

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
 Data File : BM039774.D
 Acq On : 01 May 2023 13:07
 Operator : CG/JU
 Sample : 02374-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB9D5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/02/2023
 Supervised By : Jagrut Upadhyay 05/02/2023

Quant Time: May 02 01:47:04 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 : Sat Apr 29 04:28:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	3816	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.594	136	14511	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.445	164	8250	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.199	188	18383	0.400	ng/ul	0.00
17) Chrysene-d12	21.394	240	10716	0.400	ng/ul	# 0.00
23) Perylene-d12	23.744	264	9548	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.189	96	12399	2.205	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.200	152	3196	0.172	ng/ul	0.00
18) Fluoranthene-d10	19.233	212	8953	0.310	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.643	128	7014	0.192	ng/ul	99
7) 2-Methylnaphthalene	12.271	142	3274	0.156	ng/ul	98
8) 1-Methylnaphthalene	12.485	142	3374	0.150	ng/ul	100
10) Acenaphthylene	14.167	152	11808	0.370	ng/ul	97
11) Acenaphthene	14.510	153	16978	0.677	ng/ul	99
12) Fluorene	15.500	166	18994	0.683	ng/ul	98
15) Phenanthrene	17.241	178	461192	9.523	ng/ul	98
16) Anthracene	17.334	178	76874	1.849	ng/ul	98
19) Fluoranthene	19.265	202	982581	25.702	ng/ul	97
20) Pyrene	19.628	202	823644	19.950	ng/ul	99
21) Benzo(a)anthracene	21.379	228	397262	12.894	ng/ul	99
22) Chrysene	21.432	228	427056	12.248	ng/ul	98
24) Benzo(b)fluoranthene	23.031	252	515160m	15.363	ng/ul	
25) Benzo(k)fluoranthene	23.074	252	167567m	4.908	ng/ul	
26) Benzo(a)pyrene	23.639	252	311636	10.351	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.164	276	226844	5.959	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.171	278	54403	1.841	ng/ul	97
29) Benzo(g,h,i)perylene	26.912	276	195814	5.903	ng/ul	96

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

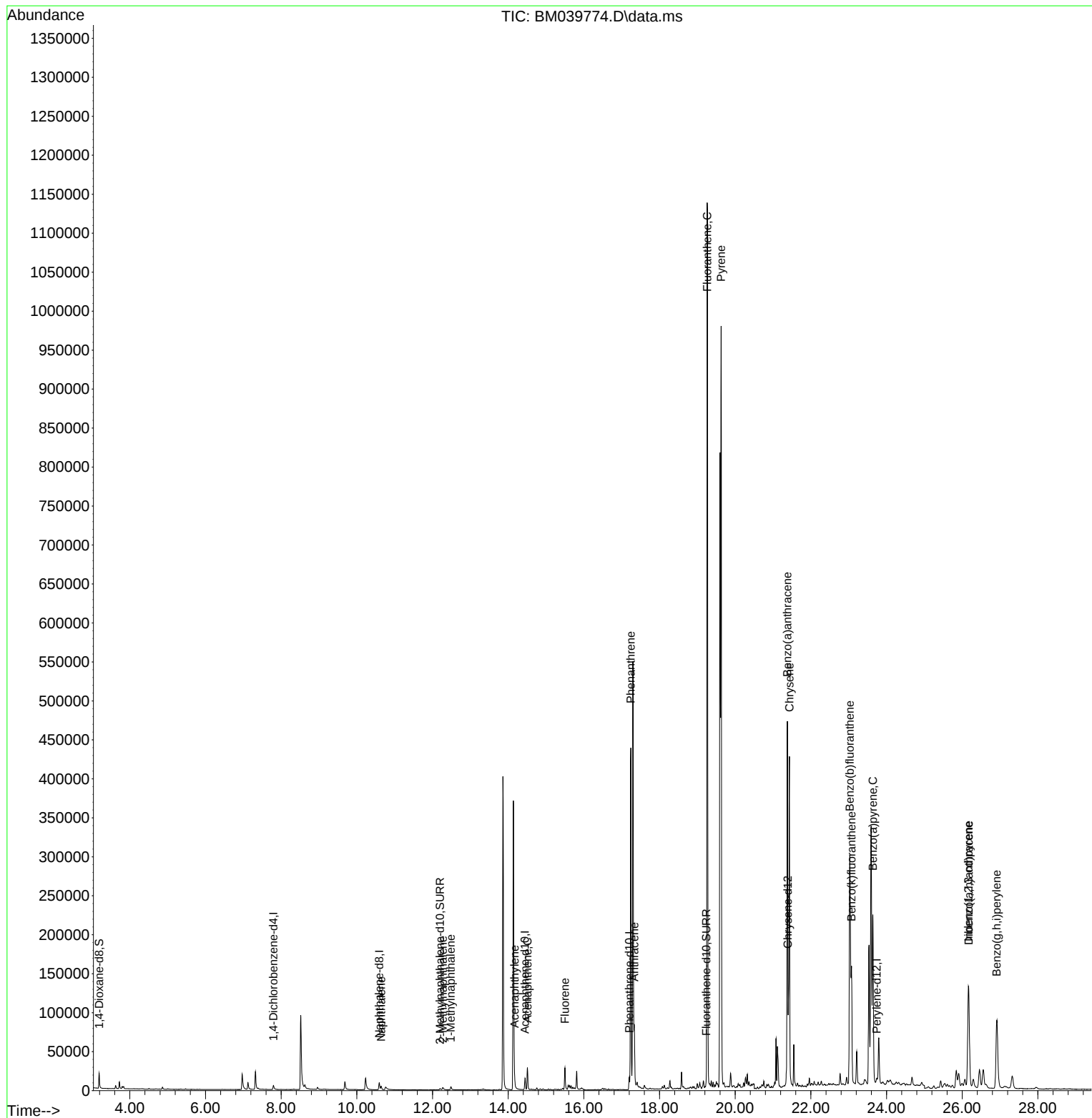
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050123\
Data File : BM039774.D
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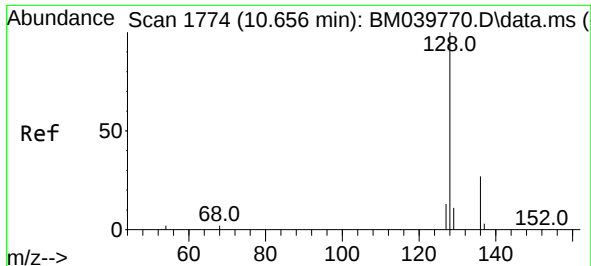
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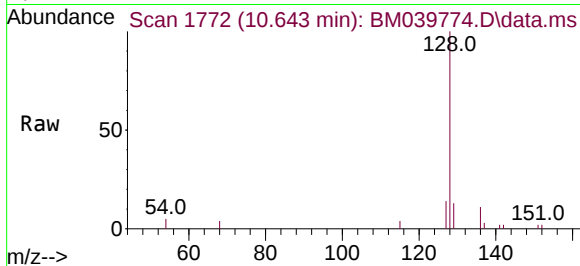
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 29 04:28:45 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.192 ng/ul
RT: 10.643 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07

