

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091123\
 Data File : BM041795.D
 Acq On : 12 Sep 2023 01:44
 Operator : MA/JU
 Sample : 04235-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYD9

Manual Integrations
 APPROVED

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

Quant Time: Sep 12 04:52:32 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	4663	0.400	ng/ul	0.00
4) Naphthalene-d8	10.796	136	11011	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.620	164	4672	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.371	188	8703	0.400	ng/ul	0.00
17) Chrysene-d12	21.542	240	4433	0.400	ng/ul	# 0.00
23) Perylene-d12	23.959	264	4429	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.389	96	21727	3.049	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.374	152	2523	0.178	ng/ul	0.00
18) Fluoranthene-d10	19.394	212	3474	0.162	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.845	128	11264	0.312	ng/ul	99
7) 2-Methylnaphthalene	12.451	142	7706	0.375	ng/ul	100
8) 1-Methylnaphthalene	12.671	142	2890	0.140	ng/ul	100
10) Acenaphthylene	14.351	152	2305	0.080	ng/ul#	92
11) Acenaphthene	14.685	153	4192	0.187	ng/ul	100
12) Fluorene	15.670	166	1185	0.047	ng/ul#	96
15) Phenanthrene	17.413	178	157382	4.283	ng/ul	99
16) Anthracene	17.506	178	13585	0.431	ng/ul	98
19) Fluoranthene	19.427	202	579398	11.074	ng/ul	99
20) Pyrene	19.789	202	474364	9.128	ng/ul	96
21) Benzo(a)anthracene	21.524	228	199317	5.513	ng/ul	99
22) Chrysene	21.580	228	261174	6.696	ng/ul	98
24) Benzo(b)fluoranthene	23.219	252	395269	9.974	ng/ul	91
25) Benzo(k)fluoranthene	23.266	252	138438m	3.569	ng/ul	
26) Benzo(a)pyrene	23.857	252	187173	5.812	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	26.465	276	226325	5.123	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.475	278	48807	1.576	ng/ul	96
29) Benzo(g,h,i)perylene	27.249	276	236275	6.036	ng/ul	97

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

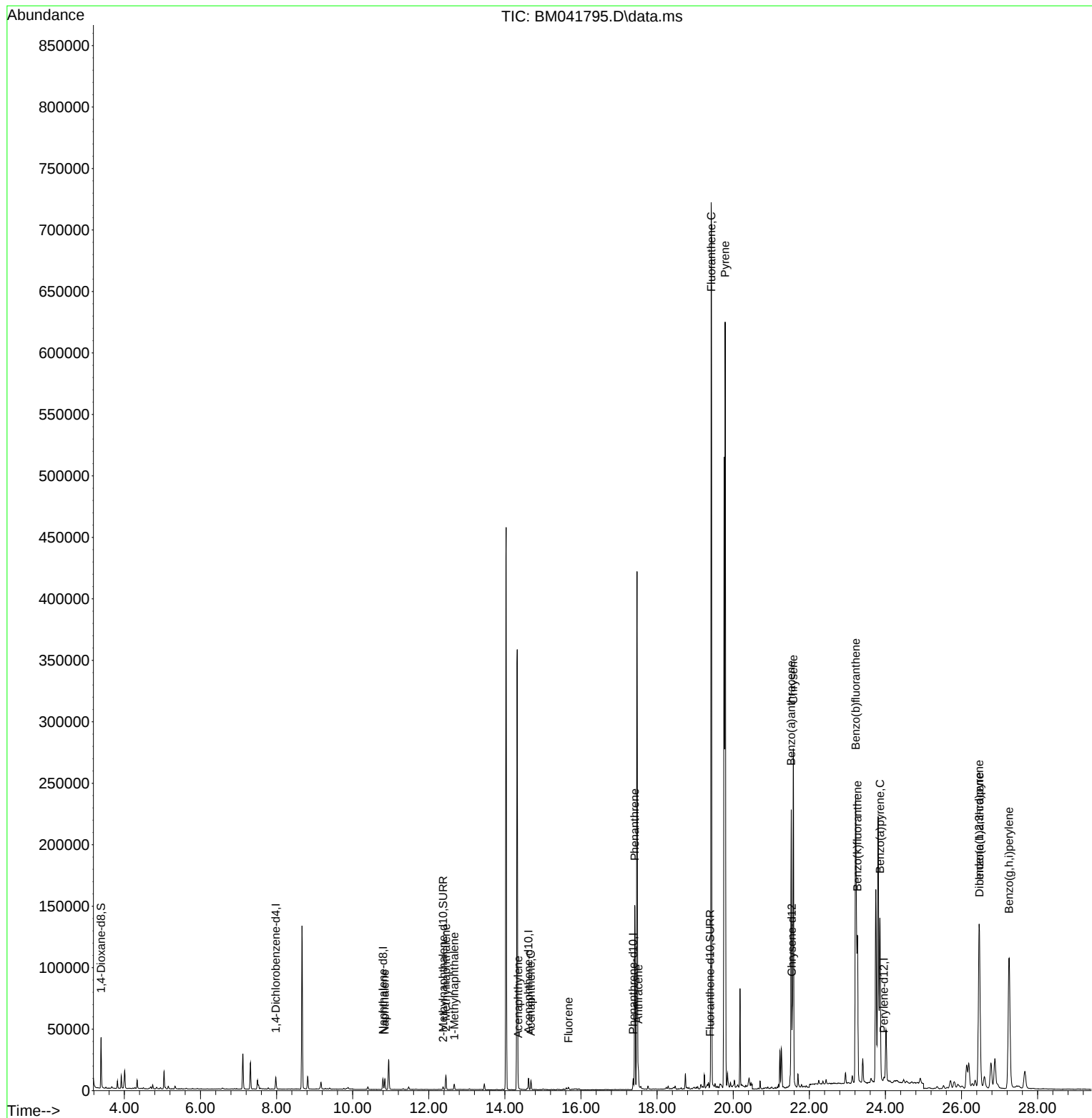
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091123\
Data File : BM041795.D
Acq On : 12 Sep 2023 01:44
Operator : MA/JU
Sample : 04235-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

