

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043112.D
 Acq On : 01 Dec 2023 08:09
 Operator : MA/JU
 Sample : 05459-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA4

Manual Integrations
 APPROVED

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

Quant Time: Dec 01 23:17:43 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	7.801	152	1086m	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.601	136	2959	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.447	164	1757m	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.205	188	3566	0.400	ng/ul	#-0.03
17) Chrysene-d12	21.394	240	2570	0.400	ng/ul	#-0.02
23) Perylene-d12	23.744	264	2728m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	2572	1.544	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.207	152	1034	0.261	ng/ul	-0.03
18) Fluoranthene-d10	19.235	212	2453	0.262	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.651	128	1635	0.203	ng/ul	94
7) 2-Methylnaphthalene	12.284	142	894	0.188	ng/ul	100
8) 1-Methylnaphthalene	12.493	142	663	0.125	ng/ul	99
10) Acenaphthylene	14.178	152	241	0.027	ng/ul#	49
11) Acenaphthene	14.511	153	225	0.033	ng/ul#	90
12) Fluorene	15.501	166	457	0.066	ng/ul#	94
15) Phenanthrene	17.243	178	9417	0.925	ng/ul	94
16) Anthracene	17.340	178	4452	0.462	ng/ul	93
19) Fluoranthene	19.262	202	44423	3.049	ng/ul#	91
20) Pyrene	19.630	202	40675	2.625	ng/ul#	91
21) Benzo(a)anthracene	21.377	228	29351	3.520	ng/ul	95
22) Chrysene	21.432	228	28021	1.804	ng/ul	96
24) Benzo(b)fluoranthene	23.013	252	37569	4.081	ng/ul	80
25) Benzo(k)fluoranthene	23.063	252	14570m	1.149	ng/ul	
26) Benzo(a)pyrene	23.630	252	25100	2.498	ng/ul#	70
27) Indeno(1,2,3-cd)pyrene	26.181	276	19563	1.439	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.191	278	4492m	0.427	ng/ul	
29) Benzo(g,h,i)perylene	26.943	276	17940	1.356	ng/ul#	91

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

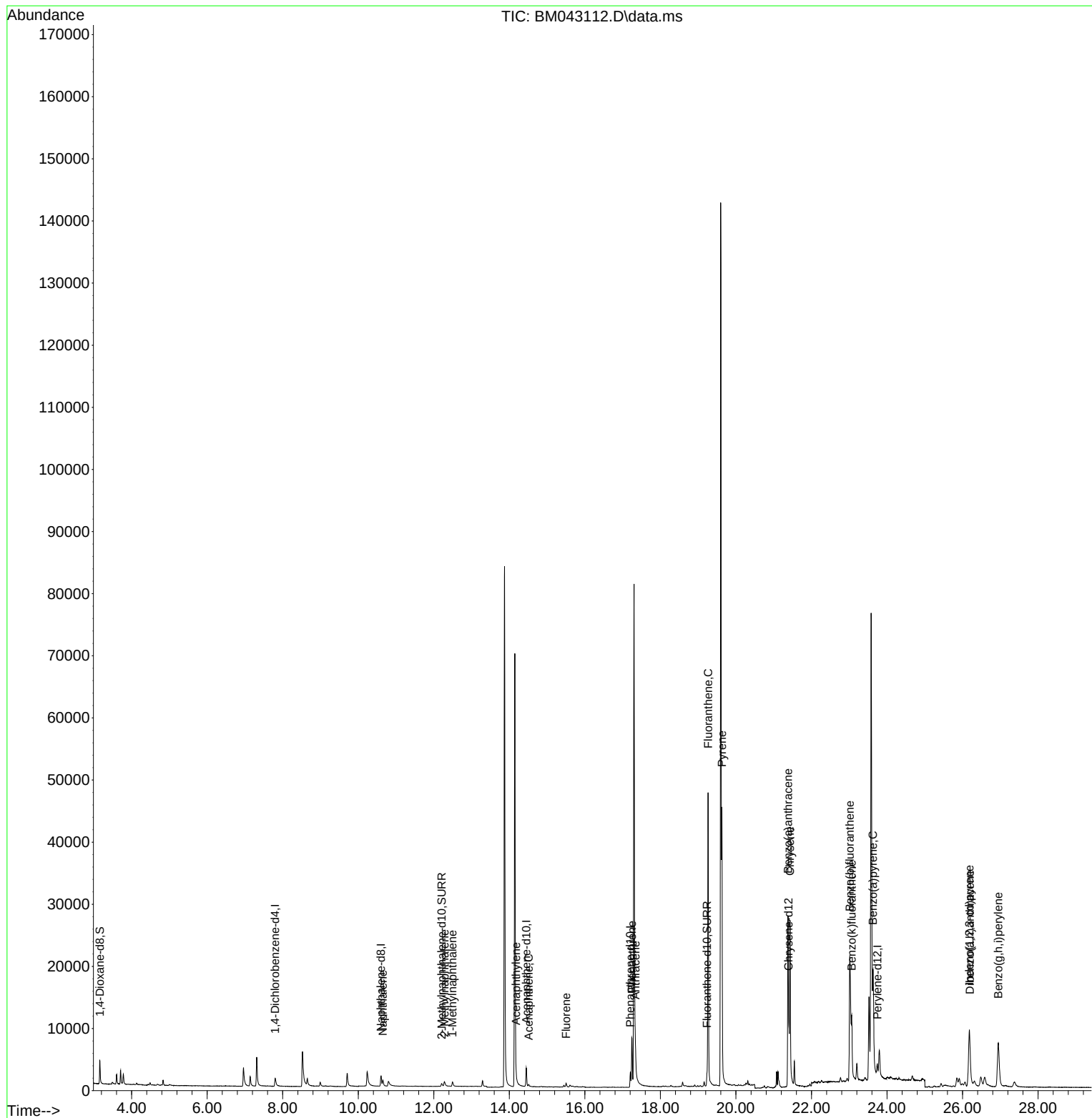
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043112.D
Acq On : 01 Dec 2023 08:09
Operator : MA/JU
Sample : 05459-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

