

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050223\
 Data File : BM039823.D
 Acq On : 03 May 2023 04:21
 Operator : CG/JU
 Sample : 02419-33DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW928DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/03/2023
 Supervised By : Jagrut Upadhyay 05/04/2023

Quant Time: May 03 05:26:58 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 02 18:41:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	3805	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.595	136	12438	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.446	164	6457	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.204	188	12074	0.400	ng/ul	0.00
17) Chrysene-d12	21.403	240	8046	0.400	ng/ul	# 0.00
23) Perylene-d12	23.758	264	10036	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.185	96	2415	0.431	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.196	152	638	0.040	ng/ul	0.00
18) Fluoranthene-d10	19.239	212	1055	0.049	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.645	128	15702	0.503	ng/ul	100
7) 2-Methylnaphthalene	12.267	142	8160	0.453	ng/ul	96
8) 1-Methylnaphthalene	12.487	142	6556	0.339	ng/ul	99
10) Acenaphthylene	14.169	152	30772	1.231	ng/ul	99
11) Acenaphthene	14.511	153	11362	0.579	ng/ul	99
12) Fluorene	15.501	166	17432	0.800	ng/ul	99
15) Phenanthrene	17.242	178	275013	8.646	ng/ul	99
16) Anthracene	17.340	178	77115	2.823	ng/ul	98
19) Fluoranthene	19.272	202	466186	16.241	ng/ul	96
20) Pyrene	19.634	202	403654	13.022	ng/ul	98
21) Benzo(a)anthracene	21.388	228	227002	9.813	ng/ul	99
22) Chrysene	21.441	228	194350	7.424	ng/ul	97
24) Benzo(b)fluoranthene	23.045	252	272224	7.724	ng/ul	94
25) Benzo(k)fluoranthene	23.089	252	92343m	2.573	ng/ul	
26) Benzo(a)pyrene	23.656	252	204601	6.466	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	26.201	276	136565	3.413	ng/ul	91
28) Dibenzo(a,h)anthracene	26.201	278	36729	1.183	ng/ul#	90
29) Benzo(g,h,i)perylene	26.956	276	125023	3.586	ng/ul	99

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

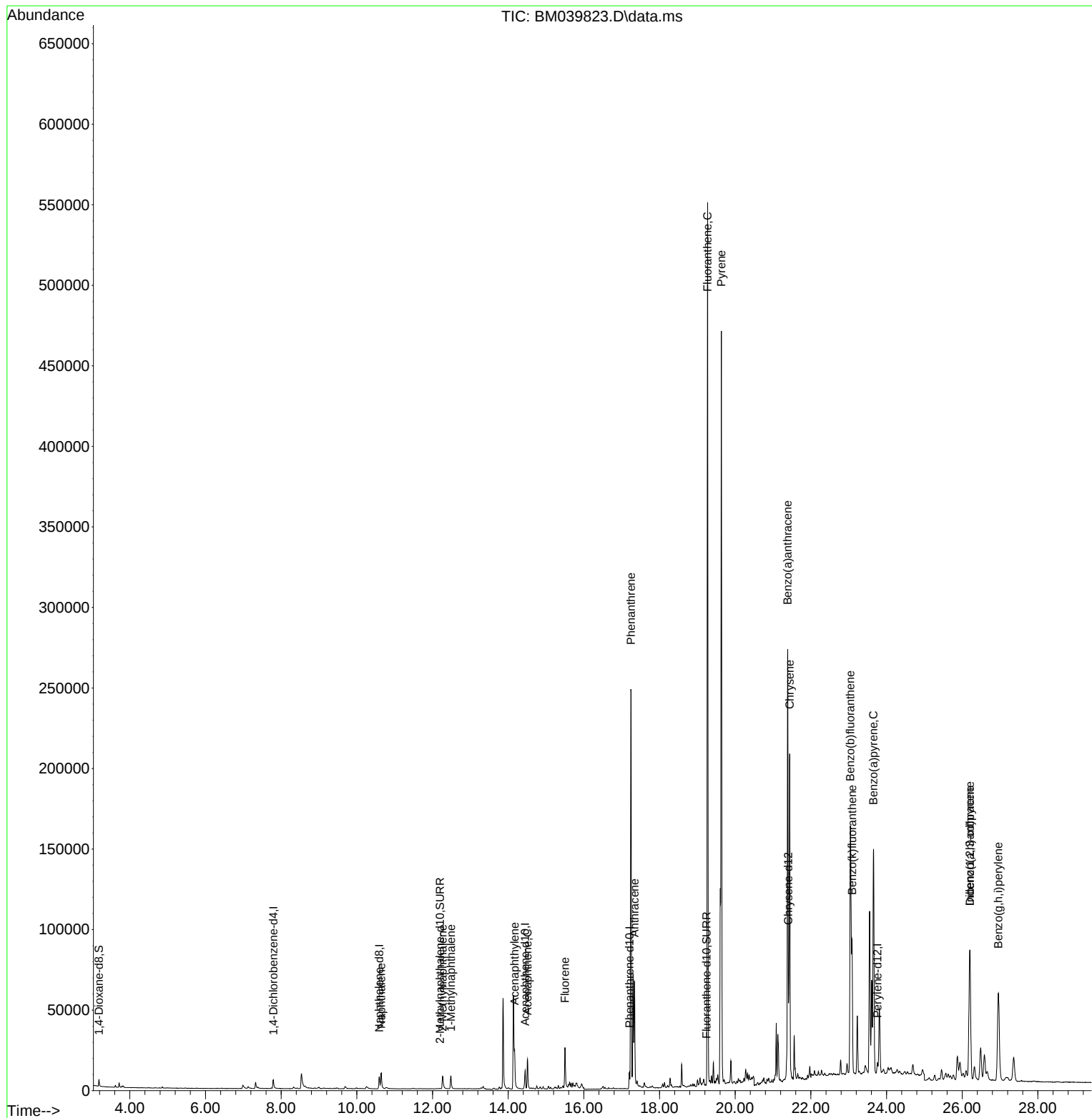
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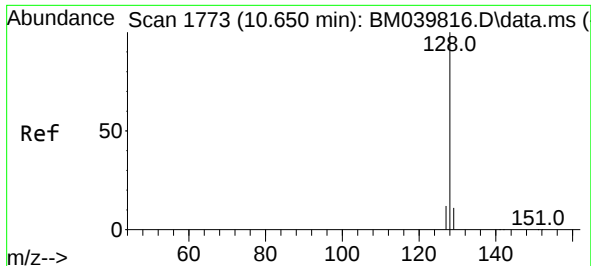
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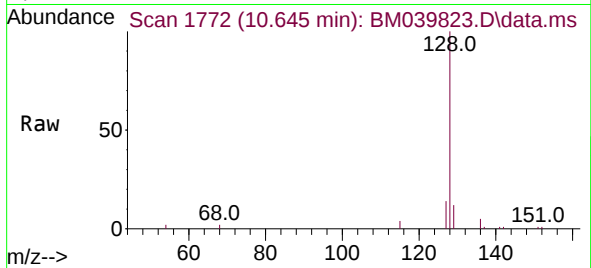
Reviewed By : Christian Giraldo 05/03/2023
Supervised By : Jagrut Upadhyay 05/04/2023





