

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071323\
 Data File : BM040856.D
 Acq On : 13 Jul 2023 19:14
 Operator : MA/JU
 Sample : 03418-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46K0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/17/2023
 Supervised By :mohammad ahmed 07/17/2023

Quant Time: Jul 14 03:17:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 03:14:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.866	152	4080	0.400	ng/ul	0.00
4) Naphthalene-d8	10.669	136	14596	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.513	164	6762	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.261	188	13677	0.400	ng/ul	0.00
17) Chrysene-d12	21.454	240	8110	0.400	ng/ul	0.00
23) Perylene-d12	23.836	264	7200	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	10443	1.629	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.258	152	2294	0.112	ng/ul	0.00
18) Fluoranthene-d10	19.292	212	4125	0.159	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.719	128	21452	0.533	ng/ul	100
7) 2-Methylnaphthalene	12.335	142	2252	0.095	ng/ul	99
8) 1-Methylnaphthalene	12.550	142	1784	0.075	ng/ul	97
10) Acenaphthylene	14.231	152	2165	0.072	ng/ul#	82
11) Acenaphthene	14.574	153	6048	0.237	ng/ul	98
12) Fluorene	15.564	166	7290	0.268	ng/ul	100
15) Phenanthrene	17.303	178	113702	2.676	ng/ul	98
16) Anthracene	17.396	178	14539	0.407	ng/ul	99
19) Fluoranthene	19.324	202	164678	4.780	ng/ul	95
20) Pyrene	19.687	202	131730	3.567	ng/ul	99
21) Benzo(a)anthracene	21.439	228	49578	1.807	ng/ul	99
22) Chrysene	21.492	228	54327	1.736	ng/ul	98
24) Benzo(b)fluoranthene	23.111	252	60467	2.170	ng/ul	93
25) Benzo(k)fluoranthene	23.155	252	23061m	0.840	ng/ul	
26) Benzo(a)pyrene	23.728	252	27250	1.086	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.294	276	27806	0.795	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.304	278	6380	0.233	ng/ul#	88
29) Benzo(g,h,i)perylene	27.055	276	26814	0.875	ng/ul	97

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

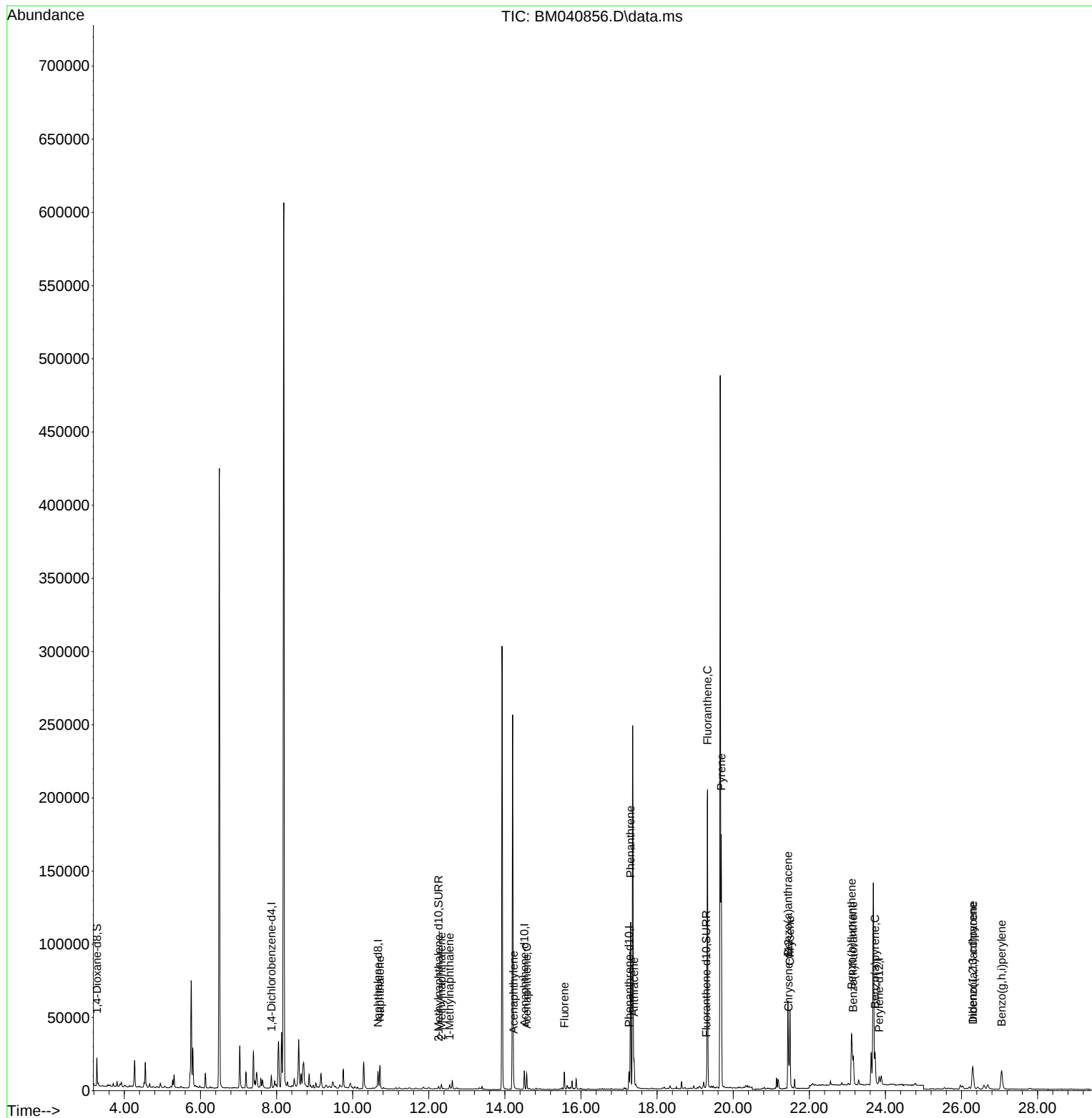
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071323\
Data File : BM040856.D
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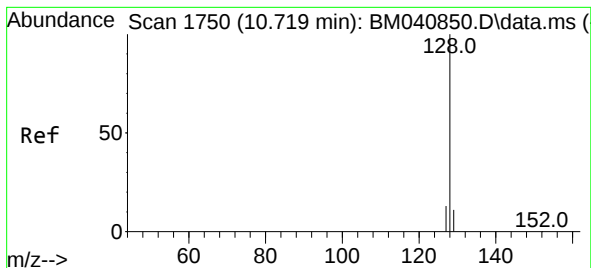
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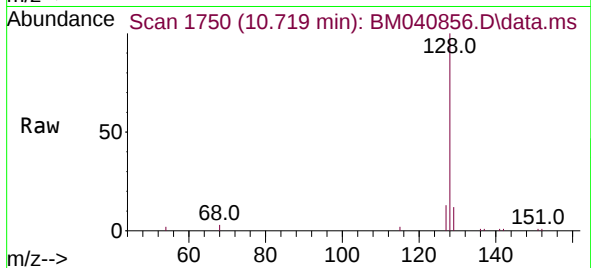
Quant Time: Jul 14 03:17:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 14 03:14:53 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.533 ng/ul
RT: 10.719 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

