

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092823\
 Data File : BM042107.D
 Acq On : 28 Sep 2023 10:35
 Operator : MA/JU
 Sample : 04417-28
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYF4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/29/2023
 Supervised By :mohammad ahmed 10/03/2023

Quant Time: Sep 28 11:07:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM092223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 13:50:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	3601	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.752	136	9881	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.583	164	4722	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.337	188	10806	0.400	ng/ul	#-0.02
17) Chrysene-d12	21.512	240	6118	0.400	ng/ul	#-0.01
23) Perylene-d12	23.915	264	7440	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.364	96	13434	2.738	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.335	152	2108	0.170	ng/ul	-0.02
18) Fluoranthene-d10	19.362	212	3971	0.158	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.801	128	9739	0.294	ng/ul	99
7) 2-Methylnaphthalene	12.407	142	4925	0.250	ng/ul	99
8) 1-Methylnaphthalene	12.627	142	3237	0.162	ng/ul	99
10) Acenaphthylene	14.314	152	3099	0.098	ng/ul#	89
11) Acenaphthene	14.647	153	1559	0.064	ng/ul	94
12) Fluorene	15.633	166	975	0.036	ng/ul#	82
15) Phenanthrene	17.379	178	37951	0.757	ng/ul	98
16) Anthracene	17.472	178	8651	0.200	ng/ul#	90
19) Fluoranthene	19.389	202	88443	1.279	ng/ul	98
20) Pyrene	19.757	202	122119	1.796	ng/ul	99
21) Benzo(a)anthracene	21.495	228	30294	0.653	ng/ul#	95
22) Chrysene	21.547	228	60667m	1.266	ng/ul	
24) Benzo(b)fluoranthene	23.175	252	67376	1.177	ng/ul	85
25) Benzo(k)fluoranthene	23.219	252	22705m	0.408	ng/ul	
26) Benzo(a)pyrene	23.810	252	35357	0.751	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.394	276	42385	0.656	ng/ul#	89
28) Dibenzo(a,h)anthracene	26.397	278	8794	0.188	ng/ul#	55
29) Benzo(g,h,i)perylene	27.172	276	38935	0.716	ng/ul	98

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

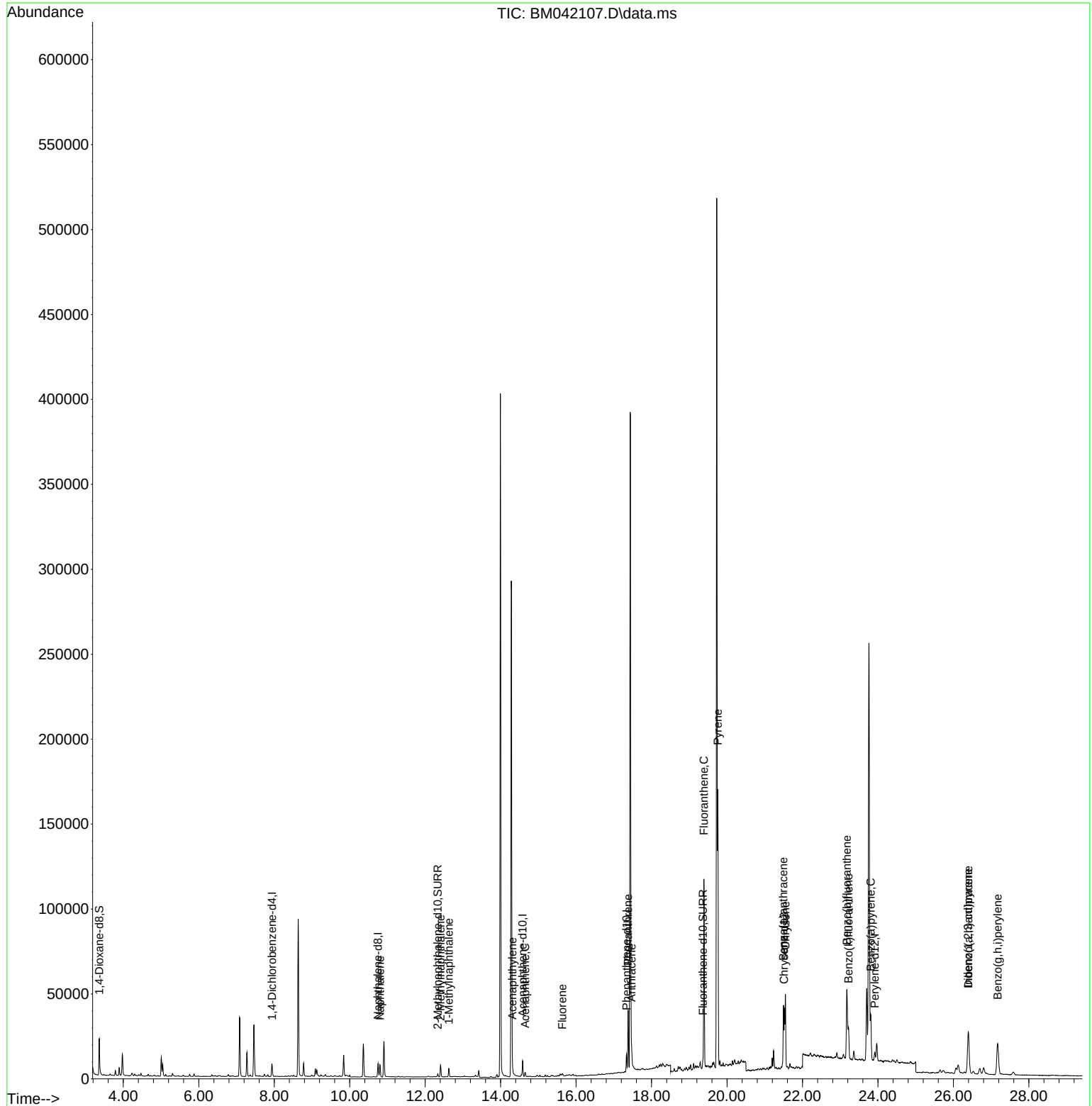
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092823\
Data File : BM042107.D
Acq On : 28 Sep 2023 10:35
Operator : MA/JU
Sample : 04417-28
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ALS Vial : 5 Sample Multiplier: 1

