

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
 Data File : BM039172.D
 Acq On : 27 Mar 2023 22:24
 Operator : CG/JU
 Sample : 02021-15 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-46B-032023

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/28/2023
 Supervised By : Jagrut Upadhyay 03/28/2023

Quant Time: Mar 28 01:54:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 28 01:46:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	292543	20.000	ng	0.00
21) Naphthalene-d8	10.763	136	1145055	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	673817	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	1438055	20.000	ng	0.00
76) Chrysene-d12	21.521	240	1372485	20.000	ng	0.00
86) Perylene-d12	23.950	264	1562168	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	800911	41.594	ng	0.00
7) Phenol-d6	7.116	99	1013381	40.518	ng	0.00
23) Nitrobenzene-d5	9.116	82	594320	25.495	ng	0.00
42) 2,4,6-Tribromophenol	16.080	330	341792	43.848	ng	0.00
45) 2-Fluorobiphenyl	13.215	172	1269799	24.532	ng	0.00
79) Terphenyl-d14	19.956	244	2008010	26.749	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.380	178	891827	10.567	ng	99
72) Anthracene	17.468	178	248099	2.948	ng	100
75) Fluoranthene	19.397	202	2300196	25.812	ng	100
78) Pyrene	19.756	202	2386389	23.150	ng	99
81) Benzo(a)anthracene	21.503	228	1365558	13.816	ng	98
83) Chrysene	21.556	228	1166062	12.130	ng	98
84) Bis(2-ethylhexyl)phtha...	21.421	149	66168	3.475	ng	# 94
87) Indeno(1,2,3-cd)pyrene	26.473	276	903864	7.604	ng	96
88) Benzo(b)fluoranthene	23.209	252	1803442m	18.070	ng	
89) Benzo(k)fluoranthene	23.250	252	461369m	4.442	ng	
90) Benzo(a)pyrene	23.838	252	1333554	13.884	ng	97
91) Dibenzo(a,h)anthracene	26.485	278	238006	2.364	ng	# 81
92) Benzo(g,h,i)perylene	27.256	276	927152	9.414	ng	98

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

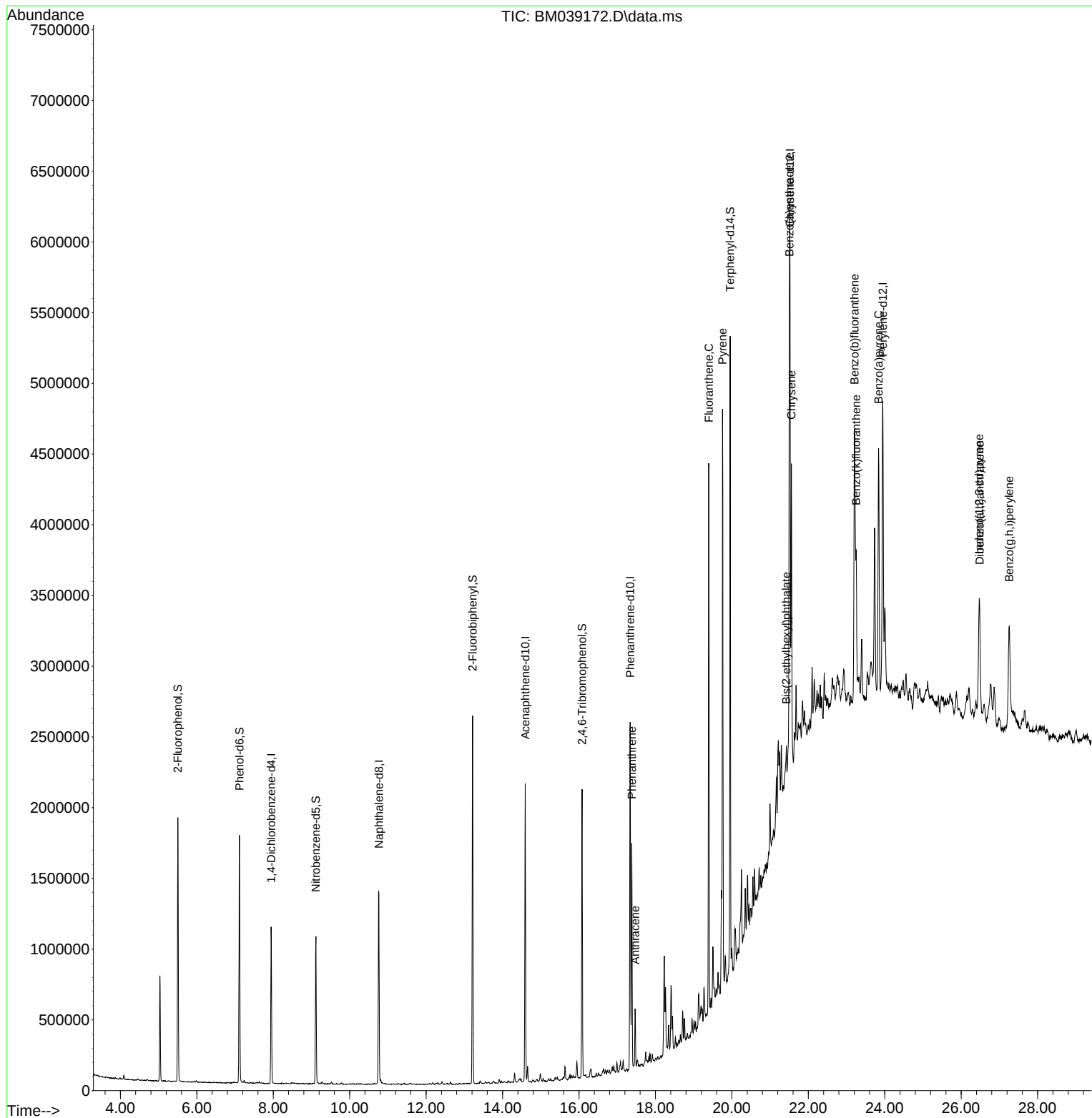
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039172.D
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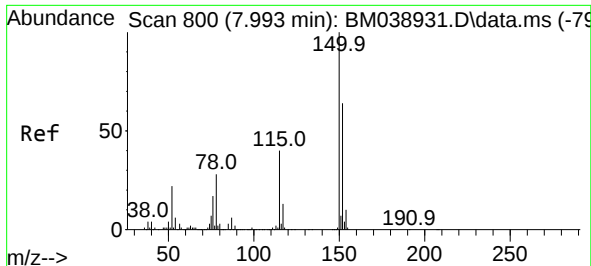
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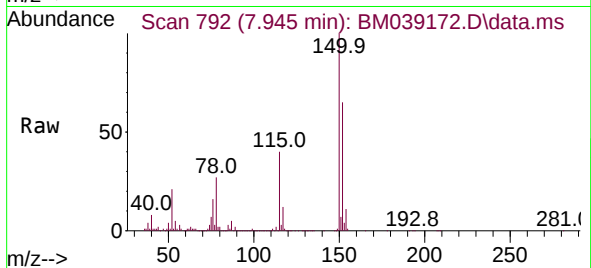
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 28 01:46:09 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.945 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

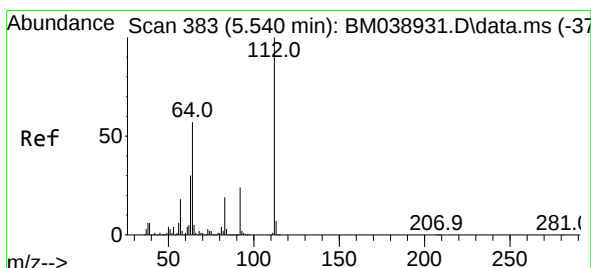
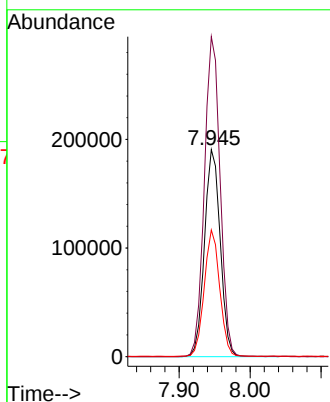
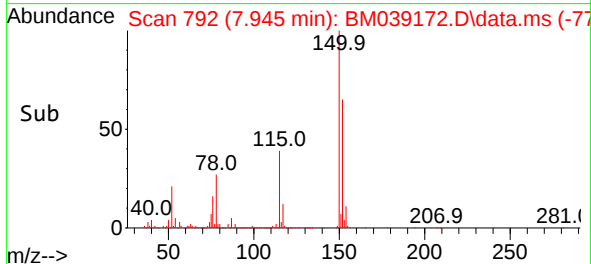
Instrument :
BNA_M
ClientSampleId :
JPP-46B-032023



