

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
 Data File : BM041862.D
 Acq On : 14 Sep 2023 11:56
 Operator : MA/JU
 Sample : 04175-08
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EZYK2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 15 00:28:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM091323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 13 16:15:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.980	152	7211	0.400	ng/ul	0.00
4) Naphthalene-d8	10.797	136	19519	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.625	164	10244	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.380	188	18373	0.400	ng/ul	# 0.01
17) Chrysene-d12	21.557	240	11180	0.400	ng/ul	# 0.02
23) Perylene-d12	24.001	264	9032	0.400	ng/ul	# 0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	42183	4.599	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.375	152	10551	0.398	ng/ul	0.00
18) Fluoranthene-d10	19.405	212	13260	0.346	ng/ul	0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.847	128	9478	0.144	ng/ul	96
7) 2-Methylnaphthalene	12.452	142	19788	0.501	ng/ul	99
8) 1-Methylnaphthalene	12.672	142	6967	0.173	ng/ul	99
10) Acenaphthylene	14.357	152	9538	0.148	ng/ul#	57
11) Acenaphthene	14.695	153	3143	0.064	ng/ul#	52
15) Phenanthrene	17.422	178	35561	0.443	ng/ul#	79
16) Anthracene	17.515	178	21095	0.302	ng/ul#	66
19) Fluoranthene	19.432	202	70042	0.809	ng/ul	95
20) Pyrene	19.804	202	162170	1.789	ng/ul	99
21) Benzo(a)anthracene	21.540	228	29930	0.406	ng/ul#	44
22) Chrysene	21.595	228	105076m	1.392	ng/ul	
24) Benzo(b)fluoranthene	23.247	252	92580	1.441	ng/ul#	1
25) Benzo(k)fluoranthene	23.291	252	21925m	0.370	ng/ul	
26) Benzo(a)pyrene	23.890	252	56825	1.160	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.530	276	70281	0.933	ng/ul#	78
29) Benzo(g,h,i)perylene	27.325	276	104650	1.641	ng/ul#	77

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

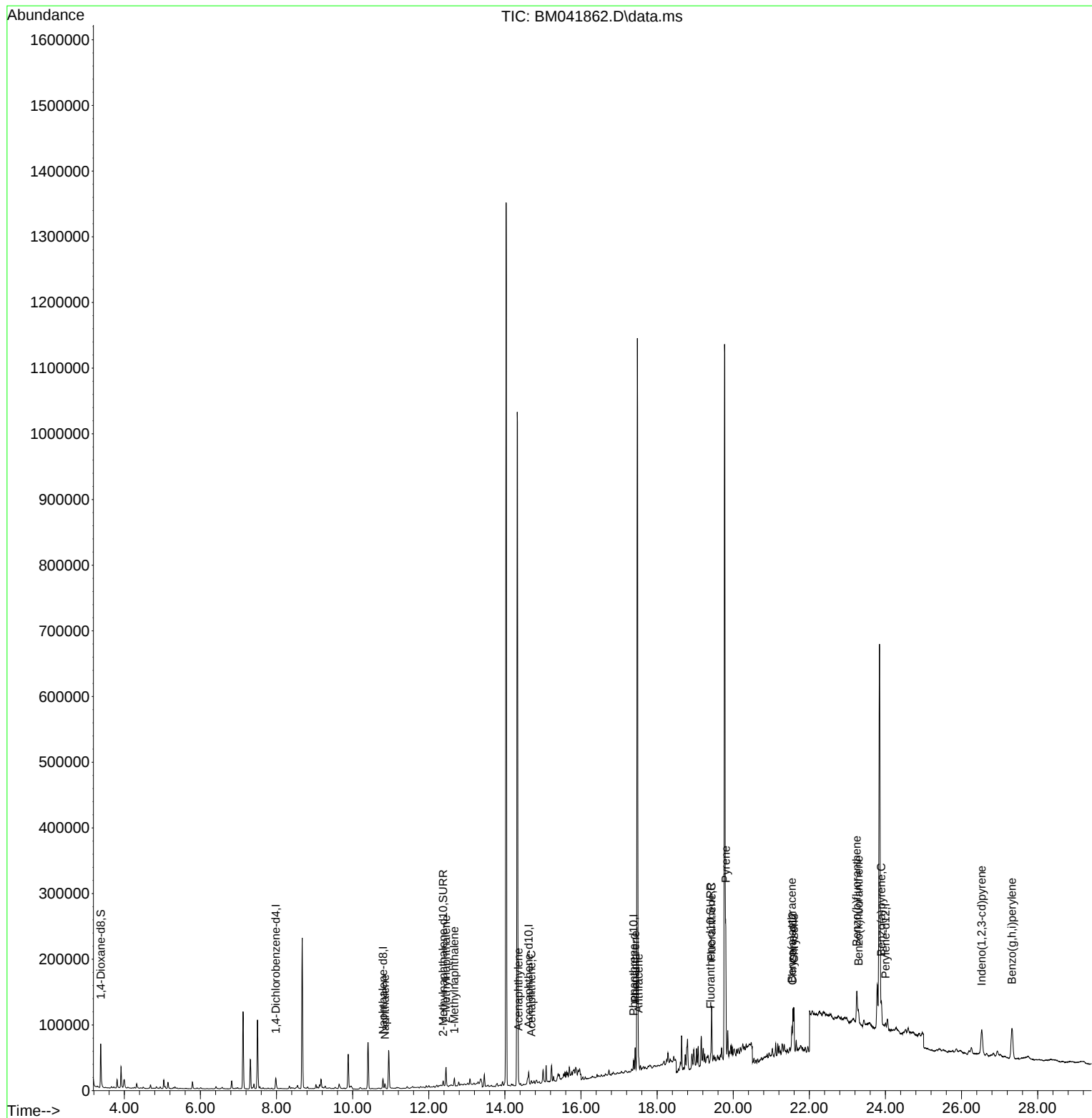
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091323\
Data File : BM041862.D
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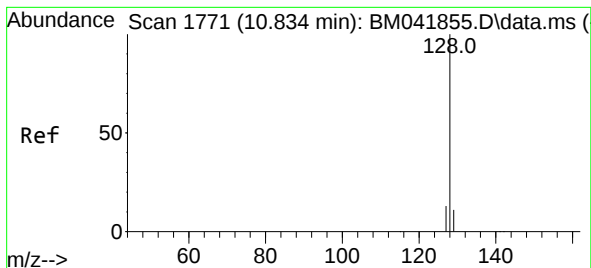
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QLast Update : Wed Sep 13 16:15:23 2023
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#5

