

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039109.D
 Acq On : 23 Mar 2023 01:46
 Operator : CG/JU
 Sample : 01932-15 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-6A-031423

Manual Integrations
 APPROVED

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

Quant Time: Mar 23 04:29:28 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	325309	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	1258372	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	704476	20.000	ng	0.00
64) Phenanthrene-d10	17.356	188	1431884	20.000	ng	0.00
76) Chrysene-d12	21.538	240	1183630	20.000	ng	0.00
86) Perylene-d12	23.980	264	1383179	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	366729	17.127	ng	0.00
7) Phenol-d6	7.134	99	458450	16.484	ng	0.00
23) Nitrobenzene-d5	9.133	82	258627	10.096	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	143751	17.639	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	600322	11.093	ng	0.00
79) Terphenyl-d14	19.974	244	811570	12.536	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.674	154	347827	7.895	ng	98
55) Dibenzofuran	15.004	168	331408	4.807	ng	99
58) Fluorene	15.657	166	462264	8.560	ng	100
71) Phenanthrene	17.403	178	8482475	100.936	ng	99
72) Anthracene	17.492	178	2368624	28.263	ng	99
73) Carbazole	17.762	167	469562	6.139	ng	100
75) Fluoranthene	19.421	202	13634521	153.661	ng	91
78) Pyrene	19.786	202	12302210	138.382	ng	97
81) Benzo(a)anthracene	21.527	228	6150989	72.162	ng	96
83) Chrysene	21.580	228	5602805m	67.583	ng	
84) Bis(2-ethylhexyl)phtha...	21.439	149	48436m	3.325	ng	
87) Indeno(1,2,3-cd)pyrene	26.532	276	4178976	39.705	ng	95
88) Benzo(b)fluoranthene	23.244	252	8028397	90.853	ng	98
89) Benzo(k)fluoranthene	23.285	252	2498852m	27.172	ng	
90) Benzo(a)pyrene	23.880	252	5825101	68.494	ng	98
91) Dibenzo(a,h)anthracene	26.532	278	1043627	11.709	ng	# 79
92) Benzo(g,h,i)perylene	27.320	276	4033802	46.257	ng	99

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

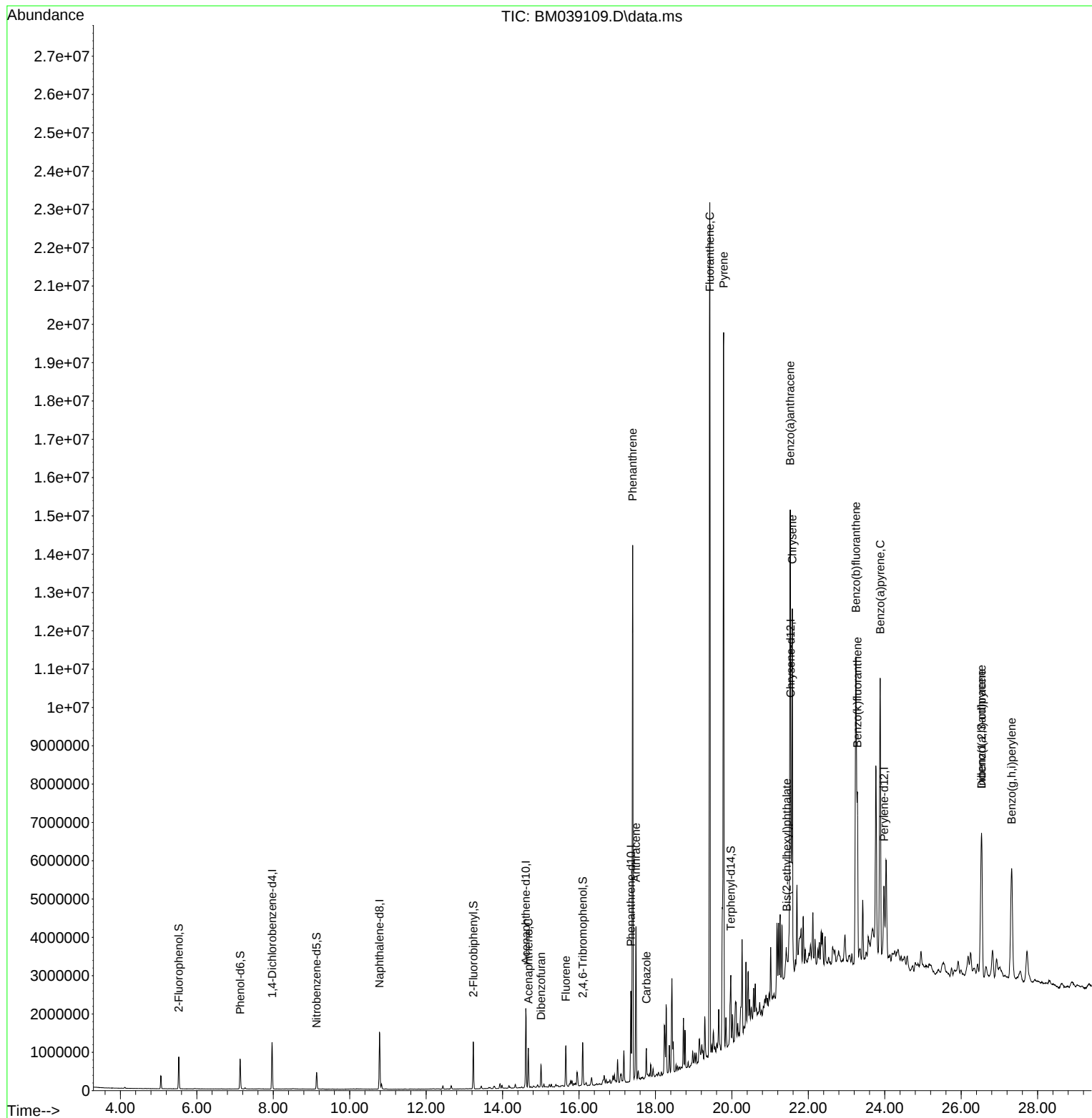
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
Data File : BM039109.D
Acq On : 23 Mar 2023 01:46
Operator : CG/JU
Sample : 01932-15 5X
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ALS Vial : 18 Sample Multiplier: 1

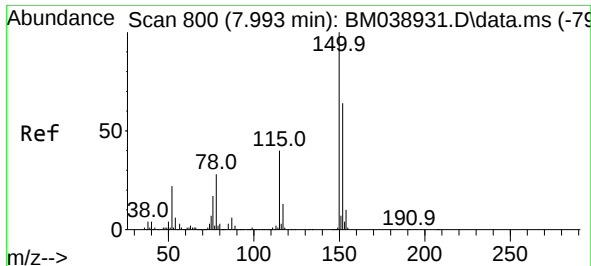
Instrument :
BNA_M
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JPP-6A-031423

Quant Time: Mar 23 04:29:28 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
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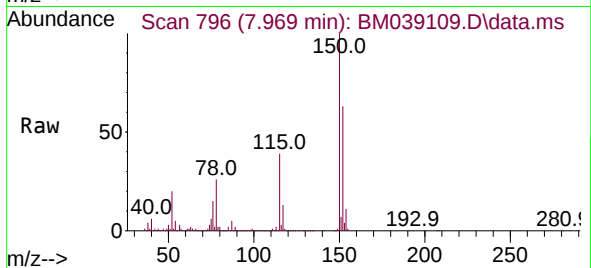
Reviewed By : Christian Giraldo 03/23/2023
Supervised By : Jagrut Upadhyay 03/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46

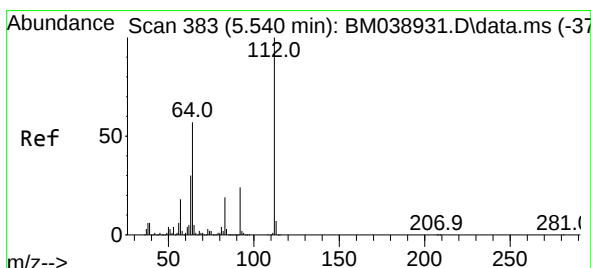
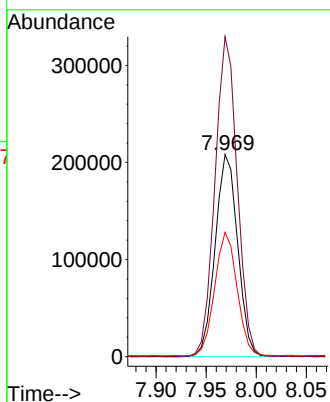
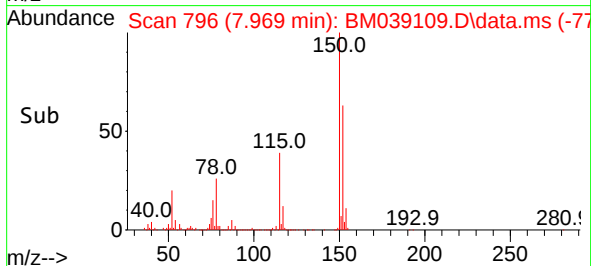
Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423



Tgt Ion:152 Resp: 325309
Ion Ratio Lower Upper
152 100
150 158.2 125.1 187.7
115 61.4 49.6 74.4

