

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050823\
 Data File : BM039871.D
 Acq On : 08 May 2023 15:52
 Operator : CG/JU
 Sample : 02479-09DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW950DL

Manual Integrations
 APPROVED

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

Quant Time: May 09 01:52:12 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	7.787	152	3843	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.589	136	13565	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.437	164	7047	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.191	188	12341	0.400	ng/ul	0.00
17) Chrysene-d12	21.392	240	8144	0.400	ng/ul	# 0.00
23) Perylene-d12	23.739	264	8136	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.184	96	2294	0.405	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.206	152	626	0.036	ng/ul	0.00
18) Fluoranthene-d10	19.229	212	1094	0.050	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.639	128	1272	0.037	ng/ul#	74
7) 2-Methylnaphthalene	12.294	142	636	0.032	ng/ul	99
8) 1-Methylnaphthalene	12.487	142	566	0.027	ng/ul	100
10) Acenaphthylene	14.159	152	1138	0.042	ng/ul#	75
11) Acenaphthene	14.501	153	1610	0.075	ng/ul	96
12) Fluorene	15.496	166	1792	0.075	ng/ul#	96
15) Phenanthrene	17.233	178	26040	0.801	ng/ul	99
16) Anthracene	17.326	178	5712	0.205	ng/ul#	93
19) Fluoranthene	19.257	202	36397	1.253	ng/ul	99
20) Pyrene	19.620	202	31454	1.002	ng/ul	99
21) Benzo(a)anthracene	21.378	228	12559m	0.536	ng/ul	
22) Chrysene	21.430	228	14252m	0.538	ng/ul	
24) Benzo(b)fluoranthene	23.029	252	17493	0.612	ng/ul	86
25) Benzo(k)fluoranthene	23.070	252	6298m	0.216	ng/ul	
26) Benzo(a)pyrene	23.634	252	11841	0.462	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.172	276	9285	0.286	ng/ul#	89
28) Dibenzo(a,h)anthracene	26.176	278	2131	0.085	ng/ul#	17
29) Benzo(g,h,i)perylene	26.920	276	9550	0.338	ng/ul#	88

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

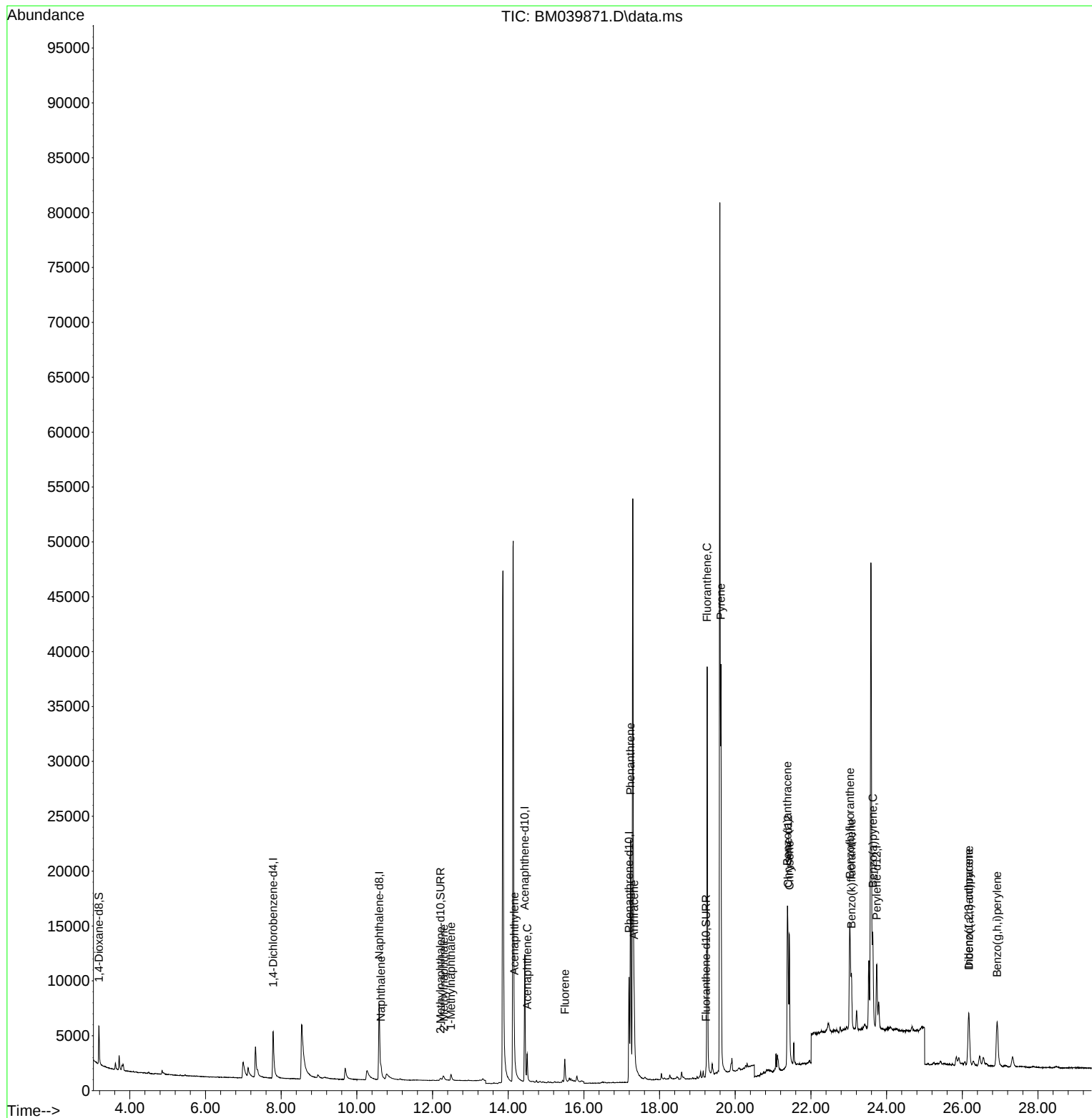
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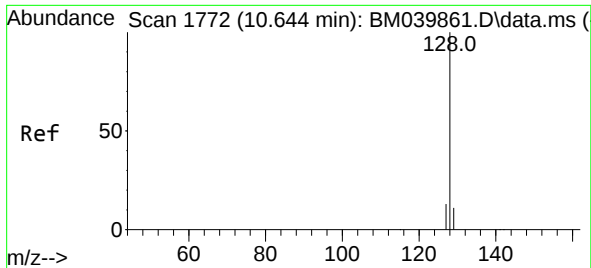
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Quant Time: May 09 01:52:12 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
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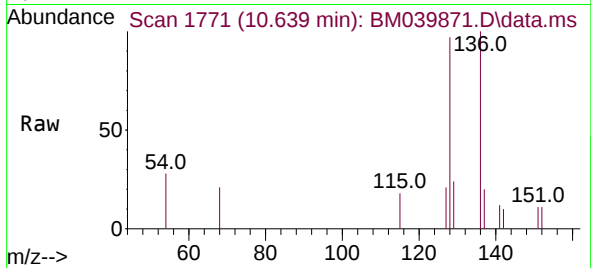
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023





