

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043114.D
 Acq On : 01 Dec 2023 09:22
 Operator : MA/JU
 Sample : 05459-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023

Quant Time: Dec 01 23:18:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.800	152	1017m	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.600	136	2675	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.445	164	1546m	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.203	188	3325m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.394	240	2858m	0.400	ng/ul	-0.02
23) Perylene-d12	23.739	264	3260m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.155	96	4766	3.054	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.200	152	1319	0.369	ng/ul	-0.03
18) Fluoranthene-d10	19.229	212	3844	0.369	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.649	128	4611	0.634	ng/ul#	86
7) 2-Methylnaphthalene	12.272	142	2848	0.664	ng/ul	96
8) 1-Methylnaphthalene	12.492	142	1963	0.411	ng/ul	96
10) Acenaphthylene	14.172	152	3776	0.479	ng/ul	95
11) Acenaphthene	14.510	153	671	0.112	ng/ul	98
12) Fluorene	15.500	166	945	0.154	ng/ul#	97
15) Phenanthrene	17.241	178	33104m	3.489	ng/ul	
16) Anthracene	17.334	178	7525	0.837	ng/ul	93
19) Fluoranthene	19.261	202	71462	4.410	ng/ul#	91
20) Pyrene	19.628	202	62588	3.632	ng/ul#	92
21) Benzo(a)anthracene	21.377	228	34672m	3.739	ng/ul	
22) Chrysene	21.430	228	25692	1.488	ng/ul	97
24) Benzo(b)fluoranthene	23.016	252	41554	3.777	ng/ul	81
25) Benzo(k)fluoranthene	23.060	252	16994m	1.122	ng/ul	
26) Benzo(a)pyrene	23.628	252	30748	2.561	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	26.175	276	24941	1.535	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.185	278	5603m	0.446	ng/ul	
29) Benzo(g,h,i)perylene	26.936	276	22591	1.429	ng/ul#	90

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

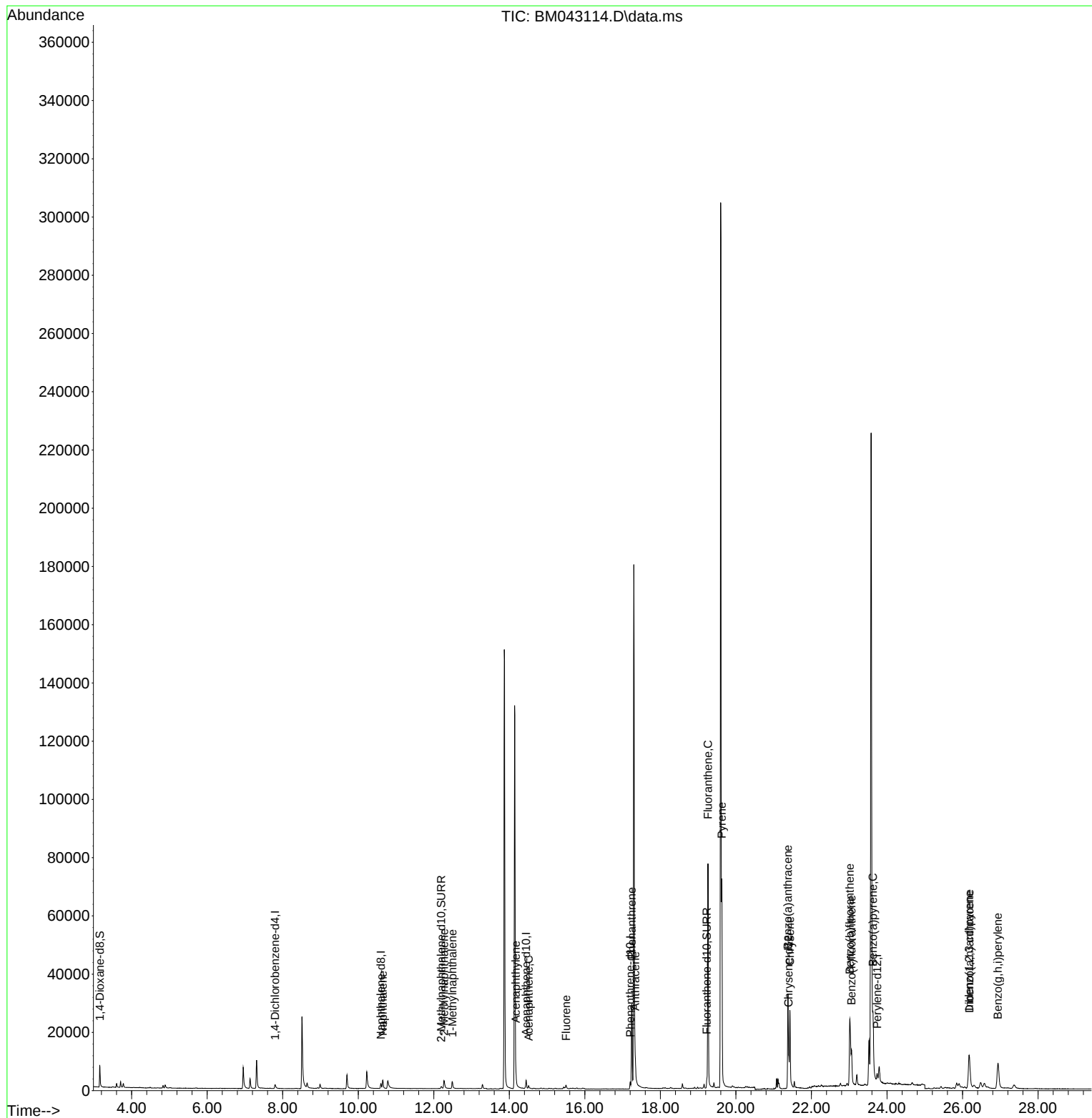
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043114.D
Acq On : 01 Dec 2023 09:22
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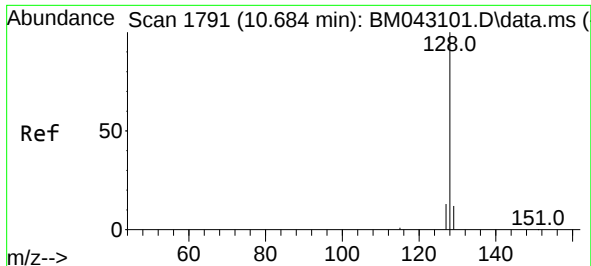
Instrument :
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C0AA7

