

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082222\
 Data File : BM036389.D
 Acq On : 23 Aug 2022 13:57
 Operator : CG/JU
 Sample : N4181-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X3C27

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/24/2022
 Supervised By :Sohil Jodhani 08/24/2022

Quant Time: Aug 24 00:59:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 23 00:55:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	244858	20.000	ng/u1	0.00
20) Naphthalene-d8	10.592	136	1108649	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.439	164	639557	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.180	188	1097051	20.000	ng/u1	0.00
79) Chrysene-d12	21.362	240	848950	20.000	ng/u1	0.00
88) Perylene-d12	23.691	264	820430	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	35263	5.488	ng/uL	0.00
4) Pyridine-d5	3.628	84	626489	35.359	ng/u1	0.00
7) Phenol-d5	6.969	99	687882	32.912	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.134	67	472204	35.893	ng/u1	0.00
11) 2-Chlorophenol-d4	7.322	132	518110	31.550	ng/u1	0.00
15) 4-Methylphenol-d8	8.516	113	568585	36.434	ng/u1	0.00
21) Nitrobenzene-d5	8.963	128	282200	33.573	ng/u1	0.00
24) 2-Nitrophenol-d4	9.681	143	280484	32.897	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.222	165	518527	34.036	ng/u1	0.00
31) 4-Chloroaniline-d4	10.745	131	846775	35.854	ng/u1	0.00
46) Dimethylphthalate-d6	13.857	166	1501873	37.119	ng/u1	0.00
49) Acenaphthylene-d8	14.133	160	1803521	35.738	ng/u1	0.00
54) 4-Nitrophenol-d4	14.663	143	272428	35.534	ng/u1	0.00
60) Fluorene-d10	15.427	176	1295566	35.435	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.563	200	214857	38.095	ng/u1	0.00
73) Anthracene-d10	17.280	188	1813021	37.167	ng/u1	0.00
81) Pyrene-d10	19.574	212	1781098	40.444	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.539	264	1586729	39.446	ng/u1	0.00
Target Compounds						
					Qvalue	
10) Bis(2-Chloroethyl)ether	7.222	93	343507	19.764	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.322	45	434407m	18.681	ng/u1	
18) 4-Methylphenol	8.575	108	876740	51.132	ng/u1	89
19) Hexachloroethane	8.863	117	423761	58.984	ng/u1	84
22) Nitrobenzene	9.004	77	407943	20.483	ng/u1	94
25) 2-Nitrophenol	9.716	139	373506	39.320	ng/u1	94
26) 2,4-Dimethylphenol	9.781	107	530851	27.944	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.016	93	456865	19.842	ng/u1	99
29) 2,4-Dichlorophenol	10.245	162	418280	26.836	ng/u1	100
32) 4-Chloroaniline	10.769	127	1407010	58.571	ng/u1	98
36) 2-Methylnaphthalene	12.257	142	1020955	27.965	ng/u1	98
40) Hexachlorocyclopentadiene	12.598	237	443138	42.255	ng/u1	97
41) 2,4,6-Trichlorophenol	12.875	196	211945	19.054	ng/u1	98
44) 2-Chloronaphthalene	13.316	162	548586	14.862	ng/u1	98
45) 2-Nitroaniline	13.539	65	795539	79.593	ng/u1	94
47) Dimethylphthalate	13.910	163	1431467	34.370	ng/u1	99
48) 2,6-Dinitrotoluene	14.027	165	124722	15.872	ng/u1#	79
51) 3-Nitroaniline	14.363	138	652389	75.914	ng/u1	94
53) 2,4-Dinitrophenol	14.569	184	297021	69.356	ng/u1#	85
55) 4-Nitrophenol	14.680	109	415368	68.571	ng/u1	84
62) 4-Chlorophenyl-phenyle...	15.480	204	310996	15.595	ng/u1	99
63) 4-Nitroaniline	15.527	138	370223	46.182	ng/u1#	85
66) 4,6-Dinitro-2-methylph...	15.580	198	400088	70.161	ng/u1#	93
68) 4-Bromophenyl-phenylether	16.374	248	759219	74.739	ng/u1	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 3,3'-Dichlorobenzidine	21.292	252	384129	21.973	ng/ul	98

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

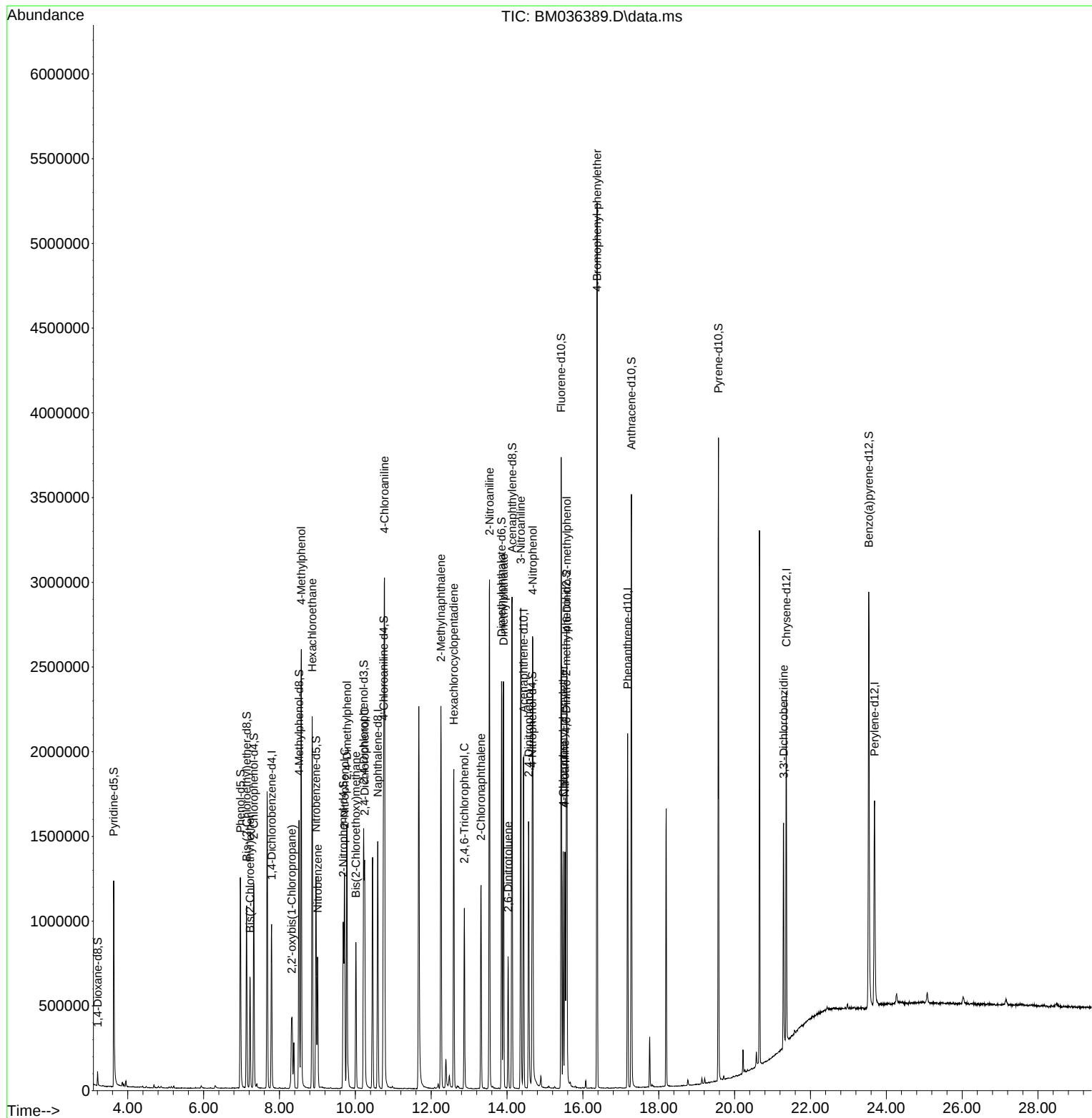
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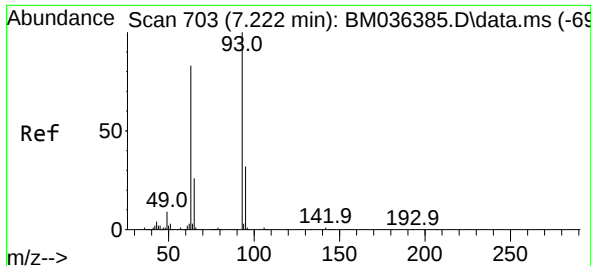
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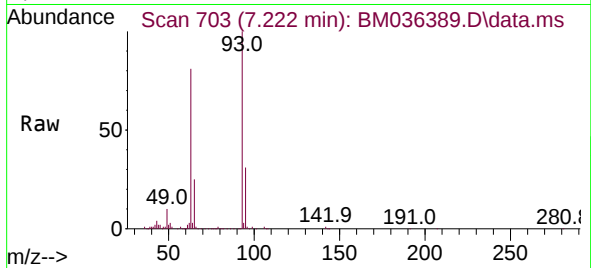
Reviewed By :Jagrut Upadhyay 08/24/2022
 Supervised By :Sohil Jodhani 08/24/2022





