

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072023\
 Data File : BM041007.D
 Acq On : 21 Jul 2023 07:33
 Operator : MA/JU
 Sample : 03444-21
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46Y2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/21/2023
 Supervised By :mohammad ahmed 07/21/2023

Quant Time: Jul 21 08:04:37 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 : Thu Jul 20 05:08:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	4910	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.663	136	17527	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.513	164	6588	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.295	188	54257m	0.400	ng/ul	0.01
17) Chrysene-d12	21.463	240	7678	0.400	ng/ul	# 0.00
23) Perylene-d12	23.854	264	7315	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.279	96	10599	1.313	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.258	152	7682	0.329	ng/ul	-0.02
18) Fluoranthene-d10	19.301	212	8096	0.251	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.317	88	2226	0.262	ng/ul#	28
5) Naphthalene	10.718	128	27747	0.579	ng/ul	100
7) 2-Methylnaphthalene	12.335	142	4068	0.155	ng/ul	98
8) 1-Methylnaphthalene	12.555	142	9296	0.333	ng/ul	95
10) Acenaphthylene	14.236	152	3224	0.117	ng/ul#	61
11) Acenaphthene	14.578	153	5121	0.211	ng/ul	99
12) Fluorene	15.568	166	6594	0.262	ng/ul#	97
15) Phenanthrene	17.312	178	85103	0.525	ng/ul	99
16) Anthracene	17.405	178	7746	0.061	ng/ul#	95
19) Fluoranthene	19.329	202	117978	2.976	ng/ul	99
20) Pyrene	19.696	202	107963	2.666	ng/ul	97
21) Benzo(a)anthracene	21.445	228	38219	1.634	ng/ul	97
22) Chrysene	21.498	228	43504	1.627	ng/ul	96
24) Benzo(b)fluoranthene	23.126	252	46654	1.662	ng/ul	93
25) Benzo(k)fluoranthene	23.170	252	18767m	0.704	ng/ul	
26) Benzo(a)pyrene	23.746	252	17346	0.715	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	26.320	276	22809	0.709	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.327	278	5441	0.224	ng/ul#	82
29) Benzo(g,h,i)perylene	27.078	276	22906	0.770	ng/ul	98

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

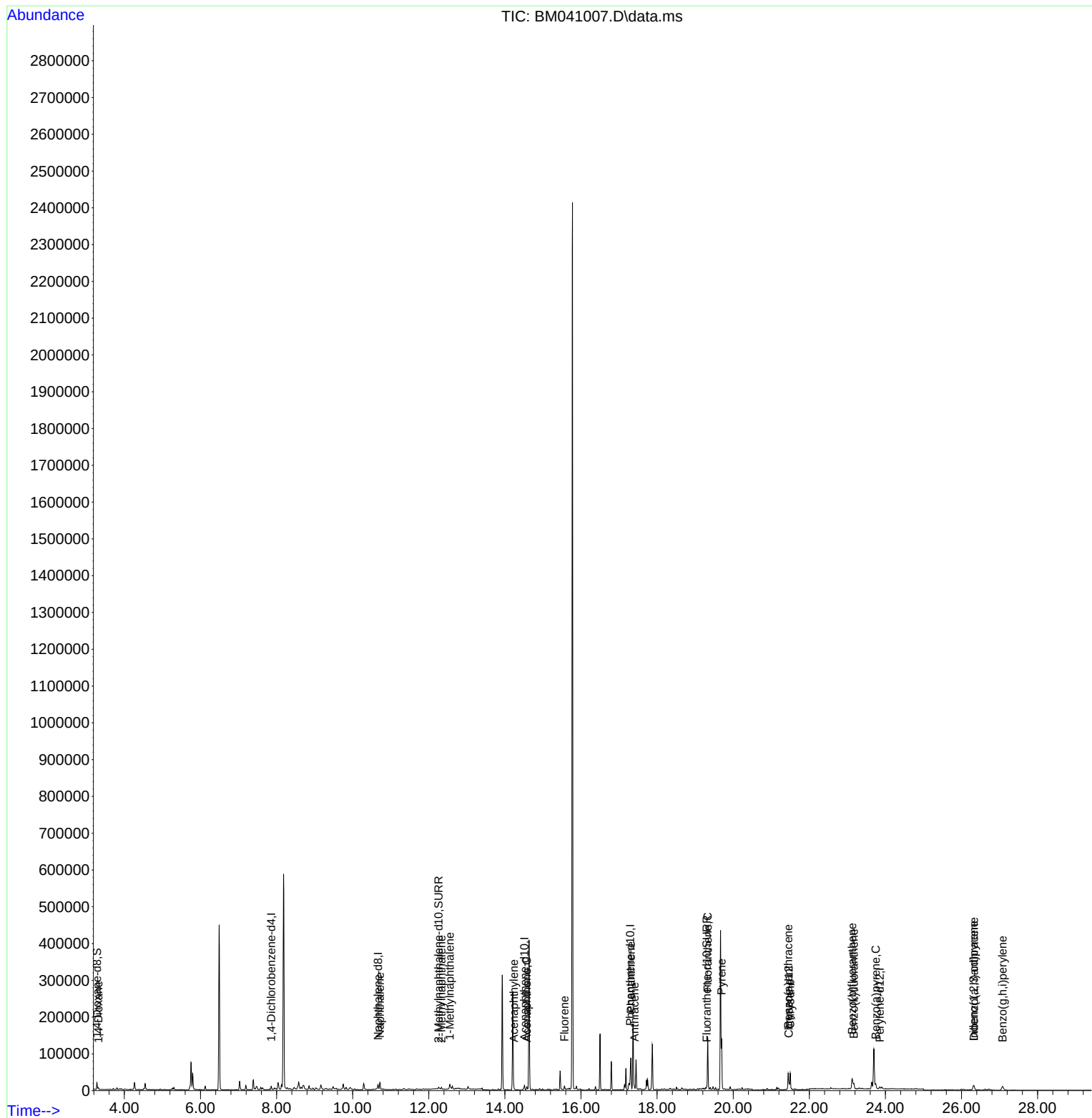
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072023\
Data File : BM041007.D
Acq On : 21 Jul 2023 07:33
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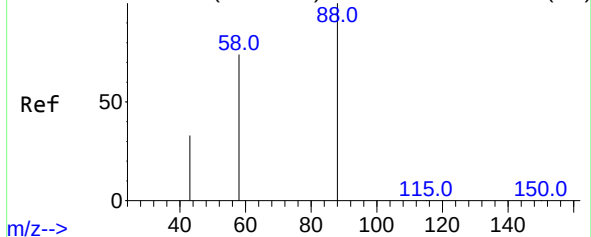
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

