

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
 Data File : BM043080.D
 Acq On : 28 Nov 2023 20:09
 Operator : MA/JU
 Sample : 05416-22
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AH5

Manual Integrations
 APPROVED

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

Quant Time: Nov 28 23:39:47 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	7.809	152	1105m	0.400	ng/ul	-0.07
4) Naphthalene-d8	10.611	136	3078	0.400	ng/ul	#-0.04
9) Acenaphthene-d10	14.450	164	1726m	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.212	188	3404	0.400	ng/ul	-0.03
17) Chrysene-d12	21.403	240	2569	0.400	ng/ul	-0.02
23) Perylene-d12	23.753	264	2468m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	1913	1.128	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.227	152	538	0.131	ng/ul	-0.02
18) Fluoranthene-d10	19.242	212	1301	0.139	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.660	128	801	0.096	ng/ul#	92
7) 2-Methylnaphthalene	12.310	142	319	0.065	ng/ul	98
8) 1-Methylnaphthalene	12.508	142	251	0.046	ng/ul	98
10) Acenaphthylene	14.182	152	388	0.044	ng/ul#	70
12) Fluorene	15.509	166	182	0.027	ng/ul#	84
15) Phenanthrene	17.250	178	2420	0.249	ng/ul	99
16) Anthracene	17.343	178	649m	0.071	ng/ul	
19) Fluoranthene	19.270	202	5515	0.379	ng/ul#	96
20) Pyrene	19.633	202	6434	0.415	ng/ul	98
21) Benzo(a)anthracene	21.389	228	3478	0.417	ng/ul	98
22) Chrysene	21.441	228	3107	0.200	ng/ul	97
24) Benzo(b)fluoranthene	23.031	252	4546	0.546	ng/ul	96
25) Benzo(k)fluoranthene	23.072	252	2066m	0.180	ng/ul	
26) Benzo(a)pyrene	23.642	252	3011	0.331	ng/ul	90
27) Indeno(1,2,3-cd)pyrene	26.202	276	2248	0.183	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.215	278	589	0.062	ng/ul#	41
29) Benzo(g,h,i)perylene	26.966	276	2280	0.191	ng/ul	94

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

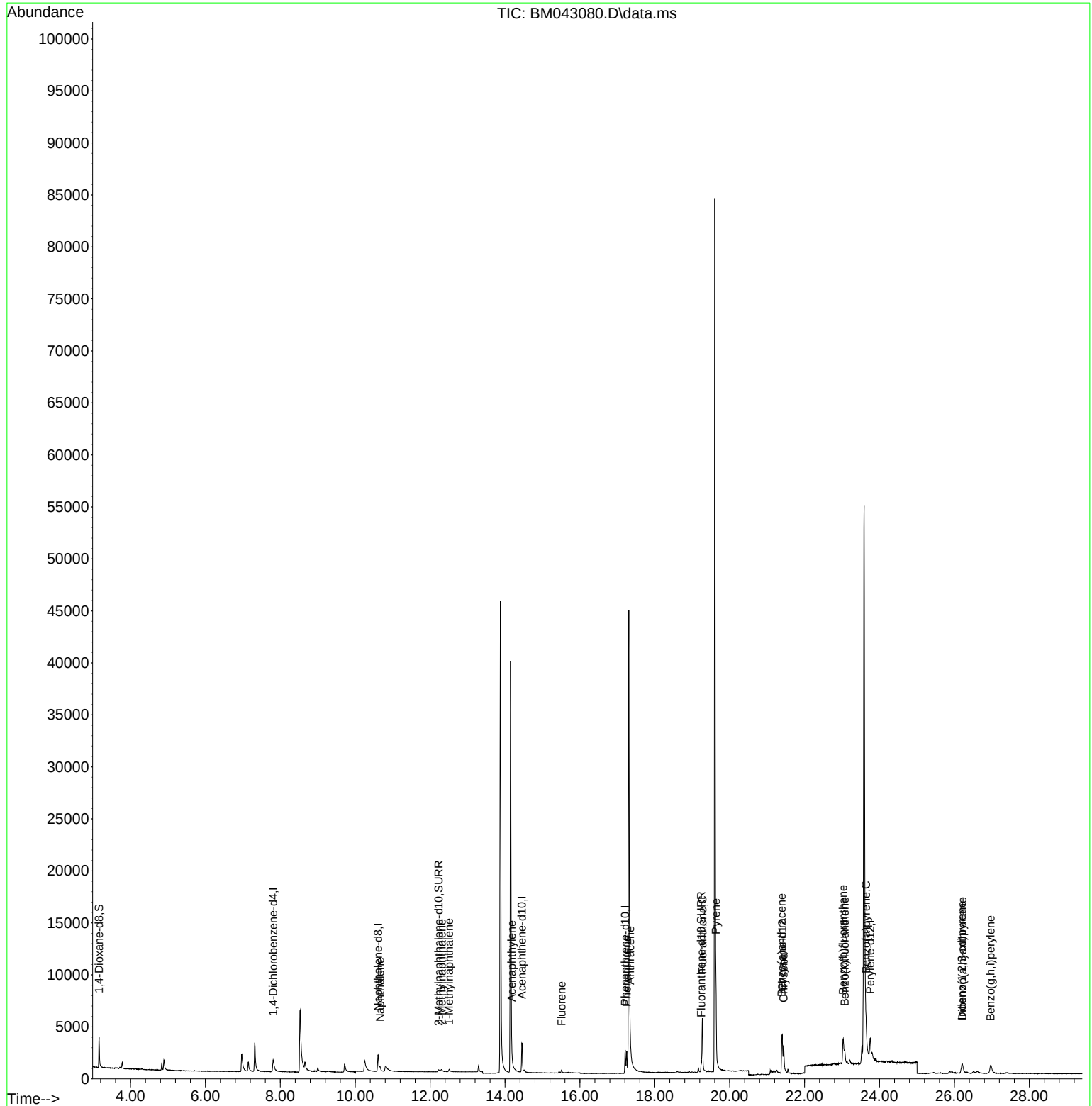
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
Data File : BM043080.D
Acq On : 28 Nov 2023 20:09
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ALS Vial : 11 Sample Multiplier: 1

