

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043103.D
 Acq On : 01 Dec 2023 02:43
 Operator : MA/JU
 Sample : 05459-21
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/04/2023

Quant Time: Dec 01 04:18:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.809	152	873	0.400	ng/ul	#-0.05
4) Naphthalene-d8	10.605	136	2393	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.450	164	1329m	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.208	188	2664	0.400	ng/ul	-0.02
17) Chrysene-d12	21.397	240	2057	0.400	ng/ul	#-0.01
23) Perylene-d12	23.744	264	2924m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	2154	1.608	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.222	152	775	0.242	ng/ul	-0.01
18) Fluoranthene-d10	19.233	212	1787	0.238	ng/ul	-0.02
Target Compounds						
						Qvalue
5) Naphthalene	10.660	128	1089	0.167	ng/ul	96
7) 2-Methylnaphthalene	12.299	142	213	0.056	ng/ul	94
8) 1-Methylnaphthalene	12.508	142	169	0.040	ng/ul	100
10) Acenaphthylene	14.177	152	1905	0.281	ng/ul	99
12) Fluorene	15.509	166	391	0.074	ng/ul#	92
15) Phenanthrene	17.246	178	16265	2.140	ng/ul	93
16) Anthracene	17.343	178	5889	0.818	ng/ul	94
19) Fluoranthene	19.266	202	39464	3.384	ng/ul#	90
20) Pyrene	19.628	202	32567	2.626	ng/ul#	93
21) Benzo(a)anthracene	21.383	228	14772	2.213	ng/ul	95
22) Chrysene	21.435	228	13548	1.090	ng/ul	97
24) Benzo(b)fluoranthene	23.019	252	17644	1.788	ng/ul	83
25) Benzo(k)fluoranthene	23.063	252	7932m	0.584	ng/ul	
26) Benzo(a)pyrene	23.630	252	11875	1.103	ng/ul#	74
27) Indeno(1,2,3-cd)pyrene	26.188	276	10309	0.707	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.195	278	2240	0.199	ng/ul	98
29) Benzo(g,h,i)perylene	26.956	276	7429	0.524	ng/ul	92

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

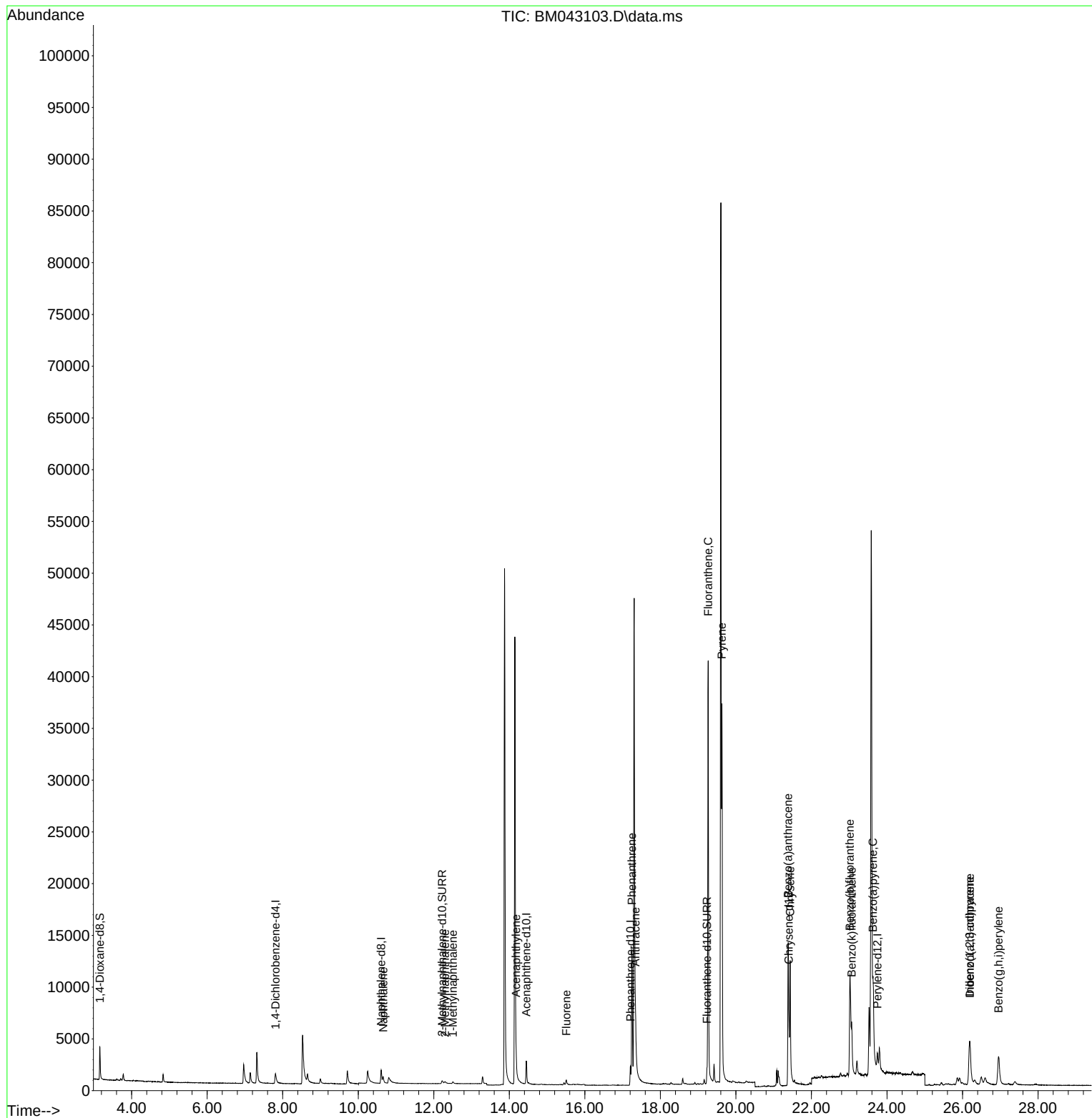
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043103.D
Acq On : 01 Dec 2023 02:43
Operator : MA/JU
Sample : 05459-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