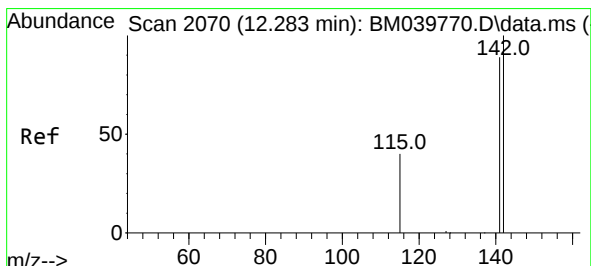
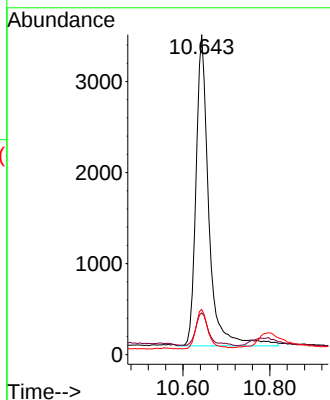
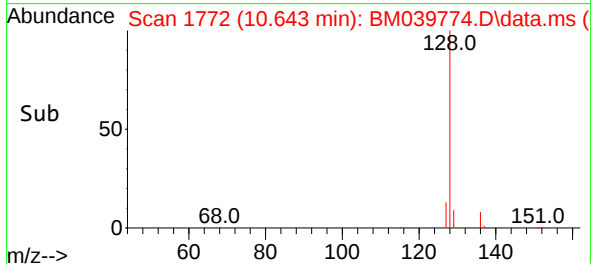
Instrument :
BNA_M
ClientSampleId :
CB9D5



Tgt Ion:128 Resp: 7014
Ion Ratio Lower Upper
128 100
129 13.1 9.8 14.6
127 14.1 11.1 16.7

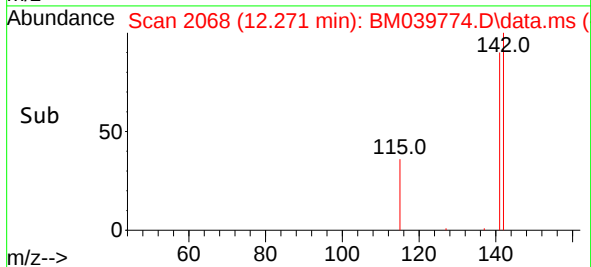
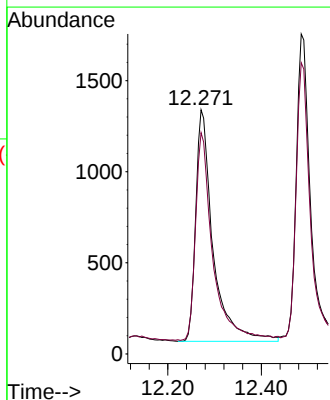
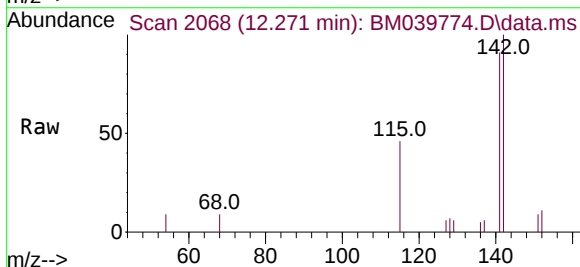
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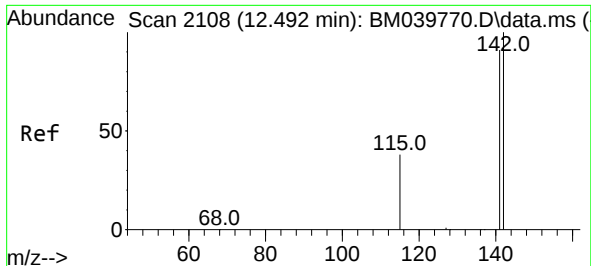
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#7
2-Methylnaphthalene
Concen: 0.156 ng/ul
RT: 12.271 min Scan# 2068
Delta R.T. -0.007 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07

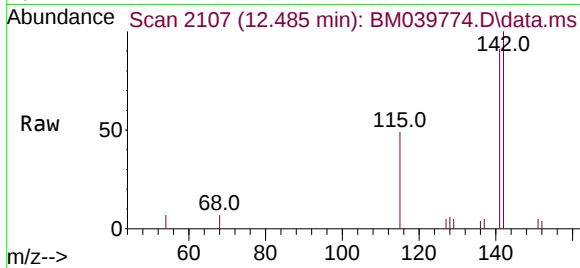
Tgt Ion:142 Resp: 3274
Ion Ratio Lower Upper
142 100
141 89.6 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.150 ng/ul
RT: 12.485 min Scan# 2107
Delta R.T. -0.007 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07