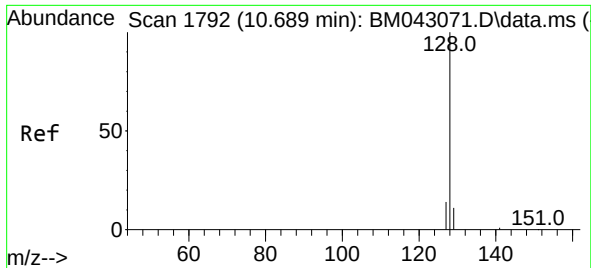
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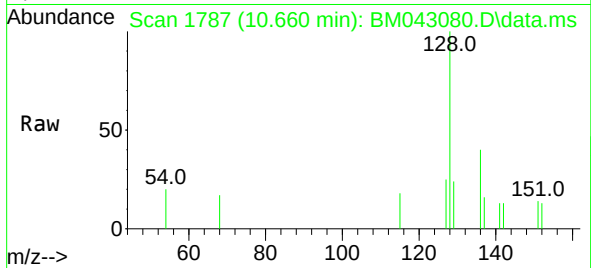
Quant Time: Nov 28 23:39:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 27 02:36:19 2023
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#5
Naphthalene
Concen: 0.096 ng/u1
RT: 10.660 min Scan# 1787
Delta R.T. -0.038 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

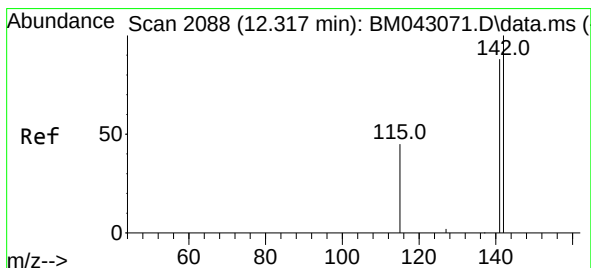
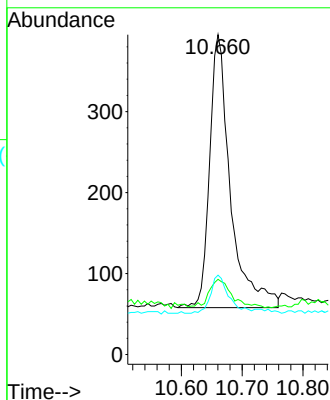
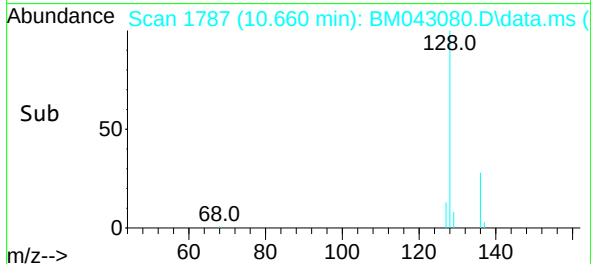
Instrument :
BNA_M
ClientSampleId :
C0AH5



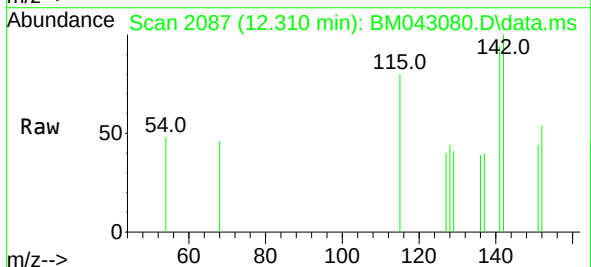
Tgt Ion:128 Resp: 80
Ion Ratio Lower Upper
128 100
129 23.5 16.0 24.0
127 24.8 16.5 24.7

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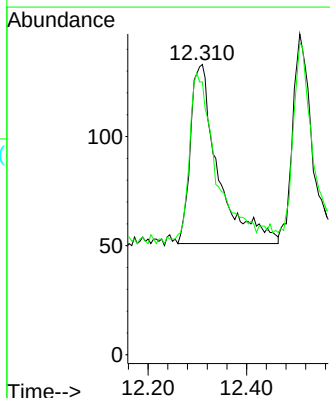
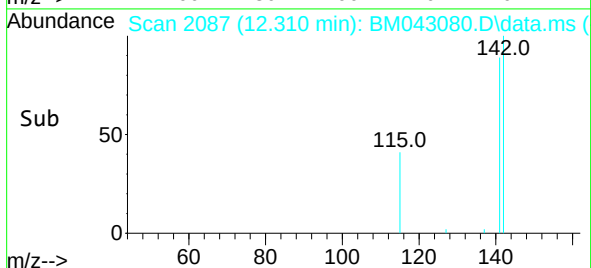
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023

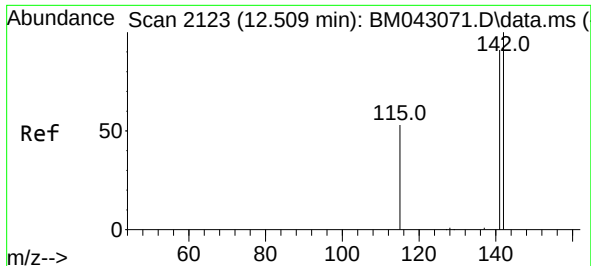


#7
2-Methylnaphthalene
Concen: 0.065 ng/u1
RT: 12.310 min Scan# 2087
Delta R.T. -0.022 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09



