

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050823\
 Data File : BM039864.D
 Acq On : 08 May 2023 11:35
 Operator : CG/JU
 Sample : 02479-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EW943

Manual Integrations
 APPROVED

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

Quant Time: May 09 01:50:56 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	7.779	152	3518	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.578	136	12623	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.432	164	7489	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.187	188	15964	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.393	240	5254	0.400	ng/ul	# 0.00
23) Perylene-d12	23.743	264	8602	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.180	96	11268	2.173	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.173	152	3521	0.217	ng/ul	-0.03
18) Fluoranthene-d10	19.225	212	4266	0.302	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.622	128	107001	3.376	ng/ul	98
7) 2-Methylnaphthalene	12.245	142	93233	5.096	ng/ul	97
8) 1-Methylnaphthalene	12.465	142	56789	2.894	ng/ul	100
10) Acenaphthylene	14.155	152	72919	2.516	ng/ul	99
11) Acenaphthene	14.492	153	196302	8.622	ng/ul	97
12) Fluorene	15.487	166	358291	14.184	ng/ul	97
14) Pentachlorophenol	16.862	266	482	0.139	ng/ul	92
15) Phenanthrene	17.234	178	2689789	63.954	ng/ul	99
16) Anthracene	17.322	178	674100	18.666	ng/ul	97
19) Fluoranthene	19.257	202	2974914	158.711	ng/ul	98
20) Pyrene	19.624	202	2130608	105.258	ng/ul	100
21) Benzo(a)anthracene	21.376	228	1212590	80.272	ng/ul	98
22) Chrysene	21.428	228	1139156	66.636	ng/ul	97
24) Benzo(b)fluoranthene	23.030	252	1385599	45.866	ng/ul	93
25) Benzo(k)fluoranthene	23.071	252	439104m	14.275	ng/ul	
26) Benzo(a)pyrene	23.641	252	857672	31.621	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.174	276	596036	17.379	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.177	278	189860	7.132	ng/ul	99
29) Benzo(g,h,i)perylene	26.922	276	520657	17.422	ng/ul	98

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

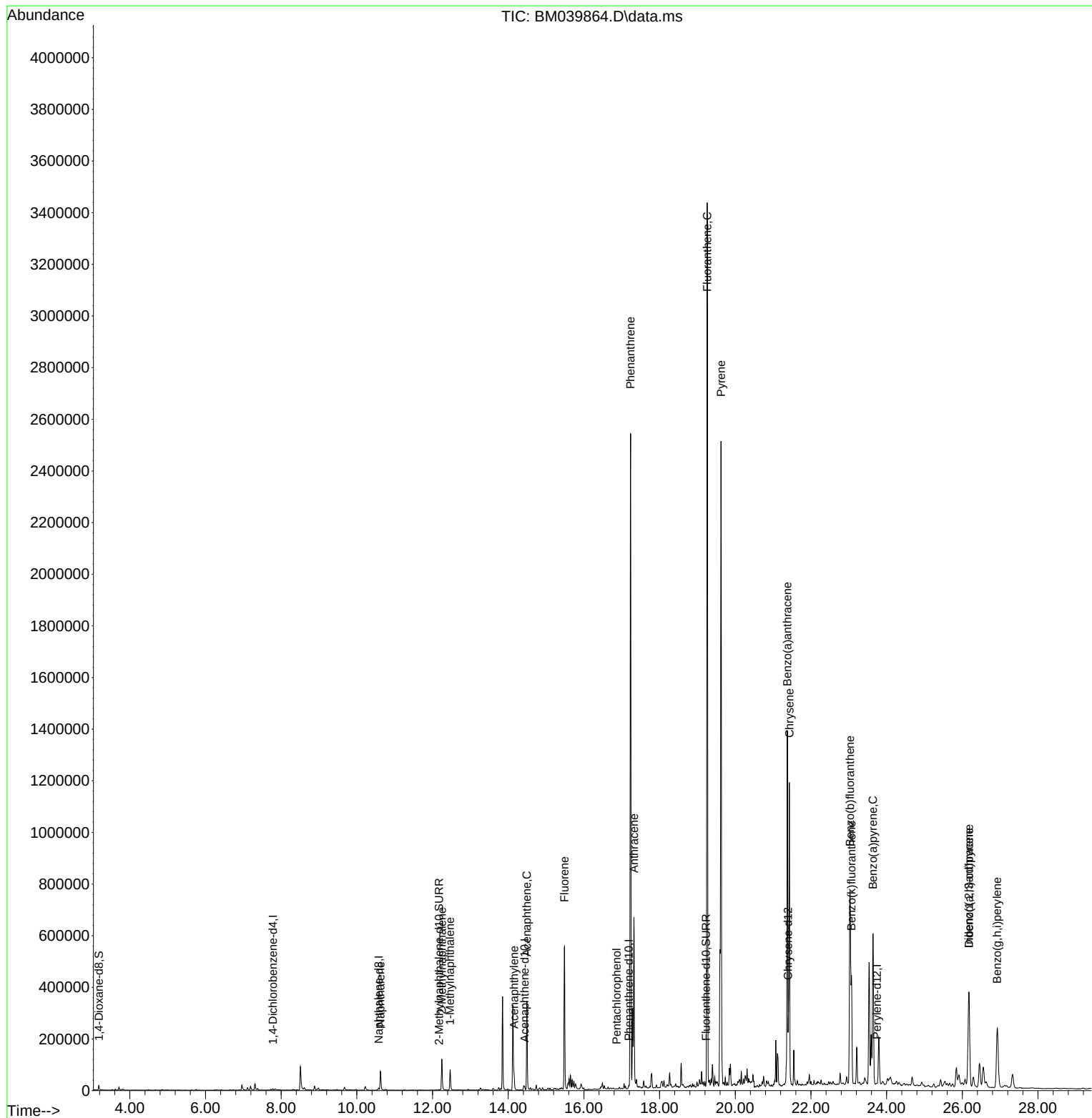
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050823\
Data File : BM039864.D
Acq On : 08 May 2023 11:35
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Sample : 02479-02
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ALS Vial : 5 Sample Multiplier: 1