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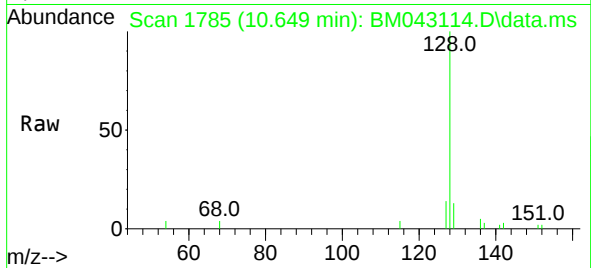
Quant Time: Dec 01 23:18:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:42:42 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.634 ng/ul
RT: 10.649 min Scan# 1785
Delta R.T. -0.040 min
Lab File: BM043114.D
Acq: 01 Dec 2023 09:22

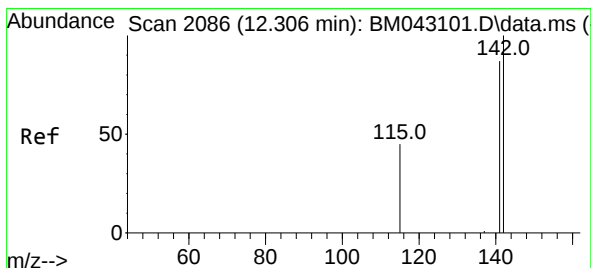
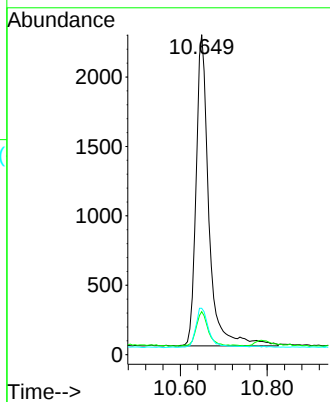
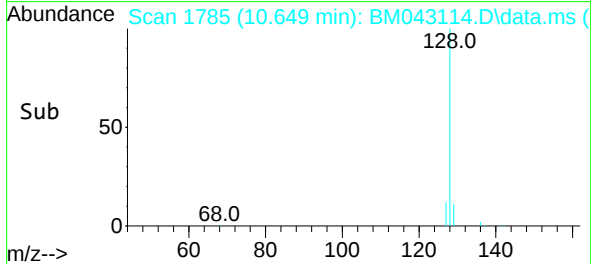
Instrument :
BNA_M
ClientSampleId :
C0AA7



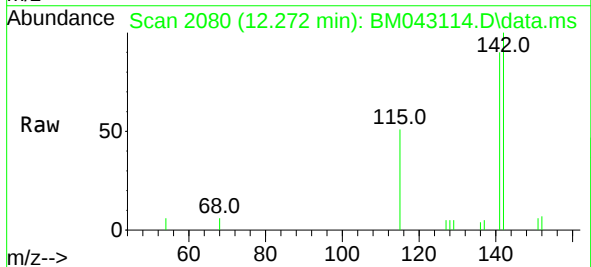
Tgt Ion:128 Resp: 461
Ion Ratio Lower Upper
128 100
129 13.4 16.0 24.0
127 14.5 16.5 24.7

Manual Integrations
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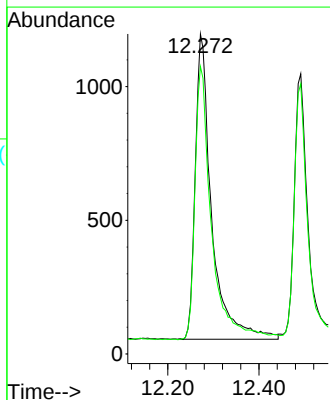
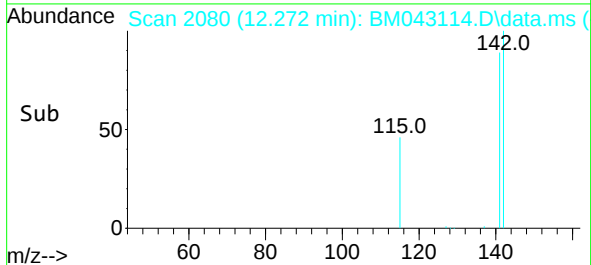
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

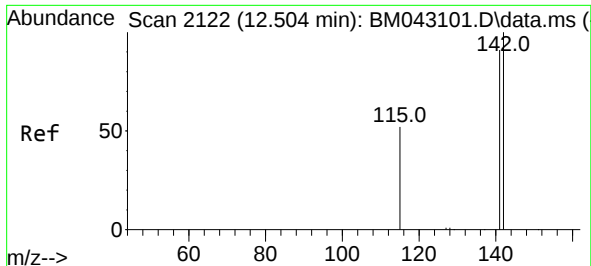


#7
2-Methylnaphthalene
Concen: 0.664 ng/ul
RT: 12.272 min Scan# 2080
Delta R.T. -0.040 min
Lab File: BM043114.D
Acq: 01 Dec 2023 09:22



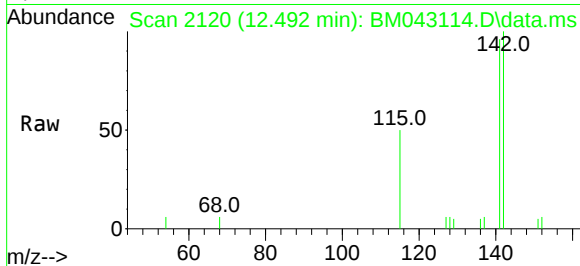
Tgt Ion:142 Resp: 2848
Ion Ratio Lower Upper
142 100
141 91.2 76.1 114.1





#8
1-Methylnaphthalene
Concen: 0.411 ng/ul
RT: 12.492 min Scan# 2122
Delta R.T. -0.018 min
Lab File: BM043114.D
Acq: 01 Dec 2023 09:22