#5
Naphthalene
Concen: 0.503 ng/ul
RT: 10.645 min Scan# 11
Delta R.T. -0.005 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21

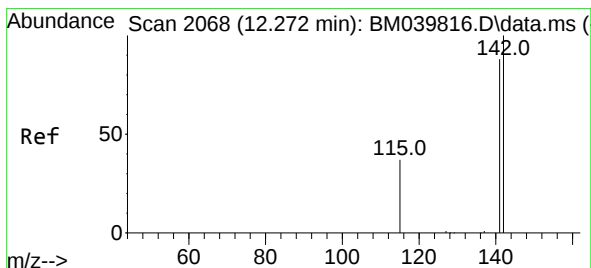
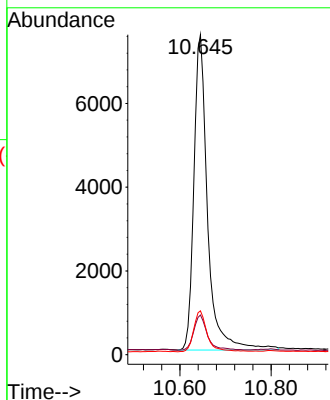
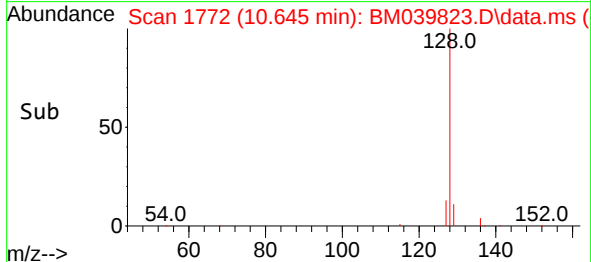
Instrument :
BNA_M
ClientSampleId :
EW928DL



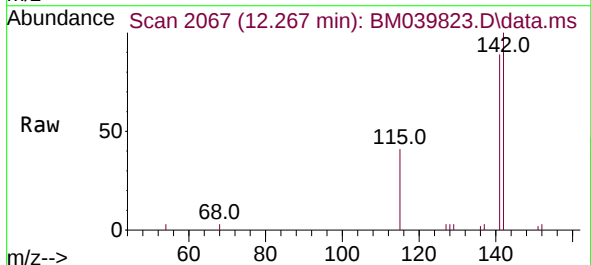
Tgt Ion:128 Resp: 15702
Ion Ratio Lower Upper
128 100
129 12.4 9.8 14.6
127 13.7 11.1 16.7

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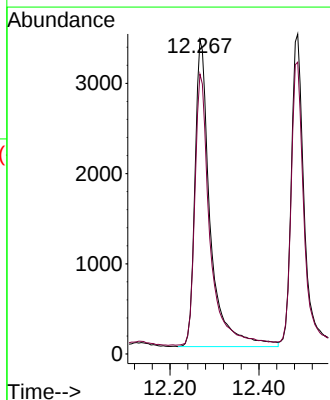
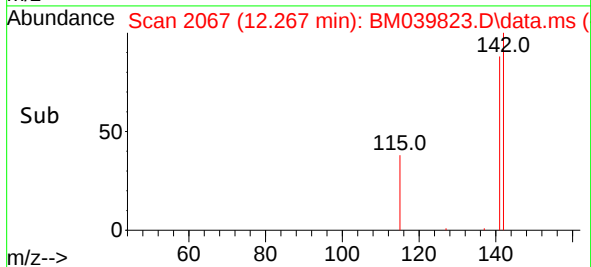
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

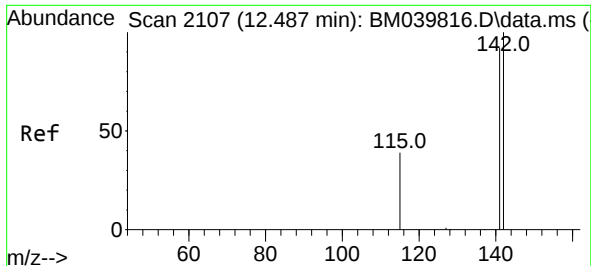


#7
2-Methylnaphthalene
Concen: 0.453 ng/ul
RT: 12.267 min Scan# 2067
Delta R.T. -0.005 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21



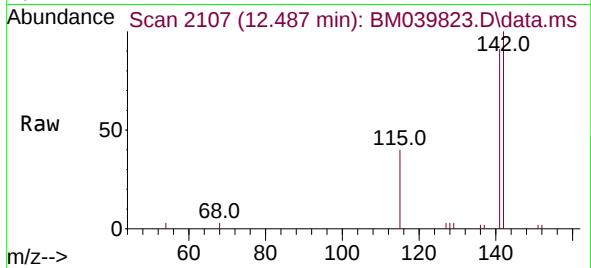
Tgt Ion:142 Resp: 8160
Ion Ratio Lower Upper
142 100
141 87.3 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.339 ng/ul
RT: 12.487 min Scan# 2107
Delta R.T. 0.001 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21