Quant Time: Jul 21 08:04:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
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QLast Update : Thu Jul 20 05:08:42 2023
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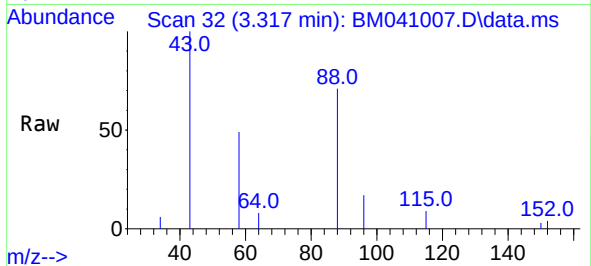


Abundance Scan 32 (3.317 min): BM040993.D\data.ms (-24)



#2
1,4-Dioxane
Concen: 0.262 ng/ul
RT: 3.317 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33

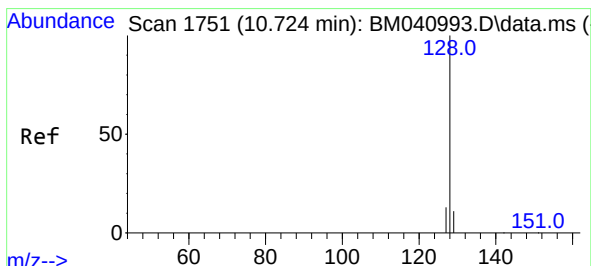
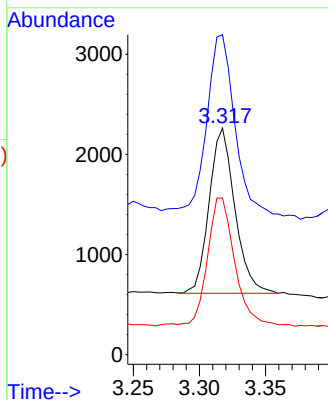
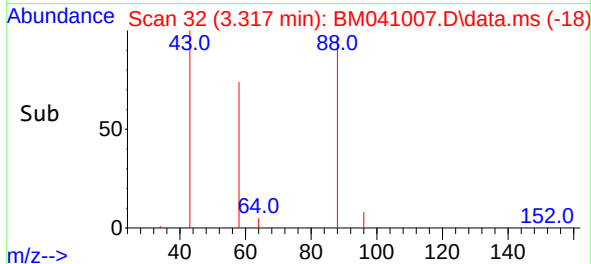
Instrument :
BNA_M
ClientSampleId :
A46Y2



Tgt Ion: 88 Resp: 2220
Ion Ratio Lower Upper
88 100
43 141.3 46.7 70.1
58 69.2 40.3 60.5

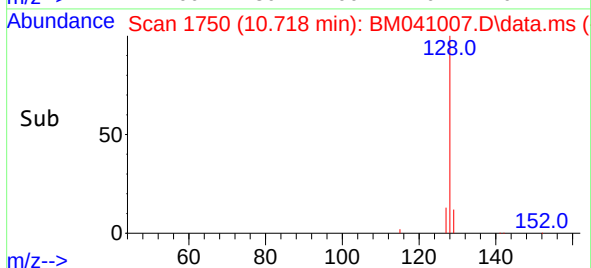
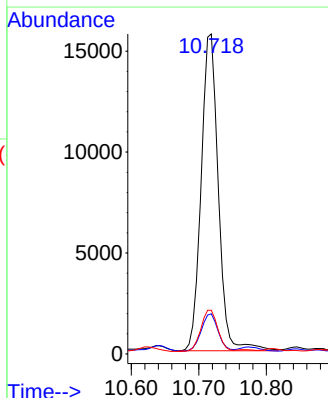
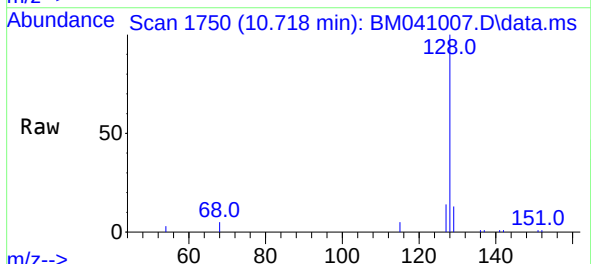
Manual Integrations
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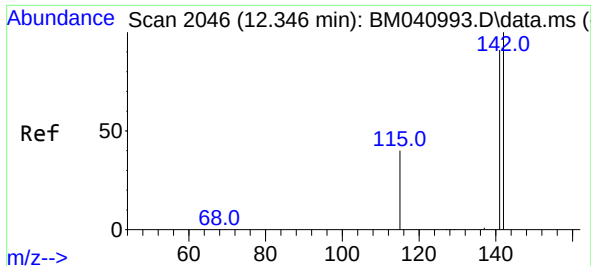
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#5
Naphthalene
Concen: 0.579 ng/ul
RT: 10.718 min Scan# 1750
Delta R.T. -0.011 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33

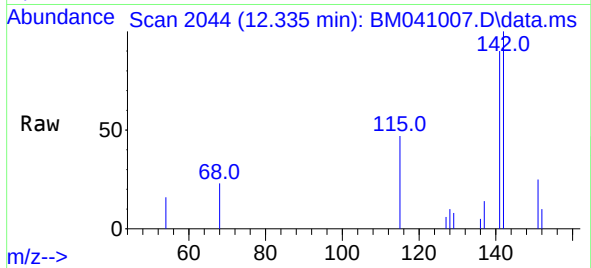
Tgt Ion:128 Resp: 27747
Ion Ratio Lower Upper
128 100
129 12.5 9.8 14.8
127 13.6 11.0 16.4





#7
2-Methylnaphthalene
Concen: 0.155 ng/ul
RT: 12.335 min Scan# 2044
Delta R.T. -0.017 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33

