

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031623\
 Data File : BM039017.D
 Acq On : 16 Mar 2023 14:45
 Operator : CG/JU
 Sample : 01627-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

Quant Time: Mar 17 06:15:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 06:13:01 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/17/2023
 Supervised By : Jagrut Upadhyay 03/17/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	339995	20.000	ng	0.00
21) Naphthalene-d8	10.792	136	1453594	20.000	ng	0.00
39) Acenaphthene-d10	14.615	164	902262	20.000	ng	0.00
64) Phenanthrene-d10	17.362	188	1922709	20.000	ng	0.00
76) Chrysene-d12	21.544	240	1816218	20.000	ng	0.00
86) Perylene-d12	23.985	264	1829537	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2292557	102.444	ng	0.00
7) Phenol-d6	7.134	99	3135380	107.865	ng	0.00
23) Nitrobenzene-d5	9.145	82	2351594	79.467	ng	0.00
42) 2,4,6-Tribromophenol	16.104	330	1146648	109.856	ng	0.00
45) 2-Fluorobiphenyl	13.245	172	5031262	72.592	ng	0.00
79) Terphenyl-d14	19.986	244	7627662	76.785	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.393	88	41637	4.182	ng	95
3) Pyridine	3.810	79	120319	4.358	ng	96
4) n-Nitrosodimethylamine	3.716	42	59823	5.324	ng	# 96
6) Aniline	7.298	93	199048	5.215	ng	97
8) 2-Chlorophenol	7.534	128	121793	5.112	ng	95
9) Benzaldehyde	7.110	77	107419m	7.766	ng	
10) Phenol	7.157	94	165517	5.362	ng	96
11) bis(2-Chloroethyl)ether	7.398	93	134424	5.356	ng	99
12) 1,3-Dichlorobenzene	7.863	146	134800	5.324	ng	99
13) 1,4-Dichlorobenzene	8.010	146	135143	5.248	ng	98
14) 1,2-Dichlorobenzene	8.328	146	135126	5.448	ng	97
15) Benzyl Alcohol	8.216	79	114136	5.478	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.504	45	190586	6.013	ng	98
17) 2-Methylphenol	8.416	107	104375	4.922	ng	99
18) Hexachloroethane	9.063	117	50258	5.290	ng	93
19) n-Nitroso-di-n-propyla...	8.786	70	113060	6.175	ng	98
20) 3+4-Methylphenols	8.745	107	136535	4.822	ng	99
22) Acetophenone	8.804	105	183300	4.495	ng	# 96
24) Nitrobenzene	9.186	77	171024	5.499	ng	98
25) Isophorone	9.710	82	296024	5.436	ng	99
26) 2-Nitrophenol	9.898	139	55796	4.539	ng	96
27) 2,4-Dimethylphenol	9.957	122	117909	4.969	ng	97
28) bis(2-Chloroethoxy)met...	10.198	93	189304	5.410	ng	99
29) 2,4-Dichlorophenol	10.433	162	102417	4.553	ng	99
30) 1,2,4-Trichlorobenzene	10.651	180	119669	4.868	ng	99
31) Naphthalene	10.839	128	418277	5.046	ng	100
33) 4-Chloroaniline	10.951	127	171276	4.849	ng	99
34) Hexachlorobutadiene	11.127	225	66376	4.708	ng	97
35) Caprolactam	11.722	113	28469	4.158	ng	93
36) 4-Chloro-3-methylphenol	12.063	107	119332	4.982	ng	99
37) 2-Methylnaphthalene	12.445	142	285814	5.145	ng	99
38) 1-Methylnaphthalene	12.669	142	267991	5.148	ng	100
40) 1,2,4,5-Tetrachloroben...	12.810	216	112920	3.850	ng	98
41) Hexachlorocyclopentadiene	12.792	237	75483	4.688	ng	95
43) 2,4,6-Trichlorophenol	13.051	196	80391	4.232	ng	98
44) 2,4,5-Trichlorophenol	13.116	196	88694	3.989	ng	98

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Quant Time: Mar 17 06:15:23 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 06:13:01 2023
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Manual Integrations
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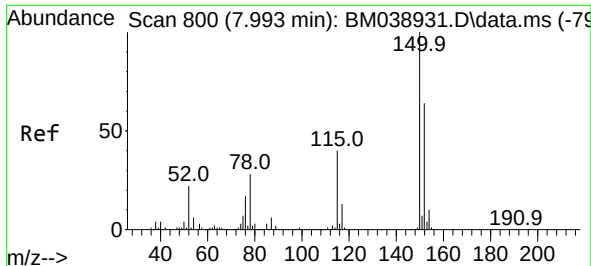
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.451	154	332697	4.353	ng	99
47) 2-Chloronaphthalene	13.492	162	287636	4.990	ng	98
48) 2-Nitroaniline	13.698	65	75646	4.570	ng	96
49) Acenaphthylene	14.339	152	438721	4.779	ng	99
50) Dimethylphthalate	14.074	163	368440	5.307	ng	99
51) 2,6-Dinitrotoluene	14.192	165	66408	4.704	ng	91
52) Acenaphthene	14.680	154	282295	5.003	ng	98
53) 3-Nitroaniline	14.515	138	73992	4.522	ng	98
54) 2,4-Dinitrophenol	14.721	184	26083	3.429	ng	97
55) Dibenzofuran	15.015	168	452526	5.125	ng	99
56) 4-Nitrophenol	14.815	139	61348	4.449	ng	94
57) 2,4-Dinitrotoluene	14.974	165	81888	4.530	ng	89
58) Fluorene	15.662	166	356913	5.160	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.239	232	82103	4.788	ng	97
60) Diethylphthalate	15.433	149	359779	5.326	ng	99
61) 4-Chlorophenyl-phenyle...	15.657	204	170753	5.025	ng	96
62) 4-Nitroaniline	15.674	138	70845	4.338	ng	94
63) Azobenzene	15.951	77	364368	5.097	ng	99
65) 4,6-Dinitro-2-methylph...	15.733	198	38502	3.345	ng	89
66) n-Nitrosodiphenylamine	15.868	169	297057	4.583	ng	98
67) 4-Bromophenyl-phenylether	16.551	248	94866	4.568	ng	95
68) Hexachlorobenzene	16.662	284	117169	5.047	ng	95
69) Atrazine	16.821	200	75545	4.267	ng	98
70) Pentachlorophenol	17.004	266	58060	3.400	ng	99
71) Phenanthrene	17.404	178	566928	5.024	ng	100
72) Anthracene	17.492	178	538808	4.788	ng	100
73) Carbazole	17.762	167	506267	4.929	ng	98
74) Di-n-butylphthalate	18.333	149	569264	4.990	ng	99
75) Fluoranthene	19.415	202	595922	5.002	ng	98
77) Benzidine	19.603	184	212432	5.612	ng	100
78) Pyrene	19.780	202	635684	4.660	ng	99
80) Butylbenzylphthalate	20.680	149	233706	4.613	ng	98
81) Benzo(a)anthracene	21.527	228	636079	4.863	ng	99
82) 3,3'-Dichlorobenzidine	21.462	252	171430	4.265	ng	99
83) Chrysene	21.580	228	614378	4.830	ng	100
84) Bis(2-ethylhexyl)phtha...	21.456	149	350614	4.716	ng	99
85) Di-n-octyl phthalate	22.397	149	543816	4.235	ng	96
87) Indeno(1,2,3-cd)pyrene	26.521	276	598375	4.298	ng	98
88) Benzo(b)fluoranthene	23.238	252	597709	5.114	ng	99
89) Benzo(k)fluoranthene	23.285	252	590283	4.853	ng	99
90) Benzo(a)pyrene	23.874	252	482923	4.293	ng	99
91) Dibenzo(a,h)anthracene	26.538	278	504909	4.283	ng	98
92) Benzo(g,h,i)perylene	27.297	276	473575	4.106	ng	99

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

Manual Integrations

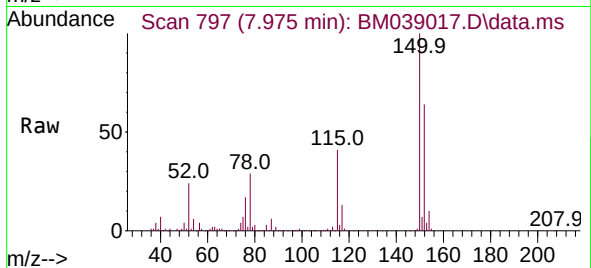
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

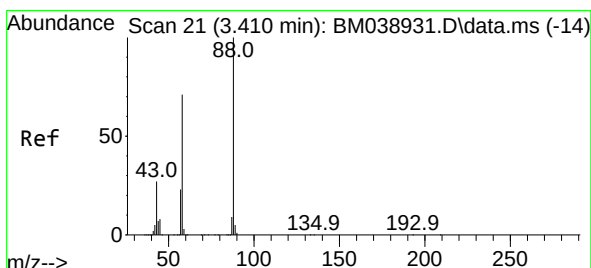
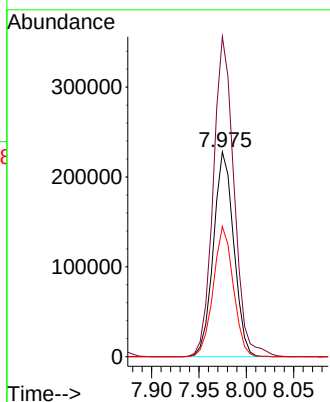
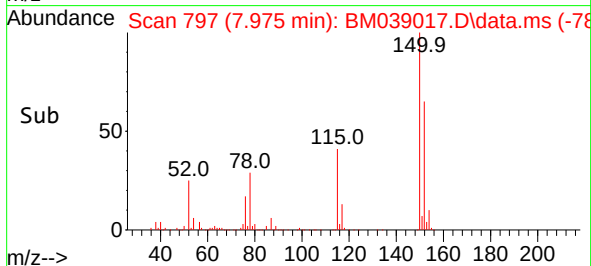
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 152 Resp: 339995
Ion Ratio Lower Upper
152 100
150 156.3 125.1 187.7
115 63.5 49.6 74.4

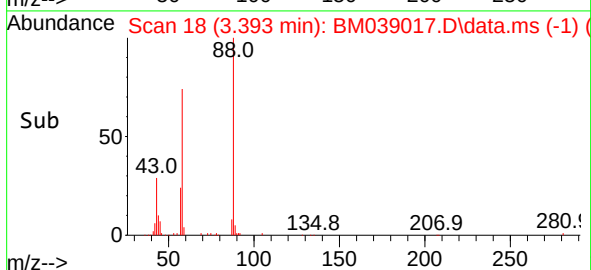
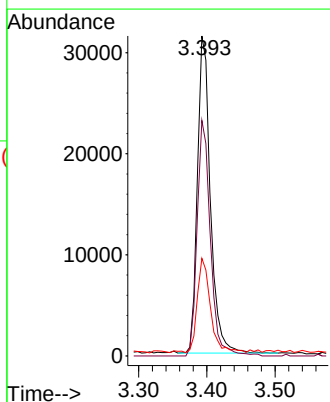
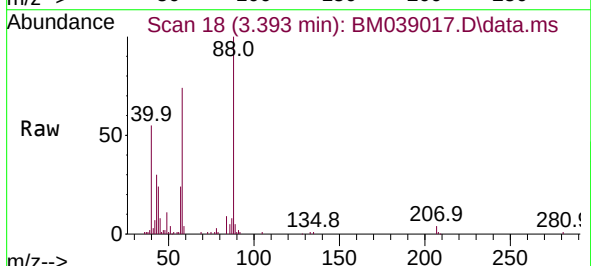
Manual Integrations
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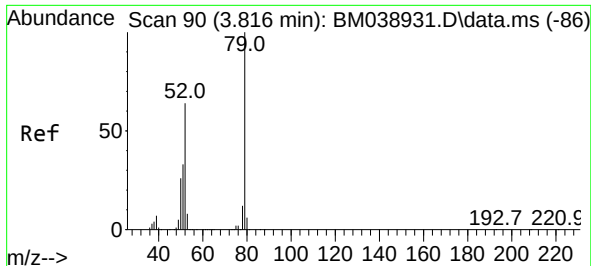
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#2
1,4-Dioxane
Concen: 4.182 ng
RT: 3.393 min Scan# 18
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

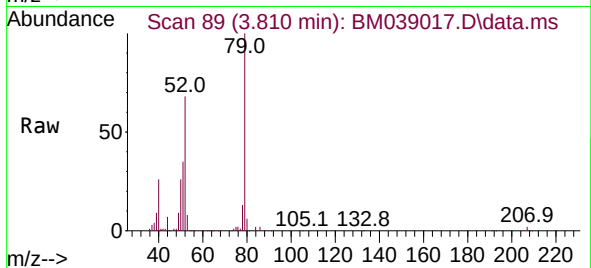
Tgt Ion: 88 Resp: 41637
Ion Ratio Lower Upper
88 100
58 75.9 57.2 85.8
43 30.1 22.0 33.0





#3
Pyridine
Concen: 4.358 ng
RT: 3.810 min Scan# 89
Delta R.T. 0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

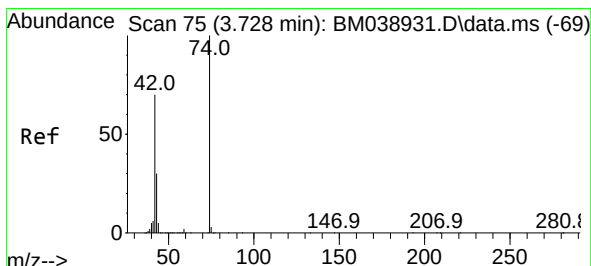
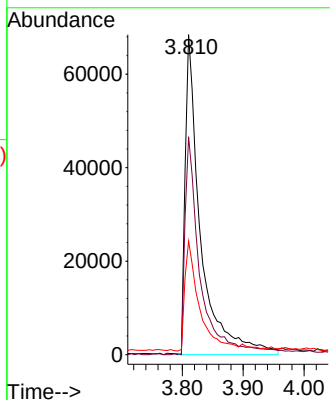
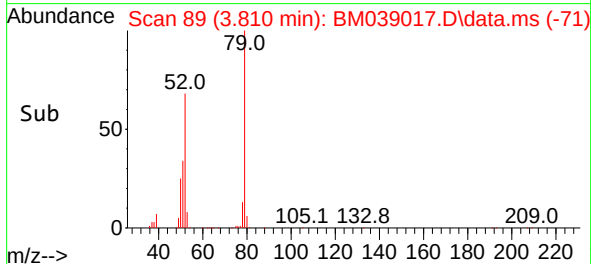
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LOQ-SOIL-02-QT1-2023



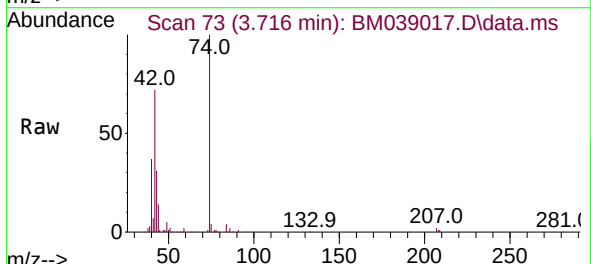
Tgt Ion: 79 Resp: 120319
Ion Ratio Lower Upper
79 100
52 68.1 51.4 77.2
51 35.5 26.6 40.0

Manual Integrations
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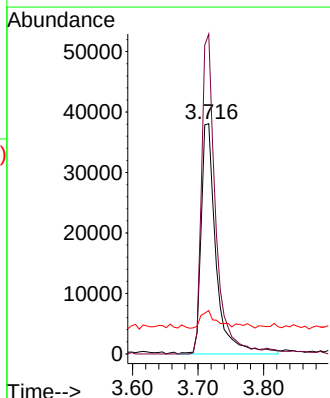
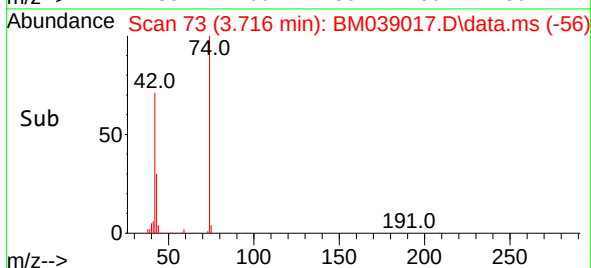
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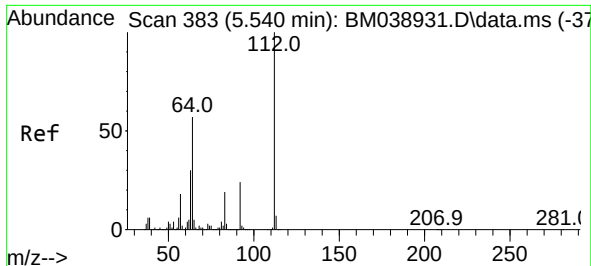


#4
n-Nitrosodimethylamine
Concen: 5.324 ng
RT: 3.716 min Scan# 73
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



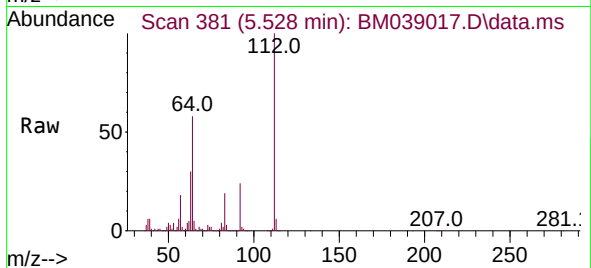
Tgt Ion: 42 Resp: 59823
Ion Ratio Lower Upper
42 100
74 139.0 113.8 170.8
44 18.8 6.2 9.2





#5
2-Fluorophenol
Concen: 102.444 ng
RT: 5.528 min Scan# 381
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

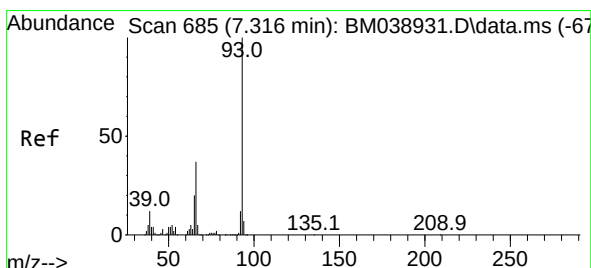
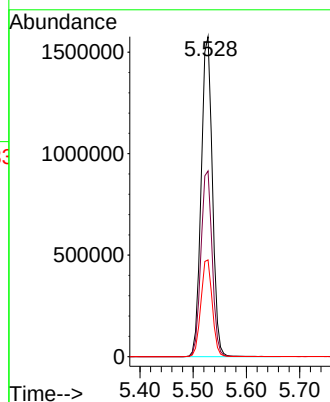
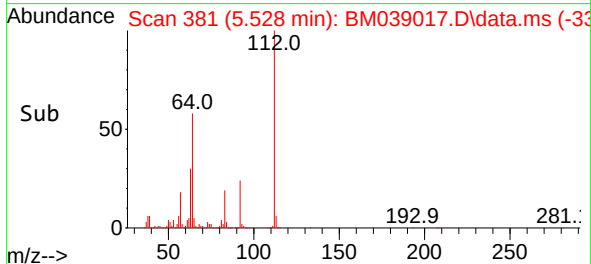
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 112 Resp: 229255
Ion Ratio Lower Upper
112 100
64 58.0 45.9 68.9
63 30.2 23.8 35.8

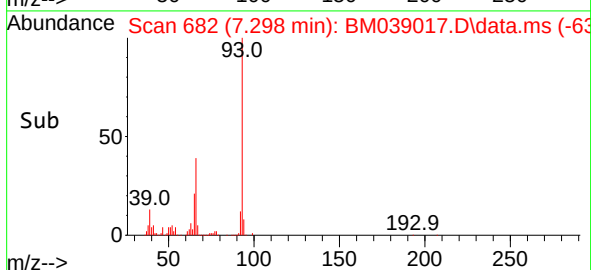
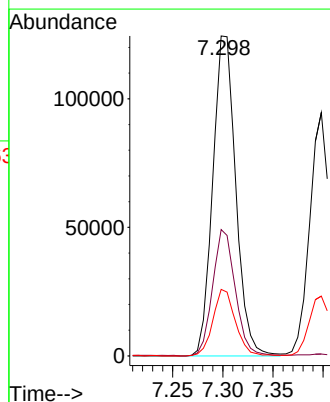
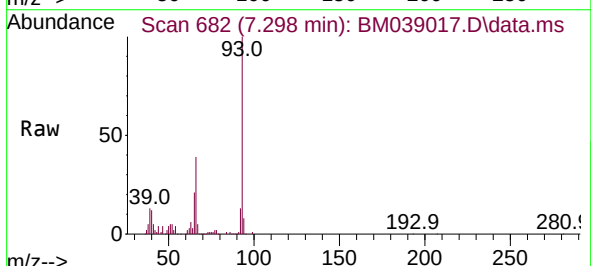
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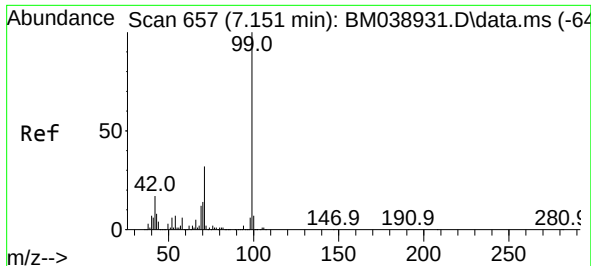
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#6
Aniline
Concen: 5.215 ng
RT: 7.298 min Scan# 682
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

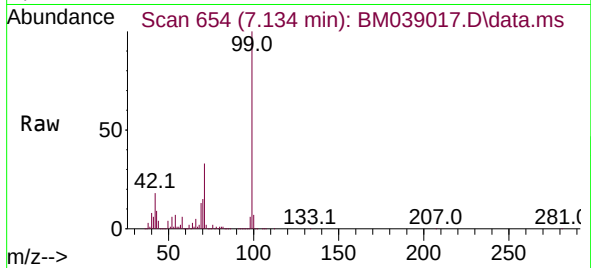
Tgt Ion: 93 Resp: 199048
Ion Ratio Lower Upper
93 100
66 39.5 30.0 45.0
65 20.8 15.8 23.6





#7
Phenol-d6
Concen: 107.865 ng
RT: 7.134 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

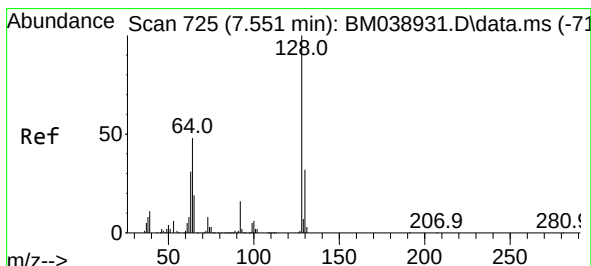
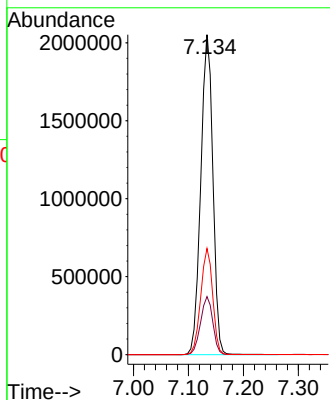
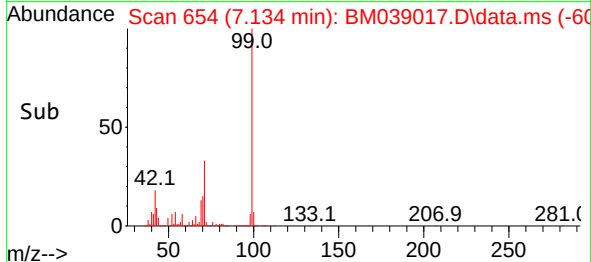
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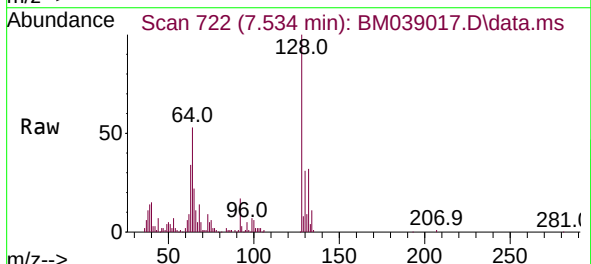
Tgt Ion: 99 Resp: 3135380
Ion Ratio Lower Upper
99 100
42 18.1 13.5 20.3
71 33.2 25.6 38.4

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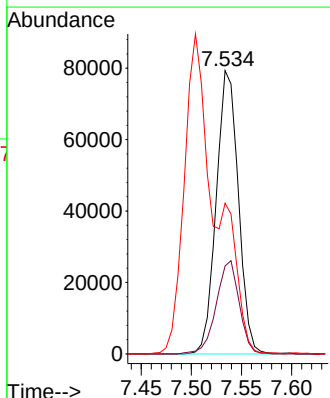
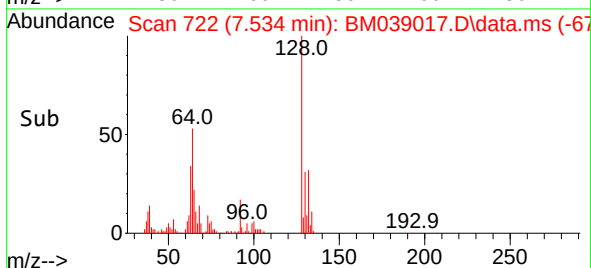
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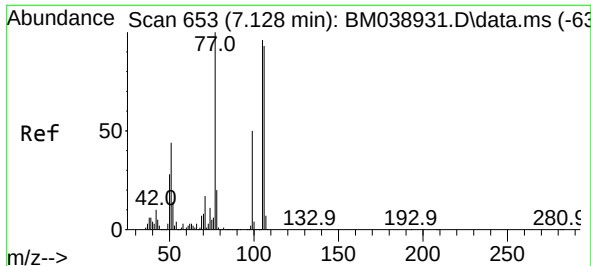


#8
2-Chlorophenol
Concen: 5.112 ng
RT: 7.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



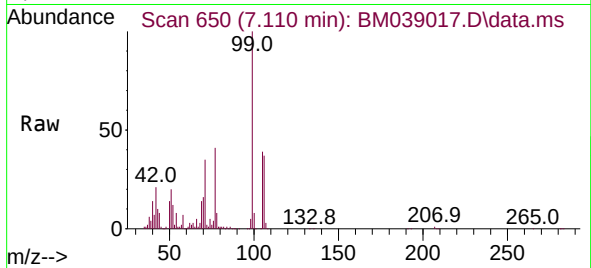
Tgt Ion:128 Resp: 121793
Ion Ratio Lower Upper
128 100
130 31.0 11.9 51.9
64 53.2 28.6 68.6





#9
Benzaldehyde
Concen: 7.766 ng m
RT: 7.110 min Scan# 653
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

