

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039097.D
 Acq On : 22 Mar 2023 18:10
 Operator : CG/JU
 Sample : 02002-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 031023-3MSD

Quant Time: Mar 23 04:24:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/23/2023
 Supervised By : Jagrut Upadhyay 03/23/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	300973	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	1143146	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	589596	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1076492	20.000	ng	0.00
76) Chrysene-d12	21.533	240	948154	20.000	ng	0.00
86) Perylene-d12	23.962	264	1063042	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2582315	130.353	ng	0.00
7) Phenol-d6	7.134	99	2956985	114.918	ng	0.00
23) Nitrobenzene-d5	9.140	82	2061756	88.594	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	924001	135.470	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	4020683	88.775	ng	0.00
79) Terphenyl-d14	19.974	244	4833005	93.195	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.405	88	367599	41.711	ng	# 42
3) Pyridine	3.810	79	739194	30.243	ng	99
4) n-Nitrosodimethylamine	3.710	42	437243	43.961	ng	96
6) Aniline	7.298	93	743544	22.008	ng	100
8) 2-Chlorophenol	7.528	128	1025375	48.618	ng	99
9) Benzaldehyde	7.104	77	306399	25.023	ng	97
10) Phenol	7.157	94	1168881	42.777	ng	98
11) bis(2-Chloroethyl)ether	7.393	93	1085148	48.845	ng	98
12) 1,3-Dichlorobenzene	7.857	146	1116066	49.795	ng	99
13) 1,4-Dichlorobenzene	8.004	146	1137790	49.914	ng	99
14) 1,2-Dichlorobenzene	8.322	146	1090830	49.679	ng	99
15) Benzyl Alcohol	8.210	79	873757m	47.376	ng	
16) 2,2'-oxybis(1-Chloropr...	8.504	45	1349204	48.087	ng	99
17) 2-Methylphenol	8.416	107	821477	43.763	ng	99
18) Hexachloroethane	9.051	117	427904	50.878	ng	97
19) n-Nitroso-di-n-propyla...	8.781	70	771477	47.601	ng	100
20) 3+4-Methylphenols	8.745	107	1087178	43.377	ng	99
22) Acetophenone	8.798	105	1560699	48.662	ng	# 99
24) Nitrobenzene	9.181	77	1149563	46.997	ng	98
25) Isophorone	9.710	82	2058599	48.069	ng	100
26) 2-Nitrophenol	9.892	139	526362	48.689	ng	96
27) 2,4-Dimethylphenol	9.951	122	889145	47.649	ng	99
28) bis(2-Chloroethoxy)met...	10.192	93	1294091	47.029	ng	99
29) 2,4-Dichlorophenol	10.428	162	864097	48.843	ng	99
30) 1,2,4-Trichlorobenzene	10.645	180	937548	48.496	ng	99
31) Naphthalene	10.834	128	3029756	46.480	ng	99
32) Benzoic acid	10.087	122	592493	43.840	ng	97
33) 4-Chloroaniline	10.951	127	361531	13.014	ng	98
34) Hexachlorobutadiene	11.116	225	538110	48.538	ng	99
35) Caprolactam	11.739	113	212829	39.527	ng	97
36) 4-Chloro-3-methylphenol	12.063	107	865718	45.955	ng	99
37) 2-Methylnaphthalene	12.439	142	1958562	44.829	ng	99
38) 1-Methylnaphthalene	12.657	142	1815787	44.349	ng	100
40) 1,2,4,5-Tetrachloroben...	12.804	216	974103	50.821	ng	99
41) Hexachlorocyclopentadiene	12.780	237	1172385	111.431	ng	98
43) 2,4,6-Trichlorophenol	13.045	196	627393	50.547	ng	98

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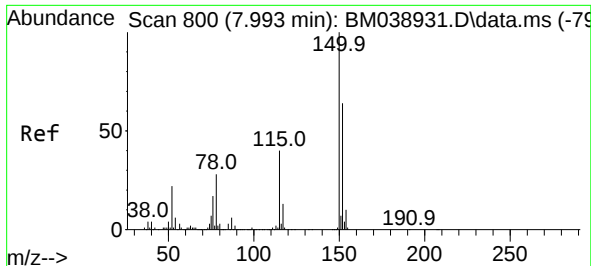
Manual Integrations
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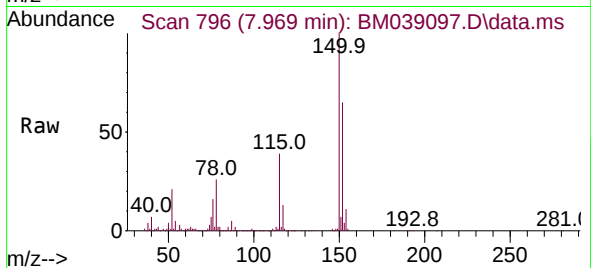
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	665541	45.810	ng	97
46) 1,1'-Biphenyl	13.445	154	2489788	49.847	ng	99
47) 2-Chloronaphthalene	13.486	162	1884002	50.020	ng	98
48) 2-Nitroaniline	13.692	65	563723	46.804	ng	96
49) Acenaphthylene	14.333	152	2878968	47.987	ng	100
50) Dimethylphthalate	14.069	163	2132877	47.012	ng	100
51) 2,6-Dinitrotoluene	14.186	165	468295	46.706	ng	98
52) Acenaphthene	14.674	154	1742122	47.249	ng	99
53) 3-Nitroaniline	14.516	138	474674	40.719	ng	97
54) 2,4-Dinitrophenol	14.722	184	598259	102.198	ng	90
55) Dibenzofuran	15.004	168	2693508	46.683	ng	100
56) 4-Nitrophenol	14.822	139	806681	89.528	ng	98
57) 2,4-Dinitrotoluene	14.969	165	611176	46.360	ng	99
58) Fluorene	15.657	166	2103151	46.534	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.233	232	541507	48.330	ng	99
60) Diethylphthalate	15.427	149	2093798	47.431	ng	99
61) 4-Chlorophenyl-phenylether	15.645	204	1026986	46.253	ng	99
62) 4-Nitroaniline	15.674	138	504557	42.472	ng	98
63) Azobenzene	15.939	77	2168250	46.420	ng	99
65) 4,6-Dinitro-2-methylph...	15.733	198	350978	49.441	ng	94
66) n-Nitrosodiphenylamine	15.863	169	1749806	48.216	ng	99
67) 4-Bromophenyl-phenylether	16.539	248	584803	50.296	ng	97
68) Hexachlorobenzene	16.657	284	662188	50.945	ng	99
69) Atrazine	16.816	200	512470	51.699	ng	98
70) Pentachlorophenol	17.004	266	869201	90.919	ng	99
71) Phenanthrene	17.398	178	3020093	47.801	ng	100
72) Anthracene	17.486	178	3054758	48.483	ng	100
73) Carbazole	17.757	167	2833630	49.278	ng	100
74) Di-n-butylphthalate	18.321	149	3443901	49.062	ng	99
75) Fluoranthene	19.409	202	3203402	48.021	ng	99
77) Benzidine	19.592	184	784710	37.496	ng	99
78) Pyrene	19.768	202	3409576	47.878	ng	100
80) Butylbenzylphthalate	20.668	149	1549136	50.941	ng	97
81) Benzo(a)anthracene	21.515	228	3356794	49.161	ng	100
82) 3,3'-Dichlorobenzidine	21.451	252	882726	42.064	ng	99
83) Chrysene	21.568	228	3143093	47.329	ng	100
84) Bis(2-ethylhexyl)phtha...	21.439	149	2352068	53.427	ng	100
85) Di-n-octyl phthalate	22.374	149	4107729	55.862	ng	99
87) Indeno(1,2,3-cd)pyrene	26.497	276	4311934	53.306	ng	100
88) Benzo(b)fluoranthene	23.221	252	3505923	51.623	ng	99
89) Benzo(k)fluoranthene	23.274	252	3559531	50.362	ng	99
90) Benzo(a)pyrene	23.856	252	3119375	47.725	ng	100
91) Dibenzo(a,h)anthracene	26.521	278	3633247	53.037	ng	100
92) Benzo(g,h,i)perylene	27.280	276	3535853	52.757	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

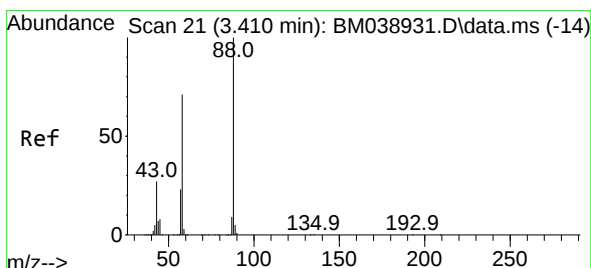
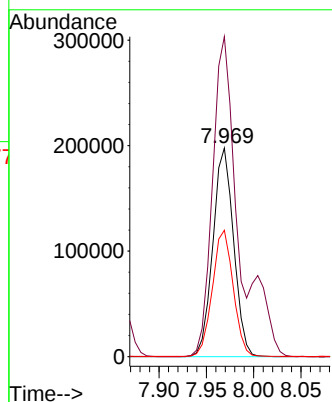
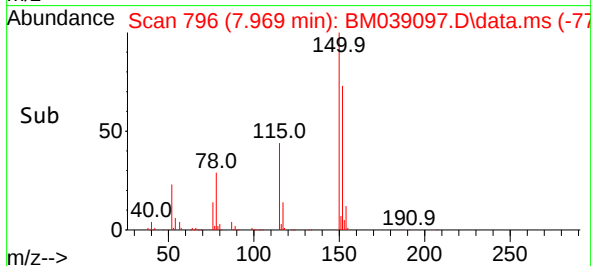
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion:152 Resp: 300973
Ion Ratio Lower Upper
152 100
150 153.4 125.1 187.7
115 60.5 49.6 74.4

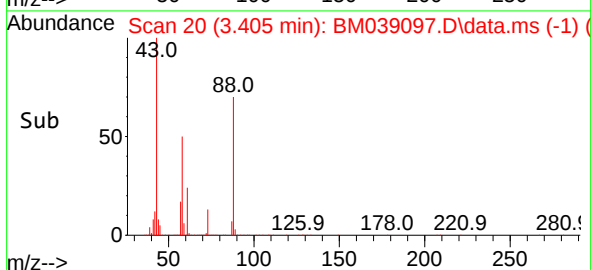
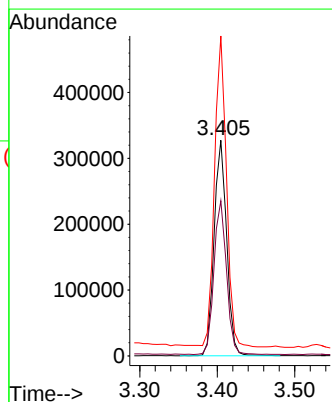
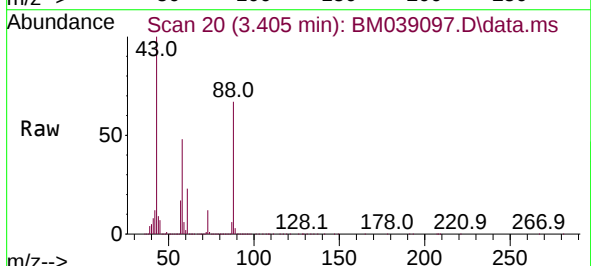
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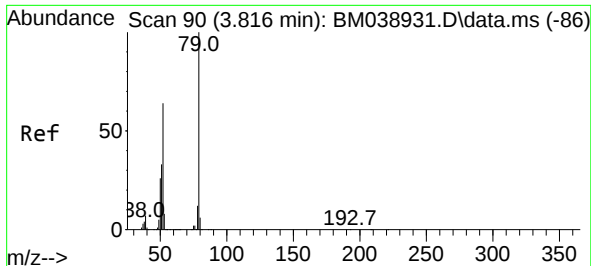
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#2
1,4-Dioxane
Concen: 41.711 ng
RT: 3.405 min Scan# 20
Delta R.T. 0.012 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

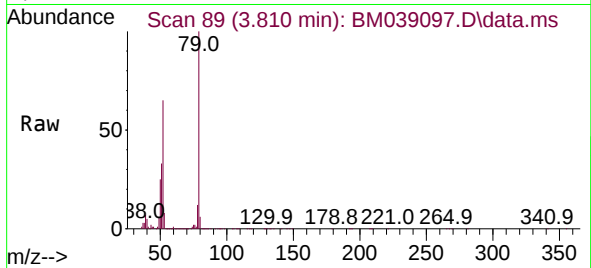
Tgt Ion: 88 Resp: 367599
Ion Ratio Lower Upper
88 100
58 71.7 57.2 85.8
43 136.8 22.0 33.0#





#3
Pyridine
Concen: 30.243 ng
RT: 3.810 min Scan# 89
Delta R.T. 0.012 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

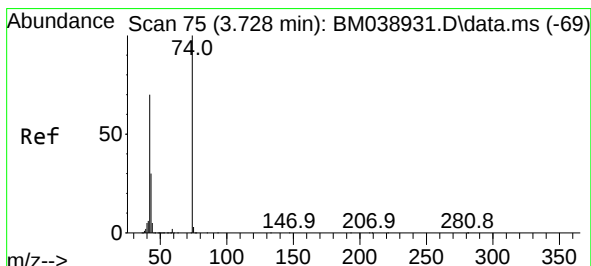
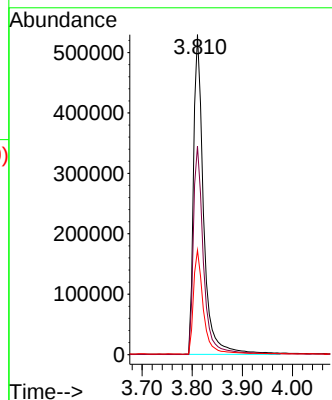
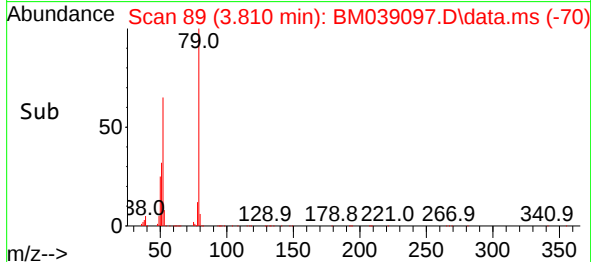
Instrument :
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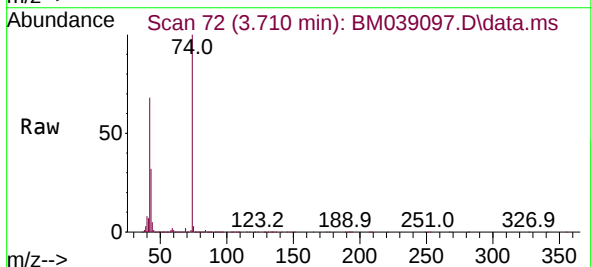
Tgt Ion: 79 Resp: 739194
Ion Ratio Lower Upper
79 100
52 65.2 51.4 77.2
51 32.6 26.6 40.0

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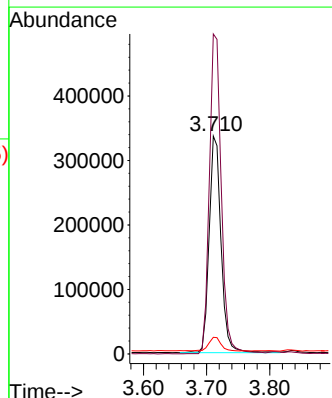
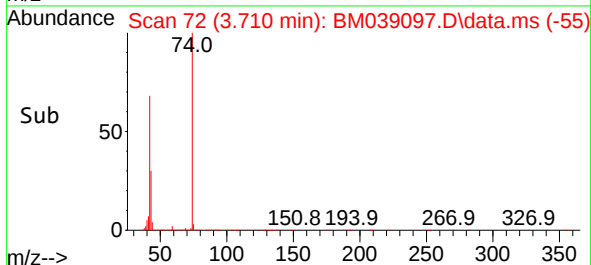
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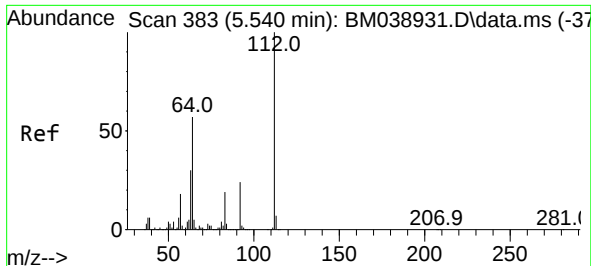


#4
n-Nitrosodimethylamine
Concen: 43.961 ng
RT: 3.710 min Scan# 72
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10



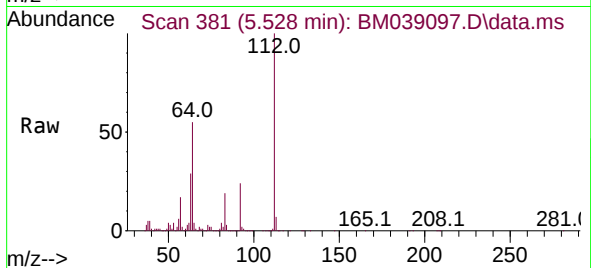
Tgt Ion: 42 Resp: 437243
Ion Ratio Lower Upper
42 100
74 146.9 113.8 170.8
44 7.6 6.2 9.2





#5
2-Fluorophenol
Concen: 130.353 ng
RT: 5.528 min Scan# 381
Delta R.T. 0.006 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

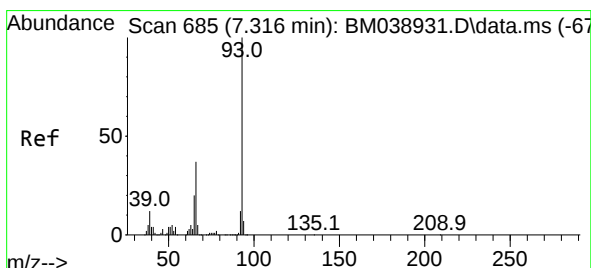
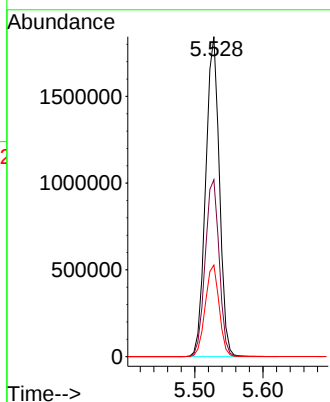
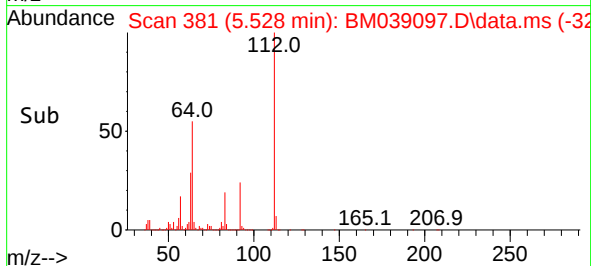
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Tgt Ion: 112 Resp: 2582315
Ion Ratio Lower Upper
112 100
64 55.3 45.9 68.9
63 28.6 23.8 35.8

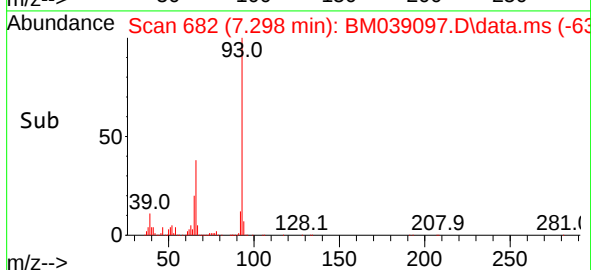
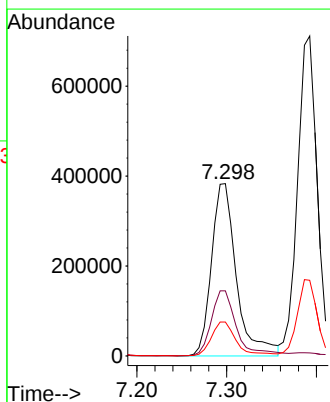
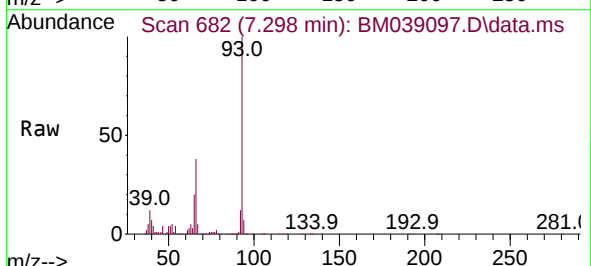
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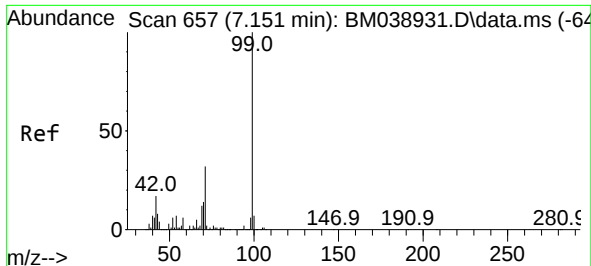
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#6
Aniline
Concen: 22.008 ng
RT: 7.298 min Scan# 682
Delta R.T. 0.006 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

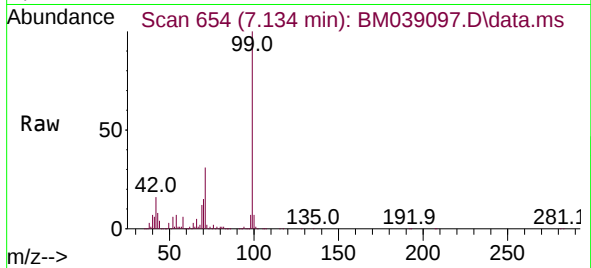
Tgt Ion: 93 Resp: 743544
Ion Ratio Lower Upper
93 100
66 37.8 30.0 45.0
65 19.7 15.8 23.6





#7
Phenol-d6
Concen: 114.918 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

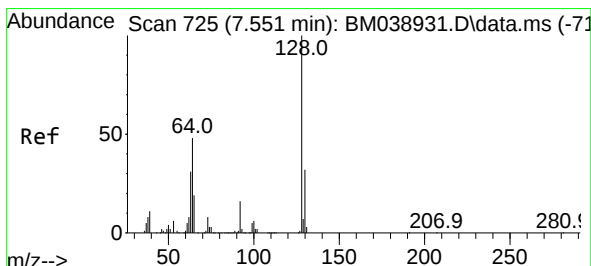
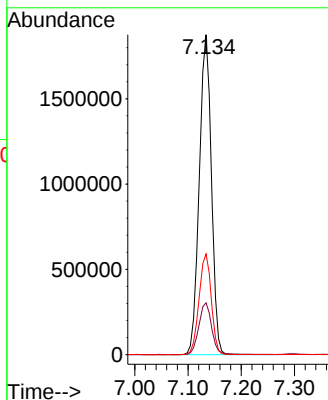
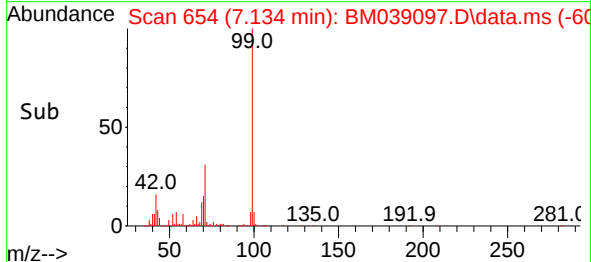
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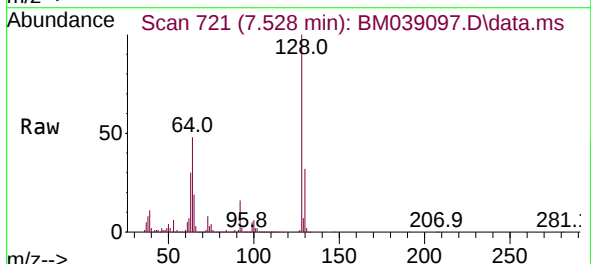
Tgt Ion: 99 Resp: 2956985
Ion Ratio Lower Upper
99 100
42 16.2 13.5 20.3
71 31.5 25.6 38.4

Manual Integrations
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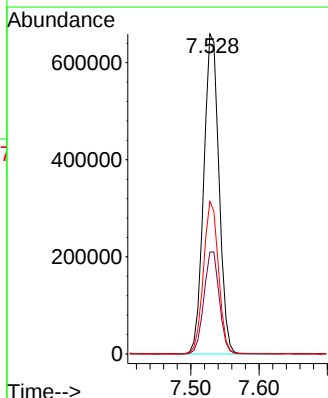
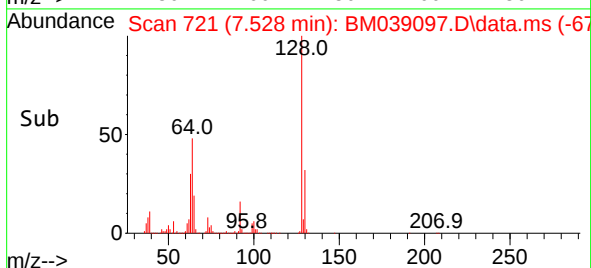
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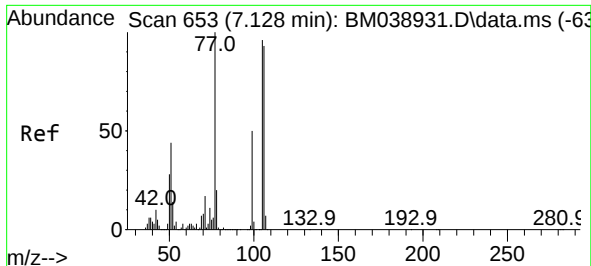


#8
2-Chlorophenol
Concen: 48.618 ng
RT: 7.528 min Scan# 721
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10



Tgt Ion:128 Resp: 1025375
Ion Ratio Lower Upper
128 100
130 31.8 11.9 51.9
64 47.6 28.6 68.6





#9
Benzaldehyde
Concen: 25.023 ng
RT: 7.104 min Scan# 64
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

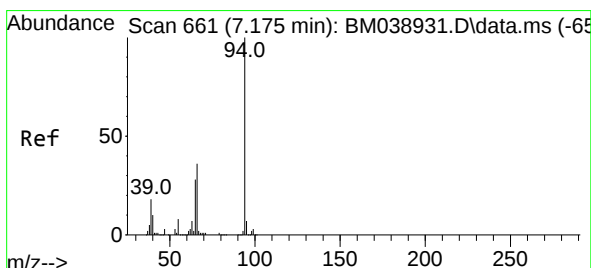
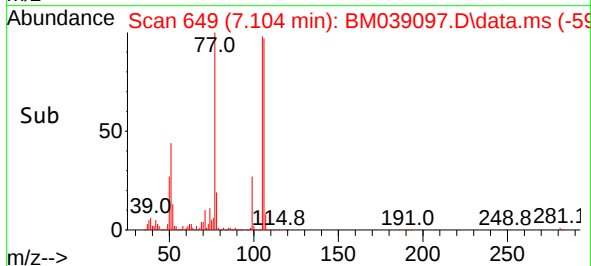
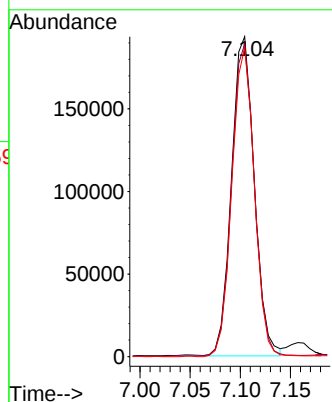
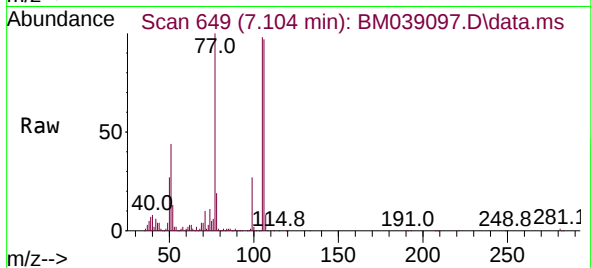
031023-3MSD