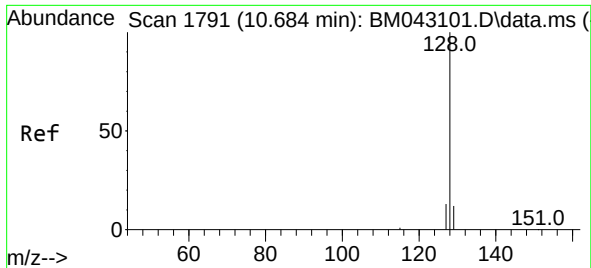
Instrument :
BNA_M
ClientSampleId :
C0AA4

Manual Integrations
APPROVED

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

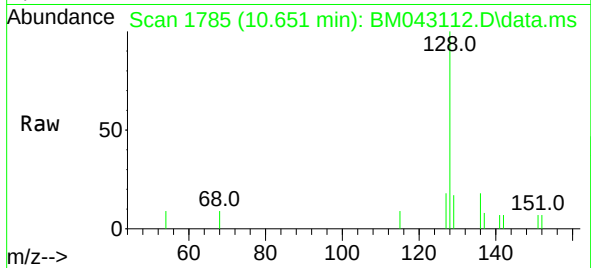
Quant Time: Dec 01 23:17:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:42:42 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.203 ng/ul
RT: 10.651 min Scan# 1785
Delta R.T. -0.038 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09

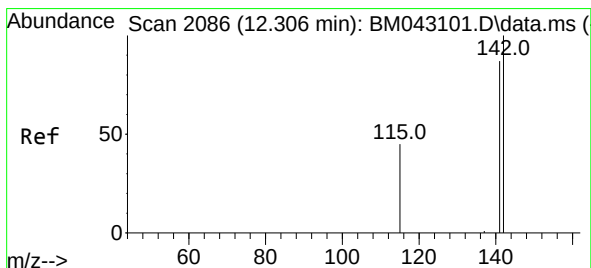
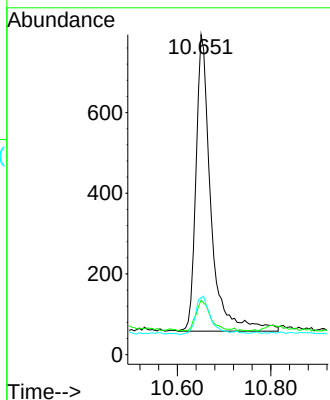
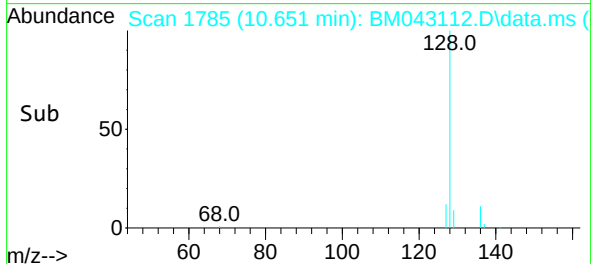
Instrument :
BNA_M
ClientSampleId :
C0AA4



Tgt Ion:128 Resp: 163
Ion Ratio Lower Upper
128 100
129 17.0 16.0 24.0
127 17.8 16.5 24.7

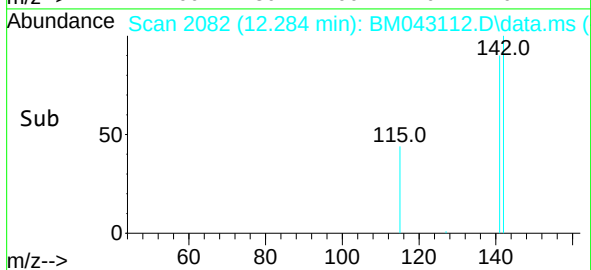
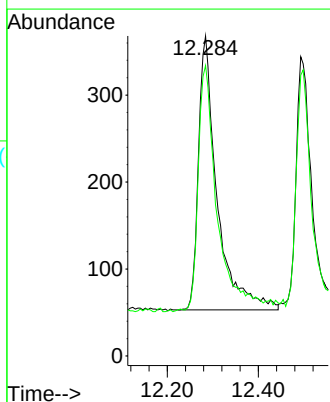
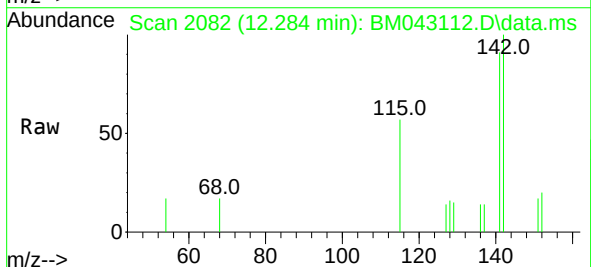
Manual Integrations
APPROVED

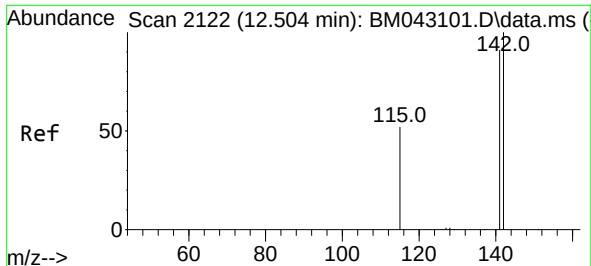
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#7
2-Methylnaphthalene
Concen: 0.188 ng/ul
RT: 12.284 min Scan# 2082
Delta R.T. -0.027 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09

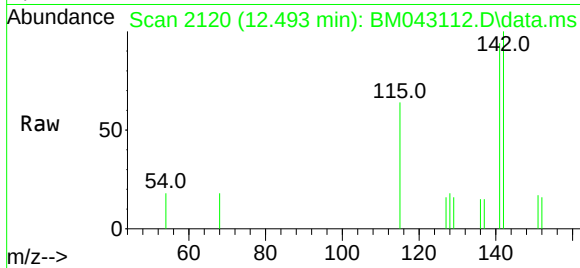
Tgt Ion:142 Resp: 894
Ion Ratio Lower Upper
142 100
141 94.6 76.1 114.1





