

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
 Data File : BM043078.D
 Acq On : 28 Nov 2023 18:57
 Operator : MA/JU
 Sample : 05416-19
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :mohammad ahmed 11/29/2023

Quant Time: Nov 28 23:39:24 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 : Mon Nov 27 02:36:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.813	152	1005m	0.400	ng/ul	-0.07
4) Naphthalene-d8	10.612	136	2882	0.400	ng/ul	#-0.04
9) Acenaphthene-d10	14.451	164	1675m	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.209	188	3319	0.400	ng/ul	-0.03
17) Chrysene-d12	21.403	240	2388	0.400	ng/ul	-0.02
23) Perylene-d12	23.750	264	2245m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.159	96	1575	1.021	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.218	152	609	0.158	ng/ul	-0.03
18) Fluoranthene-d10	19.239	212	1403	0.161	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.661	128	536	0.068	ng/ul#	82
7) 2-Methylnaphthalene	12.295	142	513	0.111	ng/ul	85
8) 1-Methylnaphthalene	12.504	142	355	0.069	ng/ul	97
10) Acenaphthylene	14.178	152	381	0.045	ng/ul#	62
11) Acenaphthene	14.516	153	142	0.022	ng/ul#	89
12) Fluorene	15.510	166	189	0.028	ng/ul#	89
15) Phenanthrene	17.251	178	3051	0.322	ng/ul	98
16) Anthracene	17.344	178	787m	0.088	ng/ul	
19) Fluoranthene	19.267	202	7477	0.552	ng/ul#	95
20) Pyrene	19.629	202	6828	0.474	ng/ul	98
21) Benzo(a)anthracene	21.388	228	3409	0.440	ng/ul	99
22) Chrysene	21.438	228	3203	0.222	ng/ul	99
24) Benzo(b)fluoranthene	23.028	252	4105	0.542	ng/ul	97
25) Benzo(k)fluoranthene	23.068	252	1875m	0.180	ng/ul	
26) Benzo(a)pyrene	23.639	252	2302	0.278	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	26.218	276	1860	0.166	ng/ul#	100
29) Benzo(g,h,i)perylene	26.976	276	1688	0.155	ng/ul#	87

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

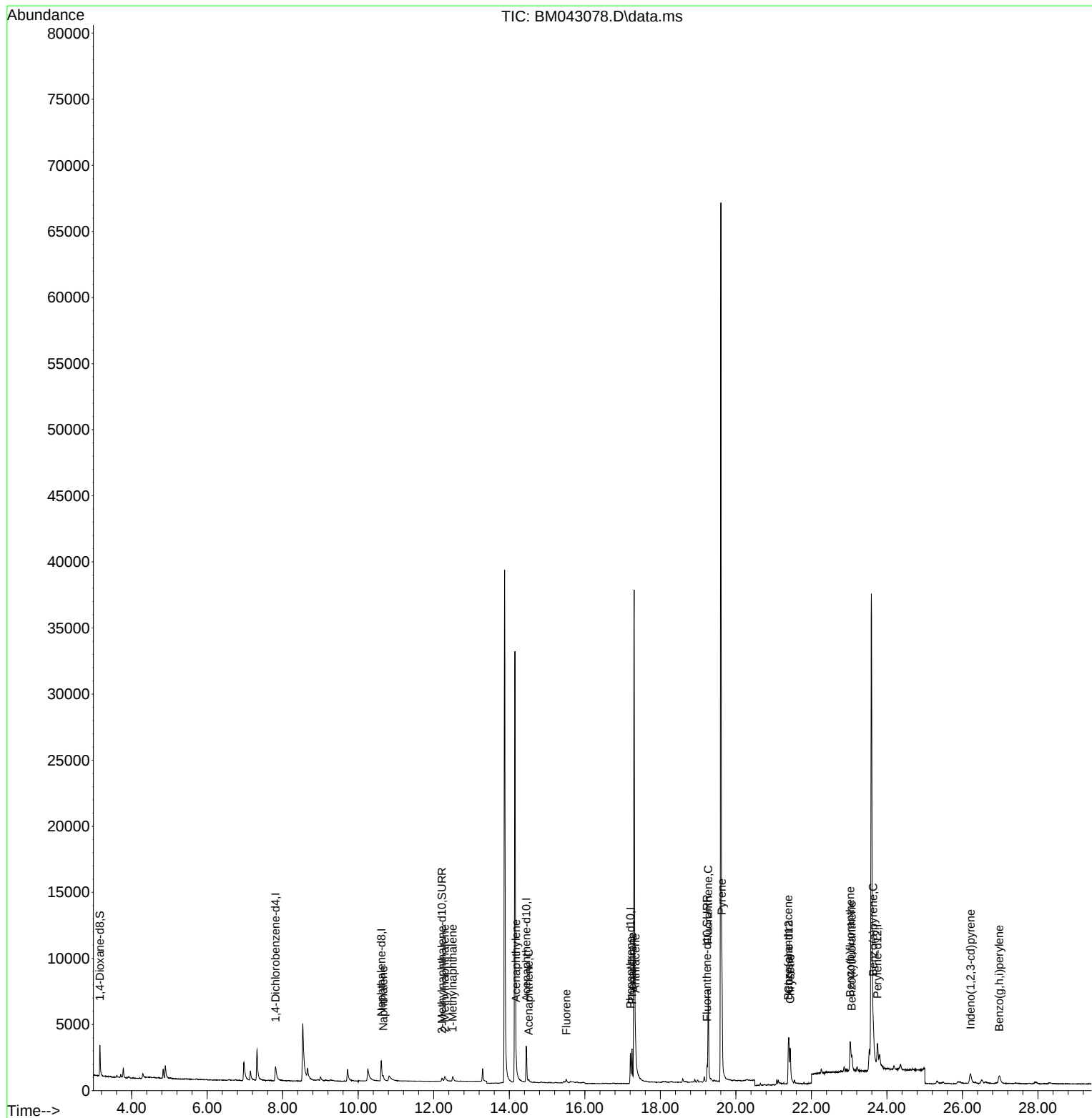
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
Data File : BM043078.D
Acq On : 28 Nov 2023 18:57
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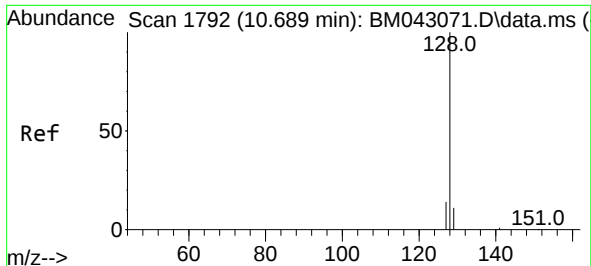
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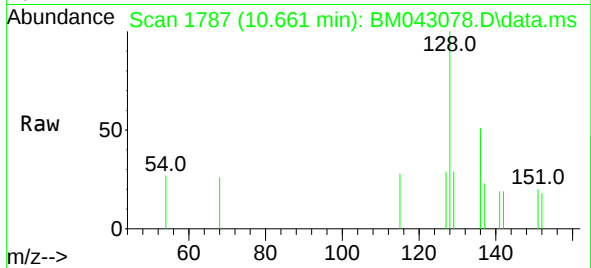
Quant Time: Nov 28 23:39:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 27 02:36:19 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.068 ng/ul
RT: 10.661 min Scan# 1787
Delta R.T. -0.037 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