Naphthalene

Concen: 0.144 ng/ul

RT: 10.847 min Scan# 1771

Delta R.T. 0.007 min

Lab File: BM041862.D

Acq: 14 Sep 2023 11:56

Instrument :

BNA_M

ClientSampleId :

EZYK2

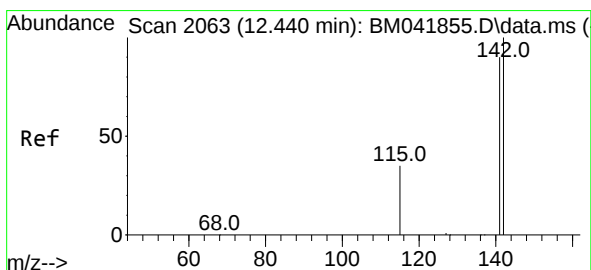
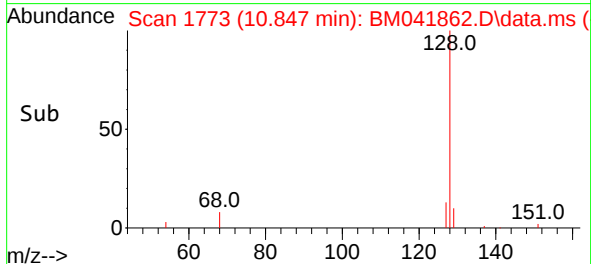
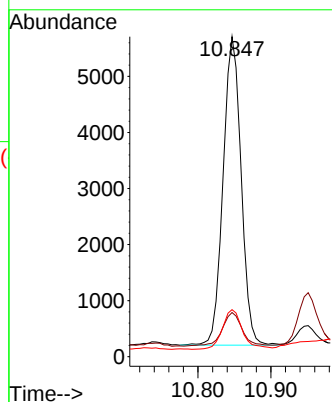
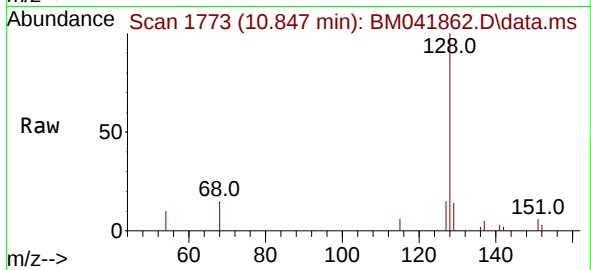
Tgt Ion:	128	Resp:	9478
Ion Ratio	Lower	Upper	
128	100		
129	13.8	9.5	14.3
127	14.7	10.7	16.1

Manual Integrations

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#7

2-Methylnaphthalene

Concen: 0.501 ng/ul

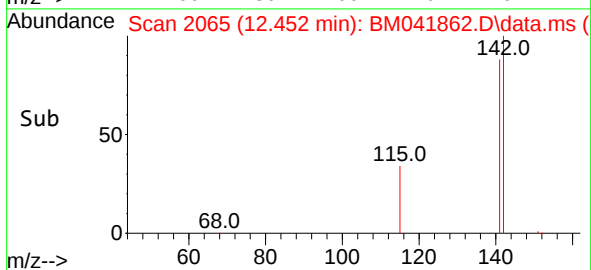
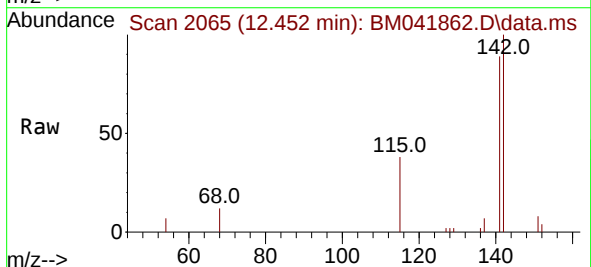
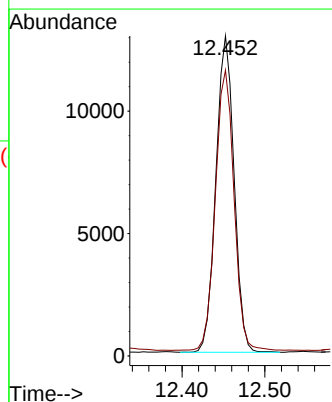
RT: 12.452 min Scan# 2065

