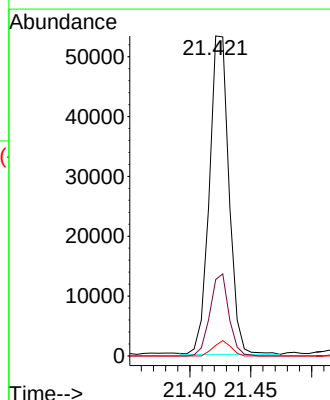
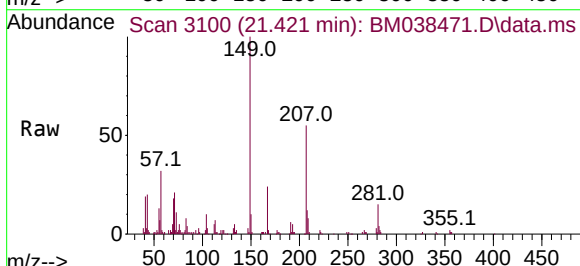
RT: 21.421 min Scan# 3100

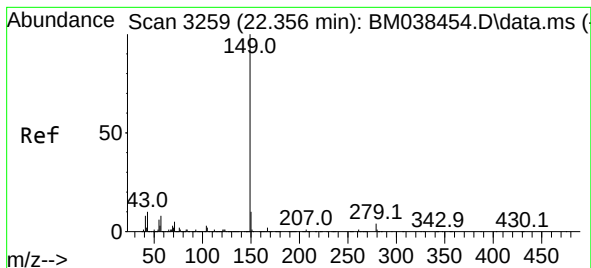
Delta R.T. -0.006 min

Lab File: BM038471.D

Acq: 17 Jan 2023 19:21

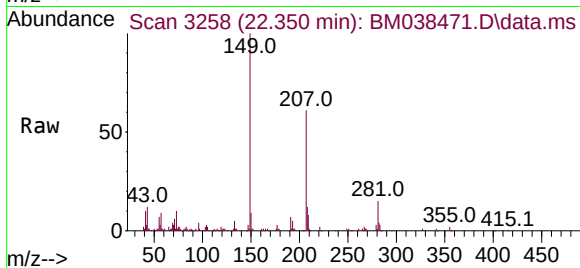
Tgt Ion:149 Resp: 59872
 Ion Ratio Lower Upper
 149 100
 167 23.9 21.0 31.4
 279 3.3 3.4 5.0#





#85
Di-n-octyl phthalate
Concen: 4.409 ng
RT: 22.350 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

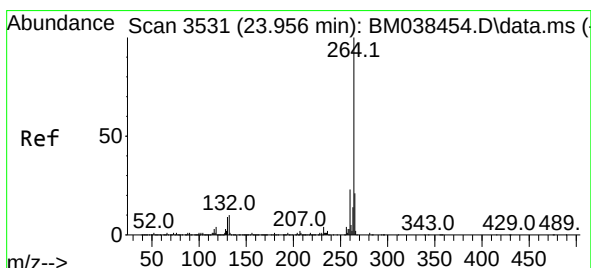
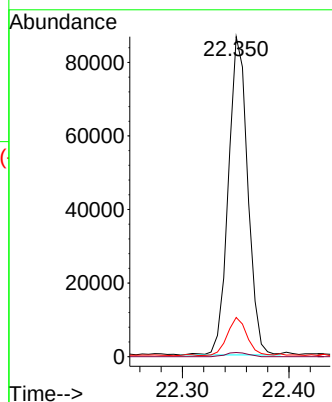
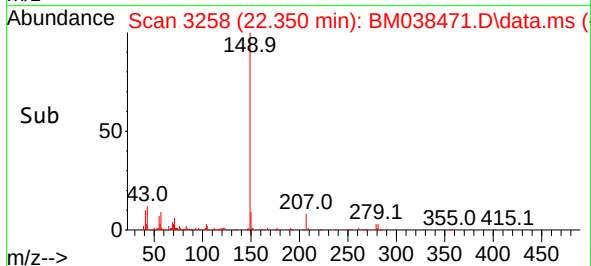
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:149 Resp: 109368
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.2 8.4 12.6