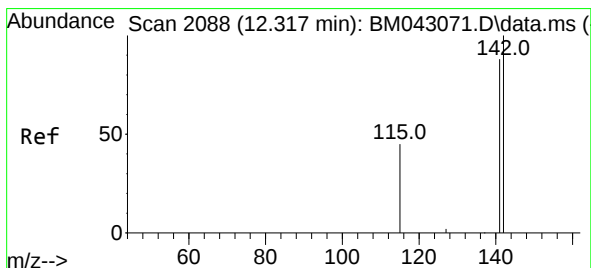
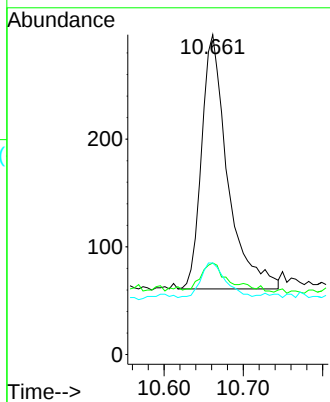
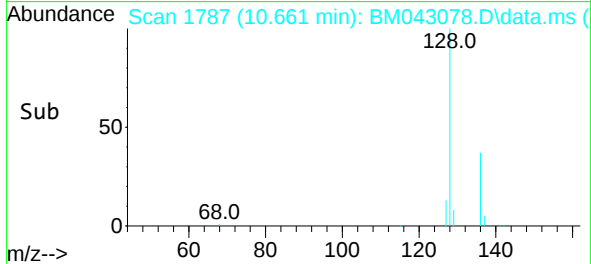
Instrument :
BNA_M
ClientSampleId :
C0AJ9



Tgt Ion:128 Resp: 530
Ion Ratio Lower Upper
128 100
129 28.6 16.0 24.0
127 28.6 16.5 24.7

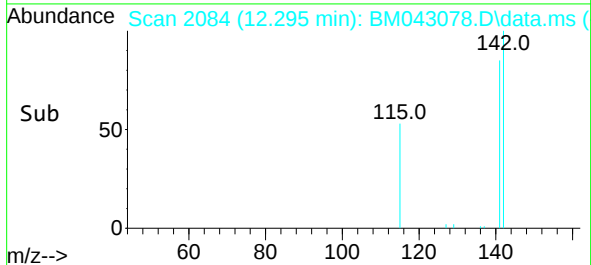
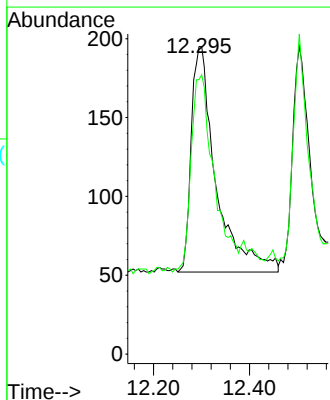
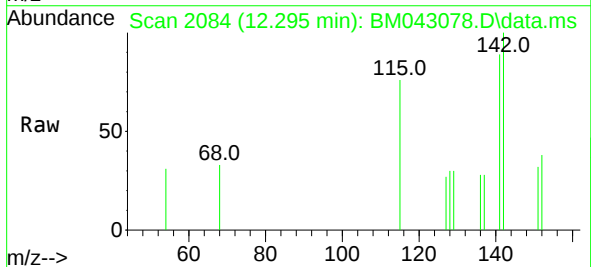
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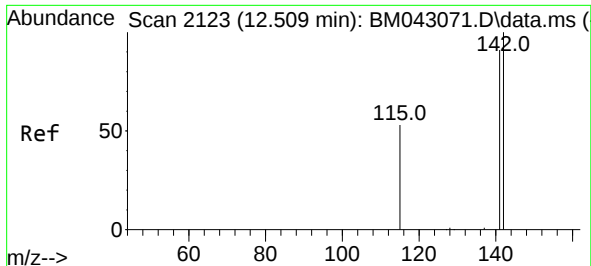
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#7
2-Methylnaphthalene
Concen: 0.111 ng/ul
RT: 12.295 min Scan# 2084
Delta R.T. -0.037 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

