

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091123\
 Data File : BM041797.D
 Acq On : 12 Sep 2023 02:57
 Operator : MA/JU
 Sample : 04235-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYJ9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023

Quant Time: Sep 12 06:18:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM090523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 04:50:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.979	152	7517	0.400	ng/ul	0.00
4) Naphthalene-d8	10.796	136	17432	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.625	164	6926	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.375	188	11747	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.553	240	7258	0.400	ng/ul	# 0.01
23) Perylene-d12	24.000	264	8285	0.400	ng/ul	# 0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.389	96	15210	1.324	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.379	152	3334	0.149	ng/ul	0.00
18) Fluoranthene-d10	19.399	212	2608	0.074	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.845	128	50849	0.888	ng/ul	99
7) 2-Methylnaphthalene	12.451	142	269917	8.306	ng/ul	100
8) 1-Methylnaphthalene	12.671	142	260334	7.973	ng/ul	100
10) Acenaphthylene	14.338	152	12163	0.284	ng/ul#	1
11) Acenaphthene	14.699	153	11857	0.356	ng/ul#	39
15) Phenanthrene	17.417	178	384341	7.749	ng/ul	99
16) Anthracene	17.510	178	6976m	0.164	ng/ul	
19) Fluoranthene	19.427	202	419521	4.897	ng/ul	100
20) Pyrene	19.794	202	290900	3.419	ng/ul	98
21) Benzo(a)anthracene	21.536	228	42525	0.718	ng/ul#	77
22) Chrysene	21.591	228	189427	2.966	ng/ul#	94
24) Benzo(b)fluoranthene	23.243	252	194825m	2.628	ng/ul	
25) Benzo(k)fluoranthene	23.290	252	64936m	0.895	ng/ul	
26) Benzo(a)pyrene	23.889	252	20547	0.341	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.525	276	82734	1.001	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.542	278	22588	0.390	ng/ul#	1
29) Benzo(g,h,i)perylene	27.317	276	98138	1.340	ng/ul#	68

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

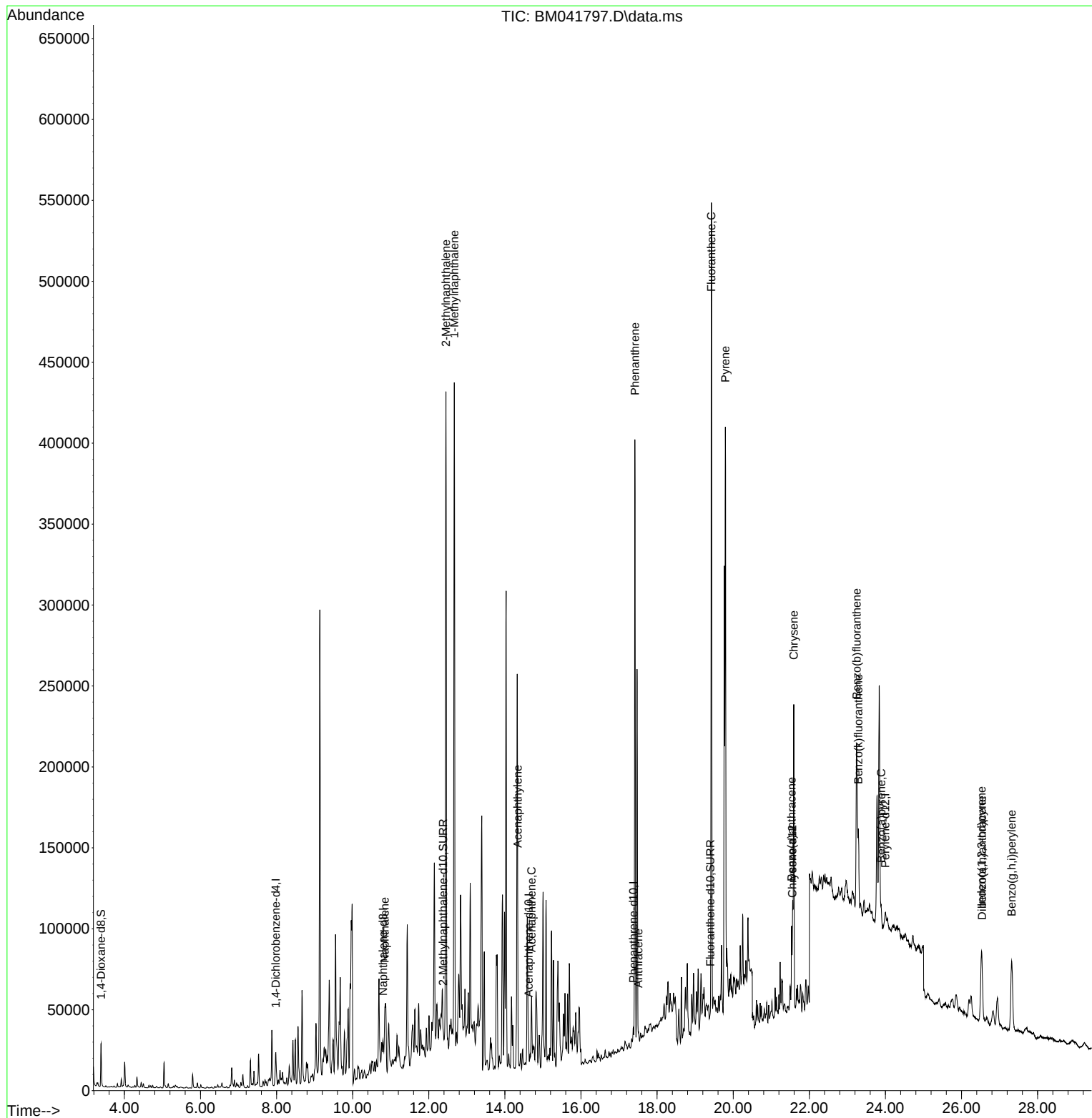
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091123\
Data File : BM041797.D
Acq On : 12 Sep 2023 02:57
Operator : MA/JU
Sample : 04235-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