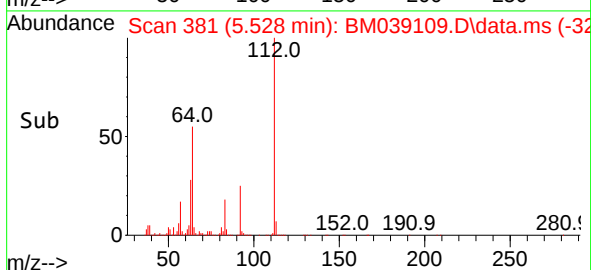
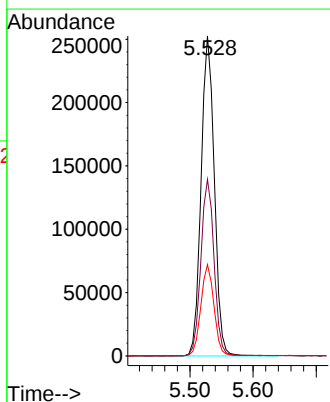
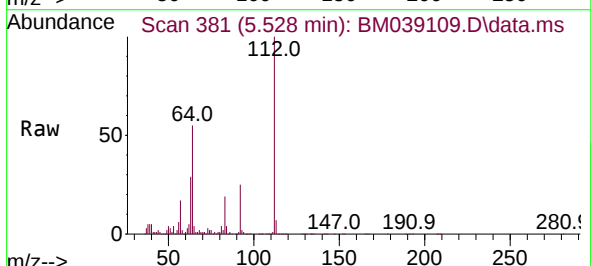
Manual Integrations
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Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#5
2-Fluorophenol
Concen: 17.127 ng
RT: 5.528 min Scan# 381
Delta R.T. 0.006 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46

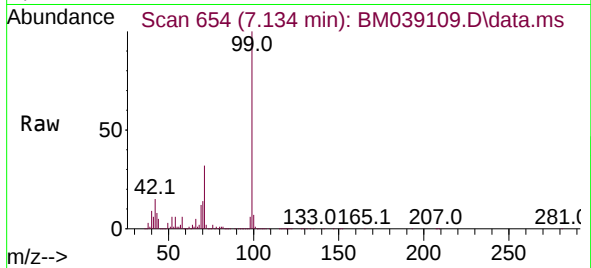
Tgt Ion:112 Resp: 366729
Ion Ratio Lower Upper
112 100
64 55.2 45.9 68.9
63 28.5 23.8 35.8





#7
Phenol-d6
Concen: 16.484 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46

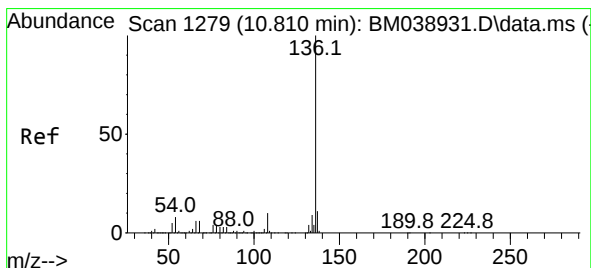
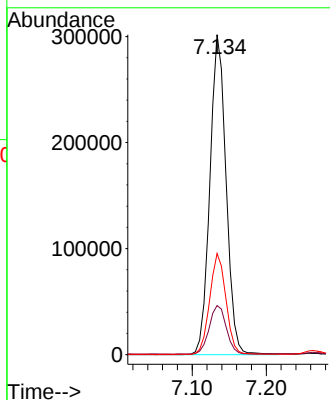
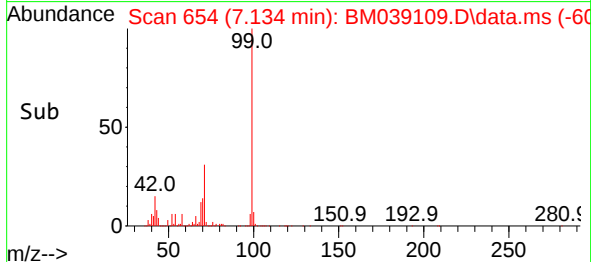
Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423



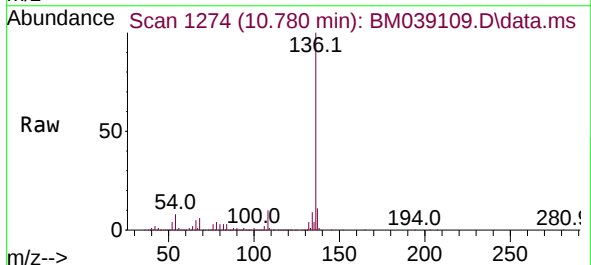
Tgt Ion: 99 Resp: 458450
Ion Ratio Lower Upper
99 100
42 15.4 13.5 20.3
71 31.6 25.6 38.4

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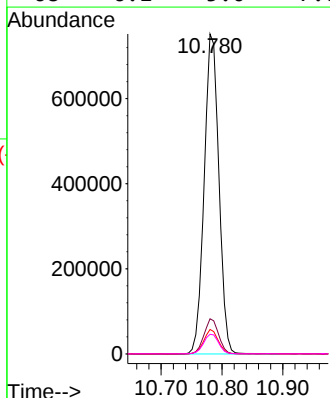
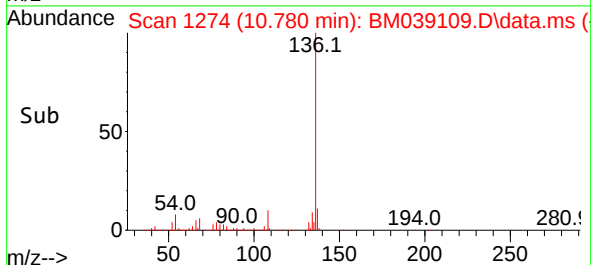
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

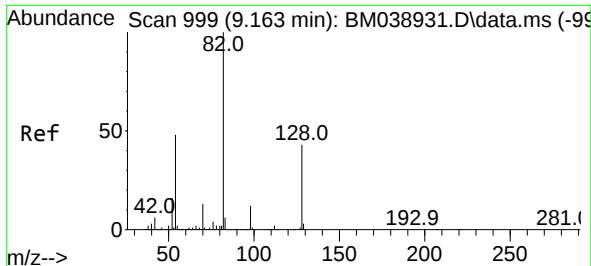


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1274
Delta R.T. -0.000 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46



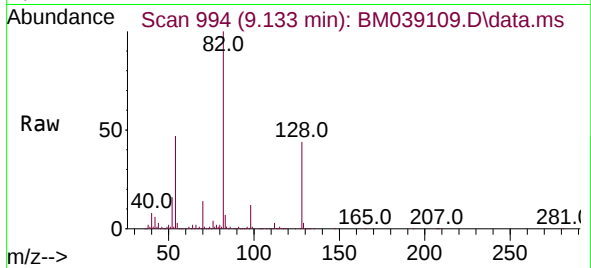
Tgt Ion:136 Resp: 1258372
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.6 6.3 9.5
68 6.1 5.0 7.6





#23
Nitrobenzene-d5
Concen: 10.096 ng
RT: 9.133 min Scan# 999
Delta R.T. -0.006 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46

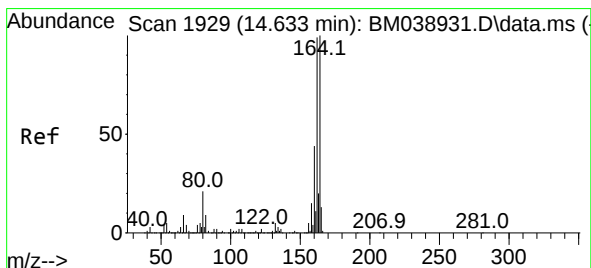
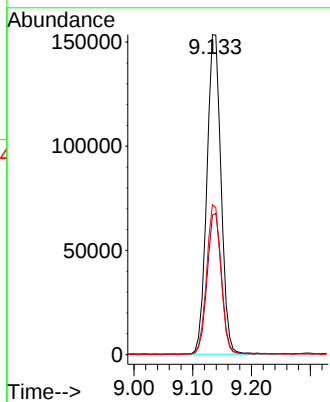
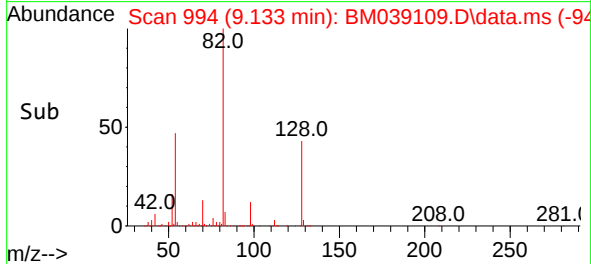
Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423



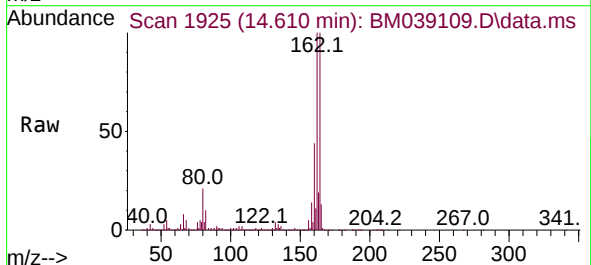
Tgt Ion: 82 Resp: 258627
Ion Ratio Lower Upper
82 100
128 43.6 34.4 51.6
54 46.8 38.8 58.2