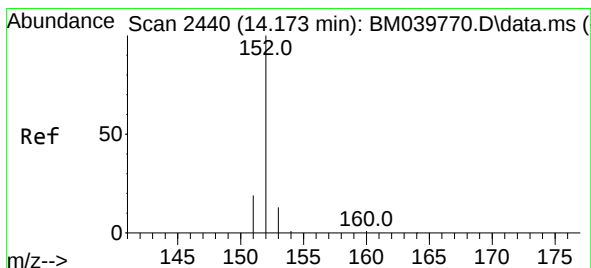
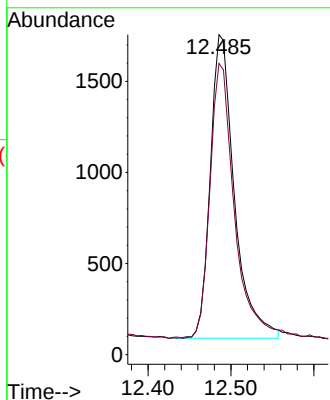
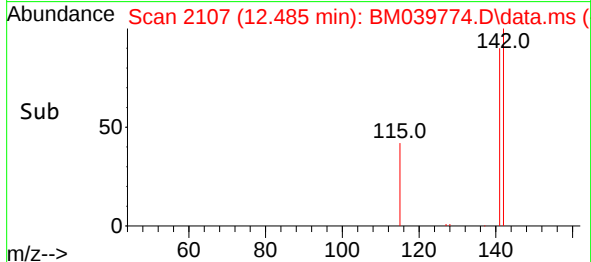
Instrument :
BNA_M
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Tgt Ion:142 Resp: 3374
Ion Ratio Lower Upper
142 100
141 91.5 73.4 110.2

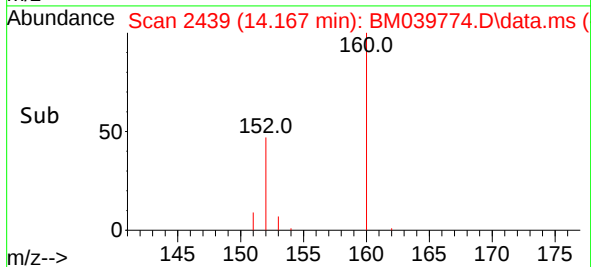
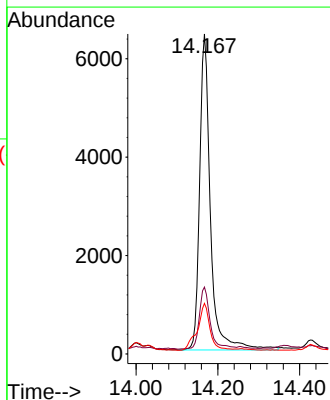
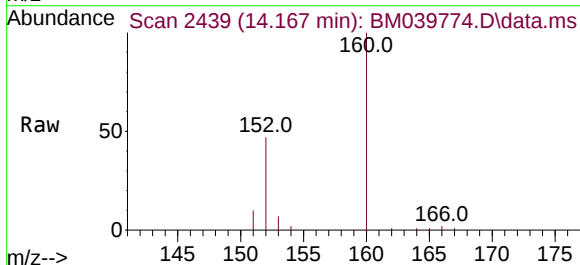
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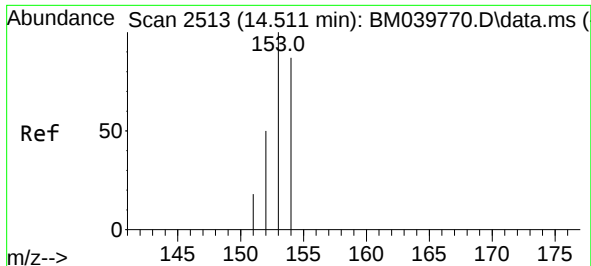
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#10
Acenaphthylene
Concen: 0.370 ng/ul
RT: 14.167 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07

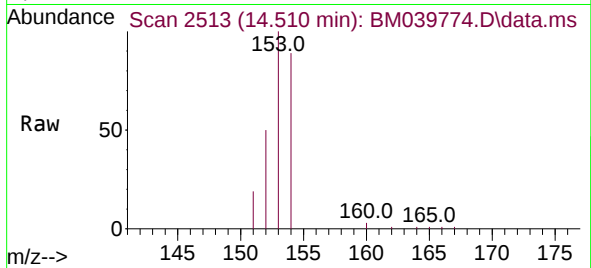
Tgt Ion:152 Resp: 11808
Ion Ratio Lower Upper
152 100
151 20.9 16.0 24.0
153 15.8 11.2 16.8





#11
Acenaphthene
Concen: 0.677 ng/ul
RT: 14.510 min Scan# 21
Delta R.T. -0.001 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07

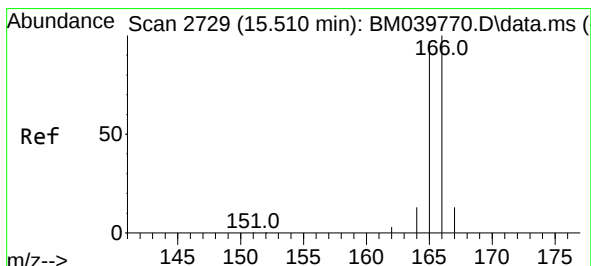
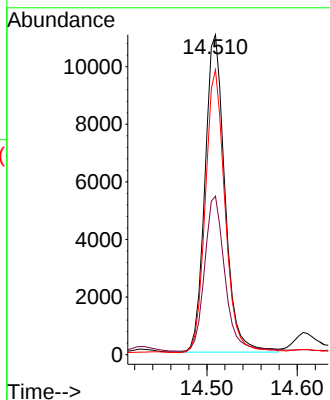
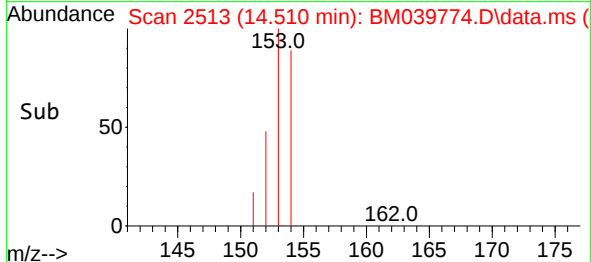
Instrument :
BNA_M
ClientSampleId :
CB9D5