#5
Naphthalene
Concen: 0.037 ng/ul
RT: 10.639 min Scan# 1772
Delta R.T. -0.005 min
Lab File: BM039871.D
Acq: 08 May 2023 15:52

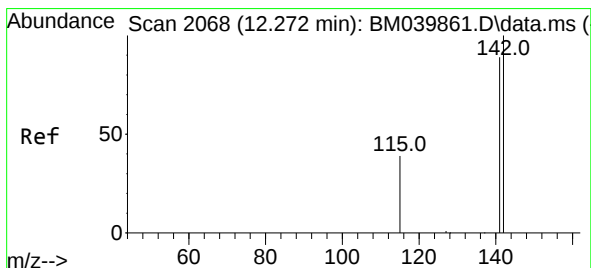
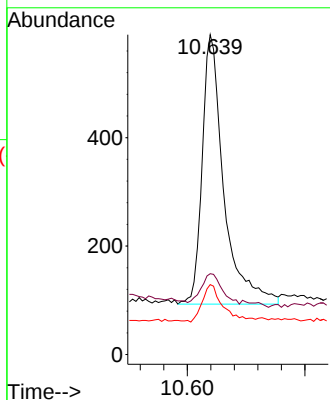
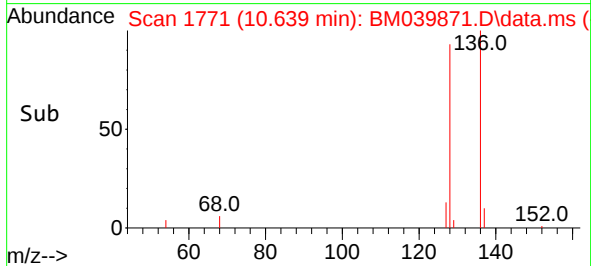
Instrument :
BNA_M
ClientSampleId :
EW950DL



Tgt Ion:128 Resp: 1272
Ion Ratio Lower Upper
128 100
129 25.3 9.8 14.6
127 21.9 11.1 16.7

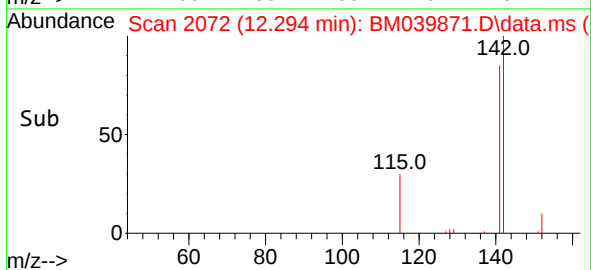
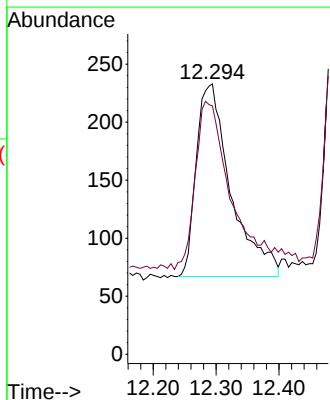
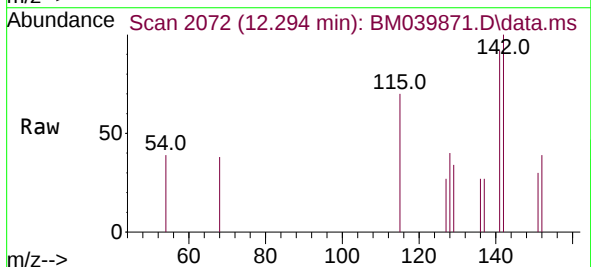
Manual Integrations
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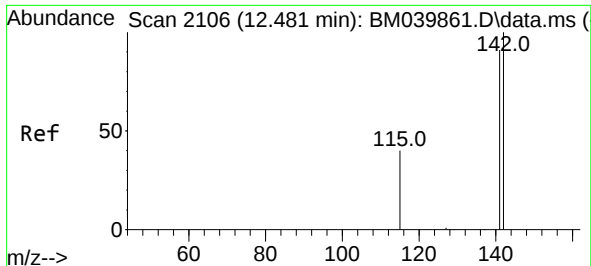
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#7
2-Methylnaphthalene
Concen: 0.032 ng/ul
RT: 12.294 min Scan# 2072
Delta R.T. 0.022 min
Lab File: BM039871.D
Acq: 08 May 2023 15:52

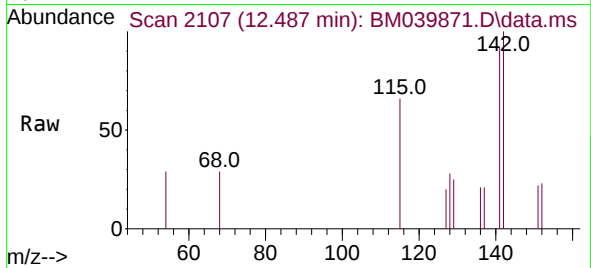
Tgt Ion:142 Resp: 636
Ion Ratio Lower Upper
142 100
141 92.3 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.027 ng/ul
RT: 12.487 min Scan# 2106
Delta R.T. 0.005 min
Lab File: BM039871.D
Acq: 08 May 2023 15:52

