

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
 Data File : BM039108.D
 Acq On : 23 Mar 2023 01:08
 Operator : CG/JU
 Sample : 01932-19 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-6C-031423

Manual Integrations
 APPROVED

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

Quant Time: Mar 23 04:29:06 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	346653	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	1309162	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	715581	20.000	ng	0.00
64) Phenanthrene-d10	17.356	188	1444071	20.000	ng	0.00
76) Chrysene-d12	21.539	240	1146976	20.000	ng	0.00
86) Perylene-d12	23.980	264	1340491	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	483957	21.211	ng	0.00
7) Phenol-d6	7.134	99	583390	19.685	ng	0.00
23) Nitrobenzene-d5	9.133	82	317421	11.910	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	172160	20.797	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	721418	13.124	ng	0.00
79) Terphenyl-d14	19.974	244	923719	14.725	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.674	154	153963	3.441	ng	99
58) Fluorene	15.657	166	178912	3.262	ng	99
71) Phenanthrene	17.404	178	3929278	46.361	ng	100
72) Anthracene	17.492	178	1221431	14.451	ng	99
75) Fluoranthene	19.421	202	9039777	101.018	ng	99
78) Pyrene	19.780	202	8470281	98.323	ng	98
81) Benzo(a)anthracene	21.521	228	4226952	51.174	ng	97
83) Chrysene	21.574	228	3663104	45.598	ng	97
84) Bis(2-ethylhexyl)phtha...	21.439	149	109459	4.445	ng	# 97
87) Indeno(1,2,3-cd)pyrene	26.521	276	2766977	27.127	ng	95
88) Benzo(b)fluoranthene	23.238	252	5270942	61.548	ng	97
89) Benzo(k)fluoranthene	23.280	252	1751276m	19.650	ng	
90) Benzo(a)pyrene	23.874	252	4118574	49.970	ng	98
91) Dibenzo(a,h)anthracene	26.526	278	689756	7.985	ng	# 80
92) Benzo(g,h,i)perylene	27.309	276	2701502	31.965	ng	99

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

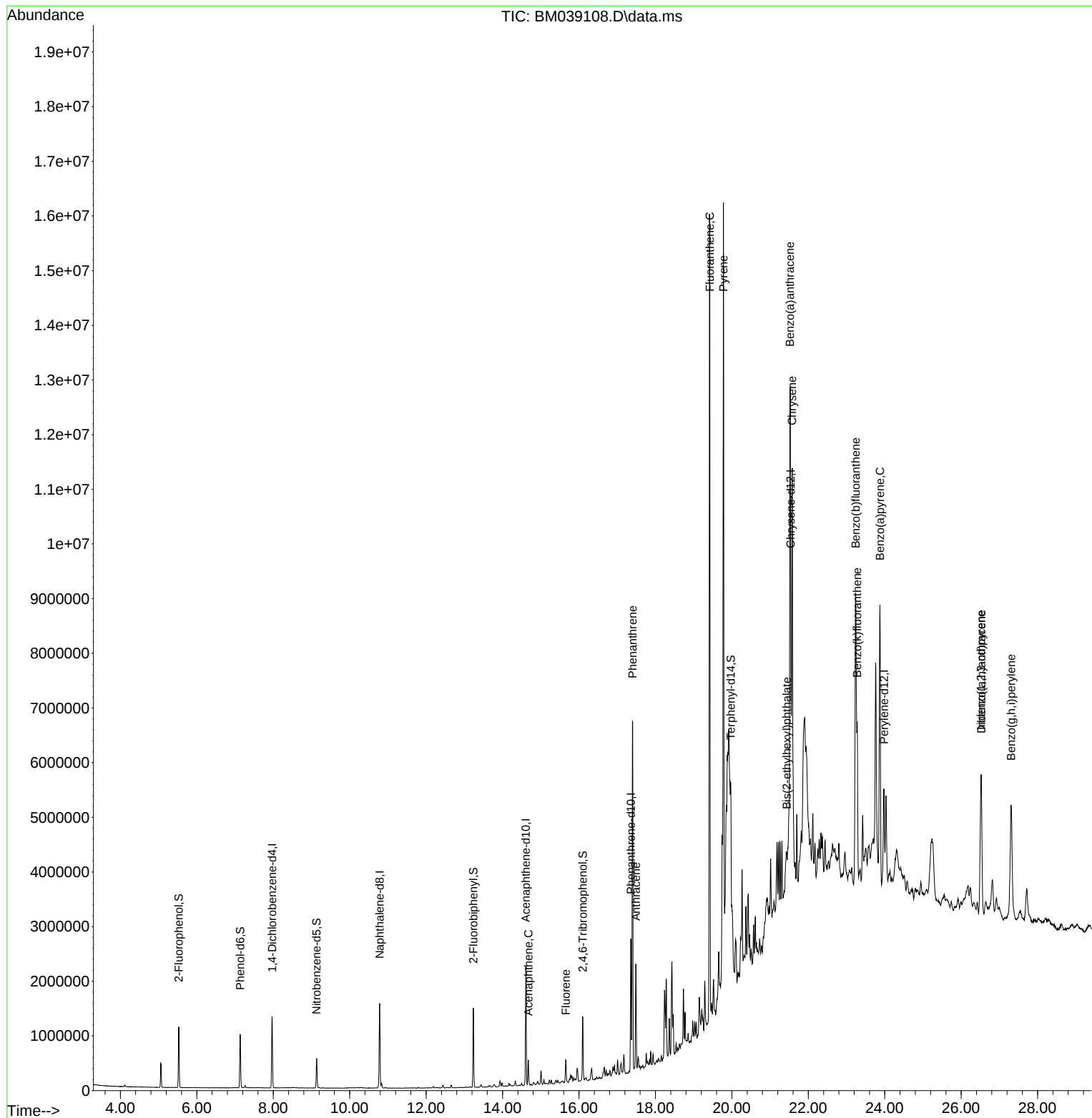
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032223\
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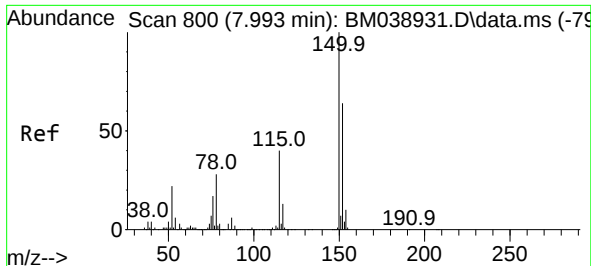
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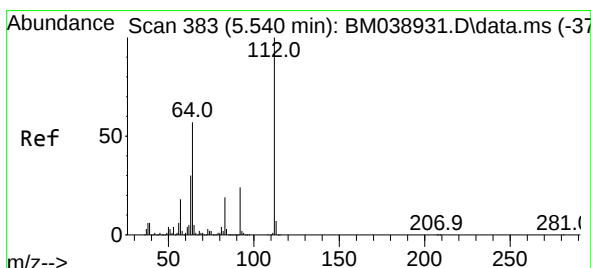
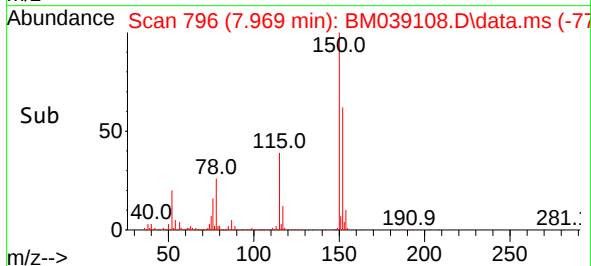
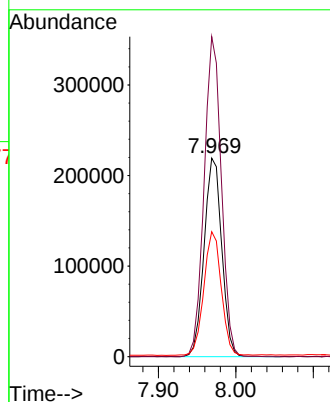
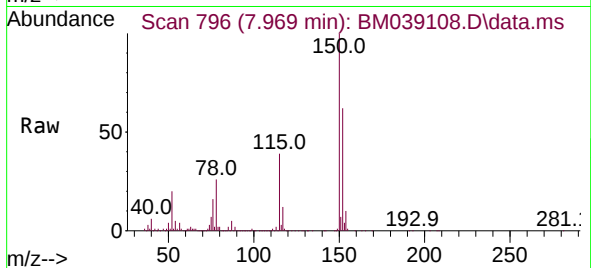
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423