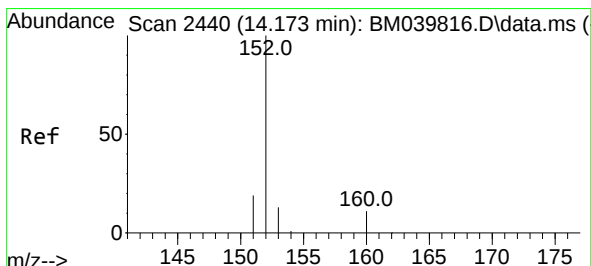
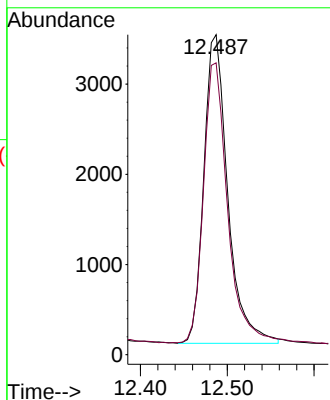
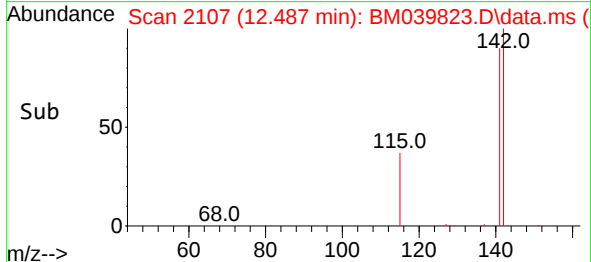
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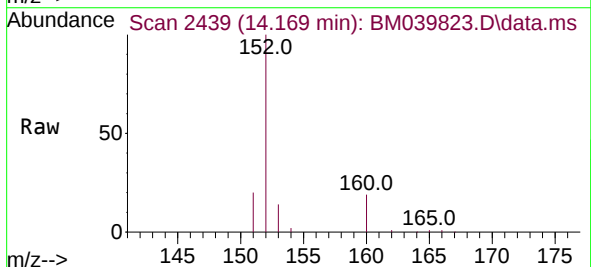
Tgt Ion:142 Resp: 6550
Ion Ratio Lower Upper
142 100
141 91.2 73.4 110.2

Manual Integrations
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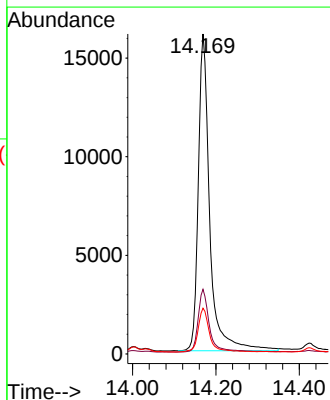
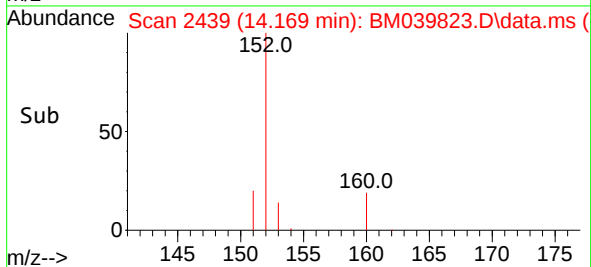
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

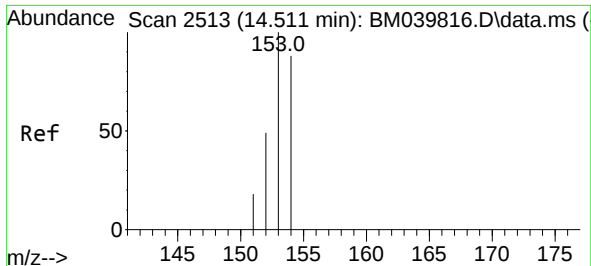


#10
Acenaphthylene
Concen: 1.231 ng/ul
RT: 14.169 min Scan# 2439
Delta R.T. 0.001 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21



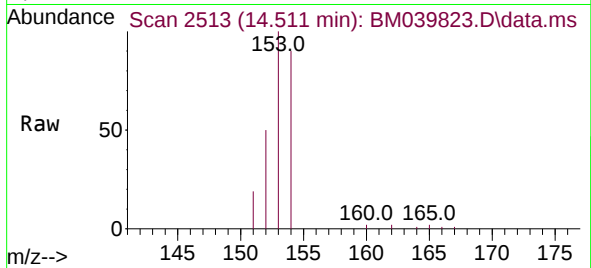
Tgt Ion:152 Resp: 30772
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 14.3 11.2 16.8





#11
Acenaphthene
Concen: 0.579 ng/ul
RT: 14.511 min Scan# 21
Delta R.T. 0.001 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21

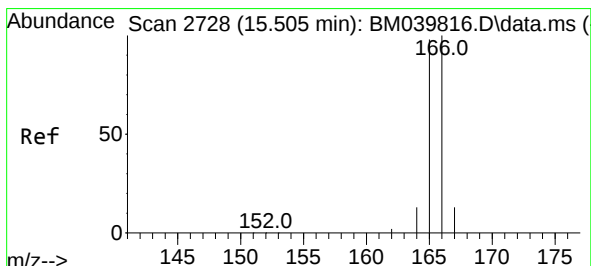
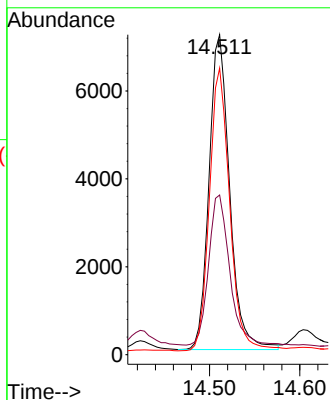
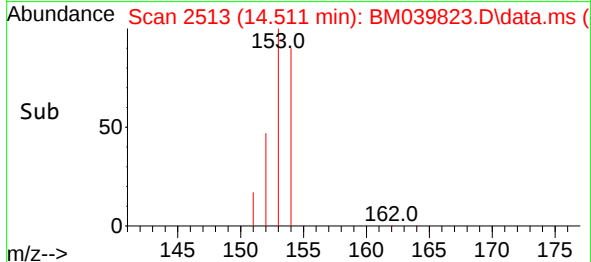
Instrument :
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ClientSampleId :
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Tgt Ion:153 Resp: 11362
Ion Ratio Lower Upper
153 100
152 49.9 40.6 61.0
154 89.5 71.9 107.9