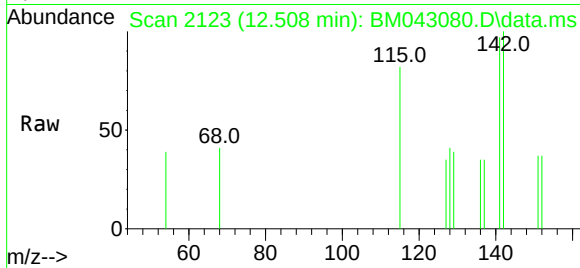
Tgt Ion:142 Resp: 319
Ion Ratio Lower Upper
142 100
141 93.1 76.1 114.1





#8
1-Methylnaphthalene
Concen: 0.046 ng/ul
RT: 12.508 min Scan# 2123
Delta R.T. -0.011 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

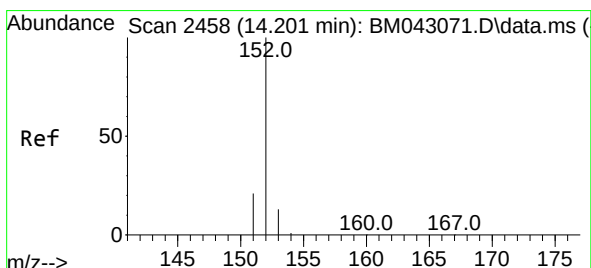
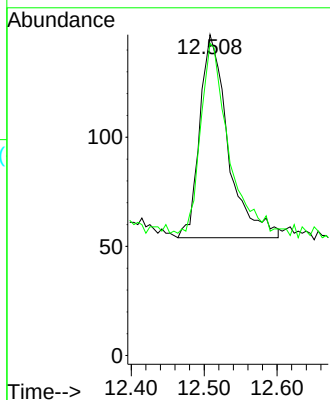
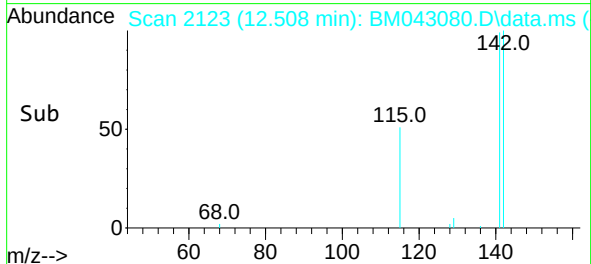
Instrument :
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Tgt Ion:142 Resp: 253
Ion Ratio Lower Upper
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141 90.8 73.8 110.8

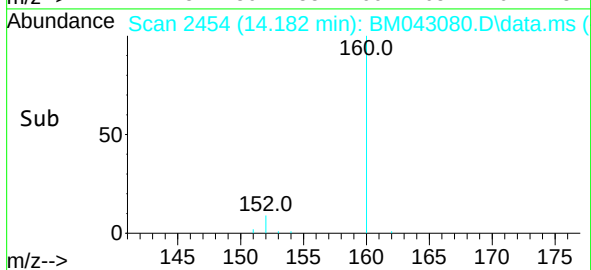
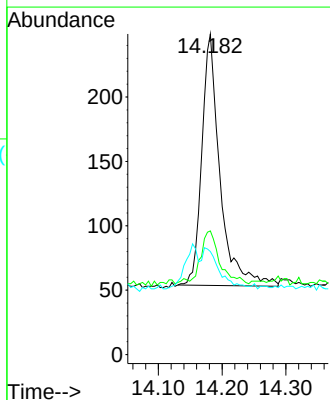
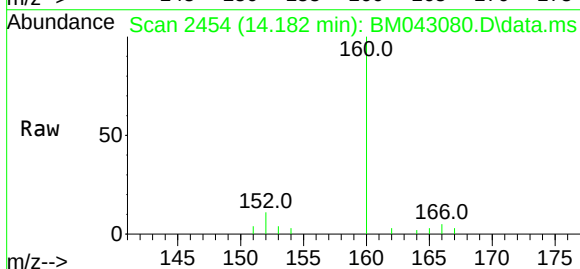
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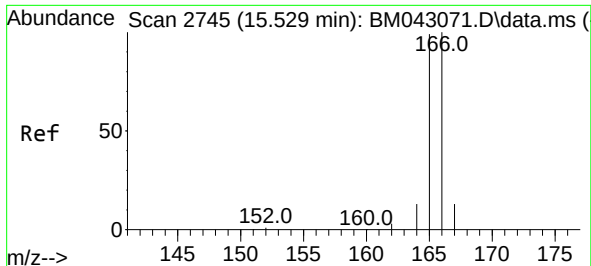
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#10
Acenaphthylene
Concen: 0.044 ng/ul
RT: 14.182 min Scan# 2454
Delta R.T. -0.023 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

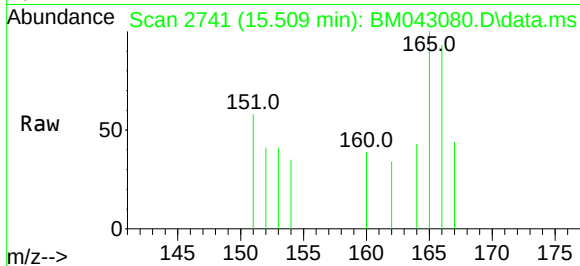
Tgt Ion:152 Resp: 388
Ion Ratio Lower Upper
152 100
151 38.6 19.4 29.0#
153 32.1 14.6 21.8#





#12
Fluorene
Concen: 0.027 ng/u1
RT: 15.509 min Scan# 21
Delta R.T. -0.028 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

