

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
 Data File : BM041036.D
 Acq On : 22 Jul 2023 02:54
 Operator : MA/JU
 Sample : 03444-22DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46Y3DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023

Quant Time: Jul 22 03:37:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 21 18:20:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	4090	0.400	ng/ul	0.00
4) Naphthalene-d8	10.669	136	15167	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.513	164	8855	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.270	188	18534	0.400	ng/ul	0.00
17) Chrysene-d12	21.463	240	12081	0.400	ng/ul	# 0.00
23) Perylene-d12	23.854	264	10585	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	1803	0.268	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.269	152	1093	0.054	ng/ul	0.00
18) Fluoranthene-d10	19.301	212	2142	0.042	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.719	128	6089	0.147	ng/ul	98
7) 2-Methylnaphthalene	12.341	142	721	0.032	ng/ul	97
8) 1-Methylnaphthalene	12.555	142	647	0.027	ng/ul	98
10) Acenaphthylene	14.236	152	1261	0.034	ng/ul#	77
11) Acenaphthene	14.578	153	2022	0.062	ng/ul	98
12) Fluorene	15.568	166	2718	0.080	ng/ul	97
15) Phenanthrene	17.312	178	47194	0.852	ng/ul	99
16) Anthracene	17.405	178	4792	0.111	ng/ul#	92
19) Fluoranthene	19.329	202	75873	1.216	ng/ul	95
20) Pyrene	19.692	202	62278	0.977	ng/ul	96
21) Benzo(a)anthracene	21.445	228	20255	0.550	ng/ul	98
22) Chrysene	21.498	228	25179	0.598	ng/ul	98
24) Benzo(b)fluoranthene	23.126	252	27893	0.687	ng/ul	93
25) Benzo(k)fluoranthene	23.170	252	10602m	0.275	ng/ul	
26) Benzo(a)pyrene	23.746	252	7983	0.227	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.324	276	12727	0.273	ng/ul#	83
28) Dibenzo(a,h)anthracene	26.331	278	2904	0.082	ng/ul#	78
29) Benzo(g,h,i)perylene	27.082	276	12204	0.284	ng/ul	96

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

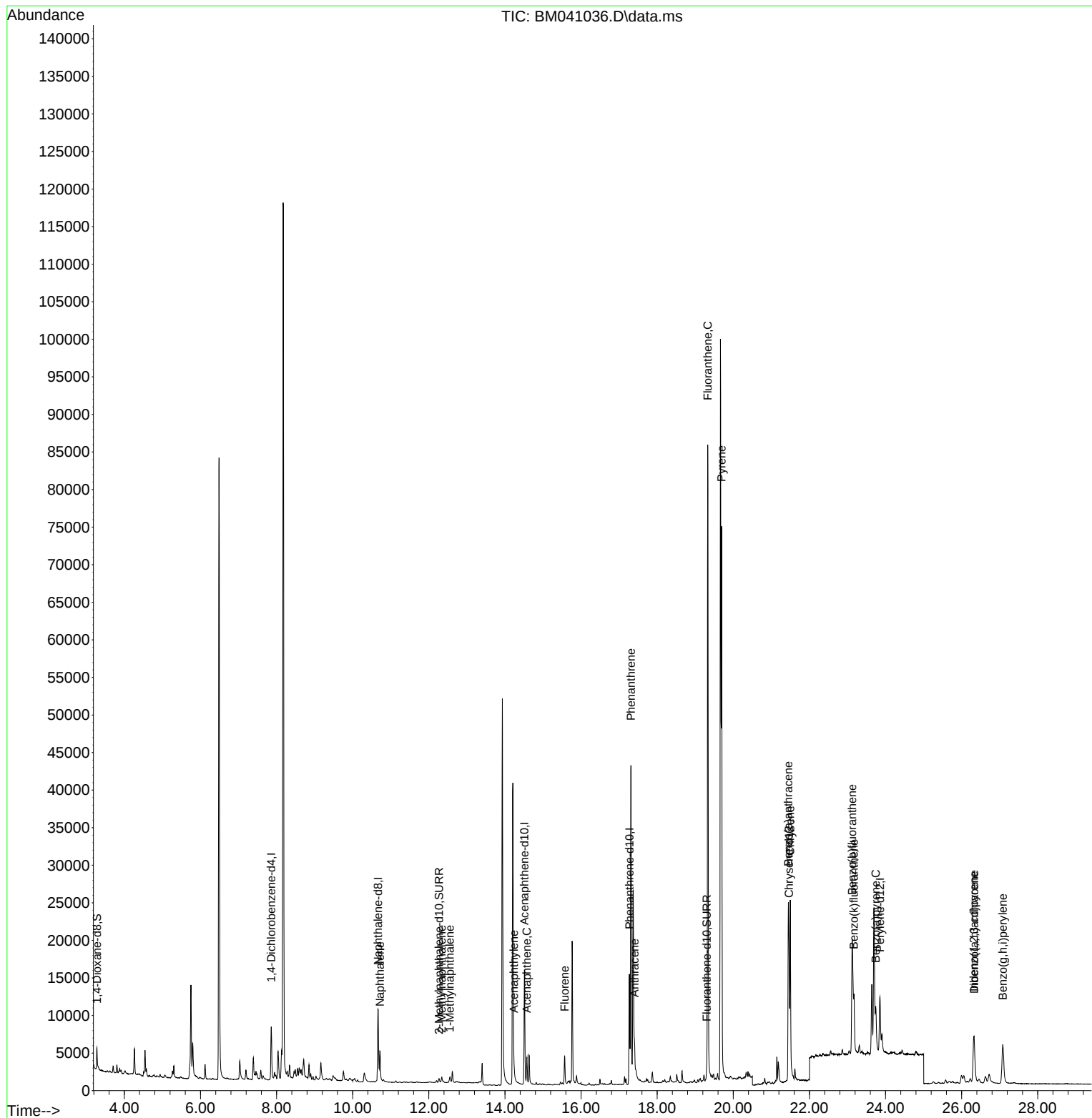
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072123\
Data File : BM041036.D
Acq On : 22 Jul 2023 02:54
Operator : MA/JU
Sample : 03444-22DL 5X
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ALS Vial : 25 Sample Multiplier: 1