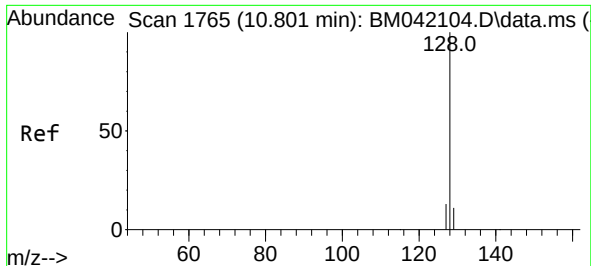
Instrument :
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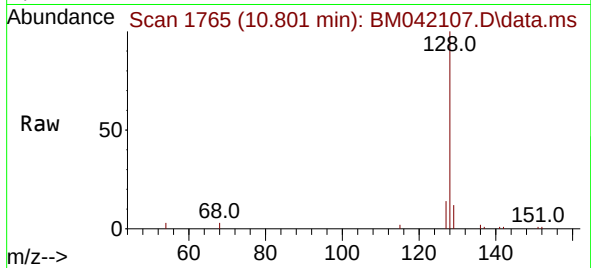
Quant Time: Sep 28 11:07:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM092223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 22 13:50:58 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.294 ng/ul
RT: 10.801 min Scan# 1765
Delta R.T. -0.017 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

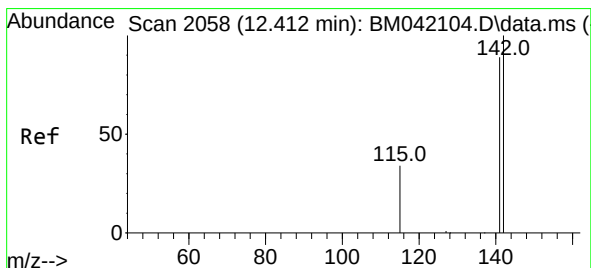
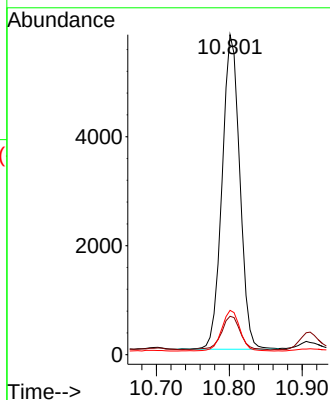
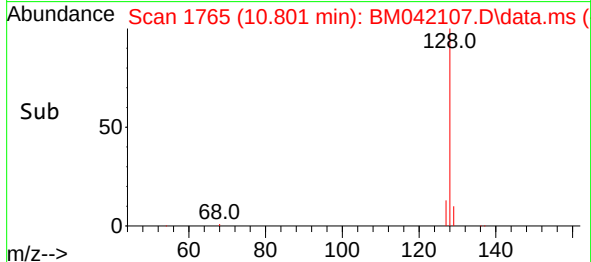
Instrument :
BNA_M
ClientSampleId :
EZYF4



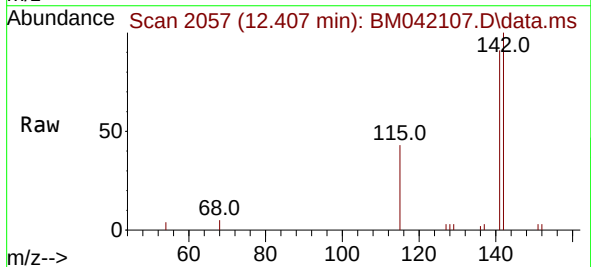
Tgt Ion:128 Resp: 9739
Ion Ratio Lower Upper
128 100
129 12.0 9.2 13.8
127 13.9 10.8 16.2

Manual Integrations
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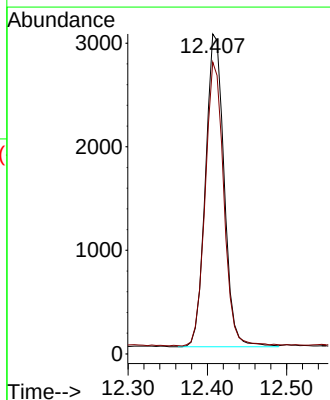
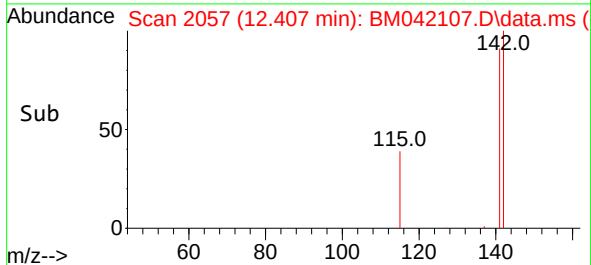
Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 10/03/2023

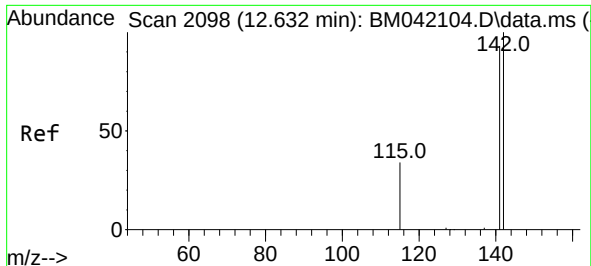


#7
2-Methylnaphthalene
Concen: 0.250 ng/ul
RT: 12.407 min Scan# 2057
Delta R.T. -0.017 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35



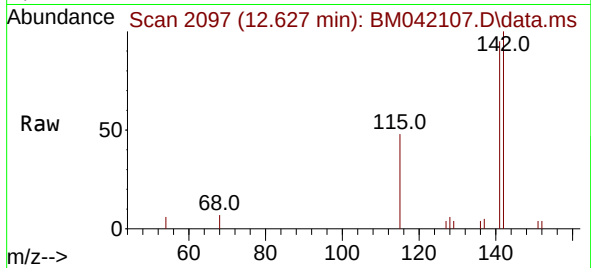
Tgt Ion:142 Resp: 4925
Ion Ratio Lower Upper
142 100
141 90.9 72.1 108.1





