

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070524\
 Data File : BM046420.D
 Acq On : 06 Jul 2024 15:47
 Operator : MA/JU
 Sample : P2982-21
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BC4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :mohammad ahmed 07/08/2024

Quant Time: Jul 08 00:49:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM070524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 05 16:01:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.535	152	12096	0.400	ng/ul	0.00
4) Naphthalene-d8	10.299	136	35071	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.178	164	20195	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.930	188	36409	0.400	ng/ul	0.00
17) Chrysene-d12	21.140	240	17547	0.400	ng/ul	# 0.00
23) Perylene-d12	23.300	264	18242	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.130	96	30544	2.445	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.899	152	14181	0.273	ng/ul	0.00
18) Fluoranthene-d10	18.970	212	18882	0.307	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.348	128	15925	0.171	ng/ul	100
7) 2-Methylnaphthalene	11.976	142	7559	0.120	ng/ul	99
8) 1-Methylnaphthalene	12.196	142	5764	0.089	ng/ul	100
10) Acenaphthylene	13.896	152	34136	0.333	ng/ul	99
11) Acenaphthene	14.243	153	20671	0.309	ng/ul	98
12) Fluorene	15.238	166	25648	0.325	ng/ul	99
14) Pentachlorophenol	16.588	266	327	0.031	ng/ul	99
15) Phenanthrene	16.972	178	425443	3.902	ng/ul	99
16) Anthracene	17.065	178	77691	0.735	ng/ul	100
19) Fluoranthene	18.997	202	759705	8.565	ng/ul	98
20) Pyrene	19.365	202	506164	5.546	ng/ul#	94
21) Benzo(a)anthracene	21.122	228	286058	3.649	ng/ul	95
22) Chrysene	21.175	228	321882	4.129	ng/ul	98
24) Benzo(b)fluoranthene	22.662	252	434758m	5.606	ng/ul	
25) Benzo(k)fluoranthene	22.700	252	131306m	1.677	ng/ul	
26) Benzo(a)pyrene	23.206	252	144835	2.363	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.447	276	156694	1.892	ng/ul#	88
28) Dibenzo(a,h)anthracene	25.460	278	51151	0.798	ng/ul	93
29) Benzo(g,h,i)perylene	26.094	276	24064	0.364	ng/ul#	88

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

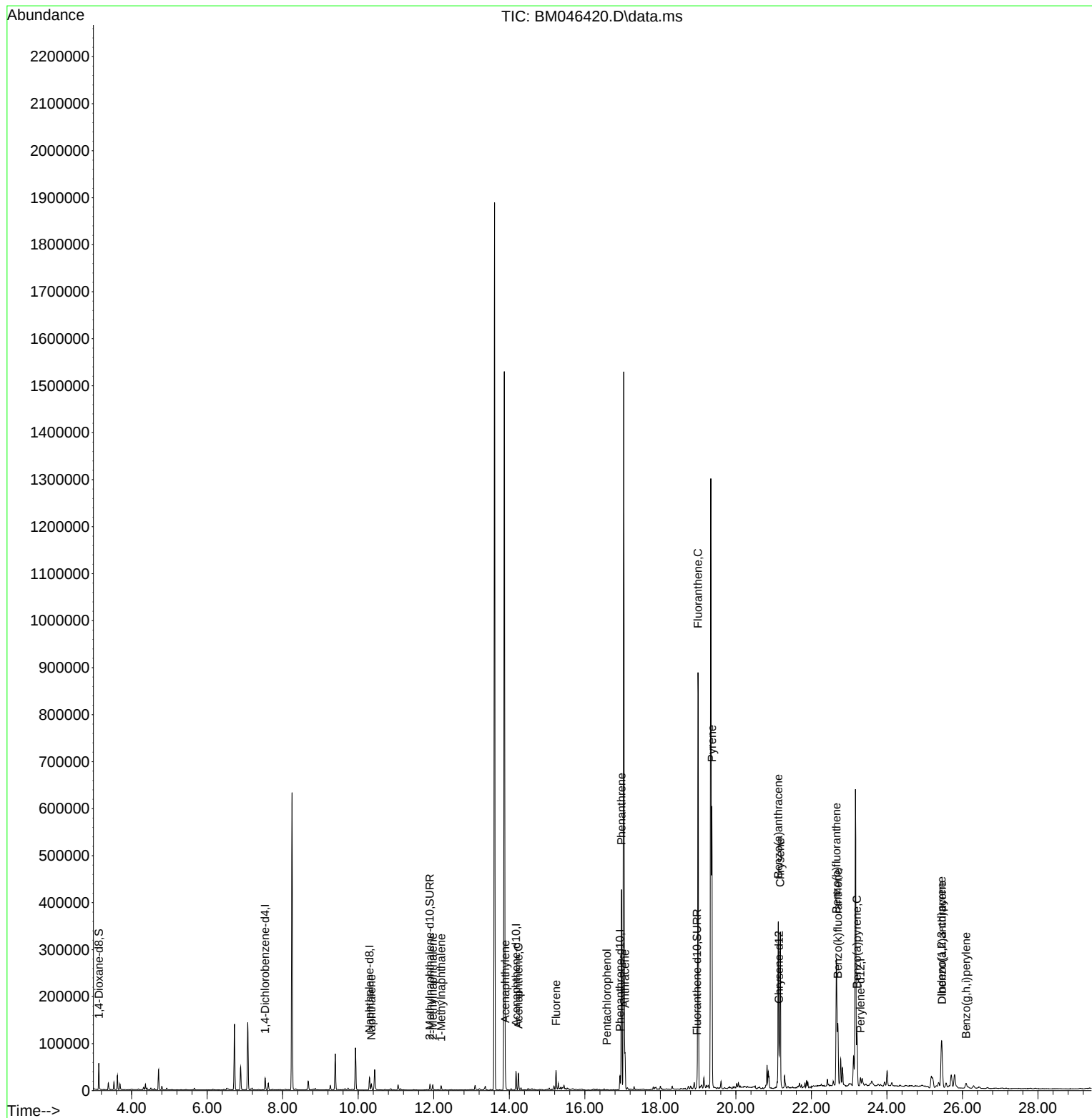
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070524\
Data File : BM046420.D
Acq On : 06 Jul 2024 15:47
Operator : MA/JU
Sample : P2982-21
Misc :
ALS Vial : 46 Sample Multiplier: 1