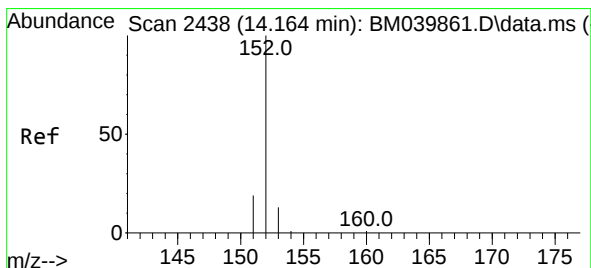
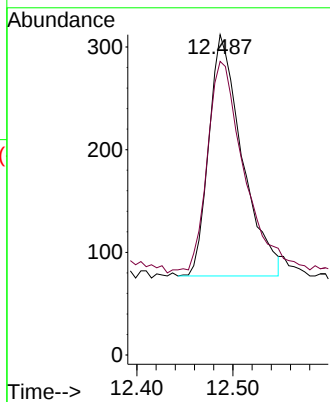
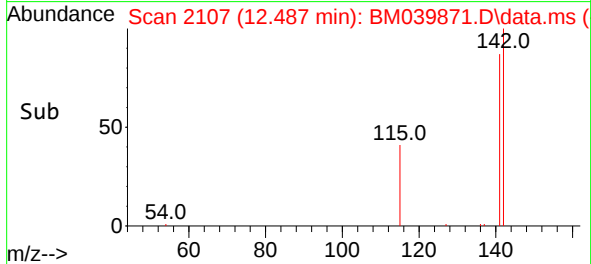
Instrument :
BNA_M
ClientSampleId :
EW950DL



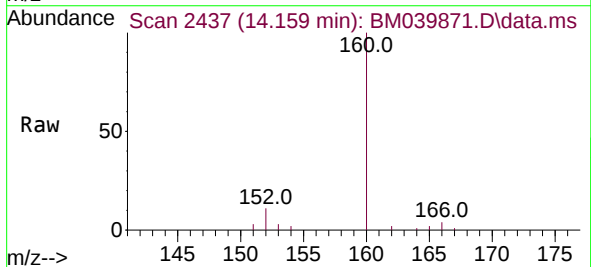
Tgt Ion:142 Resp: 560
Ion Ratio Lower Upper
142 100
141 92.0 73.4 110.2

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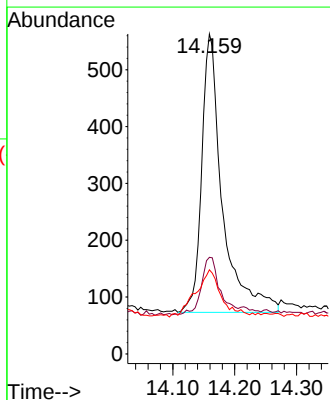
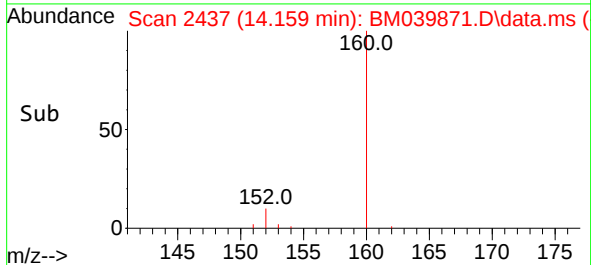
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

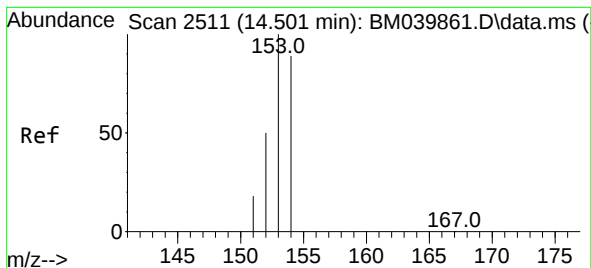


#10
Acenaphthylene
Concen: 0.042 ng/ul
RT: 14.159 min Scan# 2437
Delta R.T. -0.005 min
Lab File: BM039871.D
Acq: 08 May 2023 15:52



Tgt Ion:152 Resp: 1138
Ion Ratio Lower Upper
152 100
151 30.2 16.0 24.0#
153 26.3 11.2 16.8#





#11

Acenaphthene

Concen: 0.075 ng/ul

RT: 14.501 min Scan# 2511

Delta R.T. 0.000 min

Lab File: BM039871.D

Acq: 08 May 2023 15:52

Instrument :

BNA_M

ClientSampleId :

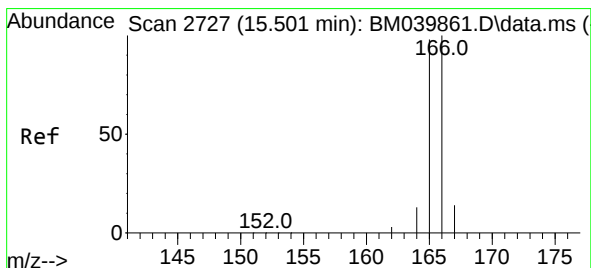
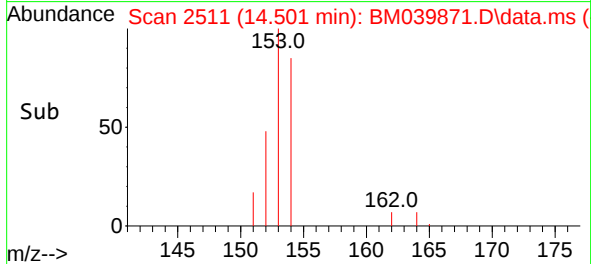
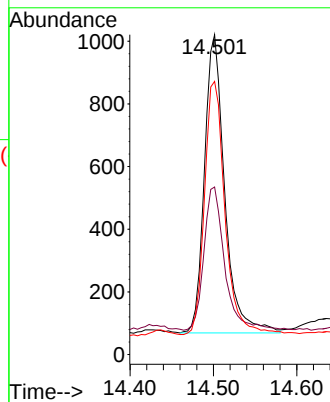
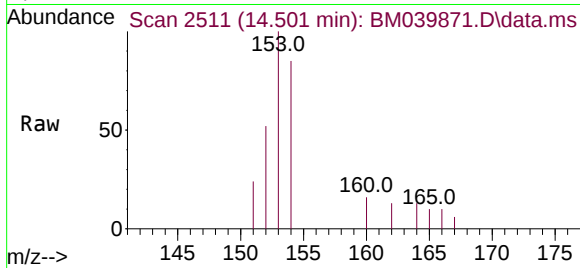
EW950DL