Tgt Ion:153 Resp: 16978
Ion Ratio Lower Upper
153 100
152 49.5 40.6 61.0
154 89.1 71.9 107.9

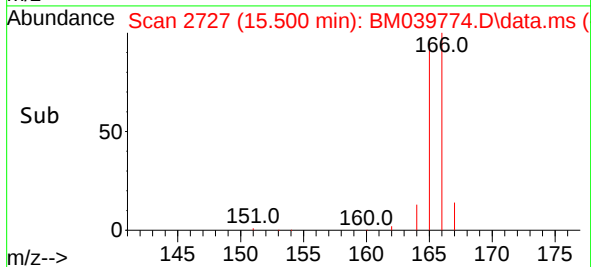
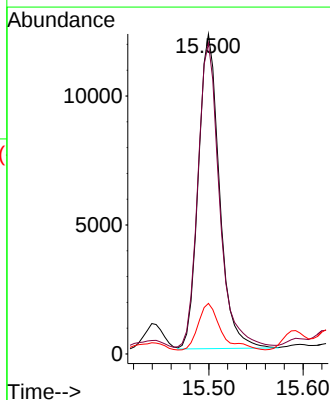
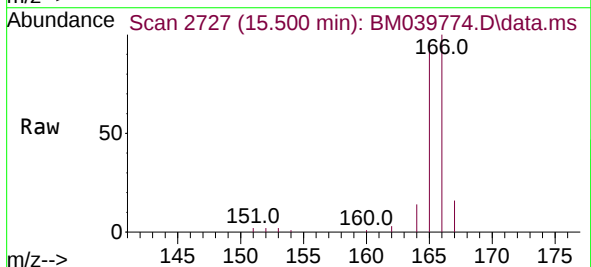
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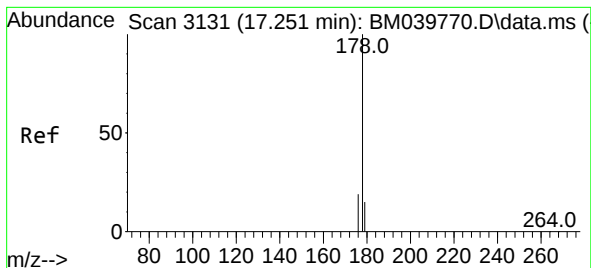
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#12
Fluorene
Concen: 0.683 ng/ul
RT: 15.500 min Scan# 2727
Delta R.T. -0.010 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07

Tgt Ion:166 Resp: 18994
Ion Ratio Lower Upper
166 100
165 97.1 79.0 118.6
167 15.8 11.8 17.6





#15

Phenanthrene

Concen: 9.523 ng/ul

RT: 17.241 min Scan# 31

Delta R.T. -0.005 min

Lab File: BM039774.D

Acq: 01 May 2023 13:07

Instrument :

BNA_M

ClientSampleId :

CB9D5

Tgt Ion:178 Resp: 461192

Ion Ratio Lower Upper

178 100

179 15.7 13.0 19.6

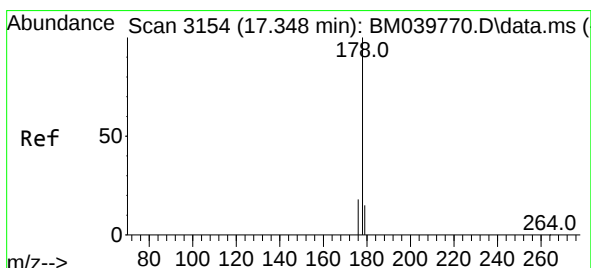
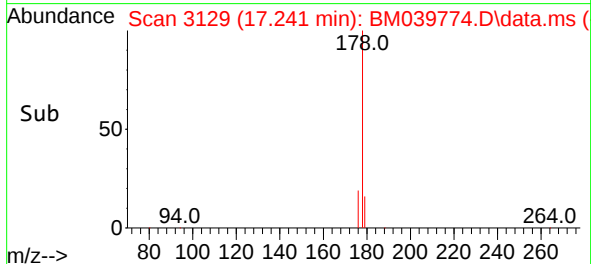
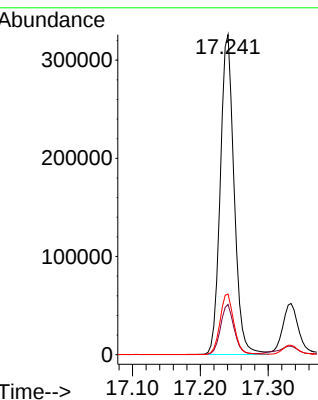
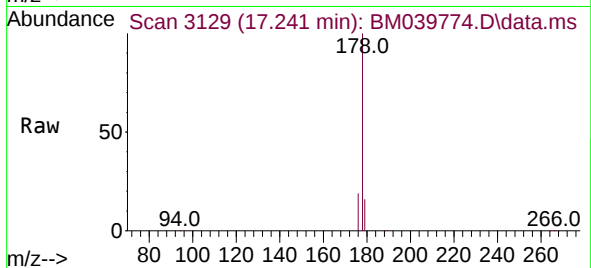
176 18.9 15.8 23.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/02/2023