#10
Bis(2-Chloroethyl)ether
Concen: 19.764 ng/ul
RT: 7.222 min Scan# 703
Delta R.T. -0.006 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

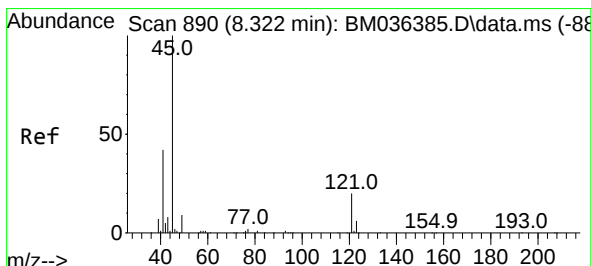
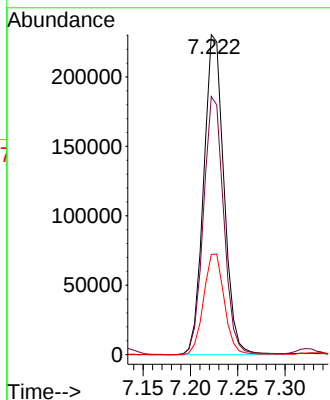
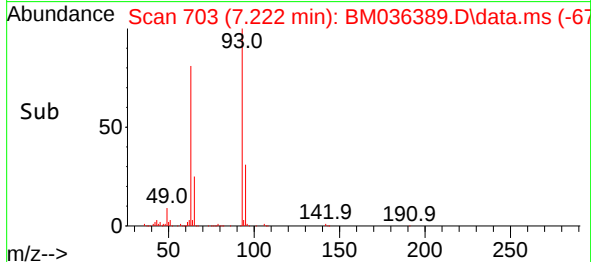
Instrument :
BNA_M
ClientSampleId :
X3C27



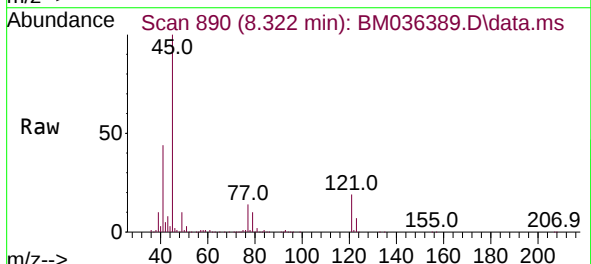
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Ion Ratio Lower Upper
93 100
63 80.6 64.0 96.0
95 31.3 25.8 38.6

Manual Integrations
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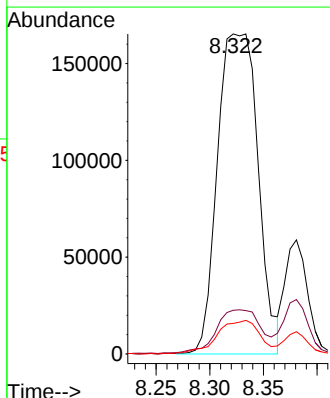
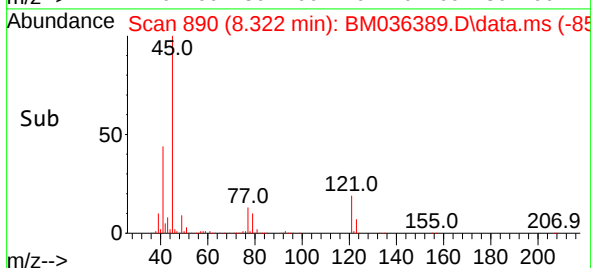
Reviewed By :Jagrut Upadhyay 08/24/2022
Supervised By :Sohil Jodhani 08/24/2022

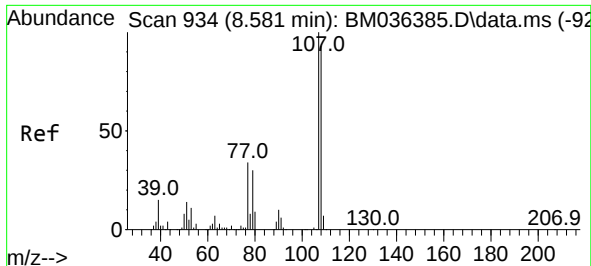


#14
2,2'-oxybis(1-Chloropropane)
Concen: 18.681 ng/ul m
RT: 8.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57



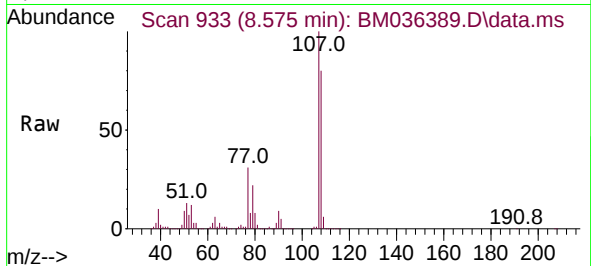
Tgt Ion: 45 Resp: 434407
Ion Ratio Lower Upper
45 100
77 13.6 10.6 15.8
79 9.5 8.3 12.5





#18
4-Methylphenol
Concen: 51.132 ng/ul
RT: 8.575 min Scan# 934
Delta R.T. -0.006 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

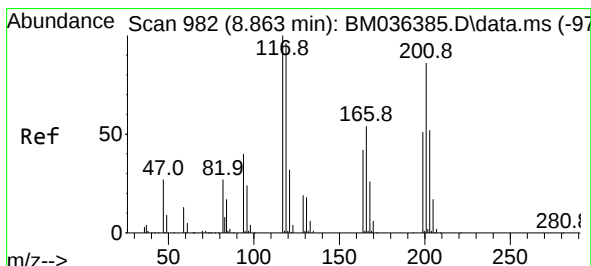
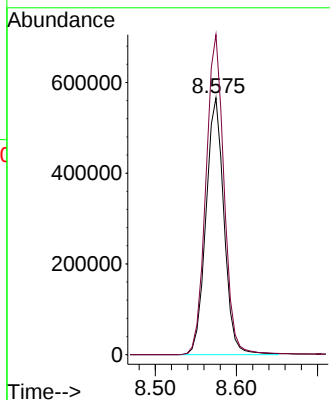
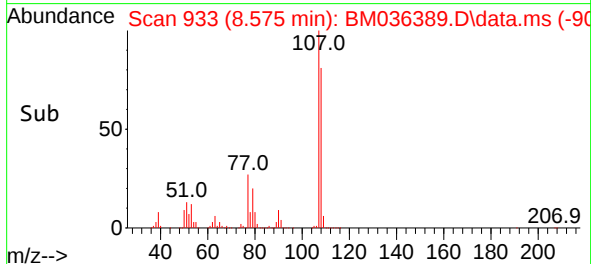
Instrument :
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ClientSampleId :
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Tgt Ion:108 Resp: 876740
Ion Ratio Lower Upper
108 100
107 124.6 90.3 135.5

