

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043122.D
 Acq On : 01 Dec 2023 14:36
 Operator : MA/JU
 Sample : 05416-16
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AH2

Manual Integrations
 APPROVED

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

Quant Time: Dec 02 00:06:16 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 : Sat Dec 02 00:03:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.801	152	1054	0.400	ng/ul	#-0.03
4) Naphthalene-d8	10.600	136	3084	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.445	164	1832	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.199	188	3893	0.400	ng/ul	#-0.02
17) Chrysene-d12	21.397	240	2769	0.400	ng/ul	# 0.00
23) Perylene-d12	23.742	264	3316m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.156	96	1799	1.112	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.211	152	626	0.152	ng/ul	-0.01
18) Fluoranthene-d10	19.233	212	1557	0.154	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.649	128	775	0.092	ng/ul#	92
7) 2-Methylnaphthalene	12.283	142	713	0.144	ng/ul	93
8) 1-Methylnaphthalene	12.497	142	488	0.089	ng/ul	97
10) Acenaphthylene	14.172	152	641	0.069	ng/ul#	79
12) Fluorene	15.500	166	243	0.033	ng/ul#	86
15) Phenanthrene	17.241	178	3304	0.297	ng/ul	97
16) Anthracene	17.334	178	939m	0.089	ng/ul	
19) Fluoranthene	19.261	202	8865	0.565	ng/ul#	95
20) Pyrene	19.628	202	9219	0.552	ng/ul#	94
21) Benzo(a)anthracene	21.380	228	6425	0.715	ng/ul	97
22) Chrysene	21.433	228	5675	0.339	ng/ul	99
24) Benzo(b)fluoranthene	23.017	252	7551	0.675	ng/ul	92
25) Benzo(k)fluoranthene	23.060	252	3264m	0.212	ng/ul	
26) Benzo(a)pyrene	23.631	252	4855	0.398	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	26.189	276	3225	0.195	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.199	278	784	0.061	ng/ul#	58
29) Benzo(g,h,i)perylene	26.953	276	2973	0.185	ng/ul	98

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

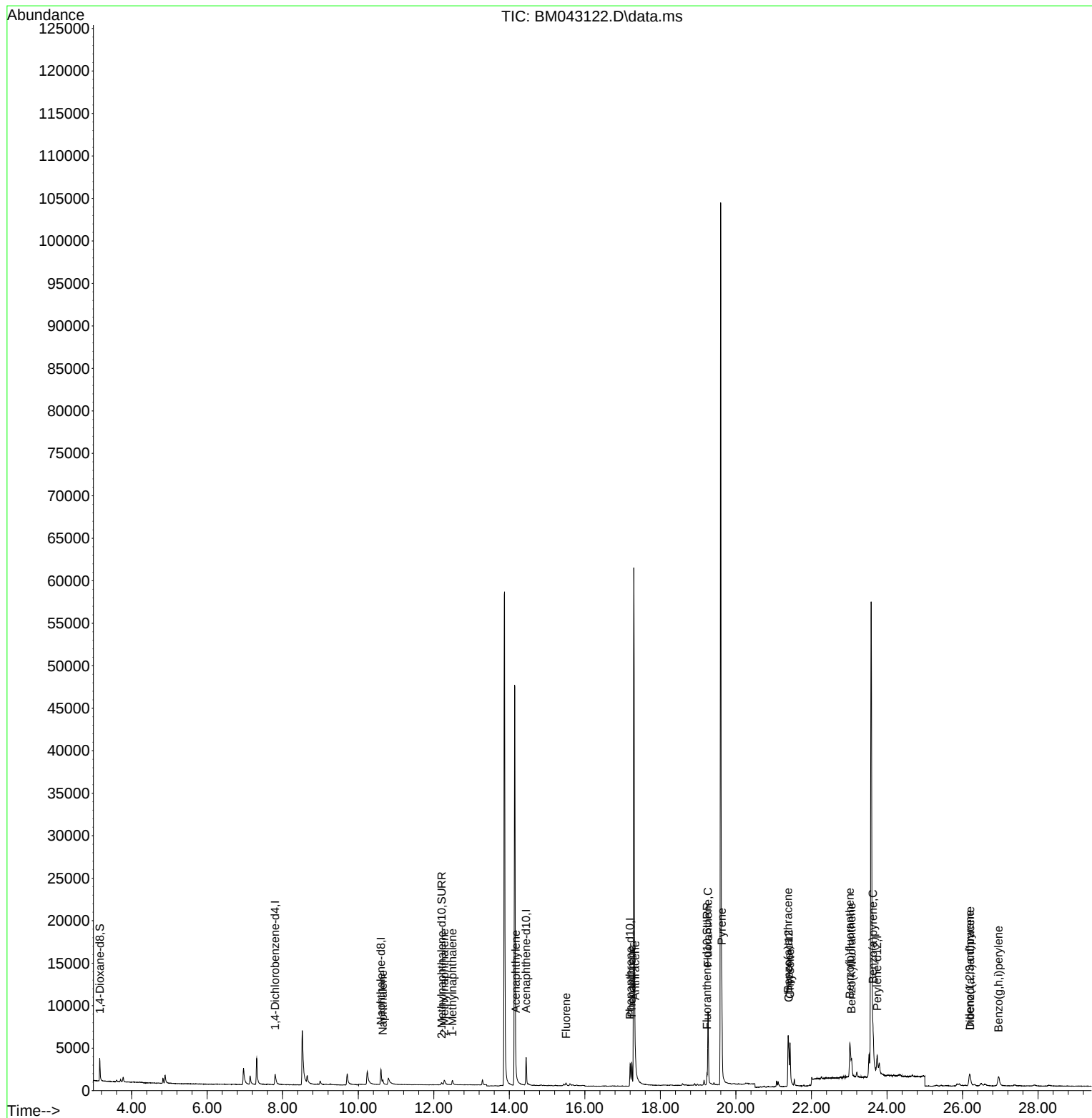
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043122.D
Acq On : 01 Dec 2023 14:36
Operator : MA/JU
Sample : 05416-16
Misc :
ALS Vial : 39 Sample Multiplier: 1