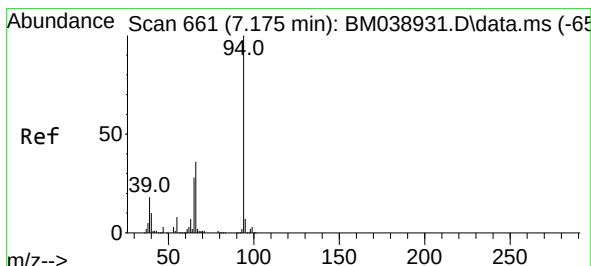
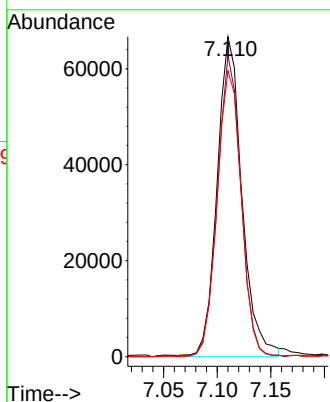
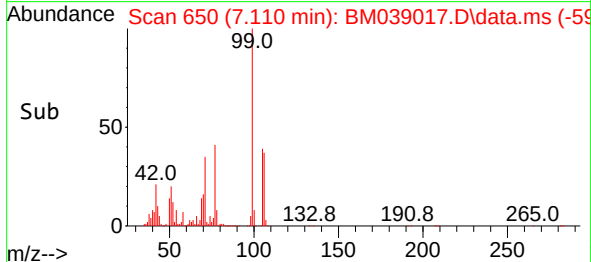
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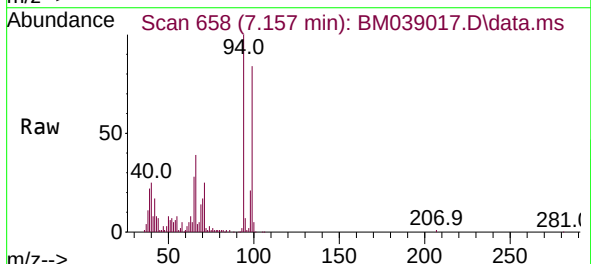
Tgt Ion: 77 Resp: 107419
Ion Ratio Lower Upper
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105 94.1 75.8 115.8
106 89.2 72.6 112.6

Manual Integrations
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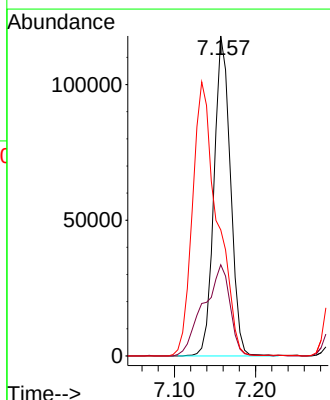
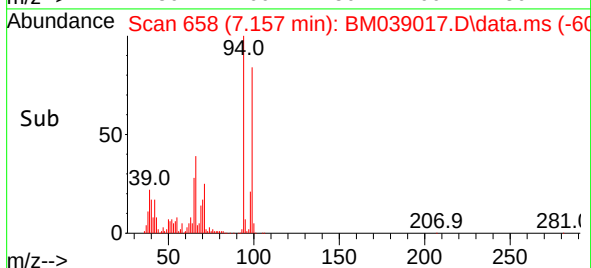
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

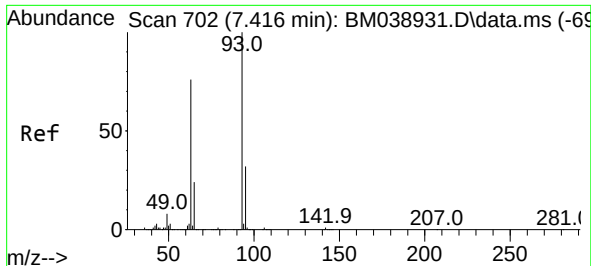


#10
Phenol
Concen: 5.362 ng
RT: 7.157 min Scan# 658
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



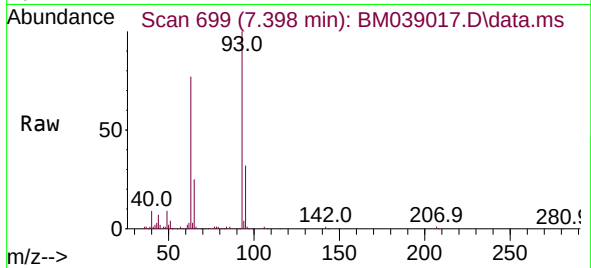
Tgt Ion: 94 Resp: 165517
Ion Ratio Lower Upper
94 100
65 28.5 7.9 47.9
66 39.4 15.8 55.8





#11
bis(2-Chloroethyl)ether
Concen: 5.356 ng
RT: 7.398 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

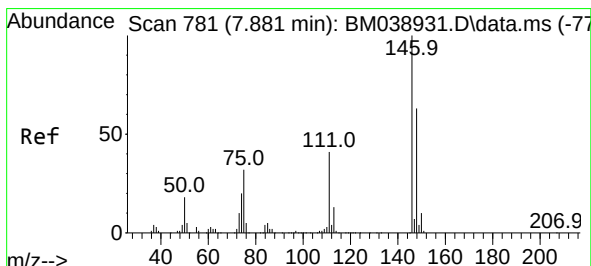
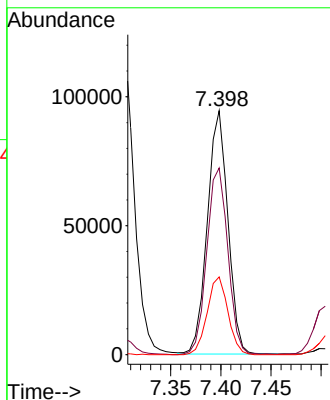
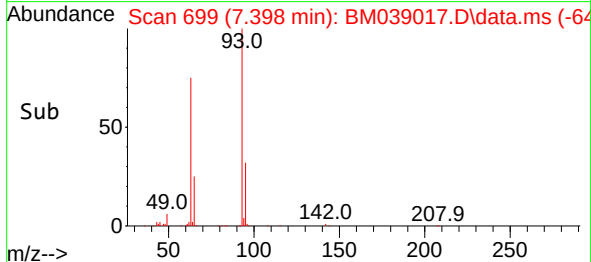
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



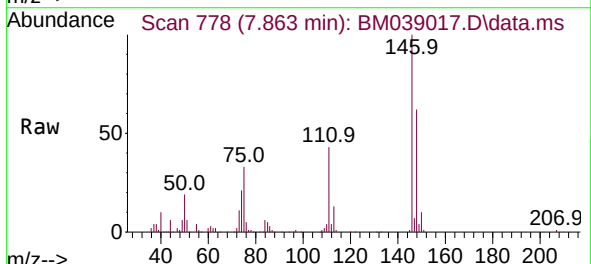
Tgt Ion: 93 Resp: 134424
Ion Ratio Lower Upper
93 100
63 76.5 55.8 95.8
95 31.9 12.2 52.2

Manual Integrations
APPROVED

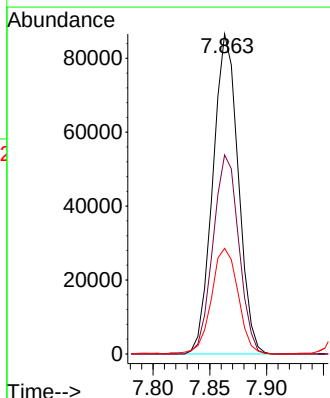
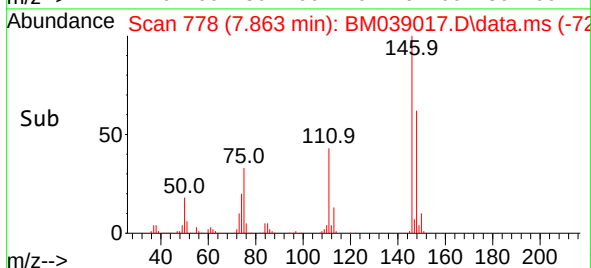
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

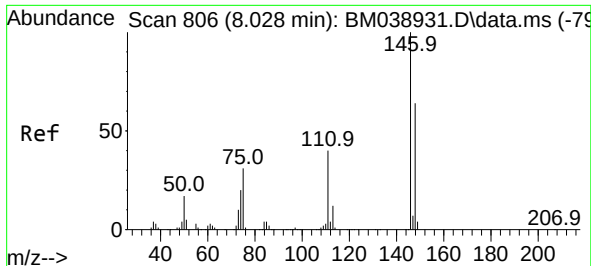


#12
1,3-Dichlorobenzene
Concen: 5.324 ng
RT: 7.863 min Scan# 778
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



Tgt Ion:146 Resp: 134800
Ion Ratio Lower Upper
146 100
148 62.2 50.6 75.8
75 33.0 26.0 39.0





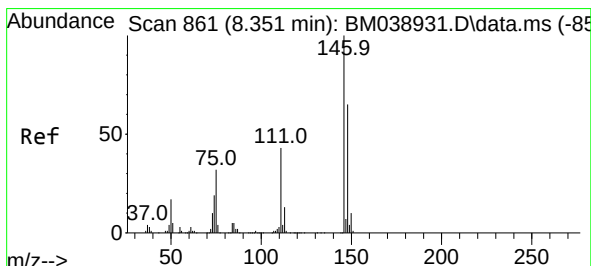
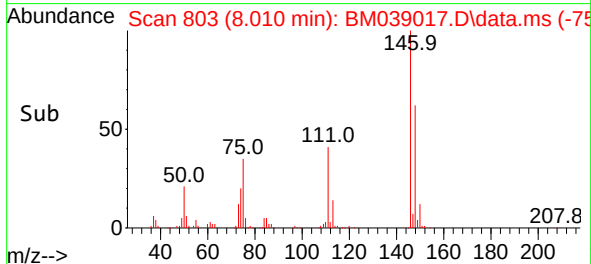
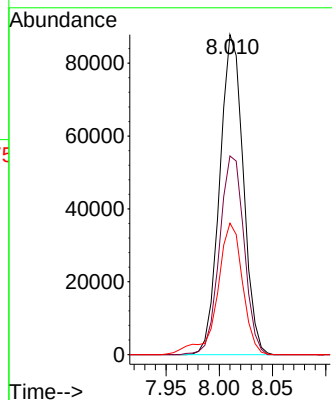
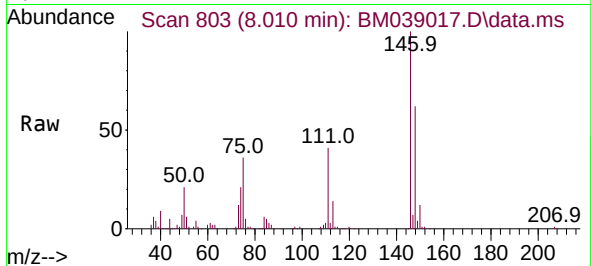
#13
1,4-Dichlorobenzene
Concen: 5.248 ng
RT: 8.010 min Scan# 806
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:146 Resp: 135143
Ion Ratio Lower Upper
146 100
148 62.1 51.0 76.4
111 41.1 32.2 48.4

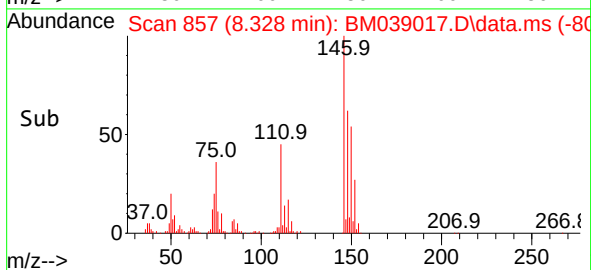
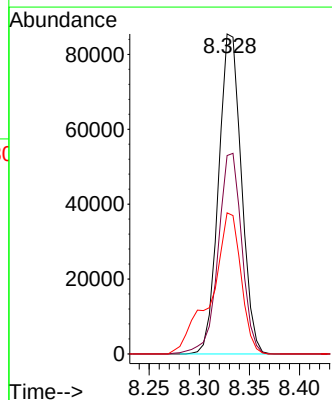
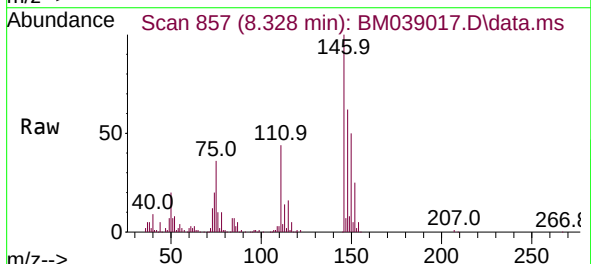
Manual Integrations
APPROVED

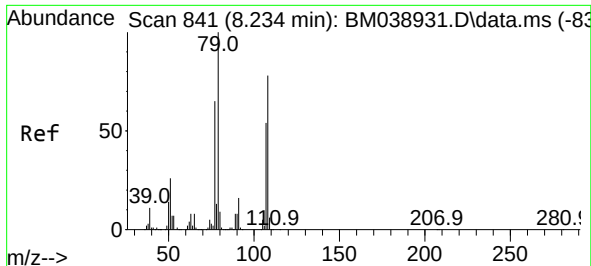
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#14
1,2-Dichlorobenzene
Concen: 5.448 ng
RT: 8.328 min Scan# 857
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

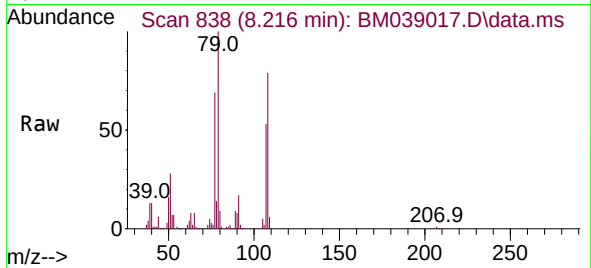
Tgt Ion:146 Resp: 135126
Ion Ratio Lower Upper
146 100
148 62.0 51.7 77.5
111 44.1 34.2 51.4





#15
Benzyl Alcohol
Concen: 5.478 ng
RT: 8.216 min Scan# 841
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

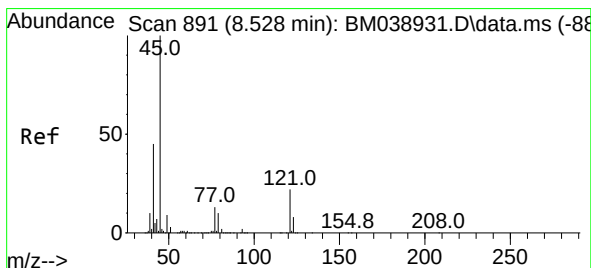
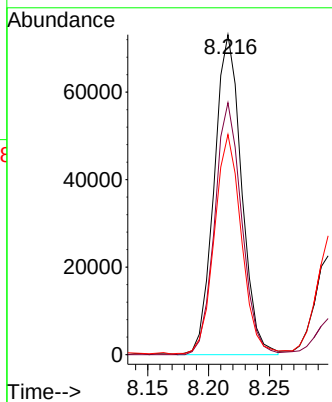
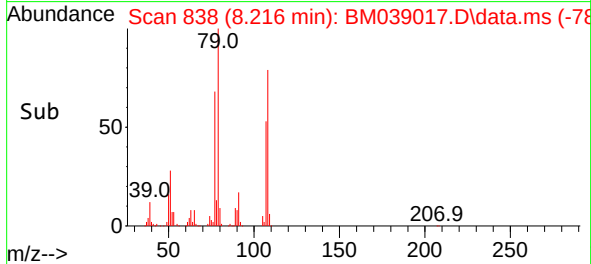
Instrument : BNA_M
Client Sample Id : LOQ-SOIL-02-QT1-2023



Tgt Ion: 79 Resp: 114136
Ion Ratio Lower Upper
79 100
108 78.7 62.4 93.6
77 68.8 52.2 78.4

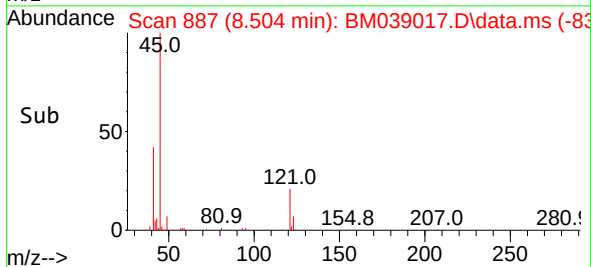
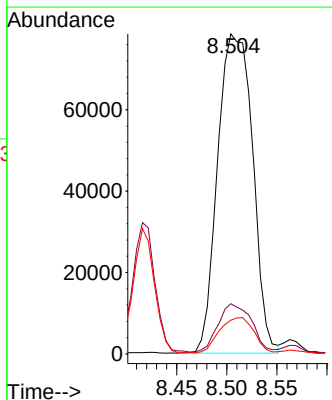
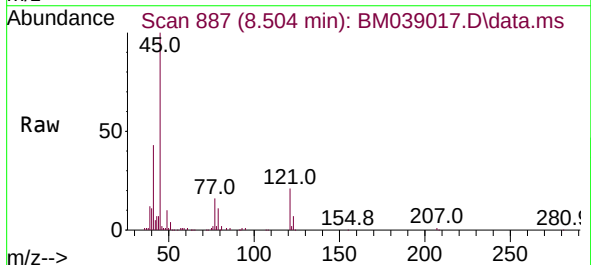
Manual Integrations
APPROVED

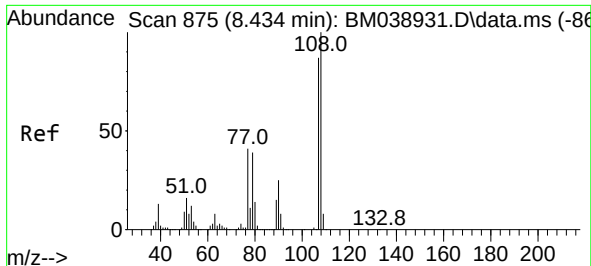
Reviewed By : Christian Giraldo 03/17/2023
Supervised By : Jagrut Upadhyay 03/17/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.013 ng
RT: 8.504 min Scan# 887
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

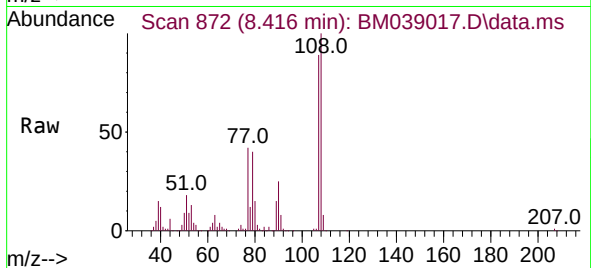
Tgt Ion: 45 Resp: 190586
Ion Ratio Lower Upper
45 100
77 15.7 0.0 34.8
79 10.5 0.0 31.5





#17
2-Methylphenol
Concen: 4.922 ng
RT: 8.416 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

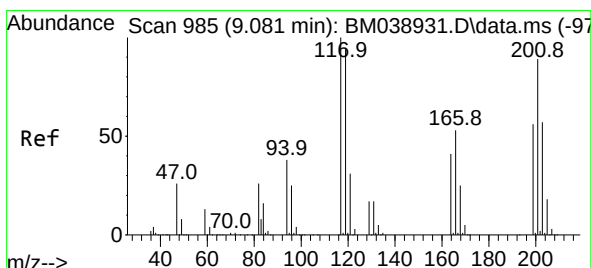
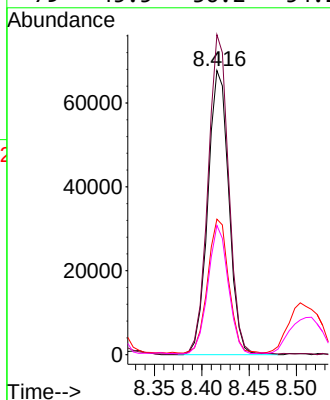
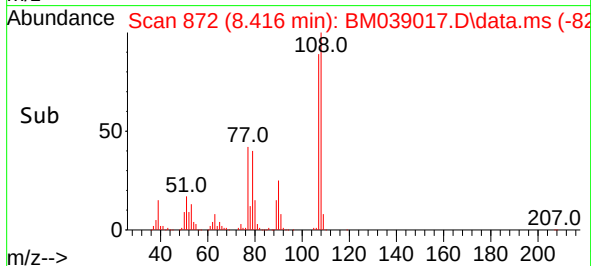
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion	Ratio	Lower	Upper
107	100		
108	112.7	91.7	137.5
77	47.7	37.4	56.2
79	45.5	36.2	54.2

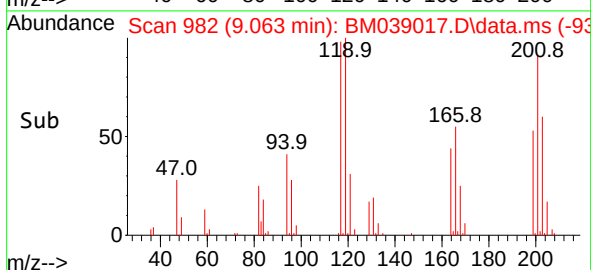
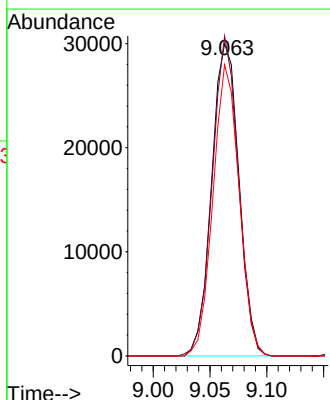
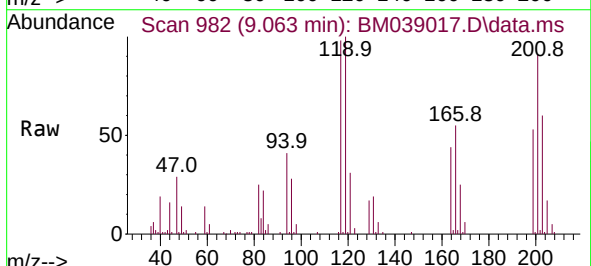
Manual Integrations
APPROVED

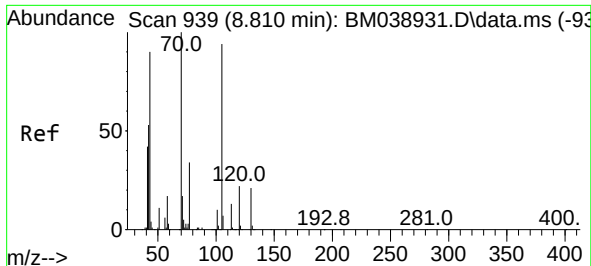
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#18
Hexachloroethane
Concen: 5.290 ng
RT: 9.063 min Scan# 982
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

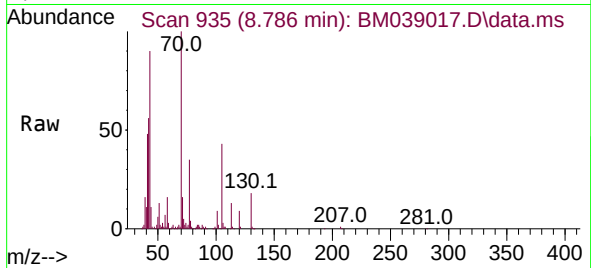
Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.5	75.4	113.0
201	93.3	71.3	106.9





#19
n-Nitroso-di-n-propylamine
Concen: 6.175 ng
RT: 8.786 min Scan# 935
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

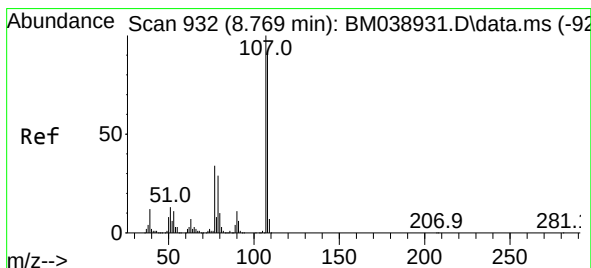
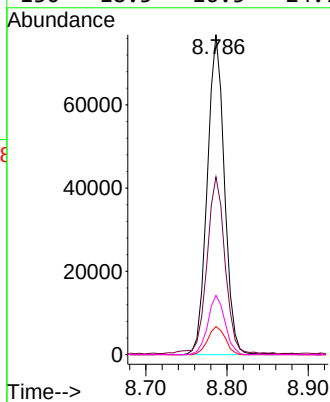
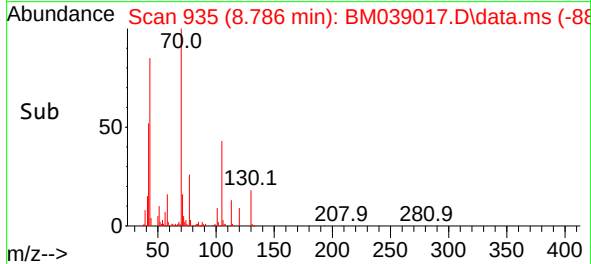
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



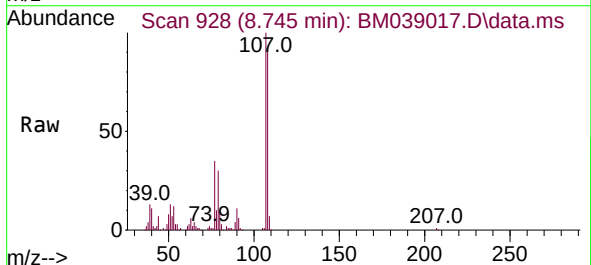
Tgt Ion: 70 Resp: 113060
Ion Ratio Lower Upper
70 100
42 55.5 43.4 65.2
101 8.8 7.6 11.4
130 18.5 16.5 24.7

Manual Integrations
APPROVED

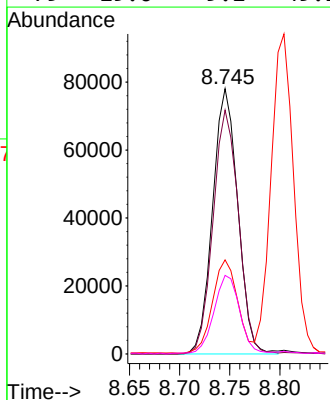
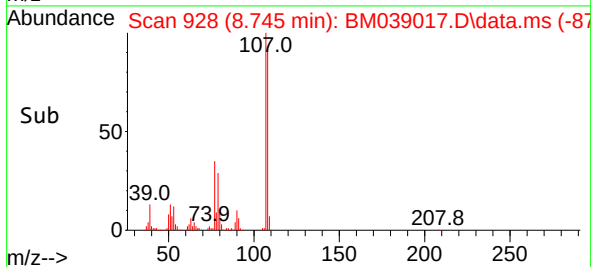
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

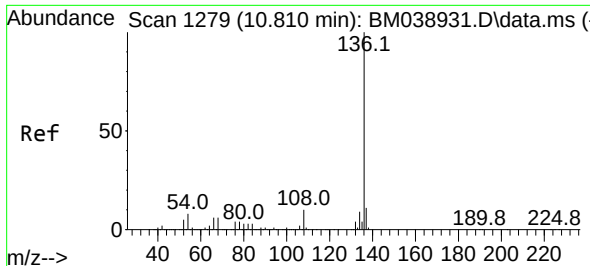


#20
3+4-Methylphenols
Concen: 4.822 ng
RT: 8.745 min Scan# 928
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