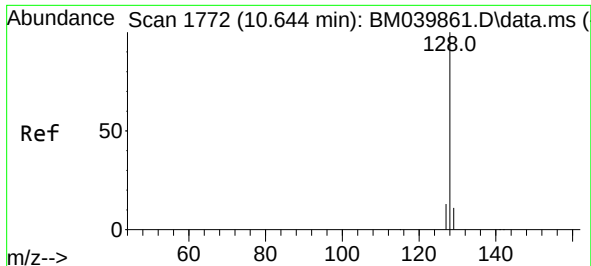
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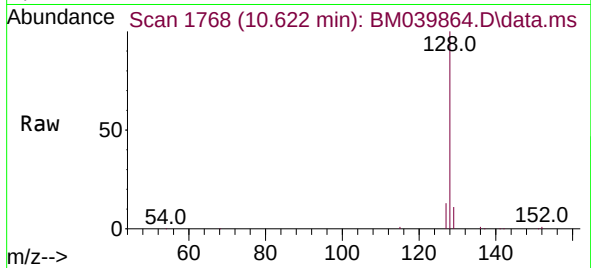
Quant Time: May 09 01:50:56 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 08 14:35:49 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 3.376 ng/ul
RT: 10.622 min Scan# 1768
Delta R.T. -0.022 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35

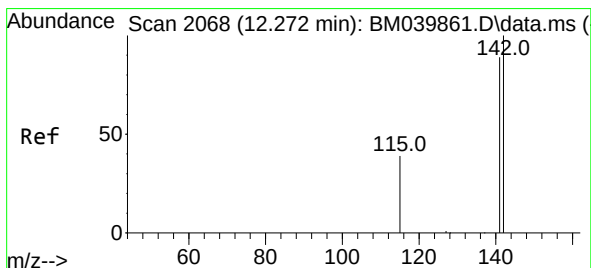
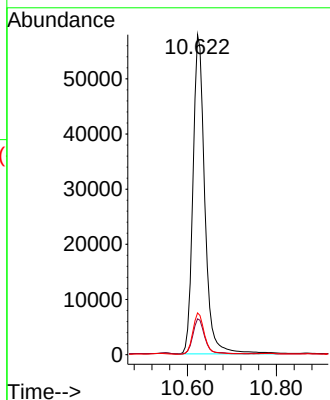
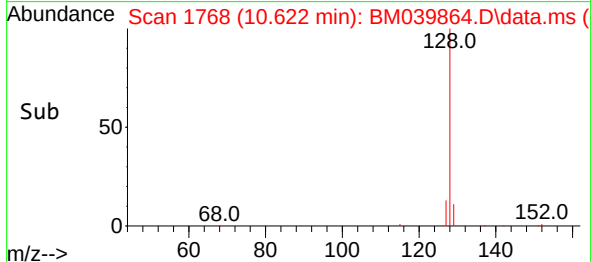
Instrument :
BNA_M
ClientSampleId :
EW943



Tgt Ion:128 Resp: 10700
Ion Ratio Lower Upper
128 100
129 11.2 9.8 14.6
127 13.1 11.1 16.7

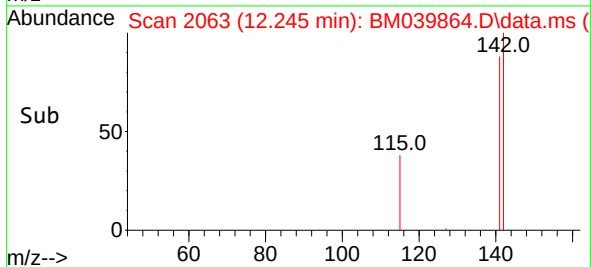
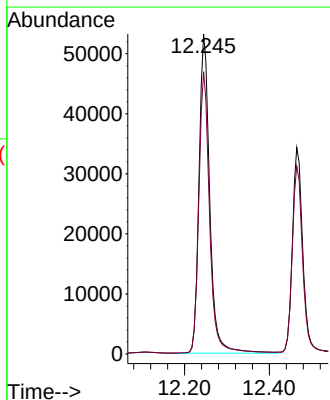
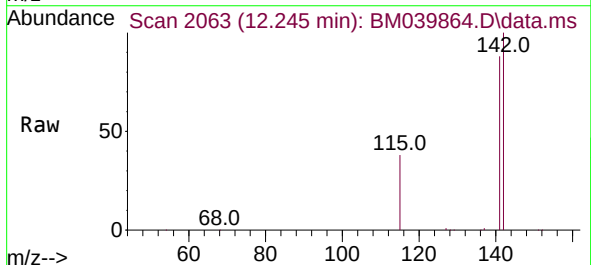
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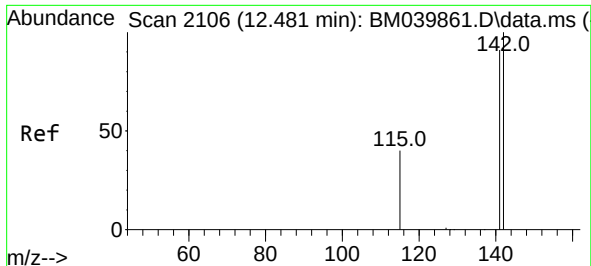
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023



#7
2-Methylnaphthalene
Concen: 5.096 ng/ul
RT: 12.245 min Scan# 2063
Delta R.T. -0.027 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35

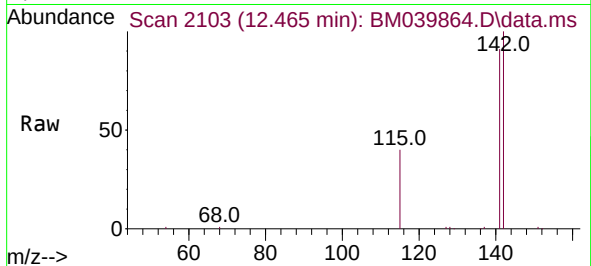
Tgt Ion:142 Resp: 93233
Ion Ratio Lower Upper
142 100
141 88.4 73.2 109.8





#8
1-Methylnaphthalene
Concen: 2.894 ng/ul
RT: 12.465 min Scan# 2106
Delta R.T. -0.016 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35