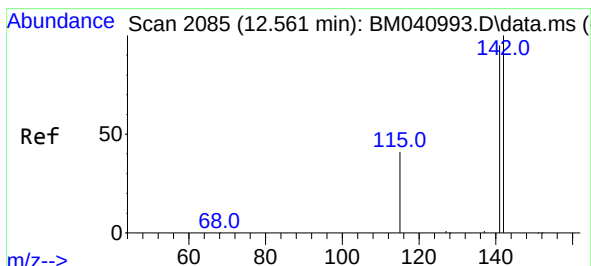
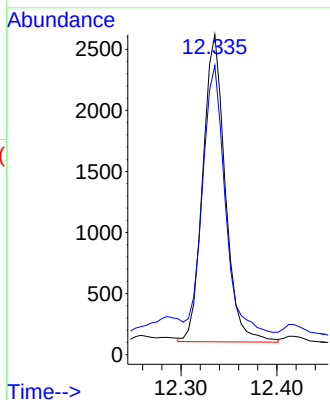
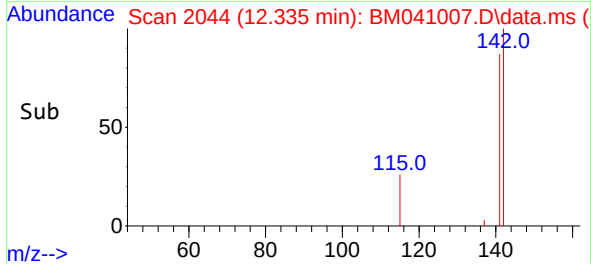
Instrument :
BNA_M
ClientSampleId :
A46Y2



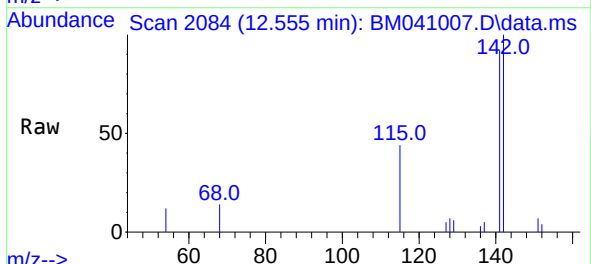
Tgt Ion:142 Resp: 4068
Ion Ratio Lower Upper
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141 89.4 73.2 109.8

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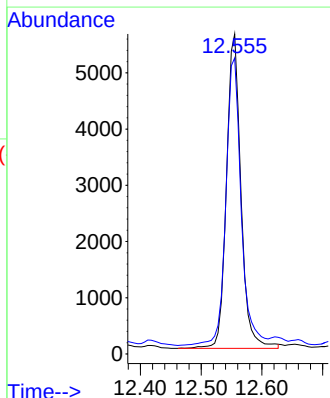
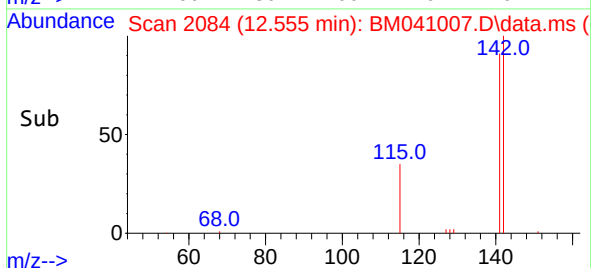
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

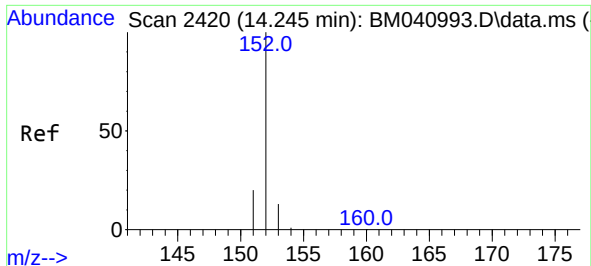


#8
1-Methylnaphthalene
Concen: 0.333 ng/ul
RT: 12.555 min Scan# 2084
Delta R.T. -0.011 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33



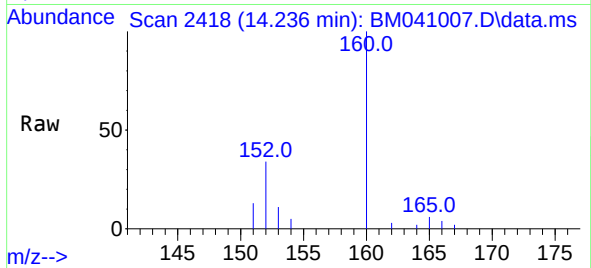
Tgt Ion:142 Resp: 9296
Ion Ratio Lower Upper
142 100
141 96.2 73.4 110.2





#10
Acenaphthylene
Concen: 0.117 ng/ul
RT: 14.236 min Scan# 2418
Delta R.T. -0.014 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33

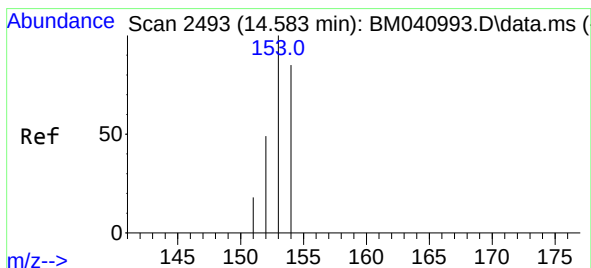
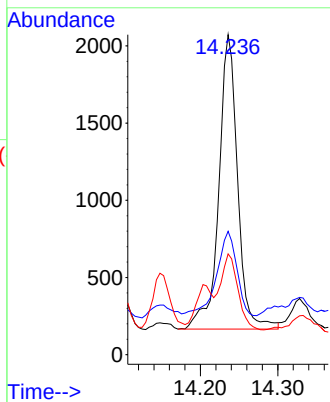
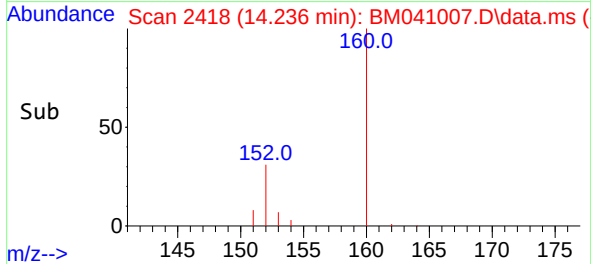
Instrument :
BNA_M
ClientSampleId :
A46Y2



Tgt Ion:152 Resp: 3224
Ion Ratio Lower Upper
152 100
151 38.5 16.8 25.2
153 31.5 11.6 17.4