Tgt Ion:	153	Resp:	1610
Ion	Ratio	Lower	Upper
153	100		
152	52.4	40.6	61.0
154	85.4	71.9	107.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/09/2023



#12

Fluorene

Concen: 0.075 ng/ul

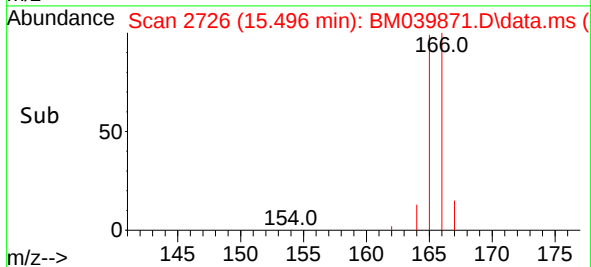
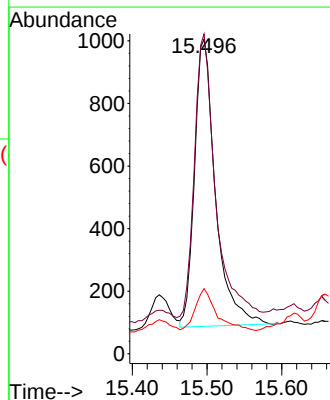
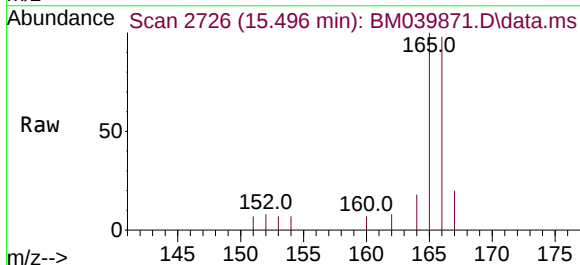
RT: 15.496 min Scan# 2726

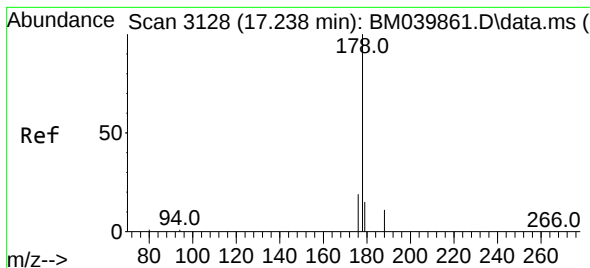
Delta R.T. -0.005 min

Lab File: BM039871.D

Acq: 08 May 2023 15:52

Tgt Ion:	166	Resp:	1792
Ion	Ratio	Lower	Upper
166	100		
165	101.7	79.0	118.6
167	20.7	11.8	17.6





#15

Phenanthrene

Concen: 0.801 ng/ul

RT: 17.233 min Scan# 3127

Delta R.T. -0.004 min

Lab File: BM039871.D

Acq: 08 May 2023 15:52

Instrument :

BNA_M

ClientSampleId :

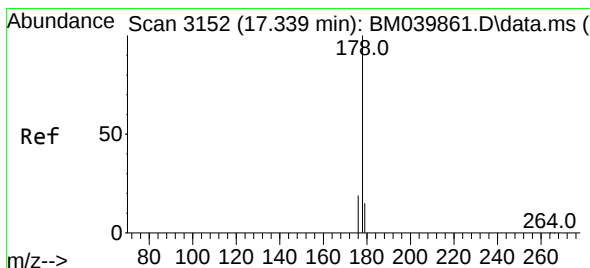
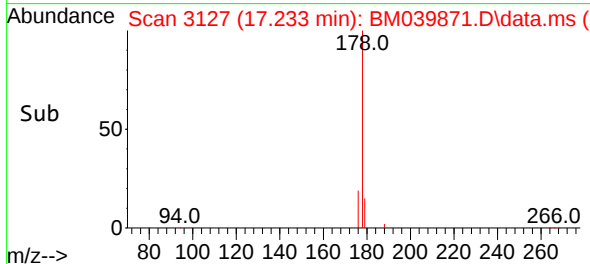
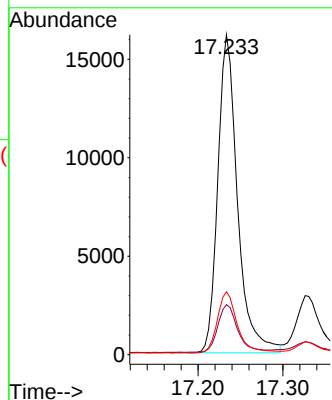
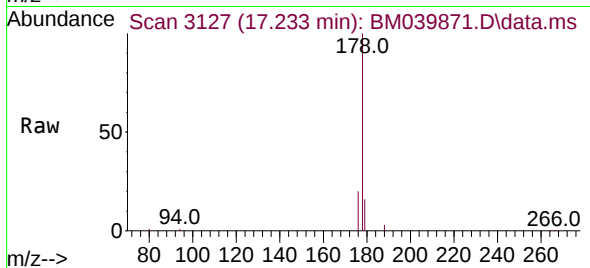
EW950DL

Tgt Ion:178	Resp:	26040
Ion Ratio	Lower	Upper
178	100	
179	15.6	13.0 19.6
176	19.7	15.8 23.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/09/2023



#16

Anthracene

Concen: 0.205 ng/ul

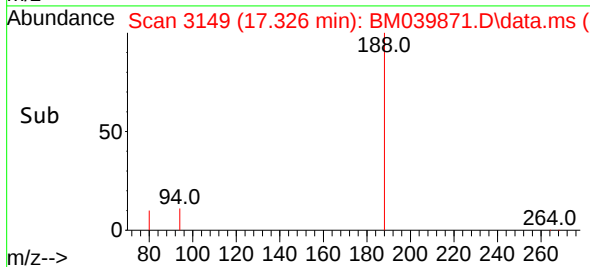
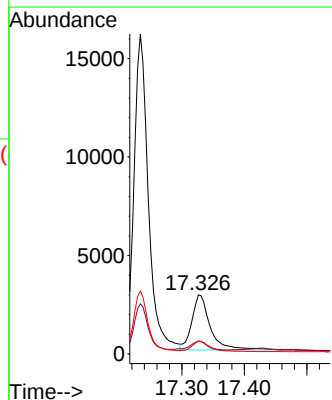
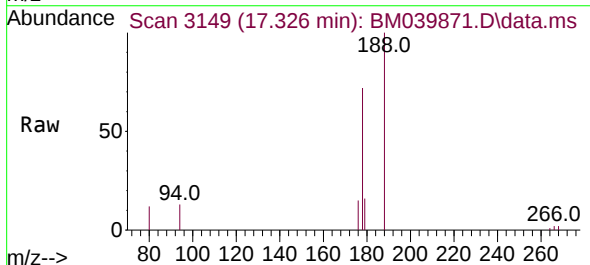
RT: 17.326 min Scan# 3149

