

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050823\
 Data File : BM039874.D
 Acq On : 08 May 2023 18:19
 Operator : CG/JU
 Sample : 02479-14DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW973DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/09/2023
 Supervised By : Jagrut Upadhyay 05/09/2023

Quant Time: May 09 01:52:45 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 : Mon May 08 14:35:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.783	152	3932	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.584	136	14117	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.437	164	7946	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.191	188	15228	0.400	ng/ul	0.00
17) Chrysene-d12	21.391	240	8599	0.400	ng/ul	0.00
23) Perylene-d12	23.738	264	8181	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.180	96	2598	0.448	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.201	152	751	0.041	ng/ul	0.00
18) Fluoranthene-d10	19.225	212	1366	0.059	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.639	128	1337	0.038	ng/ul#	77
7) 2-Methylnaphthalene	12.272	142	967	0.047	ng/ul	98
8) 1-Methylnaphthalene	12.487	142	680	0.031	ng/ul	99
10) Acenaphthylene	14.159	152	2132	0.069	ng/ul#	82
11) Acenaphthene	14.497	153	711	0.029	ng/ul	95
12) Fluorene	15.492	166	961	0.036	ng/ul#	93
15) Phenanthrene	17.234	178	19660	0.490	ng/ul	100
16) Anthracene	17.326	178	5444	0.158	ng/ul	95
19) Fluoranthene	19.257	202	48521	1.582	ng/ul	98
20) Pyrene	19.620	202	44696	1.349	ng/ul	99
21) Benzo(a)anthracene	21.373	228	22699m	0.918	ng/ul	
22) Chrysene	21.426	228	25622m	0.916	ng/ul	
24) Benzo(b)fluoranthene	23.024	252	33029	1.150	ng/ul	98
25) Benzo(k)fluoranthene	23.065	252	11353m	0.388	ng/ul	
26) Benzo(a)pyrene	23.629	252	21285	0.825	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.164	276	17905	0.549	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.167	278	4505	0.178	ng/ul#	68
29) Benzo(g,h,i)perylene	26.915	276	20213	0.711	ng/ul	98

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

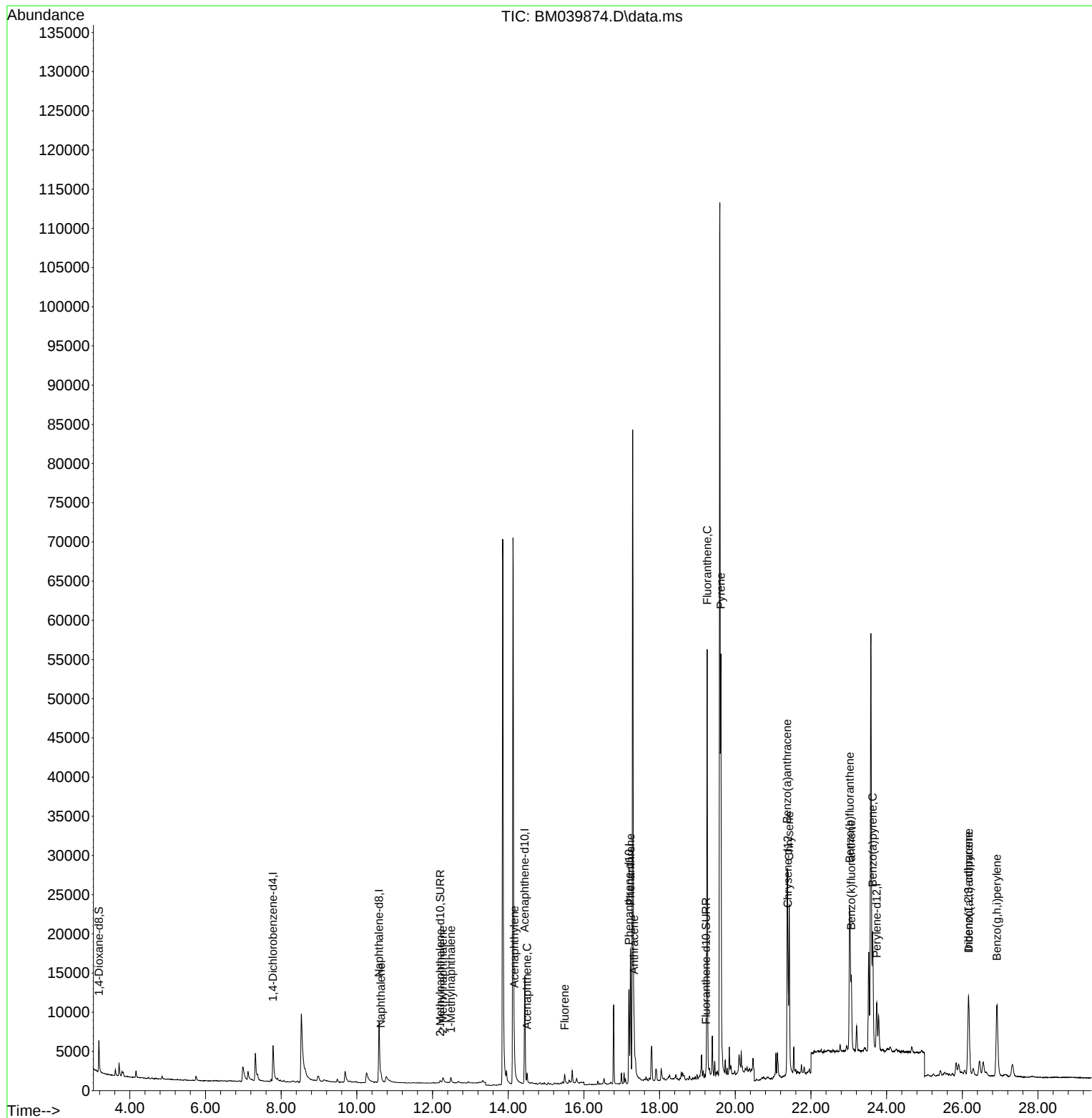
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050823\
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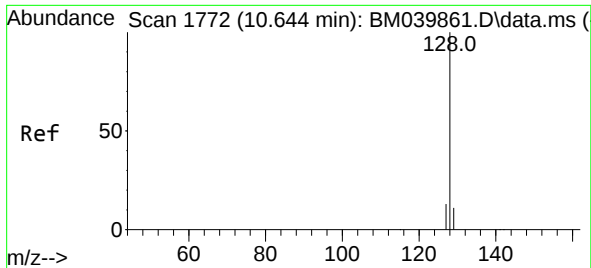
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Quant Time: May 09 01:52:45 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
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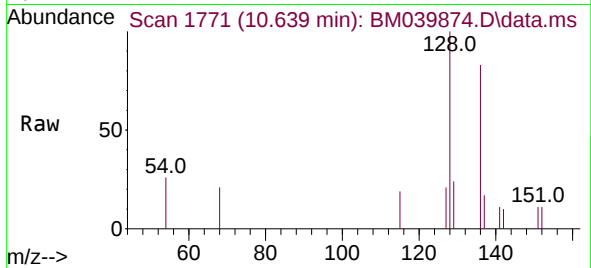
Reviewed By : Christian Giraldo 05/09/2023
Supervised By : Jagrut Upadhyay 05/09/2023