Tgt Ion: 77 Resp: 306399
Ion Ratio Lower Upper
77 100
105 97.7 75.8 115.8
106 96.6 72.6 112.6

Manual Integrations

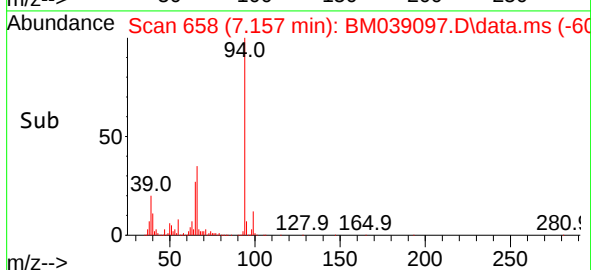
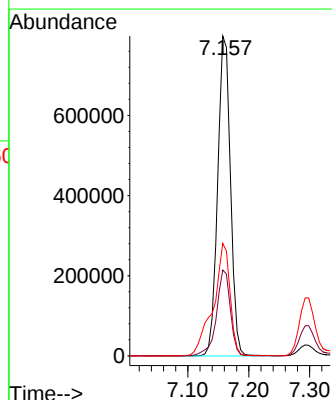
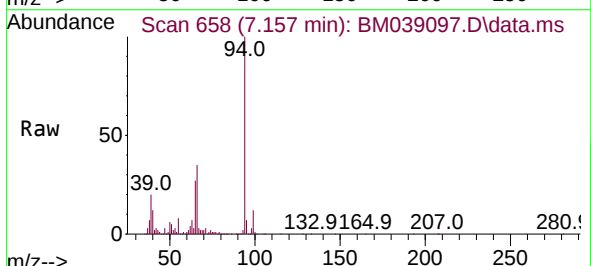
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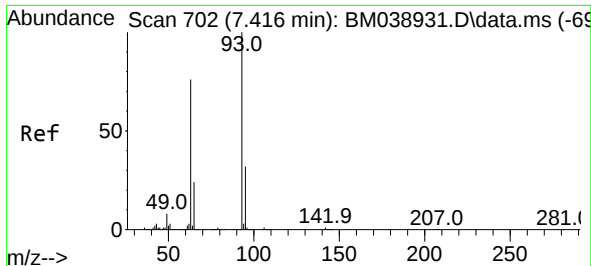
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Supervised By :Jagrut Upadhyay 03/23/2023



#10
Phenol
Concen: 42.777 ng
RT: 7.157 min Scan# 658
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

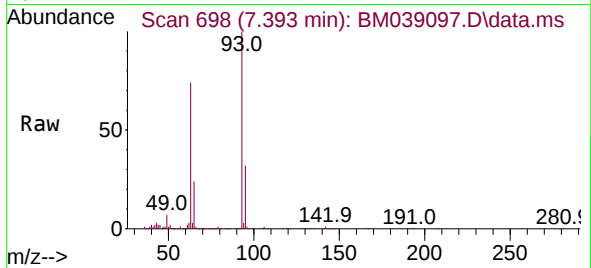
Tgt Ion: 94 Resp: 1168881
Ion Ratio Lower Upper
94 100
65 26.8 7.9 47.9
66 35.2 15.8 55.8





#11
bis(2-Chloroethyl)ether
Concen: 48.845 ng
RT: 7.393 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

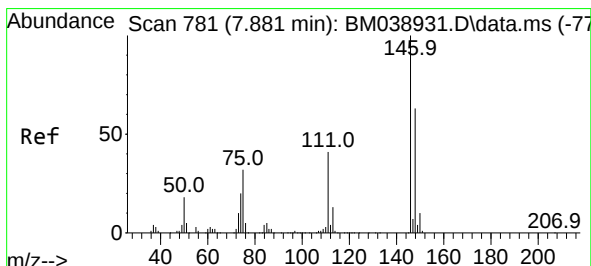
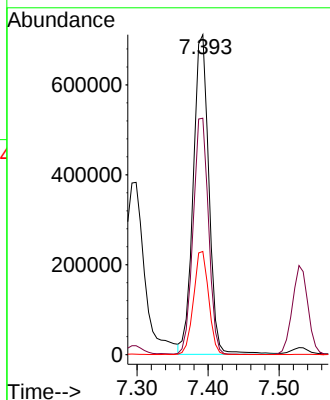
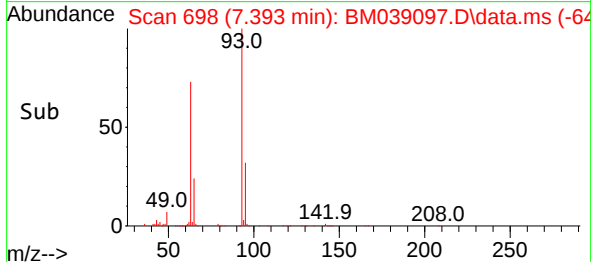
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



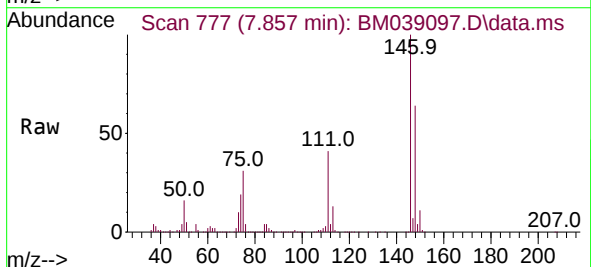
Tgt Ion: 93 Resp: 1085148
Ion Ratio Lower Upper
93 100
63 73.9 55.8 95.8
95 32.2 12.2 52.2

Manual Integrations
APPROVED

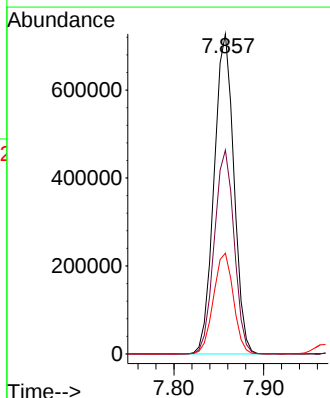
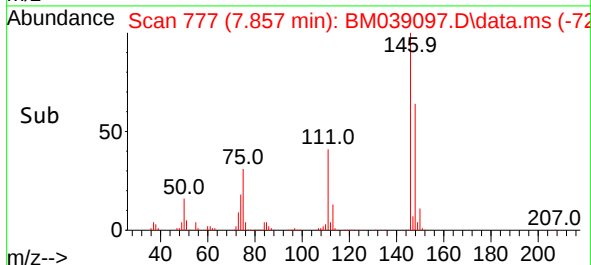
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

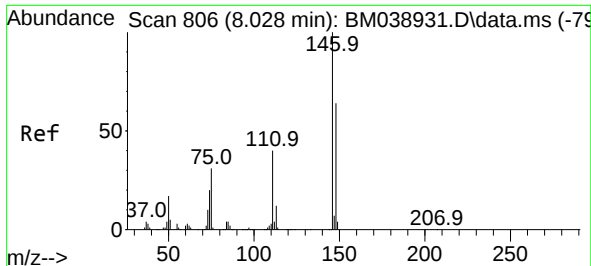


#12
1,3-Dichlorobenzene
Concen: 49.795 ng
RT: 7.857 min Scan# 777
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10



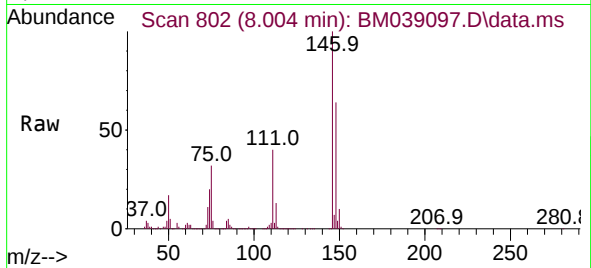
Tgt Ion:146 Resp: 1116066
Ion Ratio Lower Upper
146 100
148 63.7 50.6 75.8
75 31.5 26.0 39.0





#13
1,4-Dichlorobenzene
Concen: 49.914 ng
RT: 8.004 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

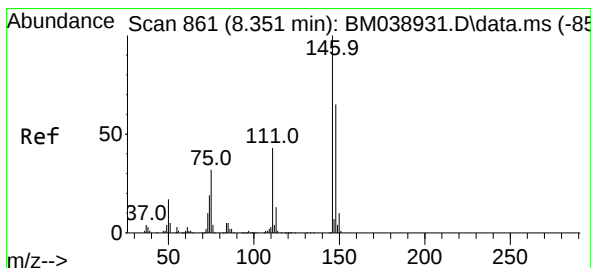
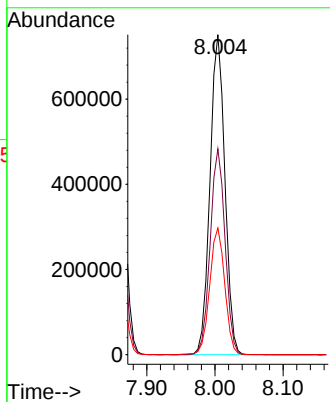
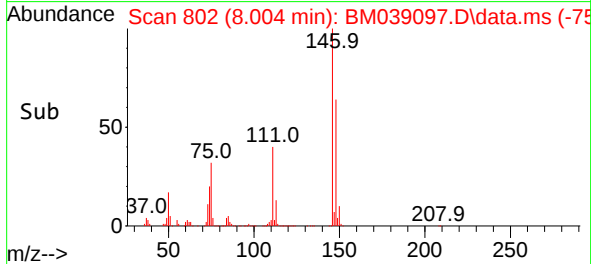
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion:146 Resp: 1137790
Ion Ratio Lower Upper
146 100
148 64.3 51.0 76.4
111 39.6 32.2 48.4

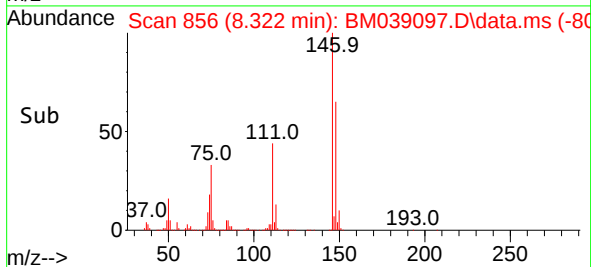
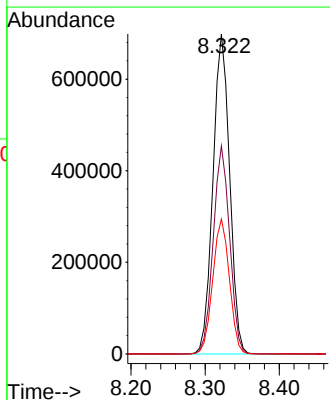
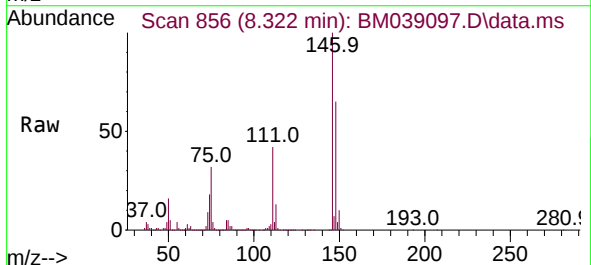
Manual Integrations
APPROVED

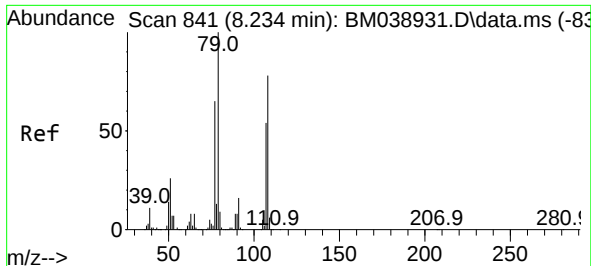
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#14
1,2-Dichlorobenzene
Concen: 49.679 ng
RT: 8.322 min Scan# 856
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

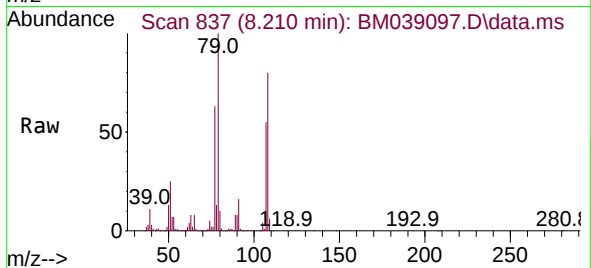
Tgt Ion:146 Resp: 1090830
Ion Ratio Lower Upper
146 100
148 65.0 51.7 77.5
111 42.1 34.2 51.4





#15
Benzyl Alcohol
Concen: 47.376 ng m
RT: 8.210 min Scan# 841
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

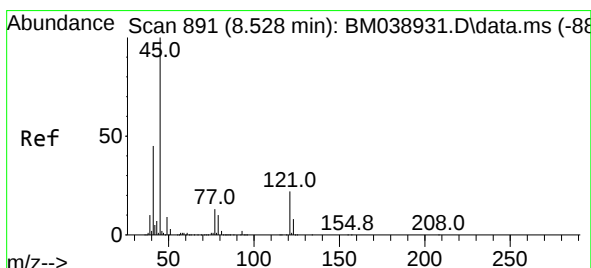
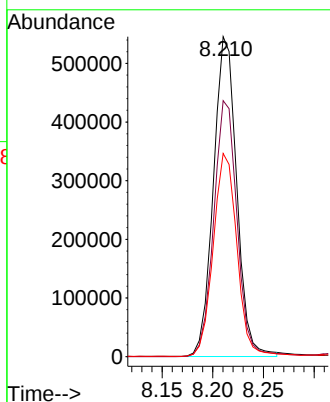
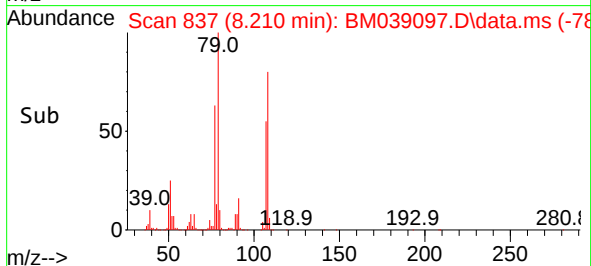
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion: 79 Resp: 873752
Ion Ratio Lower Upper
79 100
108 80.0 62.4 93.6
77 63.5 52.2 78.4

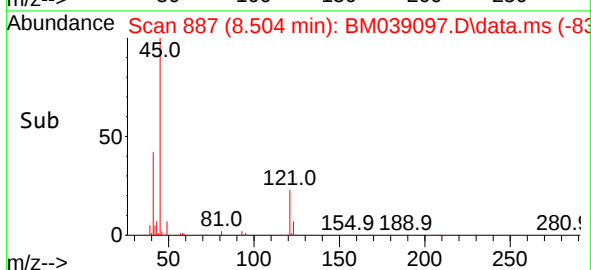
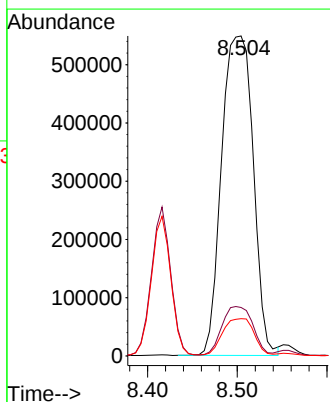
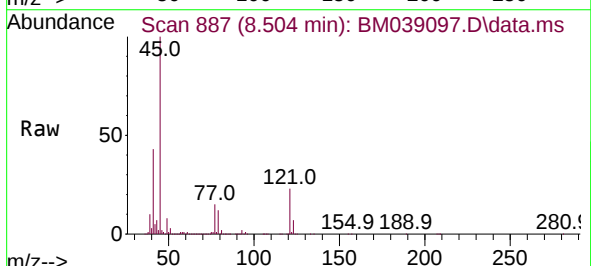
Manual Integrations
APPROVED

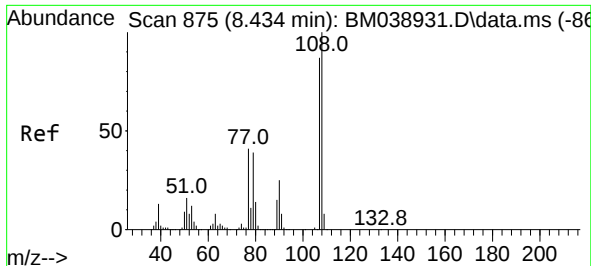
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.087 ng
RT: 8.504 min Scan# 887
Delta R.T. 0.006 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

Tgt Ion: 45 Resp: 1349204
Ion Ratio Lower Upper
45 100
77 15.1 0.0 34.8
79 11.6 0.0 31.5





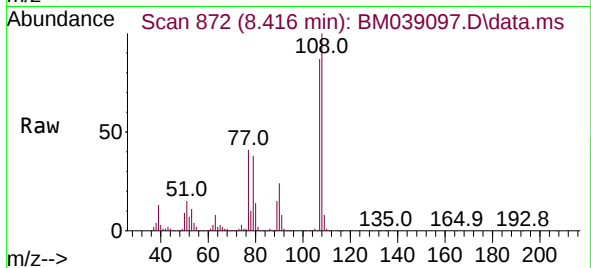
#17
2-Methylphenol
Concen: 43.763 ng
RT: 8.416 min Scan# 81
Delta R.T. 0.006 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

031023-3MSD

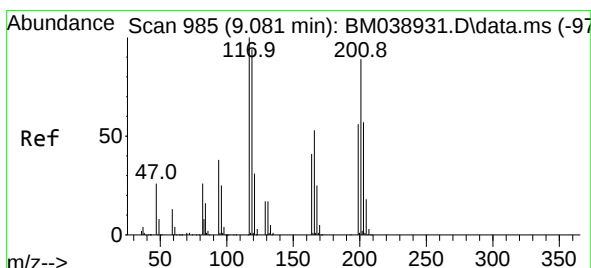
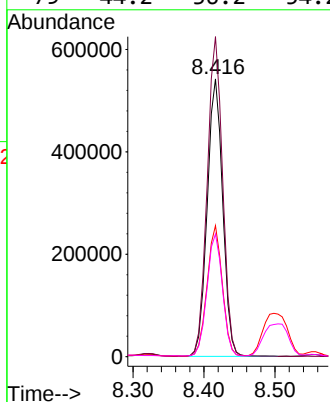
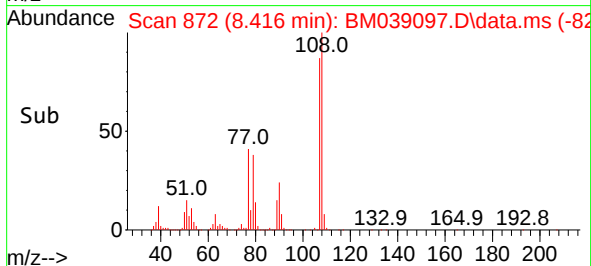


Tgt Ion:107 Resp: 821472
Ion Ratio Lower Upper
107 100
108 115.2 91.7 137.5
77 47.1 37.4 56.2
79 44.2 36.2 54.2

Manual Integrations

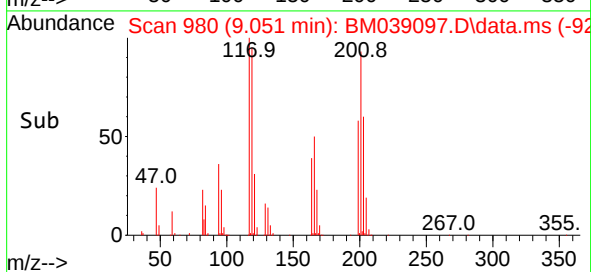
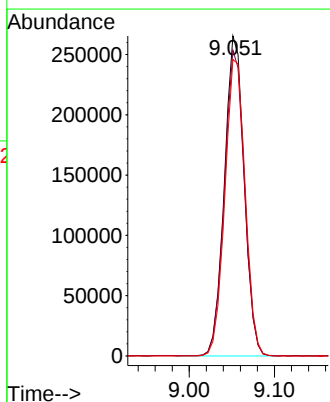
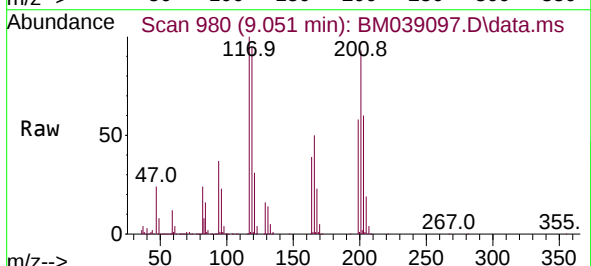
APPROVED

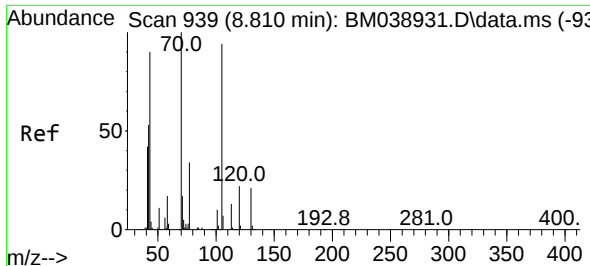
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#18
Hexachloroethane
Concen: 50.878 ng
RT: 9.051 min Scan# 980
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

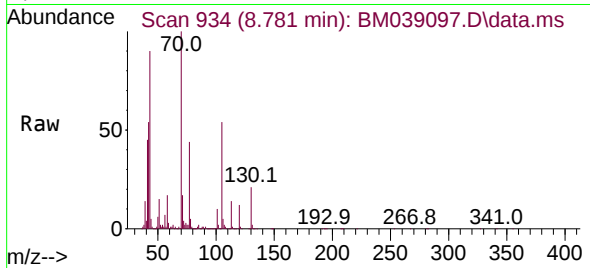
Tgt Ion:117 Resp: 427904
Ion Ratio Lower Upper
117 100
119 95.5 75.4 113.0
201 92.6 71.3 106.9





#19
n-Nitroso-di-n-propylamine
Concen: 47.601 ng
RT: 8.781 min Scan# 931
Delta R.T. -0.006 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

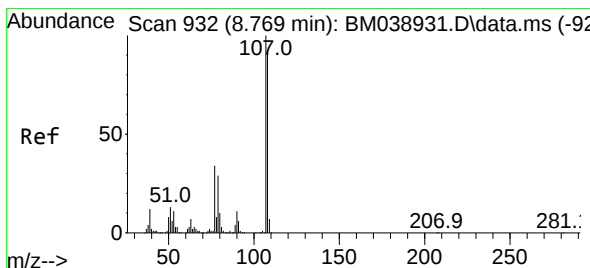
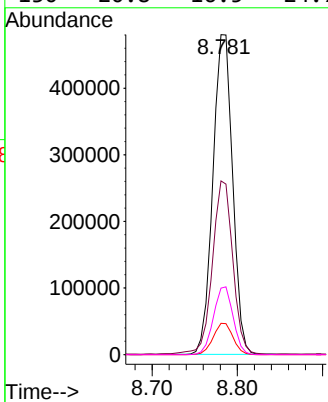
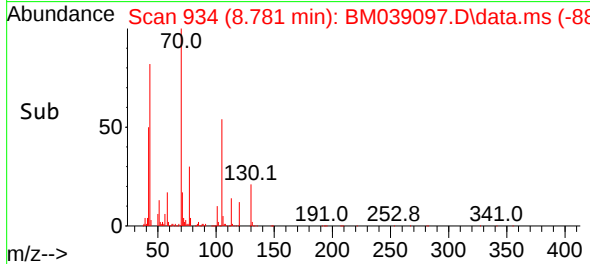
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion: 70 Resp: 771477
Ion Ratio Lower Upper
70 100
42 54.3 43.4 65.2
101 9.8 7.6 11.4
130 20.8 16.5 24.7

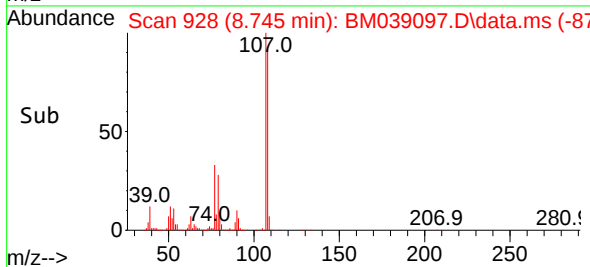
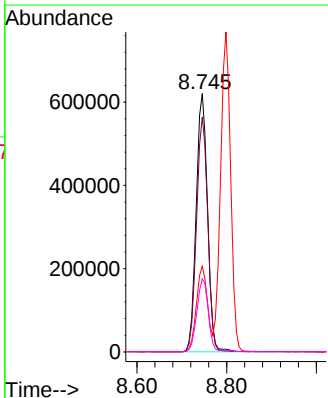
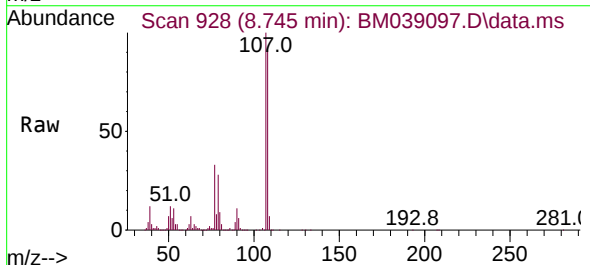
Manual Integrations
APPROVED

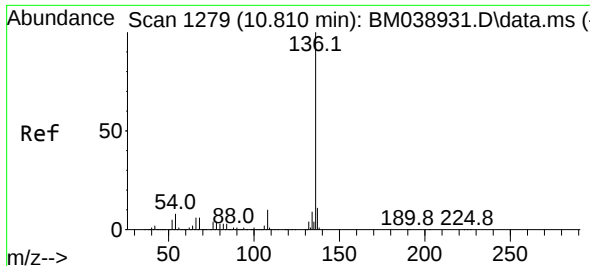
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#20
3+4-Methylphenols
Concen: 43.377 ng
RT: 8.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

Tgt Ion:107 Resp: 1087178
Ion Ratio Lower Upper
107 100
108 90.9 71.8 111.8
77 33.2 13.6 53.6
79 28.3 9.2 49.2





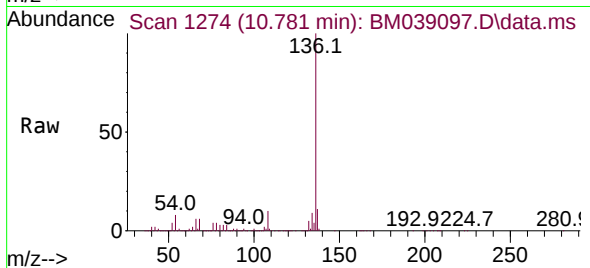
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 1143146
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