#8
1-Methylnaphthalene
Concen: 0.125 ng/ul
RT: 12.493 min Scan# 2120
Delta R.T. -0.016 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09

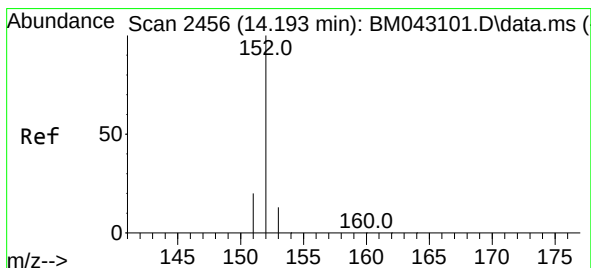
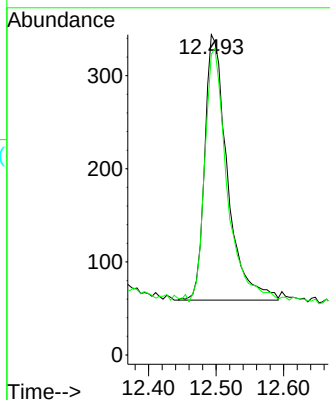
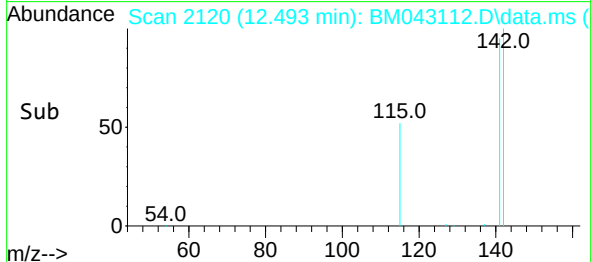
Instrument :
BNA_M
ClientSampleId :
C0AA4



Tgt Ion:142 Resp: 66
Ion Ratio Lower Upper
142 100
141 91.6 73.8 110.8

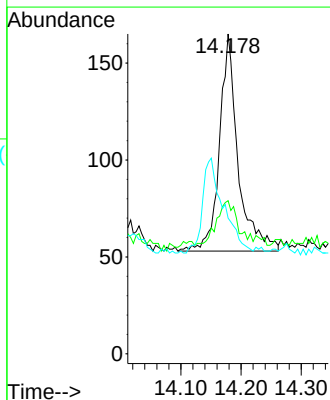
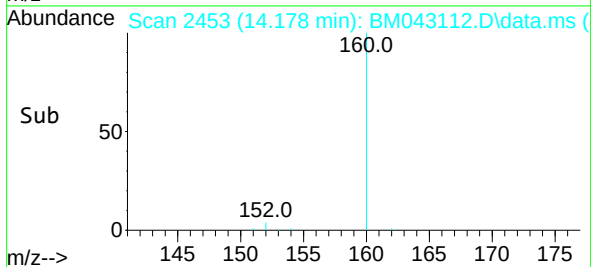
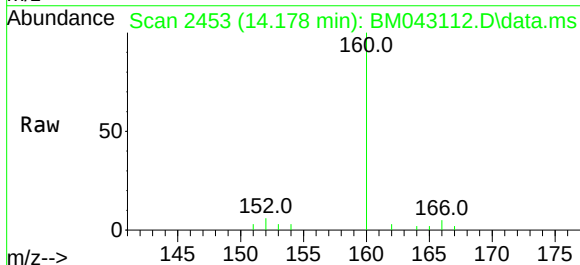
Manual Integrations
APPROVED

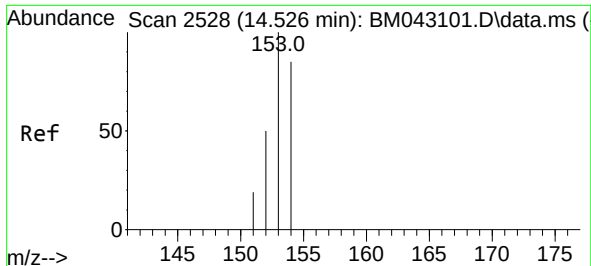
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#10
Acenaphthylene
Concen: 0.027 ng/ul
RT: 14.178 min Scan# 2453
Delta R.T. -0.018 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09

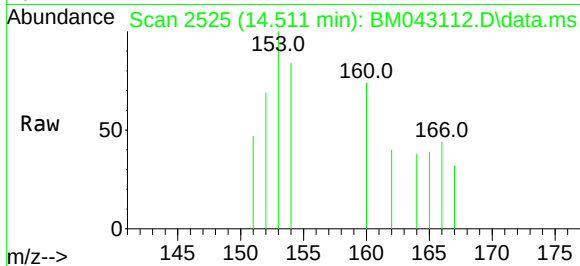
Tgt Ion:152 Resp: 241
Ion Ratio Lower Upper
152 100
151 47.9 19.4 29.0#
153 42.4 14.6 21.8#





#11
Acenaphthene
Concen: 0.033 ng/u1
RT: 14.511 min Scan# 21
Delta R.T. -0.014 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09

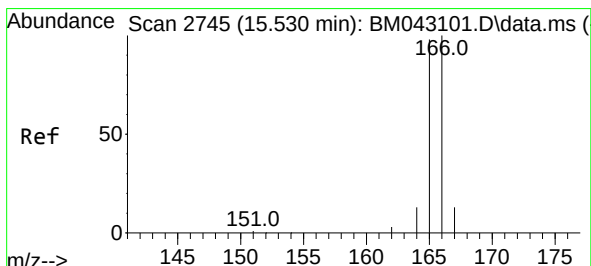
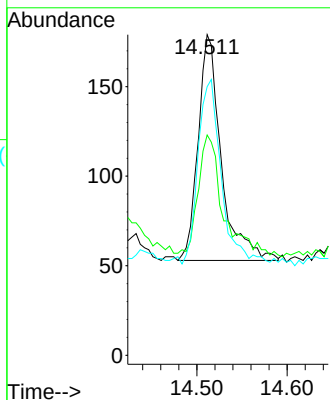
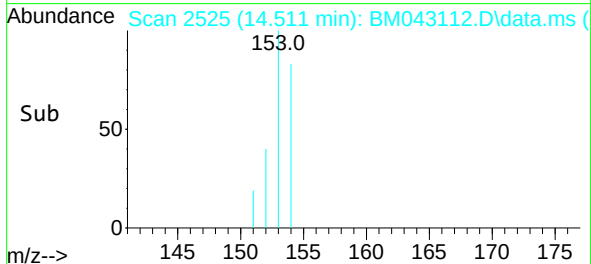
Instrument :
BNA_M
ClientSampleId :
C0AA4