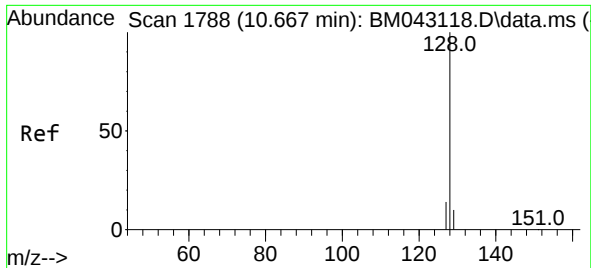
Instrument :
BNA_M
ClientSampleId :
C0AH2

Manual Integrations
APPROVED

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

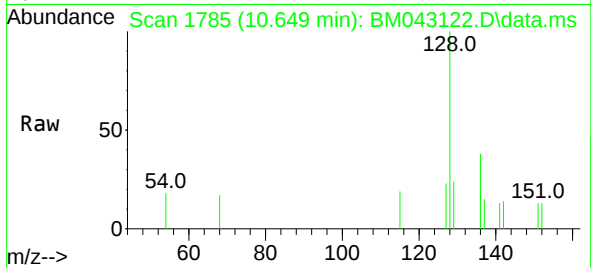
Quant Time: Dec 02 00:06:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 02 00:03:38 2023
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.092 ng/ul
RT: 10.649 min Scan# 1785
Delta R.T. -0.018 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