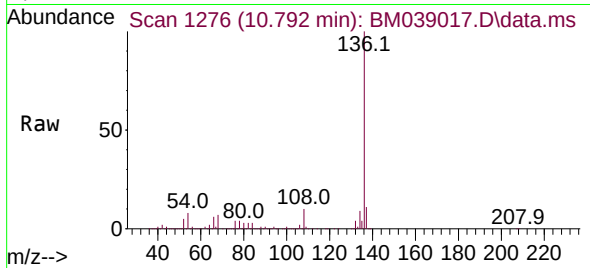
Tgt Ion: 107 Resp: 136535
Ion Ratio Lower Upper
107 100
108 91.9 71.8 111.8
77 35.5 13.6 53.6
79 29.6 9.2 49.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

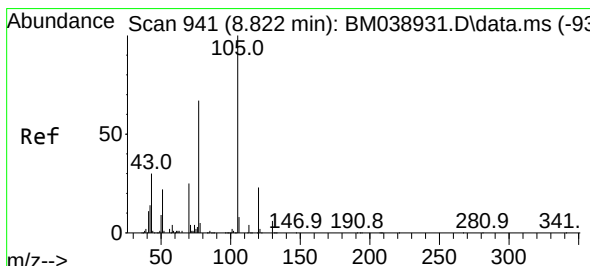
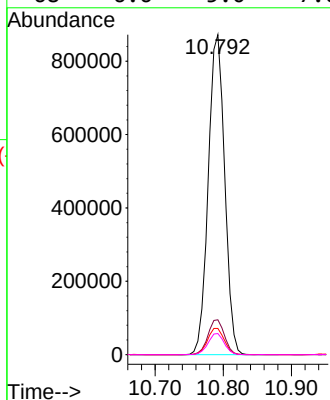
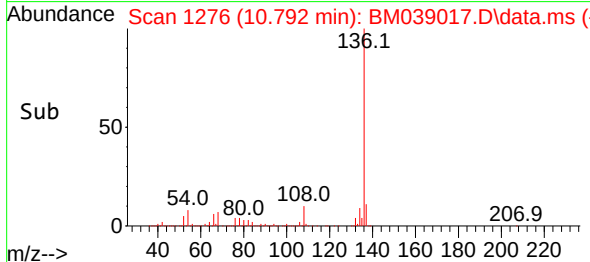
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:136 Resp: 1453594
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.2 6.3 9.5
68 6.6 5.0 7.6

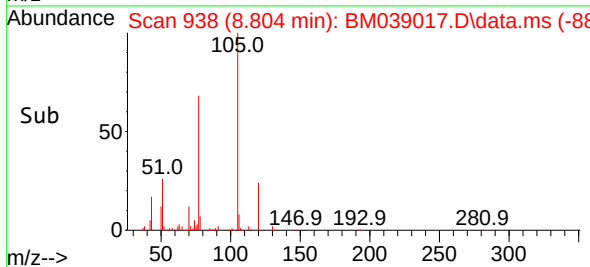
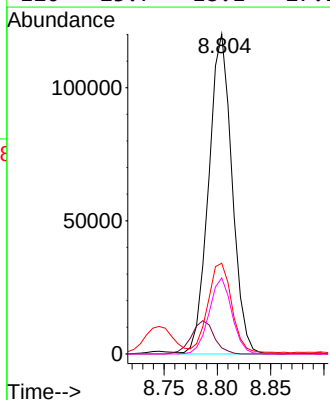
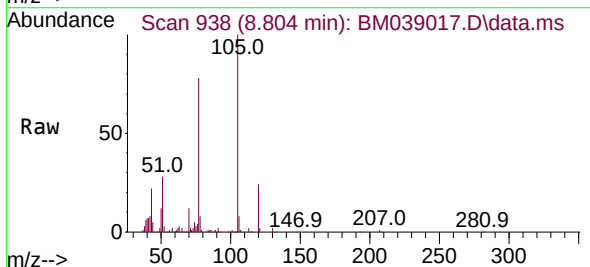
Manual Integrations
APPROVED

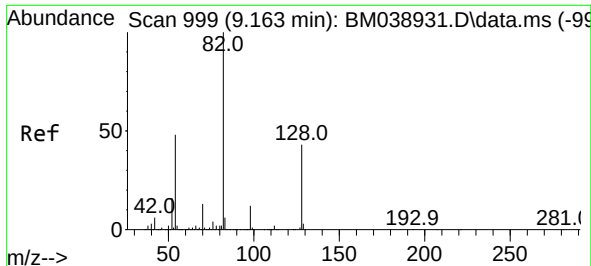
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#22
Acetophenone
Concen: 4.495 ng
RT: 8.804 min Scan# 938
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:105 Resp: 183300
Ion Ratio Lower Upper
105 100
71 1.9 3.4 5.0#
51 28.3 21.0 31.4
120 23.7 18.1 27.1





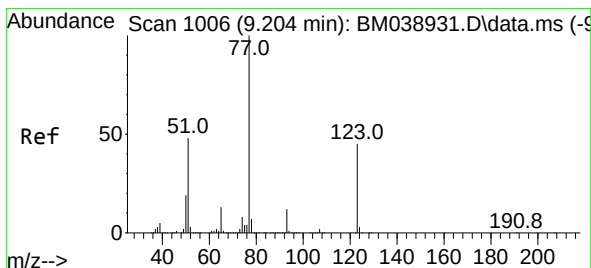
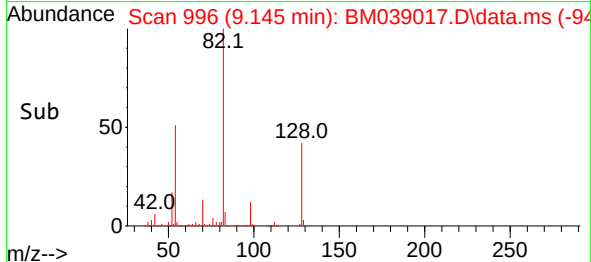
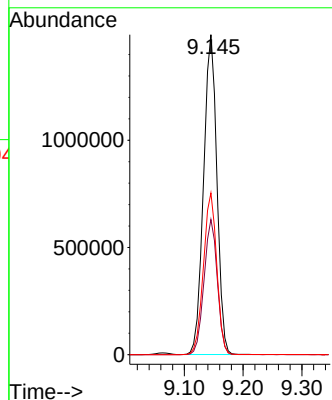
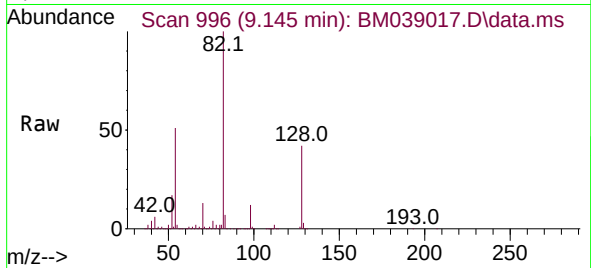
#23
Nitrobenzene-d5
Concen: 79.467 ng
RT: 9.145 min Scan# 99
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion: 82 Resp: 2351594
Ion Ratio Lower Upper
82 100
128 42.2 34.4 51.6
54 50.5 38.8 58.2

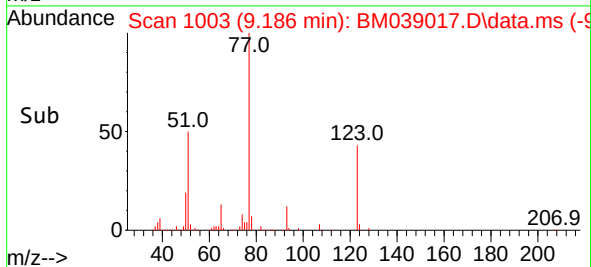
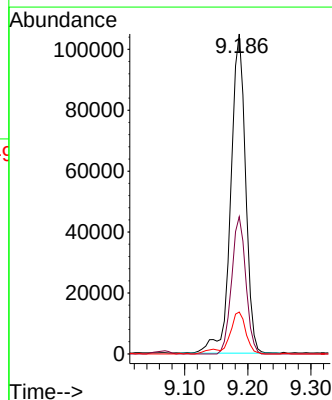
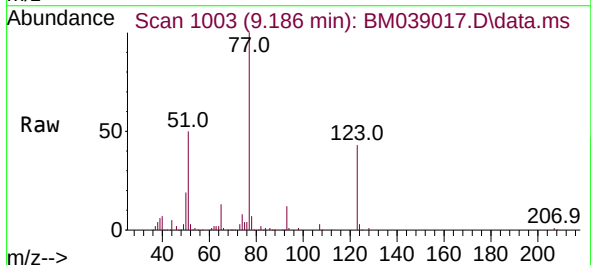
Manual Integrations
APPROVED

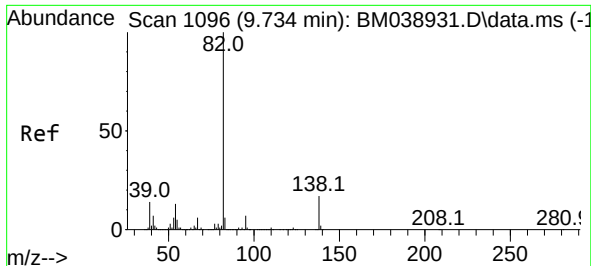
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#24
Nitrobenzene
Concen: 5.499 ng
RT: 9.186 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

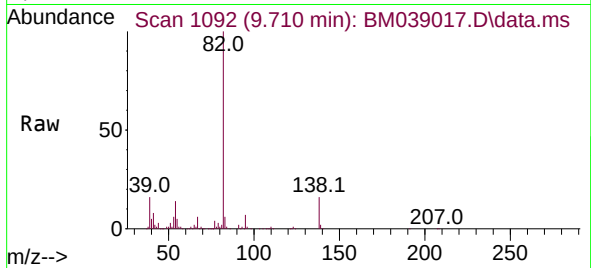
Tgt Ion: 77 Resp: 171024
Ion Ratio Lower Upper
77 100
123 42.9 35.8 53.6
65 13.1 10.2 15.4





#25
Isophorone
Concen: 5.436 ng
RT: 9.710 min Scan# 1096
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

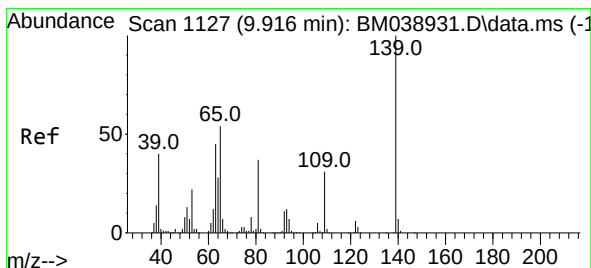
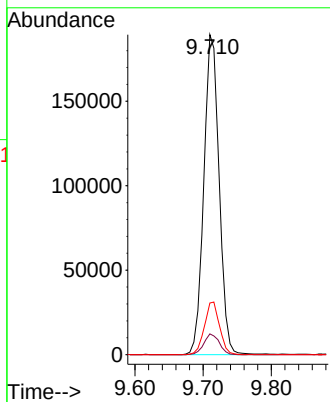
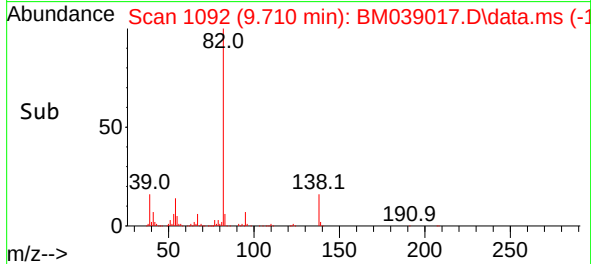
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 82 Resp: 296024
Ion Ratio Lower Upper
82 100
95 6.5 5.2 7.8
138 16.1 13.6 20.4

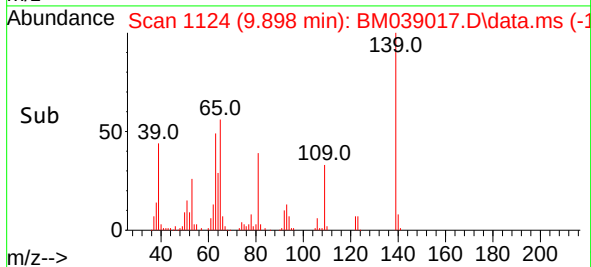
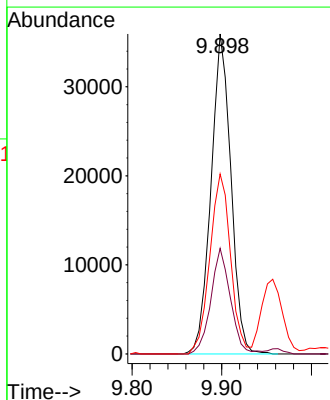
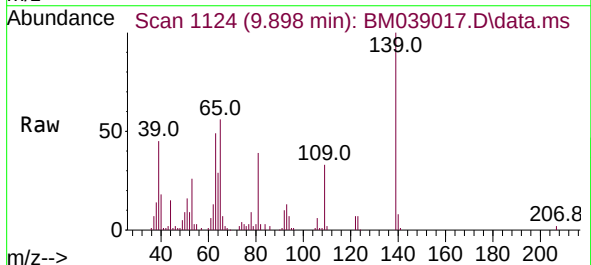
Manual Integrations
APPROVED

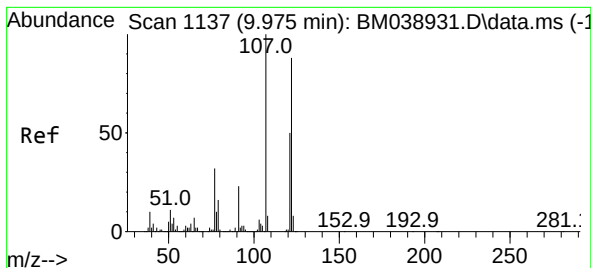
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#26
2-Nitrophenol
Concen: 4.539 ng
RT: 9.898 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

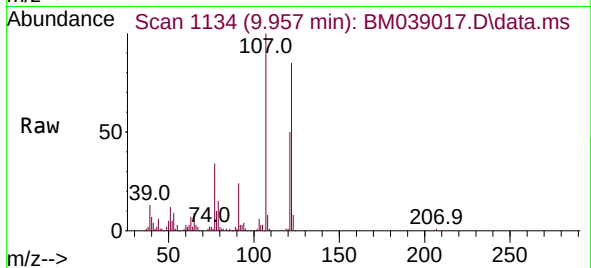
Tgt Ion:139 Resp: 55796
Ion Ratio Lower Upper
139 100
109 33.0 24.5 36.7
65 56.2 43.0 64.6





#27
2,4-Dimethylphenol
Concen: 4.969 ng
RT: 9.957 min Scan# 1134
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

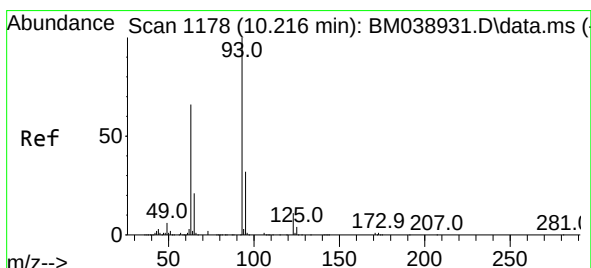
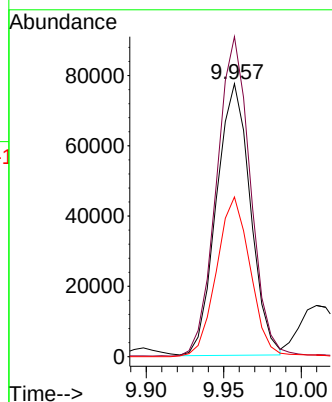
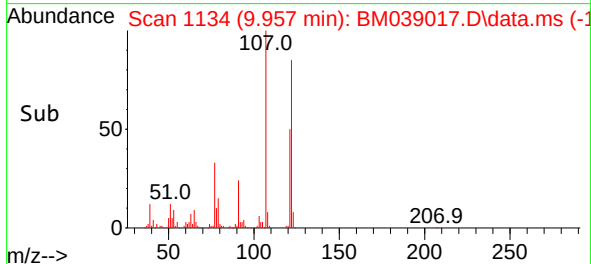
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT1-2023



Tgt Ion:122 Resp: 117909
Ion Ratio Lower Upper
122 100
107 117.3 91.0 136.4
121 58.5 45.1 67.7

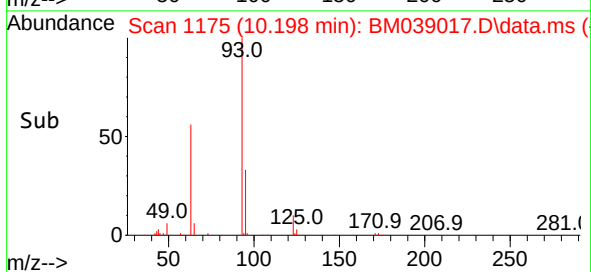
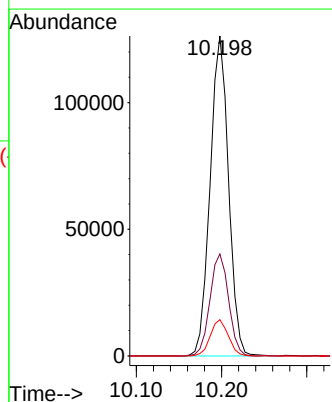
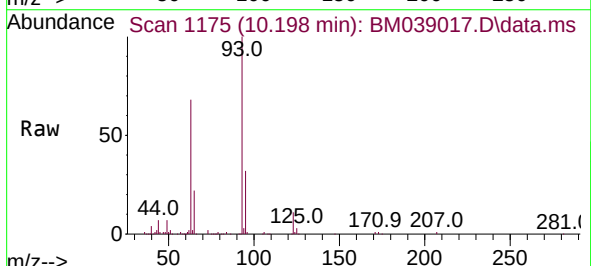
Manual Integrations
APPROVED

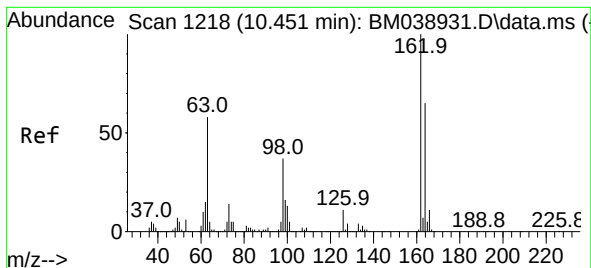
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#28
bis(2-Chloroethoxy)methane
Concen: 5.410 ng
RT: 10.198 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

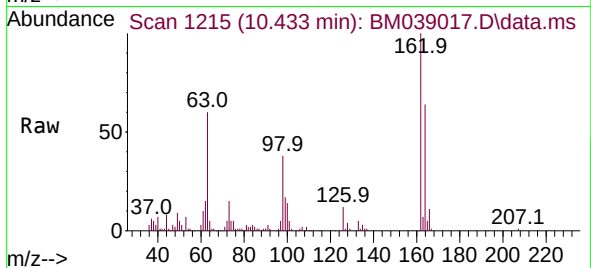
Tgt Ion: 93 Resp: 189304
Ion Ratio Lower Upper
93 100
95 31.9 25.9 38.9
123 11.3 8.8 13.2





#29
2,4-Dichlorophenol
Concen: 4.553 ng
RT: 10.433 min Scan# 1215
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

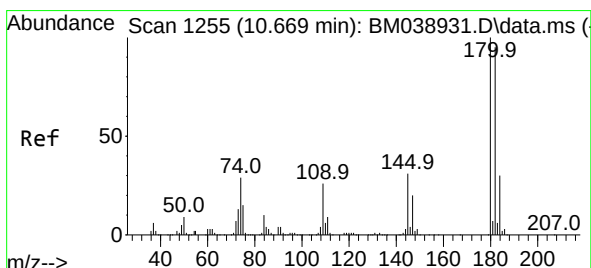
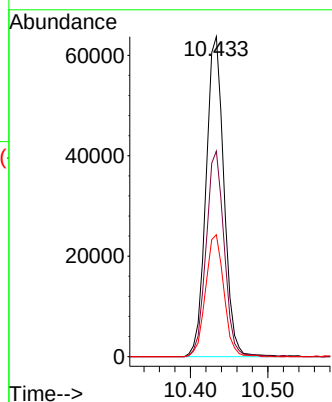
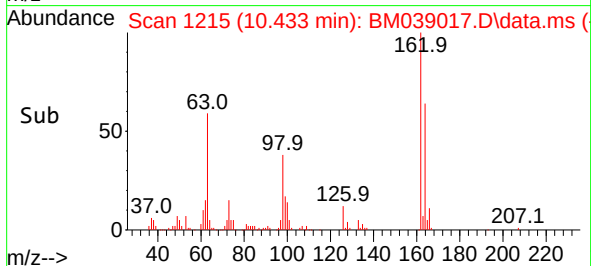
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



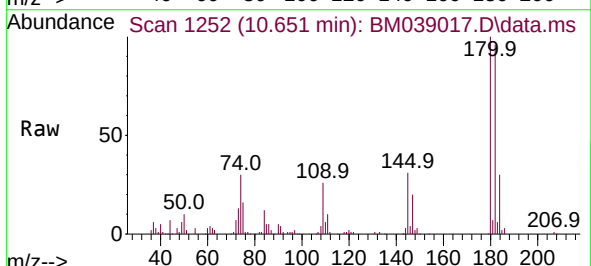
Tgt Ion:162 Resp: 102417
Ion Ratio Lower Upper
162 100
164 64.2 44.6 84.6
98 38.1 17.5 57.5

Manual Integrations
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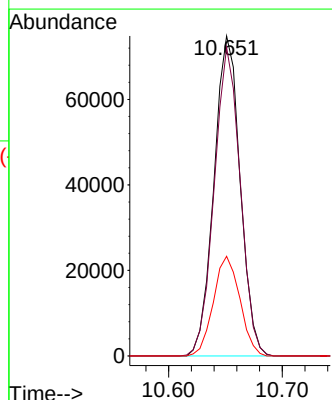
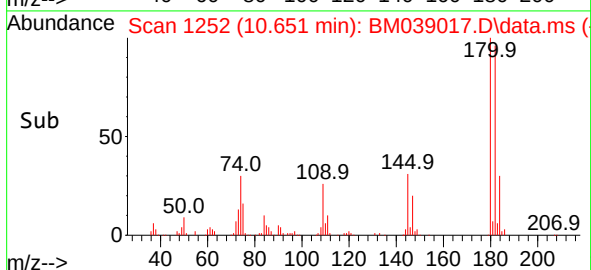
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

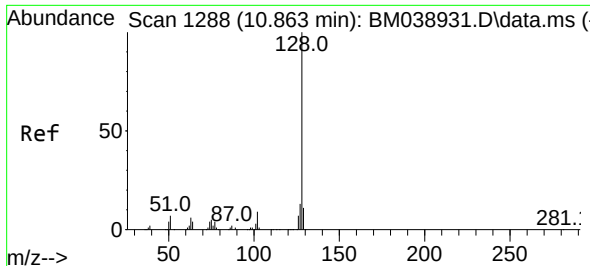


#30
1,2,4-Trichlorobenzene
Concen: 4.868 ng
RT: 10.651 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



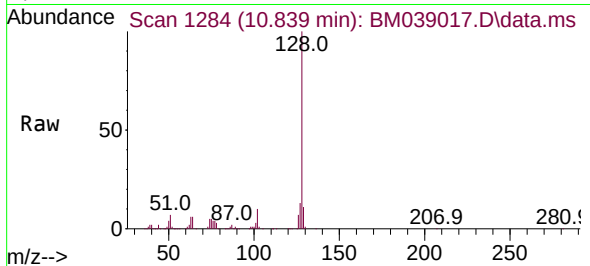
Tgt Ion:180 Resp: 119669
Ion Ratio Lower Upper
180 100
182 96.4 76.3 114.5
145 31.1 25.0 37.4





#31
Naphthalene
Concen: 5.046 ng
RT: 10.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

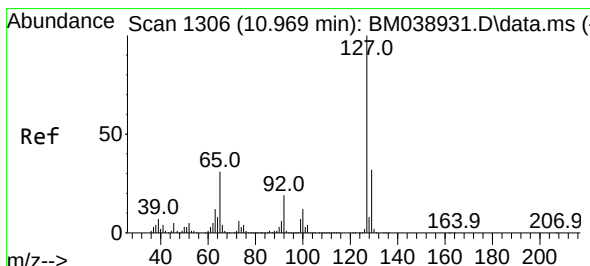
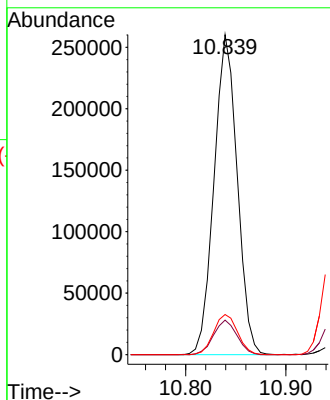
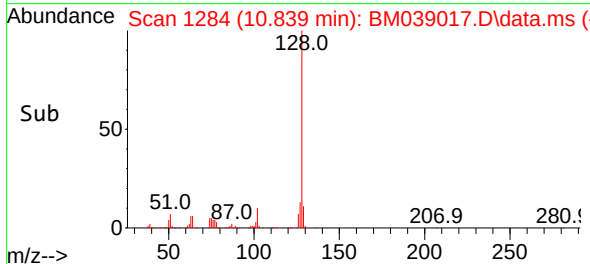
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



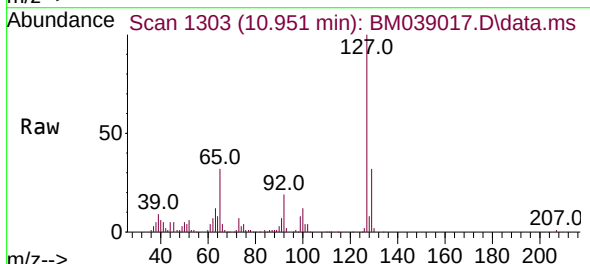
Tgt Ion:128 Resp: 41827
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 12.5 10.2 15.4

Manual Integrations
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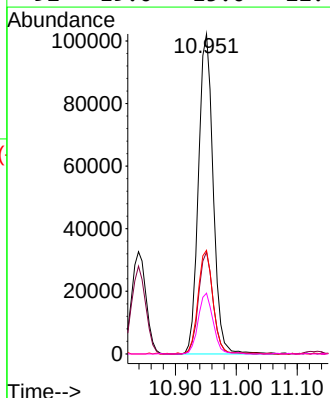
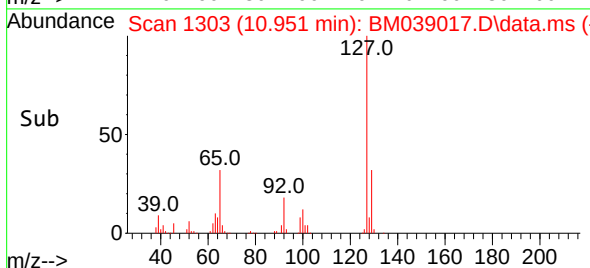
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