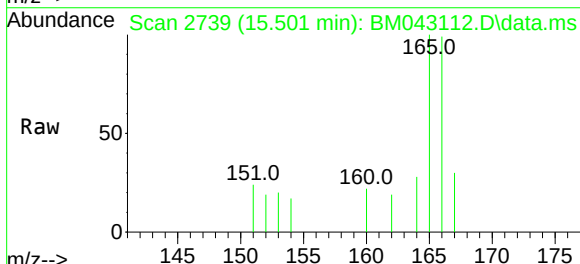
Tgt Ion:153 Resp: 225
Ion Ratio Lower Upper
153 100
152 68.7 43.9 65.9
154 83.8 70.6 105.8

Manual Integrations
APPROVED

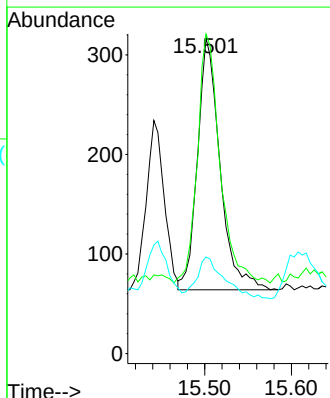
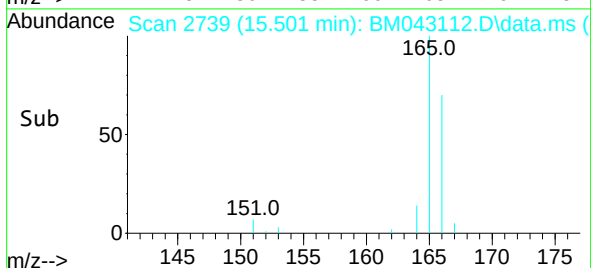
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

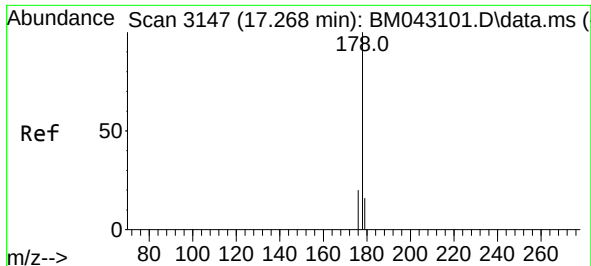


#12
Fluorene
Concen: 0.066 ng/u1
RT: 15.501 min Scan# 2739
Delta R.T. -0.032 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09



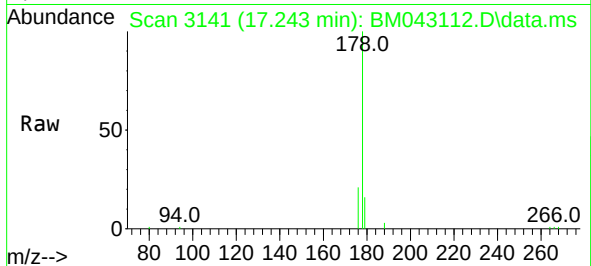
Tgt Ion:166 Resp: 457
Ion Ratio Lower Upper
166 100
165 101.3 79.9 119.9
167 30.6 14.2 21.4#





#15
Phenanthrene
Concen: 0.925 ng/ul
RT: 17.243 min Scan# 3147
Delta R.T. -0.029 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09

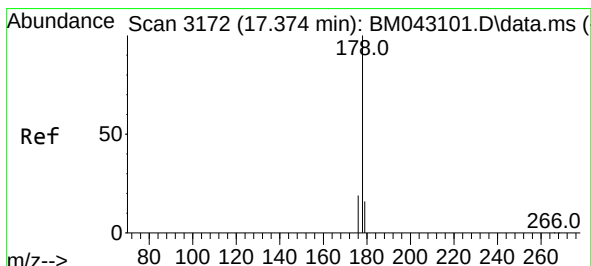
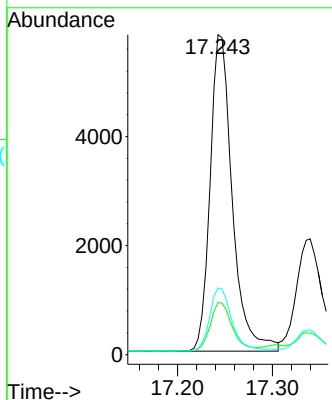
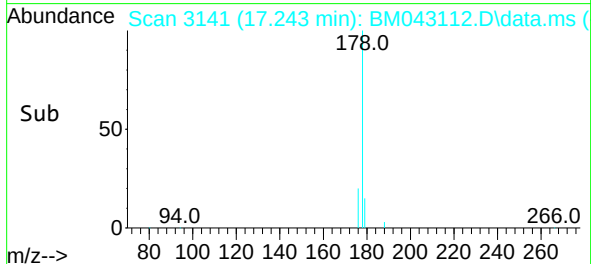
Instrument :
BNA_M
ClientSampleId :
C0AA4



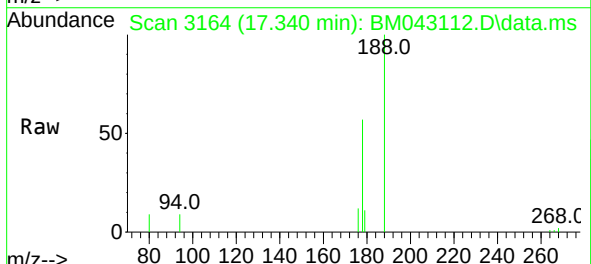
Tgt Ion:178 Resp: 941
Ion Ratio Lower Upper
178 100
179 16.3 15.7 23.5
176 20.9 18.9 28.3