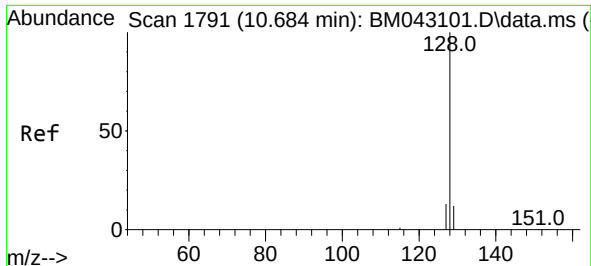
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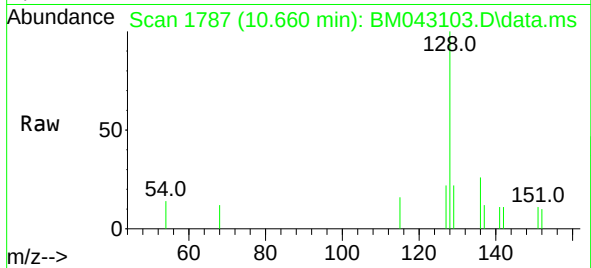
Quant Time: Dec 01 04:18:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:42:42 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.167 ng/ul
RT: 10.660 min Scan# 1787
Delta R.T. -0.029 min
Lab File: BM043103.D
Acq: 01 Dec 2023 02:43

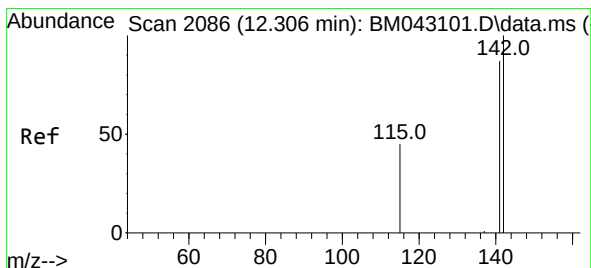
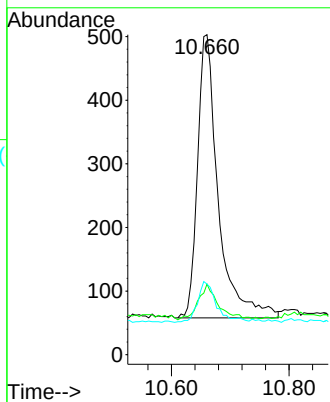
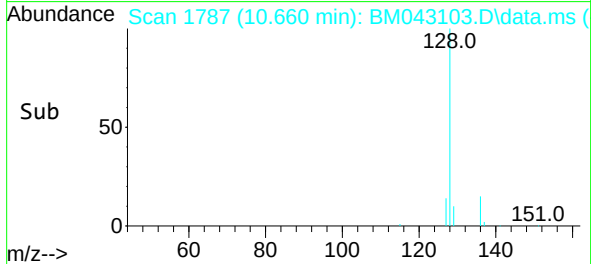
Instrument :
BNA_M
ClientSampleId :
C0AA9



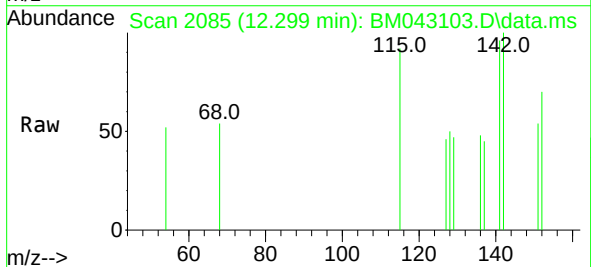
Tgt Ion:128 Resp: 1089
Ion Ratio Lower Upper
128 100
129 22.1 16.0 24.0
127 22.1 16.5 24.7

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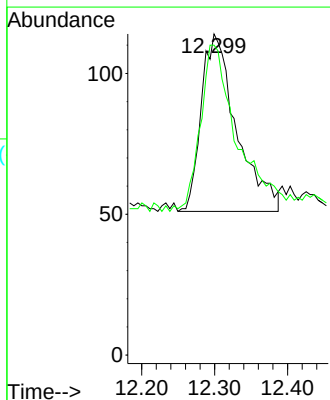
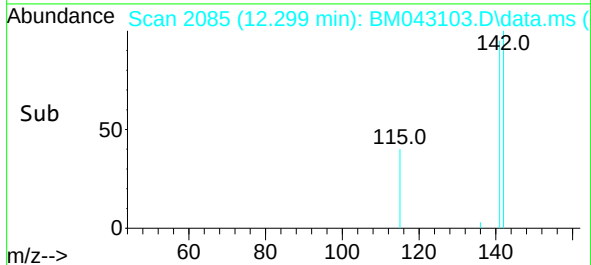
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023

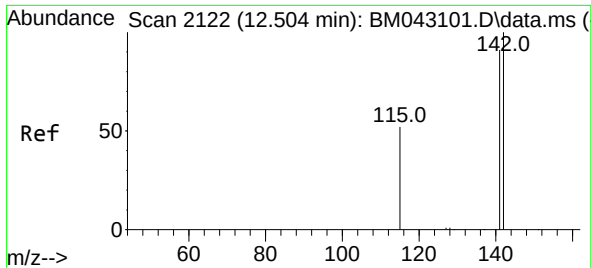


#7
2-Methylnaphthalene
Concen: 0.056 ng/ul
RT: 12.299 min Scan# 2085
Delta R.T. -0.012 min
Lab File: BM043103.D
Acq: 01 Dec 2023 02:43



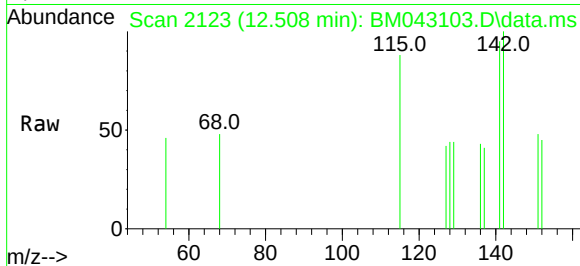
Tgt Ion:142 Resp: 213
Ion Ratio Lower Upper
142 100
141 100.9 76.1 114.1