031023-3MSD

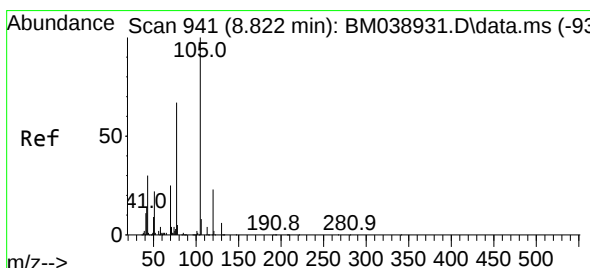
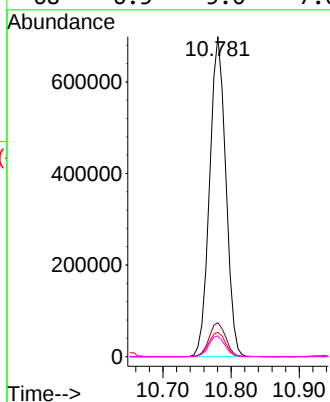
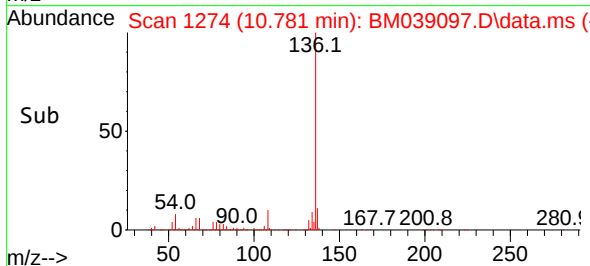


Tgt Ion:136 Resp: 1143146
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 7.6 6.3 9.5
68 6.5 5.0 7.6

Manual Integrations

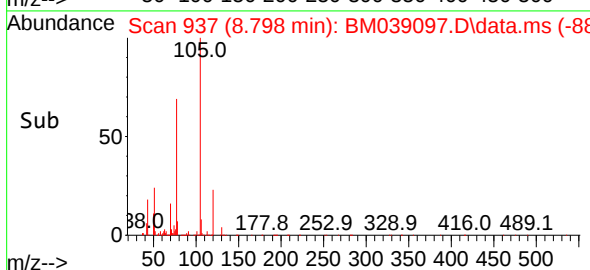
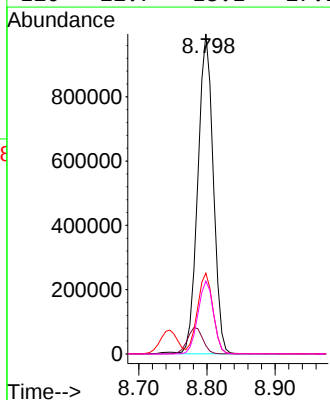
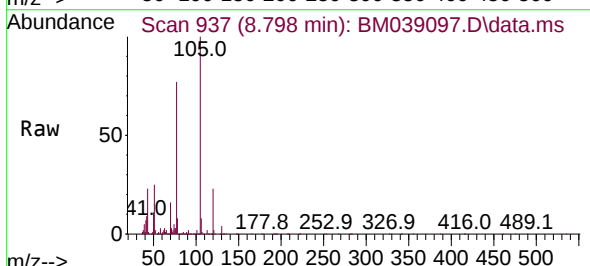
APPROVED

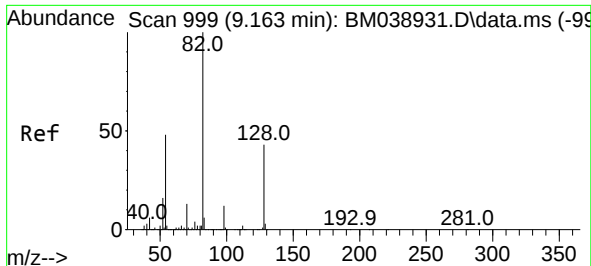
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#22
Acetophenone
Concen: 48.662 ng
RT: 8.798 min Scan# 937
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

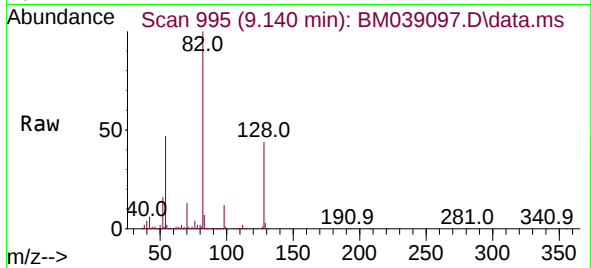
Tgt Ion:105 Resp: 1560699
Ion Ratio Lower Upper
105 100
71 2.6 3.4 5.0#
51 25.2 21.0 31.4
120 22.7 18.1 27.1





#23
Nitrobenzene-d5
Concen: 88.594 ng
RT: 9.140 min Scan# 999
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

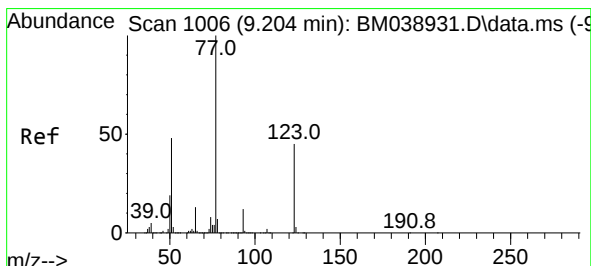
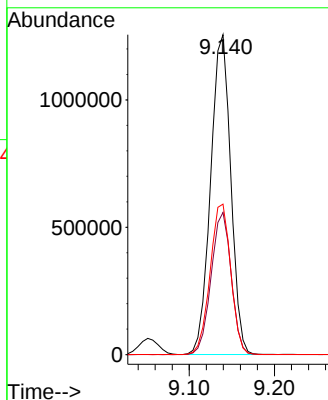
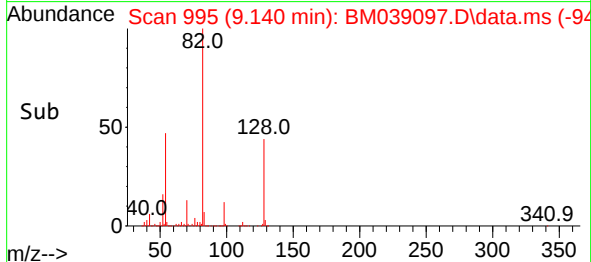
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



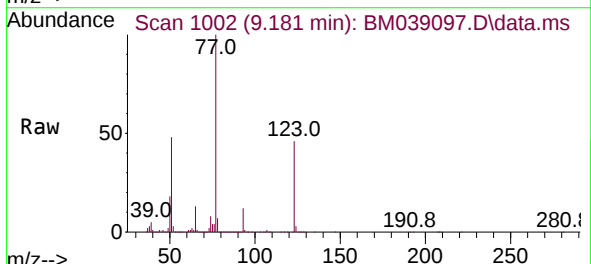
Tgt Ion: 82 Resp: 2061756
Ion Ratio Lower Upper
82 100
128 44.4 34.4 51.6
54 47.0 38.8 58.2

Manual Integrations
APPROVED

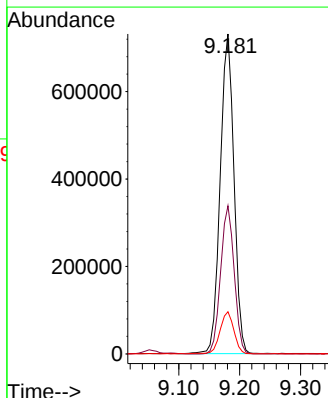
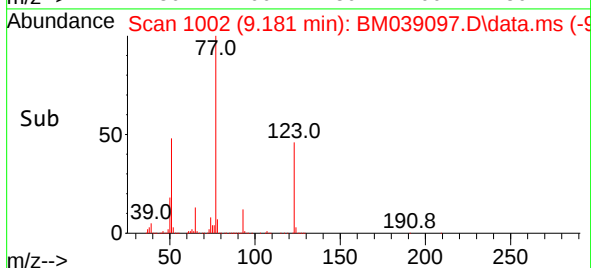
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

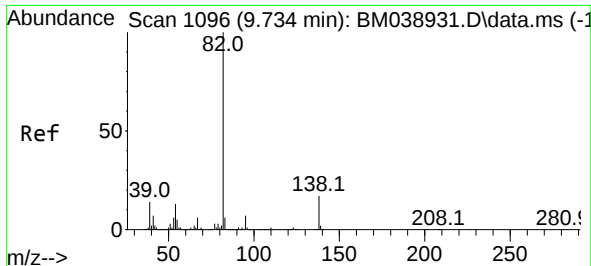


#24
Nitrobenzene
Concen: 46.997 ng
RT: 9.181 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10



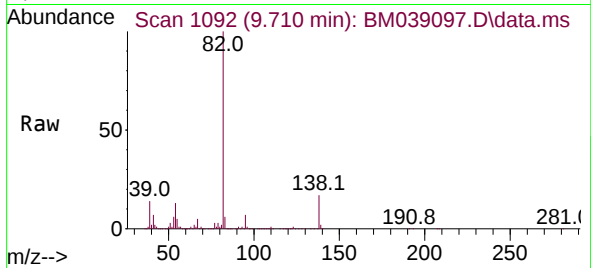
Tgt Ion: 77 Resp: 1149563
Ion Ratio Lower Upper
77 100
123 46.3 35.8 53.6
65 13.2 10.2 15.4





#25
Isophorone
Concen: 48.069 ng
RT: 9.710 min Scan# 1096
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

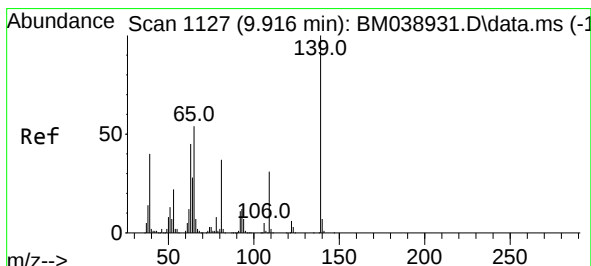
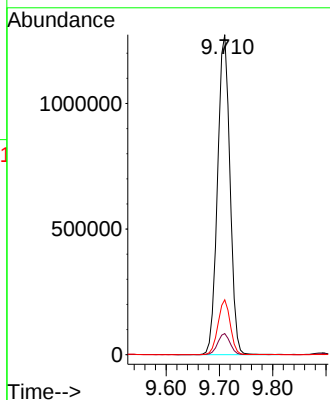
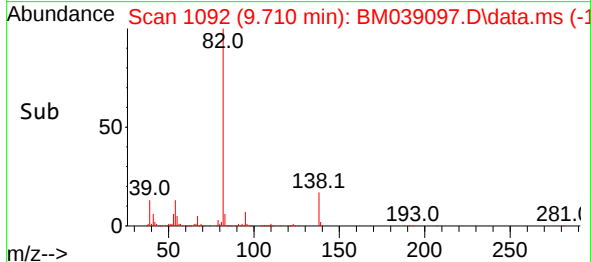
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion: 82 Resp: 205859
Ion Ratio Lower Upper
82 100
95 6.6 5.2 7.8
138 17.1 13.6 20.4

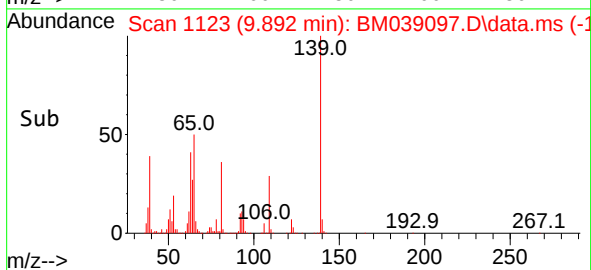
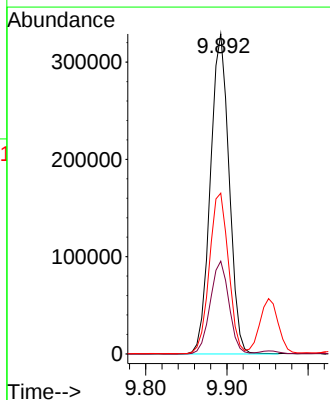
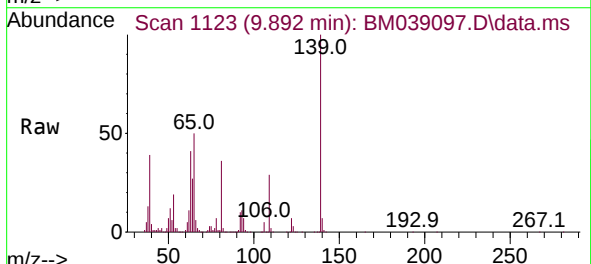
Manual Integrations
APPROVED

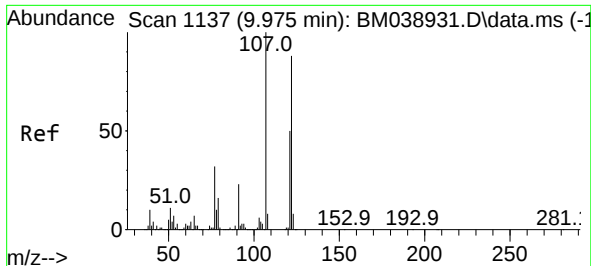
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#26
2-Nitrophenol
Concen: 48.689 ng
RT: 9.892 min Scan# 1123
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

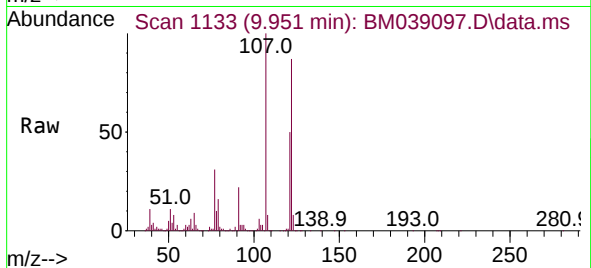
Tgt Ion:139 Resp: 526362
Ion Ratio Lower Upper
139 100
109 29.0 24.5 36.7
65 50.2 43.0 64.6





#27
2,4-Dimethylphenol
Concen: 47.649 ng
RT: 9.951 min Scan# 1133
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

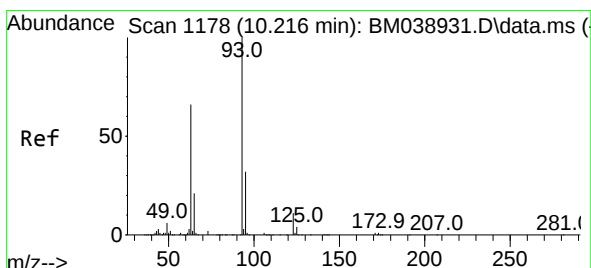
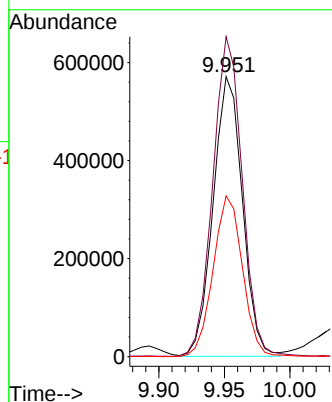
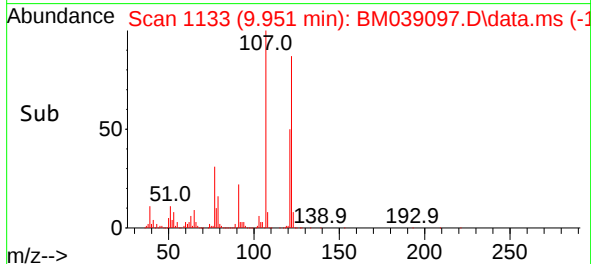
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



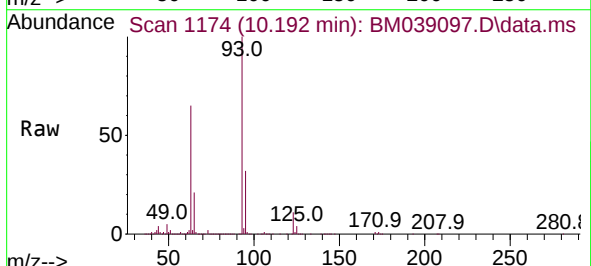
Tgt Ion:122 Resp: 889145
Ion Ratio Lower Upper
122 100
107 114.3 91.0 136.4
121 57.4 45.1 67.7

Manual Integrations
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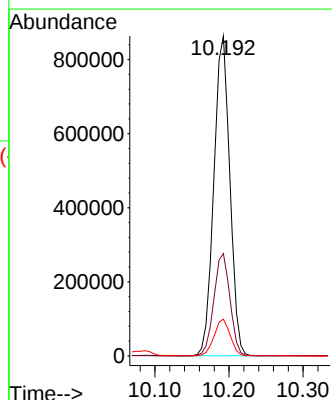
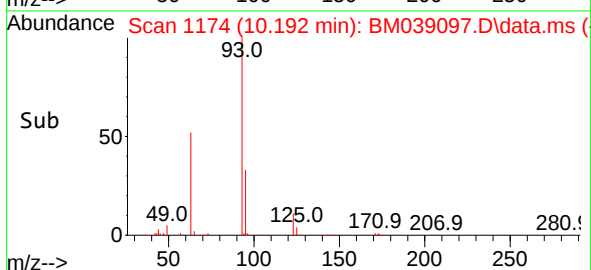
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

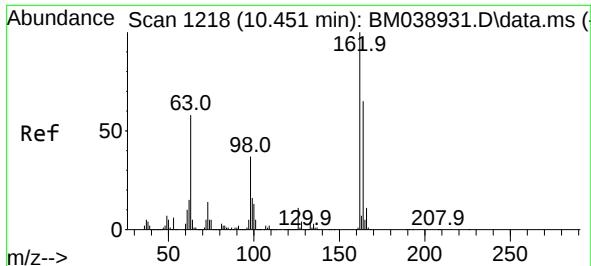


#28
bis(2-Chloroethoxy)methane
Concen: 47.029 ng
RT: 10.192 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10



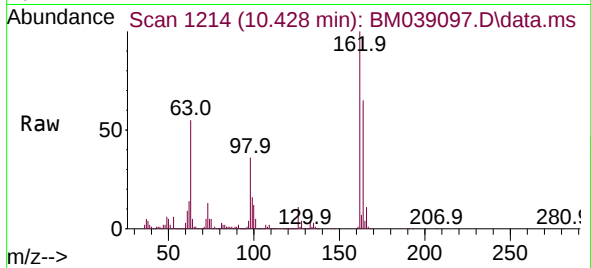
Tgt Ion: 93 Resp: 1294091
Ion Ratio Lower Upper
93 100
95 32.0 25.9 38.9
123 11.5 8.8 13.2





#29
2,4-Dichlorophenol
Concen: 48.843 ng
RT: 10.428 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

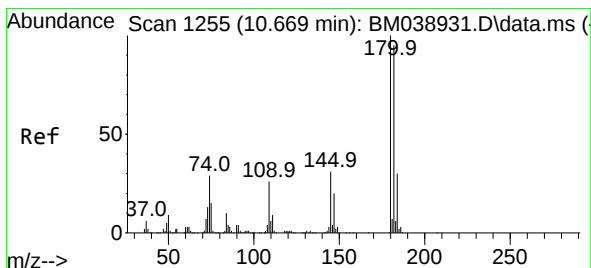
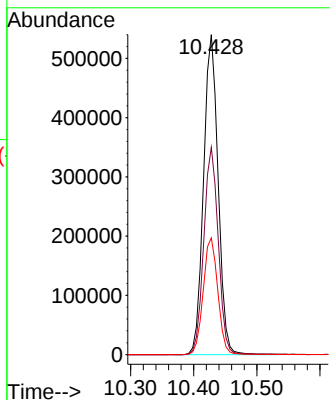
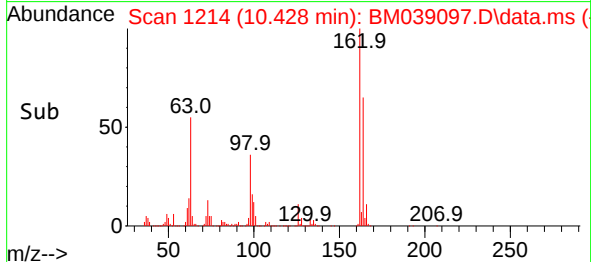
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion:162 Resp: 864097
Ion Ratio Lower Upper
162 100
164 64.8 44.6 84.6
98 36.5 17.5 57.5

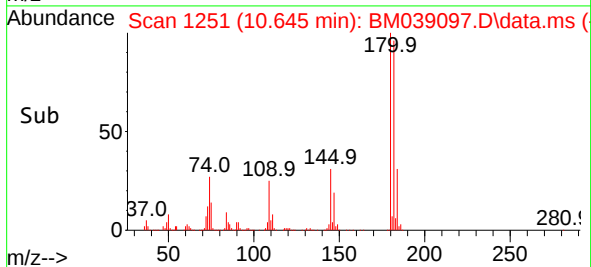
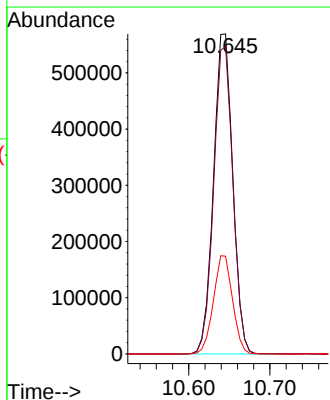
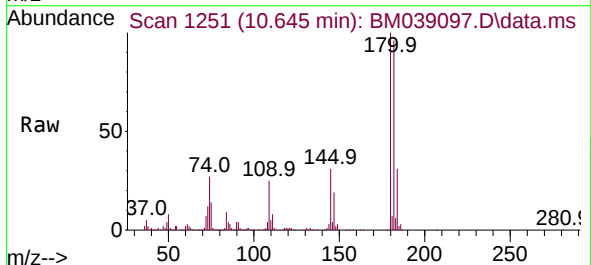
Manual Integrations
APPROVED

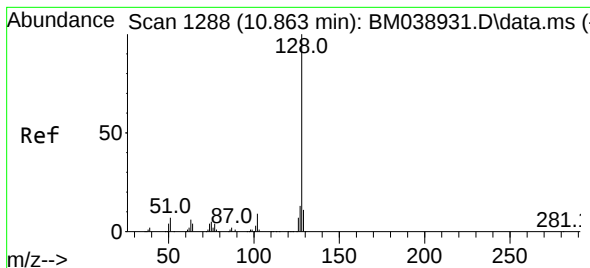
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#30
1,2,4-Trichlorobenzene
Concen: 48.496 ng
RT: 10.645 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

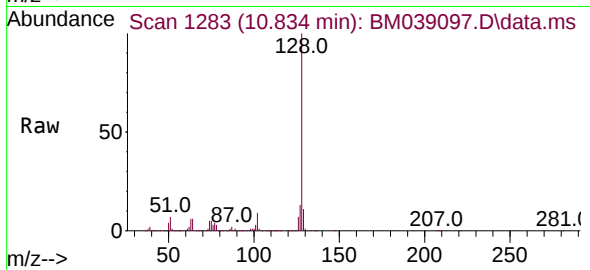
Tgt Ion:180 Resp: 937548
Ion Ratio Lower Upper
180 100
182 96.1 76.3 114.5
145 30.5 25.0 37.4





#31
Naphthalene
Concen: 46.480 ng
RT: 10.834 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

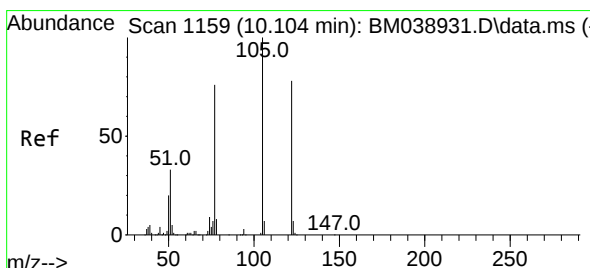
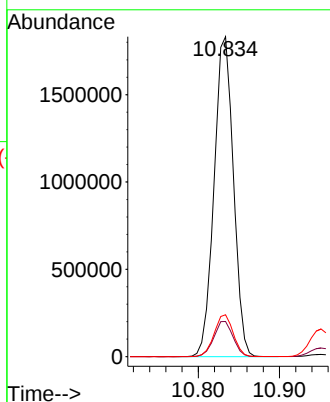
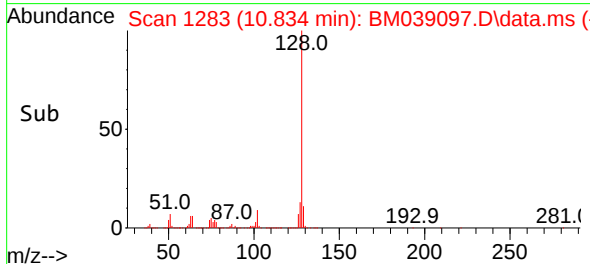
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion:128 Resp: 3029756
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.1 10.2 15.4

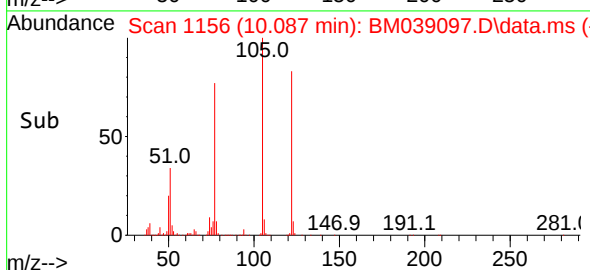
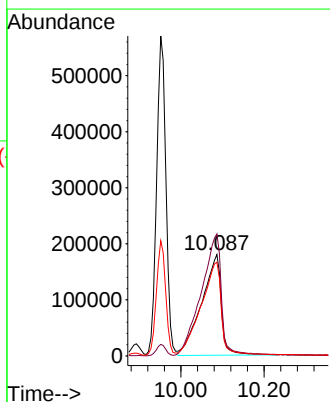
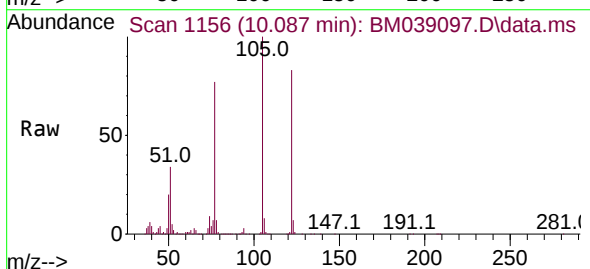
Manual Integrations
APPROVED

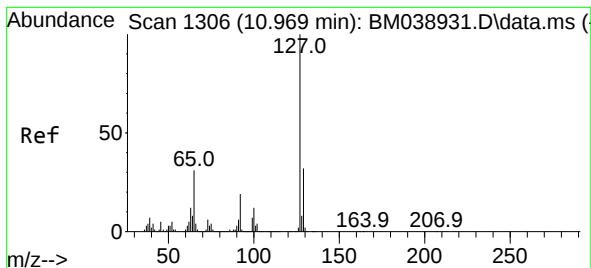
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#32
Benzoic acid
Concen: 43.840 ng
RT: 10.087 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

Tgt Ion:122 Resp: 592493
Ion Ratio Lower Upper
122 100
105 120.5 104.2 144.2
77 92.5 75.1 115.1