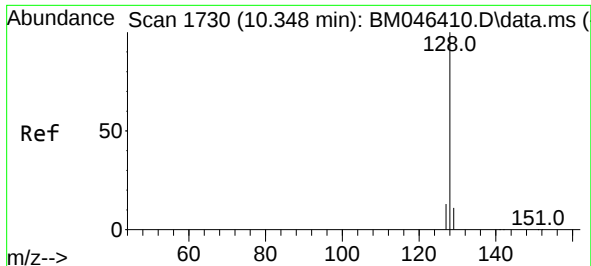
Instrument :
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ClientSampleId :
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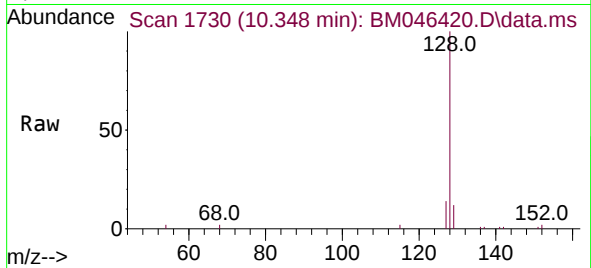
Quant Time: Jul 08 00:49:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM070524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 05 16:01:25 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.171 ng/ul
RT: 10.348 min Scan# 1730
Delta R.T. -0.004 min
Lab File: BM046420.D
Acq: 06 Jul 2024 15:47

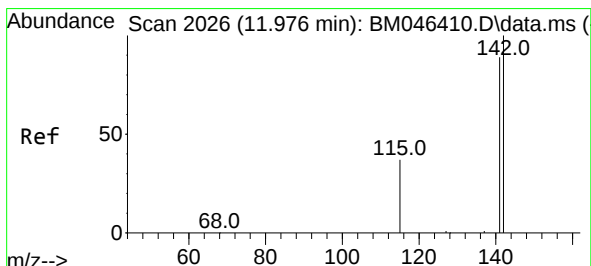
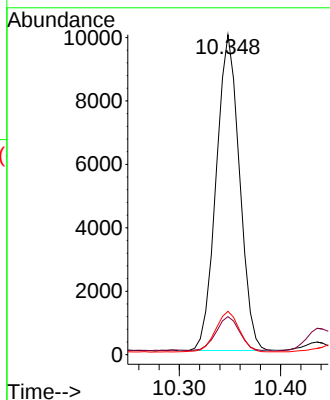
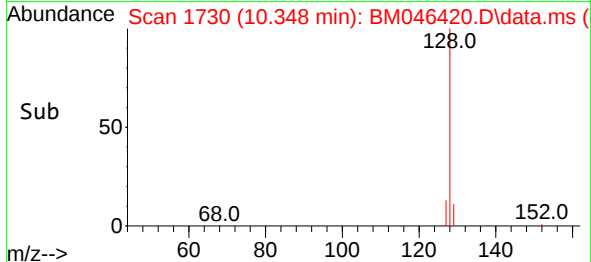
Instrument :
BNA_M
ClientSampleId :
A4BC4



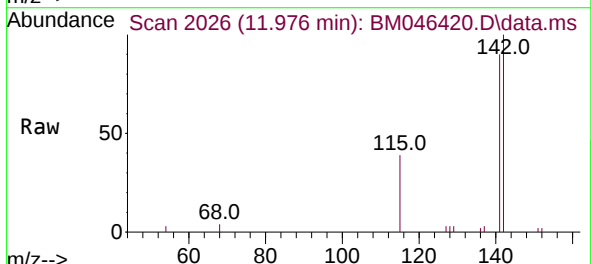
Tgt Ion:128 Resp: 1592
Ion Ratio Lower Upper
128 100
129 11.9 9.4 14.0
127 13.5 10.8 16.2

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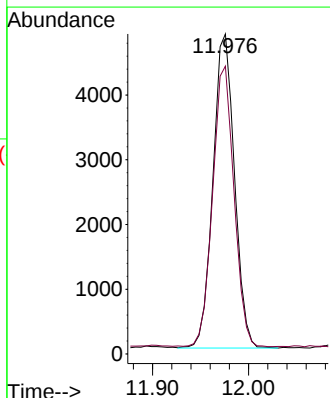
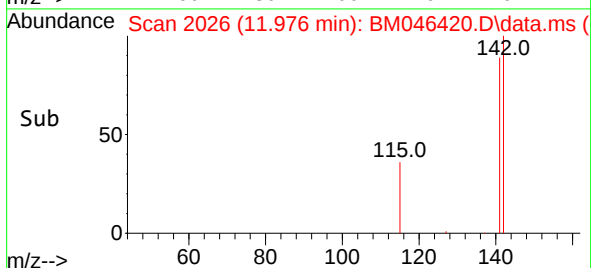
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024

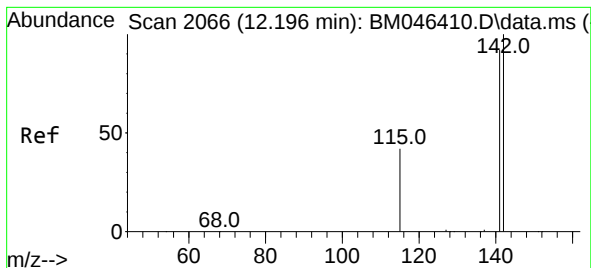


#7
2-Methylnaphthalene
Concen: 0.120 ng/ul
RT: 11.976 min Scan# 2026
Delta R.T. -0.004 min
Lab File: BM046420.D
Acq: 06 Jul 2024 15:47



Tgt Ion:142 Resp: 7559
Ion Ratio Lower Upper
142 100
141 88.6 69.8 104.6





#8

1-Methylnaphthalene

Concen: 0.089 ng/ul

RT: 12.196 min Scan# 2066

Delta R.T. -0.004 min

Lab File: BM046420.D

Acq: 06 Jul 2024 15:47

Instrument :

BNA_M

ClientSampleId :