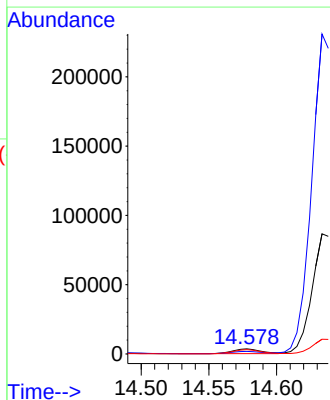
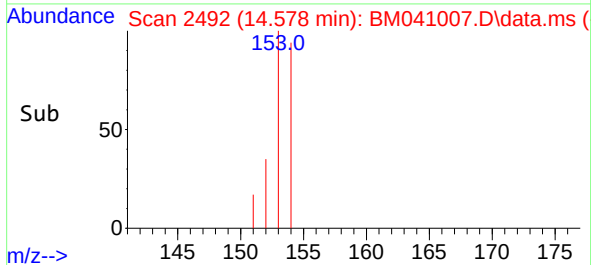
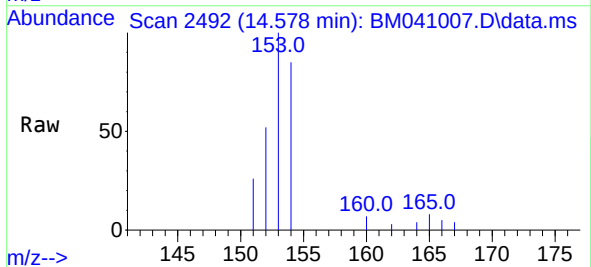
Manual Integrations
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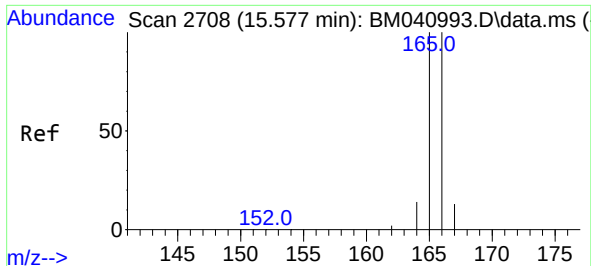
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#11
Acenaphthene
Concen: 0.211 ng/ul
RT: 14.578 min Scan# 2492
Delta R.T. -0.009 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33

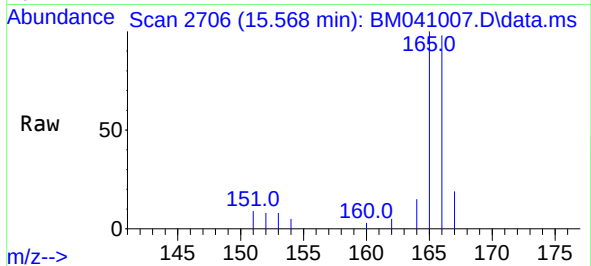
Tgt Ion:153 Resp: 5121
Ion Ratio Lower Upper
153 100
152 52.0 41.0 61.6
154 84.8 68.2 102.2





#12
Fluorene
Concen: 0.262 ng/uI
RT: 15.568 min Scan# 21
Delta R.T. -0.014 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33

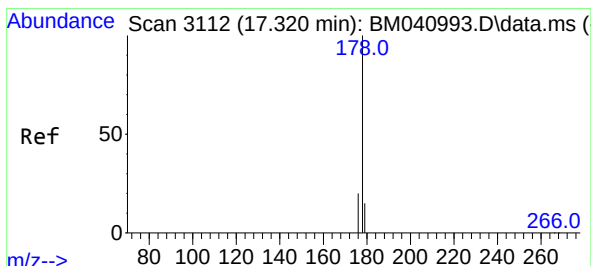
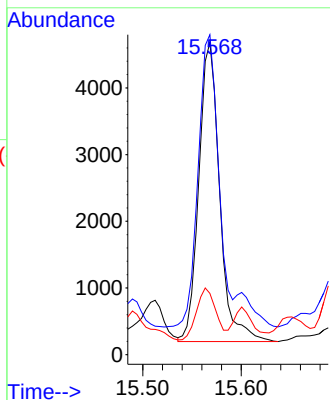
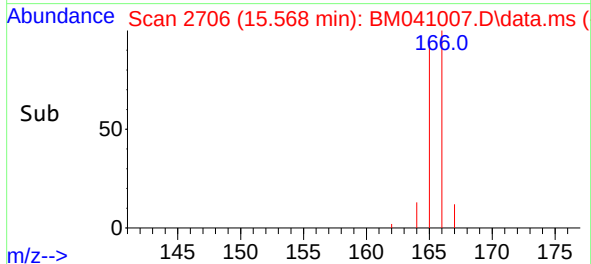
Instrument :
BNA_M
ClientSampleId :
A46Y2



Tgt Ion:166 Resp: 6594
Ion Ratio Lower Upper
166 100
165 102.4 80.3 120.5
167 19.6 11.7 17.5

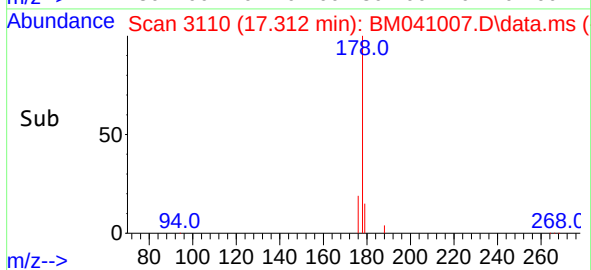
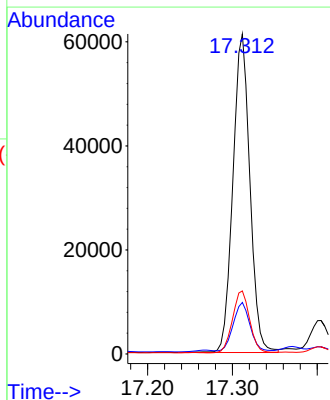
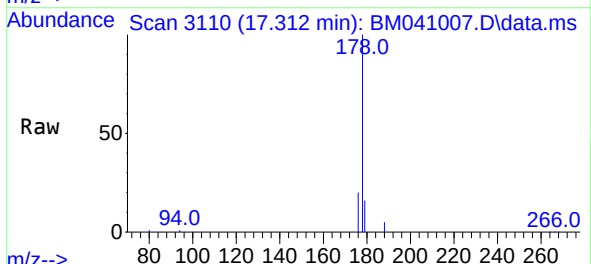
Manual Integrations
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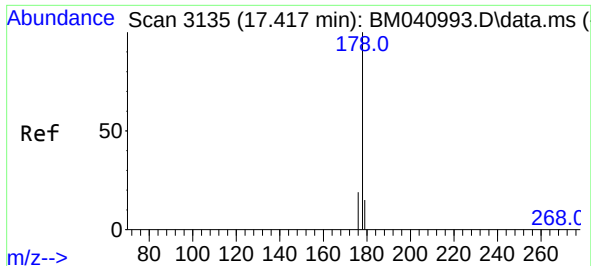
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#15
Phenanthrene
Concen: 0.525 ng/uI
RT: 17.312 min Scan# 3110
Delta R.T. -0.013 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33