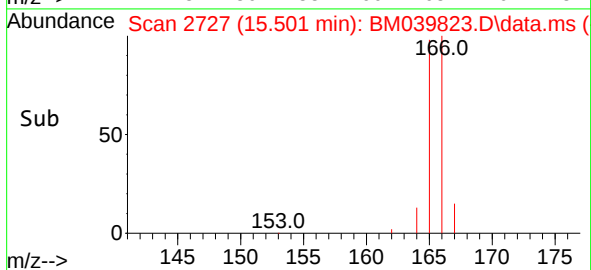
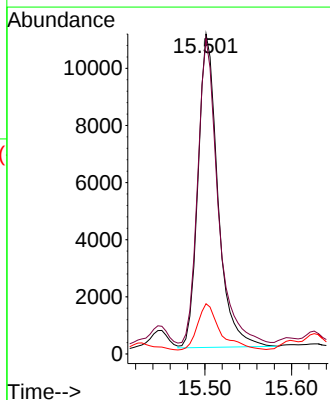
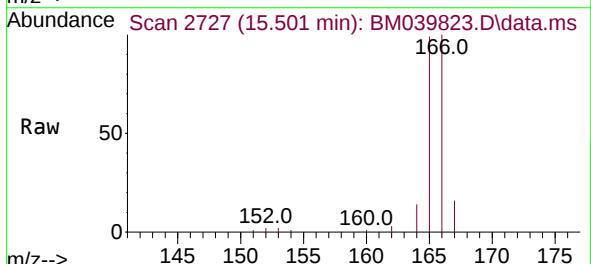
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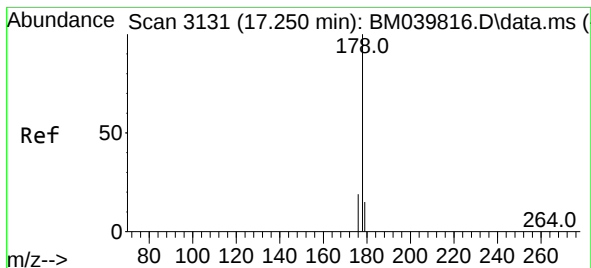
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#12
Fluorene
Concen: 0.800 ng/ul
RT: 15.501 min Scan# 2727
Delta R.T. -0.004 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21

Tgt Ion:166 Resp: 17432
Ion Ratio Lower Upper
166 100
165 98.5 79.0 118.6
167 15.7 11.8 17.6





#15

Phenanthrene

Concen: 8.646 ng/ul

RT: 17.242 min Scan# 31

Delta R.T. -0.004 min

Lab File: BM039823.D

Acq: 03 May 2023 04:21

Instrument :

BNA_M

ClientSampleId :

EW928DL

Tgt Ion:178 Resp: 27501

Ion Ratio Lower Upper

178 100

179 15.5 13.0 19.6

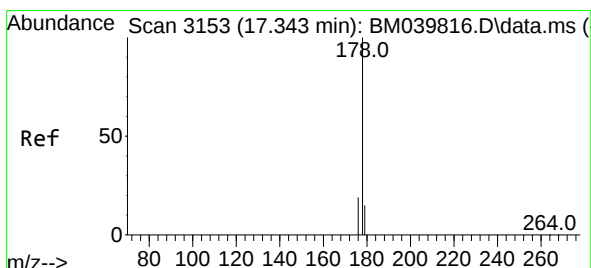
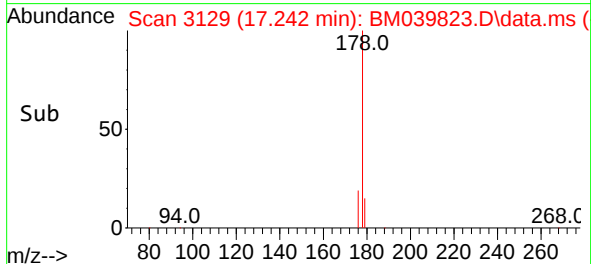
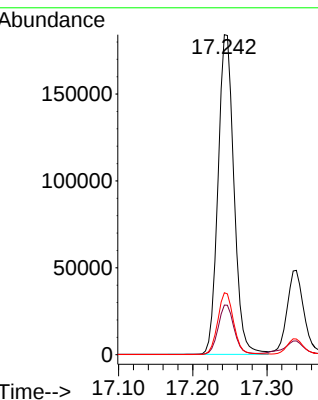
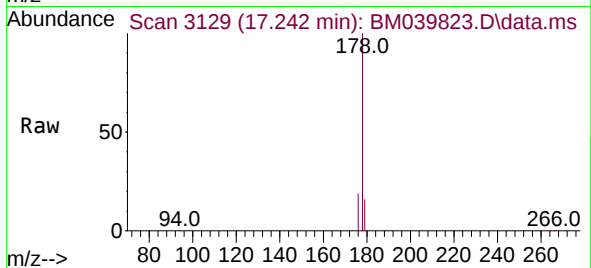
176 19.3 15.8 23.8