A4BC4

Tgt Ion:142 Resp: 576

Ion Ratio Lower Upper

142 100

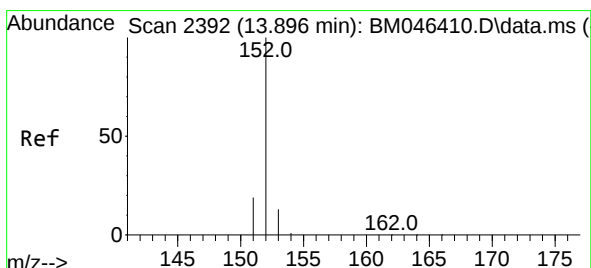
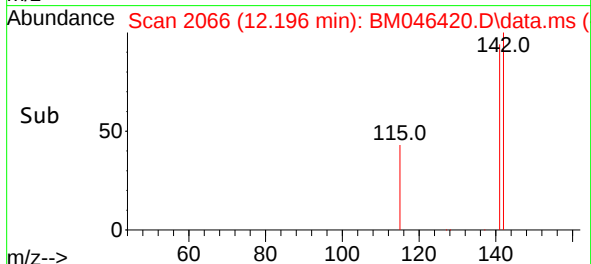
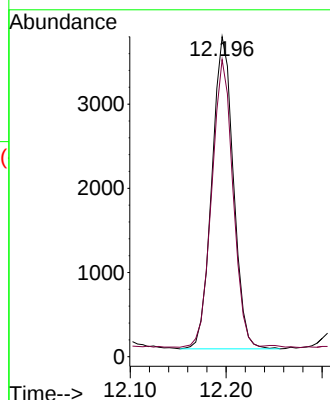
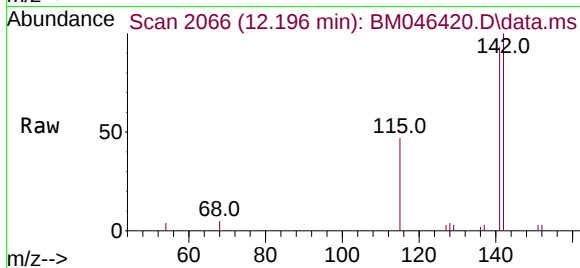
141 90.8 72.4 108.6

Manual Integrations

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Supervised By :mohammad ahmed 07/08/2024



#10

Acenaphthylene

Concen: 0.333 ng/ul

RT: 13.896 min Scan# 2392

Delta R.T. -0.003 min

Lab File: BM046420.D

Acq: 06 Jul 2024 15:47

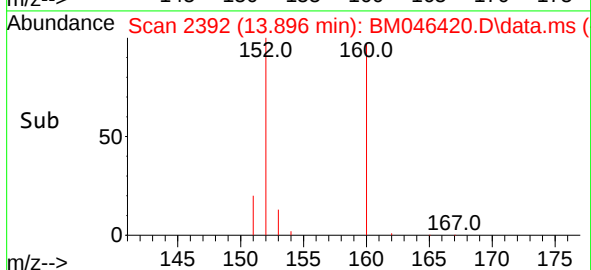
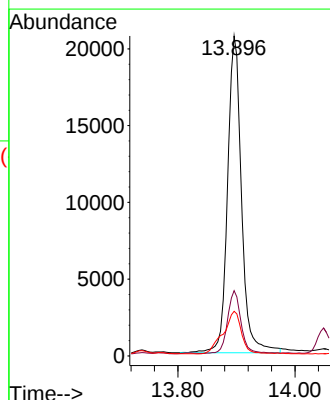
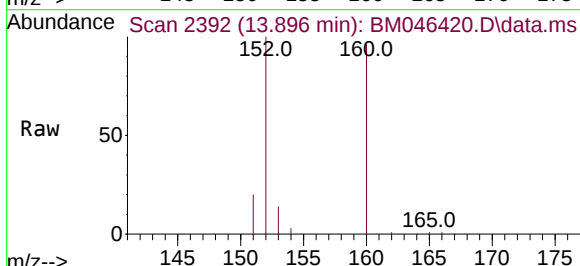
Tgt Ion:152 Resp: 34136

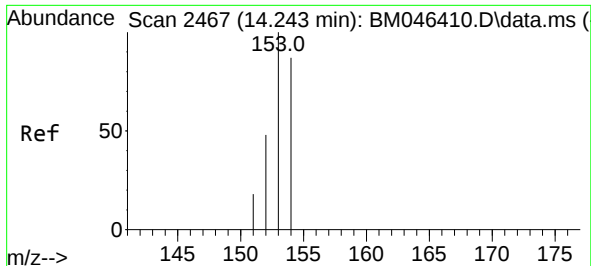
Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

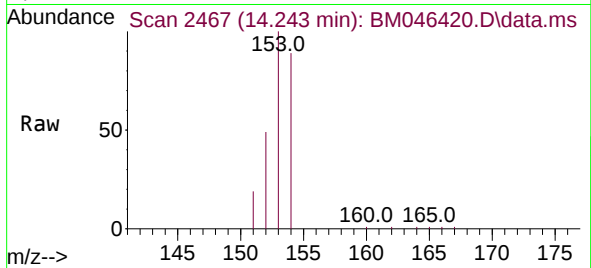
153 13.9 11.0 16.6





#11
Acenaphthene
Concen: 0.309 ng/ul
RT: 14.243 min Scan# 2467
Delta R.T. -0.003 min
Lab File: BM046420.D
Acq: 06 Jul 2024 15:47

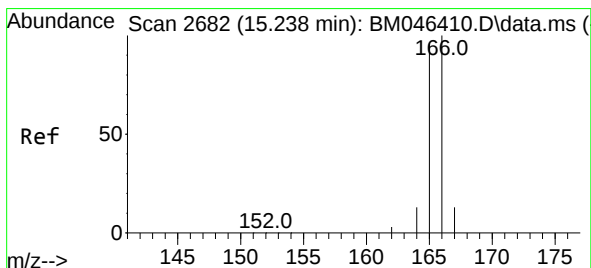
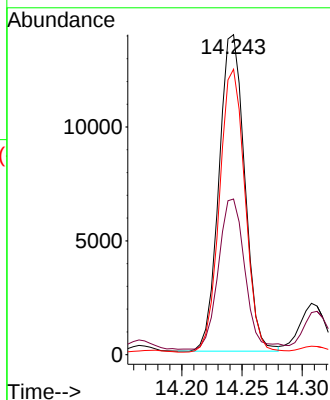
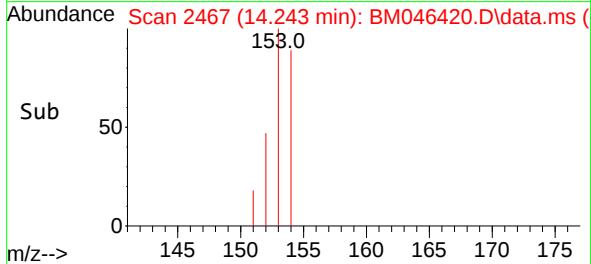
Instrument :
BNA_M
ClientSampleId :
A4BC4



Tgt Ion:153 Resp: 2067
Ion Ratio Lower Upper
153 100
152 48.6 40.4 60.6
154 89.2 72.1 108.1