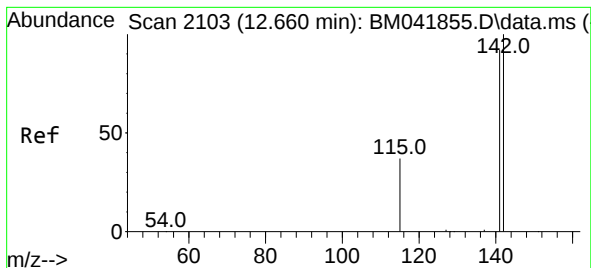
Delta R.T. 0.007 min

Lab File: BM041862.D

Acq: 14 Sep 2023 11:56

Tgt Ion:	142	Resp:	19788
Ion Ratio	Lower	Upper	
142	100		
141	90.8	72.1	108.1





#8

1-Methylnaphthalene

Concen: 0.173 ng/ul

RT: 12.672 min Scan# 2105

Delta R.T. 0.007 min

Lab File: BM041862.D

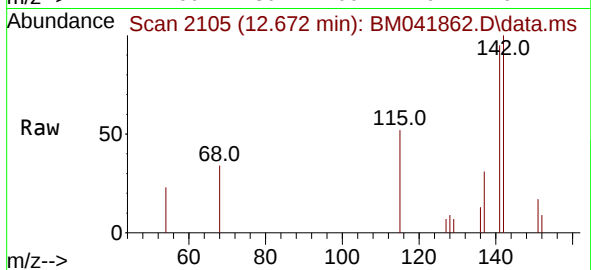
Acq: 14 Sep 2023 11:56

Instrument :

BNA_M

ClientSampleId :

EZYK2



Tgt Ion:142 Resp: 696

Ion Ratio Lower Upper

142 100

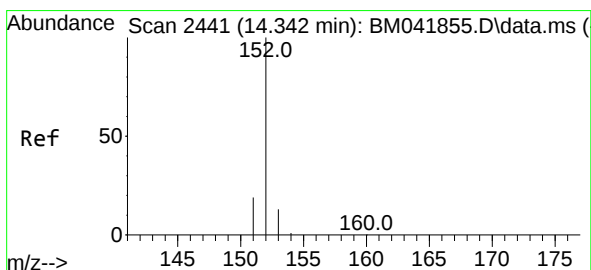
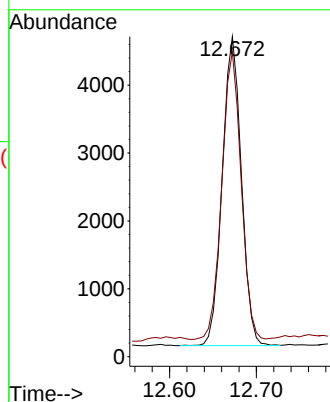
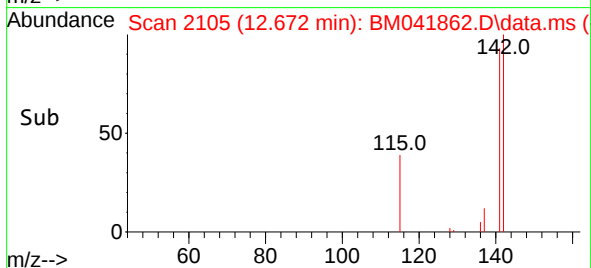
141 93.5 74.3 111.5

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#10

Acenaphthylene

Concen: 0.148 ng/ul

RT: 14.357 min Scan# 2444

Delta R.T. 0.015 min

Lab File: BM041862.D

Acq: 14 Sep 2023 11:56

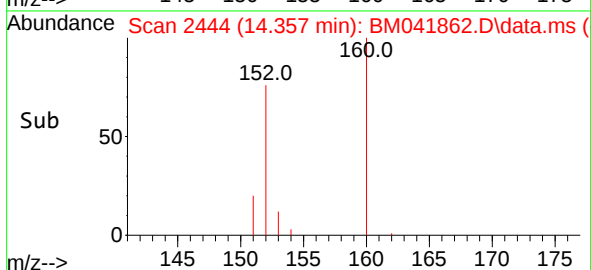
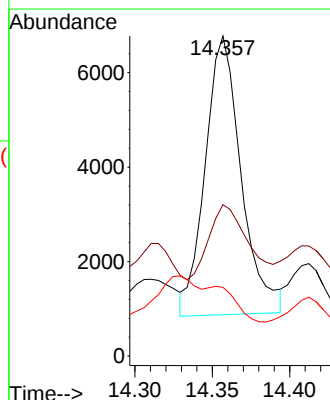
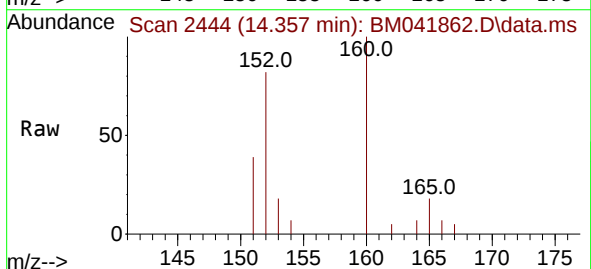
Tgt Ion:152 Resp: 9538

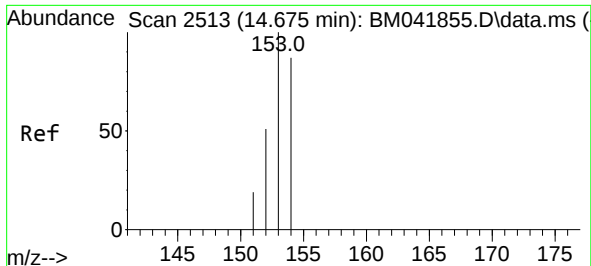
Ion Ratio Lower Upper

152 100

151 47.3 16.3 24.5#

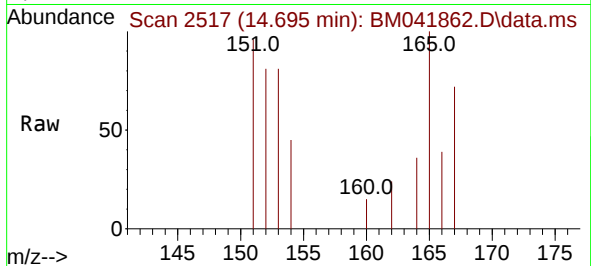
153 21.5 10.9 16.3#





#11
Acenaphthene
Concen: 0.064 ng/u1
RT: 14.695 min Scan# 214
Delta R.T. 0.015 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56