Manual Integrations

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#16

Anthracene

Concen: 2.823 ng/ul

RT: 17.340 min Scan# 3152

Delta R.T. -0.004 min

Lab File: BM039823.D

Acq: 03 May 2023 04:21

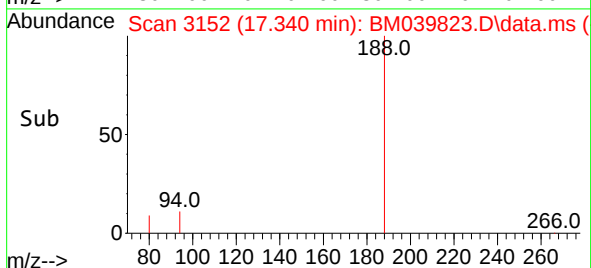
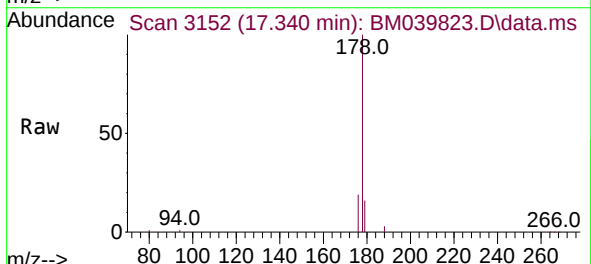
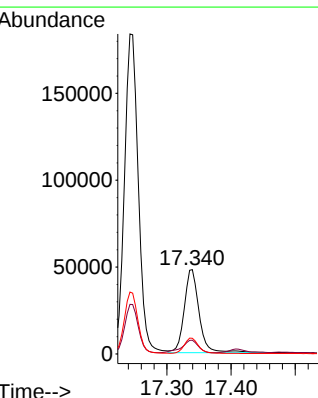
Tgt Ion:178 Resp: 77115

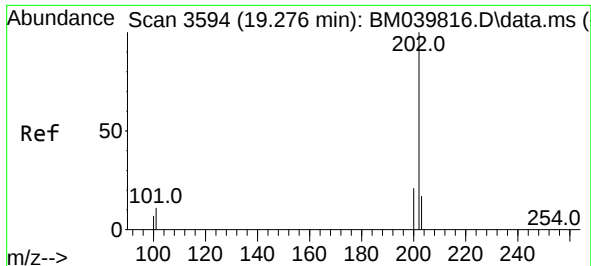
Ion Ratio Lower Upper

178 100

179 16.3 13.8 20.6

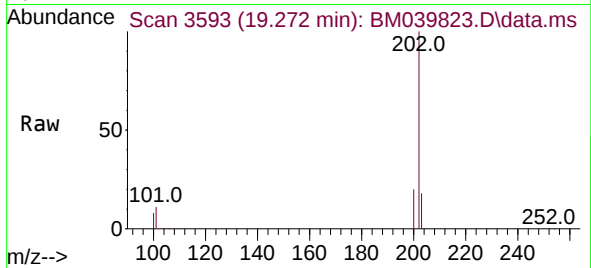
176 18.5 15.8 23.8





#19
Fluoranthene
Concen: 16.241 ng/u1
RT: 19.272 min Scan# 3594
Delta R.T. 0.001 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21

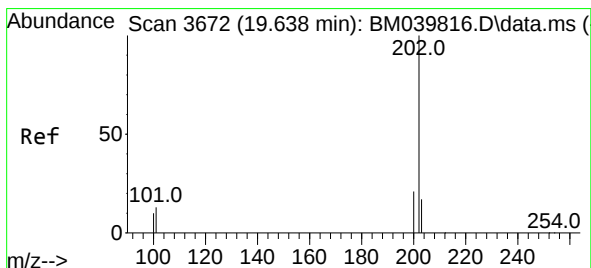
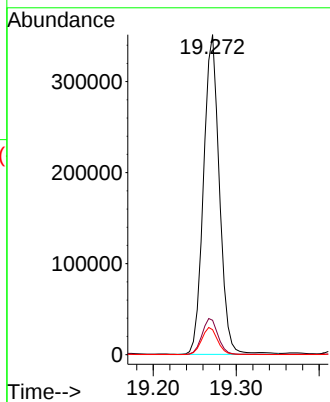
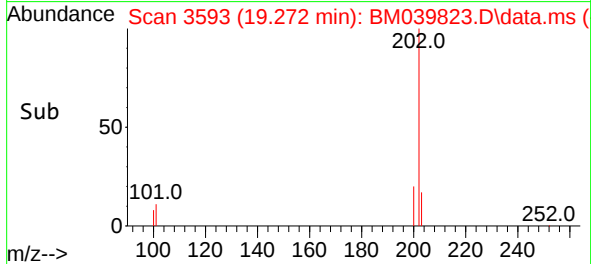
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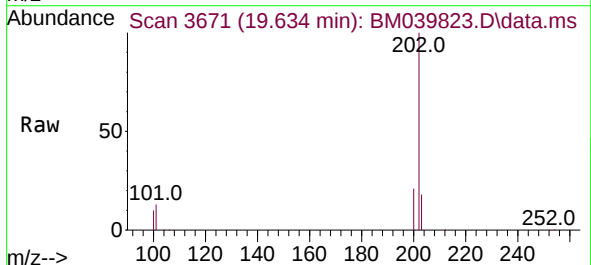
Tgt Ion:202 Resp: 466180
Ion Ratio Lower Upper
202 100
101 10.7 9.8 14.8
100 7.8 7.3 10.9

Manual Integrations
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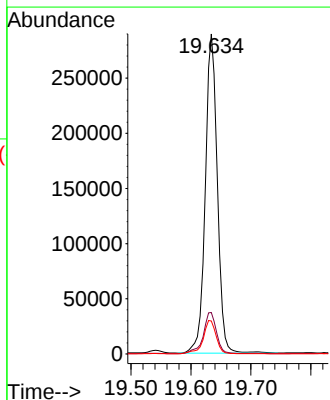
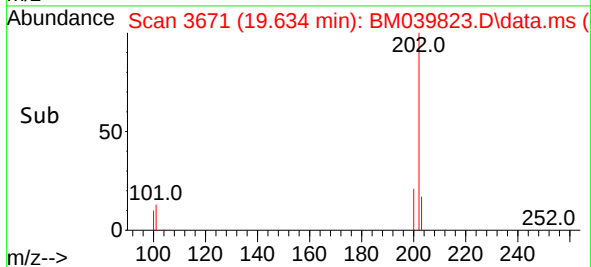
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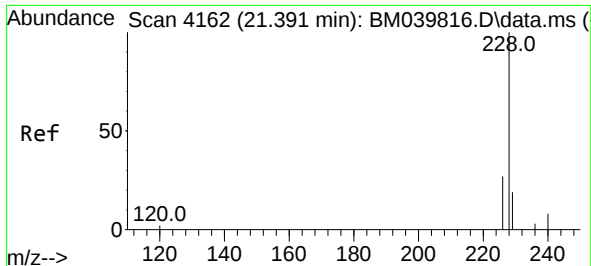