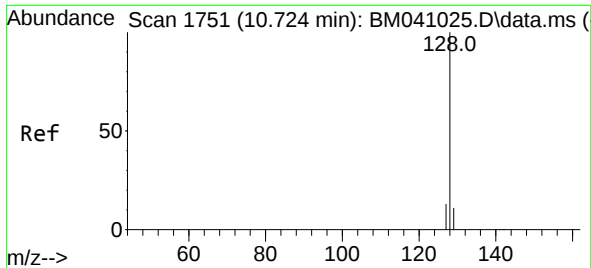
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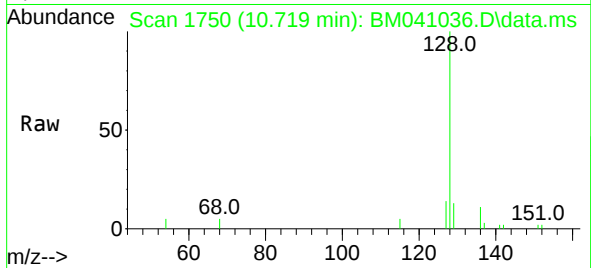
Quant Time: Jul 22 03:37:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 21 18:20:46 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.147 ng/ul
RT: 10.719 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54

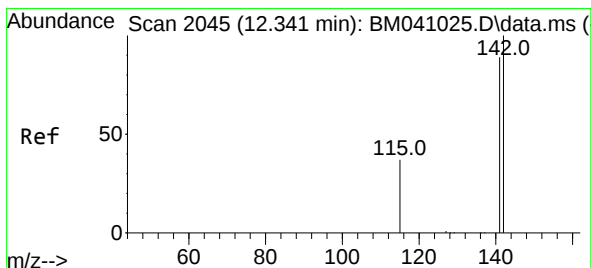
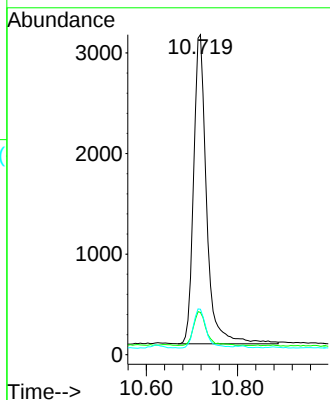
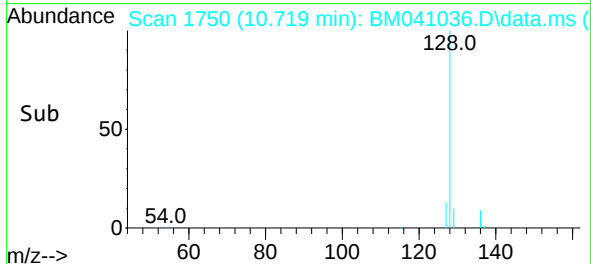
Instrument :
BNA_M
ClientSampleId :
A46Y3DL



Tgt Ion:128 Resp: 6089
Ion Ratio Lower Upper
128 100
129 13.2 9.8 14.8
127 14.2 11.0 16.4

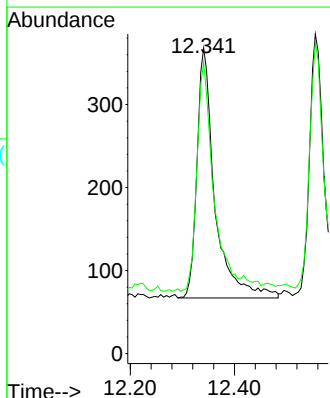
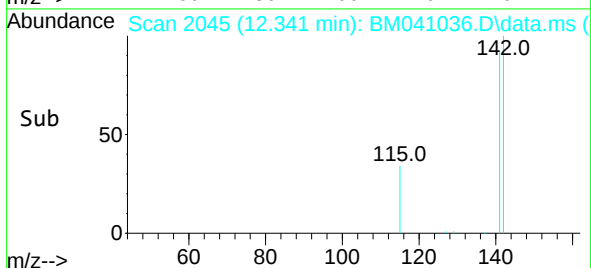
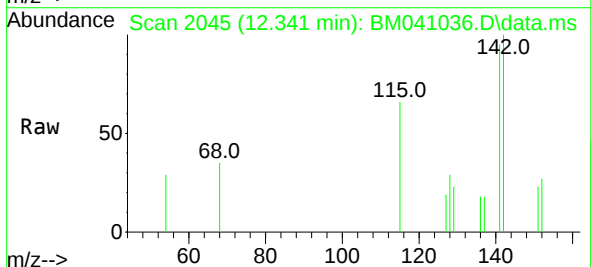
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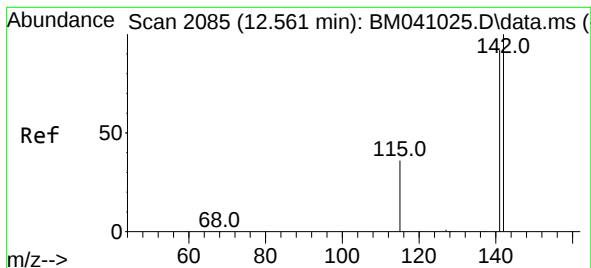
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#7
2-Methylnaphthalene
Concen: 0.032 ng/ul
RT: 12.341 min Scan# 2045
Delta R.T. -0.000 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54

Tgt Ion:142 Resp: 721
Ion Ratio Lower Upper
142 100
141 89.0 73.2 109.8





#8

1-Methylnaphthalene

Concen: 0.027 ng/ul

RT: 12.555 min Scan# 2084

Delta R.T. -0.006 min

Lab File: BM041036.D

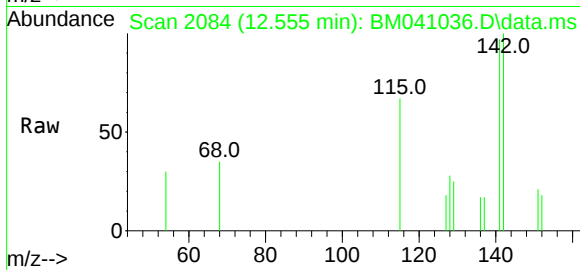
Acq: 22 Jul 2023 02:54

Instrument :