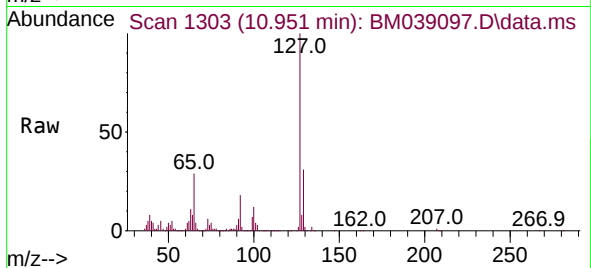
#33
4-Chloroaniline
Concen: 13.014 ng
RT: 10.951 min Scan# 1303
Delta R.T. 0.012 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

031023-3MSD

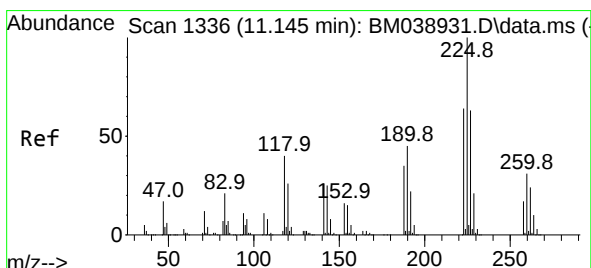
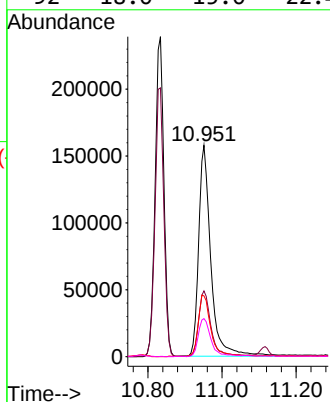
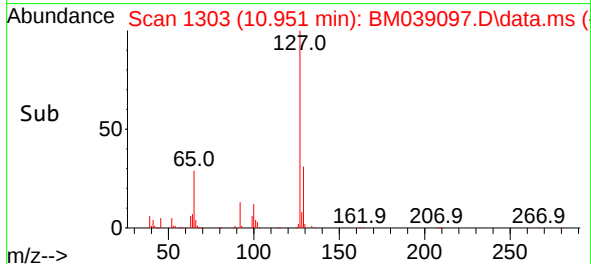


Tgt Ion:127 Resp: 361531
Ion Ratio Lower Upper
127 100
129 31.1 25.4 38.2
65 28.7 24.4 36.6
92 18.0 15.0 22.4

Manual Integrations

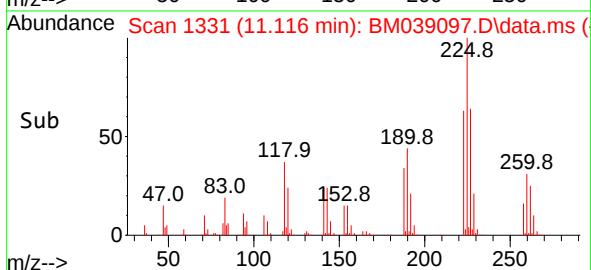
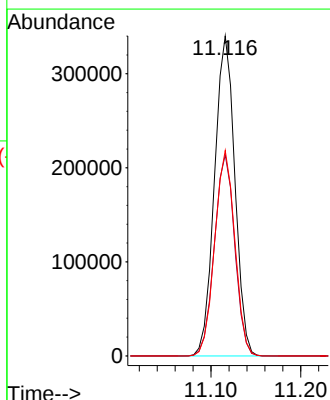
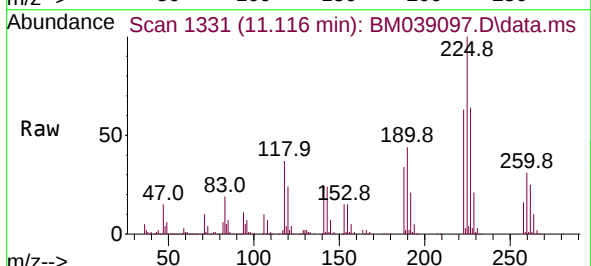
APPROVED

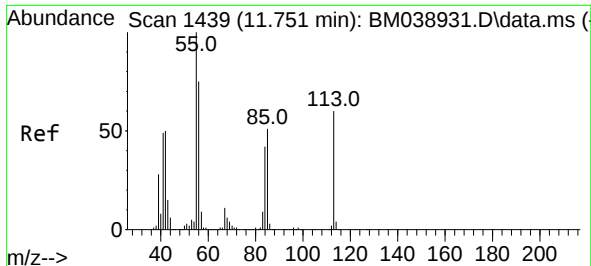
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#34
Hexachlorobutadiene
Concen: 48.538 ng
RT: 11.116 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

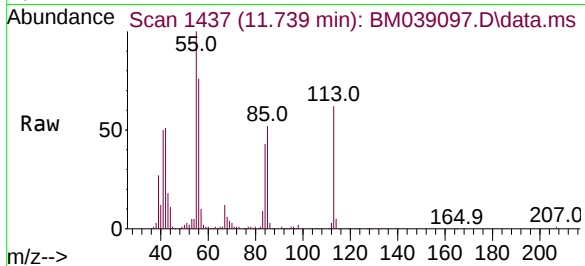
Tgt Ion:225 Resp: 538110
Ion Ratio Lower Upper
225 100
223 62.8 51.3 76.9
227 64.2 50.6 76.0





#35
Caprolactam
Concen: 39.527 ng
RT: 11.739 min Scan# 1437
Delta R.T. 0.006 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

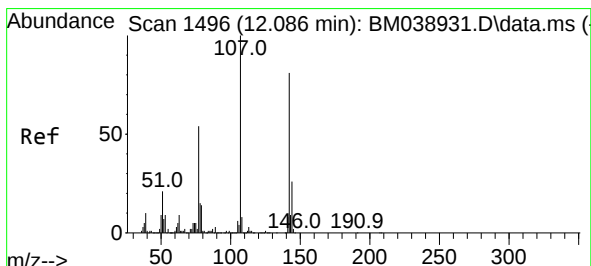
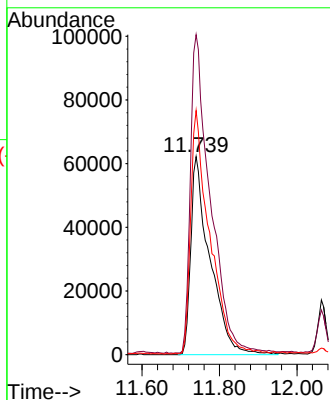
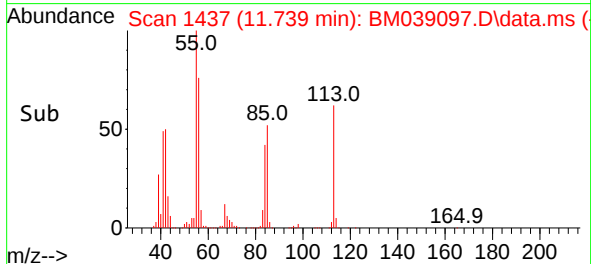
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



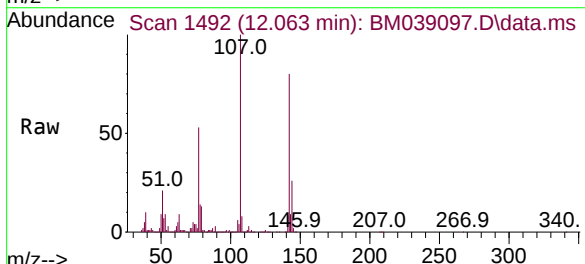
Tgt Ion:113 Resp: 212829
Ion Ratio Lower Upper
113 100
55 161.6 147.0 187.0
56 123.3 105.1 145.1

Manual Integrations
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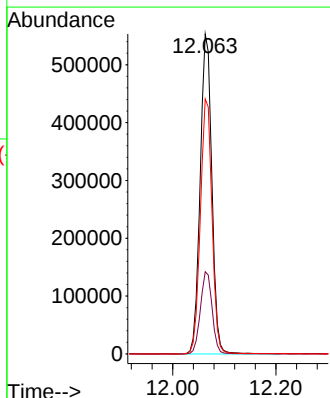
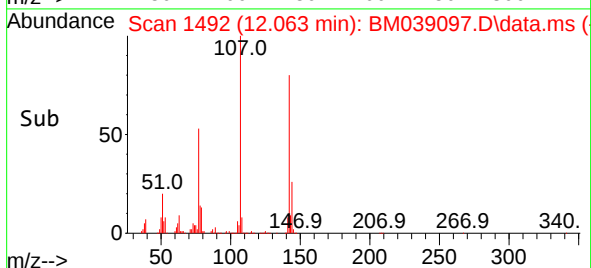
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

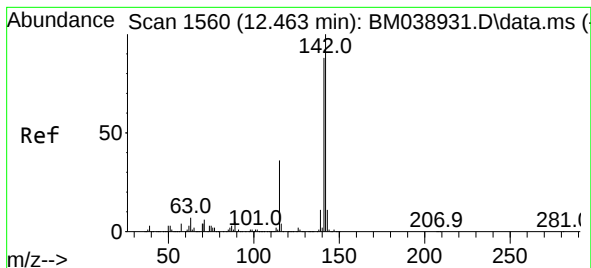


#36
4-Chloro-3-methylphenol
Concen: 45.955 ng
RT: 12.063 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10



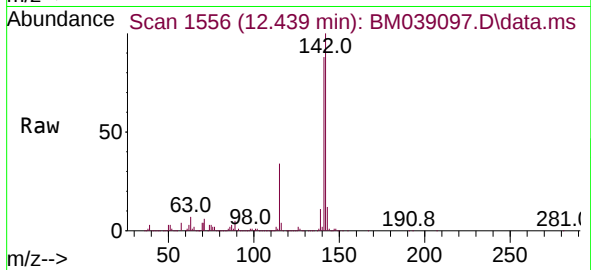
Tgt Ion:107 Resp: 865718
Ion Ratio Lower Upper
107 100
144 25.7 20.7 31.1
142 79.7 64.6 97.0





#37
2-Methylnaphthalene
Concen: 44.829 ng
RT: 12.439 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

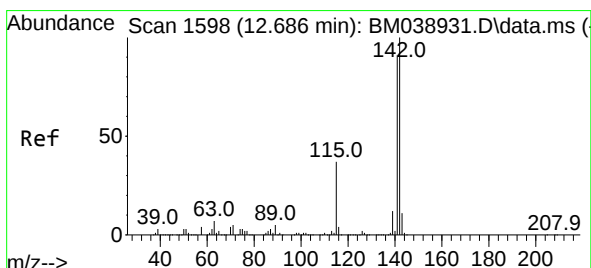
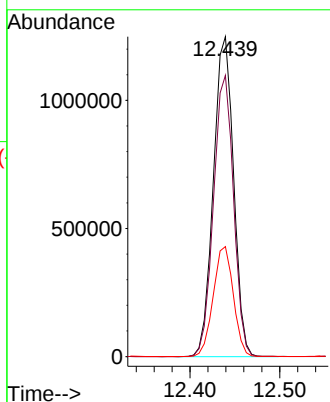
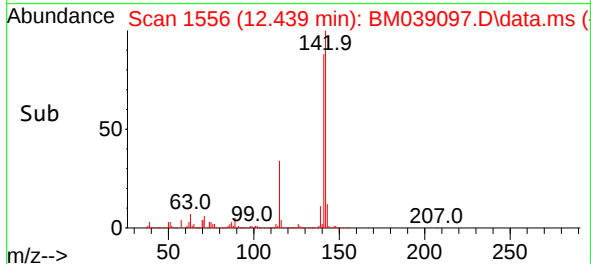
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion:142 Resp: 1958562
Ion Ratio Lower Upper
142 100
141 87.9 70.6 106.0
115 34.4 28.5 42.7

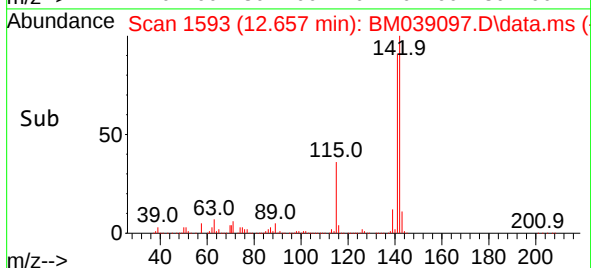
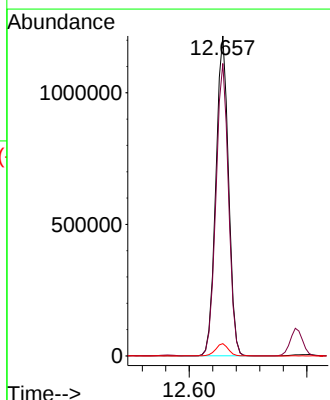
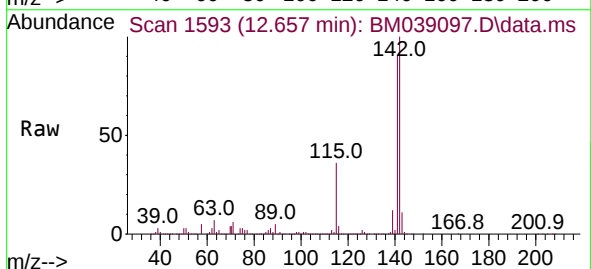
Manual Integrations
APPROVED

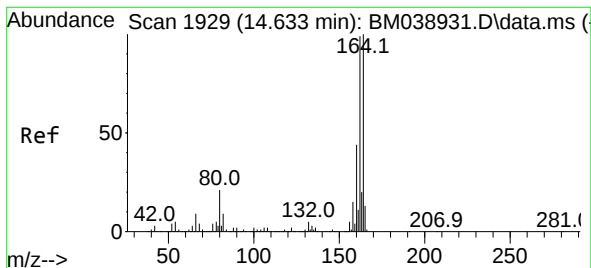
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#38
1-Methylnaphthalene
Concen: 44.349 ng
RT: 12.657 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

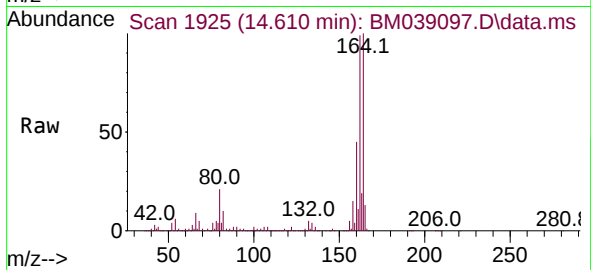
Tgt Ion:142 Resp: 1815787
Ion Ratio Lower Upper
142 100
141 91.4 72.8 109.2
116 3.8 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

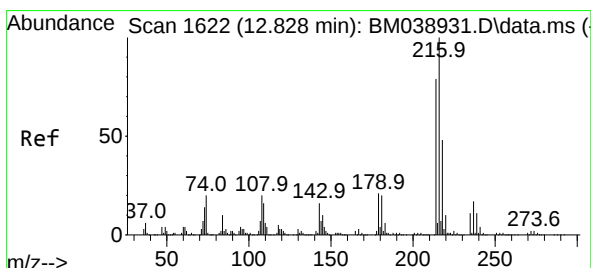
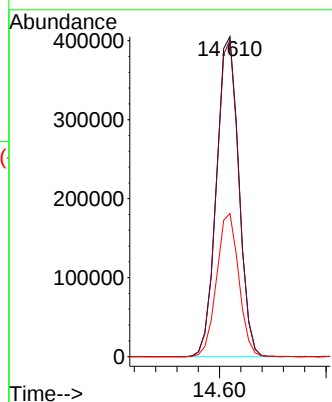
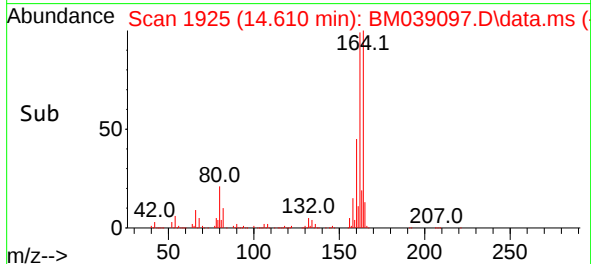
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



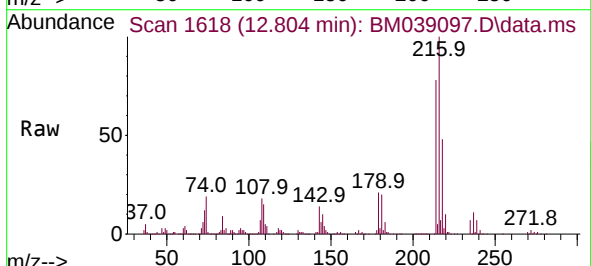
Tgt Ion:164 Resp: 589596
Ion Ratio Lower Upper
164 100
162 99.0 79.2 118.8
160 44.7 35.5 53.3

Manual Integrations
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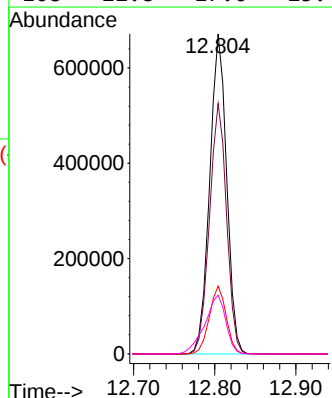
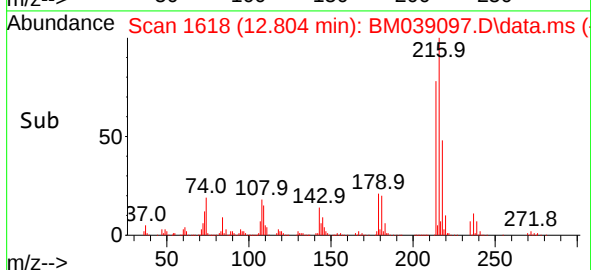
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

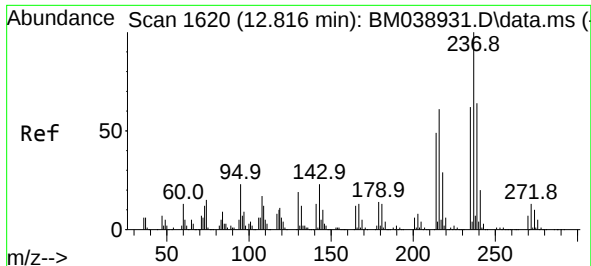


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.821 ng
RT: 12.804 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10



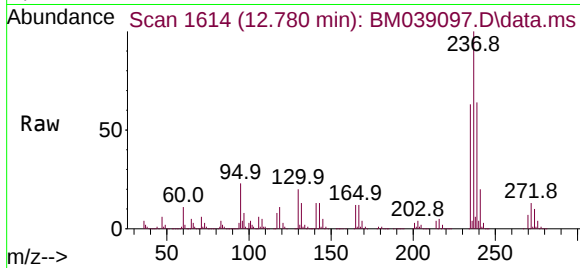
Tgt Ion:216 Resp: 974103
Ion Ratio Lower Upper
216 100
214 78.7 63.0 94.4
179 21.1 16.8 25.2
108 22.8 17.0 25.4





#41
Hexachlorocyclopentadiene
Concen: 111.431 ng
RT: 12.780 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

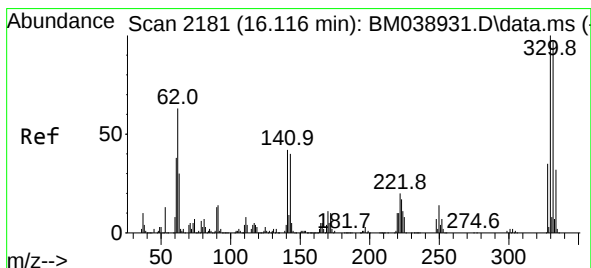
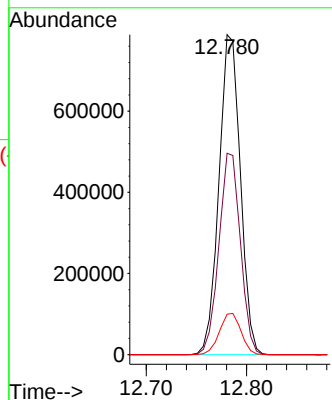
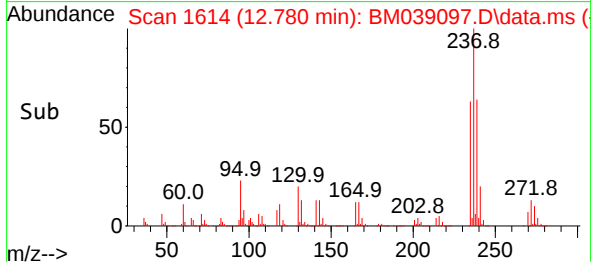
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



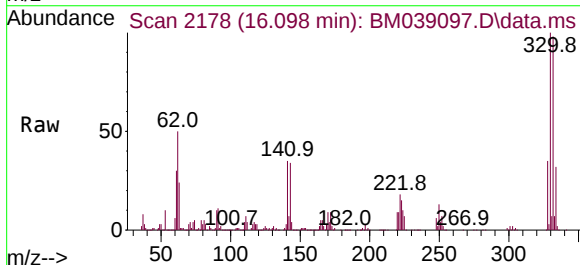
Tgt Ion:237 Resp: 1172385
Ion Ratio Lower Upper
237 100
235 62.9 41.7 81.7
272 12.6 0.0 33.2

Manual Integrations
APPROVED

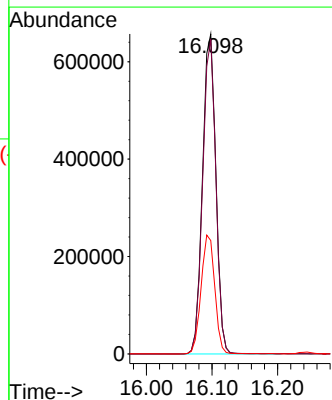
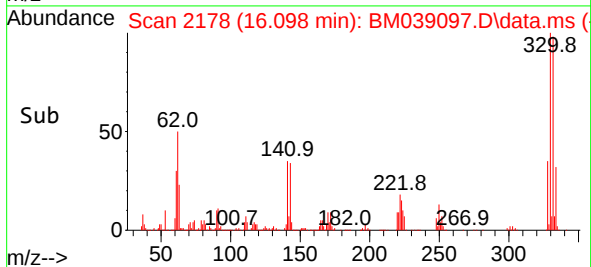
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

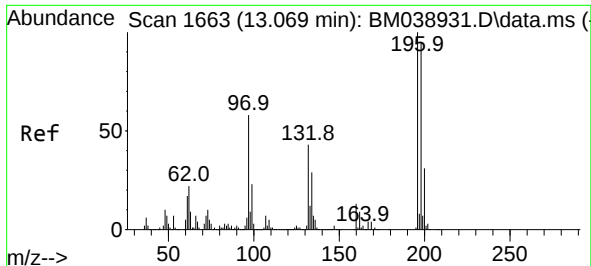


#42
2,4,6-Tribromophenol
Concen: 135.470 ng
RT: 16.098 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10



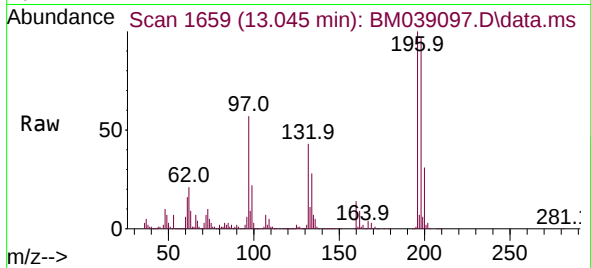
Tgt Ion:330 Resp: 924001
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 38.1 32.2 48.4





#43
2,4,6-Trichlorophenol
Concen: 50.547 ng
RT: 13.045 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

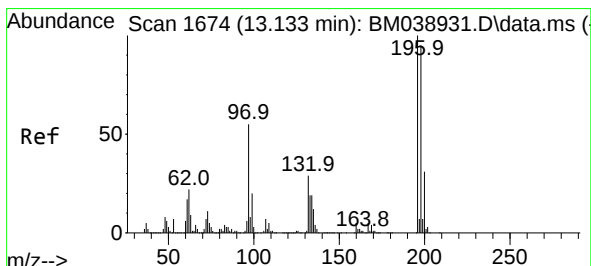
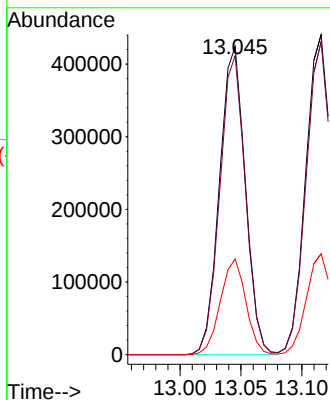
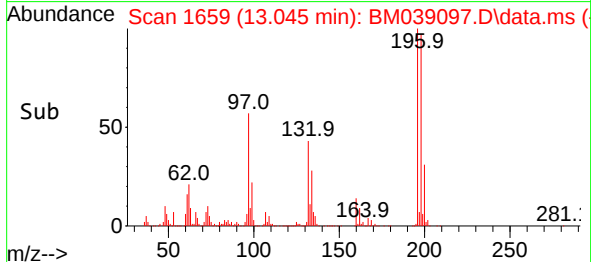
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



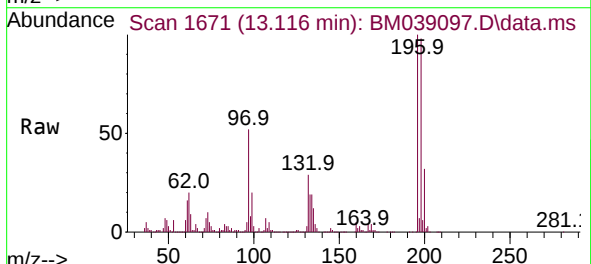
Tgt Ion:196 Resp: 627393
Ion Ratio Lower Upper
196 100
198 97.1 75.8 113.8
200 31.1 25.0 37.4

Manual Integrations
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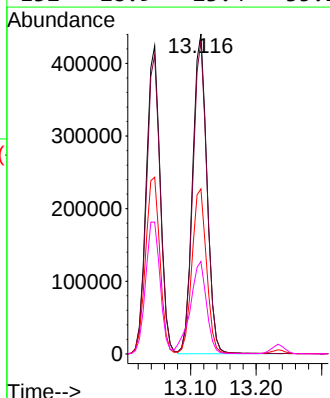
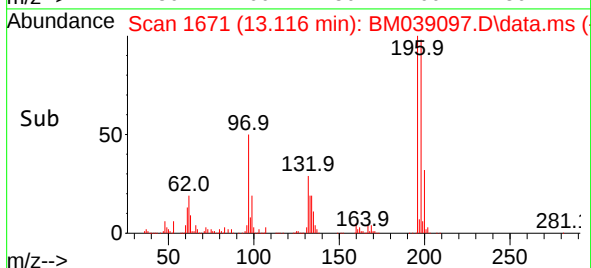
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

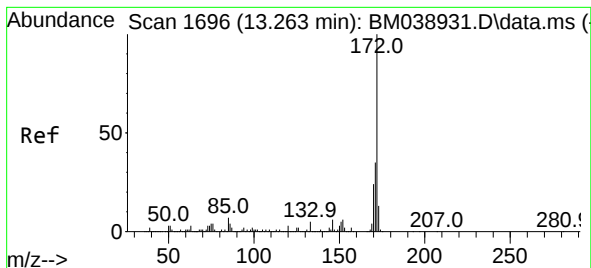


#44
2,4,5-Trichlorophenol
Concen: 45.810 ng
RT: 13.116 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10