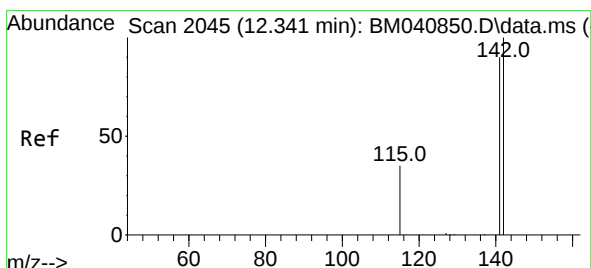
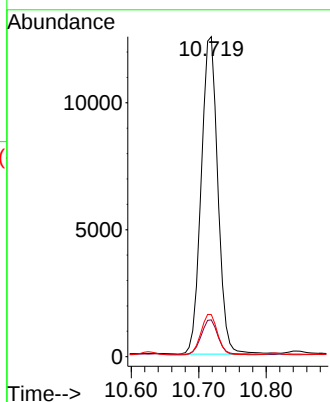
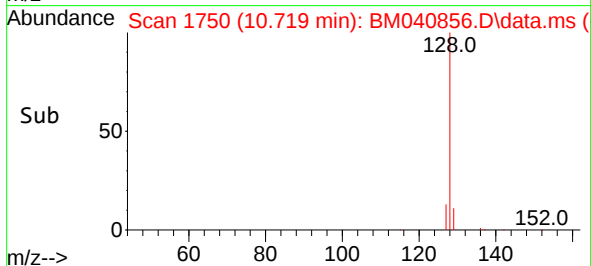
Instrument :
BNA_M
ClientSampleId :
A46K0



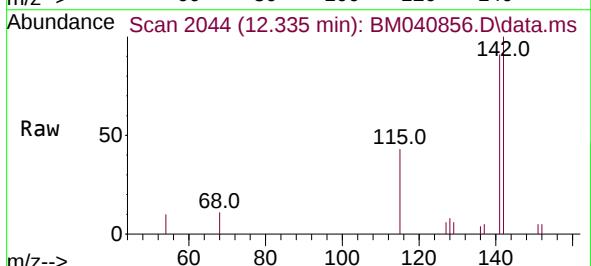
Tgt Ion:128 Resp: 21452
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.2 10.6 15.8

Manual Integrations
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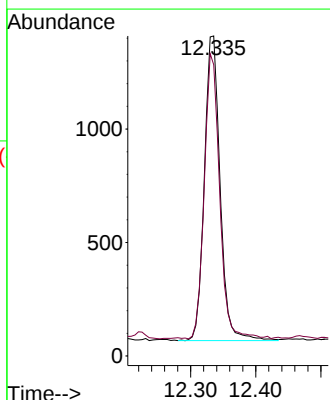
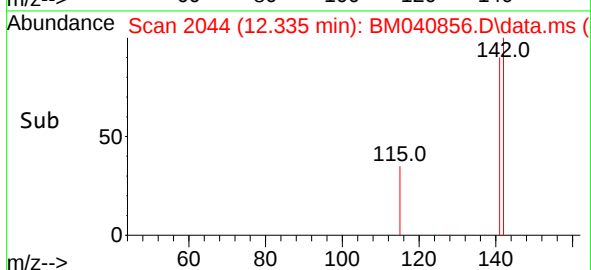
Reviewed By :Yogesh Patel 07/17/2023
Supervised By :mohammad ahmed 07/17/2023

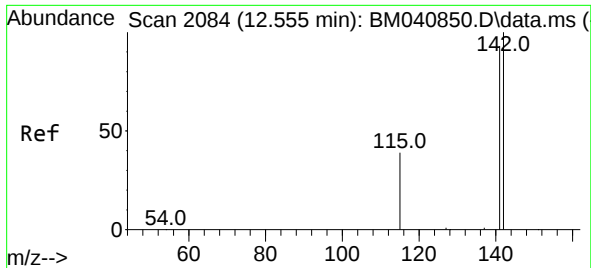


#7
2-Methylnaphthalene
Concen: 0.095 ng/ul
RT: 12.335 min Scan# 2044
Delta R.T. -0.005 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14



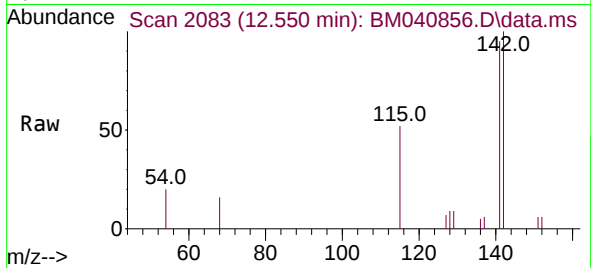
Tgt Ion:142 Resp: 2252
Ion Ratio Lower Upper
142 100
141 90.6 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.075 ng/ul
RT: 12.550 min Scan# 2084
Delta R.T. -0.005 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