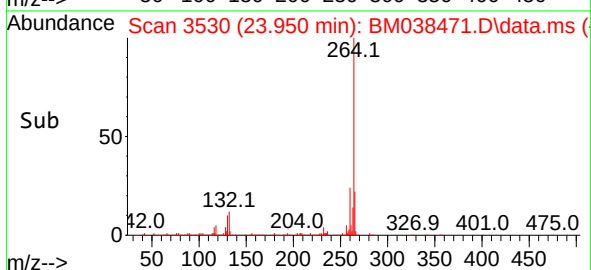
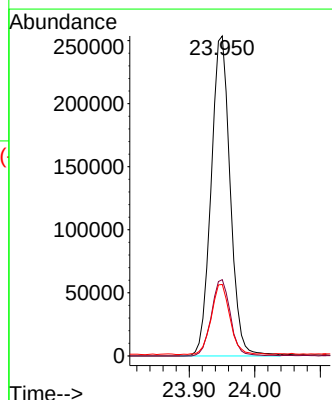
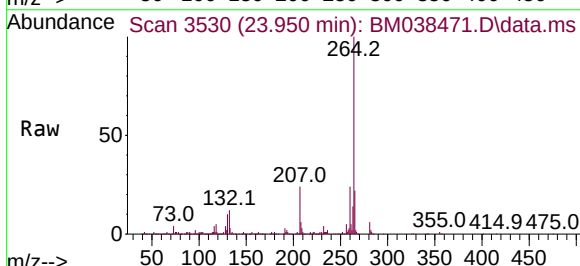
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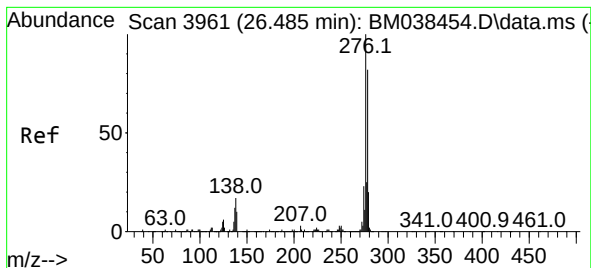
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.950 min Scan# 3530
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

Tgt Ion:264 Resp: 512933
Ion Ratio Lower Upper
264 100
260 23.8 18.2 27.4
265 22.3 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.185 ng

RT: 26.462 min Scan# 3957

Delta R.T. -0.024 min

Lab File: BM038471.D

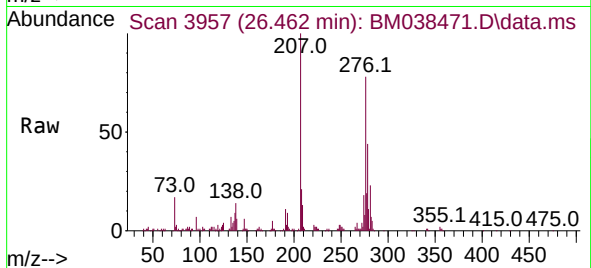
Acq: 17 Jan 2023 19:21

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion:276 Resp: 15887

Ion Ratio Lower Upper

276 100

138 19.8 13.4 20.2

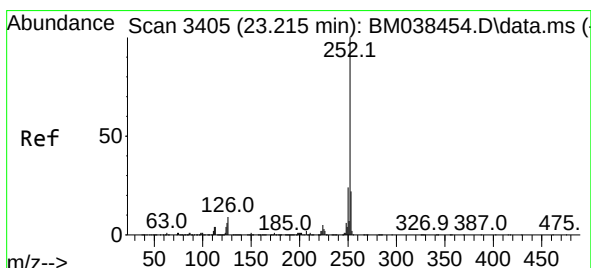
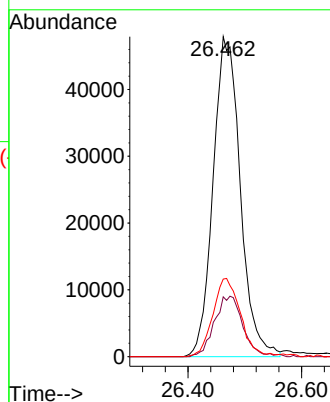
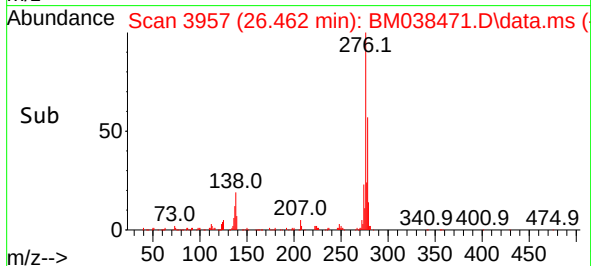
277 24.7 19.8 29.8

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Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#88