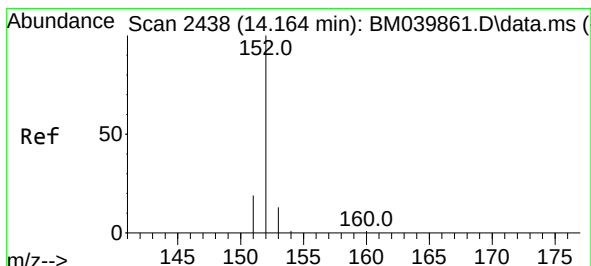
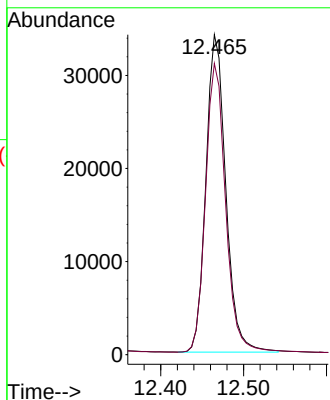
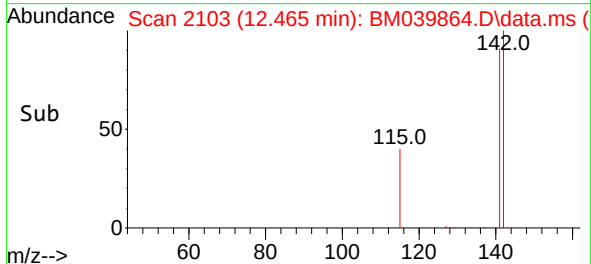
Instrument :
BNA_M
ClientSampleId :
EW943



Tgt Ion:142 Resp: 56789
Ion Ratio Lower Upper
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141 91.5 73.4 110.2

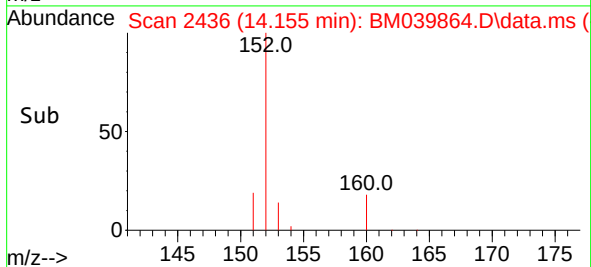
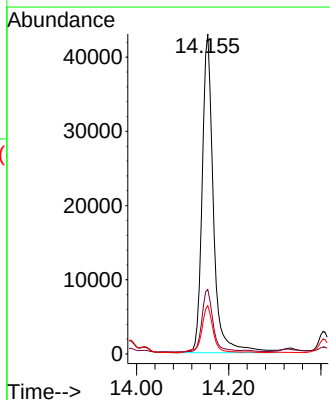
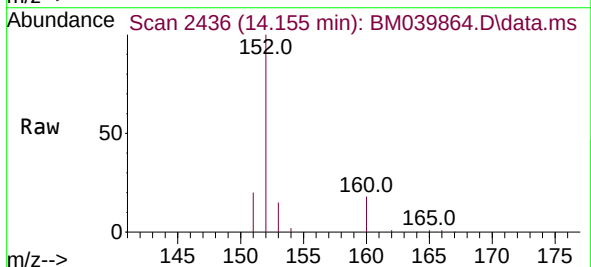
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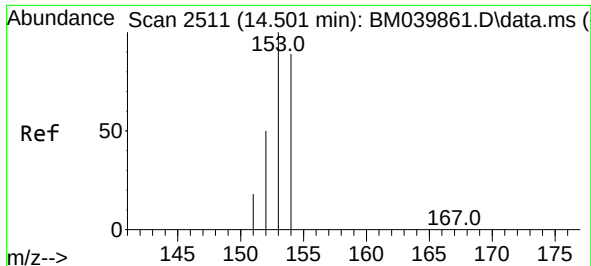
Reviewed By :Christian Giraldo 05/09/2023
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#10
Acenaphthylene
Concen: 2.516 ng/ul
RT: 14.155 min Scan# 2436
Delta R.T. -0.009 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35

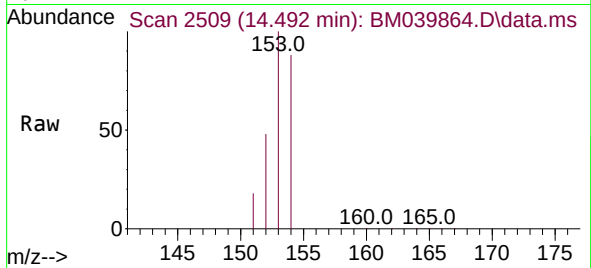
Tgt Ion:152 Resp: 72919
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 15.1 11.2 16.8





#11
Acenaphthene
Concen: 8.622 ng/u1
RT: 14.492 min Scan# 21
Delta R.T. -0.009 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35

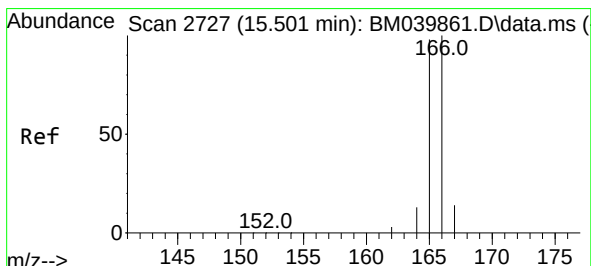
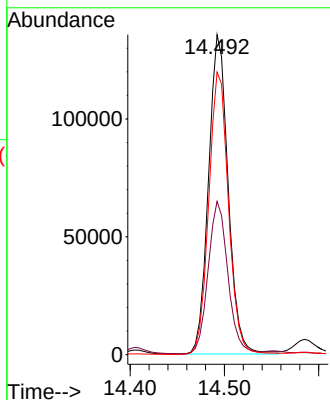
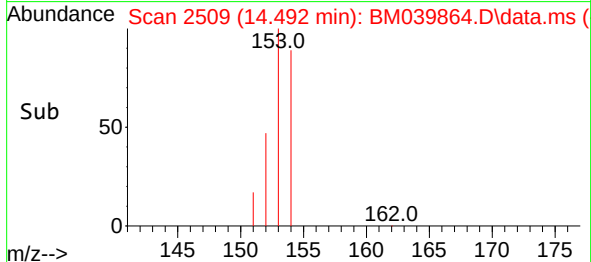
Instrument :
BNA_M
ClientSampleId :
EW943



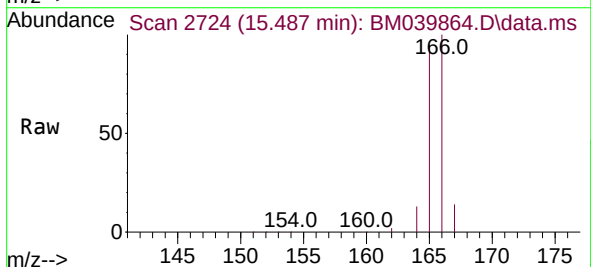
Tgt Ion:153 Resp: 196302
Ion Ratio Lower Upper
153 100
152 47.9 40.6 61.0
154 88.3 71.9 107.9