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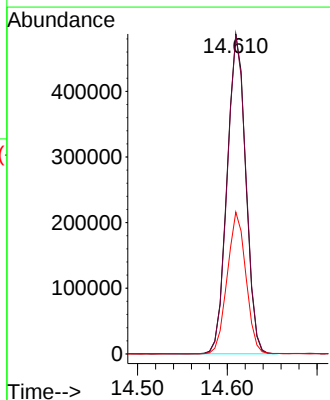
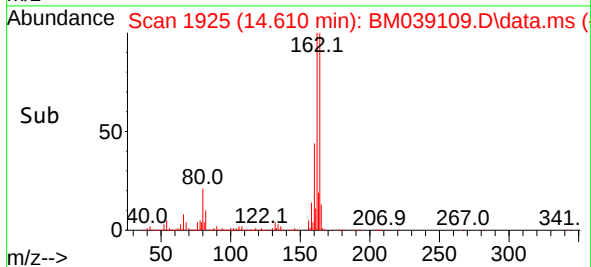
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

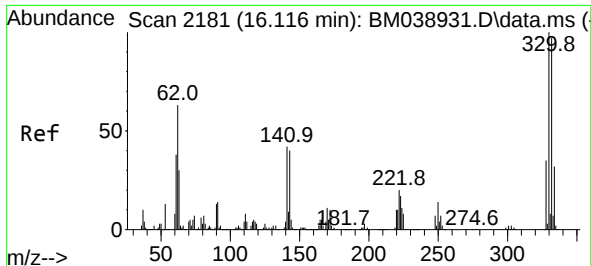


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46



Tgt Ion:164 Resp: 704476
Ion Ratio Lower Upper
164 100
162 99.8 79.2 118.8
160 44.3 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 17.639 ng
RT: 16.098 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46

Instrument :

BNA_M

ClientSampleId :

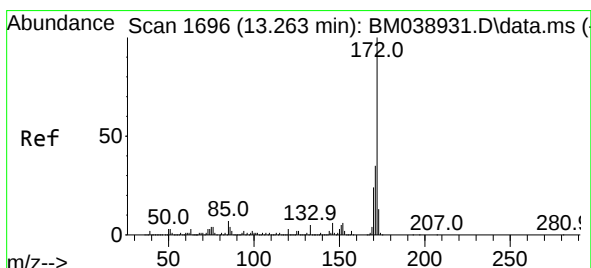
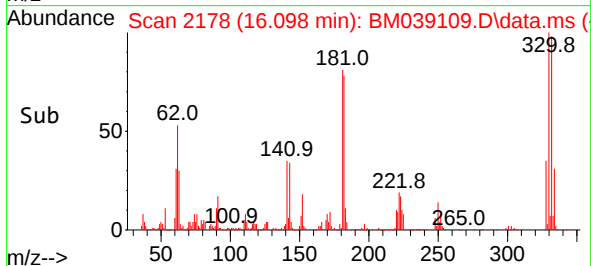
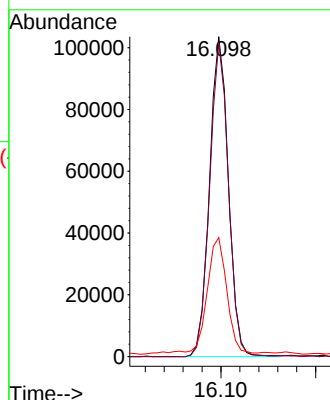
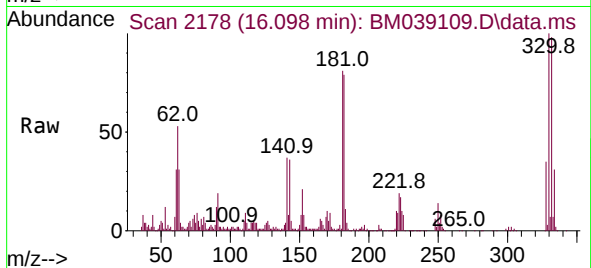
JPP-6A-031423

Tgt Ion:330 Resp: 14375
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.0
141 39.2 32.2 48.4

Manual Integrations

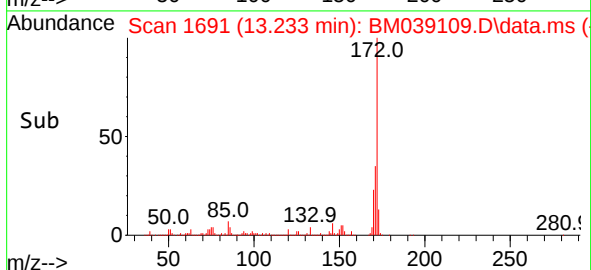
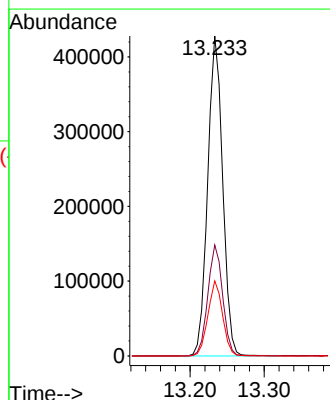
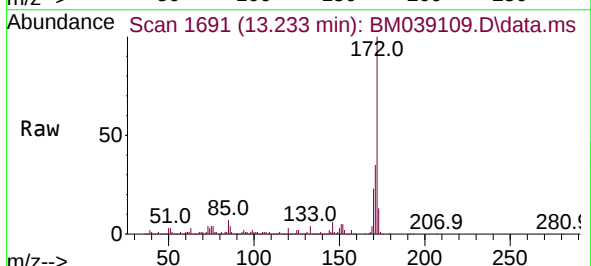
APPROVED

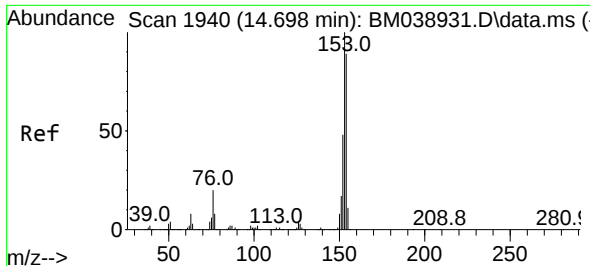
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#45
2-Fluorobiphenyl
Concen: 11.093 ng
RT: 13.233 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46

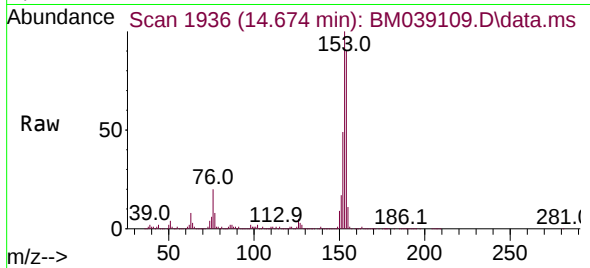
Tgt Ion:172 Resp: 600322
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 23.4 19.1 28.7





#52
Acenaphthene
Concen: 7.895 ng
RT: 14.674 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46

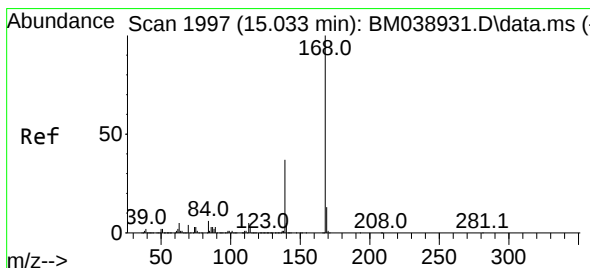
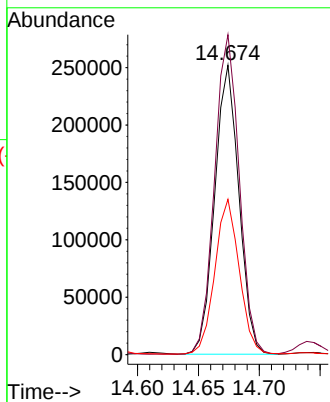
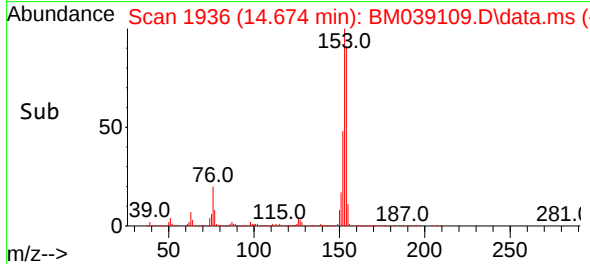
Instrument :
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JPP-6A-031423



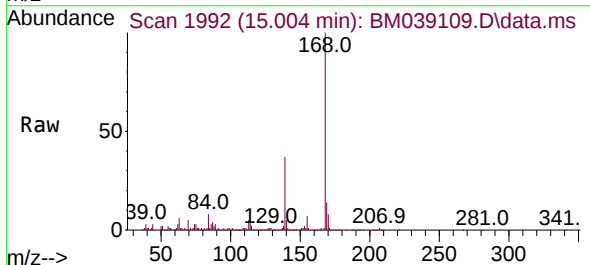
Tgt Ion:154 Resp: 347827
Ion Ratio Lower Upper
154 100
153 110.6 90.2 135.2
152 53.7 43.4 65.2