#20
Pyrene
Concen: 13.022 ng/u1
RT: 19.634 min Scan# 3671
Delta R.T. 0.001 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21



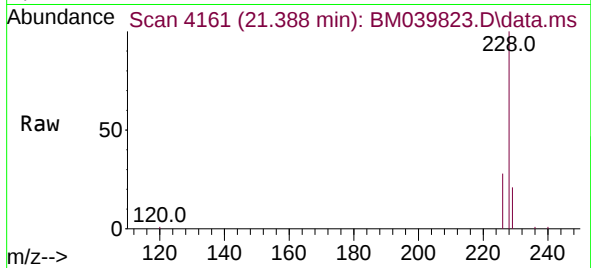
Tgt Ion:202 Resp: 403654
Ion Ratio Lower Upper
202 100
101 13.0 10.9 16.3
100 10.3 8.9 13.3





#21
Benzo(a)anthracene
Concen: 9.813 ng/ul
RT: 21.388 min Scan# 4161
Delta R.T. -0.001 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21

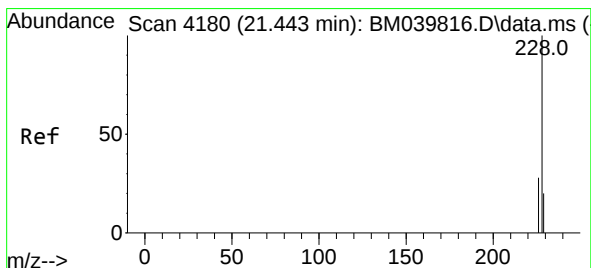
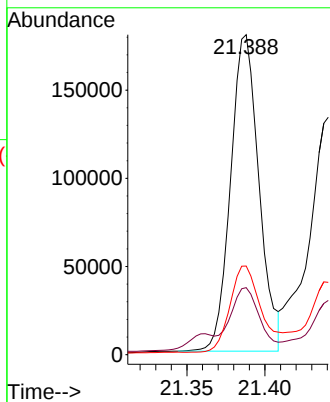
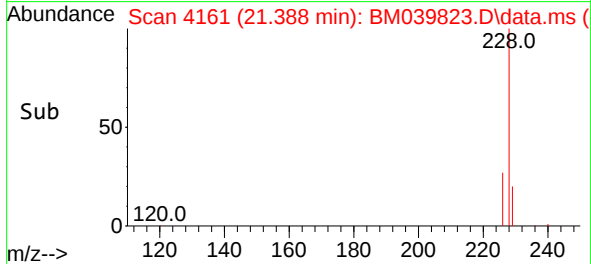
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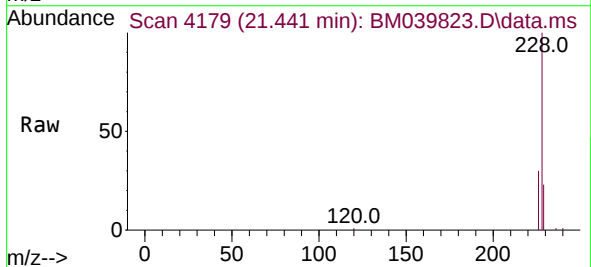
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Ion Ratio Lower Upper
228 100
229 21.0 16.2 24.2
226 27.7 21.6 32.4

Manual Integrations
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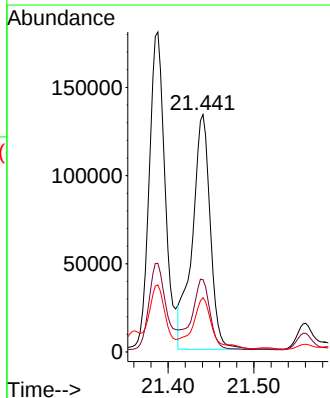
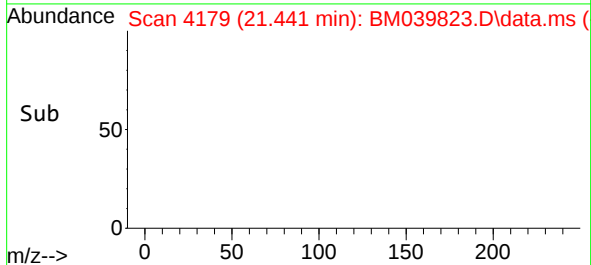
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

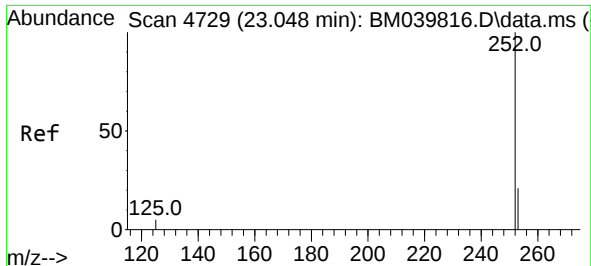


#22
Chrysene
Concen: 7.424 ng/ul
RT: 21.441 min Scan# 4179
Delta R.T. -0.001 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21



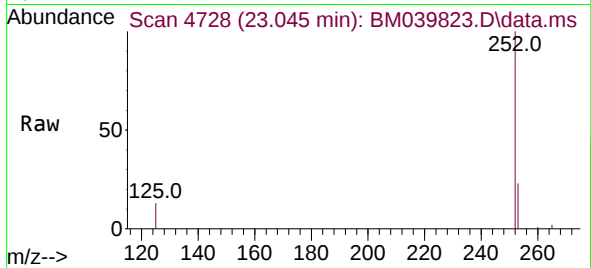
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Ion Ratio Lower Upper
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226 30.5 24.3 36.5
229 22.8 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 7.724 ng/ul
RT: 23.045 min Scan# 4728
Delta R.T. 0.002 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21