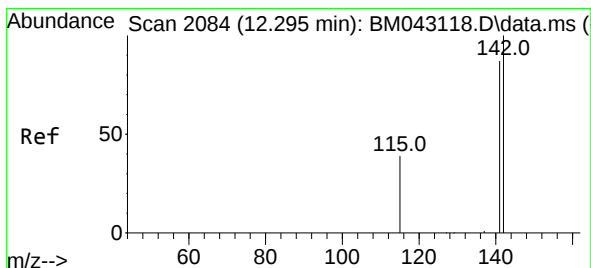
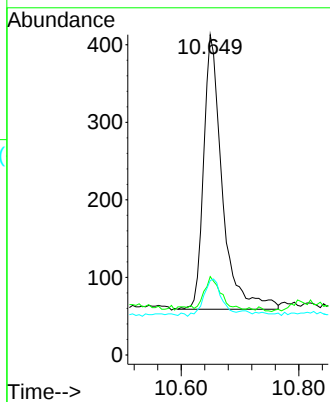
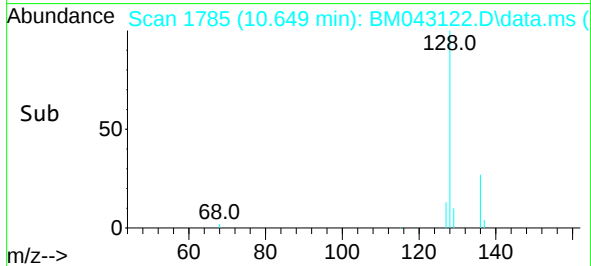
Instrument :
BNA_M
ClientSampleId :
C0AH2



Tgt Ion:128 Resp: 775
Ion Ratio Lower Upper
128 100
129 24.5 16.0 24.0
127 23.2 16.5 24.7

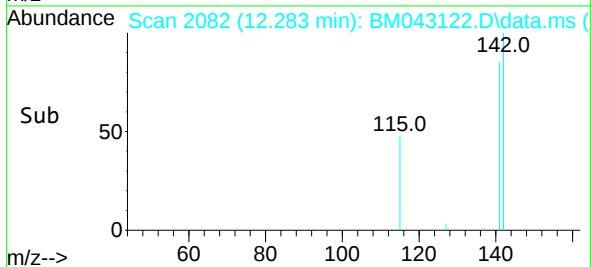
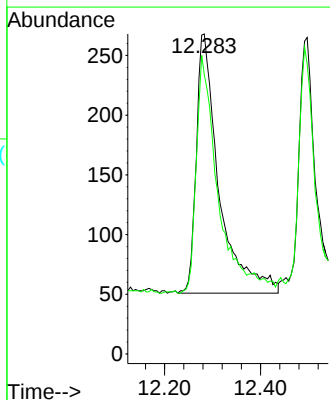
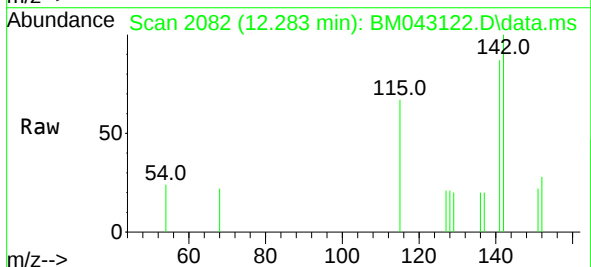
Manual Integrations
APPROVED

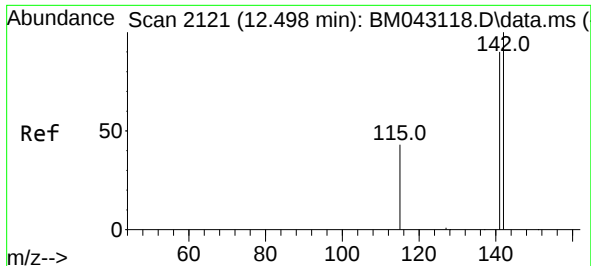
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#7
2-Methylnaphthalene
Concen: 0.144 ng/ul
RT: 12.283 min Scan# 2082
Delta R.T. -0.012 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

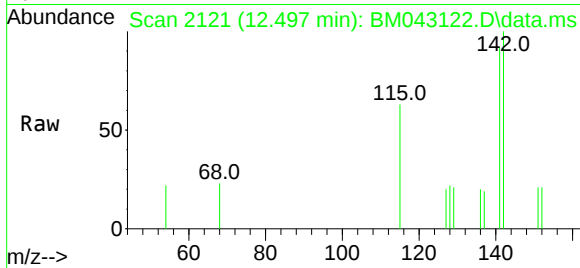
Tgt Ion:142 Resp: 713
Ion Ratio Lower Upper
142 100
141 88.4 76.1 114.1





#8
1-Methylnaphthalene
Concen: 0.089 ng/ul
RT: 12.497 min Scan# 2121
Delta R.T. -0.001 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