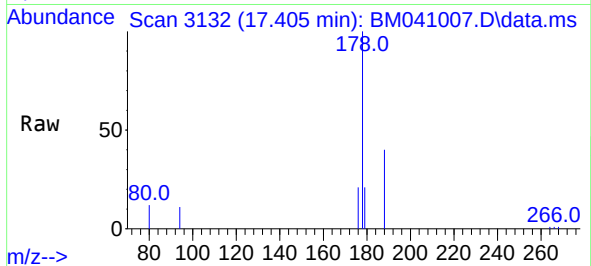
Tgt Ion:178 Resp: 85103
Ion Ratio Lower Upper
178 100
179 16.1 13.0 19.6
176 19.7 16.2 24.4





#16
 Anthracene
 Concen: 0.061 ng/u1
 RT: 17.405 min Scan# 3135
 Delta R.T. -0.017 min
 Lab File: BM041007.D
 Acq: 21 Jul 2023 07:33

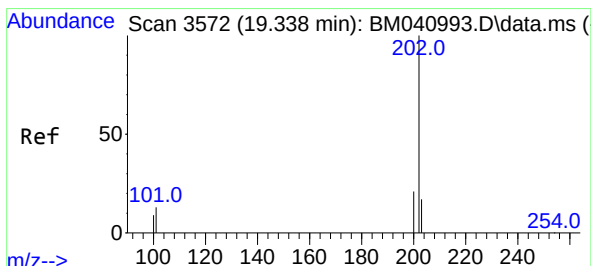
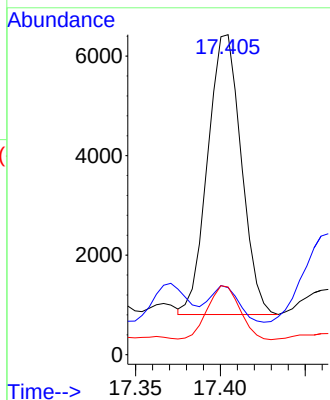
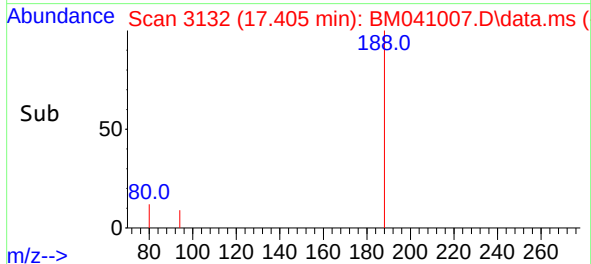
Instrument :
 BNA_M
 ClientSampleId :
 A46Y2



Tgt Ion:178 Resp: 7740
 Ion Ratio Lower Upper
 178 100
 179 20.9 13.7 20.5
 176 21.1 16.4 24.6

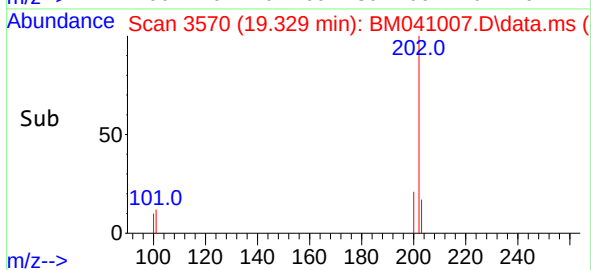
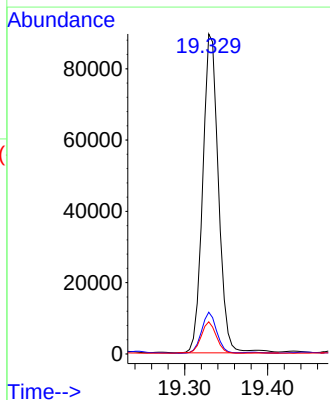
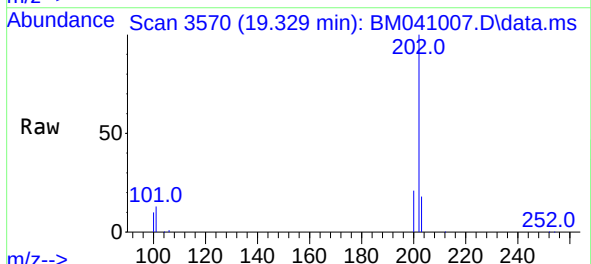
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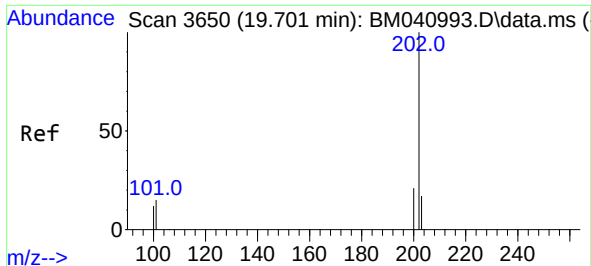
Reviewed By :Yogesh Patel 07/21/2023
 Supervised By :mohammad ahmed 07/21/2023



#19
 Fluoranthene
 Concen: 2.976 ng/u1
 RT: 19.329 min Scan# 3570
 Delta R.T. -0.014 min
 Lab File: BM041007.D
 Acq: 21 Jul 2023 07:33

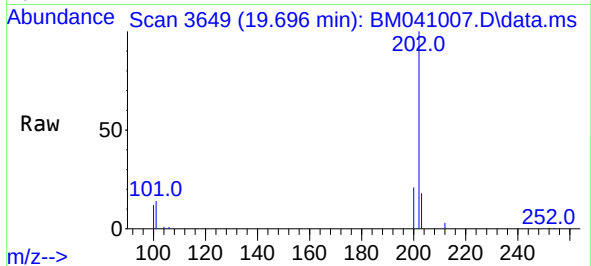
Tgt Ion:202 Resp: 117978
 Ion Ratio Lower Upper
 202 100
 101 13.1 11.0 16.4
 100 10.0 8.3 12.5





#20
Pyrene
Concen: 2.666 ng/ul
RT: 19.696 min Scan# 3649
Delta R.T. -0.009 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33