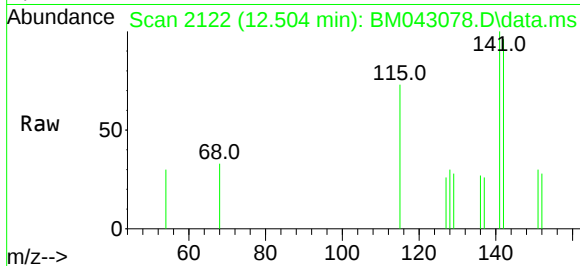
Tgt Ion:142 Resp: 513
Ion Ratio Lower Upper
142 100
141 80.9 76.1 114.1





#8
1-Methylnaphthalene
Concen: 0.069 ng/ul
RT: 12.504 min Scan# 2123
Delta R.T. -0.015 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

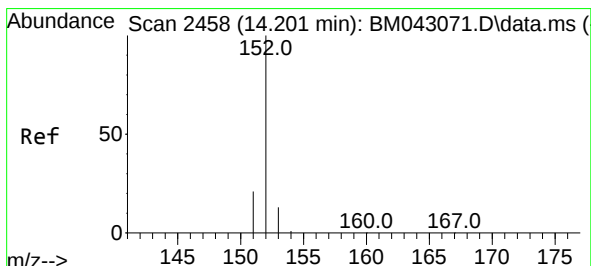
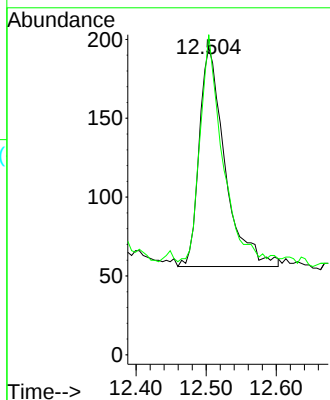
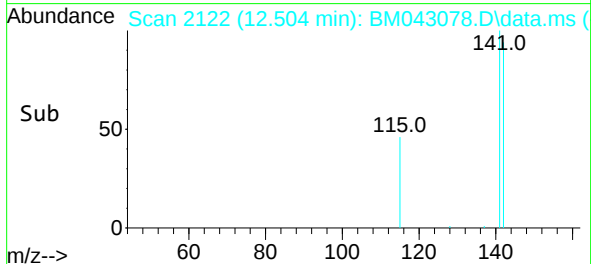
Instrument :
BNA_M
ClientSampleId :
C0AJ9



Tgt Ion:142 Resp: 358
Ion Ratio Lower Upper
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141 89.9 73.8 110.8

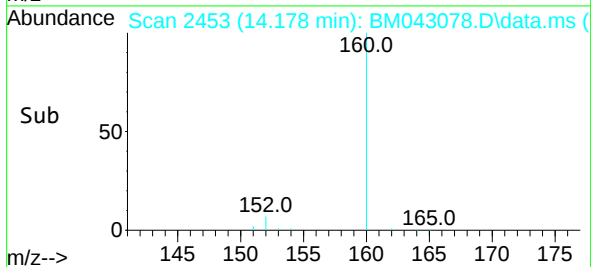
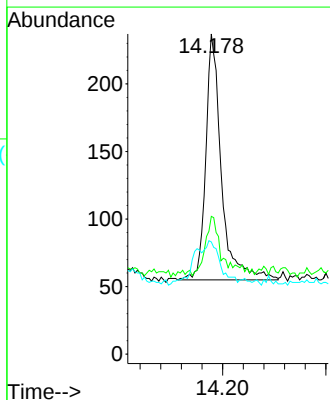
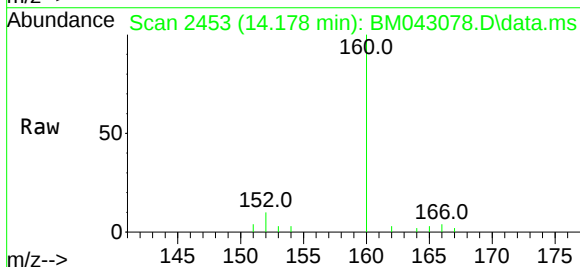
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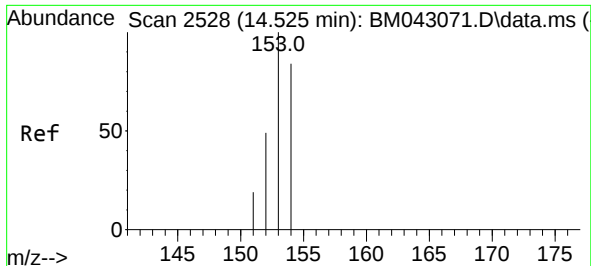
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#10
Acenaphthylene
Concen: 0.045 ng/ul
RT: 14.178 min Scan# 2453
Delta R.T. -0.026 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

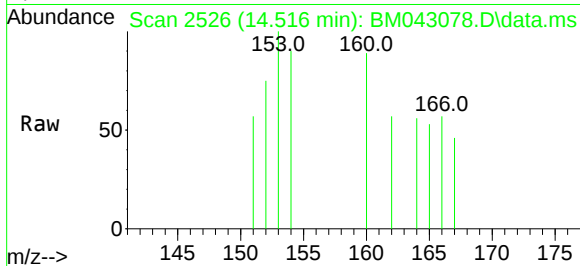
Tgt Ion:152 Resp: 381
Ion Ratio Lower Upper
152 100
151 43.0 19.4 29.0#
153 35.0 14.6 21.8#





#11
Acenaphthene
Concen: 0.022 ng/u1
RT: 14.516 min Scan# 2526
Delta R.T. -0.017 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