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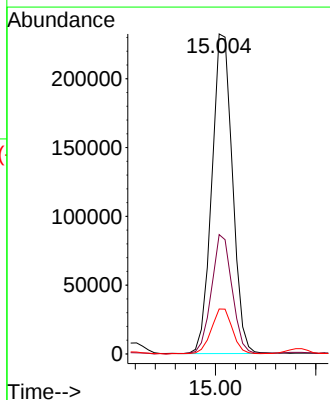
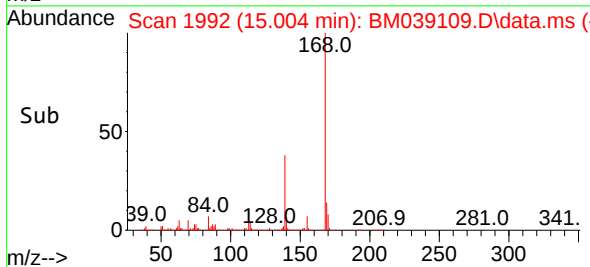
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023

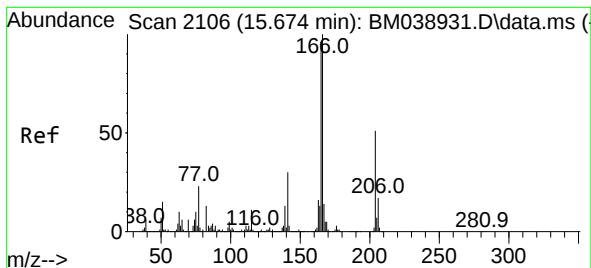


#55
Dibenzofuran
Concen: 4.807 ng
RT: 15.004 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46



Tgt Ion:168 Resp: 331408
Ion Ratio Lower Upper
168 100
139 37.3 29.9 44.9
169 14.0 10.7 16.1





#58

Fluorene

Concen: 8.560 ng

RT: 15.657 min Scan# 2103

Delta R.T. -0.000 min

Lab File: BM039109.D

Acq: 23 Mar 2023 01:46

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423

Tgt Ion:166 Resp: 462264

Ion Ratio Lower Upper

166 100

165 96.8 77.1 115.7

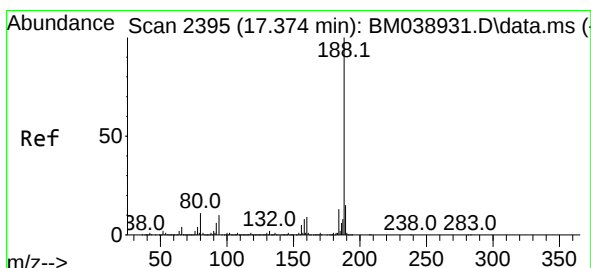
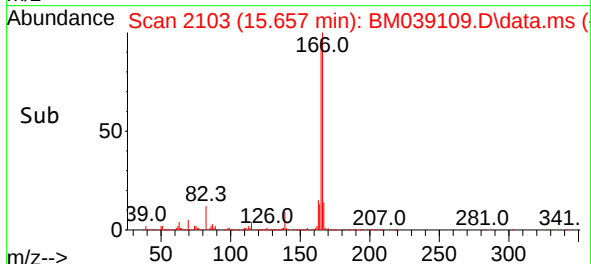
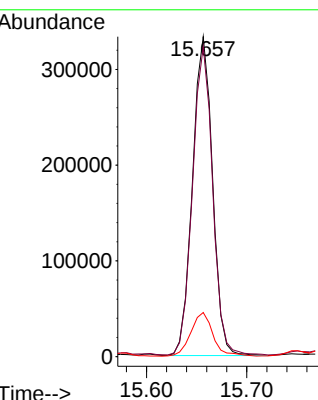
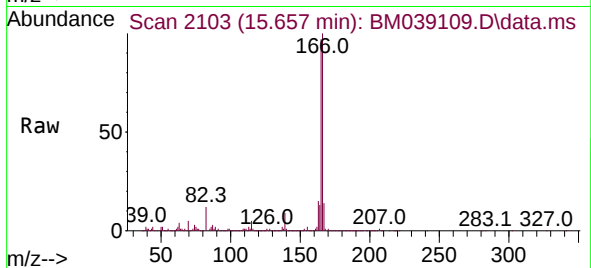
167 13.8 10.9 16.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/23/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.356 min Scan# 2392

Delta R.T. 0.006 min

Lab File: BM039109.D

Acq: 23 Mar 2023 01:46

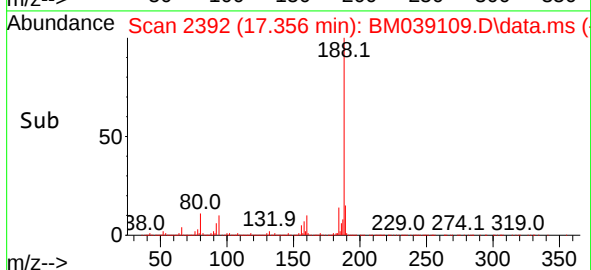
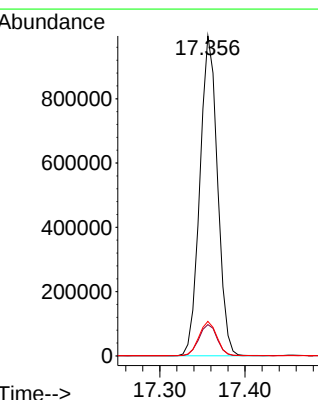
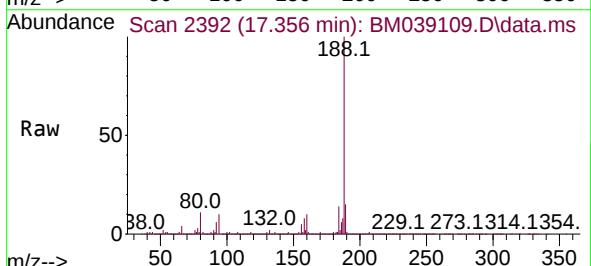
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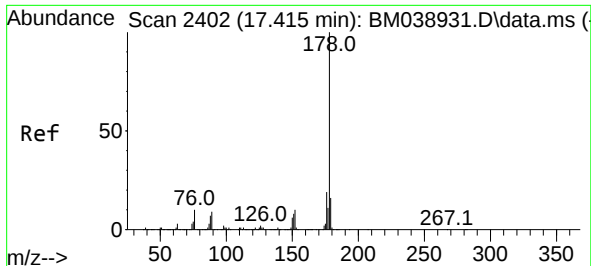
Ion Ratio Lower Upper

188 100

94 9.8 7.9 11.9

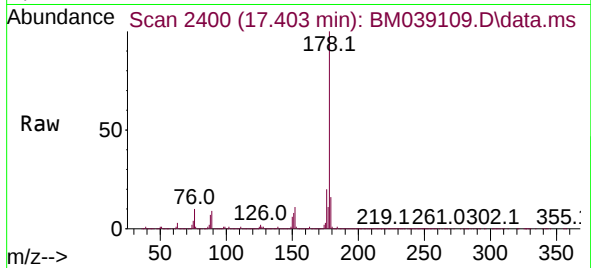
80 10.8 8.5 12.7





#71
Phenanthrene
Concen: 100.936 ng
RT: 17.403 min Scan# 2415
Delta R.T. 0.012 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46

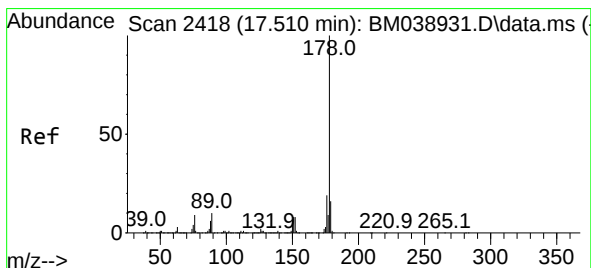
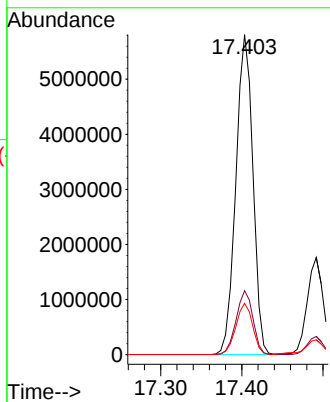
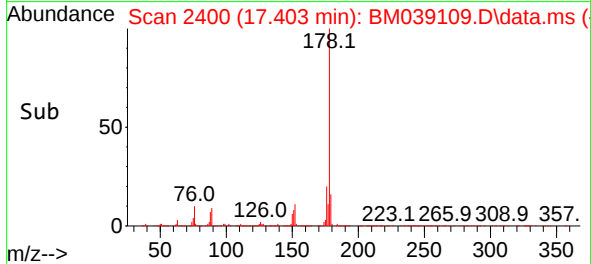
Instrument :
BNA_M
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JPP-6A-031423



Tgt Ion:178 Resp: 8482475
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 16.0 12.5 18.7