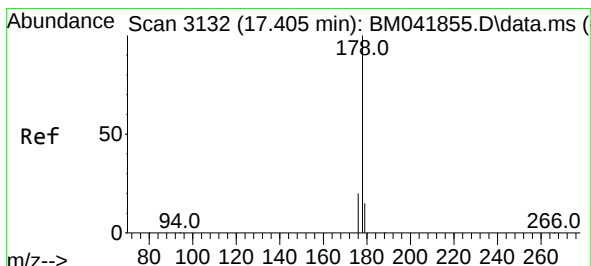
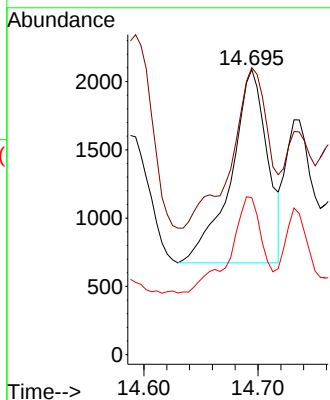
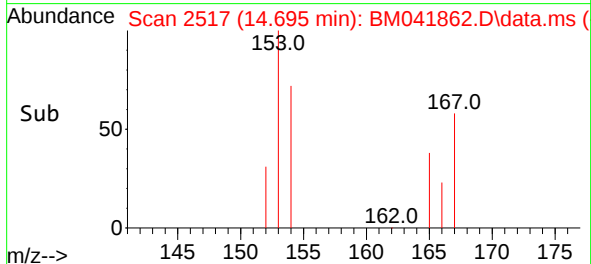
Instrument :
BNA_M
ClientSampleId :
EZYK2



Tgt Ion:153 Resp: 314
Ion Ratio Lower Upper
153 100
152 100.7 41.5 62.3
154 55.1 70.7 106.1

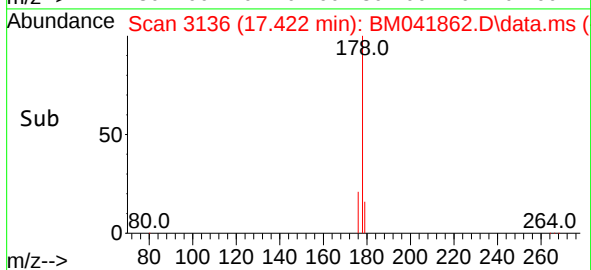
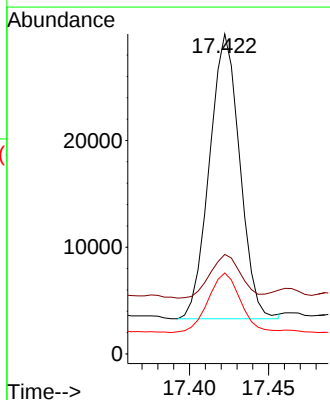
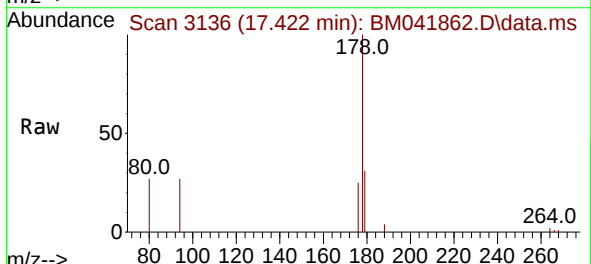
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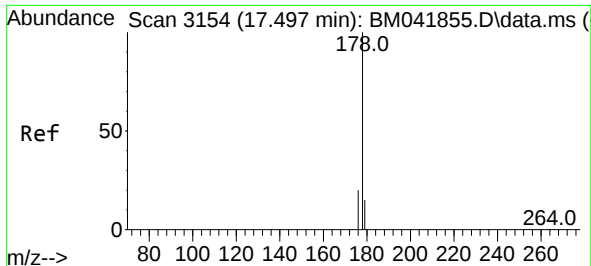
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#15
Phenanthrene
Concen: 0.443 ng/u1
RT: 17.422 min Scan# 3136
Delta R.T. 0.013 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56

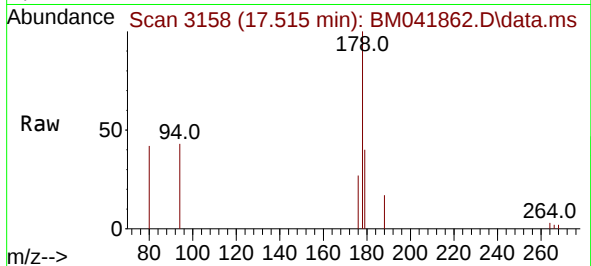
Tgt Ion:178 Resp: 35561
Ion Ratio Lower Upper
178 100
179 31.1 12.6 19.0#
176 25.3 16.6 25.0#





#16
 Anthracene
 Concen: 0.302 ng/u1
 RT: 17.515 min Scan# 3158
 Delta R.T. 0.013 min
 Lab File: BM041862.D
 Acq: 14 Sep 2023 11:56