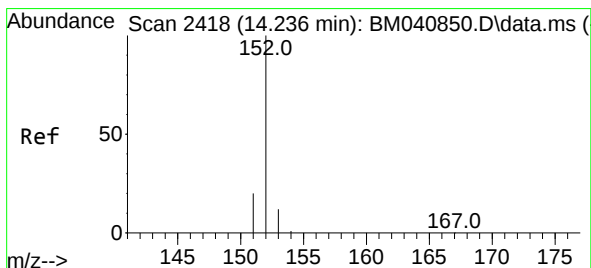
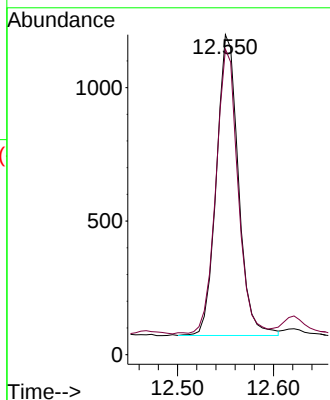
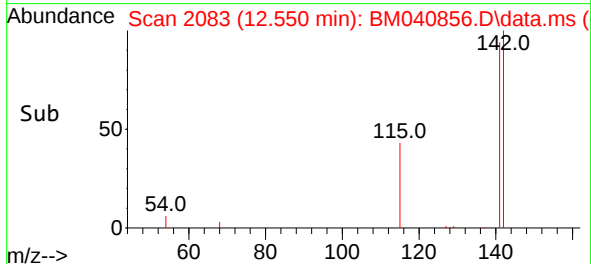
Instrument :
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Tgt Ion:142 Resp: 1784
Ion Ratio Lower Upper
142 100
141 95.0 73.7 110.5

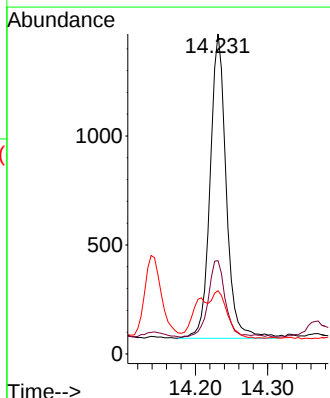
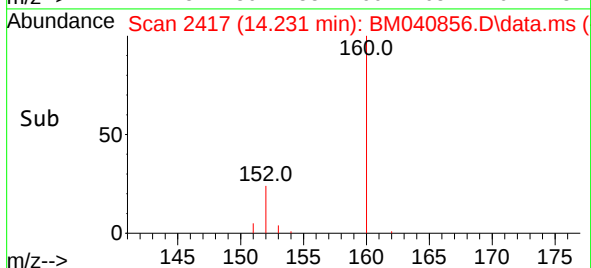
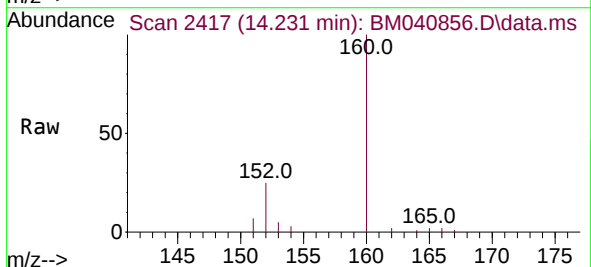
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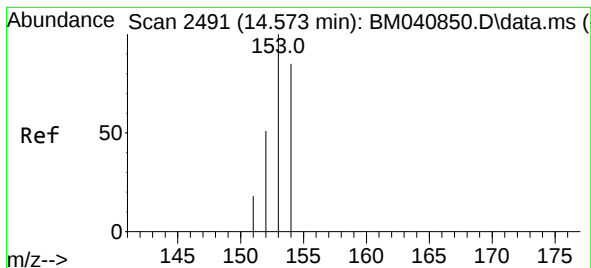
Reviewed By :Yogesh Patel 07/17/2023
Supervised By :mohammad ahmed 07/17/2023



#10
Acenaphthylene
Concen: 0.072 ng/ul
RT: 14.231 min Scan# 2417
Delta R.T. -0.005 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

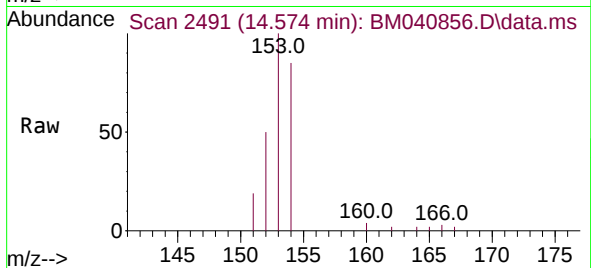
Tgt Ion:152 Resp: 2165
Ion Ratio Lower Upper
152 100
151 29.2 16.2 24.2#
153 19.8 10.9 16.3#





#11
Acenaphthene
Concen: 0.237 ng/ul
RT: 14.574 min Scan# 2491
Delta R.T. 0.000 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

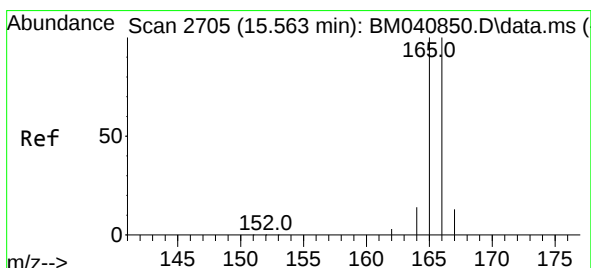
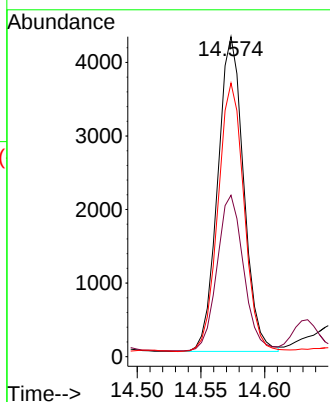
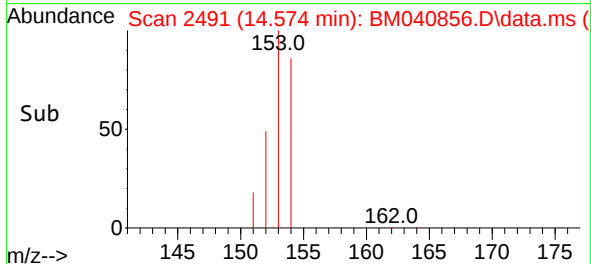
Instrument :
BNA_M
ClientSampleId :
A46K0