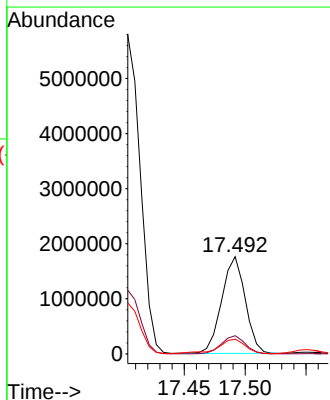
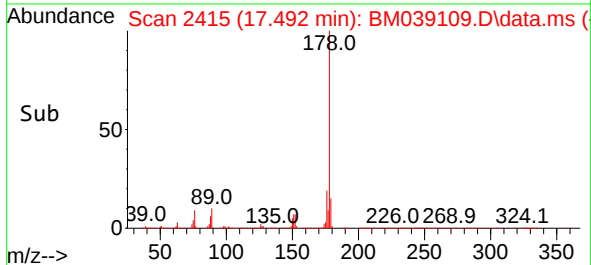
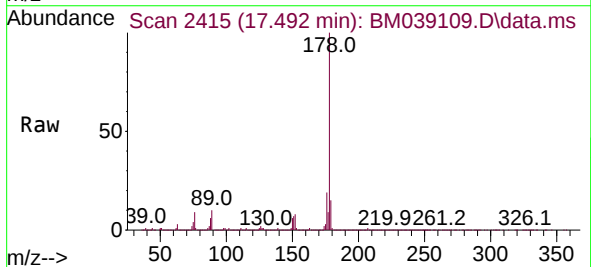
Manual Integrations
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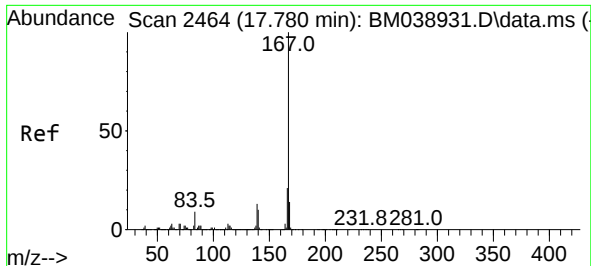
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#72
Anthracene
Concen: 28.263 ng
RT: 17.492 min Scan# 2415
Delta R.T. 0.006 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46

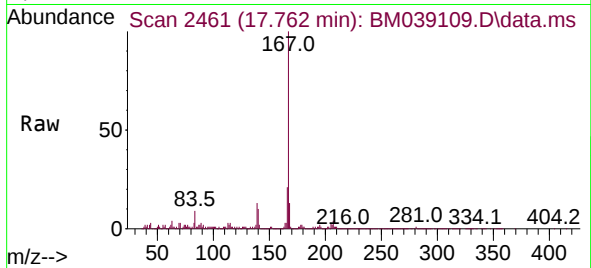
Tgt Ion:178 Resp: 2368624
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.3 12.5 18.7





#73
 Carbazole
 Concen: 6.139 ng
 RT: 17.762 min Scan# 2461
 Delta R.T. 0.006 min
 Lab File: BM039109.D
 Acq: 23 Mar 2023 01:46

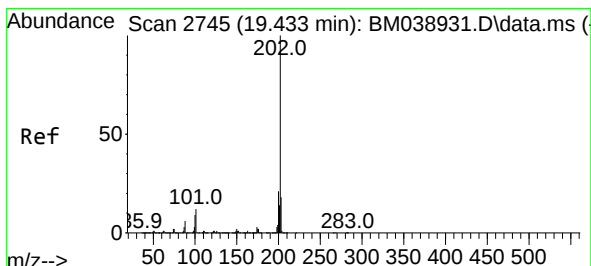
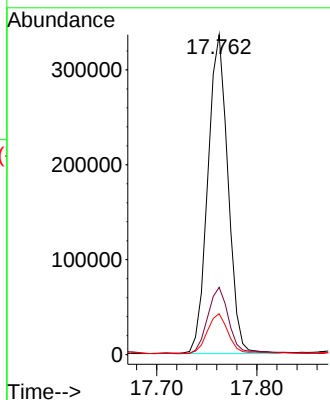
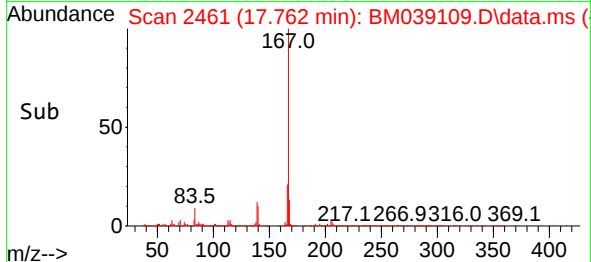
Instrument :
 BNA_M
 ClientSampleId :
 JPP-6A-031423



Tgt Ion:167 Resp: 469562
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.4
 139 12.8 10.3 15.5

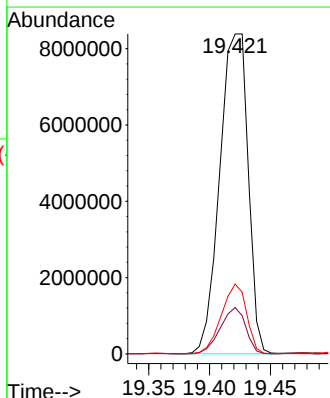
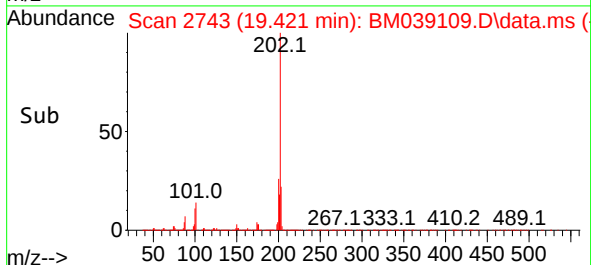
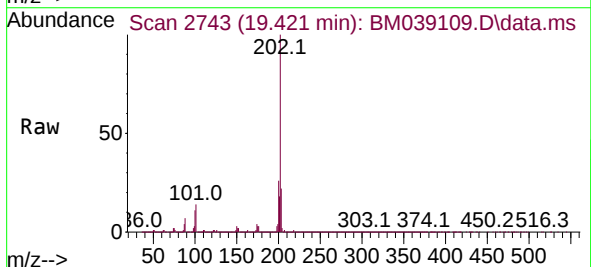
Manual Integrations
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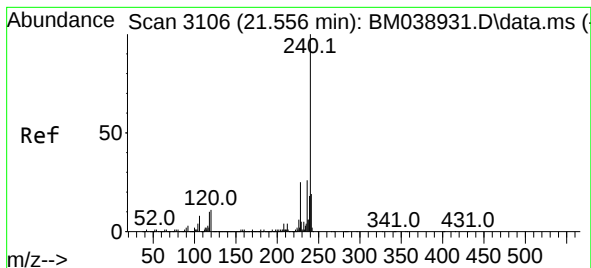
Reviewed By :Christian Giraldo 03/23/2023
 Supervised By :Jagrut Upadhyay 03/23/2023



#75
 Fluoranthene
 Concen: 153.661 ng
 RT: 19.421 min Scan# 2743
 Delta R.T. 0.012 min
 Lab File: BM039109.D
 Acq: 23 Mar 2023 01:46

Tgt Ion:202 Resp:13634521
 Ion Ratio Lower Upper
 202 100
 101 14.5 0.0 31.7
 203 21.8 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.538 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM039109.D

Acq: 23 Mar 2023 01:46

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423

Tgt Ion:240 Resp: 1183630

Ion Ratio Lower Upper

240 100

120 12.2 9.2 13.8

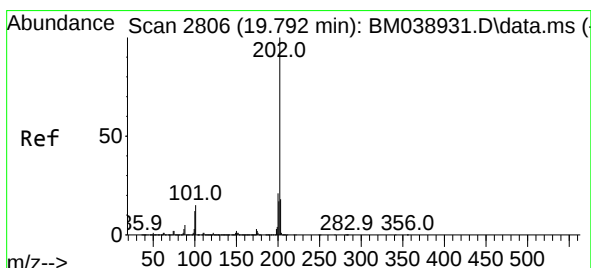
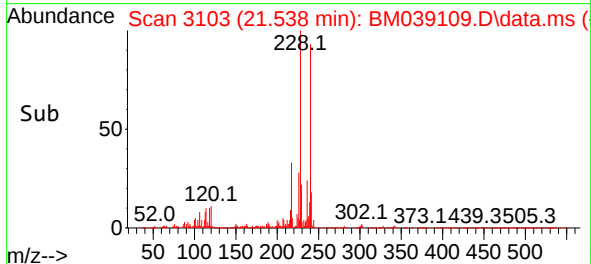
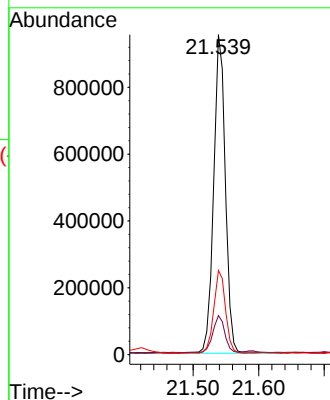
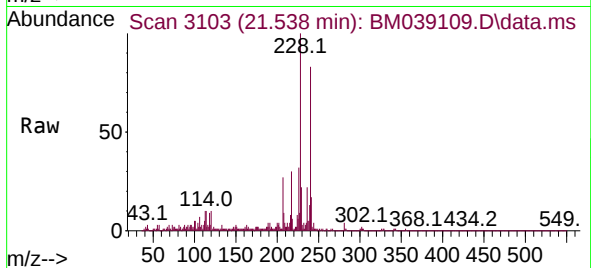
236 26.3 20.8 31.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#78