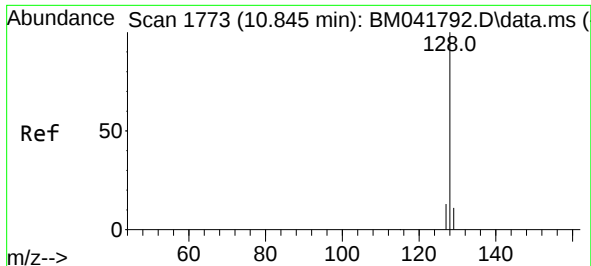
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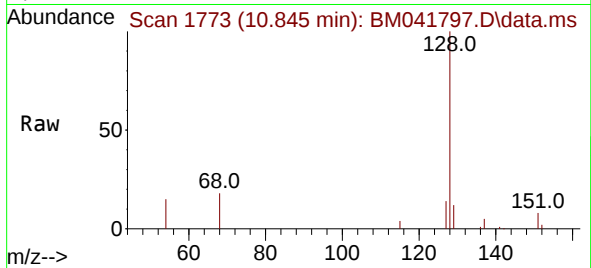
Quant Time: Sep 12 06:18:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM090523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 04:50:34 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.888 ng/ul
RT: 10.845 min Scan# 1773
Delta R.T. 0.000 min
Lab File: BM041797.D
Acq: 12 Sep 2023 02:57

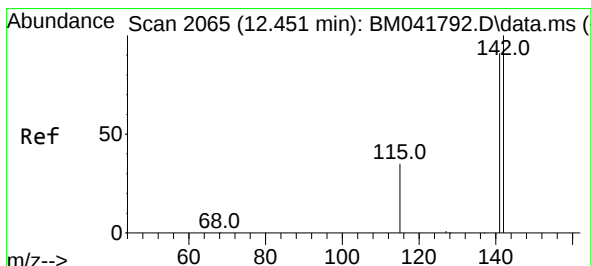
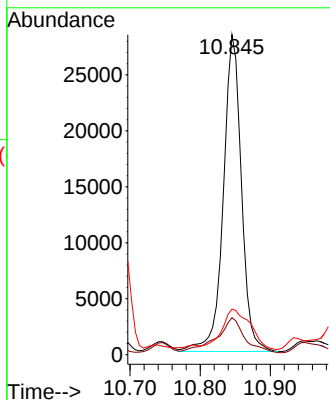
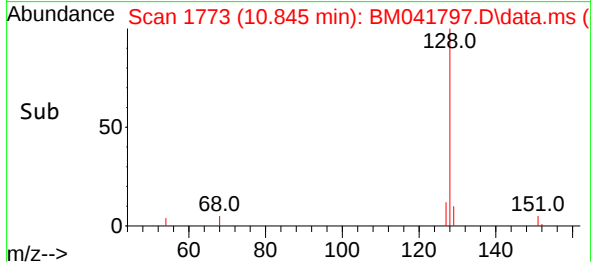
Instrument :
BNA_M
ClientSampleId :
EZYJ9



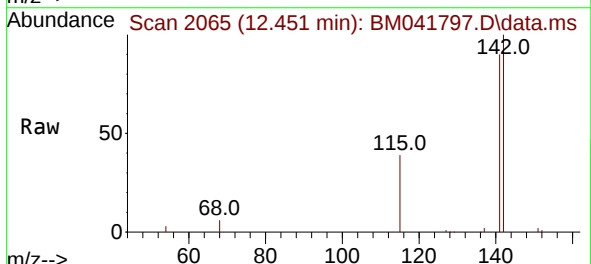
Tgt Ion:128 Resp: 50849
Ion Ratio Lower Upper
128 100
129 11.5 9.4 14.0
127 14.2 11.0 16.6

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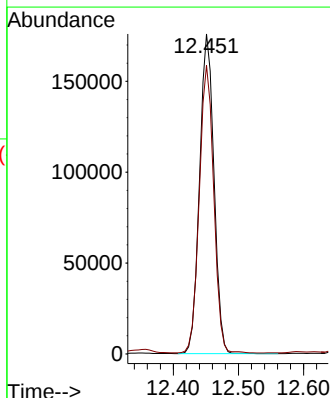
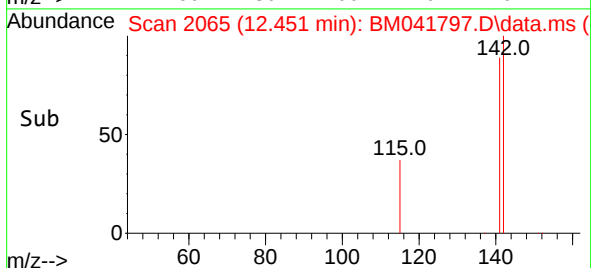
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023

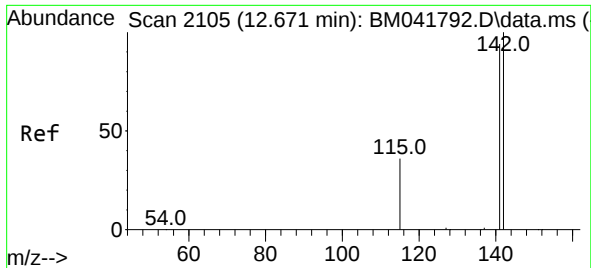


#7
2-Methylnaphthalene
Concen: 8.306 ng/ul
RT: 12.451 min Scan# 2065
Delta R.T. 0.000 min
Lab File: BM041797.D
Acq: 12 Sep 2023 02:57



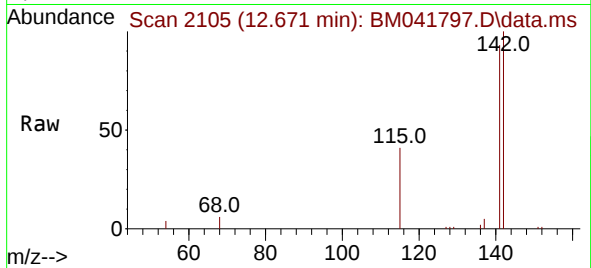
Tgt Ion:142 Resp: 269917
Ion Ratio Lower Upper
142 100
141 90.6 72.2 108.2