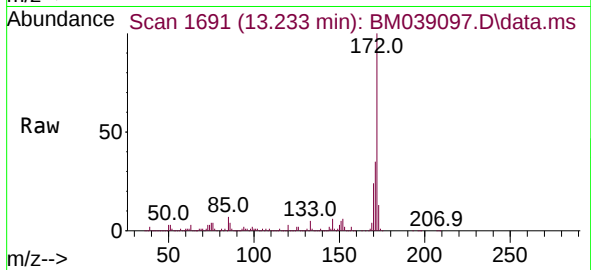
Tgt Ion:196 Resp: 665541
Ion Ratio Lower Upper
196 100
198 97.7 76.3 114.5
97 51.6 44.2 66.4
132 28.9 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 88.775 ng
RT: 13.233 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

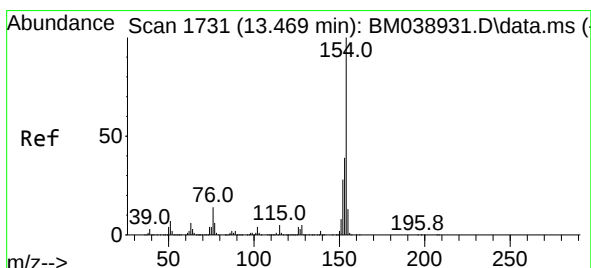
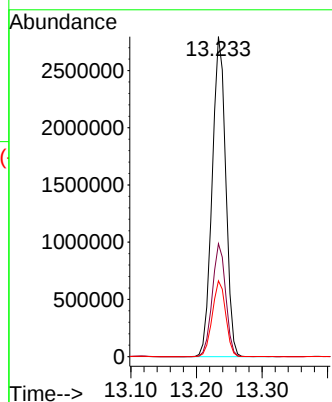
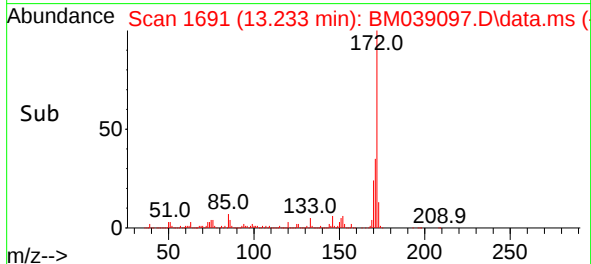
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



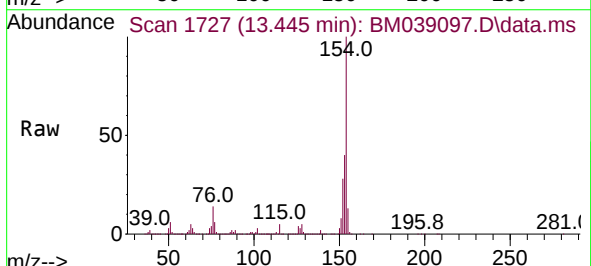
Tgt Ion:172 Resp: 4020683
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.7 19.1 28.7

Manual Integrations
APPROVED

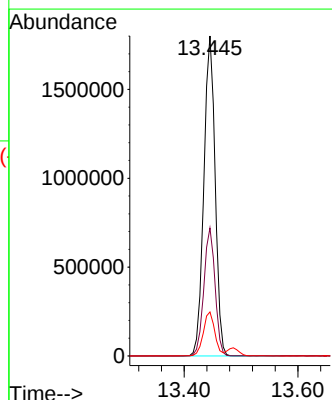
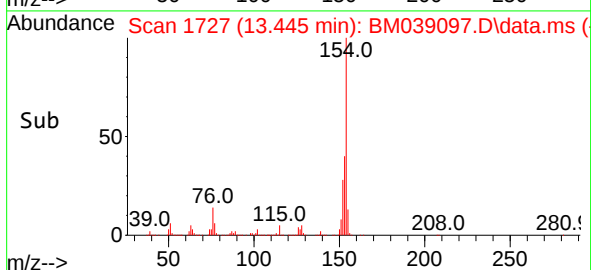
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

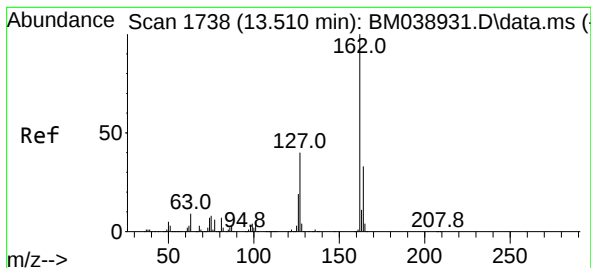


#46
1,1'-Biphenyl
Concen: 49.847 ng
RT: 13.445 min Scan# 1727
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10



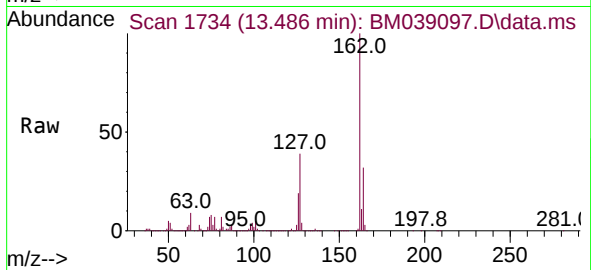
Tgt Ion:154 Resp: 2489788
Ion Ratio Lower Upper
154 100
153 40.0 19.3 59.3
76 13.7 0.0 34.0





#47
2-Chloronaphthalene
Concen: 50.020 ng
RT: 13.486 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

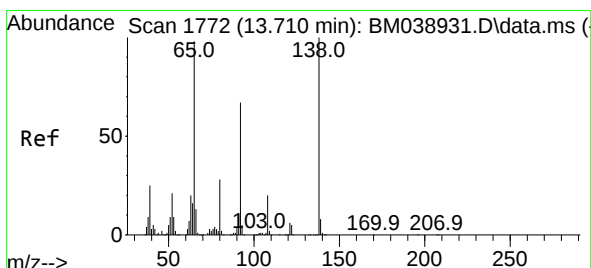
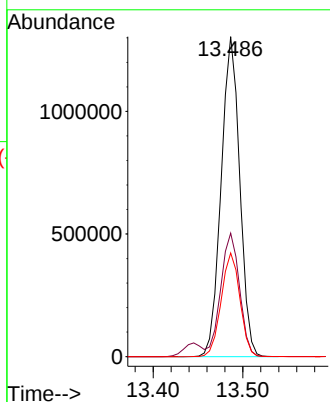
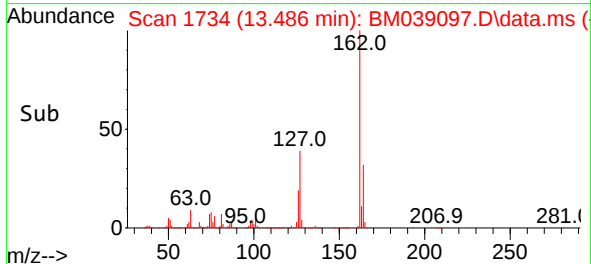
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion:162 Resp: 1884002
Ion Ratio Lower Upper
162 100
127 38.6 32.1 48.1
164 32.4 26.2 39.4

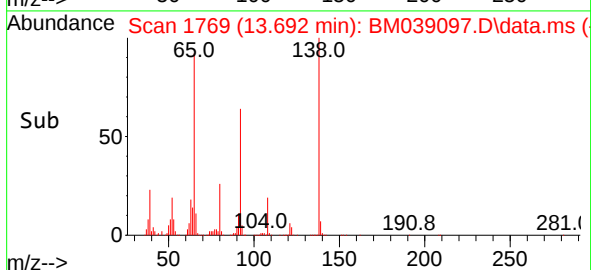
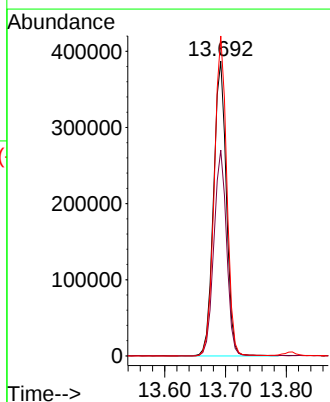
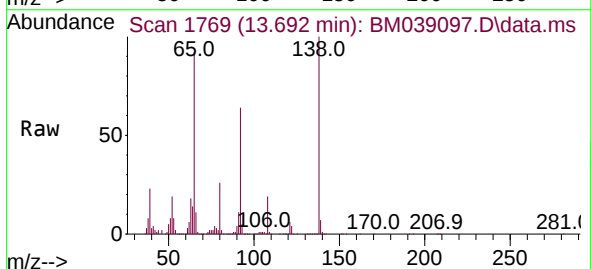
Manual Integrations
APPROVED

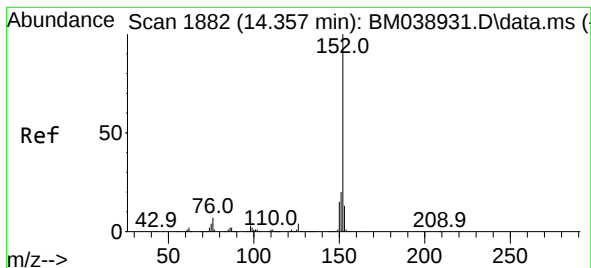
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#48
2-Nitroaniline
Concen: 46.804 ng
RT: 13.692 min Scan# 1769
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

Tgt Ion: 65 Resp: 563723
Ion Ratio Lower Upper
65 100
92 69.8 54.9 82.3
138 108.5 81.6 122.4





#49

Acenaphthylene

Concen: 47.987 ng

RT: 14.333 min Scan# 1882

Delta R.T. 0.000 min

Lab File: BM039097.D

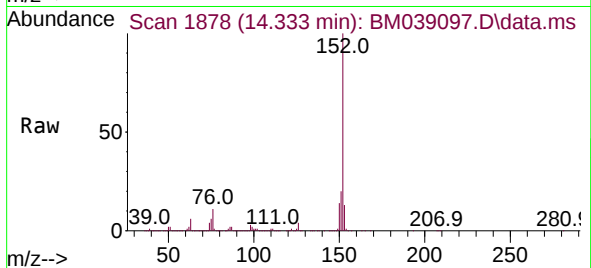
Acq: 22 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

031023-3MSD



Tgt Ion:152 Resp: 2878968

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.8

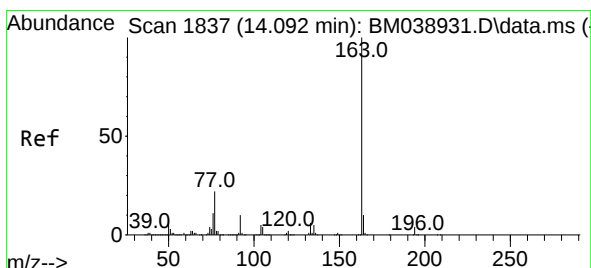
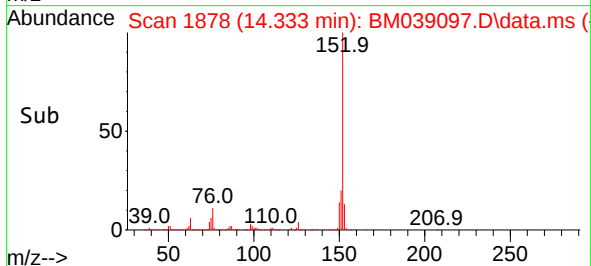
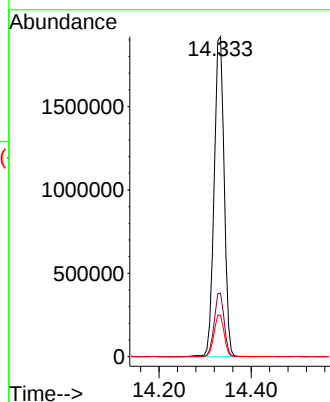
153 13.0 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#50

Dimethylphthalate

Concen: 47.012 ng

RT: 14.069 min Scan# 1833

Delta R.T. 0.000 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

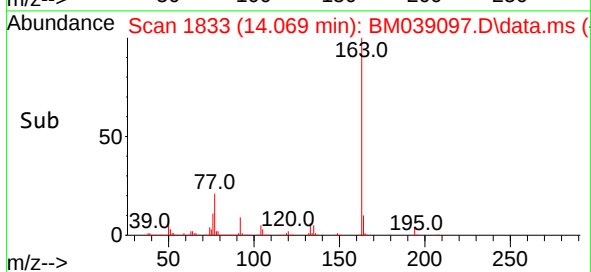
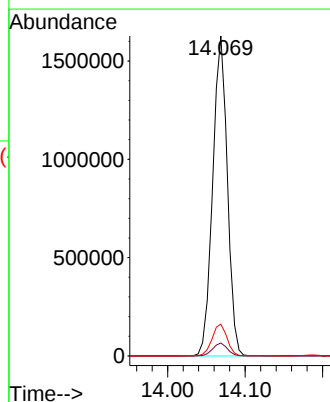
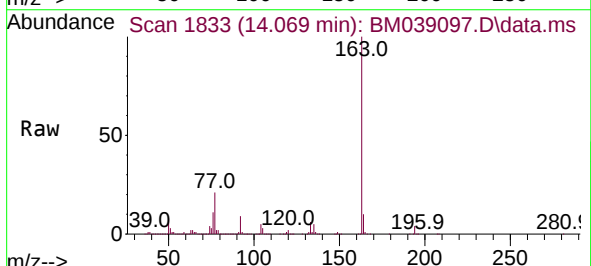
Tgt Ion:163 Resp: 2132877

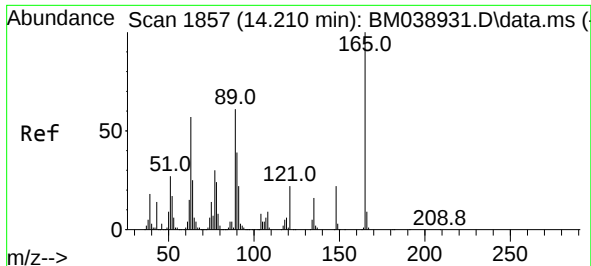
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

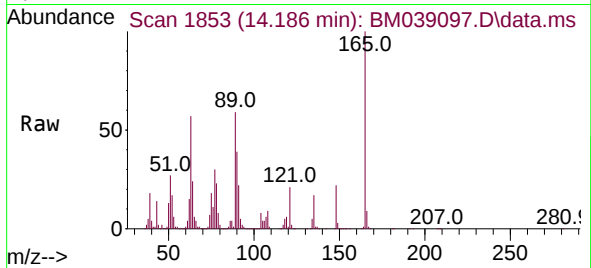
164 9.9 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 46.706 ng
RT: 14.186 min Scan# 1853
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

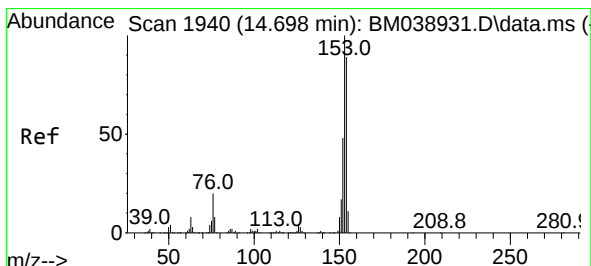
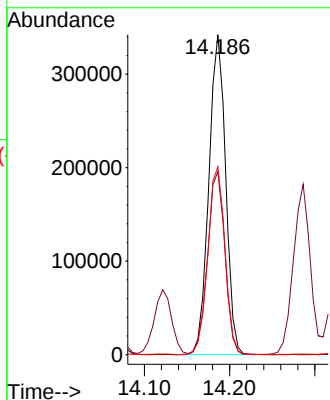
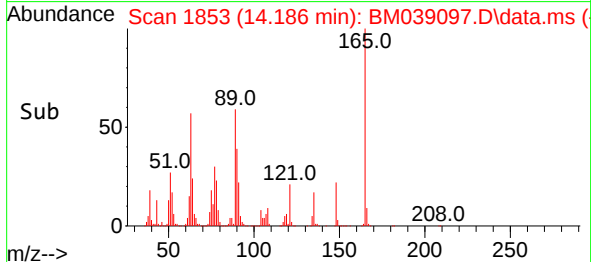
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



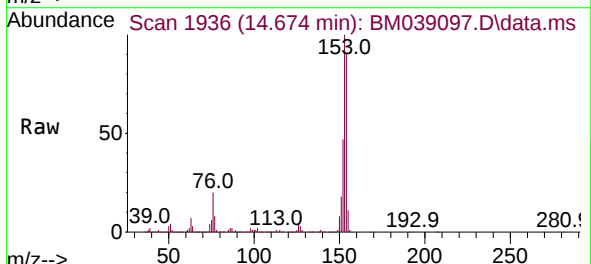
Tgt Ion:165 Resp: 468295
Ion Ratio Lower Upper
165 100
63 57.1 46.6 70.0
89 58.7 48.6 73.0

Manual Integrations
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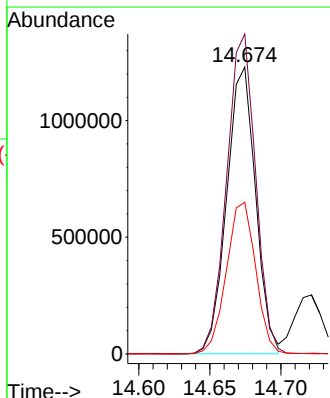
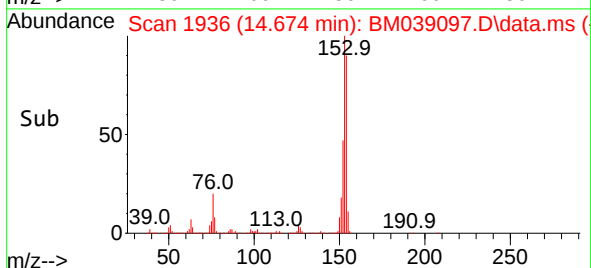
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

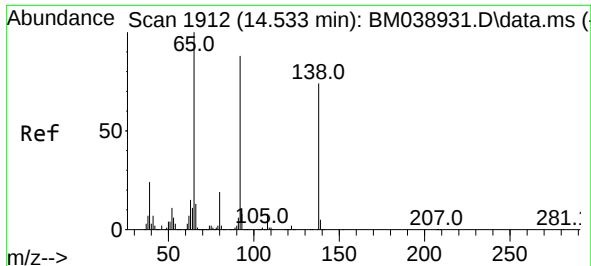


#52
Acenaphthene
Concen: 47.249 ng
RT: 14.674 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10



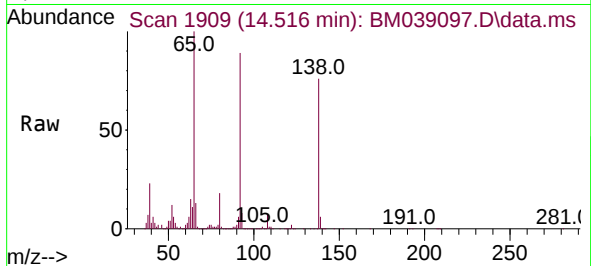
Tgt Ion:154 Resp: 1742122
Ion Ratio Lower Upper
154 100
153 111.6 90.2 135.2
152 52.9 43.4 65.2





#53
3-Nitroaniline
Concen: 40.719 ng
RT: 14.516 min Scan# 1912
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

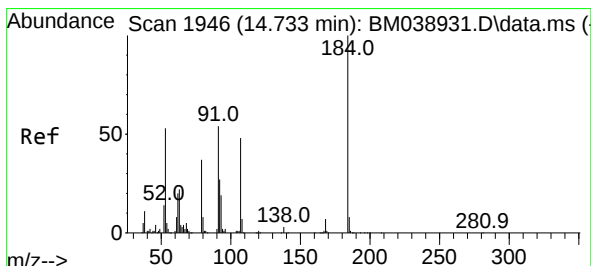
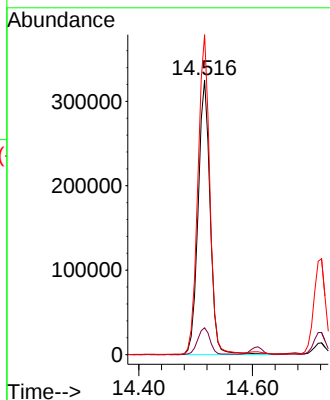
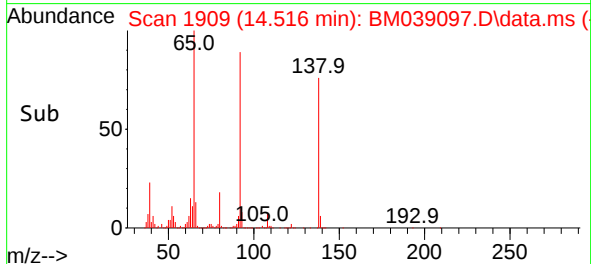
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion:138 Resp: 474674
Ion Ratio Lower Upper
138 100
108 9.8 8.3 12.5
92 116.5 95.8 143.8

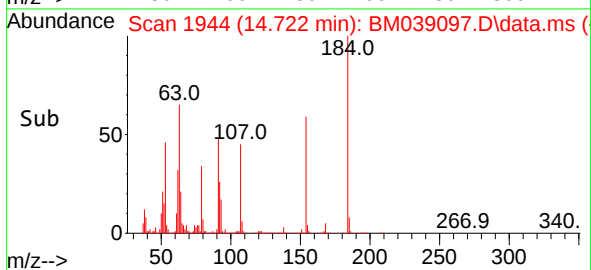
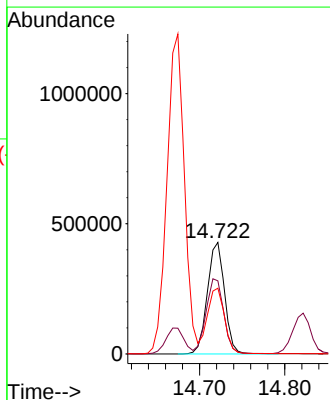
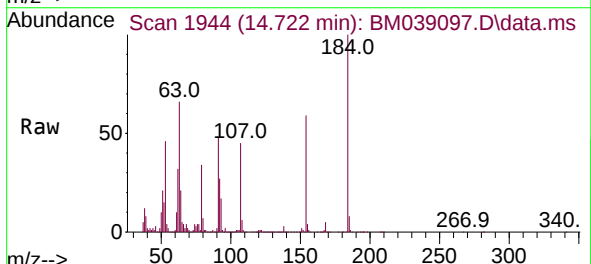
Manual Integrations
APPROVED

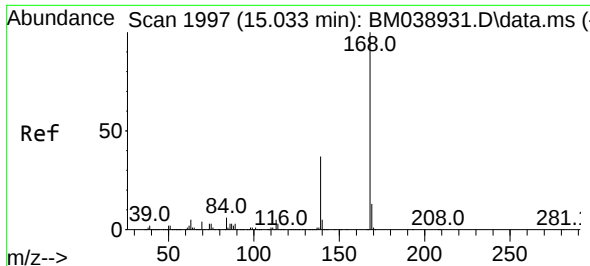
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#54
2,4-Dinitrophenol
Concen: 102.198 ng
RT: 14.722 min Scan# 1944
Delta R.T. 0.006 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

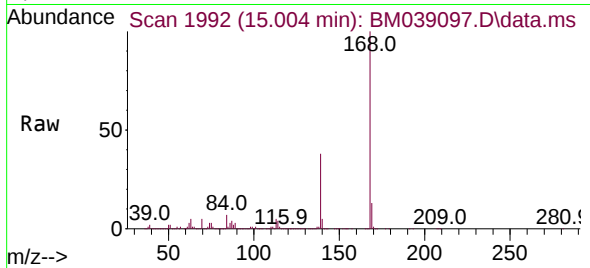
Tgt Ion:184 Resp: 598259
Ion Ratio Lower Upper
184 100
63 65.6 60.6 90.8
154 59.0 51.4 77.2





#55
Dibenzenofuran
Concen: 46.683 ng
RT: 15.004 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

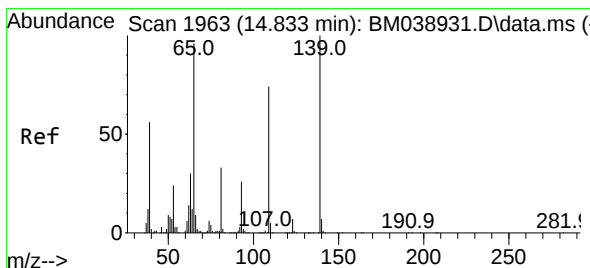
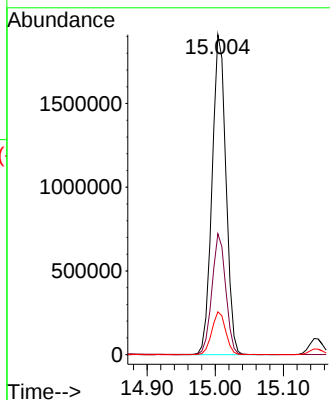
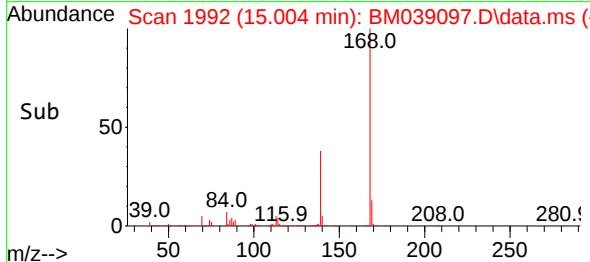
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion:168 Resp: 2693508
Ion Ratio Lower Upper
168 100
139 37.8 29.9 44.9
169 13.4 10.7 16.1

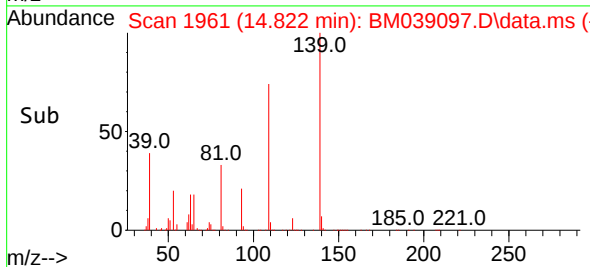
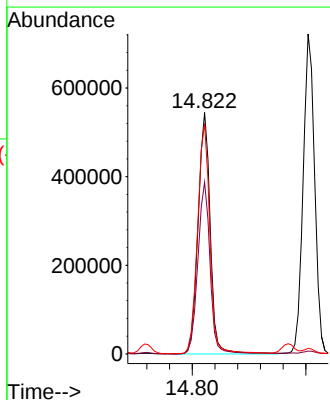
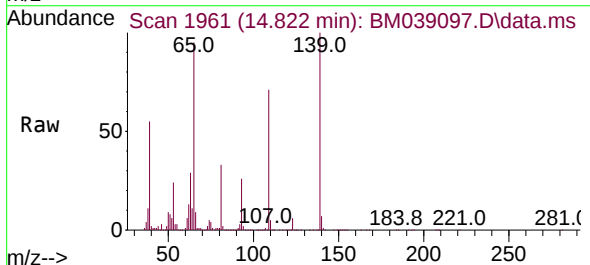
Manual Integrations
APPROVED