Pyrene

Concen: 138.382 ng

RT: 19.786 min Scan# 2805

Delta R.T. 0.018 min

Lab File: BM039109.D

Acq: 23 Mar 2023 01:46

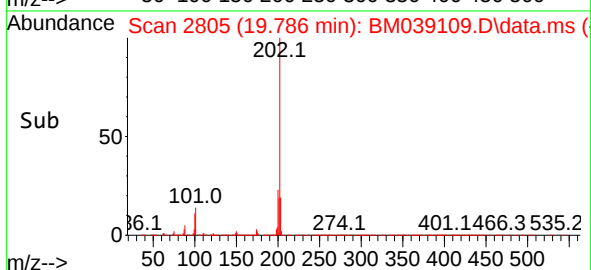
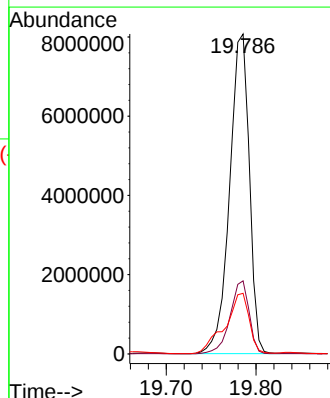
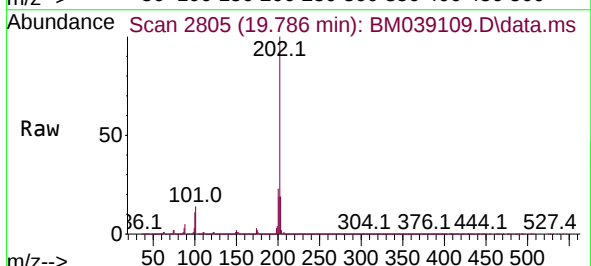
Tgt Ion:202 Resp:12302210

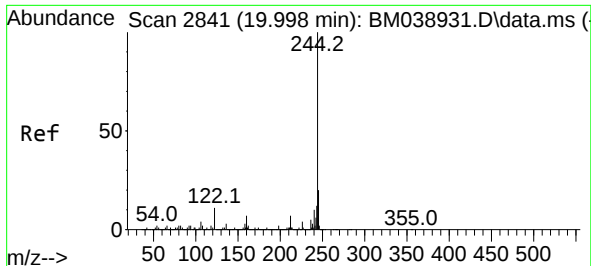
Ion Ratio Lower Upper

202 100

200 22.8 17.1 25.7

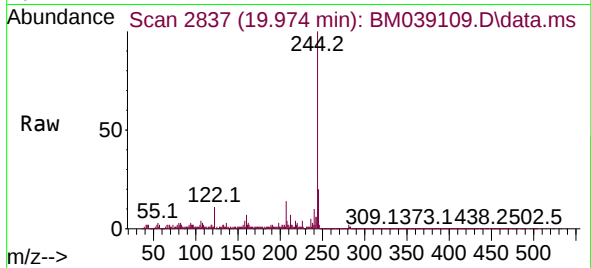
203 18.9 14.1 21.1





#79
 Terphenyl-d14
 Concen: 12.536 ng
 RT: 19.974 min Scan# 2841
 Delta R.T. 0.006 min
 Lab File: BM039109.D
 Acq: 23 Mar 2023 01:46

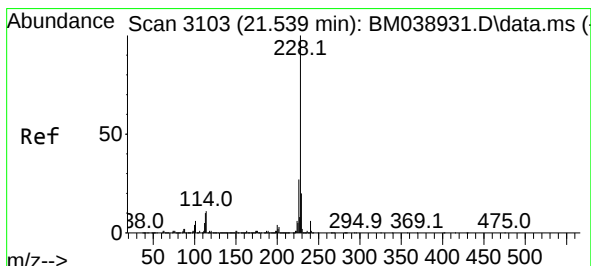
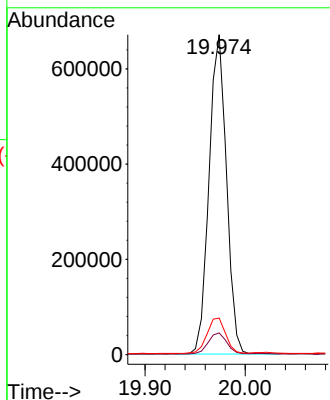
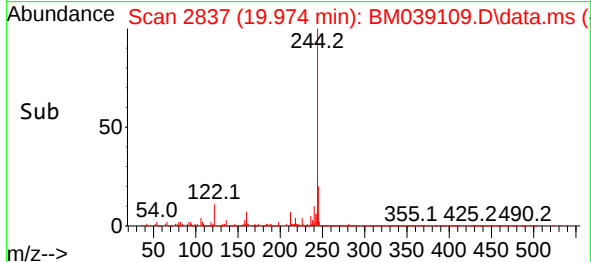
Instrument :
 BNA_M
 ClientSampleId :
 JPP-6A-031423



Tgt Ion:244 Resp: 811570
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 11.4 9.0 13.4

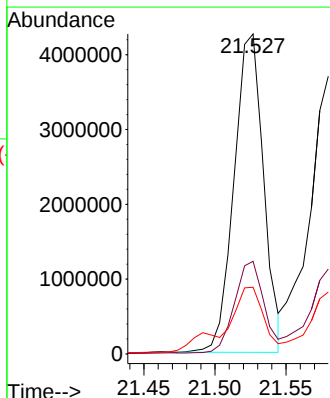
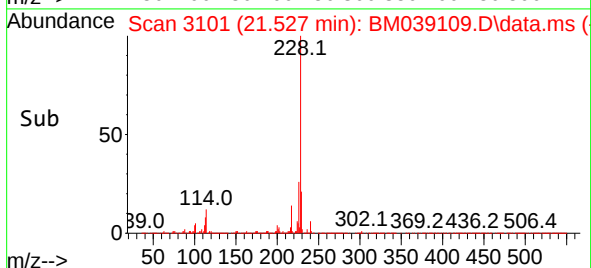
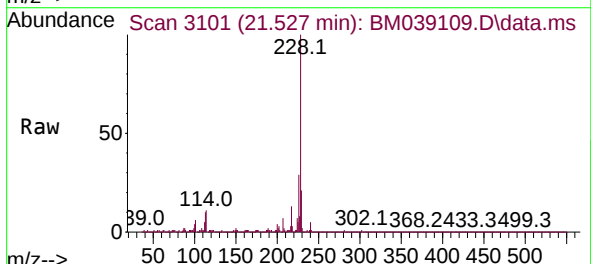
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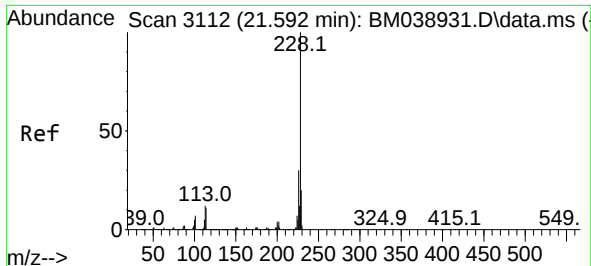
Reviewed By :Christian Giraldo 03/23/2023
 Supervised By :Jagrut Upadhyay 03/23/2023



#81
 Benzo(a)anthracene
 Concen: 72.162 ng
 RT: 21.527 min Scan# 3101
 Delta R.T. 0.012 min
 Lab File: BM039109.D
 Acq: 23 Mar 2023 01:46

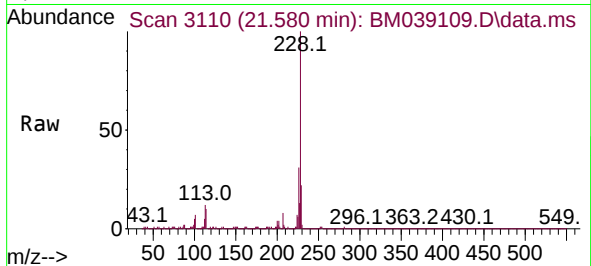
Tgt Ion:228 Resp: 6150989
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.4 32.2
 229 20.8 15.7 23.5





#83
Chrysene
Concen: 67.583 ng m
RT: 21.580 min Scan# 3112
Delta R.T. 0.012 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46

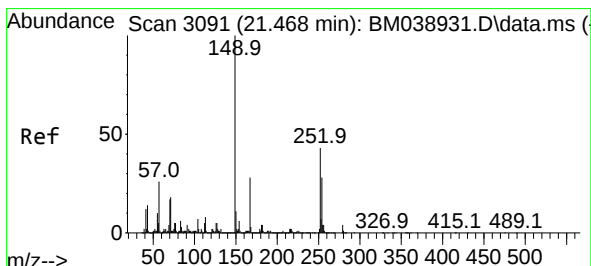
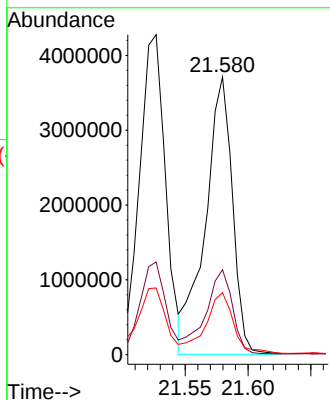
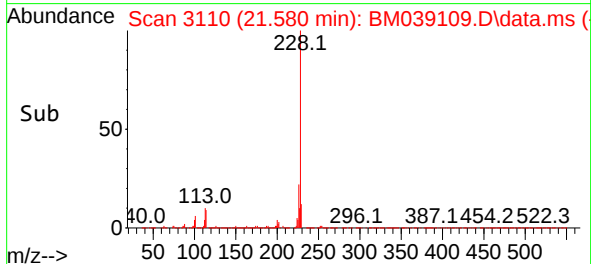
Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423