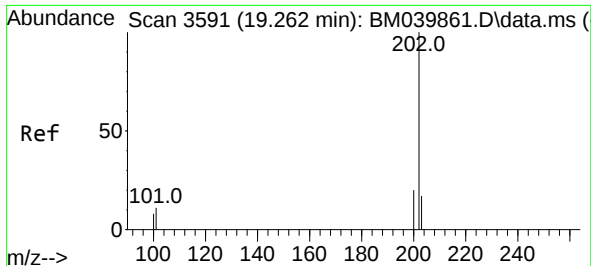
Delta R.T. -0.013 min

Lab File: BM039871.D

Acq: 08 May 2023 15:52

Tgt Ion:178	Resp:	5712
Ion Ratio	Lower	Upper
178	100	
179	21.9	13.8 20.6#
176	21.5	15.8 23.8





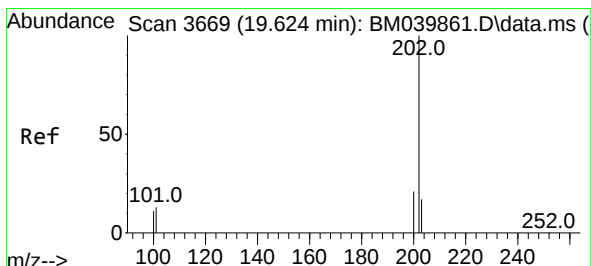
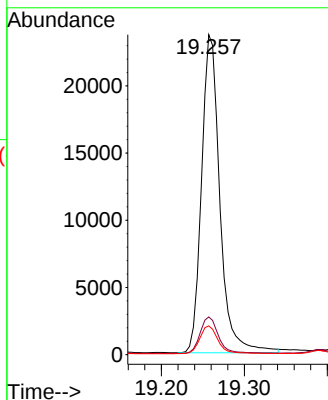
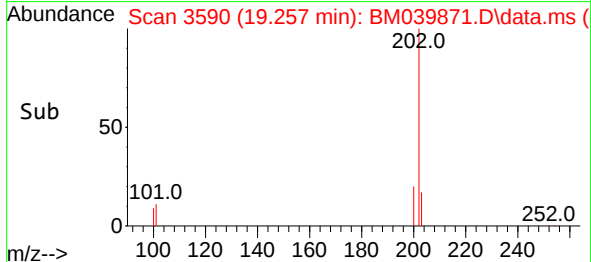
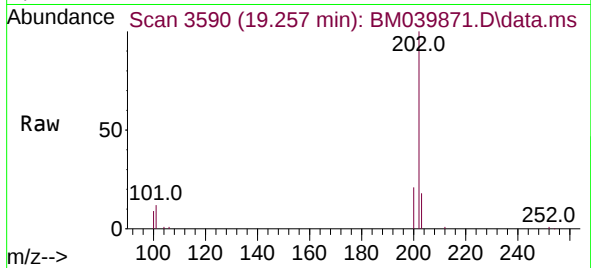
#19
Fluoranthene
Concen: 1.253 ng/ul
RT: 19.257 min Scan# 3590
Delta R.T. -0.005 min
Lab File: BM039871.D
Acq: 08 May 2023 15:52

Instrument :
BNA_M
ClientSampleId :
EW950DL

Tgt Ion:202 Resp: 3639
Ion Ratio Lower Upper
202 100
101 11.8 9.8 14.8
100 9.0 7.3 10.9

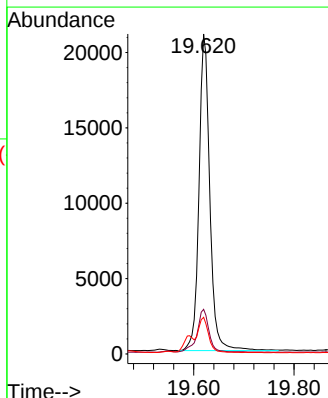
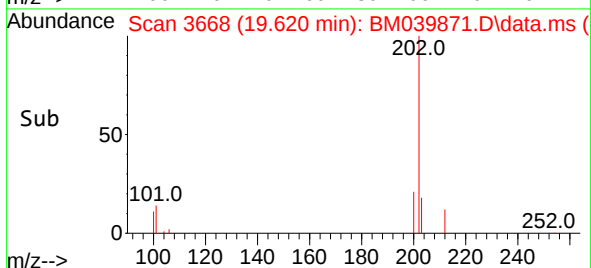
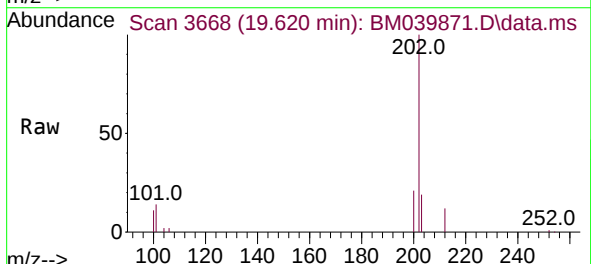
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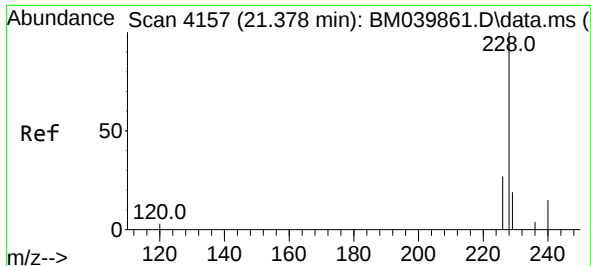
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#20
Pyrene
Concen: 1.002 ng/ul
RT: 19.620 min Scan# 3668
Delta R.T. -0.005 min
Lab File: BM039871.D
Acq: 08 May 2023 15:52