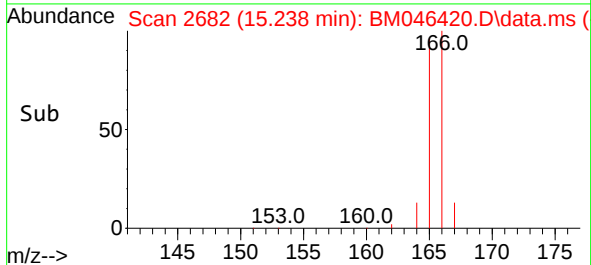
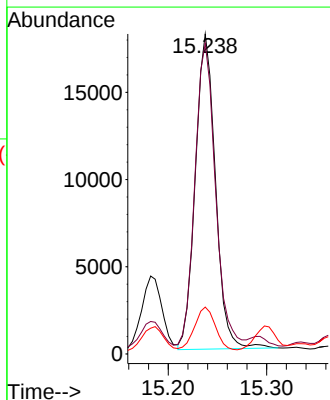
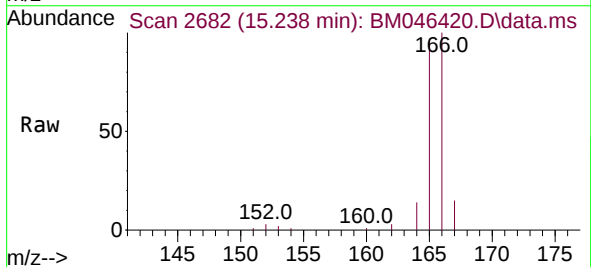
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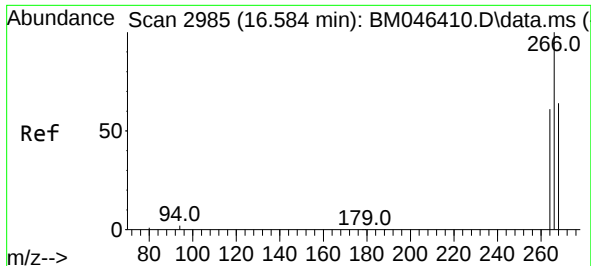
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#12
Fluorene
Concen: 0.325 ng/ul
RT: 15.238 min Scan# 2682
Delta R.T. -0.003 min
Lab File: BM046420.D
Acq: 06 Jul 2024 15:47

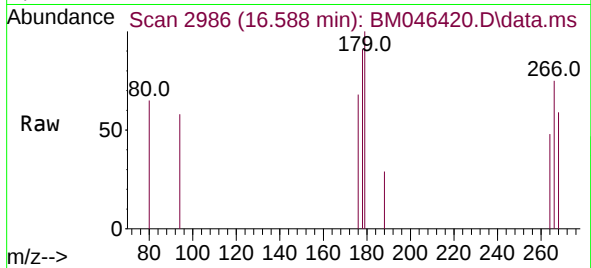
Tgt Ion:166 Resp: 25648
Ion Ratio Lower Upper
166 100
165 97.1 78.0 117.0
167 14.7 11.4 17.0





#14
Pentachlorophenol
Concen: 0.031 ng/ul
RT: 16.588 min Scan# 2985
Delta R.T. 0.001 min
Lab File: BM046420.D
Acq: 06 Jul 2024 15:47

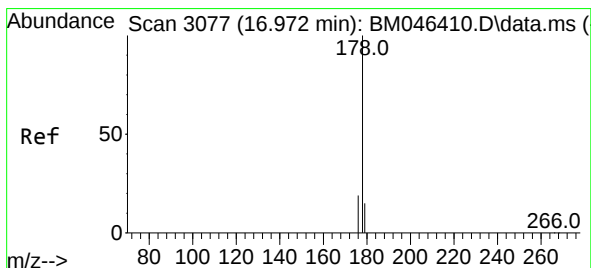
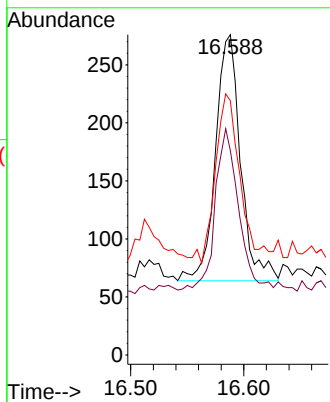
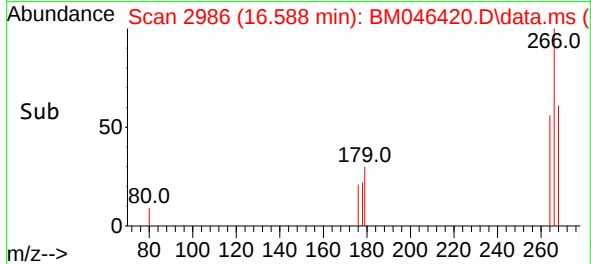
Instrument :
BNA_M
ClientSampleId :
A4BC4



Tgt Ion:266 Resp: 321
Ion Ratio Lower Upper
266 100
264 64.5 51.0 76.6
268 63.9 50.8 76.2

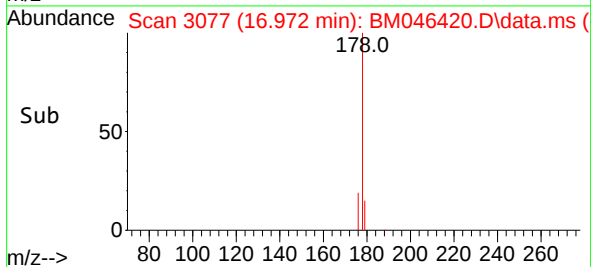
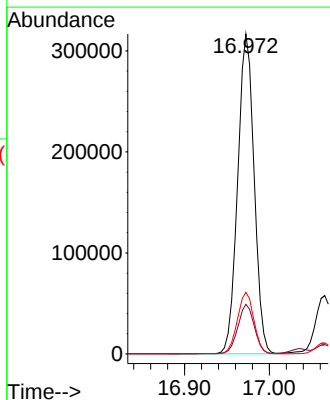
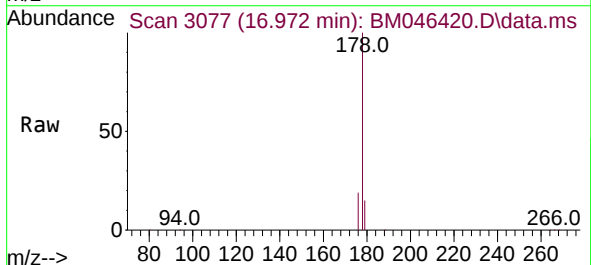
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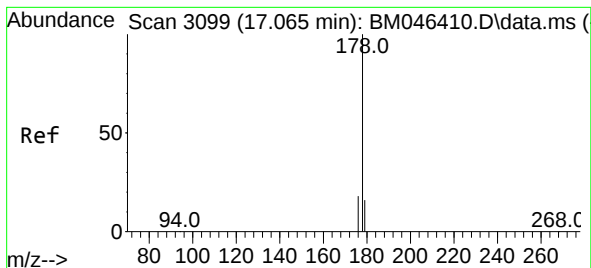
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#15
Phenanthrene
Concen: 3.902 ng/ul
RT: 16.972 min Scan# 3077
Delta R.T. -0.003 min
Lab File: BM046420.D
Acq: 06 Jul 2024 15:47