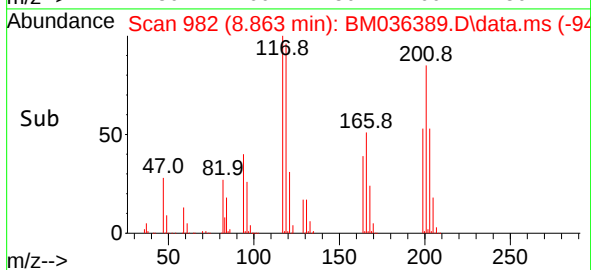
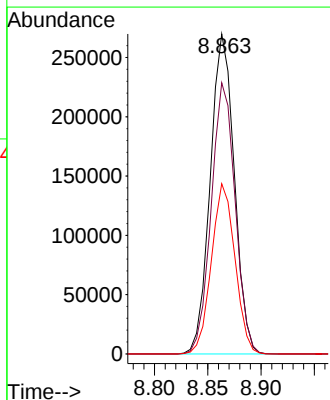
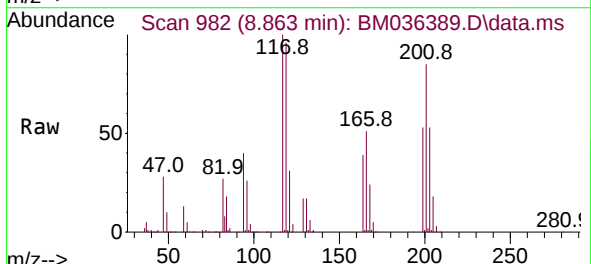
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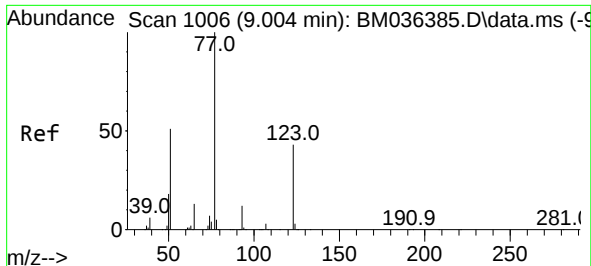
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Supervised By :Sohil Jodhani 08/24/2022



#19
Hexachloroethane
Concen: 58.984 ng/ul
RT: 8.863 min Scan# 982
Delta R.T. 0.000 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

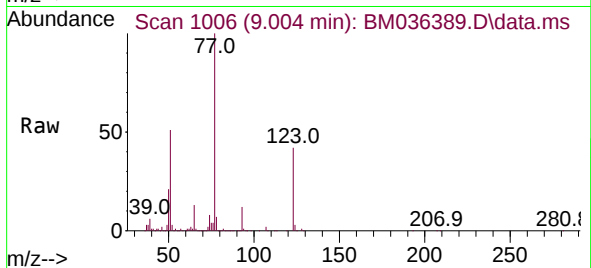
Tgt Ion:117 Resp: 423761
Ion Ratio Lower Upper
117 100
201 84.7 81.8 122.6
199 53.2 51.6 77.4





#22
Nitrobenzene
Concen: 20.483 ng/ul
RT: 9.004 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

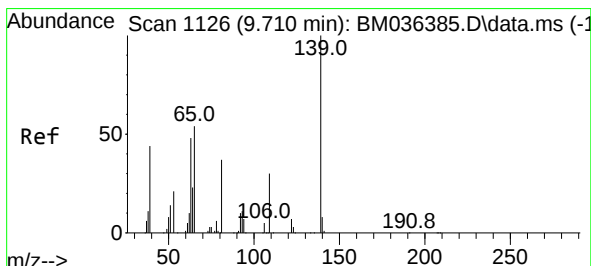
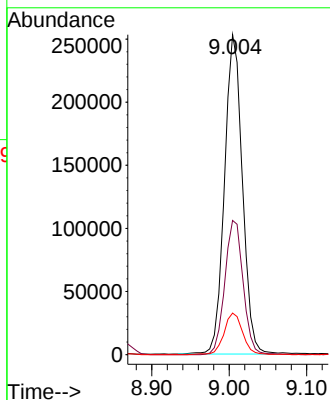
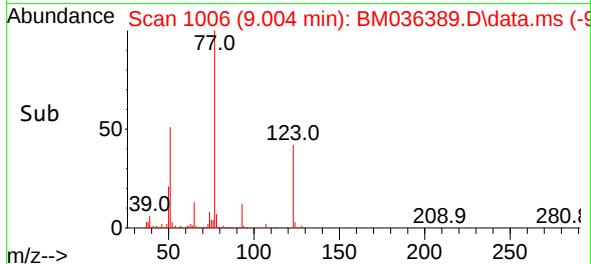
Instrument :
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ClientSampleId :
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Tgt Ion: 77 Resp: 407943
Ion Ratio Lower Upper
77 100
123 41.9 37.4 56.0
65 13.0 10.8 16.2

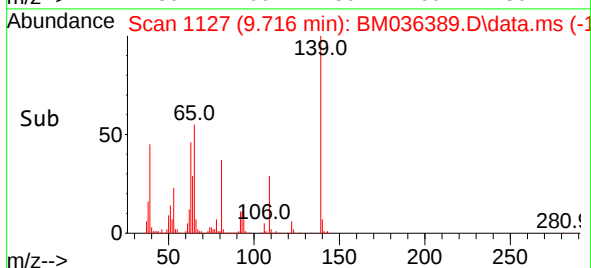
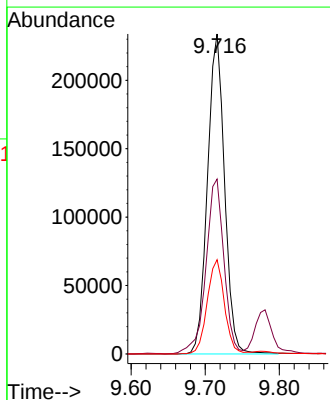
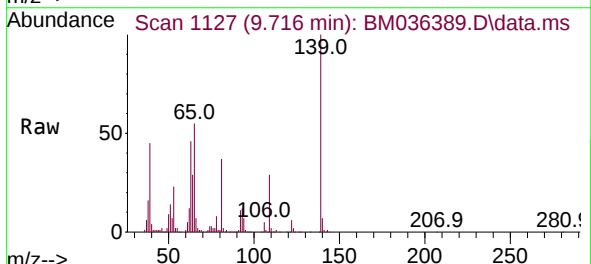
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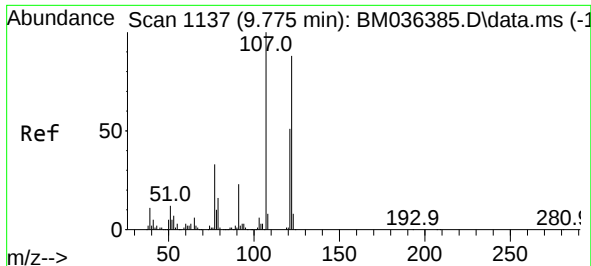
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#25
2-Nitrophenol
Concen: 39.320 ng/ul
RT: 9.716 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

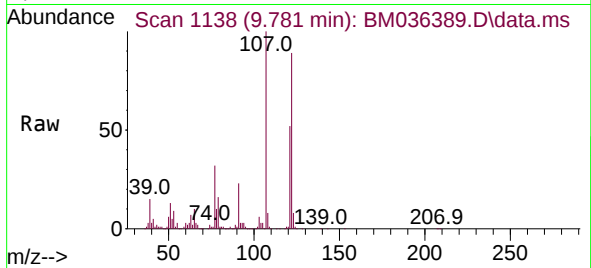
Tgt Ion:139 Resp: 373506
Ion Ratio Lower Upper
139 100
65 54.6 39.8 59.6
109 29.4 22.2 33.4





#26
2,4-Dimethylphenol
Concen: 27.944 ng/ul
RT: 9.781 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

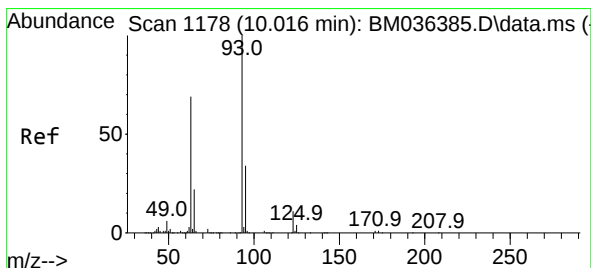
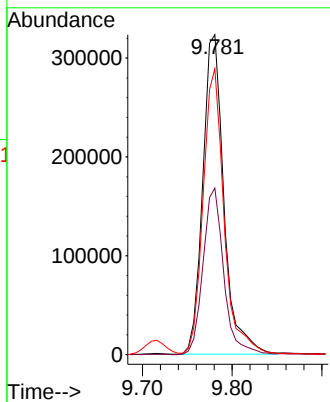
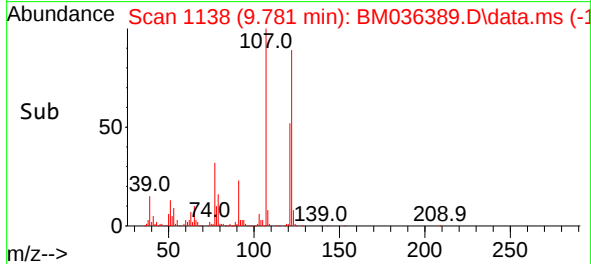
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Tgt Ion:107 Resp: 53085
Ion Ratio Lower Upper
107 100
121 52.0 42.7 64.1
122 89.3 71.5 107.3