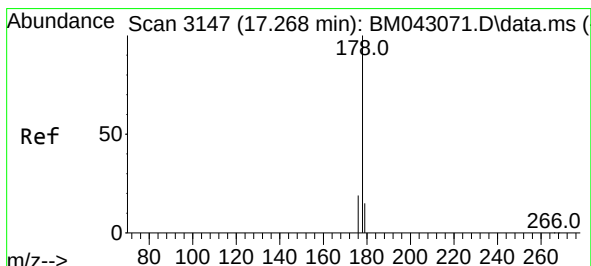
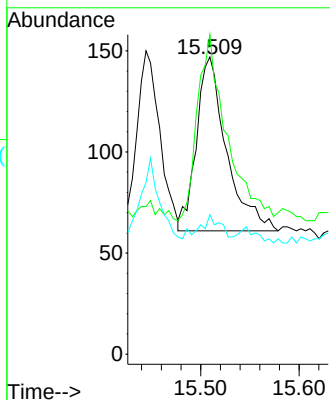
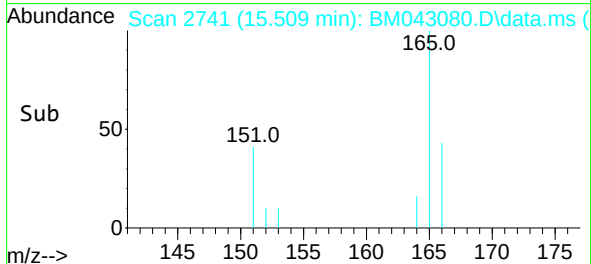
Instrument :
BNA_M
ClientSampleId :
C0AH5



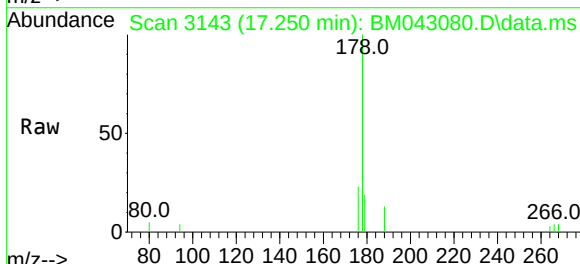
Tgt Ion:166 Resp: 182
Ion Ratio Lower Upper
166 100
165 107.5 79.9 119.9
167 46.9 14.2 21.4

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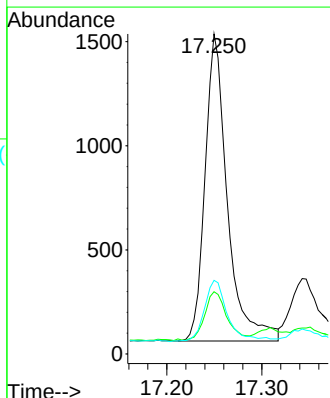
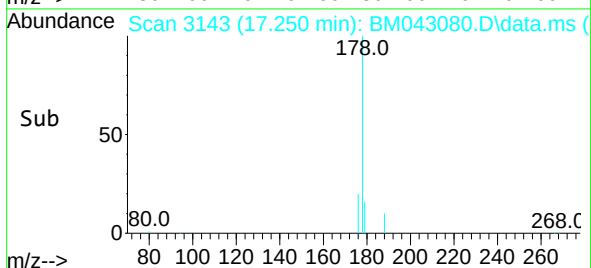
Reviewed By :Yogesh Patel 11/29/2023
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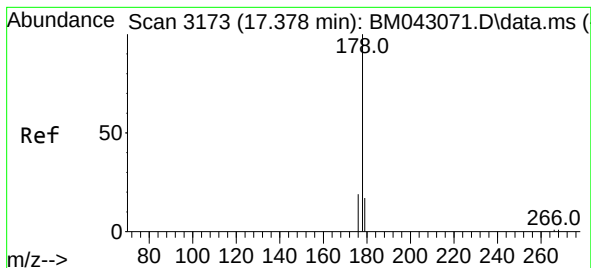


#15
Phenanthrene
Concen: 0.249 ng/u1
RT: 17.250 min Scan# 3143
Delta R.T. -0.029 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09



Tgt Ion:178 Resp: 2420
Ion Ratio Lower Upper
178 100
179 19.5 15.7 23.5
176 23.0 18.9 28.3





#16

Anthracene

Concen: 0.071 ng/ul m

RT: 17.343 min Scan# 3173

Delta R.T. -0.051 min

Lab File: BM043080.D

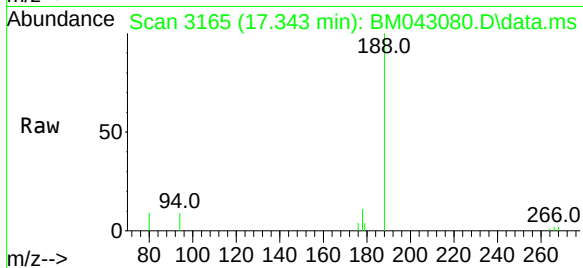
Acq: 28 Nov 2023 20:09

Instrument :

BNA_M

ClientSampleId :

C0AH5



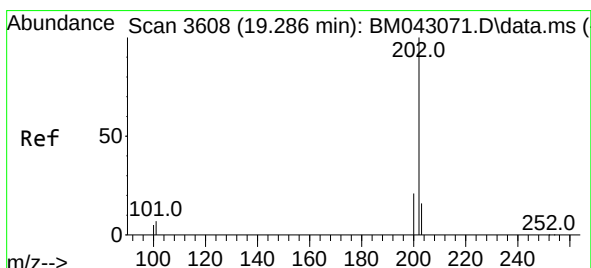
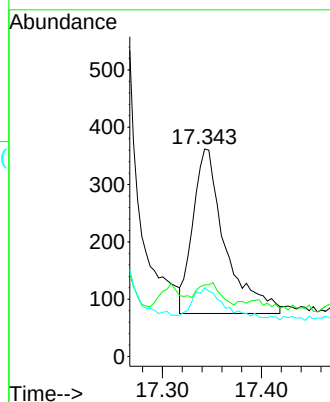
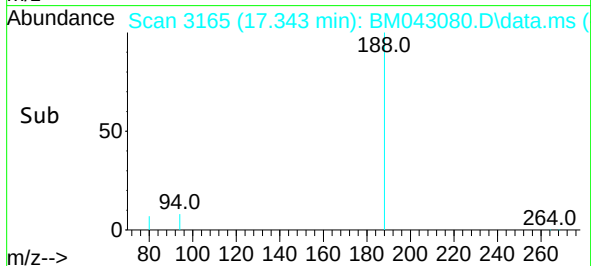
Tgt Ion:	178	Resp:	649
Ion Ratio	Lower	Upper	
178	100		
179	34.5	17.3	25.9
176	33.1	20.5	30.7