#8
1-Methylnaphthalene
Concen: 7.973 ng/ul
RT: 12.671 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BM041797.D
Acq: 12 Sep 2023 02:57

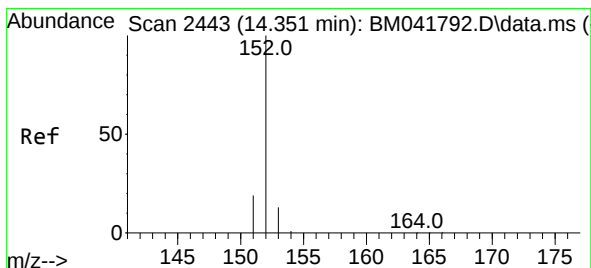
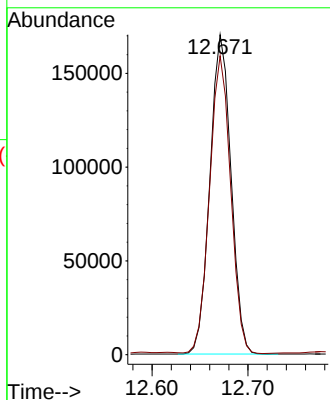
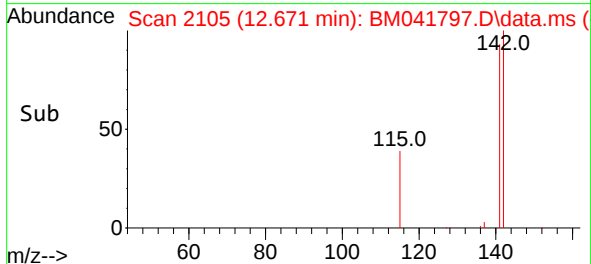
Instrument :
BNA_M
ClientSampleId :
EZYJ9



Tgt Ion:142 Resp: 260334
Ion Ratio Lower Upper
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141 93.0 74.4 111.6

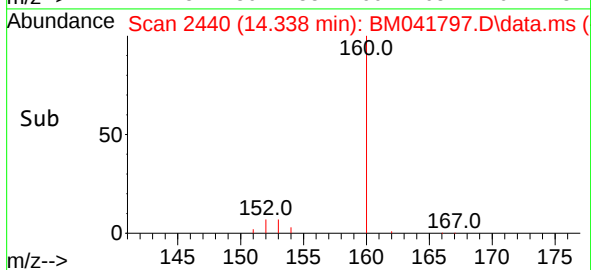
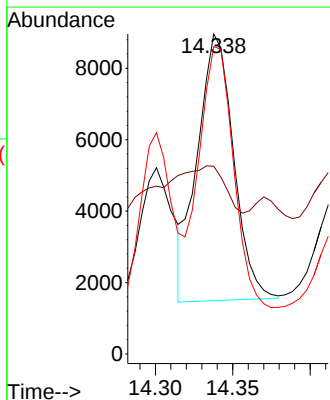
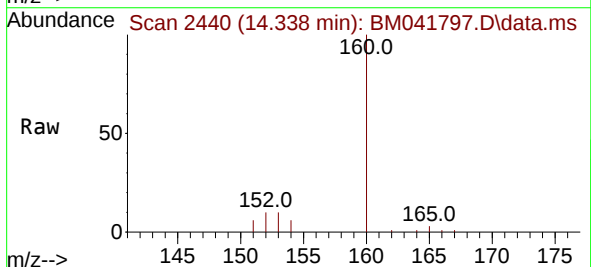
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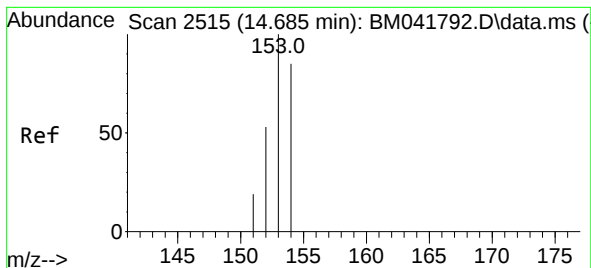
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



#10
Acenaphthylene
Concen: 0.284 ng/ul
RT: 14.338 min Scan# 2440
Delta R.T. -0.014 min
Lab File: BM041797.D
Acq: 12 Sep 2023 02:57

Tgt Ion:152 Resp: 12163
Ion Ratio Lower Upper
152 100
151 58.7 16.4 24.6#
153 96.0 11.1 16.7#





#11

Acenaphthene

Concen: 0.356 ng/uI

RT: 14.699 min Scan# 2118

Delta R.T. 0.014 min

Lab File: BM041797.D

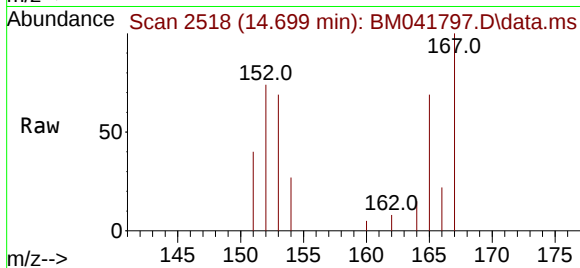
Acq: 12 Sep 2023 02:57

Instrument :

BNA_M

ClientSampleId :