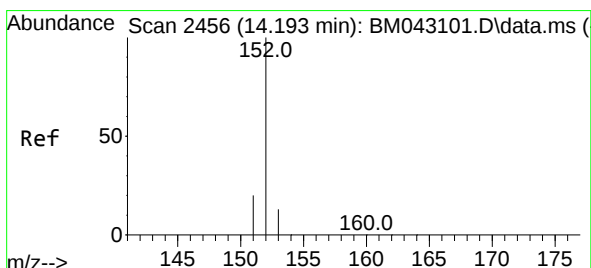
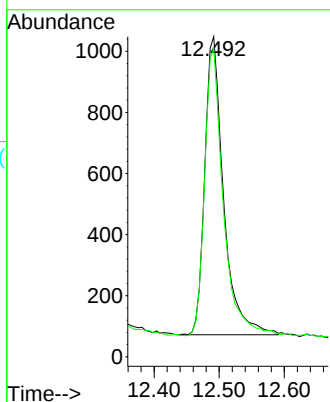
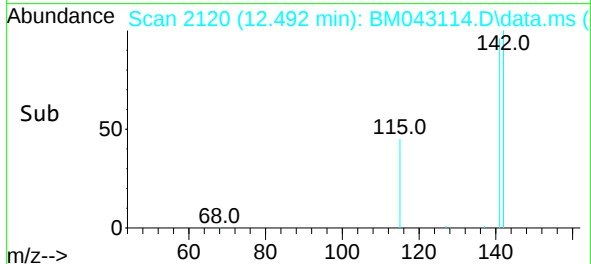
Instrument :
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Tgt Ion:142 Resp: 1963
Ion Ratio Lower Upper
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141 95.7 73.8 110.8

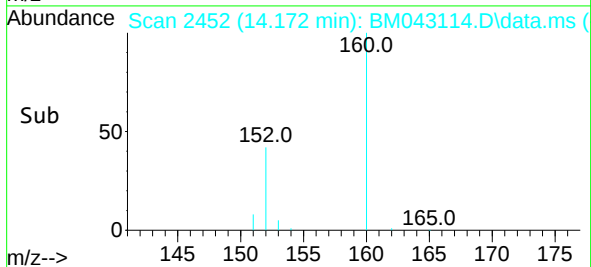
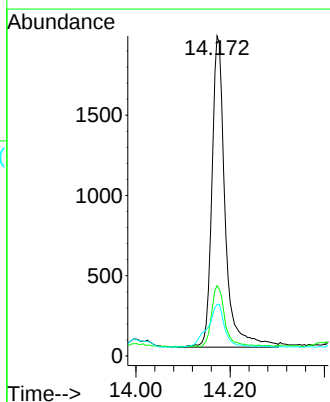
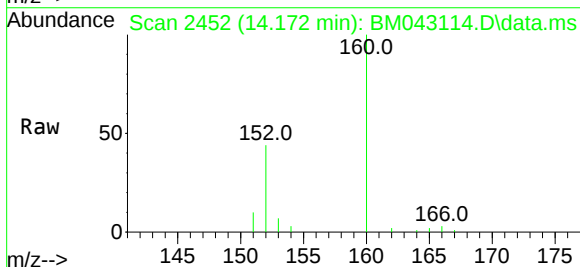
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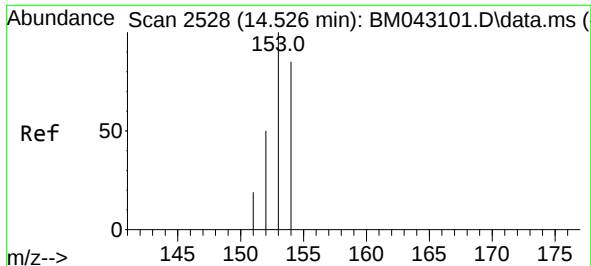
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#10
Acenaphthylene
Concen: 0.479 ng/ul
RT: 14.172 min Scan# 2452
Delta R.T. -0.024 min
Lab File: BM043114.D
Acq: 01 Dec 2023 09:22

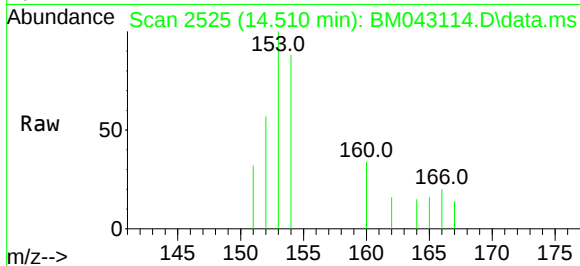
Tgt Ion:152 Resp: 3776
Ion Ratio Lower Upper
152 100
151 22.0 19.4 29.0
153 16.1 14.6 21.8





#11
Acenaphthene
Concen: 0.112 ng/ul
RT: 14.510 min Scan# 21
Delta R.T. -0.015 min
Lab File: BM043114.D
Acq: 01 Dec 2023 09:22

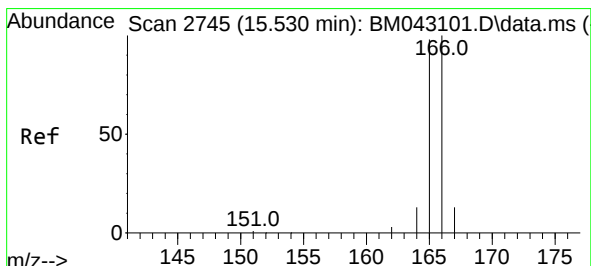
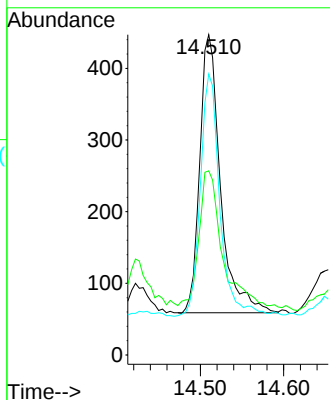
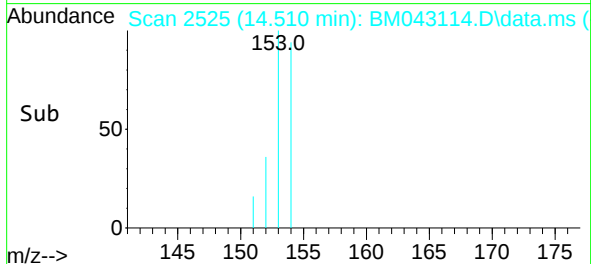
Instrument :
BNA_M
ClientSampleId :
C0AA7