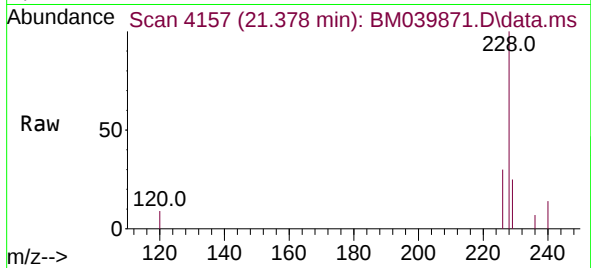
Tgt Ion:202 Resp: 31454
Ion Ratio Lower Upper
202 100
101 13.9 10.9 16.3
100 11.4 8.9 13.3





#21
Benzo(a)anthracene
Concen: 0.536 ng/ul m
RT: 21.378 min Scan# 4157
Delta R.T. 0.000 min
Lab File: BM039871.D
Acq: 08 May 2023 15:52

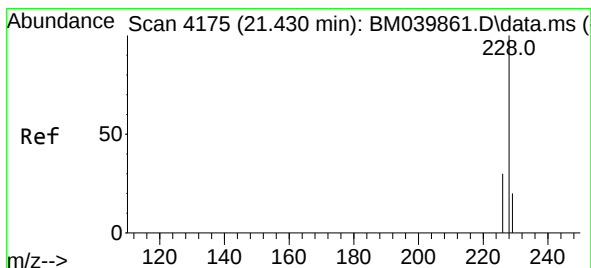
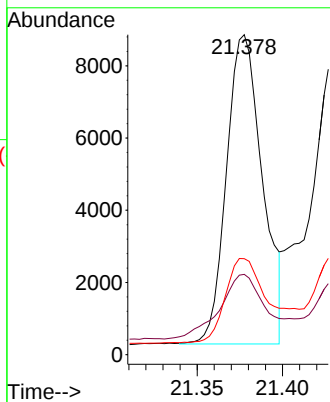
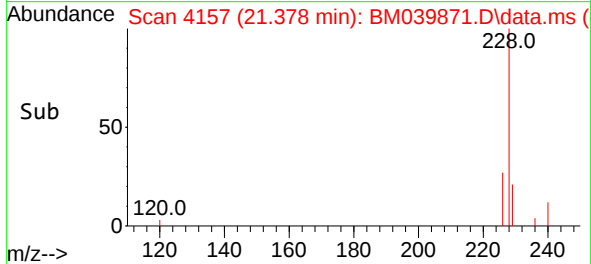
Instrument :
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ClientSampleId :
EW950DL



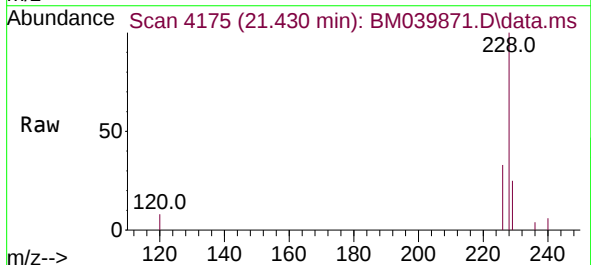
Tgt Ion:228 Resp: 12559
Ion Ratio Lower Upper
228 100
229 25.1 16.2 24.2
226 30.0 21.6 32.4

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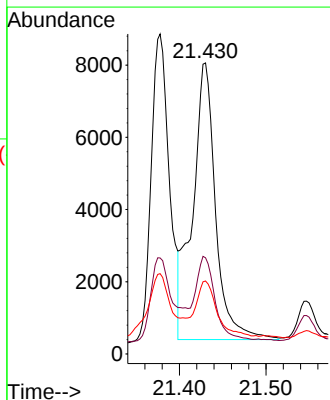
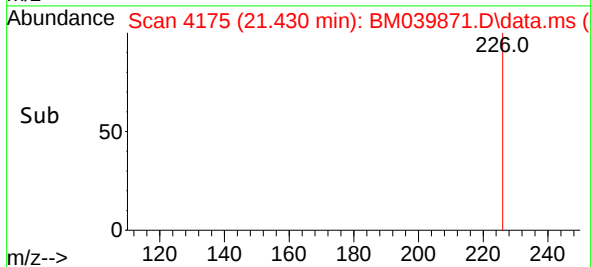
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

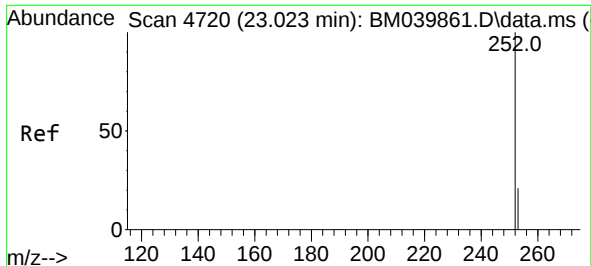


#22
Chrysene
Concen: 0.538 ng/ul m
RT: 21.430 min Scan# 4175
Delta R.T. 0.000 min
Lab File: BM039871.D
Acq: 08 May 2023 15:52



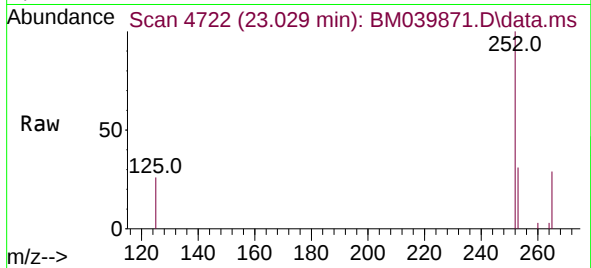
Tgt Ion:228 Resp: 14252
Ion Ratio Lower Upper
228 100
226 33.0 24.3 36.5
229 25.1 15.9 23.9#





#24
Benzo(b)fluoranthene
Concen: 0.612 ng/ul
RT: 23.029 min Scan# 4722
Delta R.T. 0.006 min
Lab File: BM039871.D
Acq: 08 May 2023 15:52