#8
1-Methylnaphthalene
Concen: 0.162 ng/ul
RT: 12.627 min Scan# 2097
Delta R.T. -0.016 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

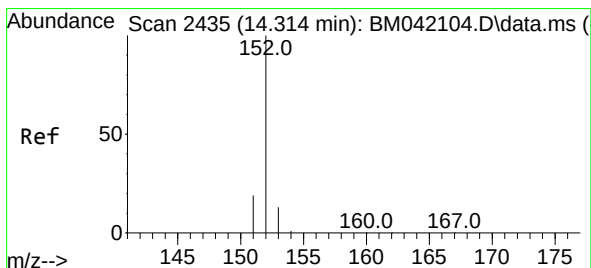
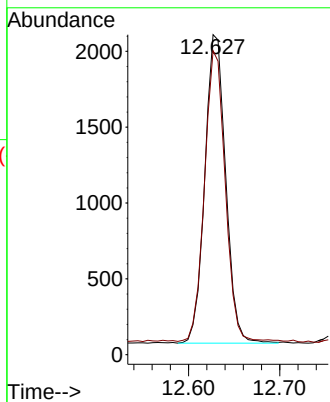
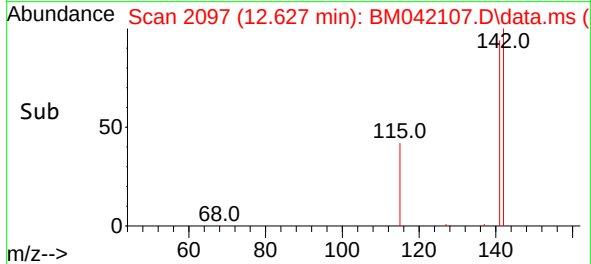
Instrument :
BNA_M
ClientSampleId :
EZYF4



Tgt Ion:142 Resp: 323
Ion Ratio Lower Upper
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141 93.3 75.1 112.7

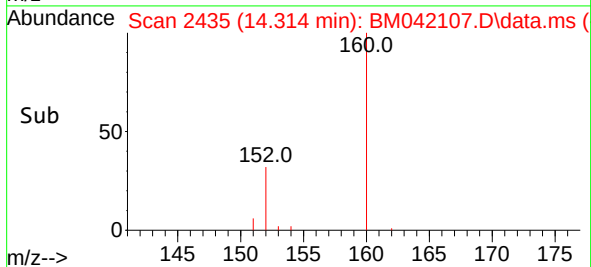
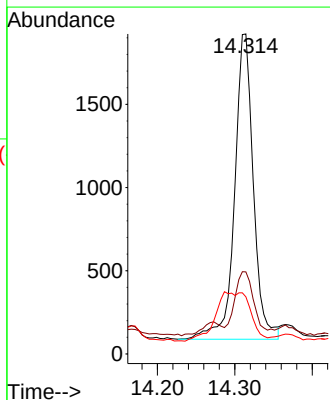
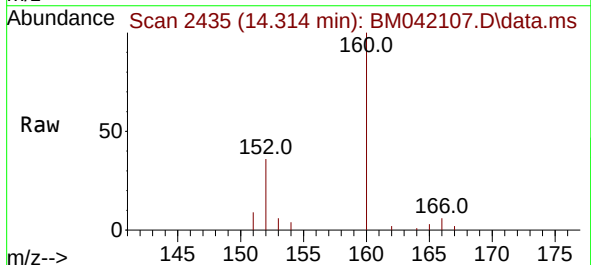
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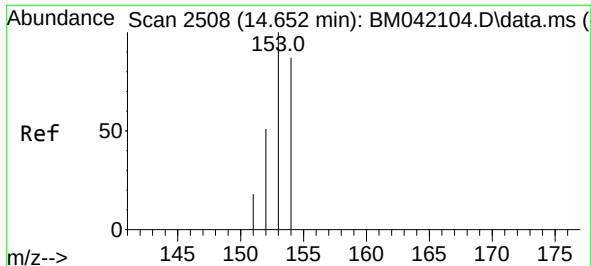
Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 10/03/2023



#10
Acenaphthylene
Concen: 0.098 ng/ul
RT: 14.314 min Scan# 2435
Delta R.T. -0.014 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

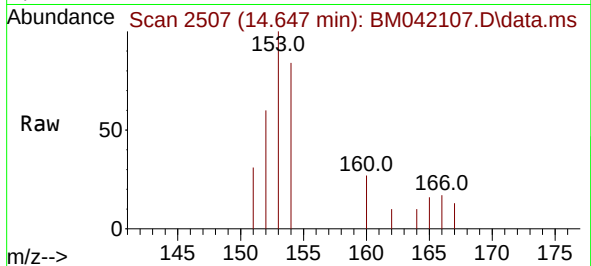
Tgt Ion:152 Resp: 3099
Ion Ratio Lower Upper
152 100
151 25.6 16.2 24.4#
153 17.8 10.8 16.2#





#11
Acenaphthene
Concen: 0.064 ng/u1
RT: 14.647 min Scan# 21
Delta R.T. -0.014 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

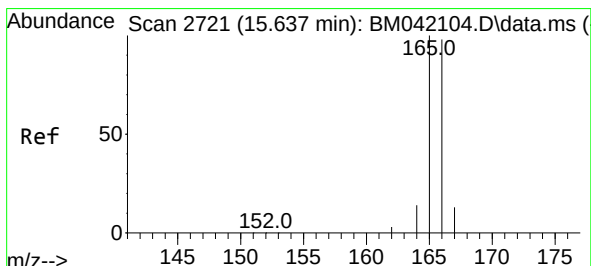
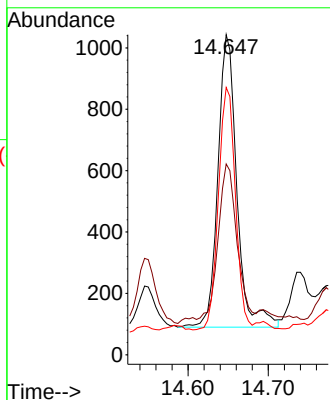
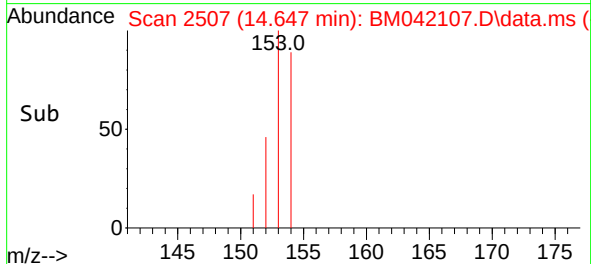
Instrument :
BNA_M
ClientSampleId :
EZYF4