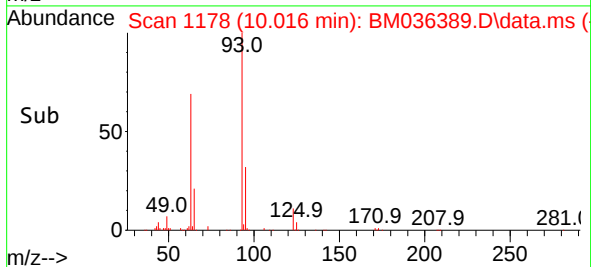
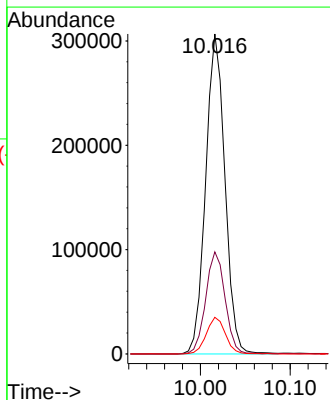
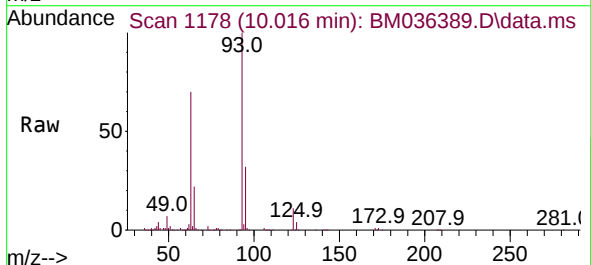
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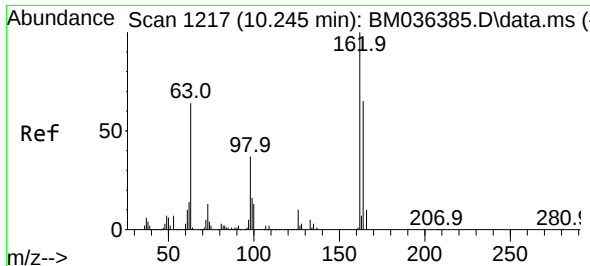
Reviewed By :Jagrut Upadhyay 08/24/2022
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#27
Bis(2-Chloroethoxy)methane
Concen: 19.842 ng/ul
RT: 10.016 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

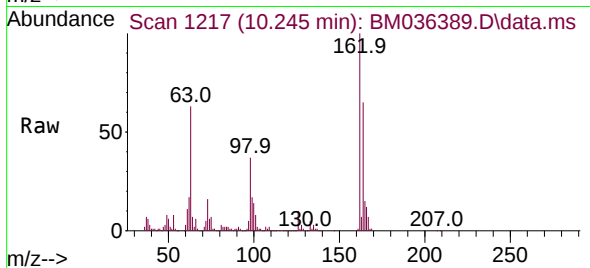
Tgt Ion: 93 Resp: 456865
Ion Ratio Lower Upper
93 100
95 31.9 26.1 39.1
123 11.5 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 26.836 ng/ul
RT: 10.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BM036389.D
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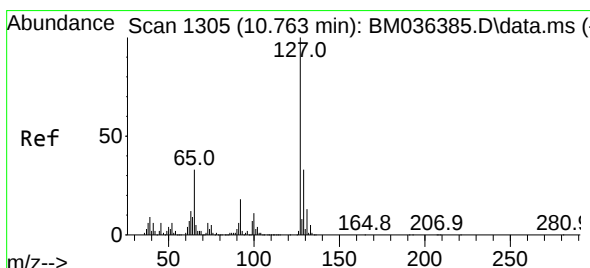
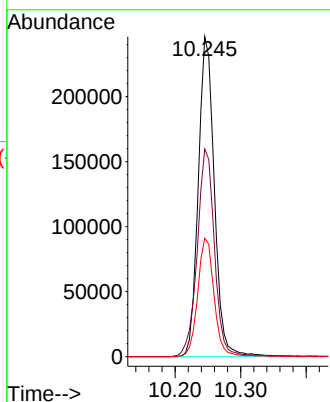
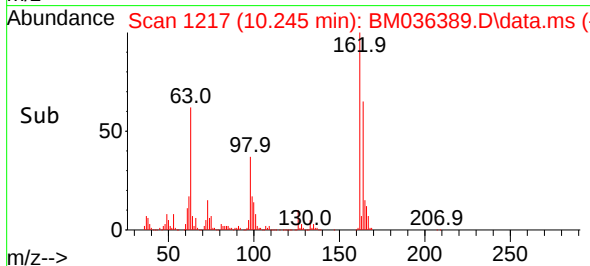
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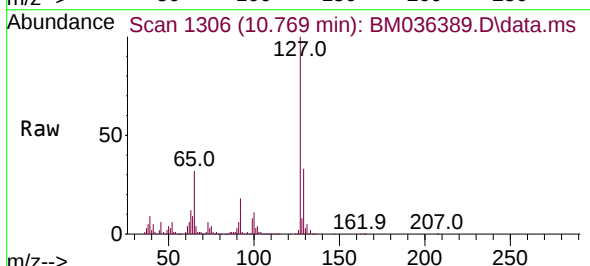
Tgt Ion:162 Resp: 418280
Ion Ratio Lower Upper
162 100
164 64.9 51.8 77.6
98 37.0 29.5 44.3

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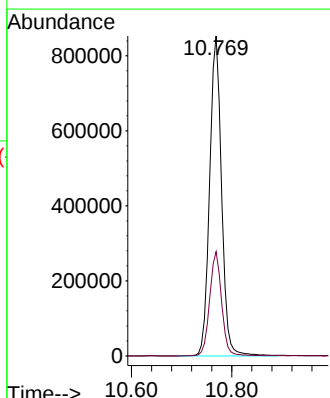
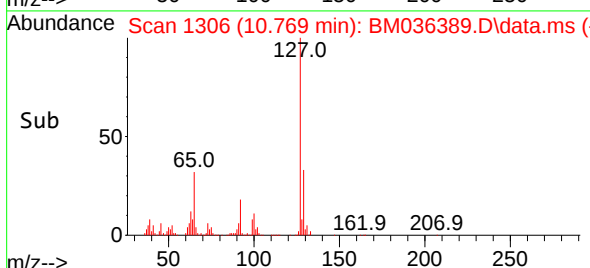
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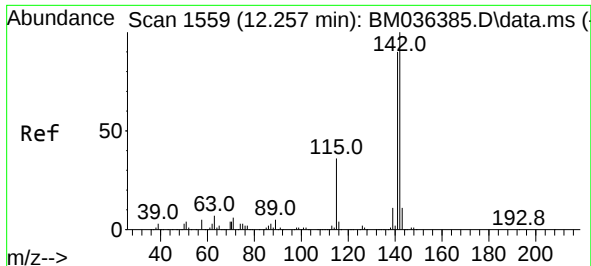


#32
4-Chloroaniline
Concen: 58.571 ng/ul
RT: 10.769 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57



Tgt Ion:127 Resp: 1407010
Ion Ratio Lower Upper
127 100
129 32.6 25.3 37.9





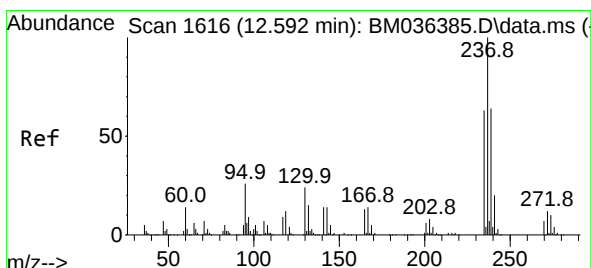
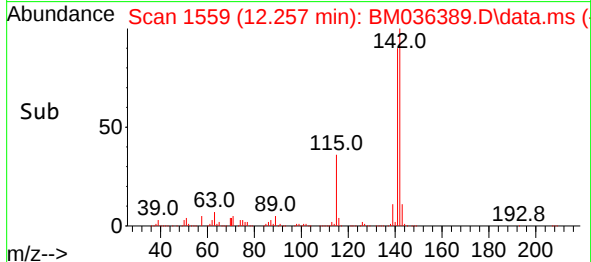
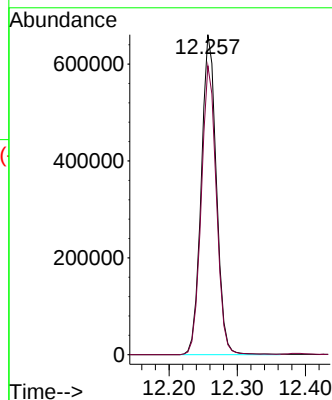
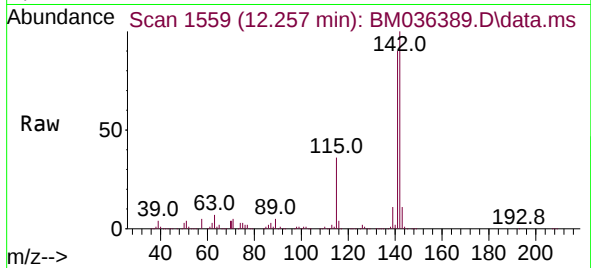
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2-Methylnaphthalene
Concen: 27.965 ng/ul
RT: 12.257 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