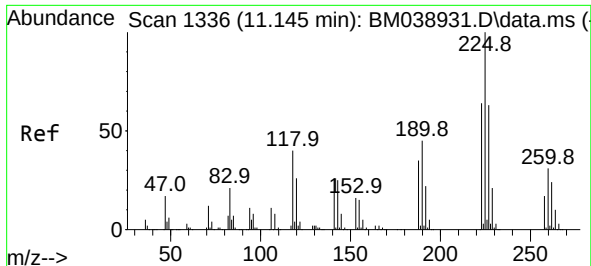


#33
4-Chloroaniline
Concen: 4.849 ng
RT: 10.951 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



Tgt Ion:127 Resp: 171276
Ion Ratio Lower Upper
127 100
129 31.8 25.4 38.2
65 32.4 24.4 36.6
92 19.0 15.0 22.4





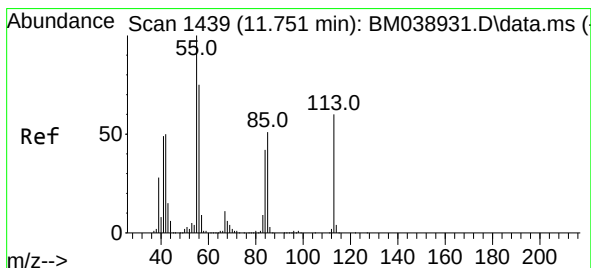
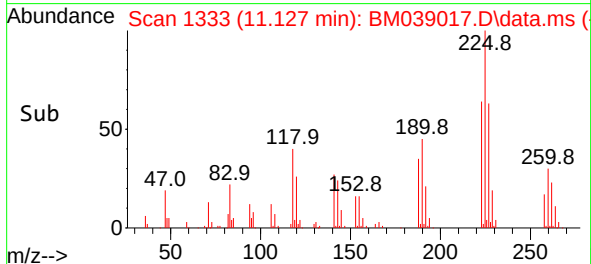
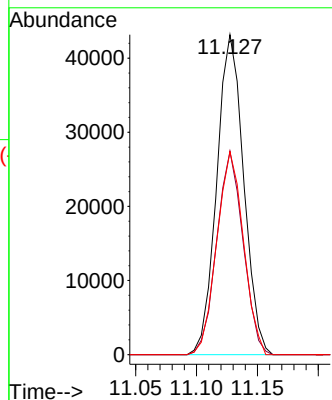
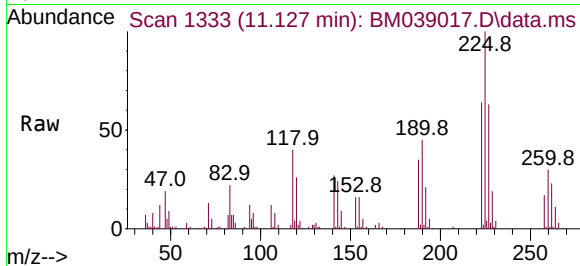
#34
Hexachlorobutadiene
Concen: 4.708 ng
RT: 11.127 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:225 Resp: 66376
Ion Ratio Lower Upper
225 100
223 61.1 51.3 76.9
227 61.0 50.6 76.0

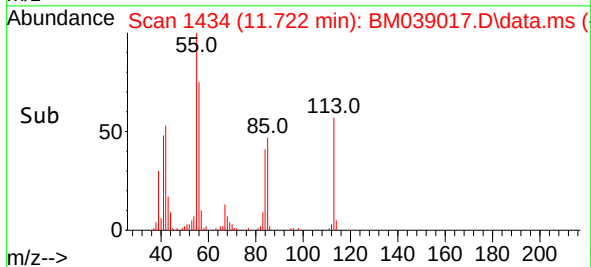
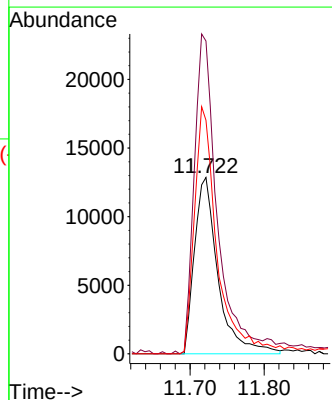
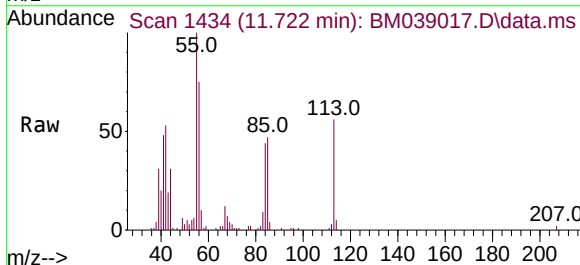
Manual Integrations
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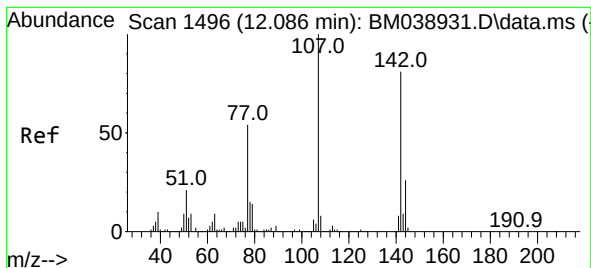
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#35
Caprolactam
Concen: 4.158 ng
RT: 11.722 min Scan# 1434
Delta R.T. -0.018 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:113 Resp: 28469
Ion Ratio Lower Upper
113 100
55 177.4 147.0 187.0
56 132.5 105.1 145.1





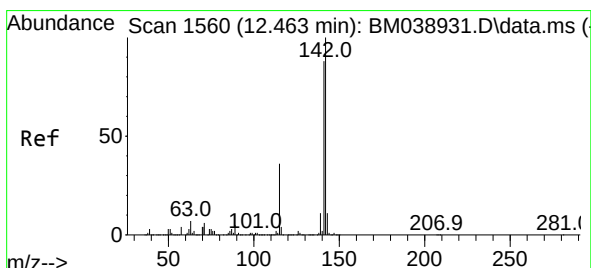
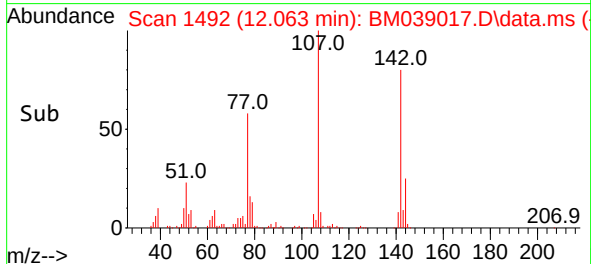
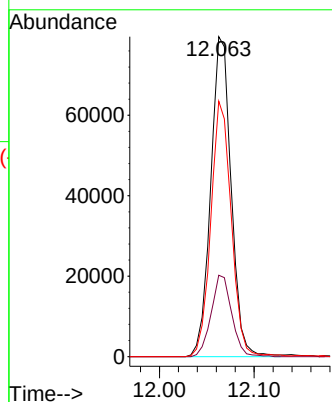
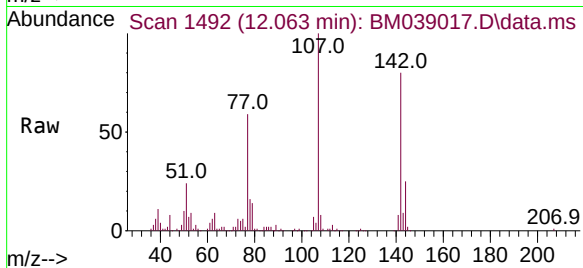
#36
4-Chloro-3-methylphenol
Concen: 4.982 ng
RT: 12.063 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:107 Resp: 119332
Ion Ratio Lower Upper
107 100
144 25.4 20.7 31.1
142 79.8 64.6 97.0

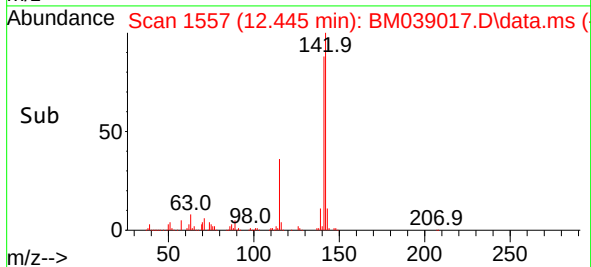
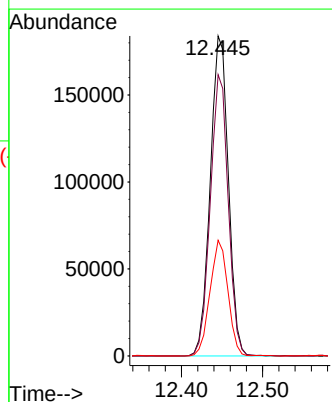
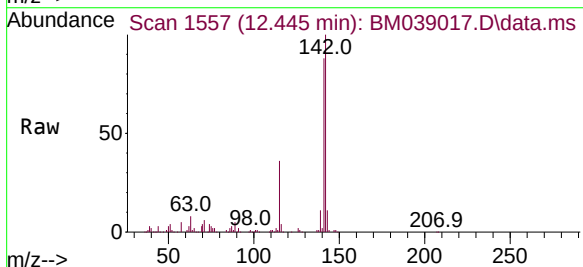
Manual Integrations
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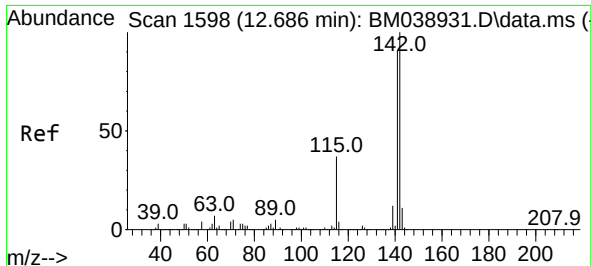
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#37
2-Methylnaphthalene
Concen: 5.145 ng
RT: 12.445 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

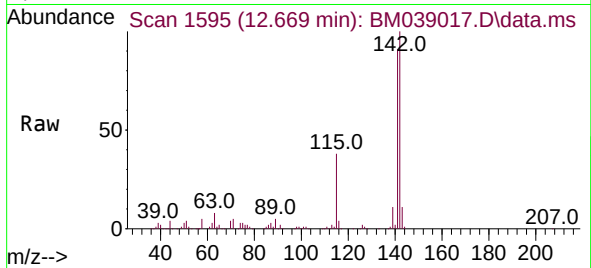
Tgt Ion:142 Resp: 285814
Ion Ratio Lower Upper
142 100
141 87.9 70.6 106.0
115 36.1 28.5 42.7





#38
1-Methylnaphthalene
Concen: 5.148 ng
RT: 12.669 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

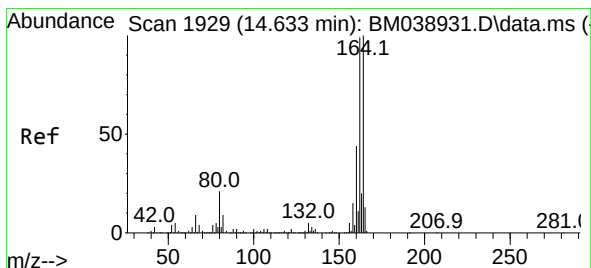
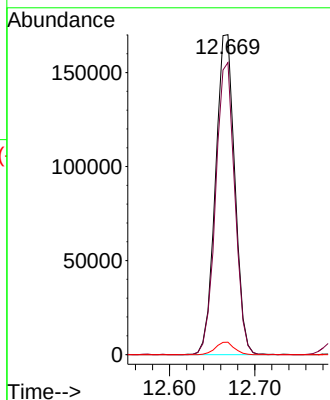
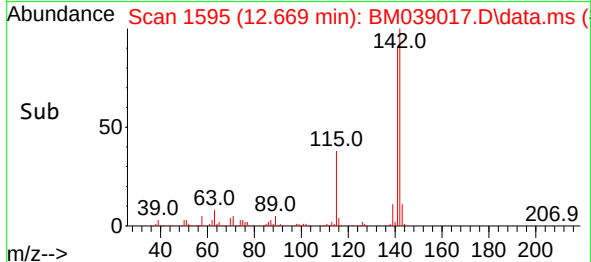
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



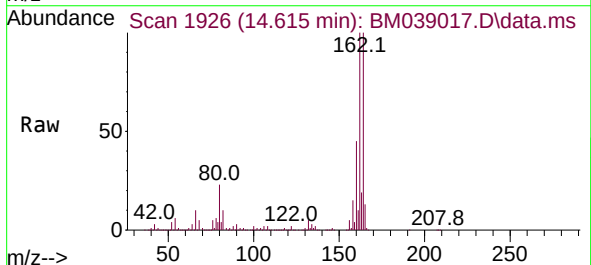
Tgt Ion:142 Resp: 267991
Ion Ratio Lower Upper
142 100
141 91.3 72.8 109.2
116 3.9 3.0 4.4

Manual Integrations
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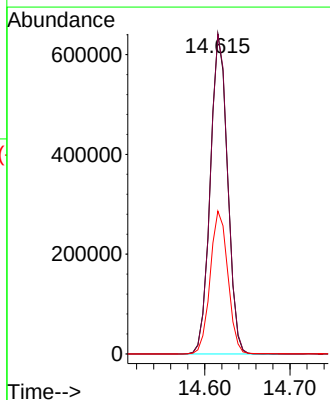
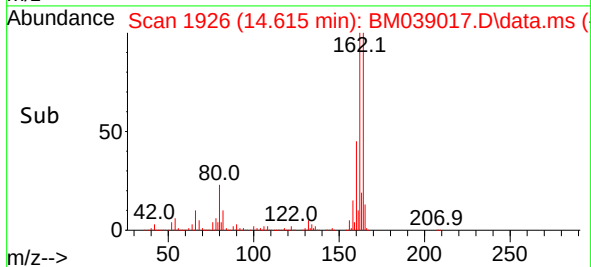
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

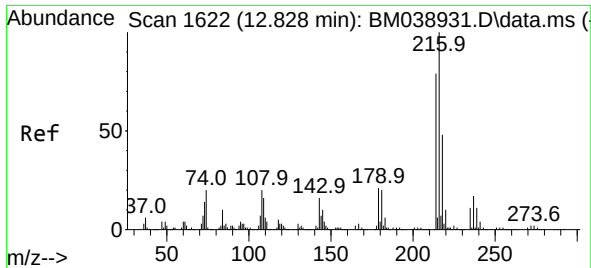


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



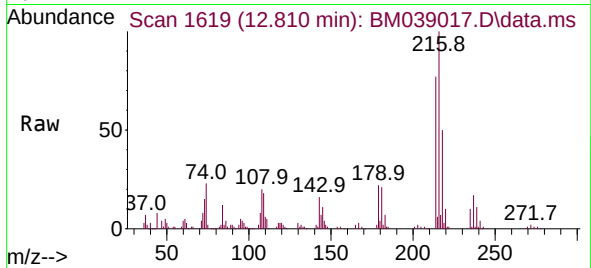
Tgt Ion:164 Resp: 902262
Ion Ratio Lower Upper
164 100
162 99.8 79.2 118.8
160 44.6 35.5 53.3





#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.850 ng
RT: 12.810 min Scan# 1619
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

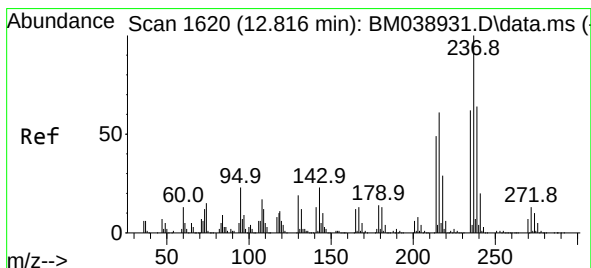
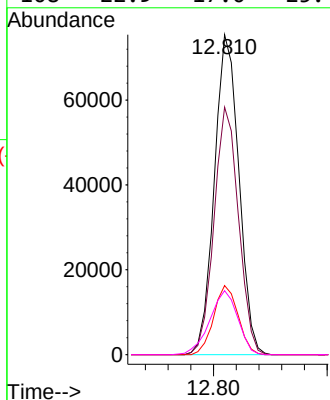
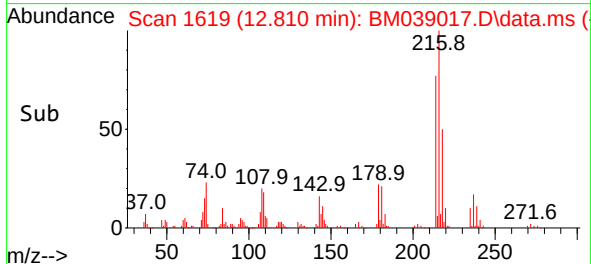
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



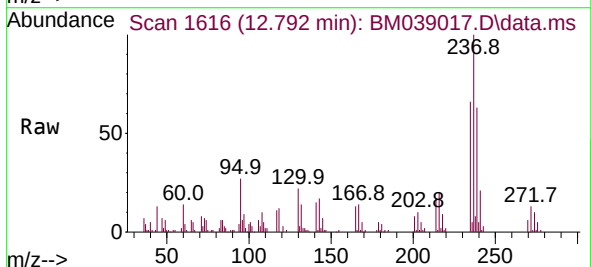
Tgt Ion:216 Resp: 112920
Ion Ratio Lower Upper
216 100
214 77.2 63.0 94.4
179 21.5 16.8 25.2
108 22.9 17.0 25.4

Manual Integrations
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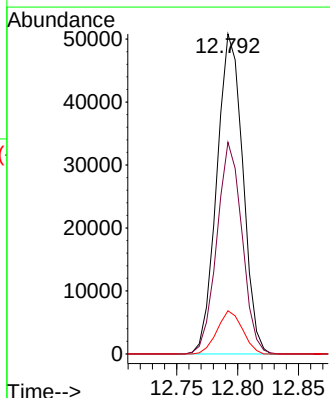
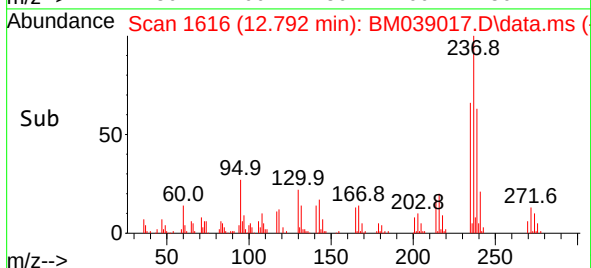
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

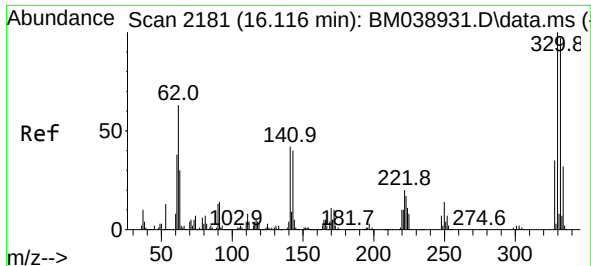


#41
Hexachlorocyclopentadiene
Concen: 4.688 ng
RT: 12.792 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



Tgt Ion:237 Resp: 75483
Ion Ratio Lower Upper
237 100
235 66.1 41.7 81.7
272 13.5 0.0 33.2





#42

2,4,6-Tribromophenol

Concen: 109.856 ng

RT: 16.104 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:330 Resp: 1146648

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.0

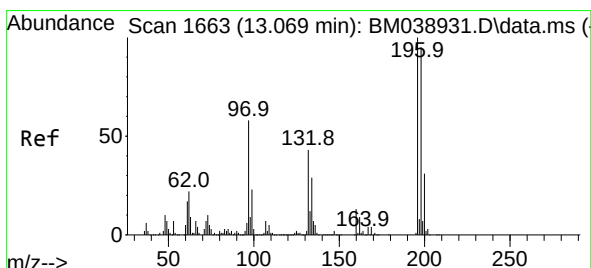
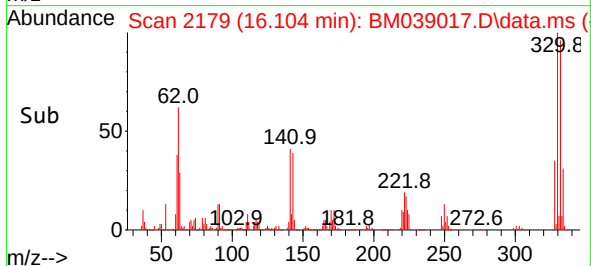
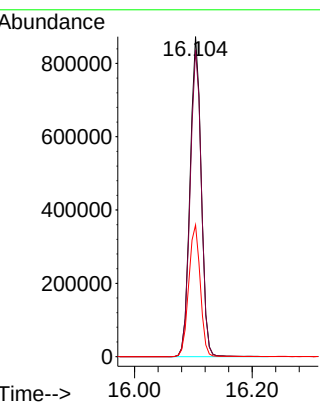
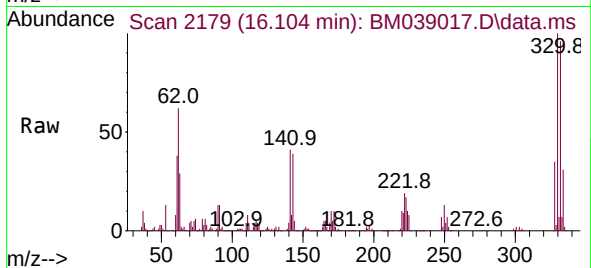
141 42.5 32.2 48.4

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#43

2,4,6-Trichlorophenol

Concen: 4.232 ng

RT: 13.051 min Scan# 1660

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

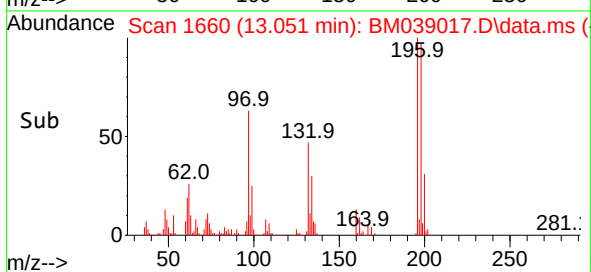
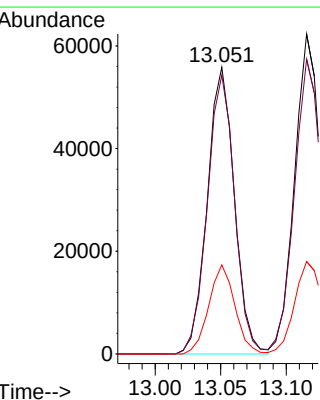
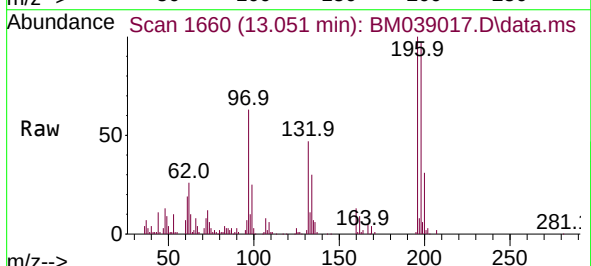
Tgt Ion:196 Resp: 80391

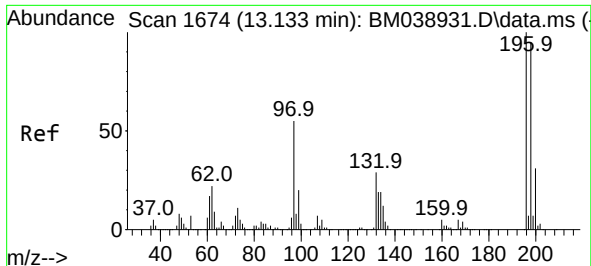
Ion Ratio Lower Upper

196 100

198 97.3 75.8 113.8

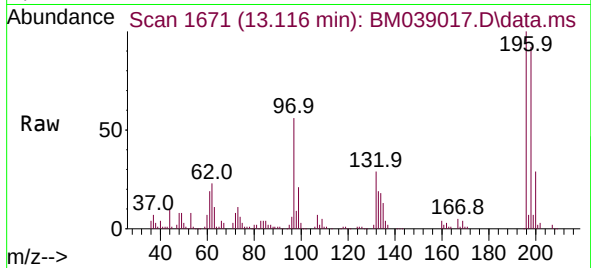
200 31.1 25.0 37.4





#44
2,4,5-Trichlorophenol
Concen: 3.989 ng
RT: 13.116 min Scan# 1671
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

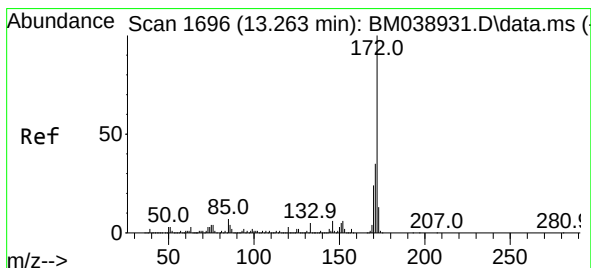
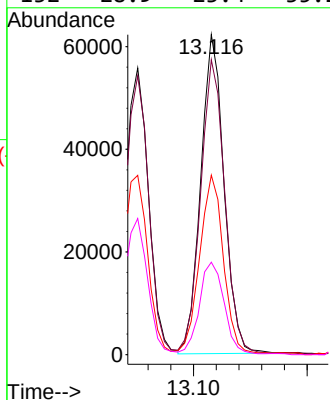
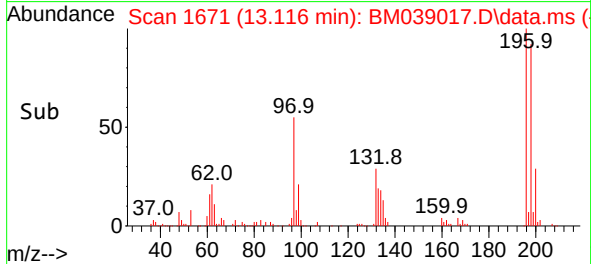
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



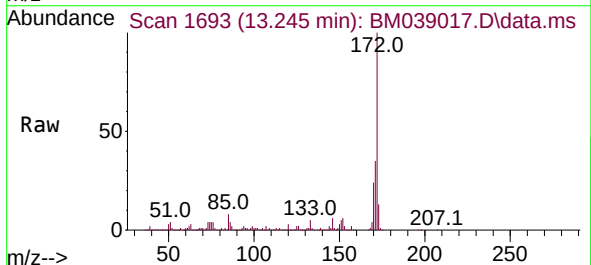
Tgt Ion:196 Resp: 88694
Ion Ratio Lower Upper
196 100
198 92.1 76.3 114.5
97 56.1 44.2 66.4
132 28.9 23.4 35.2