Tgt Ion:152 Resp: 346653
Ion Ratio Lower Upper
152 100
150 161.2 125.1 187.7
115 62.9 49.6 74.4

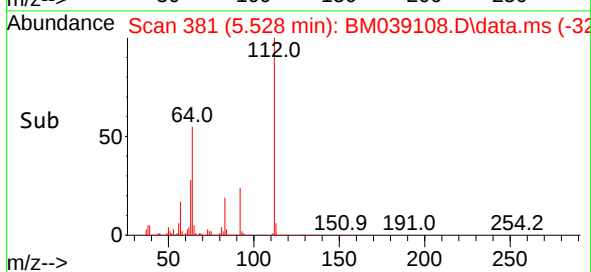
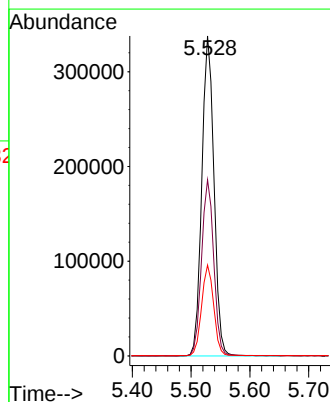
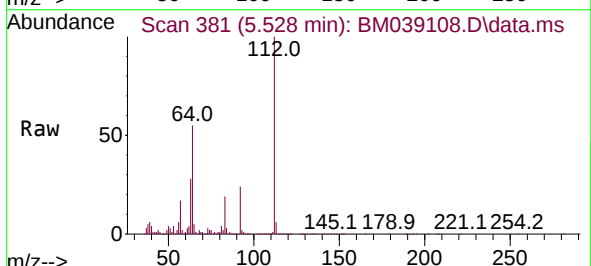
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#5
2-Fluorophenol
Concen: 21.211 ng
RT: 5.528 min Scan# 381
Delta R.T. 0.006 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

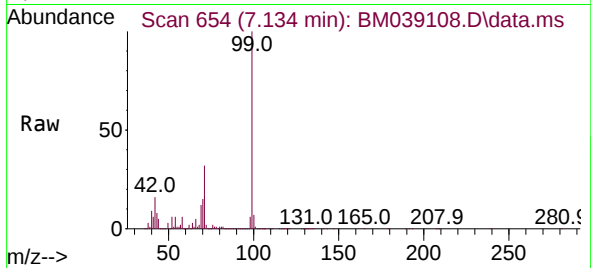
Tgt Ion:112 Resp: 483957
Ion Ratio Lower Upper
112 100
64 55.0 45.9 68.9
63 28.4 23.8 35.8





#7
Phenol-d6
Concen: 19.685 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

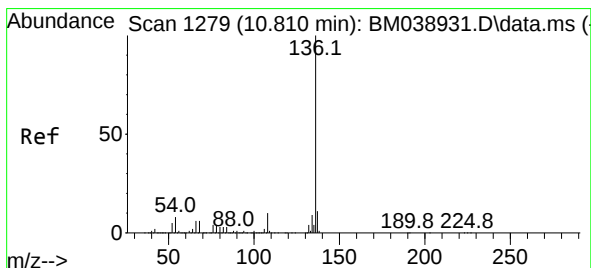
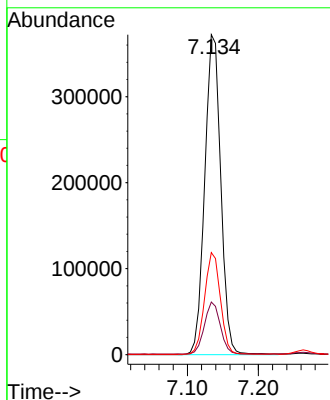
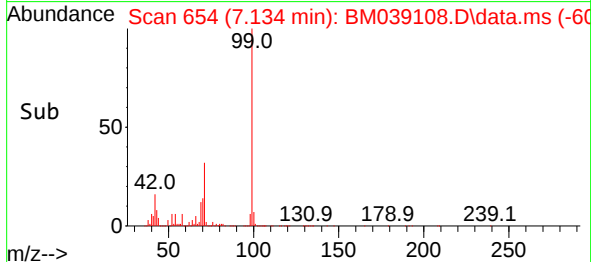
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ClientSampleId :
JPP-6C-031423



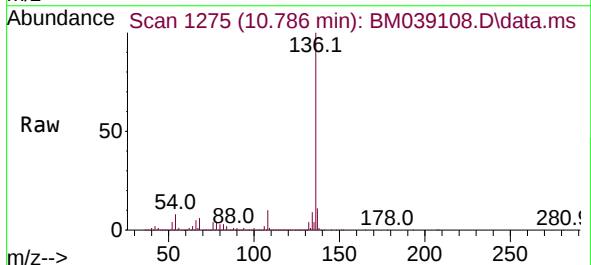
Tgt Ion: 99 Resp: 583390
Ion Ratio Lower Upper
99 100
42 16.4 13.5 20.3
71 31.9 25.6 38.4

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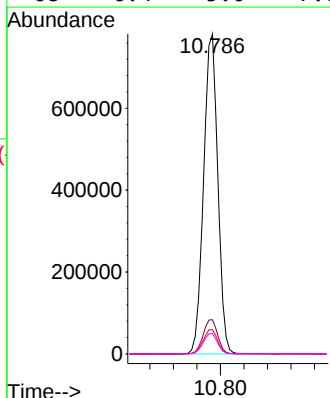
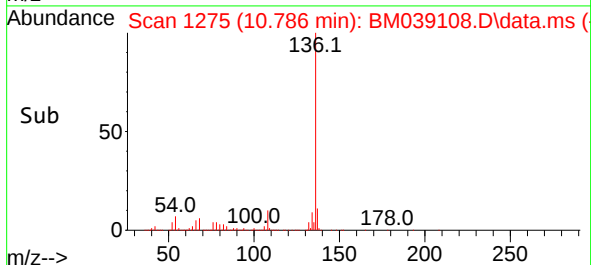
Reviewed By :Christian Giraldo 03/23/2023
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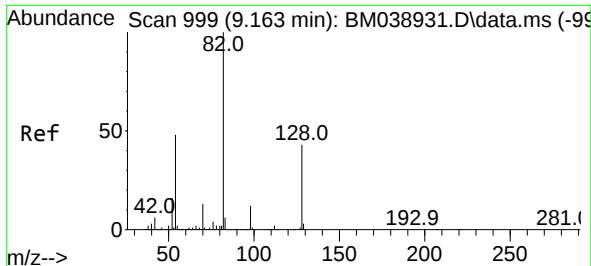


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 1275
Delta R.T. 0.006 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08



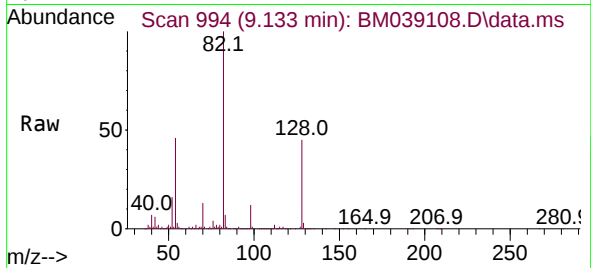
Tgt Ion:136 Resp: 1309162
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.5 6.3 9.5
68 6.4 5.0 7.6





#23
Nitrobenzene-d5
Concen: 11.910 ng
RT: 9.133 min Scan# 999
Delta R.T. -0.006 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