Tgt Ion:178 Resp: 425443
Ion Ratio Lower Upper
178 100
179 15.5 12.7 19.1
176 19.2 16.0 24.0





#16

Anthracene

Concen: 0.735 ng/ul

RT: 17.065 min Scan# 3099

Delta R.T. -0.003 min

Lab File: BM046420.D

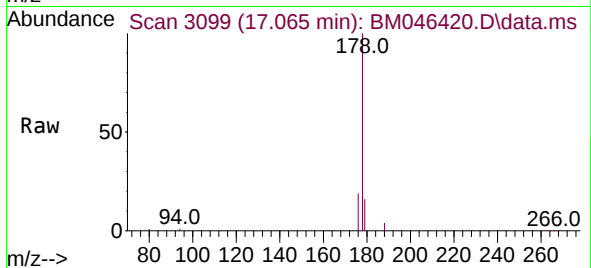
Acq: 06 Jul 2024 15:47

Instrument :

BNA_M

ClientSampleId :

A4BC4



Tgt Ion:178 Resp: 7769

Ion Ratio Lower Upper

178 100

179 16.0 12.6 18.8

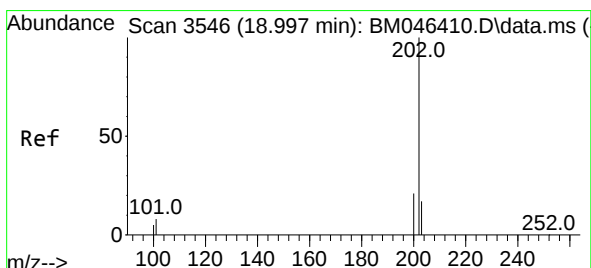
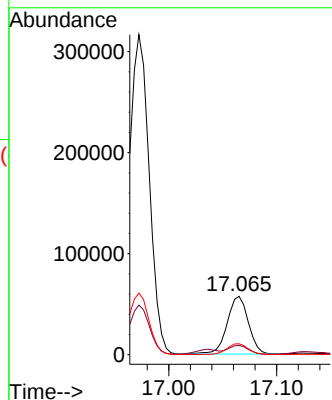
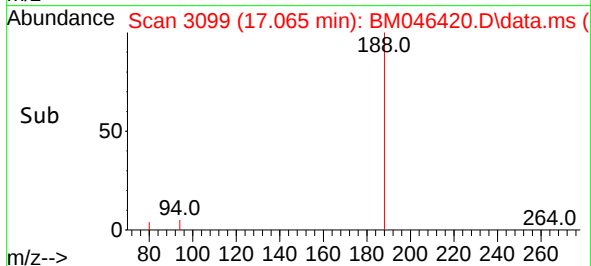
176 18.7 14.9 22.3

Manual Integrations

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Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#19

Fluoranthene

Concen: 8.565 ng/ul

RT: 18.997 min Scan# 3546

Delta R.T. -0.008 min

Lab File: BM046420.D

Acq: 06 Jul 2024 15:47

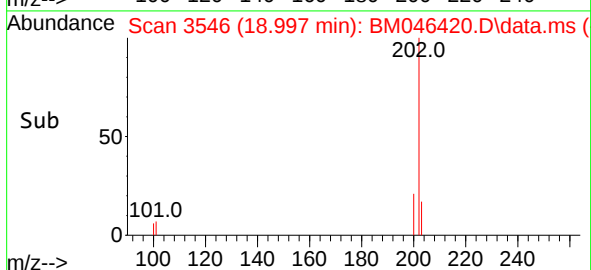
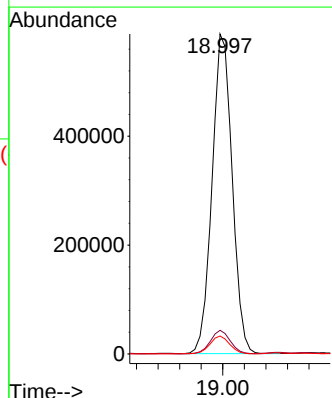
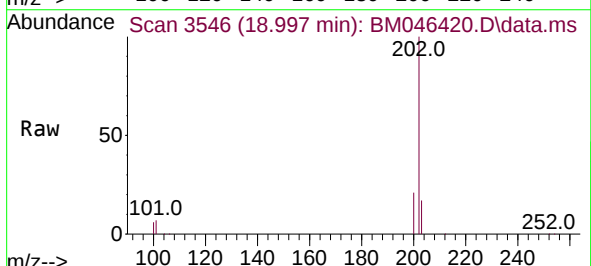
Tgt Ion:202 Resp: 759705

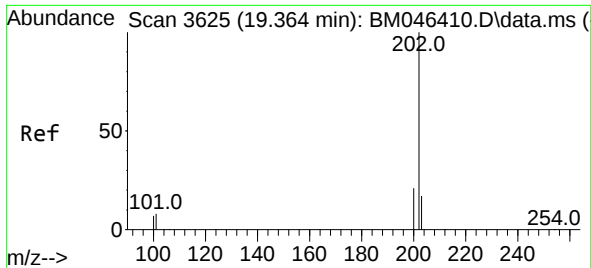
Ion Ratio Lower Upper

202 100

101 7.4 6.3 9.5

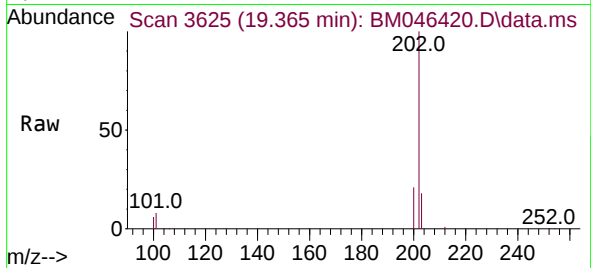
100 5.6 5.0 7.6





#20
Pyrene
Concen: 5.546 ng/ul
RT: 19.365 min Scan# 30
Delta R.T. 0.001 min
Lab File: BM046420.D
Acq: 06 Jul 2024 15:47