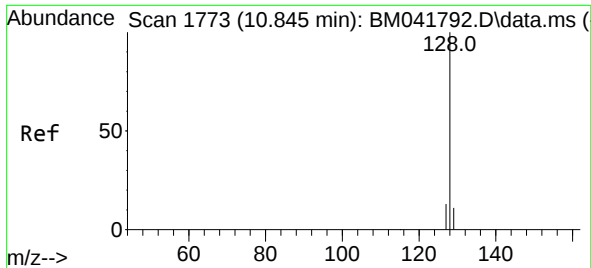
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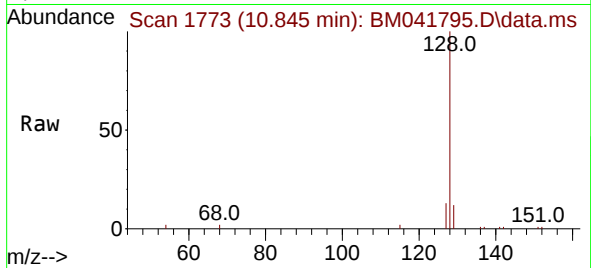
Quant Time: Sep 12 04:52:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM090523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 04:50:34 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.312 ng/ul
RT: 10.845 min Scan# 1126
Delta R.T. -0.000 min
Lab File: BM041795.D
Acq: 12 Sep 2023 01:44

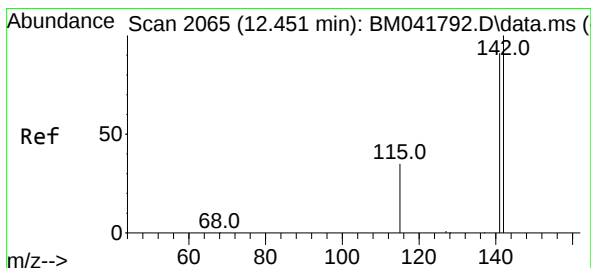
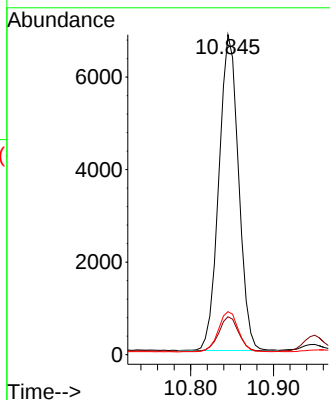
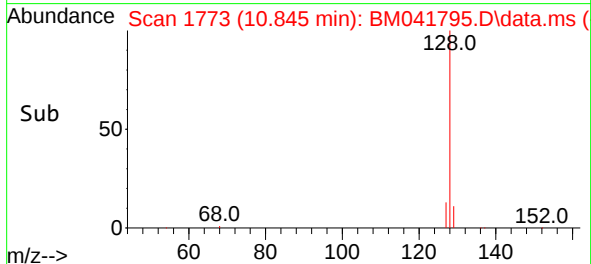
Instrument :
BNA_M
ClientSampleId :
EZYD9



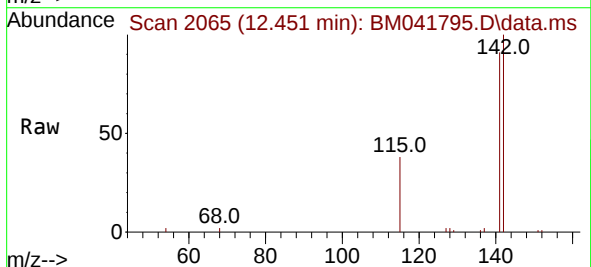
Tgt Ion:128 Resp: 1126
Ion Ratio Lower Upper
128 100
129 11.8 9.4 14.0
127 13.4 11.0 16.6

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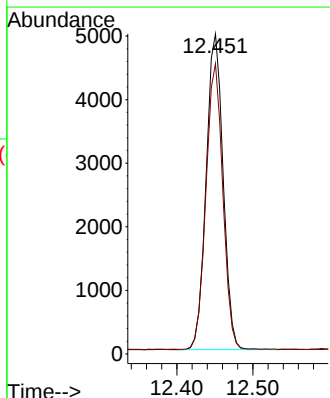
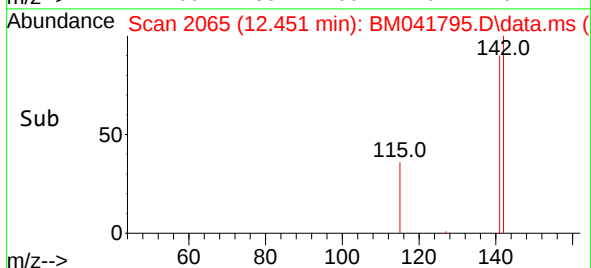
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023

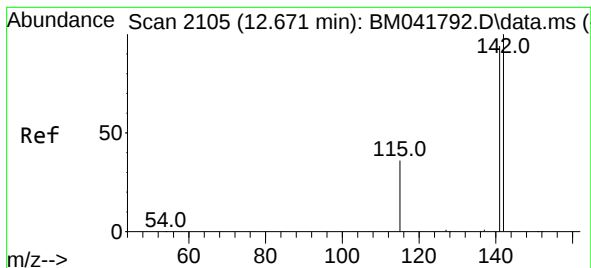


#7
2-Methylnaphthalene
Concen: 0.375 ng/ul
RT: 12.451 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BM041795.D
Acq: 12 Sep 2023 01:44



Tgt Ion:142 Resp: 7706
Ion Ratio Lower Upper
142 100
141 90.0 72.2 108.2





#8

1-Methylnaphthalene

Concen: 0.140 ng/ul

RT: 12.671 min Scan# 2105

Delta R.T. -0.000 min

Lab File: BM041795.D

Acq: 12 Sep 2023 01:44

Instrument :

BNA_M

ClientSampleId :