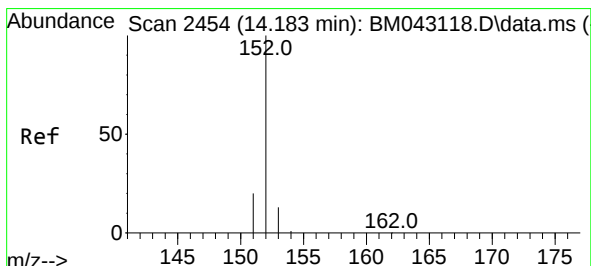
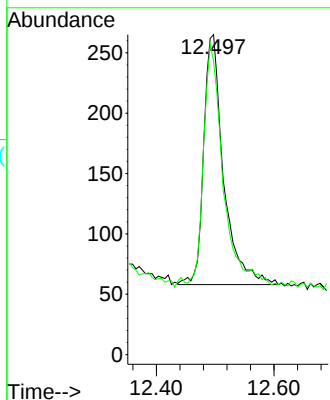
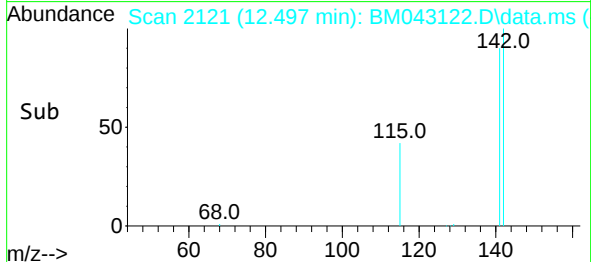
Instrument :
BNA_M
ClientSampleId :
C0AH2



Tgt Ion:142 Resp: 488
Ion Ratio Lower Upper
142 100
141 94.9 73.8 110.8

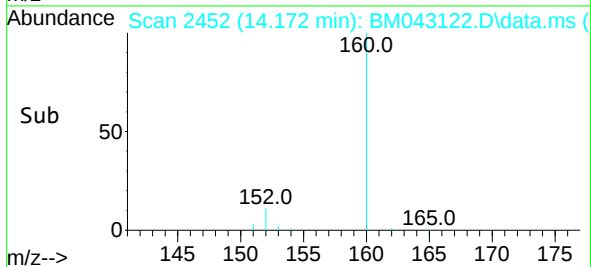
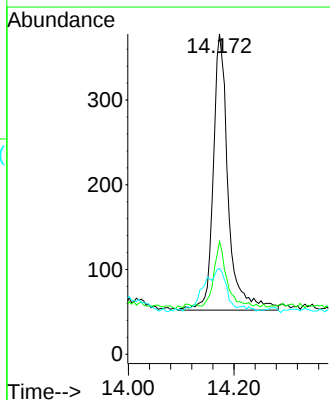
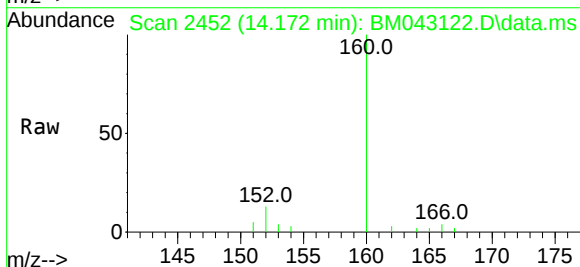
Manual Integrations
APPROVED

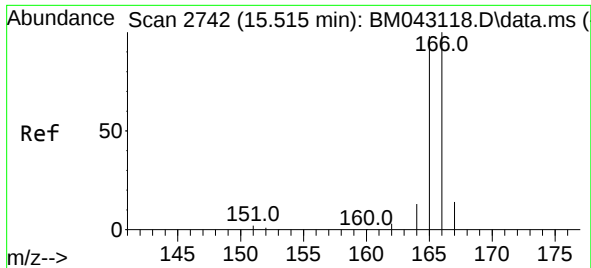
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#10
Acenaphthylene
Concen: 0.069 ng/ul
RT: 14.172 min Scan# 2452
Delta R.T. -0.010 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