Instrument :
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Tgt Ion:142 Resp: 1020955
Ion Ratio Lower Upper
142 100
141 90.3 70.7 106.1

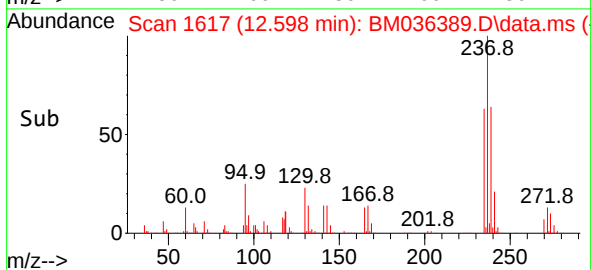
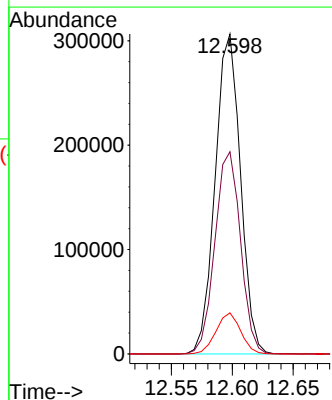
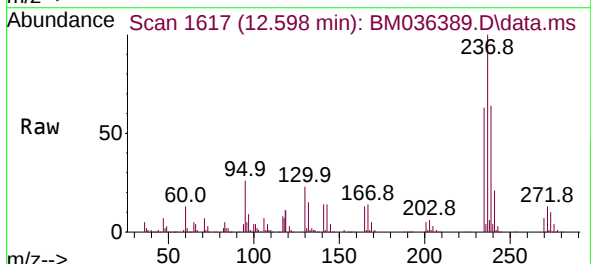
Manual Integrations
APPROVED

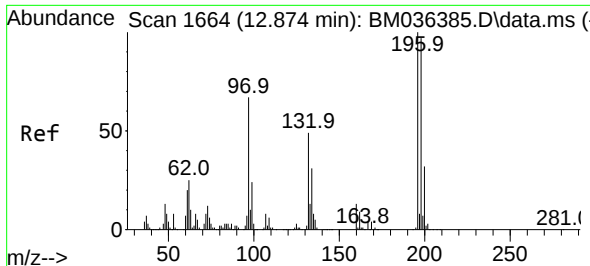
Reviewed By :Jagrut Upadhyay 08/24/2022
Supervised By :Sohil Jodhani 08/24/2022



#40
Hexachlorocyclopentadiene
Concen: 42.255 ng/ul
RT: 12.598 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

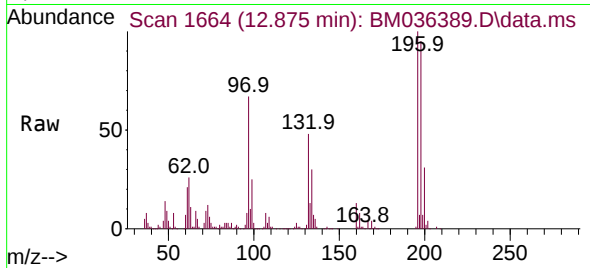
Tgt Ion:237 Resp: 443138
Ion Ratio Lower Upper
237 100
235 63.2 48.4 72.6
272 13.5 11.6 17.4





#41
2,4,6-Trichlorophenol
Concen: 19.054 ng/ul
RT: 12.875 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

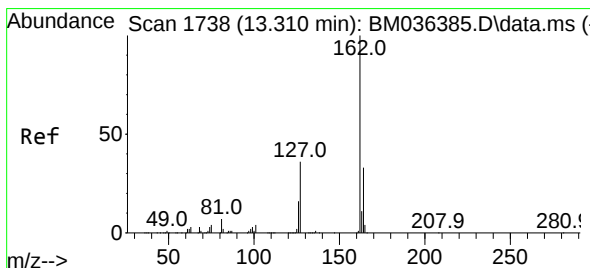
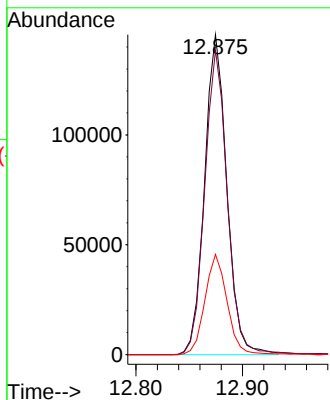
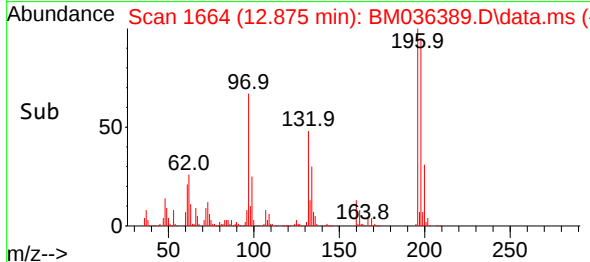
Instrument :
BNA_M
ClientSampleId :
X3C27



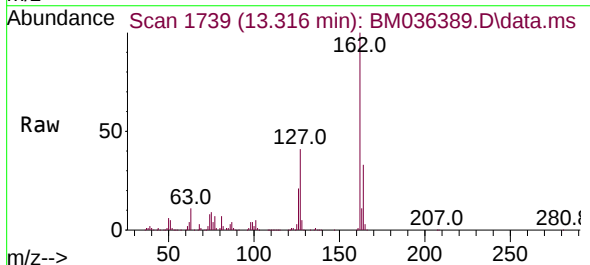
Tgt Ion:196 Resp: 211945
Ion Ratio Lower Upper
196 100
198 95.2 77.8 116.6
200 31.3 25.0 37.6

Manual Integrations
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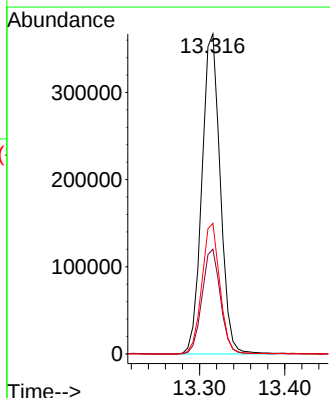
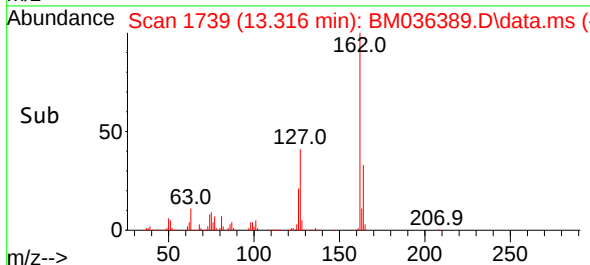
Reviewed By :Jagrut Upadhyay 08/24/2022
Supervised By :Sohil Jodhani 08/24/2022

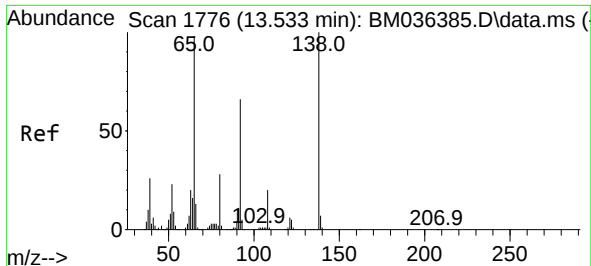


#44
2-Chloronaphthalene
Concen: 14.862 ng/ul
RT: 13.316 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57



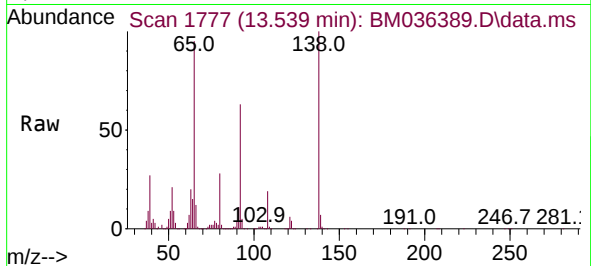
Tgt Ion:162 Resp: 548586
Ion Ratio Lower Upper
162 100
164 32.7 25.4 38.0
127 40.8 31.6 47.4