Tgt Ion:153 Resp: 1559
Ion Ratio Lower Upper
153 100
152 59.6 41.8 62.8
154 83.5 69.0 103.6

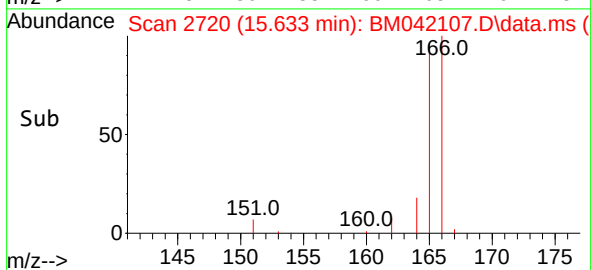
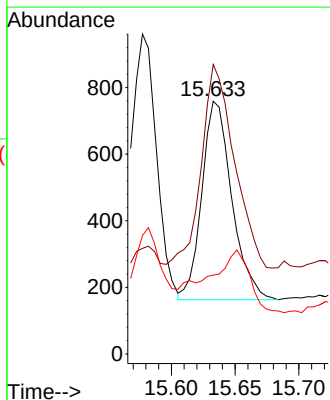
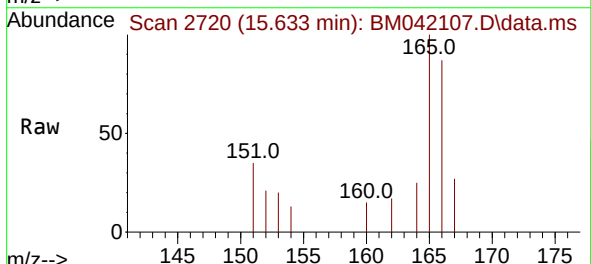
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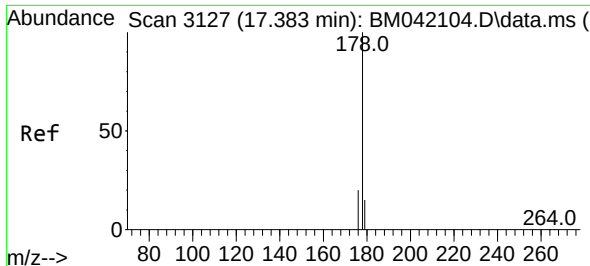
Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 10/03/2023



#12
Fluorene
Concen: 0.036 ng/u1
RT: 15.633 min Scan# 2720
Delta R.T. -0.019 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

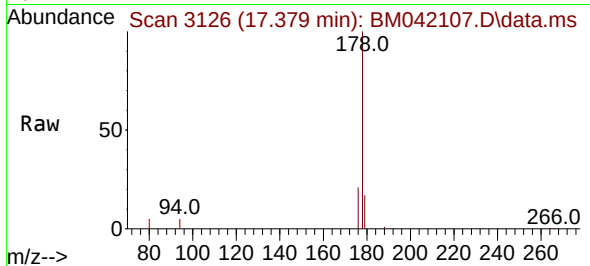
Tgt Ion:166 Resp: 975
Ion Ratio Lower Upper
166 100
165 114.5 79.8 119.8
167 31.2 11.1 16.7#





#15
Phenanthrene
Concen: 0.757 ng/ul
RT: 17.379 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

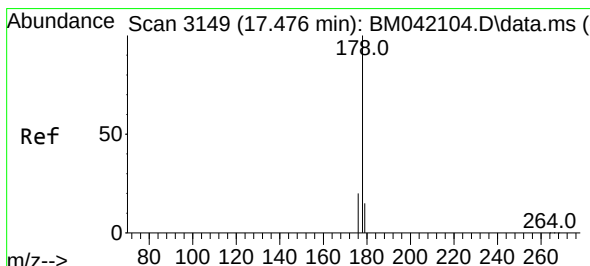
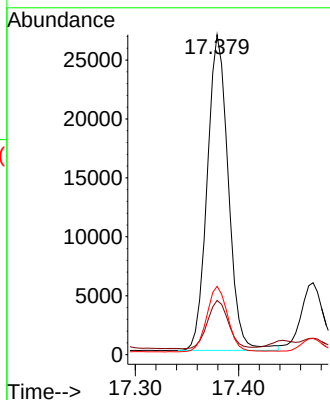
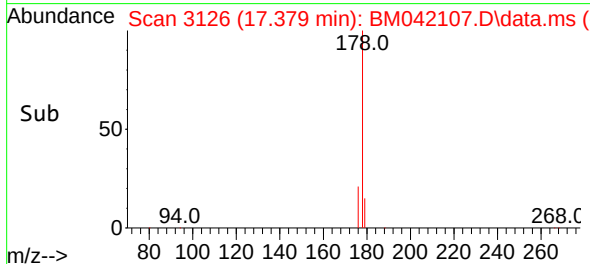
Instrument :
BNA_M
ClientSampleId :
EZYF4



Tgt Ion:178 Resp: 3795
Ion Ratio Lower Upper
178 100
179 16.9 12.7 19.1
176 21.4 16.6 24.8