BNA_M

ClientSampleId :

A46Y3DL



Tgt Ion:142 Resp: 64

Ion Ratio Lower Upper

142 100

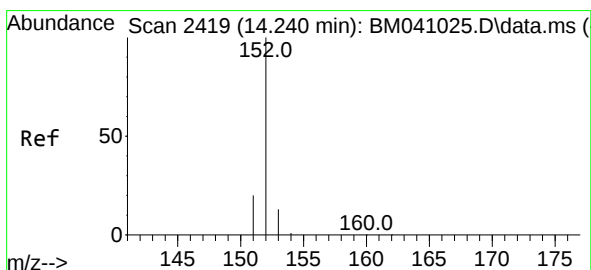
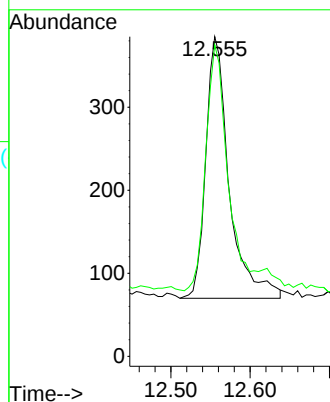
141 94.1 73.4 110.2

Manual Integrations

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#10

Acenaphthylene

Concen: 0.034 ng/ul

RT: 14.236 min Scan# 2418

Delta R.T. -0.005 min

Lab File: BM041036.D

Acq: 22 Jul 2023 02:54

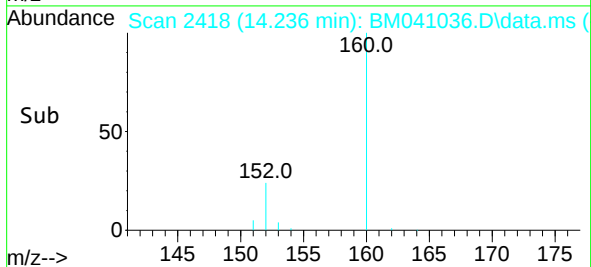
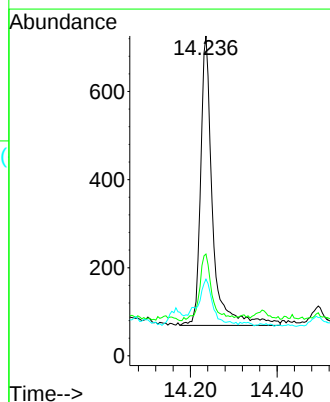
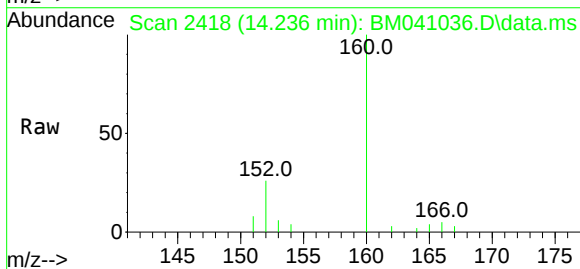
Tgt Ion:152 Resp: 1261

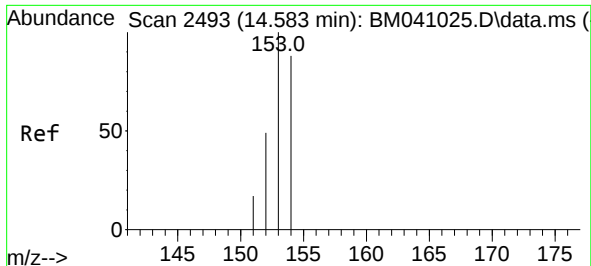
Ion Ratio Lower Upper

152 100

151 31.8 16.8 25.2#

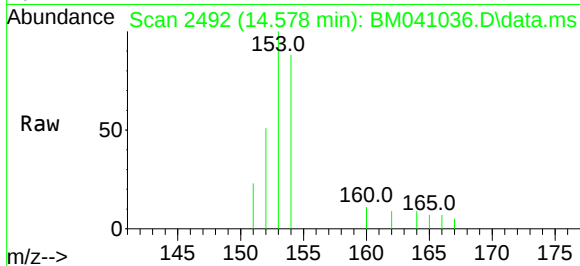
153 24.0 11.6 17.4#





#11
Acenaphthene
Concen: 0.062 ng/u1
RT: 14.578 min Scan# 2493
Delta R.T. -0.005 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54

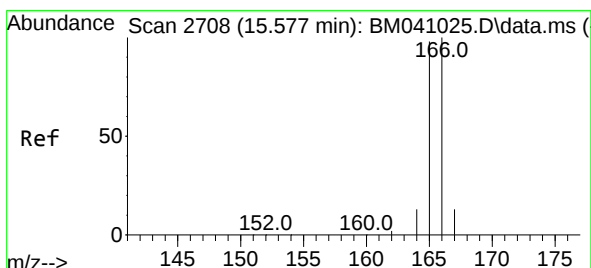
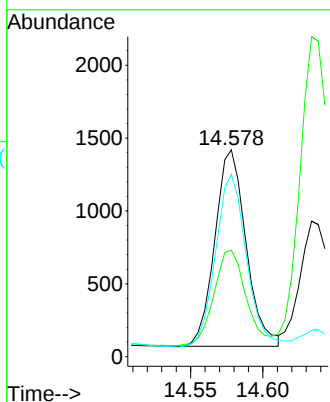
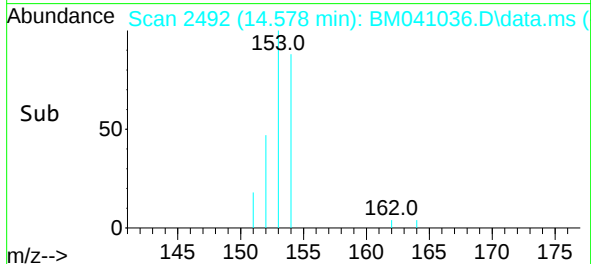
Instrument :
BNA_M
ClientSampleId :
A46Y3DL