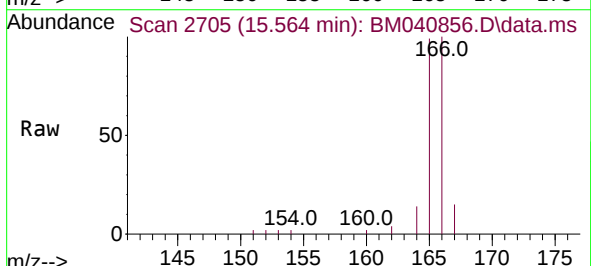
Tgt Ion:153 Resp: 6048
Ion Ratio Lower Upper
153 100
152 50.4 41.0 61.4
154 85.5 70.8 106.2

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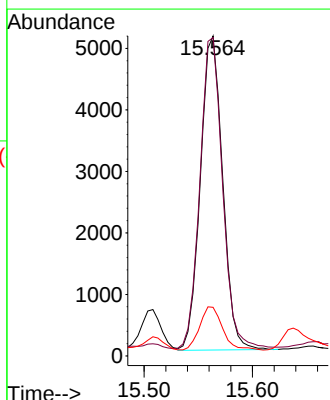
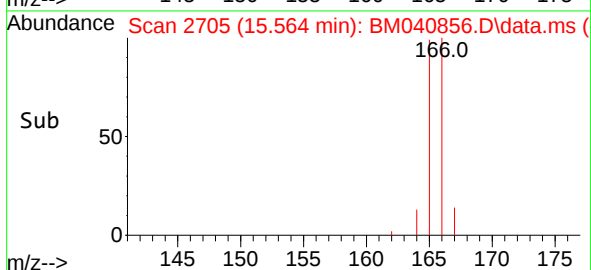
Reviewed By :Yogesh Patel 07/17/2023
Supervised By :mohammad ahmed 07/17/2023

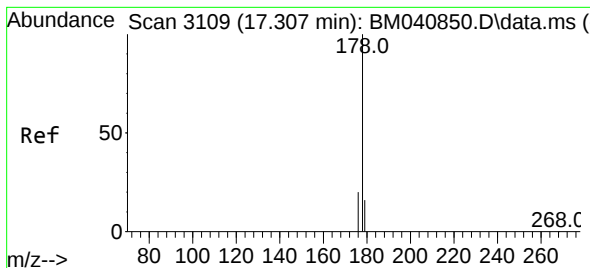


#12
Fluorene
Concen: 0.268 ng/ul
RT: 15.564 min Scan# 2705
Delta R.T. 0.000 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14



Tgt Ion:166 Resp: 7290
Ion Ratio Lower Upper
166 100
165 99.5 79.6 119.4
167 15.2 11.4 17.0





#15

Phenanthrene

Concen: 2.676 ng/u1

RT: 17.303 min Scan# 3108

Delta R.T. -0.004 min

Lab File: BM040856.D

Acq: 13 Jul 2023 19:14

Instrument :

BNA_M

ClientSampleId :

A46K0

Tgt Ion:178 Resp: 113702

Ion Ratio Lower Upper

178 100

179 15.4 12.8 19.2

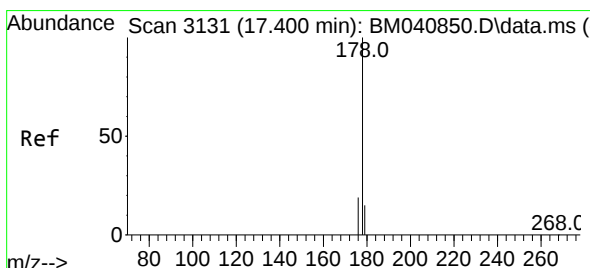
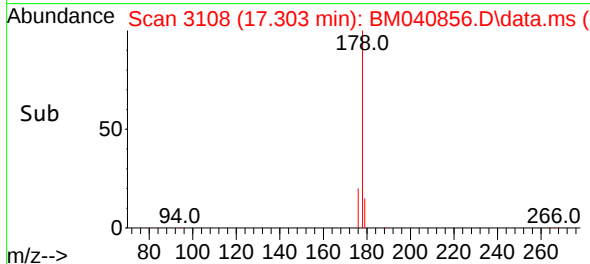
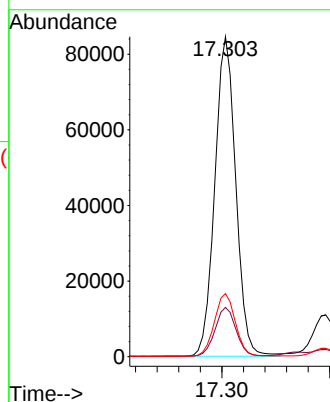
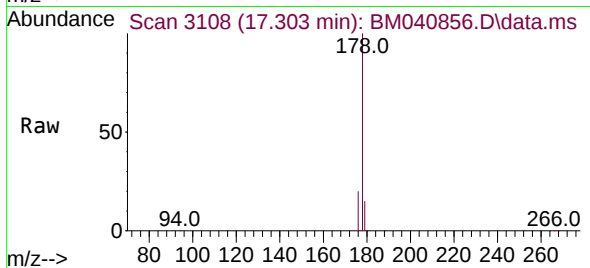
176 19.7 16.4 24.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/17/2023