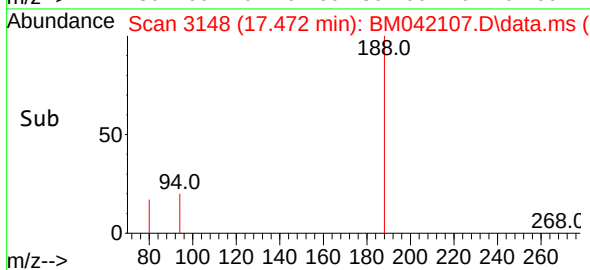
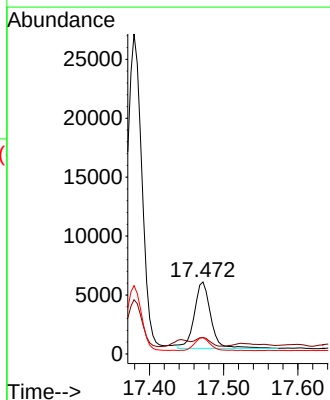
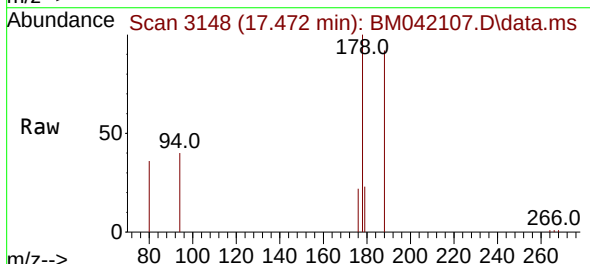
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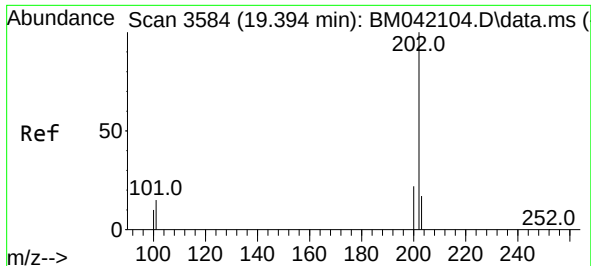
Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 10/03/2023



#16
Anthracene
Concen: 0.200 ng/ul
RT: 17.472 min Scan# 3148
Delta R.T. -0.017 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

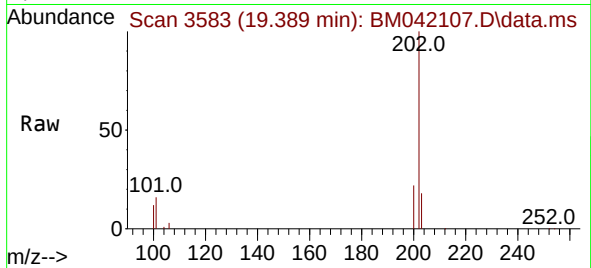
Tgt Ion:178 Resp: 8651
Ion Ratio Lower Upper
178 100
179 22.9 12.9 19.3#
176 22.5 16.2 24.2





#19
Fluoranthene
Concen: 1.279 ng/ul
RT: 19.389 min Scan# 3584
Delta R.T. -0.014 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

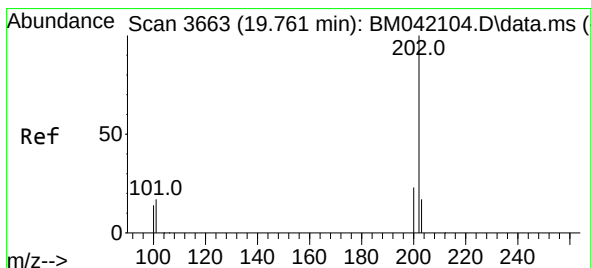
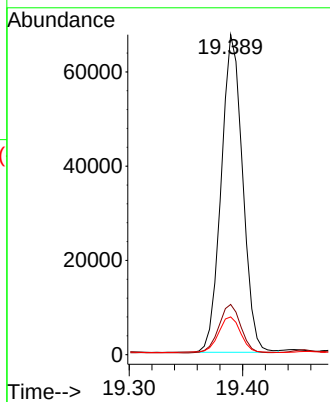
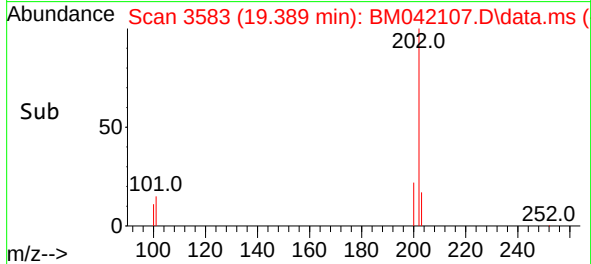
Instrument :
BNA_M
ClientSampleId :
EZYF4



Tgt Ion:202 Resp: 8844
Ion Ratio Lower Upper
202 100
101 15.7 11.8 17.6
100 11.8 9.1 13.7

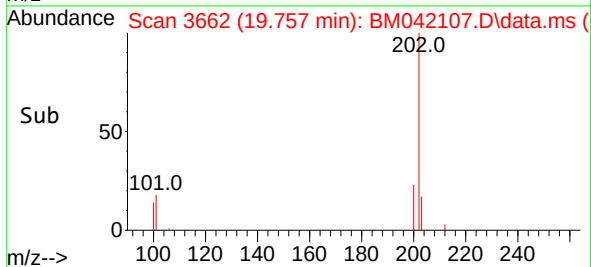
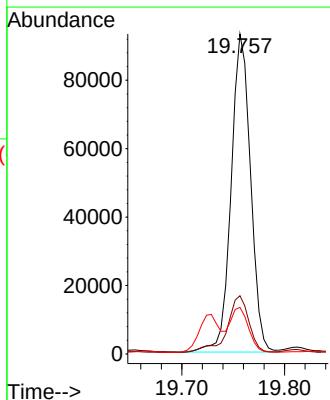
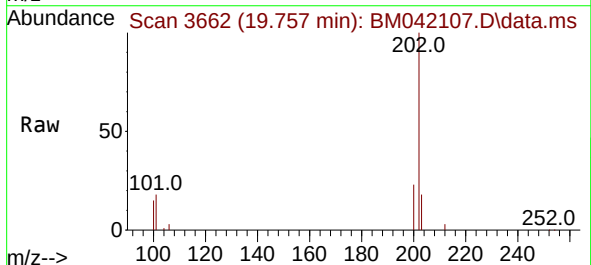
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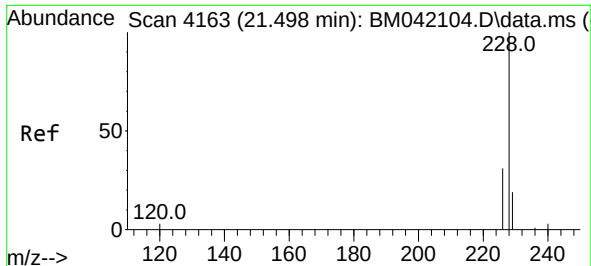
Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 10/03/2023