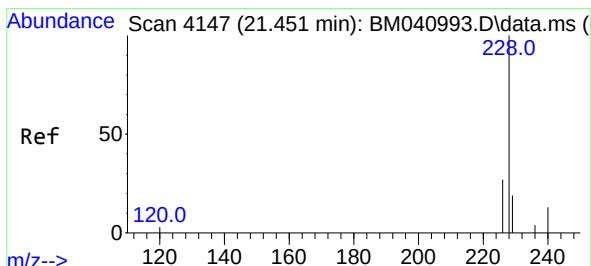
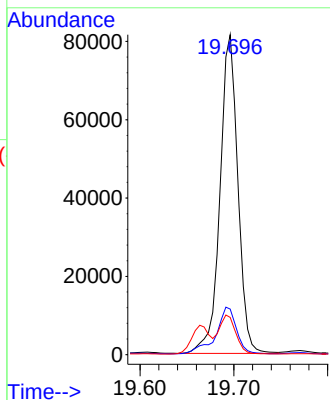
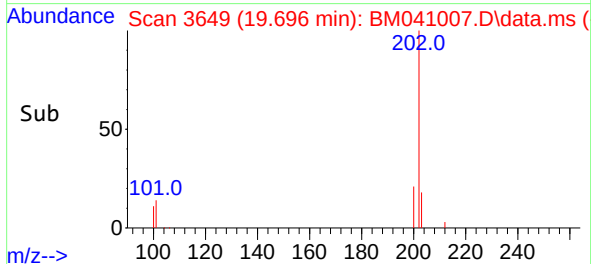
Instrument :
BNA_M
ClientSampleId :
A46Y2



Tgt Ion:202 Resp: 10796
Ion Ratio Lower Upper
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101 14.2 12.5 18.7
100 11.6 10.0 15.0

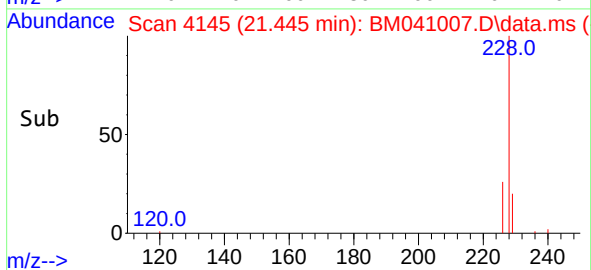
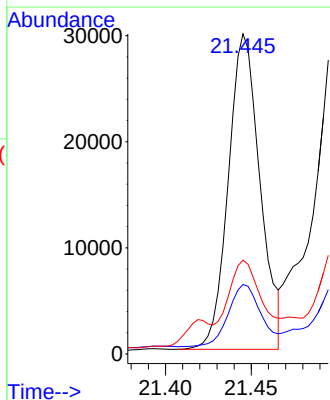
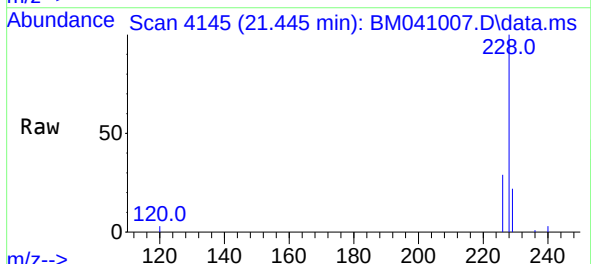
Manual Integrations
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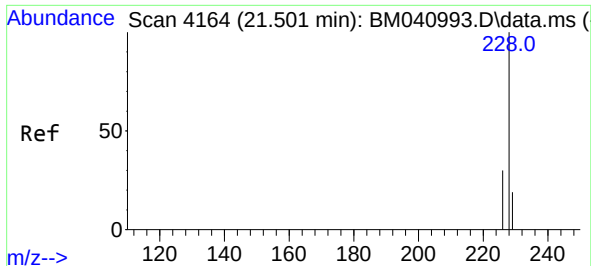
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#21
Benzo(a)anthracene
Concen: 1.634 ng/ul
RT: 21.445 min Scan# 4145
Delta R.T. -0.012 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33

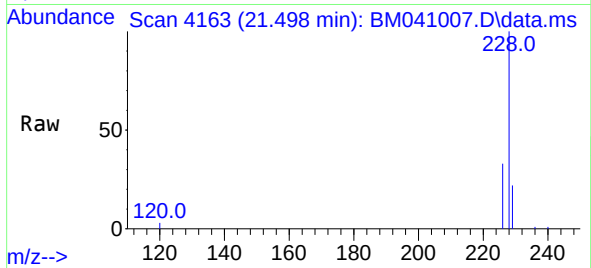
Tgt Ion:228 Resp: 38219
Ion Ratio Lower Upper
228 100
229 21.7 16.2 24.4
226 29.3 22.3 33.5





#22
Chrysene
Concen: 1.627 ng/u1
RT: 21.498 min Scan# 4163
Delta R.T. -0.009 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33

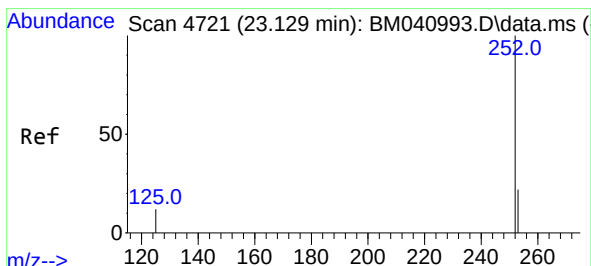
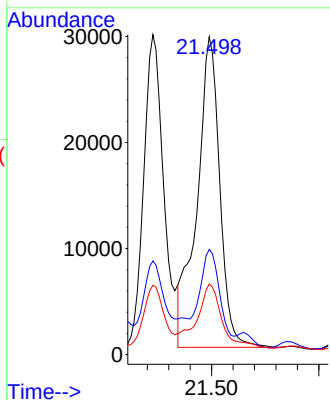
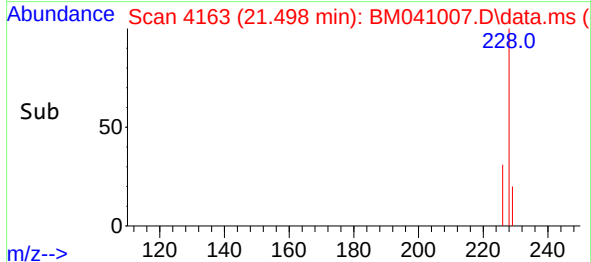
Instrument :
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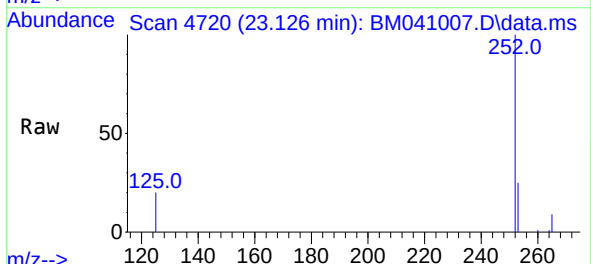
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Ion Ratio Lower Upper
228 100
226 33.1 24.6 37.0
229 22.3 16.1 24.1