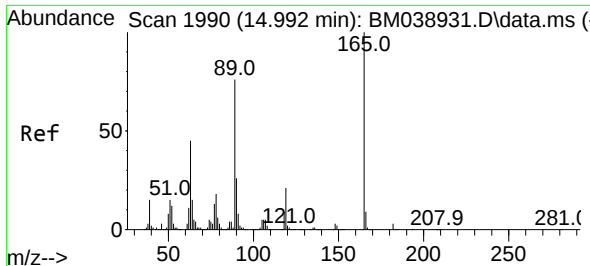
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#56
4-Nitrophenol
Concen: 89.528 ng
RT: 14.822 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

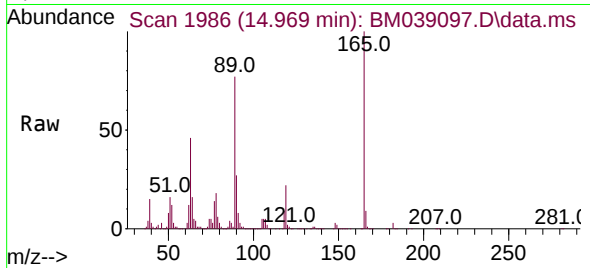
Tgt Ion:139 Resp: 806681
Ion Ratio Lower Upper
139 100
109 71.1 53.5 93.5
65 95.4 76.4 116.4





#57
2,4-Dinitrotoluene
Concen: 46.360 ng
RT: 14.969 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

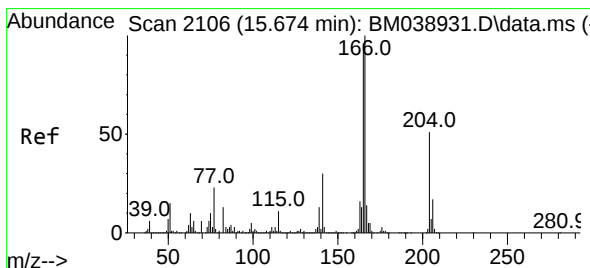
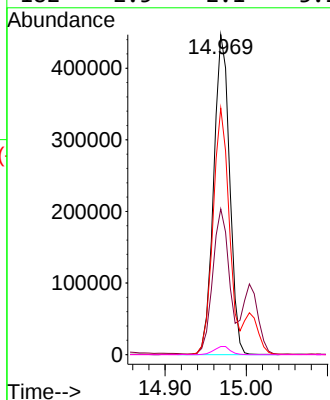
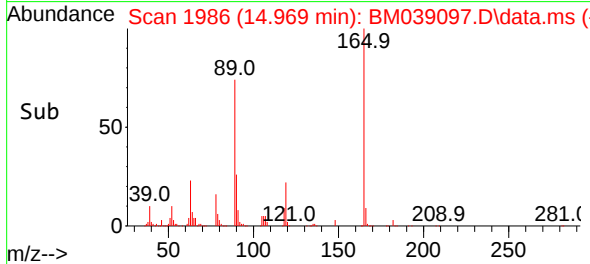
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion:165 Resp: 611176
Ion Ratio Lower Upper
165 100
63 45.5 35.9 53.9
89 77.0 61.0 91.6
182 2.5 2.1 3.1

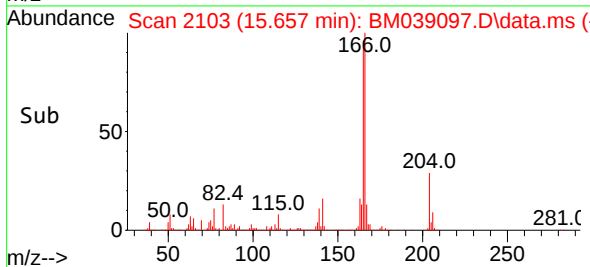
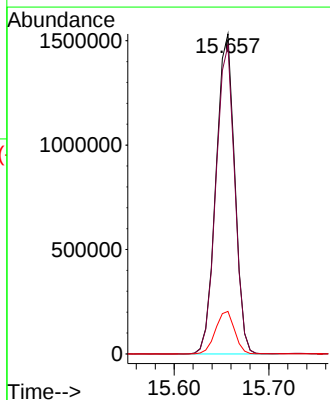
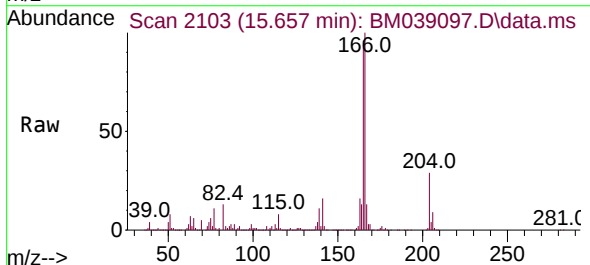
Manual Integrations
APPROVED

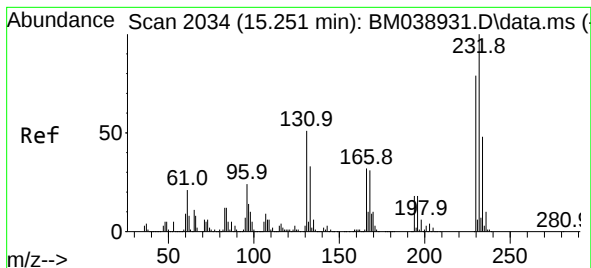
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#58
Fluorene
Concen: 46.534 ng
RT: 15.657 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

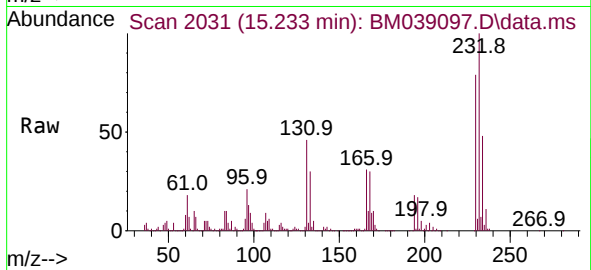
Tgt Ion:166 Resp: 2103151
Ion Ratio Lower Upper
166 100
165 96.4 77.1 115.7
167 13.3 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.330 ng
RT: 15.233 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

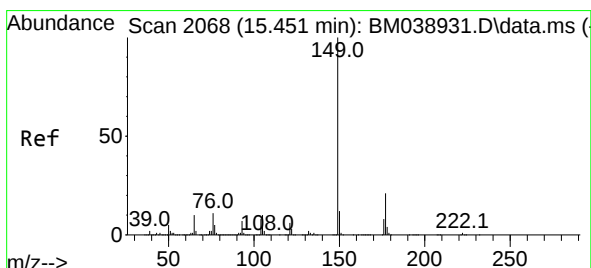
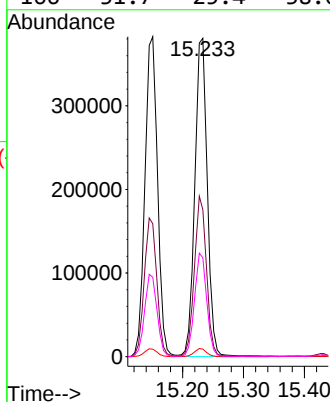
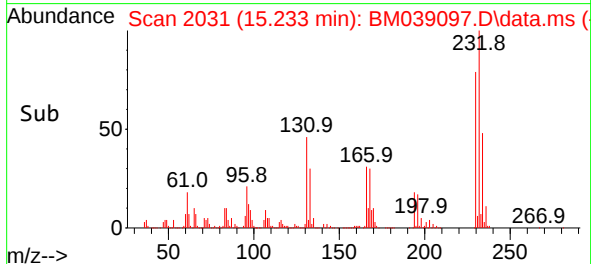
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



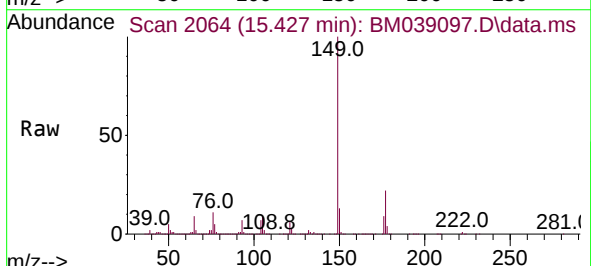
Tgt Ion:232 Resp: 541507
Ion Ratio Lower Upper
232 100
131 48.6 40.0 60.0
130 2.5 2.0 3.0
166 31.7 25.4 38.0

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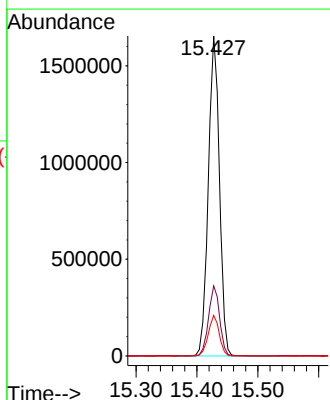
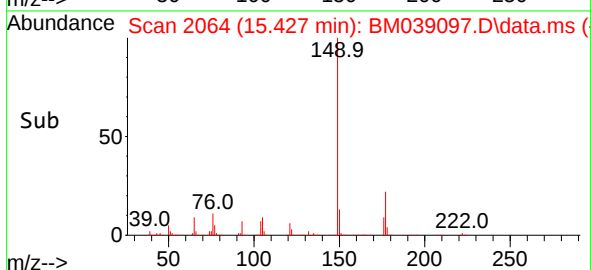
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

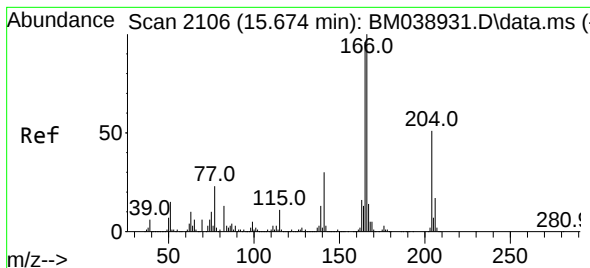


#60
Diethylphthalate
Concen: 47.431 ng
RT: 15.427 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10



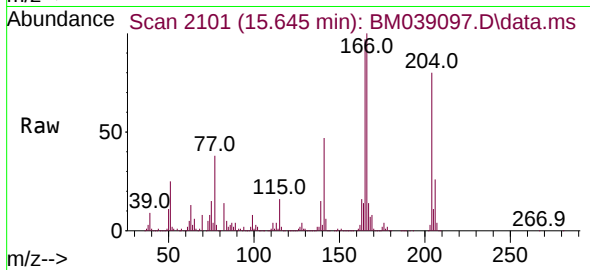
Tgt Ion:149 Resp: 2093798
Ion Ratio Lower Upper
149 100
177 21.9 17.1 25.7
150 12.6 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 46.253 ng
RT: 15.645 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

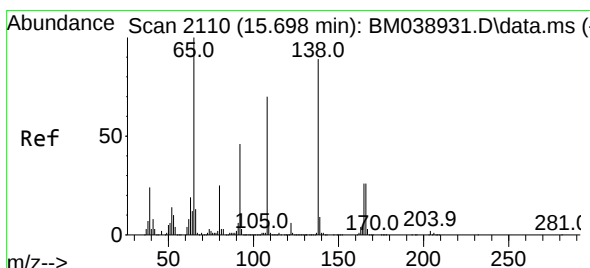
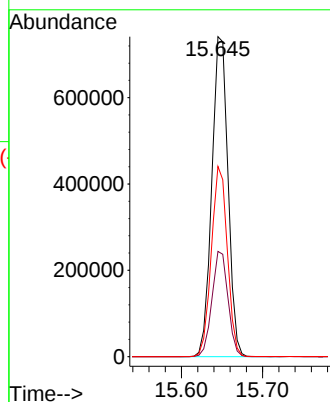
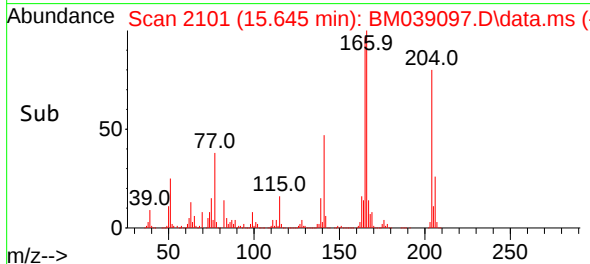
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion:204 Resp: 1026986
Ion Ratio Lower Upper
204 100
206 32.9 26.4 39.6
141 59.4 46.4 69.6

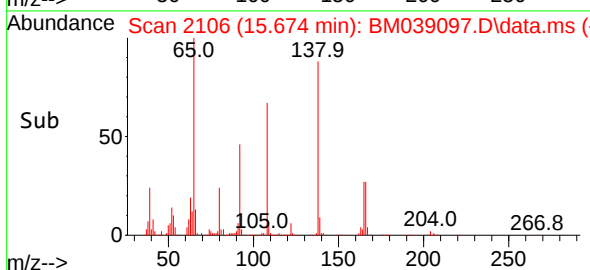
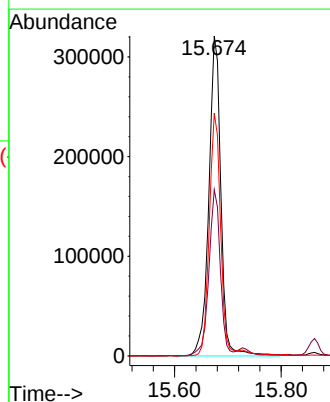
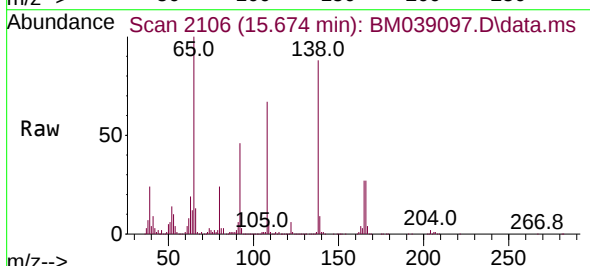
Manual Integrations
APPROVED

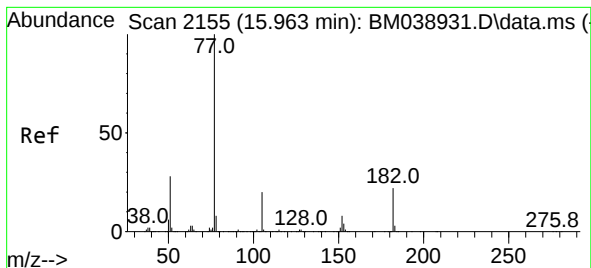
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#62
4-Nitroaniline
Concen: 42.472 ng
RT: 15.674 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

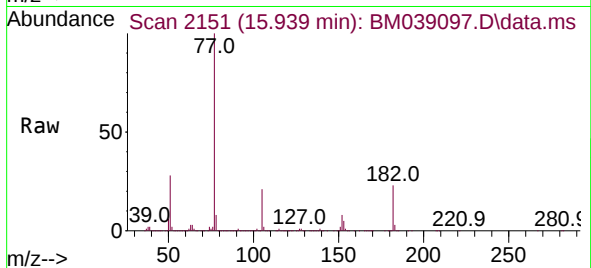
Tgt Ion:138 Resp: 504557
Ion Ratio Lower Upper
138 100
92 51.9 31.6 71.6
108 75.8 58.6 98.6





#63
Azobenzene
Concen: 46.420 ng
RT: 15.939 min Scan# 2151
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

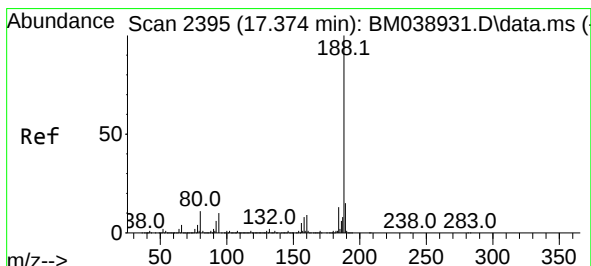
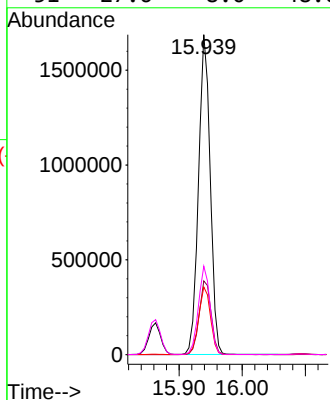
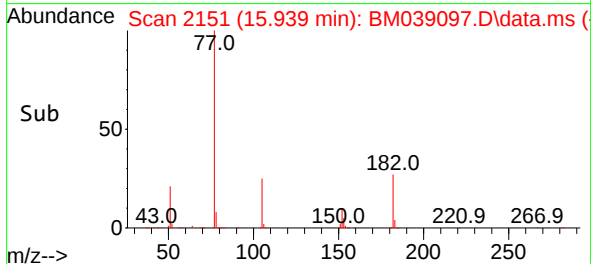
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion: 77 Resp: 2168250
Ion Ratio Lower Upper
77 100
182 23.0 2.0 42.0
105 21.1 0.4 40.4
51 27.6 8.0 48.0

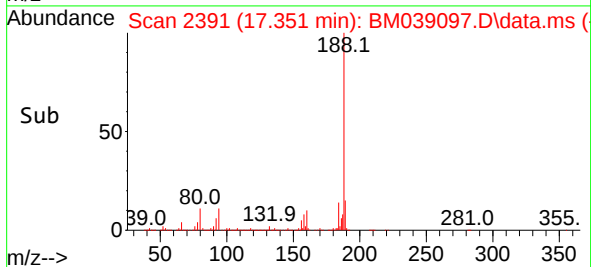
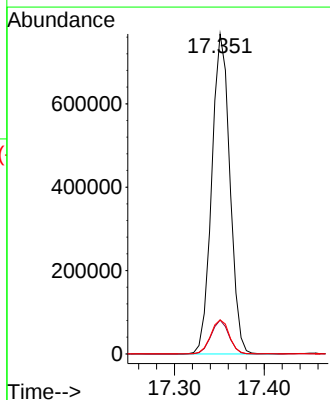
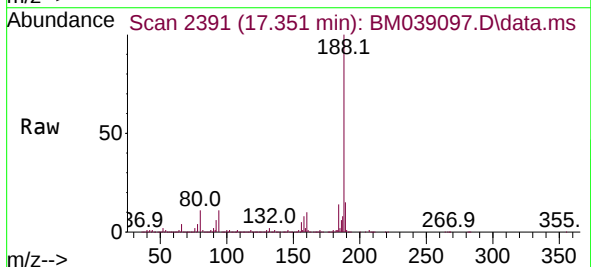
Manual Integrations
APPROVED

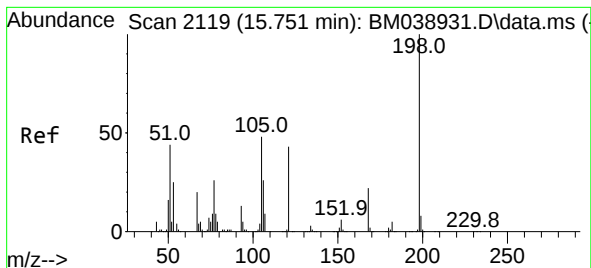
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2391
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

Tgt Ion:188 Resp: 1076492
Ion Ratio Lower Upper
188 100
94 10.6 7.9 11.9
80 10.6 8.5 12.7





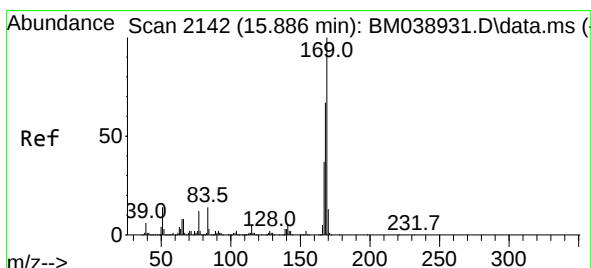
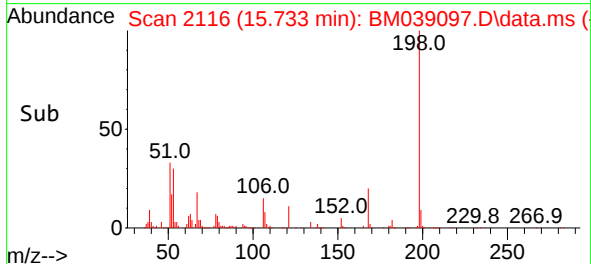
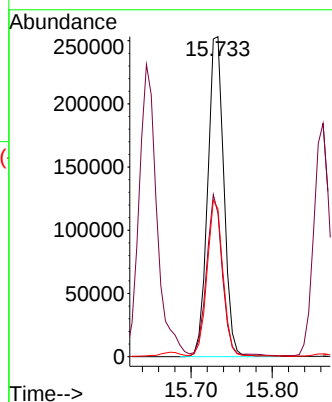
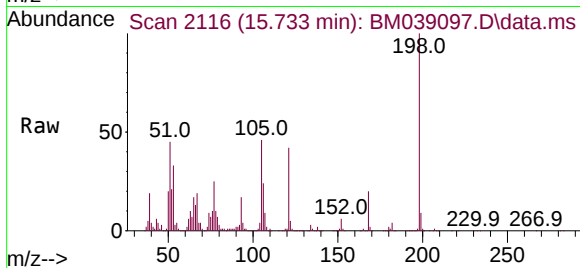
#65
4,6-Dinitro-2-methylphenol
Concen: 49.441 ng
RT: 15.733 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

Instrument :
BNA_M
ClientSampleId :
031023-3MSD

Tgt Ion:198 Resp: 350978
Ion Ratio Lower Upper
198 100
51 44.8 30.1 70.1
105 46.1 29.3 69.3

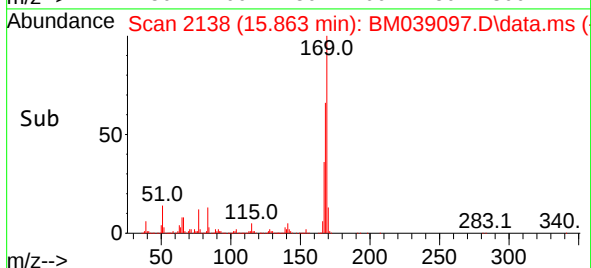
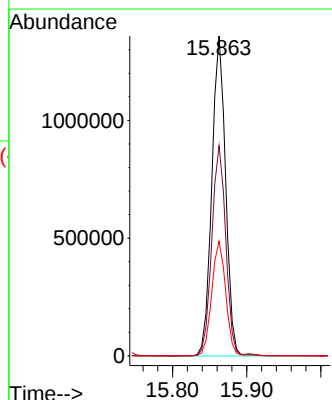
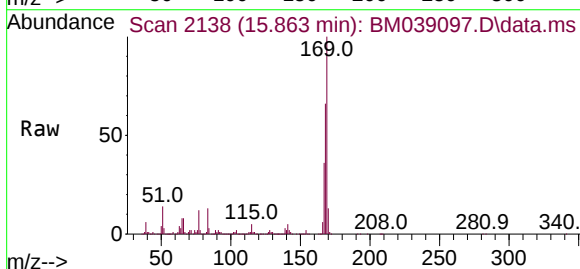
Manual Integrations
APPROVED

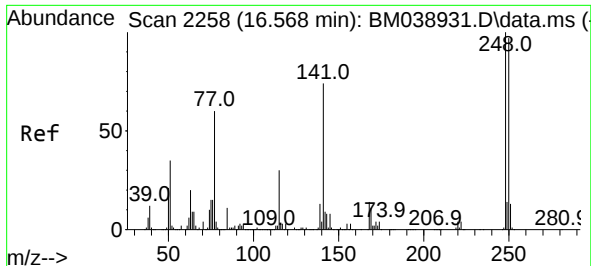
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#66
n-Nitrosodiphenylamine
Concen: 48.216 ng
RT: 15.863 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

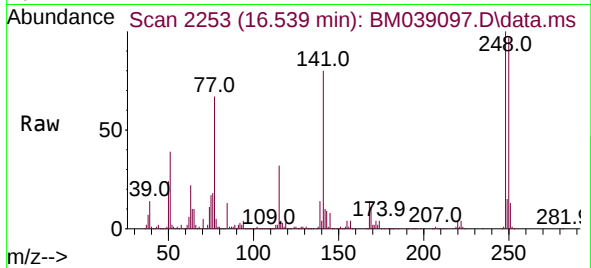
Tgt Ion:169 Resp: 1749806
Ion Ratio Lower Upper
169 100
168 65.7 53.4 80.0
167 35.8 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 50.296 ng
RT: 16.539 min Scan# 2253
Delta R.T. -0.006 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

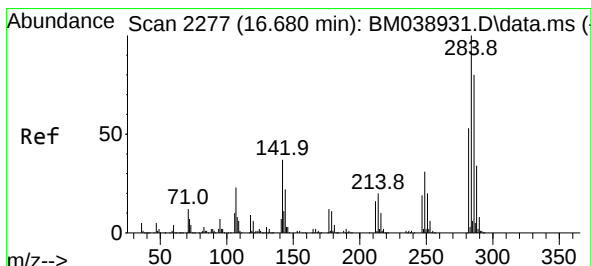
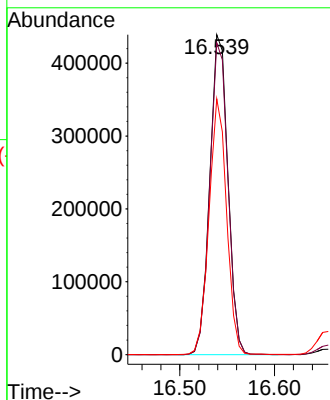
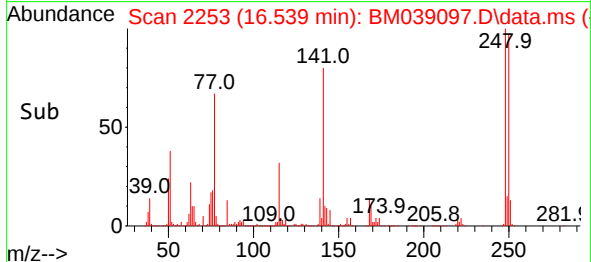
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



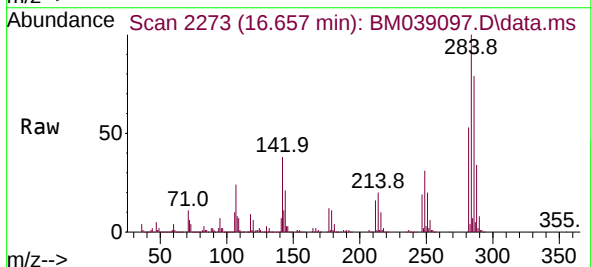
Tgt Ion:248 Resp: 584803
Ion Ratio Lower Upper
248 100
250 97.4 77.8 116.8
141 80.0 59.0 88.4

Manual Integrations
APPROVED

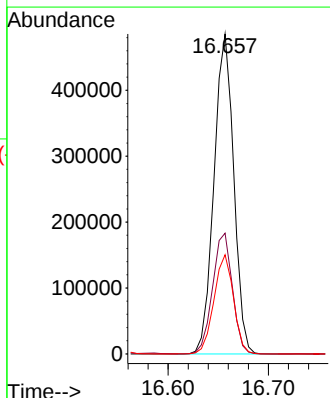
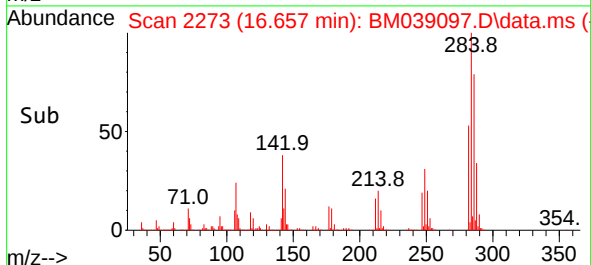
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