#5
Naphthalene
Concen: 0.038 ng/ul
RT: 10.639 min Scan# 1771
Delta R.T. -0.005 min
Lab File: BM039874.D
Acq: 08 May 2023 18:19

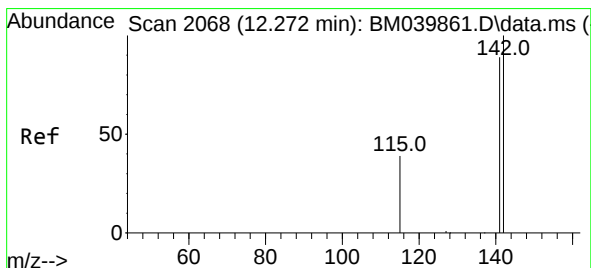
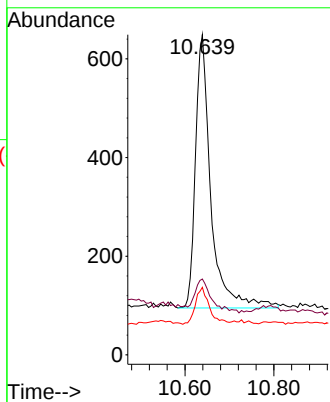
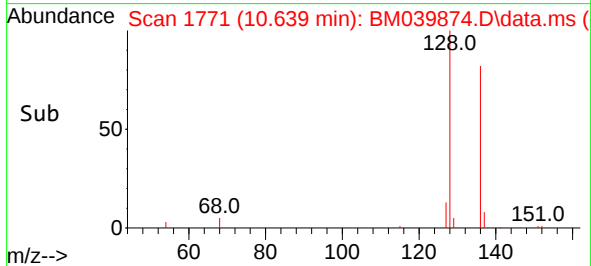
Instrument :
BNA_M
ClientSampleId :
EW973DL



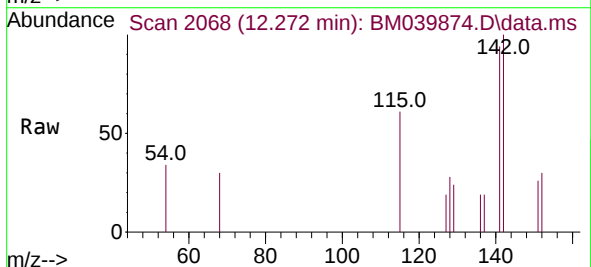
Tgt Ion:128 Resp: 133
Ion Ratio Lower Upper
128 100
129 23.7 9.8 14.6
127 21.1 11.1 16.7

Manual Integrations
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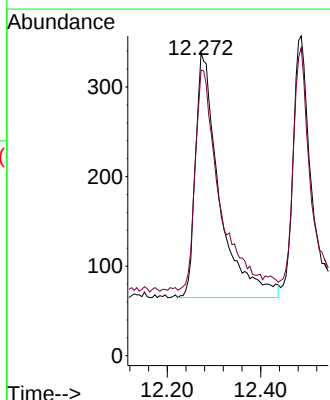
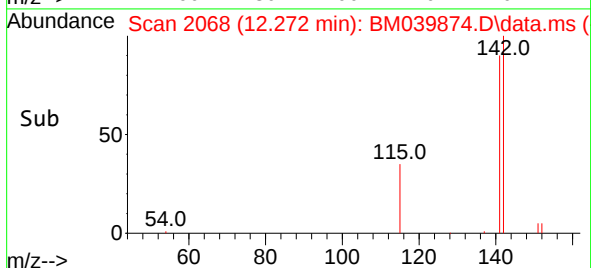
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

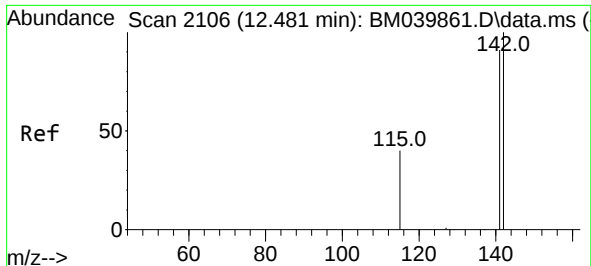


#7
2-Methylnaphthalene
Concen: 0.047 ng/ul
RT: 12.272 min Scan# 2068
Delta R.T. 0.000 min
Lab File: BM039874.D
Acq: 08 May 2023 18:19



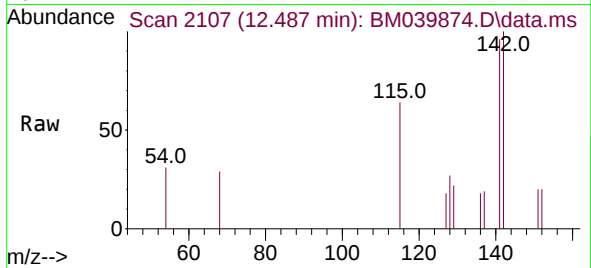
Tgt Ion:142 Resp: 967
Ion Ratio Lower Upper
142 100
141 93.8 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.031 ng/ul
RT: 12.487 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BM039874.D
Acq: 08 May 2023 18:19

