

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050823\
 Data File : BM039863.D
 Acq On : 08 May 2023 10:59
 Operator : CG/JU
 Sample : 02479-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW944

Manual Integrations
 APPROVED

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

Quant Time: May 09 01:50:46 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	3721	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.579	136	13506	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.432	164	7163	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.187	188	15956	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.388	240	6613	0.400	ng/ul	# 0.00
23) Perylene-d12	23.735	264	7090	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.180	96	12189	2.223	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.184	152	3352	0.193	ng/ul	-0.02
18) Fluoranthene-d10	19.225	212	5522	0.310	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.628	128	6234	0.184	ng/ul	96
7) 2-Methylnaphthalene	12.261	142	3781	0.193	ng/ul	96
8) 1-Methylnaphthalene	12.476	142	2780	0.132	ng/ul	99
10) Acenaphthylene	14.155	152	6034	0.218	ng/ul#	91
11) Acenaphthene	14.497	153	2846	0.131	ng/ul	96
12) Fluorene	15.487	166	3852	0.159	ng/ul#	94
15) Phenanthrene	17.229	178	88993	2.117	ng/ul	99
16) Anthracene	17.322	178	14729	0.408	ng/ul	97
19) Fluoranthene	19.253	202	163234	6.919	ng/ul	99
20) Pyrene	19.620	202	173432	6.807	ng/ul	98
21) Benzo(a)anthracene	21.373	228	77759	4.090	ng/ul#	90
22) Chrysene	21.423	228	106434	4.947	ng/ul#	92
24) Benzo(b)fluoranthene	23.021	252	134288	5.393	ng/ul	98
25) Benzo(k)fluoranthene	23.065	252	43210m	1.704	ng/ul	
26) Benzo(a)pyrene	23.630	252	89779	4.016	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	26.164	276	89557	3.168	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.164	278	24482	1.116	ng/ul#	79
29) Benzo(g,h,i)perylene	26.912	276	96118	3.902	ng/ul	99

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

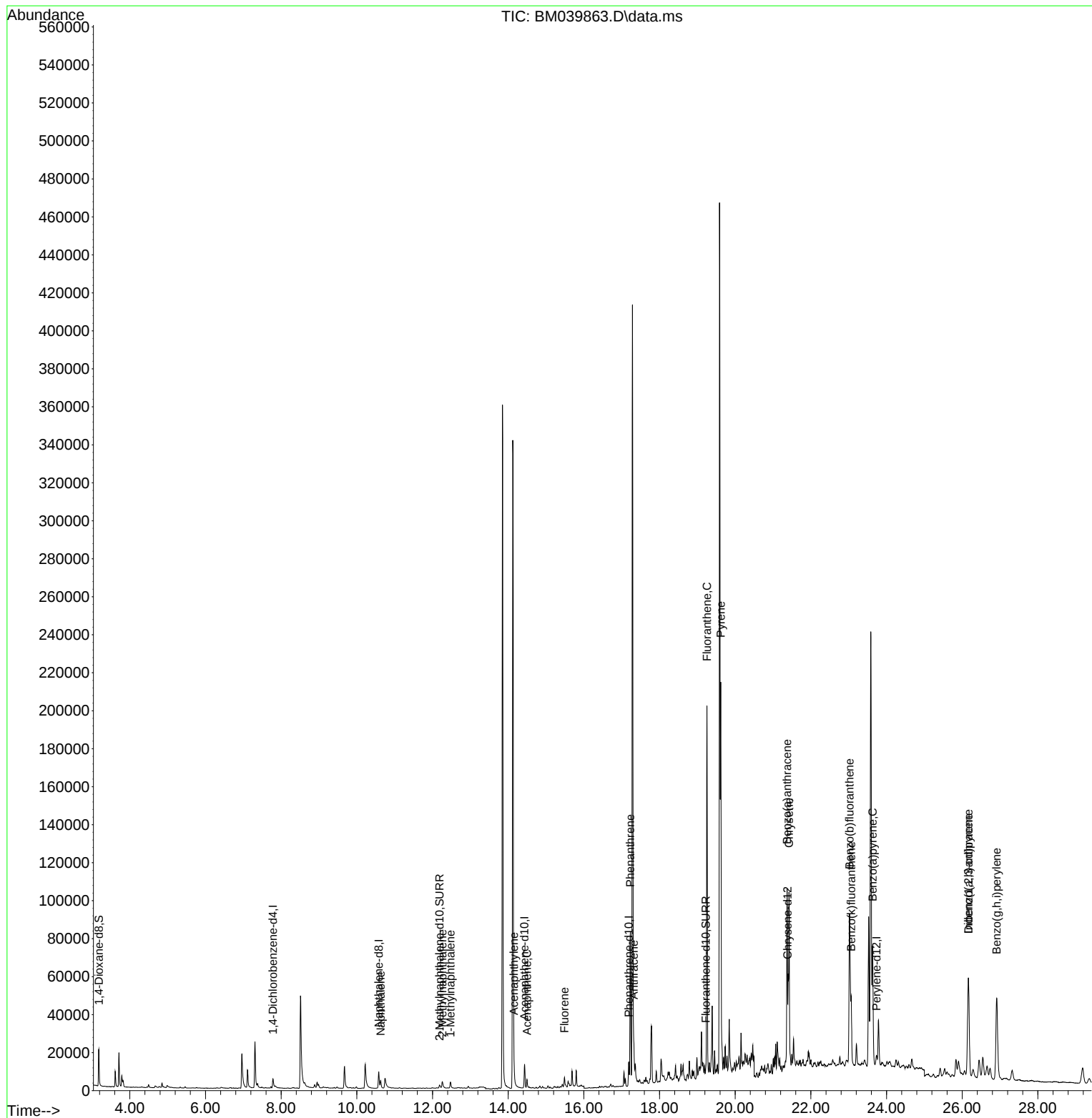
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050823\
Data File : BM039863.D
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ALS Vial : 4 Sample Multiplier: 1