Tgt Ion:153 Resp: 2021
Ion Ratio Lower Upper
153 100
152 51.5 41.0 61.6
154 88.1 68.2 102.2

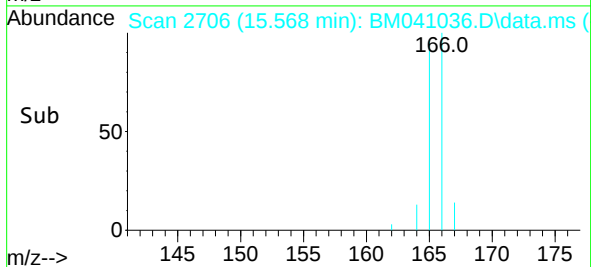
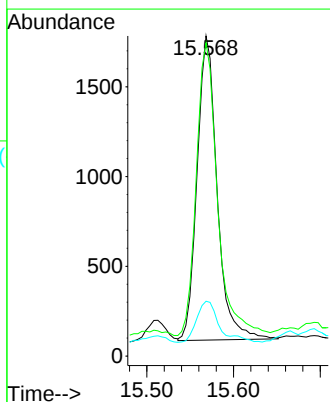
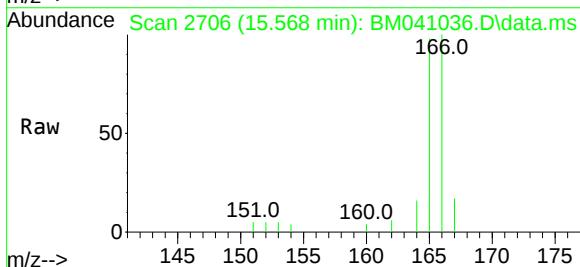
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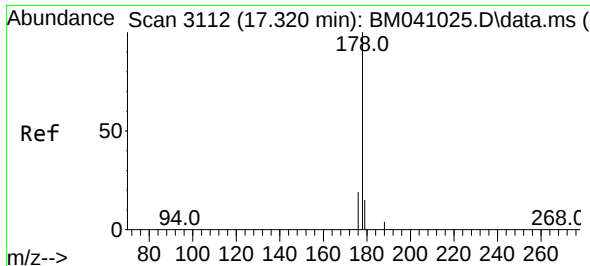
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#12
Fluorene
Concen: 0.080 ng/u1
RT: 15.568 min Scan# 2706
Delta R.T. -0.005 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54

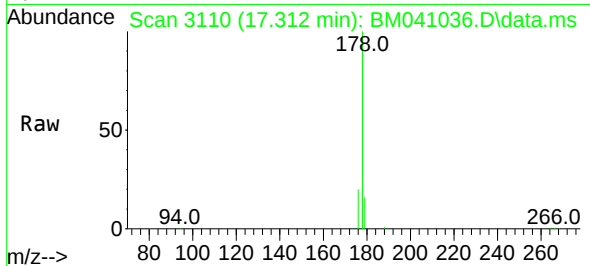
Tgt Ion:166 Resp: 2718
Ion Ratio Lower Upper
166 100
165 97.9 80.3 120.5
167 17.1 11.7 17.5





#15
Phenanthrene
Concen: 0.852 ng/ul
RT: 17.312 min Scan# 3112
Delta R.T. -0.004 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54

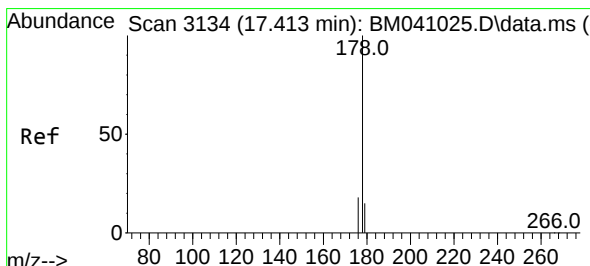
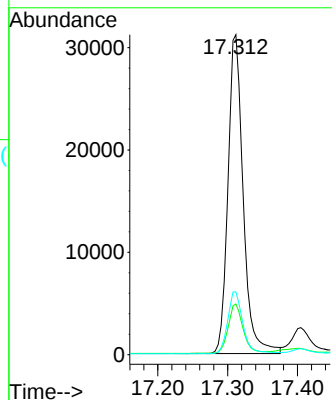
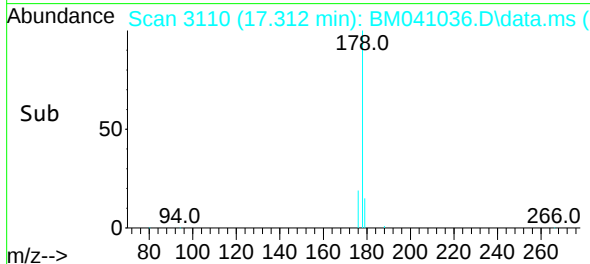
Instrument :
BNA_M
ClientSampleId :
A46Y3DL



Tgt Ion:178 Resp: 47194
Ion Ratio Lower Upper
178 100
179 15.8 13.0 19.6
176 19.6 16.2 24.4