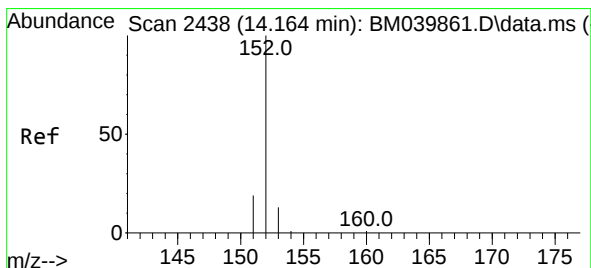
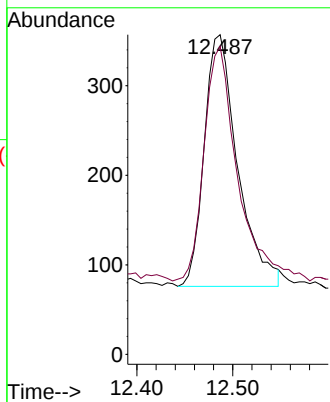
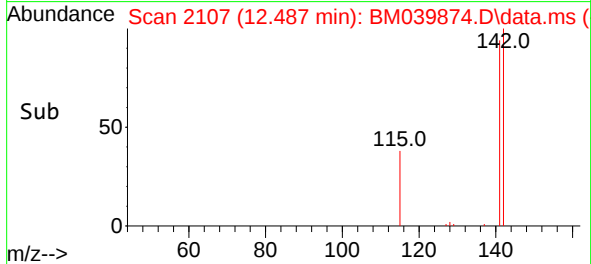
Instrument :
BNA_M
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Tgt Ion:142 Resp: 680
Ion Ratio Lower Upper
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141 91.3 73.4 110.2

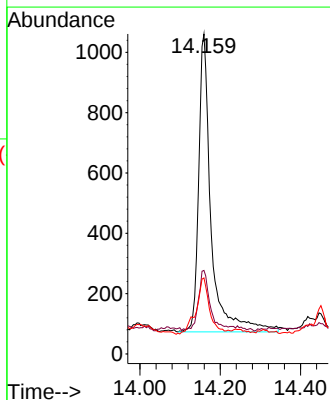
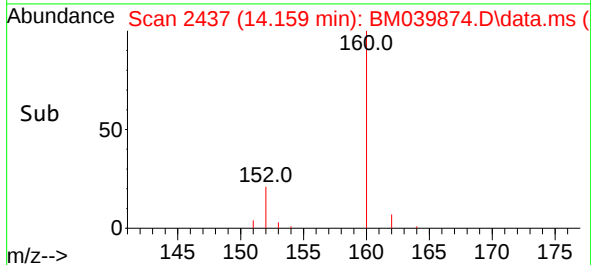
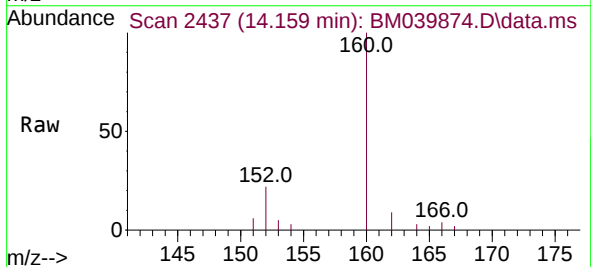
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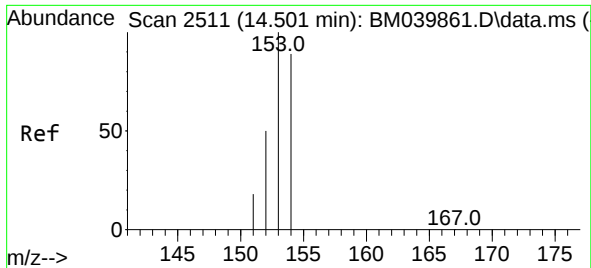
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#10
Acenaphthylene
Concen: 0.069 ng/ul
RT: 14.159 min Scan# 2437
Delta R.T. -0.004 min
Lab File: BM039874.D
Acq: 08 May 2023 18:19

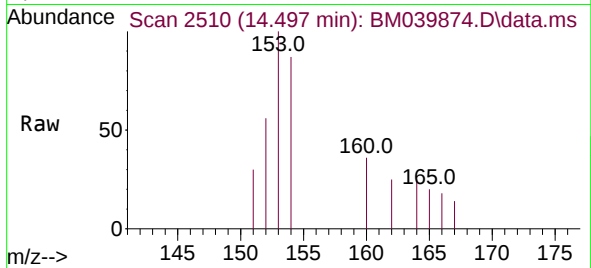
Tgt Ion:152 Resp: 2132
Ion Ratio Lower Upper
152 100
151 26.1 16.0 24.0#
153 23.8 11.2 16.8#





#11
Acenaphthene
Concen: 0.029 ng/ul
RT: 14.497 min Scan# 2510
Delta R.T. -0.005 min
Lab File: BM039874.D
Acq: 08 May 2023 18:19

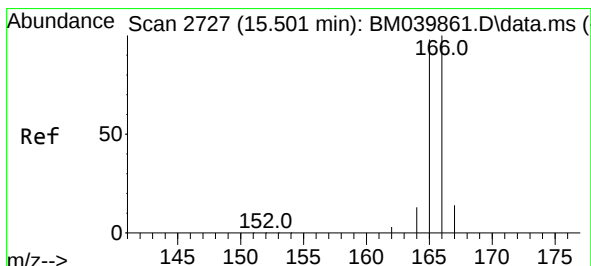
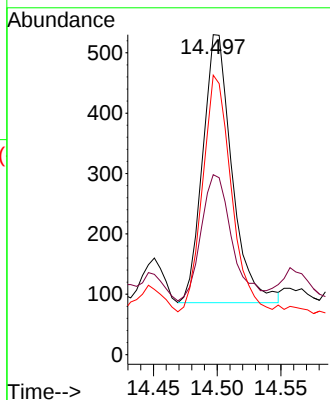
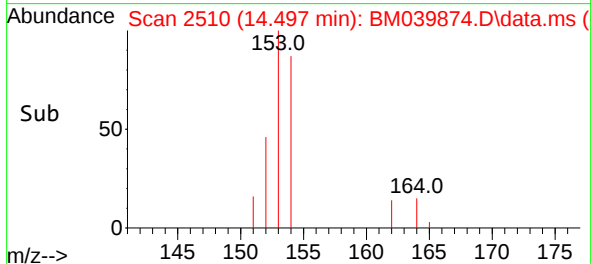
Instrument :
BNA_M
ClientSampleId :
EW973DL