#8
1-Methylnaphthalene
Concen: 0.040 ng/ul
RT: 12.508 min Scan# 2123
Delta R.T. -0.001 min
Lab File: BM043103.D
Acq: 01 Dec 2023 02:43

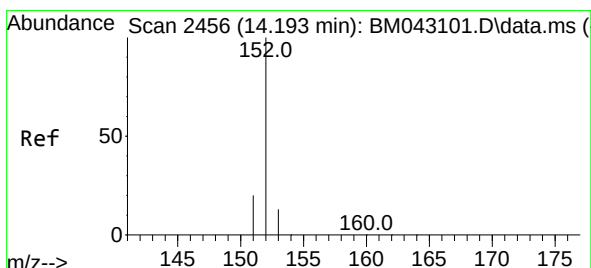
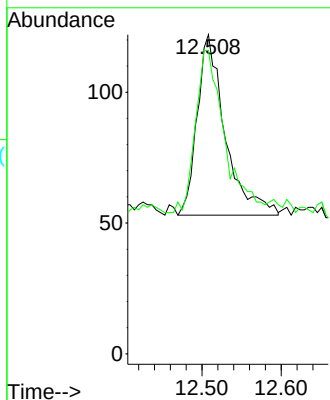
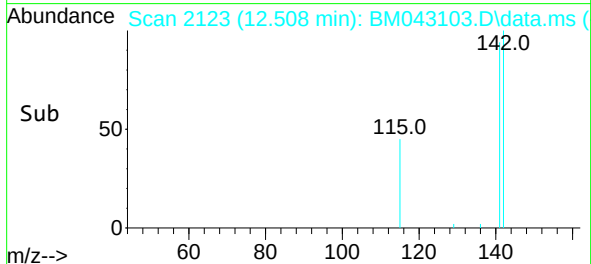
Instrument :
BNA_M
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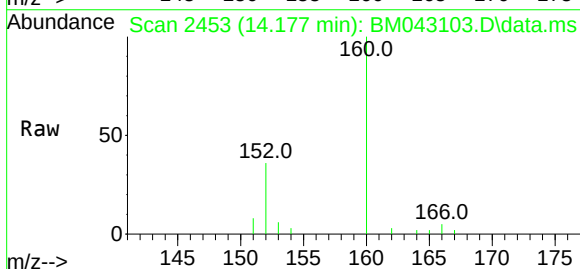
Tgt Ion:142 Resp: 169
Ion Ratio Lower Upper
142 100
141 92.3 73.8 110.8

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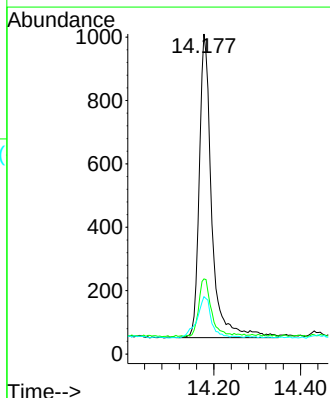
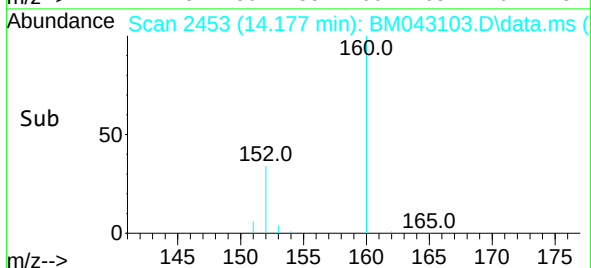
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023

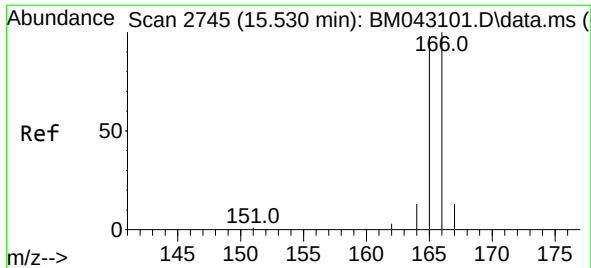


#10
Acenaphthylene
Concen: 0.281 ng/ul
RT: 14.177 min Scan# 2453
Delta R.T. -0.020 min
Lab File: BM043103.D
Acq: 01 Dec 2023 02:43



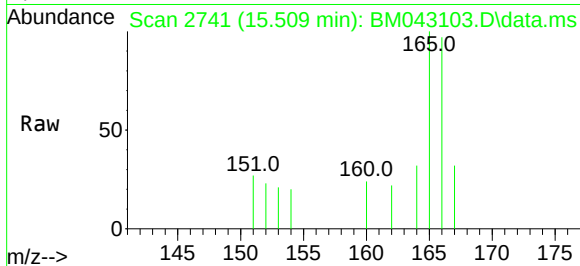
Tgt Ion:152 Resp: 1905
Ion Ratio Lower Upper
152 100
151 23.5 19.4 29.0
153 17.9 14.6 21.8





#12
Fluorene
Concen: 0.074 ng/u1
RT: 15.509 min Scan# 21
Delta R.T. -0.024 min
Lab File: BM043103.D
Acq: 01 Dec 2023 02:43

