

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032123\
 Data File : BM039076.D
 Acq On : 21 Mar 2023 19:36
 Operator : CG/JU
 Sample : 02001-07MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IRV-3MS

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/22/2023
 Supervised By : Jagrut Upadhyay 03/22/2023

Quant Time: Mar 22 03:43:21 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	391880	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	1582547	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	852624	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1510148	20.000	ng	0.00
76) Chrysene-d12	21.533	240	1138890	20.000	ng	0.00
86) Perylene-d12	23.962	264	1412112	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	3168933	122.857	ng	0.00
7) Phenol-d6	7.134	99	4014258	119.817	ng	0.00
23) Nitrobenzene-d5	9.139	82	2432579	75.505	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	1106126	112.143	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	4593405	70.133	ng	0.00
79) Terphenyl-d14	19.968	244	4674527	75.043	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.393	88	437302	38.109	ng	99
3) Pyridine	3.799	79	1115906	35.064	ng	99
4) n-Nitrosodimethylamine	3.704	42	542888	41.921	ng	96
6) Aniline	7.292	93	1715573	38.999	ng	100
8) 2-Chlorophenol	7.528	128	1356184	49.387	ng	99
9) Benzaldehyde	7.104	77	957408	60.052	ng	97
10) Phenol	7.163	94	1745995	49.074	ng	97
11) bis(2-Chloroethyl)ether	7.392	93	1372340	47.442	ng	98
12) 1,3-Dichlorobenzene	7.857	146	1418008	48.590	ng	99
13) 1,4-Dichlorobenzene	8.004	146	1451923	48.919	ng	99
14) 1,2-Dichlorobenzene	8.322	146	1390911	48.651	ng	100
15) Benzyl Alcohol	8.210	79	1164718m	48.502	ng	
16) 2,2'-oxybis(1-Chloropr...	8.504	45	1795421	49.146	ng	100
17) 2-Methylphenol	8.416	107	1116939	45.700	ng	99
18) Hexachloroethane	9.057	117	555629	50.740	ng	96
19) n-Nitroso-di-n-propyla...	8.786	70	1024583	48.552	ng	99
20) 3+4-Methylphenols	8.745	107	1499882	45.961	ng	98
22) Acetophenone	8.798	105	2029233	45.703	ng	99
24) Nitrobenzene	9.181	77	1489364	43.983	ng	98
25) Isophorone	9.710	82	2746924	46.333	ng	100
26) 2-Nitrophenol	9.892	139	703708	47.123	ng	96
27) 2,4-Dimethylphenol	9.951	122	1244456	48.174	ng	99
28) bis(2-Chloroethoxy)met...	10.192	93	1777839	46.670	ng	100
29) 2,4-Dichlorophenol	10.428	162	1175290	47.988	ng	99
30) 1,2,4-Trichlorobenzene	10.645	180	1245763	46.547	ng	100
31) Naphthalene	10.833	128	4003652	44.367	ng	100
32) Benzoic acid	10.098	122	891048	47.130	ng	99
33) 4-Chloroaniline	10.945	127	783781	20.381	ng	100
34) Hexachlorobutadiene	11.116	225	717812	46.770	ng	99
35) Caprolactam	11.739	113	335830	45.053	ng	98
36) 4-Chloro-3-methylphenol	12.063	107	1201987	46.089	ng	99
37) 2-Methylnaphthalene	12.439	142	2640969	43.665	ng	99
38) 1-Methylnaphthalene	12.657	142	2450271	43.229	ng	100
40) 1,2,4,5-Tetrachloroben...	12.804	216	1313689	47.394	ng	99
41) Hexachlorocyclopentadiene	12.786	237	1457226	95.777	ng	99
43) 2,4,6-Trichlorophenol	13.045	196	867881	48.352	ng	99

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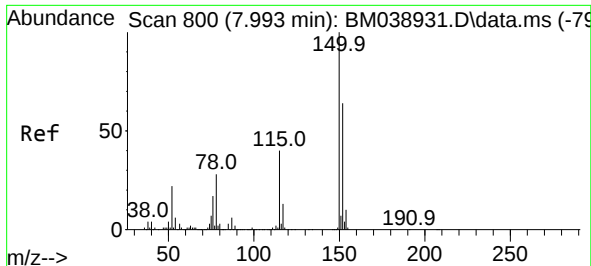
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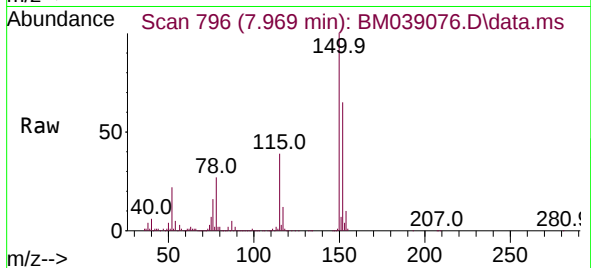
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	916127	43.605	ng	97
46) 1,1'-Biphenyl	13.445	154	3403542	47.119	ng	100
47) 2-Chloronaphthalene	13.486	162	2545014	46.725	ng	100
48) 2-Nitroaniline	13.692	65	746793	43.062	ng	96
49) Acenaphthylene	14.333	152	4142623	47.748	ng	99
50) Dimethylphthalate	14.068	163	2919404	44.497	ng	99
51) 2,6-Dinitrotoluene	14.186	165	636595	43.997	ng	99
52) Acenaphthene	14.674	154	2384375	44.719	ng	100
53) 3-Nitroaniline	14.516	138	499501	30.063	ng	96
54) 2,4-Dinitrophenol	14.721	184	786353	93.363	ng	91
55) Dibenzofuran	15.010	168	3616274	43.341	ng	100
56) 4-Nitrophenol	14.821	139	1151211	88.350	ng	98
57) 2,4-Dinitrotoluene	14.968	165	820465	43.185	ng	99
58) Fluorene	15.657	166	2865196	43.838	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.233	232	740238	45.685	ng	99
60) Diethylphthalate	15.427	149	2929816	45.895	ng	99
61) 4-Chlorophenyl-phenyle...	15.651	204	1424084	44.352	ng	99
62) 4-Nitroaniline	15.680	138	655857	38.353	ng	97
63) Azobenzene	15.939	77	3297746	48.821	ng	99
65) 4,6-Dinitro-2-methylph...	15.733	198	460657	46.585	ng	95
66) n-Nitrosodiphenylamine	15.863	169	2412751	47.392	ng	100
67) 4-Bromophenyl-phenylether	16.545	248	811924	49.777	ng	99
68) Hexachlorobenzene	16.657	284	888717	48.739	ng	100
69) Atrazine	16.815	200	740016	53.216	ng	99
70) Pentachlorophenol	17.004	266	1121912	83.654	ng	100
71) Phenanthrene	17.398	178	4449777	50.205	ng	100
72) Anthracene	17.486	178	4224056	47.790	ng	100
73) Carbazole	17.756	167	3609178	44.741	ng	100
74) Di-n-butylphthalate	18.321	149	4756904	48.334	ng	99
75) Fluoranthene	19.409	202	5754018	61.487	ng	99
77) Benzidine	19.592	184	1569843	59.204	ng	99
78) Pyrene	19.774	202	5899877	68.972	ng	99
80) Butylbenzylphthalate	20.668	149	1873927	51.278	ng	98
81) Benzo(a)anthracene	21.515	228	5027400	61.297	ng	98
82) 3,3'-Dichlorobenzidine	21.450	252	1218738	48.349	ng	99
83) Chrysene	21.574	228	4558068	57.141	ng	100
84) Bis(2-ethylhexyl)phtha...	21.439	149	2817674	53.290	ng	99
85) Di-n-octyl phthalate	22.380	149	4800897	54.457	ng	99
87) Indeno(1,2,3-cd)pyrene	26.503	276	6069049	56.482	ng	99
88) Benzo(b)fluoranthene	23.227	252	5533014	61.331	ng	99
89) Benzo(k)fluoranthene	23.274	252	4700461	50.065	ng	99
90) Benzo(a)pyrene	23.862	252	4995357	57.534	ng	100
91) Dibenzo(a,h)anthracene	26.521	278	4535961	49.847	ng	99
92) Benzo(g,h,i)perylene	27.285	276	5081613	57.078	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: BM039076.D
Acq: 21 Mar 2023 19:36

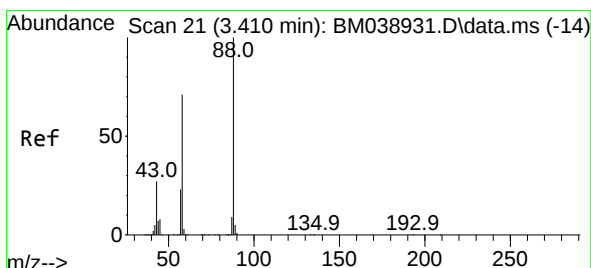
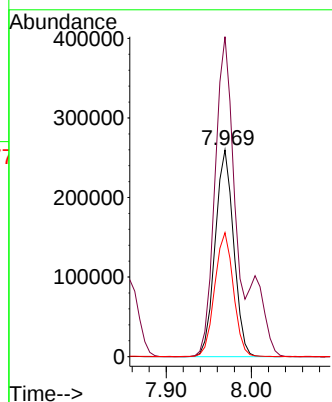
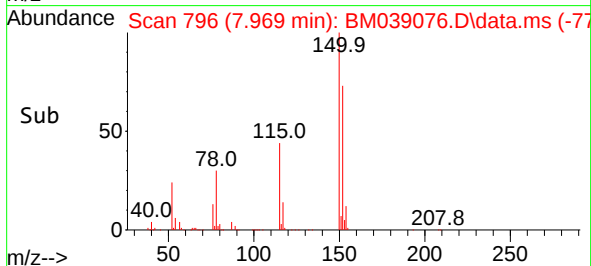
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



Tgt Ion:152 Resp: 391880
Ion Ratio Lower Upper
152 100
150 154.9 125.1 187.7
115 59.9 49.6 74.4

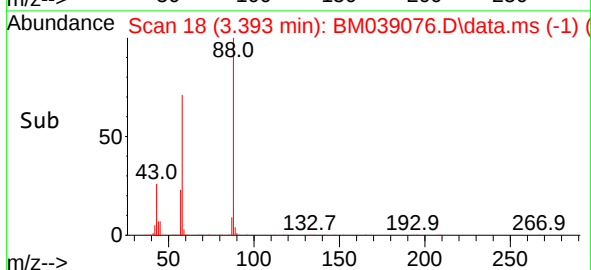
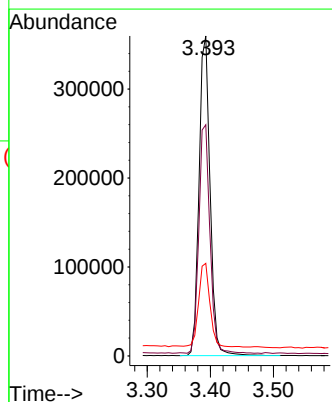
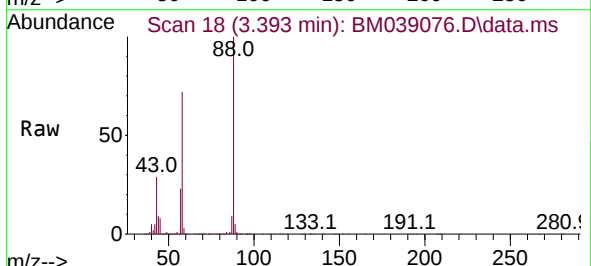
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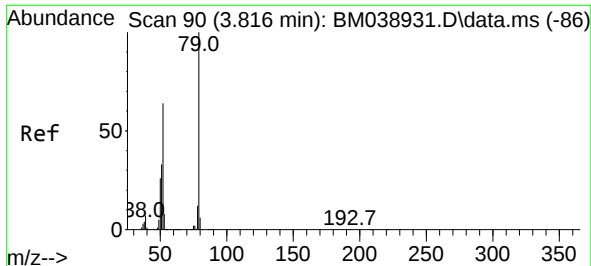
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#2
1,4-Dioxane
Concen: 38.109 ng
RT: 3.393 min Scan# 18
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

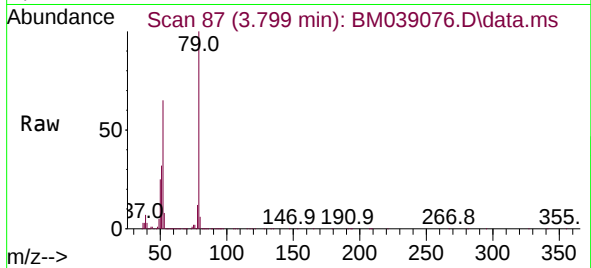
Tgt Ion: 88 Resp: 437302
Ion Ratio Lower Upper
88 100
58 72.4 57.2 85.8
43 26.9 22.0 33.0





#3
Pyridine
Concen: 35.064 ng
RT: 3.799 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

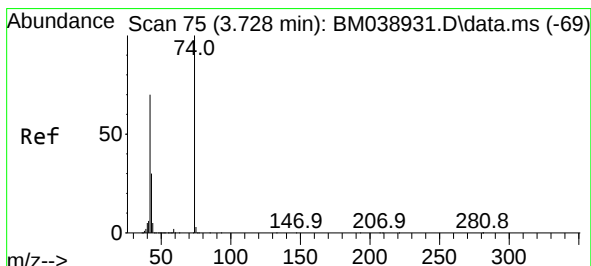
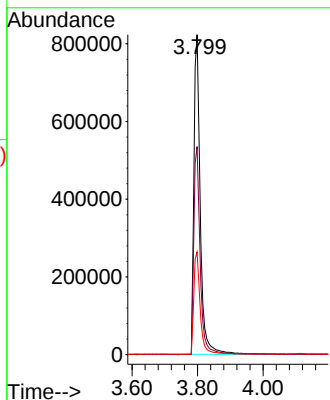
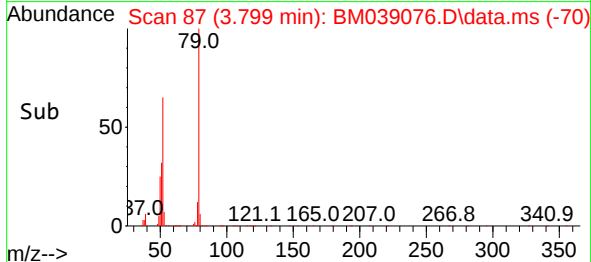
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



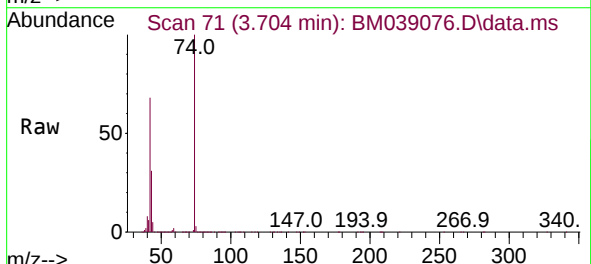
Tgt Ion: 79 Resp: 1115906
Ion Ratio Lower Upper
79 100
52 65.0 51.4 77.2
51 32.1 26.6 40.0

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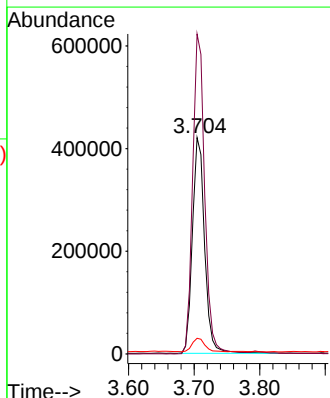
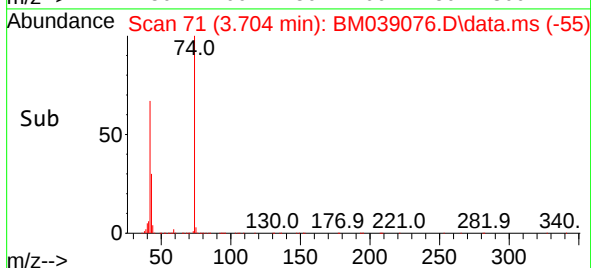
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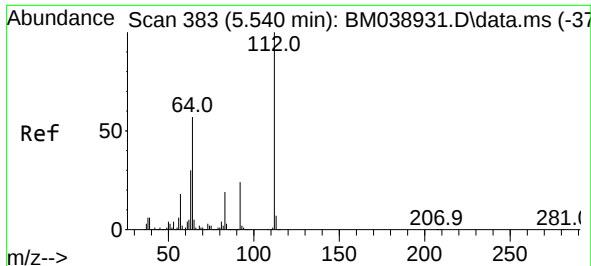


#4
n-Nitrosodimethylamine
Concen: 41.921 ng
RT: 3.704 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36



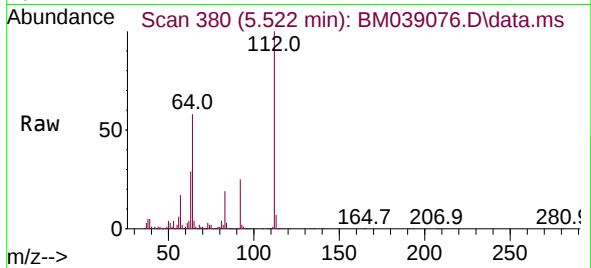
Tgt Ion: 42 Resp: 542888
Ion Ratio Lower Upper
42 100
74 148.0 113.8 170.8
44 7.2 6.2 9.2





#5
2-Fluorophenol
Concen: 122.857 ng
RT: 5.522 min Scan# 381
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

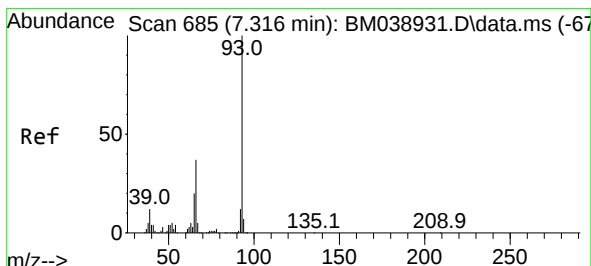
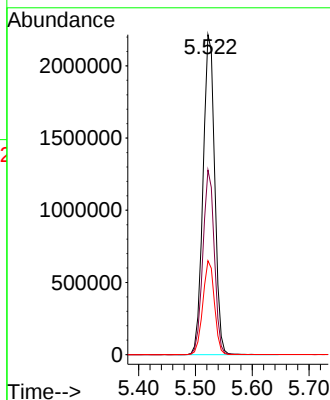
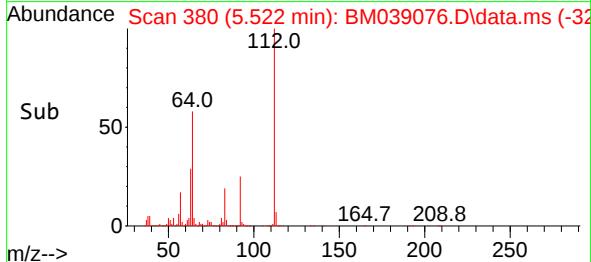
Instrument :
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ClientSampleId :
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Tgt Ion:112 Resp: 3168933
Ion Ratio Lower Upper
112 100
64 57.7 45.9 68.9
63 29.3 23.8 35.8

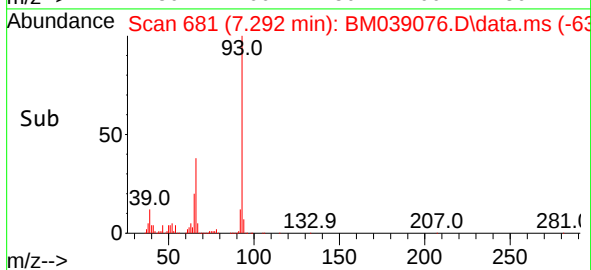
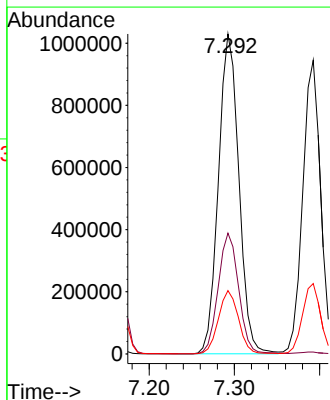
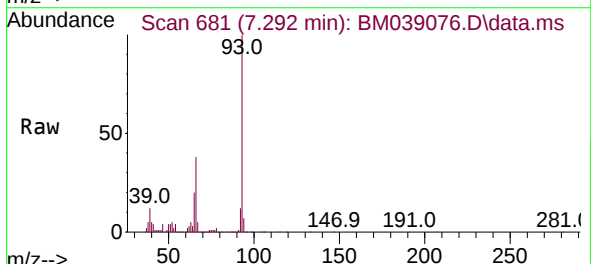
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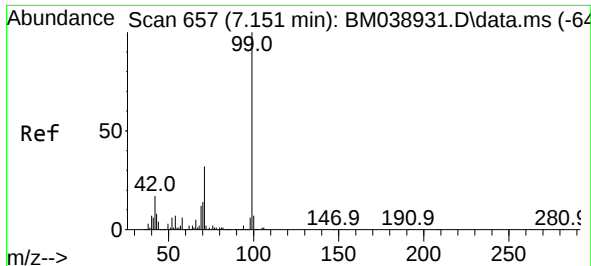
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#6
Aniline
Concen: 38.999 ng
RT: 7.292 min Scan# 681
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

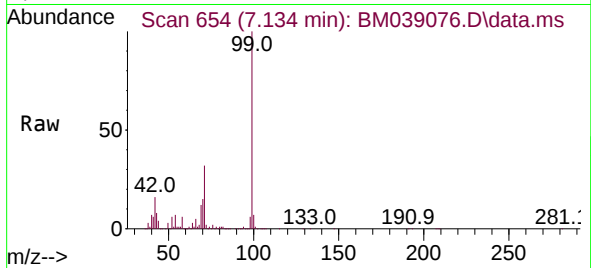
Tgt Ion: 93 Resp: 1715573
Ion Ratio Lower Upper
93 100
66 37.7 30.0 45.0
65 19.8 15.8 23.6





#7
Phenol-d6
Concen: 119.817 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

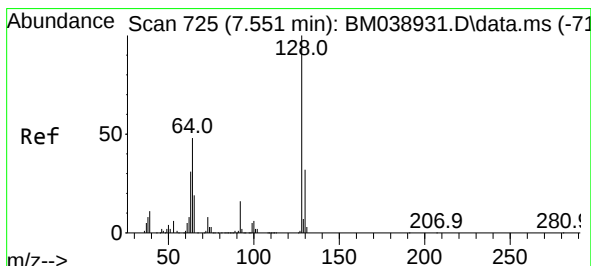
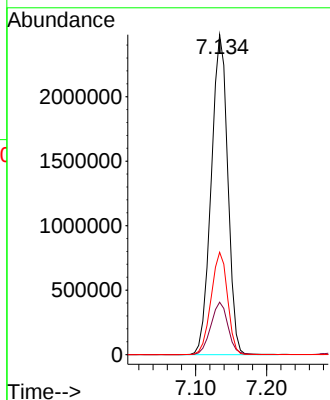
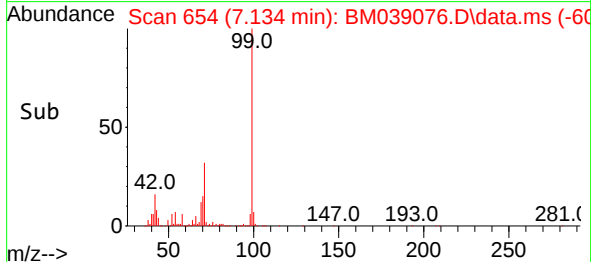
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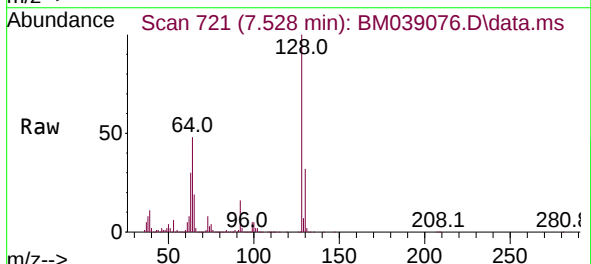
Tgt Ion: 99 Resp: 4014258
Ion Ratio Lower Upper
99 100
42 16.4 13.5 20.3
71 32.0 25.6 38.4

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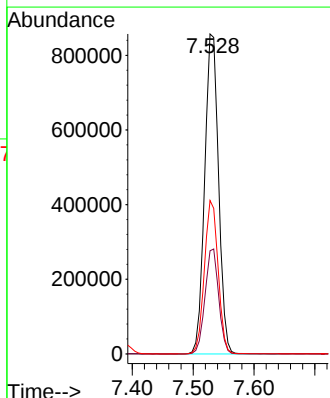
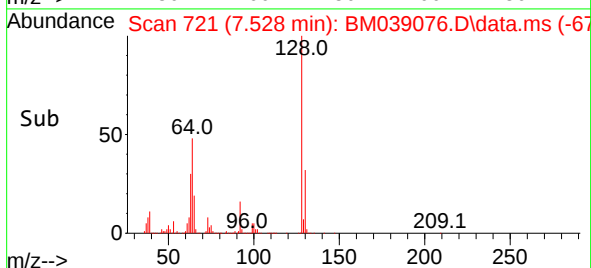
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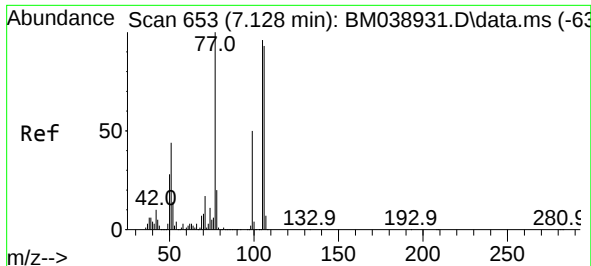


#8
2-Chlorophenol
Concen: 49.387 ng
RT: 7.528 min Scan# 721
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36



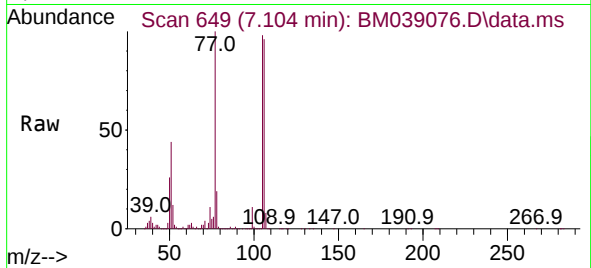
Tgt Ion:128 Resp: 1356184
Ion Ratio Lower Upper
128 100
130 32.2 11.9 51.9
64 47.9 28.6 68.6





#9
Benzaldehyde
Concen: 60.052 ng
RT: 7.104 min Scan# 649
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