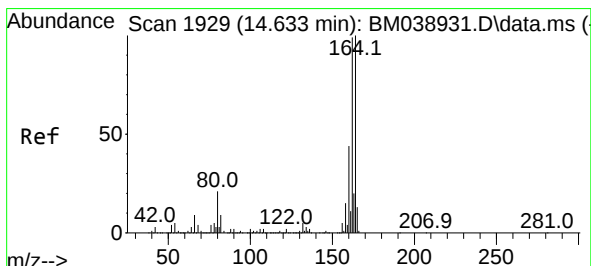
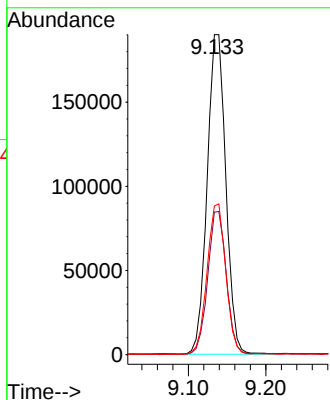
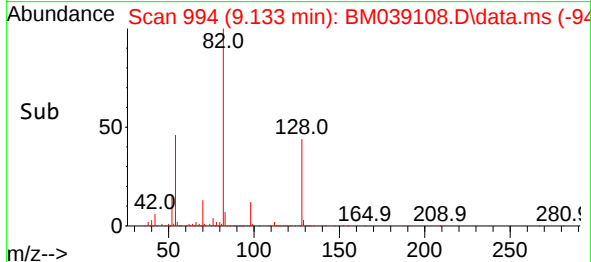
Instrument :
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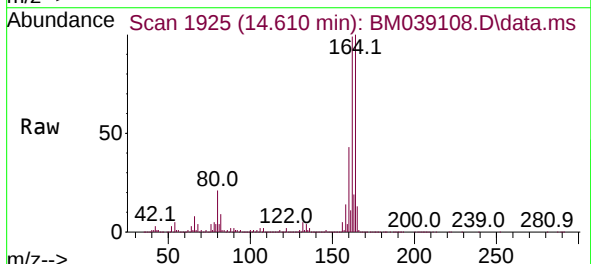
Tgt Ion: 82 Resp: 317421
Ion Ratio Lower Upper
82 100
128 44.5 34.4 51.6
54 46.5 38.8 58.2

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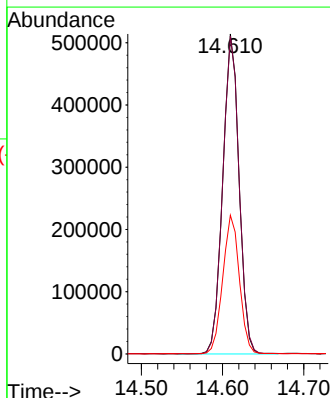
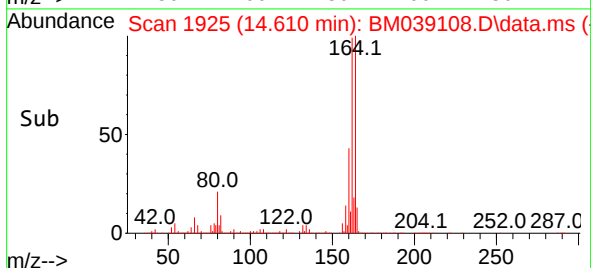
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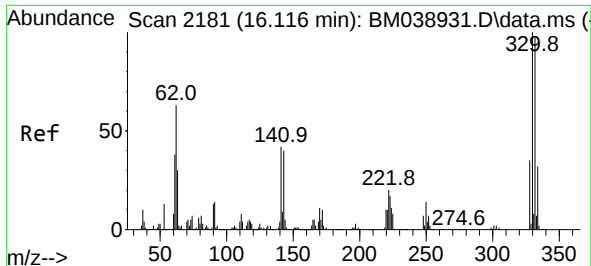


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08



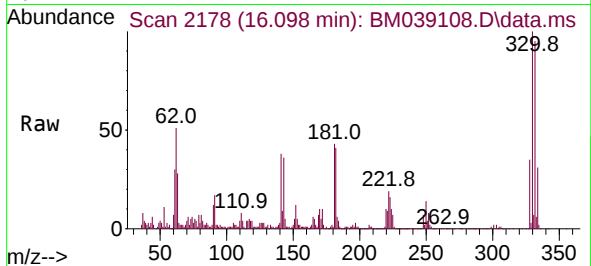
Tgt Ion:164 Resp: 715581
Ion Ratio Lower Upper
164 100
162 99.3 79.2 118.8
160 43.3 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 20.797 ng
RT: 16.098 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

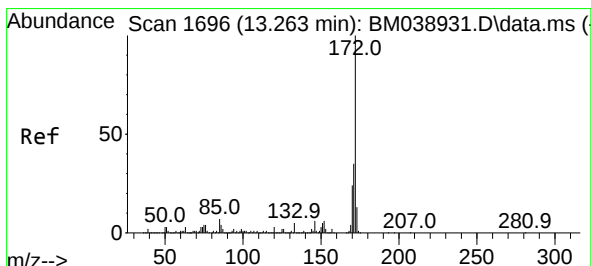
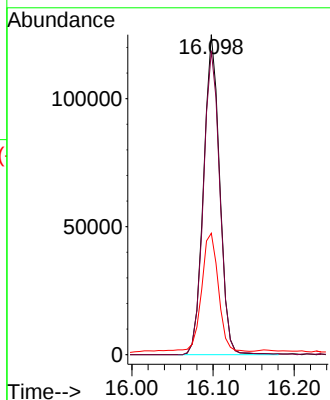
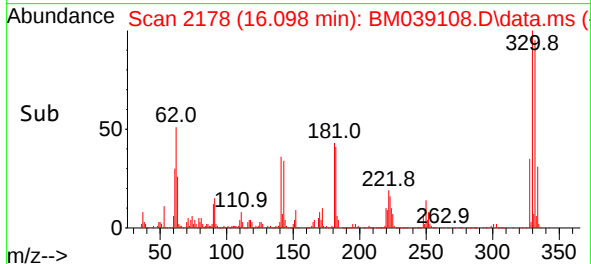
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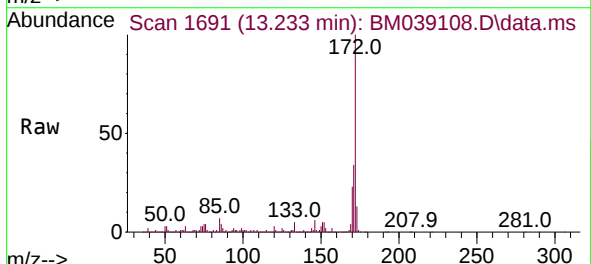
Tgt Ion:330 Resp: 172160
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.0
141 40.7 32.2 48.4

Manual Integrations
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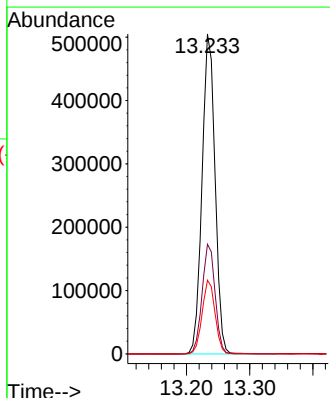
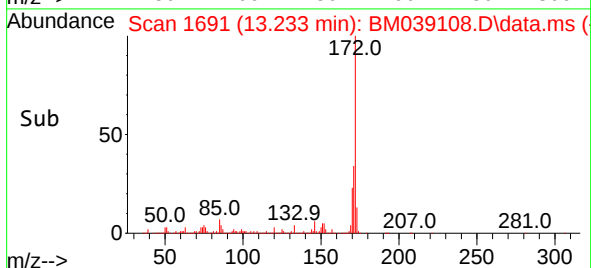
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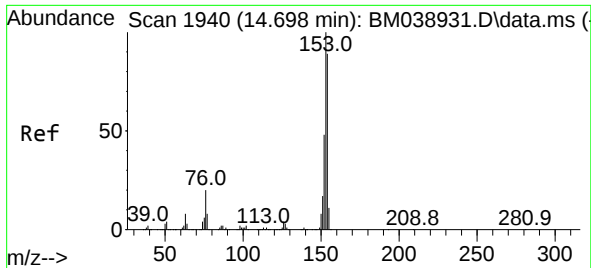


#45
2-Fluorobiphenyl
Concen: 13.124 ng
RT: 13.233 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08



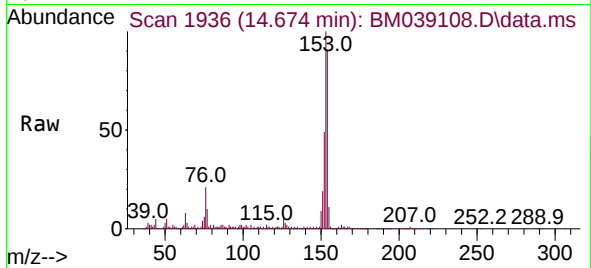
Tgt Ion:172 Resp: 721418
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.2
170 23.0 19.1 28.7





#52
Acenaphthene
Concen: 3.441 ng
RT: 14.674 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