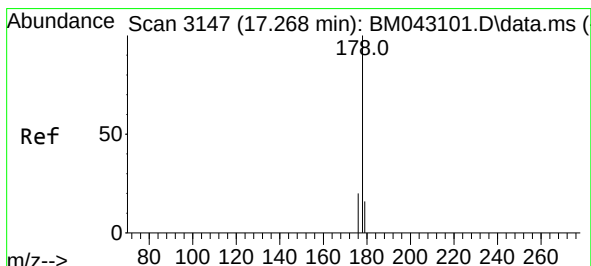
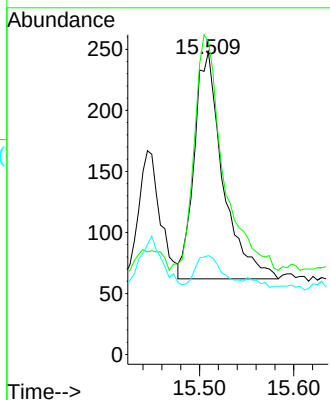
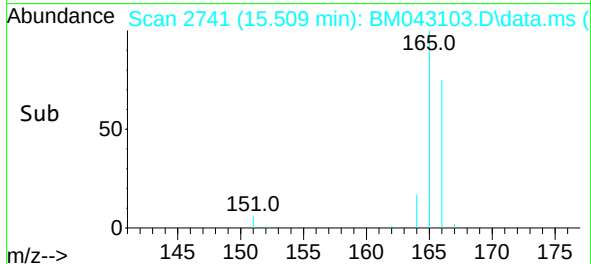
Instrument :
BNA_M
ClientSampleId :
C0AA9



Tgt Ion:166 Resp: 39
Ion Ratio Lower Upper
166 100
165 103.2 79.9 119.9
167 32.7 14.2 21.4

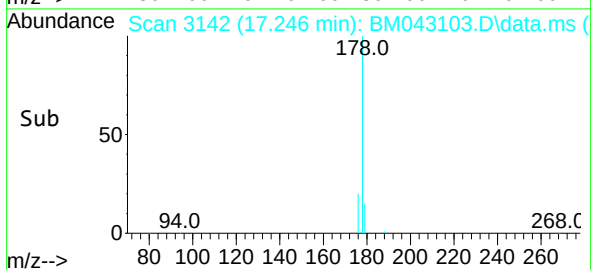
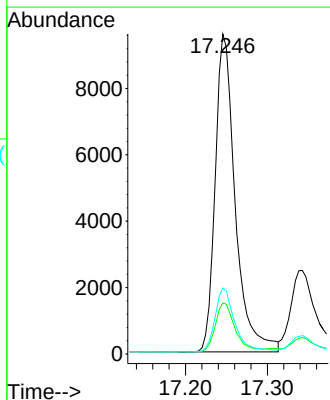
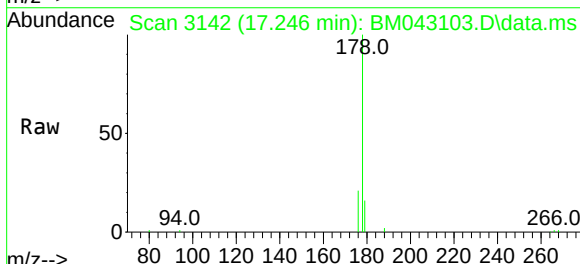
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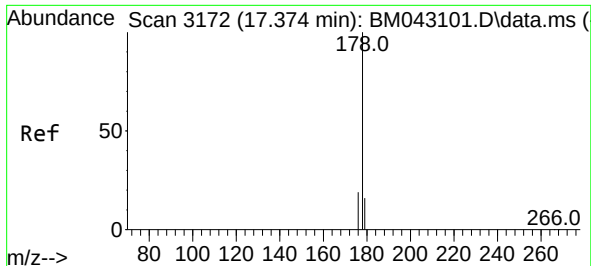
Reviewed By :Yogesh Patel 12/01/2023
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#15
Phenanthrene
Concen: 2.140 ng/u1
RT: 17.246 min Scan# 3142
Delta R.T. -0.026 min
Lab File: BM043103.D
Acq: 01 Dec 2023 02:43

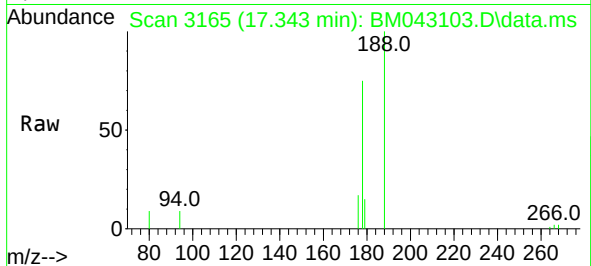
Tgt Ion:178 Resp: 16265
Ion Ratio Lower Upper
178 100
179 15.9 15.7 23.5
176 20.6 18.9 28.3





#16
 Anthracene
 Concen: 0.818 ng/ul
 RT: 17.343 min Scan# 3172
 Delta R.T. -0.035 min
 Lab File: BM043103.D
 Acq: 01 Dec 2023 02:43

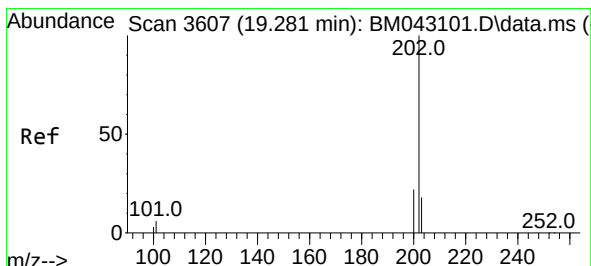
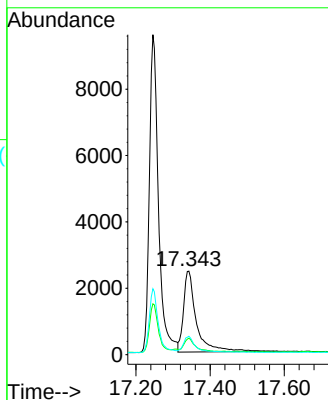
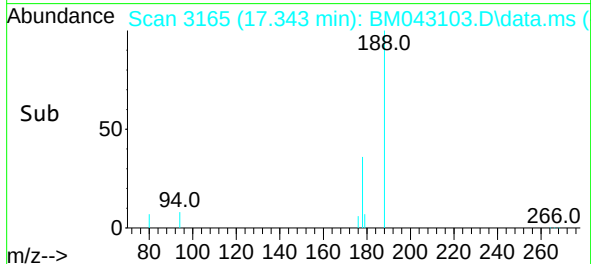
Instrument :
 BNA_M
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 C0AA9