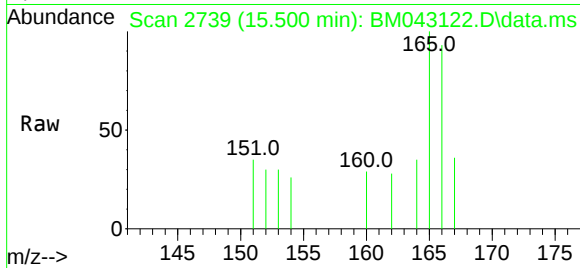
Tgt Ion:152 Resp: 641
Ion Ratio Lower Upper
152 100
151 35.2 19.4 29.0#
153 26.7 14.6 21.8#





#12
Fluorene
Concen: 0.033 ng/u1
RT: 15.500 min Scan# 21
Delta R.T. -0.015 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

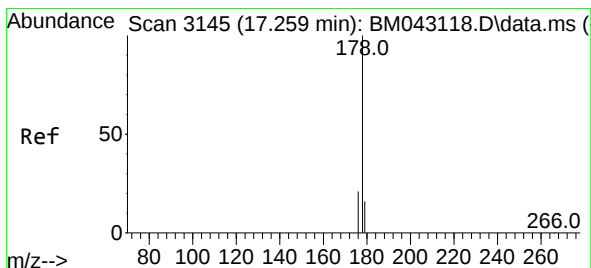
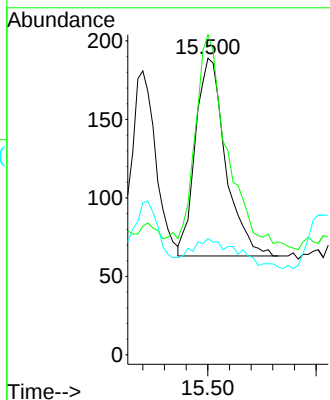
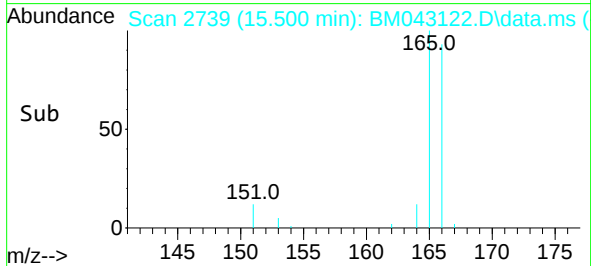
Instrument :
BNA_M
ClientSampleId :
C0AH2



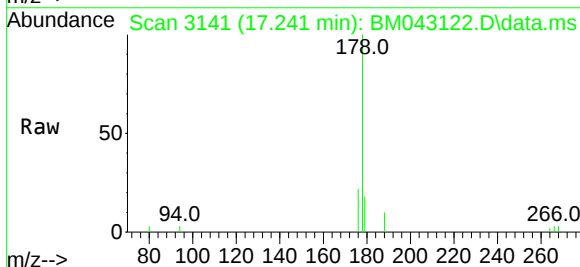
Tgt Ion:166 Resp: 24
Ion Ratio Lower Upper
166 100
165 107.9 79.9 119.9
167 39.2 14.2 21.4

Manual Integrations
APPROVED

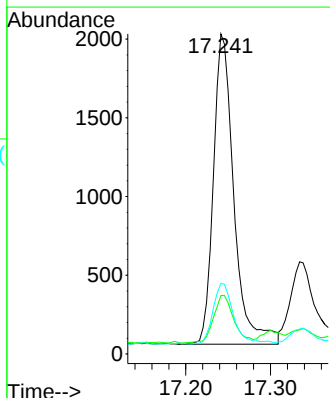
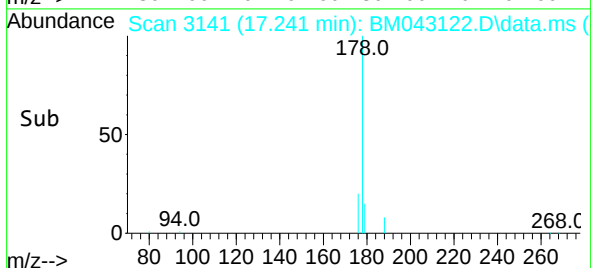
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