EZYD9

Tgt Ion:142 Resp: 2890

Ion Ratio Lower Upper

142 100

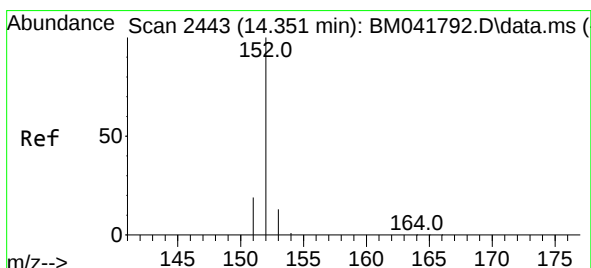
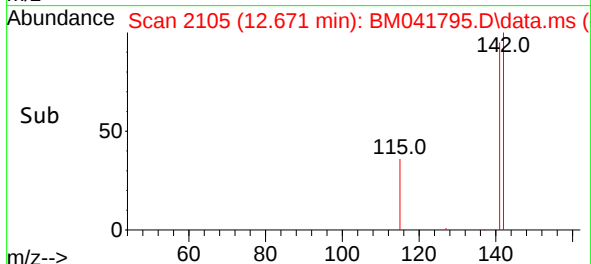
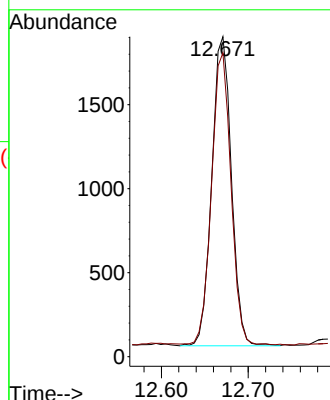
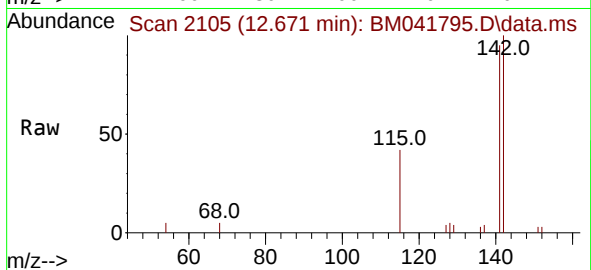
141 93.1 74.4 111.6

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#10

Acenaphthylene

Concen: 0.080 ng/ul

RT: 14.351 min Scan# 2443

Delta R.T. -0.000 min

Lab File: BM041795.D

Acq: 12 Sep 2023 01:44

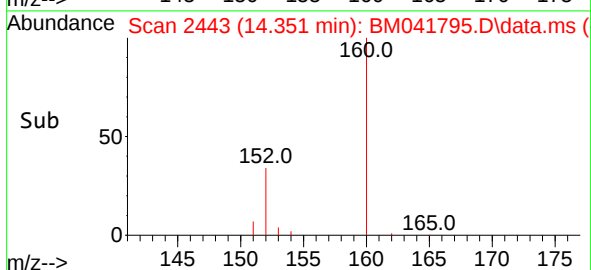
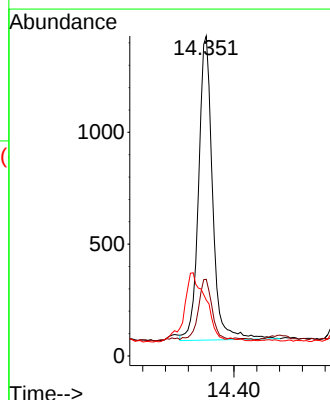
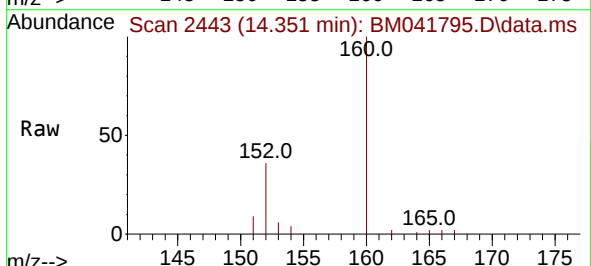
Tgt Ion:152 Resp: 2305

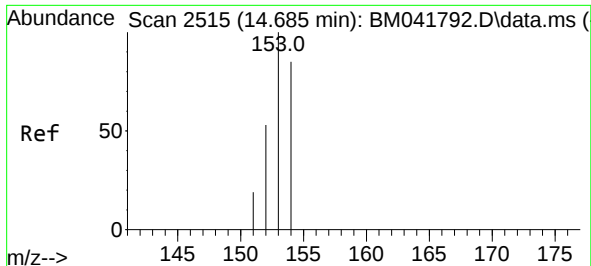
Ion Ratio Lower Upper

152 100

151 24.0 16.4 24.6

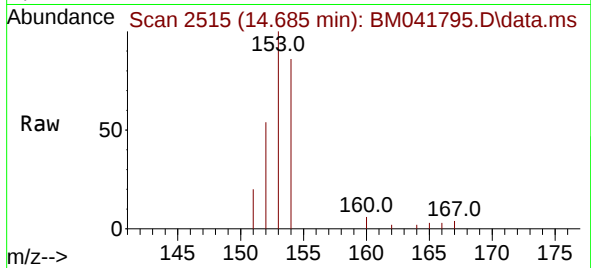
153 17.5 11.1 16.7#





#11
Acenaphthene
Concen: 0.187 ng/u1
RT: 14.685 min Scan# 2515
Delta R.T. 0.000 min
Lab File: BM041795.D
Acq: 12 Sep 2023 01:44

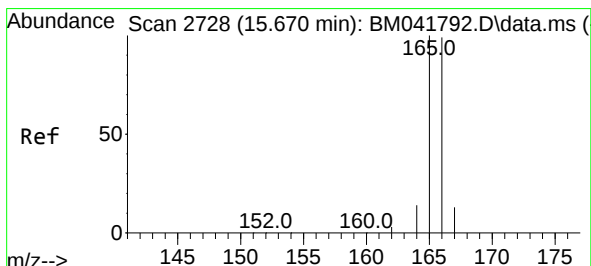
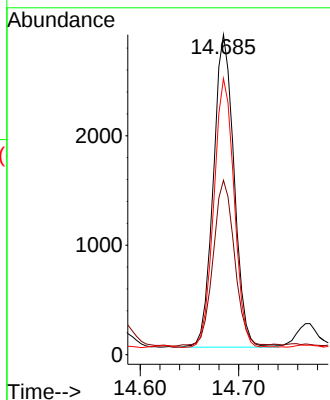
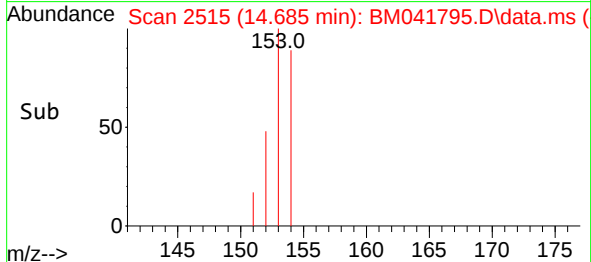
Instrument :
BNA_M
ClientSampleId :
EZYD9