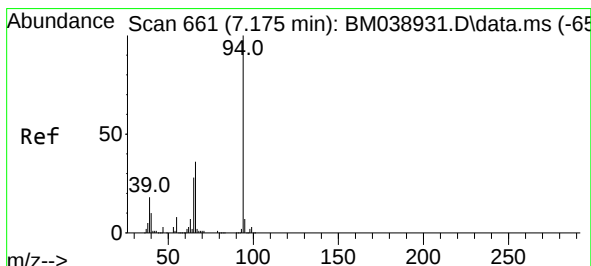
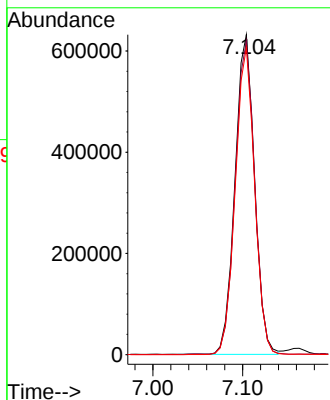
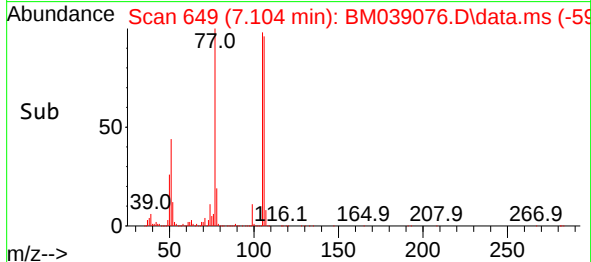
Instrument :
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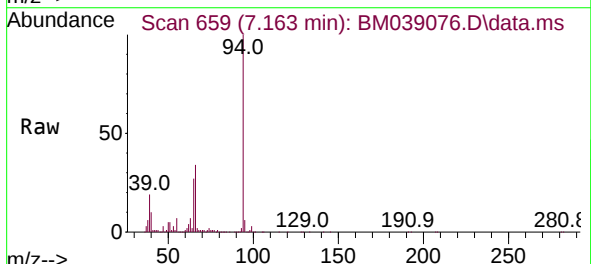
Tgt Ion: 77 Resp: 957408
Ion Ratio Lower Upper
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105 98.0 75.8 115.8
106 95.9 72.6 112.6

Manual Integrations
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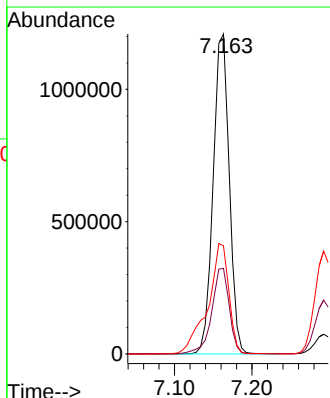
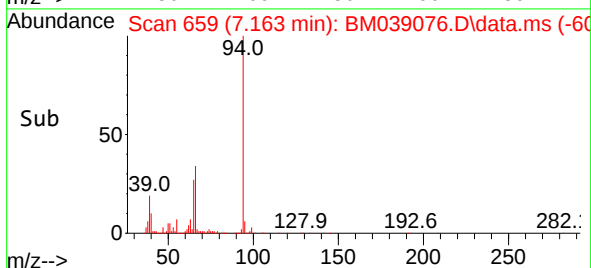
Reviewed By :Christian Giraldo 03/22/2023
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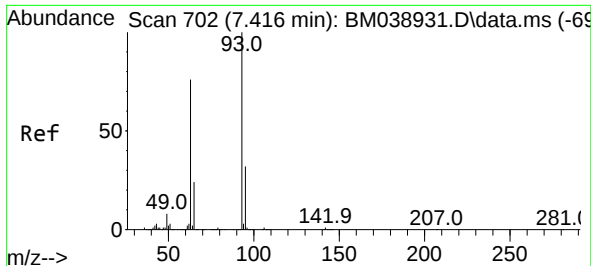


#10
Phenol
Concen: 49.074 ng
RT: 7.163 min Scan# 659
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36



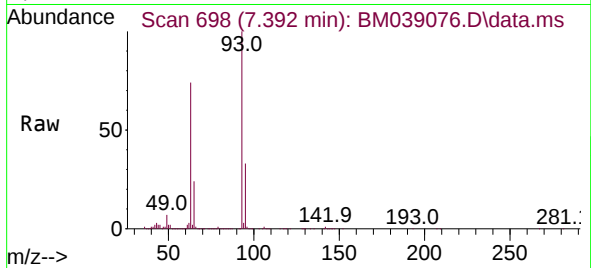
Tgt Ion: 94 Resp: 1745995
Ion Ratio Lower Upper
94 100
65 26.7 7.9 47.9
66 33.8 15.8 55.8





#11
bis(2-Chloroethyl)ether
Concen: 47.442 ng
RT: 7.392 min Scan# 69
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

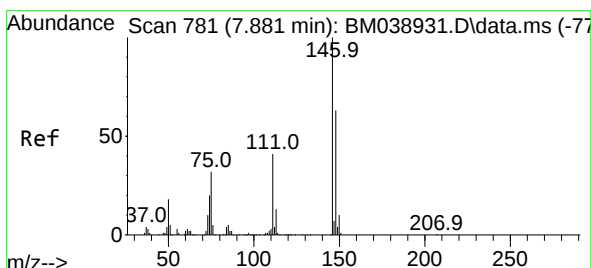
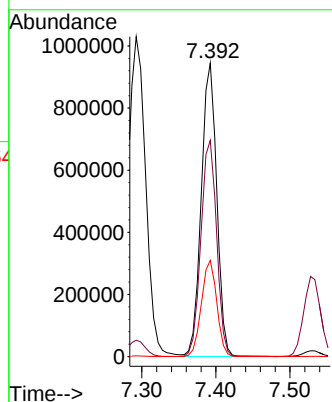
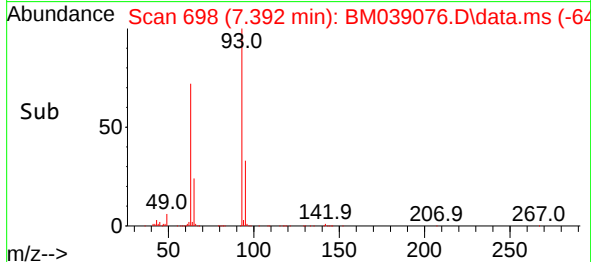
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



Tgt Ion: 93 Resp: 1372340
Ion Ratio Lower Upper
93 100
63 73.7 55.8 95.8
95 32.8 12.2 52.2

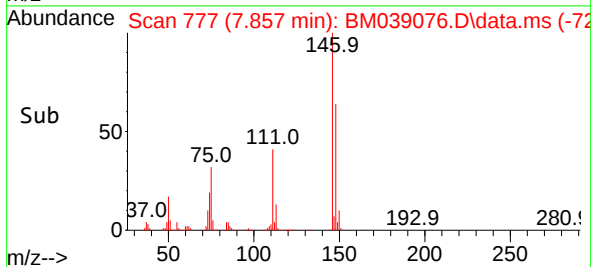
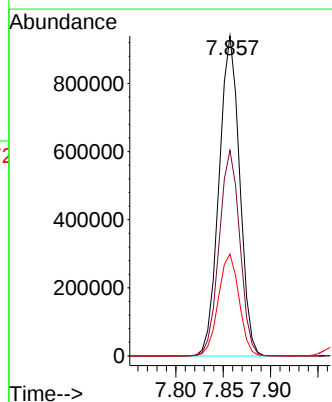
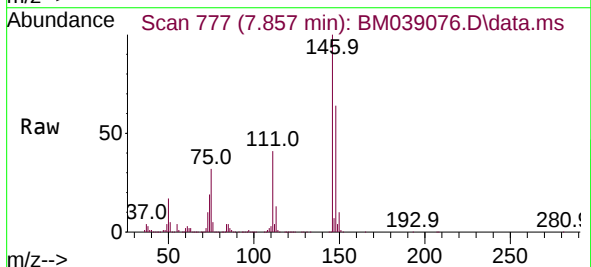
Manual Integrations
APPROVED

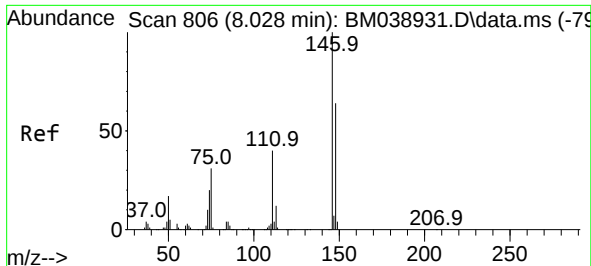
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#12
1,3-Dichlorobenzene
Concen: 48.590 ng
RT: 7.857 min Scan# 777
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Tgt Ion:146 Resp: 1418008
Ion Ratio Lower Upper
146 100
148 64.2 50.6 75.8
75 31.9 26.0 39.0





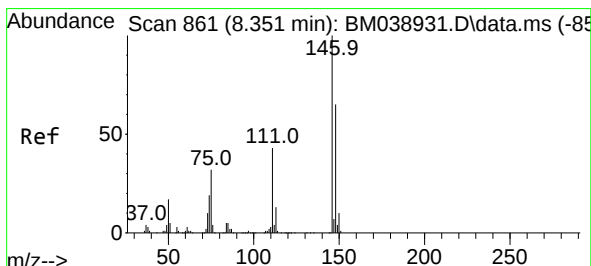
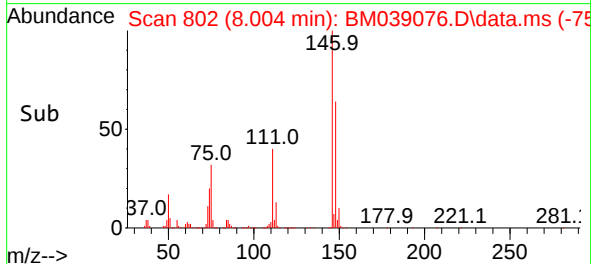
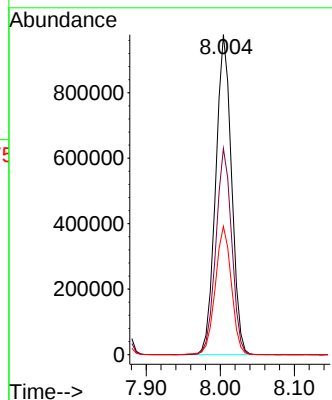
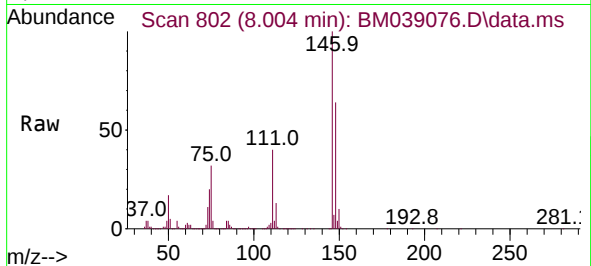
#13
1,4-Dichlorobenzene
Concen: 48.919 ng
RT: 8.004 min Scan# 806
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Instrument :
BNA_M
ClientSampleId :
IRV-3MS

Tgt Ion:146 Resp: 1451923
Ion Ratio Lower Upper
146 100
148 64.4 51.0 76.4
111 40.1 32.2 48.4

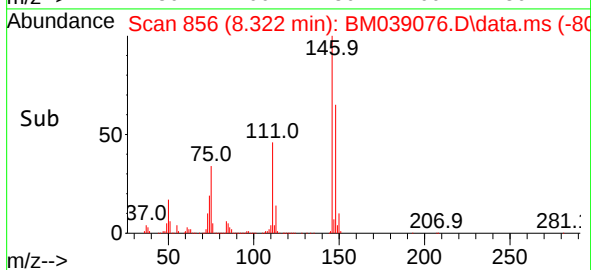
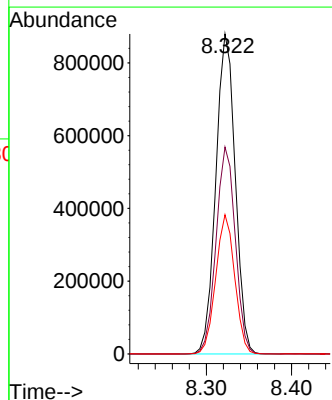
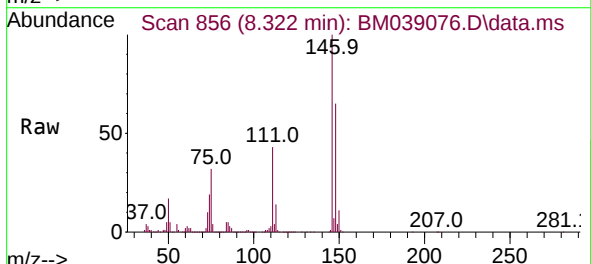
Manual Integrations
APPROVED

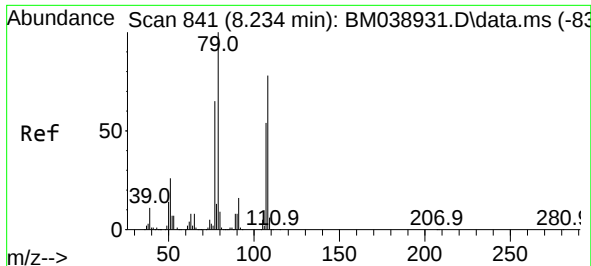
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#14
1,2-Dichlorobenzene
Concen: 48.651 ng
RT: 8.322 min Scan# 856
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

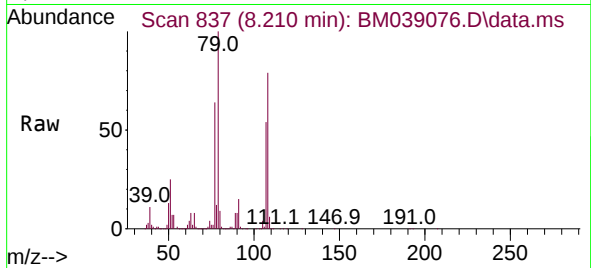
Tgt Ion:146 Resp: 1390911
Ion Ratio Lower Upper
146 100
148 64.6 51.7 77.5
111 43.5 34.2 51.4





#15
Benzyl Alcohol
Concen: 48.502 ng m
RT: 8.210 min Scan# 841
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

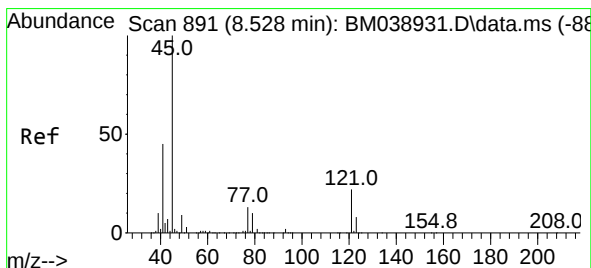
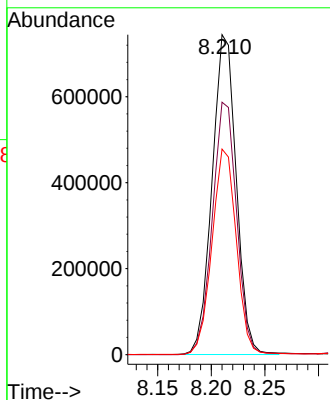
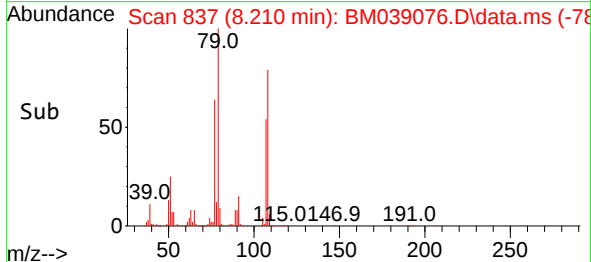
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



Tgt Ion: 79 Resp: 1164718
Ion Ratio Lower Upper
79 100
108 78.9 62.4 93.6
77 64.2 52.2 78.4

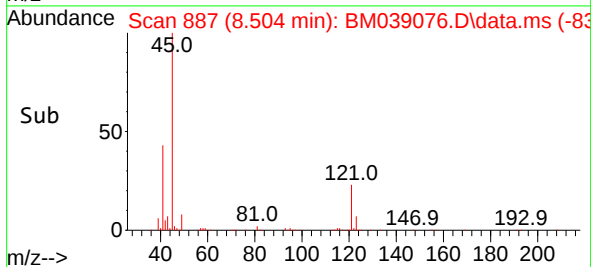
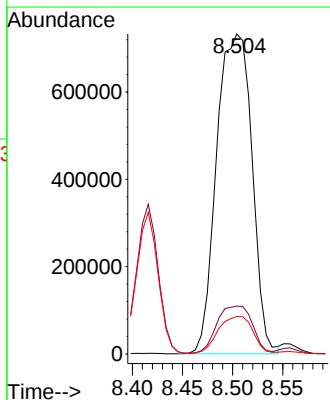
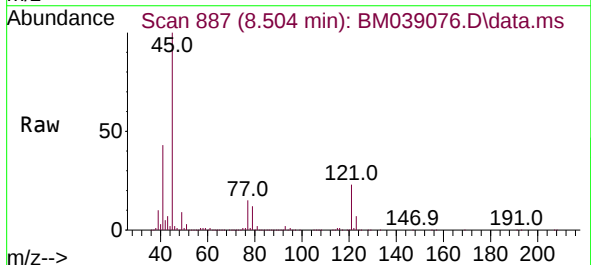
Manual Integrations
APPROVED

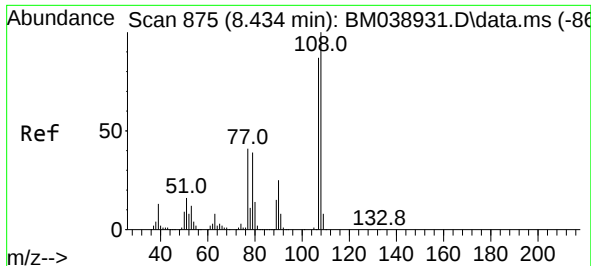
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.146 ng
RT: 8.504 min Scan# 887
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

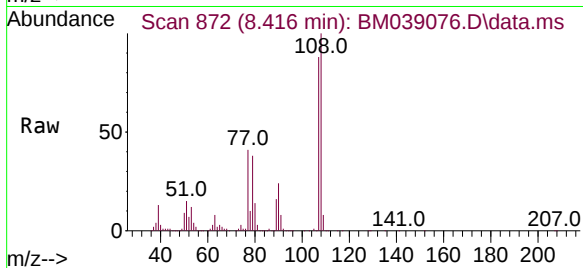
Tgt Ion: 45 Resp: 1795421
Ion Ratio Lower Upper
45 100
77 14.9 0.0 34.8
79 11.7 0.0 31.5





#17
2-Methylphenol
Concen: 45.700 ng
RT: 8.416 min Scan# 81
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Instrument :
BNA_M
ClientSampleId :
IRV-3MS

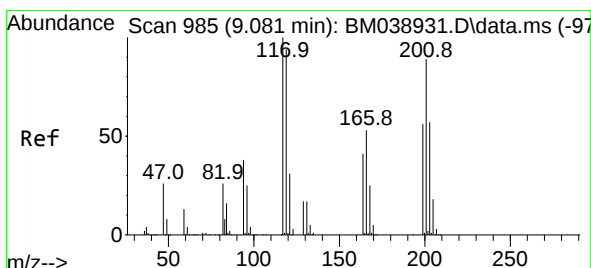
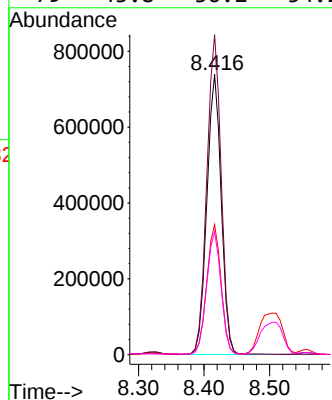
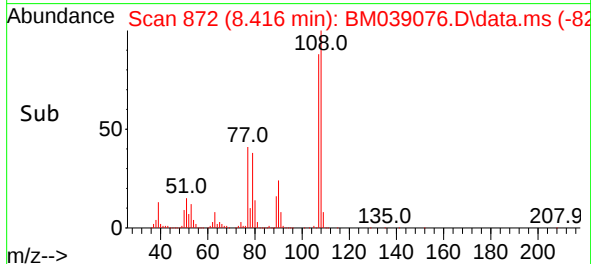


Tgt Ion:107 Resp: 1116939

Ion	Ratio	Lower	Upper
107	100		
108	114.2	91.7	137.5
77	46.4	37.4	56.2
79	43.8	36.2	54.2

Manual Integrations
APPROVED

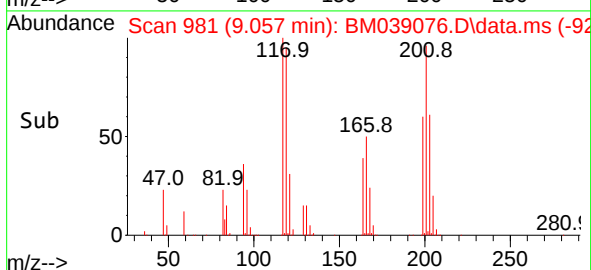
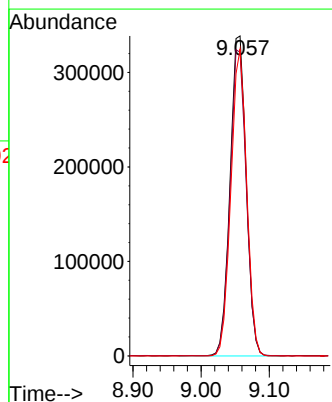
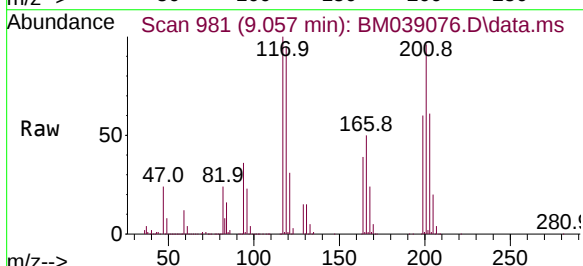
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

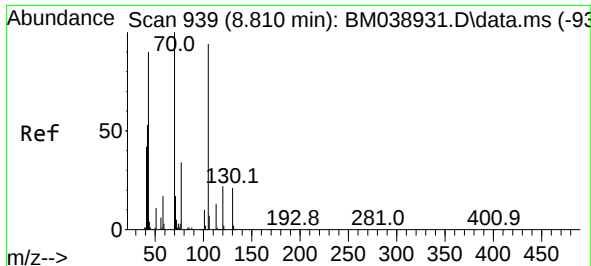


#18
Hexachloroethane
Concen: 50.740 ng
RT: 9.057 min Scan# 981
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Tgt Ion:117 Resp: 555629

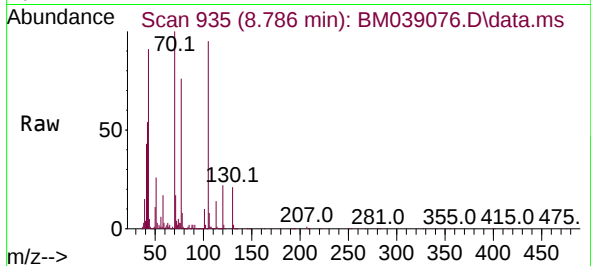
Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.4	113.0
201	95.8	71.3	106.9





#19
n-Nitroso-di-n-propylamine
Concen: 48.552 ng
RT: 8.786 min Scan# 931
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

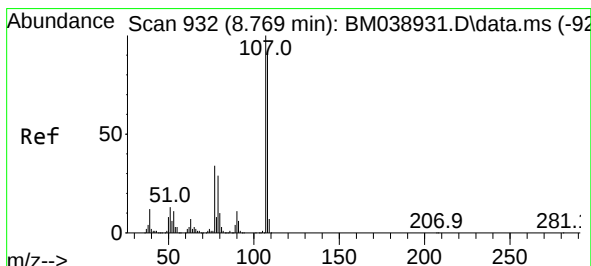
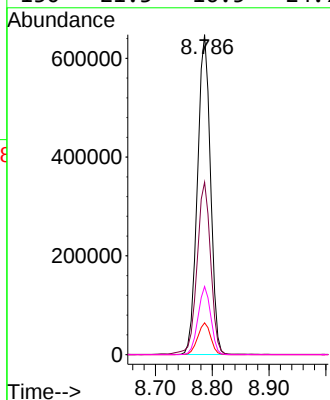
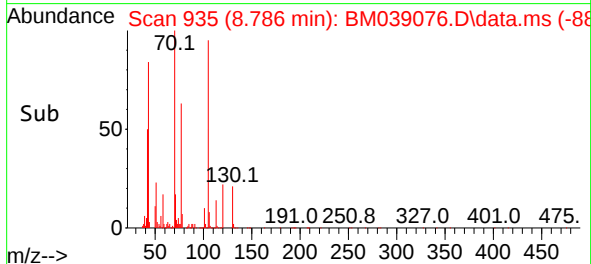
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



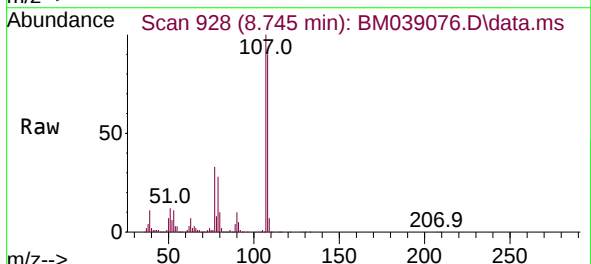
Tgt Ion: 70 Resp: 1024583
Ion Ratio Lower Upper
70 100
42 53.9 43.4 65.2
101 9.9 7.6 11.4
130 21.3 16.5 24.7

Manual Integrations
APPROVED

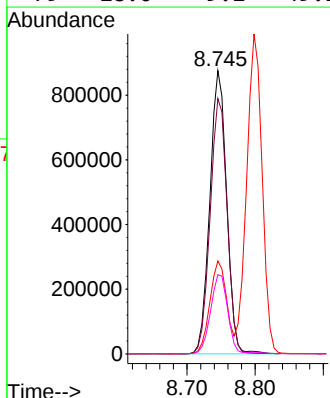
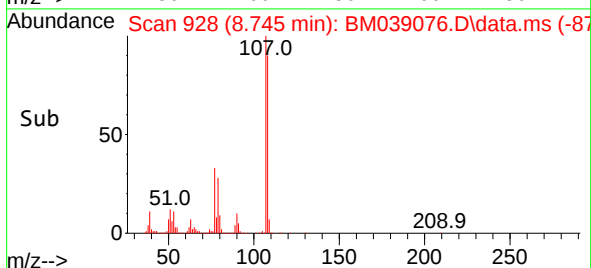
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

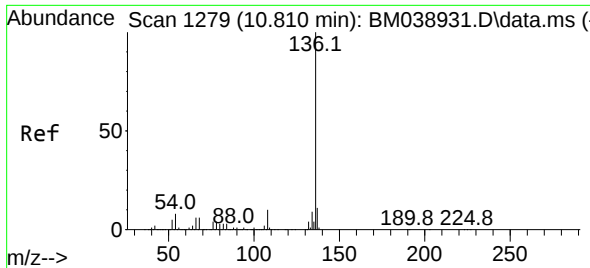


#20
3+4-Methylphenols
Concen: 45.961 ng
RT: 8.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36



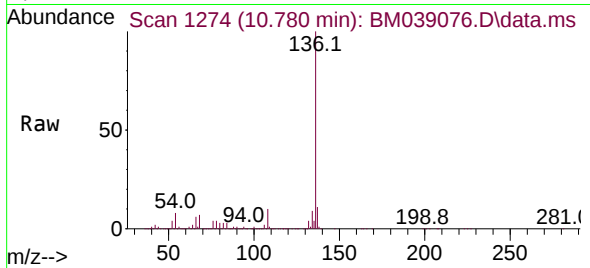
Tgt Ion:107 Resp: 1499882
Ion Ratio Lower Upper
107 100
108 90.2 71.8 111.8
77 32.8 13.6 53.6
79 28.0 9.2 49.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