Supervised By :mohammad ahmed 07/17/2023



#16

Anthracene

Concen: 0.407 ng/u1

RT: 17.396 min Scan# 3130

Delta R.T. -0.004 min

Lab File: BM040856.D

Acq: 13 Jul 2023 19:14

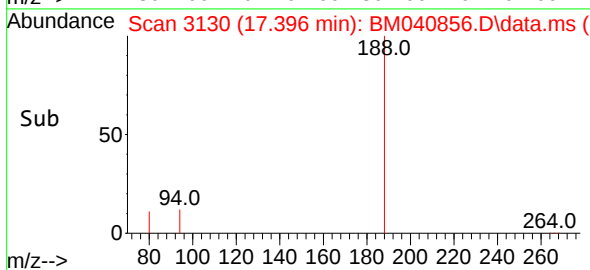
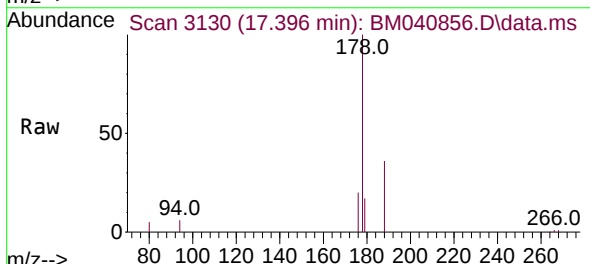
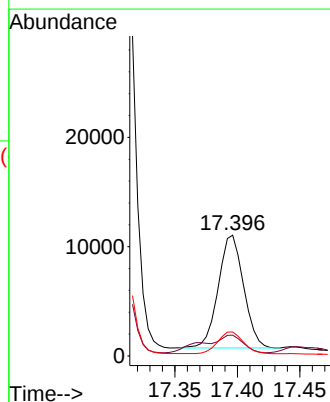
Tgt Ion:178 Resp: 14539

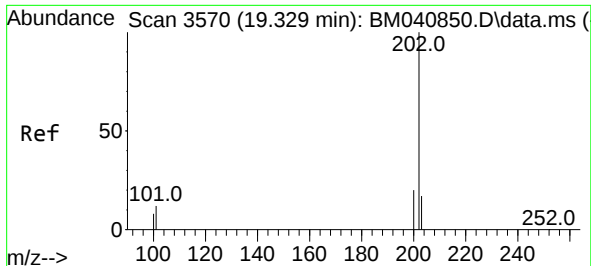
Ion Ratio Lower Upper

178 100

179 17.2 12.9 19.3

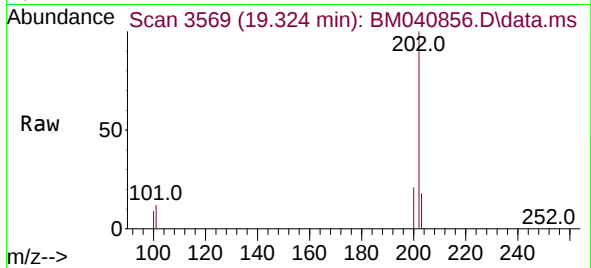
176 19.9 15.8 23.6





#19
Fluoranthene
Concen: 4.780 ng/ul
RT: 19.324 min Scan# 3570
Delta R.T. -0.005 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

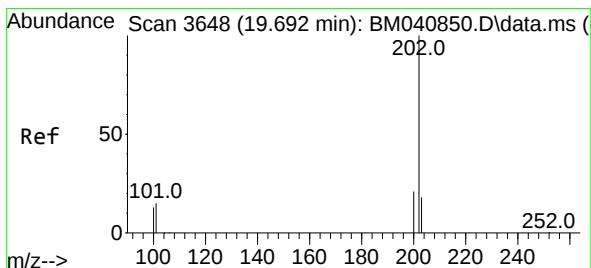
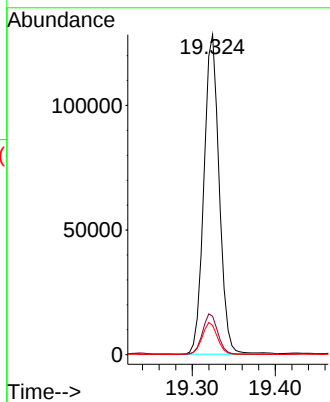
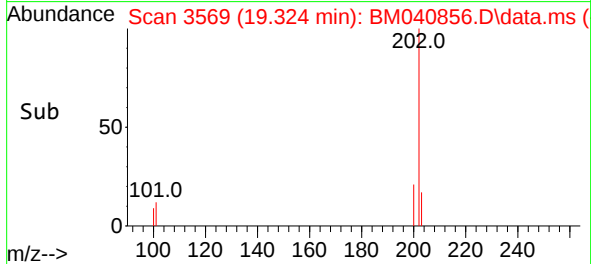
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Tgt Ion:202 Resp: 164678
Ion Ratio Lower Upper
202 100
101 12.0 11.4 17.0
100 9.1 8.7 13.1

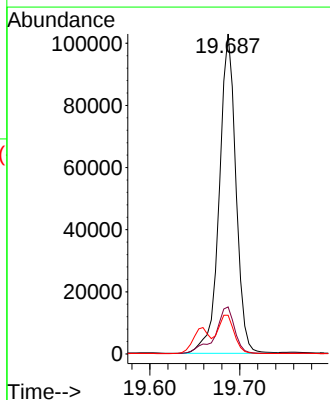
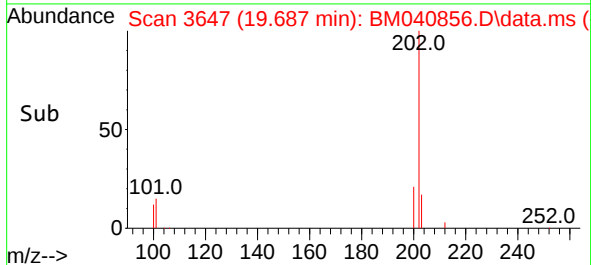
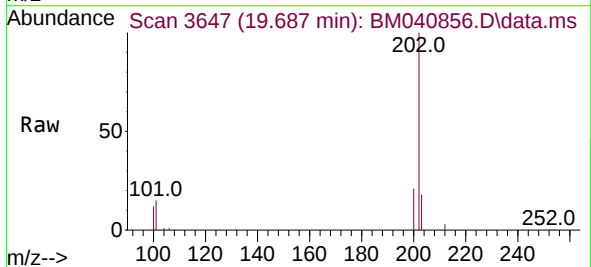
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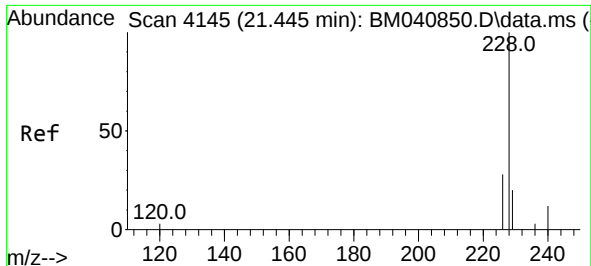
Reviewed By :Yogesh Patel 07/17/2023
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#20
Pyrene
Concen: 3.567 ng/ul
RT: 19.687 min Scan# 3647
Delta R.T. -0.005 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