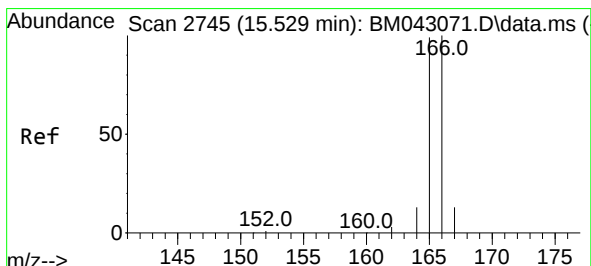
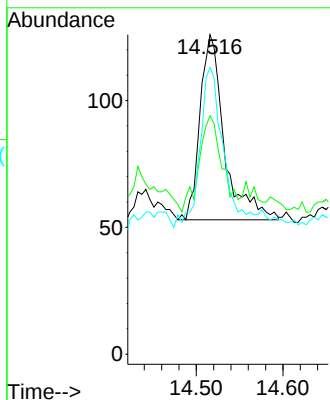
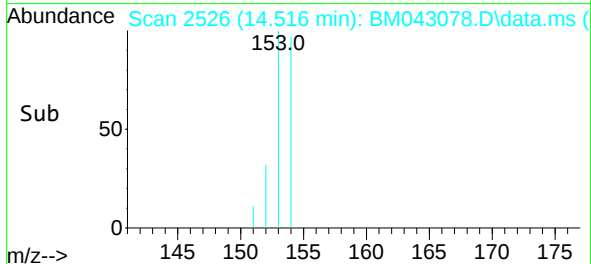
Instrument :
BNA_M
ClientSampleId :
C0AJ9



Tgt Ion:153 Resp: 142
Ion Ratio Lower Upper
153 100
152 74.6 43.9 65.9
154 89.7 70.6 105.8

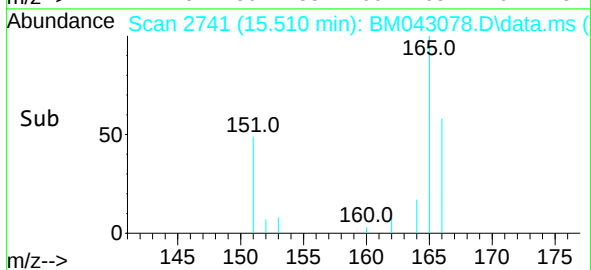
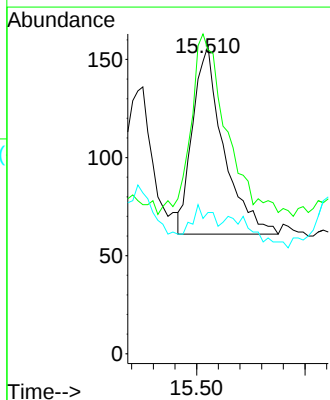
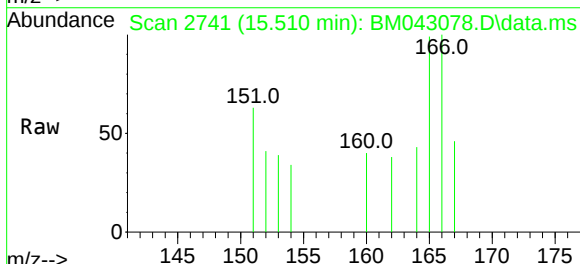
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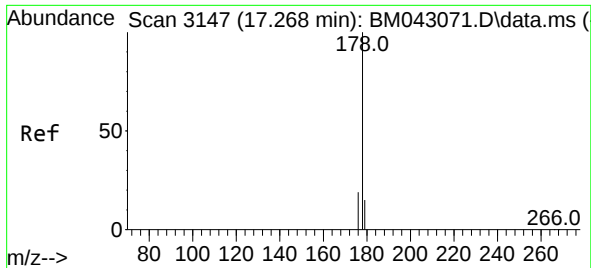
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#12
Fluorene
Concen: 0.028 ng/u1
RT: 15.510 min Scan# 2741
Delta R.T. -0.026 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

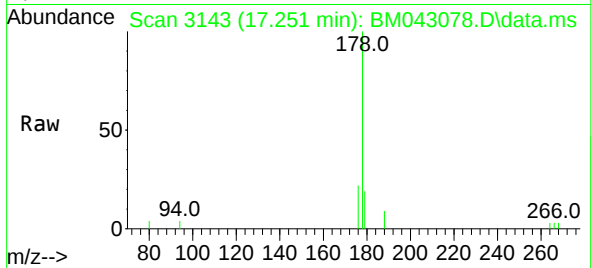
Tgt Ion:166 Resp: 189
Ion Ratio Lower Upper
166 100
165 98.7 79.9 119.9
167 45.9 14.2 21.4#





#15
Phenanthrene
Concen: 0.322 ng/ul
RT: 17.251 min Scan# 3143
Delta R.T. -0.028 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

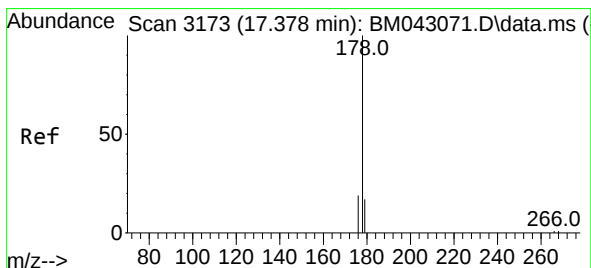
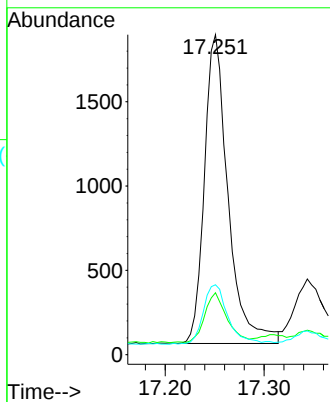
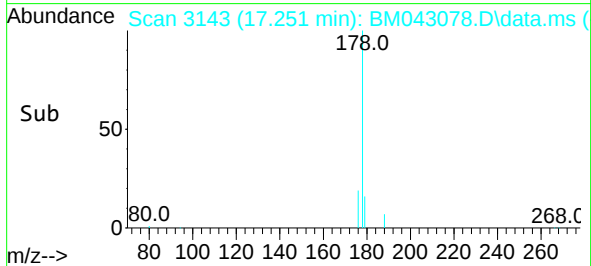
Instrument :
BNA_M
ClientSampleId :
C0AJ9