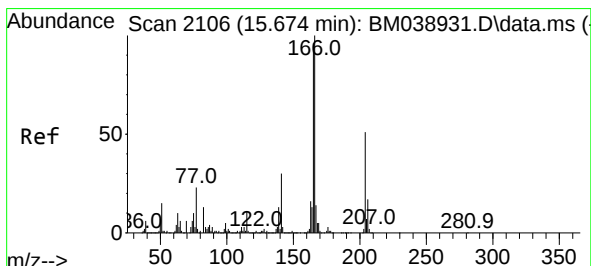
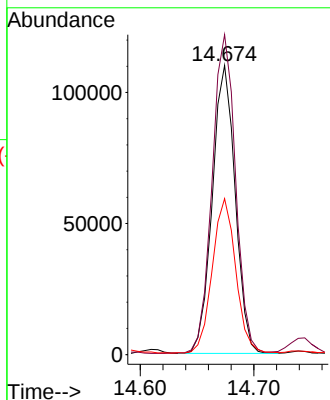
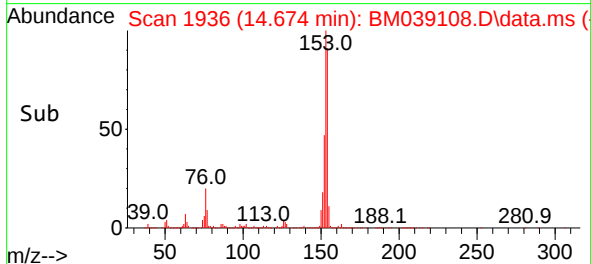
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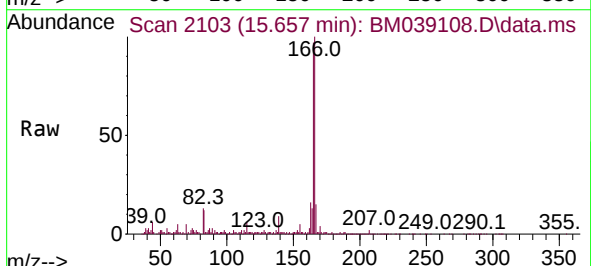
Tgt Ion:154 Resp: 153963
Ion Ratio Lower Upper
154 100
153 110.7 90.2 135.2
152 53.9 43.4 65.2

Manual Integrations
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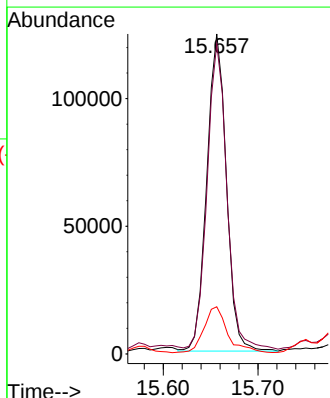
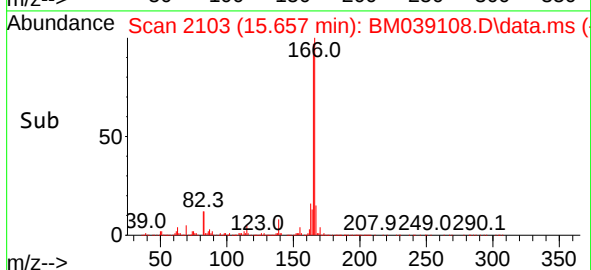
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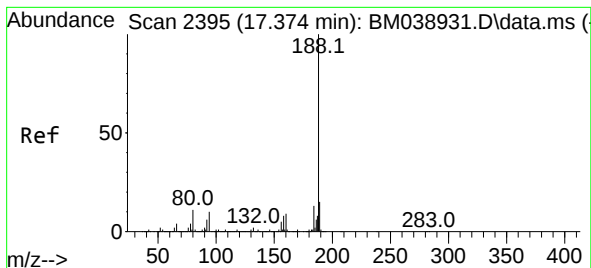


#58
Fluorene
Concen: 3.262 ng
RT: 15.657 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08



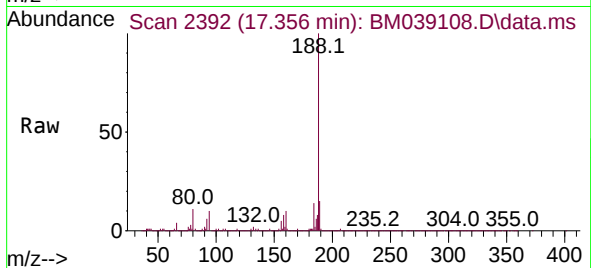
Tgt Ion:166 Resp: 178912
Ion Ratio Lower Upper
166 100
165 96.9 77.1 115.7
167 14.7 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.356 min Scan# 2395
Delta R.T. 0.006 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

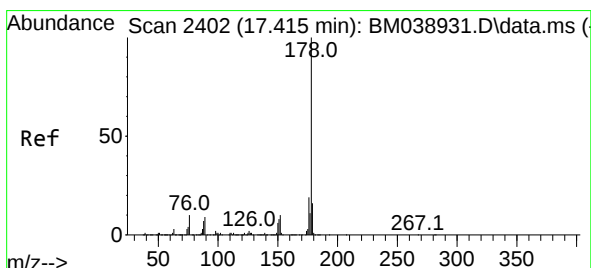
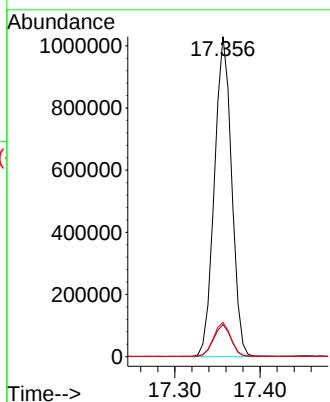
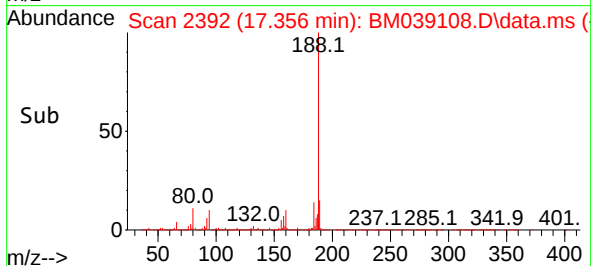
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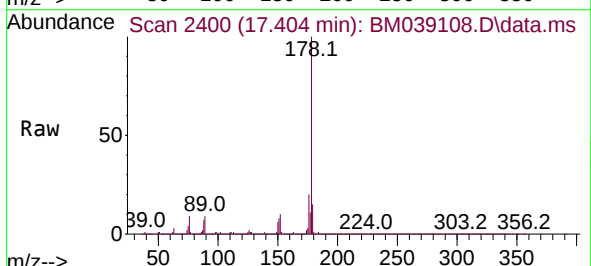
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Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.7 8.5 12.7

Manual Integrations
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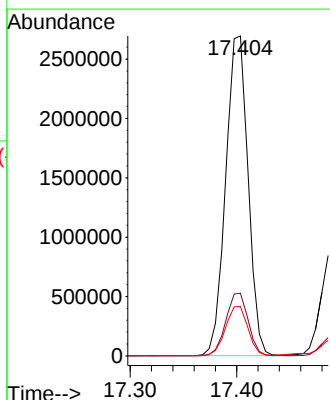
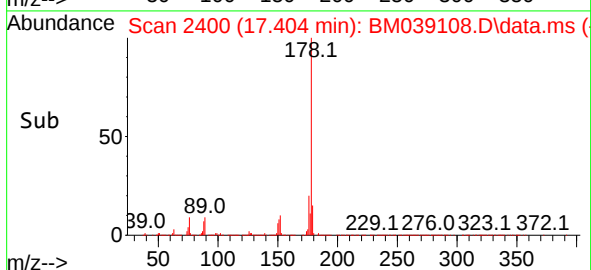
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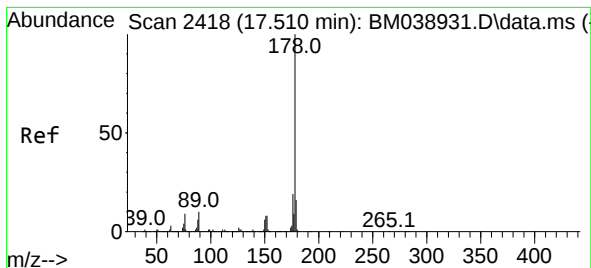


#71
Phenanthrene
Concen: 46.361 ng
RT: 17.404 min Scan# 2400
Delta R.T. 0.012 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08



Tgt Ion:178 Resp: 3929278
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.4 12.5 18.7