Tgt Ion:178 Resp: 5889
 Ion Ratio Lower Upper
 178 100
 179 19.8 17.3 25.9
 176 22.1 20.5 30.7

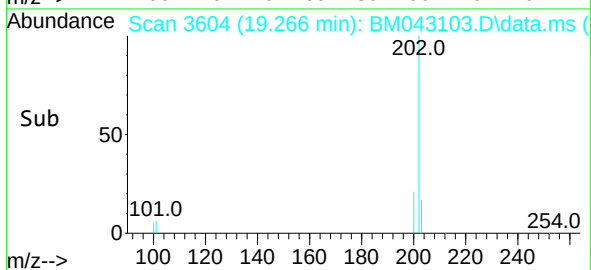
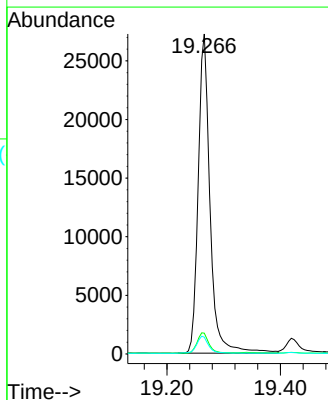
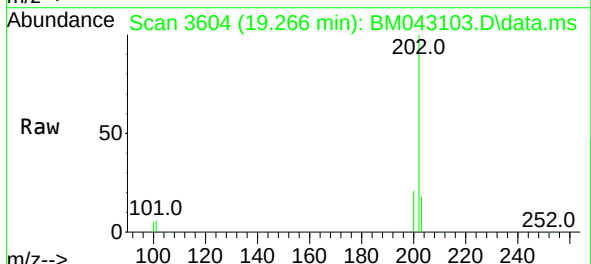
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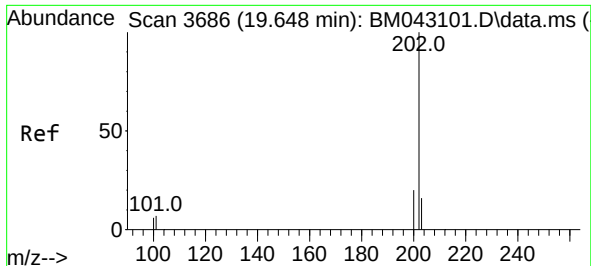
Reviewed By :Yogesh Patel 12/01/2023
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#19
 Fluoranthene
 Concen: 3.384 ng/ul
 RT: 19.266 min Scan# 3604
 Delta R.T. -0.015 min
 Lab File: BM043103.D
 Acq: 01 Dec 2023 02:43

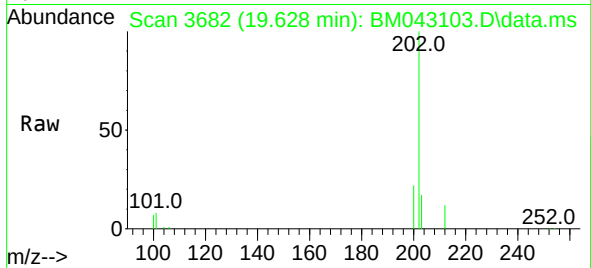
Tgt Ion:202 Resp: 39464
 Ion Ratio Lower Upper
 202 100
 101 6.5 7.8 11.8#
 100 5.2 7.1 10.7#





#20
Pyrene
Concen: 2.626 ng/ul
RT: 19.628 min Scan# 30
Delta R.T. -0.020 min
Lab File: BM043103.D
Acq: 01 Dec 2023 02:43

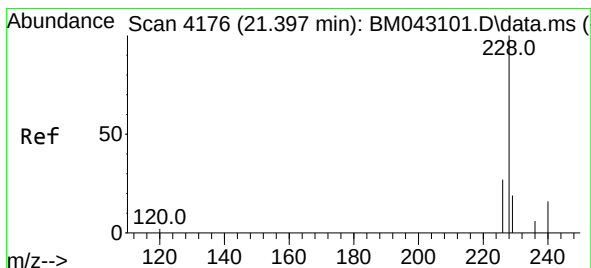
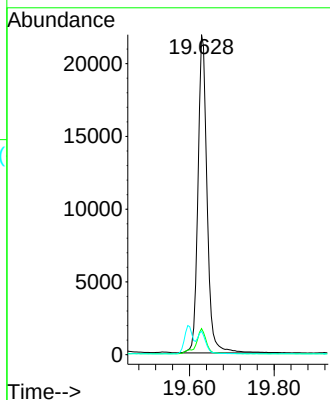
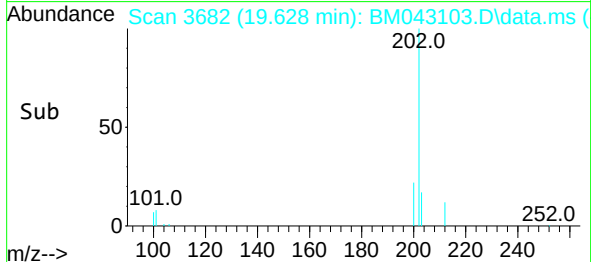
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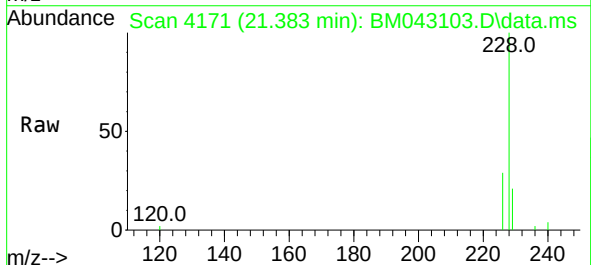
Tgt Ion:202 Resp: 3256
Ion Ratio Lower Upper
202 100
101 8.2 8.7 13.1
100 7.4 7.8 11.8