Manual Integrations

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#19

Fluoranthene

Concen: 0.379 ng/ul

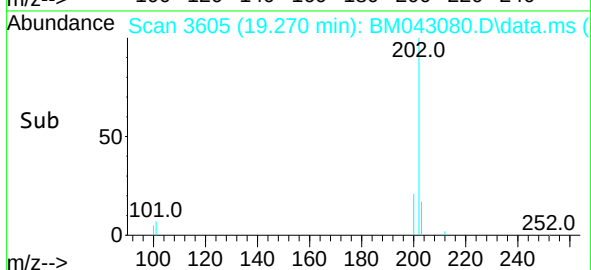
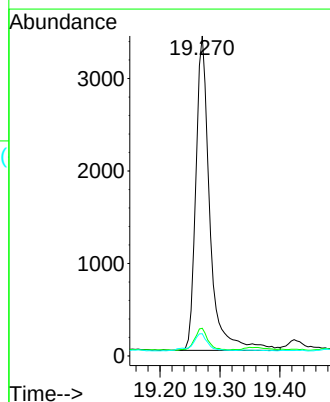
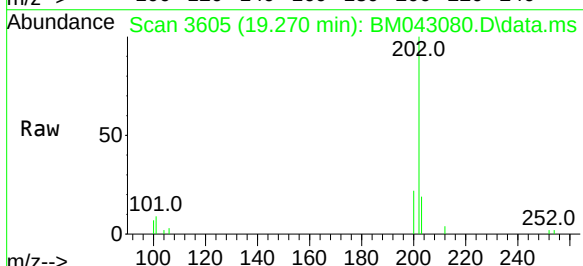
RT: 19.270 min Scan# 3605

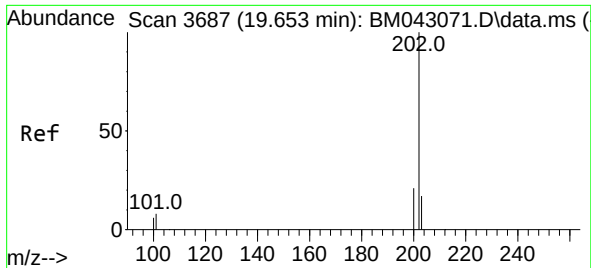
Delta R.T. -0.023 min

Lab File: BM043080.D

Acq: 28 Nov 2023 20:09

Tgt Ion:	202	Resp:	5515
Ion Ratio	Lower	Upper	
202	100		
101	8.7	7.8	11.8
100	6.9	7.1	10.7





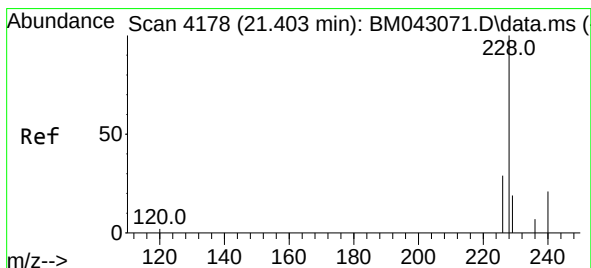
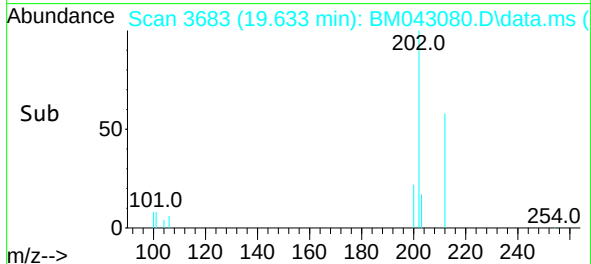
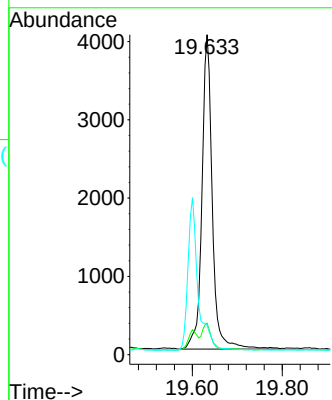
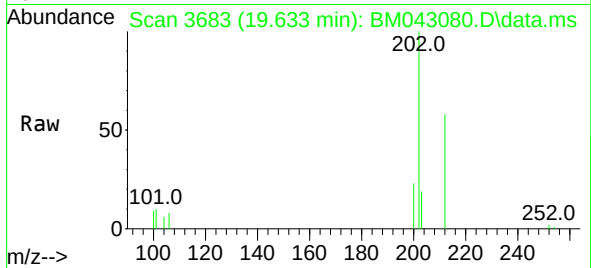
#20
Pyrene
Concen: 0.415 ng/ul
RT: 19.633 min Scan# 3683
Delta R.T. -0.028 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

Instrument :
BNA_M
ClientSampleId :
C0AH5

Tgt Ion:202 Resp: 6434
Ion Ratio Lower Upper
202 100
101 9.8 8.7 13.1
100 9.1 7.8 11.8