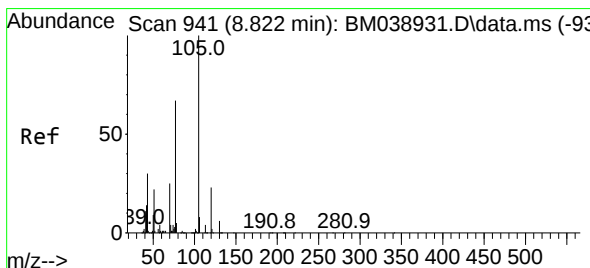
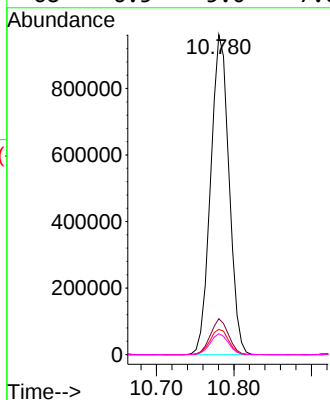
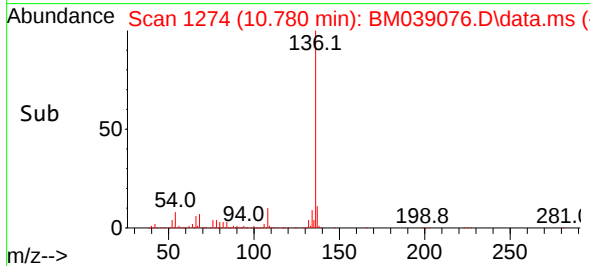
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



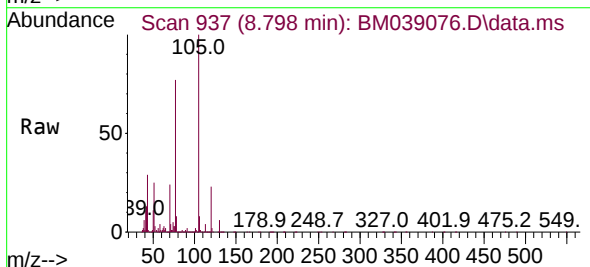
Tgt Ion:136 Resp: 158254
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 7.9 6.3 9.5
68 6.5 5.0 7.6

Manual Integrations
APPROVED

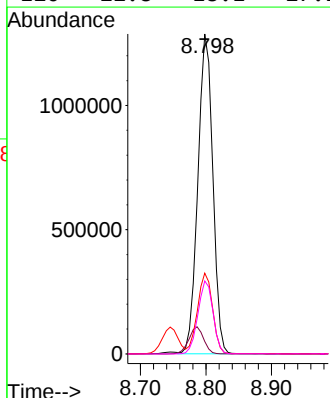
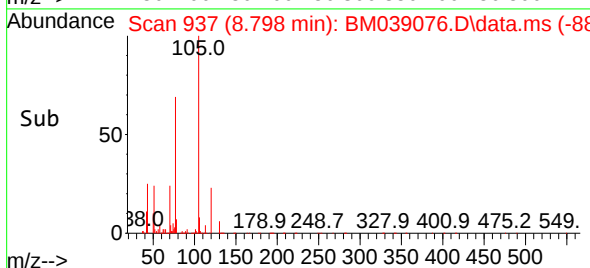
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

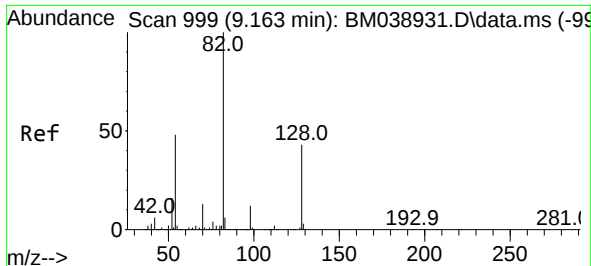


#22
Acetophenone
Concen: 45.703 ng
RT: 8.798 min Scan# 937
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36



Tgt Ion:105 Resp: 2029233
Ion Ratio Lower Upper
105 100
71 3.9 3.4 5.0
51 25.2 21.0 31.4
120 22.8 18.1 27.1





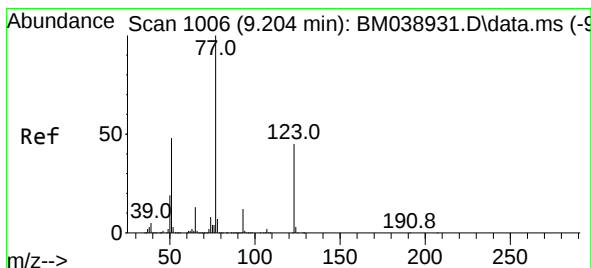
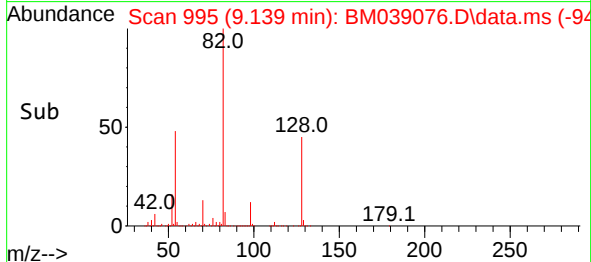
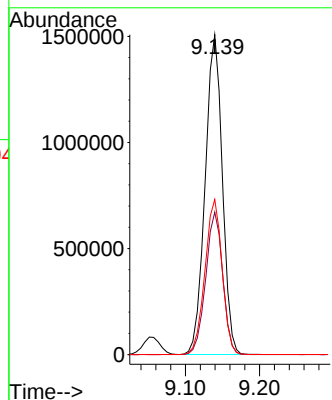
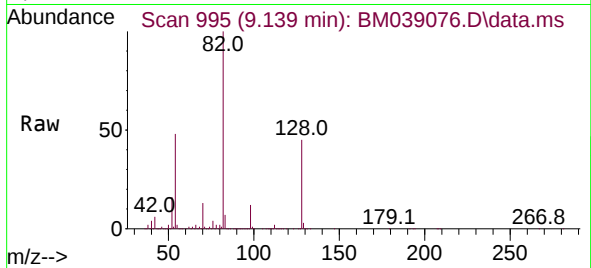
#23
Nitrobenzene-d5
Concen: 75.505 ng
RT: 9.139 min Scan# 995
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Instrument :
BNA_M
ClientSampleId :
IRV-3MS

Tgt Ion: 82 Resp: 2432579
Ion Ratio Lower Upper
82 100
128 44.5 34.4 51.6
54 48.5 38.8 58.2

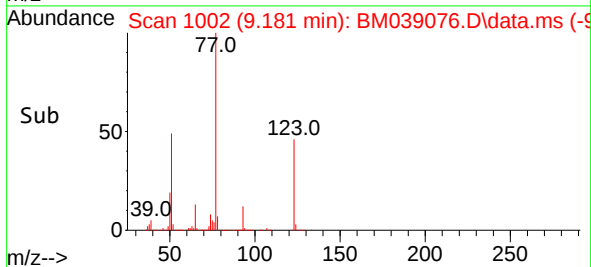
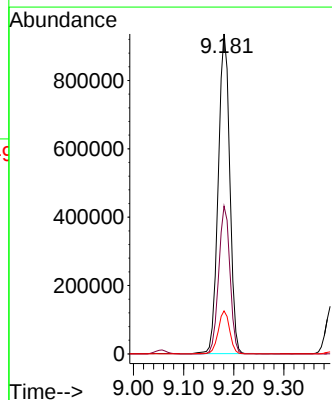
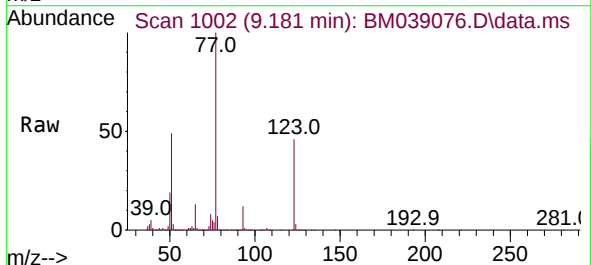
Manual Integrations
APPROVED

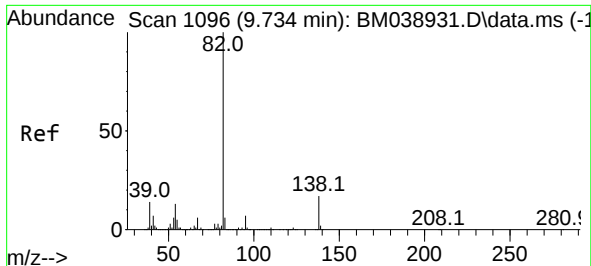
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#24
Nitrobenzene
Concen: 43.983 ng
RT: 9.181 min Scan# 1002
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

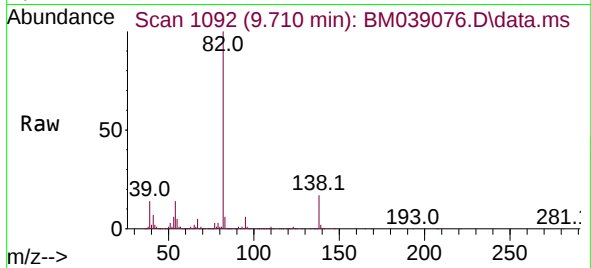
Tgt Ion: 77 Resp: 1489364
Ion Ratio Lower Upper
77 100
123 46.2 35.8 53.6
65 13.4 10.2 15.4





#25
Isophorone
Concen: 46.333 ng
RT: 9.710 min Scan# 1096
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

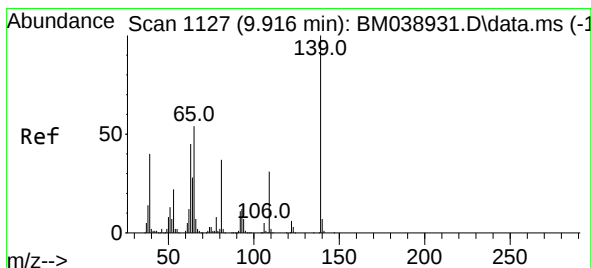
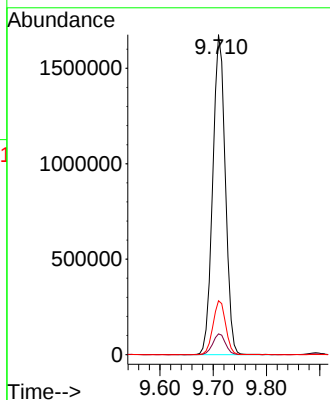
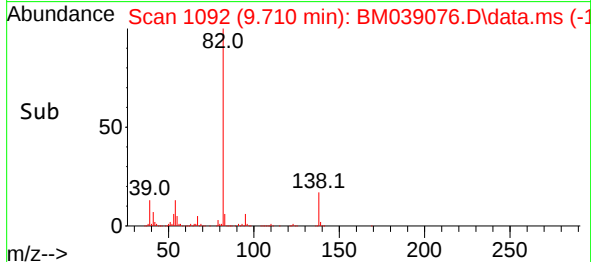
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



Tgt Ion: 82 Resp: 2746924
Ion Ratio Lower Upper
82 100
95 6.5 5.2 7.8
138 16.8 13.6 20.4

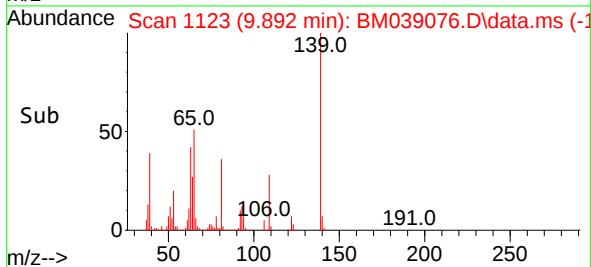
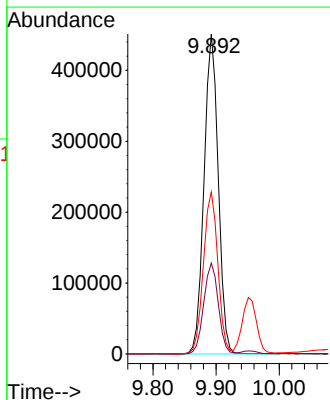
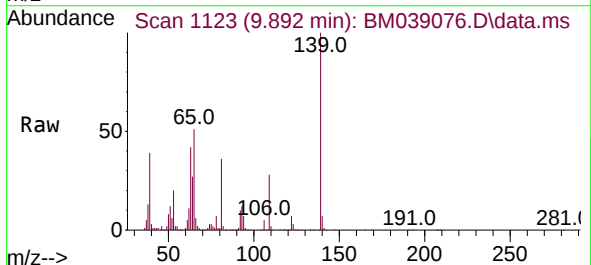
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#26
2-Nitrophenol
Concen: 47.123 ng
RT: 9.892 min Scan# 1123
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Tgt Ion:139 Resp: 703708
Ion Ratio Lower Upper
139 100
109 28.4 24.5 36.7
65 50.6 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 48.174 ng

RT: 9.951 min Scan# 1133

Delta R.T. -0.000 min

Lab File: BM039076.D

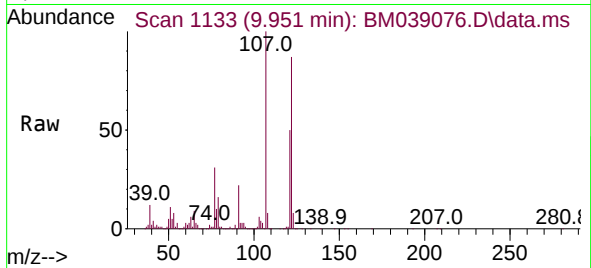
Acq: 21 Mar 2023 19:36

Instrument :

BNA_M

ClientSampleId :

IRV-3MS



Tgt Ion:122 Resp: 1244456

Ion Ratio Lower Upper

122 100

107 114.8 91.0 136.4

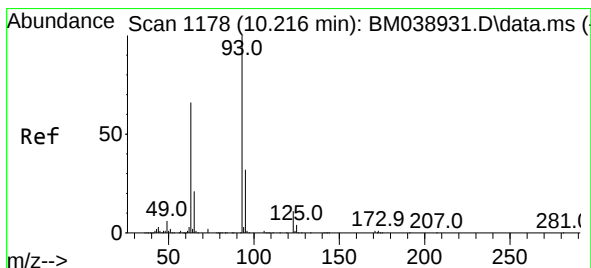
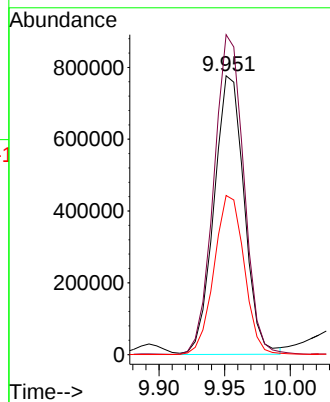
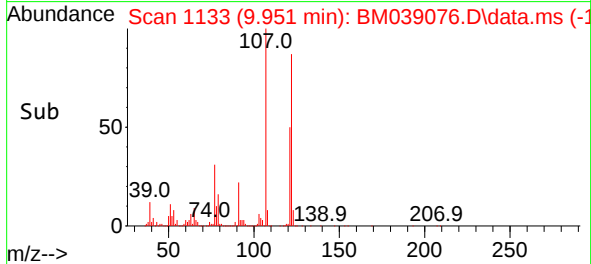
121 57.1 45.1 67.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/22/2023

Supervised By :Jagrut Upadhyay 03/22/2023



#28

bis(2-Chloroethoxy)methane

Concen: 46.670 ng

RT: 10.192 min Scan# 1174

Delta R.T. -0.000 min

Lab File: BM039076.D

Acq: 21 Mar 2023 19:36

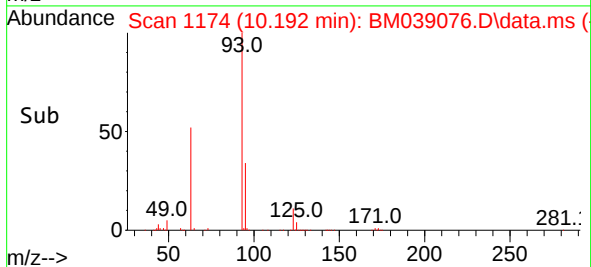
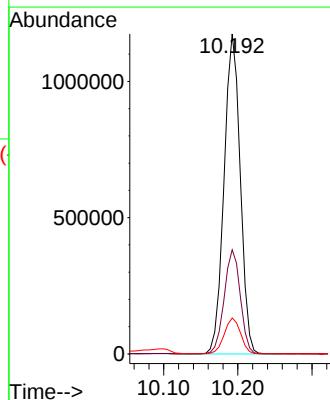
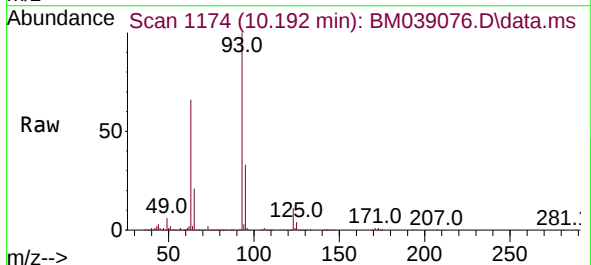
Tgt Ion: 93 Resp: 1777839

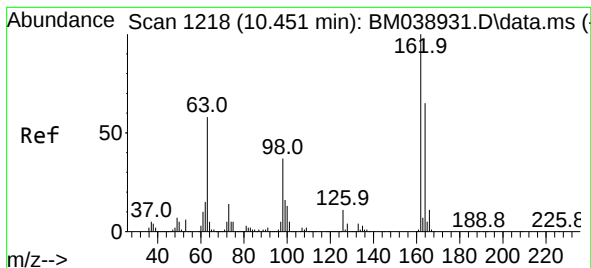
Ion Ratio Lower Upper

93 100

95 32.5 25.9 38.9

123 11.2 8.8 13.2





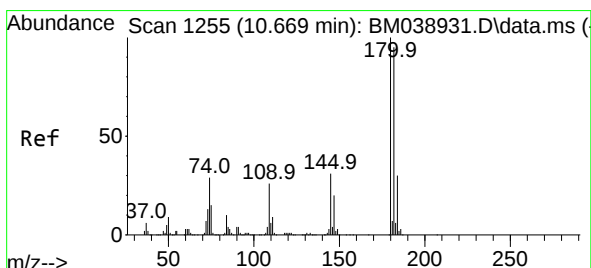
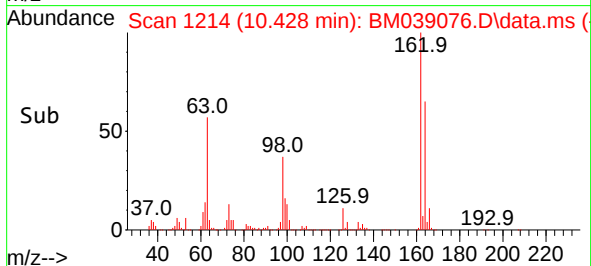
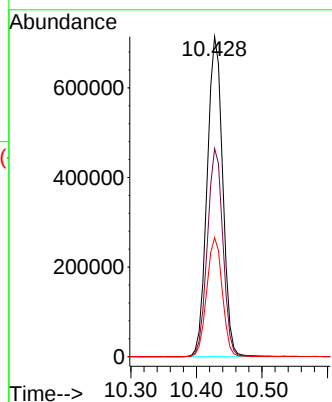
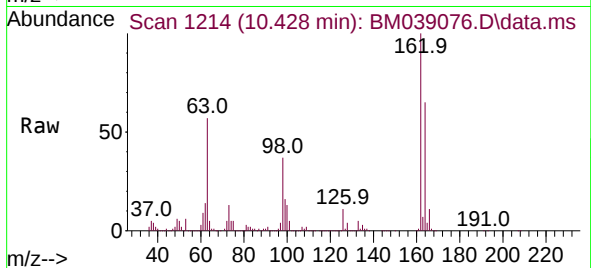
#29
2,4-Dichlorophenol
Concen: 47.988 ng
RT: 10.428 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Instrument :
BNA_M
ClientSampleId :
IRV-3MS

Tgt Ion:162 Resp: 1175290
Ion Ratio Lower Upper
162 100
164 65.0 44.6 84.6
98 37.2 17.5 57.5

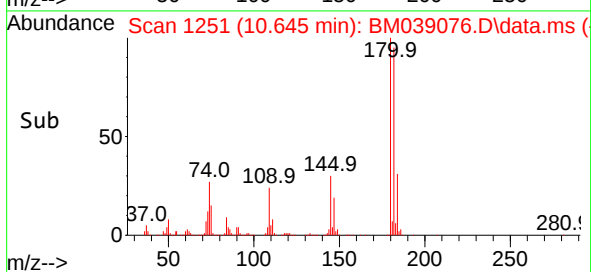
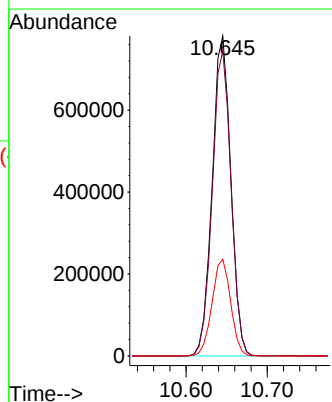
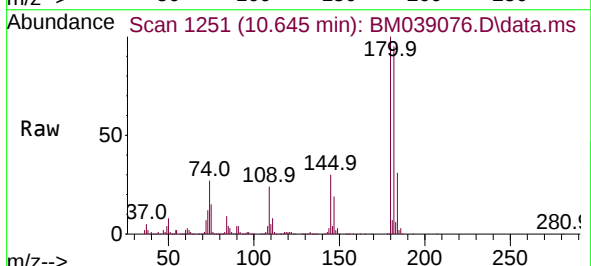
Manual Integrations
APPROVED

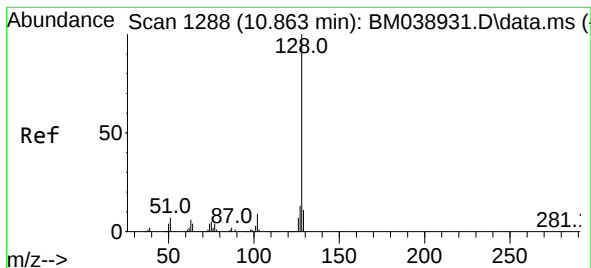
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#30
1,2,4-Trichlorobenzene
Concen: 46.547 ng
RT: 10.645 min Scan# 1251
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

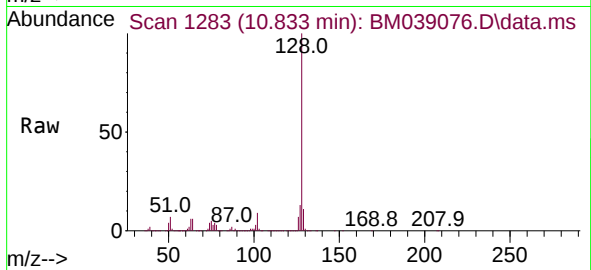
Tgt Ion:180 Resp: 1245763
Ion Ratio Lower Upper
180 100
182 95.4 76.3 114.5
145 30.2 25.0 37.4





#31
Naphthalene
Concen: 44.367 ng
RT: 10.833 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

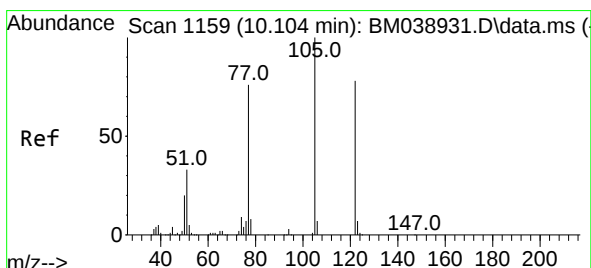
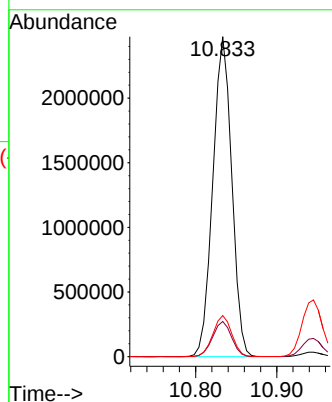
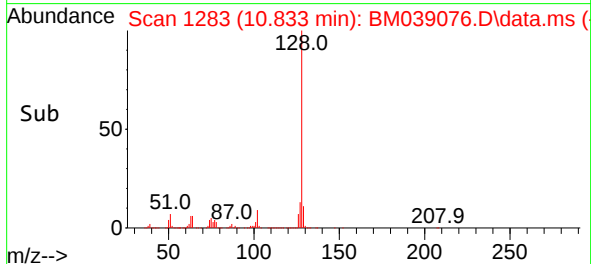
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



Tgt Ion:128 Resp: 4003652
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.8 10.2 15.4

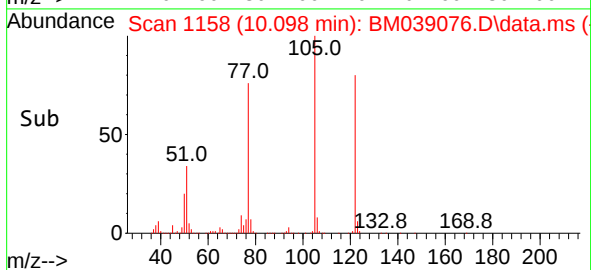
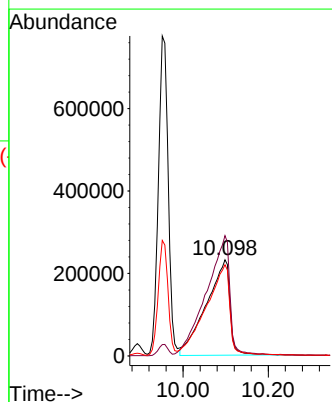
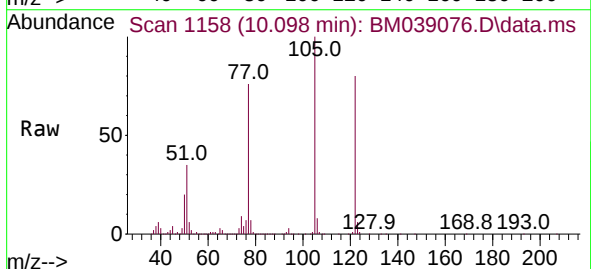
Manual Integrations
APPROVED

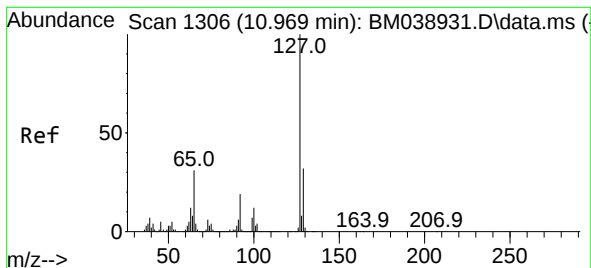
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#32
Benzoic acid
Concen: 47.130 ng
RT: 10.098 min Scan# 1158
Delta R.T. 0.012 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

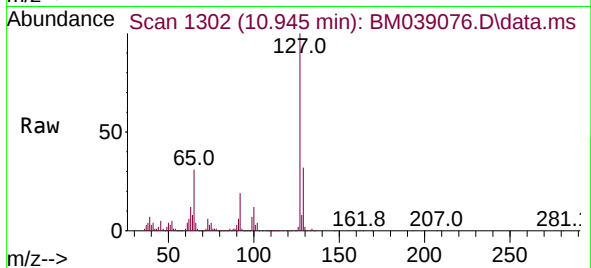
Tgt Ion:122 Resp: 891048
Ion Ratio Lower Upper
122 100
105 125.1 104.2 144.2
77 94.9 75.1 115.1





#33
4-Chloroaniline
Concen: 20.381 ng
RT: 10.945 min Scan# 1302
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