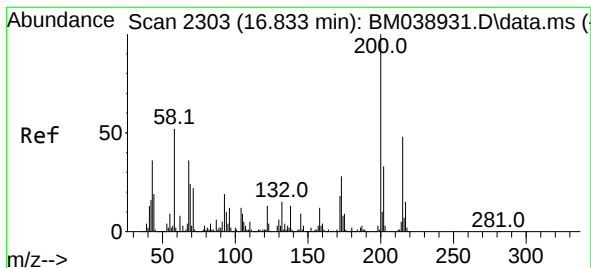


#68
Hexachlorobenzene
Concen: 50.945 ng
RT: 16.657 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10



Tgt Ion:284 Resp: 662188
Ion Ratio Lower Upper
284 100
142 37.7 29.5 44.3
249 31.0 25.0 37.4





#69

Atrazine

Concen: 51.699 ng

RT: 16.816 min Scan# 2300

Delta R.T. 0.000 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

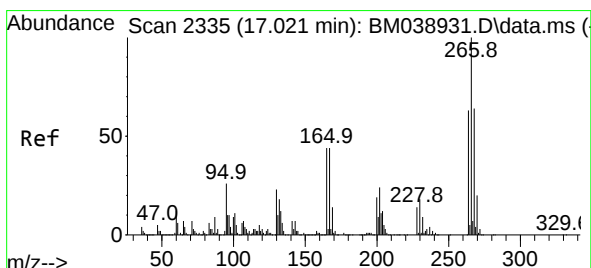
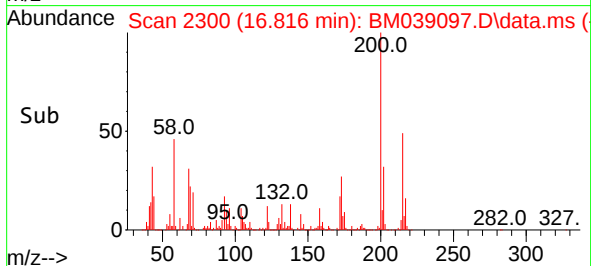
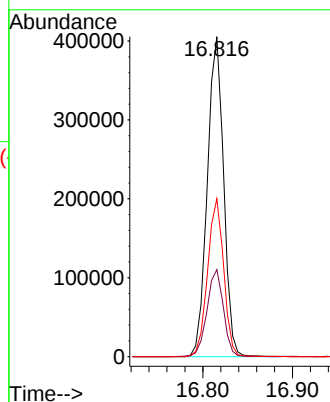
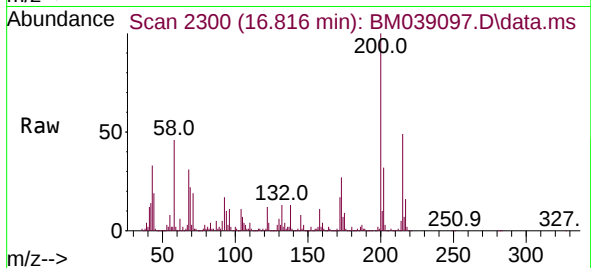
031023-3MSD

Tgt Ion:200 Resp: 512476
 Ion Ratio Lower Upper
 200 100
 173 27.2 8.2 48.2
 215 49.3 27.8 67.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/23/2023
 Supervised By :Jagrut Upadhyay 03/23/2023



#70

Pentachlorophenol

Concen: 90.919 ng

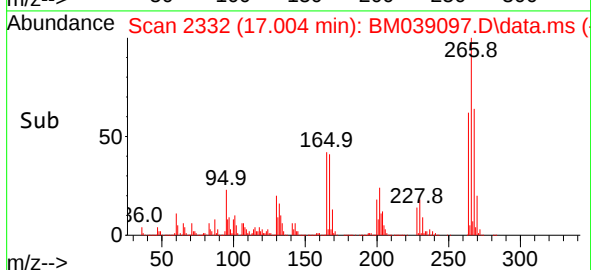
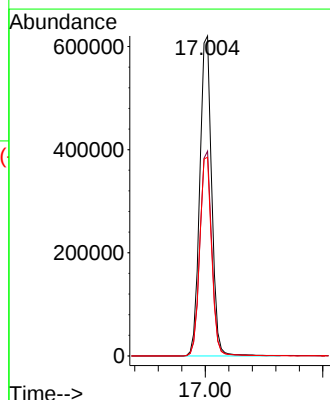
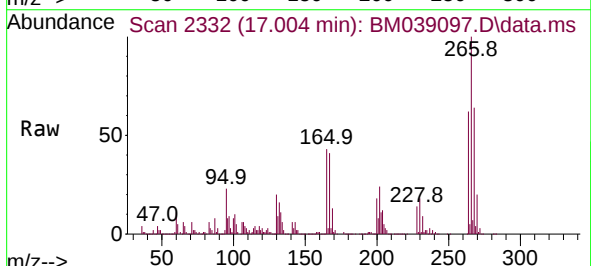
RT: 17.004 min Scan# 2332

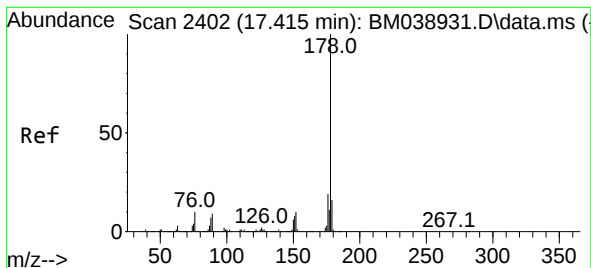
Delta R.T. 0.006 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

Tgt Ion:266 Resp: 869201
 Ion Ratio Lower Upper
 266 100
 268 64.0 51.0 76.4
 264 62.1 50.3 75.5





#71

Phenanthrene

Concen: 47.801 ng

RT: 17.398 min Scan# 2402

Delta R.T. 0.006 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

031023-3MSD

Tgt Ion:178 Resp: 3020093

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

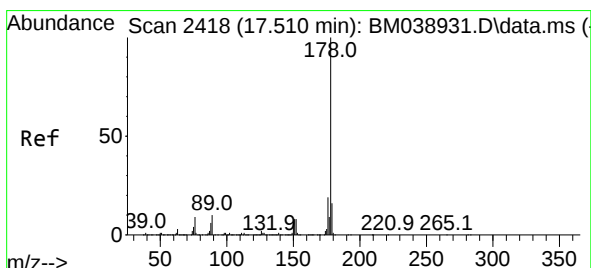
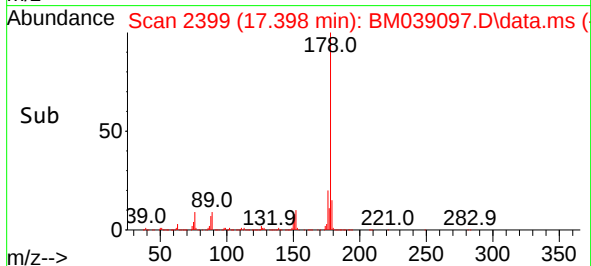
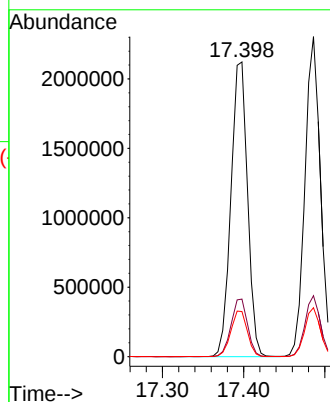
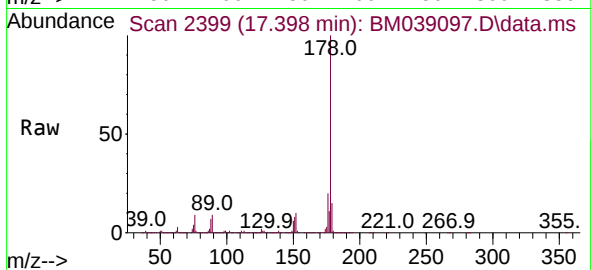
179 15.3 12.5 18.7

Manual Integrations

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Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#72

Anthracene

Concen: 48.483 ng

RT: 17.486 min Scan# 2414

Delta R.T. 0.000 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

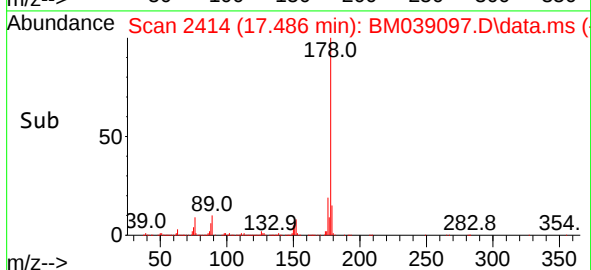
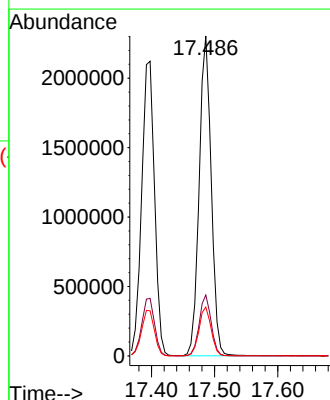
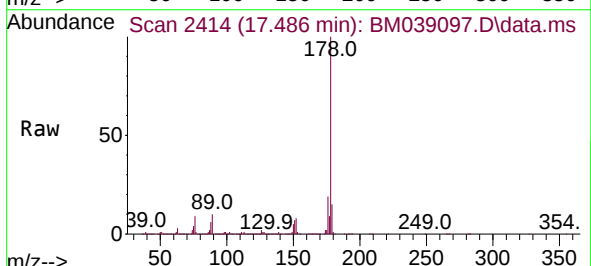
Tgt Ion:178 Resp: 3054758

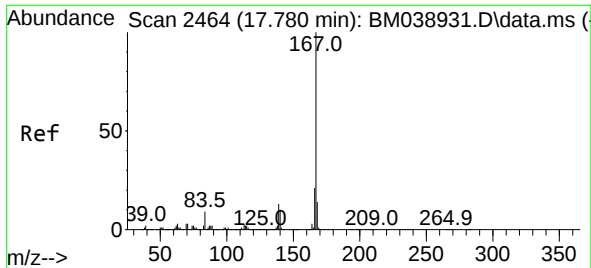
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

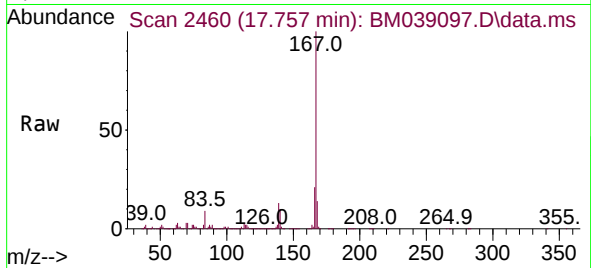
179 15.3 12.5 18.7





#73
 Carbazole
 Concen: 49.278 ng
 RT: 17.757 min Scan# 2460
 Delta R.T. 0.000 min
 Lab File: BM039097.D
 Acq: 22 Mar 2023 18:10

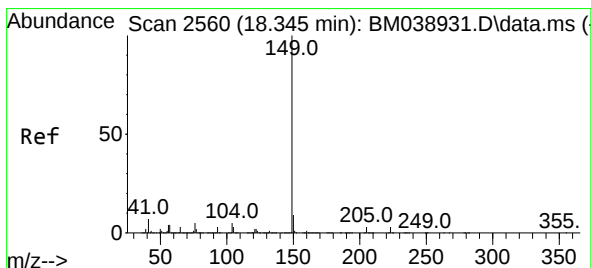
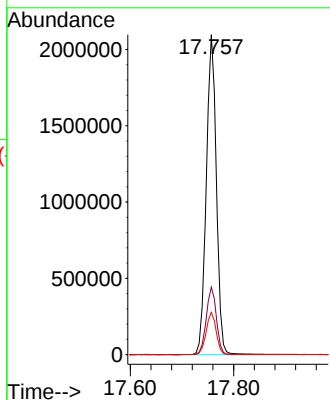
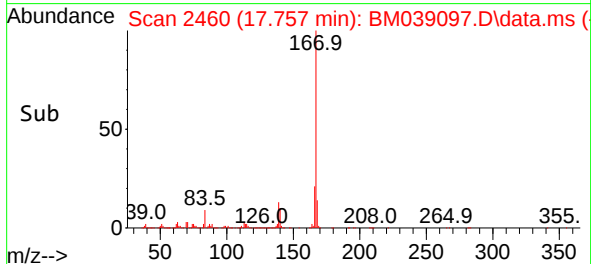
Instrument :
 BNA_M
 ClientSampleId :
 031023-3MSD



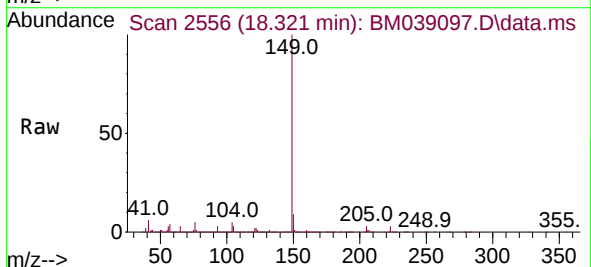
Tgt Ion:167 Resp: 2833630
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.4
 139 13.2 10.3 15.5

Manual Integrations
 APPROVED

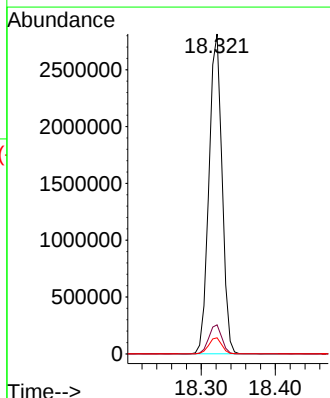
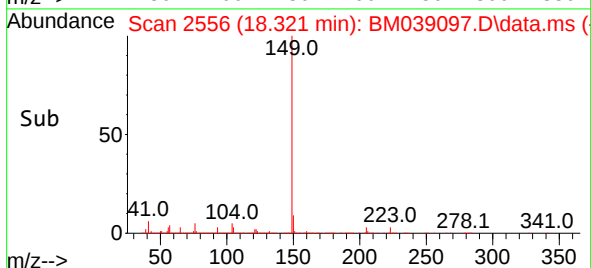
Reviewed By :Christian Giraldo 03/23/2023
 Supervised By :Jagrut Upadhyay 03/23/2023

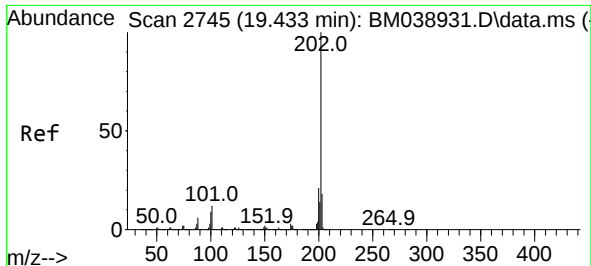


#74
 Di-n-butylphthalate
 Concen: 49.062 ng
 RT: 18.321 min Scan# 2556
 Delta R.T. 0.000 min
 Lab File: BM039097.D
 Acq: 22 Mar 2023 18:10



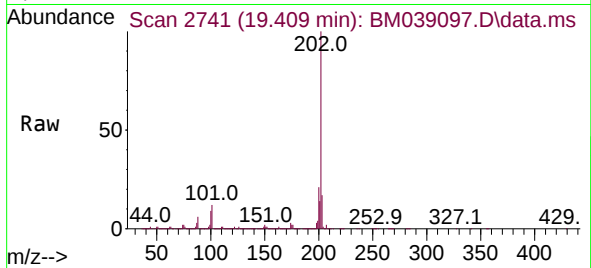
Tgt Ion:149 Resp: 3443901
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 5.0 4.3 6.5





#75
Fluoranthene
Concen: 48.021 ng
RT: 19.409 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

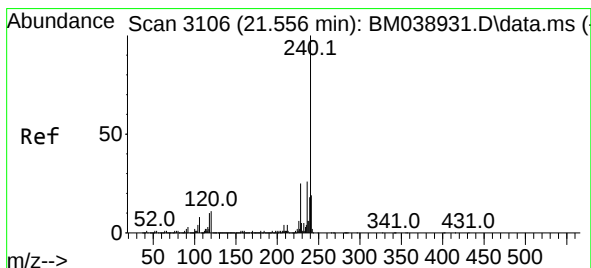
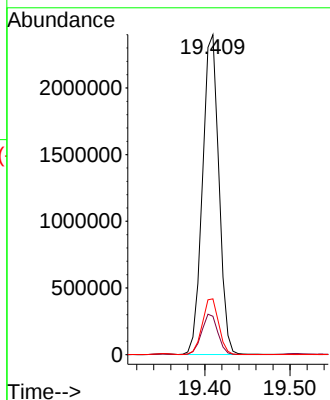
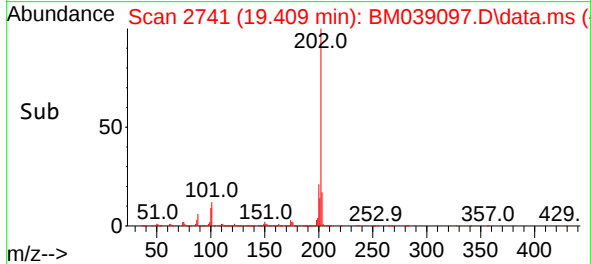
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion:202 Resp: 3203402
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.7
203 17.4 0.0 37.6

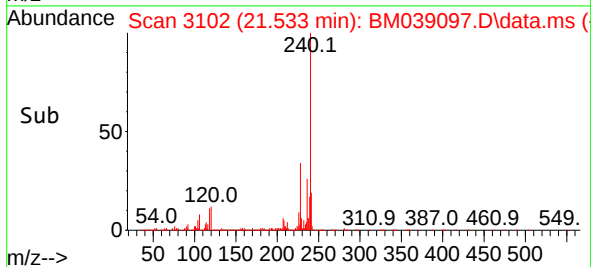
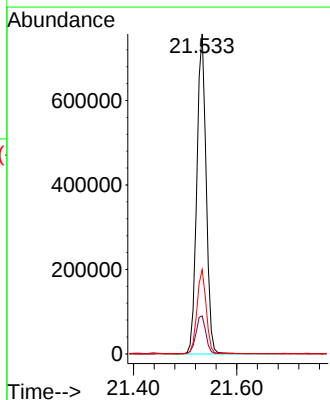
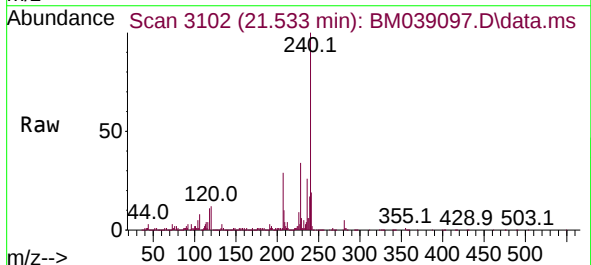
Manual Integrations
APPROVED

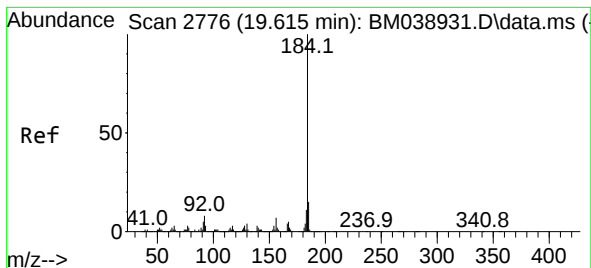
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.533 min Scan# 3102
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

Tgt Ion:240 Resp: 948154
Ion Ratio Lower Upper
240 100
120 11.9 9.2 13.8
236 26.3 20.8 31.2





#77

Benzidine

Concen: 37.496 ng

RT: 19.592 min Scan# 2776

Delta R.T. 0.000 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

031023-3MSD

Tgt Ion:184 Resp: 784710

Ion Ratio Lower Upper

184 100

185 14.4 12.2 18.4

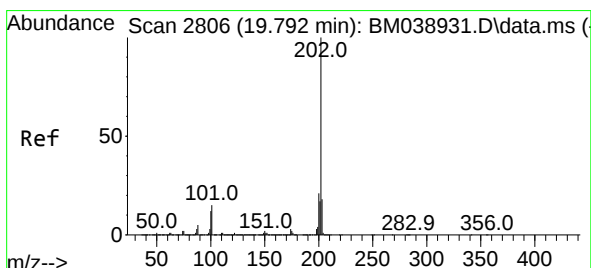
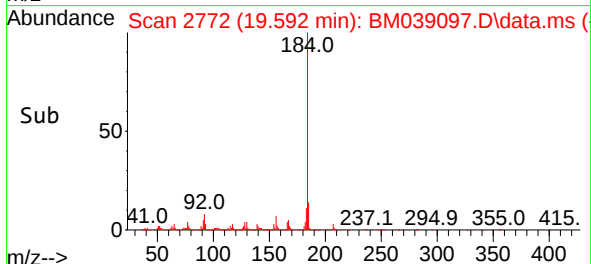
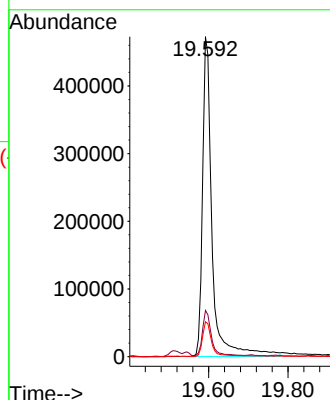
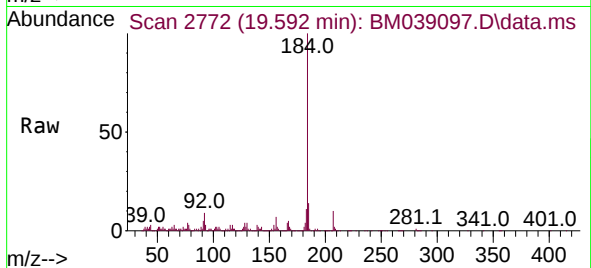
183 10.9 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#78

Pyrene

Concen: 47.878 ng

RT: 19.768 min Scan# 2802

Delta R.T. 0.000 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

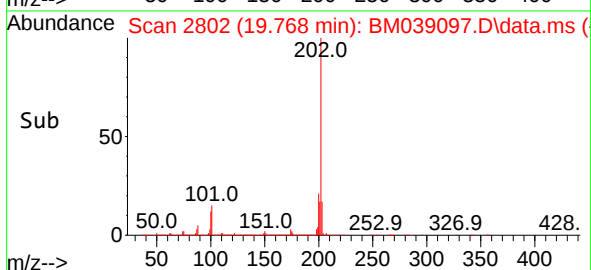
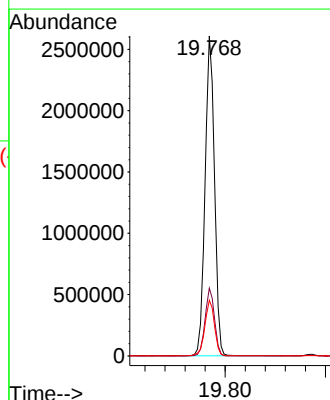
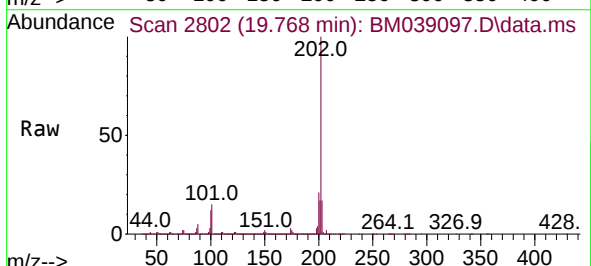
Tgt Ion:202 Resp: 3409576

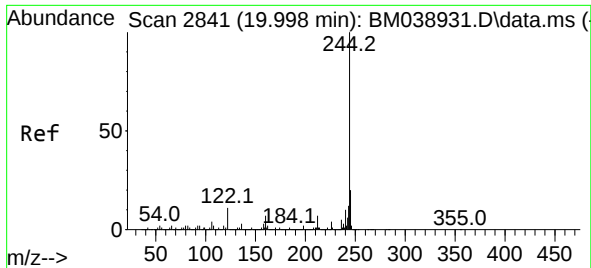
Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 17.4 14.1 21.1





#79
 Terphenyl-d14
 Concen: 93.195 ng
 RT: 19.974 min Scan# 2841
 Delta R.T. 0.006 min
 Lab File: BM039097.D
 Acq: 22 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

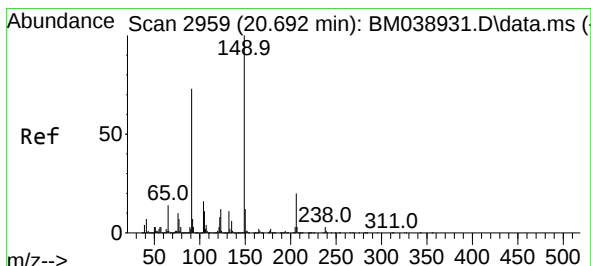
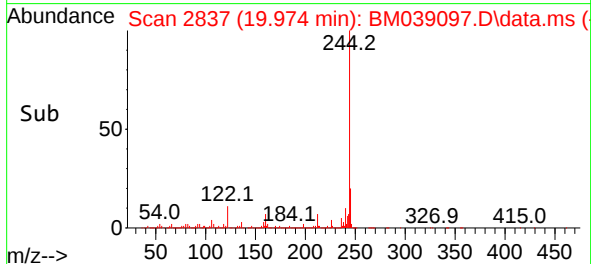
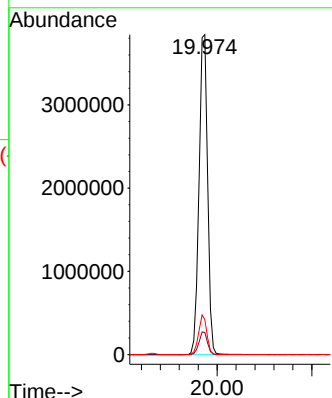
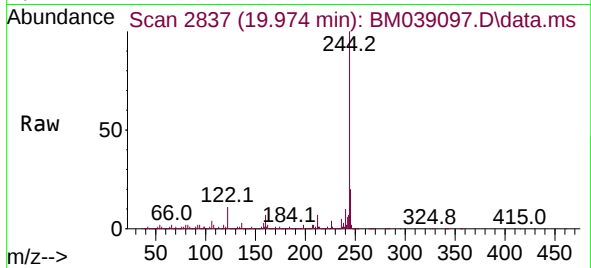
031023-3MSD

Tgt Ion:244 Resp: 4833005
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 10.9 9.0 13.4