#20
Pyrene
Concen: 1.796 ng/ul
RT: 19.757 min Scan# 3662
Delta R.T. -0.014 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

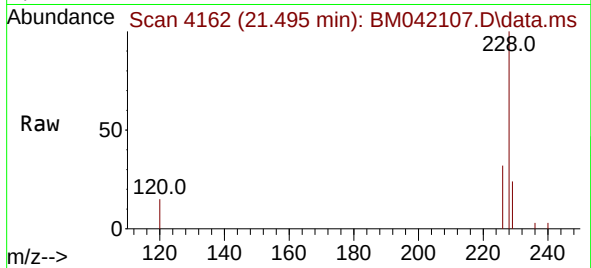
Tgt Ion:202 Resp: 122119
Ion Ratio Lower Upper
202 100
101 18.2 14.1 21.1
100 14.5 11.4 17.0





#21
Benzo(a)anthracene
Concen: 0.653 ng/ul
RT: 21.495 min Scan# 4163
Delta R.T. -0.012 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

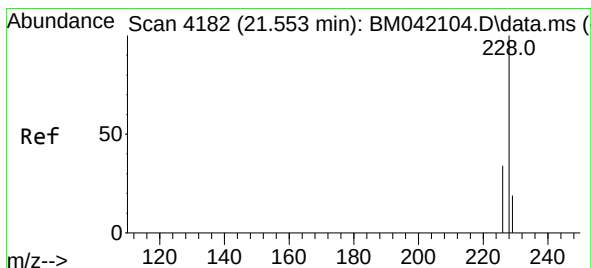
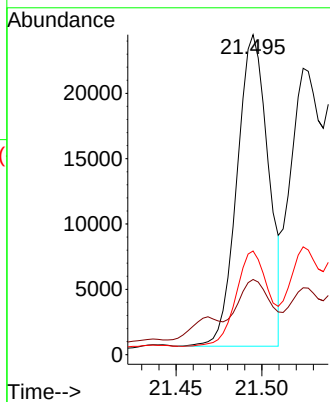
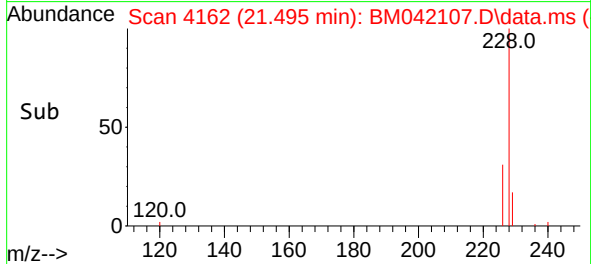
Instrument :
BNA_M
ClientSampleId :
EZYF4



Tgt Ion:228 Resp: 30294
Ion Ratio Lower Upper
228 100
229 23.5 15.5 23.3
226 32.4 24.8 37.2

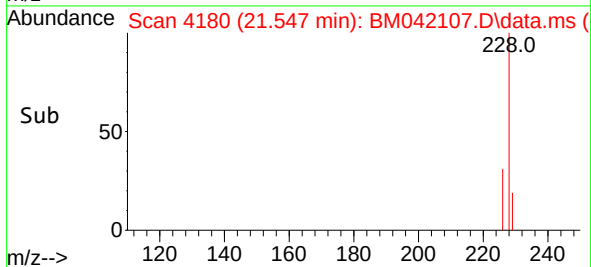
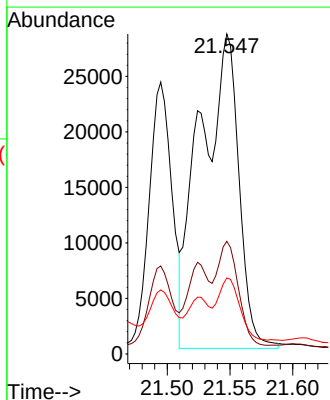
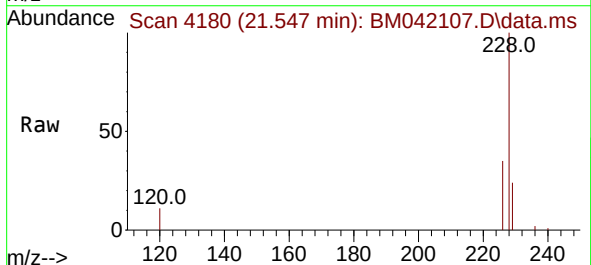
Manual Integrations
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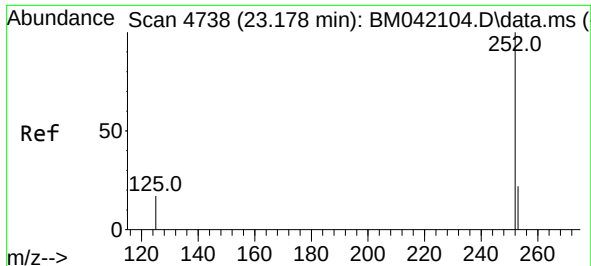
Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 10/03/2023



#22
Chrysene
Concen: 1.266 ng/ul m
RT: 21.547 min Scan# 4180
Delta R.T. -0.015 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

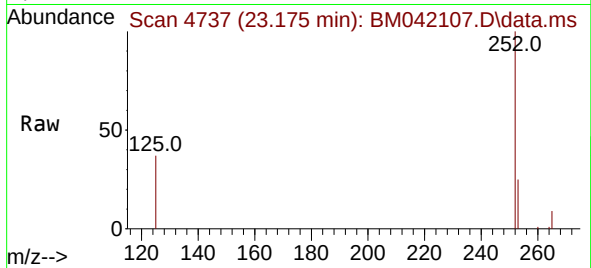
Tgt Ion:228 Resp: 60667
Ion Ratio Lower Upper
228 100
226 35.2 27.8 41.6
229 23.8 15.6 23.4