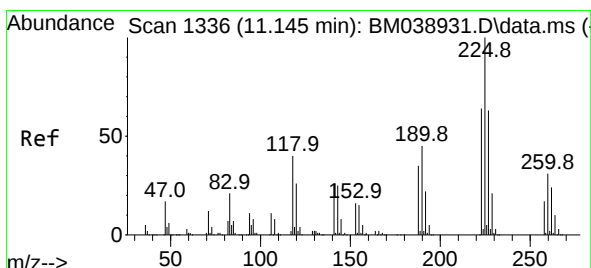
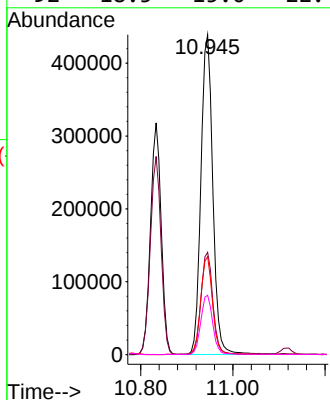
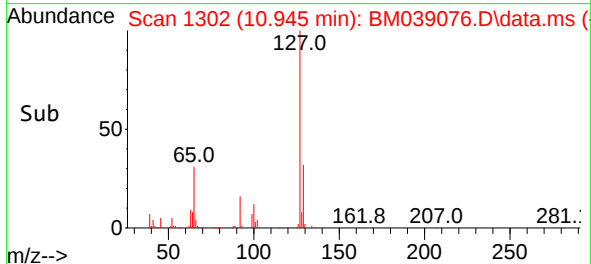
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



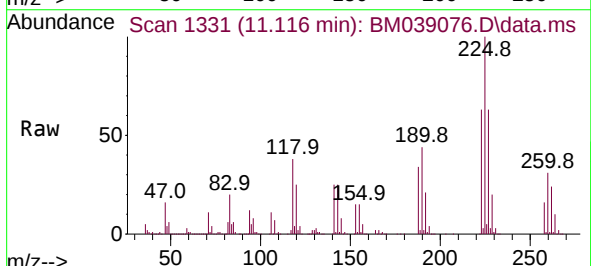
Tgt Ion:	127	Resp:	78378
Ion Ratio	Lower	Upper	
127	100		
129	32.0	25.4	38.2
65	30.6	24.4	36.6
92	18.5	15.0	22.4

Manual Integrations
APPROVED

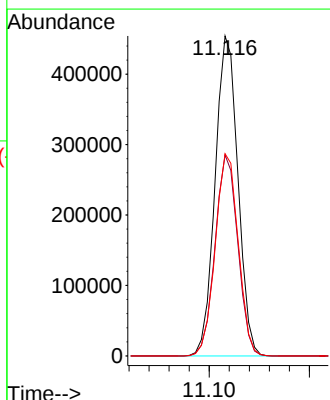
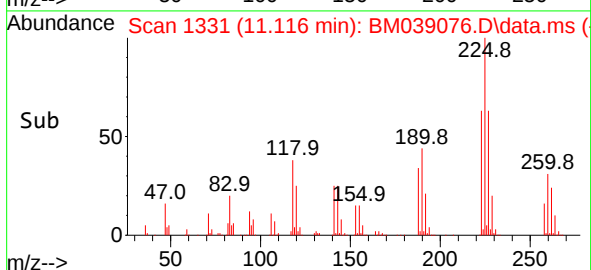
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

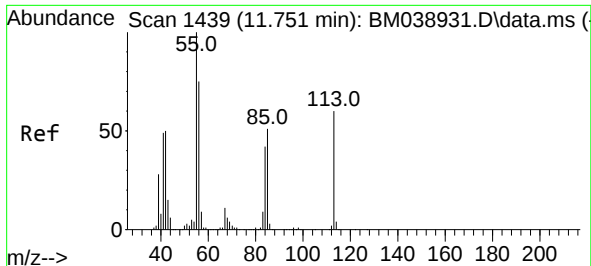


#34
Hexachlorobutadiene
Concen: 46.770 ng
RT: 11.116 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36



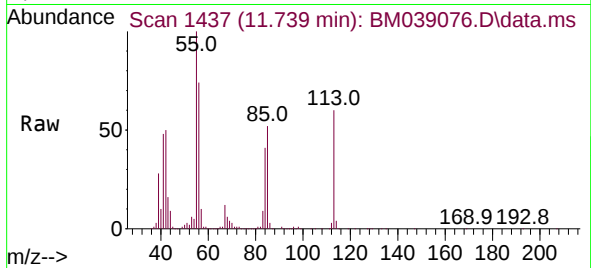
Tgt Ion:	225	Resp:	717812
Ion Ratio	Lower	Upper	
225	100		
223	62.8	51.3	76.9
227	63.2	50.6	76.0





#35
 Caprolactam
 Concen: 45.053 ng
 RT: 11.739 min Scan# 1437
 Delta R.T. 0.006 min
 Lab File: BM039076.D
 Acq: 21 Mar 2023 19:36

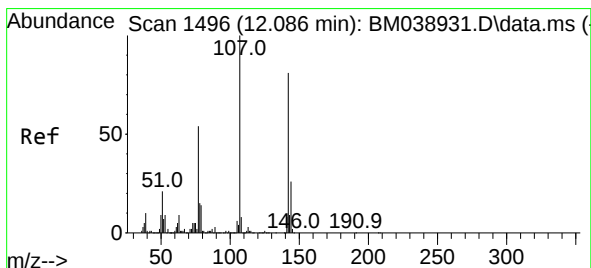
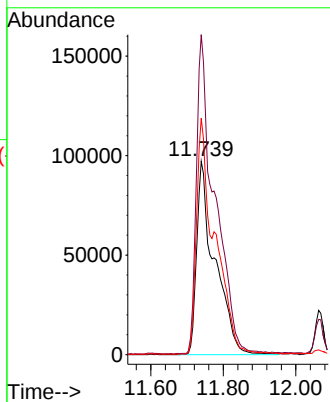
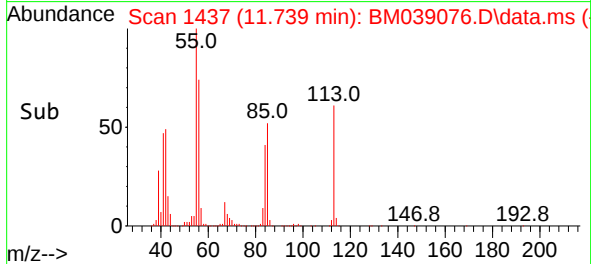
Instrument :
 BNA_M
 ClientSampleId :
 IRV-3MS



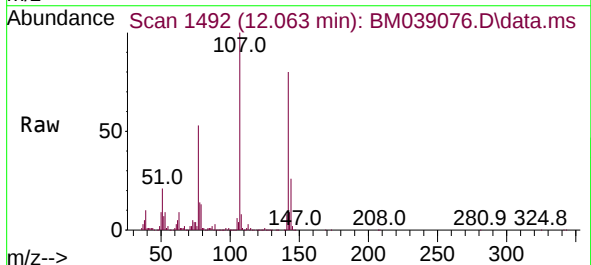
Tgt Ion:113 Resp: 335836
 Ion Ratio Lower Upper
 113 100
 55 165.4 147.0 187.0
 56 122.2 105.1 145.1

Manual Integrations
 APPROVED

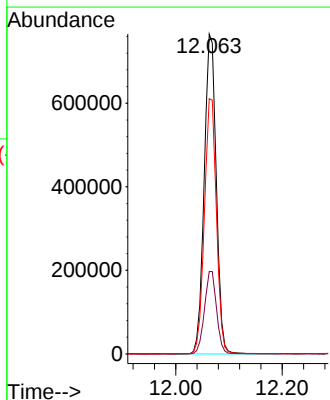
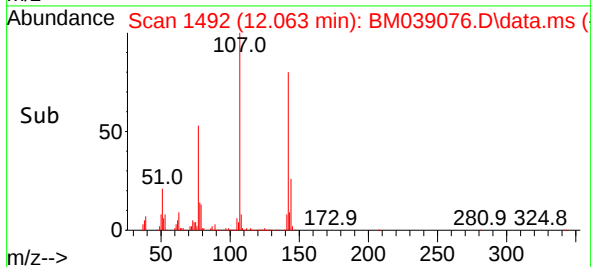
Reviewed By :Christian Giraldo 03/22/2023
 Supervised By :Jagrut Upadhyay 03/22/2023

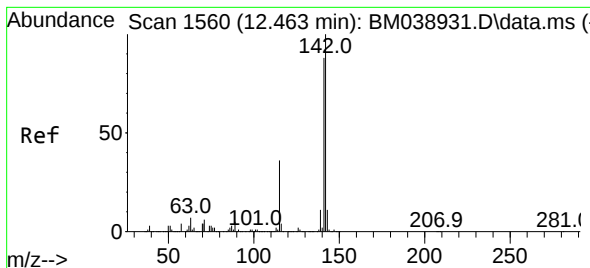


#36
 4-Chloro-3-methylphenol
 Concen: 46.089 ng
 RT: 12.063 min Scan# 1492
 Delta R.T. -0.000 min
 Lab File: BM039076.D
 Acq: 21 Mar 2023 19:36



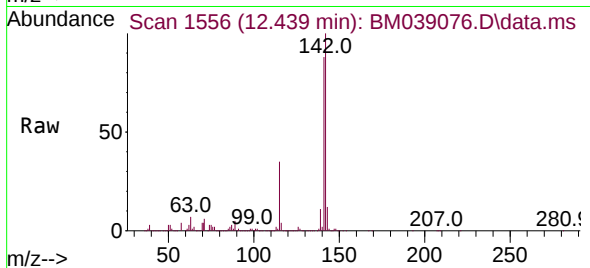
Tgt Ion:107 Resp: 1201987
 Ion Ratio Lower Upper
 107 100
 144 25.7 20.7 31.1
 142 79.7 64.6 97.0





#37
2-Methylnaphthalene
Concen: 43.665 ng
RT: 12.439 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

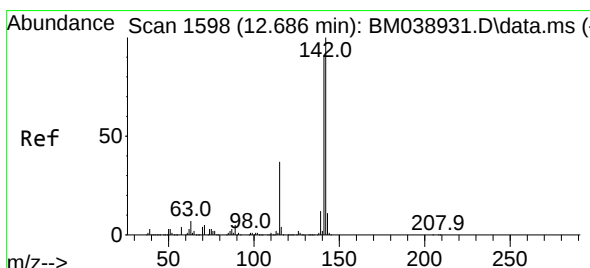
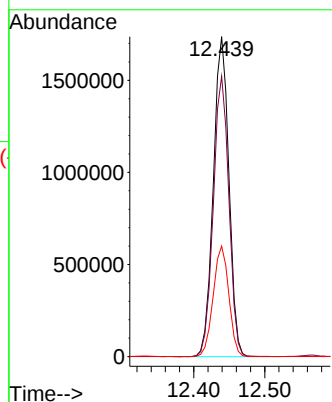
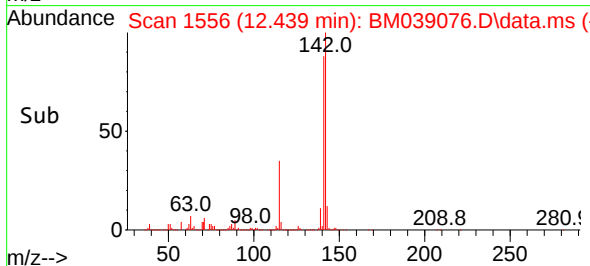
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



Tgt Ion:142 Resp: 2640969
Ion Ratio Lower Upper
142 100
141 87.6 70.6 106.0
115 34.5 28.5 42.7

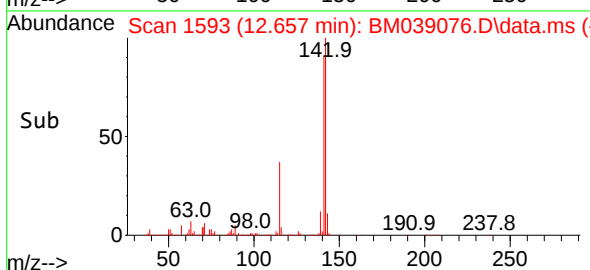
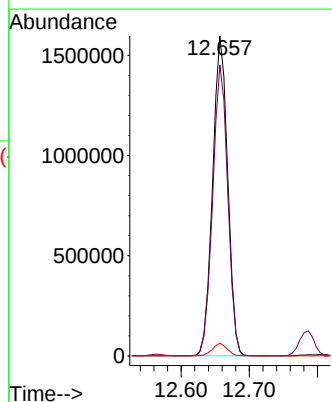
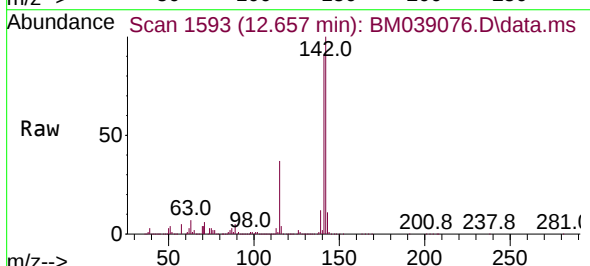
Manual Integrations
APPROVED

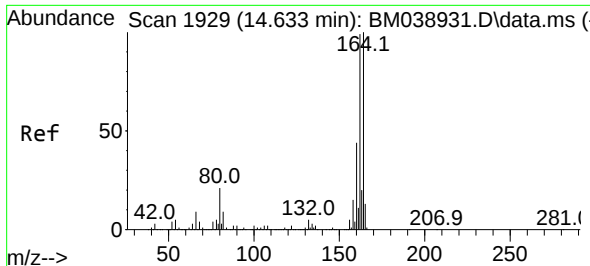
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#38
1-Methylnaphthalene
Concen: 43.229 ng
RT: 12.657 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

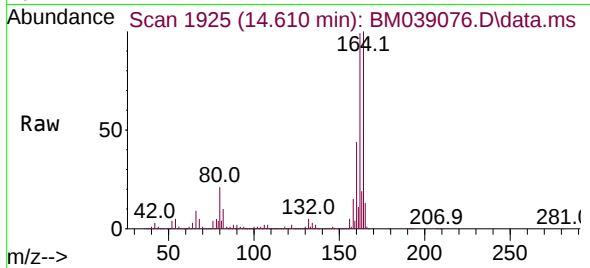
Tgt Ion:142 Resp: 2450271
Ion Ratio Lower Upper
142 100
141 90.8 72.8 109.2
116 4.0 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

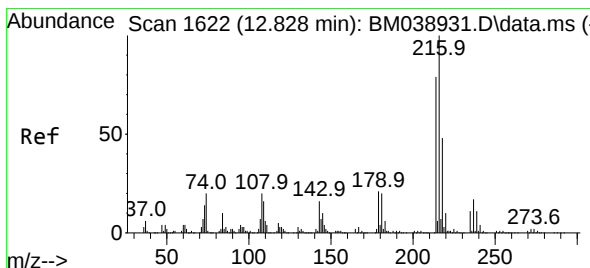
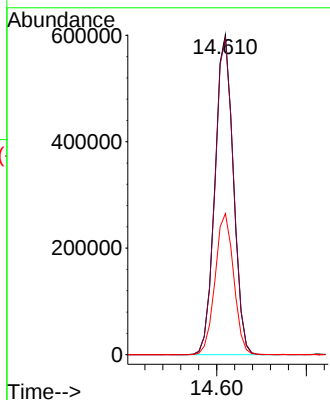
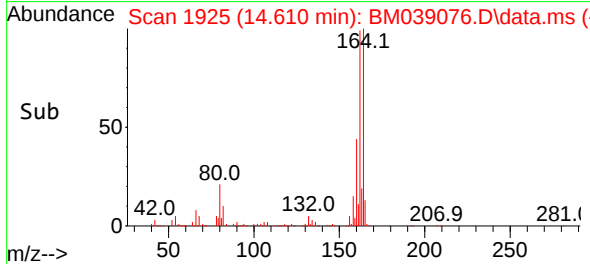
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



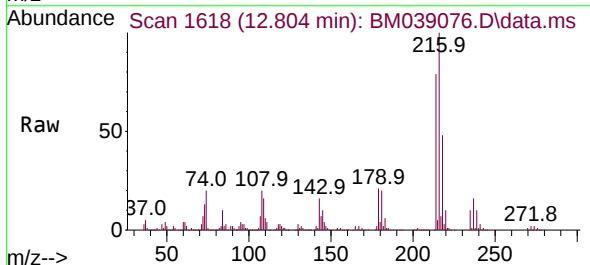
Tgt Ion:164 Resp: 852624
Ion Ratio Lower Upper
164 100
162 98.9 79.2 118.8
160 44.1 35.5 53.3

Manual Integrations
APPROVED

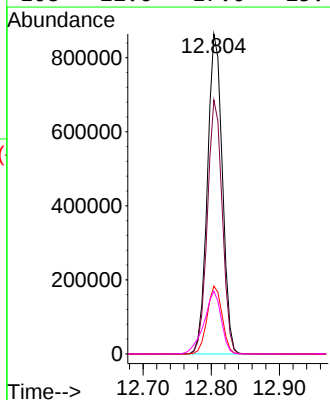
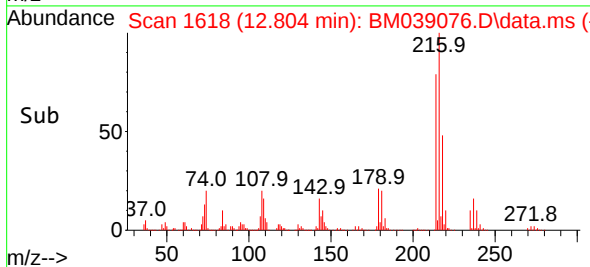
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

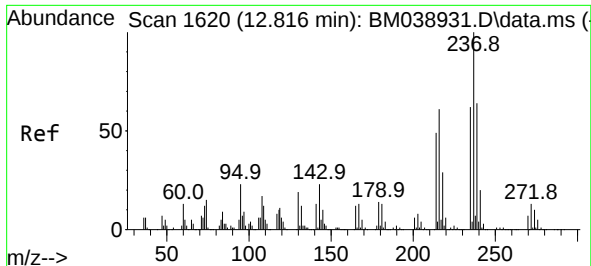


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.394 ng
RT: 12.804 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36



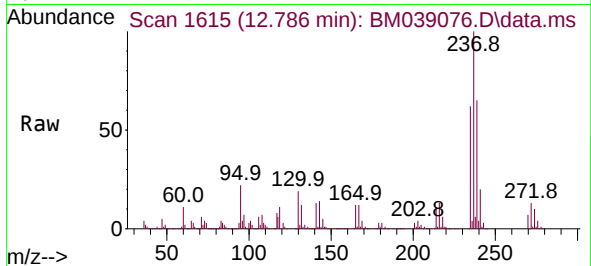
Tgt Ion:216 Resp: 1313689
Ion Ratio Lower Upper
216 100
214 79.0 63.0 94.4
179 21.2 16.8 25.2
108 22.6 17.0 25.4





#41
Hexachlorocyclopentadiene
Concen: 95.777 ng
RT: 12.786 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

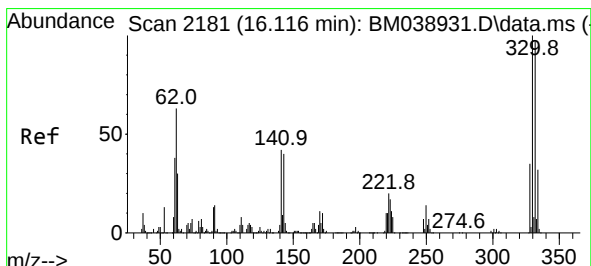
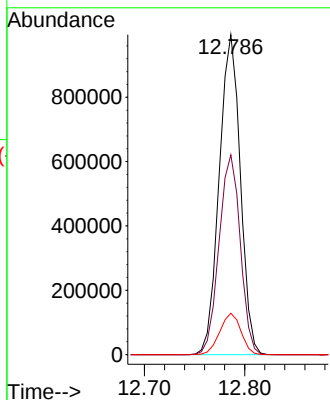
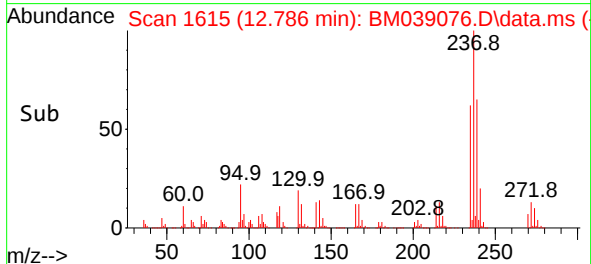
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



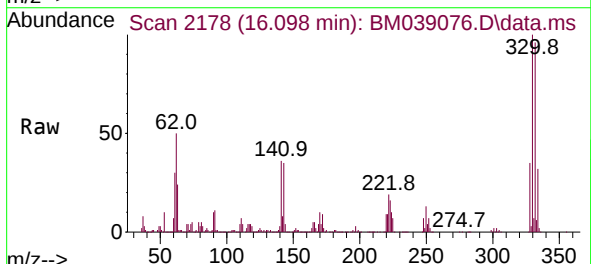
Tgt Ion:237 Resp: 1457226
Ion Ratio Lower Upper
237 100
235 62.4 41.7 81.7
272 12.9 0.0 33.2

Manual Integrations
APPROVED

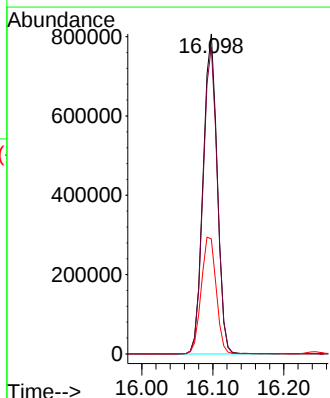
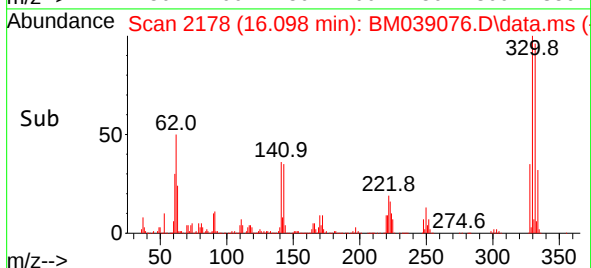
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

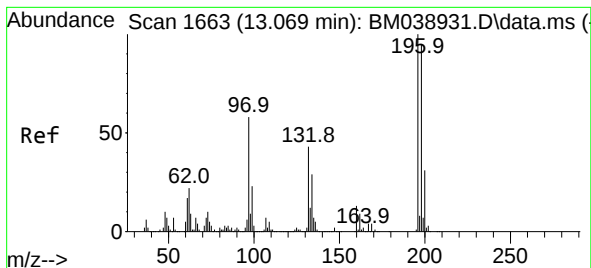


#42
2,4,6-Tribromophenol
Concen: 112.143 ng
RT: 16.098 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36



Tgt Ion:330 Resp: 1106126
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 38.7 32.2 48.4





#43

2,4,6-Trichlorophenol

Concen: 48.352 ng

RT: 13.045 min Scan# 1659

Delta R.T. -0.000 min

Lab File: BM039076.D

Acq: 21 Mar 2023 19:36

Instrument :

BNA_M

ClientSampleId :

IRV-3MS

Tgt Ion:196 Resp: 86788

Ion Ratio Lower Upper

196 100

198 95.9 75.8 113.8

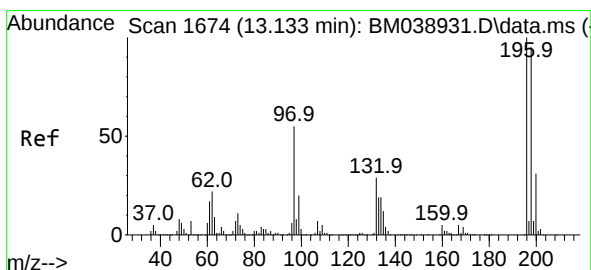
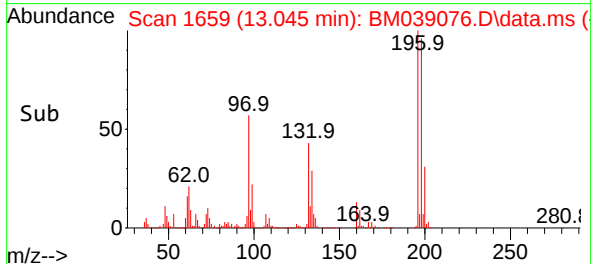
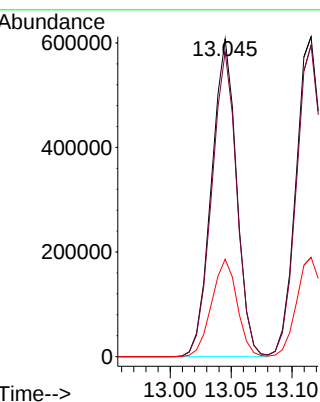
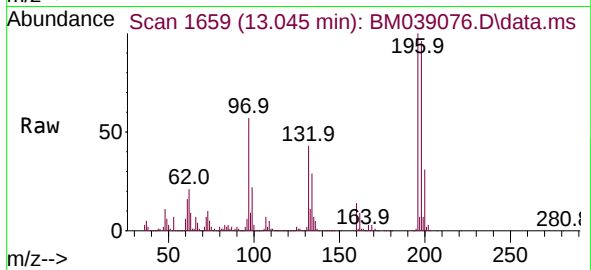
200 30.7 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/22/2023

Supervised By :Jagrut Upadhyay 03/22/2023



#44

2,4,5-Trichlorophenol

Concen: 43.605 ng

RT: 13.116 min Scan# 1671

Delta R.T. -0.000 min

Lab File: BM039076.D

Acq: 21 Mar 2023 19:36

Tgt Ion:196 Resp: 916127

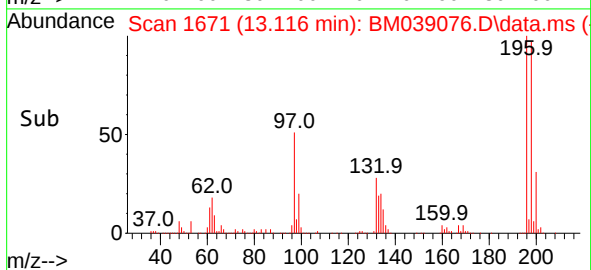
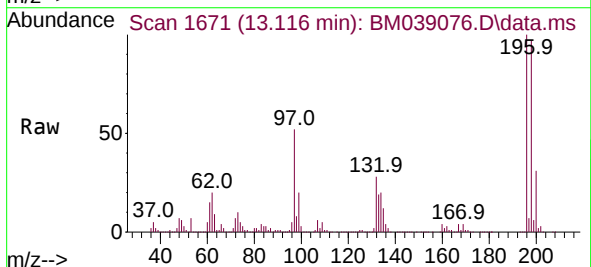
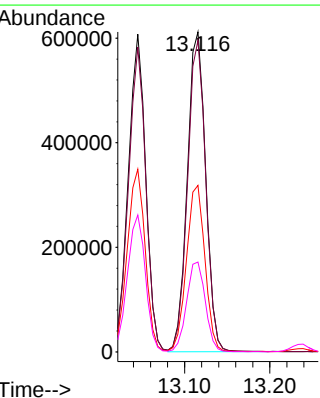
Ion Ratio Lower Upper

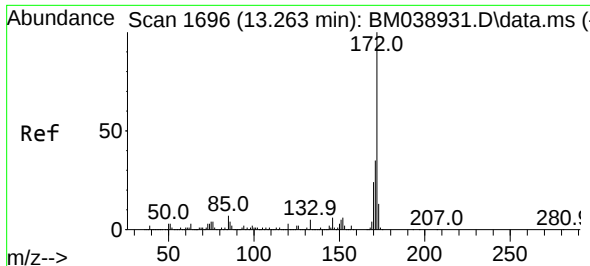
196 100

198 97.3 76.3 114.5

97 52.0 44.2 66.4

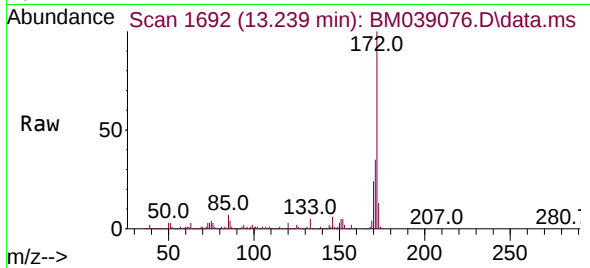
132 28.1 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 70.133 ng
RT: 13.239 min Scan# 1696
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