EZYJ9



Tgt Ion:153 Resp: 1185

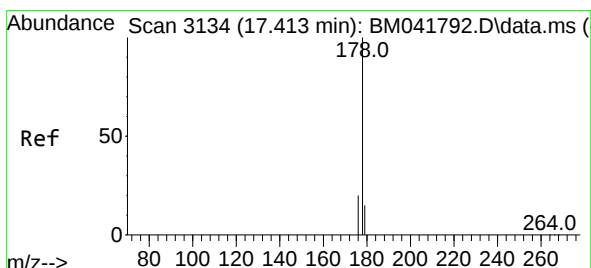
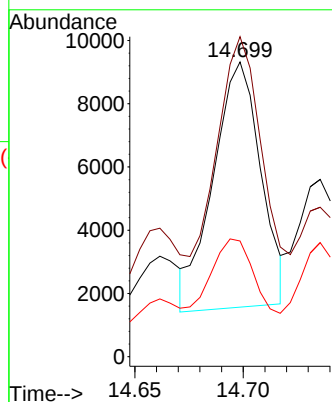
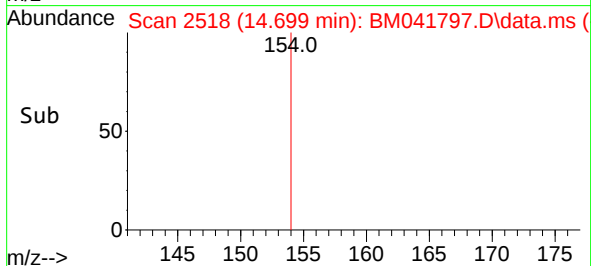
Ion	Ratio	Lower	Upper
153	100		
152	108.6	43.4	65.2
154	39.3	69.4	104.0

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#15

Phenanthrene

Concen: 7.749 ng/uI

RT: 17.417 min Scan# 3135

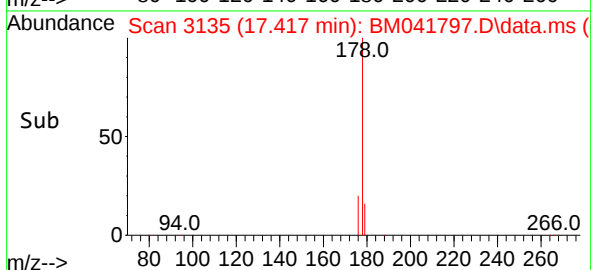
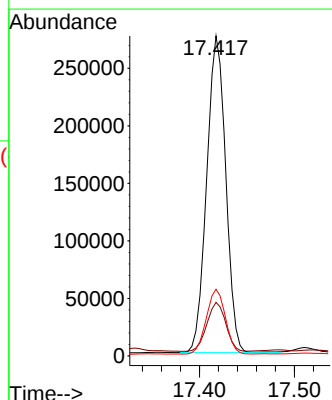
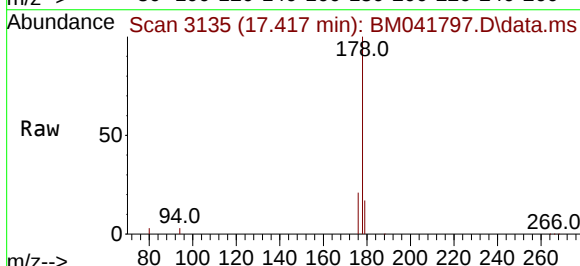
Delta R.T. 0.004 min

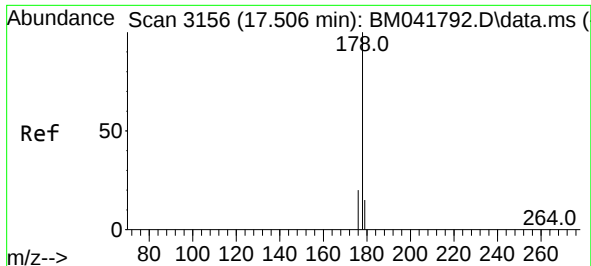
Lab File: BM041797.D

Acq: 12 Sep 2023 02:57

Tgt Ion:178 Resp: 384341

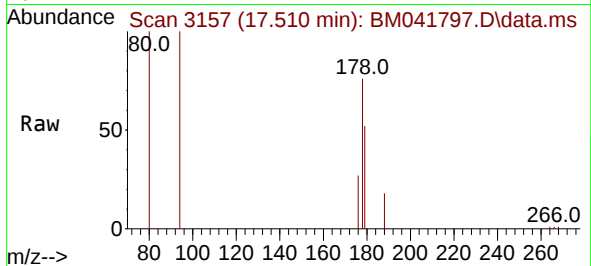
Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.9	19.3
176	20.8	16.9	25.3





#16
 Anthracene
 Concen: 0.164 ng/ul m
 RT: 17.510 min Scan# 3156
 Delta R.T. 0.004 min
 Lab File: BM041797.D
 Acq: 12 Sep 2023 02:57

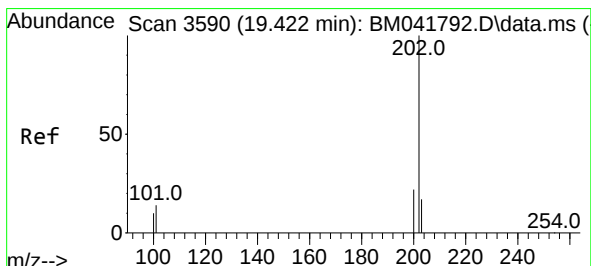
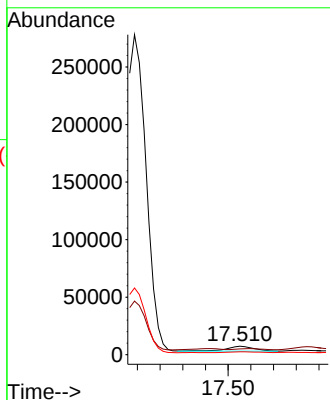
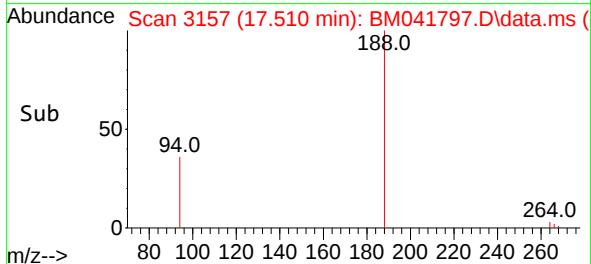
Instrument :
 BNA_M
 ClientSampleId :
 EZYJ9