#72

Anthracene

Concen: 14.451 ng

RT: 17.492 min Scan# 2418

Delta R.T. 0.006 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423

Tgt Ion:178 Resp: 1221431

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

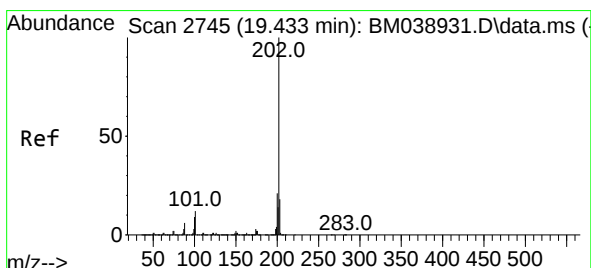
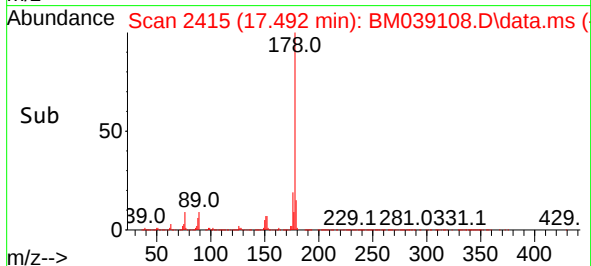
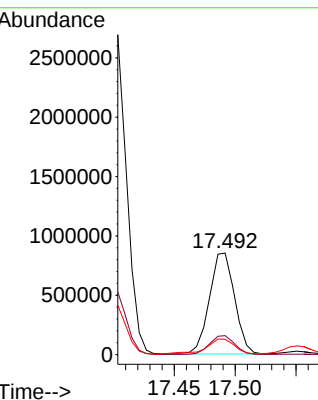
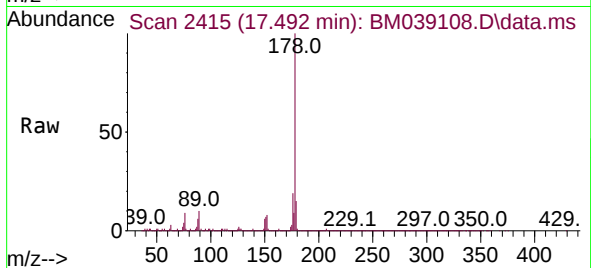
179 15.0 12.5 18.7

Manual Integrations

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#75

Fluoranthene

Concen: 101.018 ng

RT: 19.421 min Scan# 2743

Delta R.T. 0.012 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

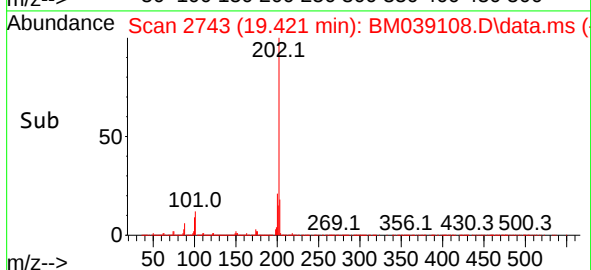
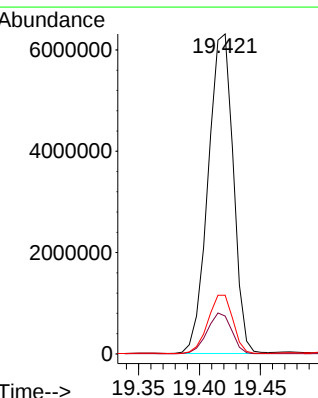
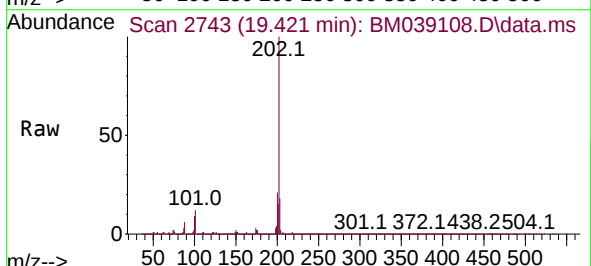
Tgt Ion:202 Resp: 9039777

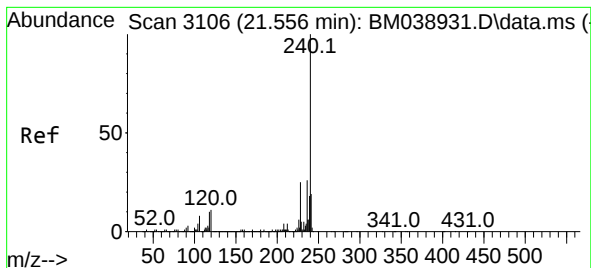
Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.7

203 18.3 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.539 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423

Tgt Ion:240 Resp: 1146976

Ion Ratio Lower Upper

240 100

120 12.3 9.2 13.8

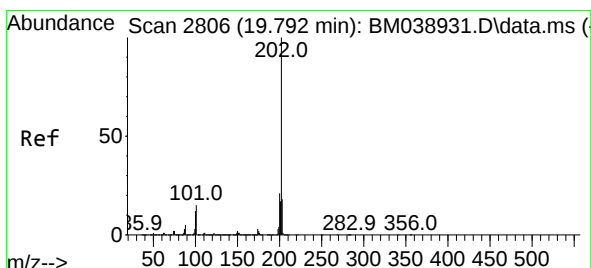
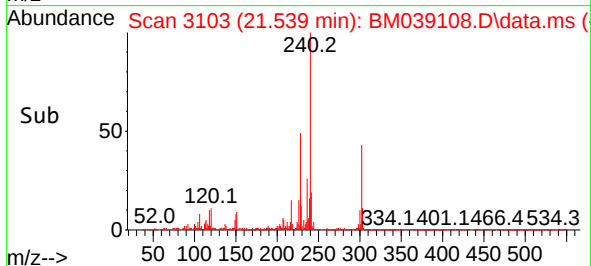
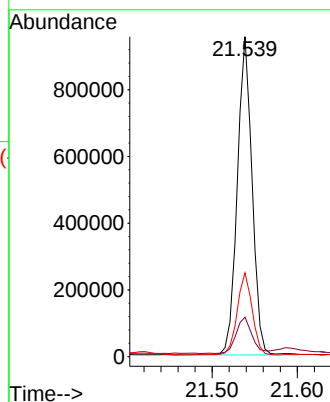
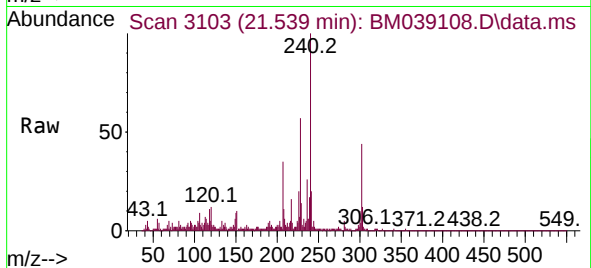
236 26.2 20.8 31.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#78

Pyrene

Concen: 98.323 ng

RT: 19.780 min Scan# 2804

Delta R.T. 0.012 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

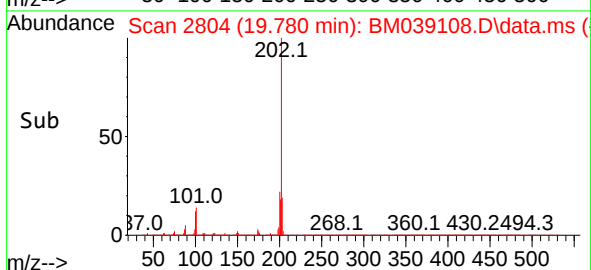
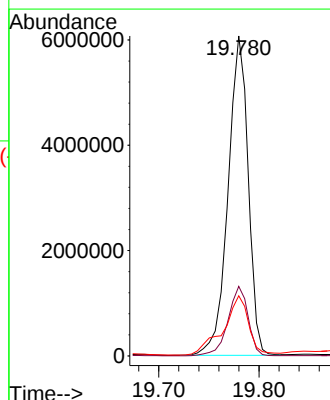
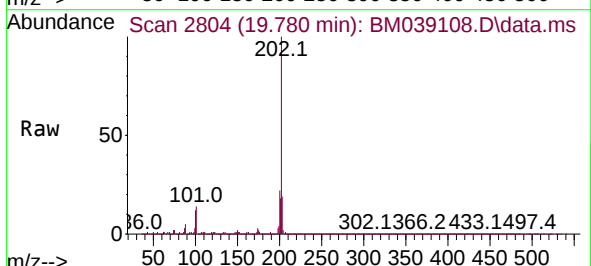
Tgt Ion:202 Resp: 8470281