#45
2-Nitroaniline
Concen: 79.593 ng/ul
RT: 13.539 min Scan# 1776
Delta R.T. 0.006 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

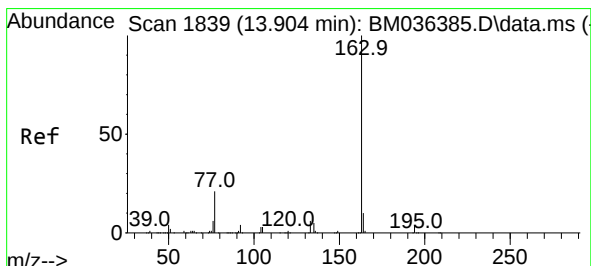
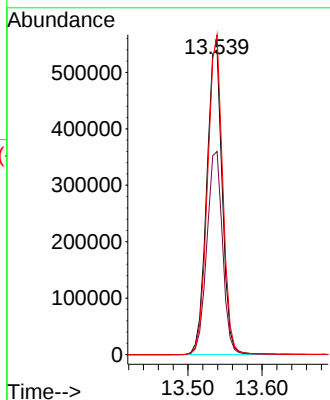
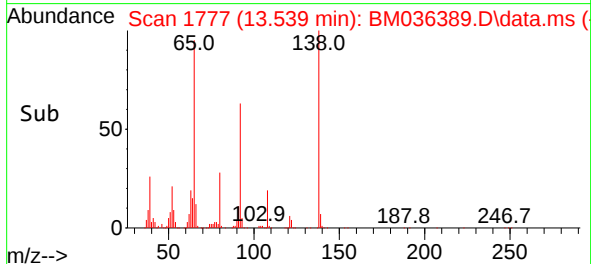
Instrument :
BNA_M
ClientSampleId :
X3C27



Tgt Ion: 65 Resp: 795539
Ion Ratio Lower Upper
65 100
92 66.7 54.5 81.7
138 105.0 91.2 136.8

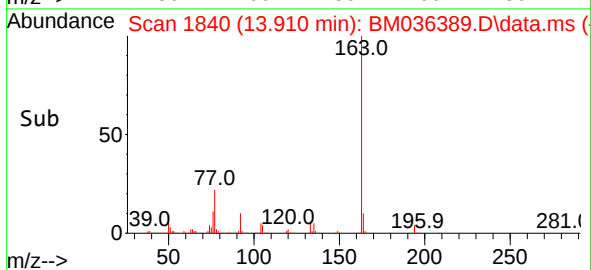
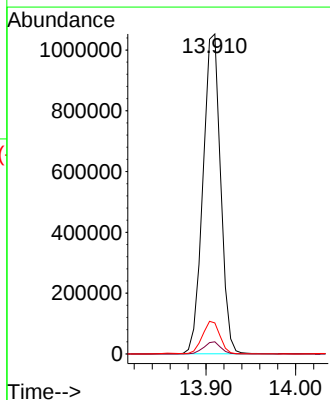
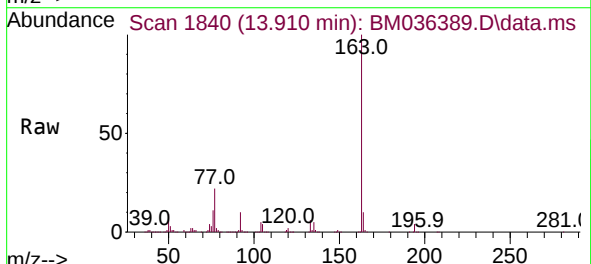
Manual Integrations
APPROVED

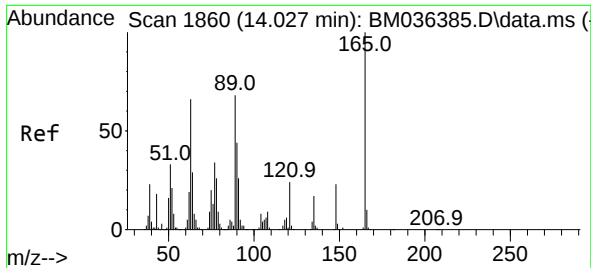
Reviewed By :Jagrut Upadhyay 08/24/2022
Supervised By :Sohil Jodhani 08/24/2022



#47
Dimethylphthalate
Concen: 34.370 ng/ul
RT: 13.910 min Scan# 1840
Delta R.T. 0.006 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

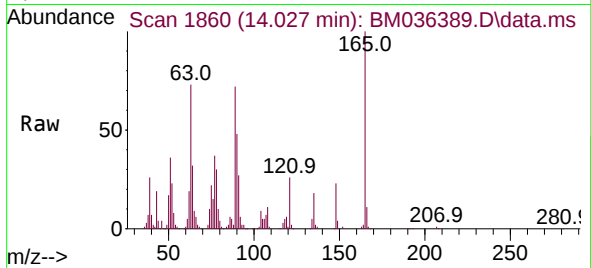
Tgt Ion:163 Resp: 1431467
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.7 7.9 11.9





#48
2,6-Dinitrotoluene
Concen: 15.872 ng/ul
RT: 14.027 min Scan# 1860
Delta R.T. 0.000 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

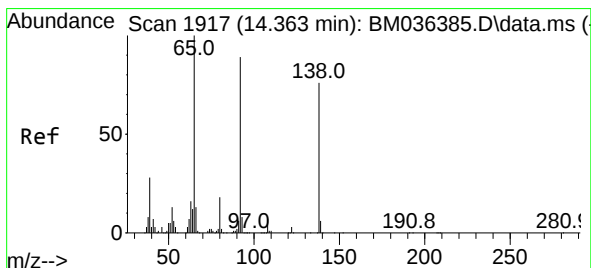
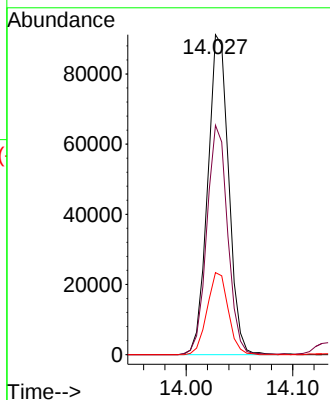
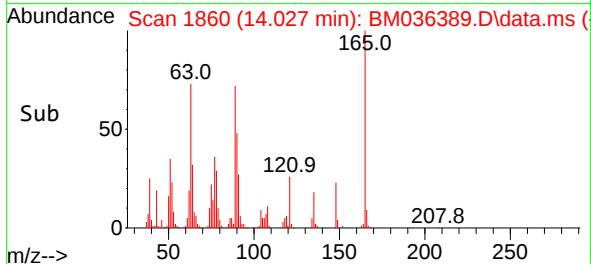
Instrument :
BNA_M
ClientSampleId :
X3C27



Tgt Ion:165 Resp: 124722
Ion Ratio Lower Upper
165 100
89 71.7 42.5 63.7
121 25.6 17.2 25.8

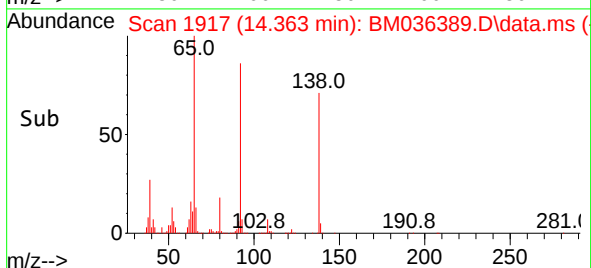
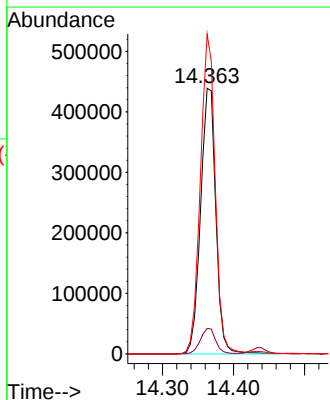
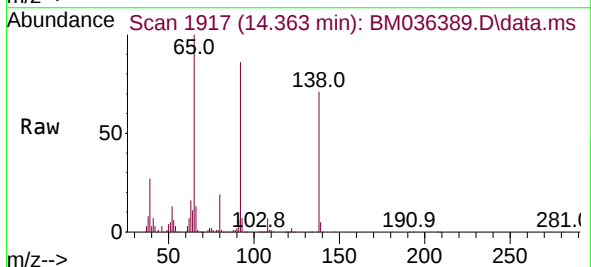
Manual Integrations
APPROVED