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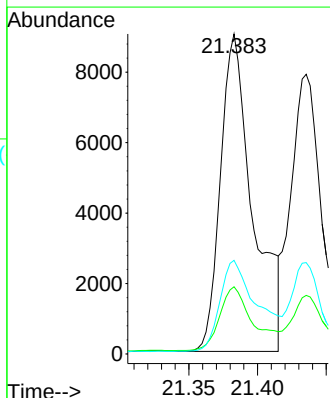
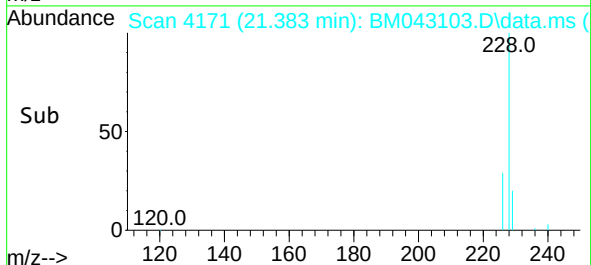
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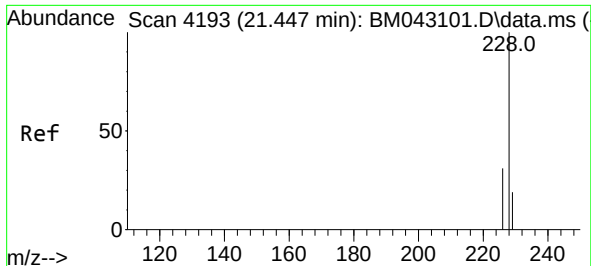


#21
Benzo(a)anthracene
Concen: 2.213 ng/ul
RT: 21.383 min Scan# 4171
Delta R.T. -0.017 min
Lab File: BM043103.D
Acq: 01 Dec 2023 02:43



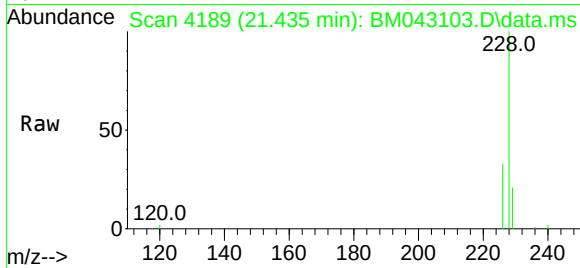
Tgt Ion:228 Resp: 14772
Ion Ratio Lower Upper
228 100
229 21.0 19.4 29.0
226 29.3 24.9 37.3





#22
Chrysene
Concen: 1.090 ng/ul
RT: 21.435 min Scan# 4193
Delta R.T. -0.014 min
Lab File: BM043103.D
Acq: 01 Dec 2023 02:43

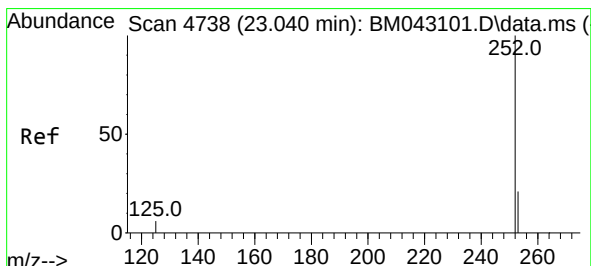
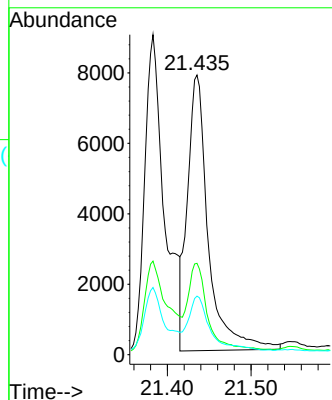
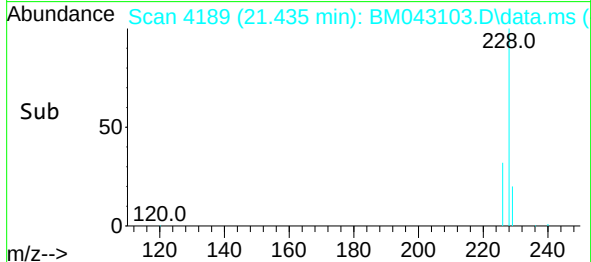
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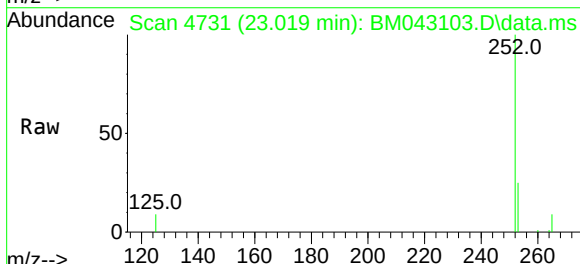
Tgt Ion:228 Resp: 13548
Ion Ratio Lower Upper
228 100
226 32.7 27.2 40.8
229 20.9 18.0 27.0

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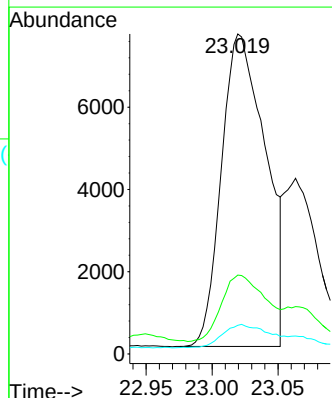
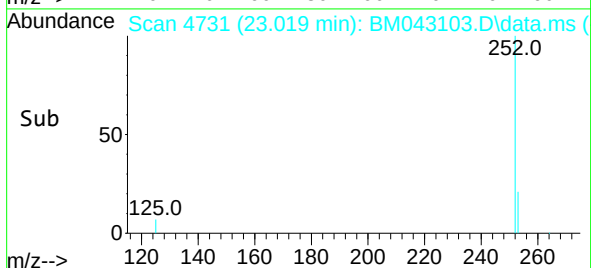
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023