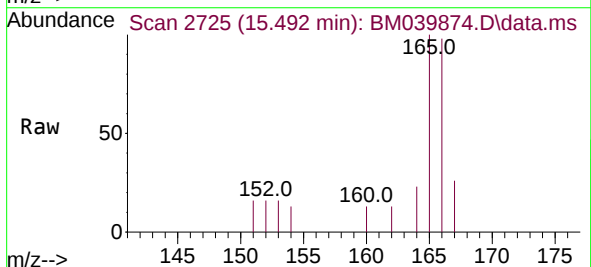
Tgt Ion:153 Resp: 711
Ion Ratio Lower Upper
153 100
152 56.2 40.6 61.0
154 87.4 71.9 107.9

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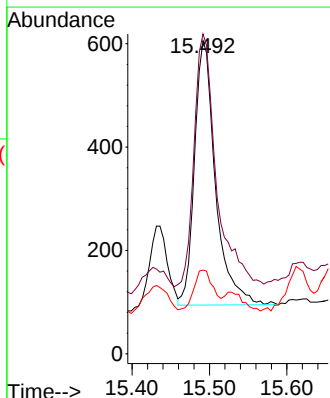
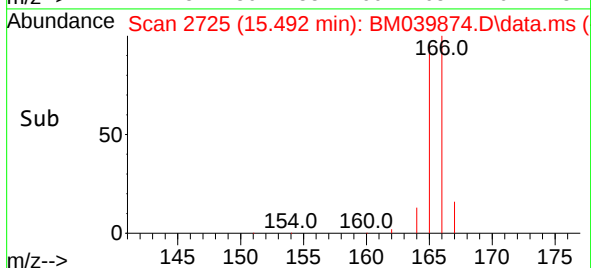
Reviewed By :Christian Giraldo 05/09/2023
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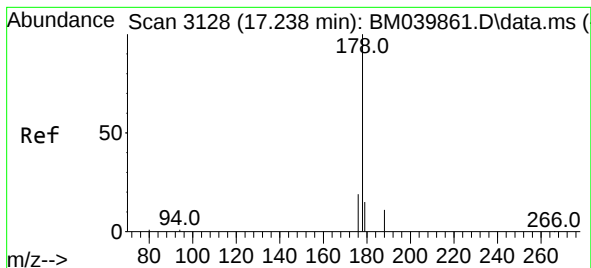


#12
Fluorene
Concen: 0.036 ng/ul
RT: 15.492 min Scan# 2725
Delta R.T. -0.009 min
Lab File: BM039874.D
Acq: 08 May 2023 18:19



Tgt Ion:166 Resp: 961
Ion Ratio Lower Upper
166 100
165 102.1 79.0 118.6
167 26.7 11.8 17.6#





#15

Phenanthrene

Concen: 0.490 ng/ul

RT: 17.234 min Scan# 3128

Delta R.T. -0.004 min

Lab File: BM039874.D

Acq: 08 May 2023 18:19

Instrument :

BNA_M

ClientSampleId :

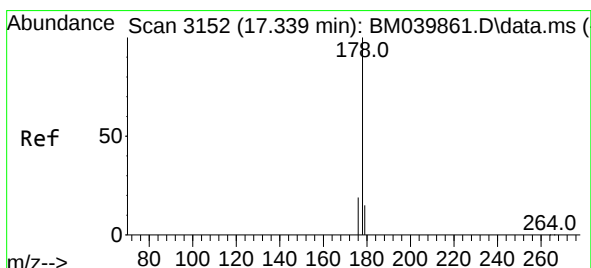
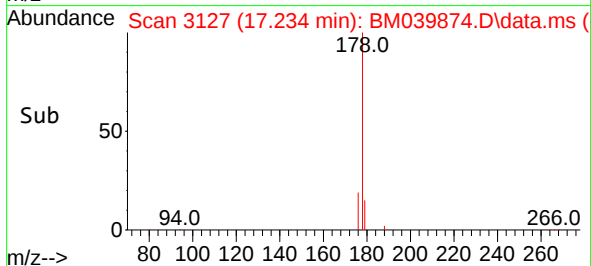
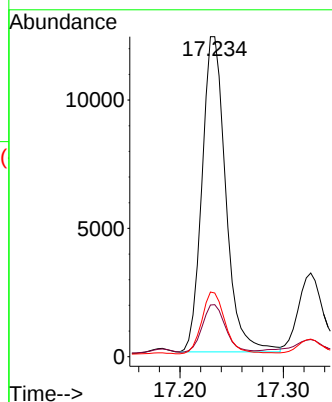
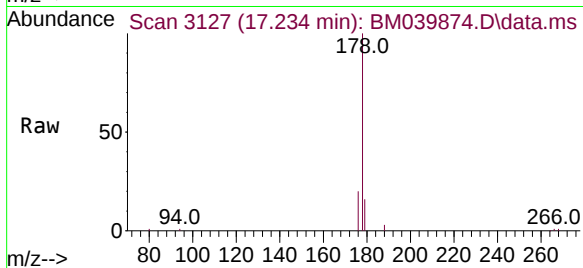
EW973DL

Tgt Ion:178	Resp:	19660
Ion Ratio	Lower	Upper
178	100	
179	16.2	13.0 19.6
176	19.9	15.8 23.8

Manual Integrations

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Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#16