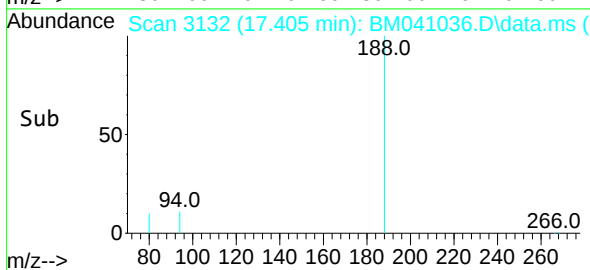
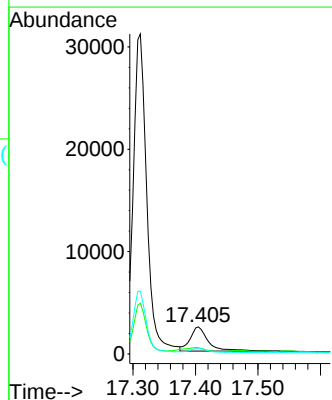
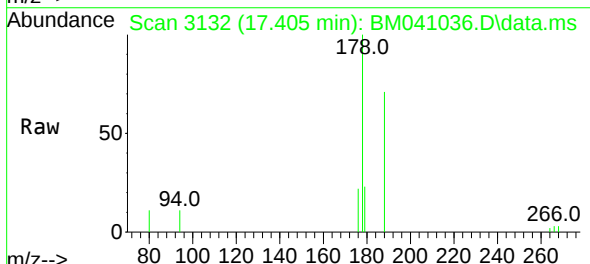
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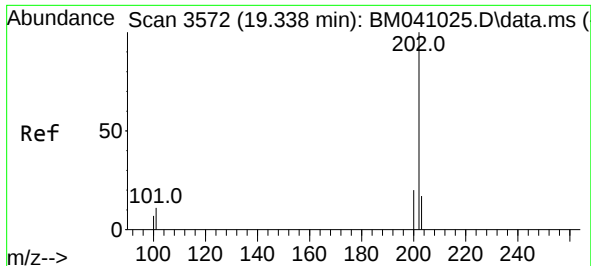
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#16
Anthracene
Concen: 0.111 ng/ul
RT: 17.405 min Scan# 3132
Delta R.T. -0.008 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54

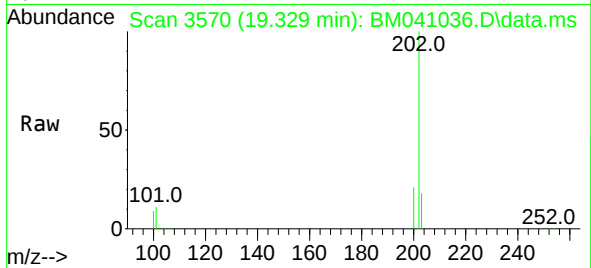
Tgt Ion:178 Resp: 4792
Ion Ratio Lower Upper
178 100
179 23.3 13.7 20.5#
176 21.7 16.4 24.6





#19
Fluoranthene
Concen: 1.216 ng/u1
RT: 19.329 min Scan# 31
Delta R.T. -0.009 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54

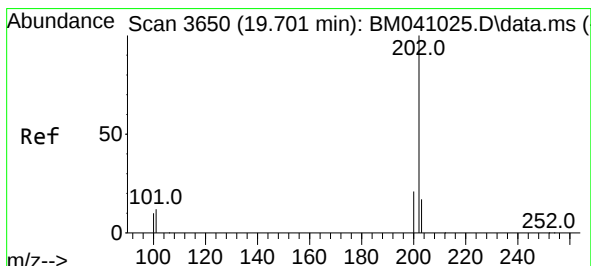
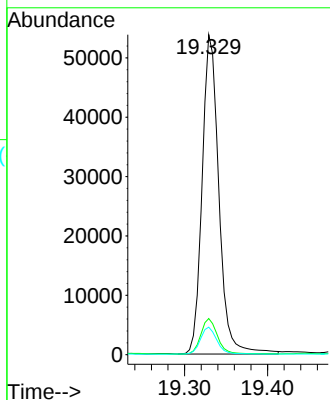
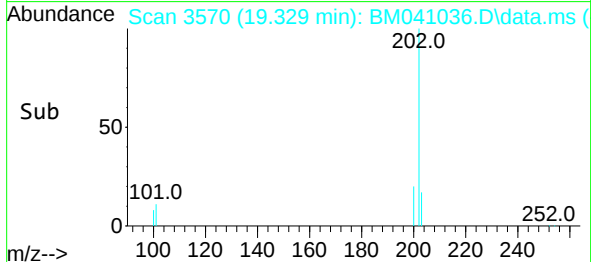
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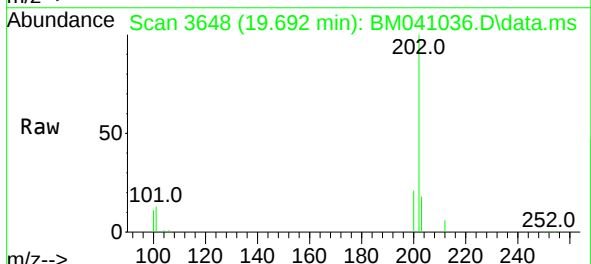
Tgt Ion:202 Resp: 7587
Ion Ratio Lower Upper
202 100
101 11.3 11.0 16.4
100 8.6 8.3 12.5

Manual Integrations
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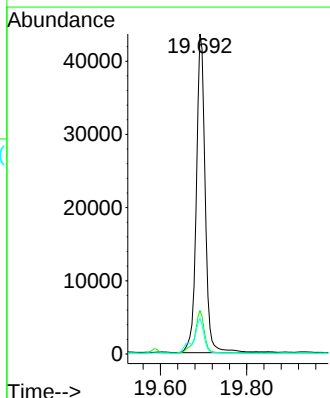
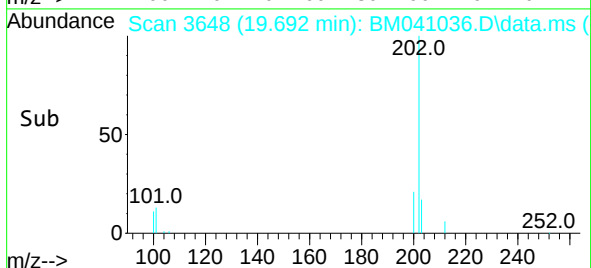
Reviewed By :Yogesh Patel 07/22/2023
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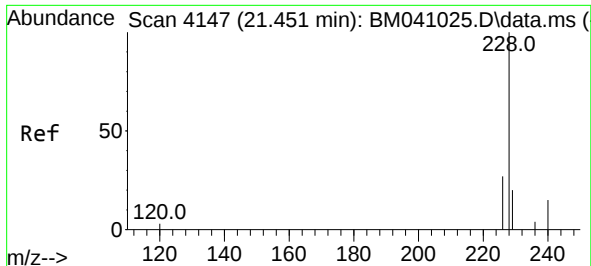