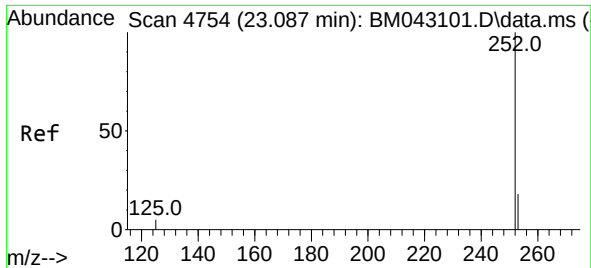


#24
Benzo(b)fluoranthene
Concen: 1.788 ng/ul
RT: 23.019 min Scan# 4731
Delta R.T. -0.017 min
Lab File: BM043103.D
Acq: 01 Dec 2023 02:43



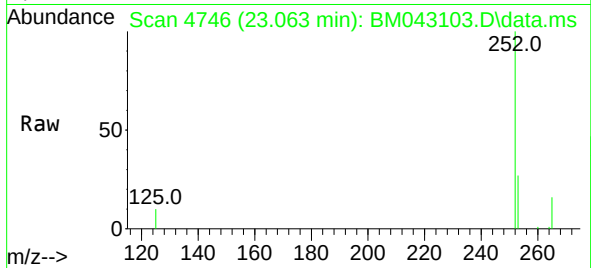
Tgt Ion:252 Resp: 17644
Ion Ratio Lower Upper
252 100
253 24.7 0.0 71.8
125 9.0 0.0 29.0





#25
Benzo(k)fluoranthene
Concen: 0.584 ng/ul m
RT: 23.063 min Scan# 4754
Delta R.T. -0.026 min
Lab File: BM043103.D
Acq: 01 Dec 2023 02:43

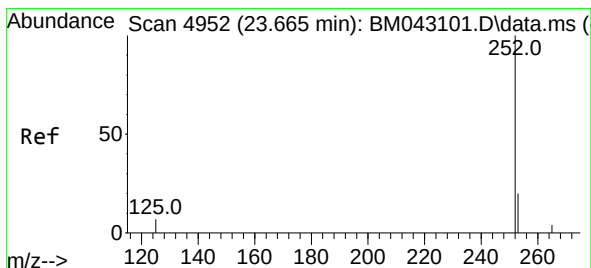
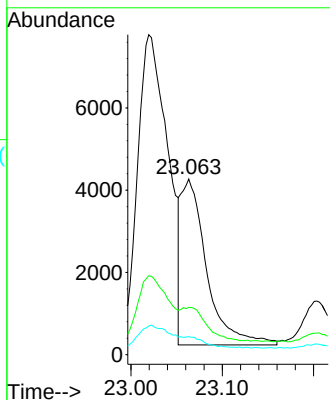
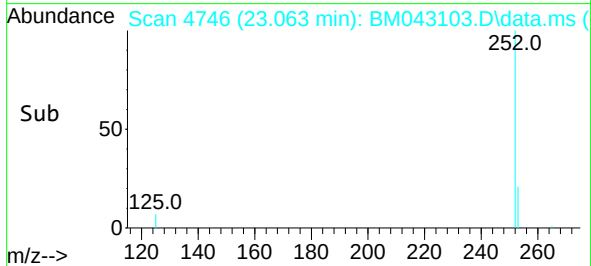
Instrument :
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ClientSampleId :
C0AA9



Tgt Ion:252 Resp: 7932
Ion Ratio Lower Upper
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253 27.0 28.2 42.2#
125 10.2 11.0 16.6#

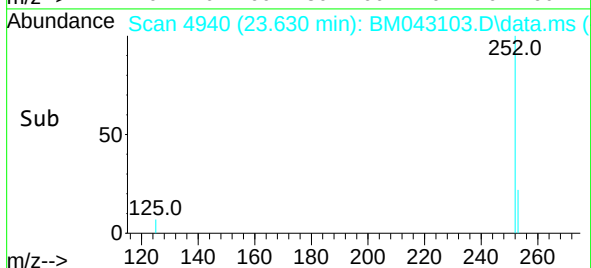
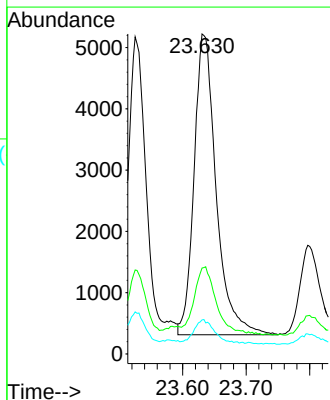
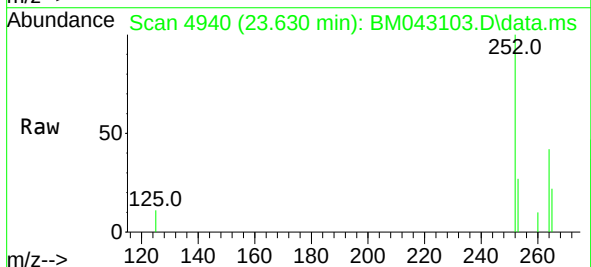
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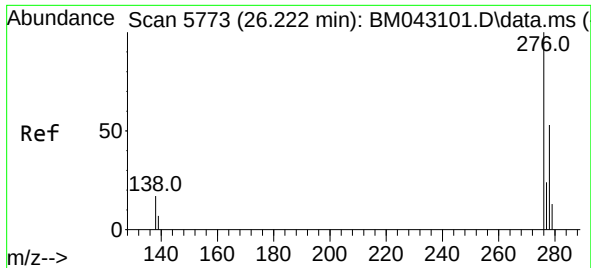
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



#26
Benzo(a)pyrene
Concen: 1.103 ng/ul
RT: 23.630 min Scan# 4940
Delta R.T. -0.037 min
Lab File: BM043103.D
Acq: 01 Dec 2023 02:43