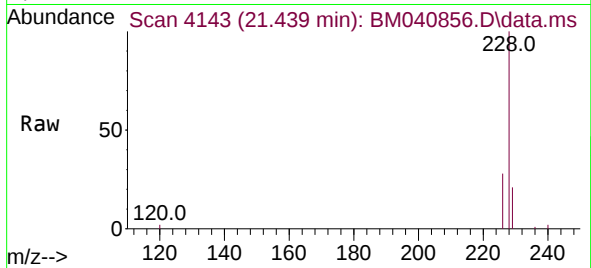
Tgt Ion:202 Resp: 131730
Ion Ratio Lower Upper
202 100
101 14.7 12.6 18.8
100 12.1 9.8 14.6





#21
Benzo(a)anthracene
Concen: 1.807 ng/ul
RT: 21.439 min Scan# 4143
Delta R.T. -0.006 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

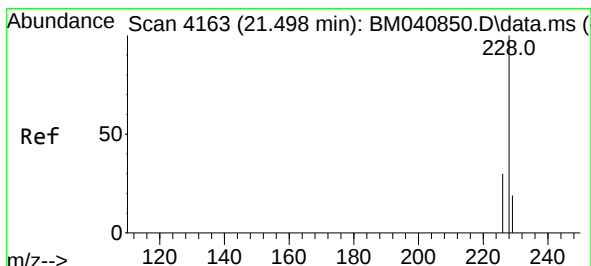
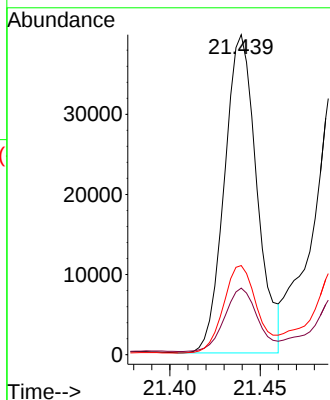
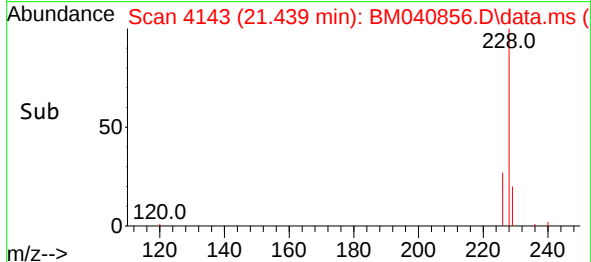
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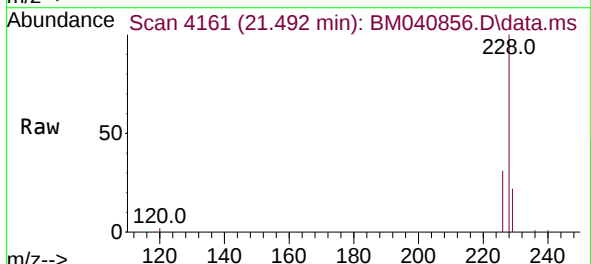
Tgt Ion:228 Resp: 49578
Ion Ratio Lower Upper
228 100
229 20.8 16.0 24.0
226 27.9 22.3 33.5

Manual Integrations
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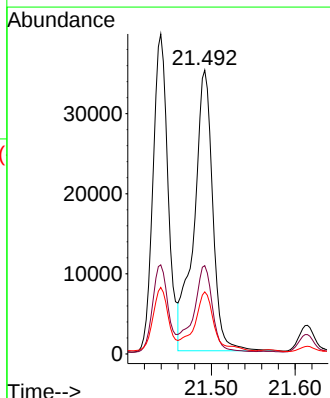
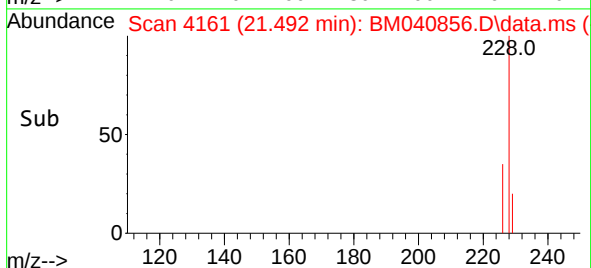
Reviewed By :Yogesh Patel 07/17/2023
Supervised By :mohammad ahmed 07/17/2023

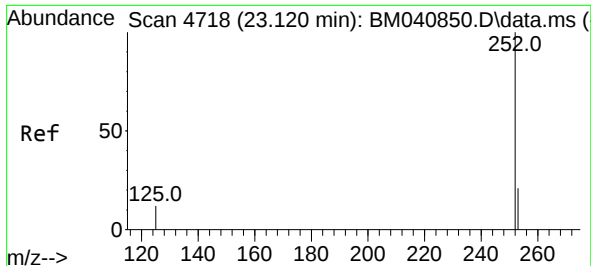


#22
Chrysene
Concen: 1.736 ng/ul
RT: 21.492 min Scan# 4161
Delta R.T. -0.006 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14



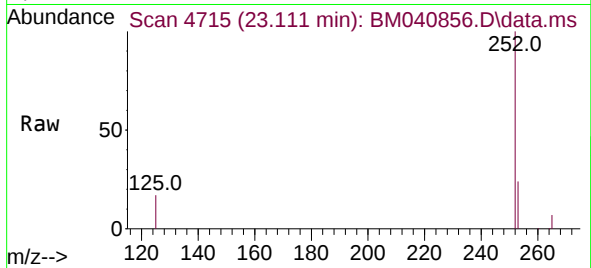
Tgt Ion:228 Resp: 54327
Ion Ratio Lower Upper
228 100
226 31.1 24.9 37.3
229 21.9 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 2.170 ng/ul
RT: 23.111 min Scan# 4715
Delta R.T. -0.009 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