#16

Anthracene

Concen: 1.849 ng/ul

RT: 17.334 min Scan# 3151

Delta R.T. -0.010 min

Lab File: BM039774.D

Acq: 01 May 2023 13:07

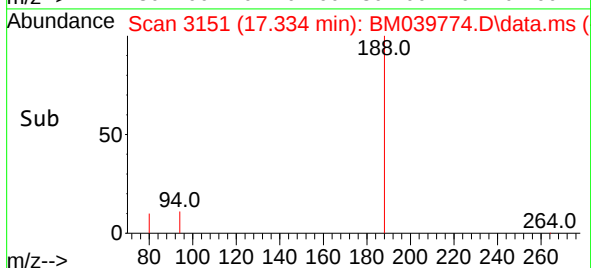
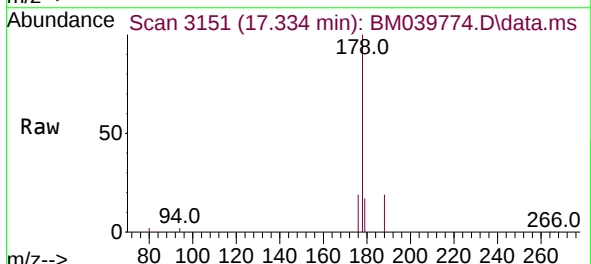
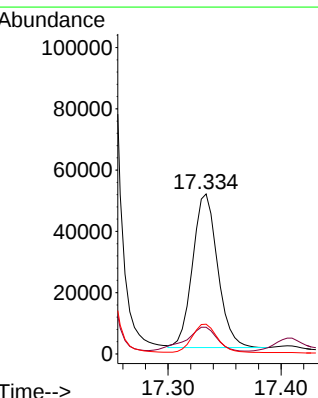
Tgt Ion:178 Resp: 76874

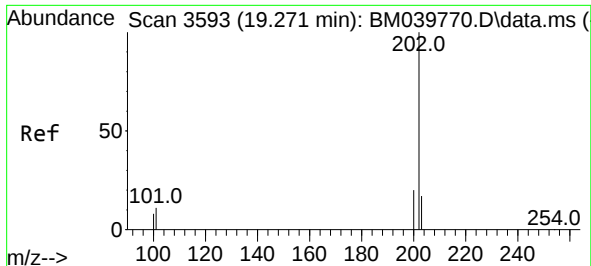
Ion Ratio Lower Upper

178 100

179 16.7 13.8 20.6

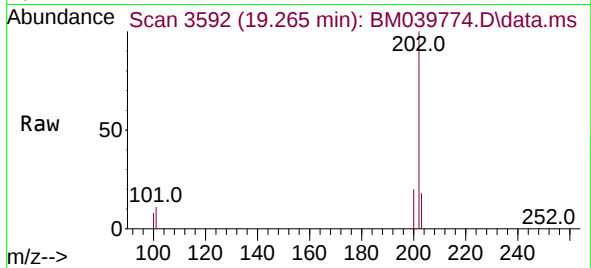
176 18.6 15.8 23.8





#19
Fluoranthene
Concen: 25.702 ng/u1
RT: 19.265 min Scan# 3592
Delta R.T. -0.001 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07

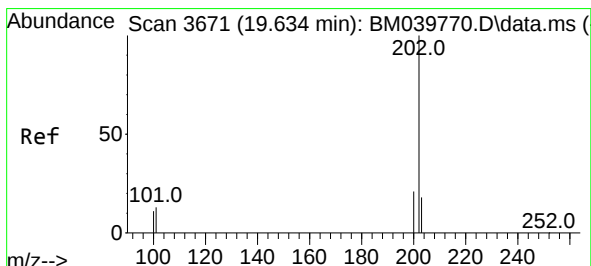
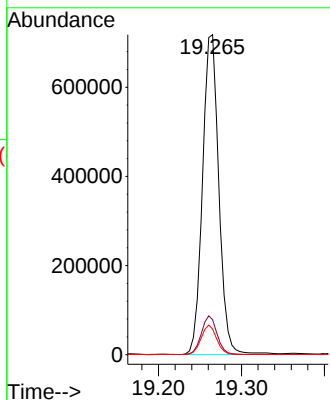
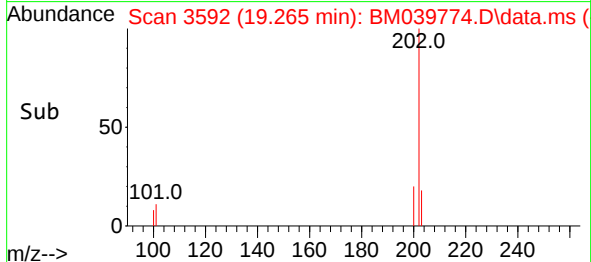
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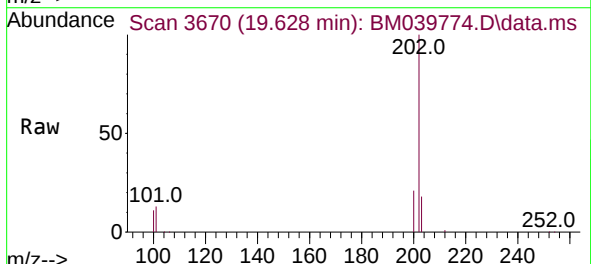
Tgt Ion:202 Resp: 98258
Ion Ratio Lower Upper
202 100
101 10.9 9.8 14.8
100 8.0 7.3 10.9

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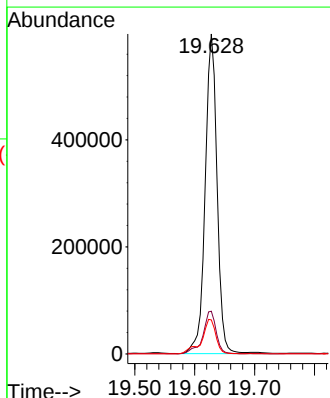
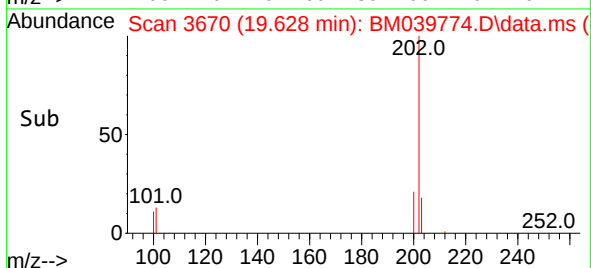
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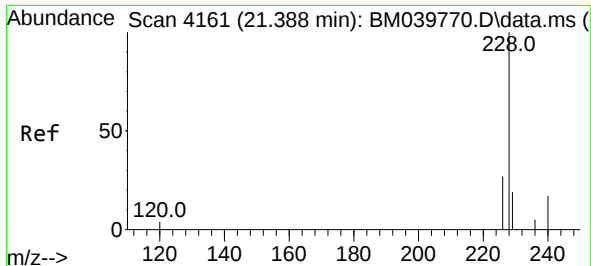