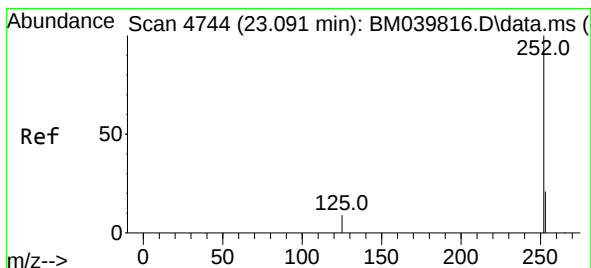
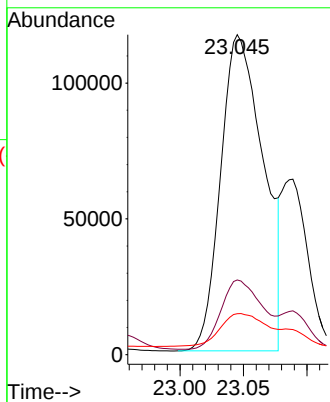
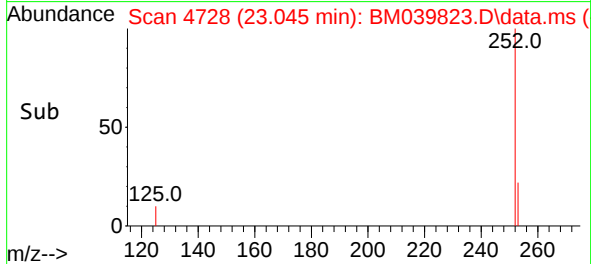
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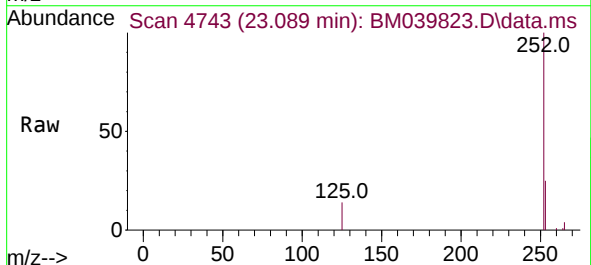
Tgt Ion:252 Resp: 272224
Ion Ratio Lower Upper
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253 23.4 0.0 52.8
125 12.8 0.0 31.6

Manual Integrations
APPROVED

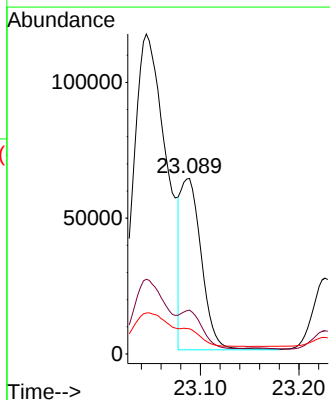
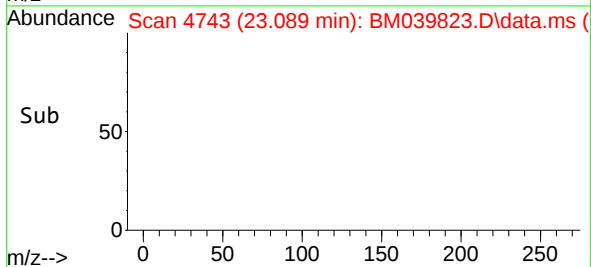
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023

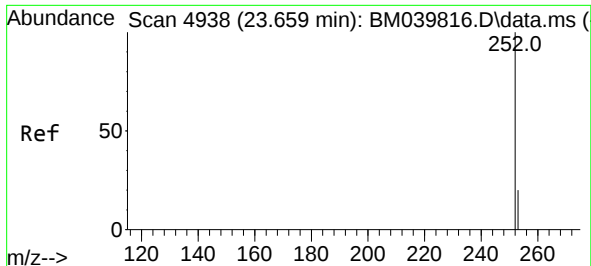


#25
Benzo(k)fluoranthene
Concen: 2.573 ng/ul m
RT: 23.089 min Scan# 4743
Delta R.T. 0.002 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21



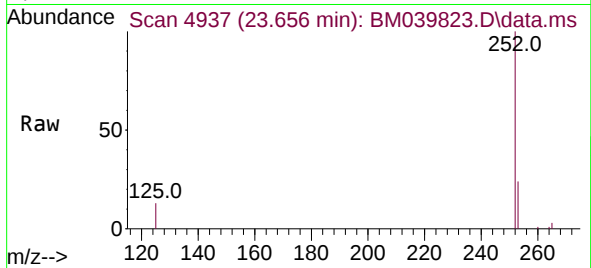
Tgt Ion:252 Resp: 92343
Ion Ratio Lower Upper
252 100
253 25.0 21.3 31.9
125 14.3 13.0 19.6





#26
Benzo(a)pyrene
Concen: 6.466 ng/ul
RT: 23.656 min Scan# 4937
Delta R.T. -0.001 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21

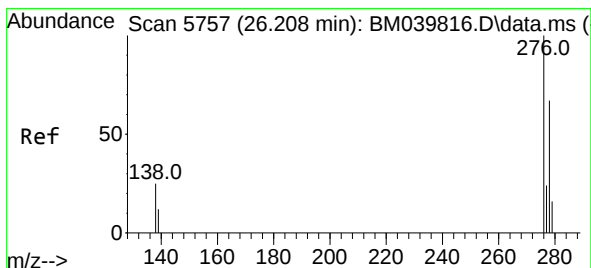
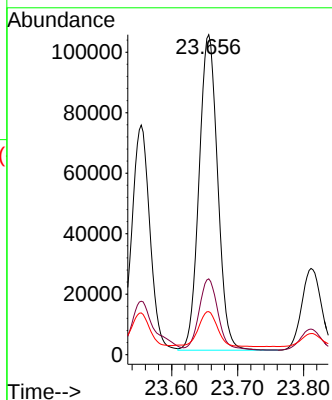
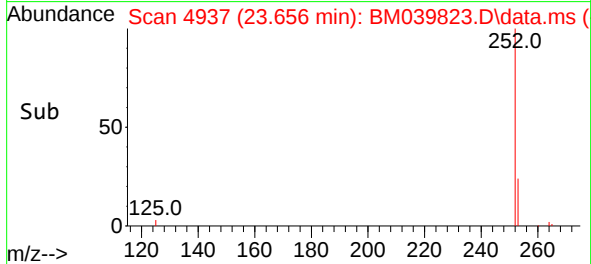
Instrument :
BNA_M
ClientSampleId :
EW928DL