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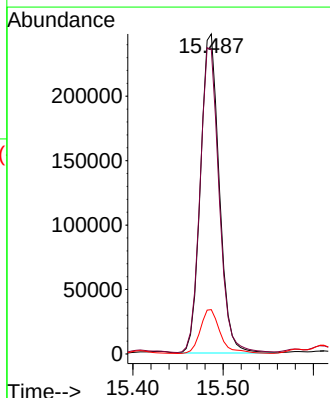
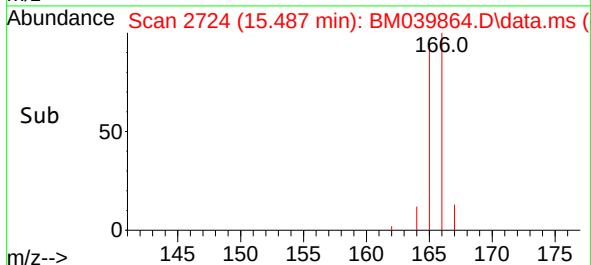
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

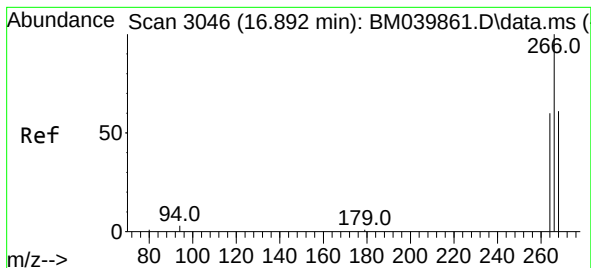


#12
Fluorene
Concen: 14.184 ng/u1
RT: 15.487 min Scan# 2724
Delta R.T. -0.014 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35



Tgt Ion:166 Resp: 358291
Ion Ratio Lower Upper
166 100
165 95.1 79.0 118.6
167 13.9 11.8 17.6





#14

Pentachlorophenol

Concen: 0.139 ng/uI

RT: 16.862 min Scan# 3046

Delta R.T. -0.029 min

Lab File: BM039864.D

Acq: 08 May 2023 11:35

Instrument :

BNA_M

ClientSampleId :

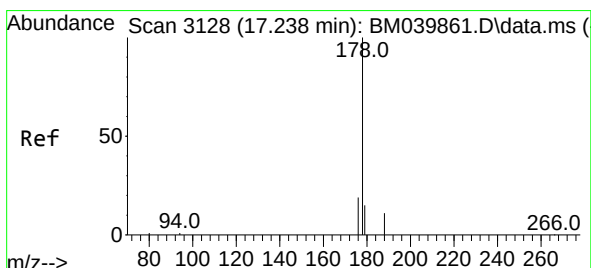
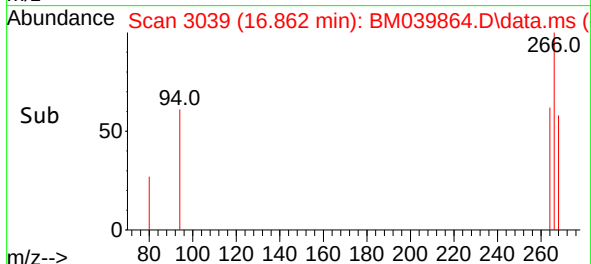
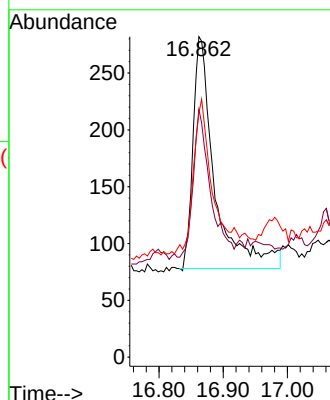
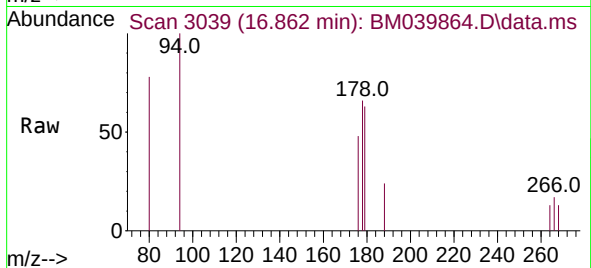
EW943

Tgt Ion:	266	Resp:	48.8
Ion Ratio	Lower	Upper	
266	100		
264	49.4	48.8	73.2
268	62.4	50.4	75.6

Manual Integrations

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#15

Phenanthrene

Concen: 63.954 ng/uI

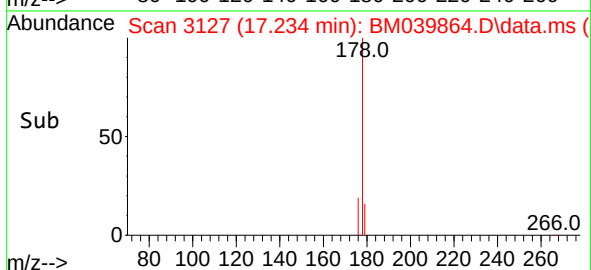
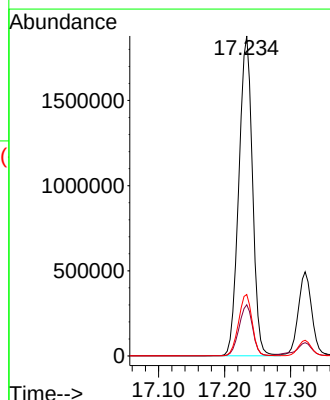
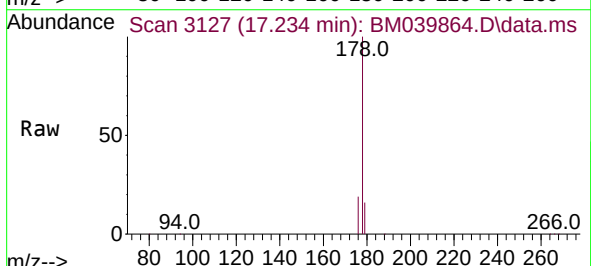
RT: 17.234 min Scan# 3127