Tgt Ion:152 Resp: 292543
Ion Ratio Lower Upper
152 100
150 154.7 125.1 187.7
115 61.2 49.6 74.4

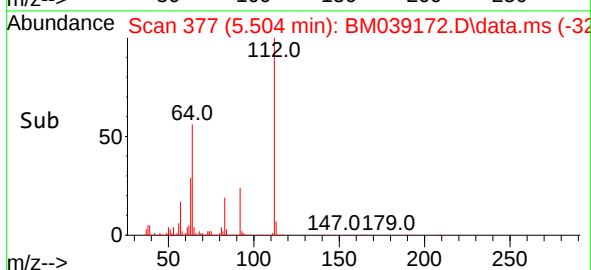
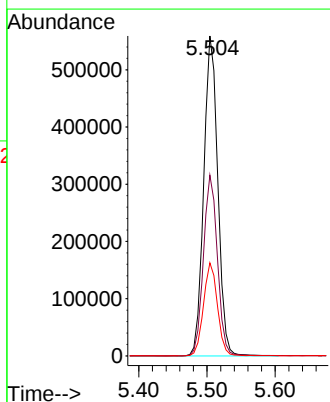
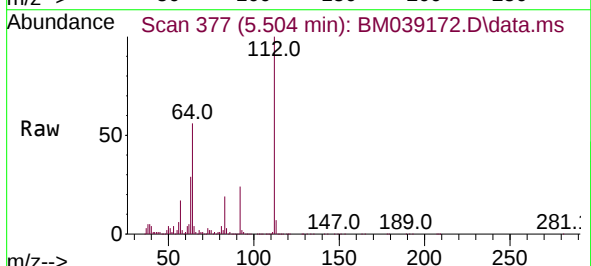
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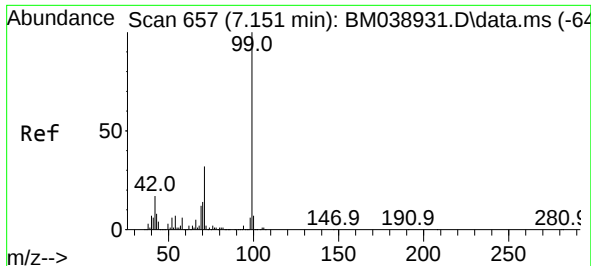
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#5
2-Fluorophenol
Concen: 41.594 ng
RT: 5.504 min Scan# 377
Delta R.T. 0.006 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

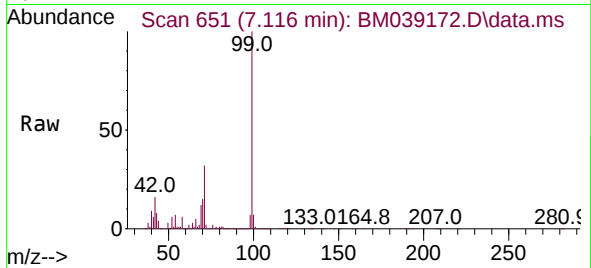
Tgt Ion:112 Resp: 800911
Ion Ratio Lower Upper
112 100
64 56.5 45.9 68.9
63 29.1 23.8 35.8





#7
Phenol-d6
Concen: 40.518 ng
RT: 7.116 min Scan# 651
Delta R.T. 0.006 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

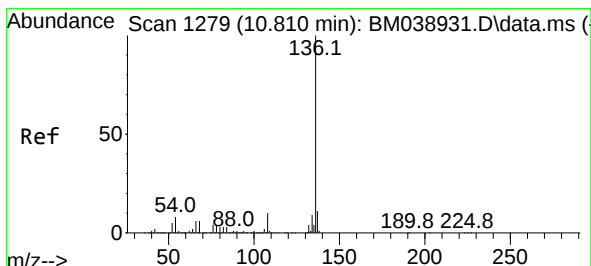
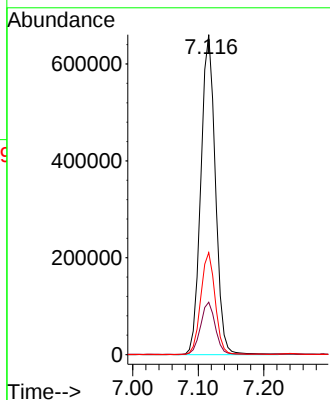
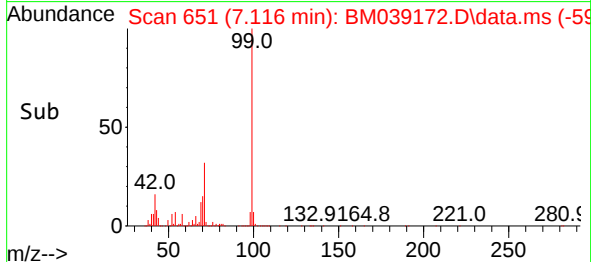
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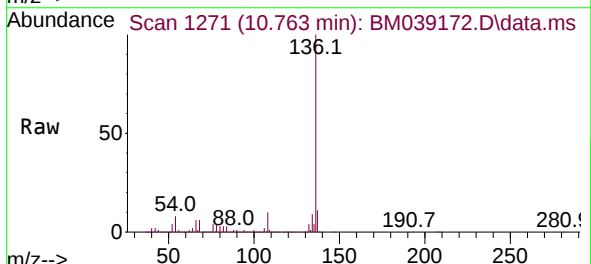
Tgt Ion: 99 Resp: 101338
Ion Ratio Lower Upper
99 100
42 16.4 13.5 20.3
71 31.9 25.6 38.4

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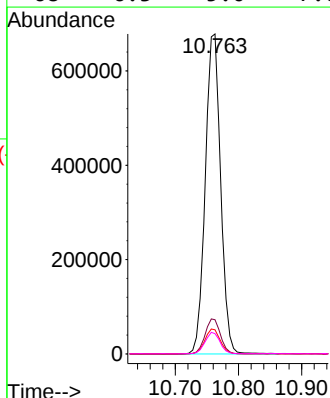
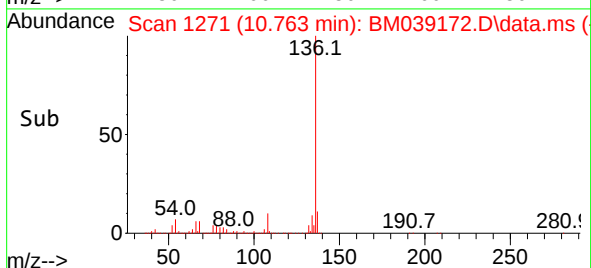
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Supervised By :Jagrut Upadhyay 03/28/2023

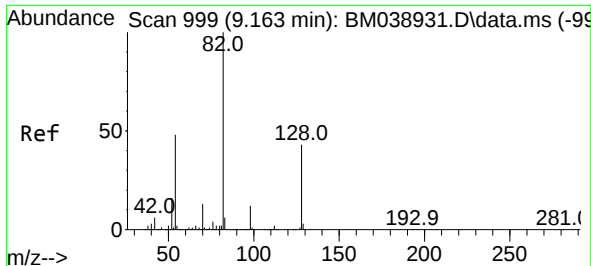


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.763 min Scan# 1271
Delta R.T. 0.006 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24



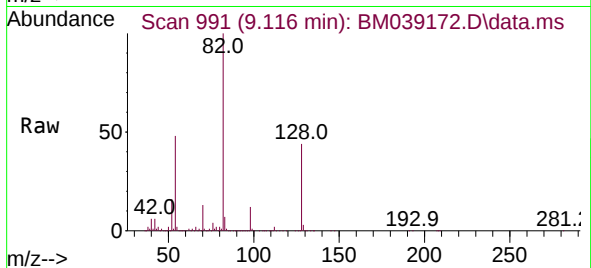
Tgt Ion:136 Resp: 1145055
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.5 6.3 9.5
68 6.3 5.0 7.6