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Pyrene
Concen: 19.950 ng/u1
RT: 19.628 min Scan# 3670
Delta R.T. -0.006 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07



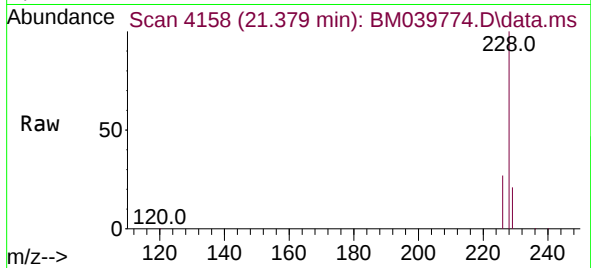
Tgt Ion:202 Resp: 823644
Ion Ratio Lower Upper
202 100
101 13.4 10.9 16.3
100 10.6 8.9 13.3





#21
Benzo(a)anthracene
Concen: 12.894 ng/ul
RT: 21.379 min Scan# 4161
Delta R.T. -0.004 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07

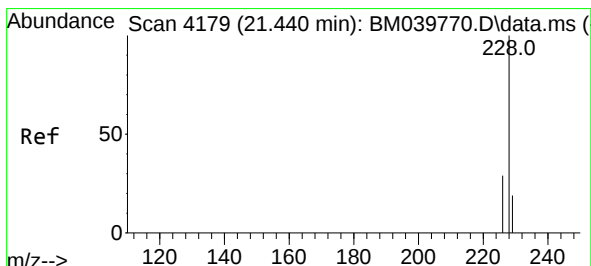
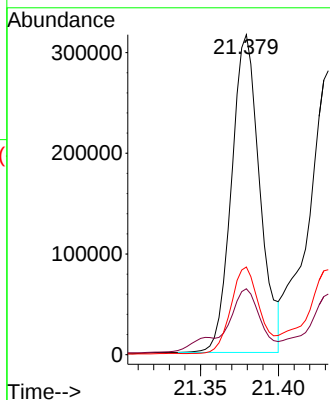
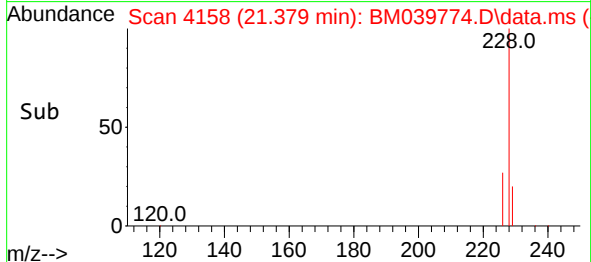
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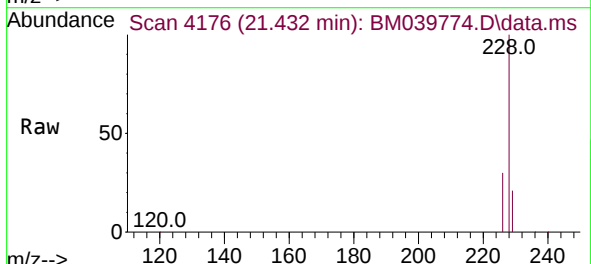
Tgt Ion:228 Resp: 397262
Ion Ratio Lower Upper
228 100
229 20.6 16.2 24.2
226 27.4 21.6 32.4

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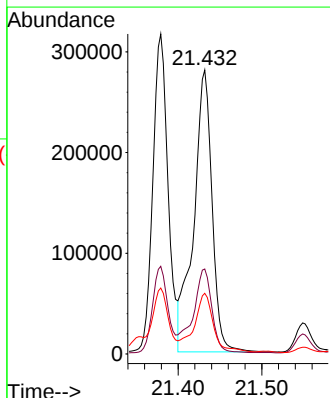
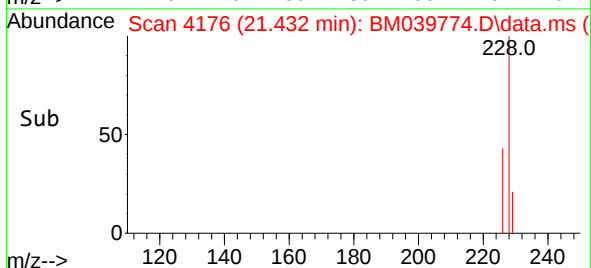
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

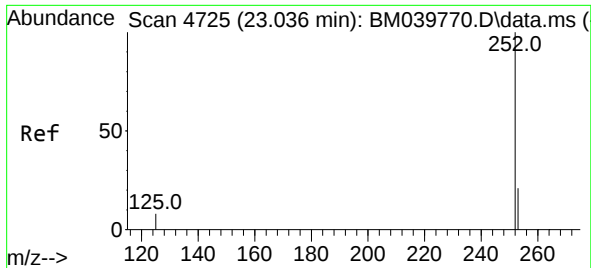


#22
Chrysene
Concen: 12.248 ng/ul
RT: 21.432 min Scan# 4176
Delta R.T. -0.004 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07



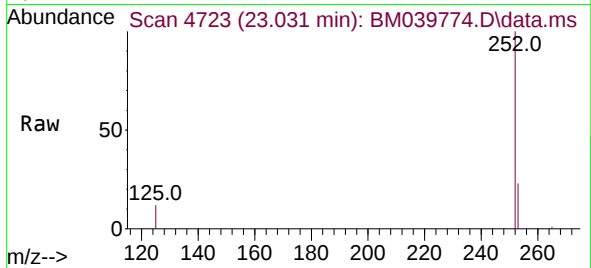
Tgt Ion:228 Resp: 427056
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 21.4 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 15.363 ng/ul m
RT: 23.031 min Scan# 4723
Delta R.T. -0.001 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07