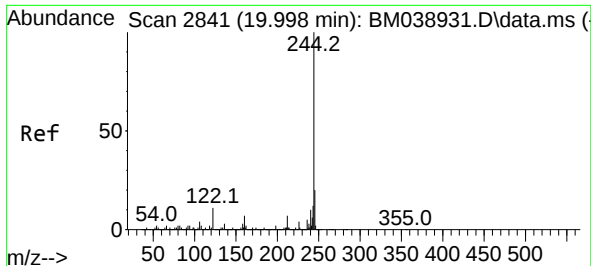
Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

203 18.8 14.1 21.1





#79
 Terphenyl-d14
 Concen: 14.725 ng
 RT: 19.974 min Scan# 2841
 Delta R.T. 0.006 min
 Lab File: BM039108.D
 Acq: 23 Mar 2023 01:08

Instrument :

BNA_M

ClientSampleId :

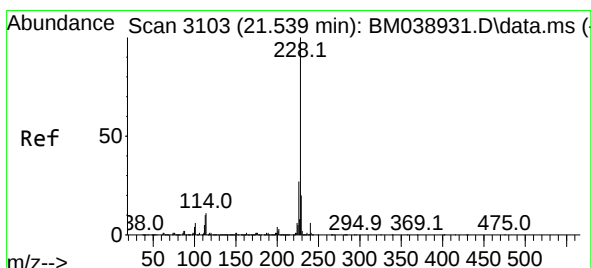
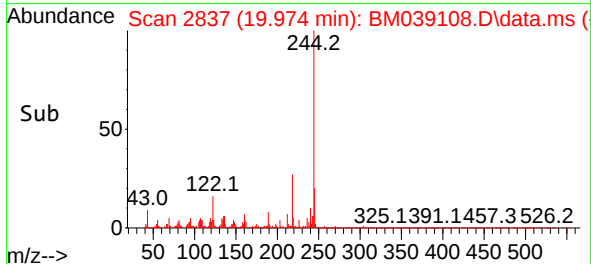
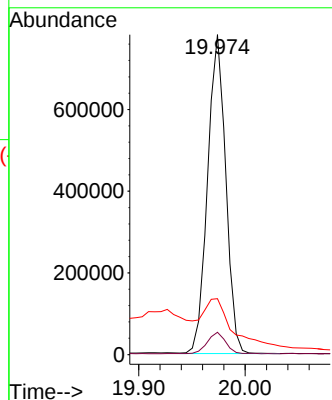
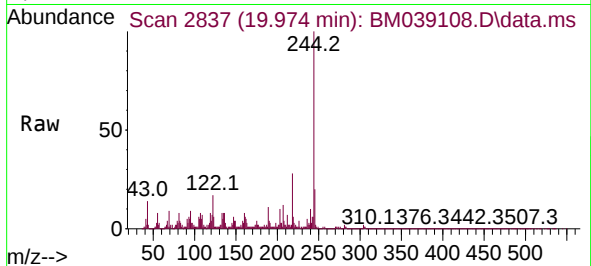
JPP-6C-031423

Tgt Ion:244 Resp: 923719
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 17.5 9.0 13.4

Manual Integrations

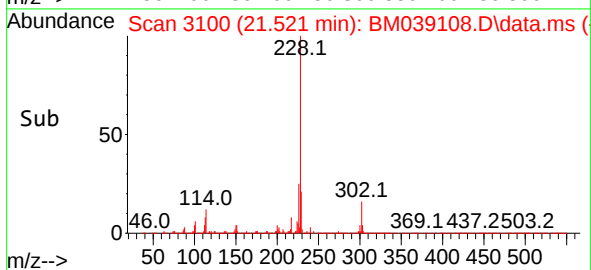
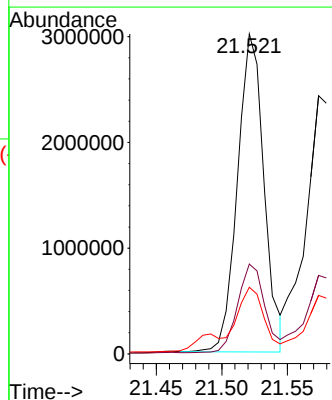
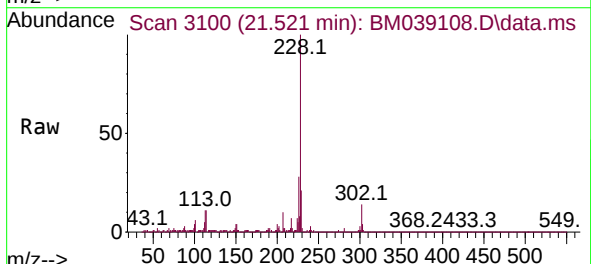
APPROVED

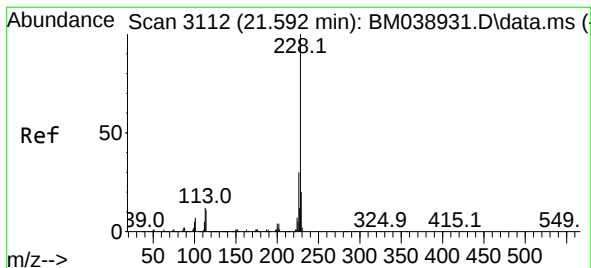
Reviewed By :Christian Giraldo 03/23/2023
 Supervised By :Jagrut Upadhyay 03/23/2023



#81
 Benzo(a)anthracene
 Concen: 51.174 ng
 RT: 21.521 min Scan# 3100
 Delta R.T. 0.006 min
 Lab File: BM039108.D
 Acq: 23 Mar 2023 01:08

Tgt Ion:228 Resp: 4226952
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.4 32.2
 229 20.8 15.7 23.5





#83

Chrysene

Concen: 45.598 ng

RT: 21.574 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423

Tgt Ion:228 Resp: 3663104

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

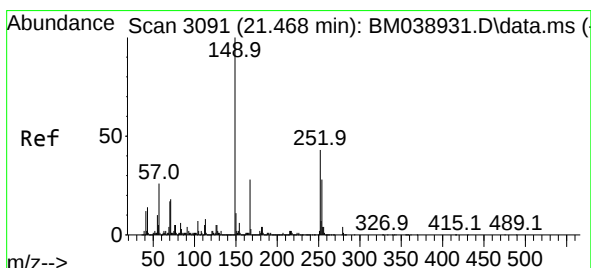
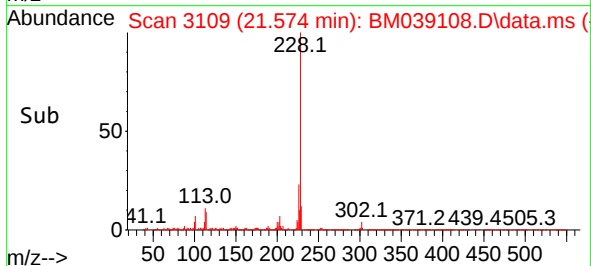
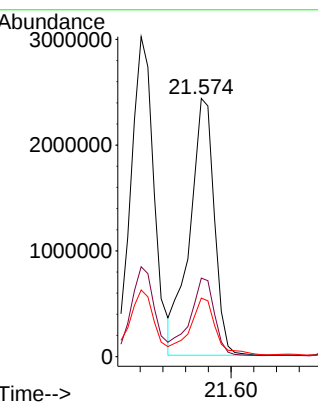
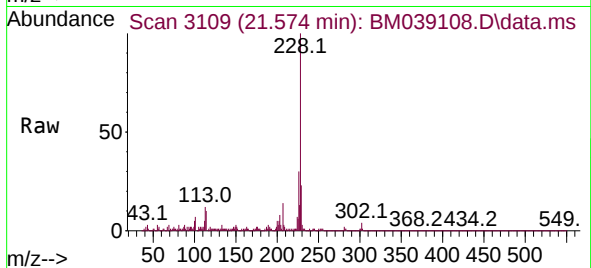
229 22.7 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.445 ng