Tgt Ion:228 Resp: 5602805
Ion Ratio Lower Upper
228 100
226 30.5 24.0 36.0
229 22.3 16.0 24.0

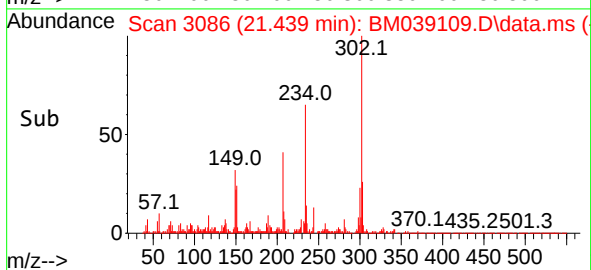
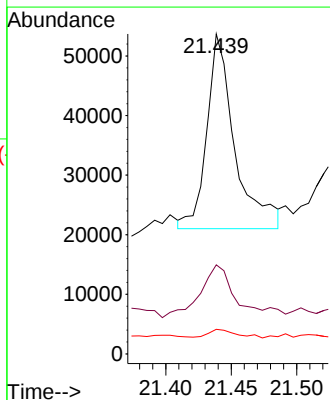
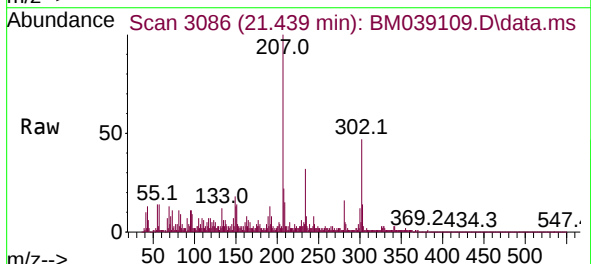
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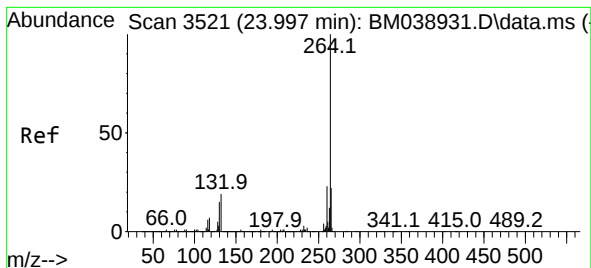
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.325 ng m
RT: 21.439 min Scan# 3086
Delta R.T. -0.000 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46

Tgt Ion:149 Resp: 48436
Ion Ratio Lower Upper
149 100
167 27.8 22.3 33.5
279 7.7 3.2 4.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.980 min Scan# 3518

Delta R.T. 0.018 min

Lab File: BM039109.D

Acq: 23 Mar 2023 01:46

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423

Tgt Ion:264 Resp: 1383179

Ion Ratio Lower Upper

264 100

260 24.5 18.7 28.1

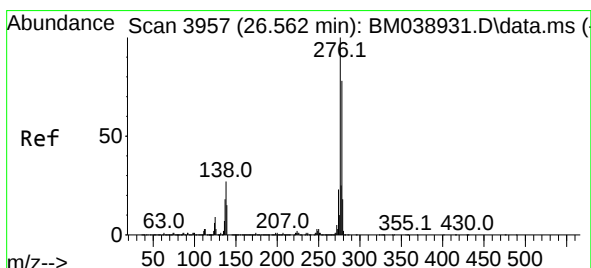
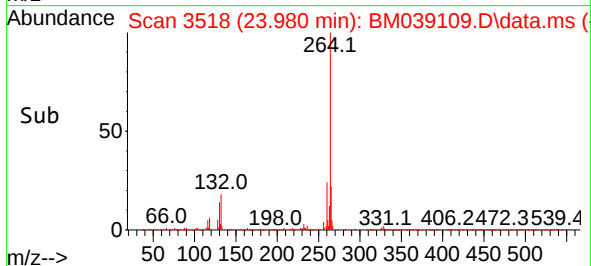
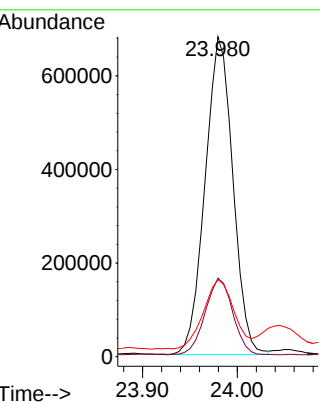
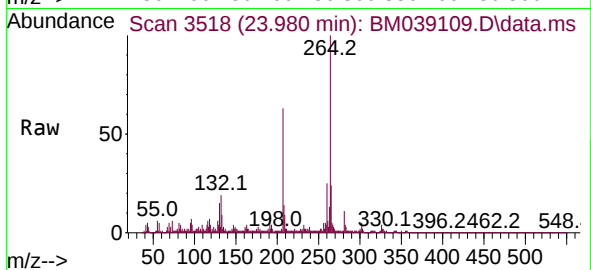
265 24.1 17.9 26.9

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Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 39.705 ng

RT: 26.532 min Scan# 3952

Delta R.T. 0.035 min

Lab File: BM039109.D

Acq: 23 Mar 2023 01:46

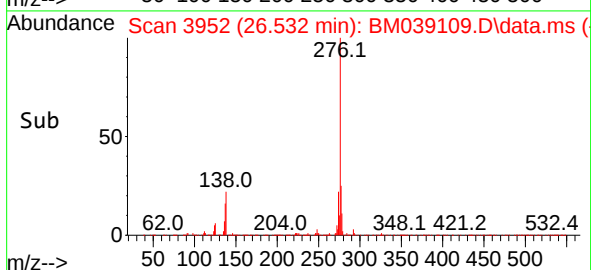
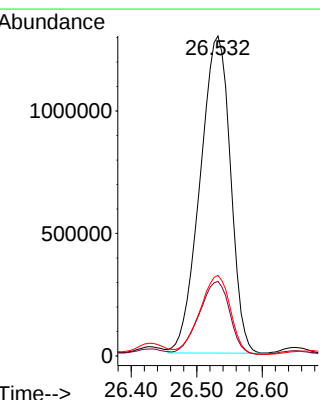
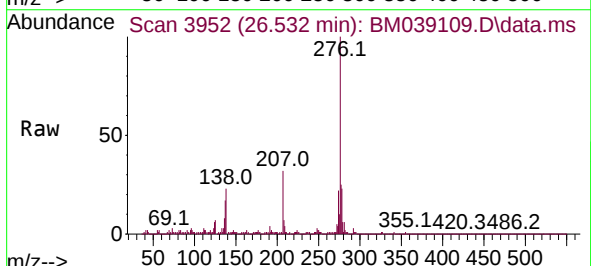
Tgt Ion:276 Resp: 4178976

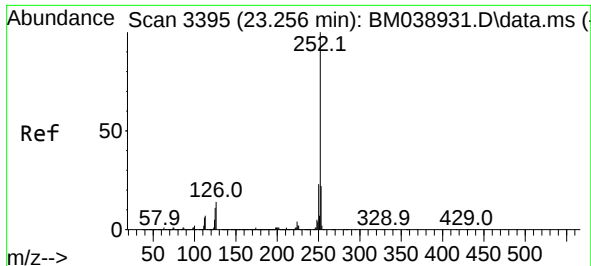
Ion Ratio Lower Upper

276 100

138 23.1 22.1 33.1

277 25.2 20.1 30.1





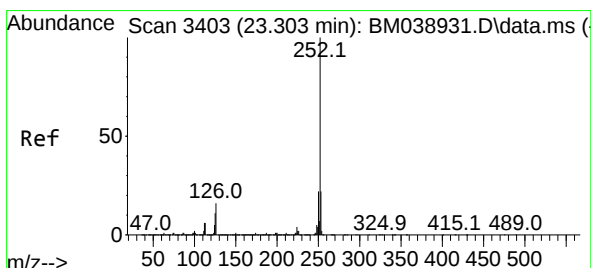
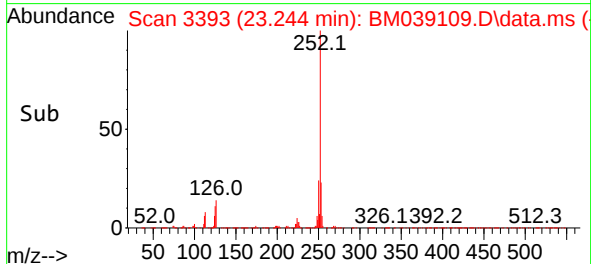
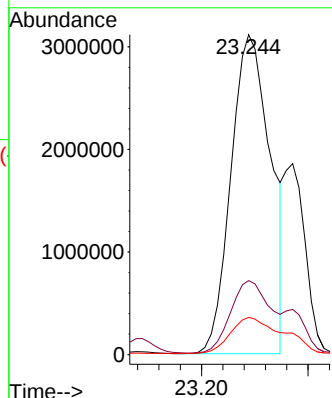
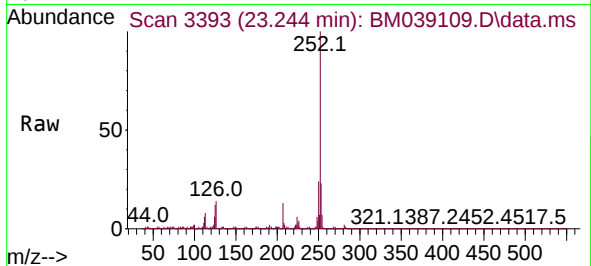
#88
Benzo(b)fluoranthene
Concen: 90.853 ng
RT: 23.244 min Scan# 3395
Delta R.T. 0.023 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46

Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423

Tgt Ion:252 Resp: 8028397
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 11.6 8.8 13.2

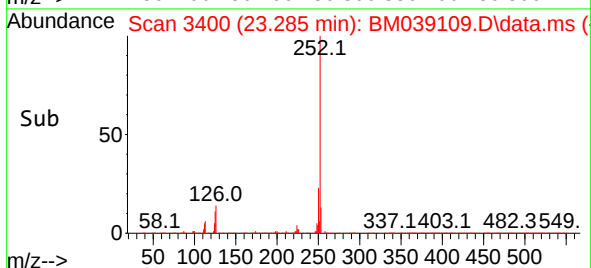
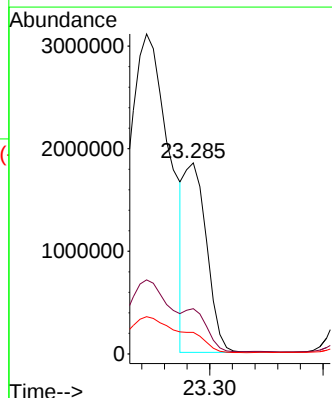
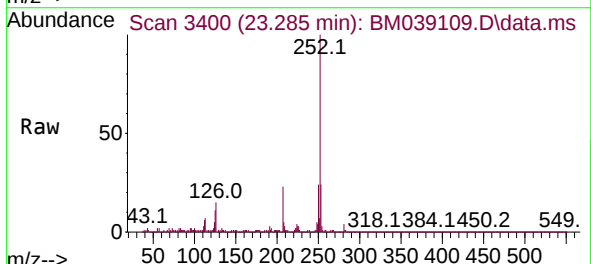
Manual Integrations
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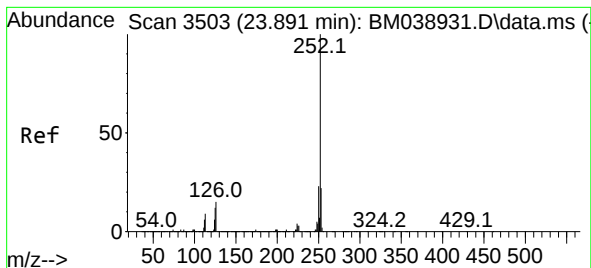
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#89
Benzo(k)fluoranthene
Concen: 27.172 ng m
RT: 23.285 min Scan# 3400
Delta R.T. 0.018 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46

Tgt Ion:252 Resp: 2498852
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 11.3 8.9 13.3





#90

Benzo(a)pyrene

Concen: 68.494 ng

RT: 23.880 min Scan# 3

Delta R.T. 0.023 min

Lab File: BM039109.D

Acq: 23 Mar 2023 01:46

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423

Tgt Ion:252 Resp: 582510

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

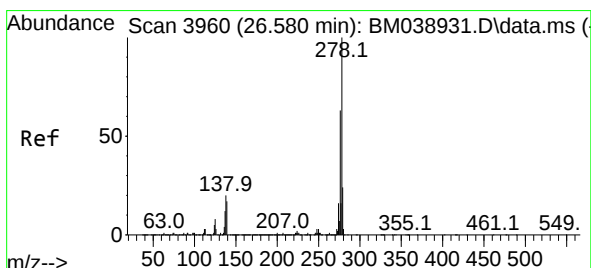
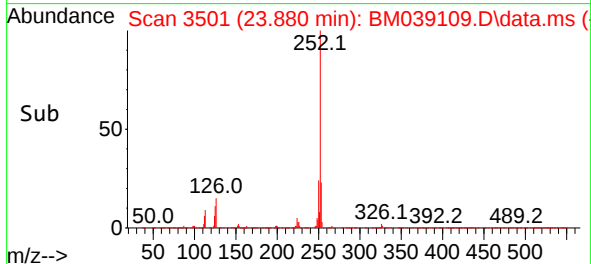
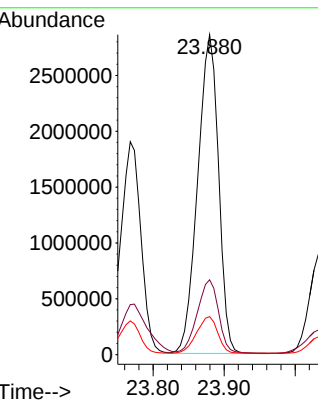
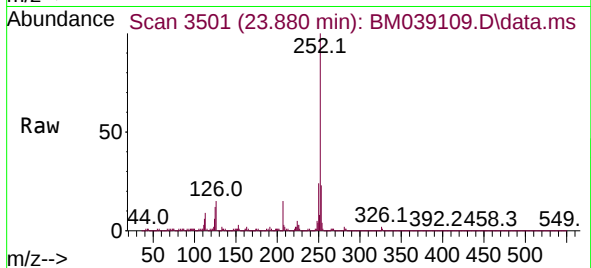
125 11.9 9.8 14.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#91

Dibenzo(a,h)anthracene

Concen: 11.709 ng

RT: 26.532 min Scan# 3952

Delta R.T. 0.023 min

Lab File: BM039109.D

Acq: 23 Mar 2023 01:46

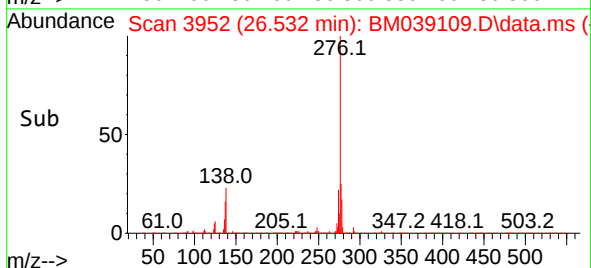
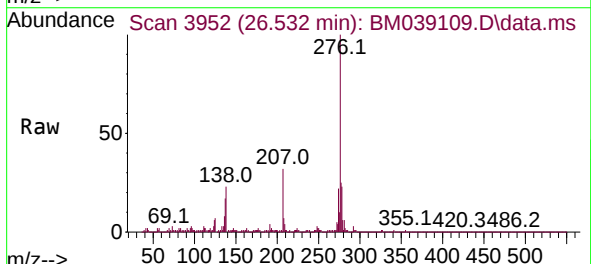
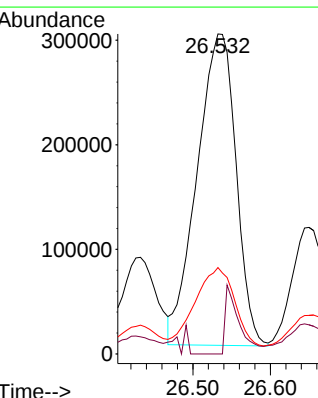
Tgt Ion:278 Resp: 1043627

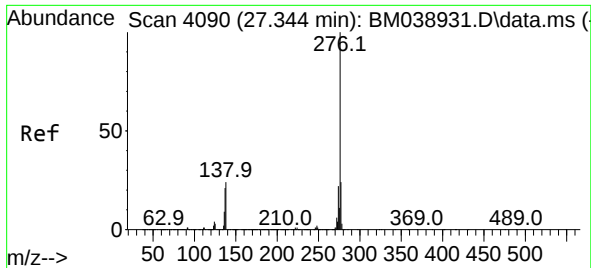
Ion Ratio Lower Upper

278 100

139 0.0 13.7 20.5

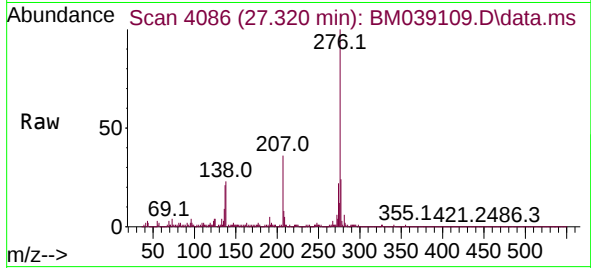
279 27.0 18.9 28.3





#92
Benzo(g,h,i)perylene
Concen: 46.257 ng
RT: 27.320 min Scan# 40
Delta R.T. 0.047 min
Lab File: BM039109.D
Acq: 23 Mar 2023 01:46

Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423



Tgt Ion:276 Resp: 403380
Ion Ratio Lower Upper
276 100
277 24.5 19.3 28.9
138 23.3 19.0 28.6

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