Manual Integrations
APPROVED

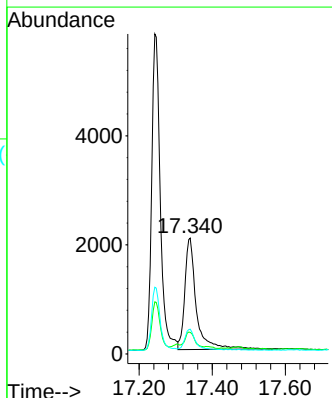
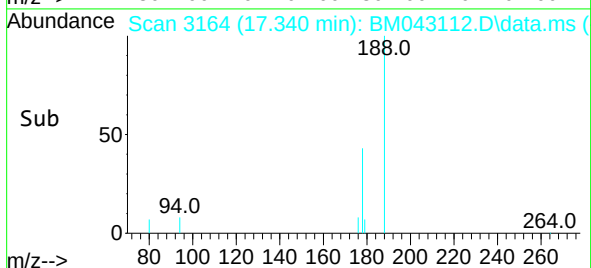
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

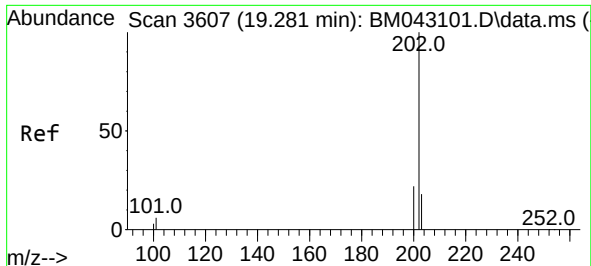


#16
Anthracene
Concen: 0.462 ng/ul
RT: 17.340 min Scan# 3164
Delta R.T. -0.038 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09



Tgt Ion:178 Resp: 4452
Ion Ratio Lower Upper
178 100
179 18.7 17.3 25.9
176 21.4 20.5 30.7





#19

Fluoranthene

Concen: 3.049 ng/u1

RT: 19.262 min Scan# 30

Delta R.T. -0.018 min

Lab File: BM043112.D

Acq: 01 Dec 2023 08:09

Instrument :

BNA_M

ClientSampleId :

C0AA4

Tgt Ion:202 Resp: 4442

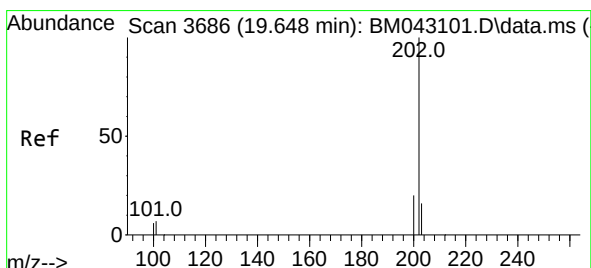
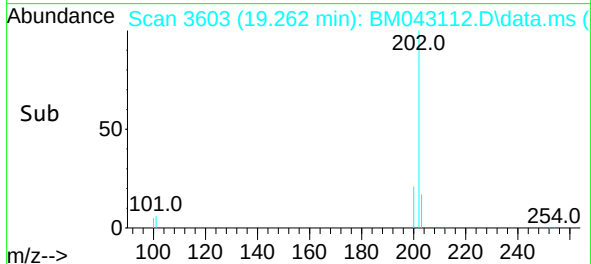
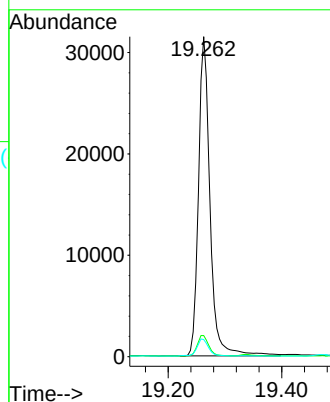
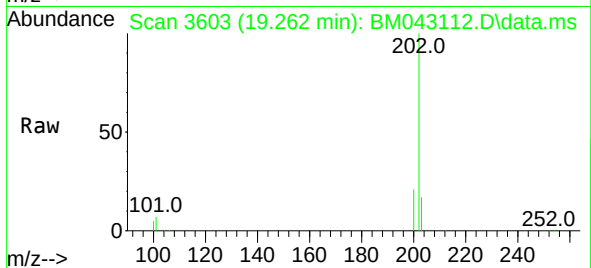
Ion	Ratio	Lower	Upper
202	100		
101	6.6	7.8	11.8
100	5.4	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/04/2023



#20

Pyrene

Concen: 2.625 ng/u1

RT: 19.630 min Scan# 3682

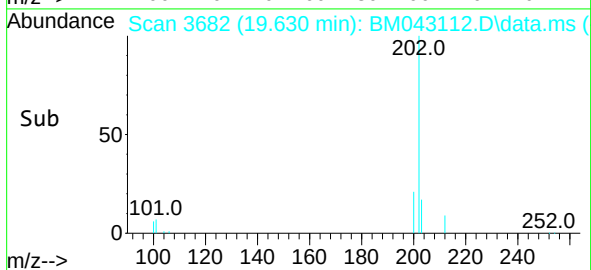
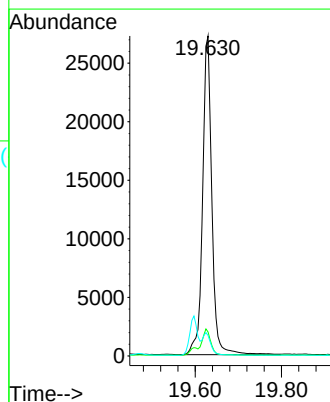
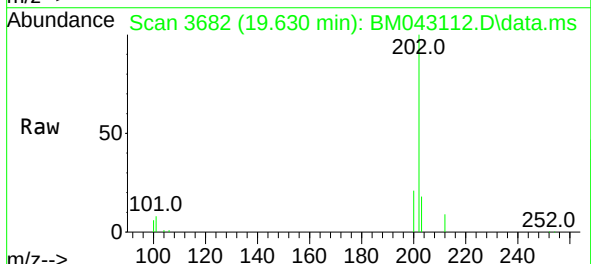
Delta R.T. -0.018 min