Manual Integrations
APPROVED

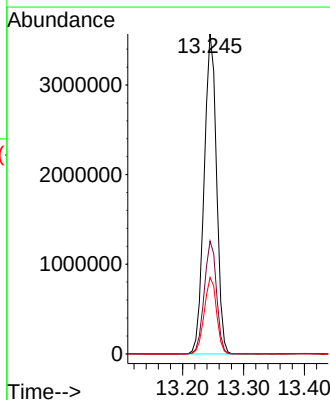
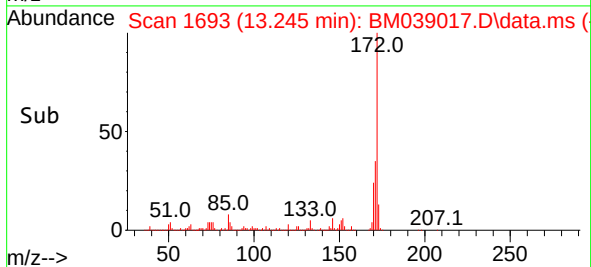
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

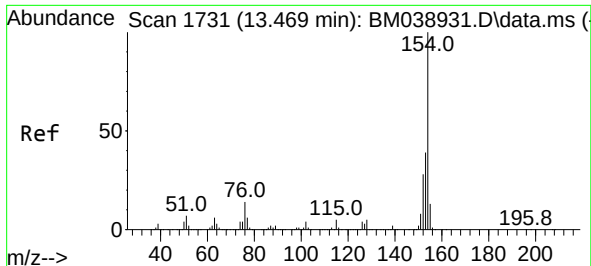


#45
2-Fluorobiphenyl
Concen: 72.592 ng
RT: 13.245 min Scan# 1693
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



Tgt Ion:172 Resp: 5031262
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.9 19.1 28.7





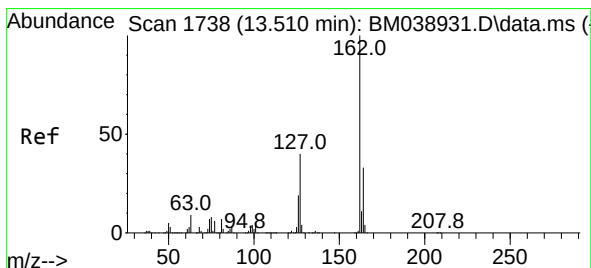
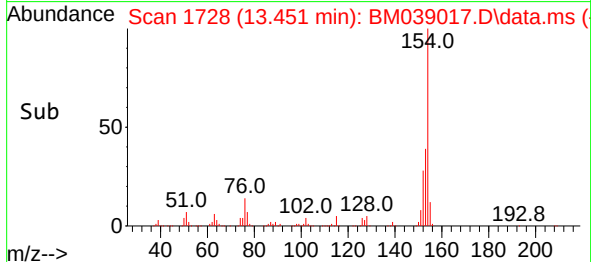
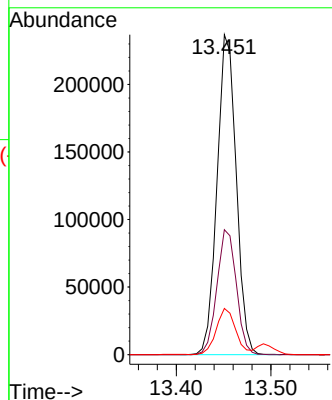
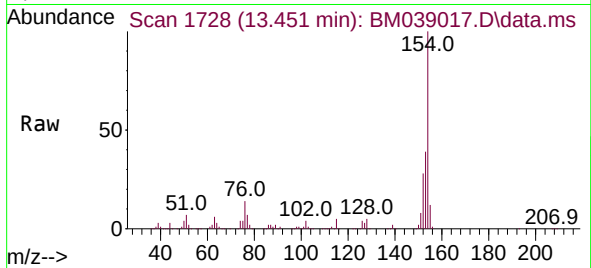
#46
1,1'-Biphenyl
Concen: 4.353 ng
RT: 13.451 min Scan# 1730
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:154 Resp: 332697
Ion Ratio Lower Upper
154 100
153 39.0 19.3 59.3
76 14.4 0.0 34.0

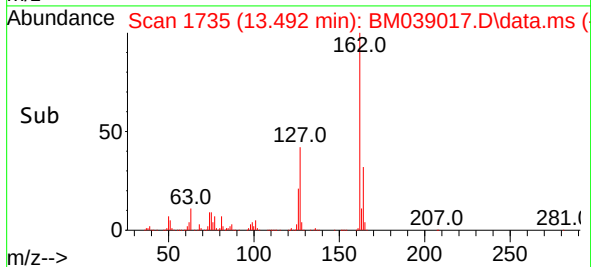
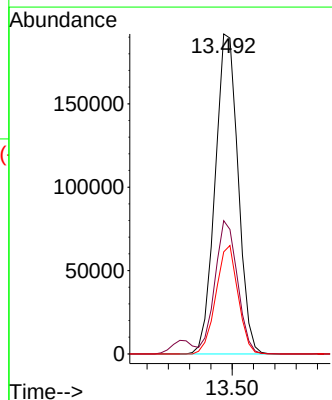
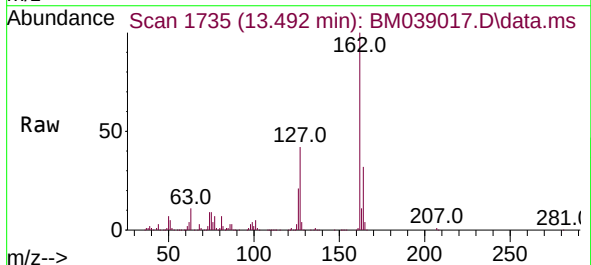
Manual Integrations
APPROVED

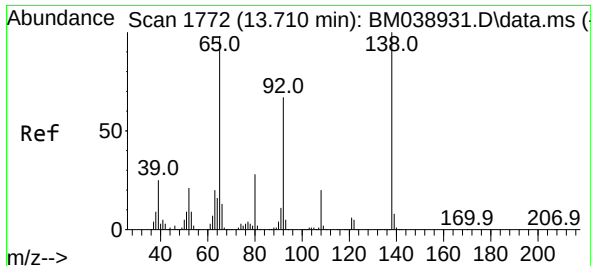
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#47
2-Chloronaphthalene
Concen: 4.990 ng
RT: 13.492 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:162 Resp: 287636
Ion Ratio Lower Upper
162 100
127 41.6 32.1 48.1
164 31.9 26.2 39.4





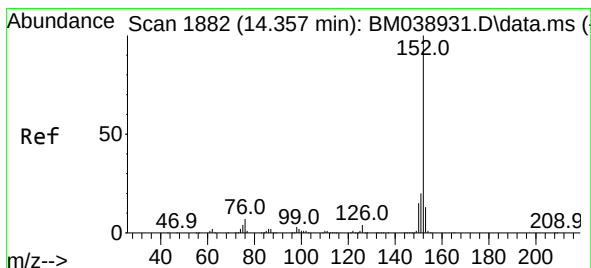
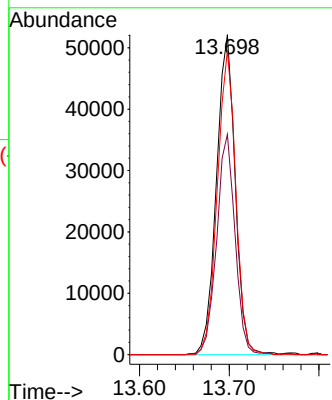
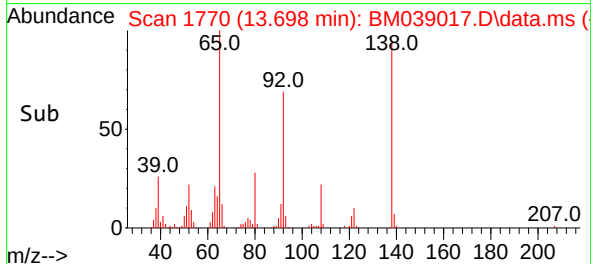
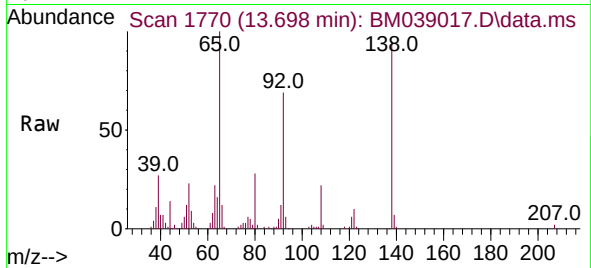
#48
2-Nitroaniline
Concen: 4.570 ng
RT: 13.698 min Scan# 1770
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion: 65 Resp: 75646
Ion Ratio Lower Upper
65 100
92 68.8 54.9 82.3
138 95.1 81.6 122.4

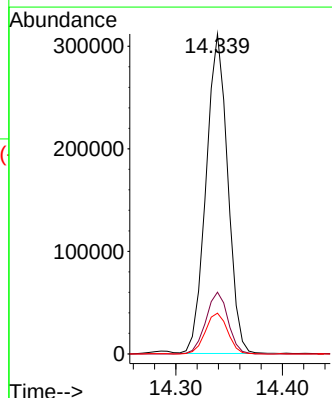
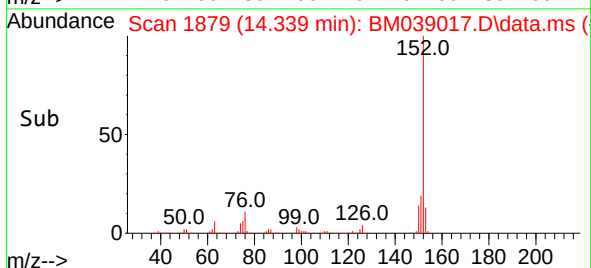
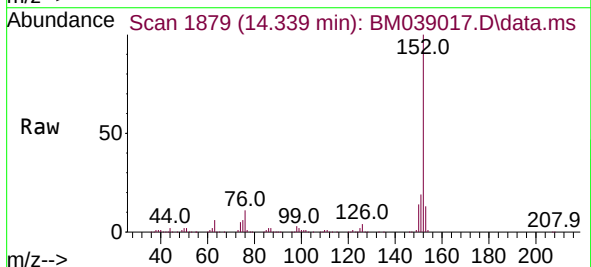
Manual Integrations
APPROVED

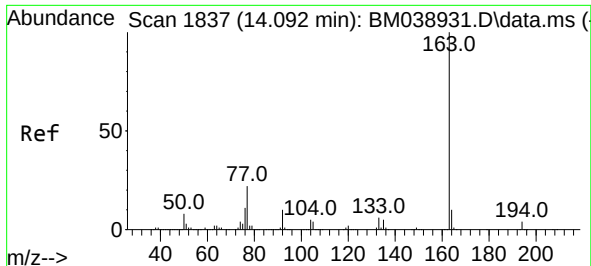
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#49
Acenaphthylene
Concen: 4.779 ng
RT: 14.339 min Scan# 1879
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:152 Resp: 438721
Ion Ratio Lower Upper
152 100
151 19.3 15.8 23.8
153 12.7 10.4 15.6





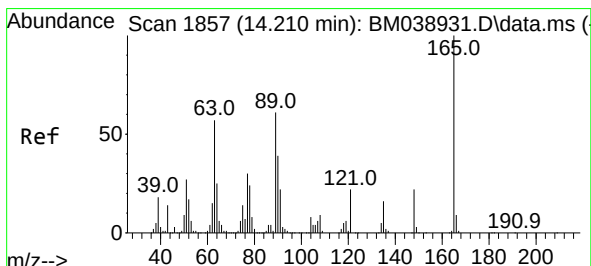
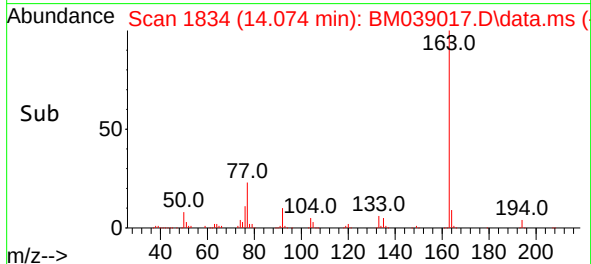
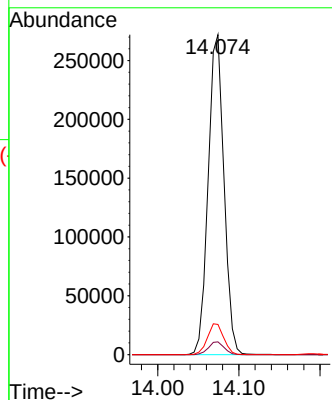
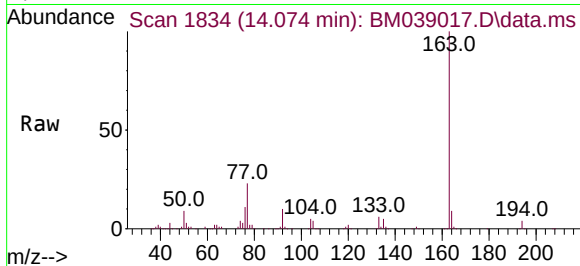
#50
Dimethylphthalate
Concen: 5.307 ng
RT: 14.074 min Scan# 1834
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:163 Resp: 368440
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.4 8.1 12.1

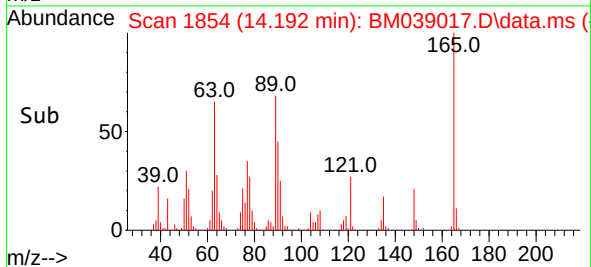
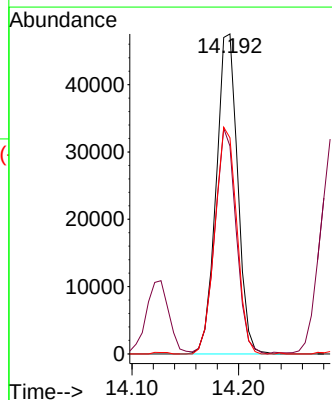
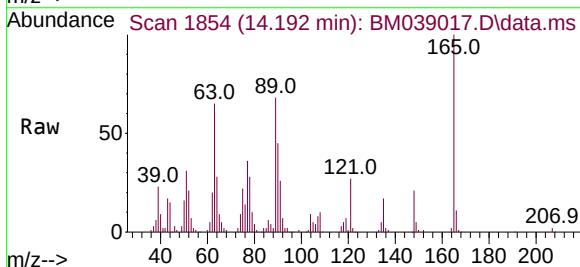
Manual Integrations
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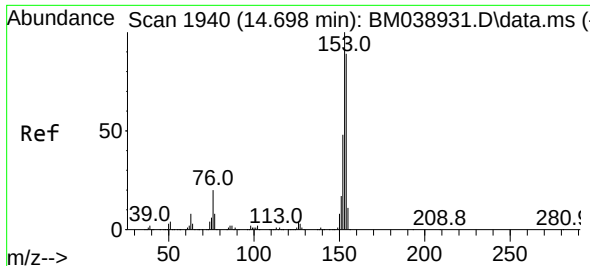
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#51
2,6-Dinitrotoluene
Concen: 4.704 ng
RT: 14.192 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

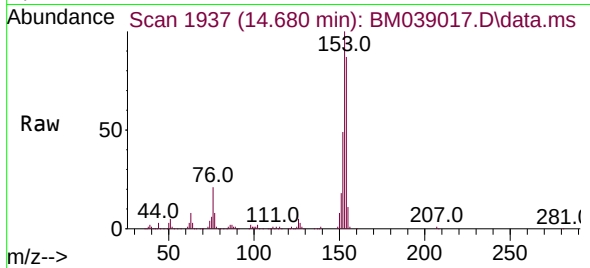
Tgt Ion:165 Resp: 66408
Ion Ratio Lower Upper
165 100
63 65.0 46.6 70.0
89 67.5 48.6 73.0





#52
Acenaphthene
Concen: 5.003 ng
RT: 14.680 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

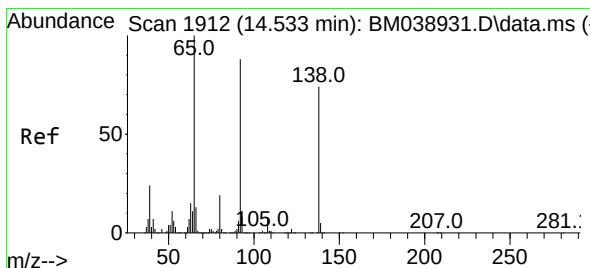
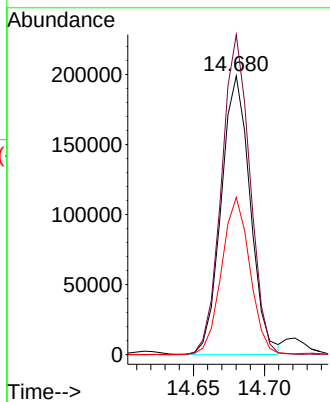
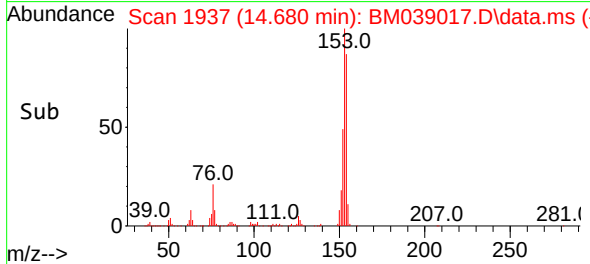
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



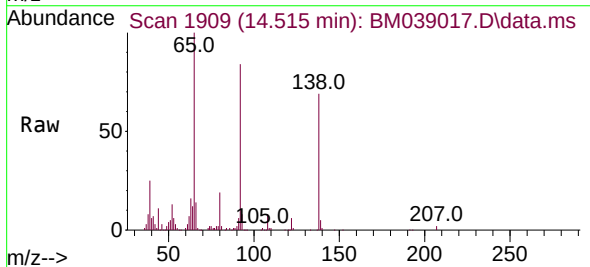
Tgt Ion:154 Resp: 282295
Ion Ratio Lower Upper
154 100
153 114.8 90.2 135.2
152 56.4 43.4 65.2

Manual Integrations
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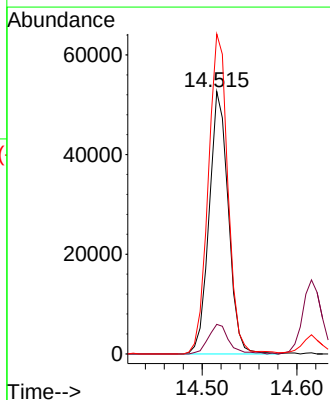
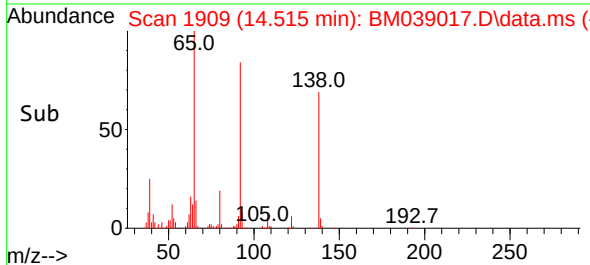
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

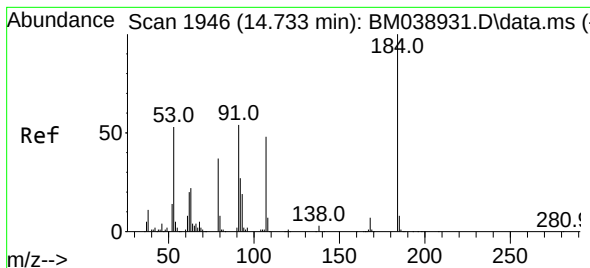


#53
3-Nitroaniline
Concen: 4.522 ng
RT: 14.515 min Scan# 1909
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



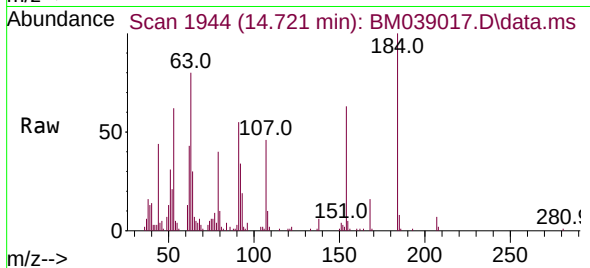
Tgt Ion:138 Resp: 73992
Ion Ratio Lower Upper
138 100
108 11.2 8.3 12.5
92 122.0 95.8 143.8





#54
2,4-Dinitrophenol
Concen: 3.429 ng
RT: 14.721 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

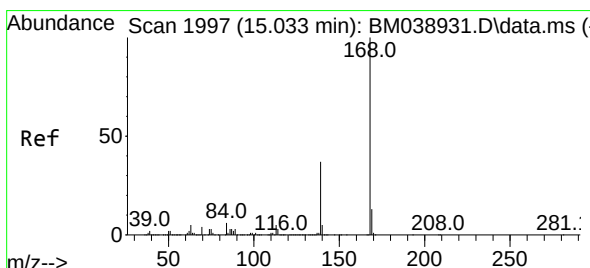
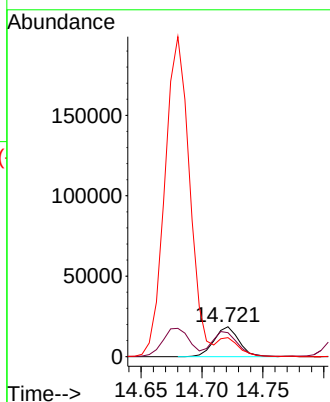
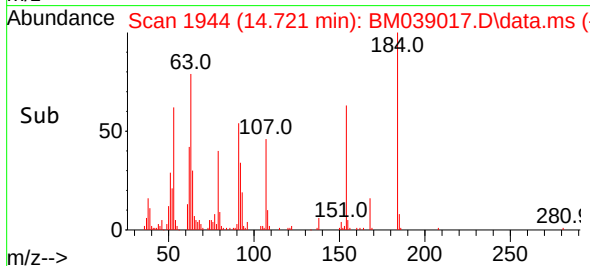
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



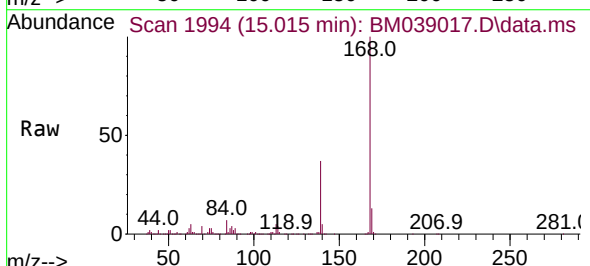
Tgt Ion:184 Resp: 26083
Ion Ratio Lower Upper
184 100
63 80.0 60.6 90.8
154 63.3 51.4 77.2

Manual Integrations
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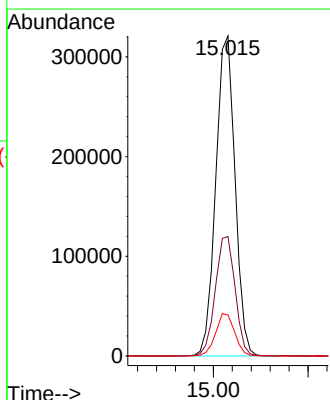
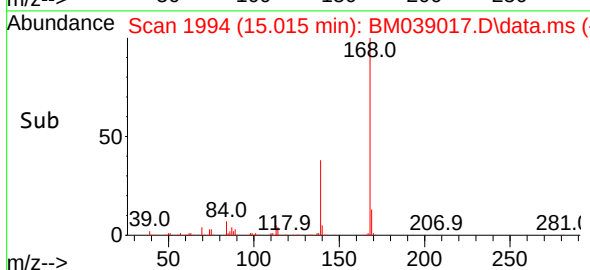
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

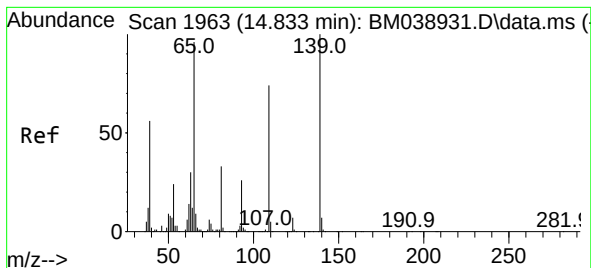


#55
Dibenzofuran
Concen: 5.125 ng
RT: 15.015 min Scan# 1994
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



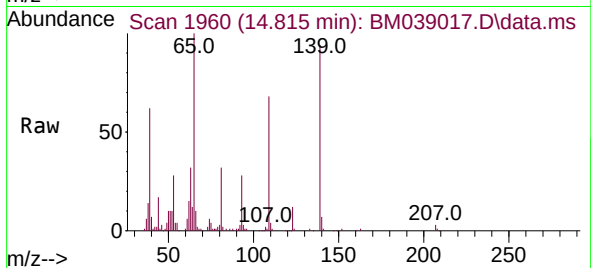
Tgt Ion:168 Resp: 452526
Ion Ratio Lower Upper
168 100
139 37.3 29.9 44.9
169 12.8 10.7 16.1





#56
4-Nitrophenol
Concen: 4.449 ng
RT: 14.815 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

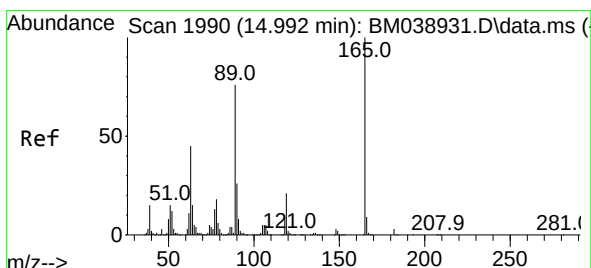
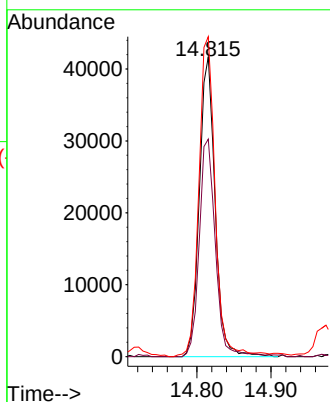
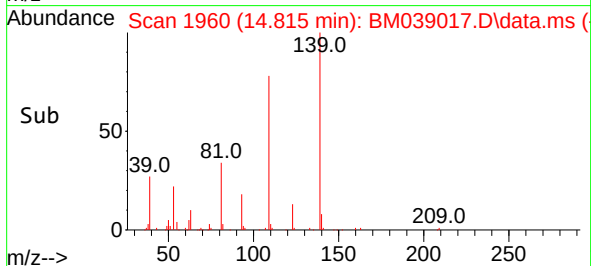
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



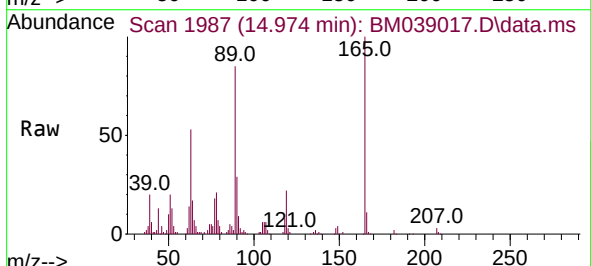
Tgt Ion:139 Resp: 61348
Ion Ratio Lower Upper
139 100
109 72.6 53.5 93.5
65 106.8 76.4 116.4