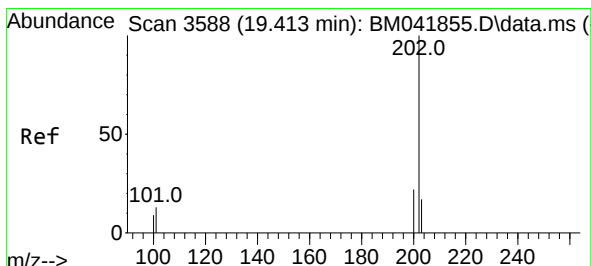
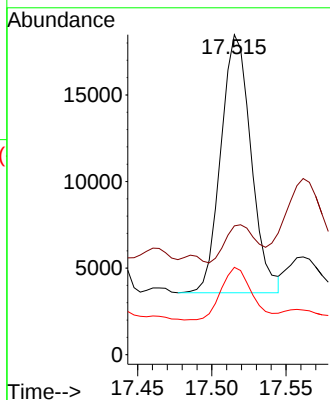
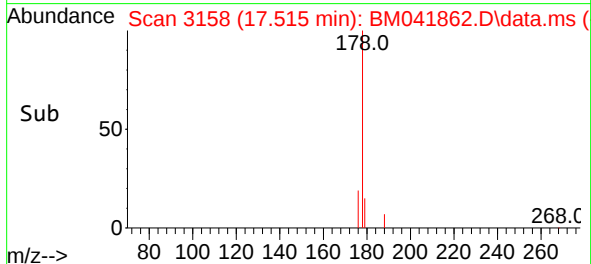
Instrument :
 BNA_M
 ClientSampleId :
 EZYK2



Tgt Ion:178 Resp: 2109
 Ion Ratio Lower Upper
 178 100
 179 40.2 12.7 19.1
 176 27.3 16.1 24.1

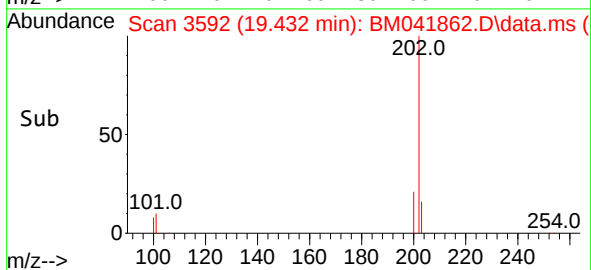
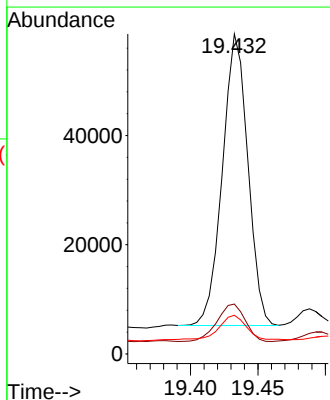
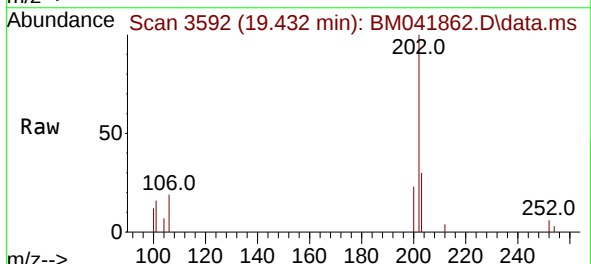
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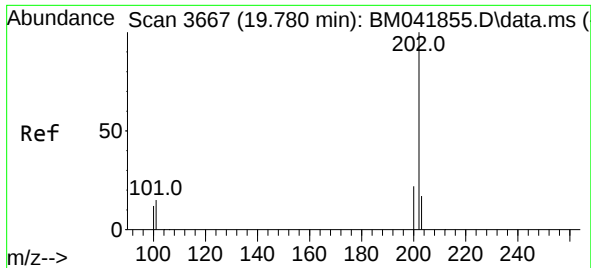
Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :mohammad ahmed 09/15/2023



#19
 Fluoranthene
 Concen: 0.809 ng/u1
 RT: 19.432 min Scan# 3592
 Delta R.T. 0.015 min
 Lab File: BM041862.D
 Acq: 14 Sep 2023 11:56

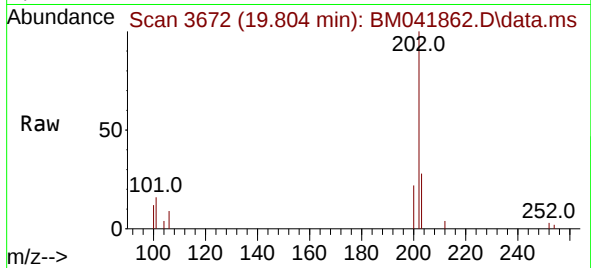
Tgt Ion:202 Resp: 70042
 Ion Ratio Lower Upper
 202 100
 101 15.6 11.0 16.6
 100 12.1 8.2 12.4





#20
Pyrene
Concen: 1.789 ng/u1
RT: 19.804 min Scan# 3672
Delta R.T. 0.020 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56