Tgt Ion:178 Resp: 305
Ion Ratio Lower Upper
178 100
179 19.3 15.7 23.5
176 21.9 18.9 28.3

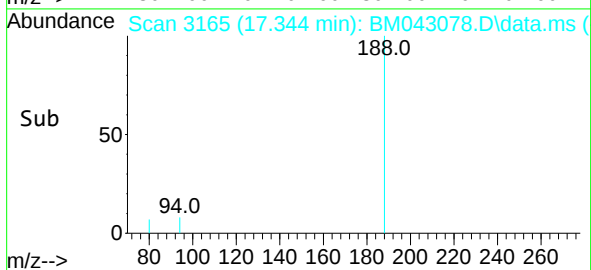
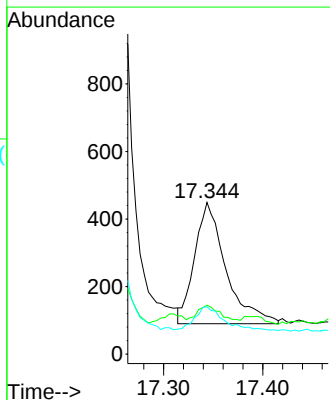
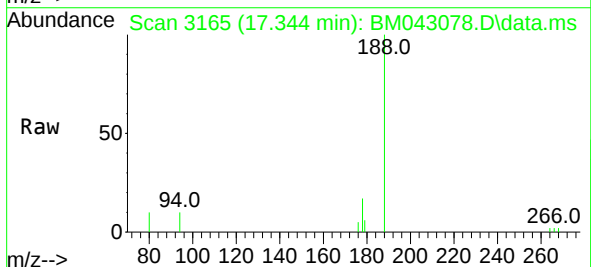
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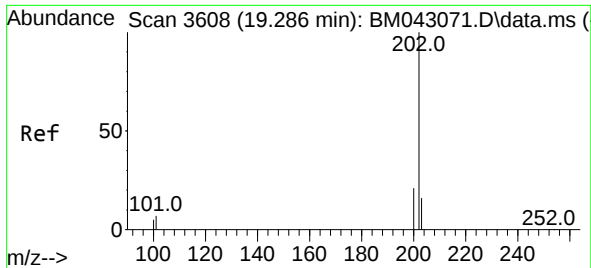
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#16
Anthracene
Concen: 0.088 ng/ul m
RT: 17.344 min Scan# 3165
Delta R.T. -0.049 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

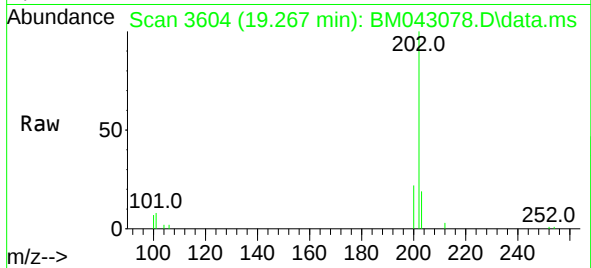
Tgt Ion:178 Resp: 787
Ion Ratio Lower Upper
178 100
179 32.3 17.3 25.9#
176 31.2 20.5 30.7#





#19
Fluoranthene
Concen: 0.552 ng/u1
RT: 19.267 min Scan# 3604
Delta R.T. -0.027 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

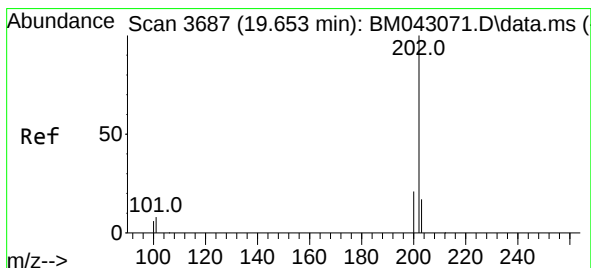
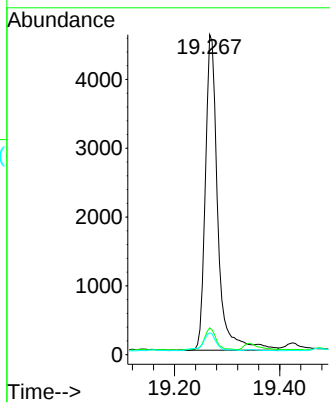
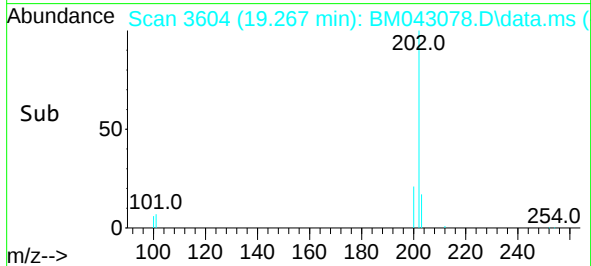
Instrument :
BNA_M
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C0AJ9



Tgt Ion:202 Resp: 747
Ion Ratio Lower Upper
202 100
101 8.4 7.8 11.8
100 6.8 7.1 10.7