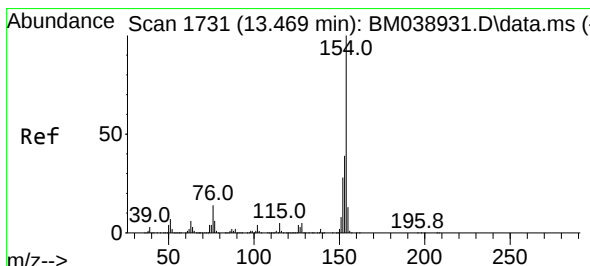
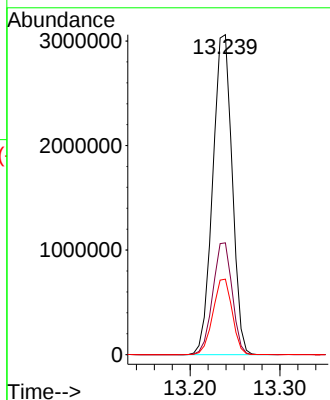
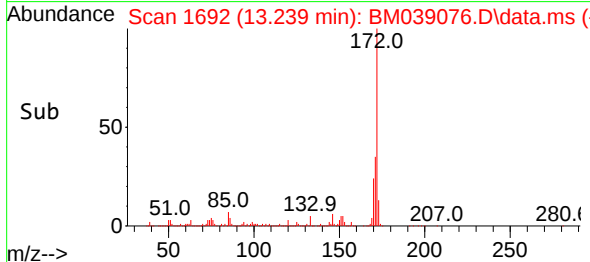
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



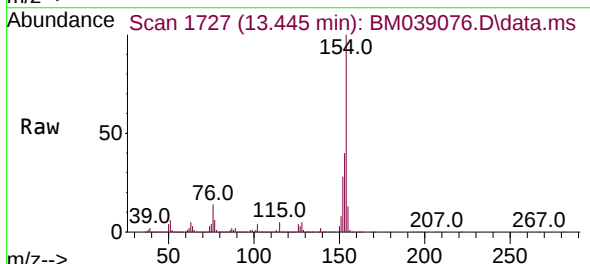
Tgt Ion:172 Resp: 4593405
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.6 19.1 28.7

Manual Integrations
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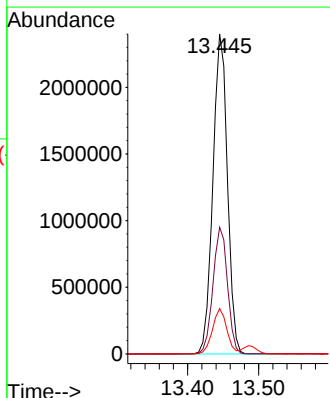
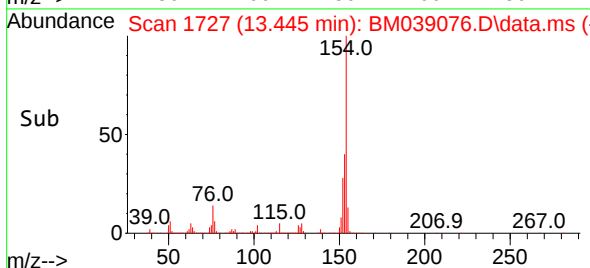
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

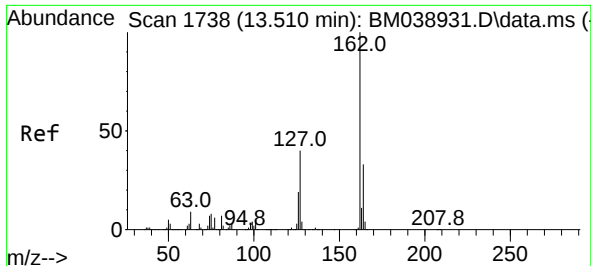


#46
1,1'-Biphenyl
Concen: 47.119 ng
RT: 13.445 min Scan# 1727
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36



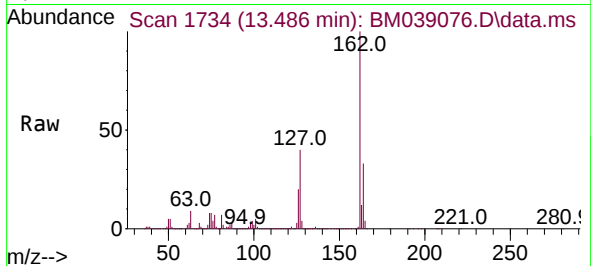
Tgt Ion:154 Resp: 3403542
Ion Ratio Lower Upper
154 100
153 39.6 19.3 59.3
76 14.2 0.0 34.0





#47
2-Chloronaphthalene
Concen: 46.725 ng
RT: 13.486 min Scan# 1734
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

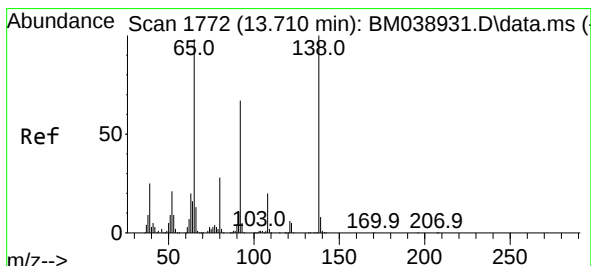
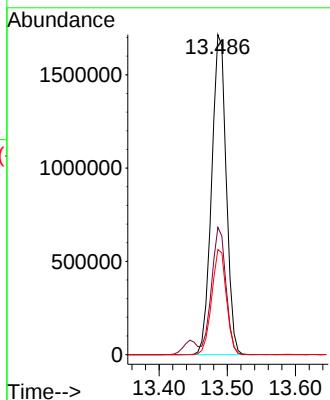
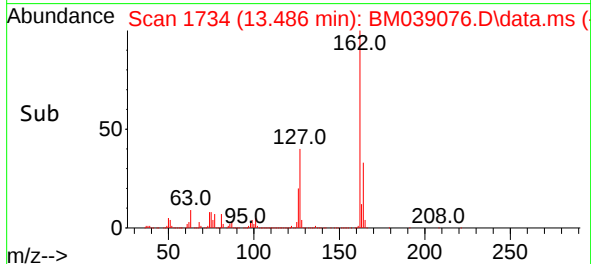
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



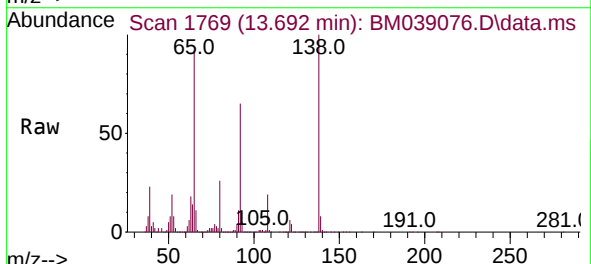
Tgt Ion:162 Resp: 2545014
Ion Ratio Lower Upper
162 100
127 39.8 32.1 48.1
164 32.8 26.2 39.4

Manual Integrations
APPROVED

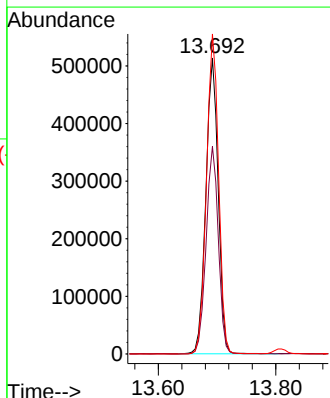
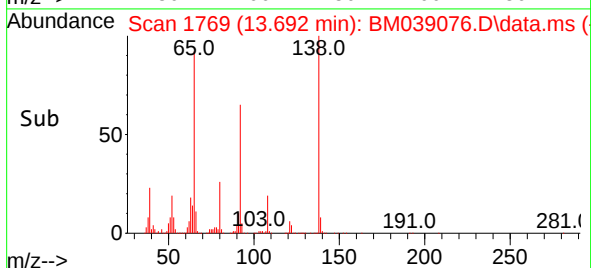
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

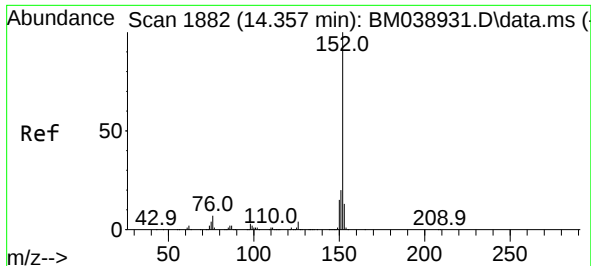


#48
2-Nitroaniline
Concen: 43.062 ng
RT: 13.692 min Scan# 1769
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36



Tgt Ion: 65 Resp: 746793
Ion Ratio Lower Upper
65 100
92 70.1 54.9 82.3
138 108.1 81.6 122.4





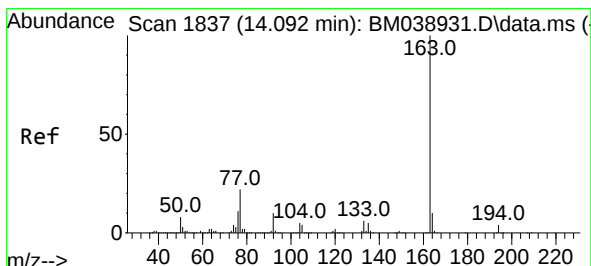
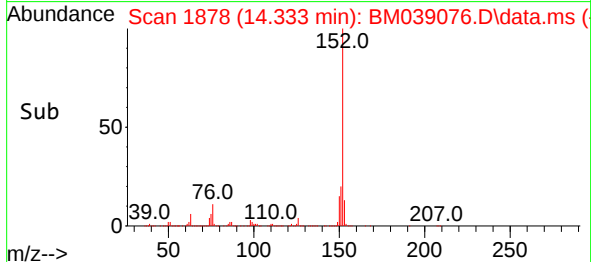
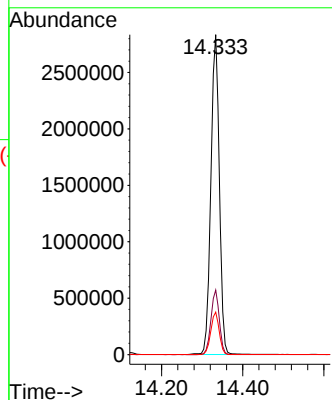
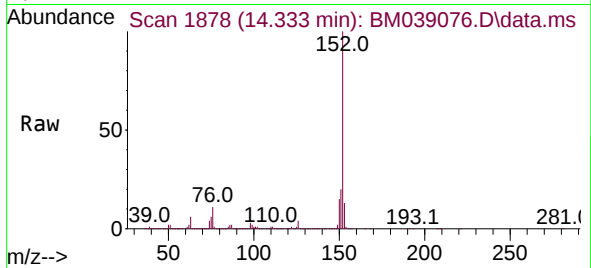
#49
Acenaphthylene
Concen: 47.748 ng
RT: 14.333 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Instrument :
BNA_M
ClientSampleId :
IRV-3MS

Tgt Ion:152 Resp: 4142623
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.8
153 13.3 10.4 15.6

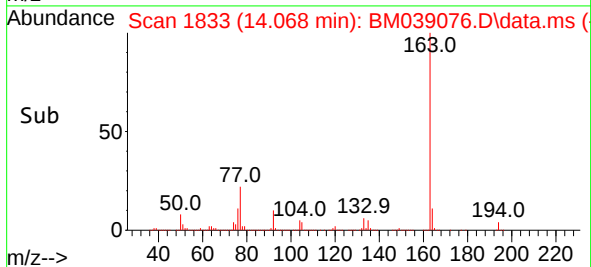
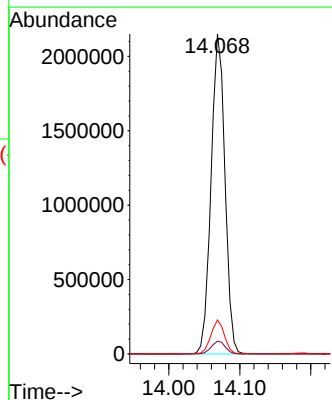
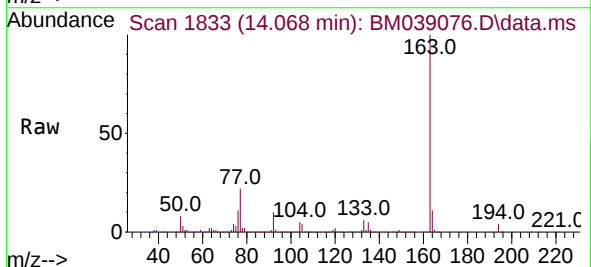
Manual Integrations
APPROVED

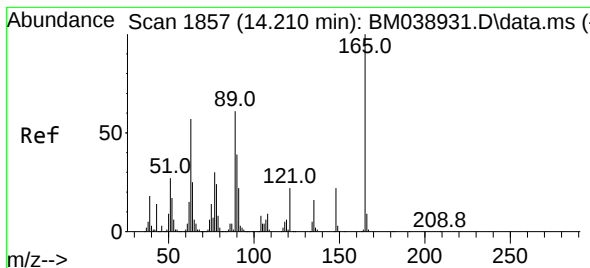
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#50
Dimethylphthalate
Concen: 44.497 ng
RT: 14.068 min Scan# 1833
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

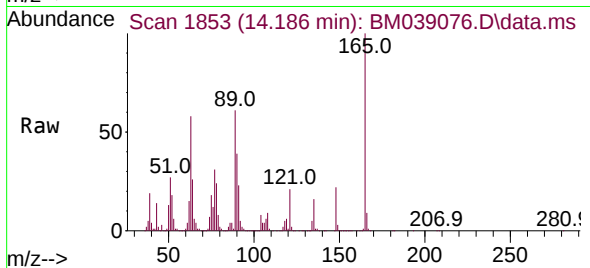
Tgt Ion:163 Resp: 2919404
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.6 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 43.997 ng
RT: 14.186 min Scan# 1853
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

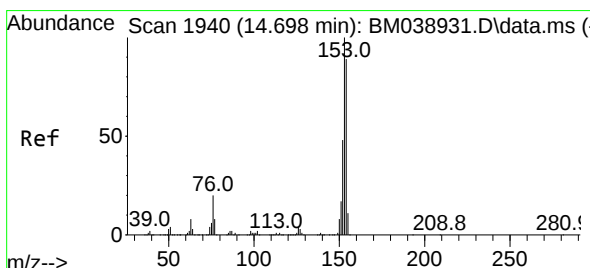
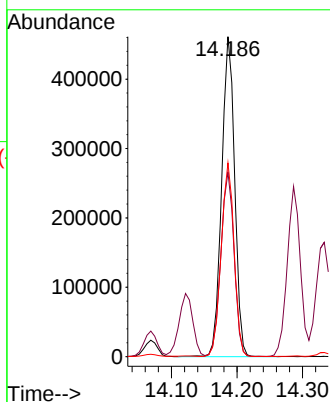
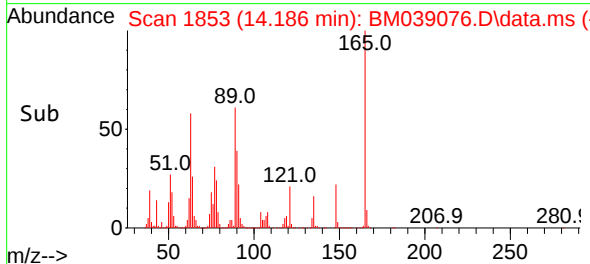
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



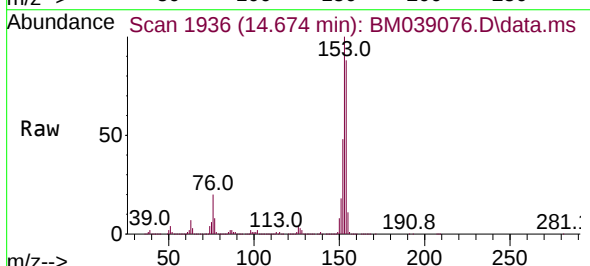
Tgt Ion:165 Resp: 636595
Ion Ratio Lower Upper
165 100
63 57.6 46.6 70.0
89 60.5 48.6 73.0

Manual Integrations
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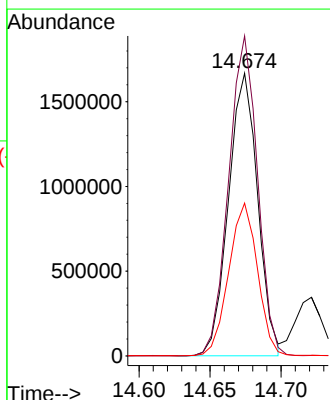
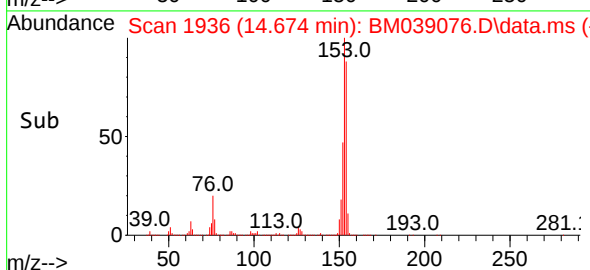
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

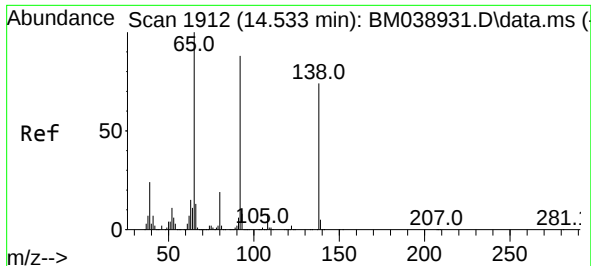


#52
Acenaphthene
Concen: 44.719 ng
RT: 14.674 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36



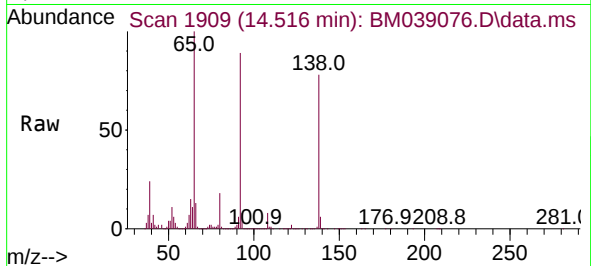
Tgt Ion:154 Resp: 2384375
Ion Ratio Lower Upper
154 100
153 113.2 90.2 135.2
152 54.0 43.4 65.2





#53
3-Nitroaniline
Concen: 30.063 ng
RT: 14.516 min Scan# 1909
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

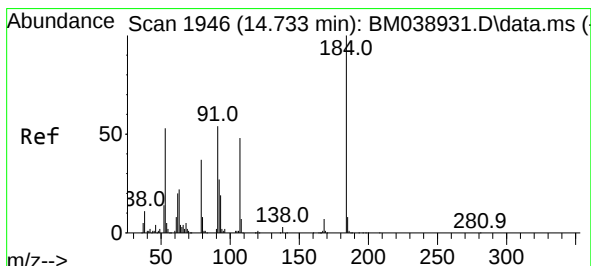
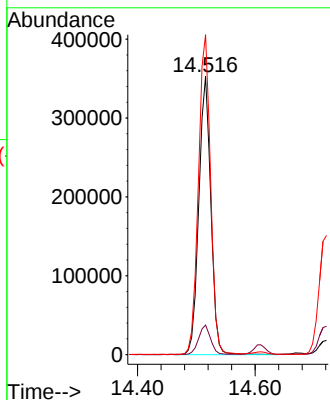
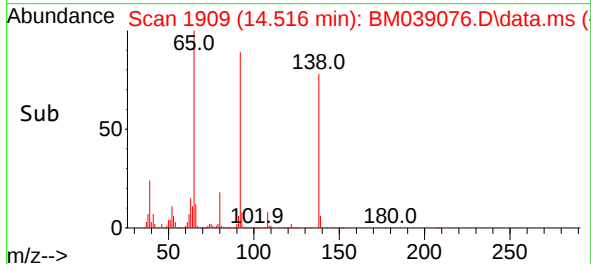
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



Tgt Ion:138 Resp: 499501
Ion Ratio Lower Upper
138 100
108 10.6 8.3 12.5
92 115.0 95.8 143.8

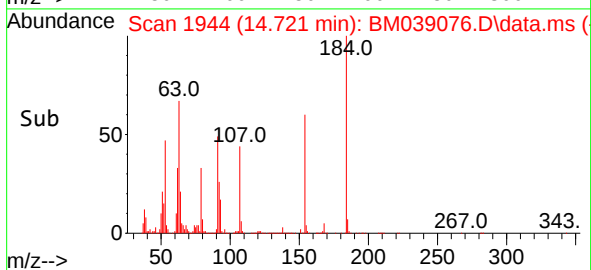
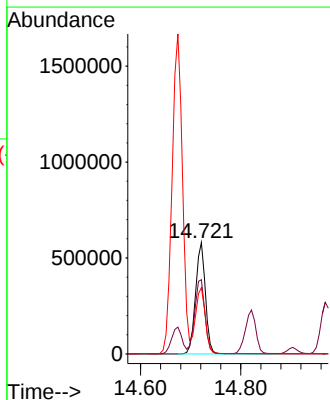
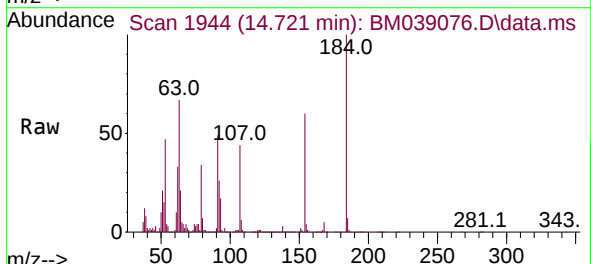
Manual Integrations
APPROVED

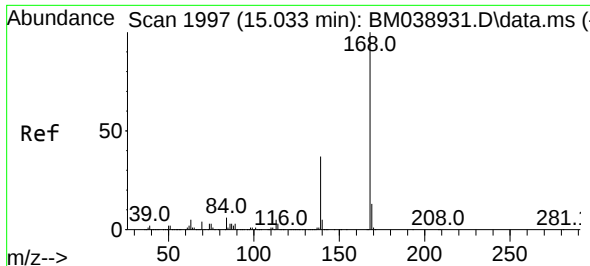
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#54
2,4-Dinitrophenol
Concen: 93.363 ng
RT: 14.721 min Scan# 1944
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

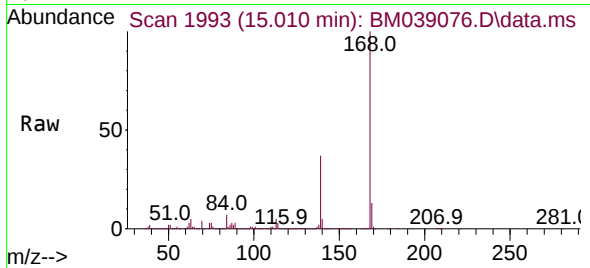
Tgt Ion:184 Resp: 786353
Ion Ratio Lower Upper
184 100
63 66.6 60.6 90.8
154 59.5 51.4 77.2





#55
Dibenzofuran
Concen: 43.341 ng
RT: 15.010 min Scan# 1993
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

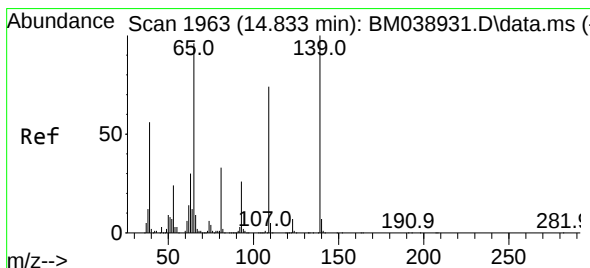
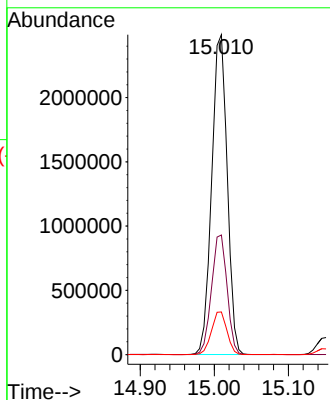
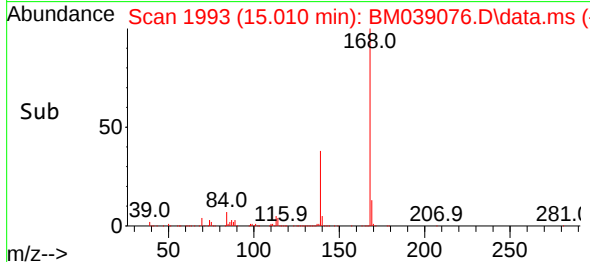
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



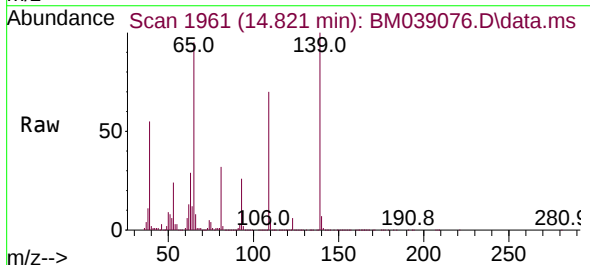
Tgt Ion:168 Resp: 3616274
Ion Ratio Lower Upper
168 100
139 37.4 29.9 44.9
169 13.3 10.7 16.1

Manual Integrations
APPROVED

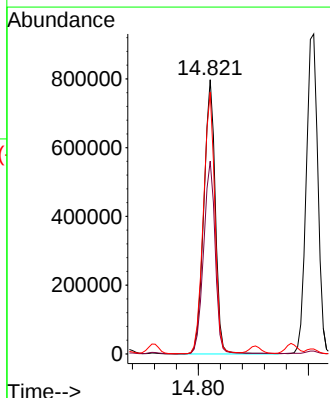
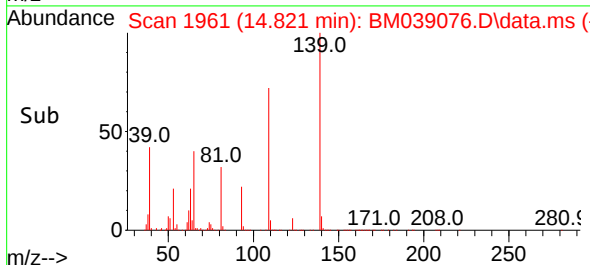
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

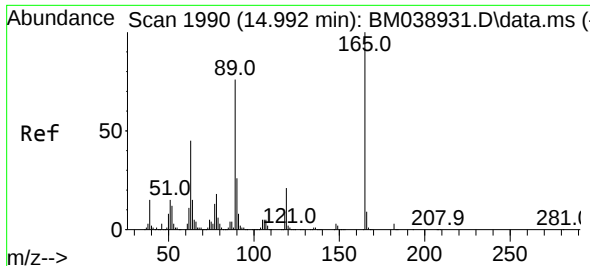


#56
4-Nitrophenol
Concen: 88.350 ng
RT: 14.821 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36