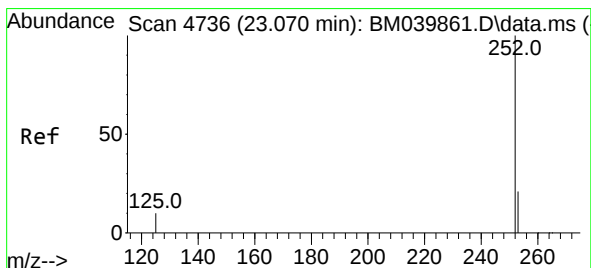
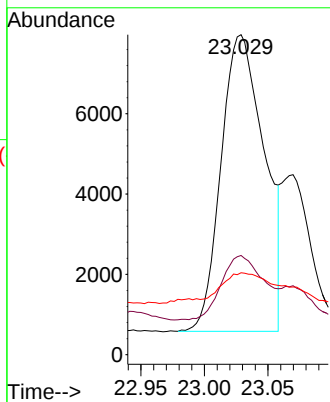
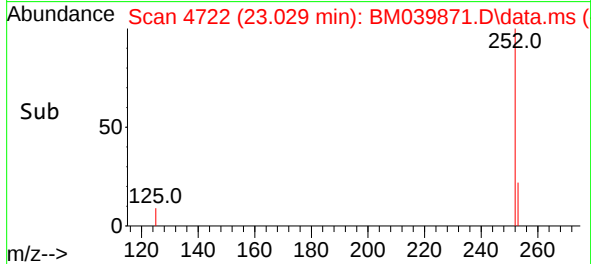
Instrument :
BNA_M
ClientSampleId :
EW950DL



Tgt Ion:252 Resp: 1749
Ion Ratio Lower Upper
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253 31.0 0.0 52.8
125 25.6 0.0 31.6

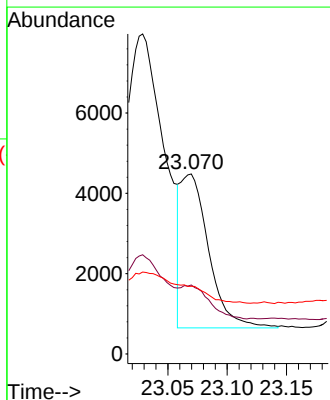
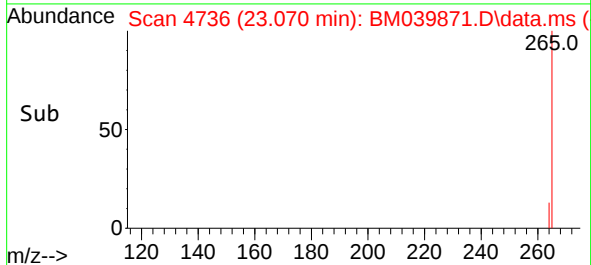
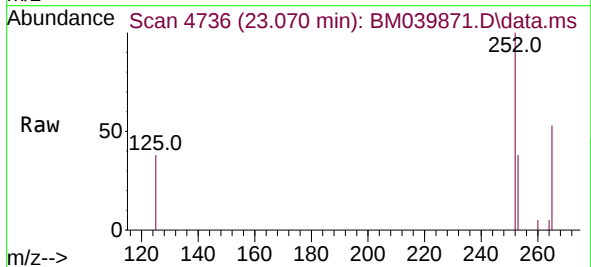
Manual Integrations
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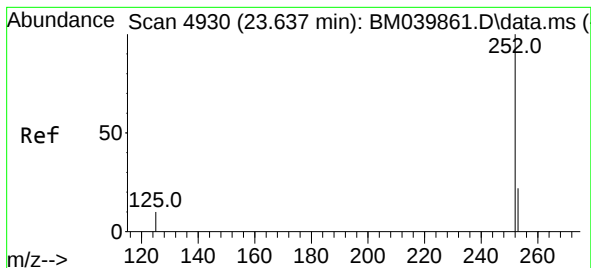
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#25
Benzo(k)fluoranthene
Concen: 0.216 ng/ul m
RT: 23.070 min Scan# 4736
Delta R.T. 0.000 min
Lab File: BM039871.D
Acq: 08 May 2023 15:52

Tgt Ion:252 Resp: 6298
Ion Ratio Lower Upper
252 100
253 38.3 21.3 31.9#
125 37.6 13.0 19.6#





#26

Benzo(a)pyrene

Concen: 0.462 ng/ul

RT: 23.634 min Scan# 4930

Delta R.T. -0.003 min

Lab File: BM039871.D

Acq: 08 May 2023 15:52

Instrument :

BNA_M

ClientSampleId :

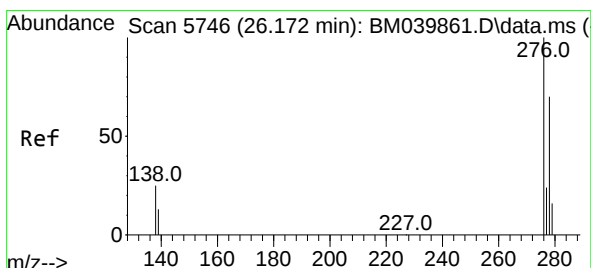
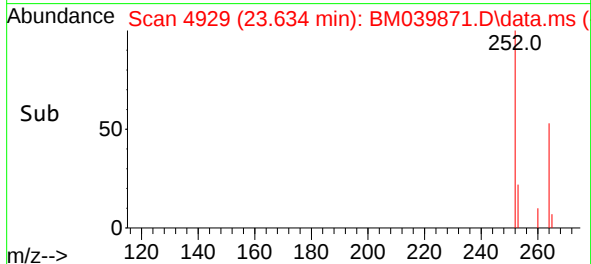
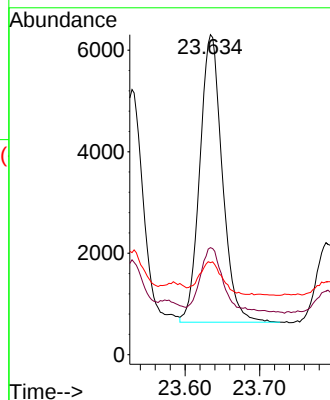
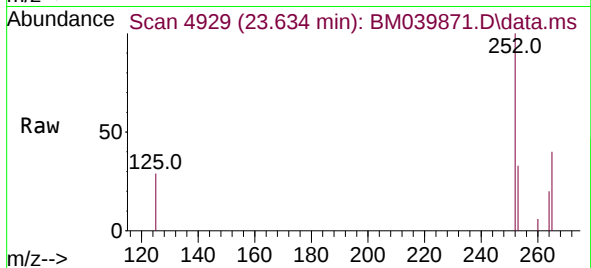
EW950DL