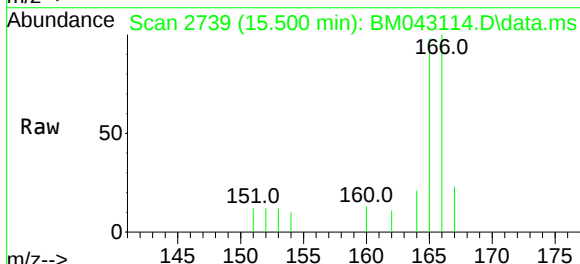
Tgt Ion:153 Resp: 67
Ion Ratio Lower Upper
153 100
152 57.5 43.9 65.9
154 87.7 70.6 105.8

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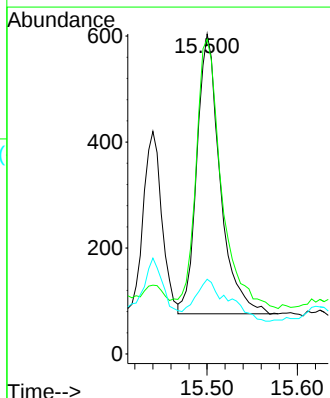
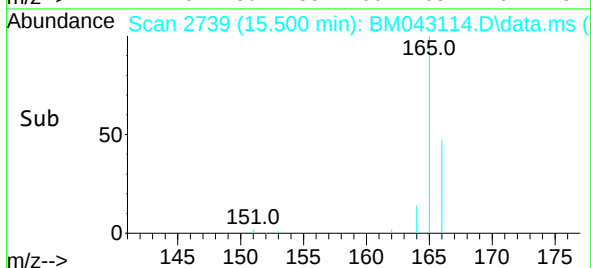
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

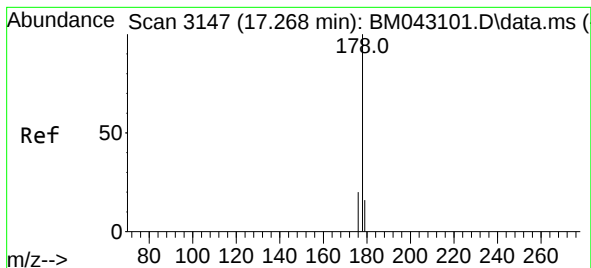


#12
Fluorene
Concen: 0.154 ng/ul
RT: 15.500 min Scan# 2739
Delta R.T. -0.034 min
Lab File: BM043114.D
Acq: 01 Dec 2023 09:22



Tgt Ion:166 Resp: 945
Ion Ratio Lower Upper
166 100
165 98.3 79.9 119.9
167 23.3 14.2 21.4#





#15

Phenanthrene

Concen: 3.489 ng/ul m

RT: 17.241 min Scan# 3141

Delta R.T. -0.031 min

Lab File: BM043114.D

Acq: 01 Dec 2023 09:22

Instrument :

BNA_M

ClientSampleId :

C0AA7

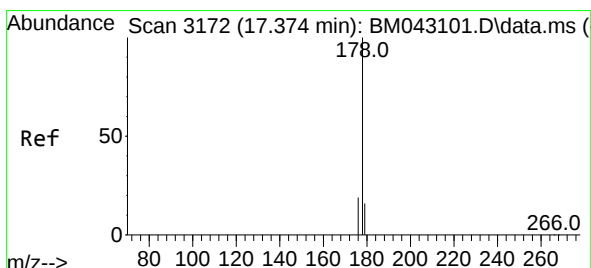
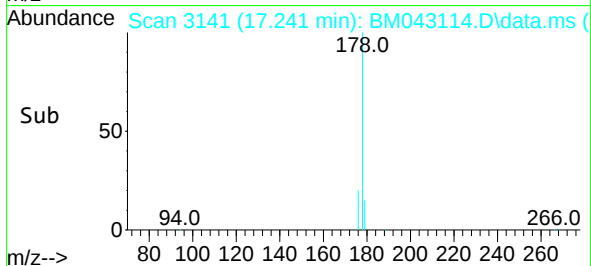
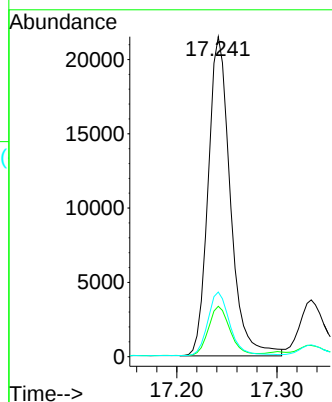
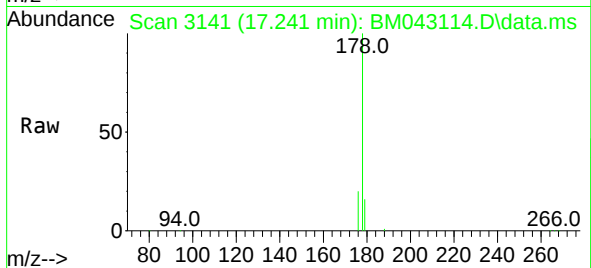
Tgt Ion:178	Resp:	33104
Ion Ratio	Lower	Upper
178	100	
179	15.7	15.7 23.5
176	20.2	18.9 28.3

Manual Integrations

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#16

Anthracene

Concen: 0.837 ng/ul

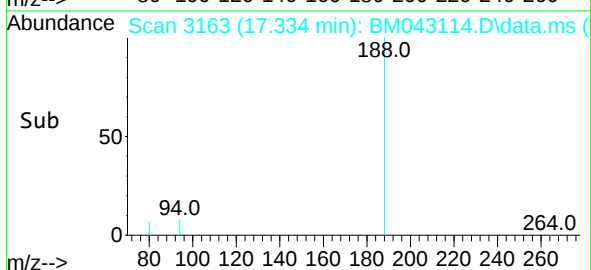
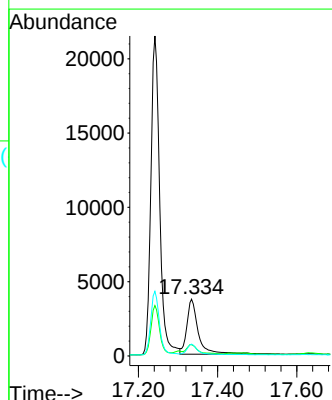
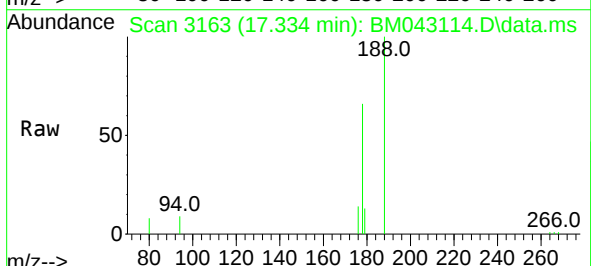
RT: 17.334 min Scan# 3163