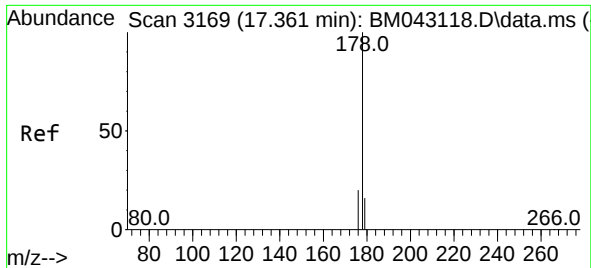


#15
Phenanthrene
Concen: 0.297 ng/u1
RT: 17.241 min Scan# 3141
Delta R.T. -0.018 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36



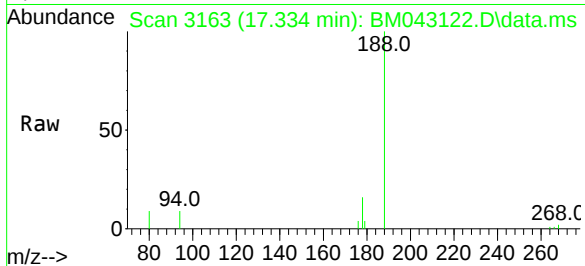
Tgt Ion:178 Resp: 3304
Ion Ratio Lower Upper
178 100
179 18.3 15.7 23.5
176 22.1 18.9 28.3





#16
 Anthracene
 Concen: 0.089 ng/ul m
 RT: 17.334 min Scan# 3163
 Delta R.T. -0.026 min
 Lab File: BM043122.D
 Acq: 01 Dec 2023 14:36

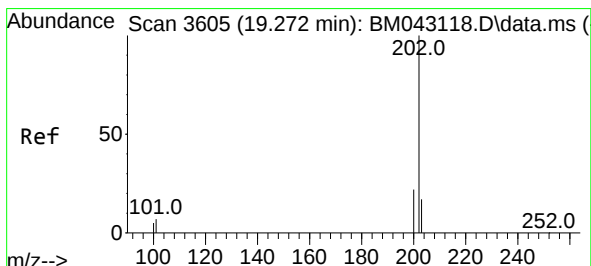
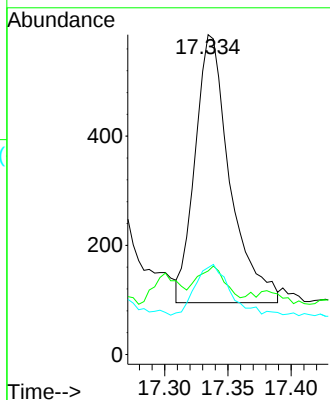
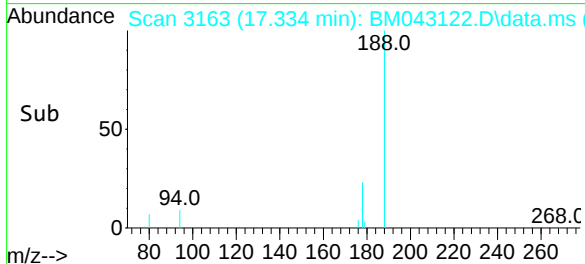
Instrument :
 BNA_M
 ClientSampleId :
 C0AH2



Tgt Ion:178 Resp: 939
 Ion Ratio Lower Upper
 178 100
 179 26.1 17.3 25.9
 176 27.1 20.5 30.7

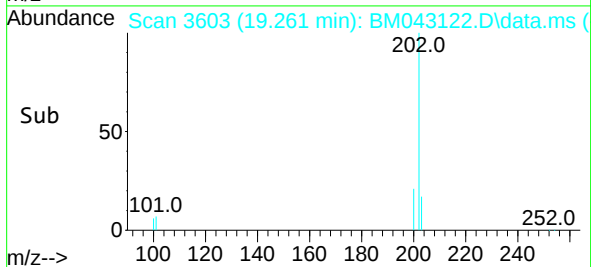
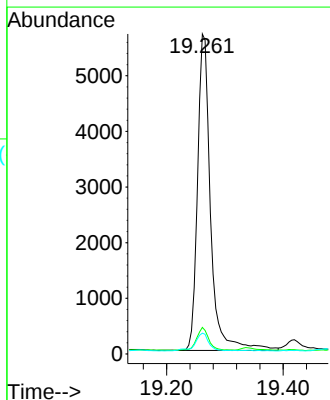
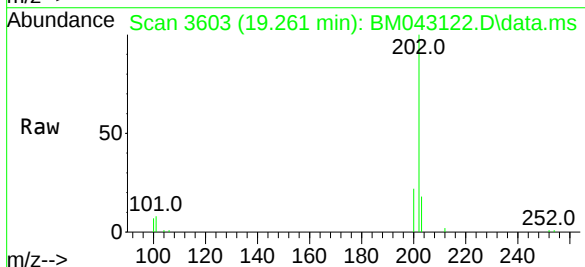
Manual Integrations
 APPROVED