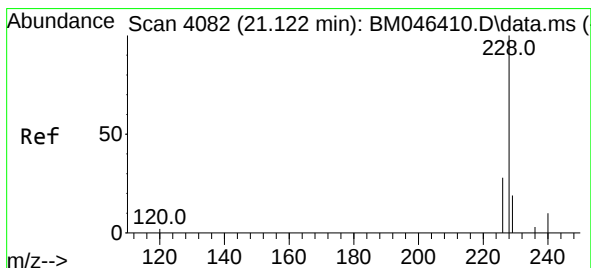
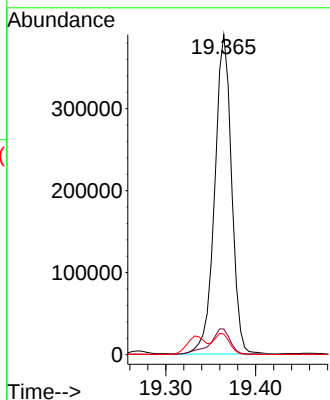
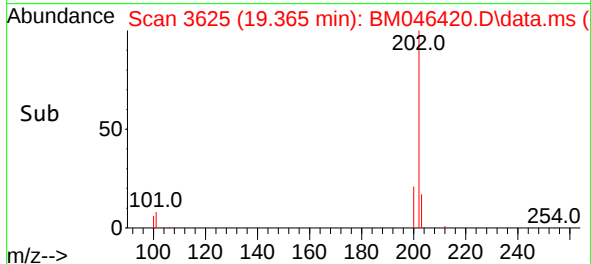
Instrument :
BNA_M
ClientSampleId :
A4BC4



Tgt Ion:202 Resp: 506164
Ion Ratio Lower Upper
202 100
101 8.1 8.2 12.4
100 6.4 6.9 10.3

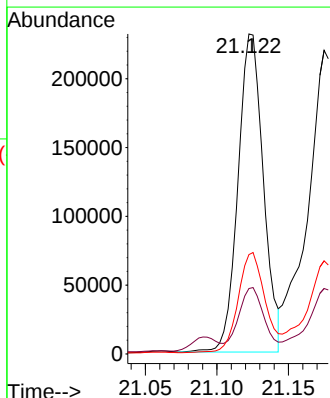
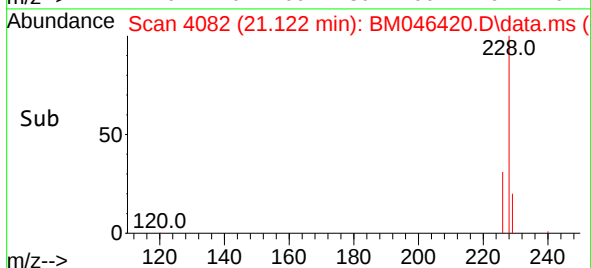
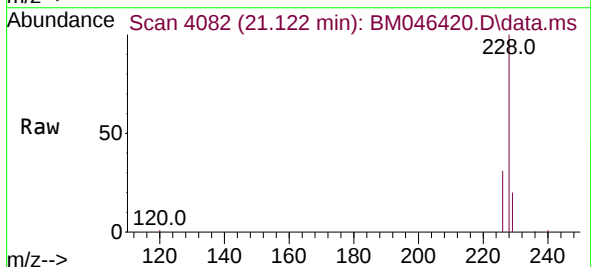
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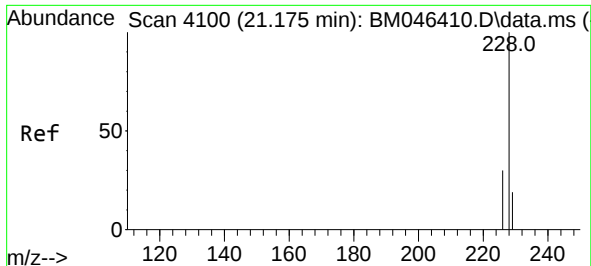
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#21
Benzo(a)anthracene
Concen: 3.649 ng/ul
RT: 21.122 min Scan# 4082
Delta R.T. -0.003 min
Lab File: BM046420.D
Acq: 06 Jul 2024 15:47

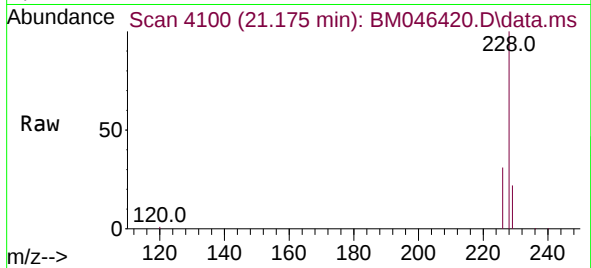
Tgt Ion:228 Resp: 286058
Ion Ratio Lower Upper
228 100
229 20.5 15.8 23.6
226 31.1 22.0 33.0





#22
Chrysene
Concen: 4.129 ng/ul
RT: 21.175 min Scan# 4100
Delta R.T. -0.003 min
Lab File: BM046420.D
Acq: 06 Jul 2024 15:47

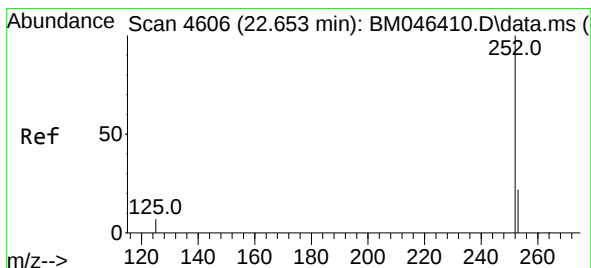
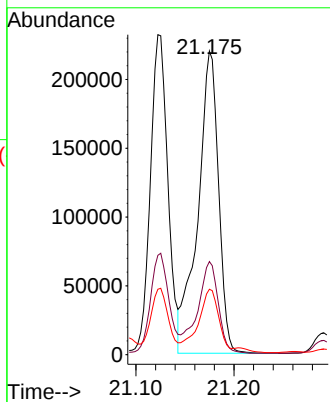
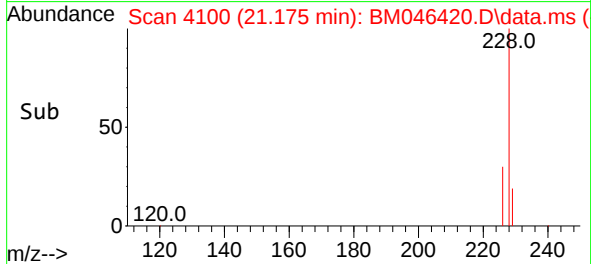
Instrument :
BNA_M
ClientSampleId :
A4BC4



Tgt Ion:228 Resp: 32188
Ion Ratio Lower Upper
228 100
226 30.7 24.1 36.1
229 21.6 15.8 23.6