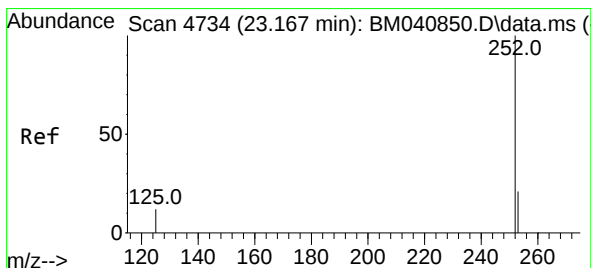
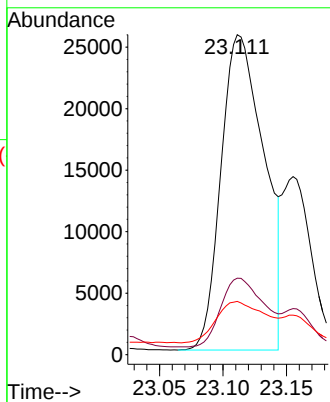
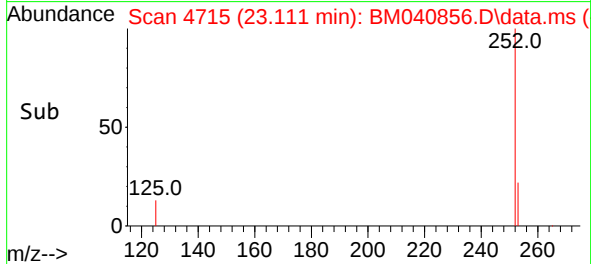
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:252 Resp: 6046
Ion Ratio Lower Upper
252 100
253 23.9 0.0 52.8
125 16.6 0.0 43.0

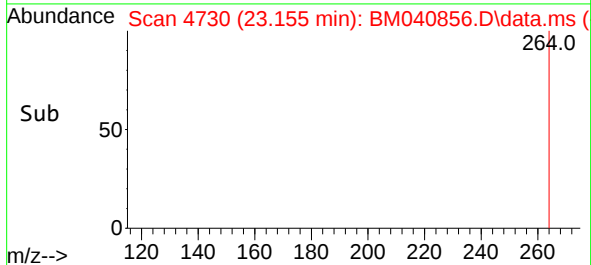
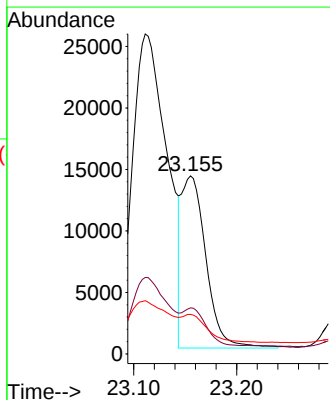
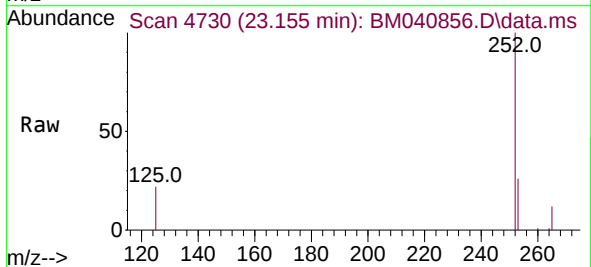
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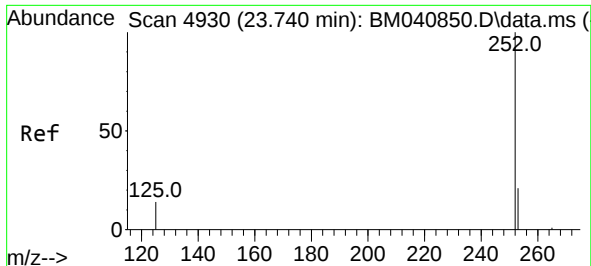
Reviewed By :Yogesh Patel 07/17/2023
Supervised By :mohammad ahmed 07/17/2023



#25
Benzo(k)fluoranthene
Concen: 0.840 ng/ul m
RT: 23.155 min Scan# 4730
Delta R.T. -0.012 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

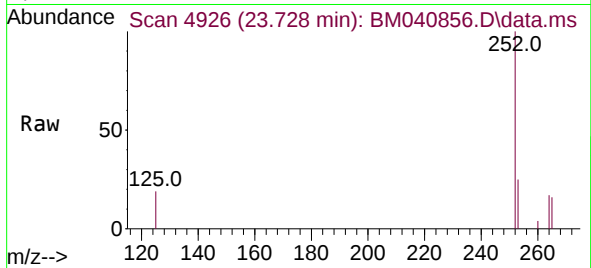
Tgt Ion:252 Resp: 23061
Ion Ratio Lower Upper
252 100
253 25.8 21.2 31.8
125 22.2 16.4 24.6





#26
Benzo(a)pyrene
Concen: 1.086 ng/ul
RT: 23.728 min Scan# 4930
Delta R.T. -0.012 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

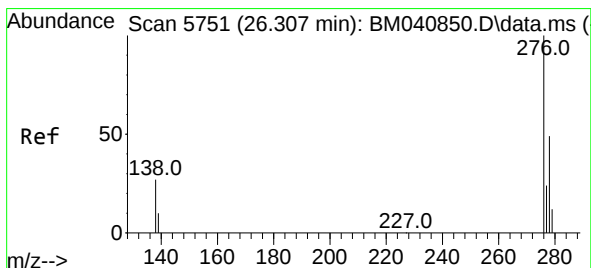
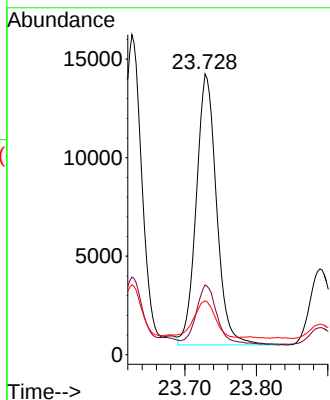
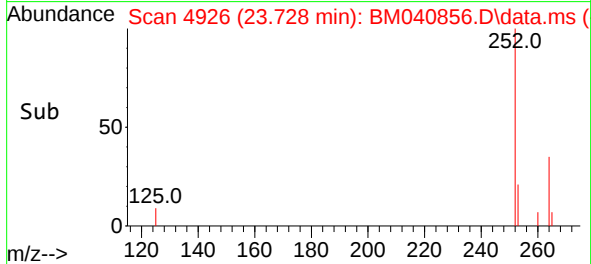
Instrument :
BNA_M
ClientSampleId :
A46K0