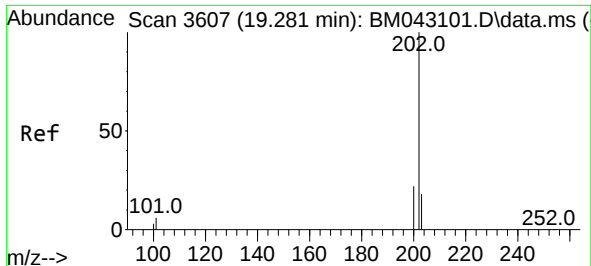
Delta R.T. -0.043 min

Lab File: BM043114.D

Acq: 01 Dec 2023 09:22

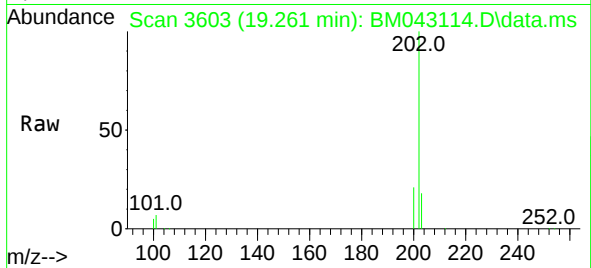
Tgt Ion:178	Resp:	7525
Ion Ratio	Lower	Upper
178	100	
179	19.6	17.3 25.9
176	20.8	20.5 30.7





#19
Fluoranthene
Concen: 4.410 ng/u1
RT: 19.261 min Scan# 3603
Delta R.T. -0.020 min
Lab File: BM043114.D
Acq: 01 Dec 2023 09:22

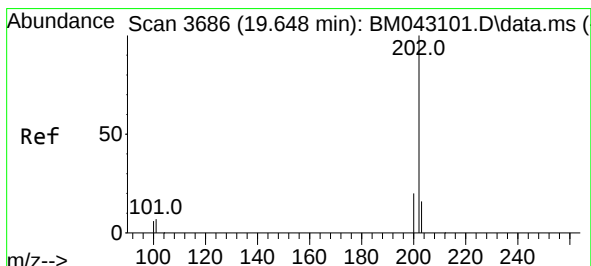
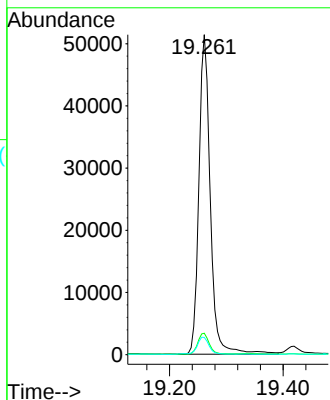
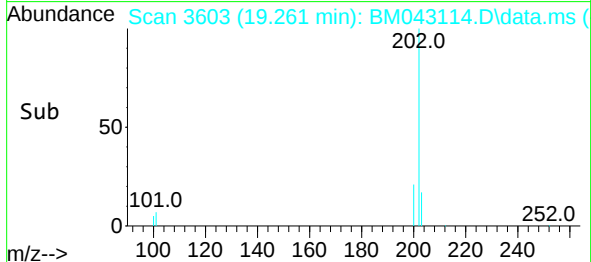
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BNA_M
ClientSampleId :
C0AA7



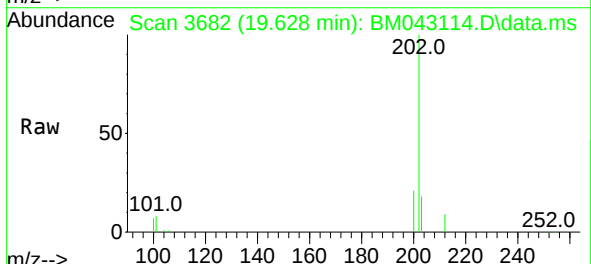
Tgt Ion:202 Resp: 71462
Ion Ratio Lower Upper
202 100
101 6.7 7.8 11.8#
100 5.4 7.1 10.7#

Manual Integrations
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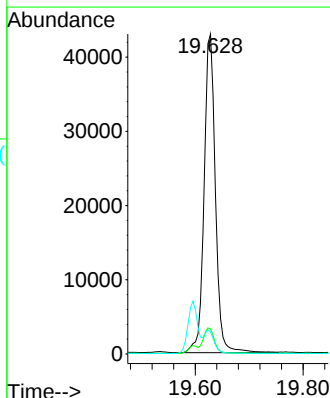
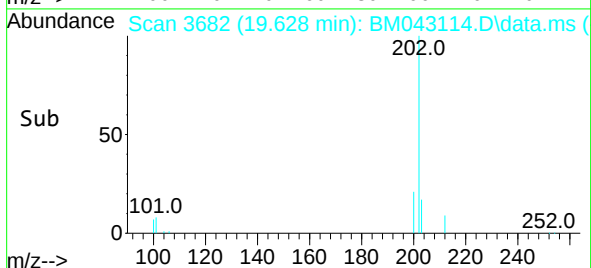
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

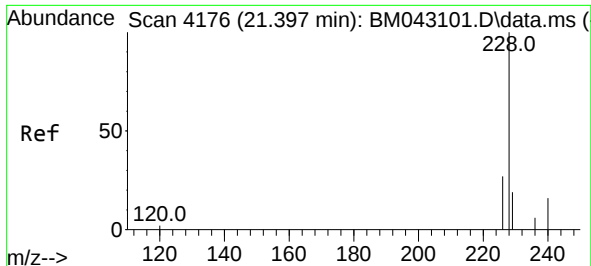


#20
Pyrene
Concen: 3.632 ng/u1
RT: 19.628 min Scan# 3682
Delta R.T. -0.020 min
Lab File: BM043114.D
Acq: 01 Dec 2023 09:22