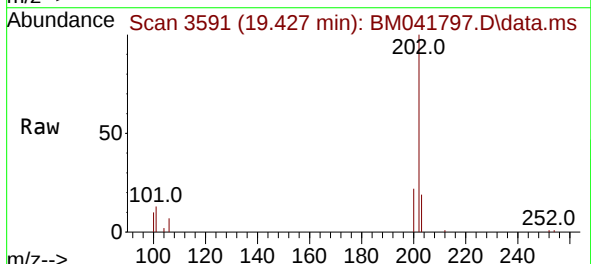
Tgt Ion:178 Resp: 6970
 Ion Ratio Lower Upper
 178 100
 179 68.3 12.9 19.3
 176 34.8 15.8 23.8

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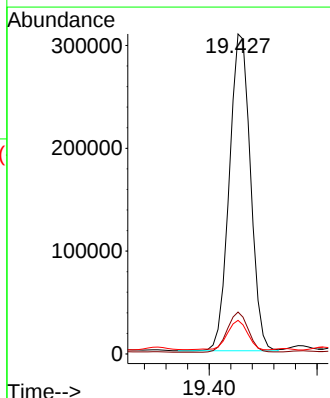
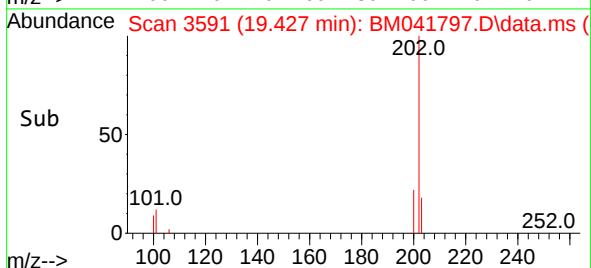
Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023

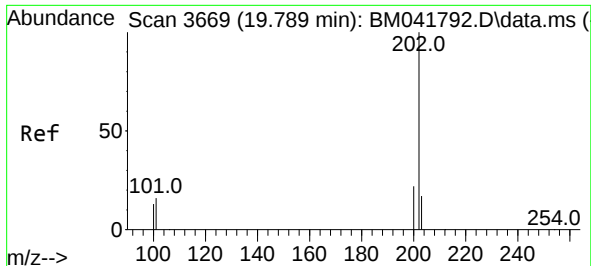


#19
 Fluoranthene
 Concen: 4.897 ng/ul
 RT: 19.427 min Scan# 3591
 Delta R.T. 0.005 min
 Lab File: BM041797.D
 Acq: 12 Sep 2023 02:57



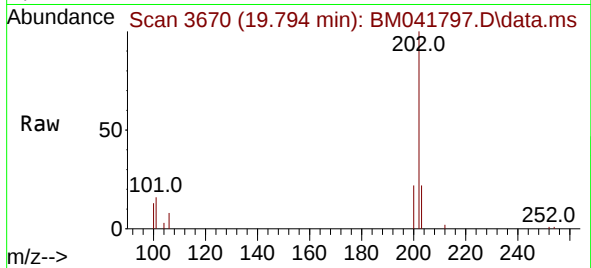
Tgt Ion:202 Resp: 419521
 Ion Ratio Lower Upper
 202 100
 101 13.1 10.5 15.7
 100 10.5 8.4 12.6





#20
Pyrene
Concen: 3.419 ng/u1
RT: 19.794 min Scan# 30
Delta R.T. 0.005 min
Lab File: BM041797.D
Acq: 12 Sep 2023 02:57

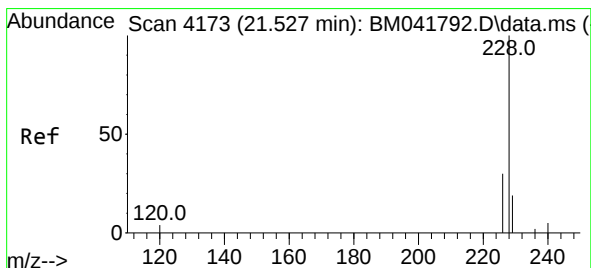
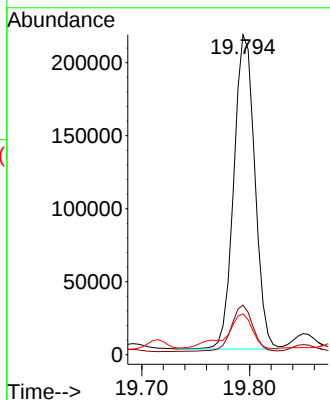
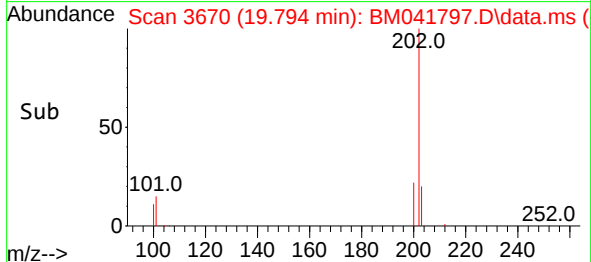
Instrument :
BNA_M
ClientSampleId :
EZYJ9



Tgt Ion:202 Resp: 290900
Ion Ratio Lower Upper
202 100
101 15.5 11.8 17.8
100 12.7 9.8 14.6