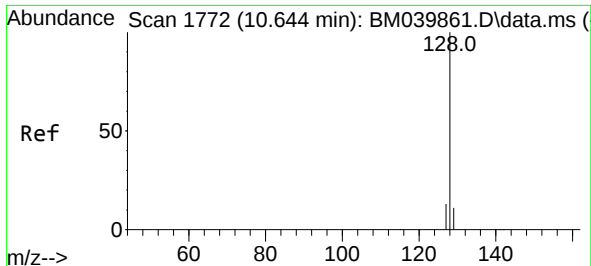
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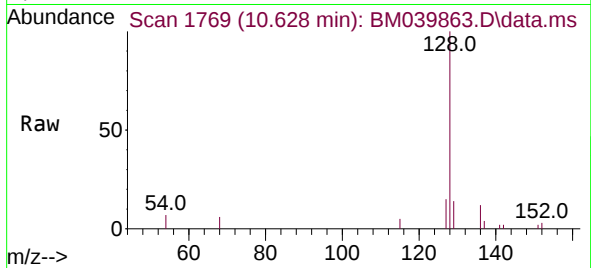
Quant Time: May 09 01:50:46 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 08 14:35:49 2023
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#5
Naphthalene
Concen: 0.184 ng/ul
RT: 10.628 min Scan# 1769
Delta R.T. -0.016 min
Lab File: BM039863.D
Acq: 08 May 2023 10:59

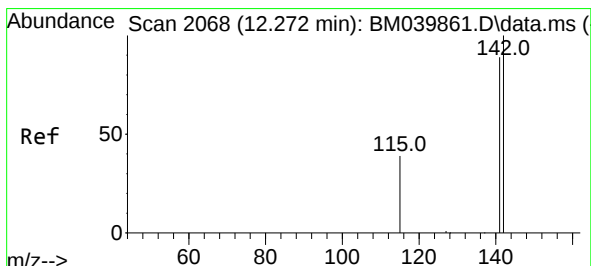
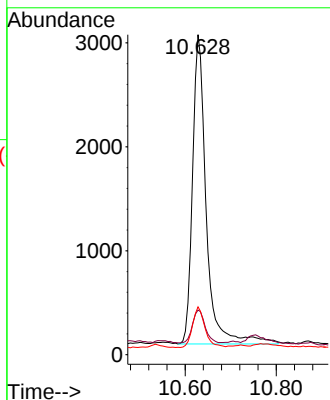
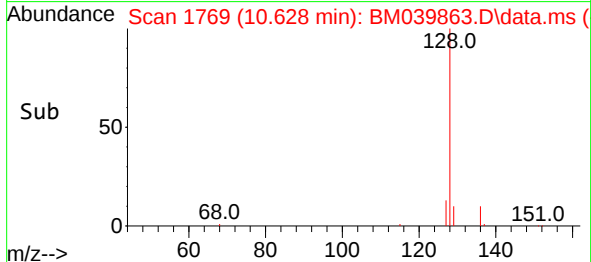
Instrument :
BNA_M
ClientSampleId :
EW944



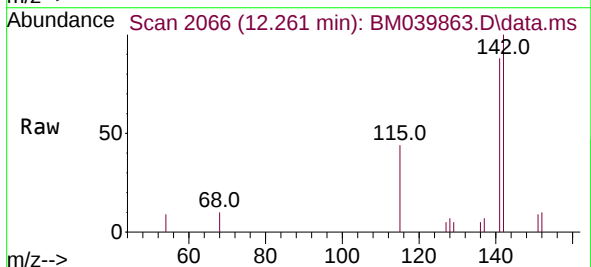
Tgt Ion:128 Resp: 6234
Ion Ratio Lower Upper
128 100
129 14.0 9.8 14.6
127 15.0 11.1 16.7

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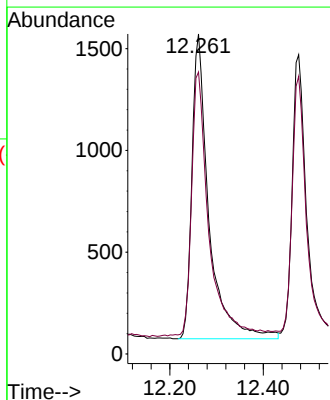
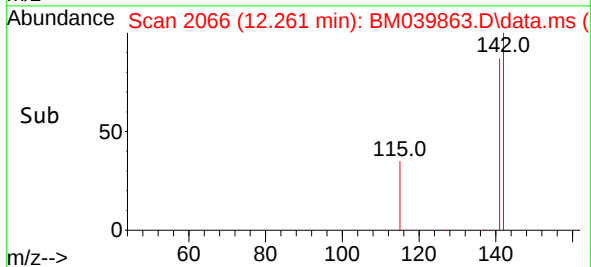
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

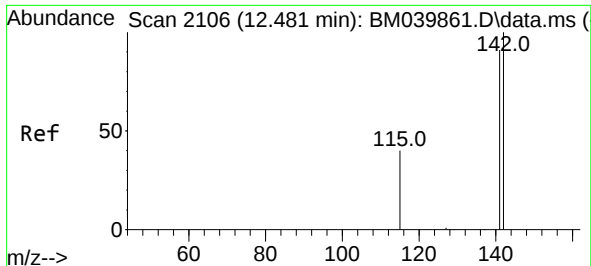


#7
2-Methylnaphthalene
Concen: 0.193 ng/ul
RT: 12.261 min Scan# 2066
Delta R.T. -0.011 min
Lab File: BM039863.D
Acq: 08 May 2023 10:59



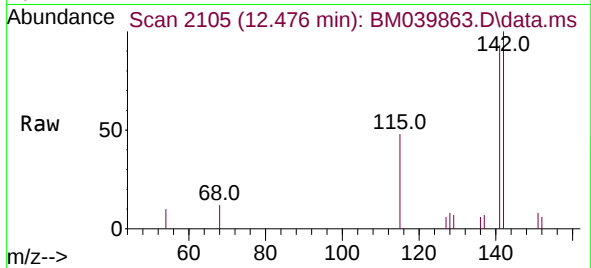
Tgt Ion:142 Resp: 3781
Ion Ratio Lower Upper
142 100
141 88.0 73.2 109.8





#8
1-Methylnaphthalene
Concen: 0.132 ng/ul
RT: 12.476 min Scan# 2106
Delta R.T. -0.005 min
Lab File: BM039863.D
Acq: 08 May 2023 10:59