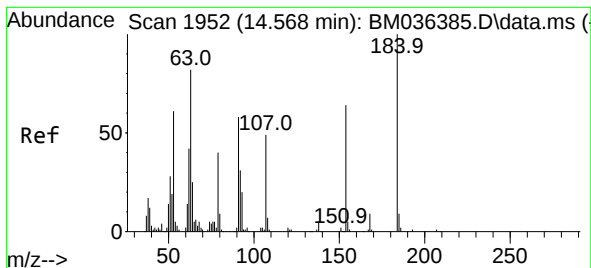
Reviewed By :Jagrut Upadhyay 08/24/2022
Supervised By :Sohil Jodhani 08/24/2022



#51
3-Nitroaniline
Concen: 75.914 ng/ul
RT: 14.363 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

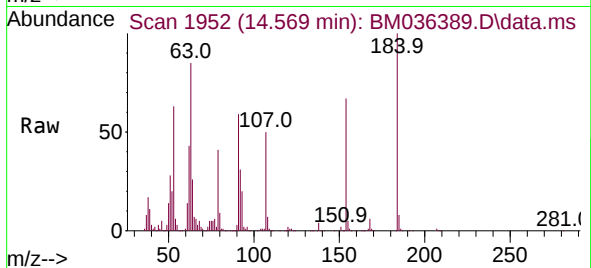
Tgt Ion:138 Resp: 652389
Ion Ratio Lower Upper
138 100
108 9.6 8.1 12.1
92 120.4 90.4 135.6





#53
2,4-Dinitrophenol
Concen: 69.356 ng/ul
RT: 14.569 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

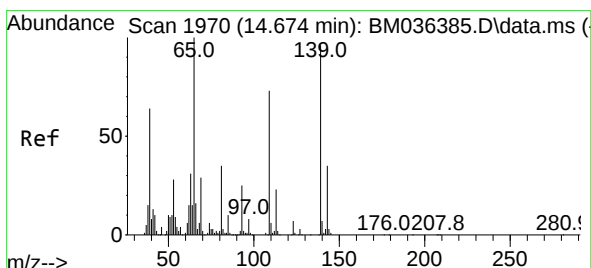
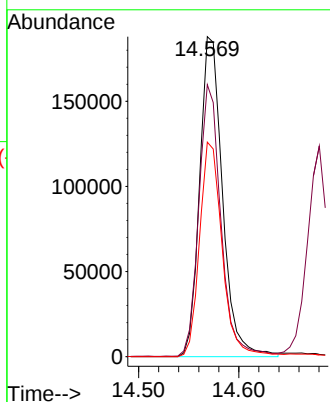
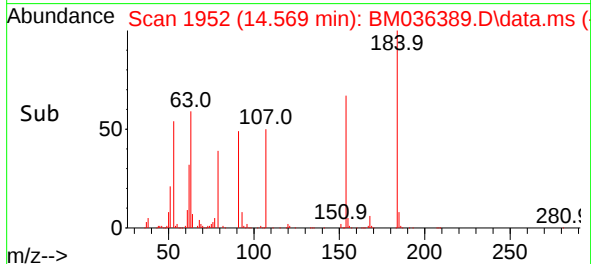
Instrument :
BNA_M
ClientSampleId :
X3C27



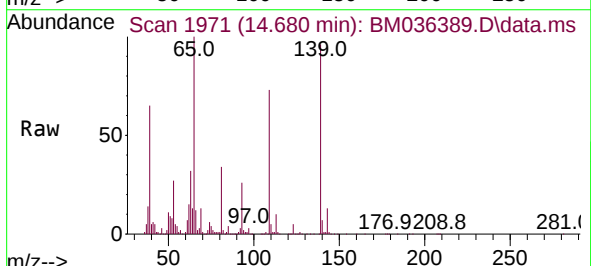
Tgt Ion:184 Resp: 297021
Ion Ratio Lower Upper
184 100
63 85.0 54.2 81.4
154 67.0 49.3 73.9

Manual Integrations
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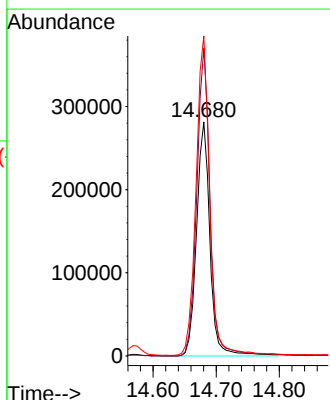
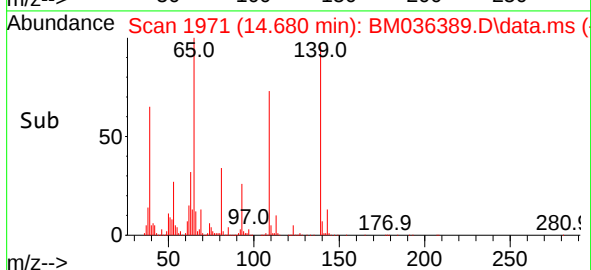
Reviewed By :Jagrut Upadhyay 08/24/2022
Supervised By :Sohil Jodhani 08/24/2022

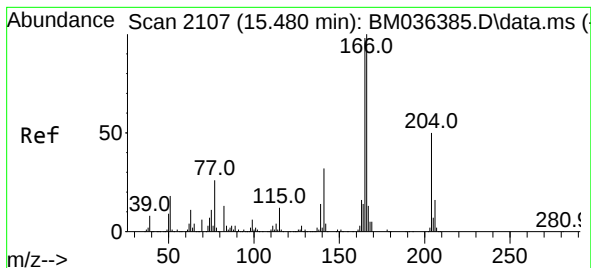


#55
4-Nitrophenol
Concen: 68.571 ng/ul
RT: 14.680 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57



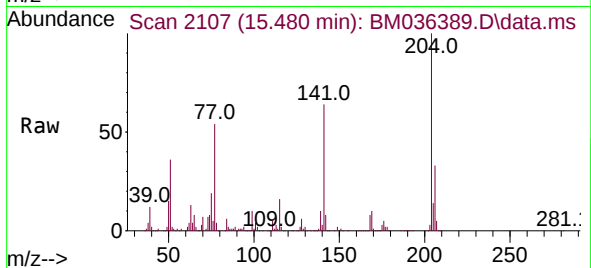
Tgt Ion:109 Resp: 415368
Ion Ratio Lower Upper
109 100
139 131.4 124.9 187.3
65 136.8 122.2 183.4





#62
4-Chlorophenyl-phenylether
Concen: 15.595 ng/ul
RT: 15.480 min Scan# 2107
Delta R.T. 0.000 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

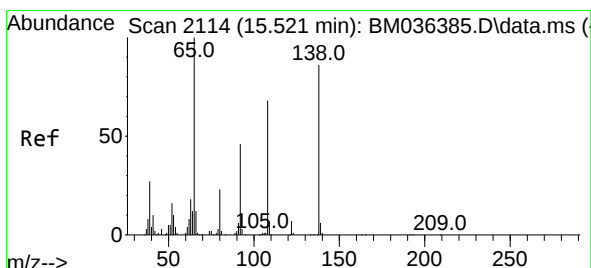
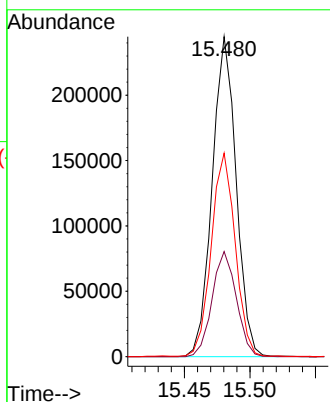
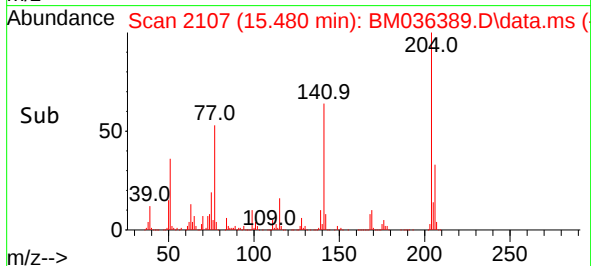
Instrument :
BNA_M
ClientSampleId :
X3C27



Tgt Ion:204 Resp: 310996
Ion Ratio Lower Upper
204 100
206 32.8 25.9 38.9
141 63.6 50.6 75.8