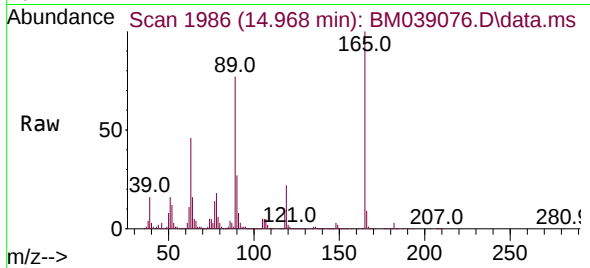
Tgt Ion:139 Resp: 1151211
Ion Ratio Lower Upper
139 100
109 70.3 53.5 93.5
65 95.5 76.4 116.4





#57
2,4-Dinitrotoluene
Concen: 43.185 ng
RT: 14.968 min Scan# 1990
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

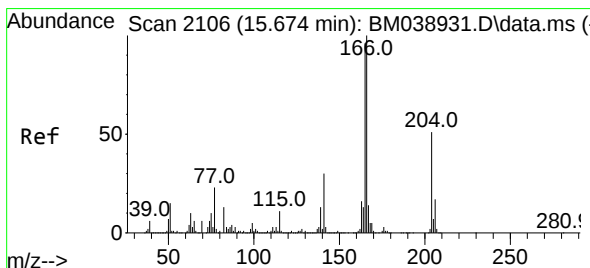
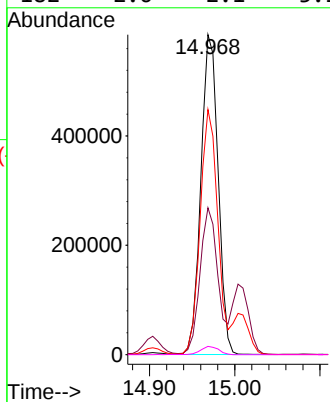
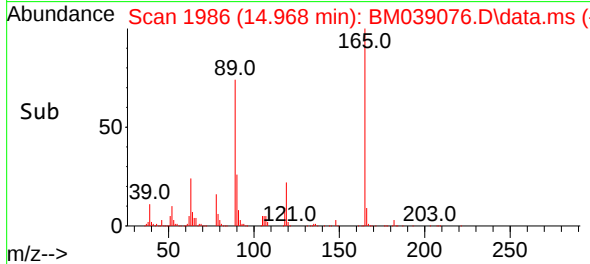
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



Tgt Ion:165 Resp: 820465
Ion Ratio Lower Upper
165 100
63 45.9 35.9 53.9
89 76.6 61.0 91.6
182 2.6 2.1 3.1

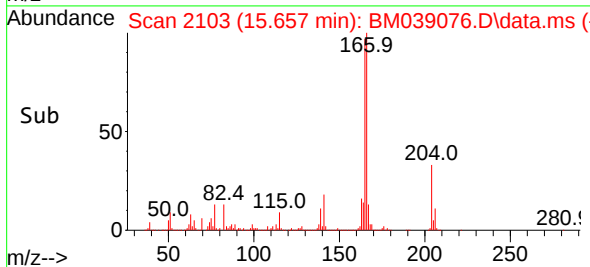
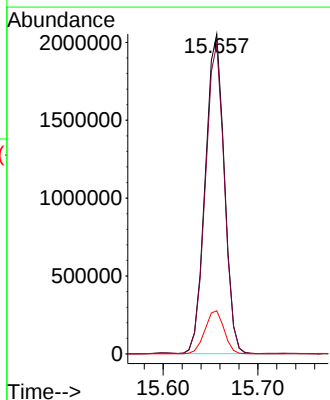
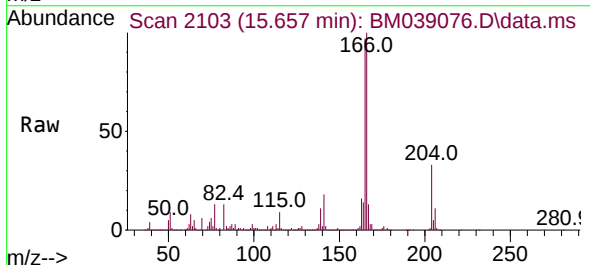
Manual Integrations
APPROVED

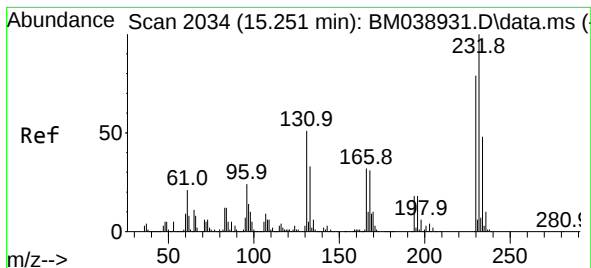
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#58
Fluorene
Concen: 43.838 ng
RT: 15.657 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

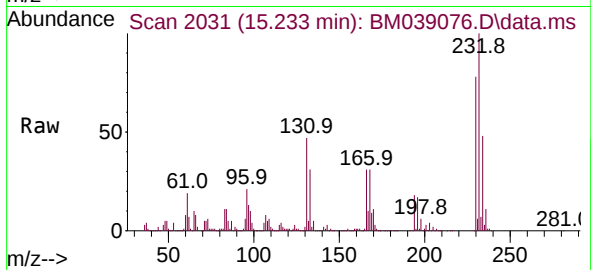
Tgt Ion:166 Resp: 2865196
Ion Ratio Lower Upper
166 100
165 96.9 77.1 115.7
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.685 ng
RT: 15.233 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

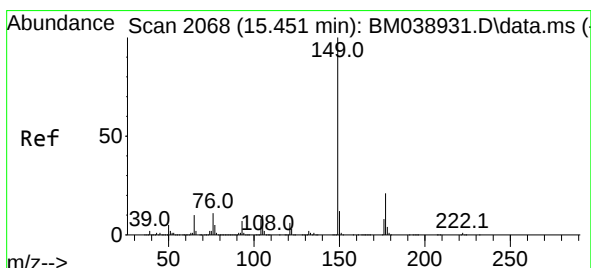
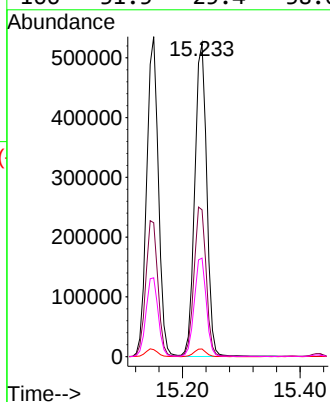
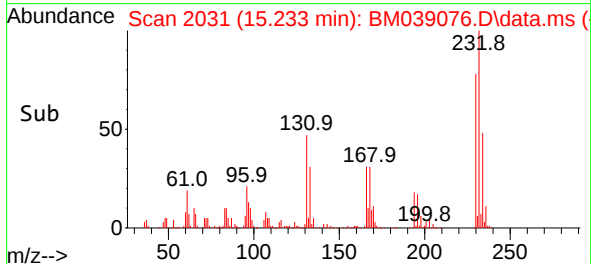
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



Tgt Ion:232 Resp: 740238
Ion Ratio Lower Upper
232 100
131 48.6 40.0 60.0
130 2.5 2.0 3.0
166 31.5 25.4 38.0

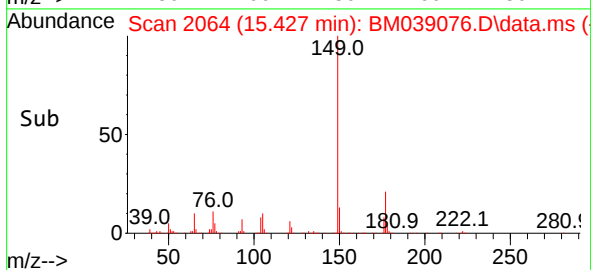
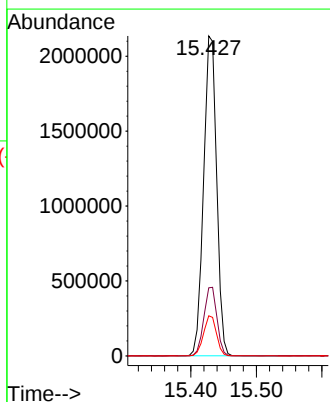
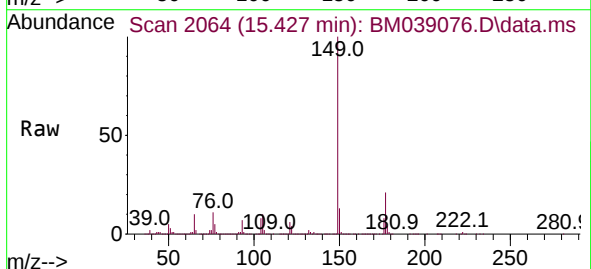
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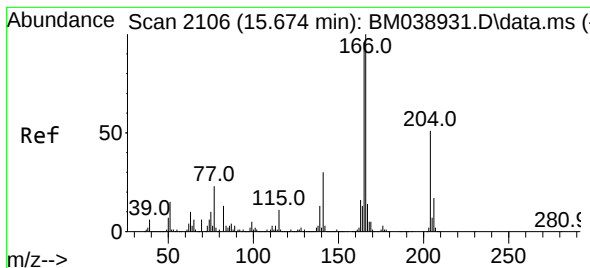
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#60
Diethylphthalate
Concen: 45.895 ng
RT: 15.427 min Scan# 2064
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

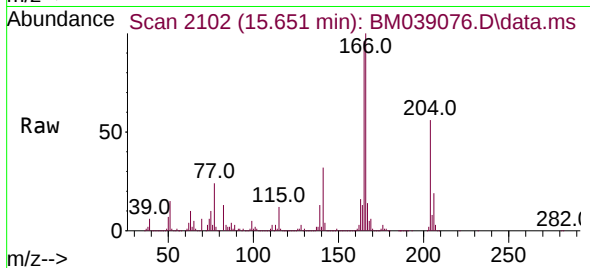
Tgt Ion:149 Resp: 2929816
Ion Ratio Lower Upper
149 100
177 21.3 17.1 25.7
150 12.6 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 44.352 ng
RT: 15.651 min Scan# 2102
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

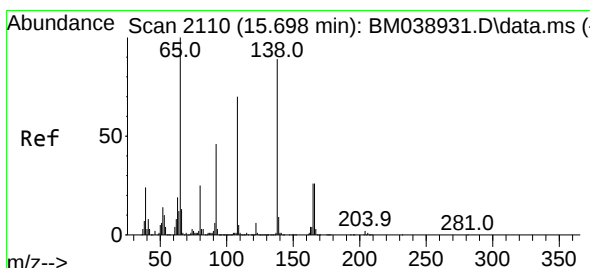
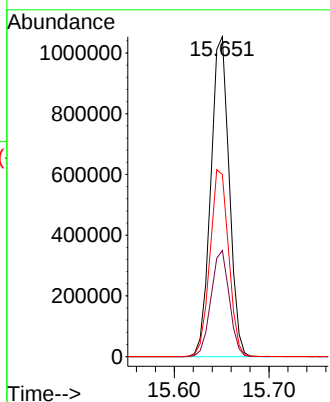
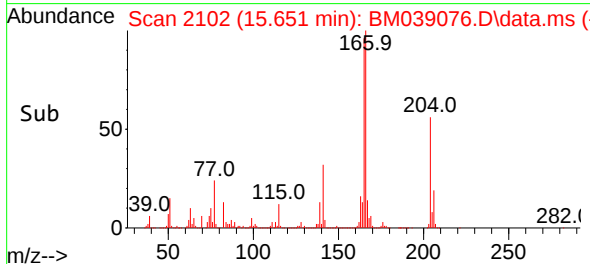
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



Tgt Ion:204 Resp: 1424084
Ion Ratio Lower Upper
204 100
206 33.2 26.4 39.6
141 56.9 46.4 69.6

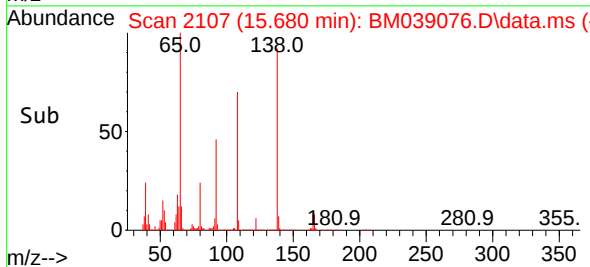
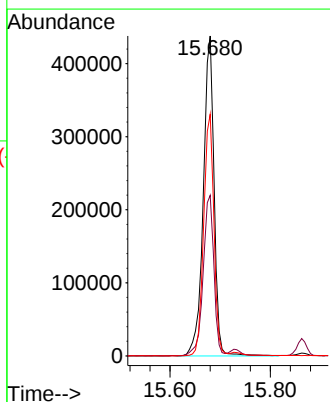
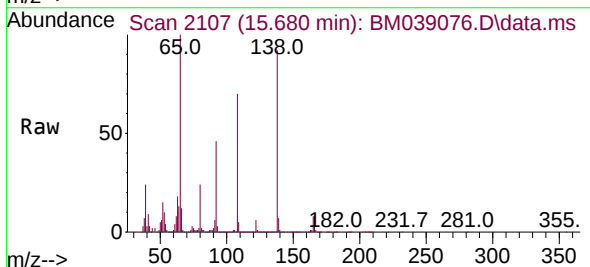
Manual Integrations
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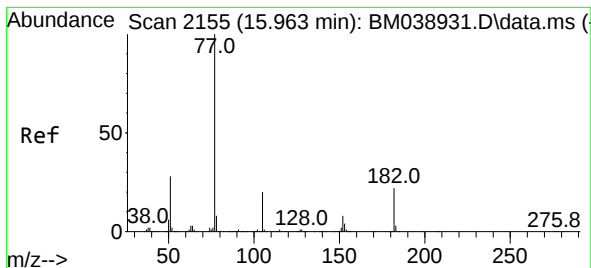
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#62
4-Nitroaniline
Concen: 38.353 ng
RT: 15.680 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Tgt Ion:138 Resp: 655857
Ion Ratio Lower Upper
138 100
92 50.2 31.6 71.6
108 75.5 58.6 98.6





#63

Azobenzene

Concen: 48.821 ng

RT: 15.939 min Scan# 2151

Delta R.T. -0.000 min

Lab File: BM039076.D

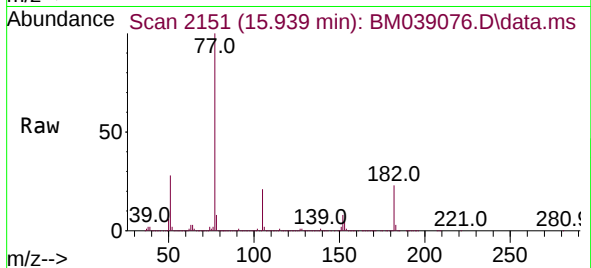
Acq: 21 Mar 2023 19:36

Instrument :

BNA_M

ClientSampleId :

IRV-3MS



Tgt Ion: 77 Resp: 3297746

Ion Ratio Lower Upper

77 100

182 22.8 2.0 42.0

105 21.2 0.4 40.4

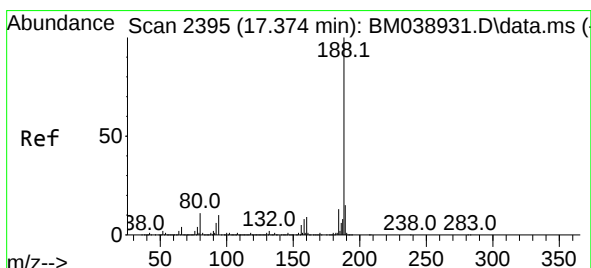
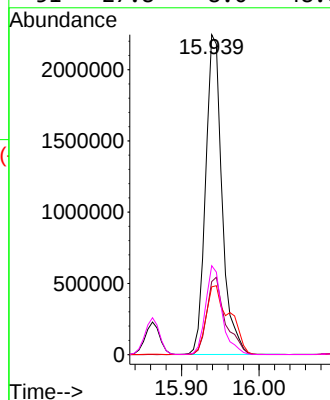
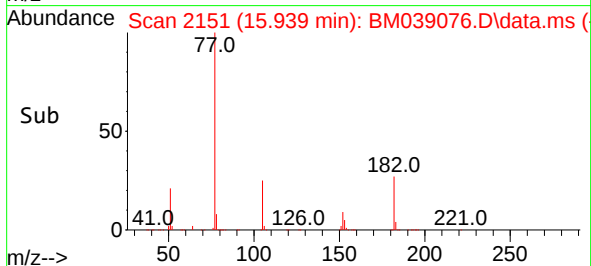
51 27.8 8.0 48.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/22/2023

Supervised By :Jagrut Upadhyay 03/22/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.351 min Scan# 2391

Delta R.T. -0.000 min

Lab File: BM039076.D

Acq: 21 Mar 2023 19:36

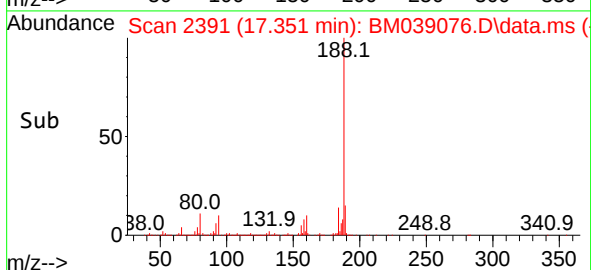
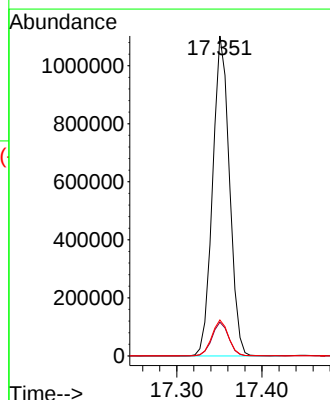
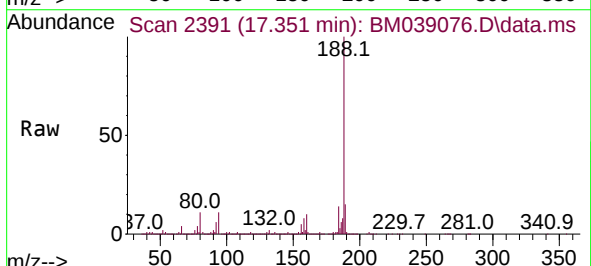
Tgt Ion:188 Resp: 1510148

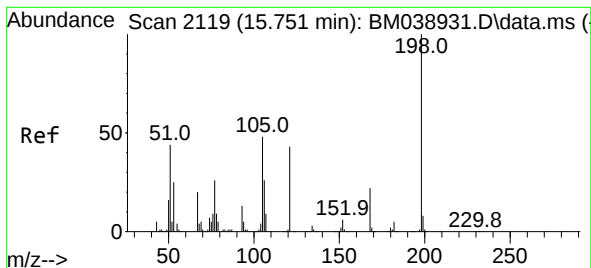
Ion Ratio Lower Upper

188 100

94 10.5 7.9 11.9

80 11.2 8.5 12.7





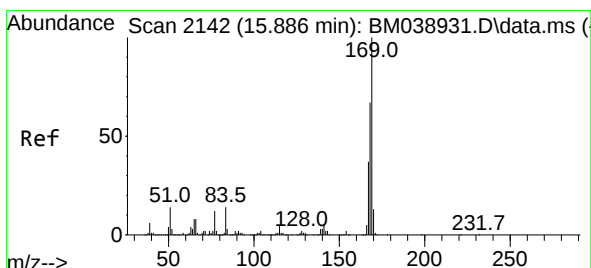
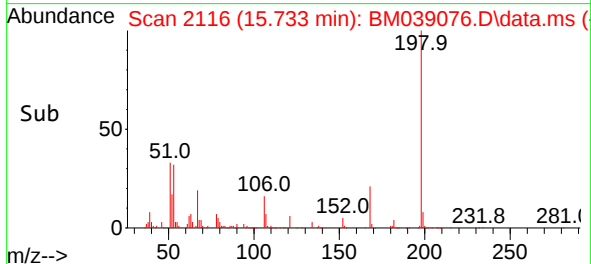
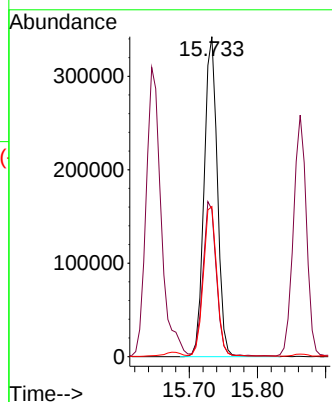
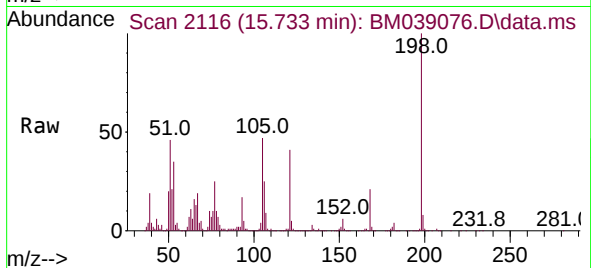
#65
4,6-Dinitro-2-methylphenol
Concen: 46.585 ng
RT: 15.733 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Instrument :
BNA_M
ClientSampleId :
IRV-3MS

Tgt Ion:198 Resp: 460651
Ion Ratio Lower Upper
198 100
51 46.0 30.1 70.1
105 46.9 29.3 69.3

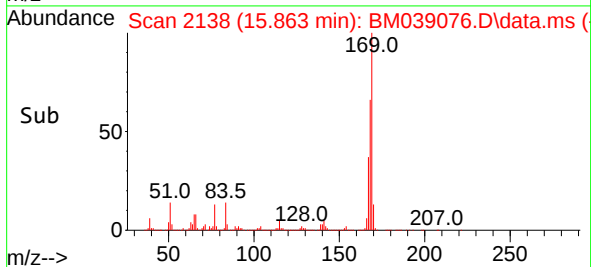
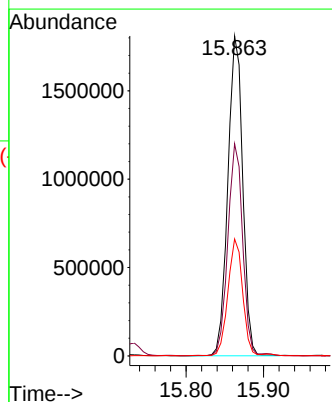
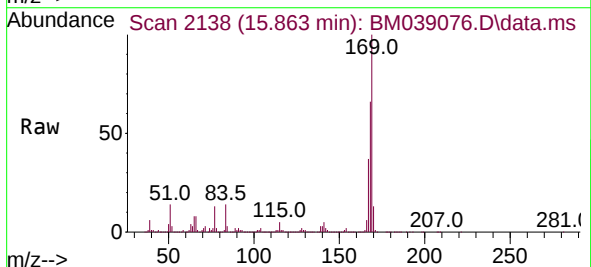
Manual Integrations
APPROVED

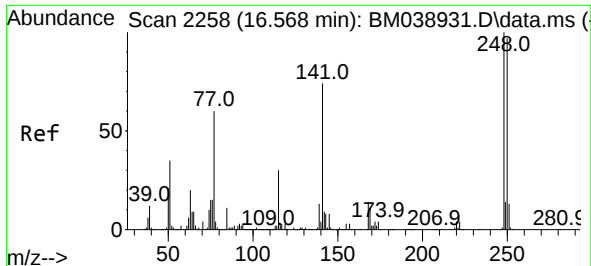
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#66
n-Nitrosodiphenylamine
Concen: 47.392 ng
RT: 15.863 min Scan# 2138
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

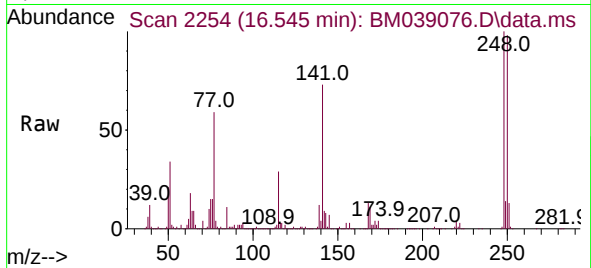
Tgt Ion:169 Resp: 2412751
Ion Ratio Lower Upper
169 100
168 66.3 53.4 80.0
167 36.5 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 49.777 ng
RT: 16.545 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

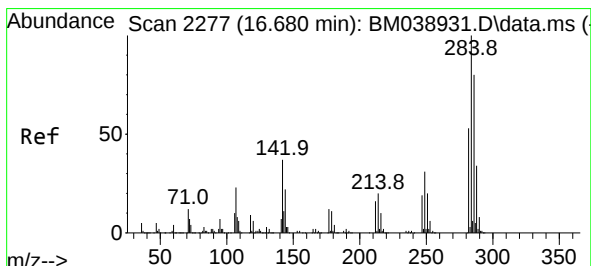
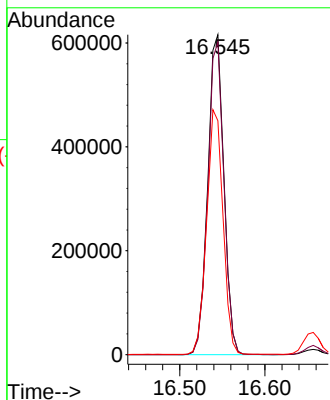
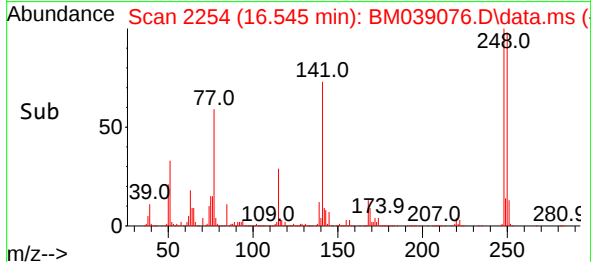
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



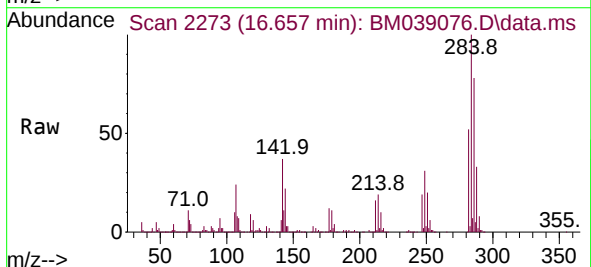
Tgt Ion:248 Resp: 811924
Ion Ratio Lower Upper
248 100
250 97.7 77.8 116.8
141 73.1 59.0 88.4

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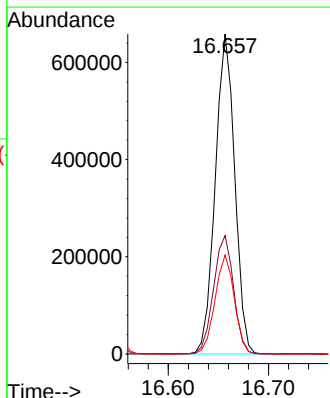
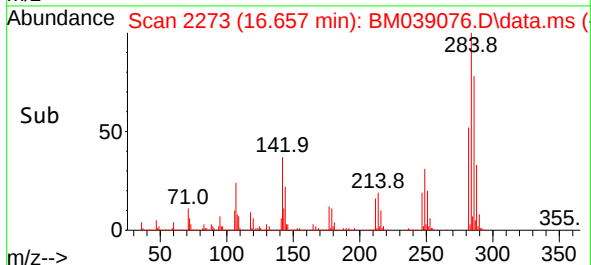
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

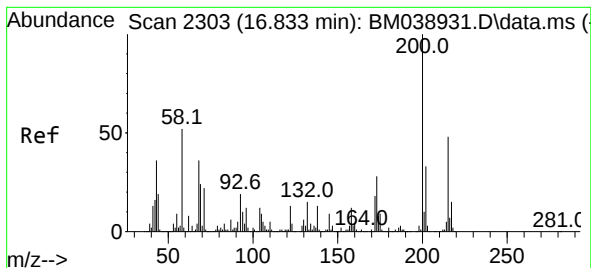


#68
Hexachlorobenzene
Concen: 48.739 ng
RT: 16.657 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36