RT: 21.439 min Scan# 3086

Delta R.T. -0.000 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

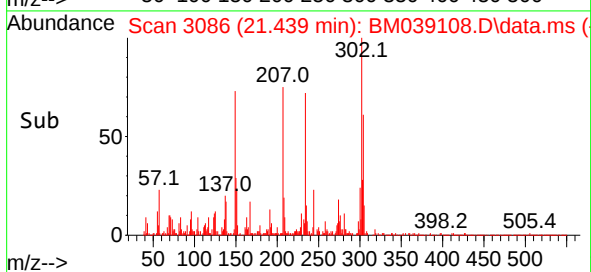
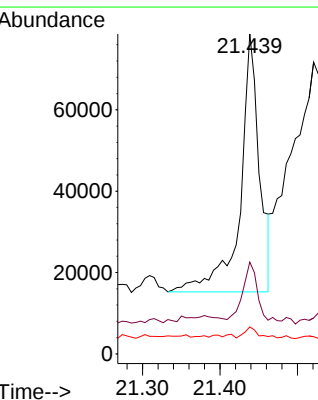
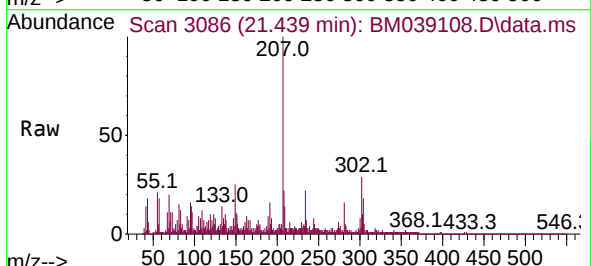
Tgt Ion:149 Resp: 109459

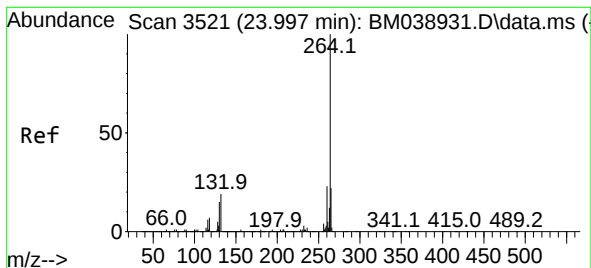
Ion Ratio Lower Upper

149 100

167 28.7 22.3 33.5

279 8.4 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: BM039108.D

Acq: 23 Mar 2023 01:08

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423

Tgt Ion:264 Resp: 134049

Ion Ratio Lower Upper

264 100

260 24.6 18.7 28.1

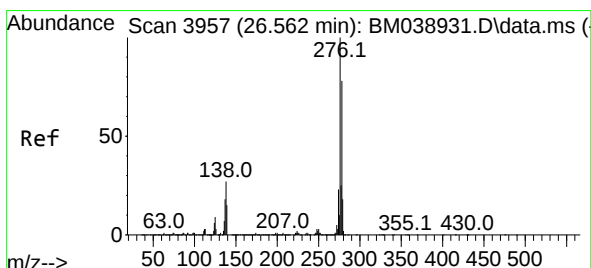
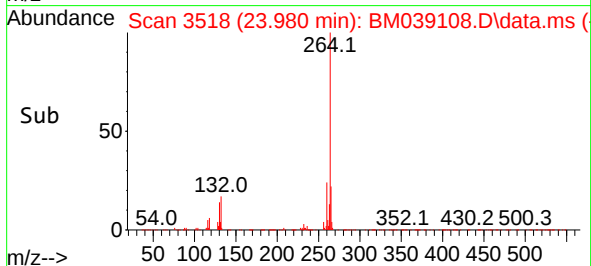
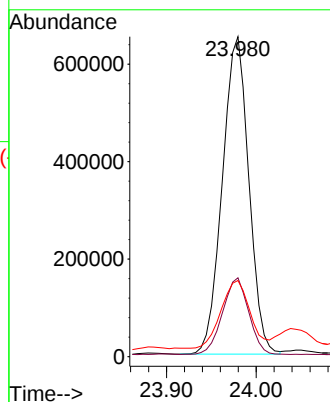
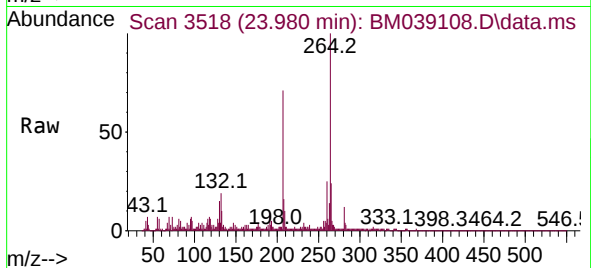
265 23.8 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 27.127 ng

RT: 26.521 min Scan# 3950

Delta R.T. 0.023 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

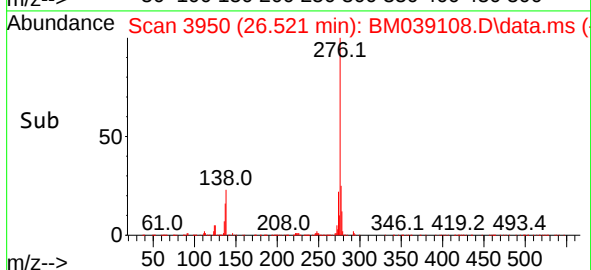
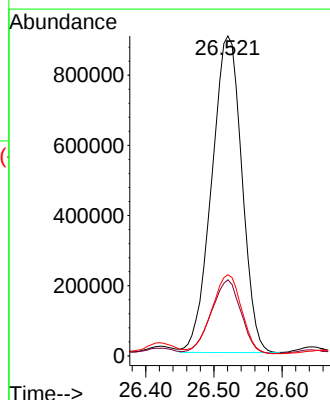
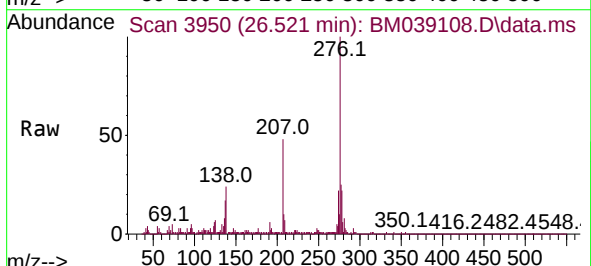
Tgt Ion:276 Resp: 2766977

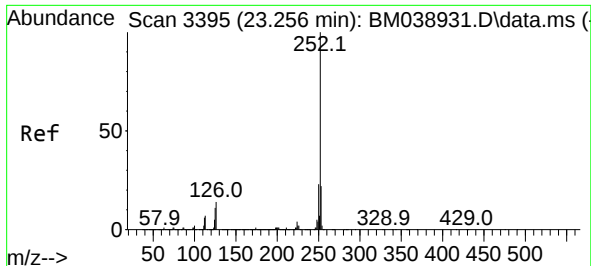
Ion Ratio Lower Upper

276 100

138 23.0 22.1 33.1

277 25.0 20.1 30.1





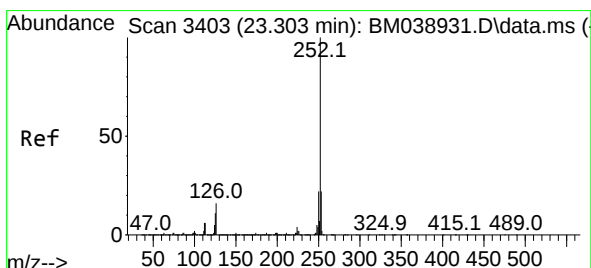
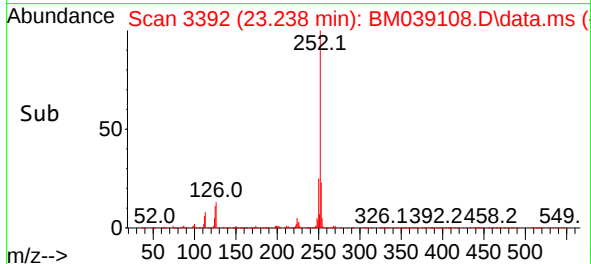
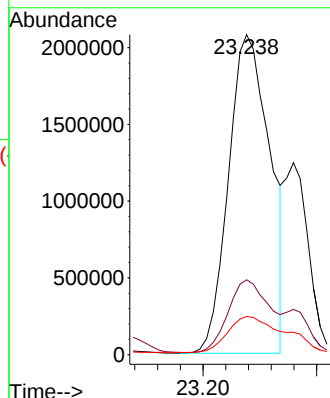
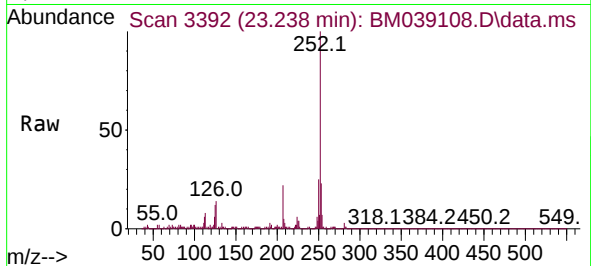
#88
Benzo(b)fluoranthene
Concen: 61.548 ng
RT: 23.238 min Scan# 3392
Delta R.T. 0.018 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423