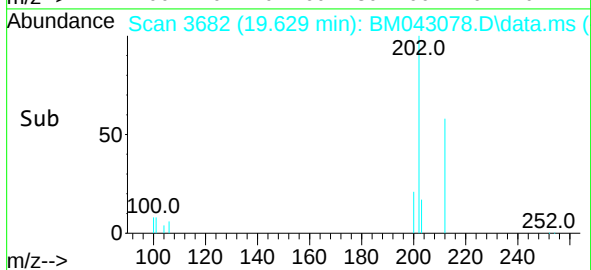
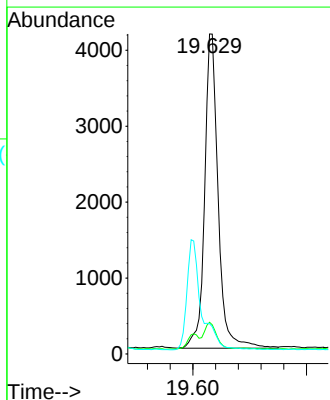
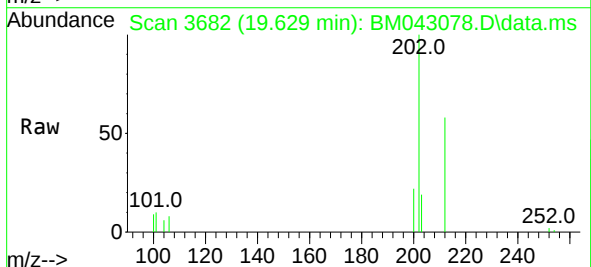
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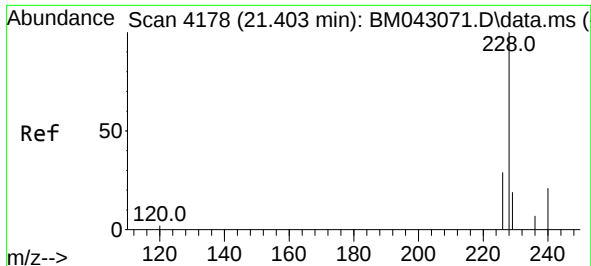
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#20
Pyrene
Concen: 0.474 ng/u1
RT: 19.629 min Scan# 3682
Delta R.T. -0.031 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

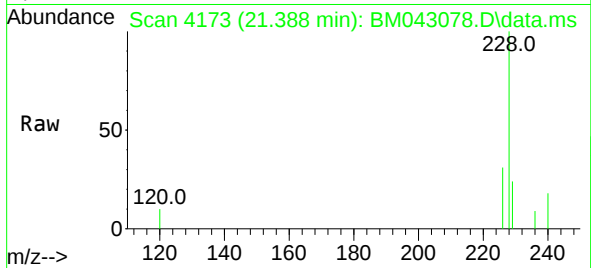
Tgt Ion:202 Resp: 6828
Ion Ratio Lower Upper
202 100
101 9.9 8.7 13.1
100 9.4 7.8 11.8





#21
Benzo(a)anthracene
Concen: 0.440 ng/u1
RT: 21.388 min Scan# 4178
Delta R.T. -0.024 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

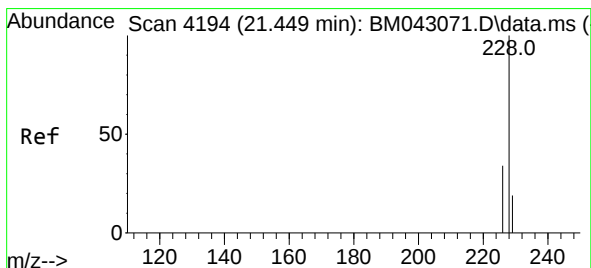
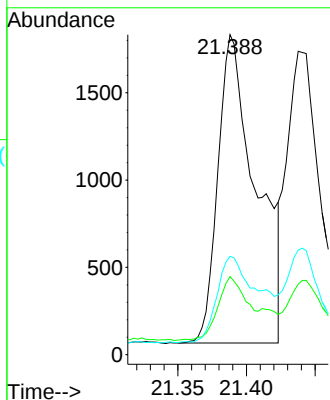
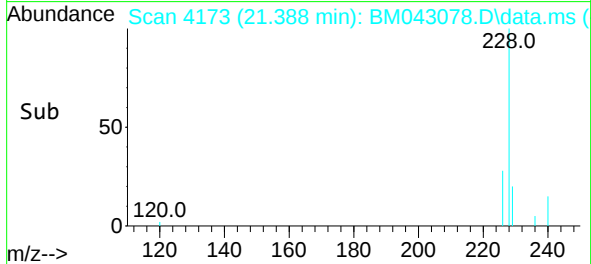
Instrument :
BNA_M
ClientSampleId :
C0AJ9



Tgt Ion:228 Resp: 3409
Ion Ratio Lower Upper
228 100
229 24.4 19.4 29.0
226 30.8 24.9 37.3

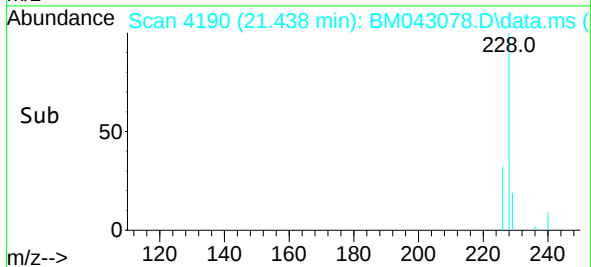
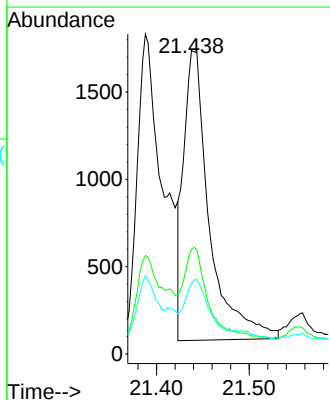
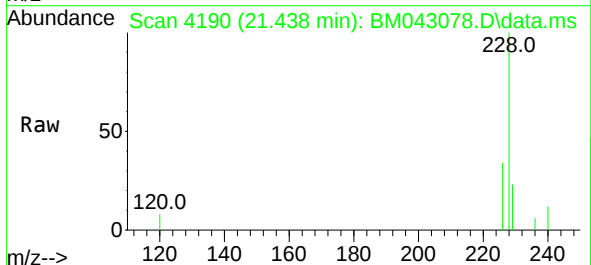
Manual Integrations
APPROVED