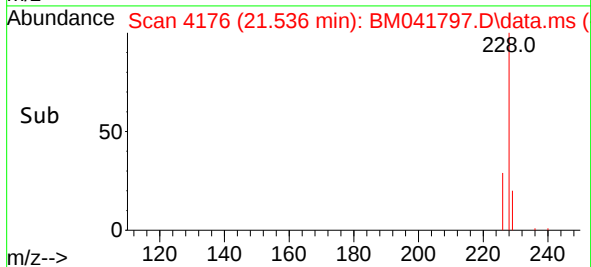
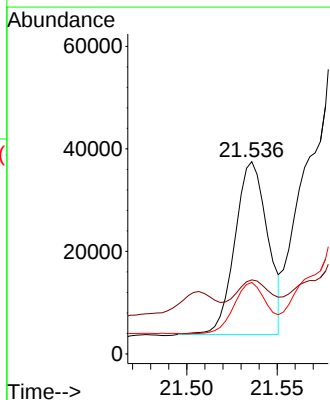
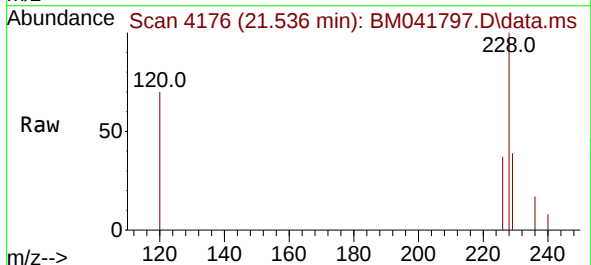
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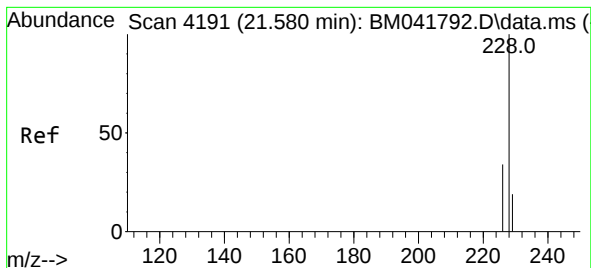
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



#21
Benzo(a)anthracene
Concen: 0.718 ng/u1
RT: 21.536 min Scan# 4176
Delta R.T. 0.009 min
Lab File: BM041797.D
Acq: 12 Sep 2023 02:57

Tgt Ion:228 Resp: 42525
Ion Ratio Lower Upper
228 100
229 38.5 15.8 23.6#
226 37.2 24.8 37.2





#22

Chrysene

Concen: 2.966 ng/ul

RT: 21.591 min Scan# 41

Delta R.T. 0.012 min

Lab File: BM041797.D

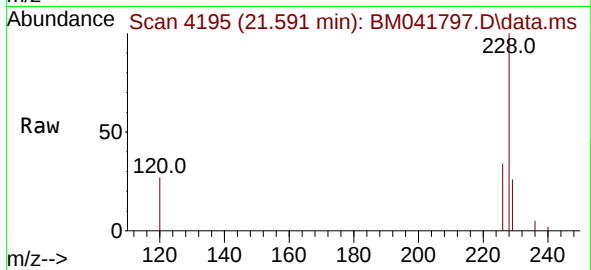
Acq: 12 Sep 2023 02:57

Instrument :

BNA_M

ClientSampleId :

EZYJ9



Tgt Ion:228 Resp: 18942

Ion Ratio Lower Upper

228 100

226 33.8 27.0 40.6

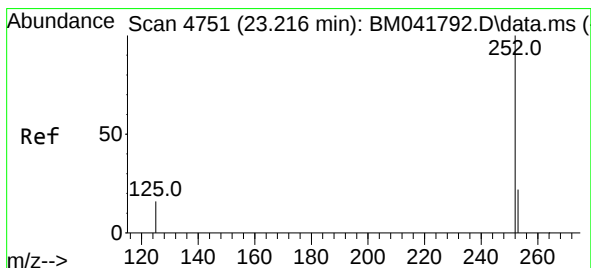
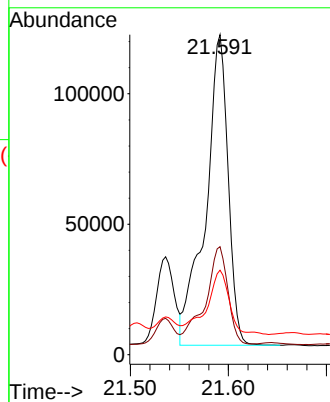
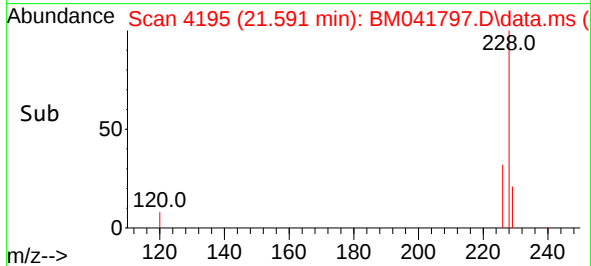
229 26.4 15.4 23.2

Manual Integrations

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Supervised By :mohammad ahmed 09/13/2023



#24

Benzo(b)fluoranthene

Concen: 2.628 ng/ul m

RT: 23.243 min Scan# 4760

Delta R.T. 0.026 min

Lab File: BM041797.D

Acq: 12 Sep 2023 02:57

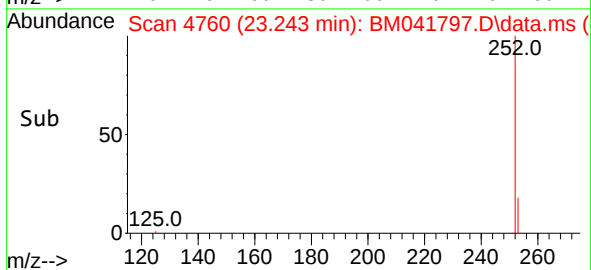
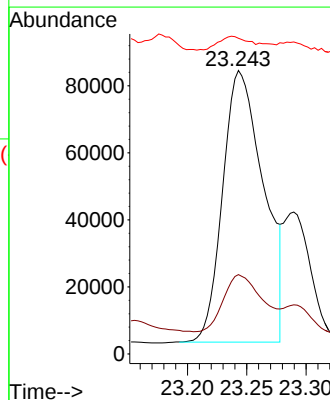
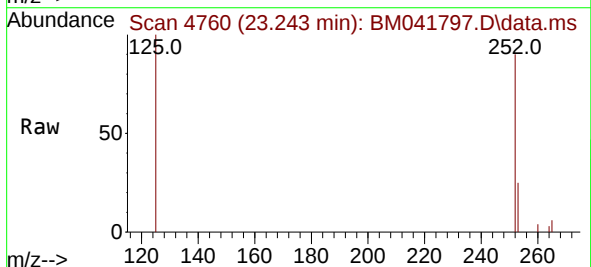
Tgt Ion:252 Resp: 194825