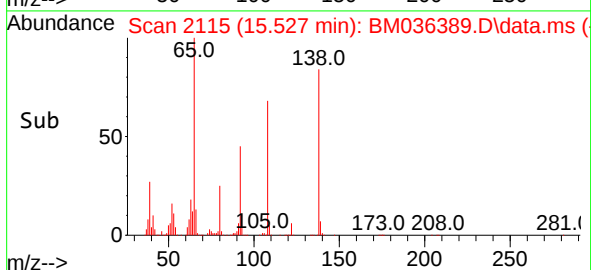
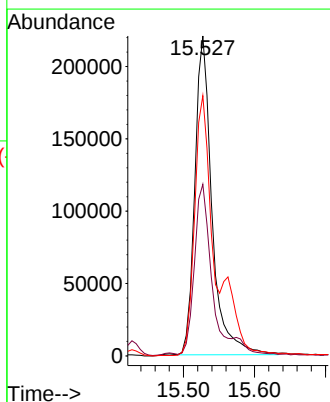
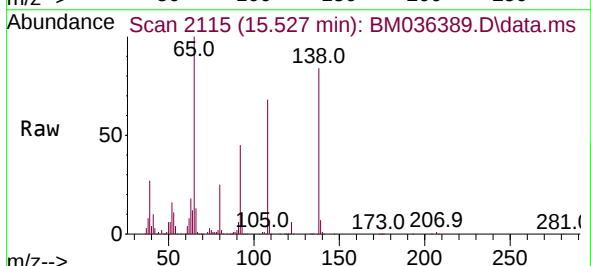
Manual Integrations
APPROVED

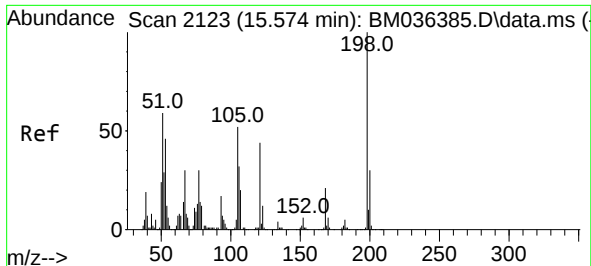
Reviewed By :Jagrut Upadhyay 08/24/2022
Supervised By :Sohil Jodhani 08/24/2022



#63
4-Nitroaniline
Concen: 46.182 ng/ul
RT: 15.527 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

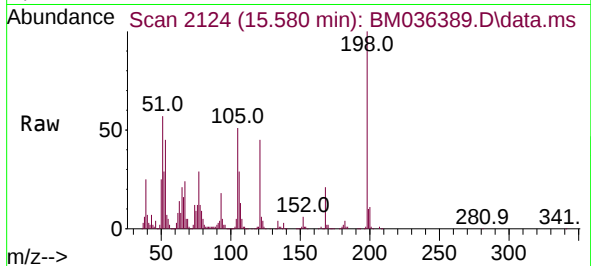
Tgt Ion:138 Resp: 370223
Ion Ratio Lower Upper
138 100
92 53.6 39.2 58.8
108 81.3 51.6 77.4#





#66
4,6-Dinitro-2-methylphenol
Concen: 70.161 ng/ul
RT: 15.580 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57

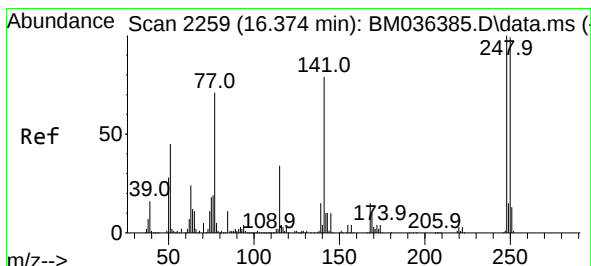
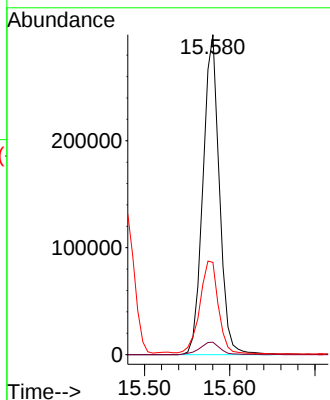
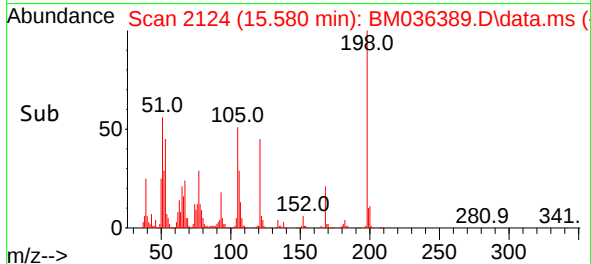
Instrument :
BNA_M
ClientSampleId :
X3C27



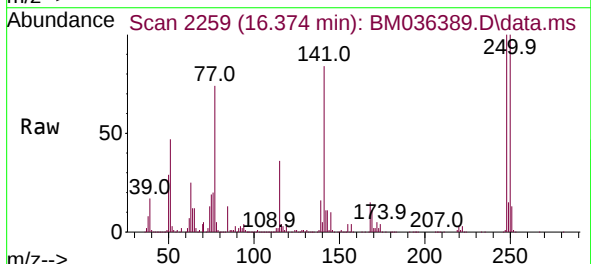
Tgt Ion:198 Resp: 400088
Ion Ratio Lower Upper
198 100
182 3.9 4.2 6.4
77 28.8 19.9 29.9

Manual Integrations
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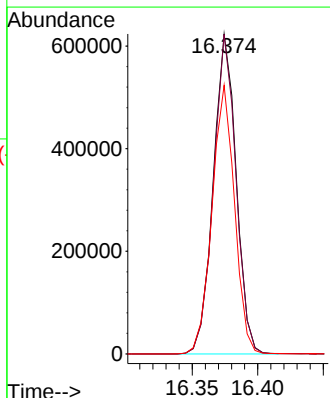
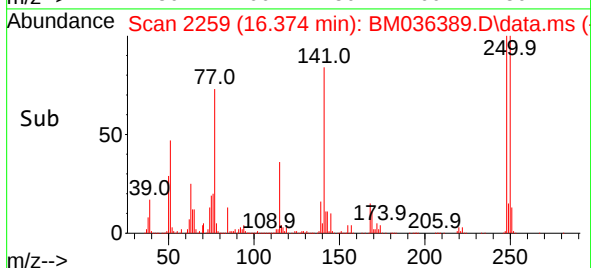
Reviewed By :Jagrut Upadhyay 08/24/2022
Supervised By :Sohil Jodhani 08/24/2022

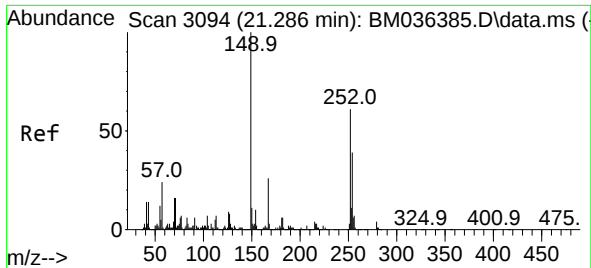


#68
4-Bromophenyl-phenylether
Concen: 74.739 ng/ul
RT: 16.374 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BM036389.D
Acq: 23 Aug 2022 13:57



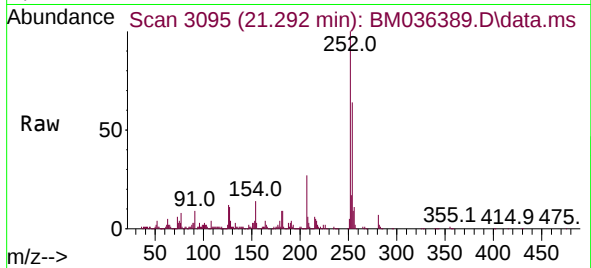
Tgt Ion:248 Resp: 759219
Ion Ratio Lower Upper
248 100
250 99.8 77.3 115.9
141 83.9 59.8 89.8





#84
 3,3'-Dichlorobenzidine
 Concen: 21.973 ng/ul
 RT: 21.292 min Scan# 3095
 Delta R.T. 0.006 min
 Lab File: BM036389.D
 Acq: 23 Aug 2022 13:57

Instrument :
 BNA_M
 ClientSampleId :
 X3C27



Tgt Ion:252 Resp: 384129
 Ion Ratio Lower Upper
 252 100
 254 63.7 52.4 78.6
 126 12.3 10.8 16.2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/24/2022
 Supervised By :Sohil Jodhani 08/24/2022