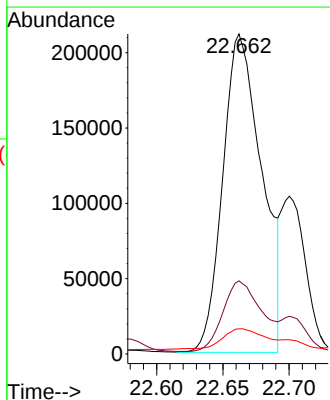
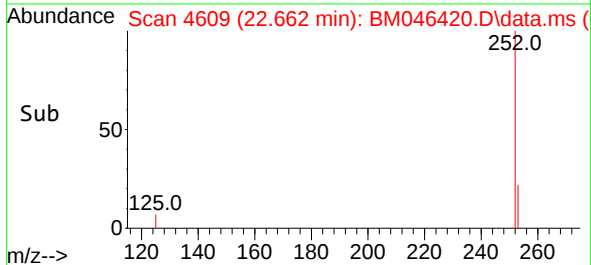
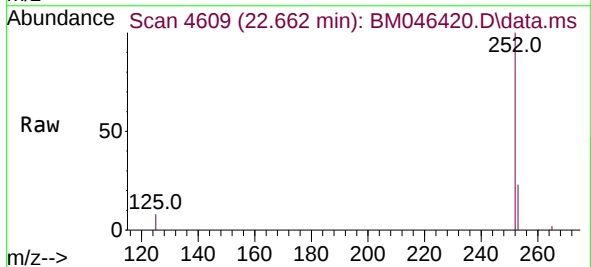
Manual Integrations
APPROVED

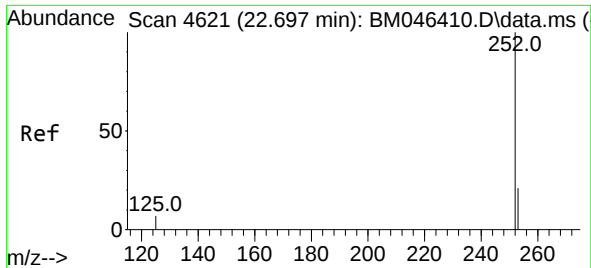
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#24
Benzo(b)fluoranthene
Concen: 5.606 ng/ul m
RT: 22.662 min Scan# 4609
Delta R.T. -0.000 min
Lab File: BM046420.D
Acq: 06 Jul 2024 15:47

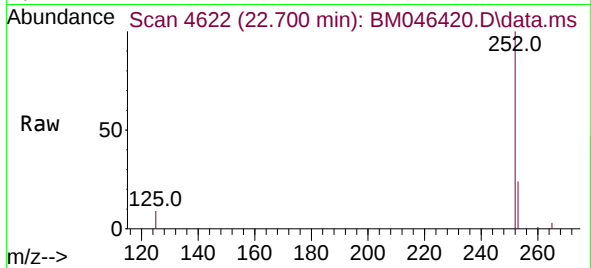
Tgt Ion:252 Resp: 434758
Ion Ratio Lower Upper
252 100
253 22.9 0.0 47.0
125 7.8 0.0 18.4





#25
Benzo(k)fluoranthene
Concen: 1.677 ng/ul m
RT: 22.700 min Scan# 4621
Delta R.T. -0.006 min
Lab File: BM046420.D
Acq: 06 Jul 2024 15:47

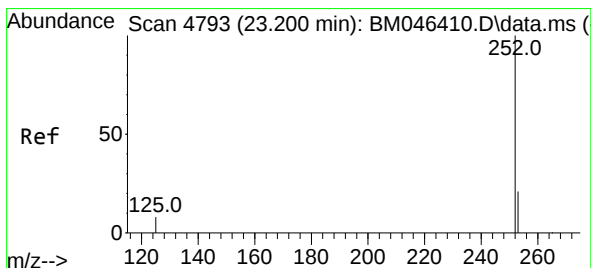
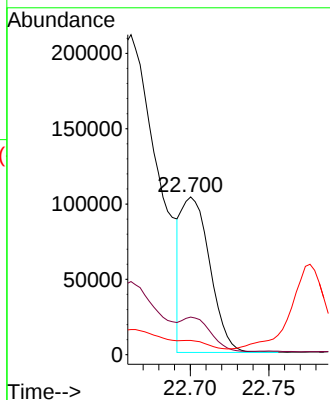
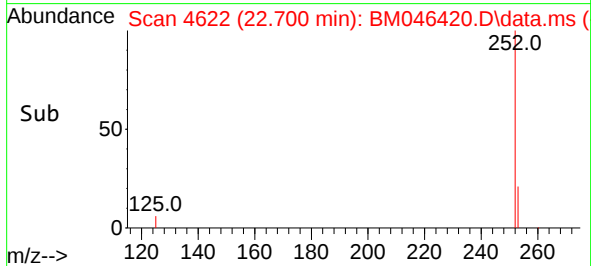
Instrument :
BNA_M
ClientSampleId :
A4BC4



Tgt Ion:252 Resp: 131300
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 9.0 7.5 11.3

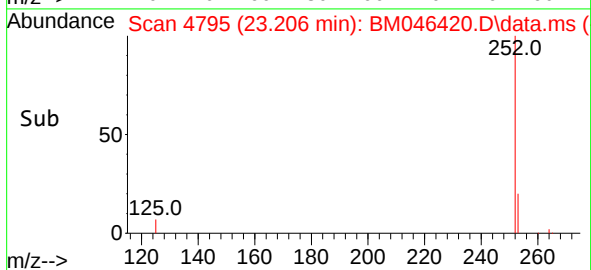
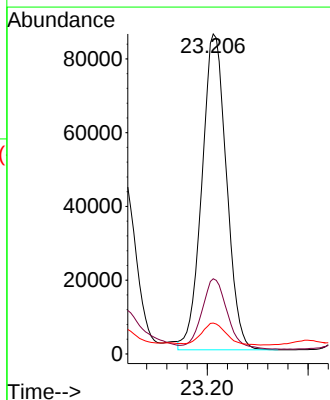
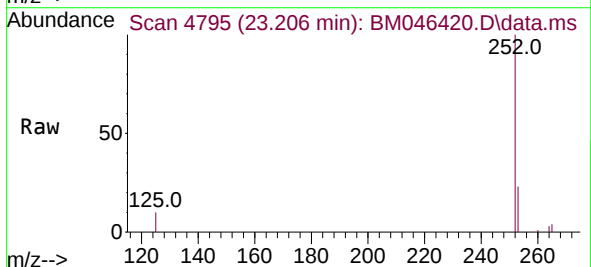
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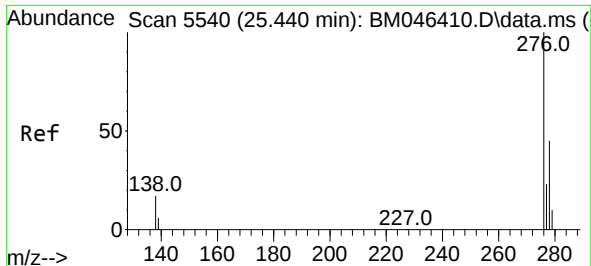
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#26
Benzo(a)pyrene
Concen: 2.363 ng/ul
RT: 23.206 min Scan# 4795
Delta R.T. -0.003 min
Lab File: BM046420.D
Acq: 06 Jul 2024 15:47