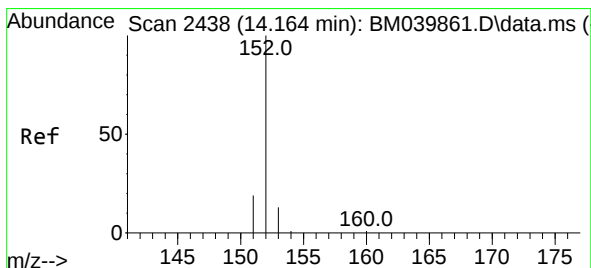
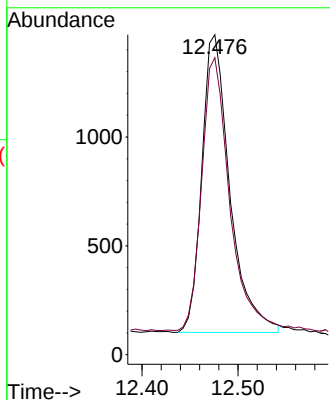
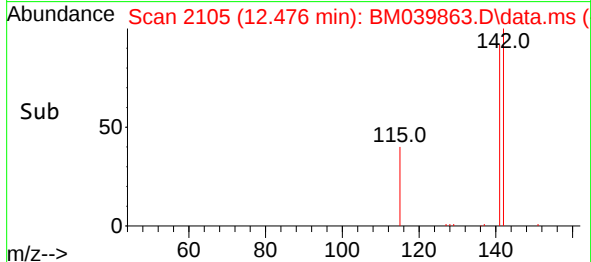
Instrument :
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Tgt Ion:142 Resp: 2780
Ion Ratio Lower Upper
142 100
141 91.0 73.4 110.2

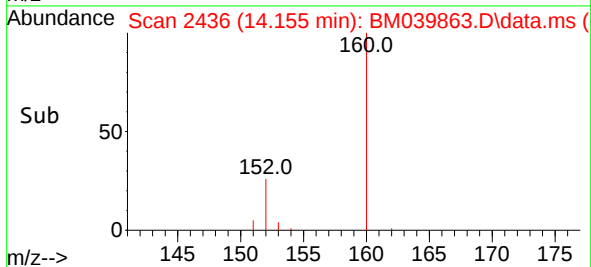
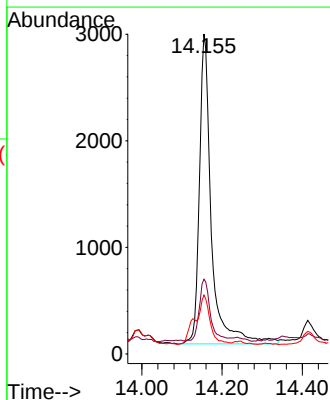
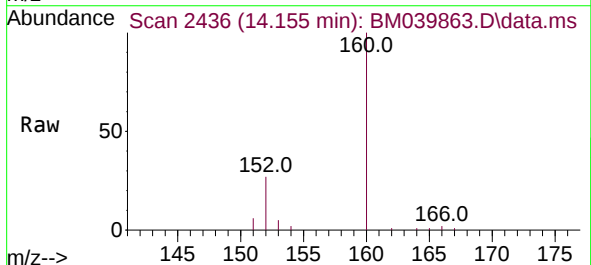
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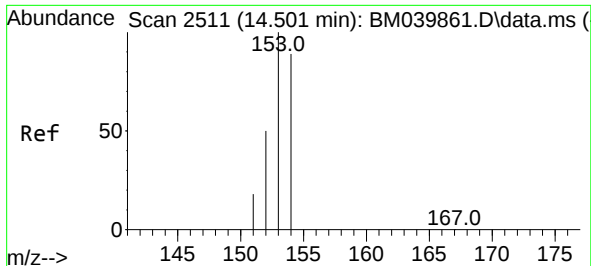
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#10
Acenaphthylene
Concen: 0.218 ng/ul
RT: 14.155 min Scan# 2436
Delta R.T. -0.009 min
Lab File: BM039863.D
Acq: 08 May 2023 10:59

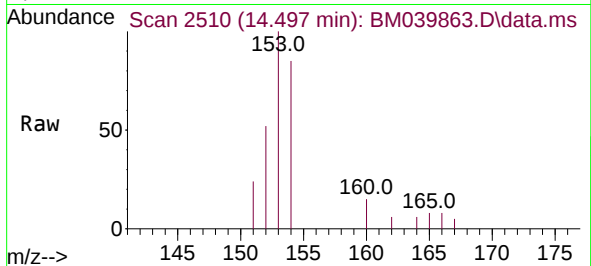
Tgt Ion:152 Resp: 6034
Ion Ratio Lower Upper
152 100
151 23.4 16.0 24.0
153 18.4 11.2 16.8#





#11
Acenaphthene
Concen: 0.131 ng/ul
RT: 14.497 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM039863.D
Acq: 08 May 2023 10:59

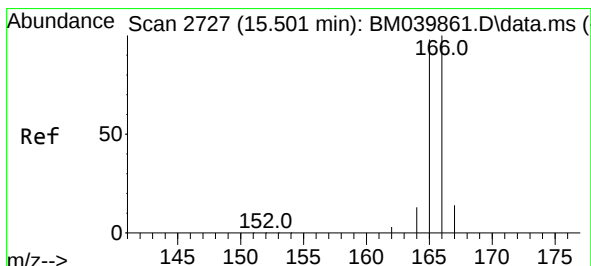
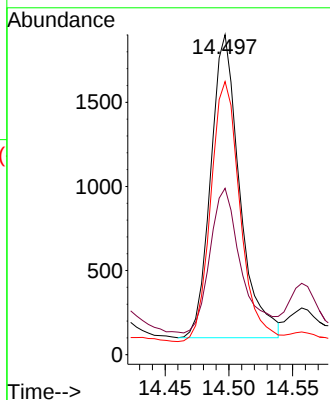
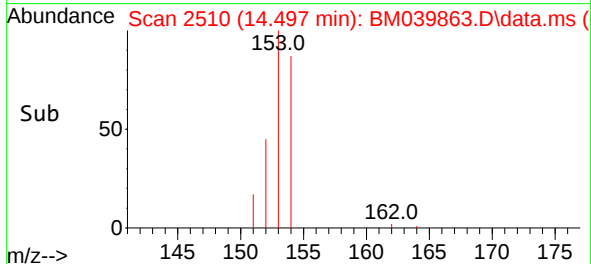
Instrument :
BNA_M
ClientSampleId :
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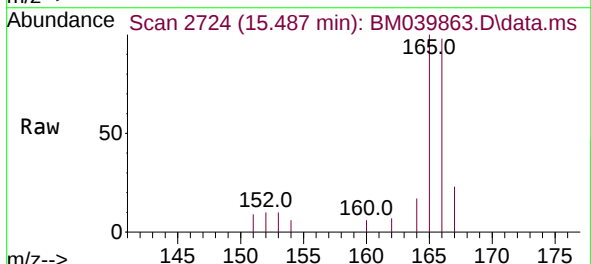
Tgt Ion:153 Resp: 2840
Ion Ratio Lower Upper
153 100
152 52.0 40.6 61.0
154 85.3 71.9 107.9