Manual Integrations
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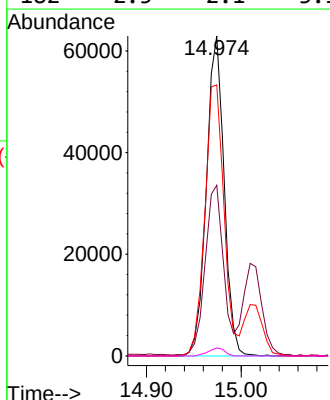
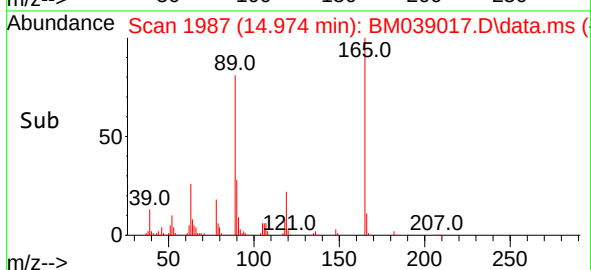
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

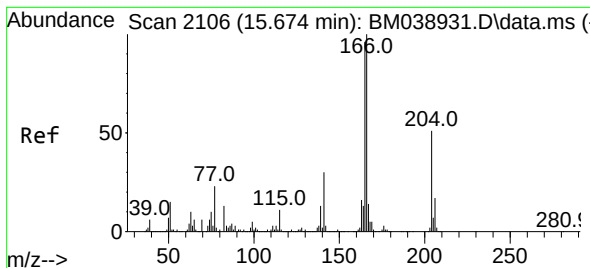


#57
2,4-Dinitrotoluene
Concen: 4.530 ng
RT: 14.974 min Scan# 1987
Delta R.T. 0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



Tgt Ion:165 Resp: 81888
Ion Ratio Lower Upper
165 100
63 53.3 35.9 53.9
89 84.7 61.0 91.6
182 2.5 2.1 3.1





#58

Fluorene

Concen: 5.160 ng

RT: 15.662 min Scan# 2104

Delta R.T. -0.000 min

Lab File: BM039017.D

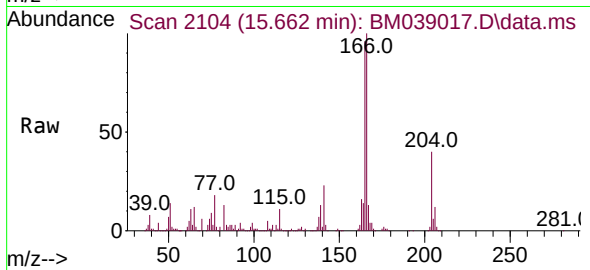
Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023



Tgt Ion:166 Resp: 356913

Ion Ratio Lower Upper

166 100

165 96.4 77.1 115.7

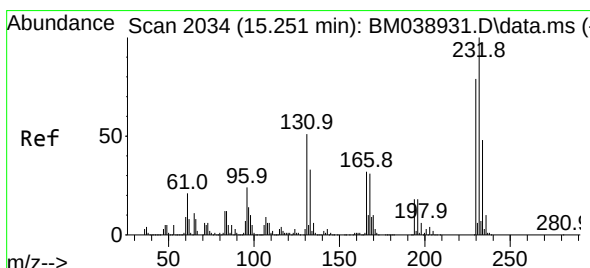
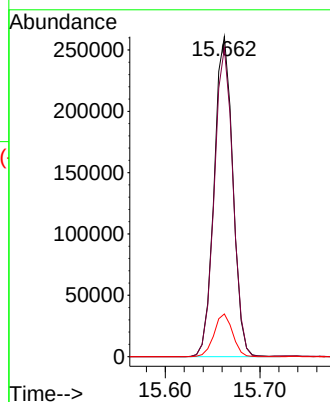
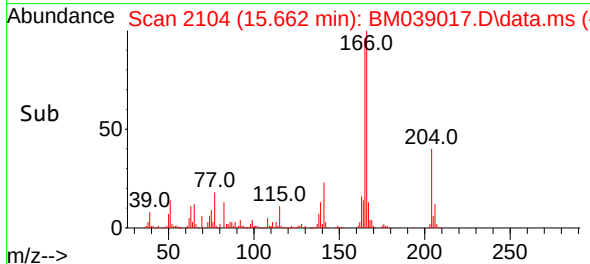
167 13.3 10.9 16.3

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.788 ng

RT: 15.239 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Tgt Ion:232 Resp: 82103

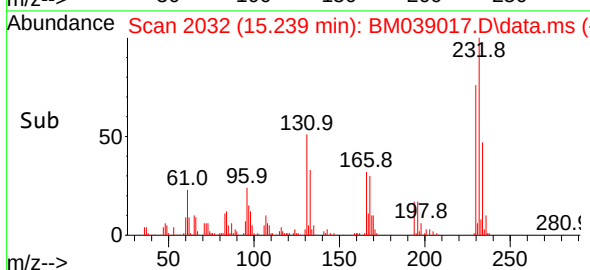
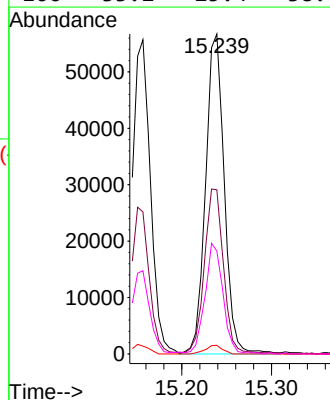
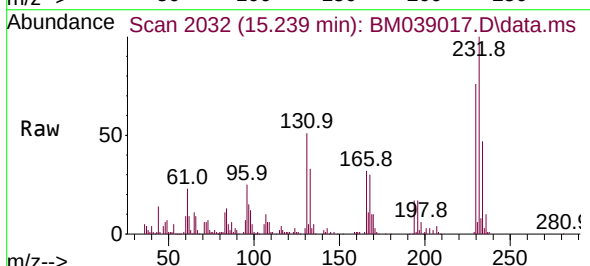
Ion Ratio Lower Upper

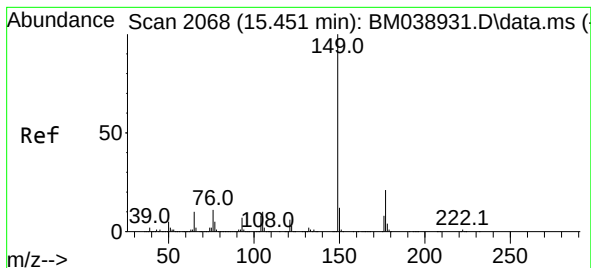
232 100

131 51.8 40.0 60.0

130 2.4 2.0 3.0

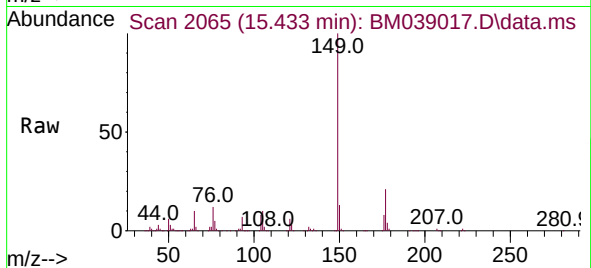
166 33.2 25.4 38.0





#60
Diethylphthalate
Concen: 5.326 ng
RT: 15.433 min Scan# 2065
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

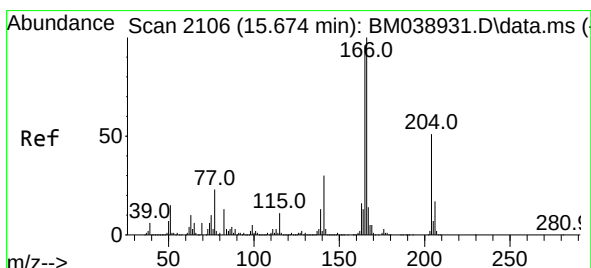
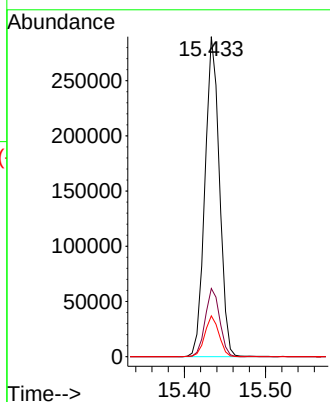
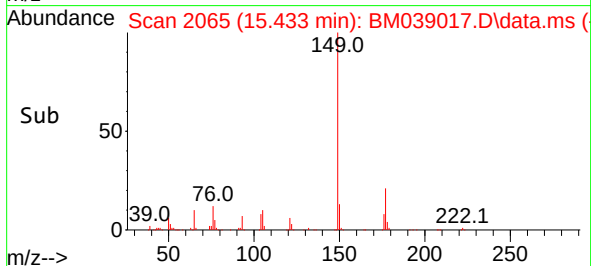
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



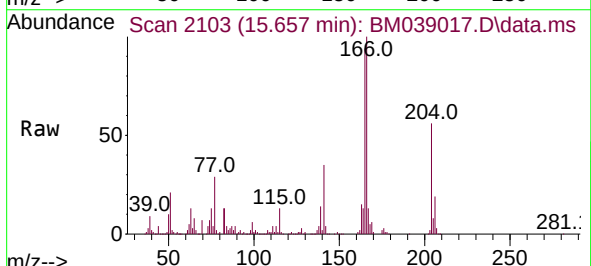
Tgt Ion:149 Resp: 359779
Ion Ratio Lower Upper
149 100
177 21.3 17.1 25.7
150 12.7 9.7 14.5

Manual Integrations
APPROVED

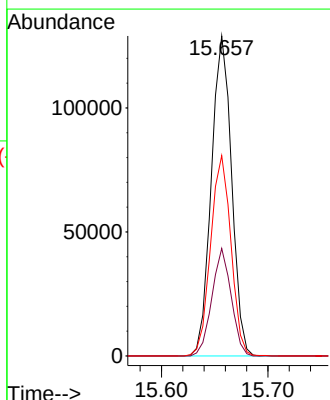
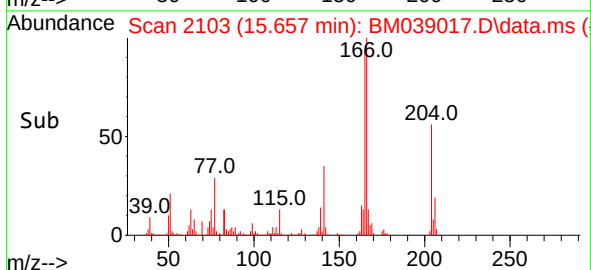
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

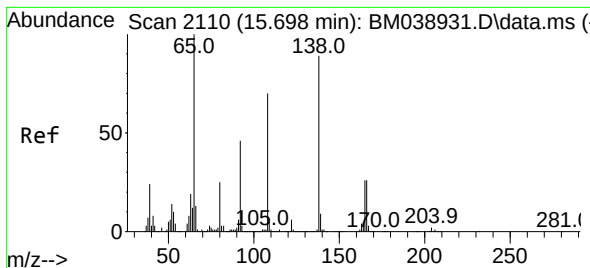


#61
4-Chlorophenyl-phenylether
Concen: 5.025 ng
RT: 15.657 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



Tgt Ion:204 Resp: 170753
Ion Ratio Lower Upper
204 100
206 33.6 26.4 39.6
141 62.6 46.4 69.6





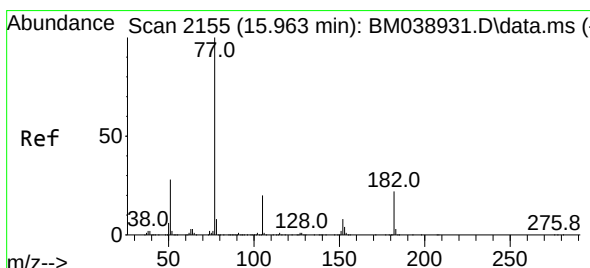
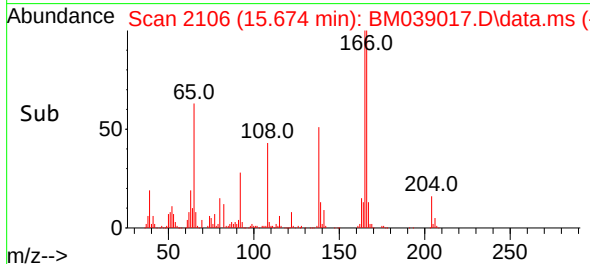
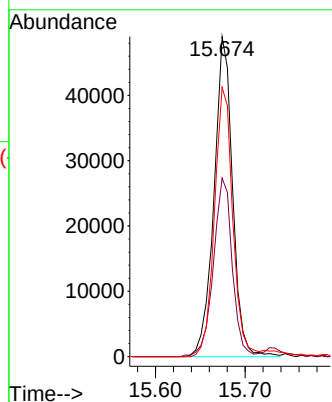
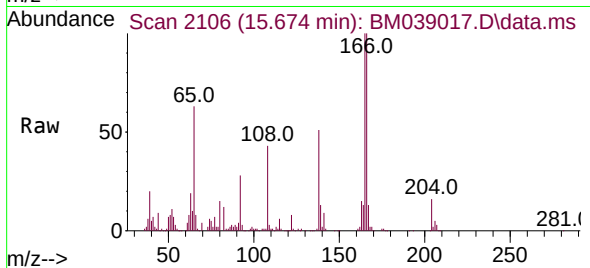
#62
4-Nitroaniline
Concen: 4.338 ng
RT: 15.674 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:138 Resp: 70845
Ion Ratio Lower Upper
138 100
92 55.8 31.6 71.6
108 84.1 58.6 98.6

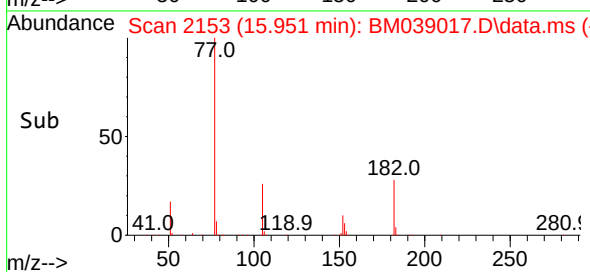
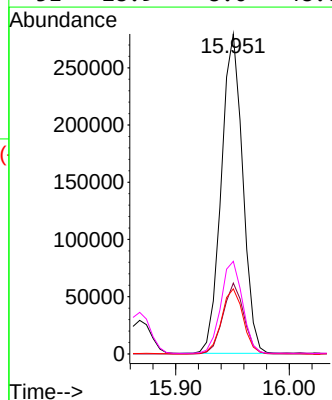
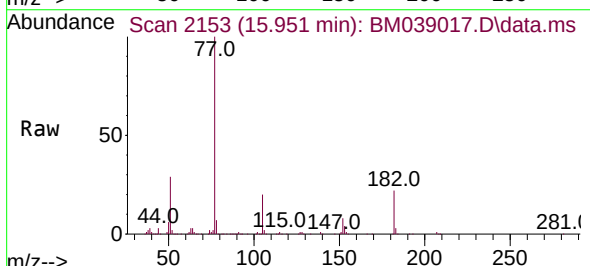
Manual Integrations
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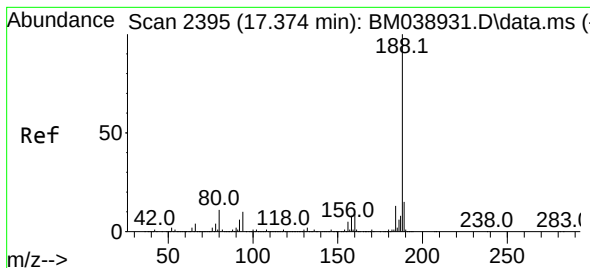
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#63
Azobenzene
Concen: 5.097 ng
RT: 15.951 min Scan# 2153
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion: 77 Resp: 364368
Ion Ratio Lower Upper
77 100
182 22.1 2.0 42.0
105 20.3 0.4 40.4
51 28.9 8.0 48.0





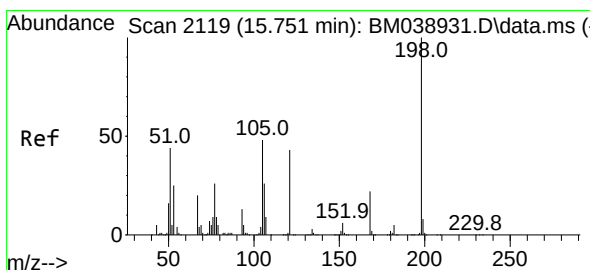
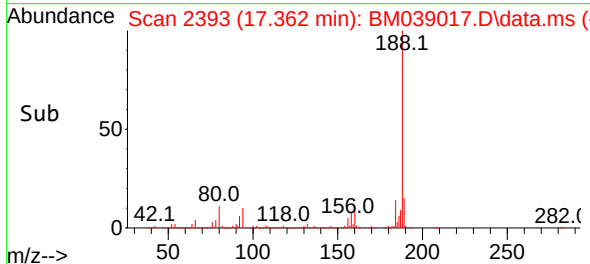
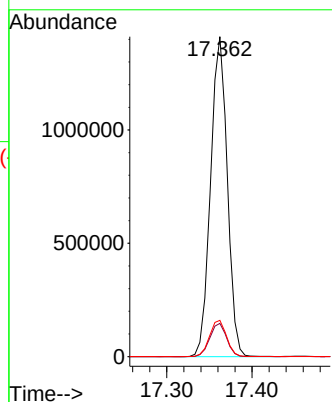
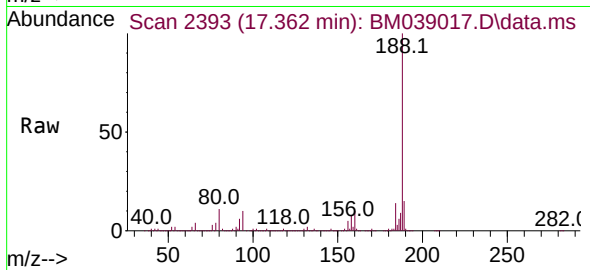
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.362 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:188 Resp: 1922709
Ion Ratio Lower Upper
188 100
94 10.4 7.9 11.9
80 11.3 8.5 12.7

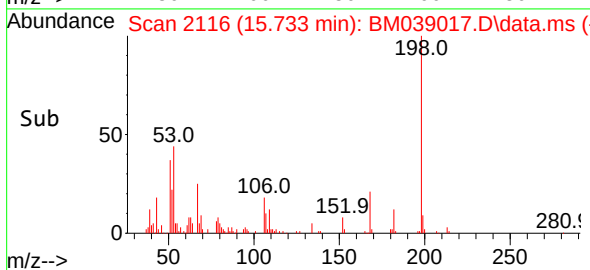
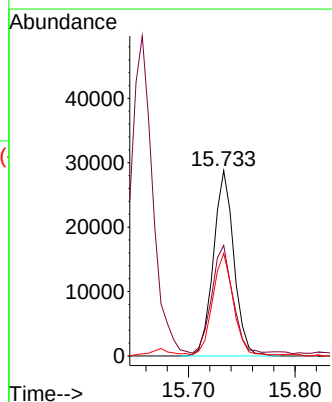
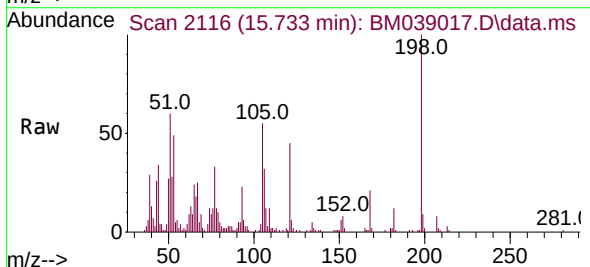
Manual Integrations
APPROVED

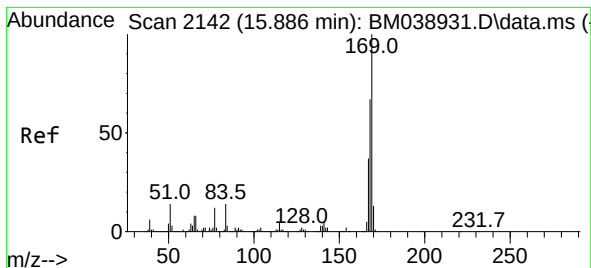
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#65
4,6-Dinitro-2-methylphenol
Concen: 3.345 ng
RT: 15.733 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:198 Resp: 38502
Ion Ratio Lower Upper
198 100
51 59.6 30.1 70.1
105 55.3 29.3 69.3





#66

n-Nitrosodiphenylamine

Concen: 4.583 ng

RT: 15.868 min Scan# 2142

Delta R.T. -0.006 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

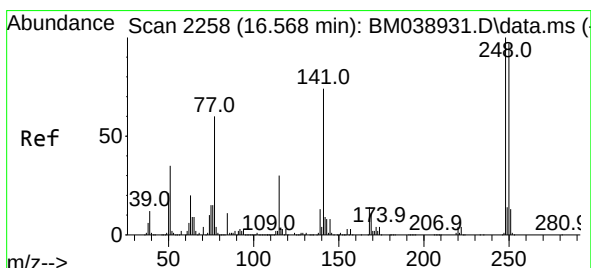
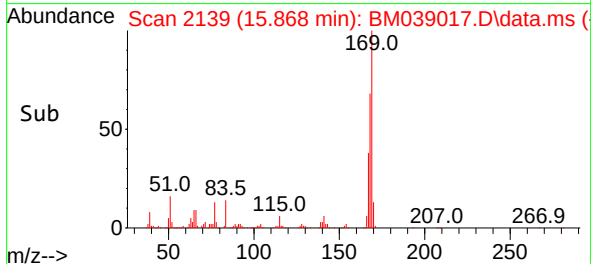
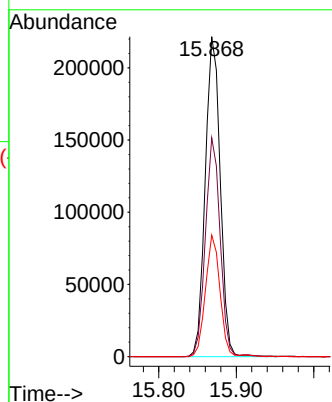
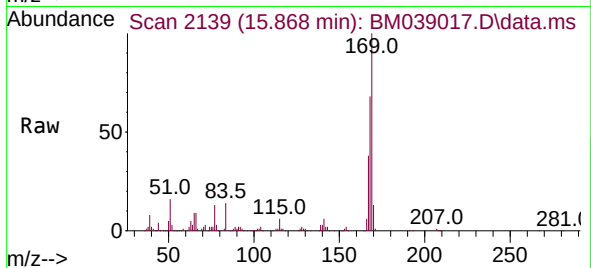
Tgt Ion:169 Resp: 297052
 Ion Ratio Lower Upper
 169 100
 168 68.4 53.4 80.0
 167 38.0 29.4 44.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#67

4-Bromophenyl-phenylether

Concen: 4.568 ng

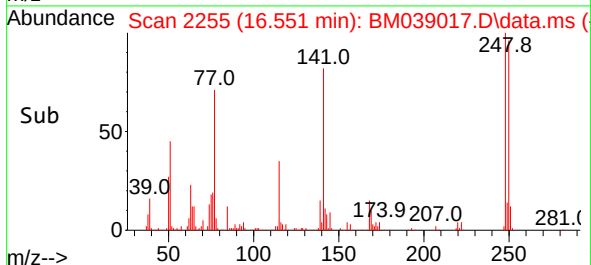
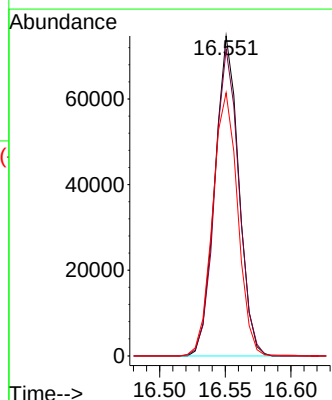
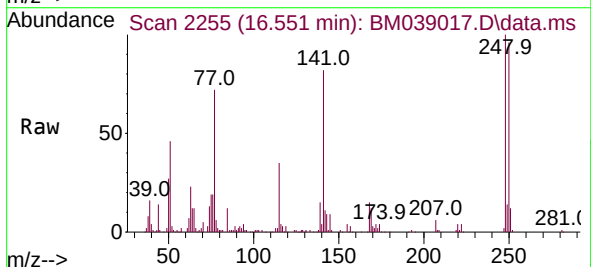
RT: 16.551 min Scan# 2255

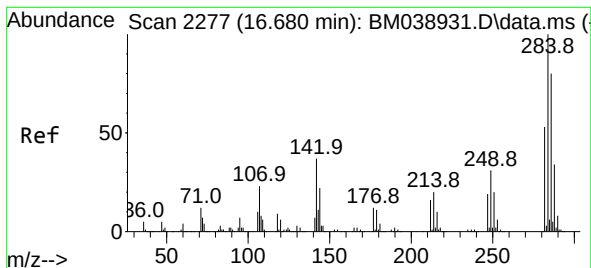
Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Tgt Ion:248 Resp: 94866
 Ion Ratio Lower Upper
 248 100
 250 95.8 77.8 116.8
 141 82.2 59.0 88.4





#68

Hexachlorobenzene

Concen: 5.047 ng

RT: 16.662 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:284 Resp: 117169

Ion Ratio Lower Upper

284 100

142 41.1 29.5 44.3

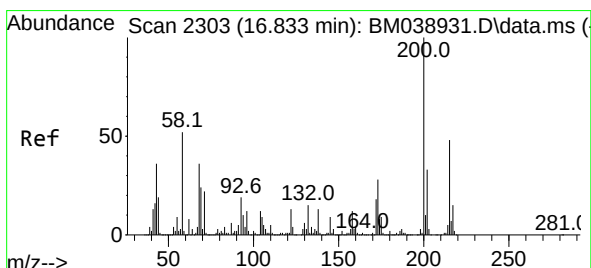
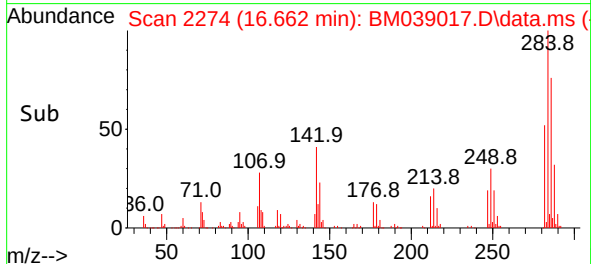
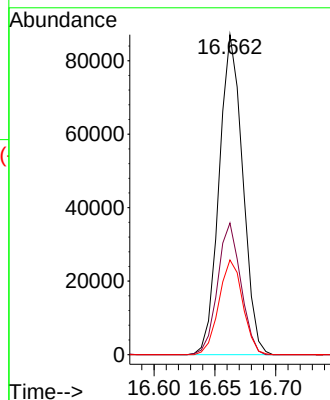
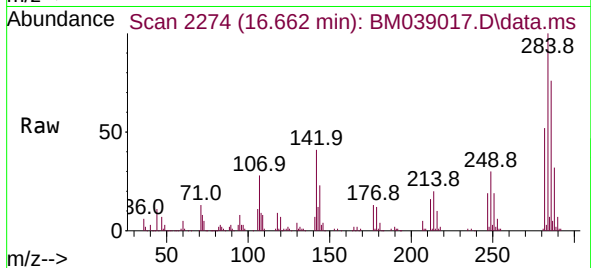
249 29.6 25.0 37.4