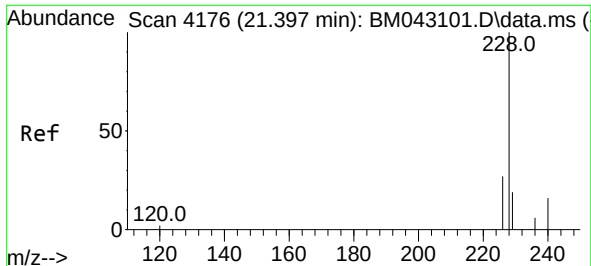
Lab File: BM043112.D

Acq: 01 Dec 2023 08:09

Tgt Ion:202 Resp: 40675

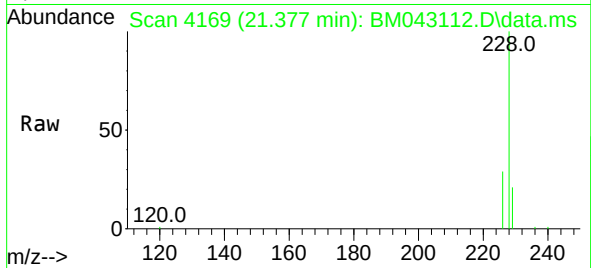
Ion	Ratio	Lower	Upper
202	100		
101	7.5	8.7	13.1
100	6.4	7.8	11.8





#21
Benzo(a)anthracene
Concen: 3.520 ng/ul
RT: 21.377 min Scan# 4176
Delta R.T. -0.023 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09

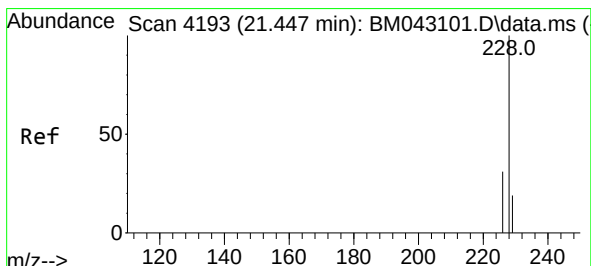
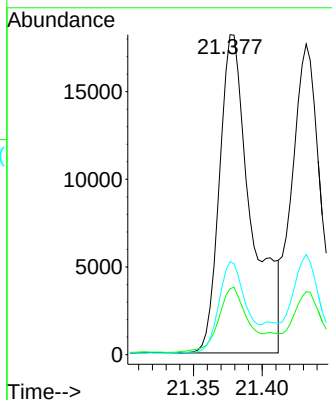
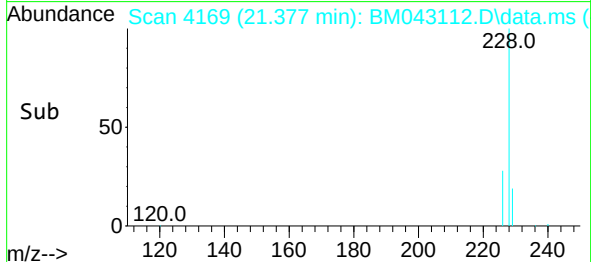
Instrument :
BNA_M
ClientSampleId :
C0AA4



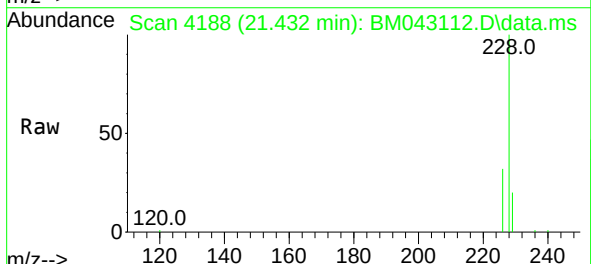
Tgt Ion:228 Resp: 2935
Ion Ratio Lower Upper
228 100
229 20.6 19.4 29.0
226 29.0 24.9 37.3

Manual Integrations
APPROVED

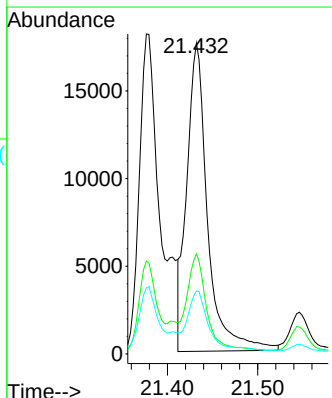
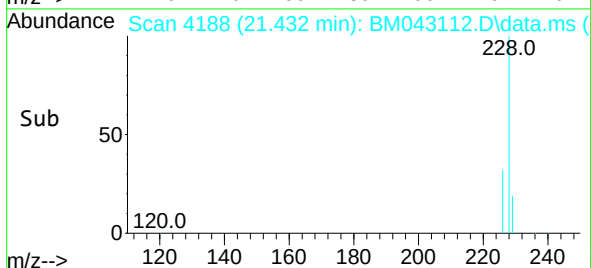
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

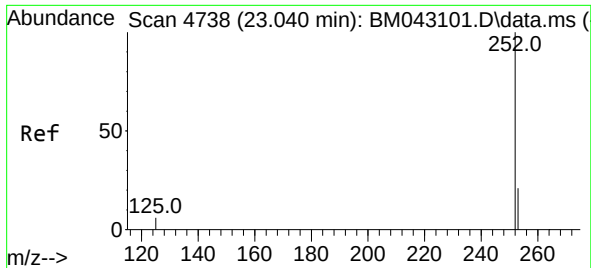


#22
Chrysene
Concen: 1.804 ng/ul
RT: 21.432 min Scan# 4188
Delta R.T. -0.017 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09



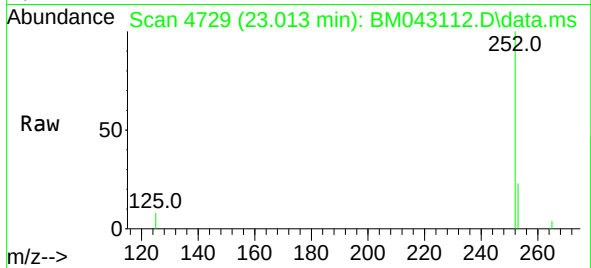
Tgt Ion:228 Resp: 28021
Ion Ratio Lower Upper
228 100
226 32.2 27.2 40.8
229 20.3 18.0 27.0