Manual Integrations
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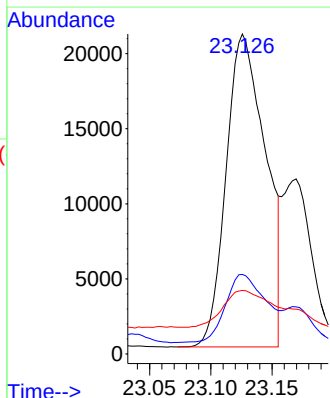
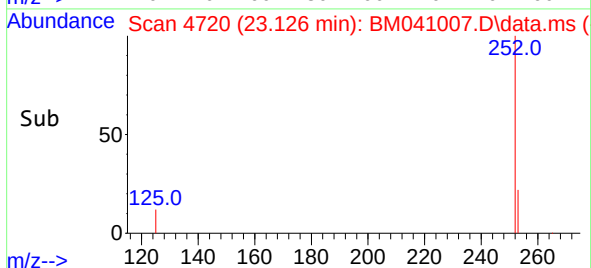
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

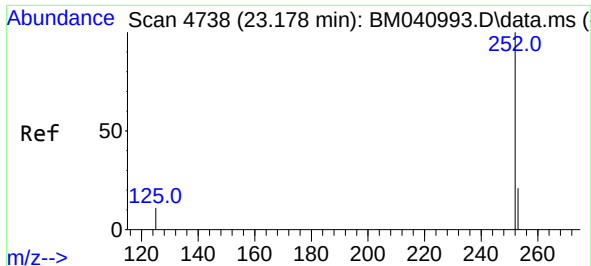


#24
Benzo(b)fluoranthene
Concen: 1.662 ng/u1
RT: 23.126 min Scan# 4720
Delta R.T. -0.009 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33



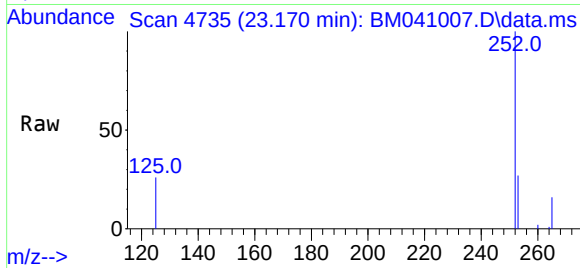
Tgt Ion:252 Resp: 46654
Ion Ratio Lower Upper
252 100
253 24.9 0.0 57.4
125 19.9 0.0 45.2





#25
Benzo(k)fluoranthene
Concen: 0.704 ng/ul m
RT: 23.170 min Scan# 41
Delta R.T. -0.018 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33

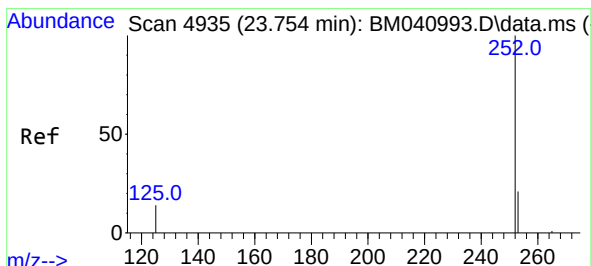
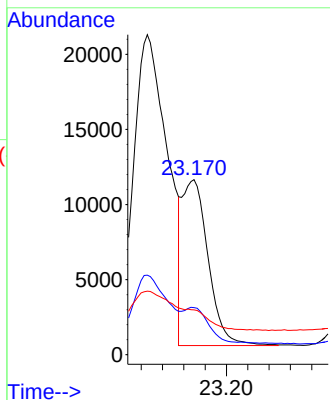
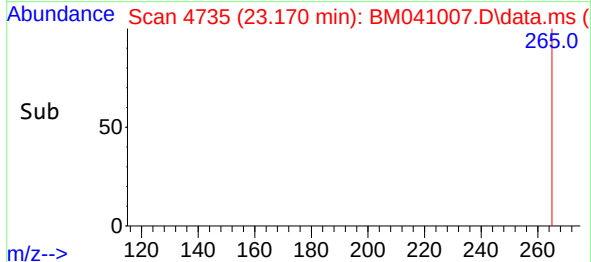
Instrument :
BNA_M
ClientSampleId :
A46Y2



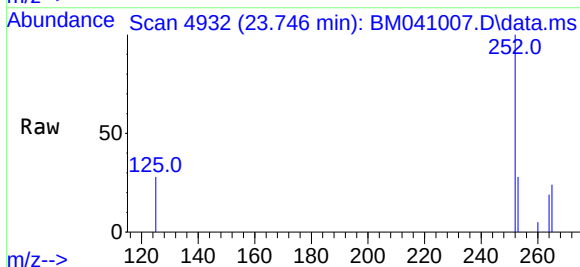
Tgt Ion:252 Resp: 1876
Ion Ratio Lower Upper
252 100
253 26.9 23.3 34.9
125 25.6 18.2 27.2

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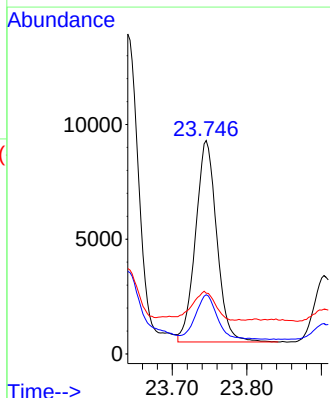
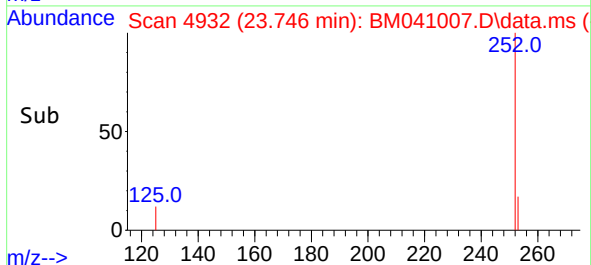
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