Anthracene

Concen: 0.158 ng/ul

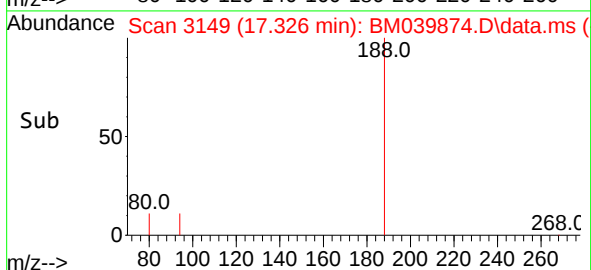
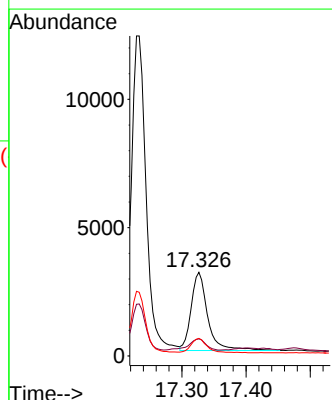
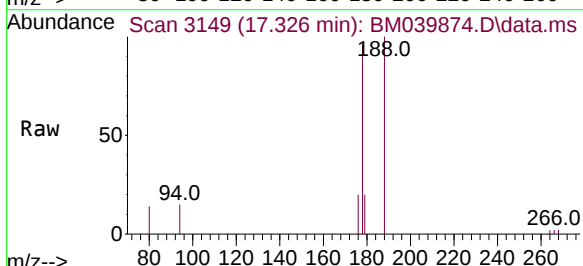
RT: 17.326 min Scan# 3149

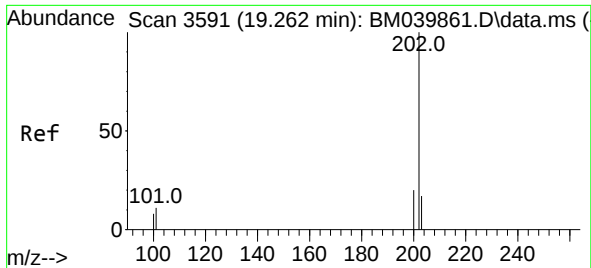
Delta R.T. -0.013 min

Lab File: BM039874.D

Acq: 08 May 2023 18:19

Tgt Ion:178	Resp:	5444
Ion Ratio	Lower	Upper
178	100	
179	20.6	13.8 20.6
176	21.1	15.8 23.8





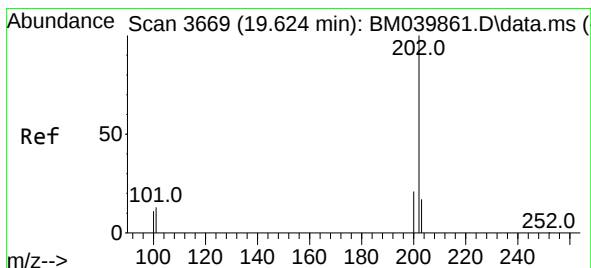
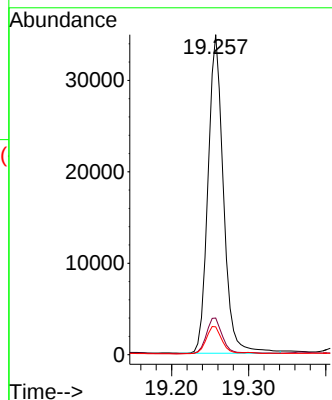
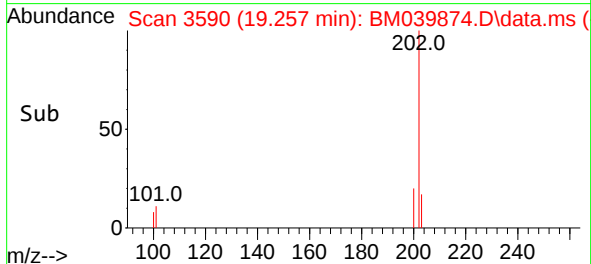
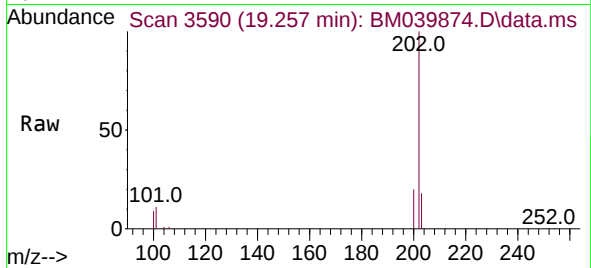
#19
Fluoranthene
Concen: 1.582 ng/ul
RT: 19.257 min Scan# 3590
Delta R.T. -0.005 min
Lab File: BM039874.D
Acq: 08 May 2023 18:19

Instrument :
BNA_M
ClientSampleId :
EW973DL

Tgt Ion:202 Resp: 4852
Ion Ratio Lower Upper
202 100
101 11.5 9.8 14.8
100 8.7 7.3 10.9

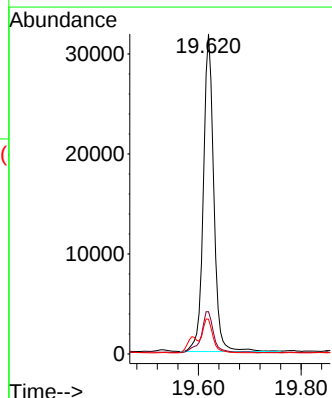
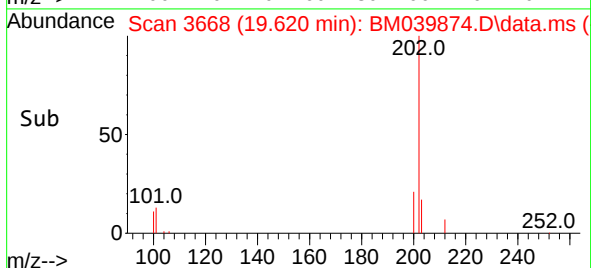
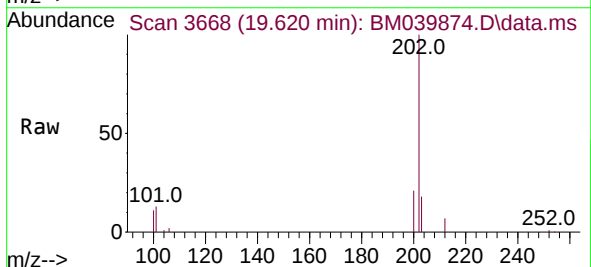
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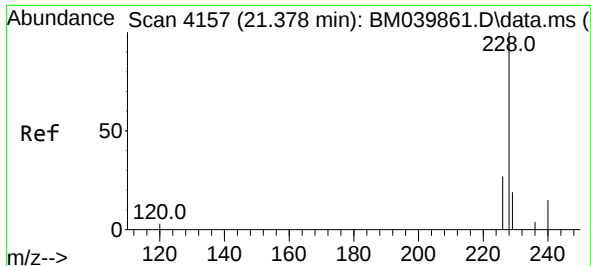
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#20
Pyrene
Concen: 1.349 ng/ul
RT: 19.620 min Scan# 3668
Delta R.T. -0.005 min
Lab File: BM039874.D
Acq: 08 May 2023 18:19