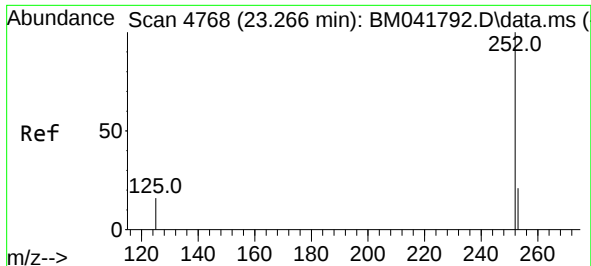
Ion Ratio Lower Upper

252 100

253 28.0 0.0 52.4

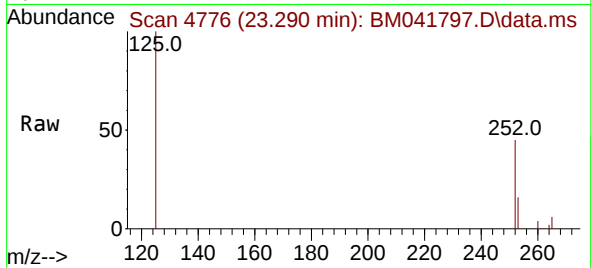
125 111.4 0.0 42.8





#25
Benzo(k)fluoranthene
Concen: 0.895 ng/ul m
RT: 23.290 min Scan# 4776
Delta R.T. 0.023 min
Lab File: BM041797.D
Acq: 12 Sep 2023 02:57

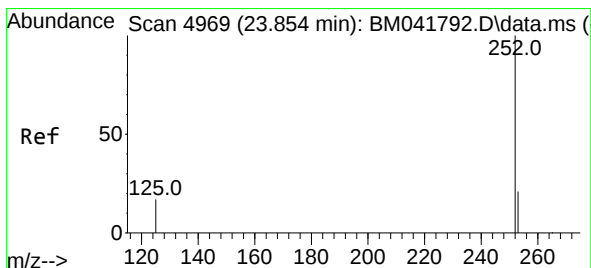
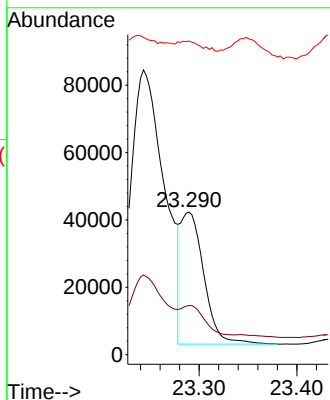
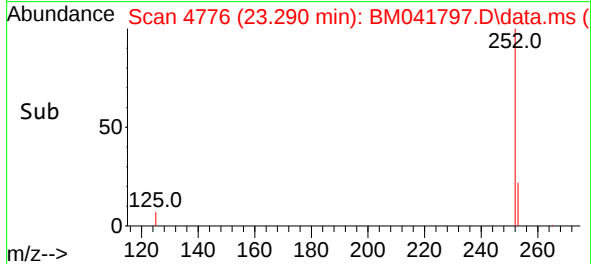
Instrument :
BNA_M
ClientSampleId :
EZYJ9



Tgt Ion:252 Resp: 64930
Ion Ratio Lower Upper
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253 34.6 21.3 31.9#
125 220.0 17.4 26.0#

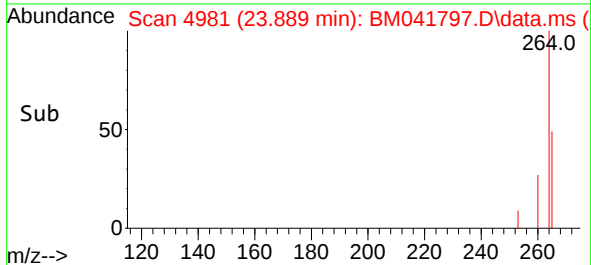
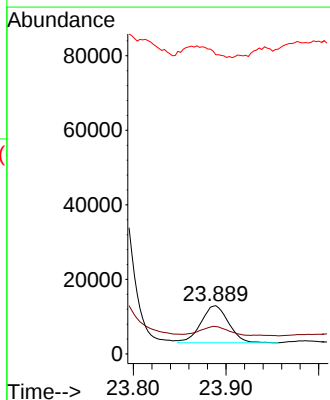
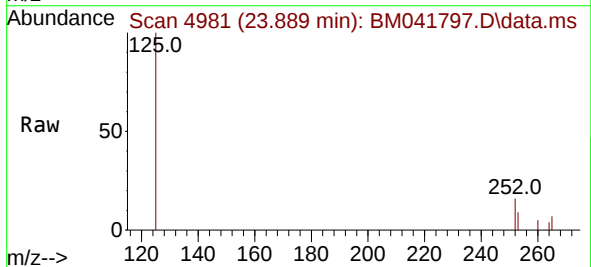
Manual Integrations
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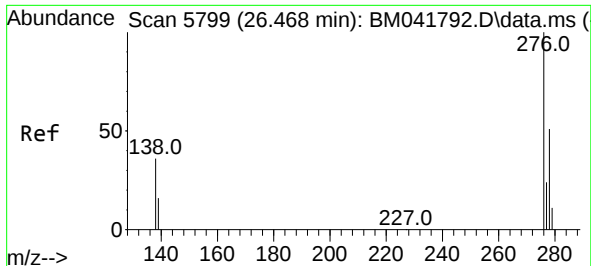
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



#26
Benzo(a)pyrene
Concen: 0.341 ng/ul
RT: 23.889 min Scan# 4981
Delta R.T. 0.035 min
Lab File: BM041797.D
Acq: 12 Sep 2023 02:57