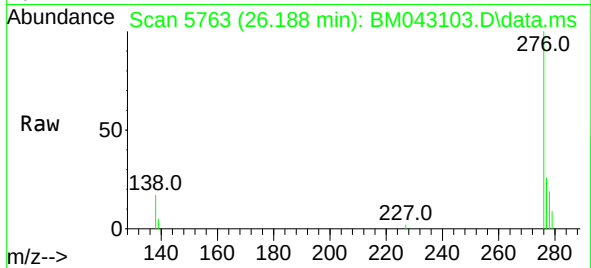
Tgt Ion:252 Resp: 11875
Ion Ratio Lower Upper
252 100
253 26.8 36.6 55.0#
125 10.6 16.2 24.4#





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.707 ng/ul
RT: 26.188 min Scan# 5763
Delta R.T. -0.040 min
Lab File: BM043103.D
Acq: 01 Dec 2023 02:43

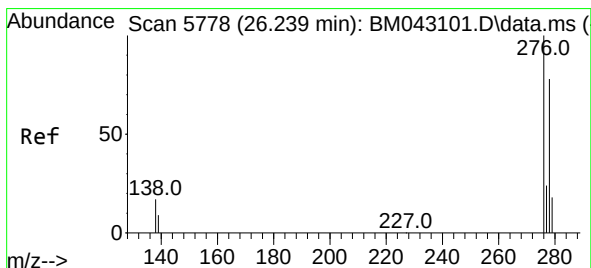
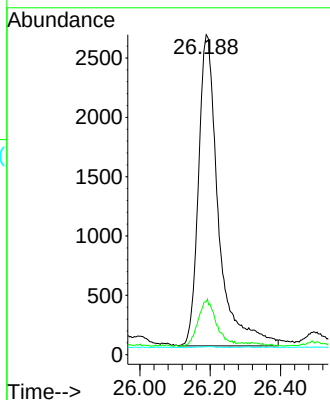
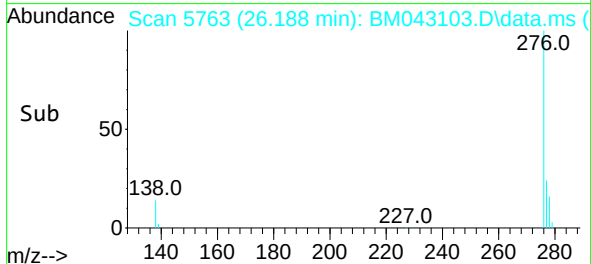
Instrument :
BNA_M
ClientSampleId :
C0AA9



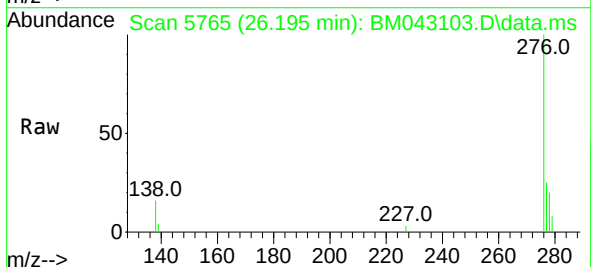
Tgt Ion:276 Resp: 10309
Ion Ratio Lower Upper
276 100
138 13.7 0.0 0.0
227 0.1 0.2 0.2

Manual Integrations
APPROVED

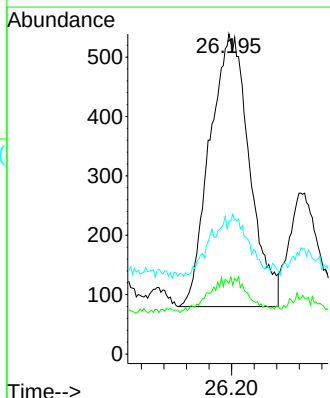
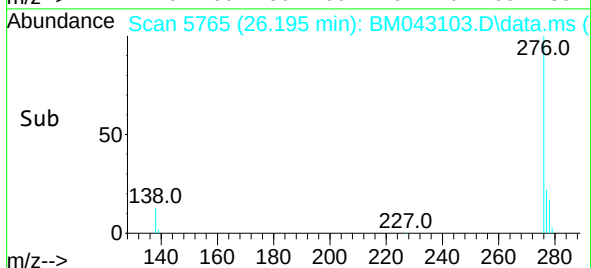
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023

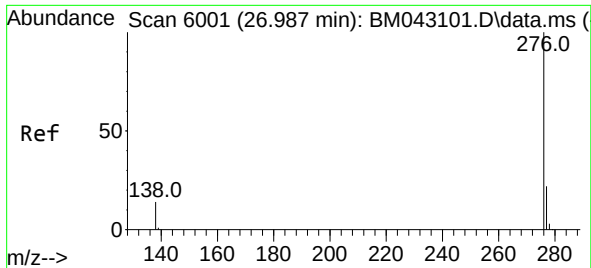


#28
Dibenzo(a,h)anthracene
Concen: 0.199 ng/ul
RT: 26.195 min Scan# 5765
Delta R.T. -0.053 min
Lab File: BM043103.D
Acq: 01 Dec 2023 02:43



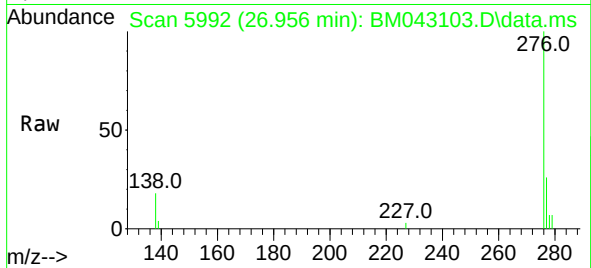
Tgt Ion:278 Resp: 2240
Ion Ratio Lower Upper
278 100
139 22.1 18.1 27.1
279 41.6 34.4 51.6





#29
 Benzo(g,h,i)perylene
 Concen: 0.524 ng/ul
 RT: 26.956 min Scan# 5992
 Delta R.T. -0.030 min
 Lab File: BM043103.D
 Acq: 01 Dec 2023 02:43

Instrument :
 BNA_M
 ClientSampleId :
 C0AA9



Tgt Ion:	276	Resp:	7429
Ion Ratio	Lower	Upper	
276	100		
138	18.3	17.8	26.8
277	25.9	23.8	35.8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/04/2023