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#69

Atrazine

Concen: 4.267 ng

RT: 16.821 min Scan# 2301

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

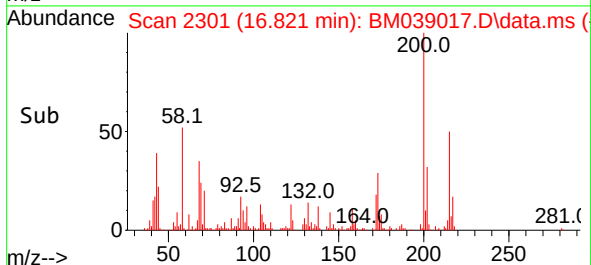
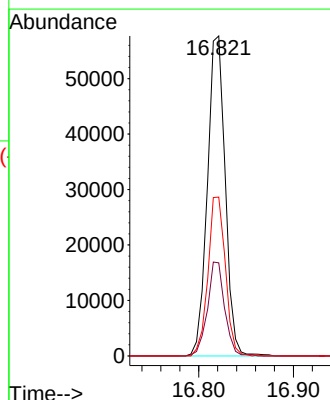
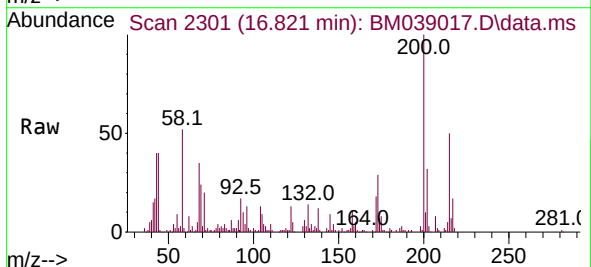
Tgt Ion:200 Resp: 75545

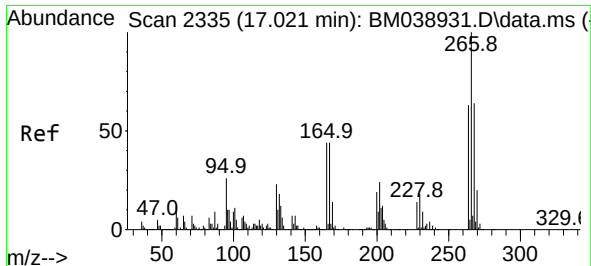
Ion Ratio Lower Upper

200 100

173 29.1 8.2 48.2

215 49.6 27.8 67.8





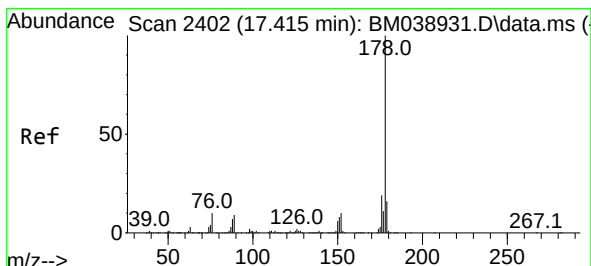
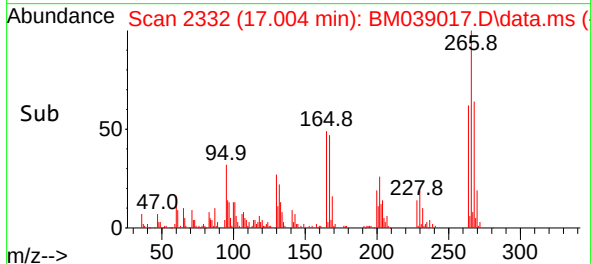
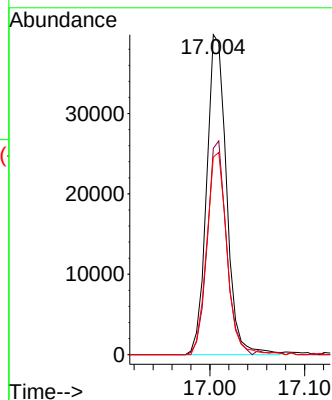
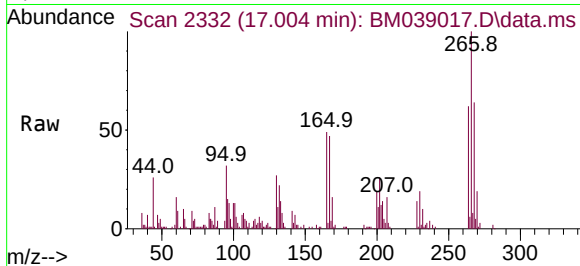
#70
Pentachlorophenol
Concen: 3.400 ng
RT: 17.004 min Scan# 2335
Delta R.T. -0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:266 Resp: 58060
Ion Ratio Lower Upper
266 100
268 64.5 51.0 76.4
264 61.8 50.3 75.5

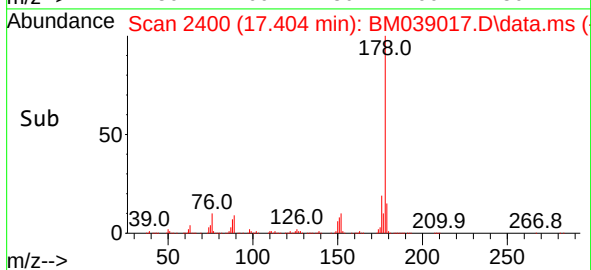
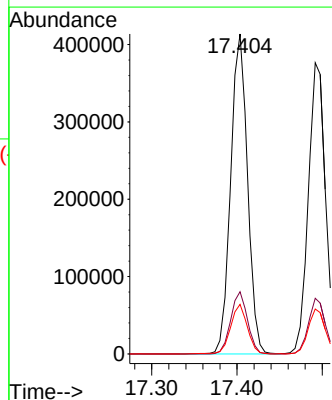
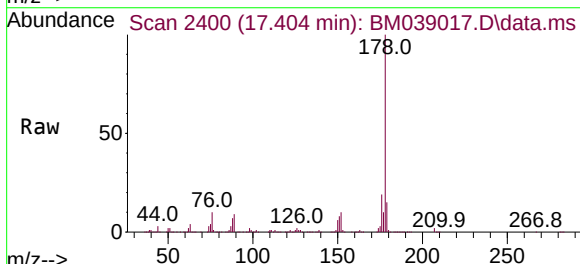
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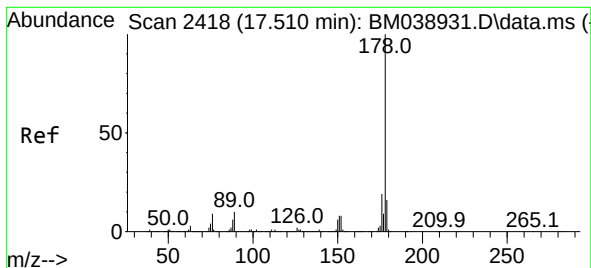
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#71
Phenanthrene
Concen: 5.024 ng
RT: 17.404 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:178 Resp: 566928
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.5 12.5 18.7





#72

Anthracene

Concen: 4.788 ng

RT: 17.492 min Scan# 2418

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:178 Resp: 538808

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

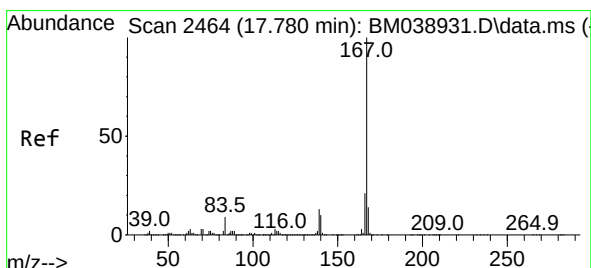
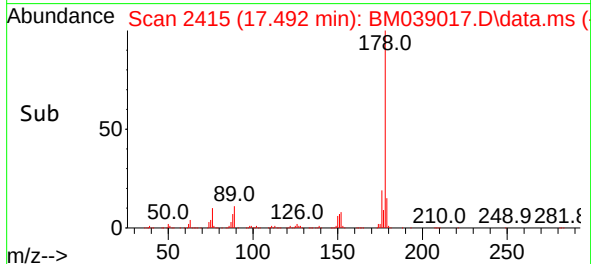
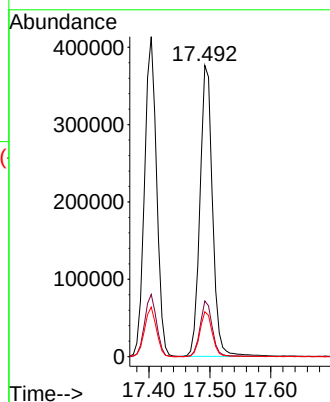
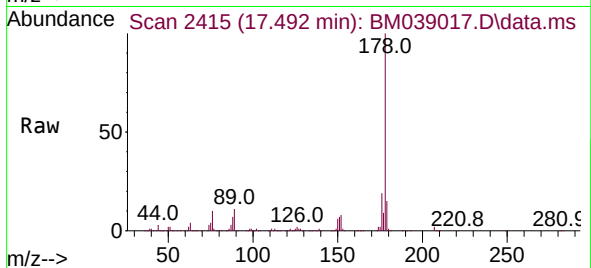
179 15.4 12.5 18.7

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#73

Carbazole

Concen: 4.929 ng

RT: 17.762 min Scan# 2461

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

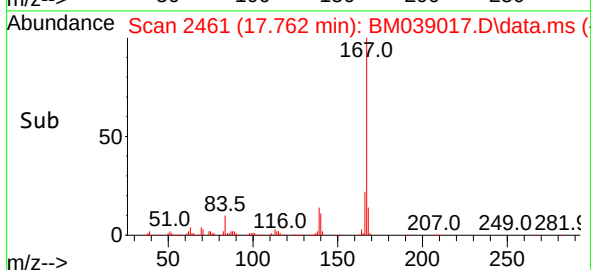
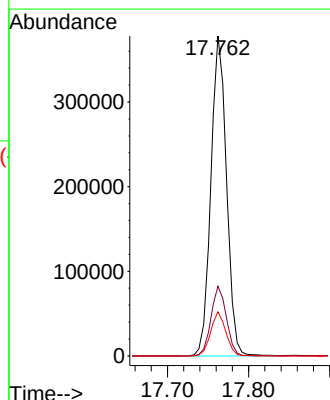
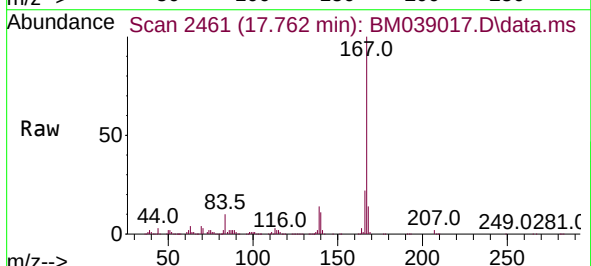
Tgt Ion:167 Resp: 506267

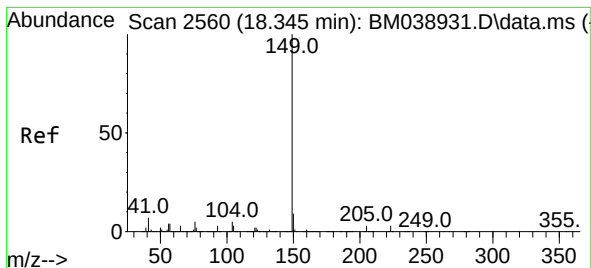
Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.4

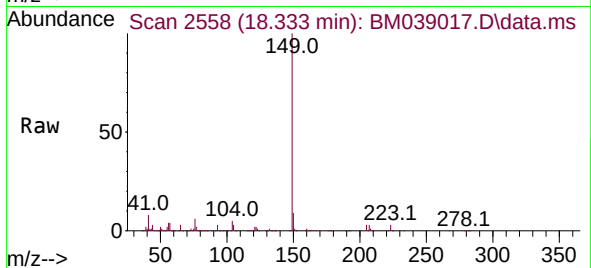
139 13.8 10.3 15.5





#74
Di-n-butylphthalate
Concen: 4.990 ng
RT: 18.333 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

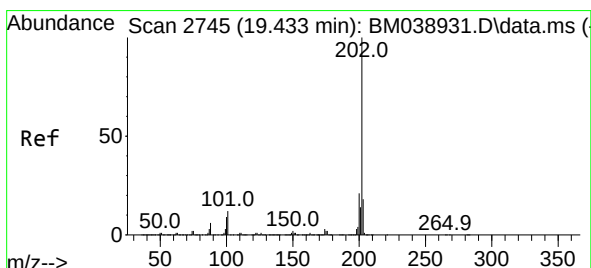
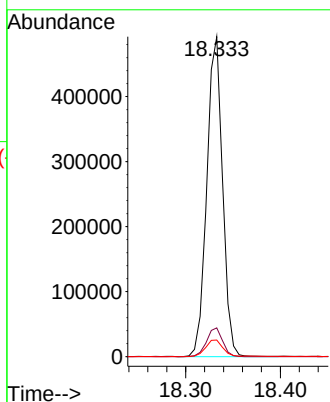
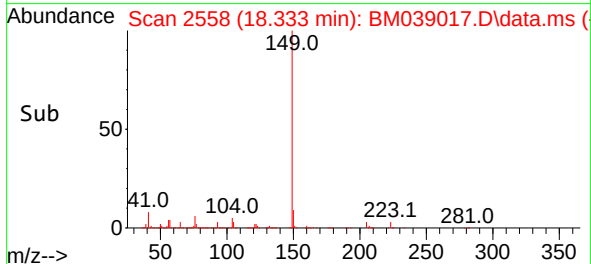
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:149 Resp: 569264
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 5.2 4.3 6.5

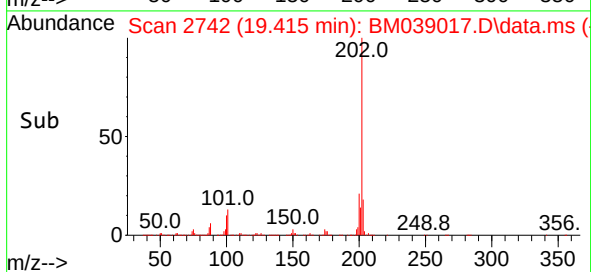
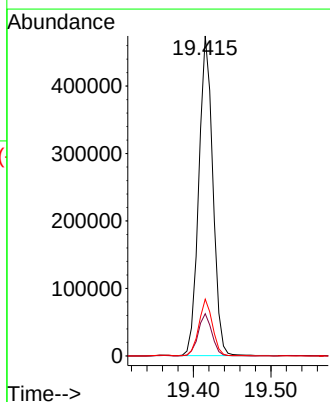
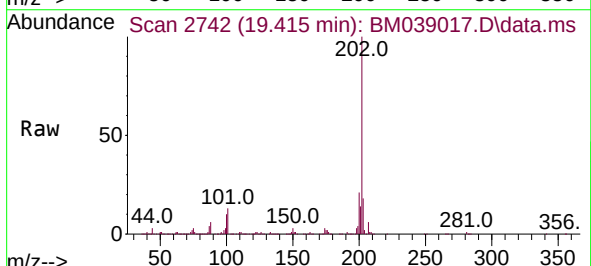
Manual Integrations
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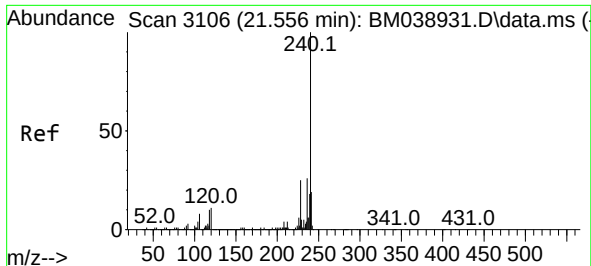
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#75
Fluoranthene
Concen: 5.002 ng
RT: 19.415 min Scan# 2742
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Tgt Ion:202 Resp: 595922
Ion Ratio Lower Upper
202 100
101 13.2 0.0 31.7
203 17.7 0.0 37.6





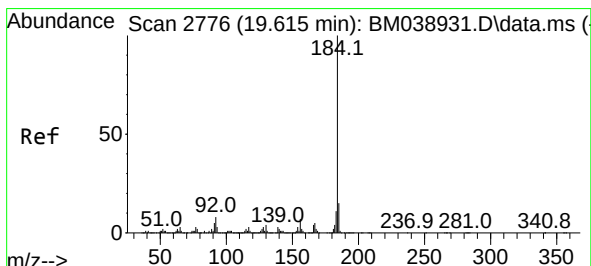
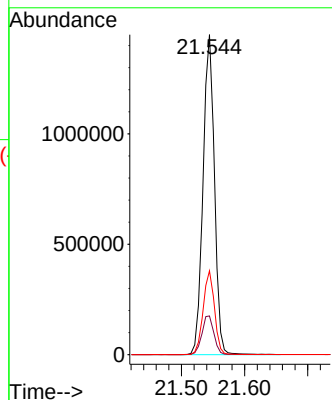
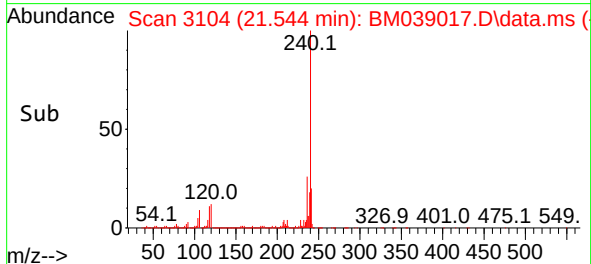
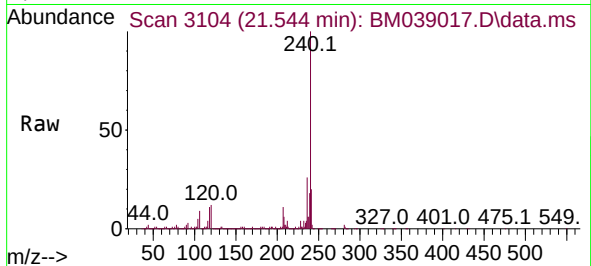
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.544 min Scan# 3106
Delta R.T. 0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:240 Resp: 1816218
Ion Ratio Lower Upper
240 100
120 12.1 9.2 13.8
236 26.2 20.8 31.2

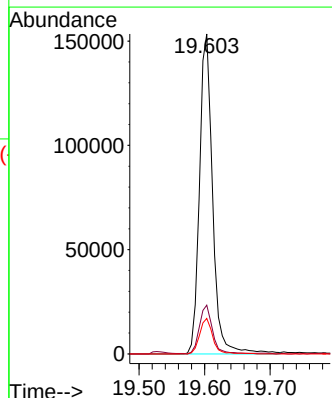
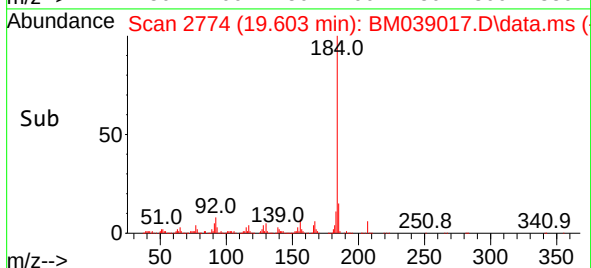
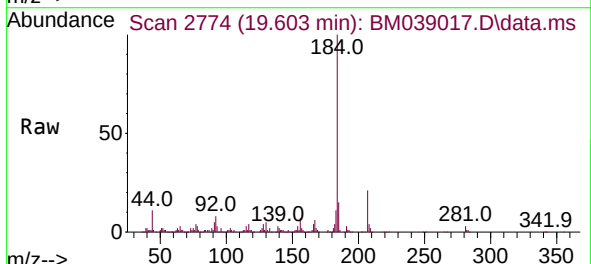
Manual Integrations
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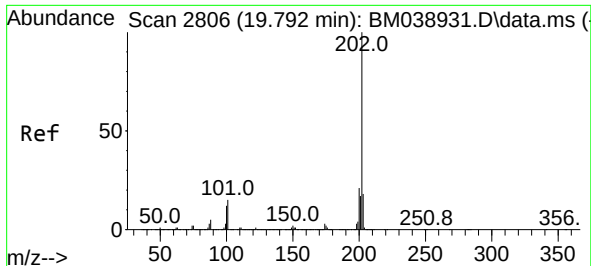
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#77
Benzidine
Concen: 5.612 ng
RT: 19.603 min Scan# 2774
Delta R.T. 0.005 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

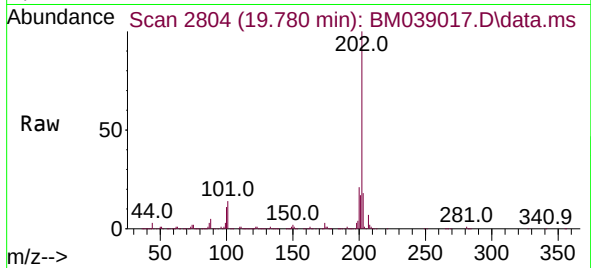
Tgt Ion:184 Resp: 212432
Ion Ratio Lower Upper
184 100
185 15.2 12.2 18.4
183 11.1 8.8 13.2





#78
Pyrene
Concen: 4.660 ng
RT: 19.780 min Scan# 2804
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

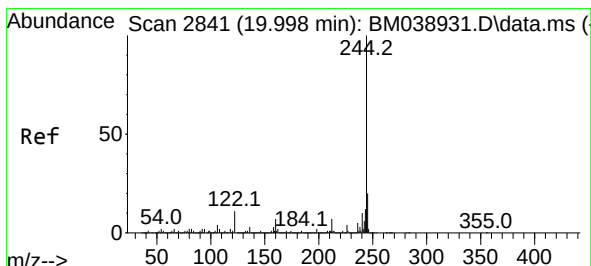
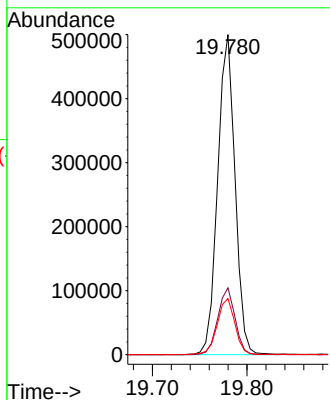
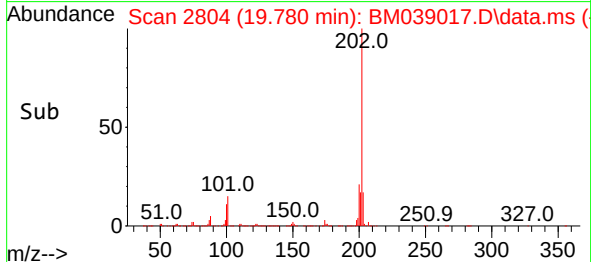
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



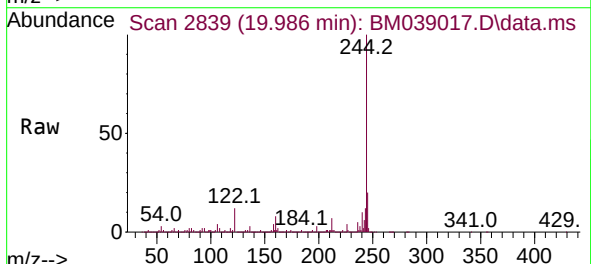
Tgt Ion:202 Resp: 635684
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.5 14.1 21.1

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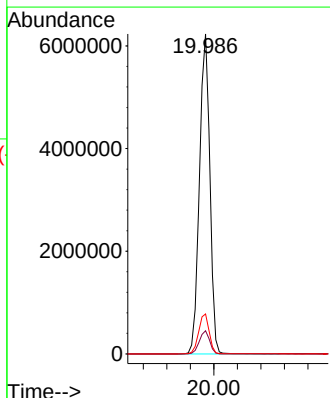
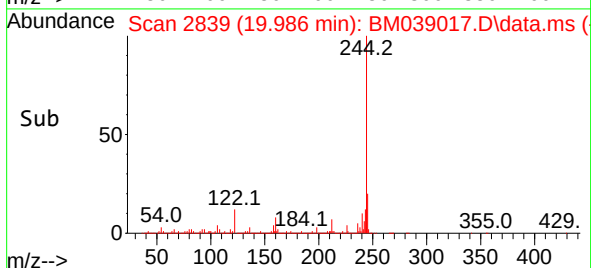
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

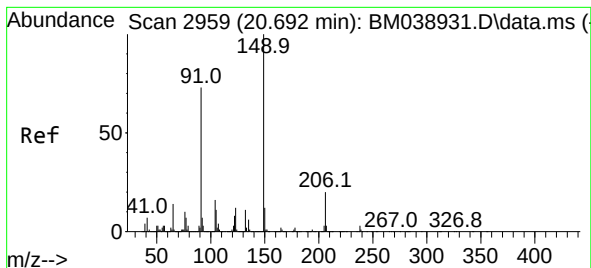


#79
Terphenyl-d14
Concen: 76.785 ng
RT: 19.986 min Scan# 2839
Delta R.T. 0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



Tgt Ion:244 Resp: 7627662
Ion Ratio Lower Upper
244 100
212 7.2 5.5 8.3
122 12.5 9.0 13.4





#80

Butylbenzylphthalate

Concen: 4.613 ng

RT: 20.680 min Scan# 2959

Delta R.T. 0.006 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:149 Resp: 233706

Ion Ratio Lower Upper

149 100

91 75.1 58.4 87.6

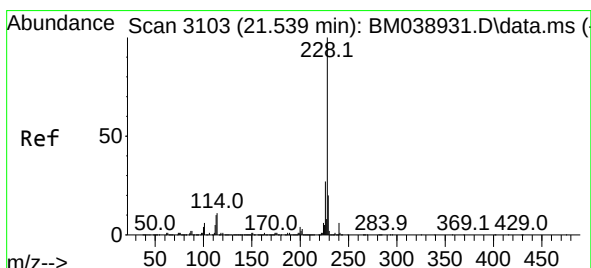
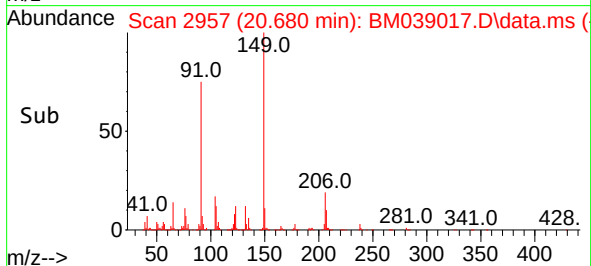
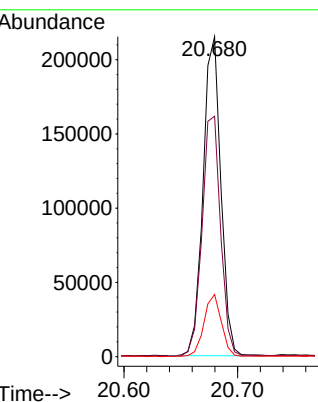
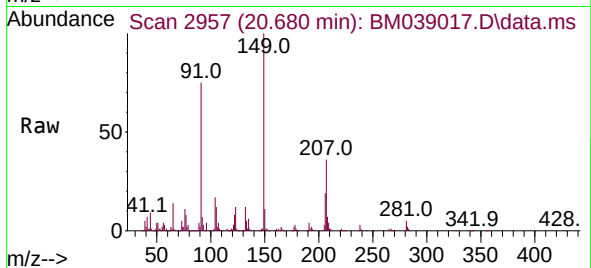
206 19.4 16.1 24.1