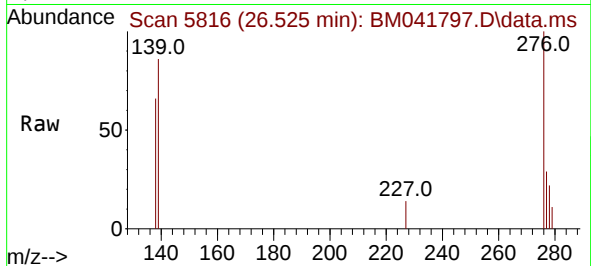
Tgt Ion:252 Resp: 20547
Ion Ratio Lower Upper
252 100
253 56.8 22.4 33.6#
125 620.2 21.0 31.4#





#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.001 ng/ul
 RT: 26.525 min Scan# 5816
 Delta R.T. 0.057 min
 Lab File: BM041797.D
 Acq: 12 Sep 2023 02:57

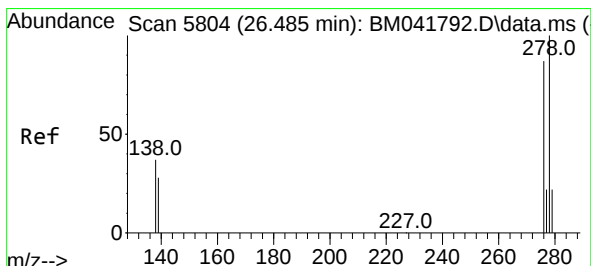
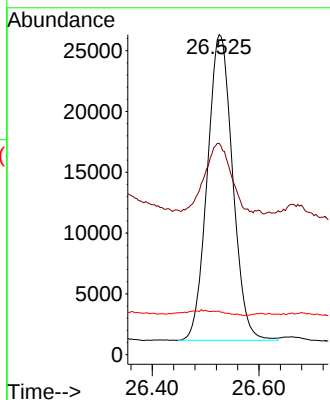
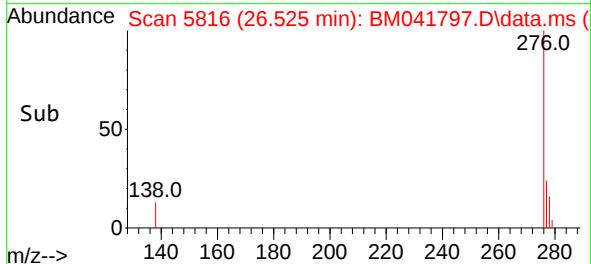
Instrument :
 BNA_M
 ClientSampleId :
 EZYJ9



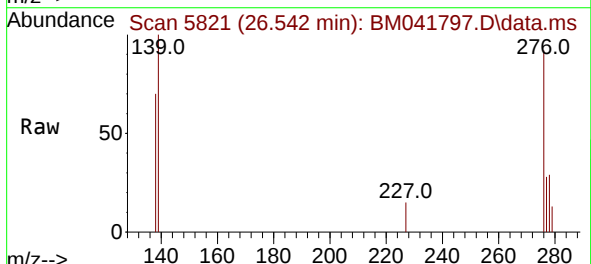
Tgt Ion: 276 Resp: 82734
 Ion Ratio Lower Upper
 276 100
 138 23.8 26.4 39.6#
 227 0.0 0.1 0.1#

Manual Integrations
 APPROVED

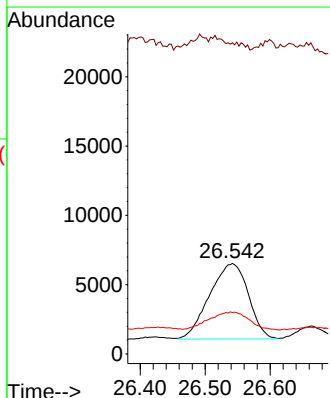
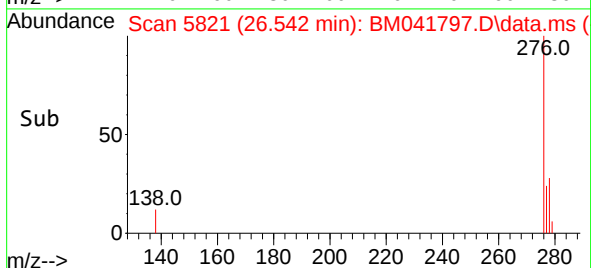
Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023

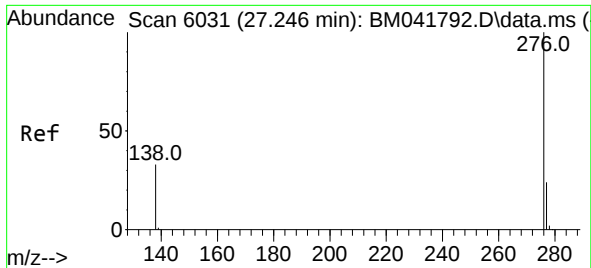


#28
 Dibenzo(a,h)anthracene
 Concen: 0.390 ng/ul
 RT: 26.542 min Scan# 5821
 Delta R.T. 0.057 min
 Lab File: BM041797.D
 Acq: 12 Sep 2023 02:57



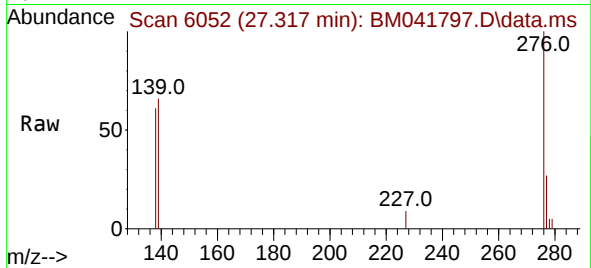
Tgt Ion: 278 Resp: 22588
 Ion Ratio Lower Upper
 278 100
 139 343.5 23.0 34.6#
 279 45.7 22.9 34.3#





#29
Benzo(g,h,i)perylene
Concen: 1.340 ng/ul
RT: 27.317 min Scan# 6031
Delta R.T. 0.071 min
Lab File: BM041797.D
Acq: 12 Sep 2023 02:57

Instrument :
BNA_M
ClientSampleId :
EZYJ9



Tgt Ion:276 Resp: 98138
Ion Ratio Lower Upper
276 100
138 61.1 25.0 37.4
277 27.4 20.2 30.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023