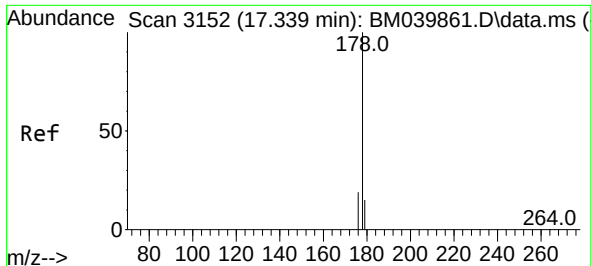
Delta R.T. -0.004 min

Lab File: BM039864.D

Acq: 08 May 2023 11:35

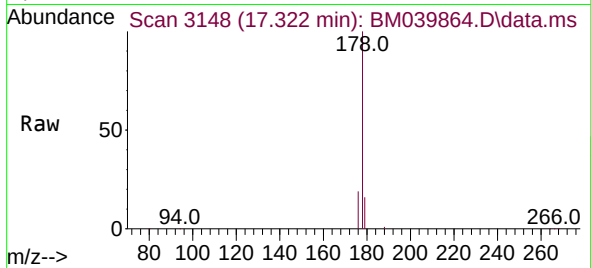
Tgt Ion:	178	Resp:	2689789
Ion Ratio	Lower	Upper	
178	100		
179	16.0	13.0	19.6
176	19.2	15.8	23.8





#16
 Anthracene
 Concen: 18.666 ng/ul
 RT: 17.322 min Scan# 3152
 Delta R.T. -0.017 min
 Lab File: BM039864.D
 Acq: 08 May 2023 11:35

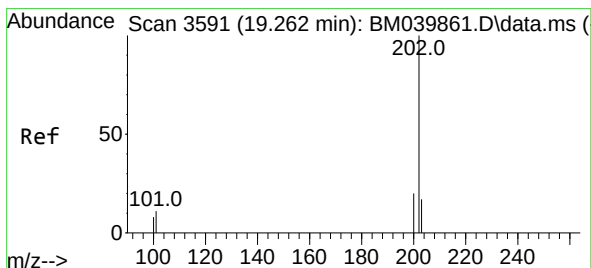
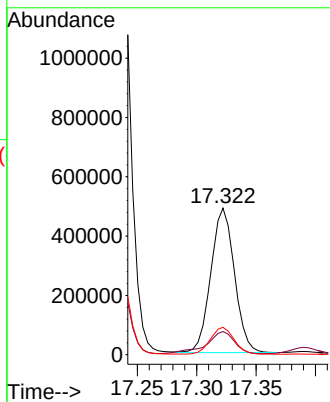
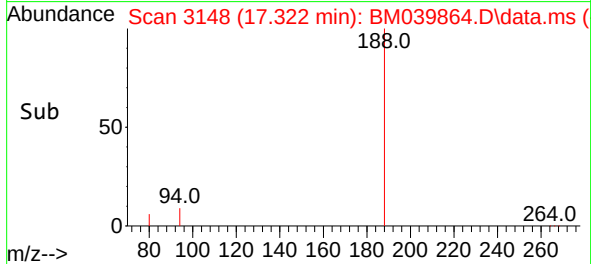
Instrument :
 BNA_M
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 EW943



Tgt Ion:178 Resp: 674100
 Ion Ratio Lower Upper
 178 100
 179 15.8 13.8 20.6
 176 18.7 15.8 23.8

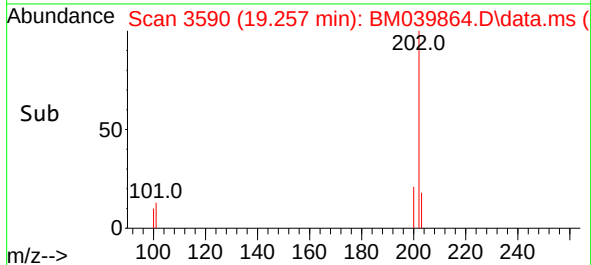
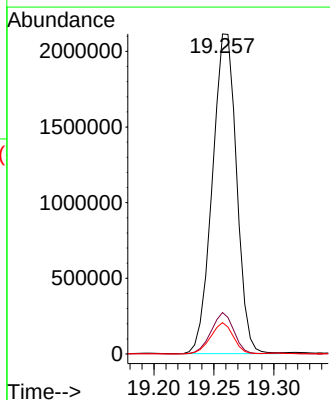
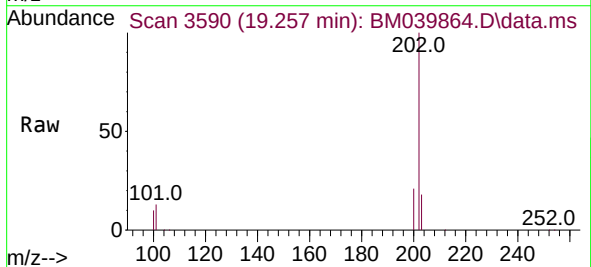
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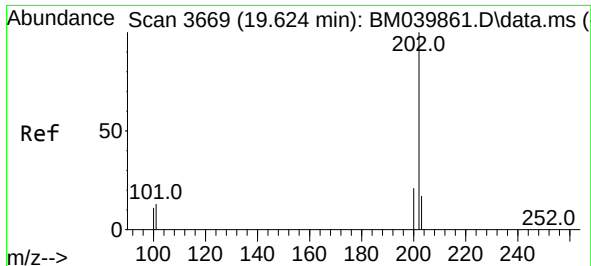
Reviewed By :Christian Giraldo 05/09/2023
 Supervised By :Jagrut Upadhyay 05/09/2023



#19
 Fluoranthene
 Concen: 158.711 ng/ul
 RT: 19.257 min Scan# 3590
 Delta R.T. -0.005 min
 Lab File: BM039864.D
 Acq: 08 May 2023 11:35

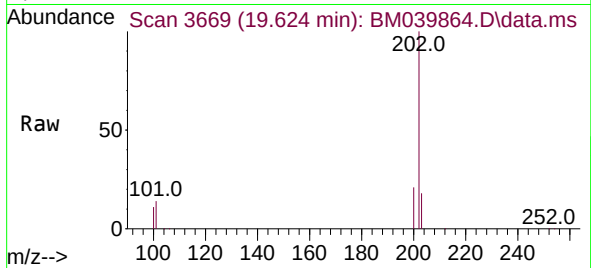
Tgt Ion:202 Resp: 2974914
 Ion Ratio Lower Upper
 202 100
 101 12.9 9.8 14.8
 100 9.8 7.3 10.9





#20
Pyrene
Concen: 105.258 ng/ul
RT: 19.624 min Scan# 3669
Delta R.T. 0.000 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35