#24
Benzo(b)fluoranthene
Concen: 4.081 ng/ul
RT: 23.013 min Scan# 4729
Delta R.T. -0.023 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09

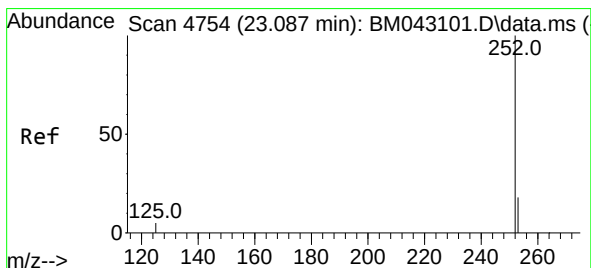
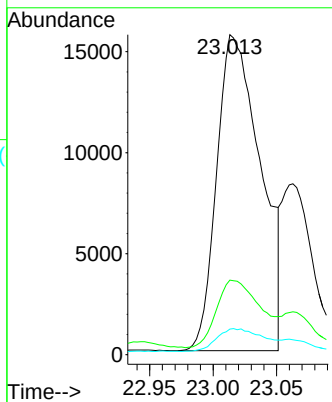
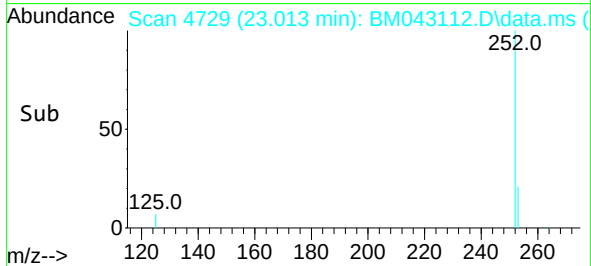
Instrument :
BNA_M
ClientSampleId :
C0AA4



Tgt Ion:252 Resp: 37569
Ion Ratio Lower Upper
252 100
253 23.3 0.0 71.8
125 8.0 0.0 29.0

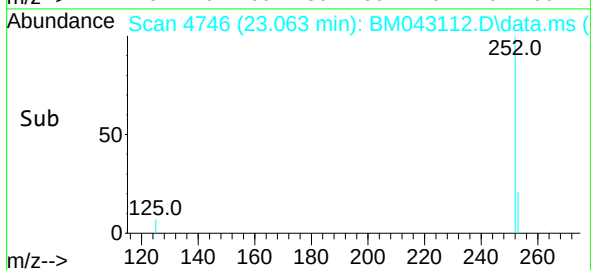
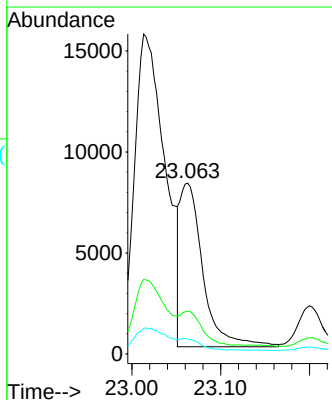
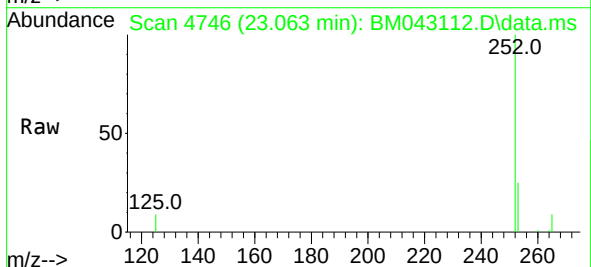
Manual Integrations
APPROVED

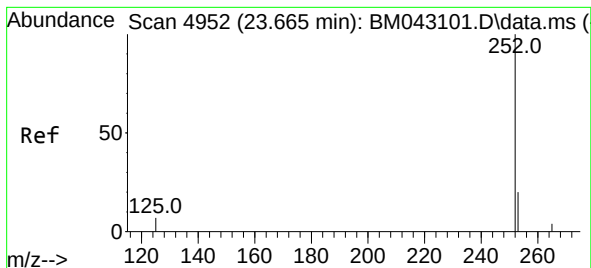
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#25
Benzo(k)fluoranthene
Concen: 1.149 ng/ul m
RT: 23.063 min Scan# 4746
Delta R.T. -0.026 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09

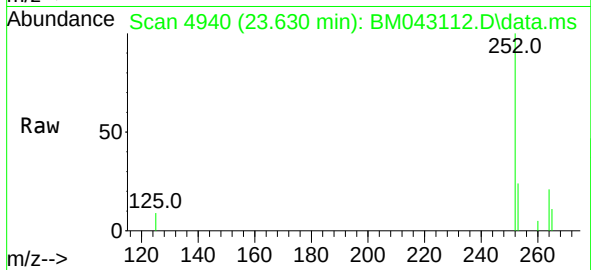
Tgt Ion:252 Resp: 14570
Ion Ratio Lower Upper
252 100
253 25.1 28.2 42.2#
125 8.7 11.0 16.6#





#26
Benzo(a)pyrene
Concen: 2.498 ng/ul
RT: 23.630 min Scan# 4952
Delta R.T. -0.038 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09

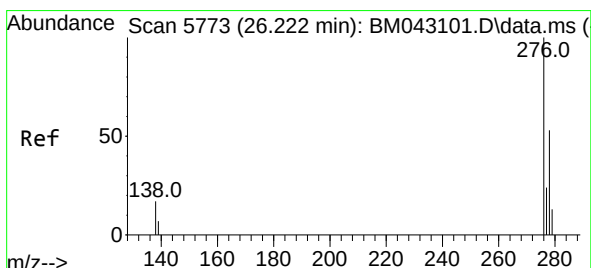
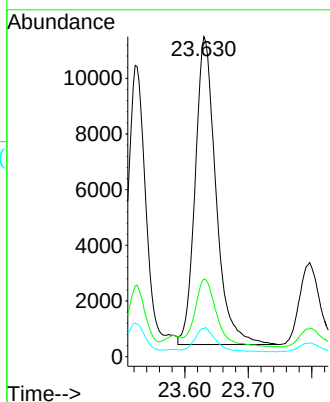
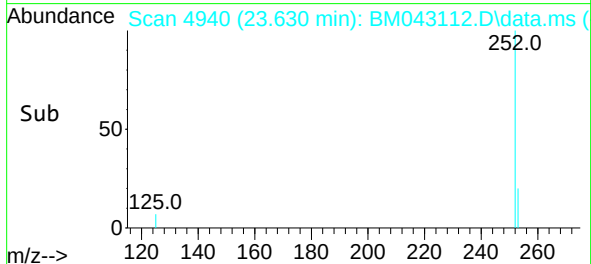
Instrument :
BNA_M
ClientSampleId :
C0AA4