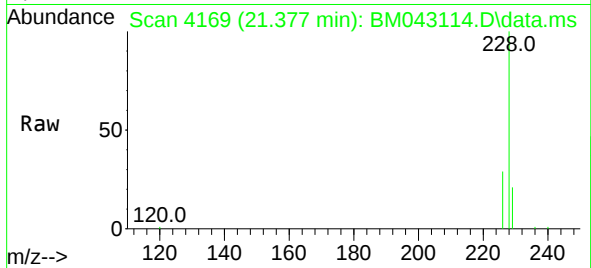
Tgt Ion:202 Resp: 62588
Ion Ratio Lower Upper
202 100
101 7.8 8.7 13.1#
100 6.9 7.8 11.8#





#21
Benzo(a)anthracene
Concen: 3.739 ng/ul m
RT: 21.377 min Scan# 4176
Delta R.T. -0.023 min
Lab File: BM043114.D
Acq: 01 Dec 2023 09:22

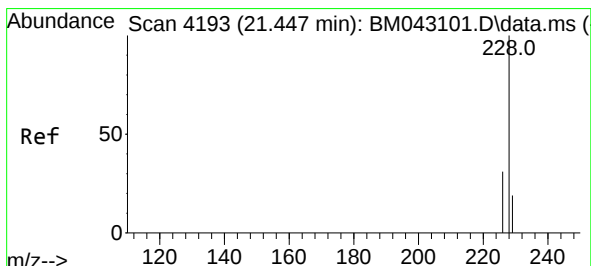
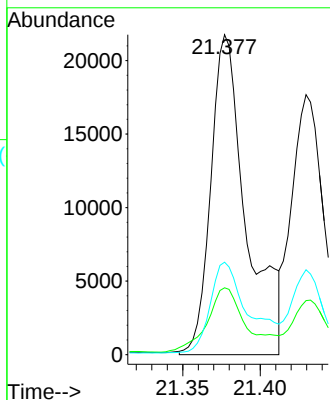
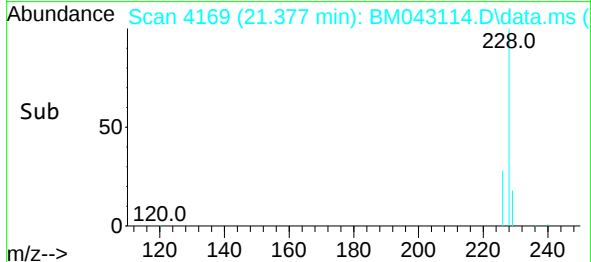
Instrument :
BNA_M
ClientSampleId :
C0AA7



Tgt Ion:228 Resp: 34672
Ion Ratio Lower Upper
228 100
229 20.9 19.4 29.0
226 28.9 24.9 37.3

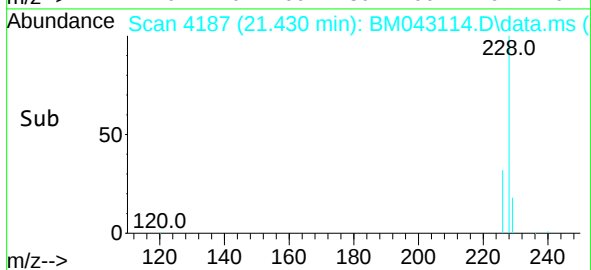
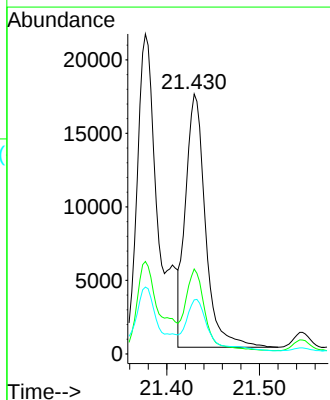
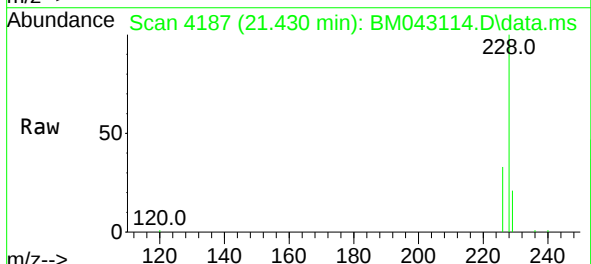
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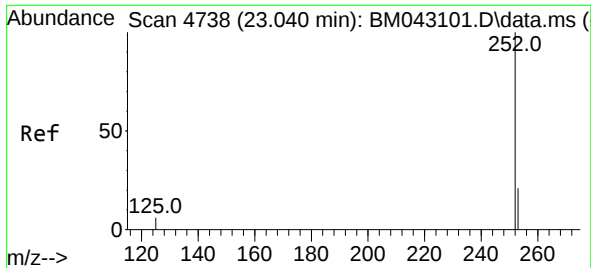
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#22
Chrysene
Concen: 1.488 ng/ul
RT: 21.430 min Scan# 4187
Delta R.T. -0.020 min
Lab File: BM043114.D
Acq: 01 Dec 2023 09:22

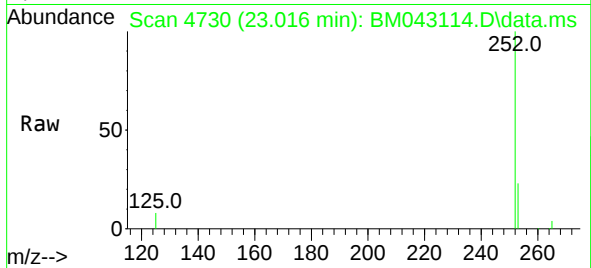
Tgt Ion:228 Resp: 25692
Ion Ratio Lower Upper
228 100
226 32.7 27.2 40.8
229 20.8 18.0 27.0