Tgt Ion:252 Resp: 5270942
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 11.9 8.8 13.2

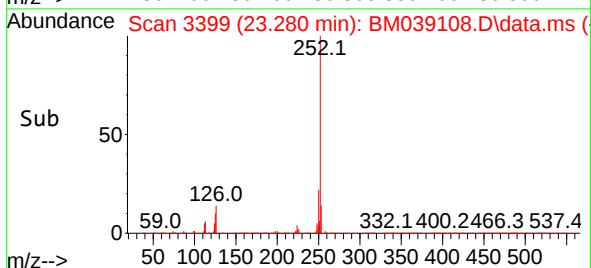
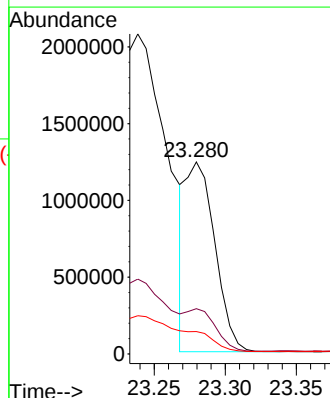
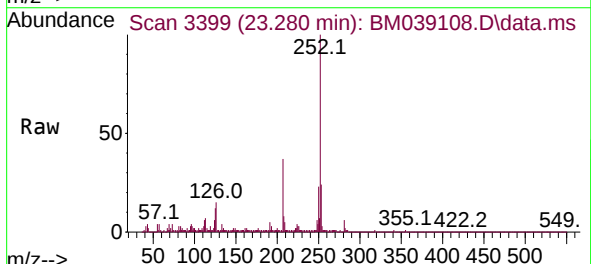
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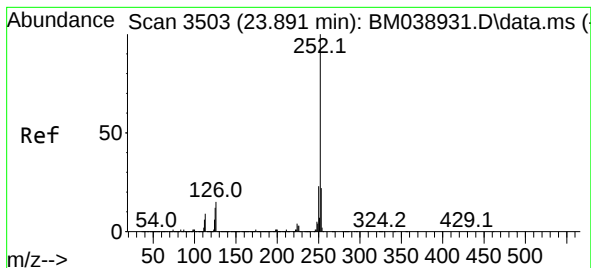
Reviewed By :Christian Giraldo 03/23/2023
Supervised By :Jagrut Upadhyay 03/23/2023



#89
Benzo(k)fluoranthene
Concen: 19.650 ng m
RT: 23.280 min Scan# 3399
Delta R.T. 0.012 min
Lab File: BM039108.D
Acq: 23 Mar 2023 01:08

Tgt Ion:252 Resp: 1751276
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 11.6 8.9 13.3





#90

Benzo(a)pyrene

Concen: 49.970 ng

RT: 23.874 min Scan# 3

Delta R.T. 0.018 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423

Tgt Ion:252 Resp: 4118574

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

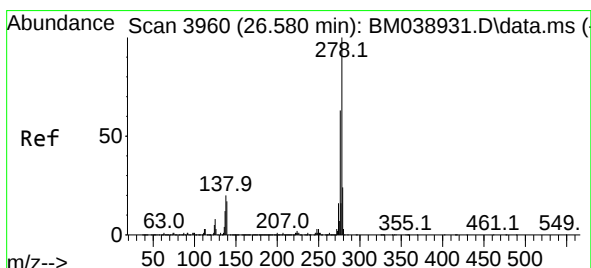
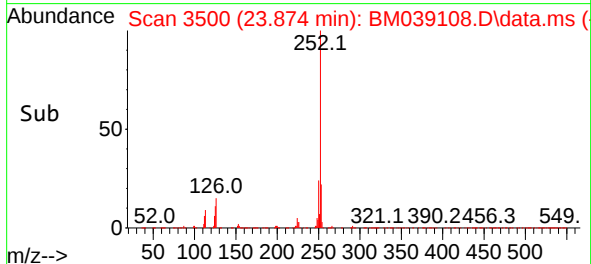
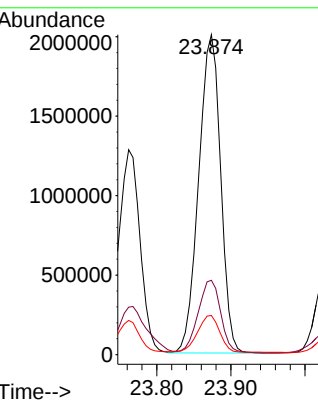
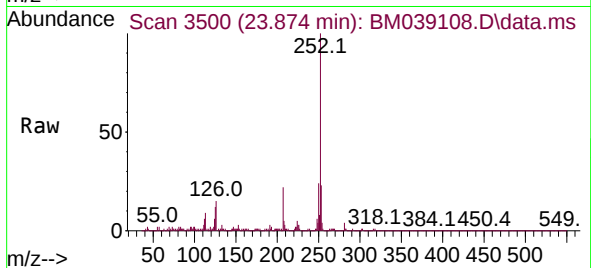
125 12.2 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/23/2023

Supervised By :Jagrut Upadhyay 03/23/2023



#91

Dibenzo(a,h)anthracene

Concen: 7.985 ng

RT: 26.526 min Scan# 3951

Delta R.T. 0.018 min

Lab File: BM039108.D

Acq: 23 Mar 2023 01:08

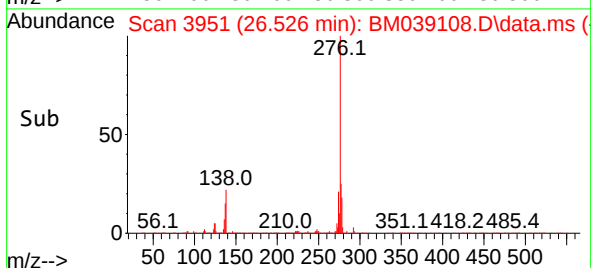
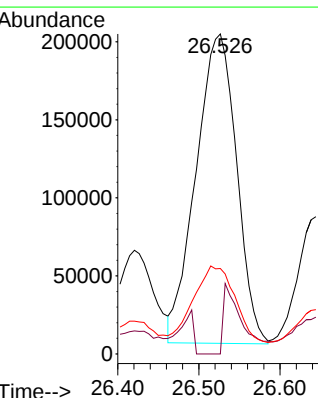
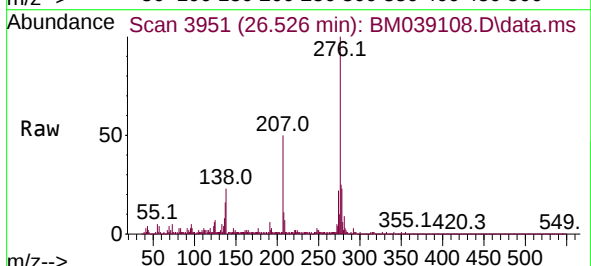
Tgt Ion:278 Resp: 689756

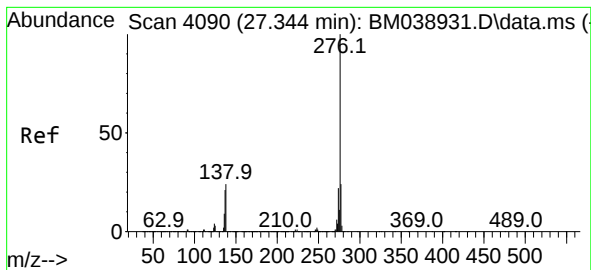
Ion Ratio Lower Upper

278 100

139 0.0 13.7 20.5#

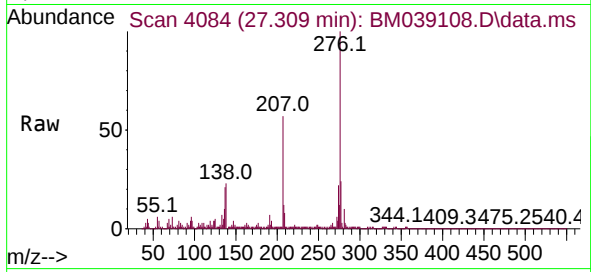
279 26.7 18.9 28.3





#92
 Benzo(g,h,i)perylene
 Concen: 31.965 ng
 RT: 27.309 min Scan# 4084
 Delta R.T. 0.035 min
 Lab File: BM039108.D
 Acq: 23 Mar 2023 01:08

Instrument :
 BNA_M
 ClientSampleId :
 JPP-6C-031423



Tgt Ion: 276 Resp: 2701502

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.3	28.9
138	23.3	19.0	28.6

Manual Integrations
 APPROVED

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