Tgt Ion:252 Resp: 25100
Ion Ratio Lower Upper
252 100
253 24.3 36.6 55.0#
125 8.7 16.2 24.4#

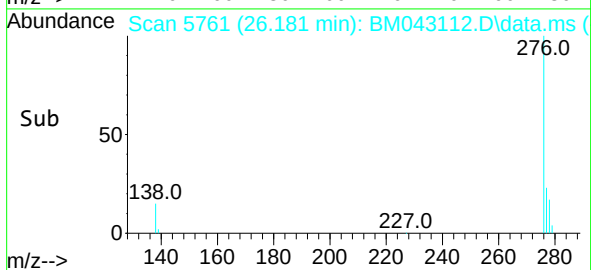
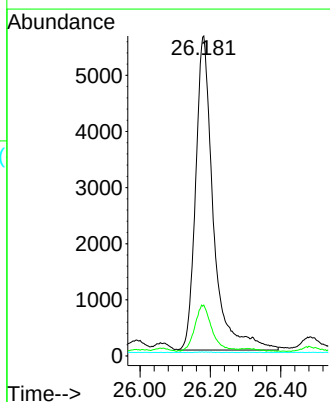
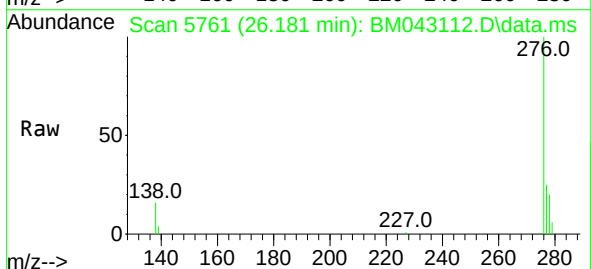
Manual Integrations
APPROVED

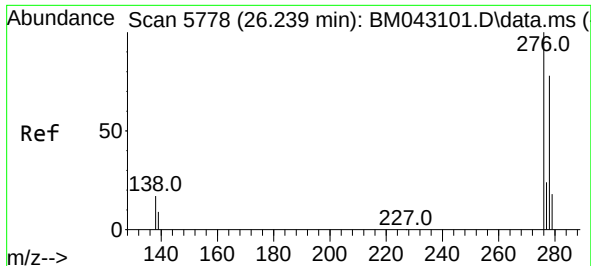
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.439 ng/ul
RT: 26.181 min Scan# 5761
Delta R.T. -0.047 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09

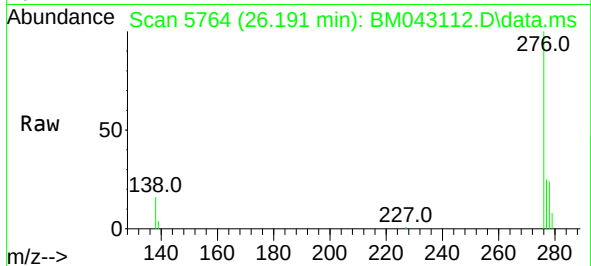
Tgt Ion:276 Resp: 19563
Ion Ratio Lower Upper
276 100
138 14.3 0.0 0.0#
227 0.1 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.427 ng/ul m
RT: 26.191 min Scan# 51
Delta R.T. -0.057 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09

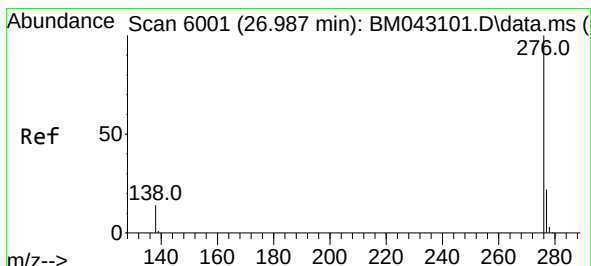
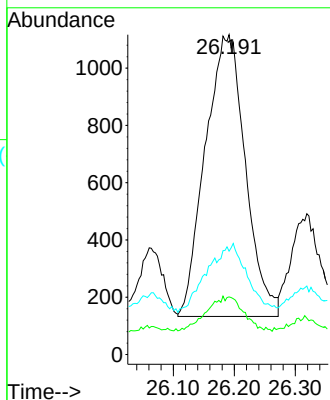
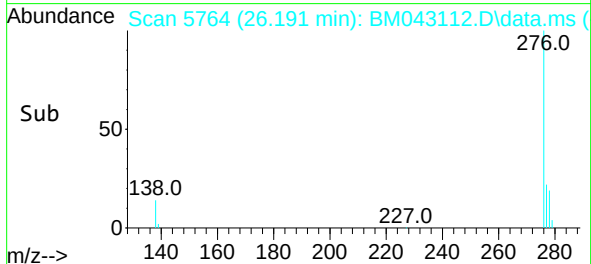
Instrument :
BNA_M
ClientSampleId :
C0AA4



Tgt Ion:278 Resp: 449
Ion Ratio Lower Upper
278 100
139 18.0 18.1 27.1
279 32.3 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: 1.356 ng/ul
RT: 26.943 min Scan# 5988
Delta R.T. -0.043 min
Lab File: BM043112.D
Acq: 01 Dec 2023 08:09

Tgt Ion:276 Resp: 17940
Ion Ratio Lower Upper
276 100
138 16.7 17.8 26.8
277 25.6 23.8 35.8