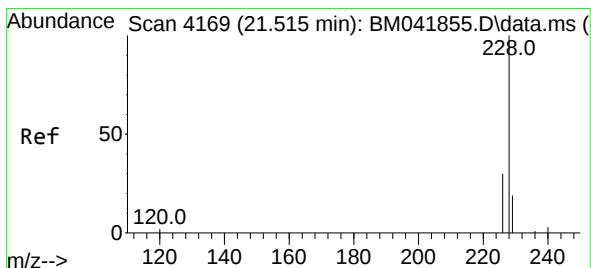
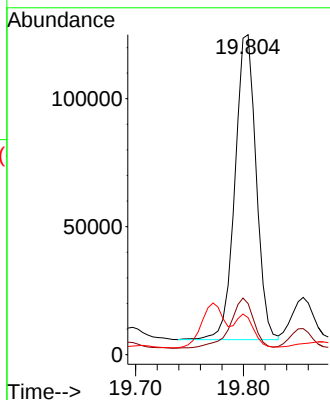
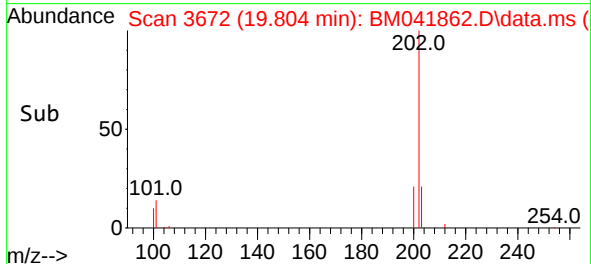
Instrument :
BNA_M
ClientSampleId :
EZYK2



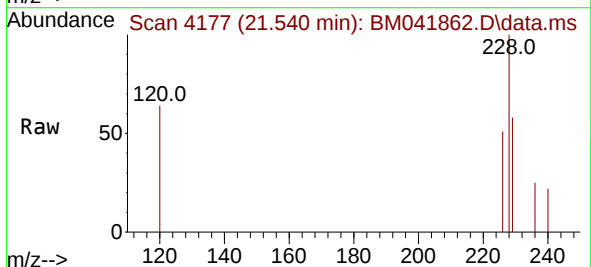
Tgt Ion:202 Resp: 162170
Ion Ratio Lower Upper
202 100
101 16.0 12.6 19.0
100 11.6 9.9 14.9

Manual Integrations
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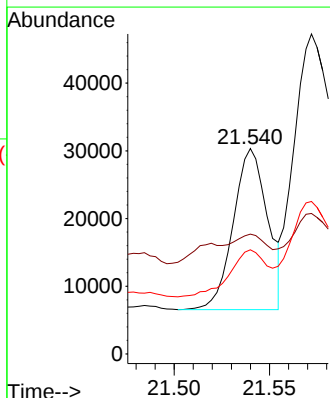
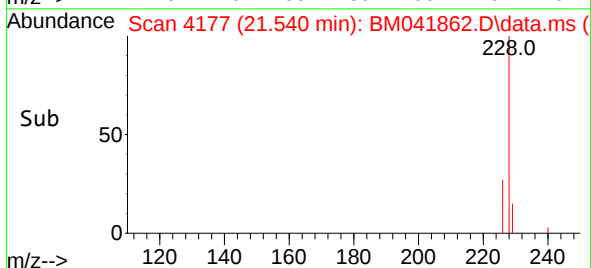
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

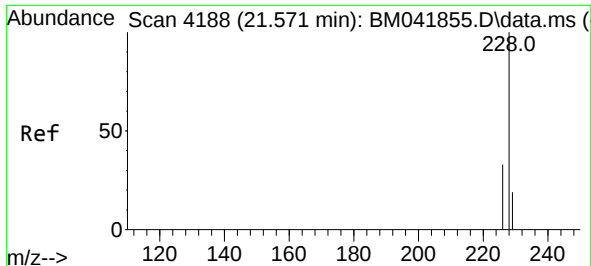


#21
Benzo(a)anthracene
Concen: 0.406 ng/u1
RT: 21.540 min Scan# 4177
Delta R.T. 0.019 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56



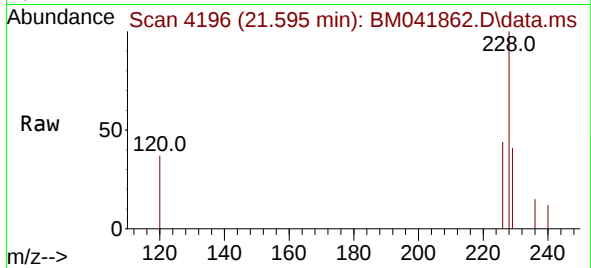
Tgt Ion:228 Resp: 29930
Ion Ratio Lower Upper
228 100
229 58.4 15.8 23.8#
226 50.7 24.3 36.5#





#22
Chrysene
Concen: 1.392 ng/ul m
RT: 21.595 min Scan# 4188
Delta R.T. 0.019 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56

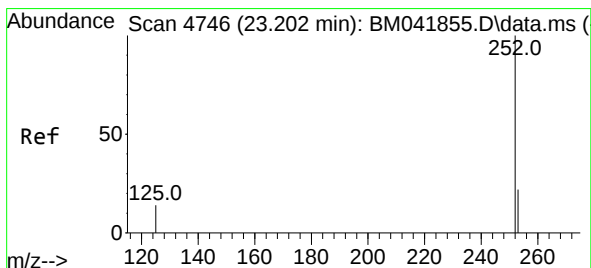
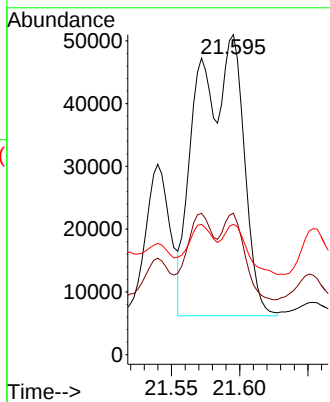
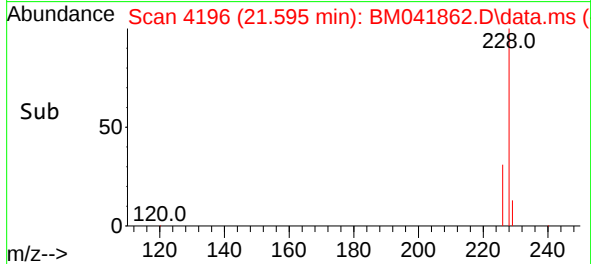
Instrument :
BNA_M
ClientSampleId :
EZYK2