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#81

Benzo(a)anthracene

Concen: 4.863 ng

RT: 21.527 min Scan# 3101

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

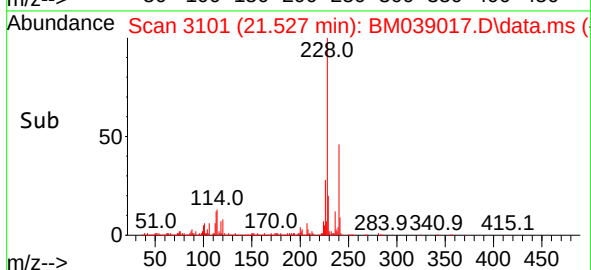
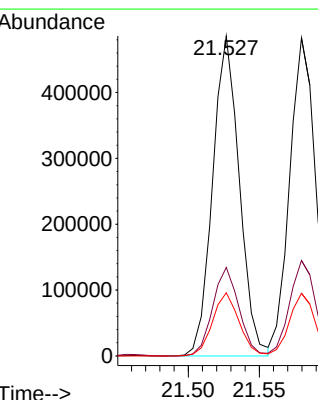
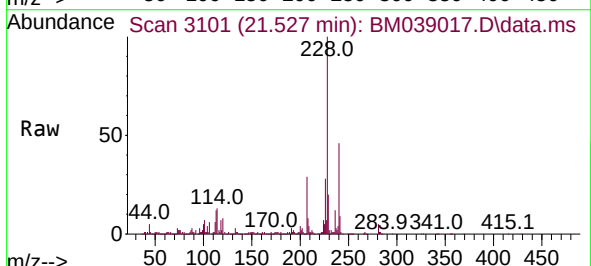
Tgt Ion:228 Resp: 636079

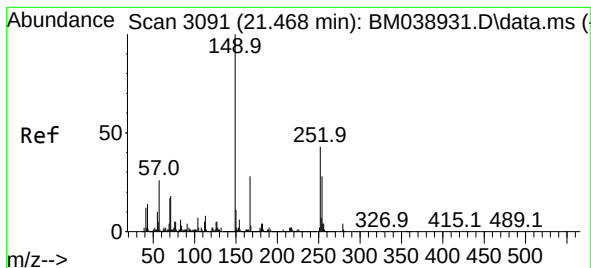
Ion Ratio Lower Upper

228 100

226 27.6 21.4 32.2

229 19.7 15.7 23.5





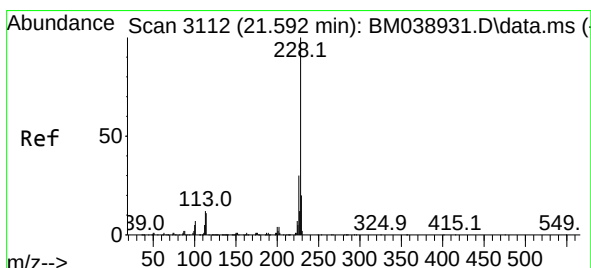
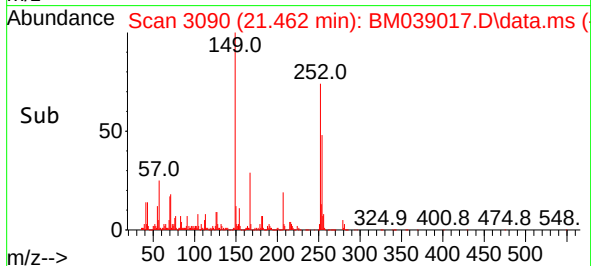
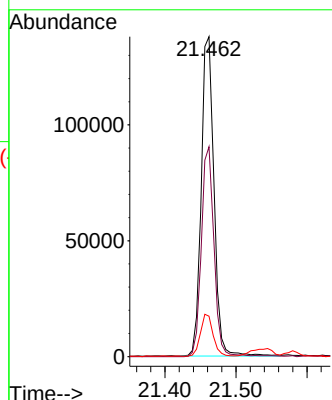
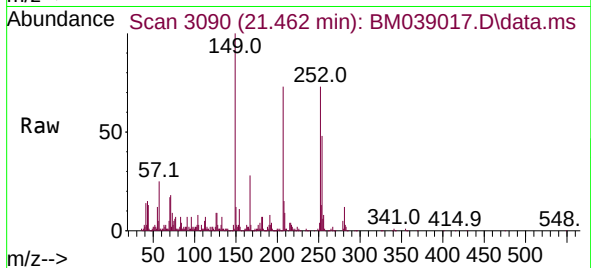
#82
3,3'-Dichlorobenzidine
Concen: 4.265 ng
RT: 21.462 min Scan# 3091
Delta R.T. 0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:252 Resp: 171436
Ion Ratio Lower Upper
252 100
254 65.6 51.5 77.3
126 12.6 9.9 14.9

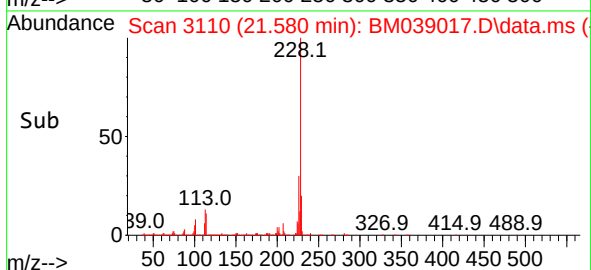
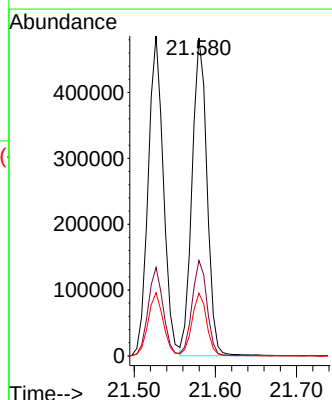
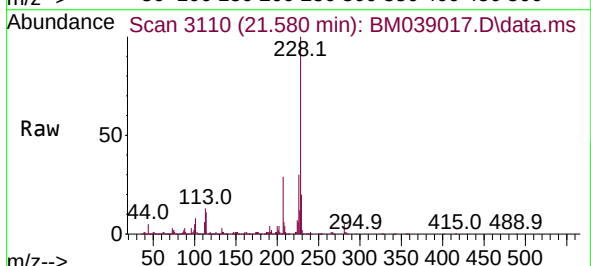
Manual Integrations
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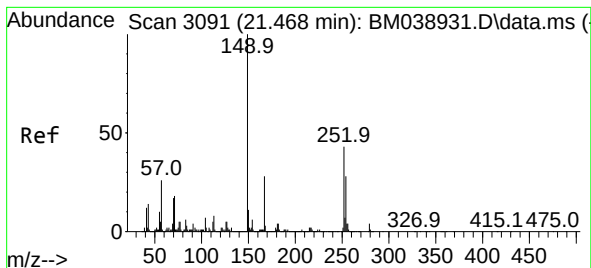
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023



#83
Chrysene
Concen: 4.830 ng
RT: 21.580 min Scan# 3110
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

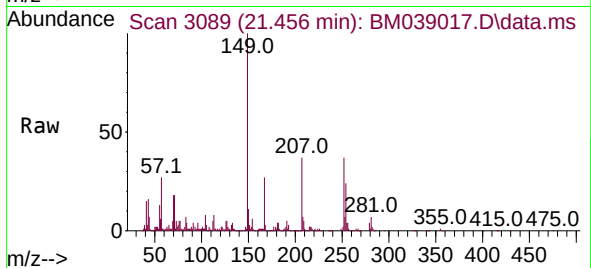
Tgt Ion:228 Resp: 614378
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 19.7 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.716 ng
RT: 21.456 min Scan# 3091
Delta R.T. 0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

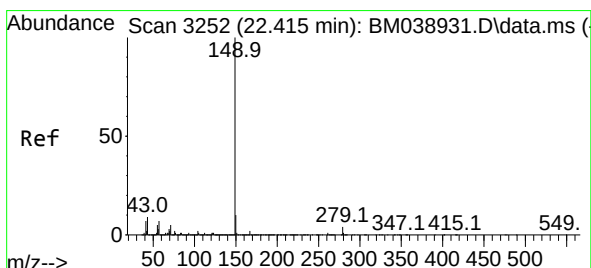
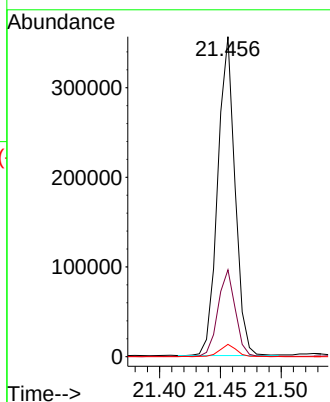
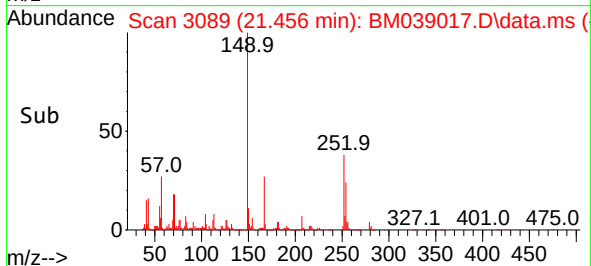
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2023



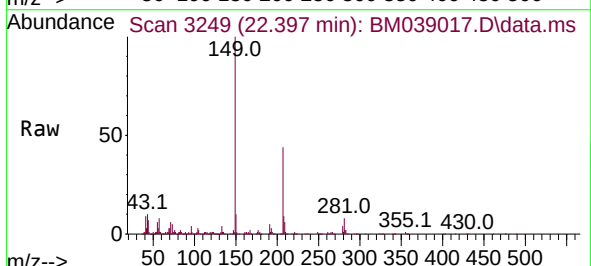
Tgt Ion:149 Resp: 350614
Ion Ratio Lower Upper
149 100
167 27.1 22.3 33.5
279 3.8 3.2 4.8

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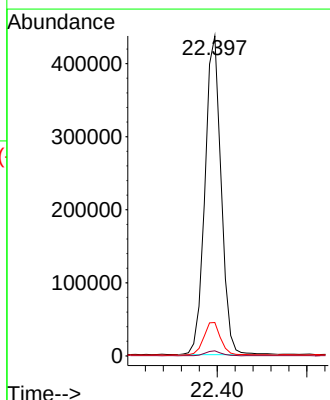
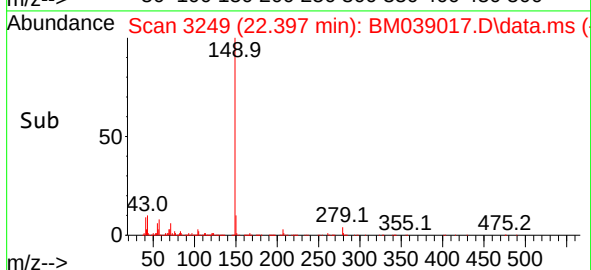
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

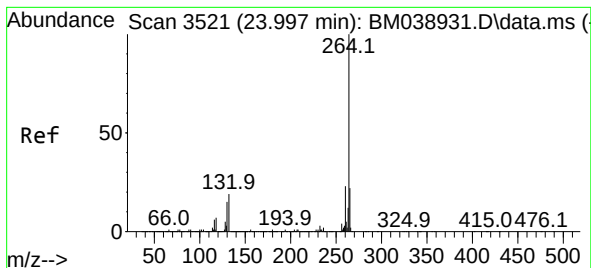


#85
Di-n-octyl phthalate
Concen: 4.235 ng
RT: 22.397 min Scan# 3249
Delta R.T. 0.006 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



Tgt Ion:149 Resp: 543816
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 11.0 7.4 11.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.985 min Scan# 3519

Delta R.T. 0.006 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:264 Resp: 182953

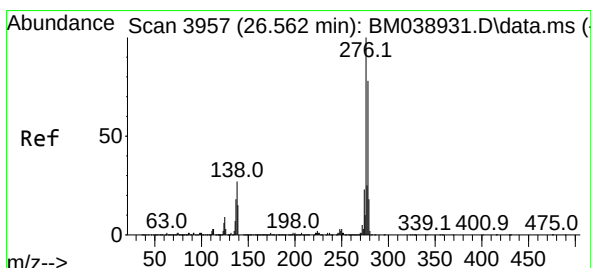
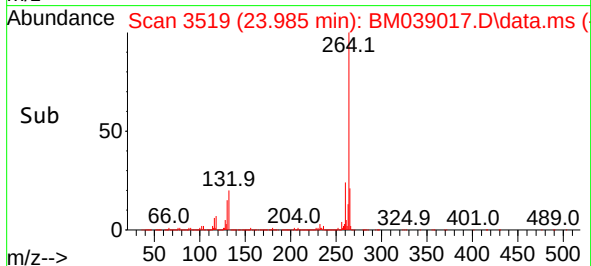
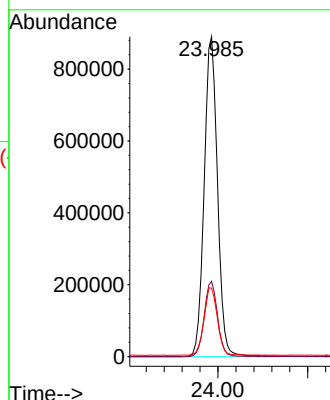
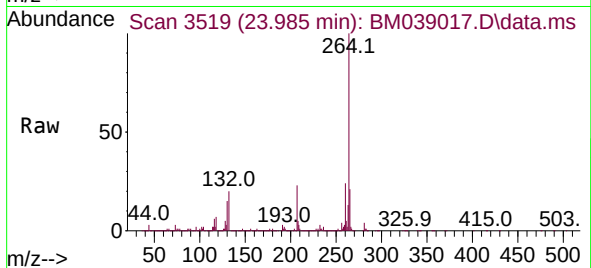
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.4	17.9	26.9

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.298 ng

RT: 26.521 min Scan# 3950

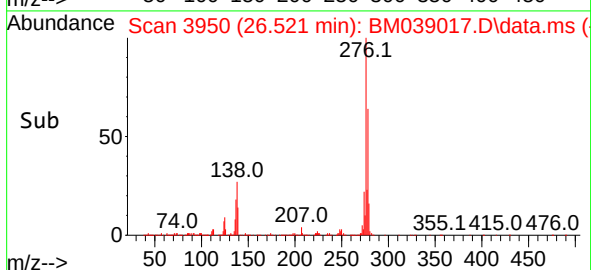
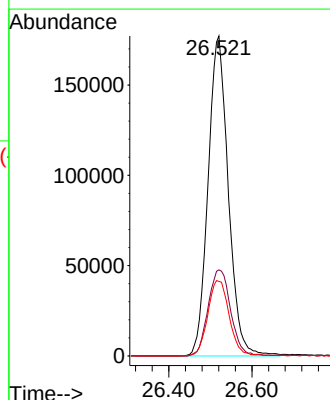
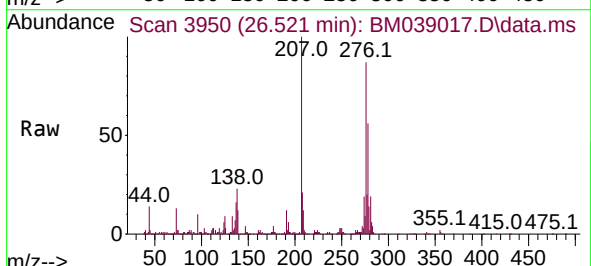
Delta R.T. -0.000 min

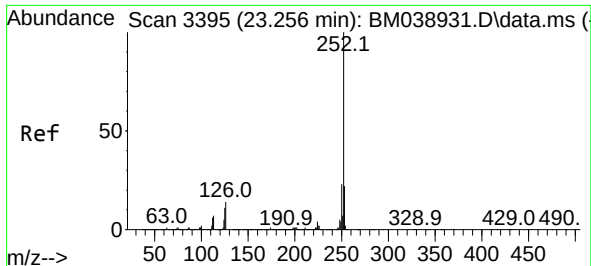
Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Tgt Ion:276 Resp: 598375

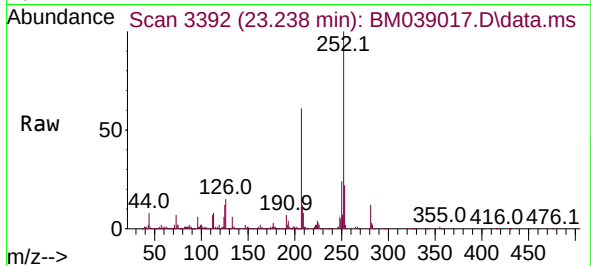
Ion	Ratio	Lower	Upper
276	100		
138	29.8	22.1	33.1
277	24.9	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 5.114 ng
RT: 23.238 min Scan# 3395
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45

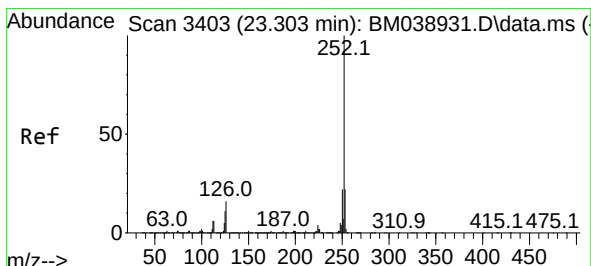
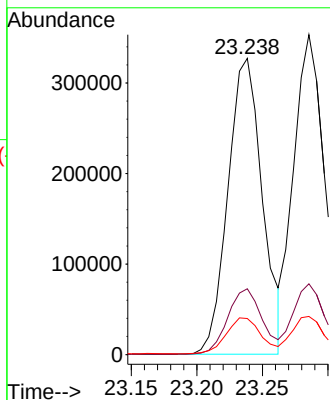
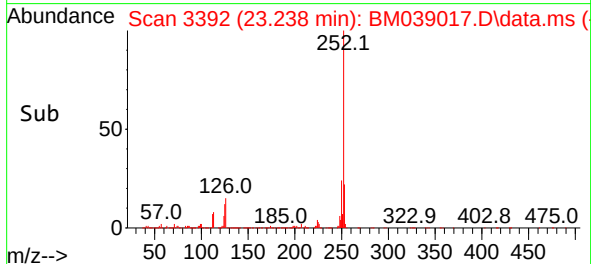
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT1-2023



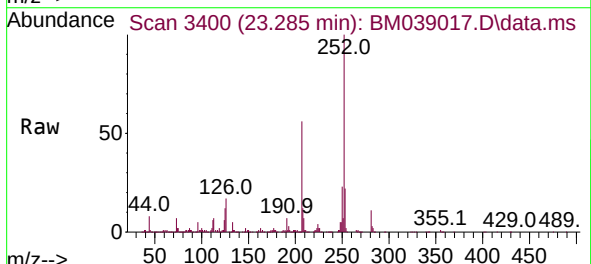
Tgt Ion:252 Resp: 597709
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 12.2 8.8 13.2

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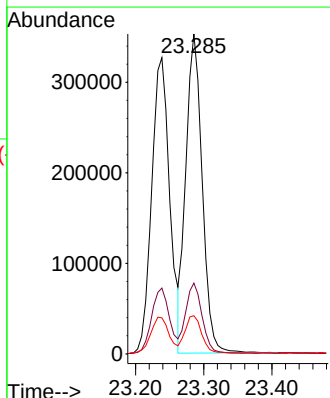
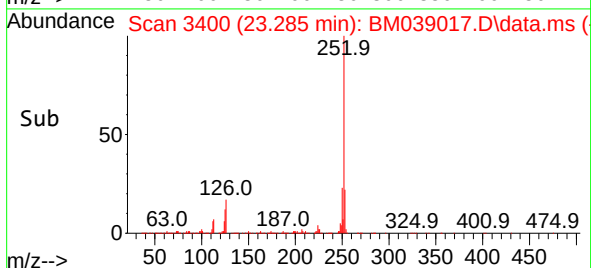
Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jagrut Upadhyay 03/17/2023

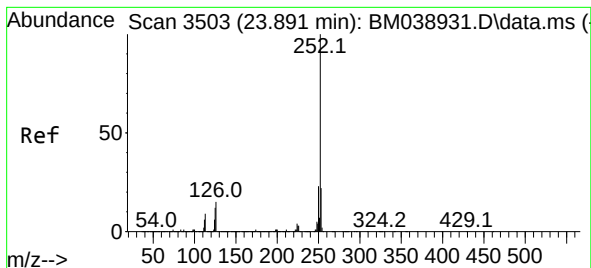


#89
Benzo(k)fluoranthene
Concen: 4.853 ng
RT: 23.285 min Scan# 3400
Delta R.T. -0.000 min
Lab File: BM039017.D
Acq: 16 Mar 2023 14:45



Tgt Ion:252 Resp: 590283
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 11.9 8.9 13.3





#90

Benzo(a)pyrene

Concen: 4.293 ng

RT: 23.874 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023

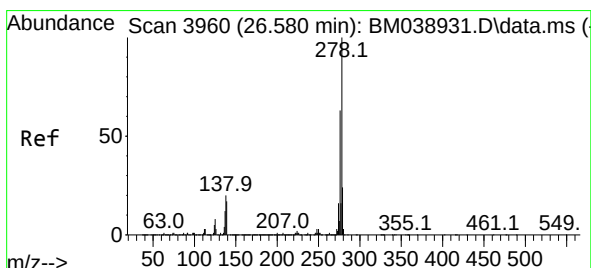
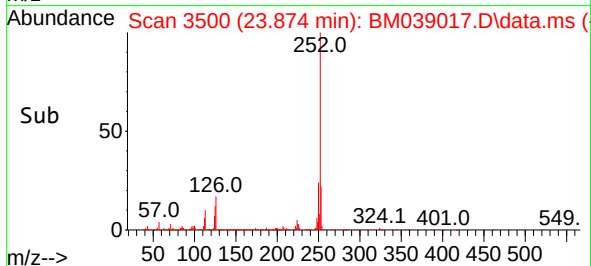
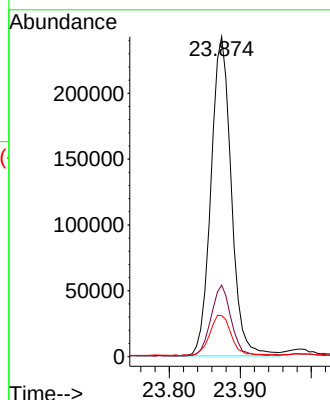
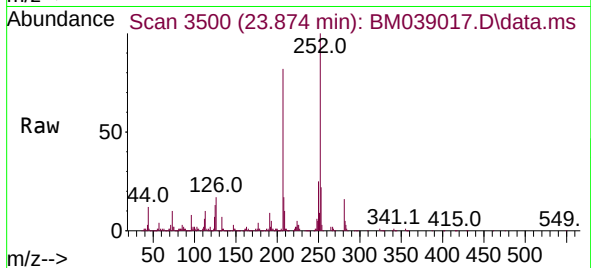
Tgt Ion:	252	Resp:	482923
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.6	26.4
125	12.8	9.8	14.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#91

Dibenzo(a,h)anthracene

Concen: 4.283 ng

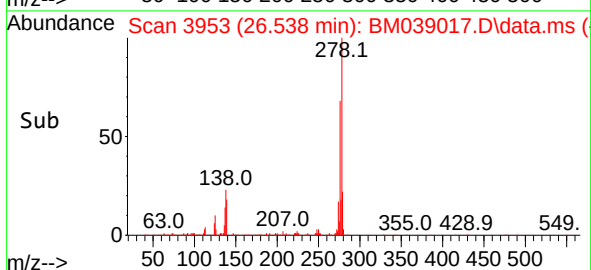
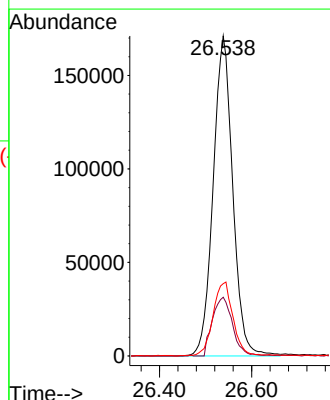
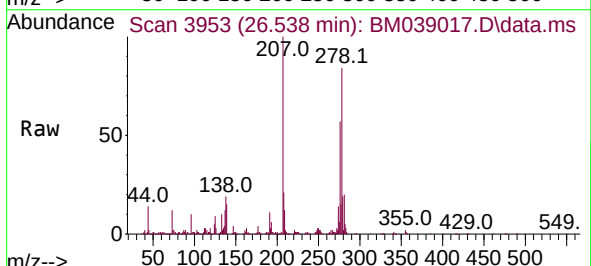
RT: 26.538 min Scan# 3953

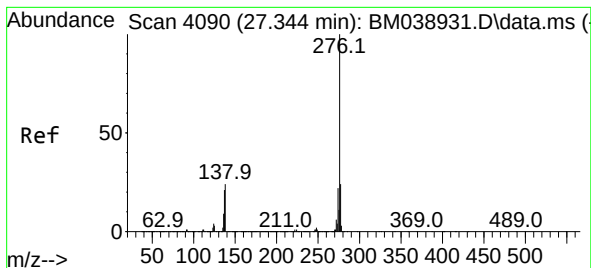
Delta R.T. -0.000 min

Lab File: BM039017.D

Acq: 16 Mar 2023 14:45

Tgt Ion:	278	Resp:	504909
Ion Ratio	Lower	Upper	
278	100		
139	18.4	13.7	20.5
279	22.6	18.9	28.3





#92

Benzo(g,h,i)perylene

Concen: 4.106 ng

RT: 27.297 min Scan# 40

Delta R.T. -0.006 min

Lab File: BM039017.D

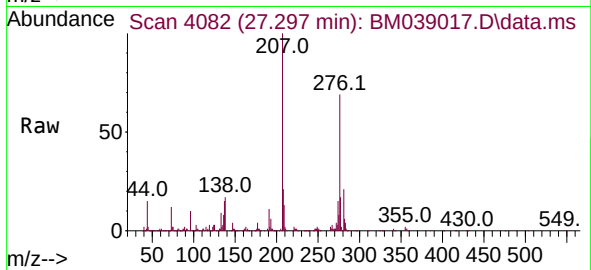
Acq: 16 Mar 2023 14:45

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2023



Tgt Ion:276 Resp: 473575

Ion Ratio Lower Upper

276 100

277 24.3 19.3 28.9

138 25.0 19.0 28.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023