#23
Nitrobenzene-d5
Concen: 25.495 ng
RT: 9.116 min Scan# 991
Delta R.T. -0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

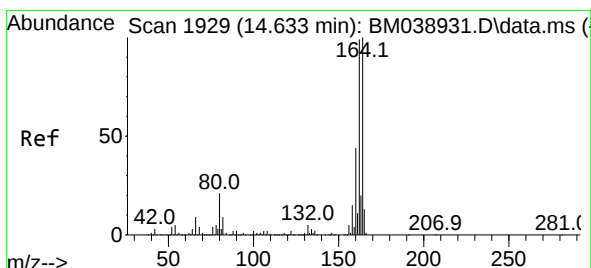
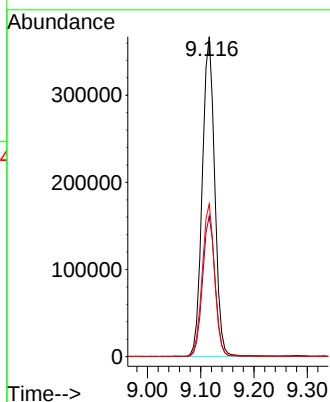
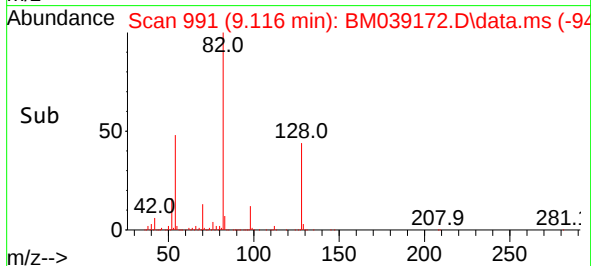
Instrument :
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ClientSampleId :
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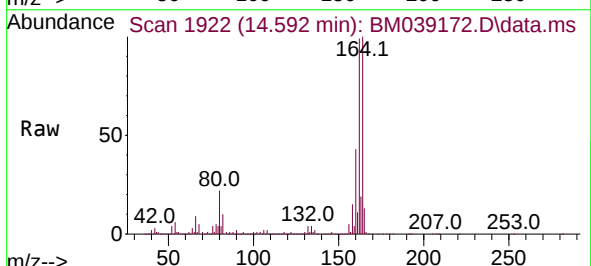
Tgt Ion: 82 Resp: 594320
Ion Ratio Lower Upper
82 100
128 43.9 34.4 51.6
54 47.7 38.8 58.2

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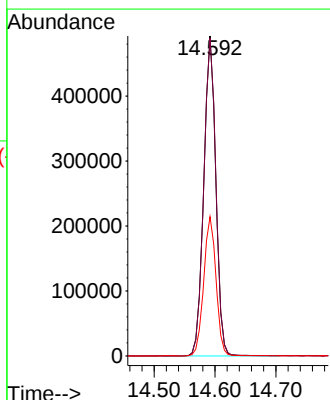
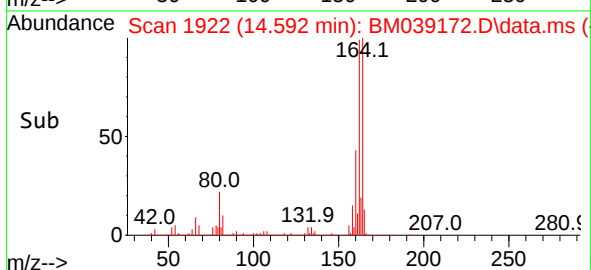
Reviewed By :Christian Giraldo 03/28/2023
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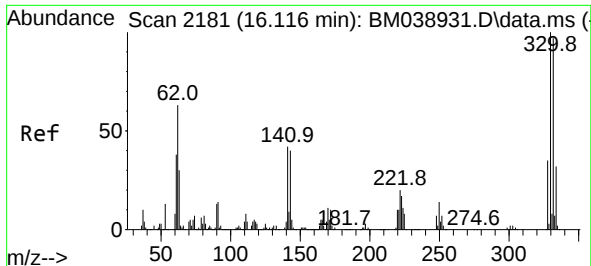


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24



Tgt Ion:164 Resp: 673817
Ion Ratio Lower Upper
164 100
162 99.4 79.2 118.8
160 43.5 35.5 53.3





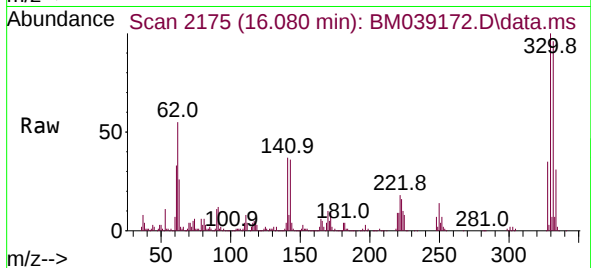
#42
2,4,6-Tribromophenol
Concen: 43.848 ng
RT: 16.080 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

Instrument :

BNA_M

ClientSampleId :

JPP-46B-032023

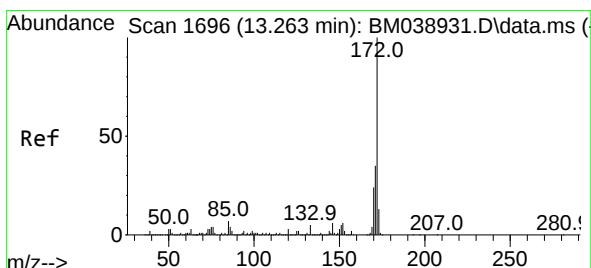
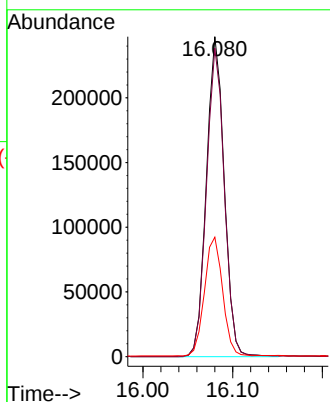
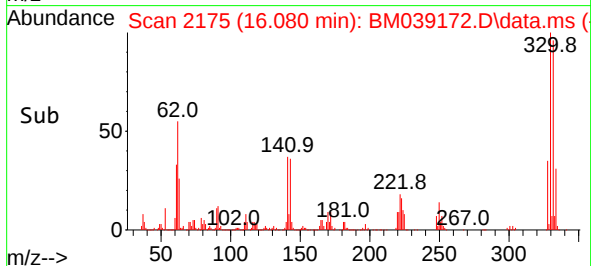


Tgt Ion:330 Resp: 341792
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.0
141 37.7 32.2 48.4

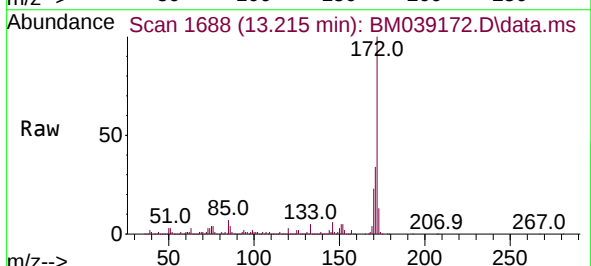
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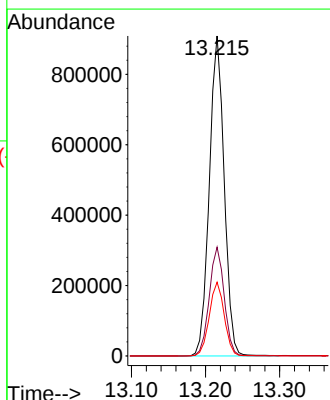
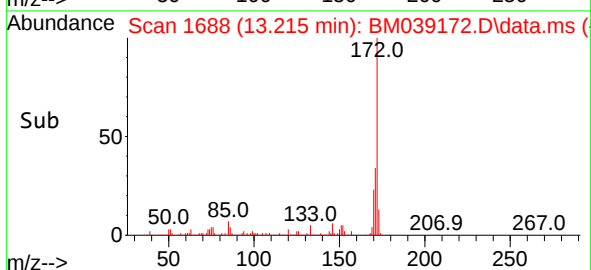
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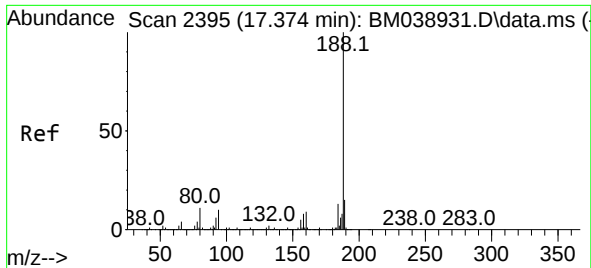