Tgt Ion:252 Resp: 20460
Ion Ratio Lower Upper
252 100
253 23.7 24.7 37.1
125 13.4 16.5 24.7

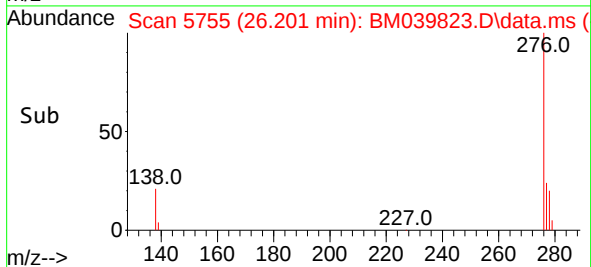
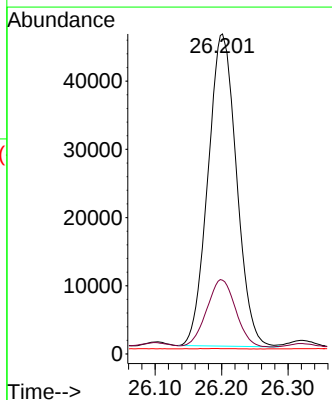
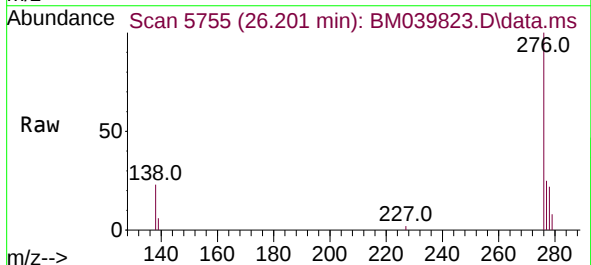
Manual Integrations
APPROVED

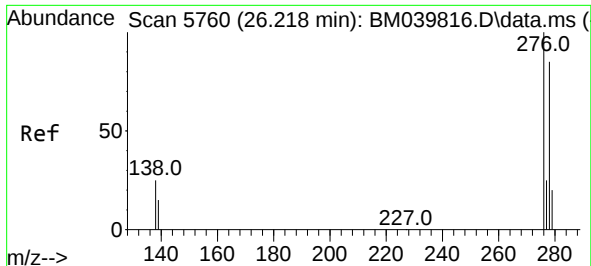
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 3.413 ng/ul
RT: 26.201 min Scan# 5755
Delta R.T. -0.001 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21

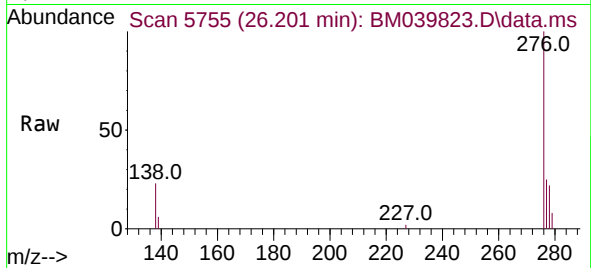
Tgt Ion:276 Resp: 136565
Ion Ratio Lower Upper
276 100
138 21.9 21.1 31.7
227 0.1 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 1.183 ng/ul
RT: 26.201 min Scan# 5755
Delta R.T. -0.011 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21

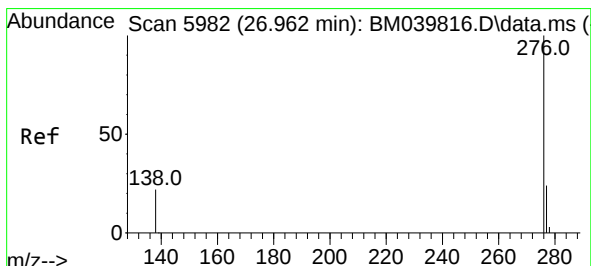
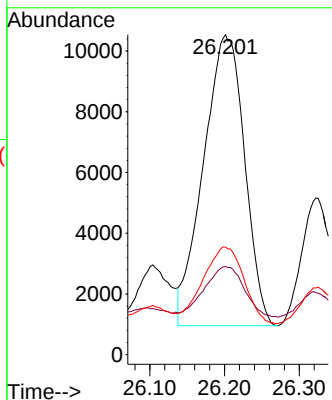
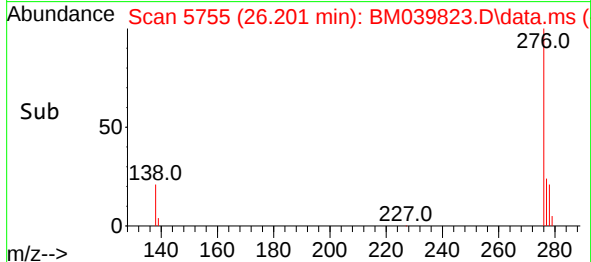
Instrument :
BNA_M
ClientSampleId :
EW928DL



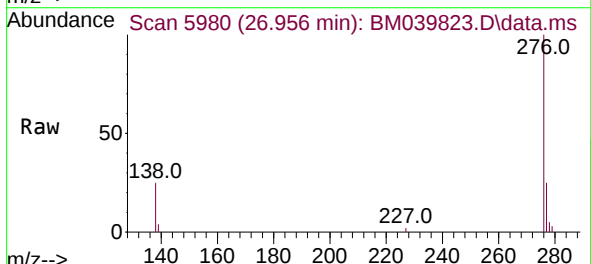
Tgt Ion: 278 Resp: 36729
Ion Ratio Lower Upper
278 100
139 27.5 17.0 25.6
279 33.6 23.4 35.2

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/03/2023
Supervised By : Jagrut Upadhyay 05/04/2023



#29
Benzo(g,h,i)perylene
Concen: 3.586 ng/ul
RT: 26.956 min Scan# 5980
Delta R.T. 0.009 min
Lab File: BM039823.D
Acq: 03 May 2023 04:21



Tgt Ion: 276 Resp: 125023
Ion Ratio Lower Upper
276 100
138 24.7 20.1 30.1
277 25.2 20.1 30.1