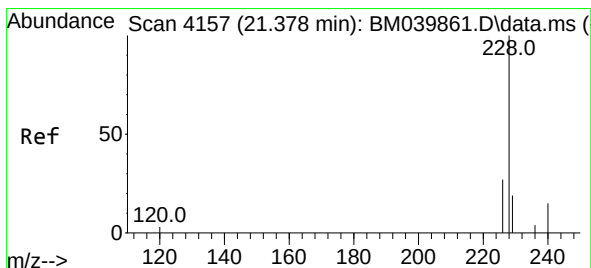
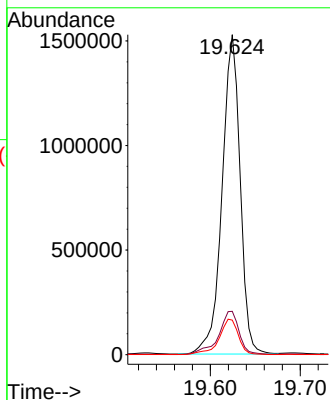
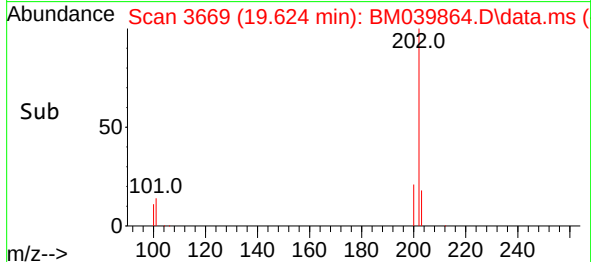
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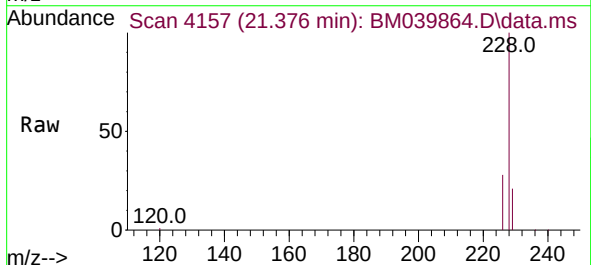
Tgt Ion:202 Resp: 2130608
Ion Ratio Lower Upper
202 100
101 13.6 10.9 16.3
100 10.8 8.9 13.3

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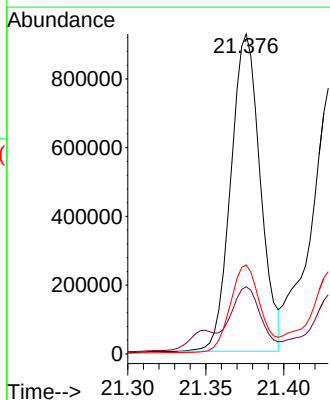
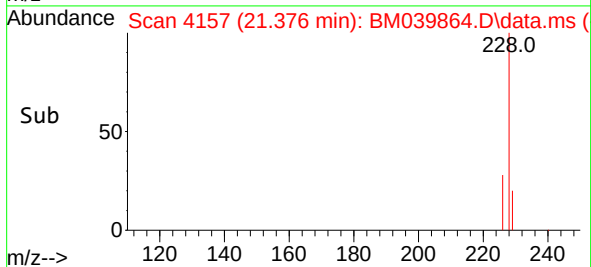
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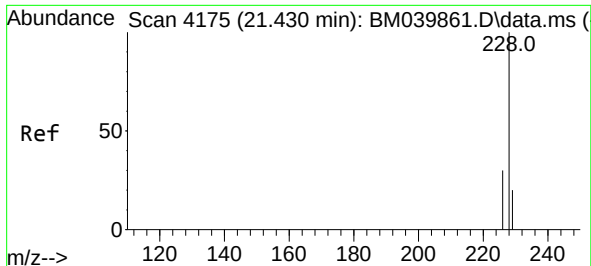


#21
Benzo(a)anthracene
Concen: 80.272 ng/ul
RT: 21.376 min Scan# 4157
Delta R.T. -0.002 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35



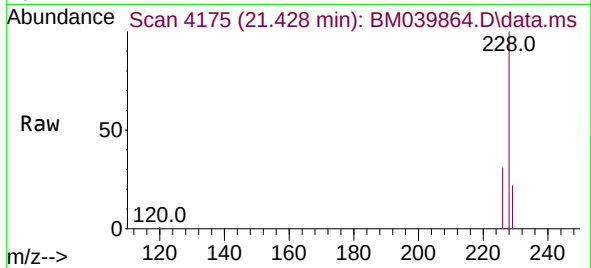
Tgt Ion:228 Resp: 1212590
Ion Ratio Lower Upper
228 100
229 21.0 16.2 24.2
226 27.8 21.6 32.4





#22
Chrysene
Concen: 66.636 ng/ul
RT: 21.428 min Scan# 4175
Delta R.T. -0.002 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35

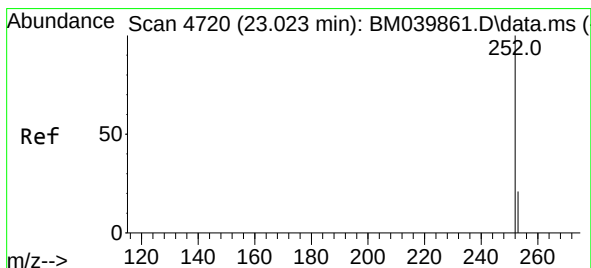
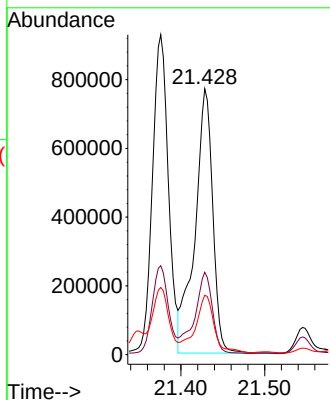
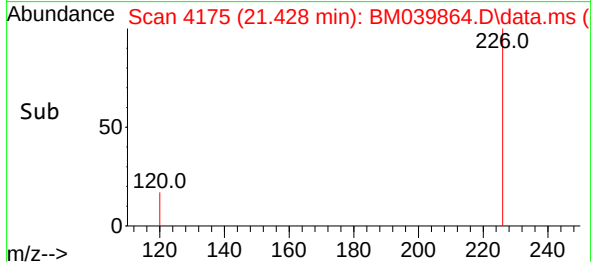
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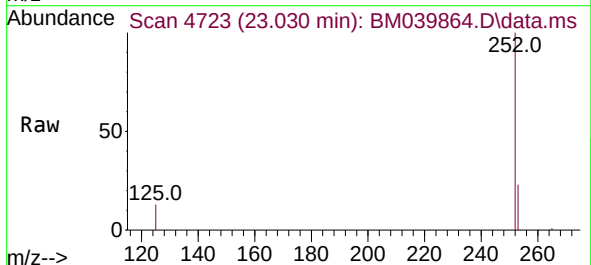
Tgt Ion:228 Resp: 1139150
Ion Ratio Lower Upper
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226 31.0 24.3 36.5
229 22.3 15.9 23.9