Benzo(b)fluoranthene

Concen: 4.409 ng

RT: 23.209 min Scan# 3404

Delta R.T. -0.006 min

Lab File: BM038471.D

Acq: 17 Jan 2023 19:21

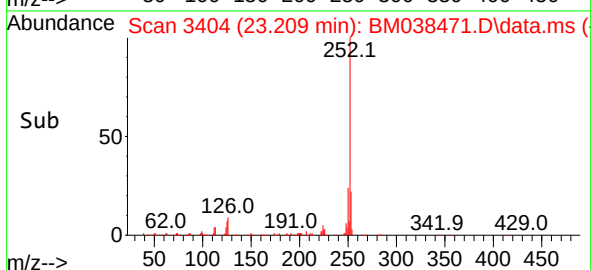
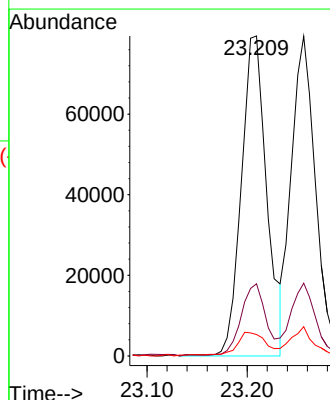
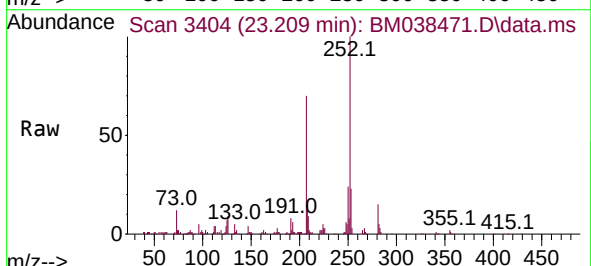
Tgt Ion:252 Resp: 140242

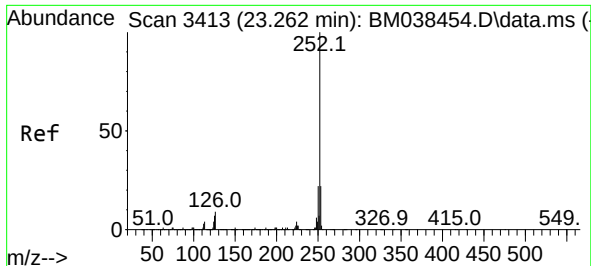
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

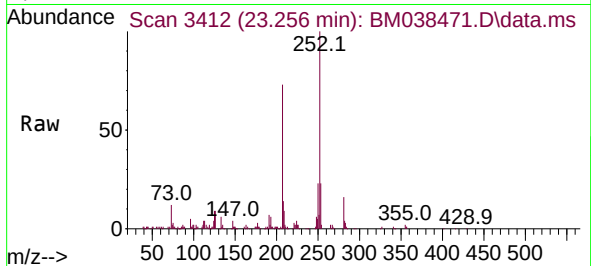
125 6.7 5.1 7.7





#89
Benzo(k)fluoranthene
Concen: 4.104 ng m
RT: 23.256 min Scan# 3413
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

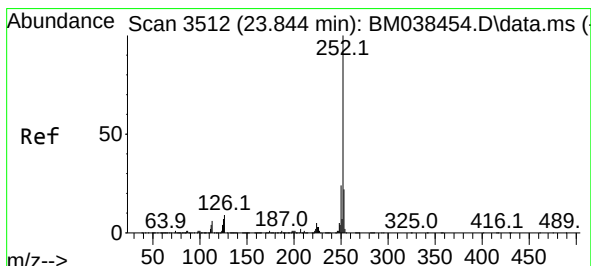
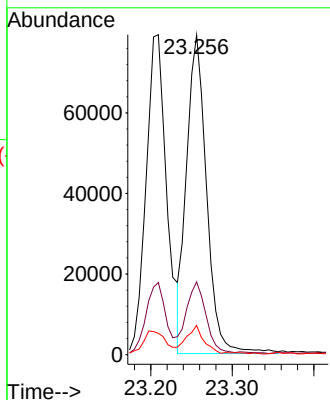
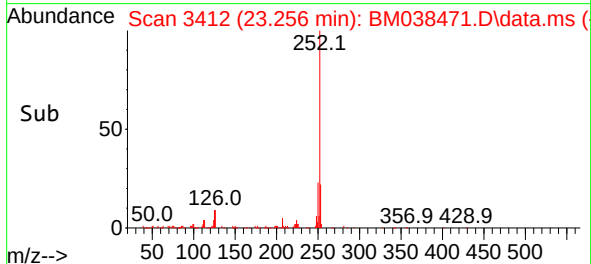
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



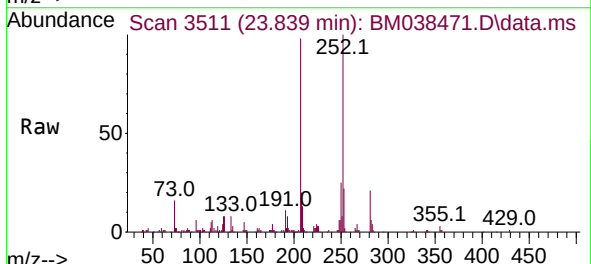
Tgt Ion:252 Resp: 134989
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 9.1 5.5 8.3