#45
2-Fluorobiphenyl
Concen: 24.532 ng
RT: 13.215 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24



Tgt Ion:172 Resp: 1269799
Ion Ratio Lower Upper
172 100
171 34.0 28.2 42.2
170 23.0 19.1 28.7





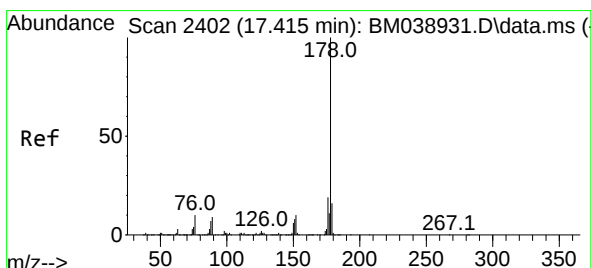
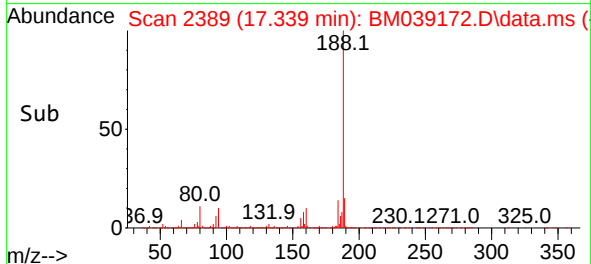
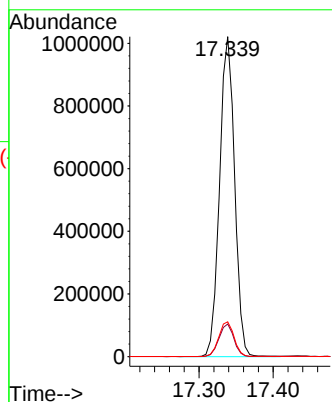
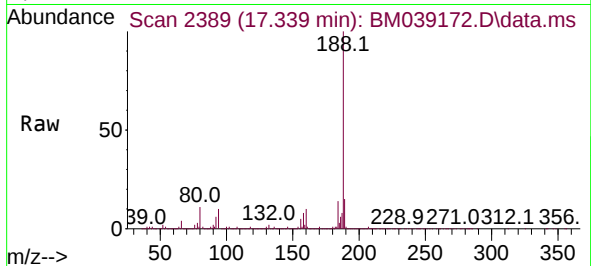
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2395
Delta R.T. 0.006 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

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BNA_M
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JPP-46B-032023

Tgt Ion:188 Resp: 143805
Ion Ratio Lower Upper
188 100
94 10.2 7.9 11.9
80 10.9 8.5 12.7

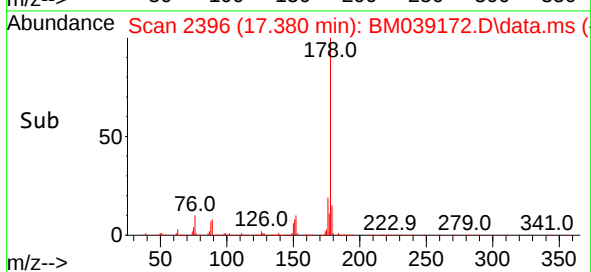
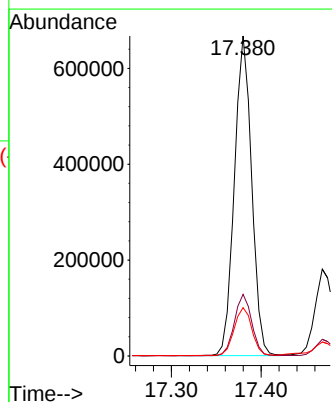
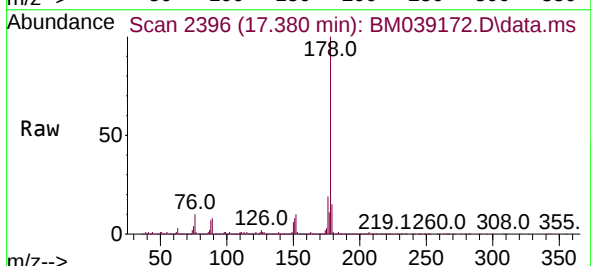
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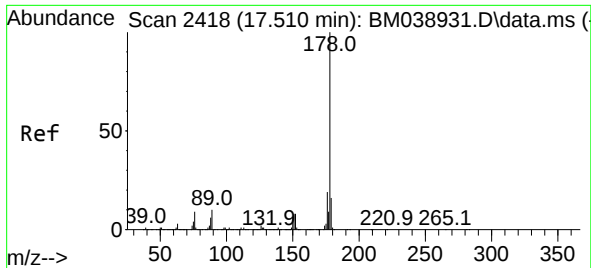
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#71
Phenanthrene
Concen: 10.567 ng
RT: 17.380 min Scan# 2396
Delta R.T. -0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

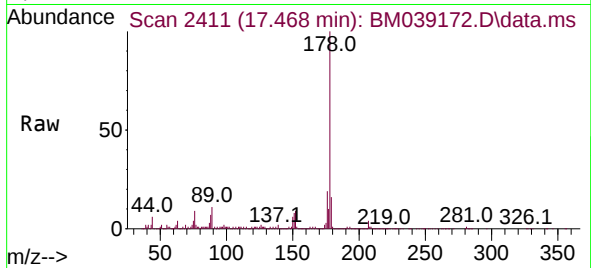
Tgt Ion:178 Resp: 891827
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.1 12.5 18.7





#72
 Anthracene
 Concen: 2.948 ng
 RT: 17.468 min Scan# 2418
 Delta R.T. -0.000 min
 Lab File: BM039172.D
 Acq: 27 Mar 2023 22:24

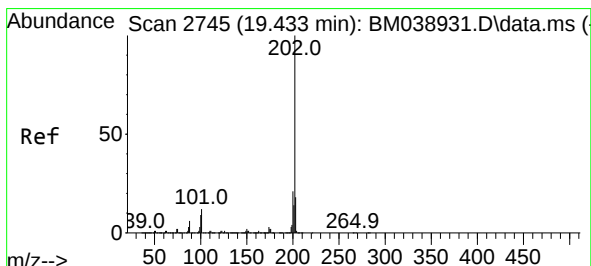
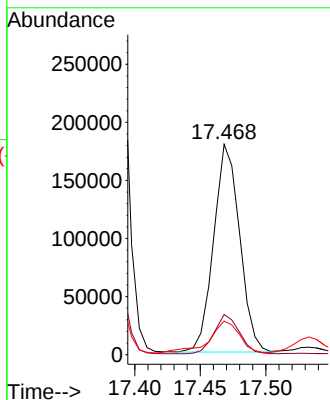
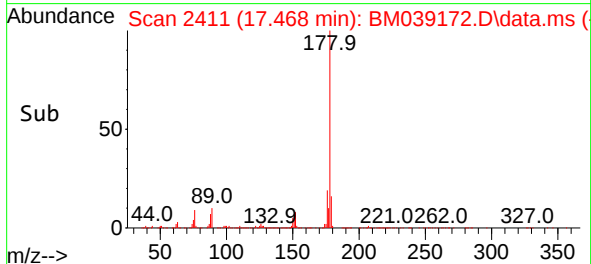
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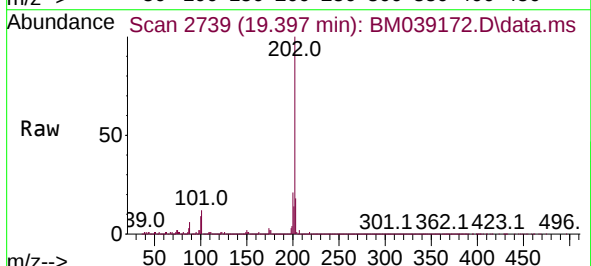
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 Ion Ratio Lower Upper
 178 100
 176 19.1 15.3 22.9
 179 16.0 12.5 18.7