#24
Benzo(b)fluoranthene
Concen: 3.777 ng/ul
RT: 23.016 min Scan# 41
Delta R.T. -0.020 min
Lab File: BM043114.D
Acq: 01 Dec 2023 09:22

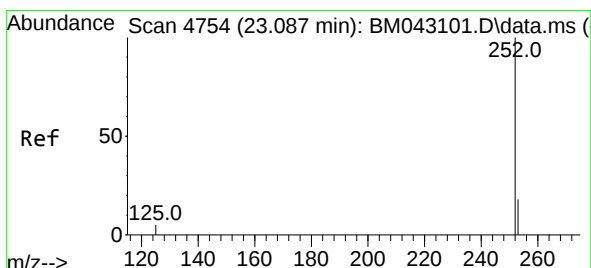
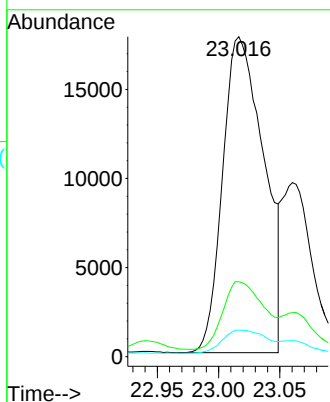
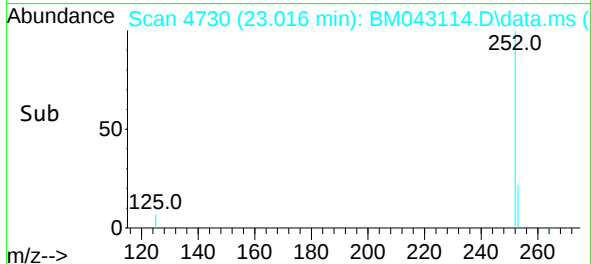
Instrument :
BNA_M
ClientSampleId :
C0AA7



Tgt Ion:252 Resp: 41554
Ion Ratio Lower Upper
252 100
253 23.4 0.0 71.8
125 8.3 0.0 29.0

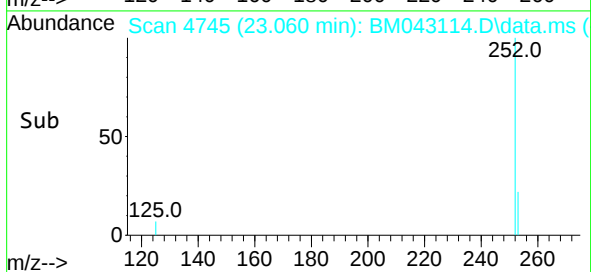
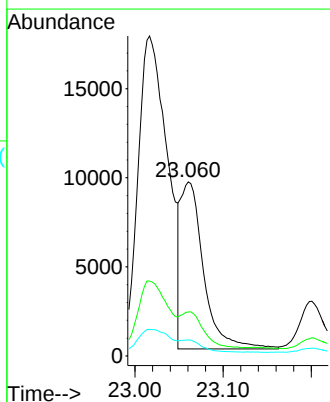
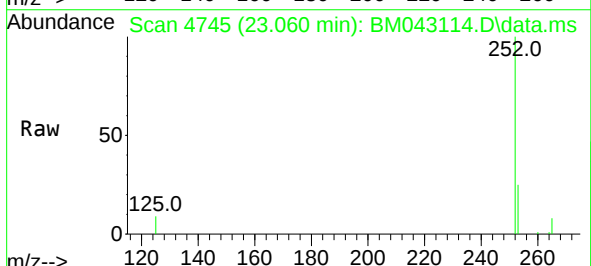
Manual Integrations
APPROVED

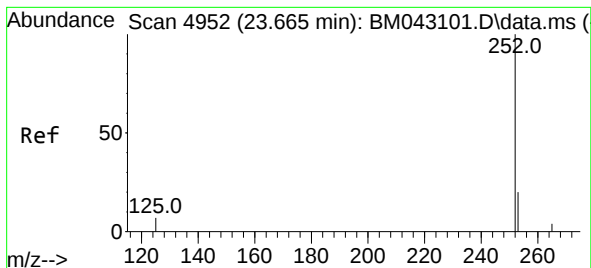
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#25
Benzo(k)fluoranthene
Concen: 1.122 ng/ul m
RT: 23.060 min Scan# 4745
Delta R.T. -0.029 min
Lab File: BM043114.D
Acq: 01 Dec 2023 09:22

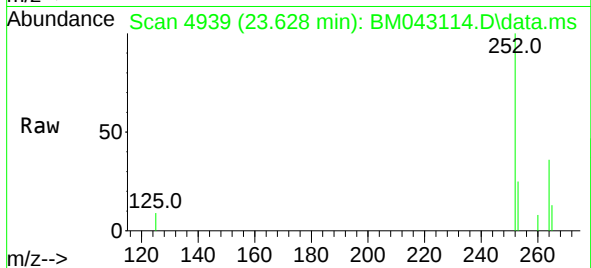
Tgt Ion:252 Resp: 16994
Ion Ratio Lower Upper
252 100
253 25.3 28.2 42.2#
125 9.2 11.0 16.6#





#26
Benzo(a)pyrene
Concen: 2.561 ng/ul
RT: 23.628 min Scan# 4939
Delta R.T. -0.040 min
Lab File: BM043114.D
Acq: 01 Dec 2023 09:22

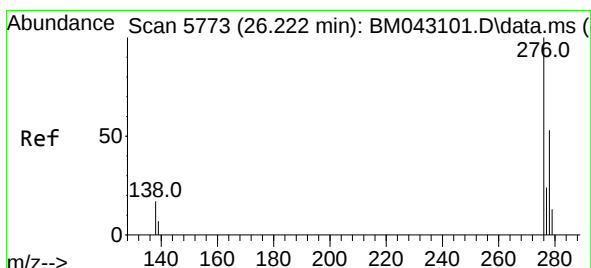
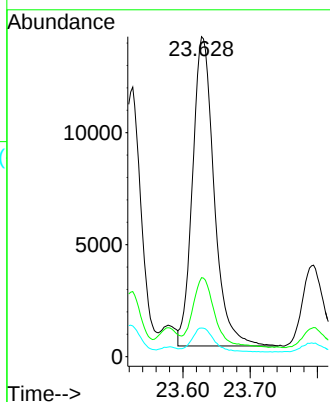
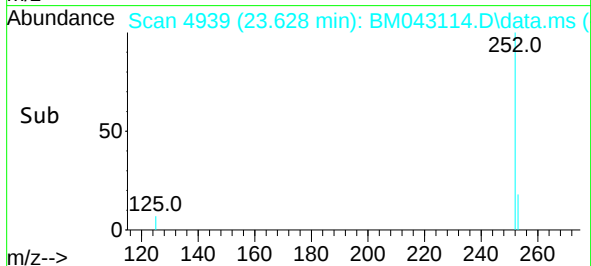
Instrument :
BNA_M
ClientSampleId :
C0AA7