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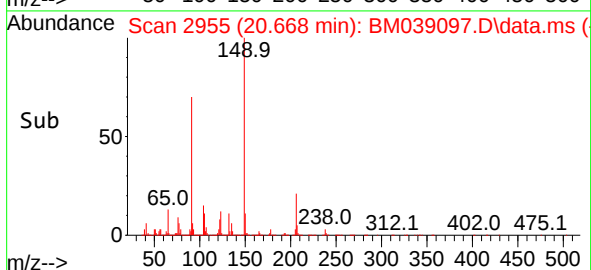
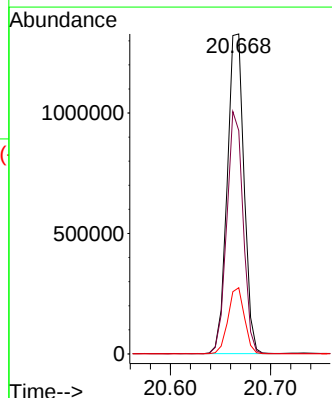
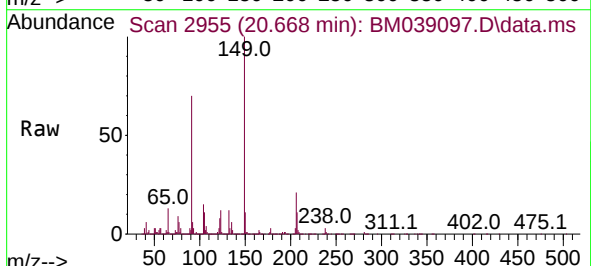
APPROVED

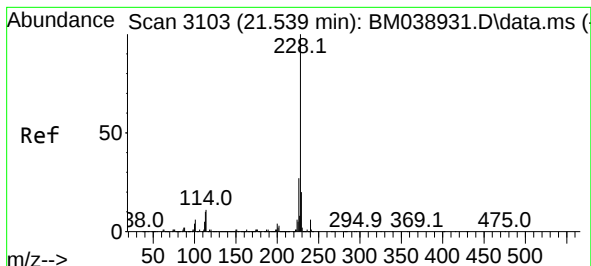
Reviewed By :Christian Giraldo 03/23/2023
 Supervised By :Jagrut Upadhyay 03/23/2023



#80
 Butylbenzylphthalate
 Concen: 50.941 ng
 RT: 20.668 min Scan# 2955
 Delta R.T. 0.006 min
 Lab File: BM039097.D
 Acq: 22 Mar 2023 18:10

Tgt Ion:149 Resp: 1549136
 Ion Ratio Lower Upper
 149 100
 91 69.8 58.4 87.6
 206 20.7 16.1 24.1





#81

Benzo(a)anthracene

Concen: 49.161 ng

RT: 21.515 min Scan# 3088

Delta R.T. 0.000 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

031023-3MSD

Tgt Ion:228 Resp: 3356794

Ion Ratio Lower Upper

228 100

226 26.8 21.4 32.2

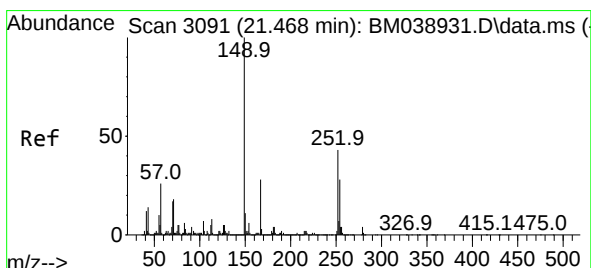
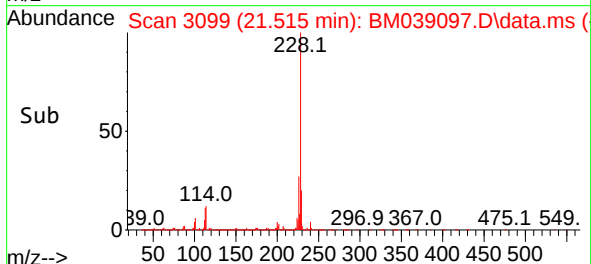
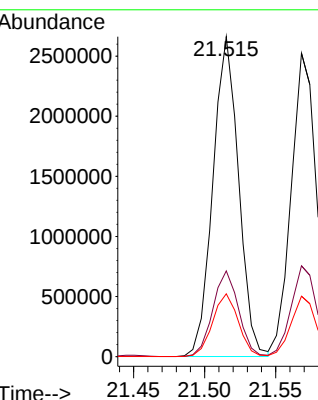
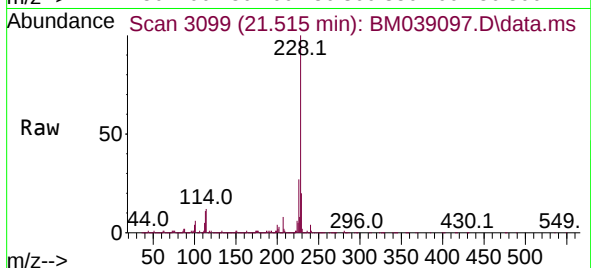
229 19.6 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#82

3,3'-Dichlorobenzidine

Concen: 42.064 ng

RT: 21.451 min Scan# 3088

Delta R.T. 0.006 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

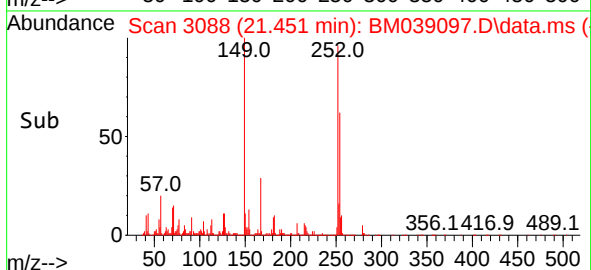
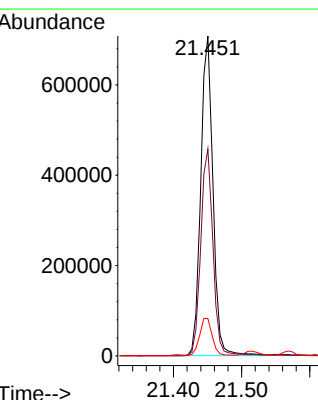
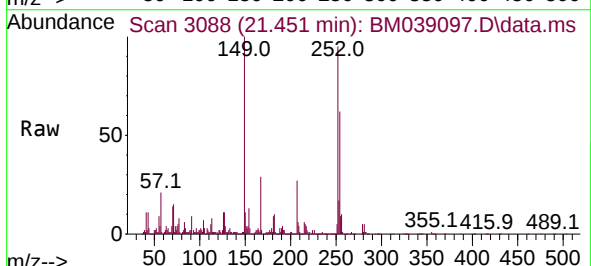
Tgt Ion:252 Resp: 882726

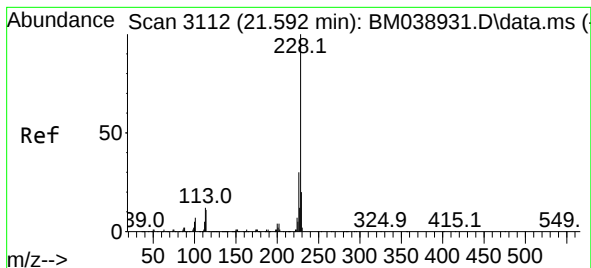
Ion Ratio Lower Upper

252 100

254 64.7 51.5 77.3

126 11.7 9.9 14.9





#83

Chrysene

Concen: 47.329 ng

RT: 21.568 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BM039097.D

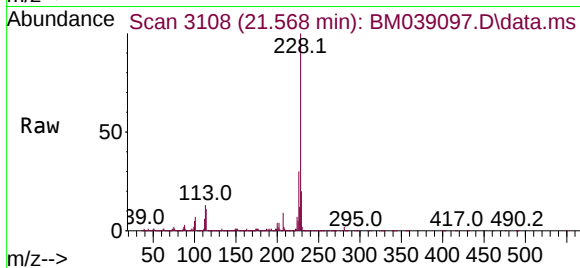
Acq: 22 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

031023-3MSD



Tgt Ion:228 Resp: 3143093

Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

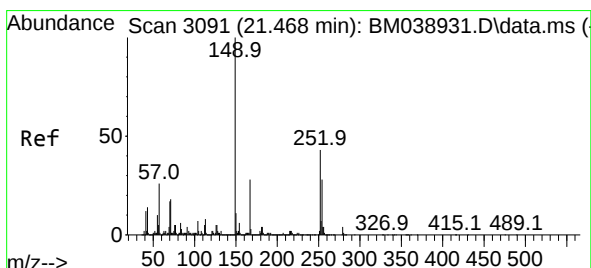
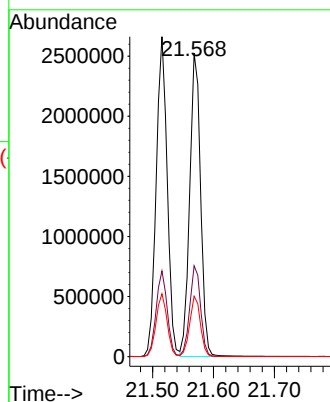
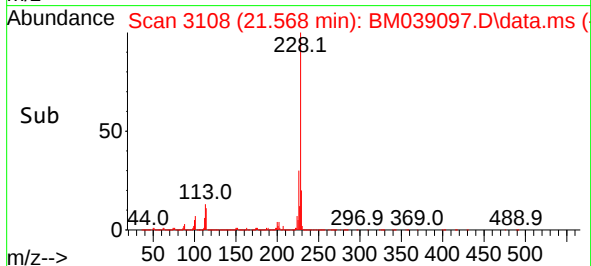
229 19.9 16.0 24.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.427 ng

RT: 21.439 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

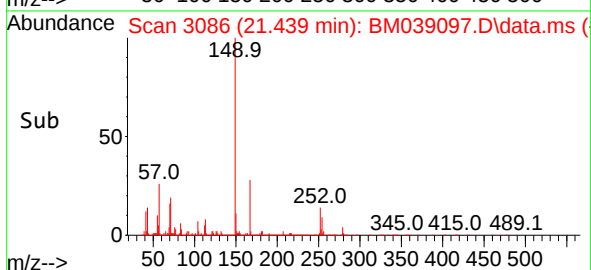
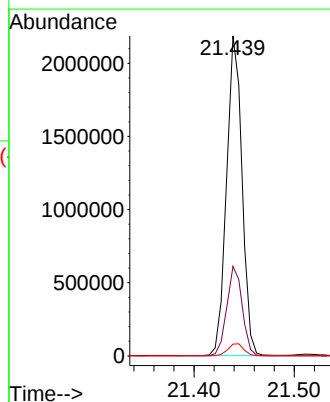
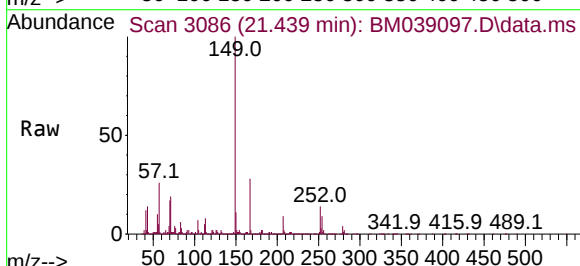
Tgt Ion:149 Resp: 2352068

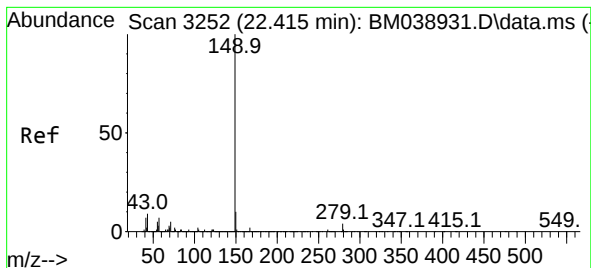
Ion Ratio Lower Upper

149 100

167 28.0 22.3 33.5

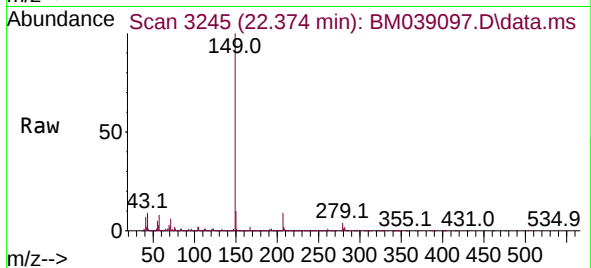
279 3.7 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 55.862 ng
RT: 22.374 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

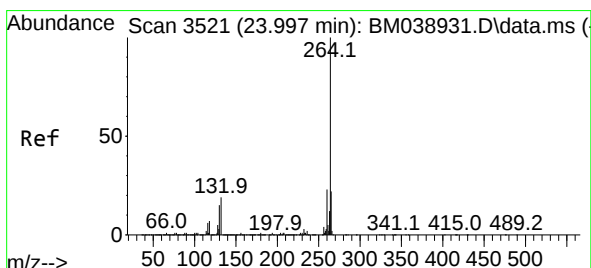
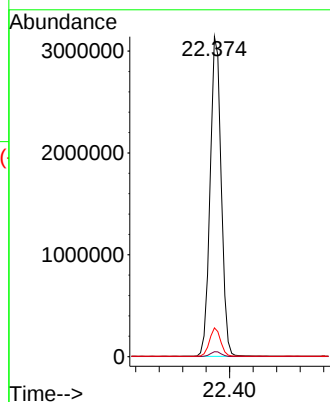
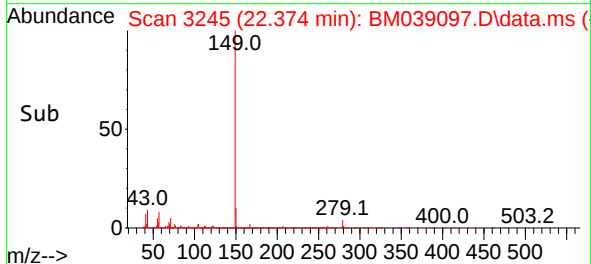
Instrument :
BNA_M
ClientSampleId :
031023-3MSD



Tgt Ion:149 Resp: 4107729
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 8.9 7.4 11.2

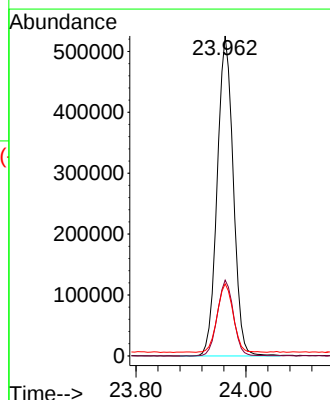
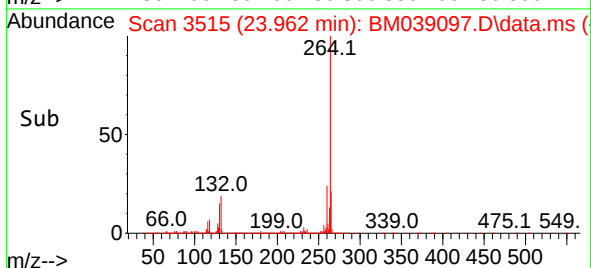
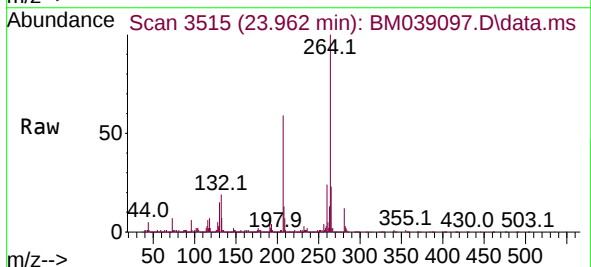
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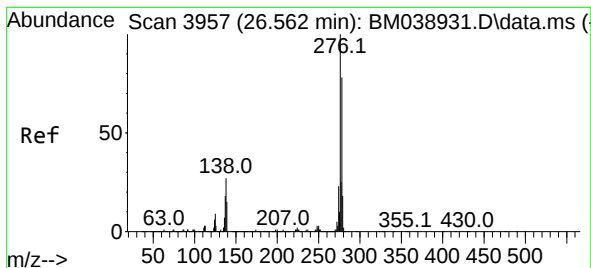
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.962 min Scan# 3515
Delta R.T. 0.000 min
Lab File: BM039097.D
Acq: 22 Mar 2023 18:10

Tgt Ion:264 Resp: 1063042
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 22.5 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 53.306 ng

RT: 26.497 min Scan# 3957

Delta R.T. 0.000 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

031023-3MSD

Tgt Ion:276 Resp: 4311934

Ion Ratio Lower Upper

276 100

138 28.1 22.1 33.1

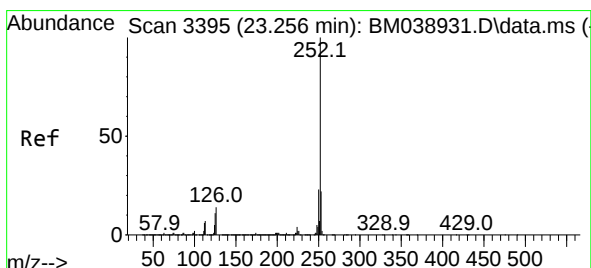
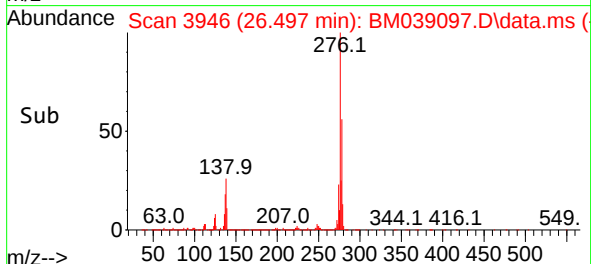
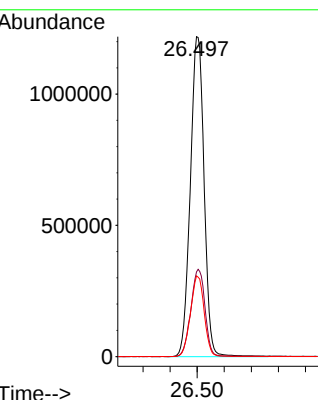
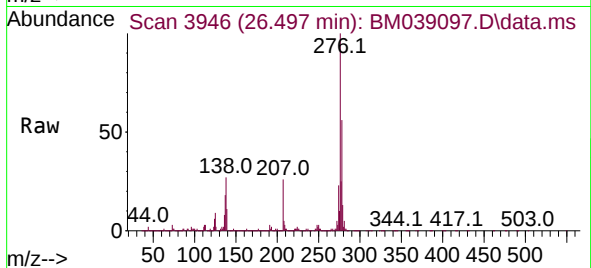
277 25.1 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#88

Benzo(b)fluoranthene

Concen: 51.623 ng

RT: 23.221 min Scan# 3389

Delta R.T. 0.000 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

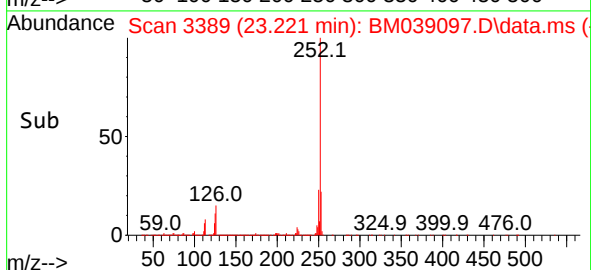
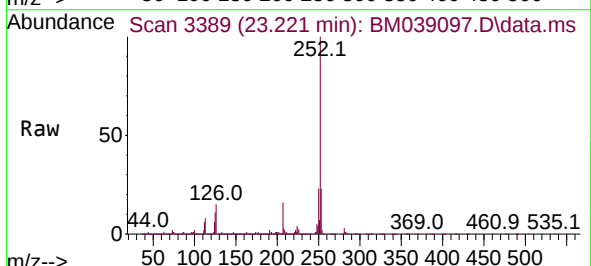
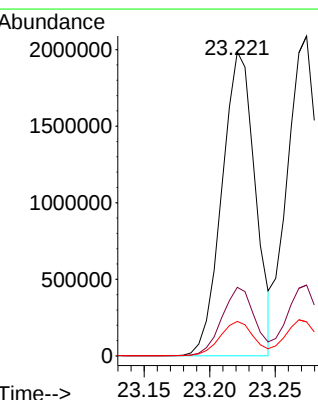
Tgt Ion:252 Resp: 3505923

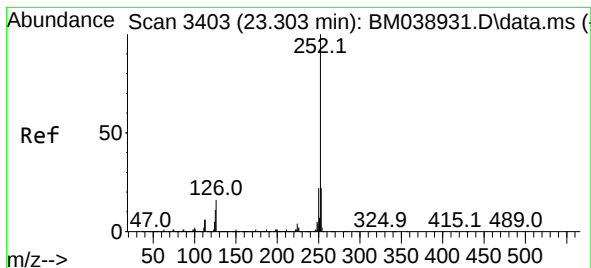
Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 11.3 8.8 13.2





#89

Benzo(k)fluoranthene

Concen: 50.362 ng

RT: 23.274 min Scan# 3403

Delta R.T. 0.006 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

031023-3MSD

Tgt Ion:252 Resp: 355953

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

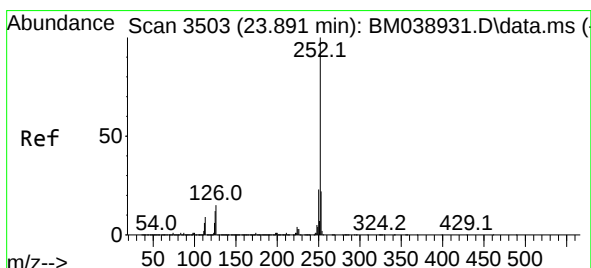
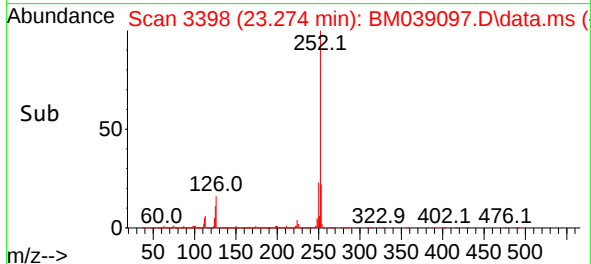
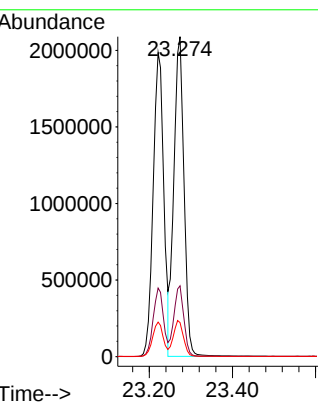
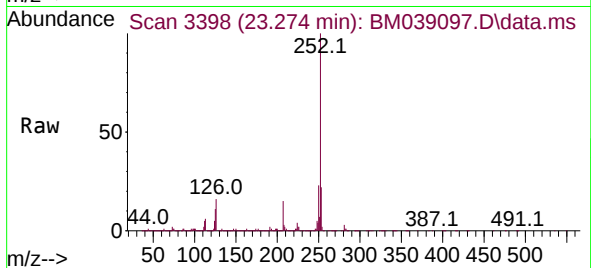
125 10.6 8.9 13.3

Manual Integrations

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Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#90

Benzo(a)pyrene

Concen: 47.725 ng

RT: 23.856 min Scan# 3497

Delta R.T. 0.000 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

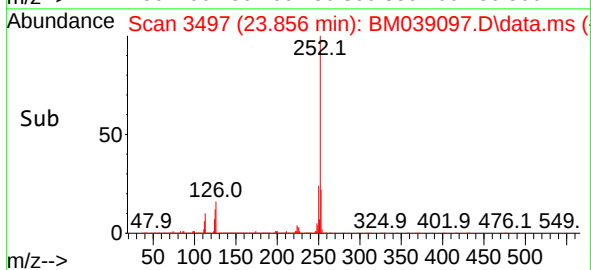
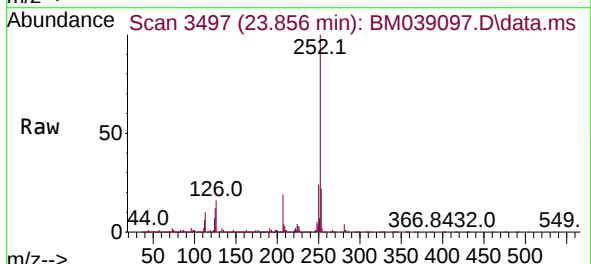
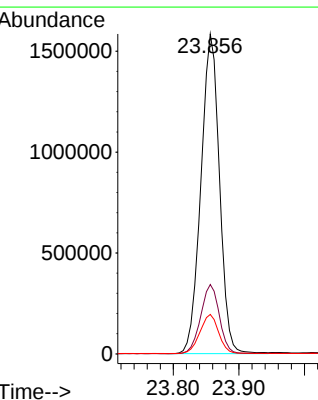
Tgt Ion:252 Resp: 3119375

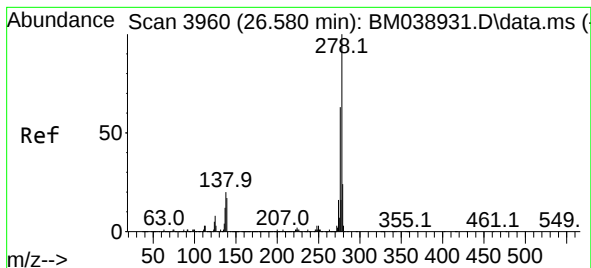
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 12.3 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 53.037 ng

RT: 26.521 min Scan# 39

Delta R.T. 0.012 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

031023-3MSD

Tgt Ion:278 Resp: 363324

Ion Ratio Lower Upper

278 100

139 17.5 13.7 20.5

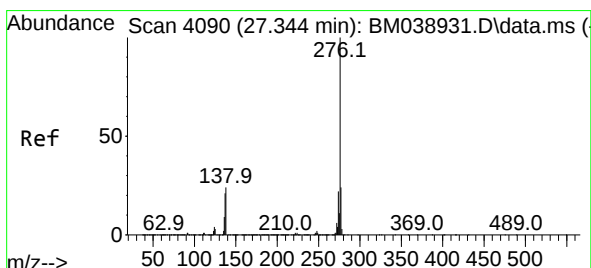
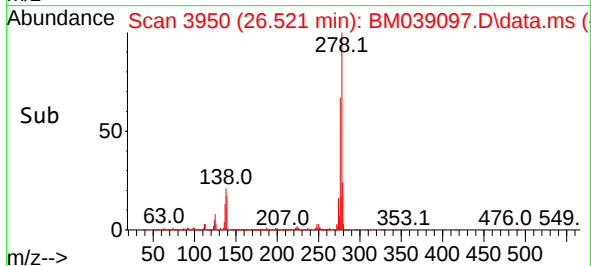
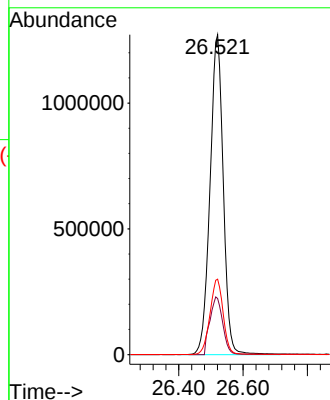
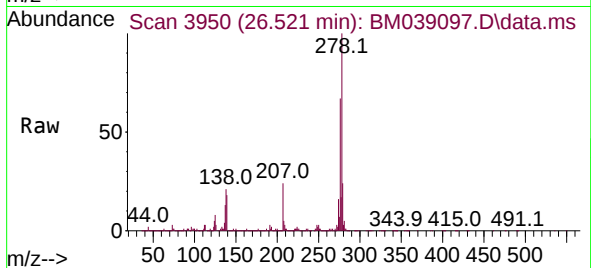
279 23.6 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#92

Benzo(g,h,i)perylene

Concen: 52.757 ng

RT: 27.280 min Scan# 4079

Delta R.T. 0.006 min

Lab File: BM039097.D

Acq: 22 Mar 2023 18:10

Tgt Ion:276 Resp: 3535853

Ion Ratio Lower Upper

276 100

277 24.0 19.3 28.9

138 24.7 19.0 28.6