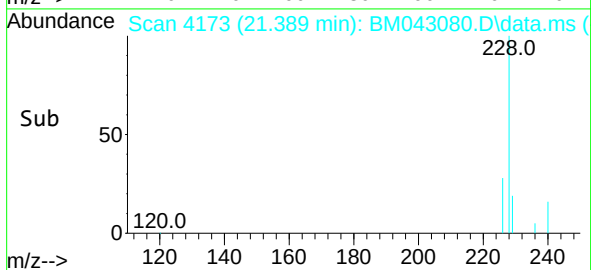
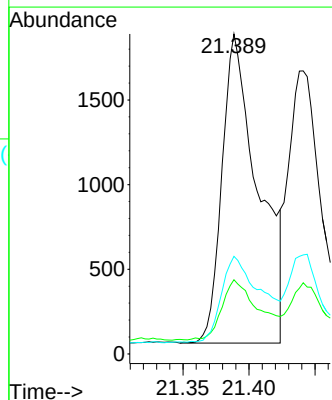
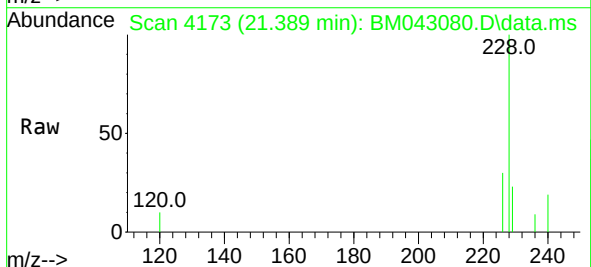
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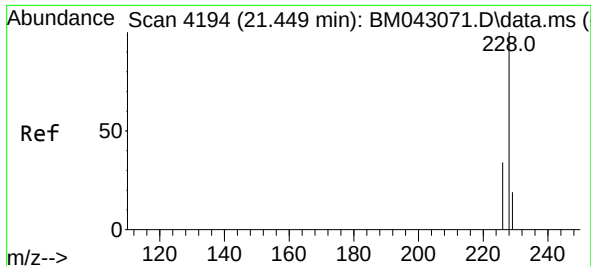
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#21
Benzo(a)anthracene
Concen: 0.417 ng/ul
RT: 21.389 min Scan# 4173
Delta R.T. -0.023 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

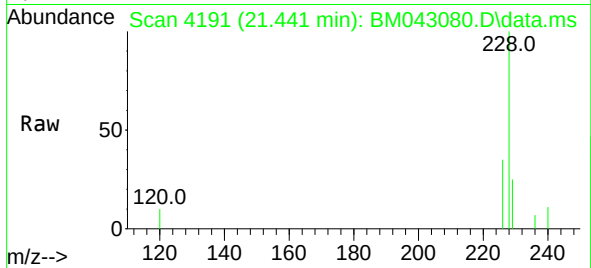
Tgt Ion:228 Resp: 3478
Ion Ratio Lower Upper
228 100
229 23.2 19.4 29.0
226 30.5 24.9 37.3





#22
Chrysene
Concen: 0.200 ng/ul
RT: 21.441 min Scan# 4191
Delta R.T. -0.017 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

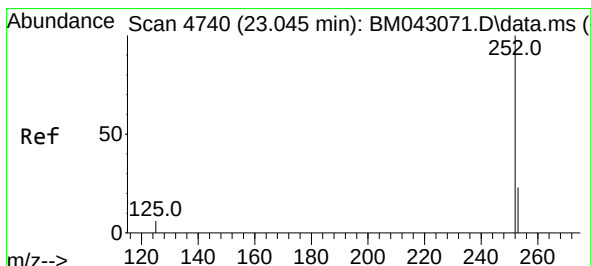
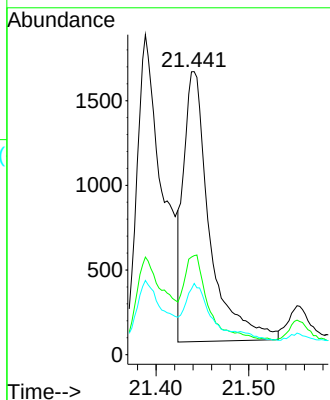
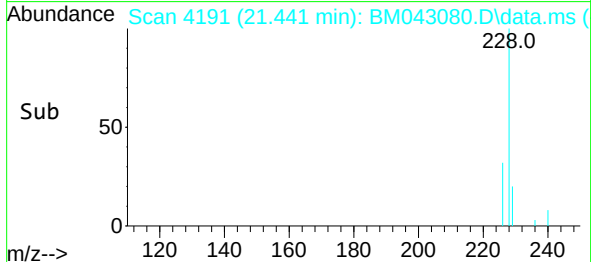
Instrument :
BNA_M
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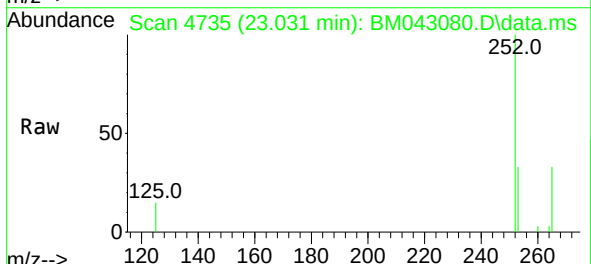
Tgt Ion:228 Resp: 310
Ion Ratio Lower Upper
228 100
226 35.0 27.2 40.8
229 25.1 18.0 27.0

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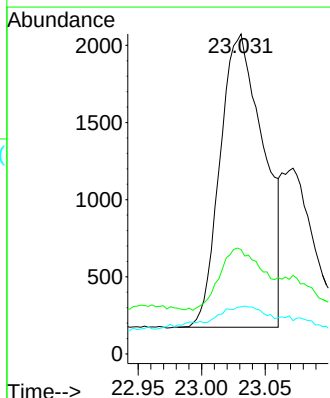
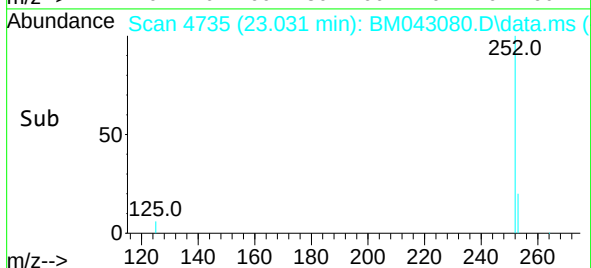
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023