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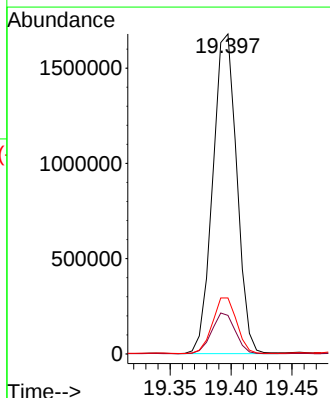
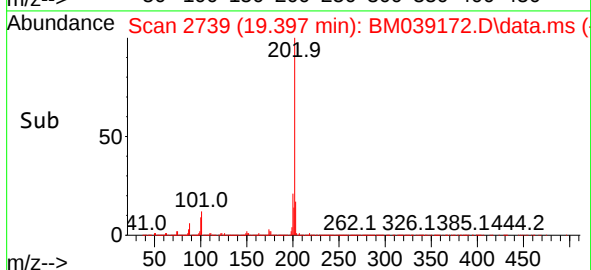
Reviewed By :Christian Giraldo 03/28/2023
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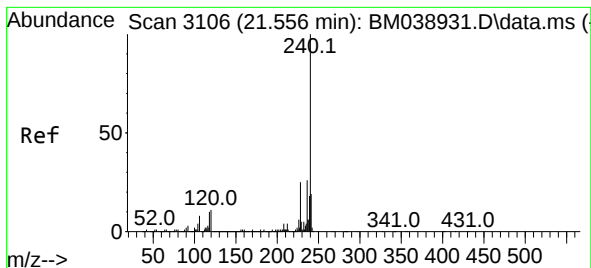


#75
 Fluoranthene
 Concen: 25.812 ng
 RT: 19.397 min Scan# 2739
 Delta R.T. 0.006 min
 Lab File: BM039172.D
 Acq: 27 Mar 2023 22:24



Tgt Ion:202 Resp: 2300196
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 31.7
 203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.521 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

Instrument :

BNA_M

ClientSampleId :

JPP-46B-032023

Tgt Ion:240 Resp: 1372485

Ion Ratio Lower Upper

240 100

120 12.0 9.2 13.8

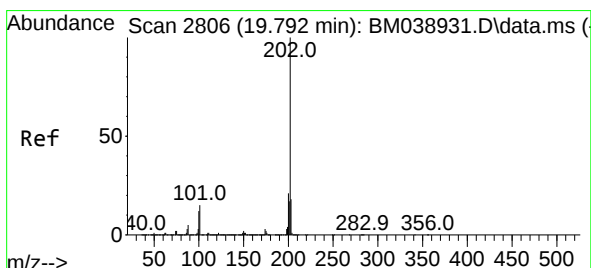
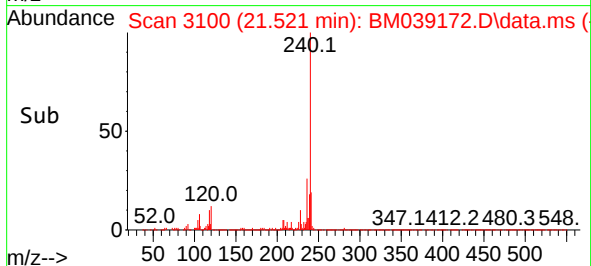
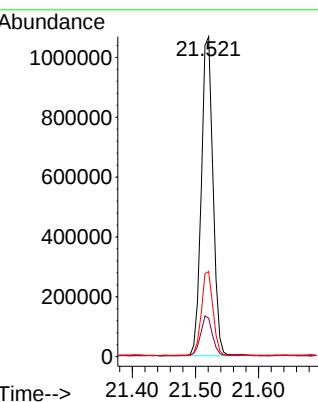
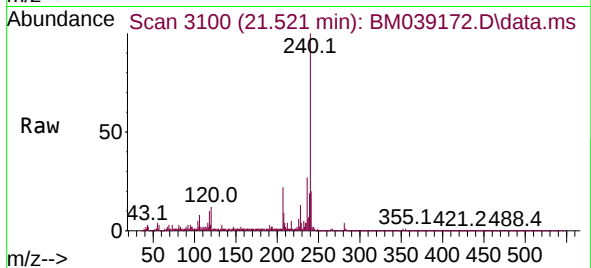
236 26.6 20.8 31.2

Manual Integrations

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#78

Pyrene

Concen: 23.150 ng

RT: 19.756 min Scan# 2800

Delta R.T. -0.000 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

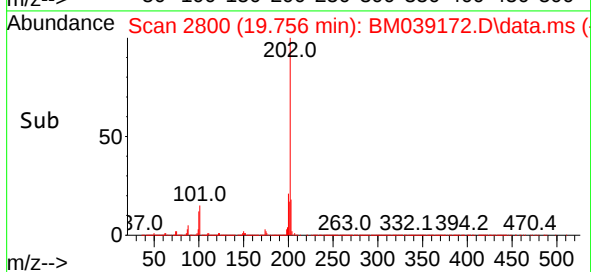
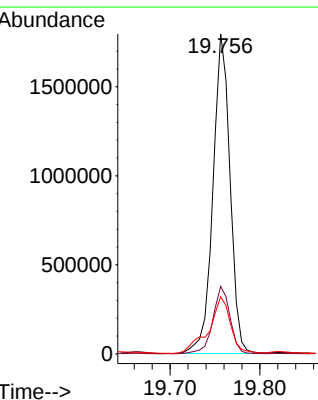
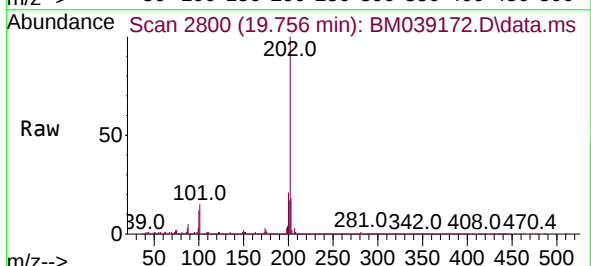
Tgt Ion:202 Resp: 2386389

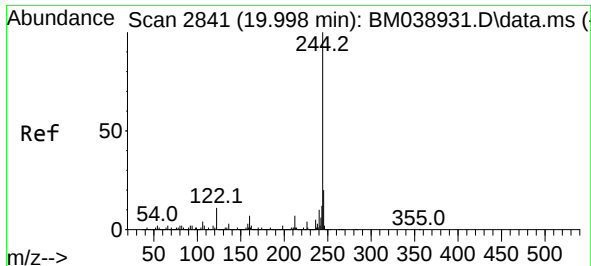
Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 17.8 14.1 21.1





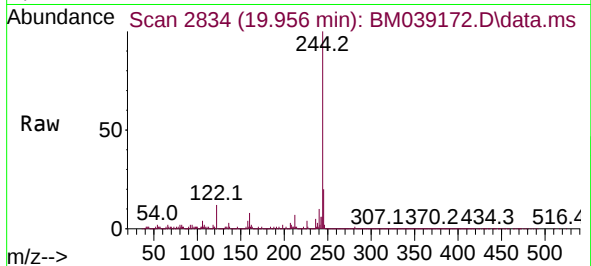
#79
Terphenyl-d14
Concen: 26.749 ng
RT: 19.956 min Scan# 2841
Delta R.T. -0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

Instrument :

BNA_M

ClientSampleId :