Tgt Ion:228 Resp: 105070
Ion Ratio Lower Upper
228 100
226 44.2 27.0 40.4
229 40.7 15.7 23.5

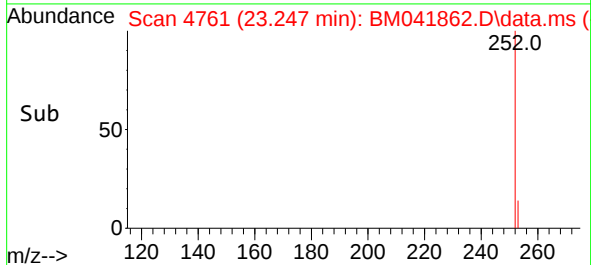
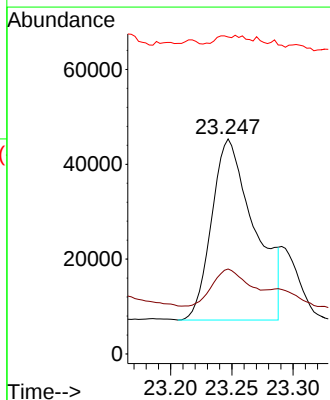
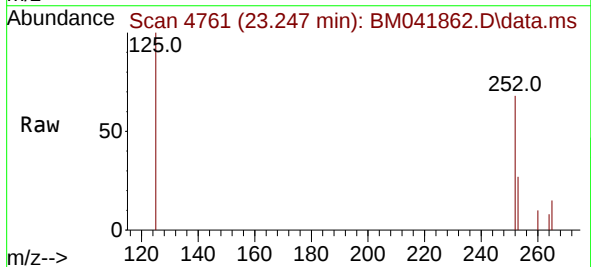
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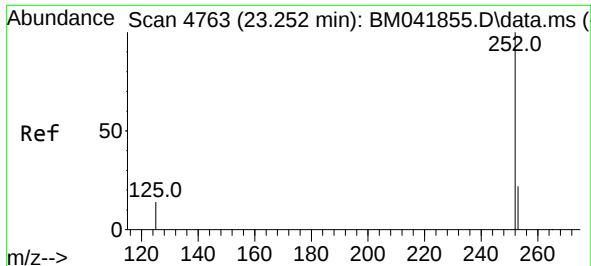
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#24
Benzo(b)fluoranthene
Concen: 1.441 ng/ul
RT: 23.247 min Scan# 4761
Delta R.T. 0.039 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56

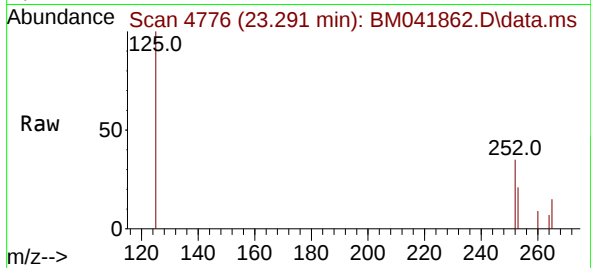
Tgt Ion:252 Resp: 92580
Ion Ratio Lower Upper
252 100
253 39.5 0.0 51.0
125 147.3 0.0 39.8





#25
Benzo(k)fluoranthene
Concen: 0.370 ng/ul m
RT: 23.291 min Scan# 4776
Delta R.T. 0.030 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56

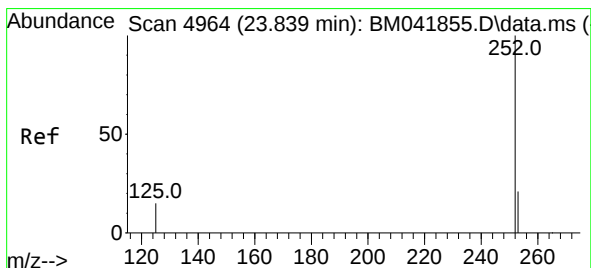
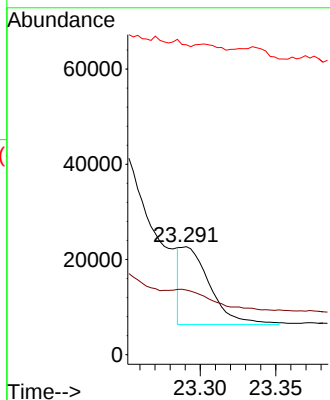
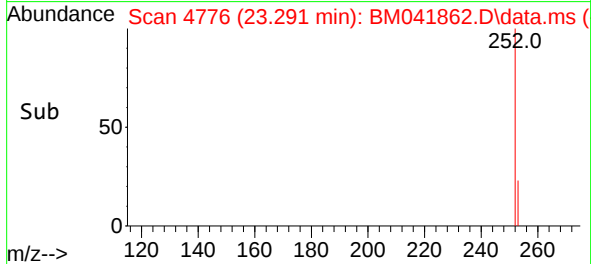
Instrument :
BNA_M
ClientSampleId :
EZYK2



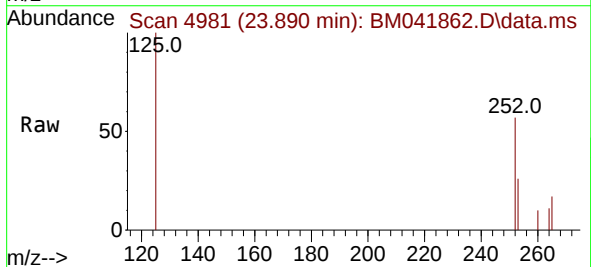
Tgt Ion:252 Resp: 21925
Ion Ratio Lower Upper
252 100
253 59.9 20.2 30.2
125 287.2 15.8 23.8