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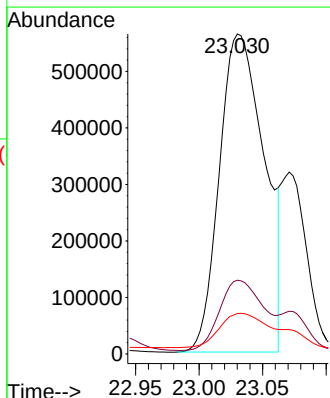
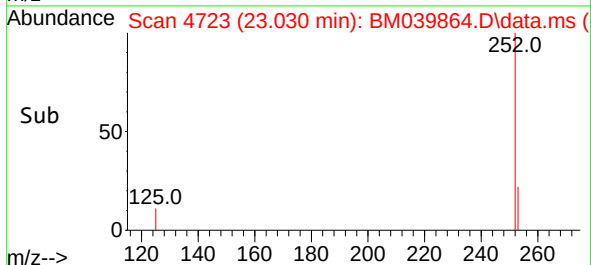
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

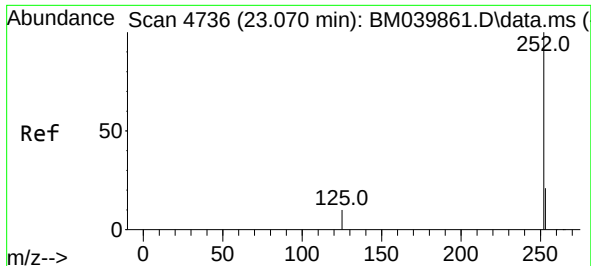


#24
Benzo(b)fluoranthene
Concen: 45.866 ng/ul
RT: 23.030 min Scan# 4723
Delta R.T. 0.007 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35



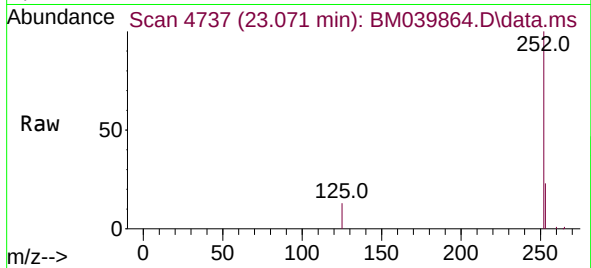
Tgt Ion:252 Resp: 1385599
Ion Ratio Lower Upper
252 100
253 23.0 0.0 52.8
125 12.6 0.0 31.6





#25
Benzo(k)fluoranthene
Concen: 14.275 ng/ul m
RT: 23.071 min Scan# 4736
Delta R.T. 0.001 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35

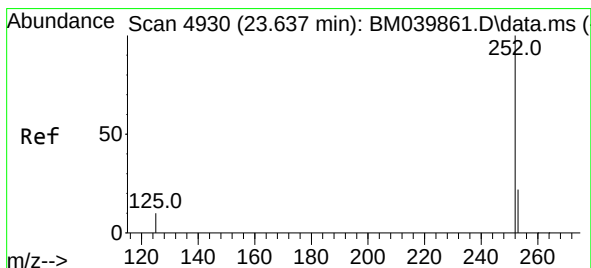
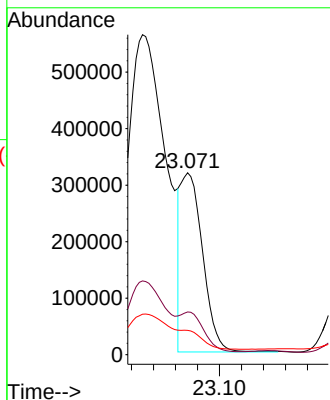
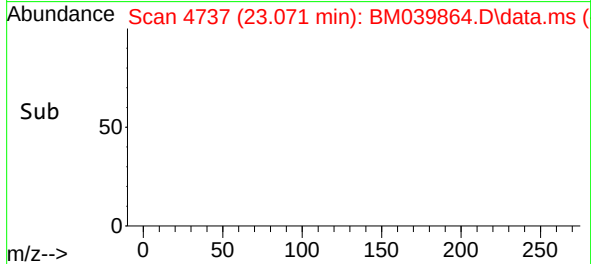
Instrument :
BNA_M
ClientSampleId :
EW943



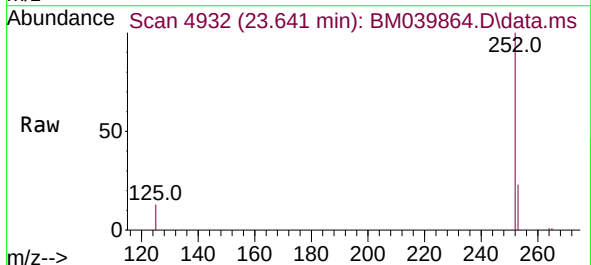
Tgt Ion:252 Resp: 439104
Ion Ratio Lower Upper
252 100
253 23.5 21.3 31.9
125 13.4 13.0 19.6

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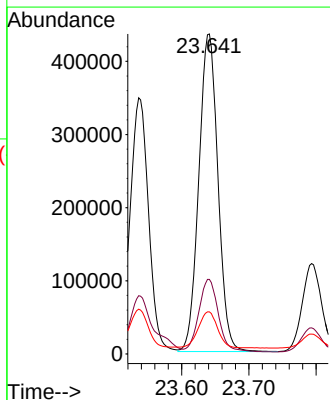
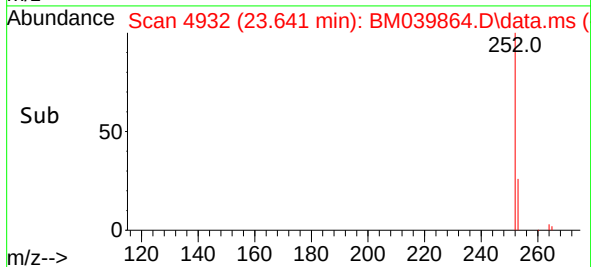
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