Tgt Ion:153 Resp: 4192
Ion Ratio Lower Upper
153 100
152 54.5 43.4 65.2
154 86.3 69.4 104.0

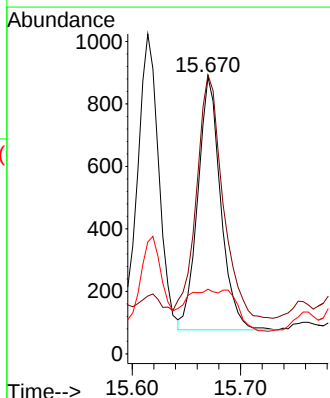
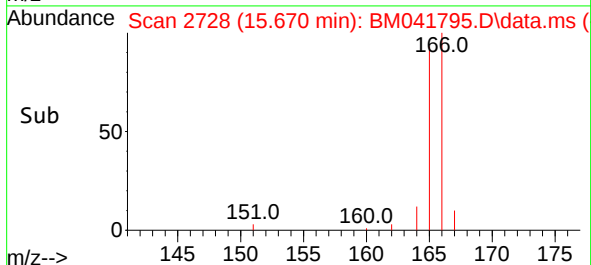
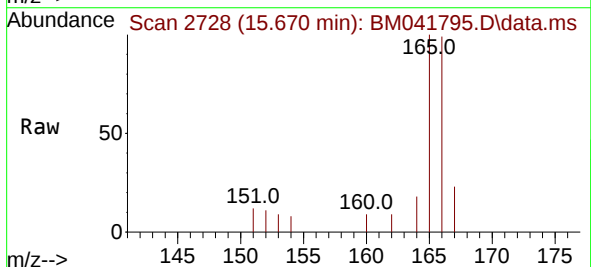
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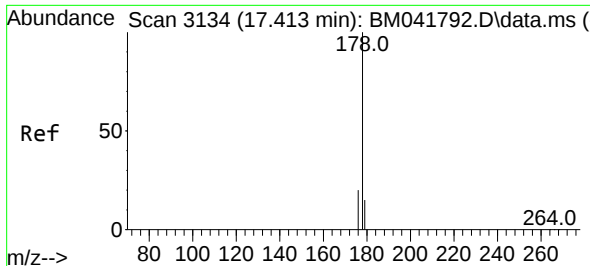
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



#12
Fluorene
Concen: 0.047 ng/u1
RT: 15.670 min Scan# 2728
Delta R.T. 0.000 min
Lab File: BM041795.D
Acq: 12 Sep 2023 01:44

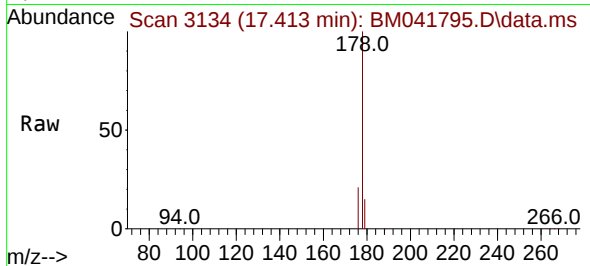
Tgt Ion:166 Resp: 1185
Ion Ratio Lower Upper
166 100
165 100.7 79.4 119.2
167 23.3 11.3 16.9#





#15
Phenanthrene
Concen: 4.283 ng/ul
RT: 17.413 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BM041795.D
Acq: 12 Sep 2023 01:44

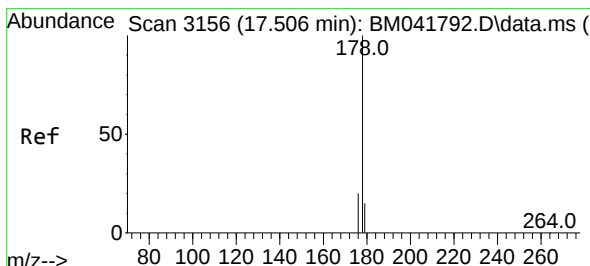
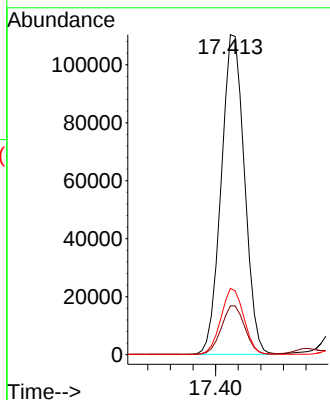
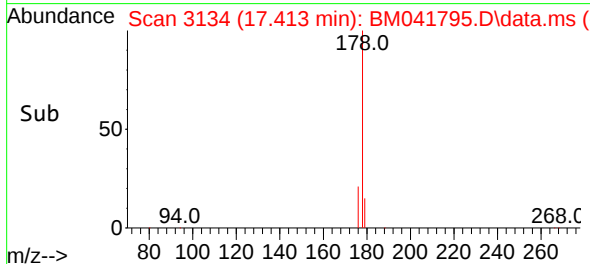
Instrument :
BNA_M
ClientSampleId :
EZYD9



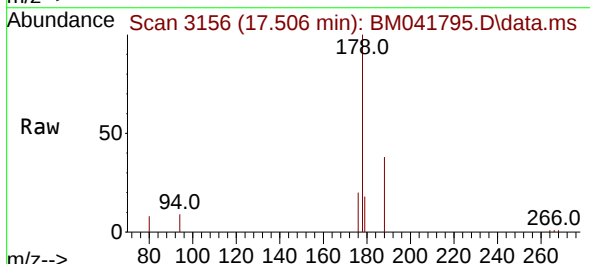
Tgt Ion:178 Resp: 15738
Ion Ratio Lower Upper
178 100
179 15.2 12.9 19.3
176 20.8 16.9 25.3