#20
Pyrene
Concen: 0.977 ng/u1
RT: 19.692 min Scan# 3648
Delta R.T. -0.009 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54



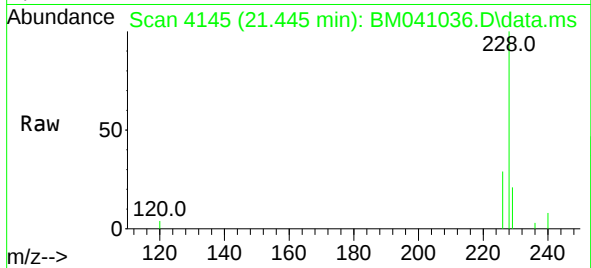
Tgt Ion:202 Resp: 62278
Ion Ratio Lower Upper
202 100
101 13.5 12.5 18.7
100 11.1 10.0 15.0





#21
Benzo(a)anthracene
Concen: 0.550 ng/u1
RT: 21.445 min Scan# 4145
Delta R.T. -0.006 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54

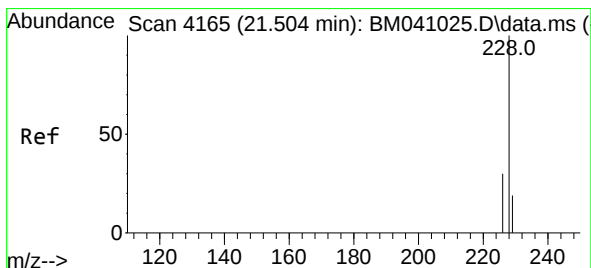
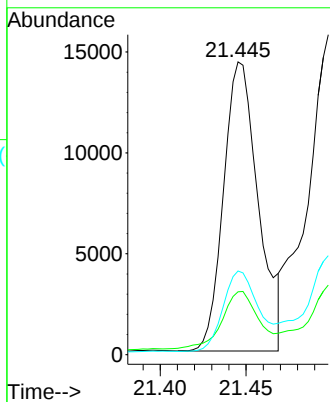
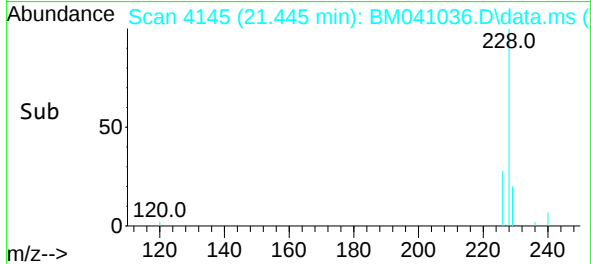
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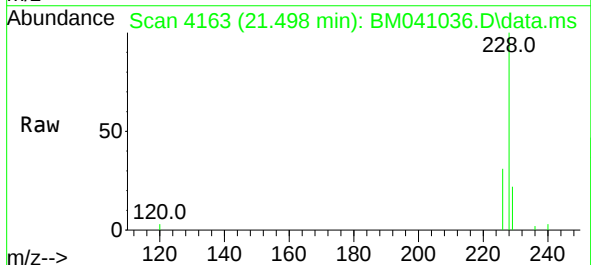
Tgt Ion:228 Resp: 2025
Ion Ratio Lower Upper
228 100
229 21.5 16.2 24.4
226 28.6 22.3 33.5

Manual Integrations
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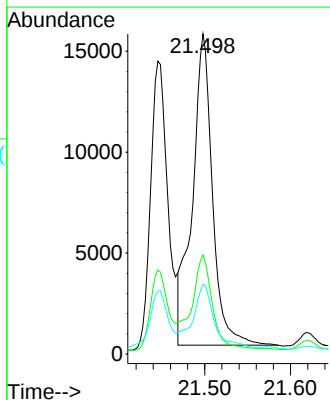
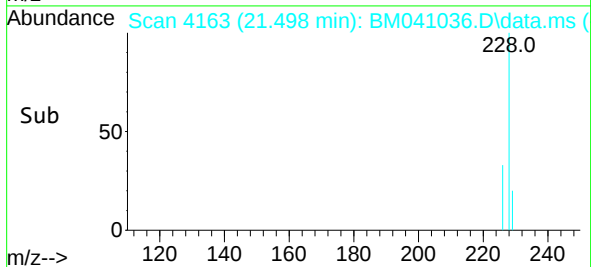
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

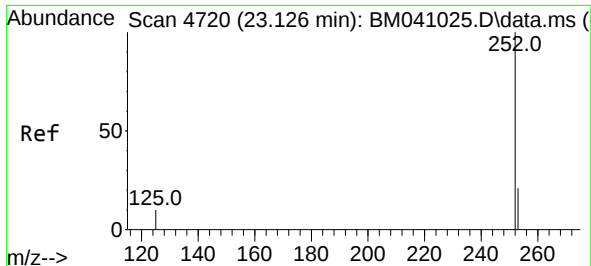


#22
Chrysene
Concen: 0.598 ng/u1
RT: 21.498 min Scan# 4163
Delta R.T. -0.006 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54



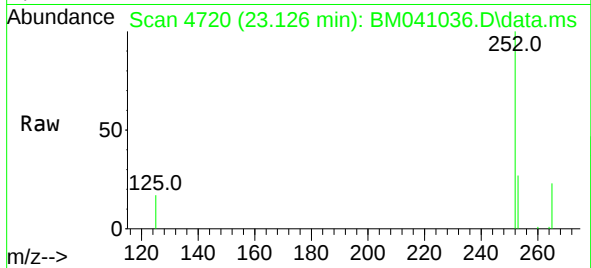
Tgt Ion:228 Resp: 25179
Ion Ratio Lower Upper
228 100
226 30.9 24.6 37.0
229 21.7 16.1 24.1





#24
Benzo(b)fluoranthene
Concen: 0.687 ng/ul
RT: 23.126 min Scan# 4720
Delta R.T. -0.003 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54