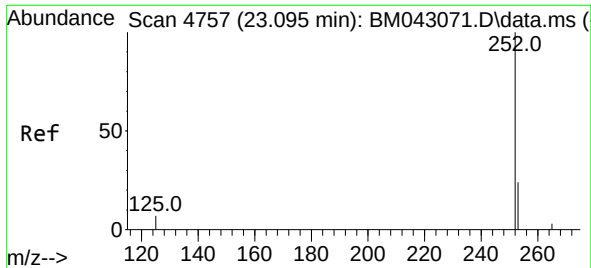


#24
Benzo(b)fluoranthene
Concen: 0.546 ng/ul
RT: 23.031 min Scan# 4735
Delta R.T. -0.020 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09



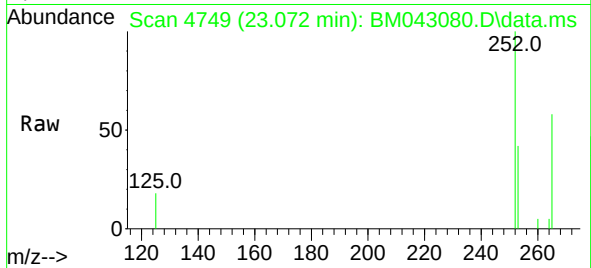
Tgt Ion:252 Resp: 4546
Ion Ratio Lower Upper
252 100
253 32.6 0.0 71.8
125 14.7 0.0 29.0





#25
Benzo(k)fluoranthene
Concen: 0.180 ng/ul m
RT: 23.072 min Scan# 4757
Delta R.T. -0.026 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

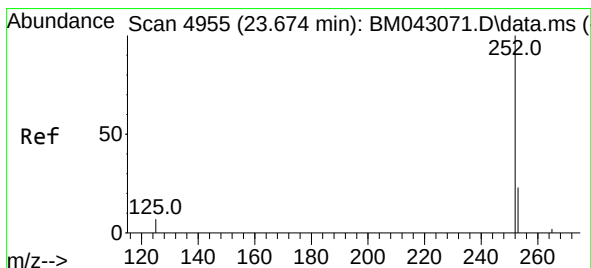
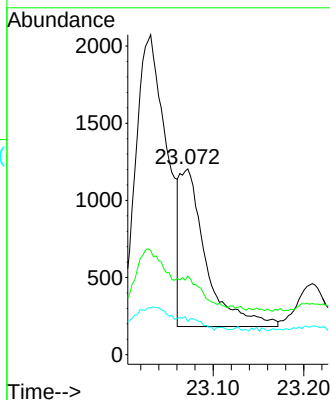
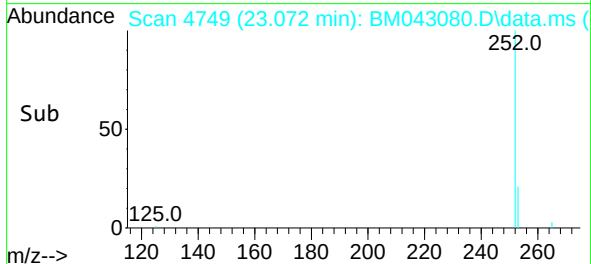
Instrument :
BNA_M
ClientSampleId :
C0AH5



Tgt Ion:252 Resp: 2060
Ion Ratio Lower Upper
252 100
253 42.3 28.2 42.2
125 17.9 11.0 16.6

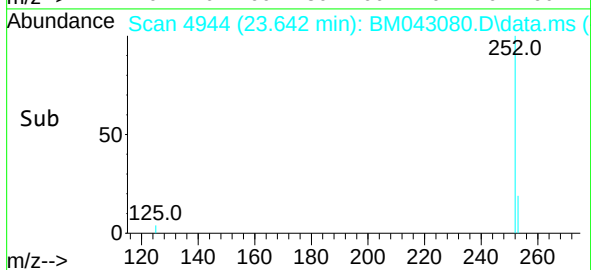
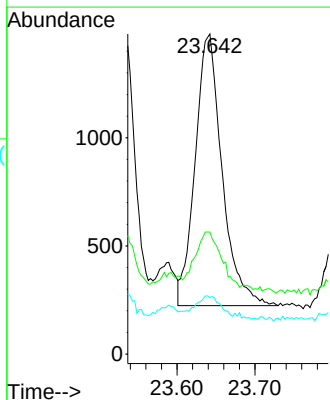
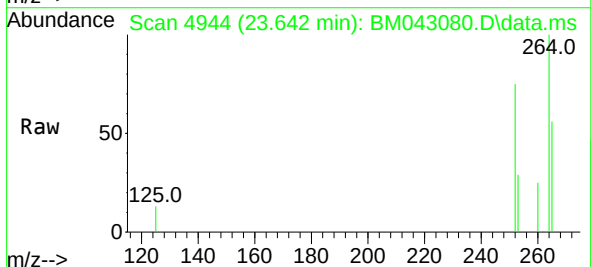
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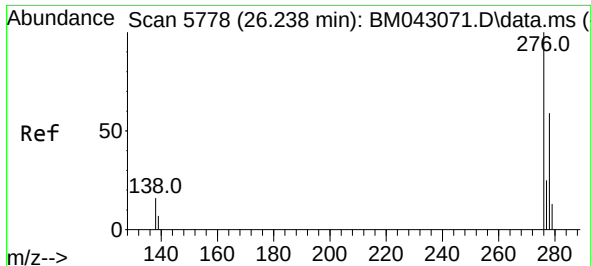
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



#26
Benzo(a)pyrene
Concen: 0.331 ng/ul
RT: 23.642 min Scan# 4944
Delta R.T. -0.044 min
Lab File: BM043080.D
Acq: 28 Nov 2023 20:09

Tgt Ion:252 Resp: 3011
Ion Ratio Lower Upper
252 100
253 38.1 36.6 55.0
125 17.6 16.2 24.4





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.183 ng/ul

RT: 26.202 min Scan# 5778

Delta R.T. -0.037 min

Lab File: BM043080.D

Acq: 28 Nov 2023 20:09

Instrument :

BNA_M

ClientSampleId :