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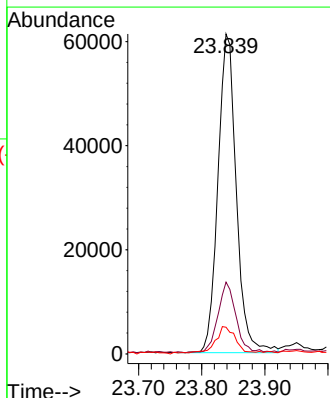
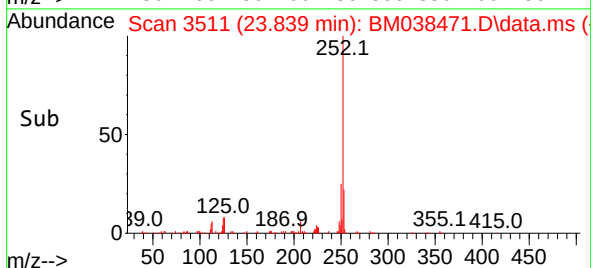
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

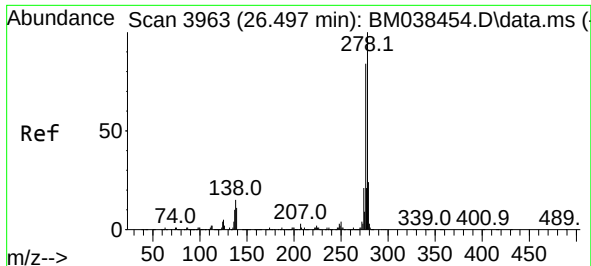


#90
Benzo(a)pyrene
Concen: 3.966 ng
RT: 23.839 min Scan# 3511
Delta R.T. -0.006 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21



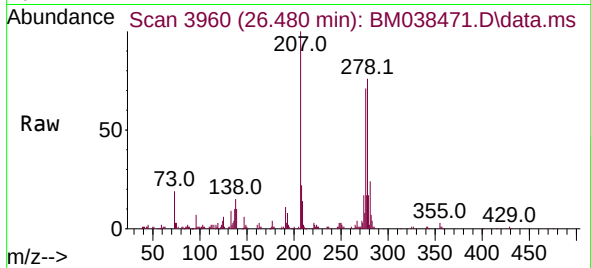
Tgt Ion:252 Resp: 123788
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 8.3 5.8 8.8





#91
Dibenzo(a,h)anthracene
Concen: 4.331 ng
RT: 26.480 min Scan# 3963
Delta R.T. -0.018 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

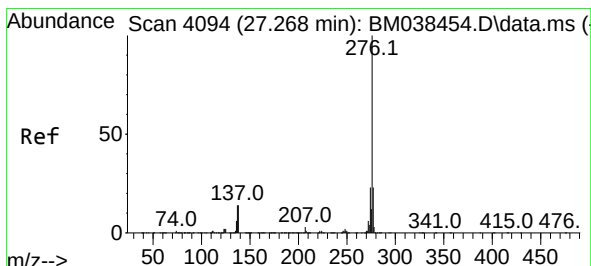
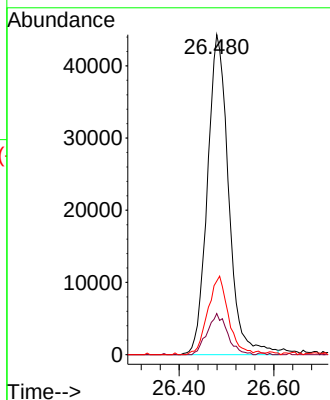
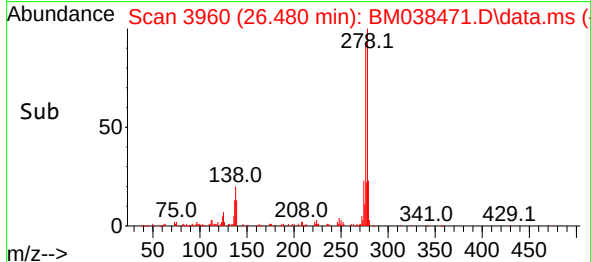
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:278 Resp: 137952
Ion Ratio Lower Upper
278 100
139 12.8 8.4 12.6
279 23.0 19.0 28.6

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



#92
Benzo(g,h,i)perylene
Concen: 4.477 ng
RT: 27.244 min Scan# 4090
Delta R.T. -0.024 min
Lab File: BM038471.D
Acq: 17 Jan 2023 19:21

Tgt Ion:276 Resp: 141480
Ion Ratio Lower Upper
276 100
277 24.1 18.6 27.8
138 13.4 11.3 16.9