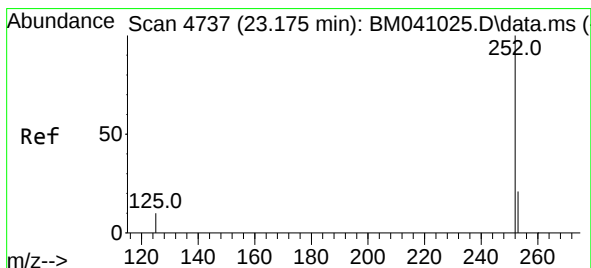
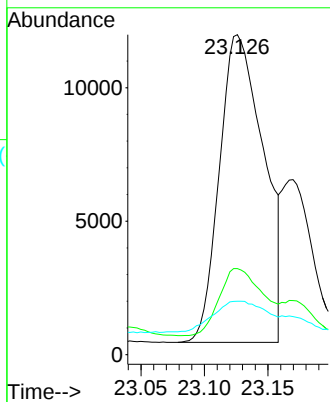
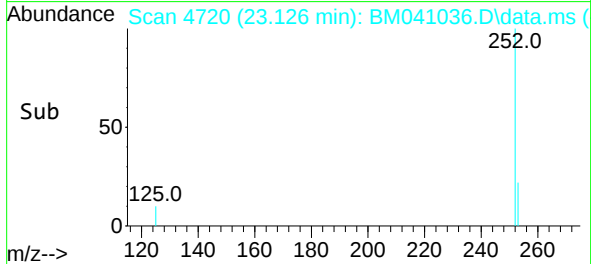
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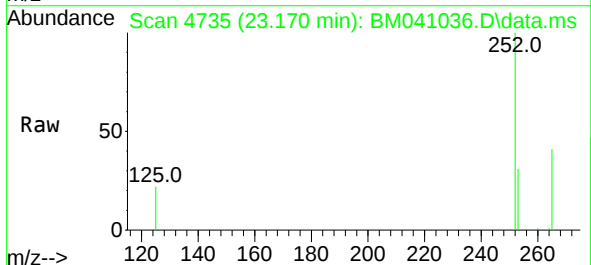
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Ion Ratio Lower Upper
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253 26.9 0.0 57.4
125 16.7 0.0 45.2

Manual Integrations
APPROVED

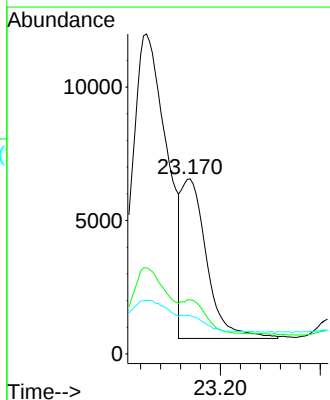
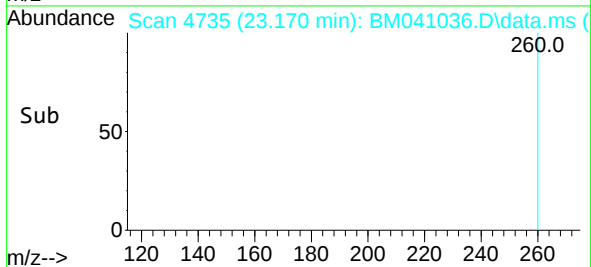
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

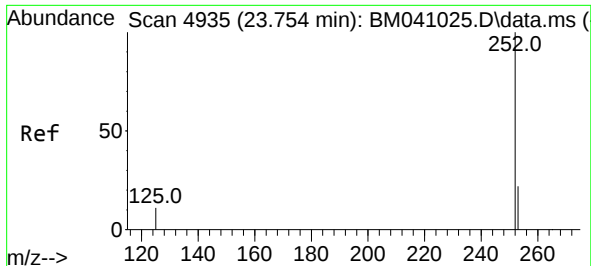


#25
Benzo(k)fluoranthene
Concen: 0.275 ng/ul m
RT: 23.170 min Scan# 4735
Delta R.T. -0.009 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54



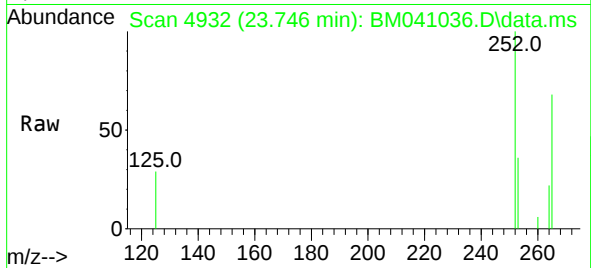
Tgt Ion:252 Resp: 10602
Ion Ratio Lower Upper
252 100
253 30.9 23.3 34.9
125 21.7 18.2 27.2





#26
Benzo(a)pyrene
Concen: 0.227 ng/ul
RT: 23.746 min Scan# 4932
Delta R.T. -0.012 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54

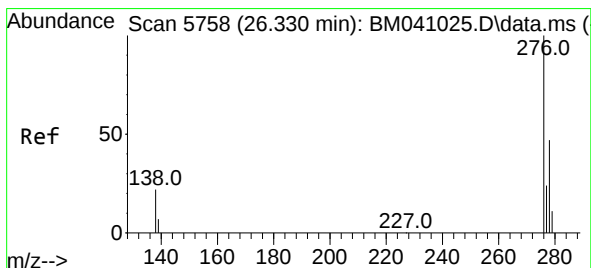
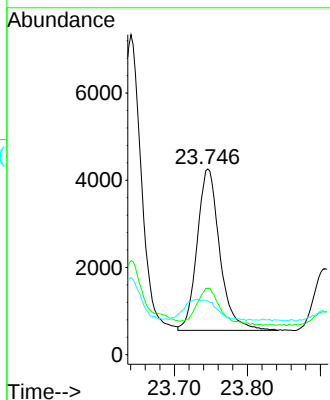
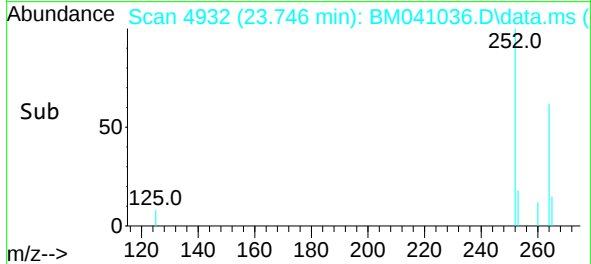
Instrument :
BNA_M
ClientSampleId :
A46Y3DL