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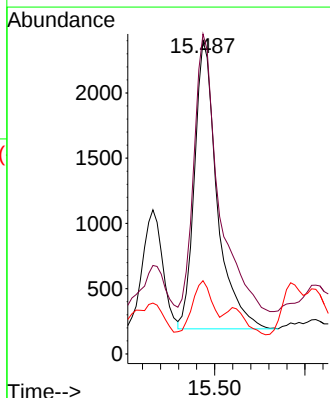
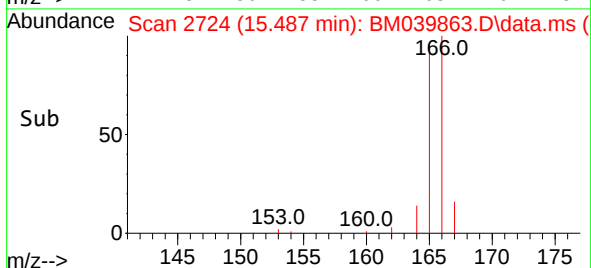
Reviewed By :Christian Giraldo 05/09/2023
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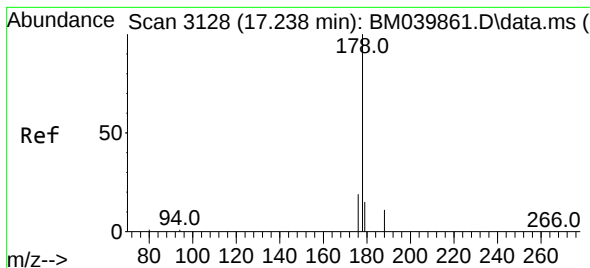


#12
Fluorene
Concen: 0.159 ng/ul
RT: 15.487 min Scan# 2724
Delta R.T. -0.014 min
Lab File: BM039863.D
Acq: 08 May 2023 10:59



Tgt Ion:166 Resp: 3852
Ion Ratio Lower Upper
166 100
165 102.0 79.0 118.6
167 23.3 11.8 17.6#





#15

Phenanthrene

Concen: 2.117 ng/ul

RT: 17.229 min Scan# 3126

Delta R.T. -0.008 min

Lab File: BM039863.D

Acq: 08 May 2023 10:59

Instrument :

BNA_M

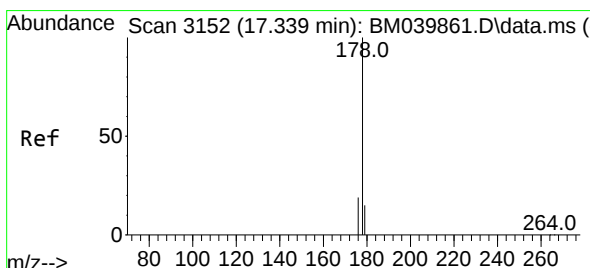
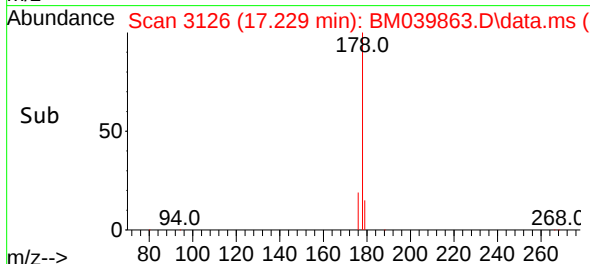
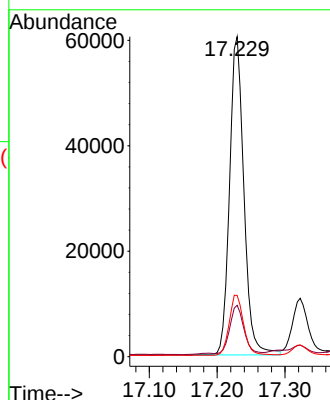
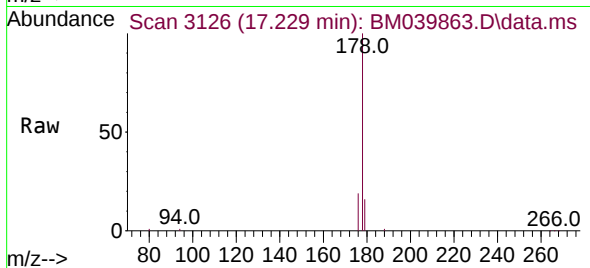
ClientSampleId :

EW944

Tgt Ion:178	Resp:	8899
Ion Ratio	Lower	Upper
178	100	
179	16.0	13.0 19.6
176	19.2	15.8 23.8

Manual Integrations
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Supervised By :Jagrut Upadhyay 05/09/2023



#16

Anthracene

Concen: 0.408 ng/ul

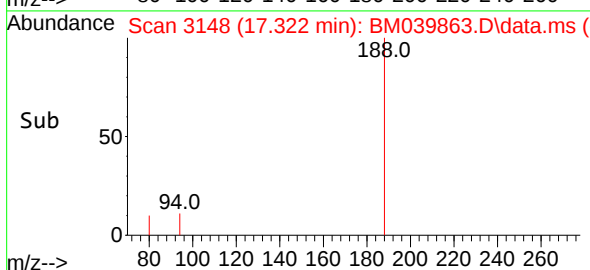
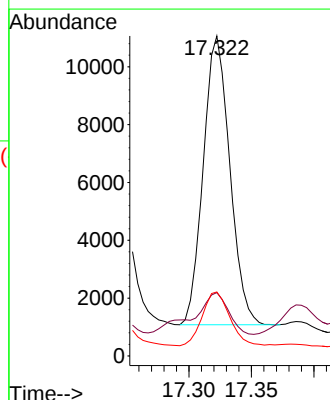
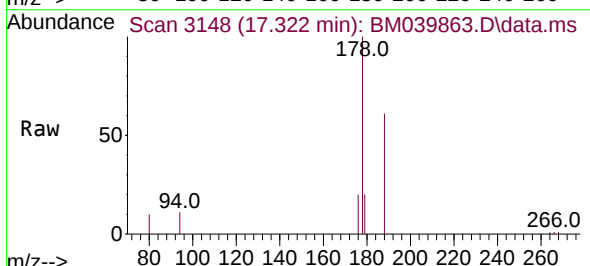
RT: 17.322 min Scan# 3148