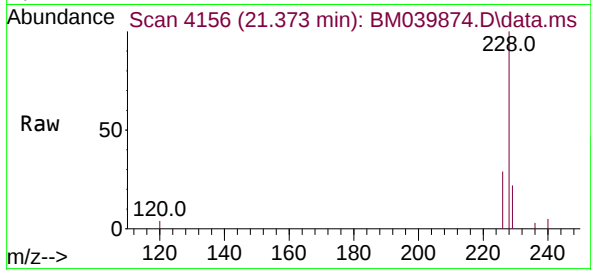
Tgt Ion:202 Resp: 44696
Ion Ratio Lower Upper
202 100
101 13.2 10.9 16.3
100 10.9 8.9 13.3





#21
Benzo(a)anthracene
Concen: 0.918 ng/ul m
RT: 21.373 min Scan# 4157
Delta R.T. -0.005 min
Lab File: BM039874.D
Acq: 08 May 2023 18:19

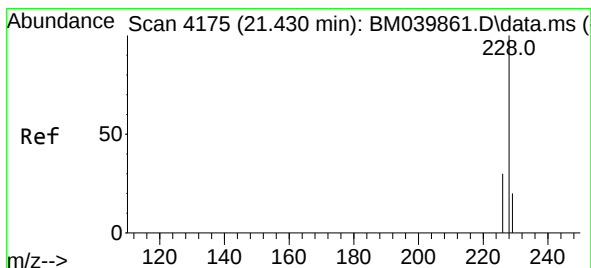
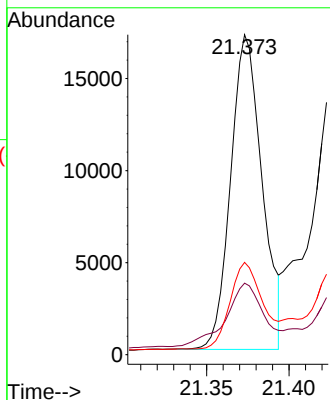
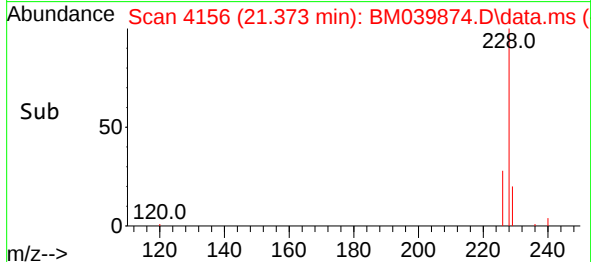
Instrument :
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Tgt Ion:228 Resp: 22699
Ion Ratio Lower Upper
228 100
229 22.4 16.2 24.2
226 28.9 21.6 32.4

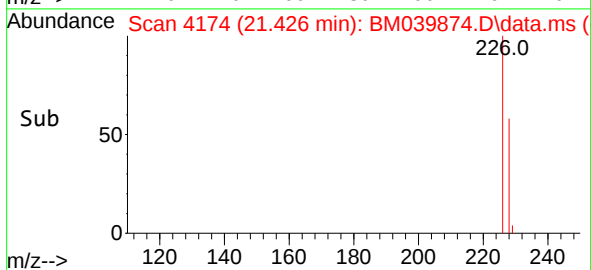
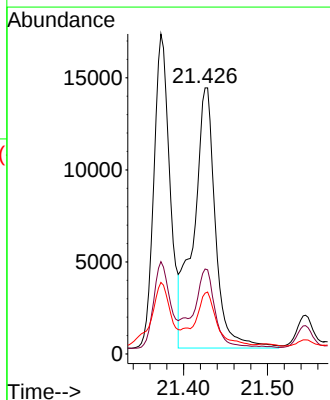
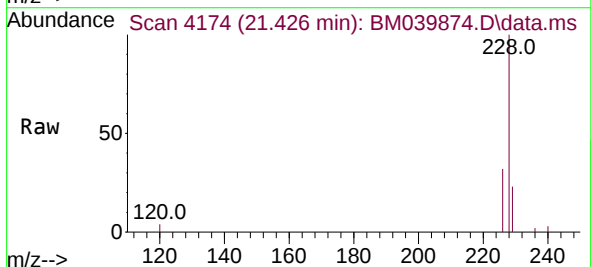
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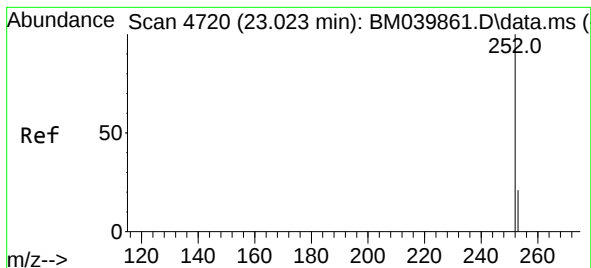
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#22
Chrysene
Concen: 0.916 ng/ul m
RT: 21.426 min Scan# 4174
Delta R.T. -0.005 min
Lab File: BM039874.D
Acq: 08 May 2023 18:19

Tgt Ion:228 Resp: 25622
Ion Ratio Lower Upper
228 100
226 31.9 24.3 36.5
229 22.9 15.9 23.9





#24

Benzo(b)fluoranthene

Concen: 1.150 ng/ul

RT: 23.024 min Scan# 41

Delta R.T. 0.001 min

Lab File: BM039874.D

Acq: 08 May 2023 18:19

Instrument :

BNA_M

ClientSampleId :