Tgt Ion:	252	Resp:	1184
Ion Ratio	Lower	Upper	
252	100		
253	33.5	24.7	37.1
125	28.7	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: 0.286 ng/ul

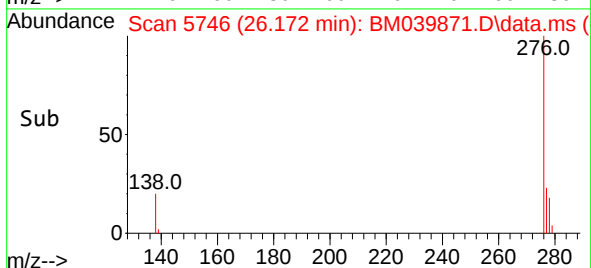
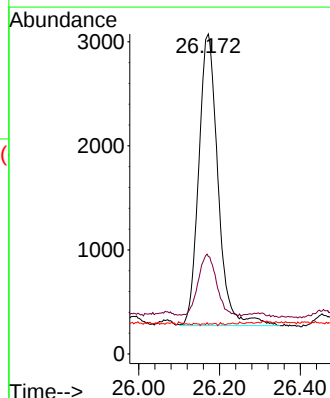
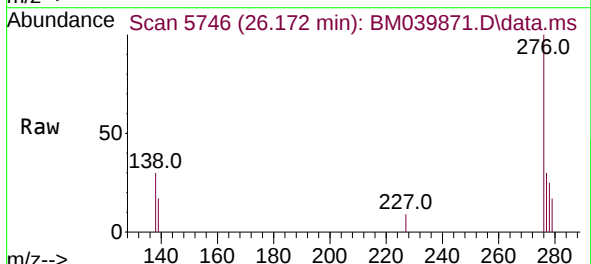
RT: 26.172 min Scan# 5746

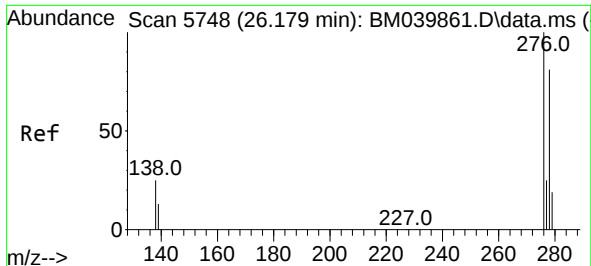
Delta R.T. 0.000 min

Lab File: BM039871.D

Acq: 08 May 2023 15:52

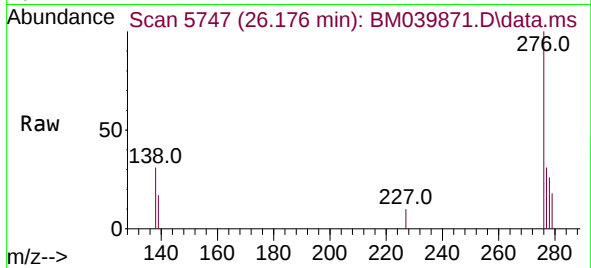
Tgt Ion:	276	Resp:	9285
Ion Ratio	Lower	Upper	
276	100		
138	20.8	21.1	31.7#
227	0.3	0.1	0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.085 ng/ul
RT: 26.176 min Scan# 51
Delta R.T. -0.003 min
Lab File: BM039871.D
Acq: 08 May 2023 15:52

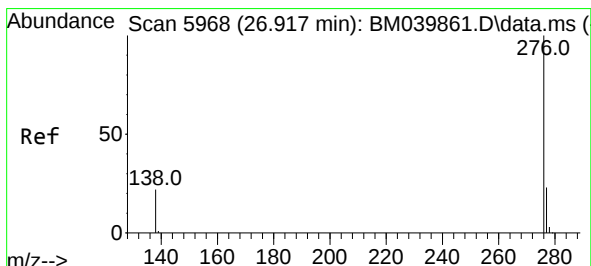
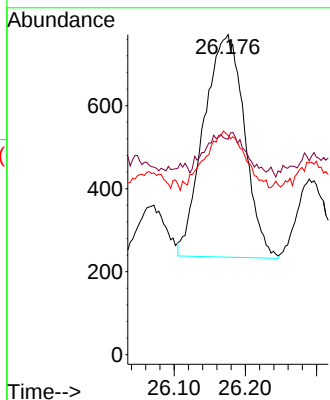
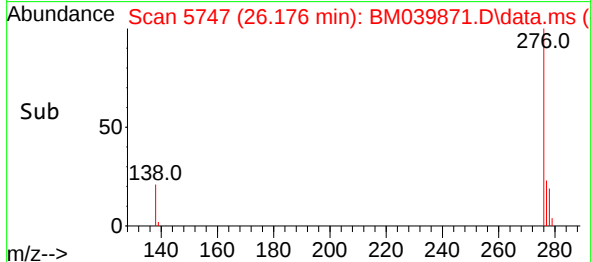
Instrument :
BNA_M
ClientSampleId :
EW950DL



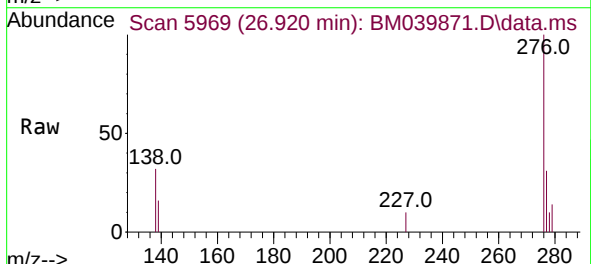
Tgt Ion:278 Resp: 213
Ion Ratio Lower Upper
278 100
139 67.3 17.0 25.6
279 68.5 23.4 35.2

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.338 ng/ul
RT: 26.920 min Scan# 5969
Delta R.T. 0.003 min
Lab File: BM039871.D
Acq: 08 May 2023 15:52



Tgt Ion:276 Resp: 9550
Ion Ratio Lower Upper
276 100
138 31.6 20.1 30.1#
277 30.6 20.1 30.1#