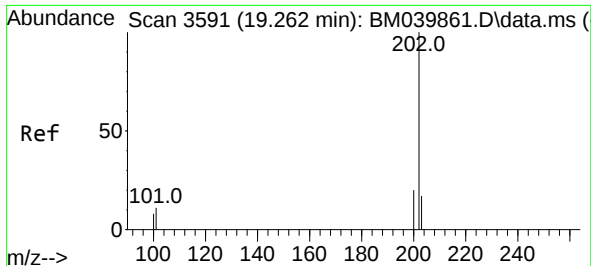
Delta R.T. -0.017 min

Lab File: BM039863.D

Acq: 08 May 2023 10:59

Tgt Ion:178	Resp:	14729
Ion Ratio	Lower	Upper
178	100	
179	19.8	13.8 20.6
176	20.0	15.8 23.8





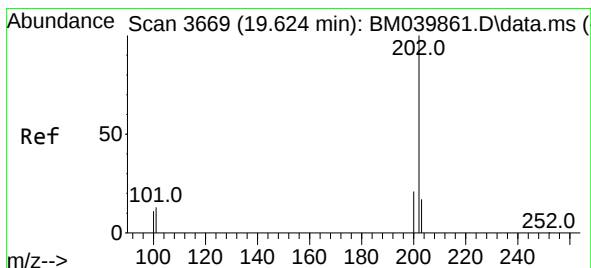
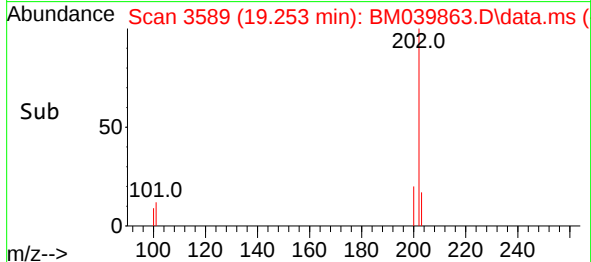
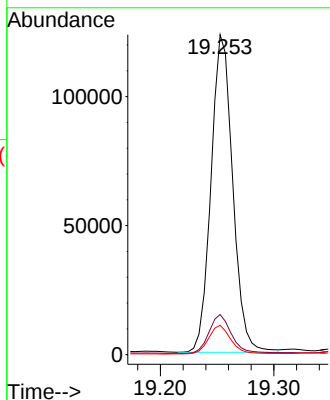
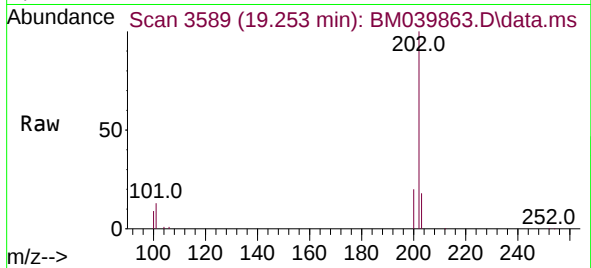
#19
Fluoranthene
Concen: 6.919 ng/u1
RT: 19.253 min Scan# 3589
Delta R.T. -0.009 min
Lab File: BM039863.D
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Tgt Ion:202 Resp: 163234
Ion Ratio Lower Upper
202 100
101 12.6 9.8 14.8
100 9.2 7.3 10.9

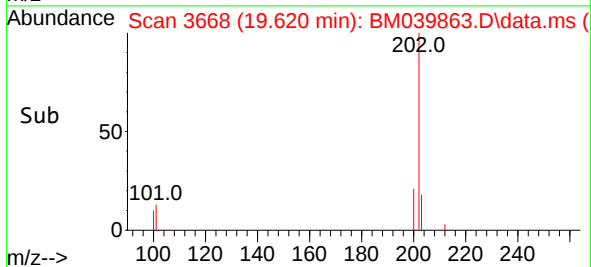
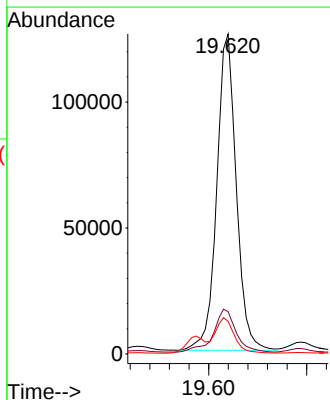
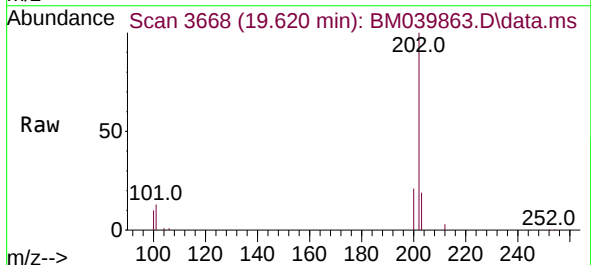
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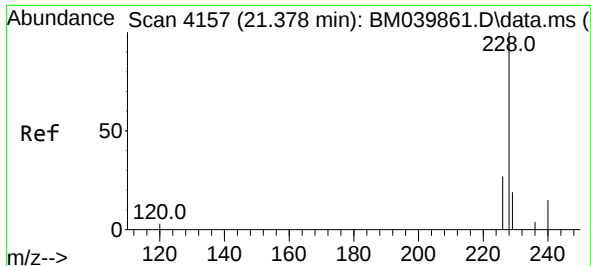
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#20
Pyrene
Concen: 6.807 ng/u1
RT: 19.620 min Scan# 3668
Delta R.T. -0.004 min
Lab File: BM039863.D
Acq: 08 May 2023 10:59