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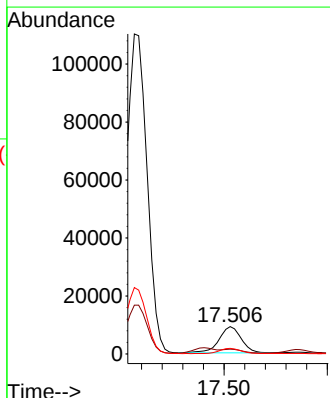
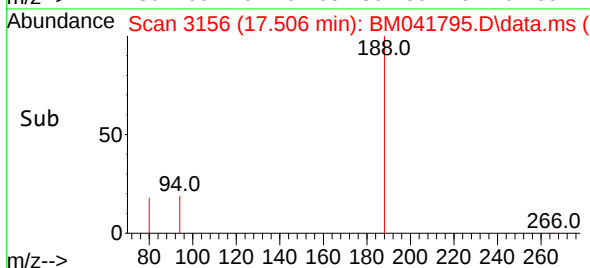
Reviewed By :Yogesh Patel 09/12/2023
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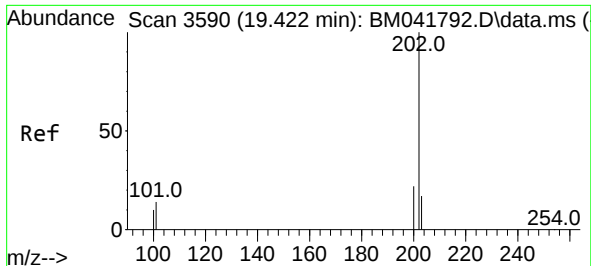


#16
Anthracene
Concen: 0.431 ng/ul
RT: 17.506 min Scan# 3156
Delta R.T. -0.000 min
Lab File: BM041795.D
Acq: 12 Sep 2023 01:44



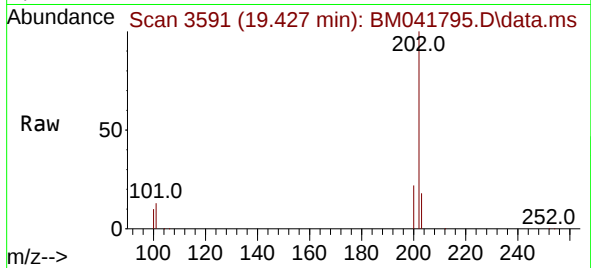
Tgt Ion:178 Resp: 13585
Ion Ratio Lower Upper
178 100
179 17.5 12.9 19.3
176 20.4 15.8 23.8





#19
Fluoranthene
Concen: 11.074 ng/ul
RT: 19.427 min Scan# 3590
Delta R.T. 0.005 min
Lab File: BM041795.D
Acq: 12 Sep 2023 01:44

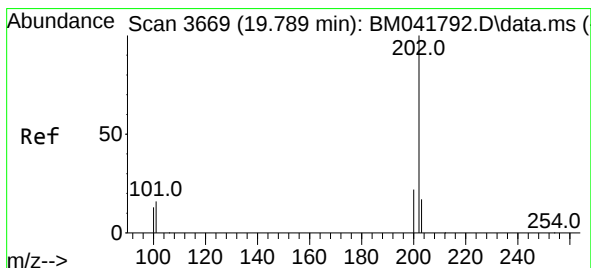
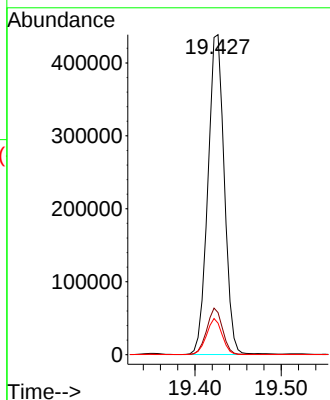
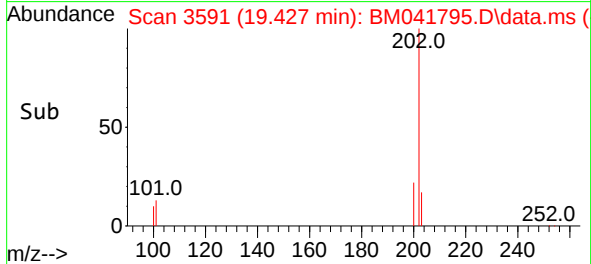
Instrument :
BNA_M
ClientSampleId :
EZYD9



Tgt Ion:202 Resp: 579398
Ion Ratio Lower Upper
202 100
101 13.2 10.5 15.7
100 9.9 8.4 12.6

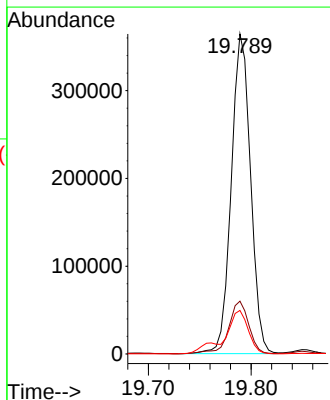
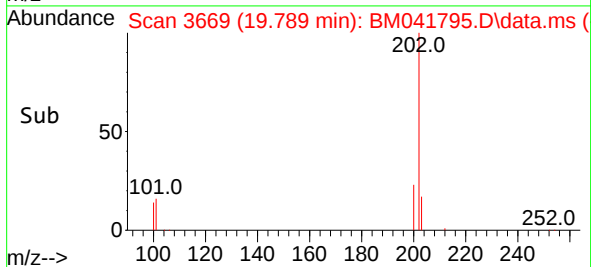
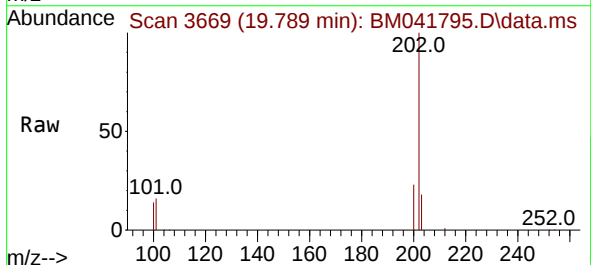
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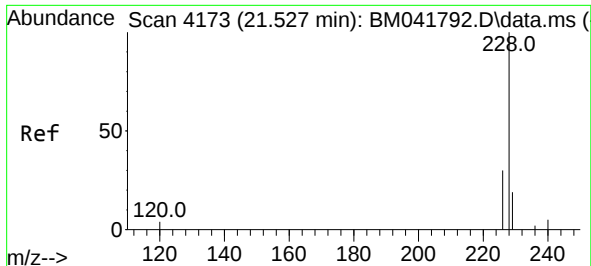
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023



#20
Pyrene
Concen: 9.128 ng/ul
RT: 19.789 min Scan# 3669
Delta R.T. -0.000 min
Lab File: BM041795.D
Acq: 12 Sep 2023 01:44