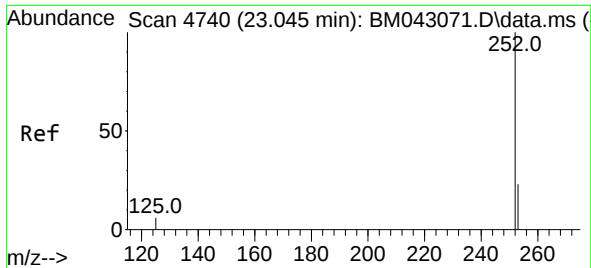
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#22
Chrysene
Concen: 0.222 ng/u1
RT: 21.438 min Scan# 4190
Delta R.T. -0.021 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

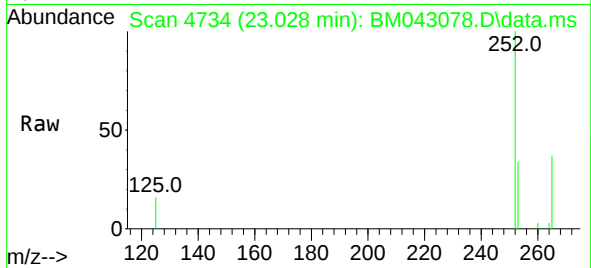
Tgt Ion:228 Resp: 3203
Ion Ratio Lower Upper
228 100
226 34.5 27.2 40.8
229 23.2 18.0 27.0





#24
Benzo(b)fluoranthene
Concen: 0.542 ng/ul
RT: 23.028 min Scan# 41
Delta R.T. -0.024 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

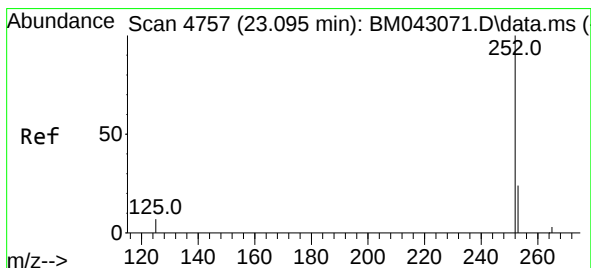
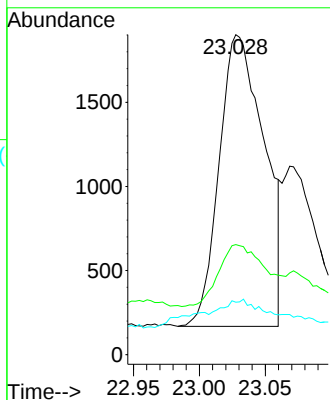
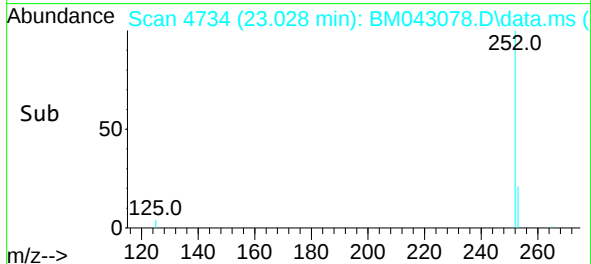
Instrument :
BNA_M
ClientSampleId :
C0AJ9



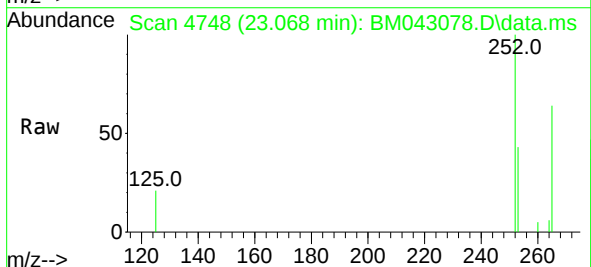
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Ion Ratio Lower Upper
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125 16.4 0.0 29.0

Manual Integrations
APPROVED

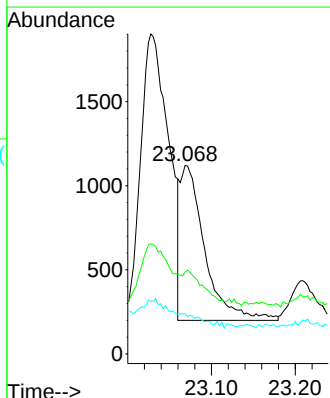
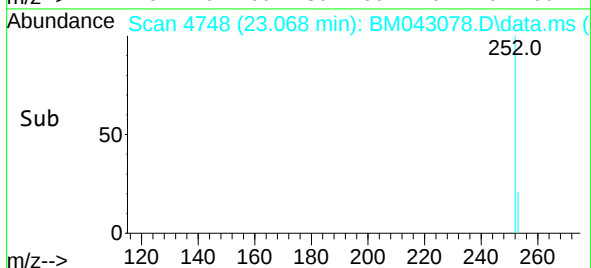
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023

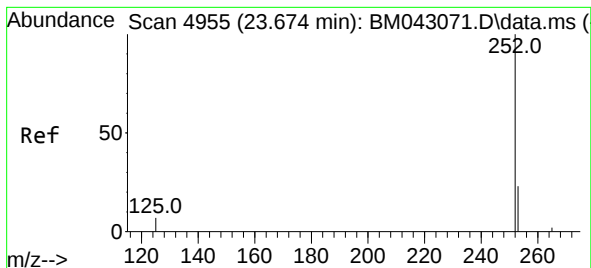


#25
Benzo(k)fluoranthene
Concen: 0.180 ng/ul m
RT: 23.068 min Scan# 4748
Delta R.T. -0.030 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57