JPP-46B-032023

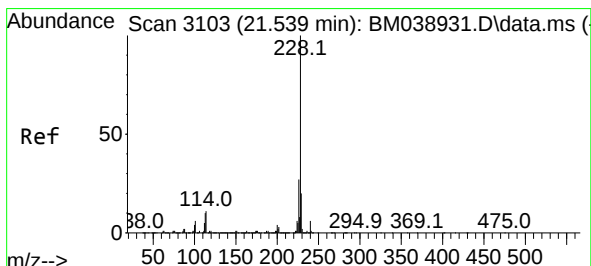
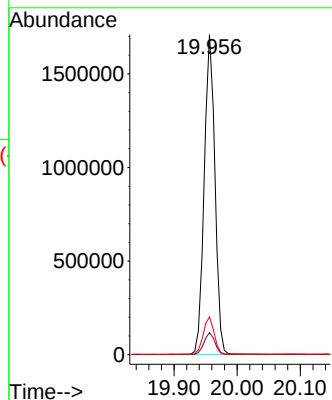
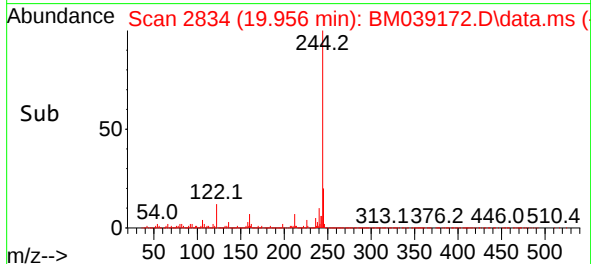


Tgt Ion:244 Resp: 2008010
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 11.8 9.0 13.4

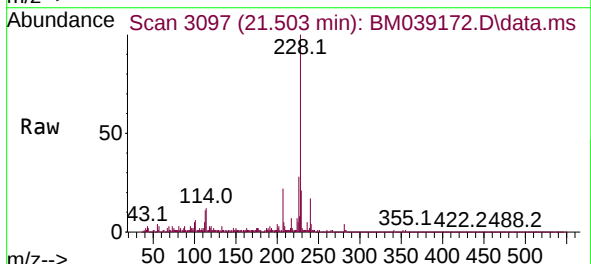
Manual Integrations

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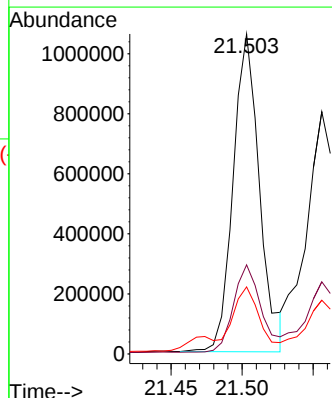
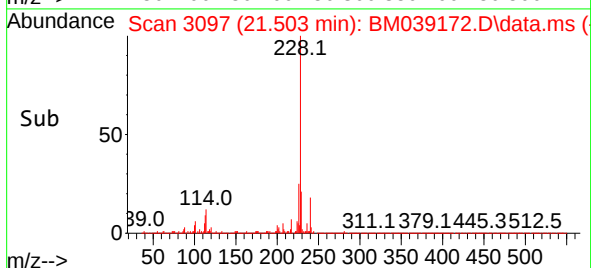
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023

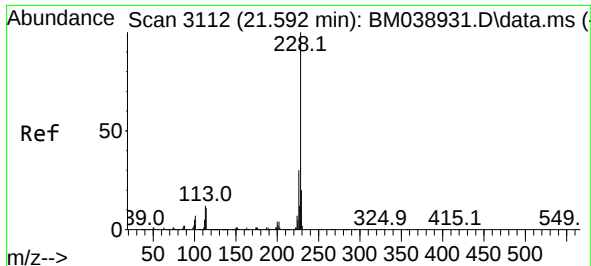


#81
Benzo(a)anthracene
Concen: 13.816 ng
RT: 21.503 min Scan# 3097
Delta R.T. 0.006 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24



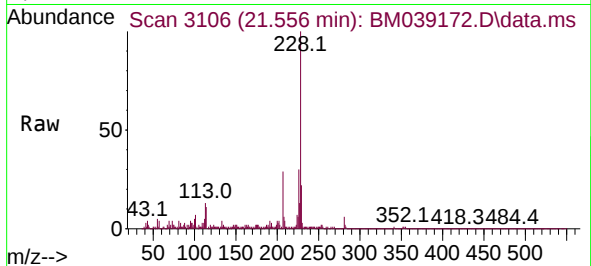
Tgt Ion:228 Resp: 1365558
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.2
229 20.9 15.7 23.5





#83
Chrysene
Concen: 12.130 ng
RT: 21.556 min Scan# 3112
Delta R.T. 0.006 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

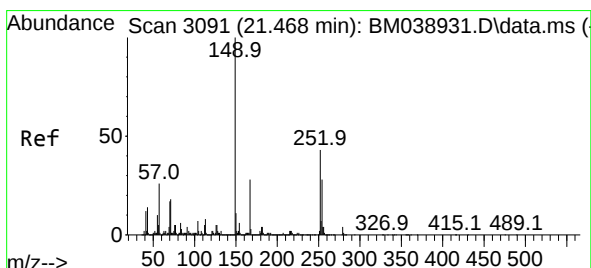
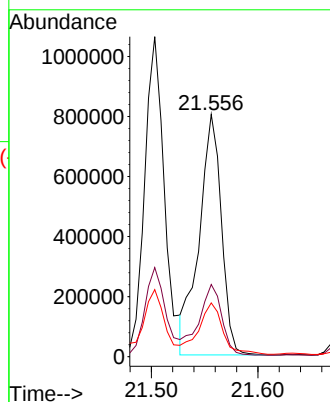
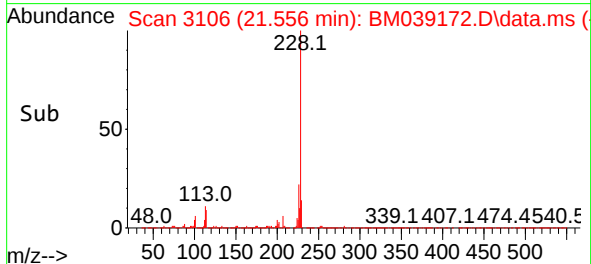
Instrument :
BNA_M
ClientSampleId :
JPP-46B-032023



Tgt Ion:228 Resp: 1166062
Ion Ratio Lower Upper
228 100
226 29.7 24.0 36.0
229 22.2 16.0 24.0

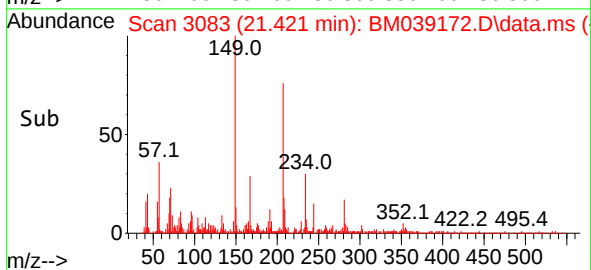
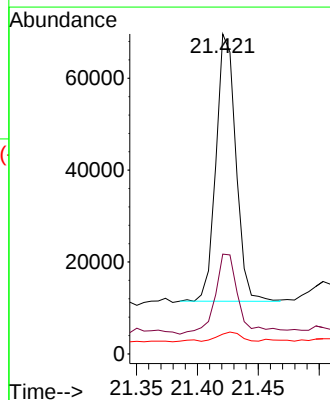
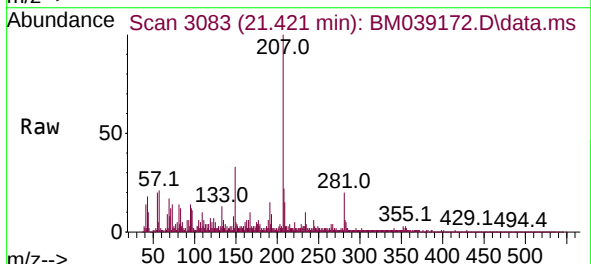
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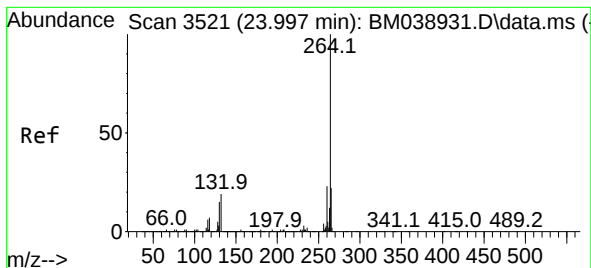
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.475 ng
RT: 21.421 min Scan# 3083
Delta R.T. -0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