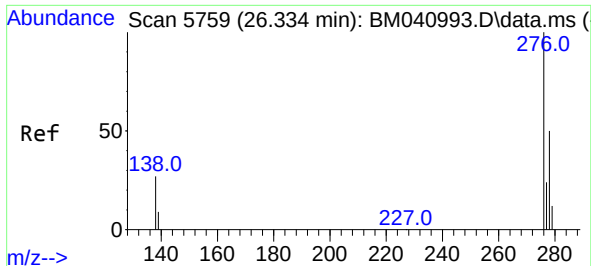


#26
Benzo(a)pyrene
Concen: 0.715 ng/ul
RT: 23.746 min Scan# 4932
Delta R.T. -0.018 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33



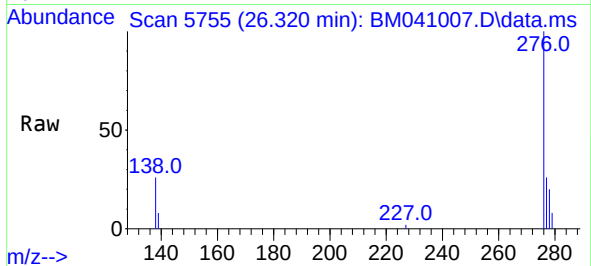
Tgt Ion:252 Resp: 17346
Ion Ratio Lower Upper
252 100
253 27.7 28.2 42.2#
125 28.5 25.2 37.8





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.709 ng/ul
RT: 26.320 min Scan# 5759
Delta R.T. -0.030 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33

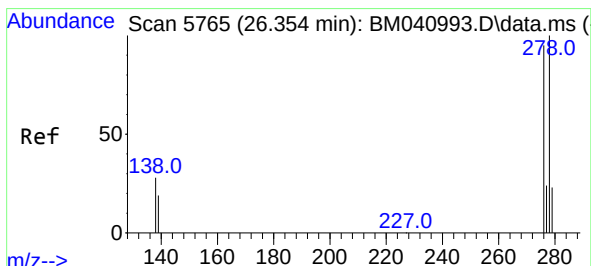
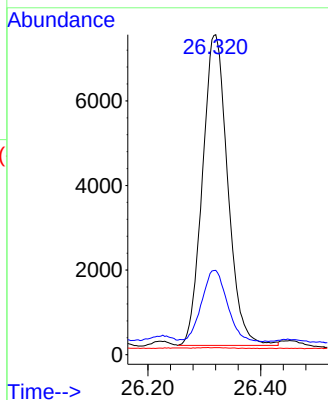
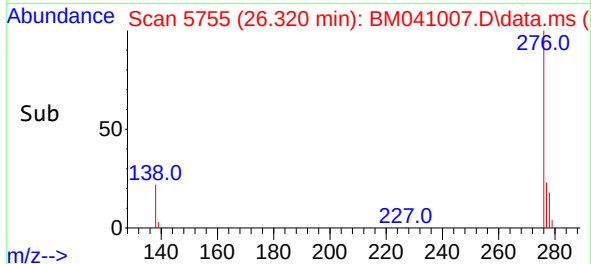
Instrument :
BNA_M
ClientSampleId :
A46Y2



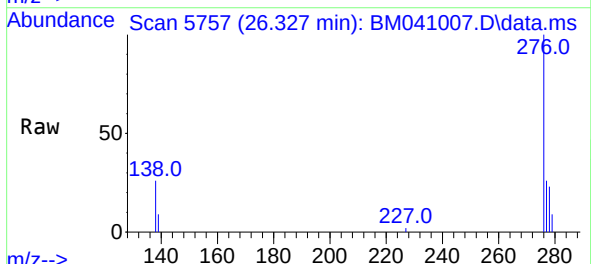
Tgt Ion:276 Resp: 22809
Ion Ratio Lower Upper
276 100
138 23.2 22.3 33.5
227 0.2 0.0 0.0

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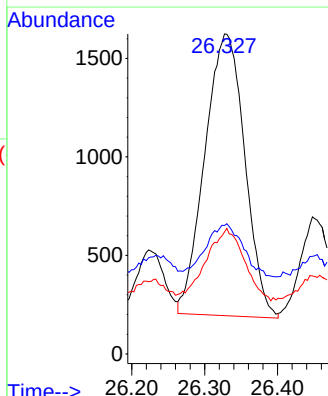
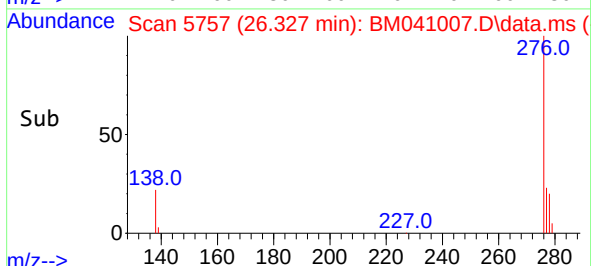
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

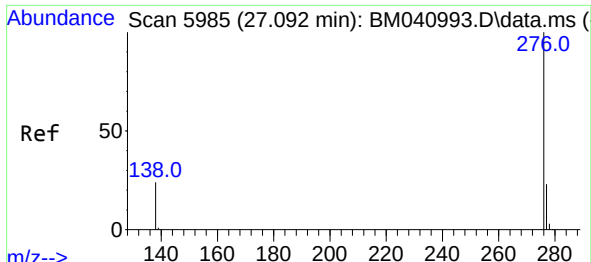


#28
Dibenzo(a,h)anthracene
Concen: 0.224 ng/ul
RT: 26.327 min Scan# 5757
Delta R.T. -0.040 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33



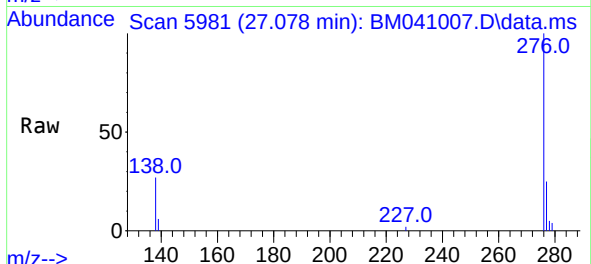
Tgt Ion:278 Resp: 5441
Ion Ratio Lower Upper
278 100
139 40.1 19.2 28.8#
279 38.1 27.0 40.6





#29
Benzo(g,h,i)perylene
Concen: 0.770 ng/ul
RT: 27.078 min Scan# 5985
Delta R.T. -0.024 min
Lab File: BM041007.D
Acq: 21 Jul 2023 07:33

Instrument :
BNA_M
ClientSampleId :
A46Y2



Tgt Ion:276 Resp: 22900
Ion Ratio Lower Upper
276 100
138 27.2 22.6 34.0
277 25.4 21.2 31.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