#24
Benzo(b)fluoranthene
Concen: 1.177 ng/ul
RT: 23.175 min Scan# 4737
Delta R.T. -0.015 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

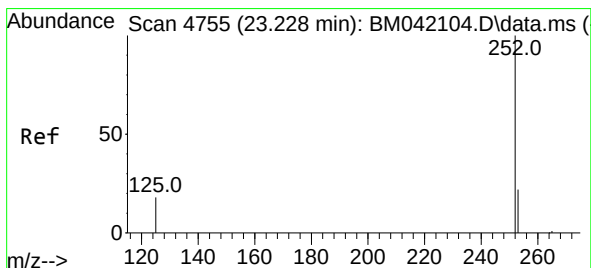
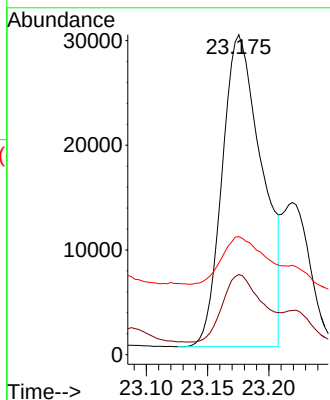
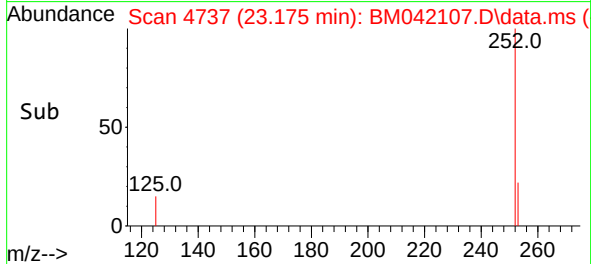
Instrument :
BNA_M
ClientSampleId :
EZYF4



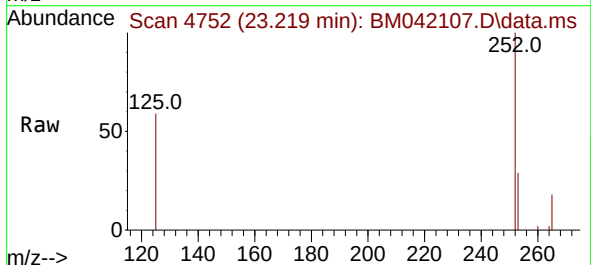
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Ion Ratio Lower Upper
252 100
253 25.1 0.0 54.4
125 36.9 0.0 46.2

Manual Integrations
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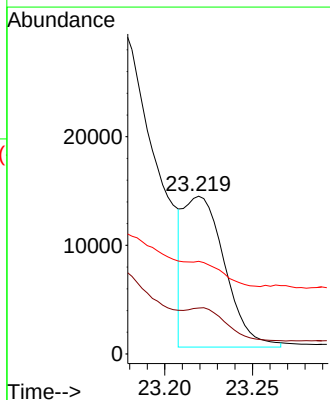
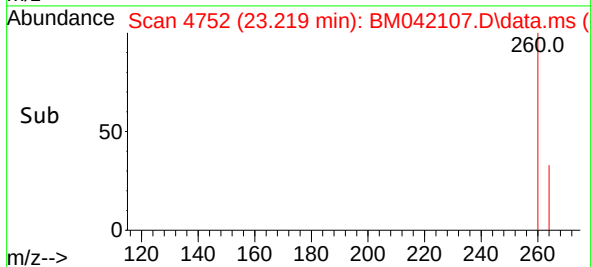
Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 10/03/2023

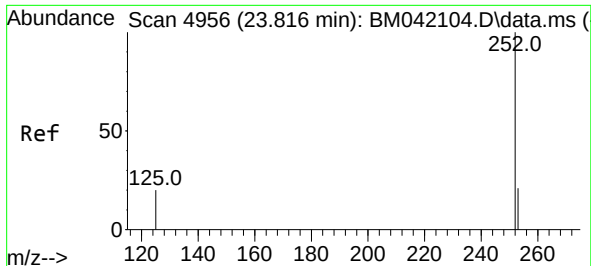


#25
Benzo(k)fluoranthene
Concen: 0.408 ng/ul m
RT: 23.219 min Scan# 4752
Delta R.T. -0.020 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35



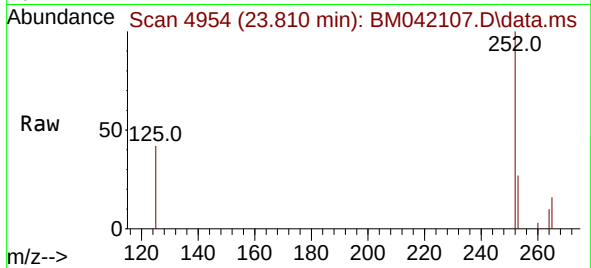
Tgt Ion:252 Resp: 22705
Ion Ratio Lower Upper
252 100
253 29.1 21.0 31.6
125 58.7 19.0 28.6#





#26
Benzo(a)pyrene
Concen: 0.751 ng/ul
RT: 23.810 min Scan# 4956
Delta R.T. -0.018 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

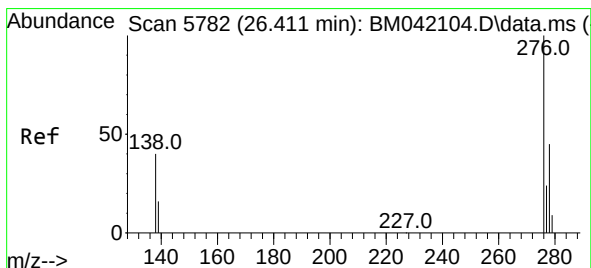
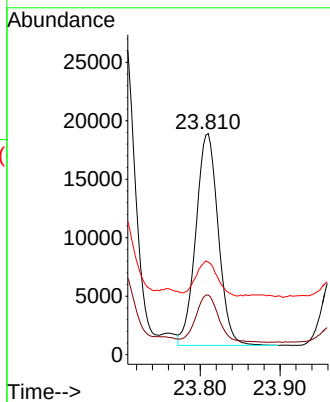
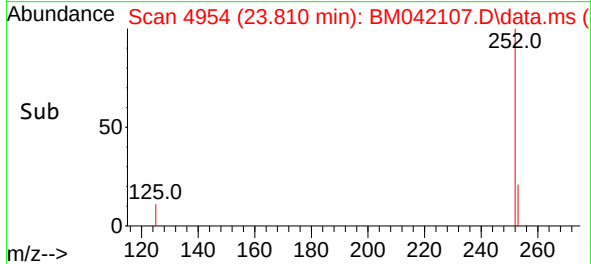
Instrument :
BNA_M
ClientSampleId :
EZYF4