Manual Integrations
APPROVED

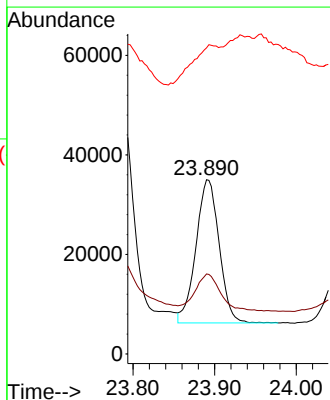
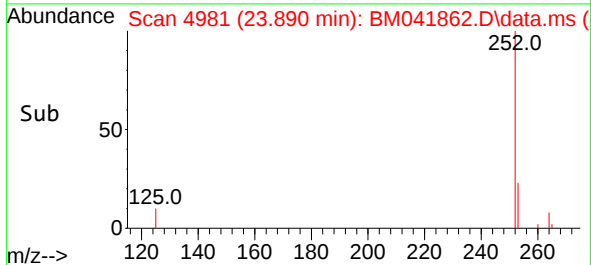
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

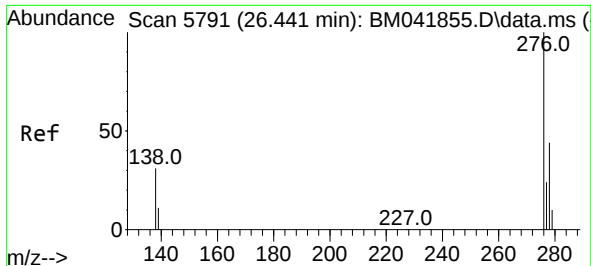


#26
Benzo(a)pyrene
Concen: 1.160 ng/ul
RT: 23.890 min Scan# 4981
Delta R.T. 0.045 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56



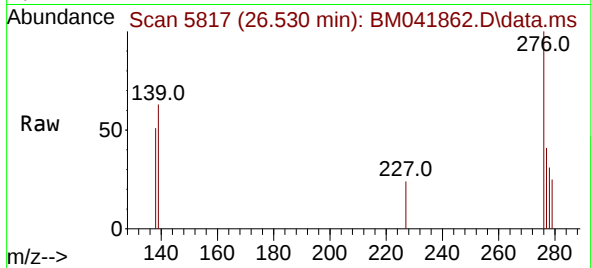
Tgt Ion:252 Resp: 56825
Ion Ratio Lower Upper
252 100
253 45.9 21.8 32.8#
125 175.7 18.8 28.2#





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.933 ng/ul
RT: 26.530 min Scan# 5817
Delta R.T. 0.075 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56

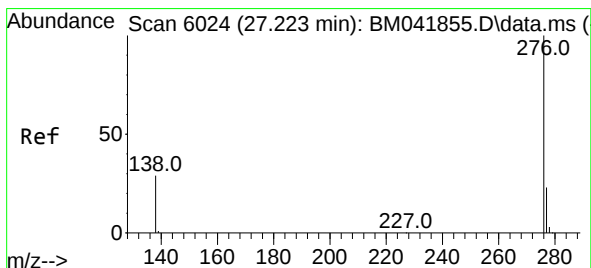
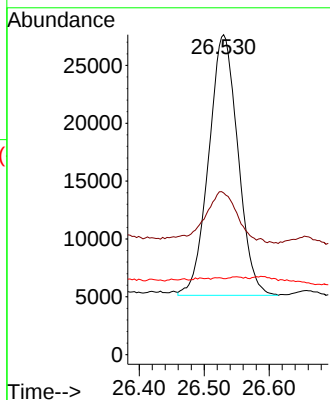
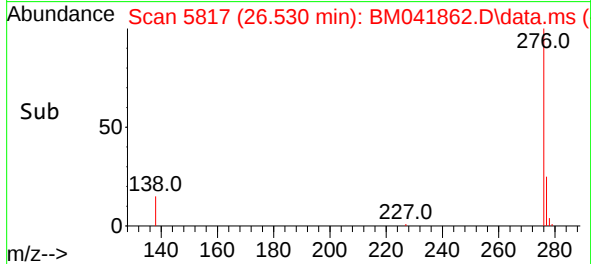
Instrument :
BNA_M
ClientSampleId :
EZYK2



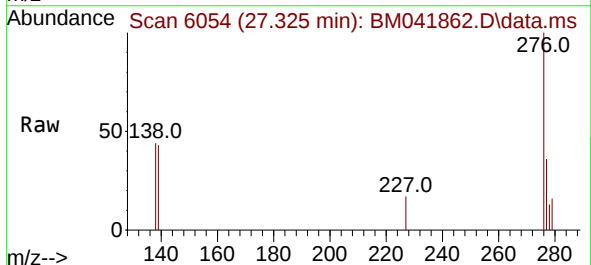
Tgt Ion:276 Resp: 7028
Ion Ratio Lower Upper
276 100
138 21.9 27.7 41.5
227 0.0 0.1 0.1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#29
Benzo(g,h,i)perylene
Concen: 1.641 ng/ul
RT: 27.325 min Scan# 6054
Delta R.T. 0.089 min
Lab File: BM041862.D
Acq: 14 Sep 2023 11:56



Tgt Ion:276 Resp: 104650
Ion Ratio Lower Upper
276 100
138 43.5 24.7 37.1#
277 35.5 19.3 28.9#