Tgt Ion:284 Resp: 888717
Ion Ratio Lower Upper
284 100
142 37.0 29.5 44.3
249 30.9 25.0 37.4





#69

Atrazine

Concen: 53.216 ng

RT: 16.815 min Scan# 2303

Delta R.T. -0.000 min

Lab File: BM039076.D

Acq: 21 Mar 2023 19:36

Instrument :

BNA_M

ClientSampleId :

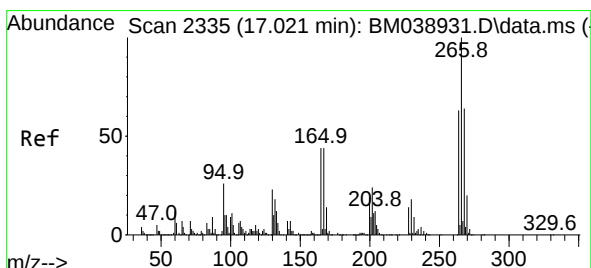
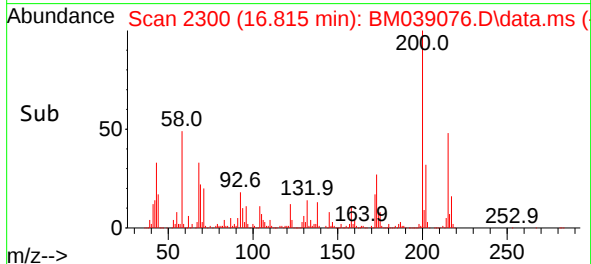
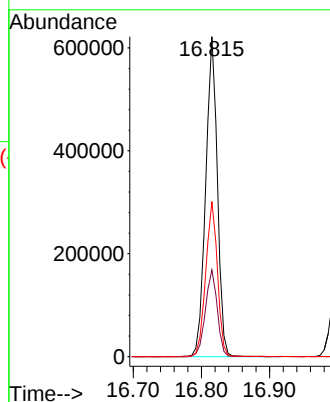
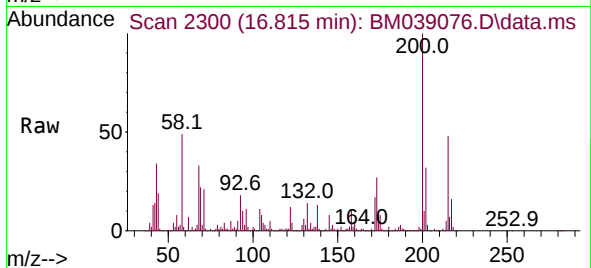
IRV-3MS

Tgt Ion:200 Resp: 740016
 Ion Ratio Lower Upper
 200 100
 173 27.1 8.2 48.2
 215 48.5 27.8 67.8

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Reviewed By :Christian Giraldo 03/22/2023
 Supervised By :Jagrut Upadhyay 03/22/2023



#70

Pentachlorophenol

Concen: 83.654 ng

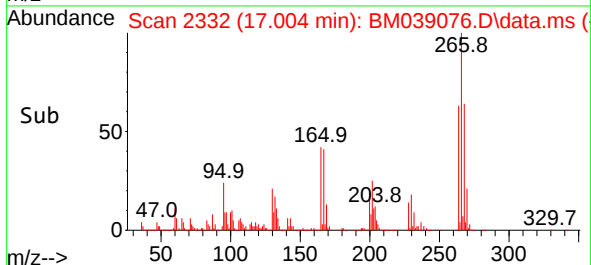
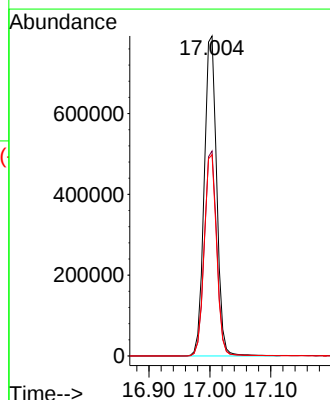
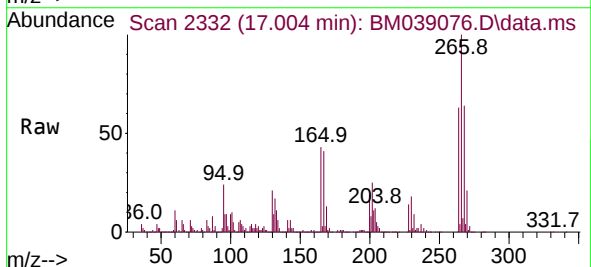
RT: 17.004 min Scan# 2332

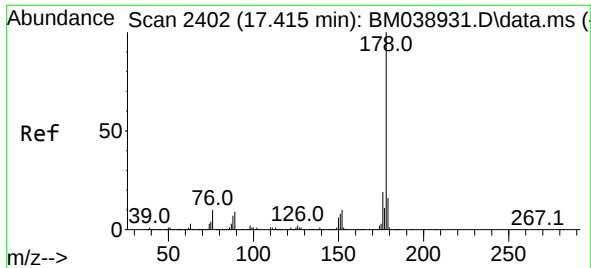
Delta R.T. 0.006 min

Lab File: BM039076.D

Acq: 21 Mar 2023 19:36

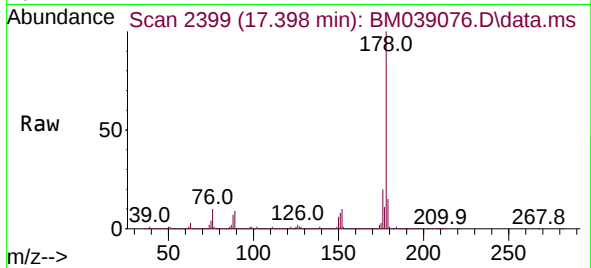
Tgt Ion:266 Resp: 1121912
 Ion Ratio Lower Upper
 266 100
 268 64.0 51.0 76.4
 264 62.9 50.3 75.5





#71
Phenanthrene
Concen: 50.205 ng
RT: 17.398 min Scan# 2399
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

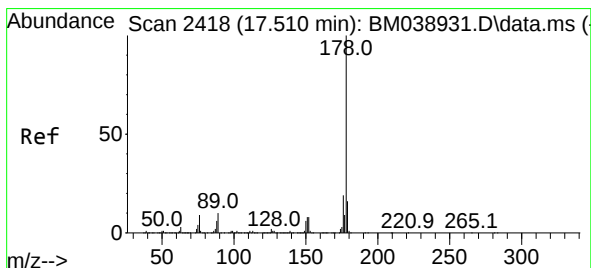
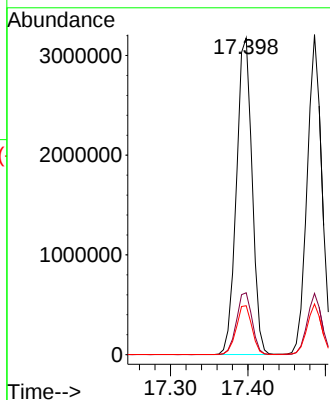
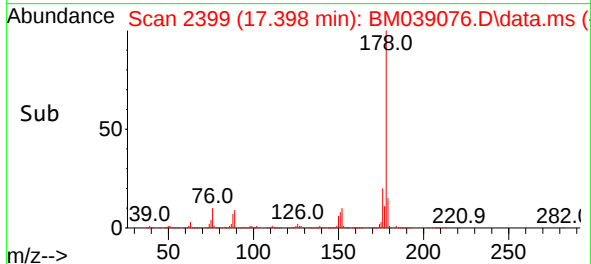
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



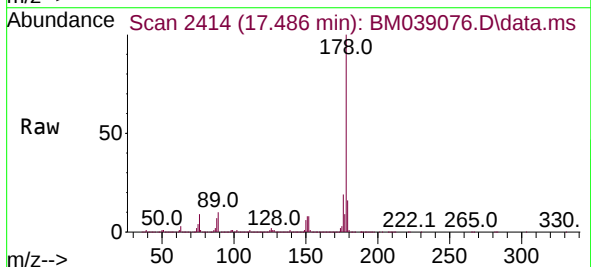
Tgt Ion:178 Resp: 4449777
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.4 12.5 18.7

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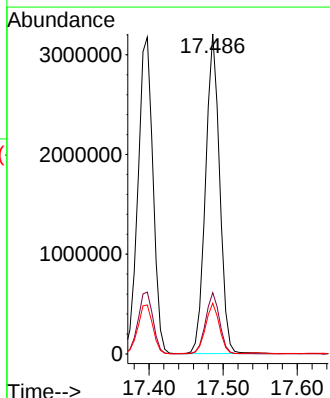
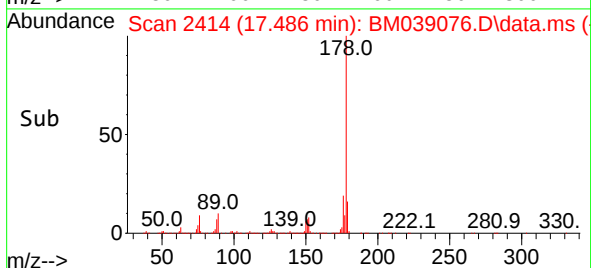
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

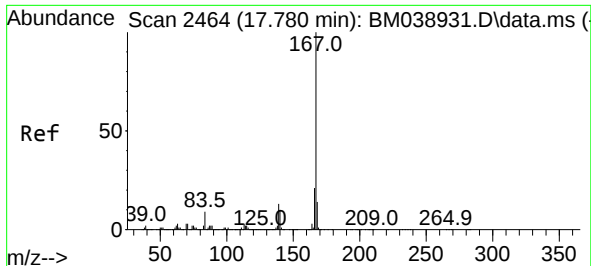


#72
Anthracene
Concen: 47.790 ng
RT: 17.486 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36



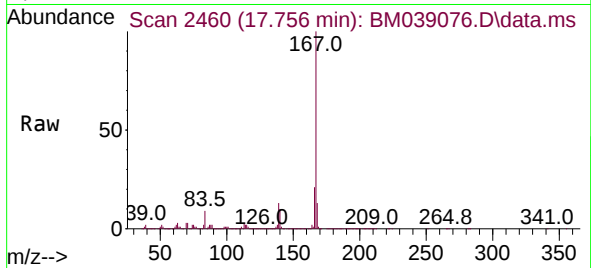
Tgt Ion:178 Resp: 4224056
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.8 12.5 18.7





#73
 Carbazole
 Concen: 44.741 ng
 RT: 17.756 min Scan# 2460
 Delta R.T. -0.000 min
 Lab File: BM039076.D
 Acq: 21 Mar 2023 19:36

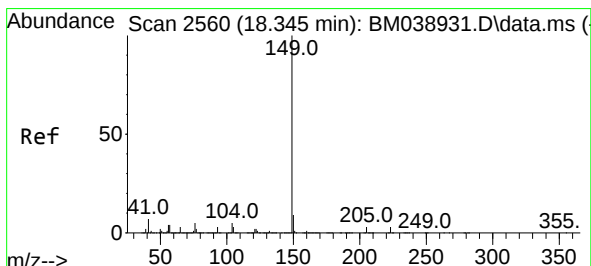
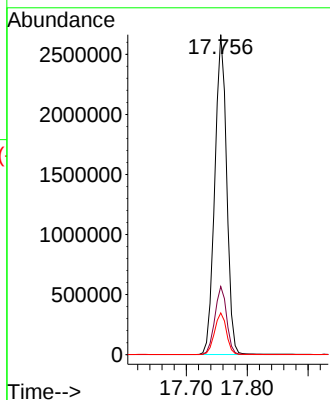
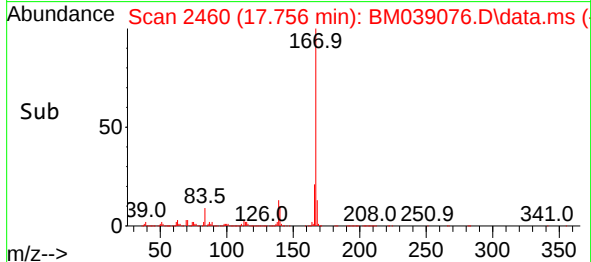
Instrument :
 BNA_M
 ClientSampleId :
 IRV-3MS



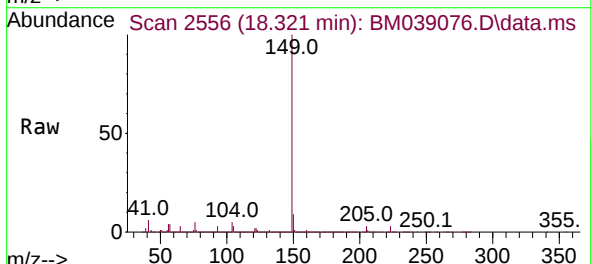
Tgt Ion:167 Resp: 3609178
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.0 25.4
 139 13.0 10.3 15.5

Manual Integrations
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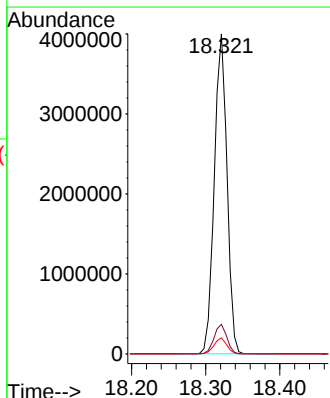
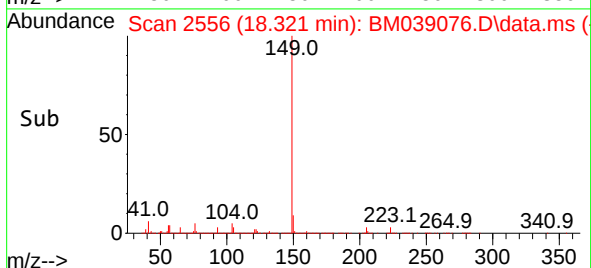
Reviewed By :Christian Giraldo 03/22/2023
 Supervised By :Jagrut Upadhyay 03/22/2023

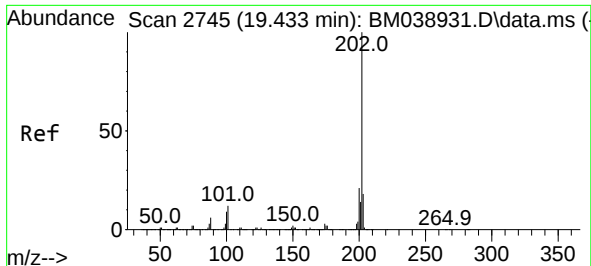


#74
 Di-n-butylphthalate
 Concen: 48.334 ng
 RT: 18.321 min Scan# 2556
 Delta R.T. -0.000 min
 Lab File: BM039076.D
 Acq: 21 Mar 2023 19:36



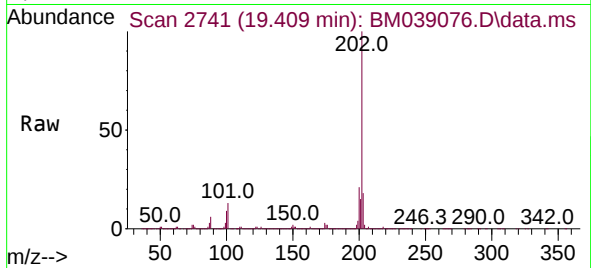
Tgt Ion:149 Resp: 4756904
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 5.1 4.3 6.5





#75
Fluoranthene
Concen: 61.487 ng
RT: 19.409 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

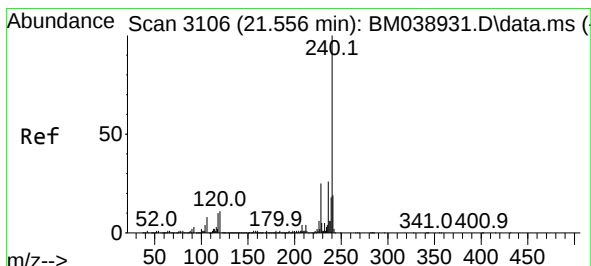
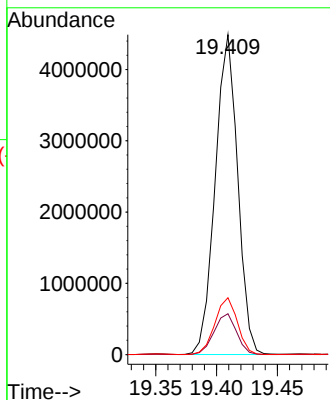
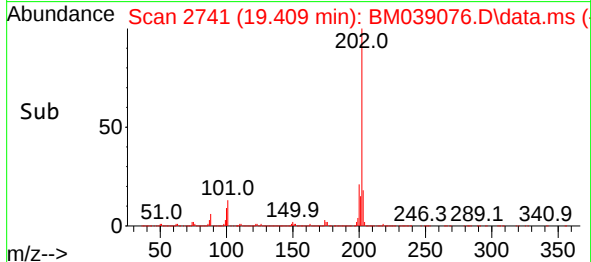
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



Tgt Ion:202 Resp: 5754018
Ion Ratio Lower Upper
202 100
101 12.8 0.0 31.7
203 17.8 0.0 37.6

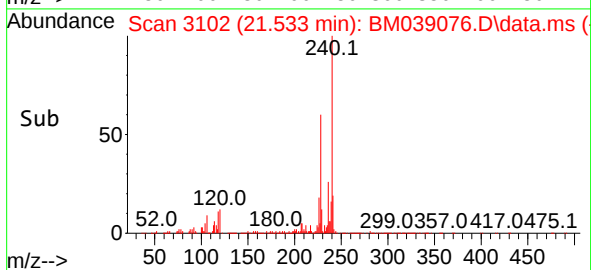
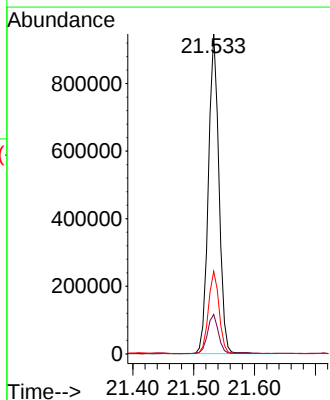
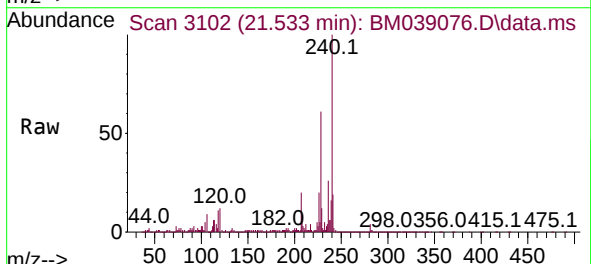
Manual Integrations
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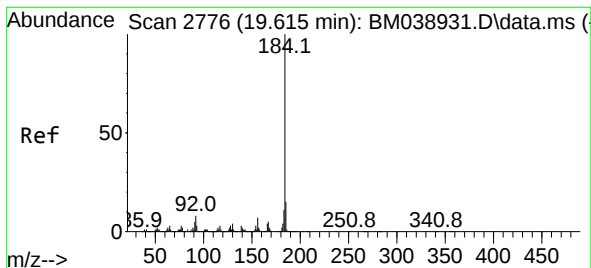
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.533 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Tgt Ion:240 Resp: 1138890
Ion Ratio Lower Upper
240 100
120 12.3 9.2 13.8
236 25.8 20.8 31.2





#77

Benzidine

Concen: 59.204 ng

RT: 19.592 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039076.D

Acq: 21 Mar 2023 19:36

Instrument :

BNA_M

ClientSampleId :

IRV-3MS

Tgt Ion:184 Resp: 156984

Ion Ratio Lower Upper

184 100

185 14.6 12.2 18.4

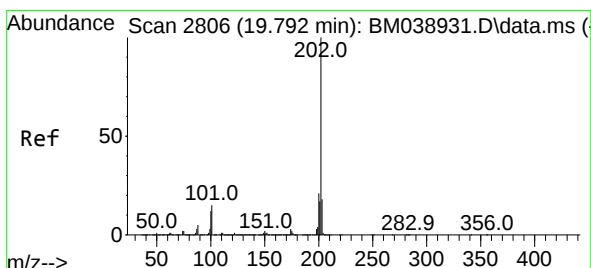
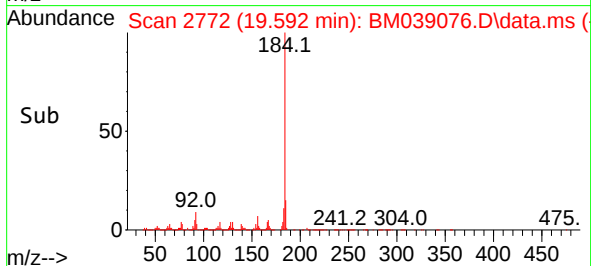
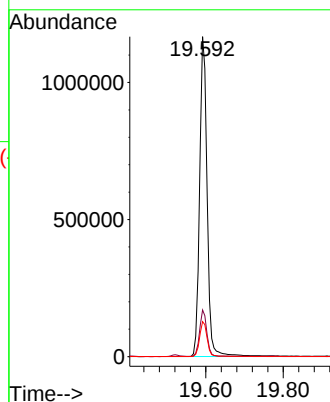
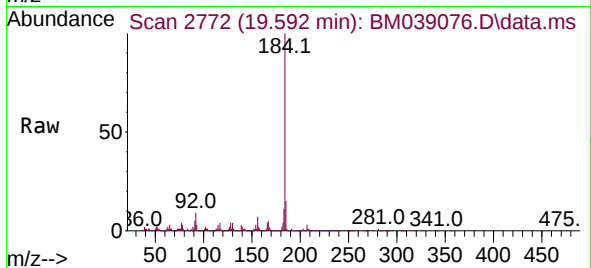
183 10.9 8.8 13.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/22/2023

Supervised By :Jagrut Upadhyay 03/22/2023



#78

Pyrene

Concen: 68.972 ng

RT: 19.774 min Scan# 2803

Delta R.T. 0.006 min

Lab File: BM039076.D

Acq: 21 Mar 2023 19:36

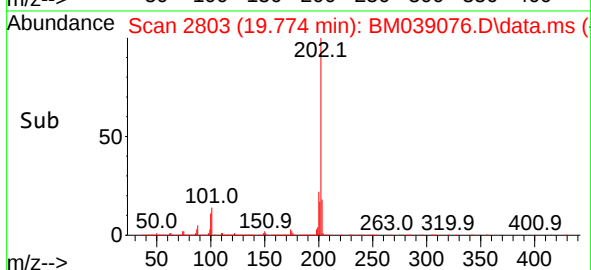
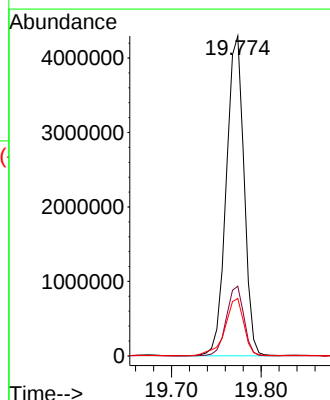
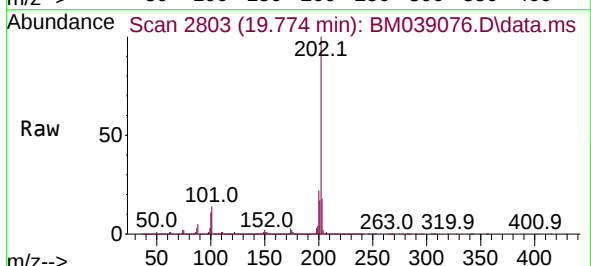
Tgt Ion:202 Resp: 5899877

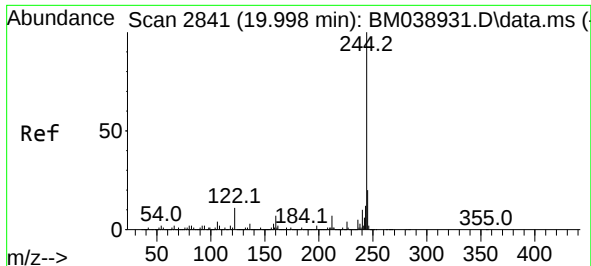
Ion Ratio Lower Upper

202 100

200 21.8 17.1 25.7

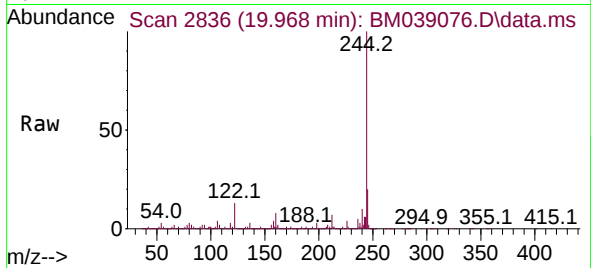
203 18.0 14.1 21.1





#79
Terphenyl-d14
Concen: 75.043 ng
RT: 19.968 min Scan# 2841
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

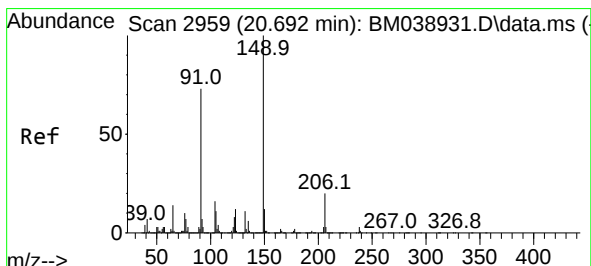
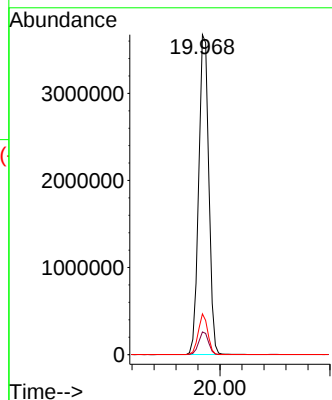
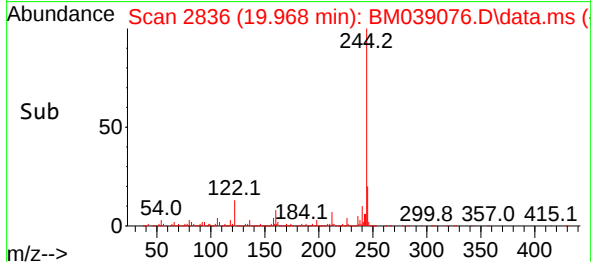
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



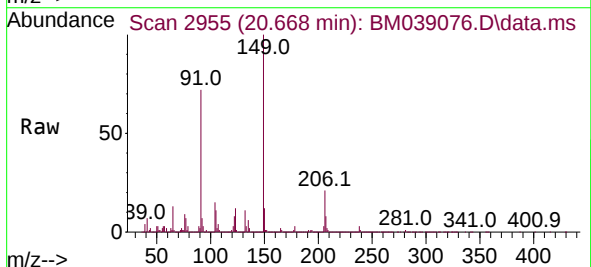
Tgt Ion:244 Resp: 4674527
Ion Ratio Lower Upper
244 100
212 7.1 5.5 8.3
122 12.7 9.0 13.4

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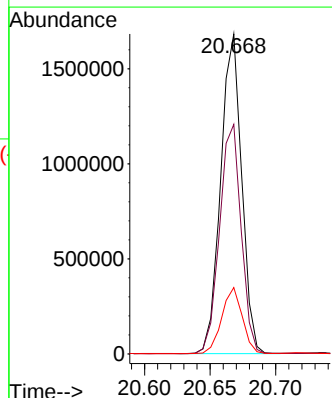
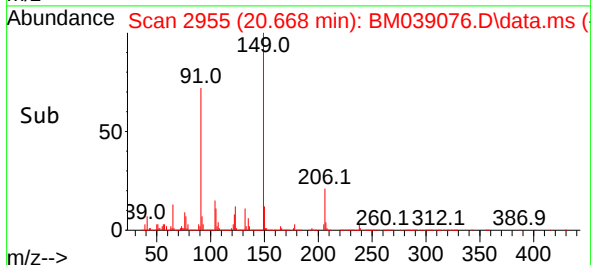
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