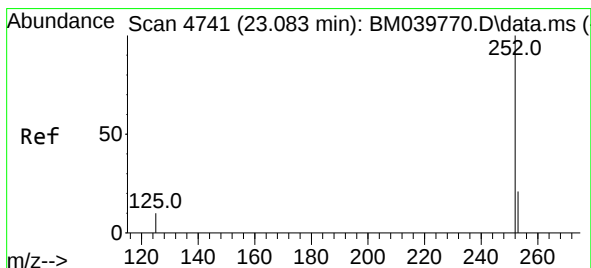
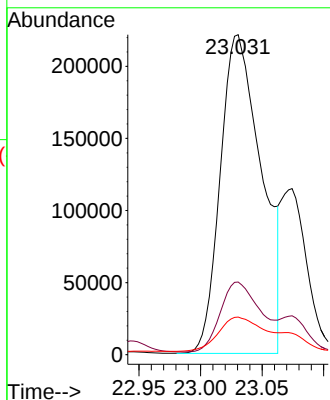
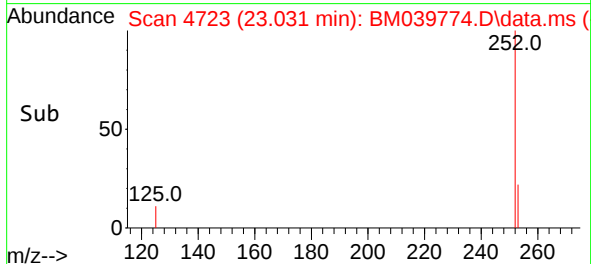
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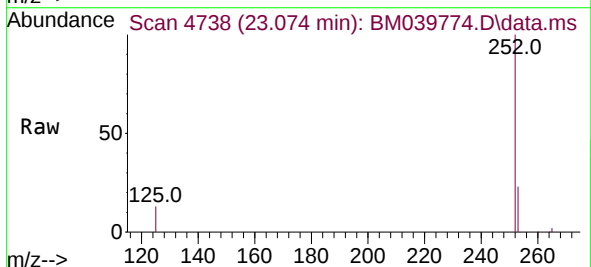
Tgt Ion:252 Resp: 515160
Ion Ratio Lower Upper
252 100
253 22.7 0.0 52.8
125 11.7 0.0 31.6

Manual Integrations
APPROVED

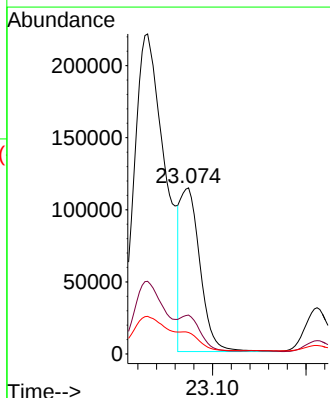
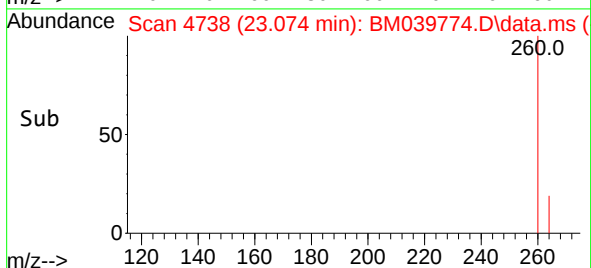
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

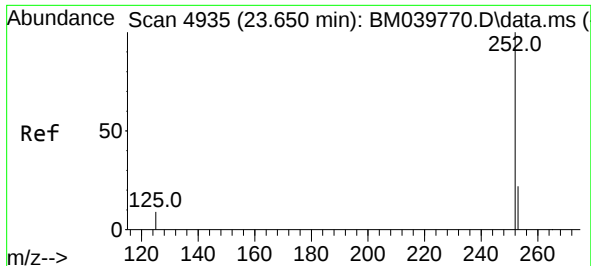


#25
Benzo(k)fluoranthene
Concen: 4.908 ng/ul m
RT: 23.074 min Scan# 4738
Delta R.T. -0.004 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07



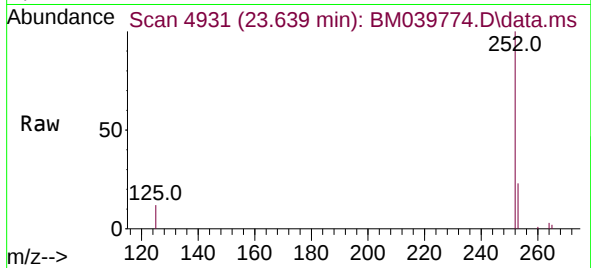
Tgt Ion:252 Resp: 167567
Ion Ratio Lower Upper
252 100
253 23.4 21.3 31.9
125 12.9 13.0 19.6#





#26
Benzo(a)pyrene
Concen: 10.351 ng/ul
RT: 23.639 min Scan# 4931
Delta R.T. -0.004 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07

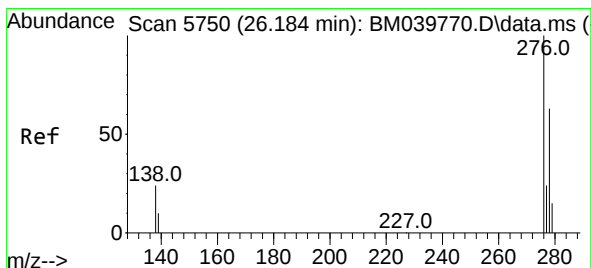
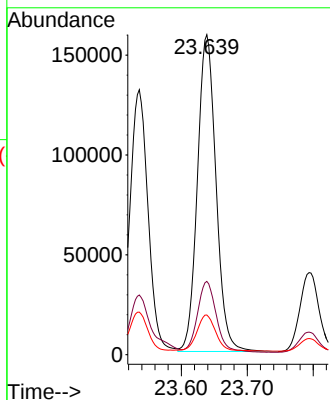
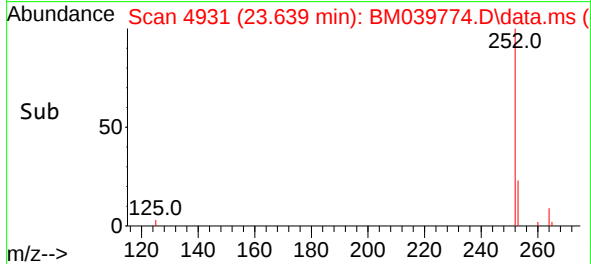
Instrument :
BNA_M
ClientSampleId :
CB9D5