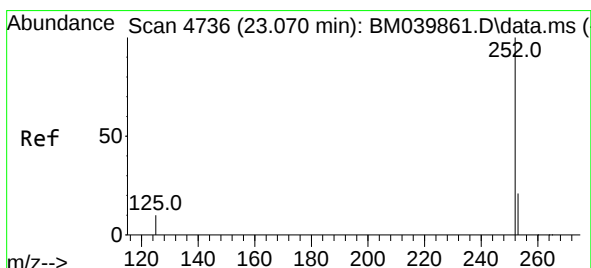
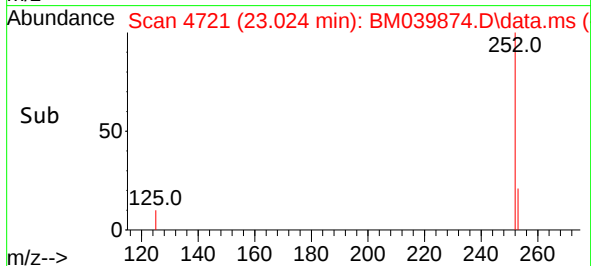
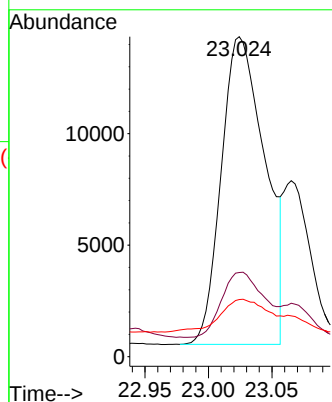
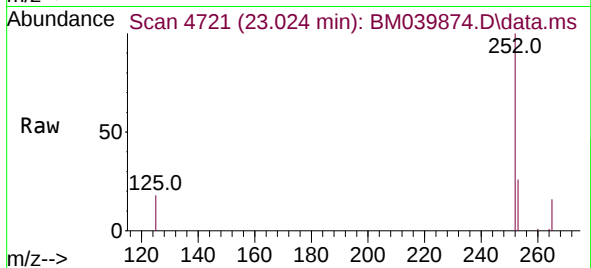
EW973DL

Tgt Ion:252	Resp:	33029
Ion Ratio	Lower	Upper
252	100	
253	26.3	0.0 52.8
125	17.9	0.0 31.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/09/2023



#25

Benzo(k)fluoranthene

Concen: 0.388 ng/ul m

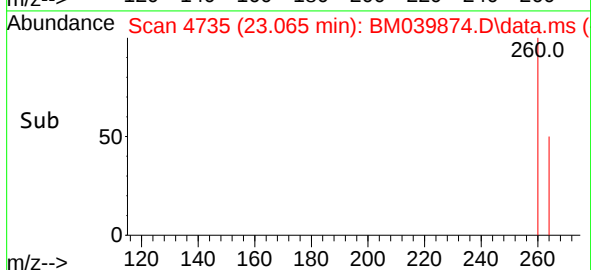
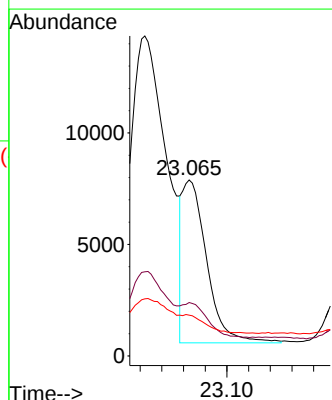
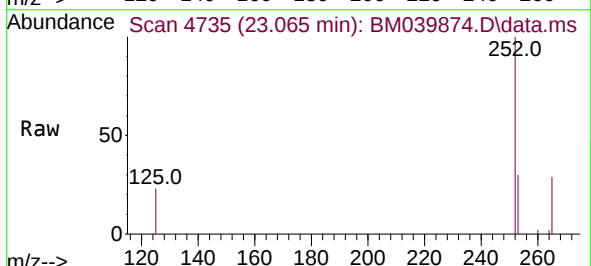
RT: 23.065 min Scan# 4735

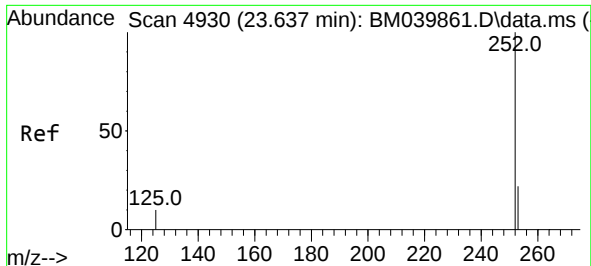
Delta R.T. -0.005 min

Lab File: BM039874.D

Acq: 08 May 2023 18:19

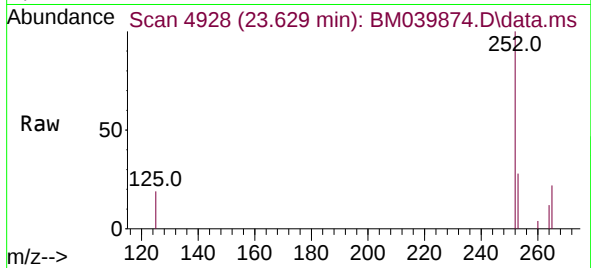
Tgt Ion:252	Resp:	11353
Ion Ratio	Lower	Upper
252	100	
253	30.4	21.3 31.9
125	23.2	13.0 19.6





#26
Benzo(a)pyrene
Concen: 0.825 ng/ul
RT: 23.629 min Scan# 4930
Delta R.T. -0.007 min
Lab File: BM039874.D
Acq: 08 May 2023 18:19

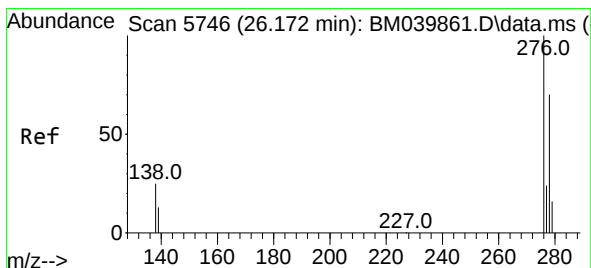
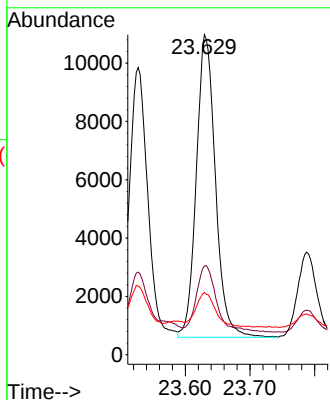
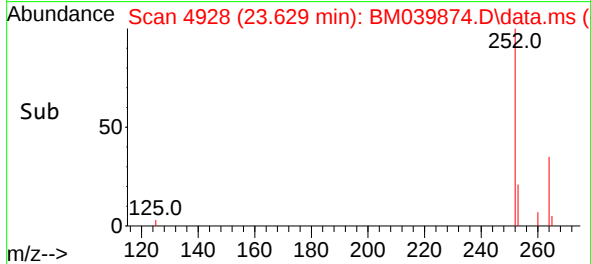
Instrument :
BNA_M
ClientSampleId :
EW973DL