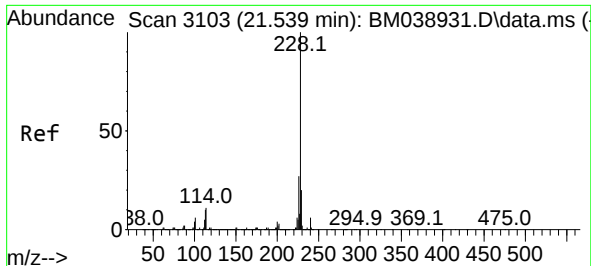


#80
Butylbenzylphthalate
Concen: 51.278 ng
RT: 20.668 min Scan# 2955
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36



Tgt Ion:149 Resp: 1873927
Ion Ratio Lower Upper
149 100
91 71.7 58.4 87.6
206 20.7 16.1 24.1





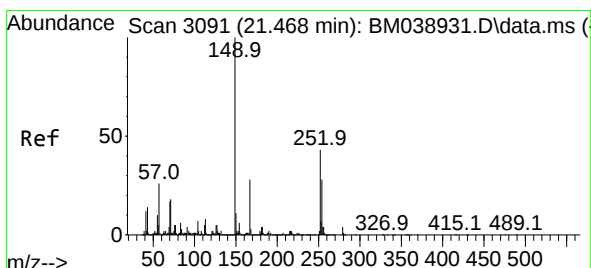
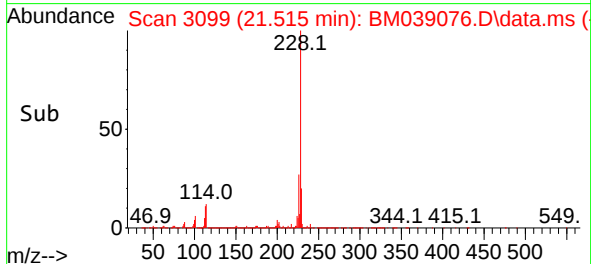
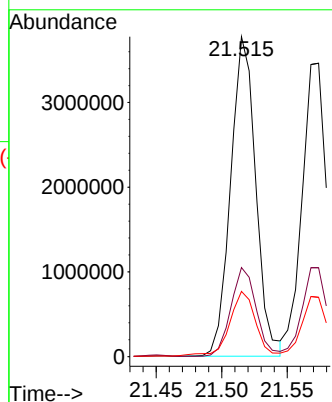
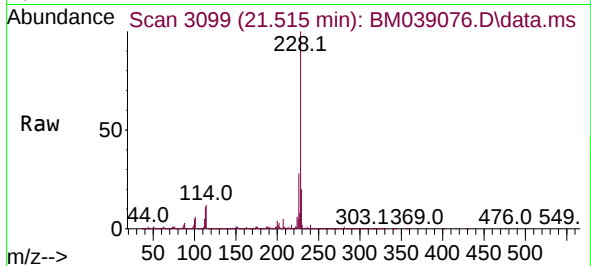
#81
Benzo(a)anthracene
Concen: 61.297 ng
RT: 21.515 min Scan# 3099
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Instrument :
BNA_M
ClientSampleId :
IRV-3MS

Tgt Ion:228 Resp: 5027400
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.2
229 20.4 15.7 23.5

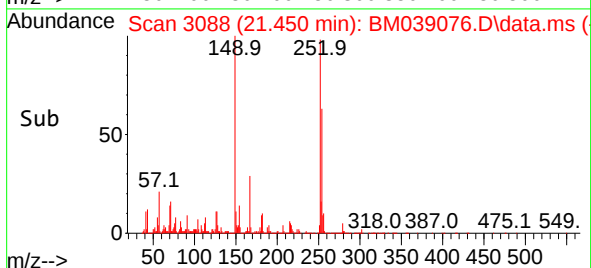
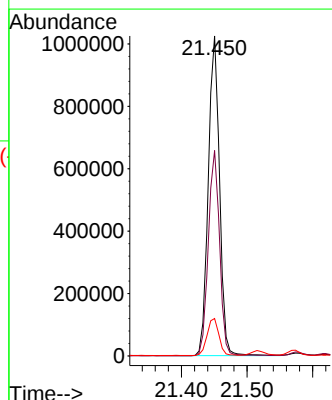
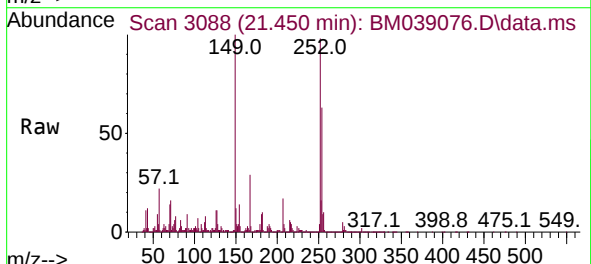
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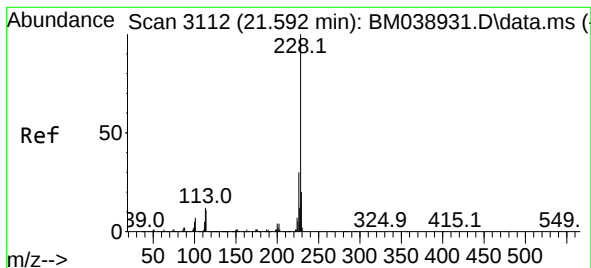
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#82
3,3'-Dichlorobenzidine
Concen: 48.349 ng
RT: 21.450 min Scan# 3088
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Tgt Ion:252 Resp: 1218738
Ion Ratio Lower Upper
252 100
254 64.2 51.5 77.3
126 11.7 9.9 14.9





#83

Chrysene

Concen: 57.141 ng

RT: 21.574 min Scan# 3112

Delta R.T. 0.006 min

Lab File: BM039076.D

Acq: 21 Mar 2023 19:36

Instrument :

BNA_M

ClientSampleId :

IRV-3MS

Tgt Ion:228 Resp: 4558068

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

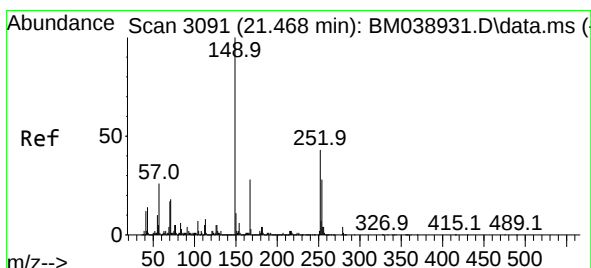
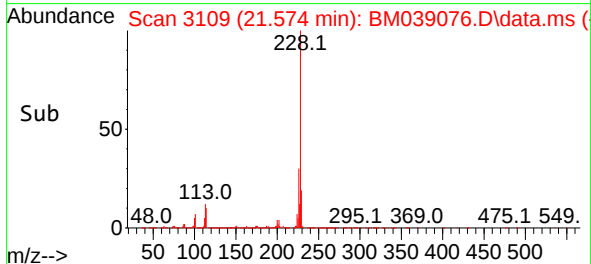
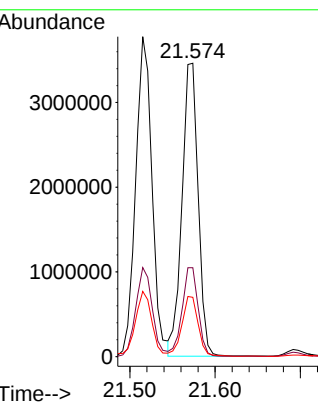
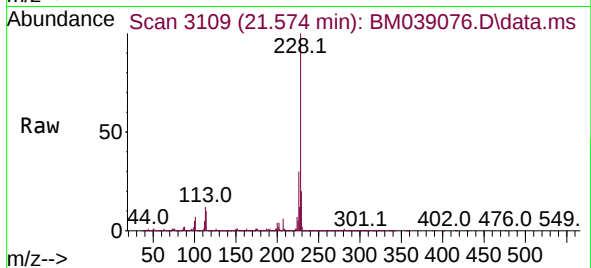
229 20.2 16.0 24.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/22/2023

Supervised By :Jagrut Upadhyay 03/22/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.290 ng

RT: 21.439 min Scan# 3086

Delta R.T. -0.000 min

Lab File: BM039076.D

Acq: 21 Mar 2023 19:36

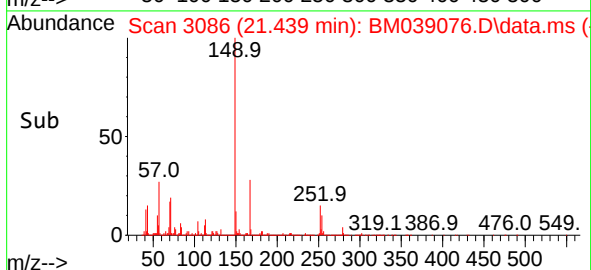
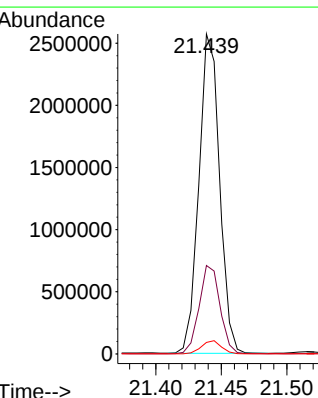
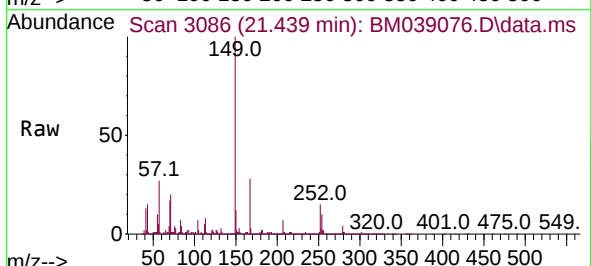
Tgt Ion:149 Resp: 2817674

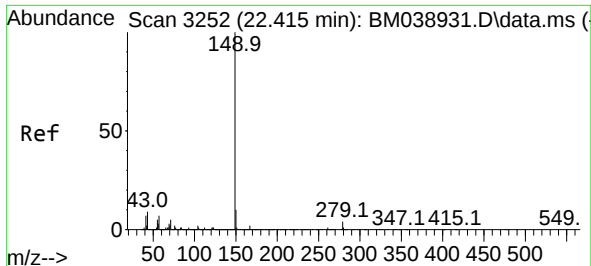
Ion Ratio Lower Upper

149 100

167 27.6 22.3 33.5

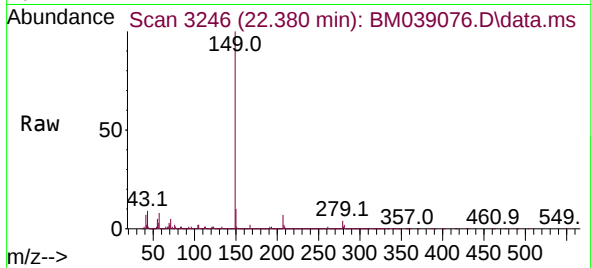
279 3.6 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 54.457 ng
RT: 22.380 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

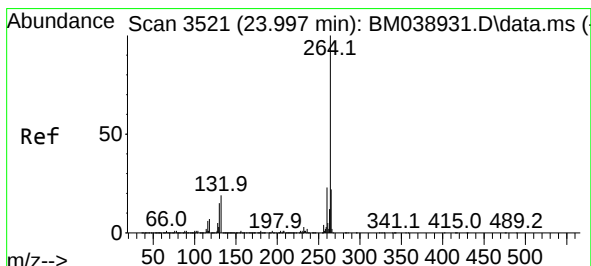
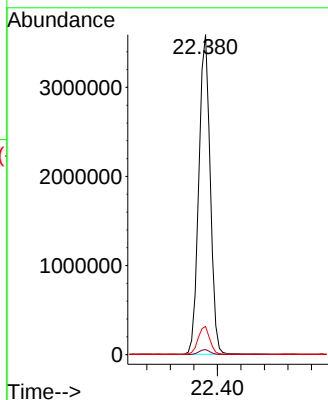
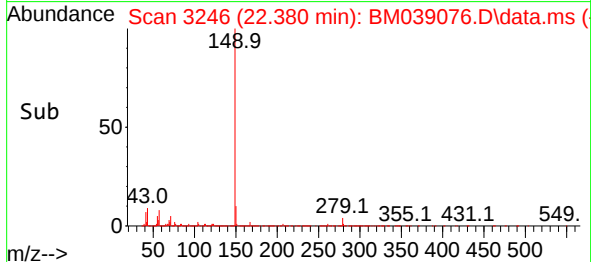
Instrument :
BNA_M
ClientSampleId :
IRV-3MS



Tgt Ion:149 Resp: 480089
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 8.8 7.4 11.2

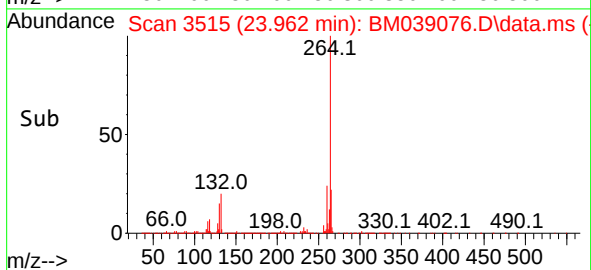
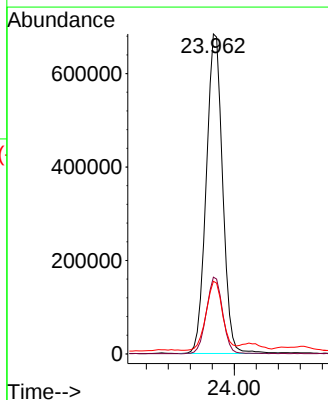
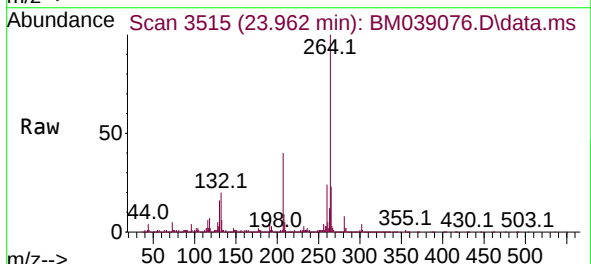
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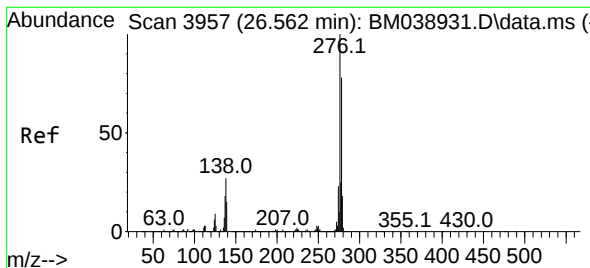
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.962 min Scan# 3515
Delta R.T. -0.000 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Tgt Ion:264 Resp: 1412112
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 22.7 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 56.482 ng

RT: 26.503 min Scan# 3947

Delta R.T. 0.006 min

Lab File: BM039076.D

Acq: 21 Mar 2023 19:36

Instrument :

BNA_M

ClientSampleId :

IRV-3MS

Tgt Ion:276 Resp: 6069049

Ion Ratio Lower Upper

276 100

138 27.2 22.1 33.1

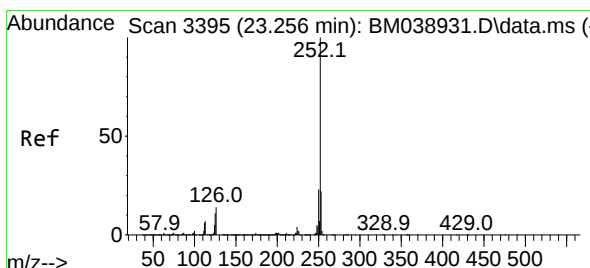
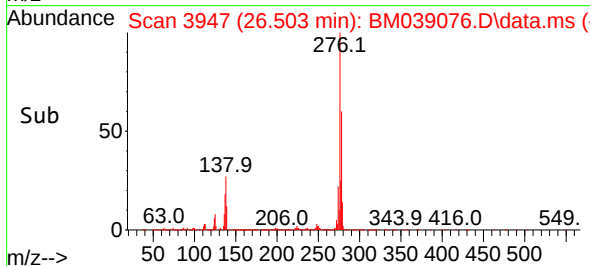
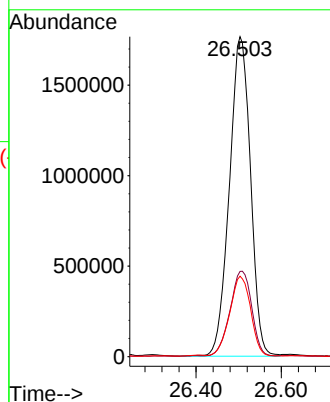
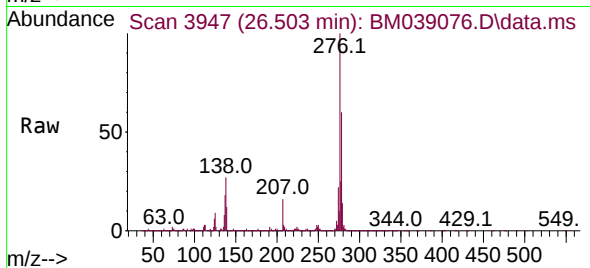
277 24.7 20.1 30.1

Manual Integrations

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Reviewed By :Christian Giraldo 03/22/2023

Supervised By :Jagrut Upadhyay 03/22/2023



#88

Benzo(b)fluoranthene

Concen: 61.331 ng

RT: 23.227 min Scan# 3390

Delta R.T. 0.006 min

Lab File: BM039076.D

Acq: 21 Mar 2023 19:36

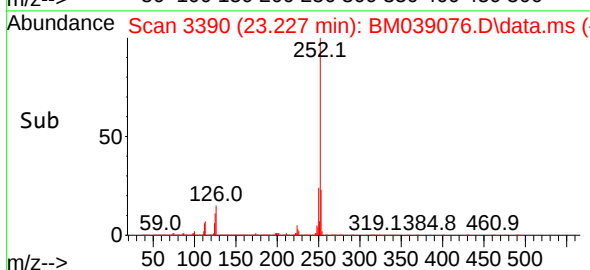
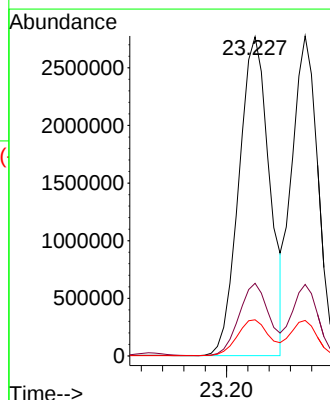
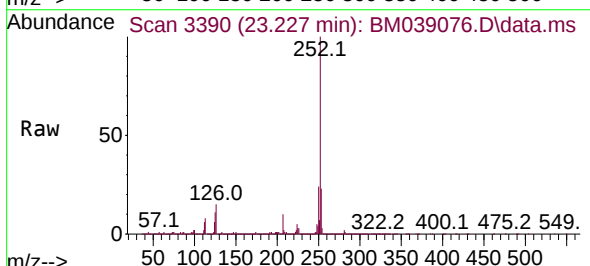
Tgt Ion:252 Resp: 5533014

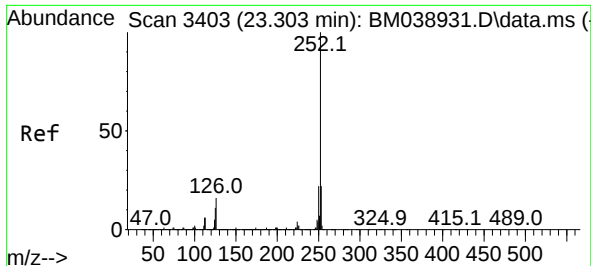
Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 11.3 8.8 13.2





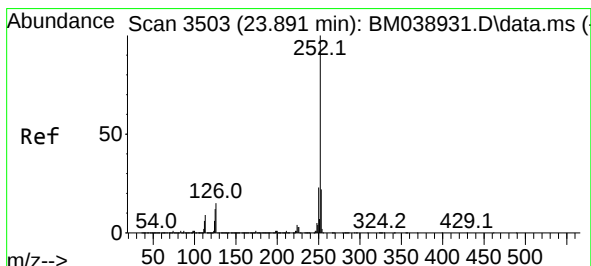
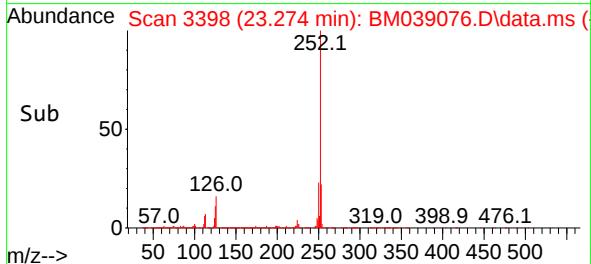
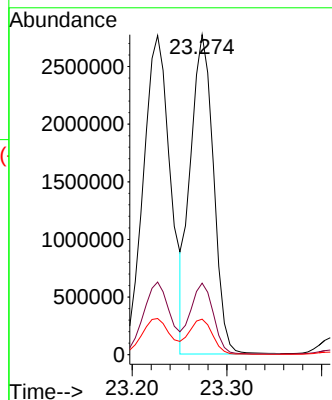
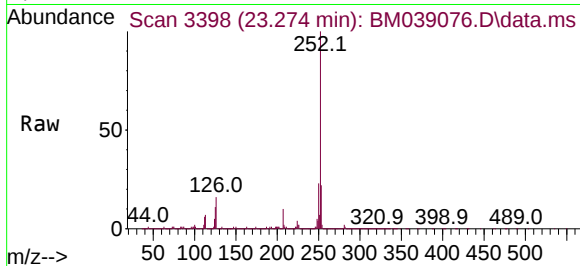
#89
Benzo(k)fluoranthene
Concen: 50.065 ng
RT: 23.274 min Scan# 3398
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Instrument :
BNA_M
ClientSampleId :
IRV-3MS

Tgt Ion:252 Resp: 470046
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 11.1 8.9 13.3

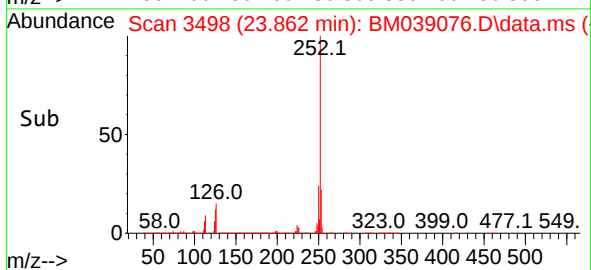
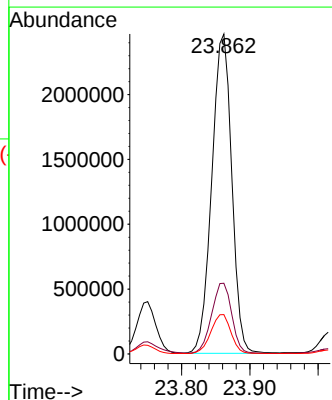
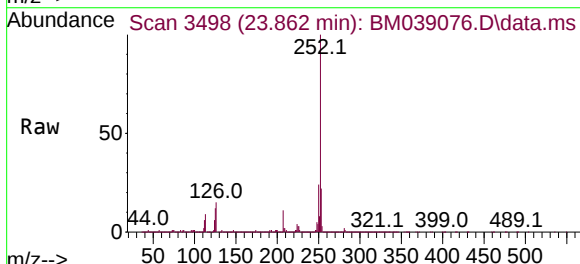
Manual Integrations
APPROVED

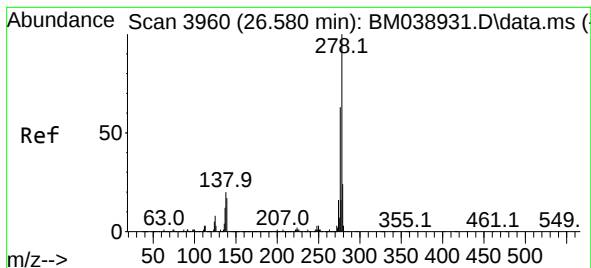
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#90
Benzo(a)pyrene
Concen: 57.534 ng
RT: 23.862 min Scan# 3498
Delta R.T. 0.006 min
Lab File: BM039076.D
Acq: 21 Mar 2023 19:36

Tgt Ion:252 Resp: 4995357
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 12.3 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 49.847 ng

RT: 26.521 min Scan# 39

Delta R.T. 0.012 min

Lab File: BM039076.D

Acq: 21 Mar 2023 19:36

Instrument :

BNA_M

ClientSampleId :

IRV-3MS

Tgt Ion:278 Resp: 453596

Ion Ratio Lower Upper

278 100

139 18.0 13.7 20.5

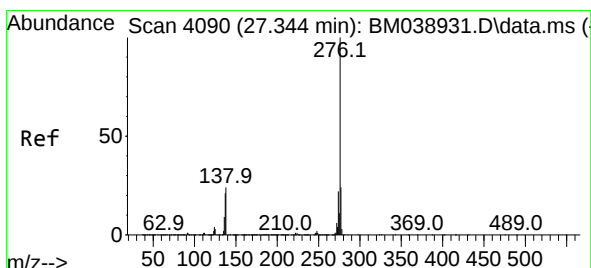
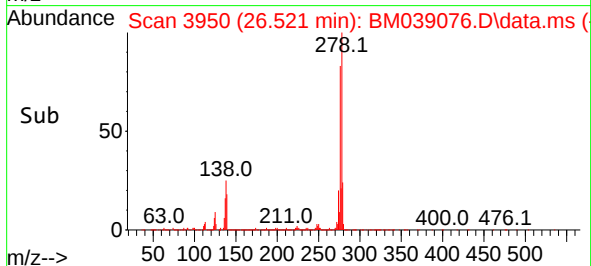
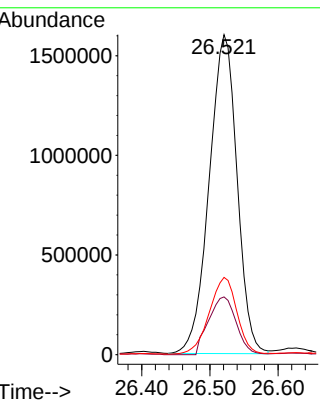
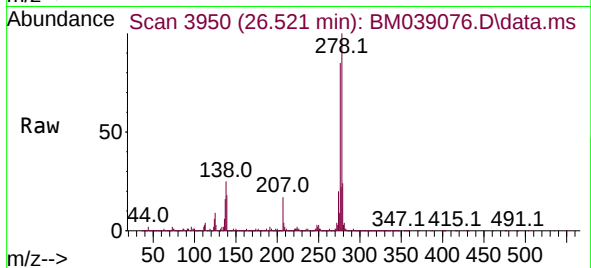
279 24.1 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/22/2023

Supervised By :Jagrut Upadhyay 03/22/2023



#92

Benzo(g,h,i)perylene

Concen: 57.078 ng

RT: 27.285 min Scan# 4080

Delta R.T. 0.012 min

Lab File: BM039076.D

Acq: 21 Mar 2023 19:36

Tgt Ion:276 Resp: 5081613

Ion Ratio Lower Upper

276 100

277 24.3 19.3 28.9

138 24.7 19.0 28.6