Tgt Ion:252 Resp: 3535
Ion Ratio Lower Upper
252 100
253 27.0 23.2 34.8
125 41.8 22.5 33.7

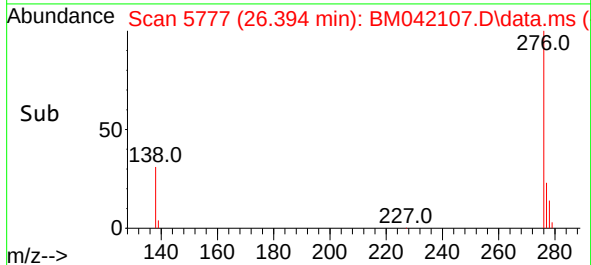
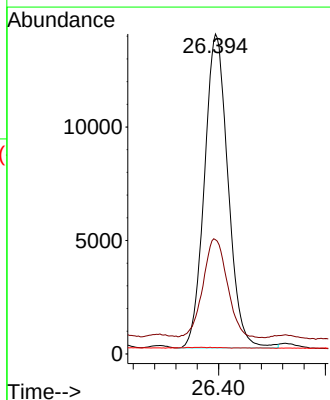
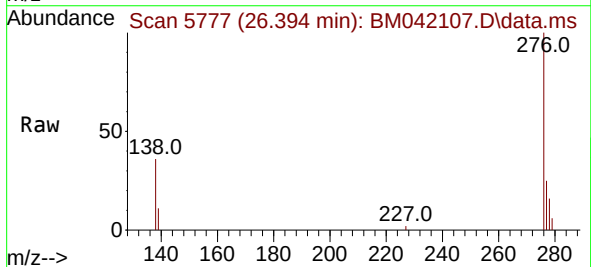
Manual Integrations
APPROVED

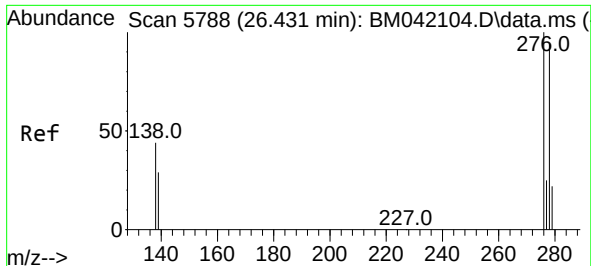
Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 10/03/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.656 ng/ul
RT: 26.394 min Scan# 5777
Delta R.T. -0.037 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

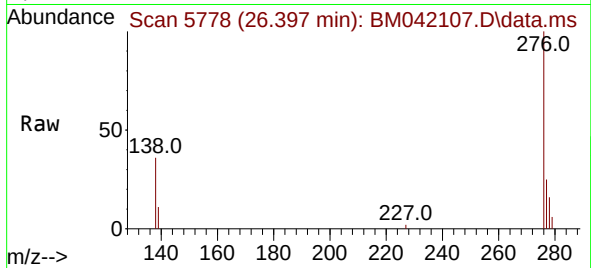
Tgt Ion:276 Resp: 42385
Ion Ratio Lower Upper
276 100
138 33.0 32.1 48.1
227 0.0 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.188 ng/ul
RT: 26.397 min Scan# 51
Delta R.T. -0.054 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

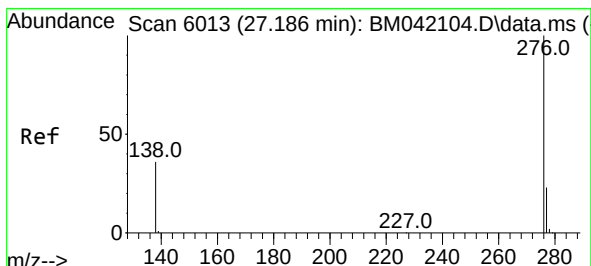
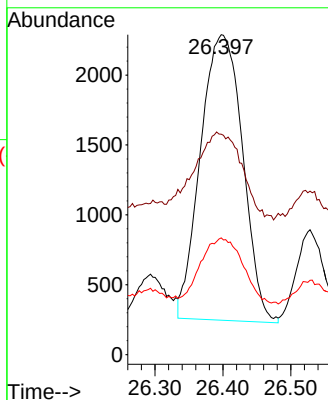
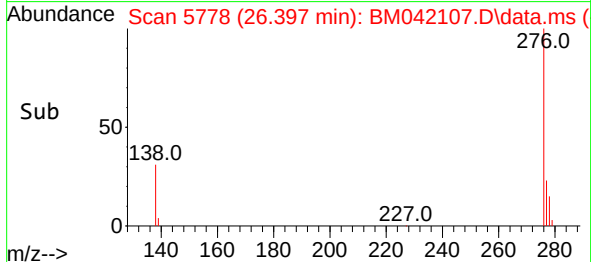
Instrument :
BNA_M
ClientSampleId :
EZYF4



Tgt Ion:278 Resp: 8794
Ion Ratio Lower Upper
278 100
139 68.9 25.0 37.6
279 36.5 21.7 32.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 10/03/2023



#29
Benzo(g,h,i)perylene
Concen: 0.716 ng/ul
RT: 27.172 min Scan# 6009
Delta R.T. -0.037 min
Lab File: BM042107.D
Acq: 28 Sep 2023 10:35

Tgt Ion:276 Resp: 38935
Ion Ratio Lower Upper
276 100
138 38.2 29.0 43.4
277 24.6 19.6 29.4