Tgt Ion:149 Resp: 66168
Ion Ratio Lower Upper
149 100
167 31.2 22.3 33.5
279 6.2 3.2 4.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.950 min Scan# 3513

Delta R.T. 0.012 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

Instrument :

BNA_M

ClientSampleId :

JPP-46B-032023

Tgt Ion:264 Resp: 1562168

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

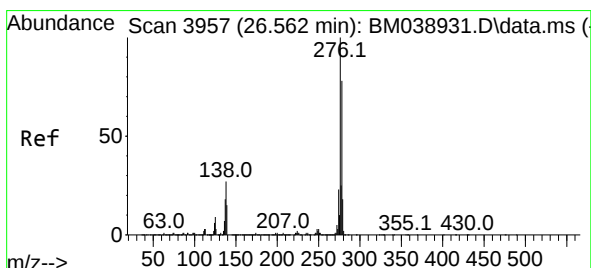
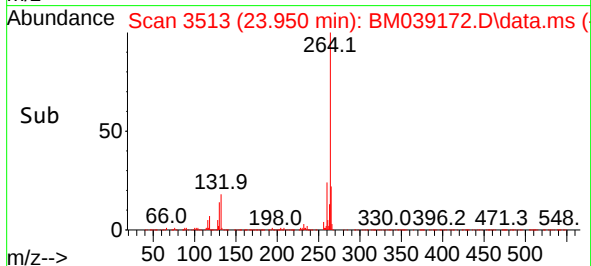
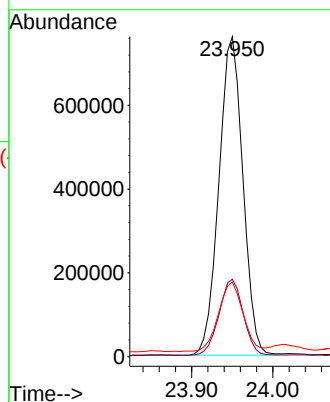
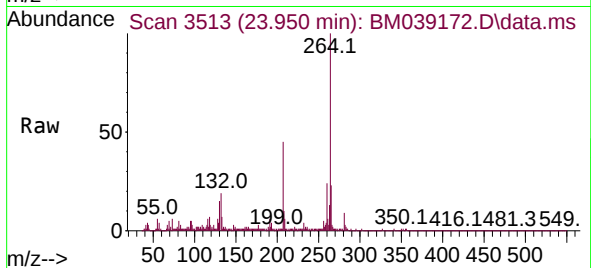
265 23.3 17.9 26.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/28/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.604 ng

RT: 26.473 min Scan# 3942

Delta R.T. 0.006 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

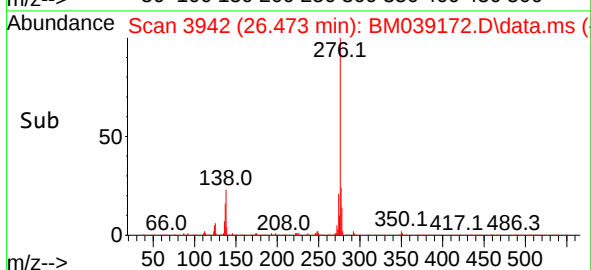
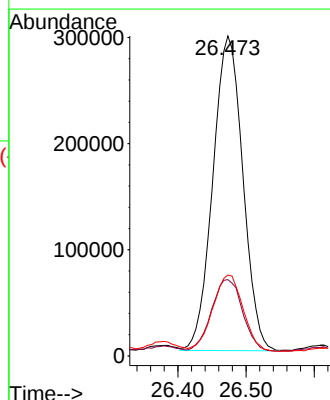
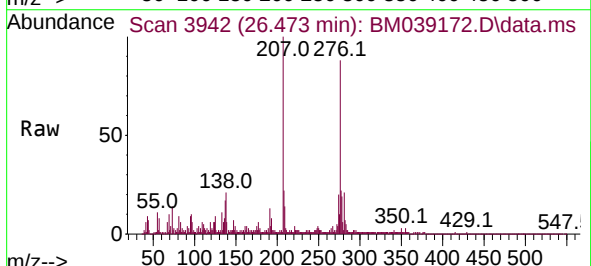
Tgt Ion:276 Resp: 903864

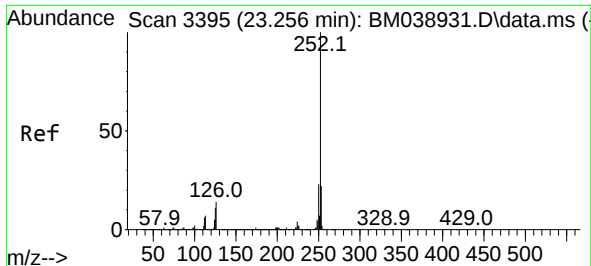
Ion Ratio Lower Upper

276 100

138 23.6 22.1 33.1

277 24.7 20.1 30.1





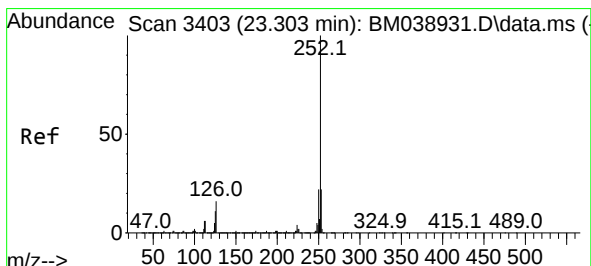
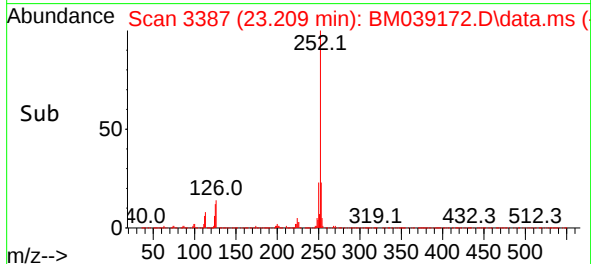
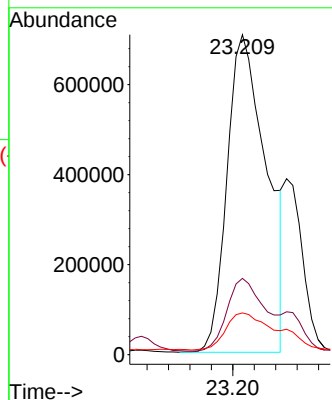
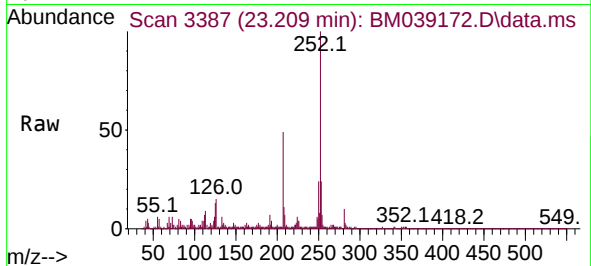
#88
Benzo(b)fluoranthene
Concen: 18.070 ng m
RT: 23.209 min Scan# 3394
Delta R.T. 0.012 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

Instrument :
BNA_M
ClientSampleId :
JPP-46B-032023

Tgt Ion:252 Resp: 180344
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 13.0 8.8 13.2