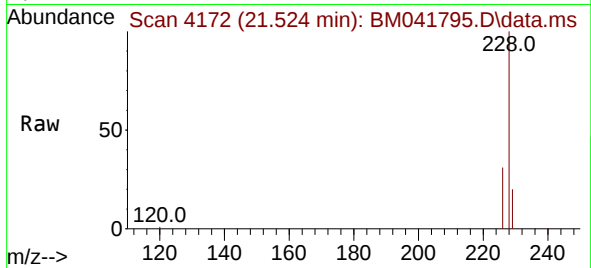
Tgt Ion:202 Resp: 474364
Ion Ratio Lower Upper
202 100
101 16.5 11.8 17.8
100 13.6 9.8 14.6





#21
Benzo(a)anthracene
Concen: 5.513 ng/ul
RT: 21.524 min Scan# 4173
Delta R.T. -0.003 min
Lab File: BM041795.D
Acq: 12 Sep 2023 01:44

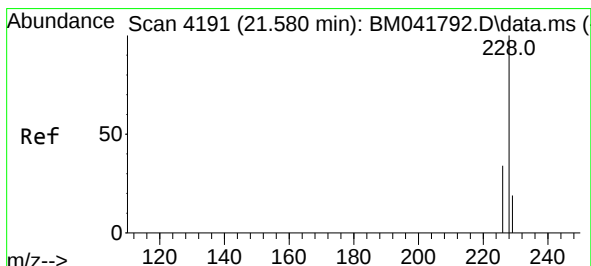
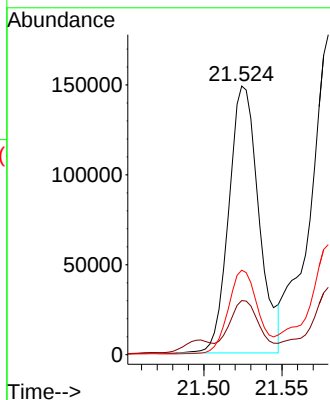
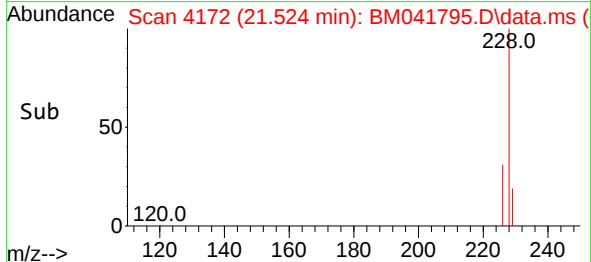
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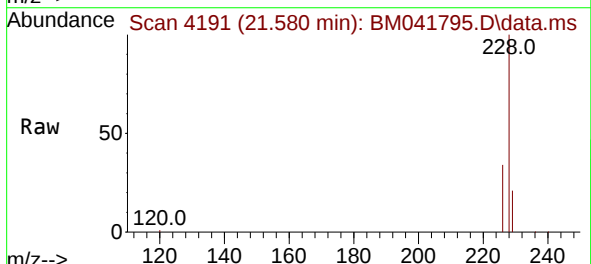
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Ion Ratio Lower Upper
228 100
229 20.1 15.8 23.6
226 31.5 24.8 37.2

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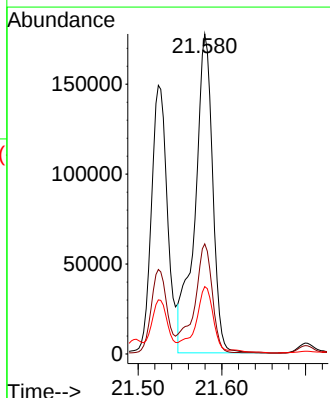
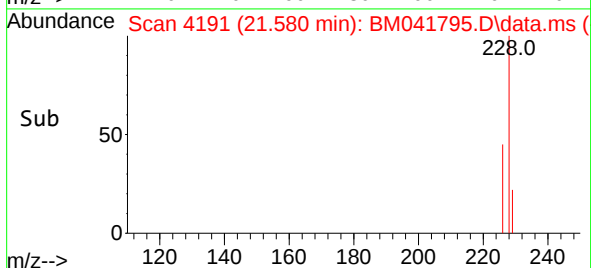
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023

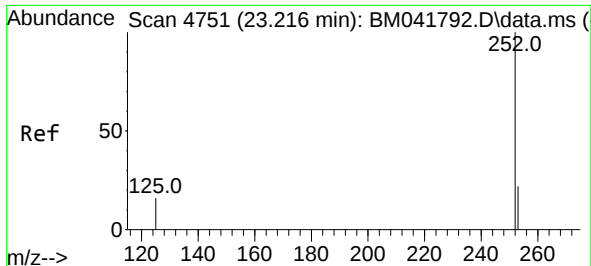


#22
Chrysene
Concen: 6.696 ng/ul
RT: 21.580 min Scan# 4191
Delta R.T. -0.000 min
Lab File: BM041795.D
Acq: 12 Sep 2023 01:44



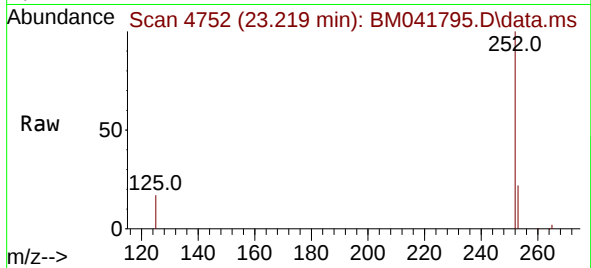
Tgt Ion:228 Resp: 261174
Ion Ratio Lower Upper
228 100
226 34.4 27.0 40.6
229 21.0 15.4 23.2





#24
Benzo(b)fluoranthene
Concen: 9.974 ng/ul
RT: 23.219 min Scan# 4752
Delta R.T. 0.003 min
Lab File: BM041795.D
Acq: 12 Sep 2023 01:44