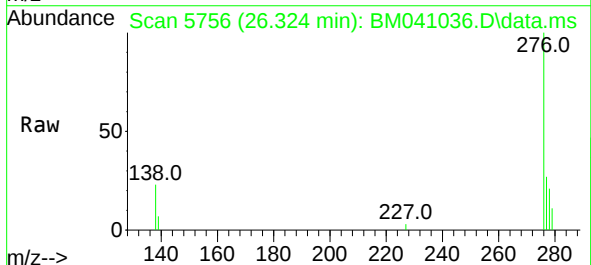
Tgt Ion:252 Resp: 798
Ion Ratio Lower Upper
252 100
253 35.5 28.2 42.2
125 28.8 25.2 37.8

Manual Integrations
APPROVED

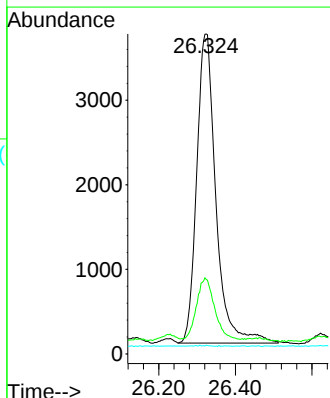
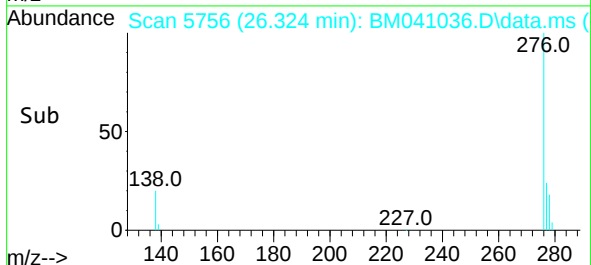
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

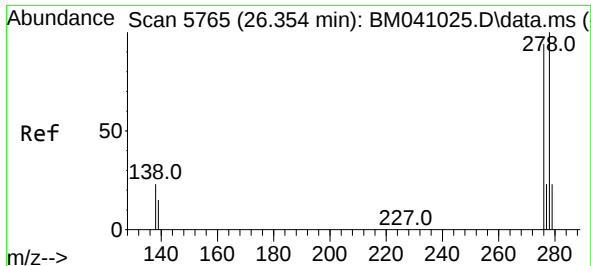


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.273 ng/ul
RT: 26.324 min Scan# 5756
Delta R.T. -0.013 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54



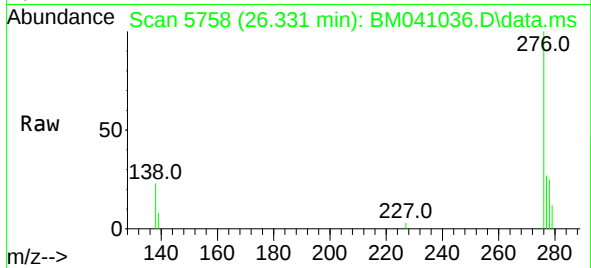
Tgt Ion:276 Resp: 12727
Ion Ratio Lower Upper
276 100
138 18.9 22.3 33.5#
227 0.1 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.082 ng/ul
RT: 26.331 min Scan# 51
Delta R.T. -0.024 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54

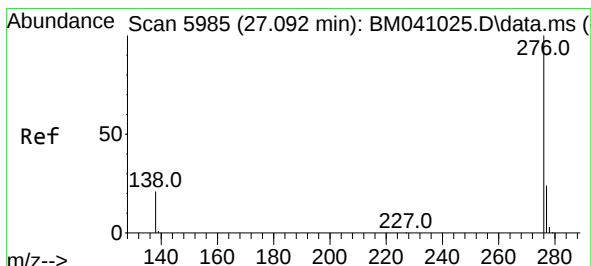
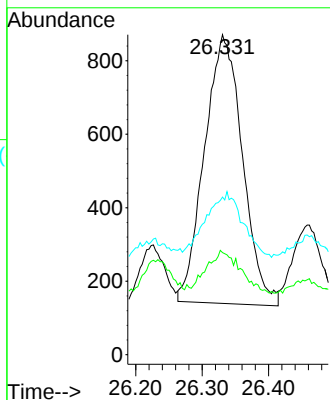
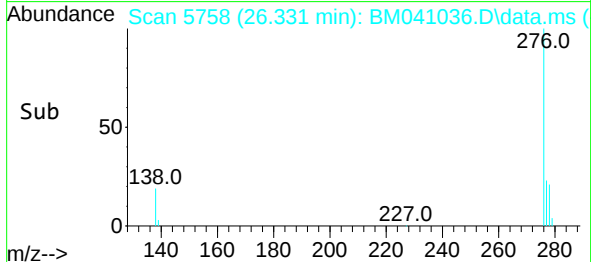
Instrument :
BNA_M
ClientSampleId :
A46Y3DL



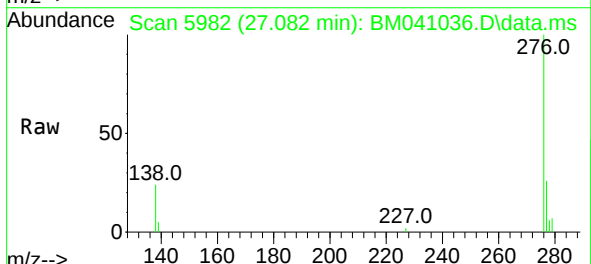
Tgt Ion:278 Resp: 2904
Ion Ratio Lower Upper
278 100
139 31.9 19.2 28.8
279 49.3 27.0 40.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#29
Benzo(g,h,i)perylene
Concen: 0.284 ng/ul
RT: 27.082 min Scan# 5982
Delta R.T. -0.010 min
Lab File: BM041036.D
Acq: 22 Jul 2023 02:54



Tgt Ion:276 Resp: 12204
Ion Ratio Lower Upper
276 100
138 24.2 22.6 34.0
277 26.2 21.2 31.8