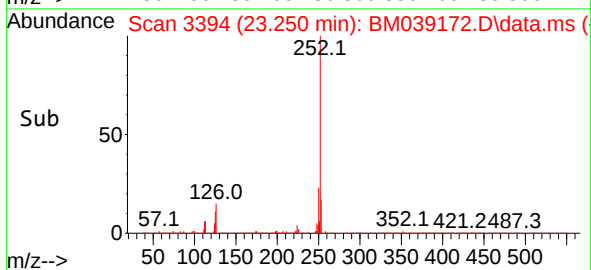
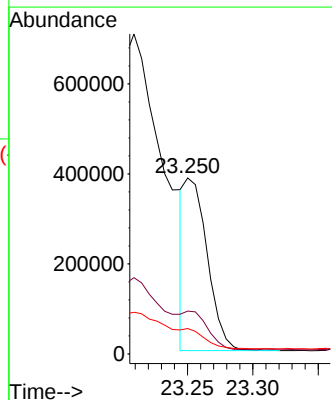
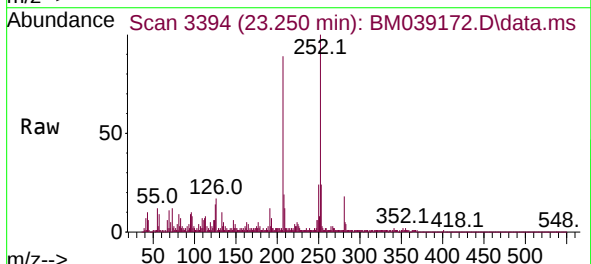
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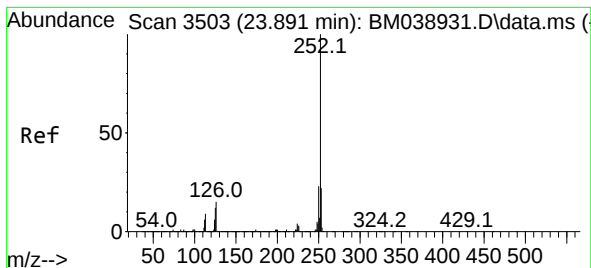
Reviewed By :Christian Giraldo 03/28/2023
Supervised By :Jagrut Upadhyay 03/28/2023



#89
Benzo(k)fluoranthene
Concen: 4.442 ng m
RT: 23.250 min Scan# 3394
Delta R.T. -0.000 min
Lab File: BM039172.D
Acq: 27 Mar 2023 22:24

Tgt Ion:252 Resp: 461369
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 14.4 8.9 13.3#





#90

Benzo(a)pyrene

Concen: 13.884 ng

RT: 23.838 min Scan# 34

Delta R.T. 0.006 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

Instrument :

BNA_M

ClientSampleId :

JPP-46B-032023

Tgt Ion:252 Resp: 1333554

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

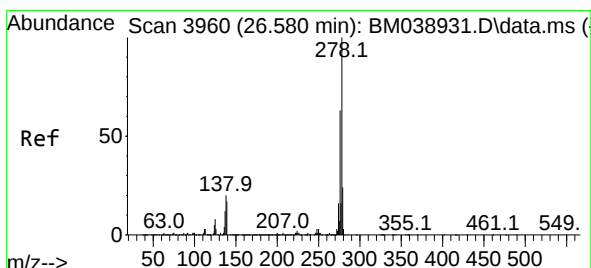
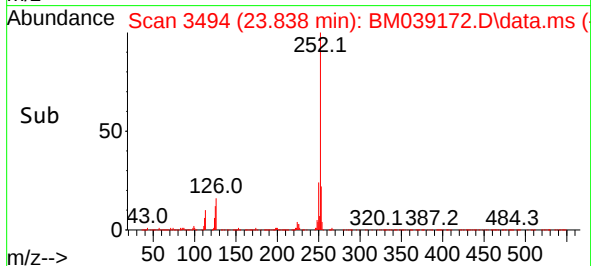
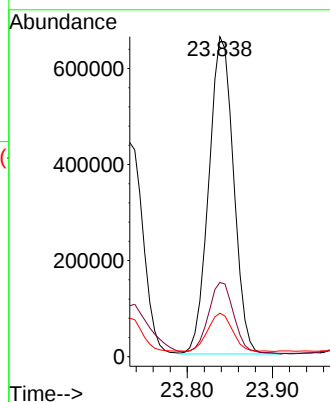
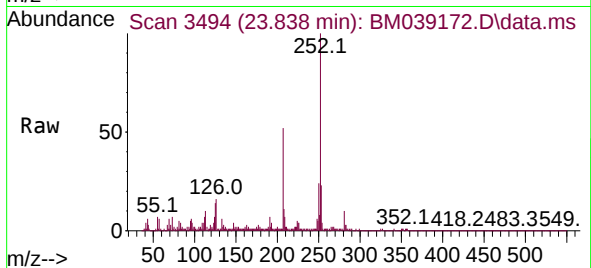
125 13.6 9.8 14.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/28/2023

Supervised By :Jagrut Upadhyay 03/28/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.364 ng

RT: 26.485 min Scan# 3944

Delta R.T. 0.006 min

Lab File: BM039172.D

Acq: 27 Mar 2023 22:24

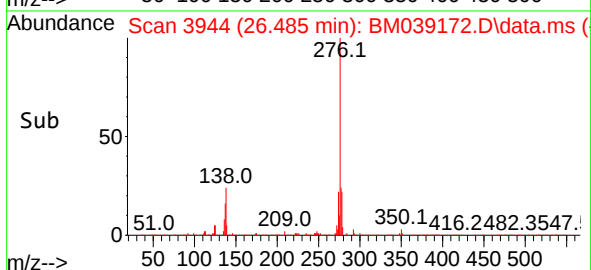
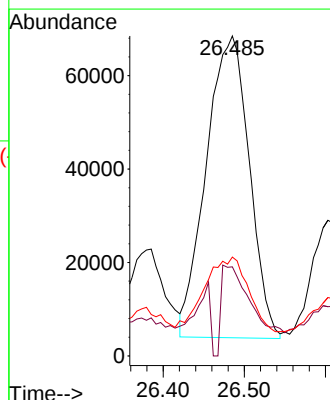
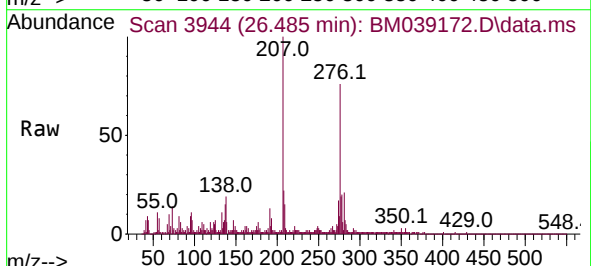
Tgt Ion:278 Resp: 238006

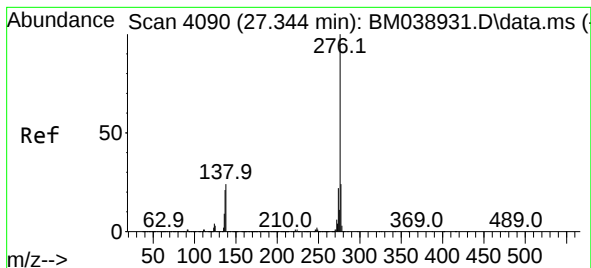
Ion Ratio Lower Upper

278 100

139 27.8 13.7 20.5#

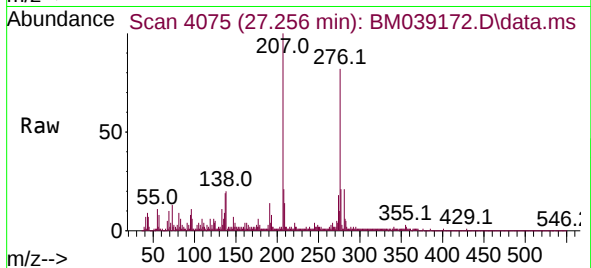
279 30.9 18.9 28.3#





#92
 Benzo(g,h,i)perylene
 Concen: 9.414 ng
 RT: 27.256 min Scan# 4090
 Delta R.T. 0.012 min
 Lab File: BM039172.D
 Acq: 27 Mar 2023 22:24

Instrument :
 BNA_M
 ClientSampleId :
 JPP-46B-032023



Tgt Ion:	276	Resp:	927152
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.3	28.9
138	24.9	19.0	28.6

Manual Integrations
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Reviewed By :Christian Giraldo 03/28/2023
 Supervised By :Jagrut Upadhyay 03/28/2023