Tgt Ion:252 Resp: 311630
Ion Ratio Lower Upper
252 100
253 22.9 24.7 37.1
125 12.4 16.5 24.7

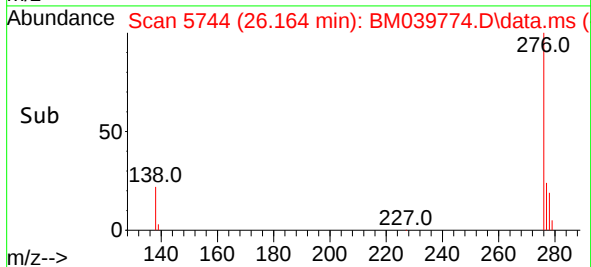
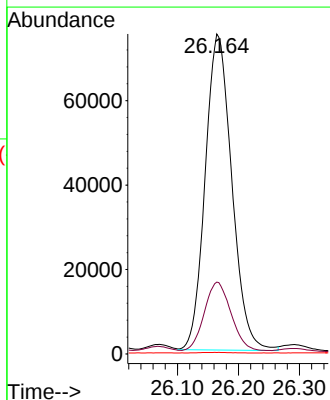
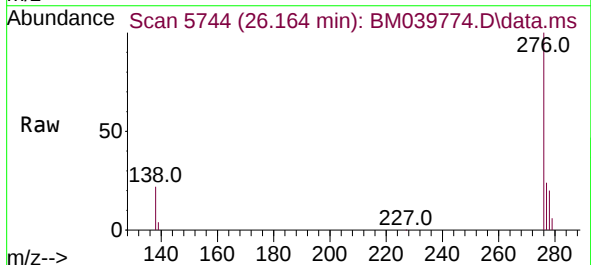
Manual Integrations
APPROVED

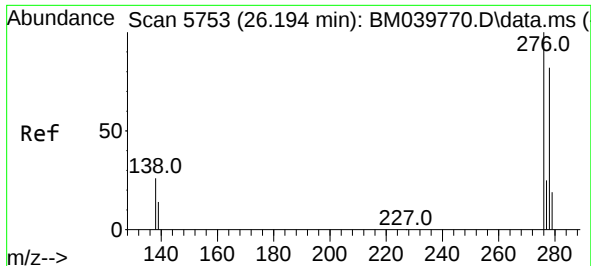
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 5.959 ng/ul
RT: 26.164 min Scan# 5744
Delta R.T. -0.015 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07

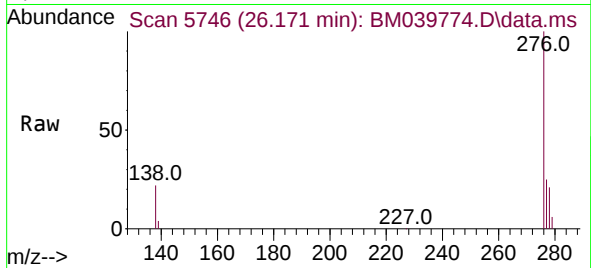
Tgt Ion:276 Resp: 226844
Ion Ratio Lower Upper
276 100
138 22.0 21.1 31.7
227 0.2 0.1 0.1





#28
Dibenzo(a,h)anthracene
Concen: 1.841 ng/ul
RT: 26.171 min Scan# 51
Delta R.T. -0.018 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07

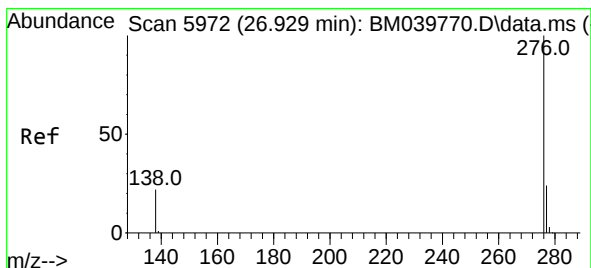
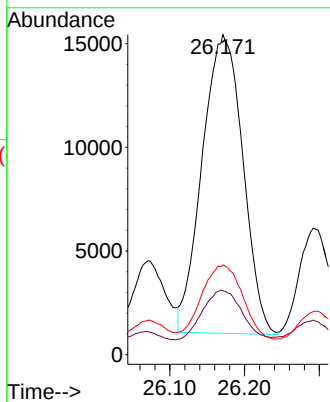
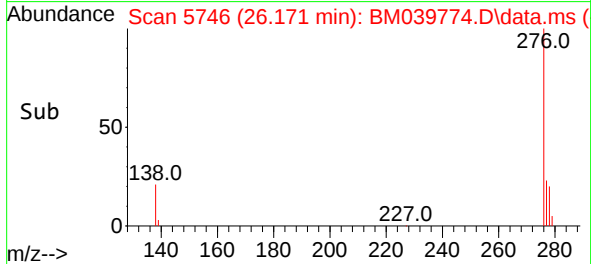
Instrument :
BNA_M
ClientSampleId :
CB9D5



Tgt Ion:278 Resp: 5440
Ion Ratio Lower Upper
278 100
139 20.0 17.0 25.6
279 28.1 23.4 35.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#29
Benzo(g,h,i)perylene
Concen: 5.903 ng/ul
RT: 26.912 min Scan# 5967
Delta R.T. -0.008 min
Lab File: BM039774.D
Acq: 01 May 2023 13:07

Tgt Ion:276 Resp: 195814
Ion Ratio Lower Upper
276 100
138 22.7 20.1 30.1
277 23.9 20.1 30.1