Tgt Ion:252 Resp: 21285
Ion Ratio Lower Upper
252 100
253 27.7 24.7 37.1
125 19.5 16.5 24.7

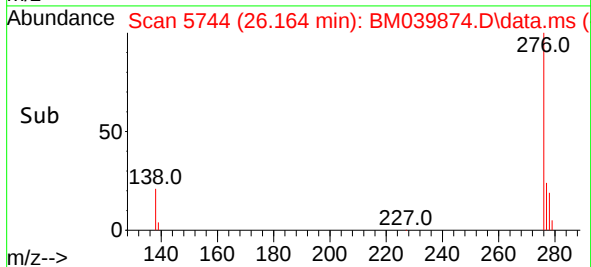
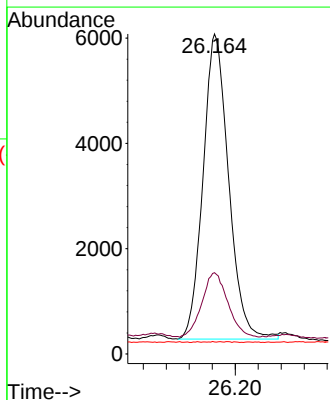
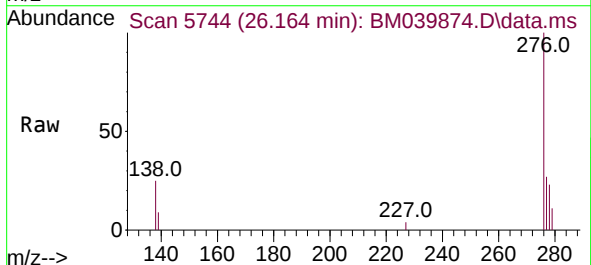
Manual Integrations
APPROVED

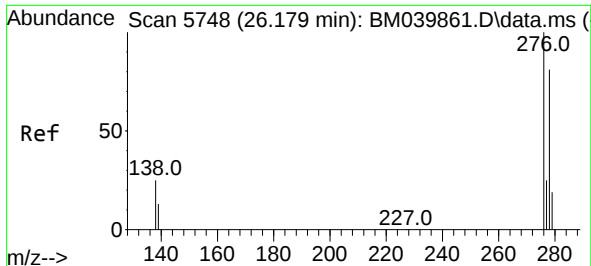
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.549 ng/ul
RT: 26.164 min Scan# 5744
Delta R.T. -0.008 min
Lab File: BM039874.D
Acq: 08 May 2023 18:19

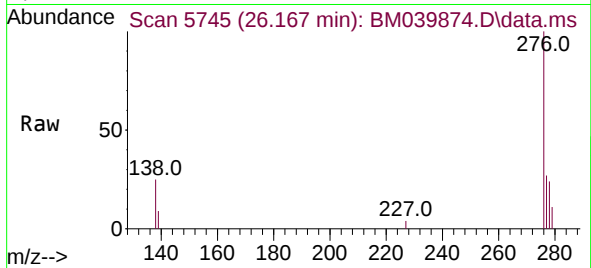
Tgt Ion:276 Resp: 17905
Ion Ratio Lower Upper
276 100
138 21.5 21.1 31.7
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.178 ng/ul
RT: 26.167 min Scan# 5745
Delta R.T. -0.012 min
Lab File: BM039874.D
Acq: 08 May 2023 18:19

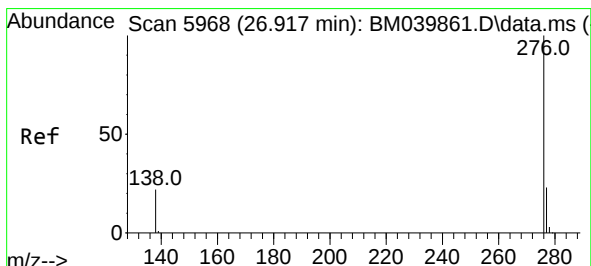
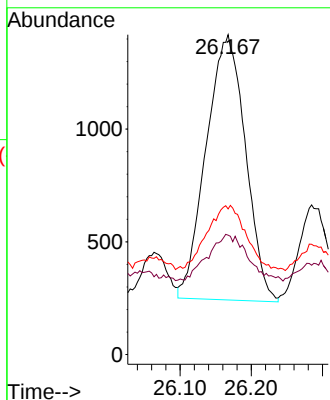
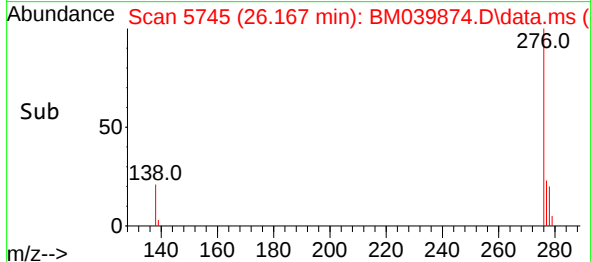
Instrument :
BNA_M
ClientSampleId :
EW973DL



Tgt Ion:278 Resp: 450
Ion Ratio Lower Upper
278 100
139 37.4 17.0 25.6
279 45.5 23.4 35.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#29
Benzo(g,h,i)perylene
Concen: 0.711 ng/ul
RT: 26.915 min Scan# 5968
Delta R.T. -0.002 min
Lab File: BM039874.D
Acq: 08 May 2023 18:19

Tgt Ion:276 Resp: 20213
Ion Ratio Lower Upper
276 100
138 25.6 20.1 30.1
277 26.2 20.1 30.1