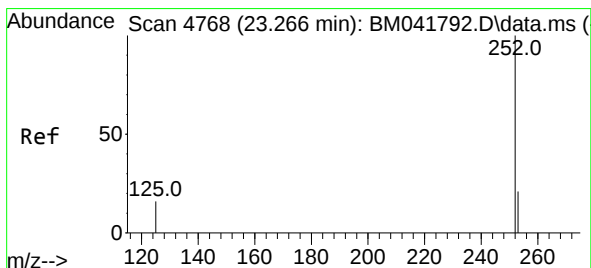
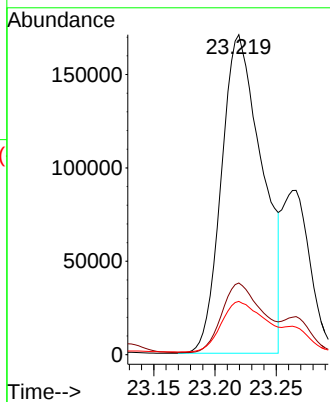
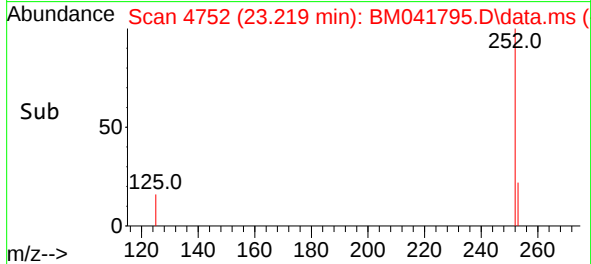
Instrument :
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ClientSampleId :
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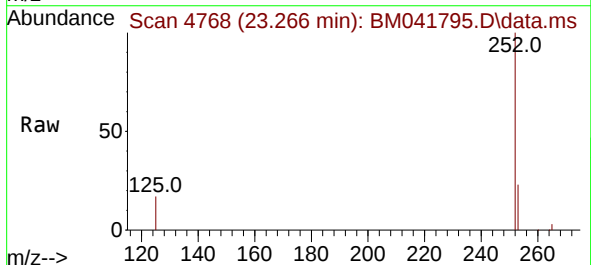
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Ion Ratio Lower Upper
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253 22.4 0.0 52.4
125 16.6 0.0 42.8

Manual Integrations
APPROVED

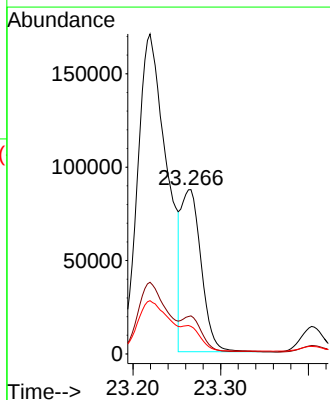
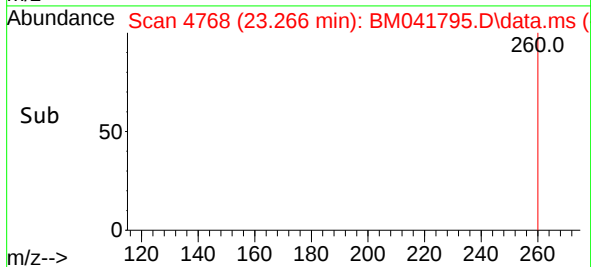
Reviewed By :Yogesh Patel 09/12/2023
Supervised By :mohammad ahmed 09/13/2023

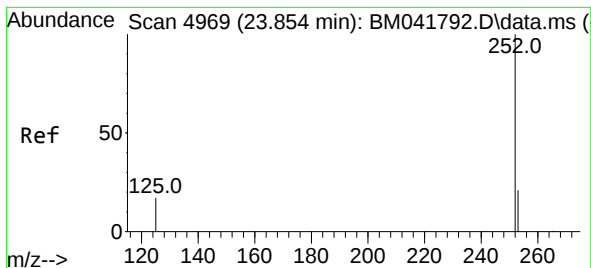


#25
Benzo(k)fluoranthene
Concen: 3.569 ng/ul m
RT: 23.266 min Scan# 4768
Delta R.T. -0.000 min
Lab File: BM041795.D
Acq: 12 Sep 2023 01:44



Tgt Ion:252 Resp: 138438
Ion Ratio Lower Upper
252 100
253 23.1 21.3 31.9
125 16.7 17.4 26.0





#26

Benzo(a)pyrene

Concen: 5.812 ng/ul

RT: 23.857 min Scan# 4969

Delta R.T. 0.003 min

Lab File: BM041795.D

Acq: 12 Sep 2023 01:44

Instrument :

BNA_M

ClientSampleId :

EZYD9

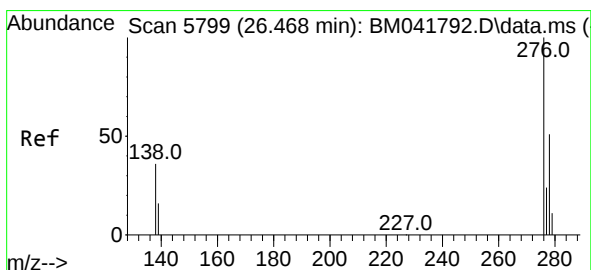
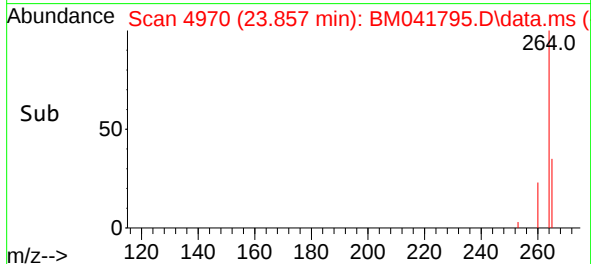
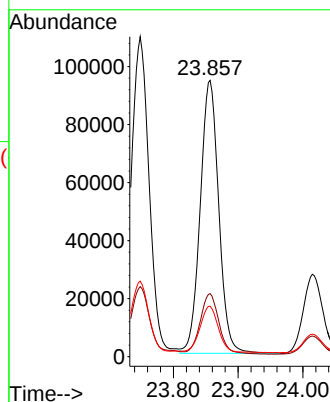
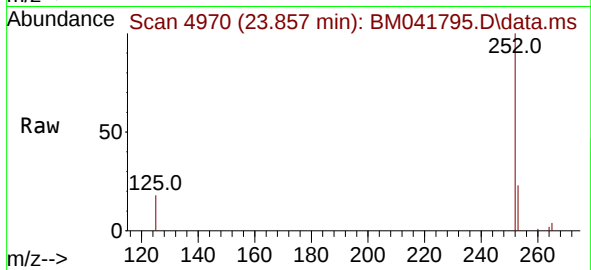
Tgt Ion:	252	Resp:	18717
Ion Ratio	Lower	Upper	
252	100		
253	22.8	22.4	33.6
125	18.2	21.0	31.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/12/2023