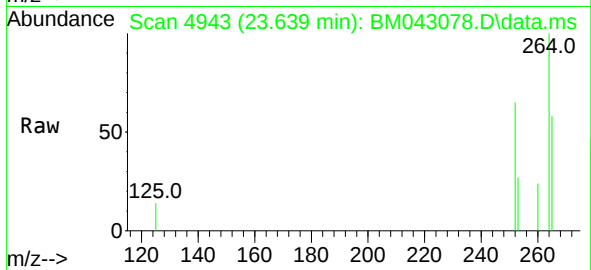
Tgt Ion:252 Resp: 1875
Ion Ratio Lower Upper
252 100
253 43.4 28.2 42.2#
125 21.3 11.0 16.6#





#26
Benzo(a)pyrene
Concen: 0.278 ng/ul
RT: 23.639 min Scan# 4955
Delta R.T. -0.047 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

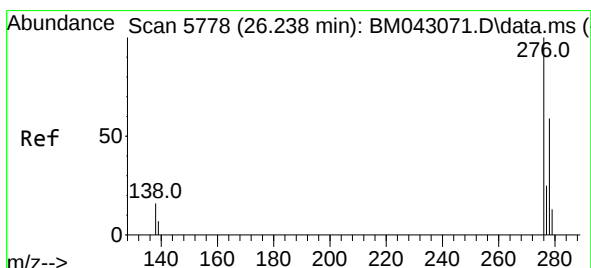
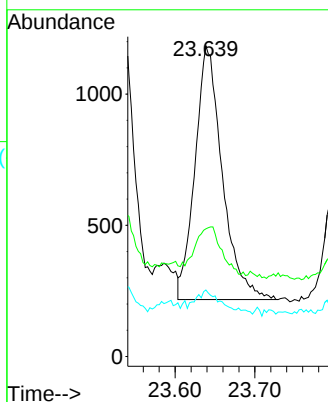
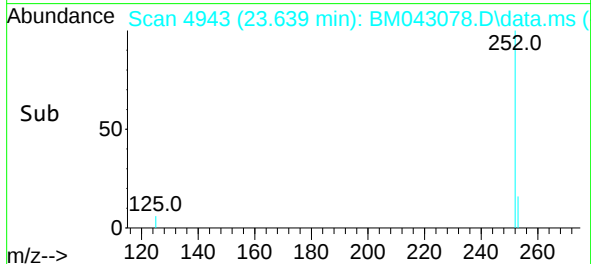
Instrument :
BNA_M
ClientSampleId :
C0AJ9



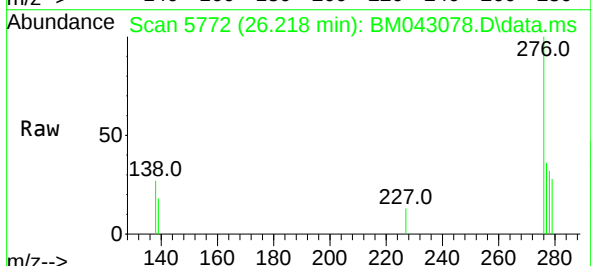
Tgt Ion:252 Resp: 2302
Ion Ratio Lower Upper
252 100
253 41.1 36.6 55.0
125 21.5 16.2 24.4

Manual Integrations
APPROVED

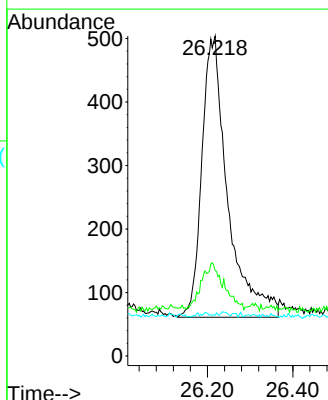
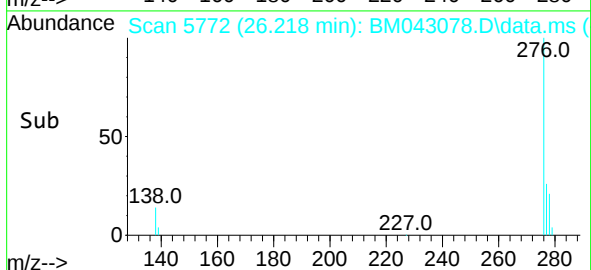
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023

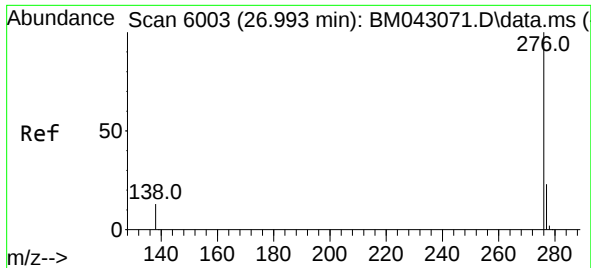


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.166 ng/ul
RT: 26.218 min Scan# 5772
Delta R.T. -0.021 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57



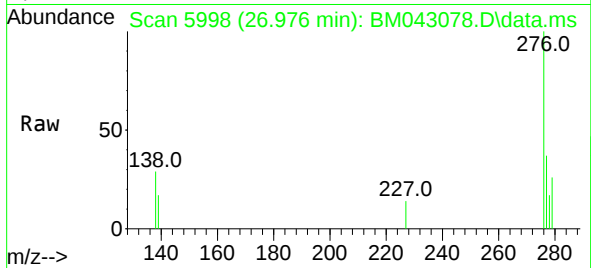
Tgt Ion:276 Resp: 1860
Ion Ratio Lower Upper
276 100
138 0.0 0.0 0.0
227 0.1 0.2 0.2#





#29
Benzo(g,h,i)perylene
Concen: 0.155 ng/ul
RT: 26.976 min Scan# 5998
Delta R.T. -0.034 min
Lab File: BM043078.D
Acq: 28 Nov 2023 18:57

Instrument :
BNA_M
ClientSampleId :
C0AJ9



Tgt Ion:	276	Resp:	168
Ion Ratio	Lower	Upper	
276	100		
138	29.1	17.8	26.8
277	36.5	23.8	35.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023