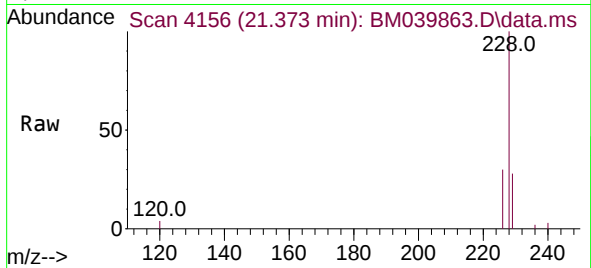
Tgt Ion:202 Resp: 173432
Ion Ratio Lower Upper
202 100
101 13.2 10.9 16.3
100 10.2 8.9 13.3





#21
Benzo(a)anthracene
Concen: 4.090 ng/ul
RT: 21.373 min Scan# 4157
Delta R.T. -0.004 min
Lab File: BM039863.D
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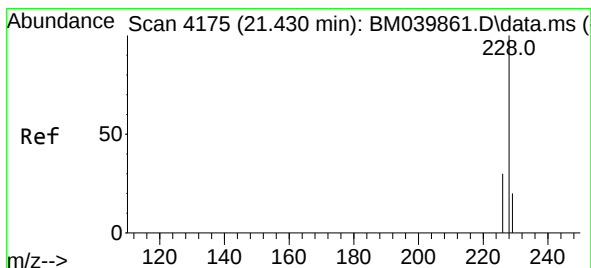
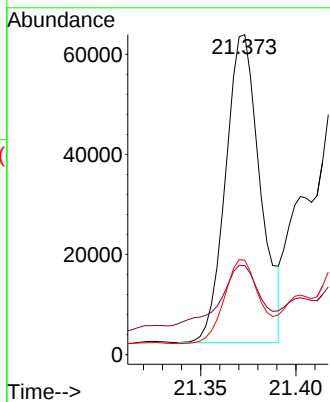
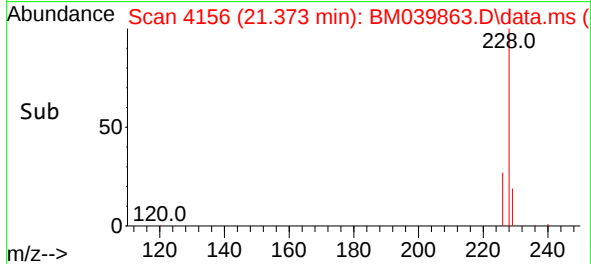
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Tgt Ion:228 Resp: 77759
Ion Ratio Lower Upper
228 100
229 27.8 16.2 24.2
226 29.6 21.6 32.4

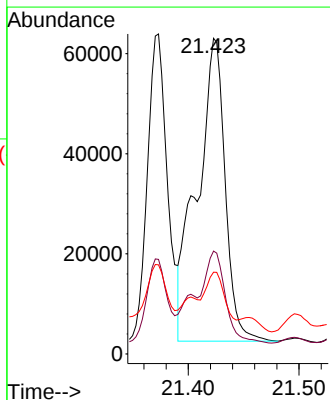
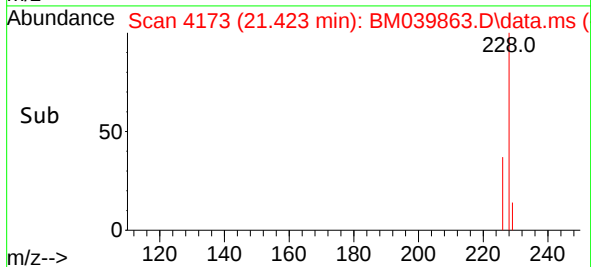
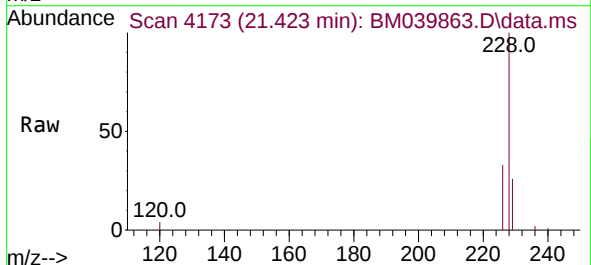
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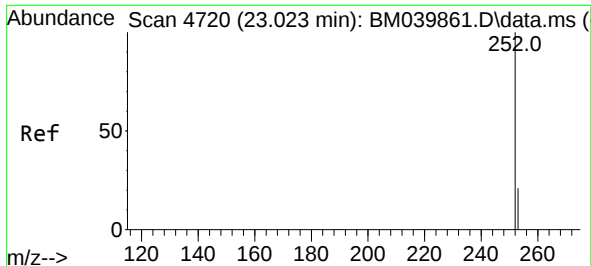
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#22
Chrysene
Concen: 4.947 ng/ul
RT: 21.423 min Scan# 4173
Delta R.T. -0.007 min
Lab File: BM039863.D
Acq: 08 May 2023 10:59

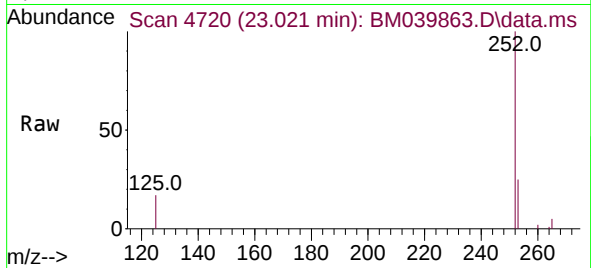
Tgt Ion:228 Resp: 106434
Ion Ratio Lower Upper
228 100
226 32.6 24.3 36.5
229 25.9 15.9 23.9#