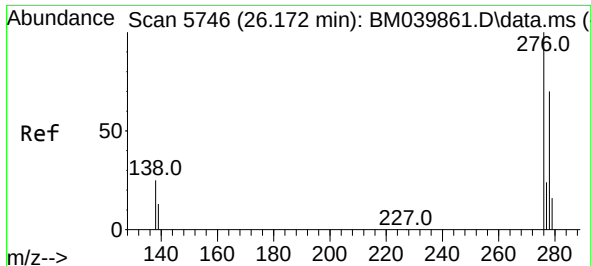


#26
Benzo(a)pyrene
Concen: 31.621 ng/ul
RT: 23.641 min Scan# 4932
Delta R.T. 0.004 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35



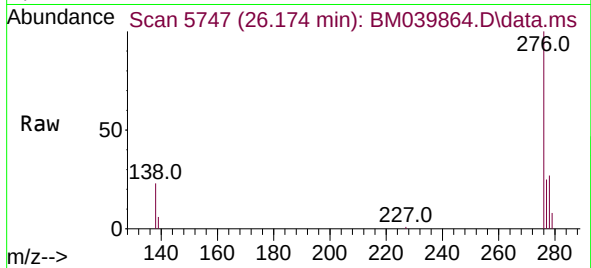
Tgt Ion:252 Resp: 857672
Ion Ratio Lower Upper
252 100
253 23.3 24.7 37.1#
125 13.2 16.5 24.7#





#27
Indeno(1,2,3-cd)pyrene
Concen: 17.379 ng/ul
RT: 26.174 min Scan# 5746
Delta R.T. 0.002 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35

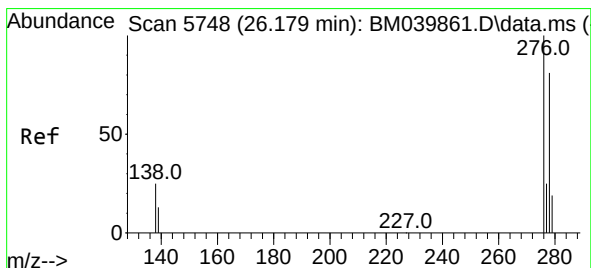
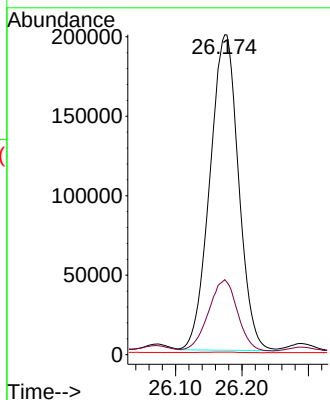
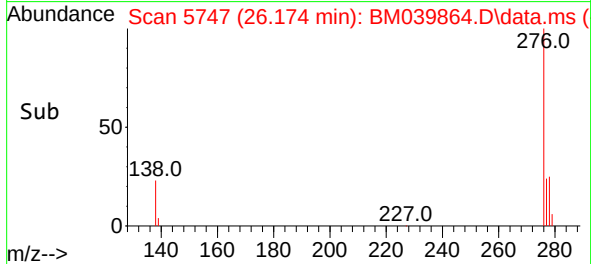
Instrument :
BNA_M
ClientSampleId :
EW943



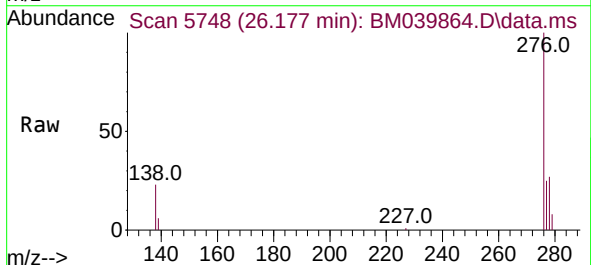
Tgt Ion:276 Resp: 596030
Ion Ratio Lower Upper
276 100
138 22.6 21.1 31.7
227 0.2 0.1 0.1

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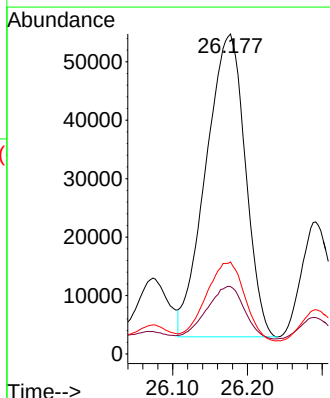
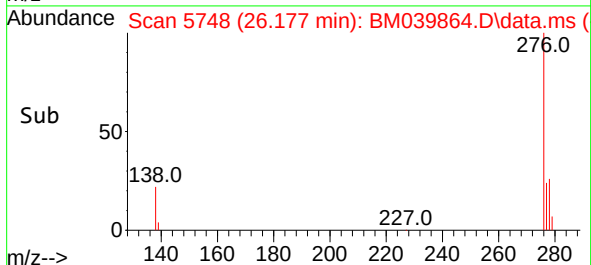
Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

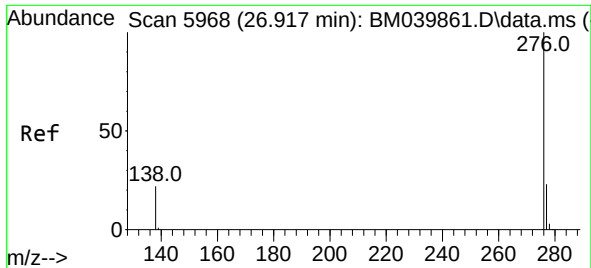


#28
Dibenzo(a,h)anthracene
Concen: 7.132 ng/ul
RT: 26.177 min Scan# 5748
Delta R.T. -0.002 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35



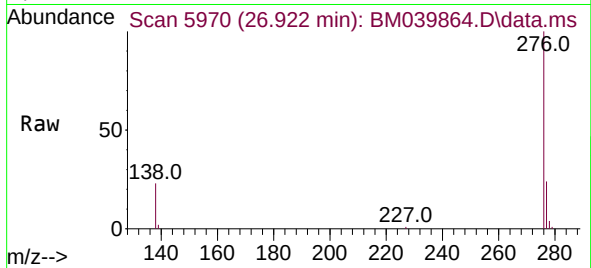
Tgt Ion:278 Resp: 189860
Ion Ratio Lower Upper
278 100
139 21.0 17.0 25.6
279 28.8 23.4 35.2





#29
Benzo(g,h,i)perylene
Concen: 17.422 ng/ul
RT: 26.922 min Scan# 5968
Delta R.T. 0.005 min
Lab File: BM039864.D
Acq: 08 May 2023 11:35

Instrument :
BNA_M
ClientSampleId :
EW943



Tgt Ion:276 Resp: 52065
Ion Ratio Lower Upper
276 100
138 23.5 20.1 30.1
277 24.5 20.1 30.1

Manual Integrations
APPROVED

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