Tgt Ion:252 Resp: 27250
Ion Ratio Lower Upper
252 100
253 24.9 22.9 34.3
125 19.2 21.0 31.4

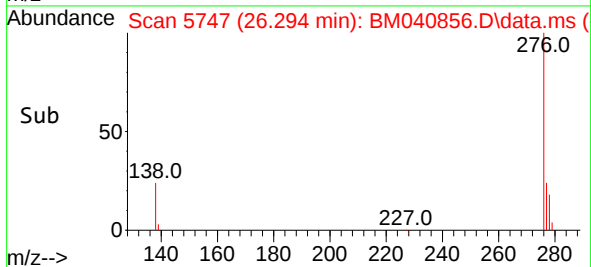
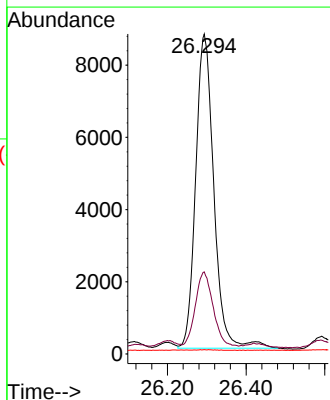
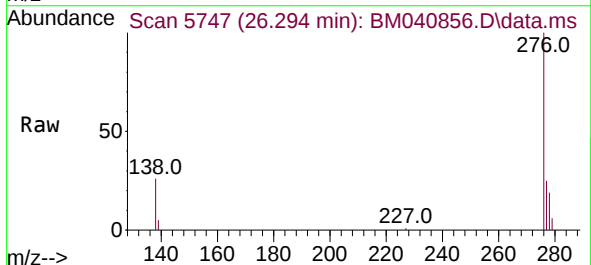
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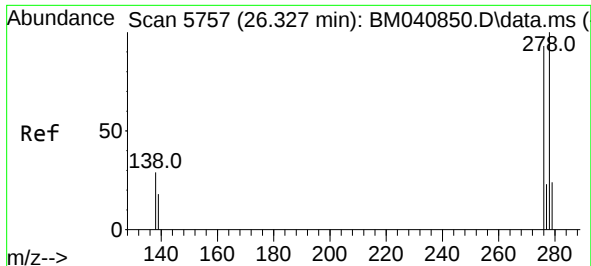
Reviewed By :Yogesh Patel 07/17/2023
Supervised By :mohammad ahmed 07/17/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.795 ng/ul
RT: 26.294 min Scan# 5747
Delta R.T. -0.013 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

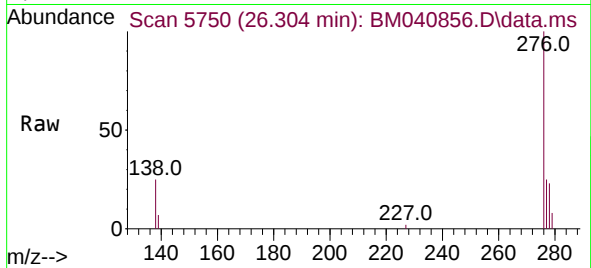
Tgt Ion:276 Resp: 27806
Ion Ratio Lower Upper
276 100
138 23.3 24.5 36.7#
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.233 ng/ul
RT: 26.304 min Scan# 5750
Delta R.T. -0.023 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14

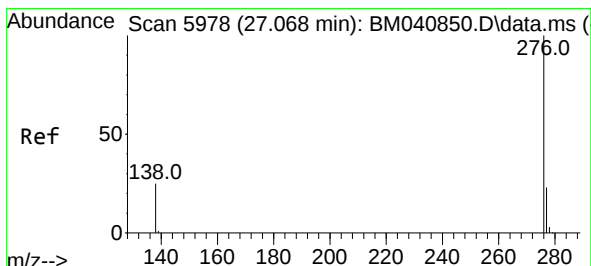
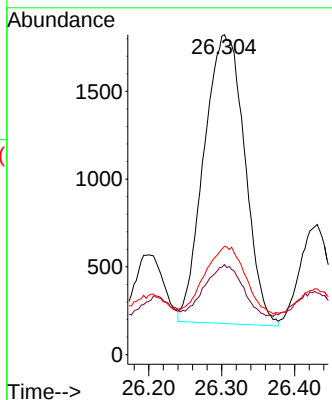
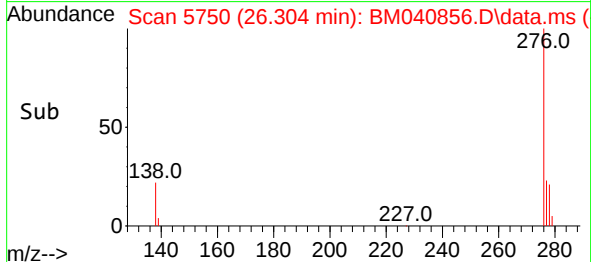
Instrument :
BNA_M
ClientSampleId :
A46K0



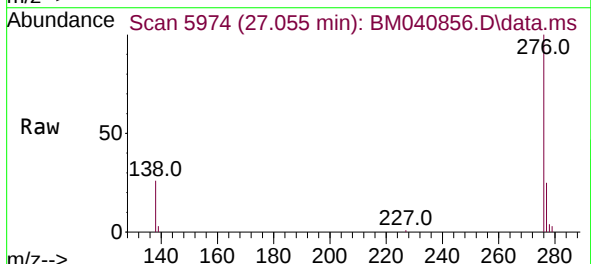
Tgt Ion:278 Resp: 6380
Ion Ratio Lower Upper
278 100
139 28.1 17.9 26.9
279 33.8 22.0 33.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/17/2023
Supervised By :mohammad ahmed 07/17/2023



#29
Benzo(g,h,i)perylene
Concen: 0.875 ng/ul
RT: 27.055 min Scan# 5974
Delta R.T. -0.013 min
Lab File: BM040856.D
Acq: 13 Jul 2023 19:14



Tgt Ion:276 Resp: 26814
Ion Ratio Lower Upper
276 100
138 26.0 23.0 34.6
277 25.2 20.3 30.5