#24
Benzo(b)fluoranthene
Concen: 5.393 ng/ul
RT: 23.021 min Scan# 4720
Delta R.T. -0.002 min
Lab File: BM039863.D
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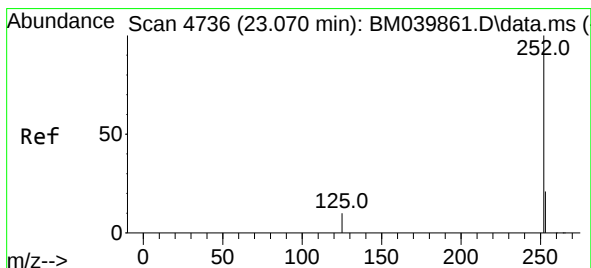
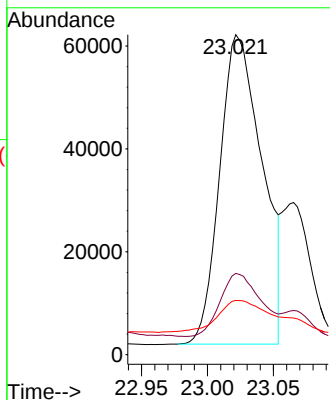
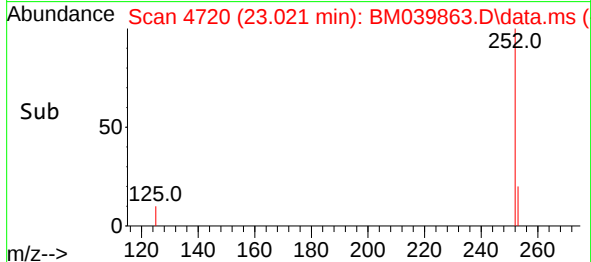
Instrument :
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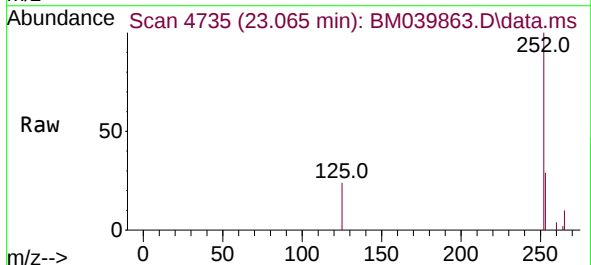
Tgt Ion:252 Resp: 13428
Ion Ratio Lower Upper
252 100
253 25.4 0.0 52.8
125 17.0 0.0 31.6

Manual Integrations
APPROVED

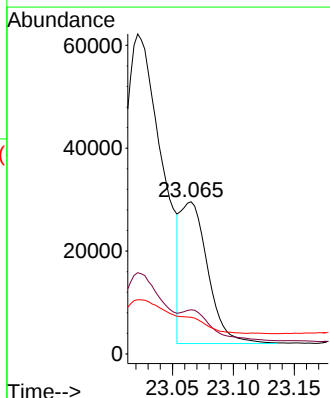
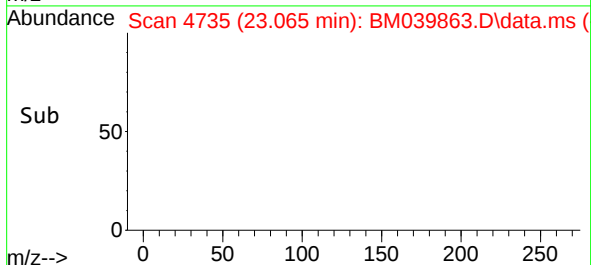
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

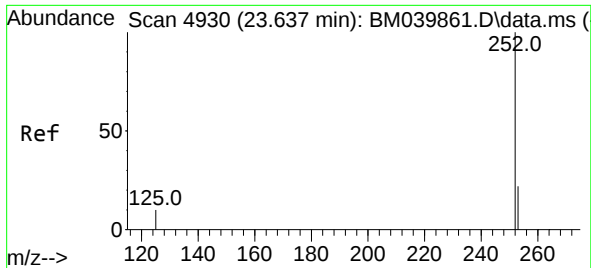


#25
Benzo(k)fluoranthene
Concen: 1.704 ng/ul m
RT: 23.065 min Scan# 4735
Delta R.T. -0.004 min
Lab File: BM039863.D
Acq: 08 May 2023 10:59



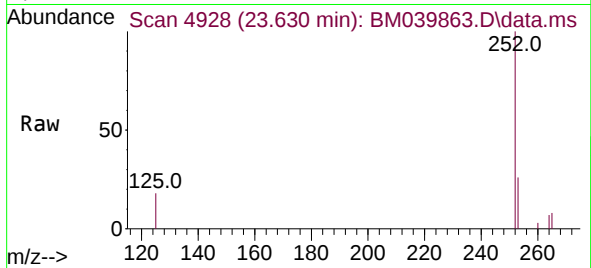
Tgt Ion:252 Resp: 43210
Ion Ratio Lower Upper
252 100
253 29.0 21.3 31.9
125 24.1 13.0 19.6#





#26
Benzo(a)pyrene
Concen: 4.016 ng/ul
RT: 23.630 min Scan# 4930
Delta R.T. -0.007 min
Lab File: BM039863.D
Acq: 08 May 2023 10:59

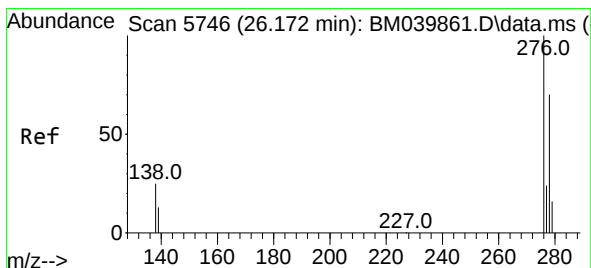
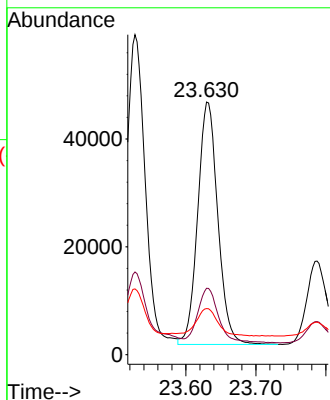
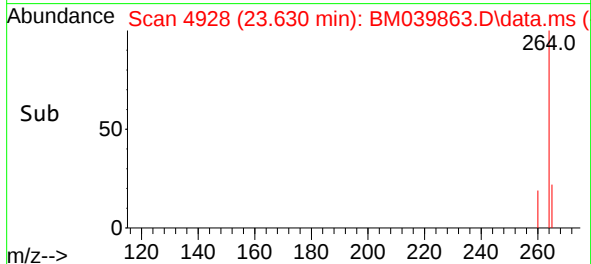
Instrument :
BNA_M
ClientSampleId :
EW944