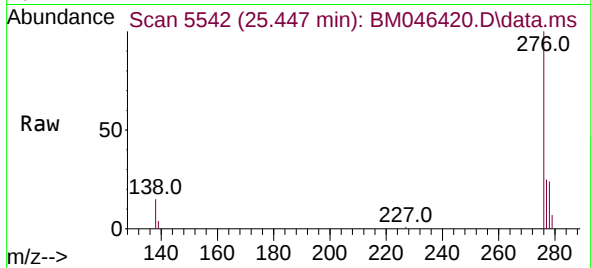
Tgt Ion:252 Resp: 144835
Ion Ratio Lower Upper
252 100
253 23.5 18.9 28.3
125 9.6 8.1 12.1





#27
Indeno(1,2,3-cd)pyrene
Concen: 1.892 ng/ul
RT: 25.447 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM046420.D
Acq: 06 Jul 2024 15:47

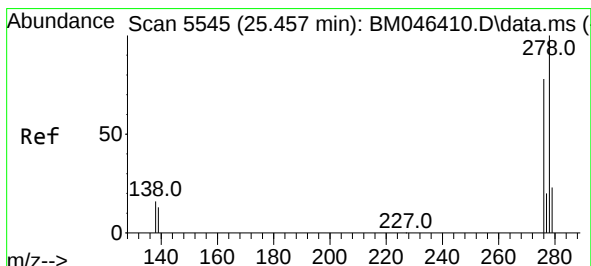
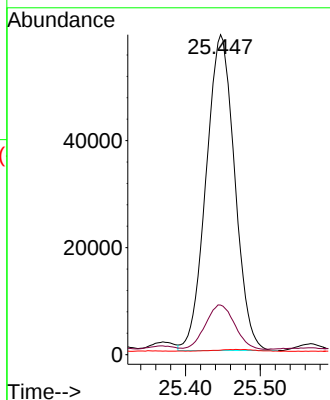
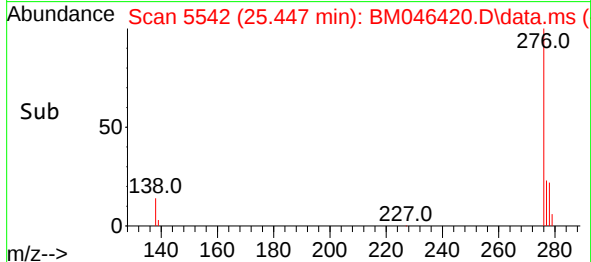
Instrument :
BNA_M
ClientSampleId :
A4BC4



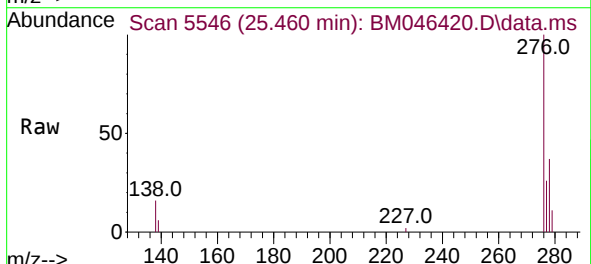
Tgt Ion:276 Resp: 156694
Ion Ratio Lower Upper
276 100
138 14.3 15.7 23.5
227 0.0 0.1 0.1

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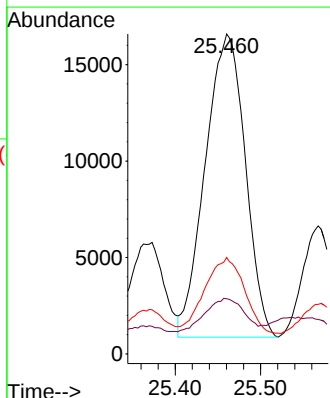
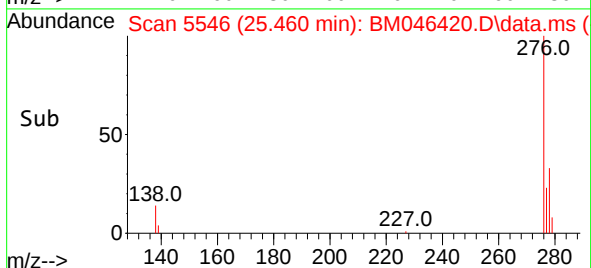
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024

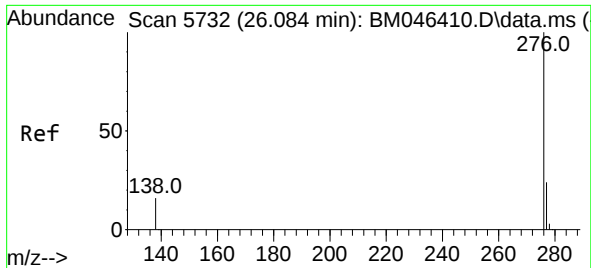


#28
Dibenzo(a,h)anthracene
Concen: 0.798 ng/ul
RT: 25.460 min Scan# 5546
Delta R.T. -0.014 min
Lab File: BM046420.D
Acq: 06 Jul 2024 15:47



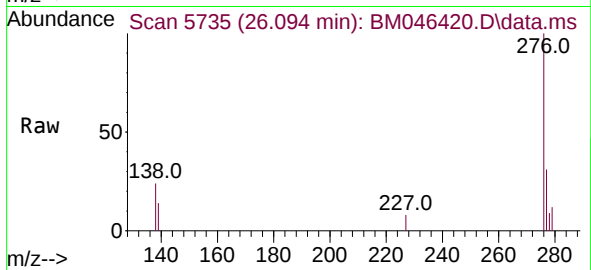
Tgt Ion:278 Resp: 51151
Ion Ratio Lower Upper
278 100
139 17.2 12.6 18.8
279 30.1 20.7 31.1





#29
Benzo(g,h,i)perylene
Concen: 0.364 ng/ul
RT: 26.094 min Scan# 51
Delta R.T. 0.003 min
Lab File: BM046420.D
Acq: 06 Jul 2024 15:47

Instrument :
BNA_M
ClientSampleId :
A4BC4



Tgt Ion:276 Resp: 24064
Ion Ratio Lower Upper
276 100
138 23.9 15.4 23.0
277 30.8 19.7 29.5

Manual Integrations
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Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024