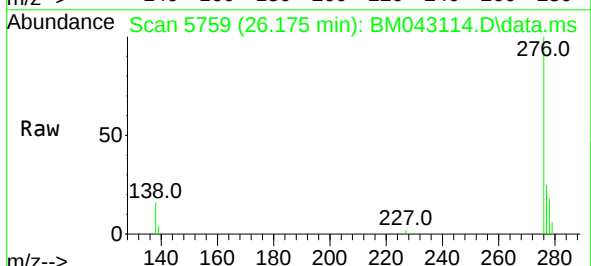
Tgt Ion:252 Resp: 30748
Ion Ratio Lower Upper
252 100
253 24.7 36.6 55.0#
125 8.9 16.2 24.4#

Manual Integrations
APPROVED

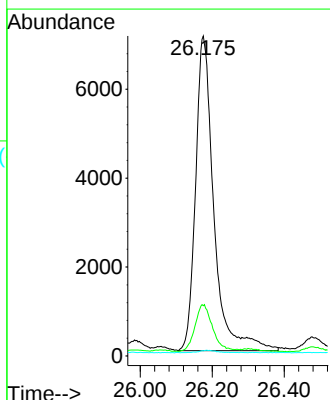
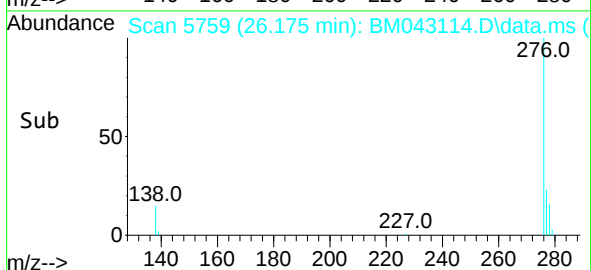
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

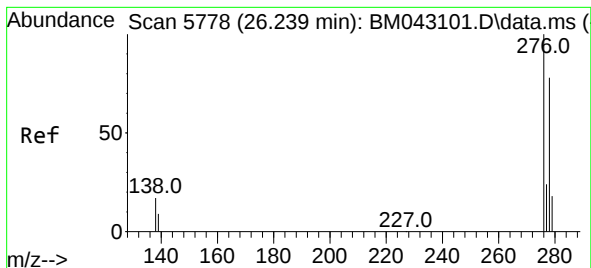


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.535 ng/ul
RT: 26.175 min Scan# 5759
Delta R.T. -0.053 min
Lab File: BM043114.D
Acq: 01 Dec 2023 09:22



Tgt Ion:276 Resp: 24941
Ion Ratio Lower Upper
276 100
138 14.5 0.0 0.0#
227 0.7 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.446 ng/ul m

RT: 26.185 min Scan# 5

Delta R.T. -0.063 min

Lab File: BM043114.D

Acq: 01 Dec 2023 09:22

Instrument :

BNA_M

ClientSampleId :

C0AA7

Tgt Ion:278 Resp: 560

Ion Ratio Lower Upper

278 100

139 19.2 18.1 27.1

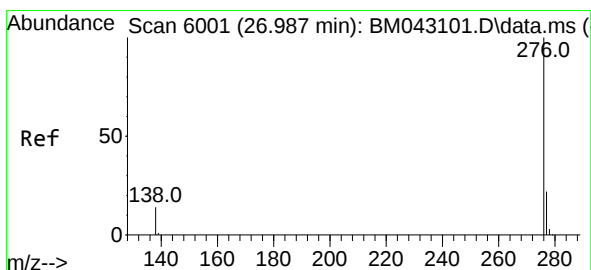
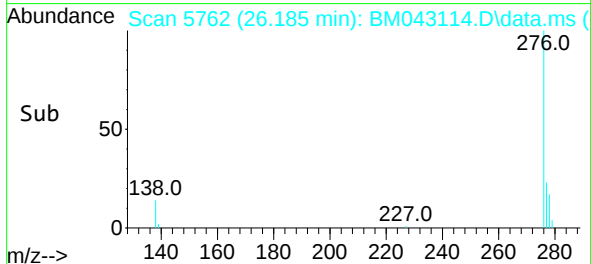
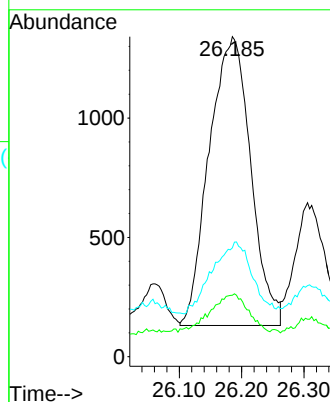
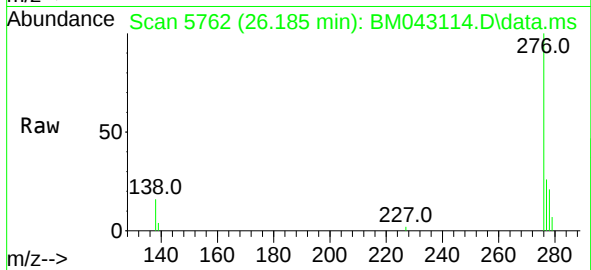
279 34.0 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/04/2023



#29

Benzo(g,h,i)perylene

Concen: 1.429 ng/ul

RT: 26.936 min Scan# 5986

Delta R.T. -0.050 min

Lab File: BM043114.D

Acq: 01 Dec 2023 09:22

Tgt Ion:276 Resp: 22591

Ion Ratio Lower Upper

276 100

138 16.6 17.8 26.8#

277 25.3 23.8 35.8