C0AH5

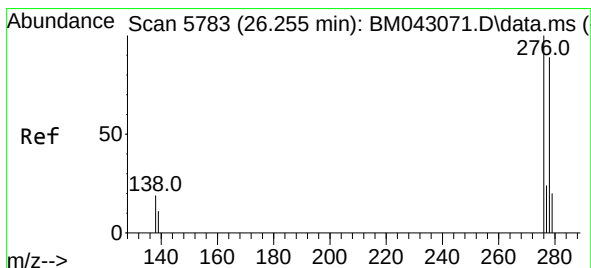
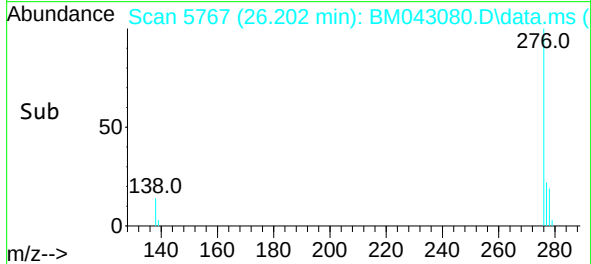
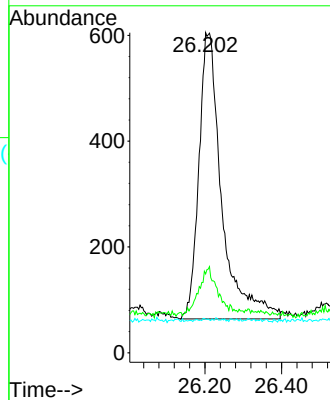
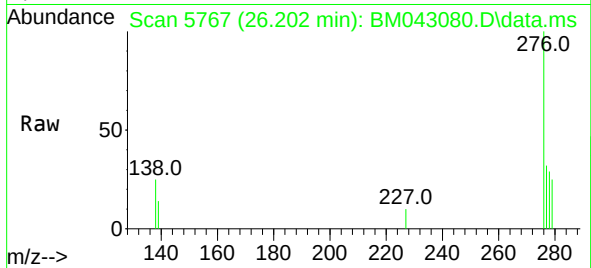
Tgt Ion:	276	Resp:	224
Ion Ratio	Lower	Upper	
276	100		
138	13.5	0.0	0.0
227	0.2	0.2	0.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2023

Supervised By :mohammad ahmed 11/29/2023



#28

Dibenzo(a,h)anthracene

Concen: 0.062 ng/ul

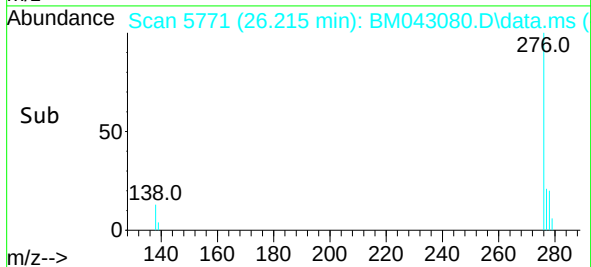
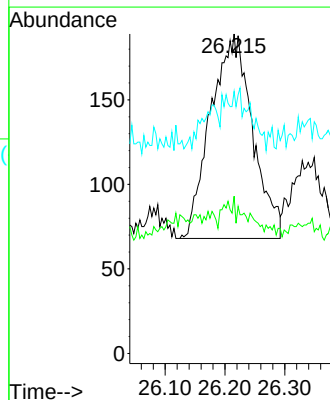
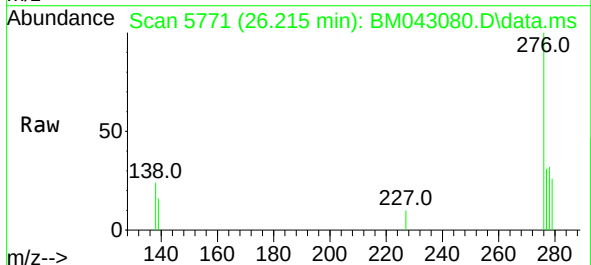
RT: 26.215 min Scan# 5771

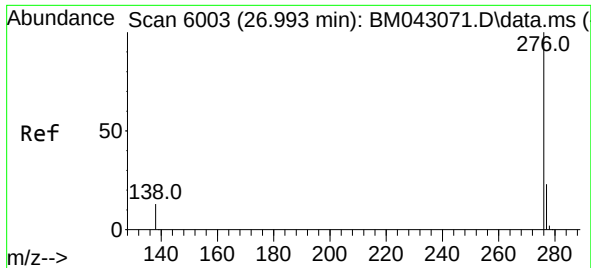
Delta R.T. -0.060 min

Lab File: BM043080.D

Acq: 28 Nov 2023 20:09

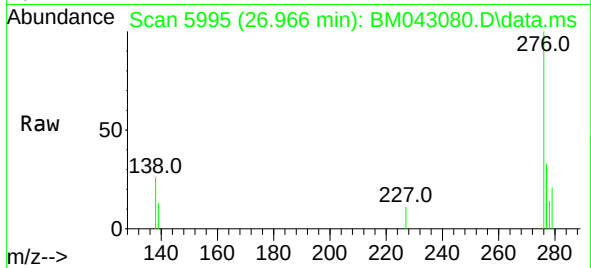
Tgt Ion:	278	Resp:	589
Ion Ratio	Lower	Upper	
278	100		
139	49.2	18.1	27.1#
279	82.0	34.4	51.6#





#29
 Benzo(g,h,i)perylene
 Concen: 0.191 ng/ul
 RT: 26.966 min Scan# 5995
 Delta R.T. -0.044 min
 Lab File: BM043080.D
 Acq: 28 Nov 2023 20:09

Instrument :
 BNA_M
 ClientSampleId :
 C0AH5



Tgt Ion: 276 Resp: 2280
 Ion Ratio Lower Upper
 276 100
 138 25.8 17.8 26.8
 277 32.8 23.8 35.8

Manual Integrations
 APPROVED

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