Supervised By :mohammad ahmed 09/13/2023



#27

Indeno(1,2,3-cd)pyrene

Concen: 5.123 ng/ul

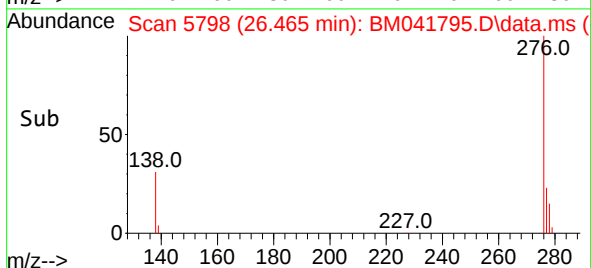
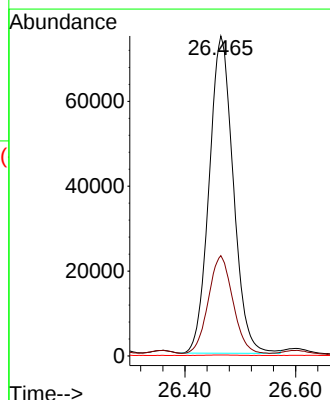
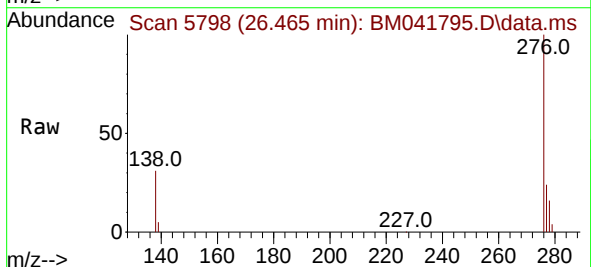
RT: 26.465 min Scan# 5798

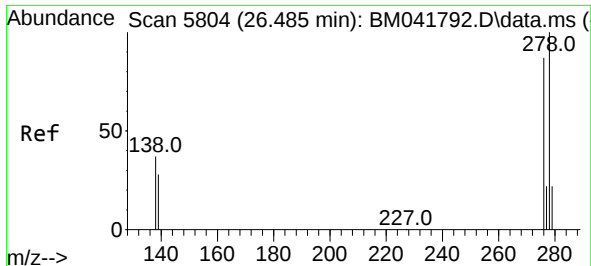
Delta R.T. -0.003 min

Lab File: BM041795.D

Acq: 12 Sep 2023 01:44

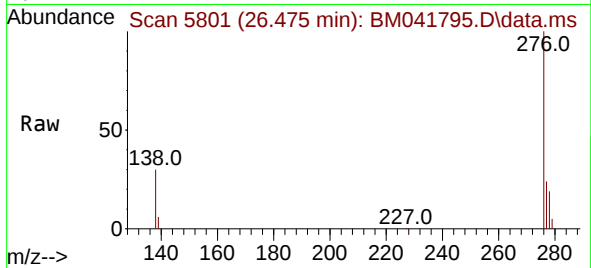
Tgt Ion:	276	Resp:	226325
Ion Ratio	Lower	Upper	
276	100		
138	31.4	26.4	39.6
227	0.2	0.1	0.1





#28
Dibenzo(a,h)anthracene
Concen: 1.576 ng/ul
RT: 26.475 min Scan# 5801
Delta R.T. -0.010 min
Lab File: BM041795.D
Acq: 12 Sep 2023 01:44

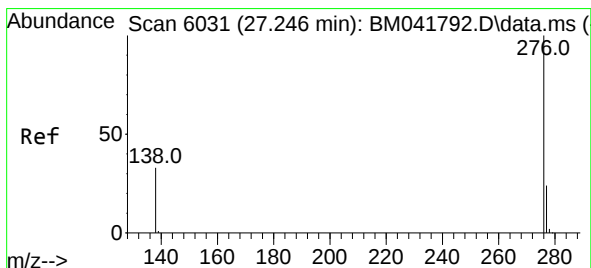
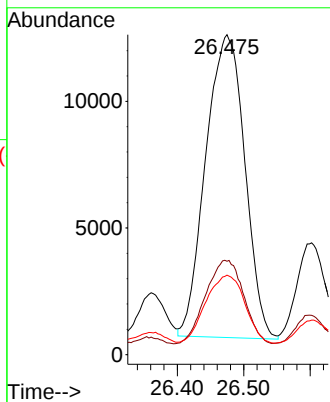
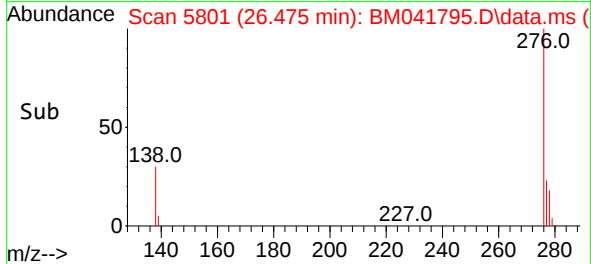
Instrument :
BNA_M
ClientSampleId :
EZYD9



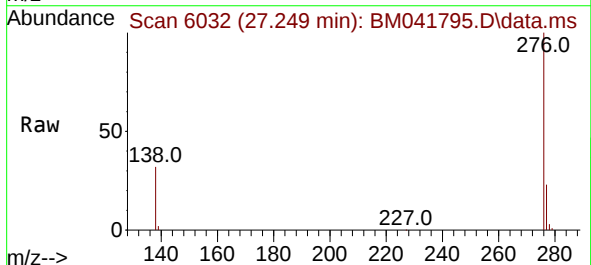
Tgt Ion:278 Resp: 4880
Ion Ratio Lower Upper
278 100
139 29.2 23.0 34.6
279 24.8 22.9 34.3

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 6.036 ng/ul
RT: 27.249 min Scan# 6032
Delta R.T. 0.003 min
Lab File: BM041795.D
Acq: 12 Sep 2023 01:44



Tgt Ion:276 Resp: 236275
Ion Ratio Lower Upper
276 100
138 32.4 25.0 37.4
277 23.3 20.2 30.2