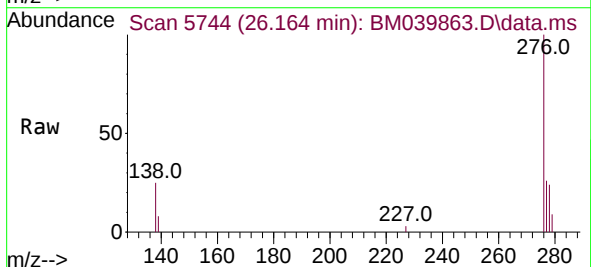
Tgt Ion:252 Resp: 89779
Ion Ratio Lower Upper
252 100
253 26.3 24.7 37.1
125 18.2 16.5 24.7

Manual Integrations
APPROVED

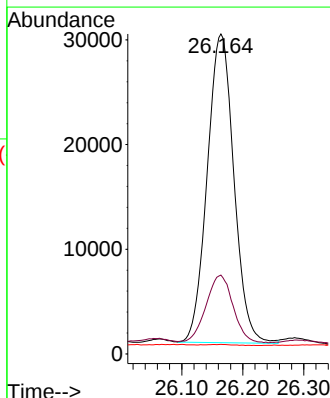
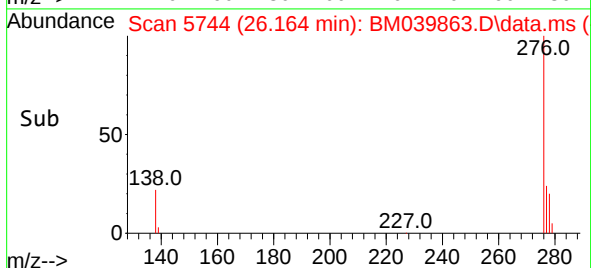
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

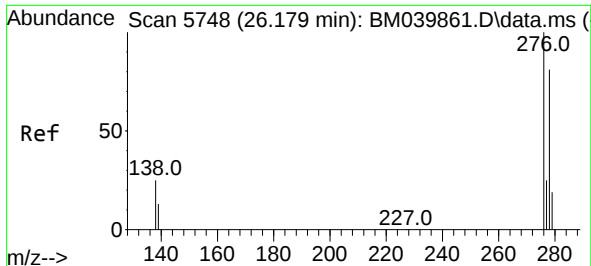


#27
Indeno(1,2,3-cd)pyrene
Concen: 3.168 ng/ul
RT: 26.164 min Scan# 5744
Delta R.T. -0.008 min
Lab File: BM039863.D
Acq: 08 May 2023 10:59



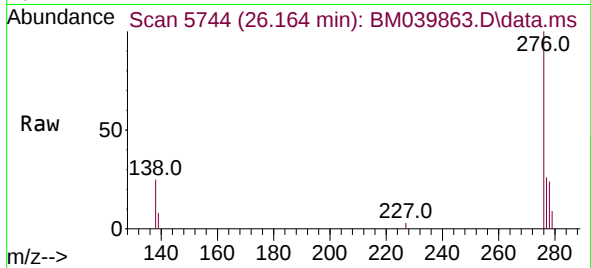
Tgt Ion:276 Resp: 89557
Ion Ratio Lower Upper
276 100
138 22.1 21.1 31.7
227 0.3 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 1.116 ng/ul
RT: 26.164 min Scan# 51
Delta R.T. -0.015 min
Lab File: BM039863.D
Acq: 08 May 2023 10:59

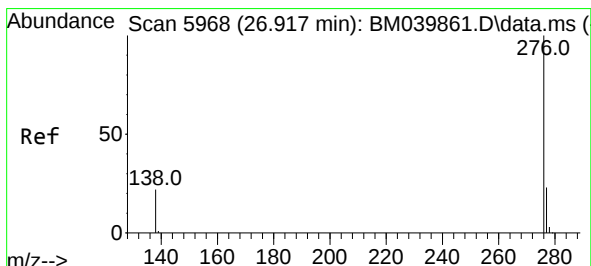
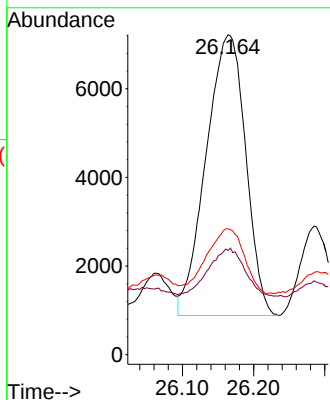
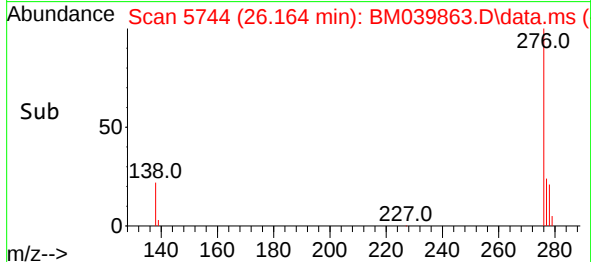
Instrument :
BNA_M
ClientSampleId :
EW944



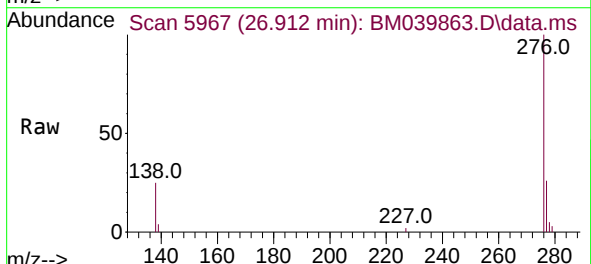
Tgt Ion:278 Resp: 2448
Ion Ratio Lower Upper
278 100
139 32.6 17.0 25.6
279 39.4 23.4 35.2

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 3.902 ng/ul
RT: 26.912 min Scan# 5967
Delta R.T. -0.005 min
Lab File: BM039863.D
Acq: 08 May 2023 10:59



Tgt Ion:276 Resp: 96118
Ion Ratio Lower Upper
276 100
138 24.7 20.1 30.1
277 25.9 20.1 30.1