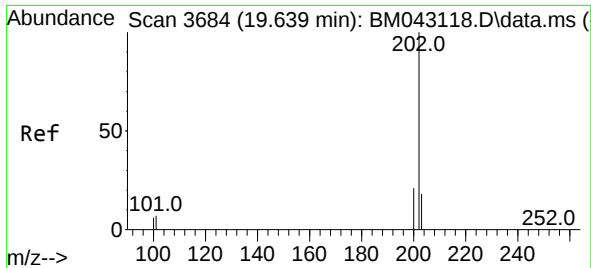
Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/04/2023



#19
 Fluoranthene
 Concen: 0.565 ng/ul
 RT: 19.261 min Scan# 3603
 Delta R.T. -0.010 min
 Lab File: BM043122.D
 Acq: 01 Dec 2023 14:36

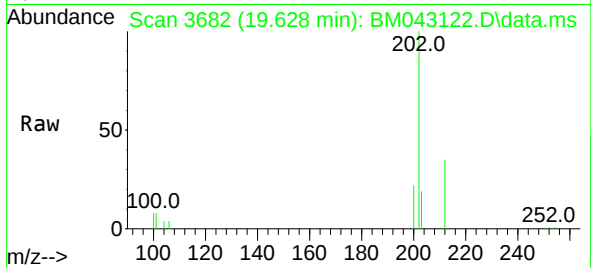
Tgt Ion:202 Resp: 8865
 Ion Ratio Lower Upper
 202 100
 101 8.3 7.8 11.8
 100 6.5 7.1 10.7





#20
Pyrene
Concen: 0.552 ng/u1
RT: 19.628 min Scan# 30
Delta R.T. -0.010 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

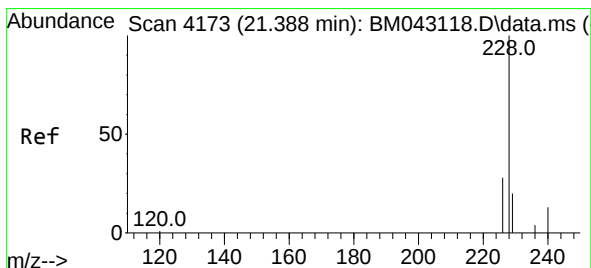
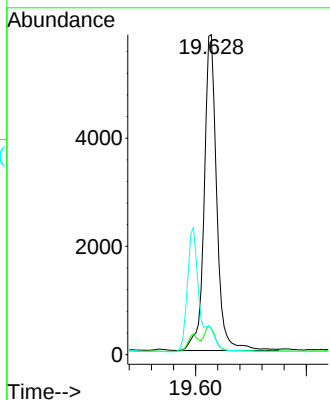
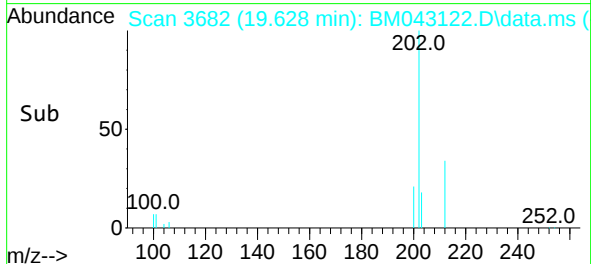
Instrument :
BNA_M
ClientSampleId :
C0AH2



Tgt Ion:202 Resp: 9219
Ion Ratio Lower Upper
202 100
101 8.3 8.7 13.1
100 8.1 7.8 11.8

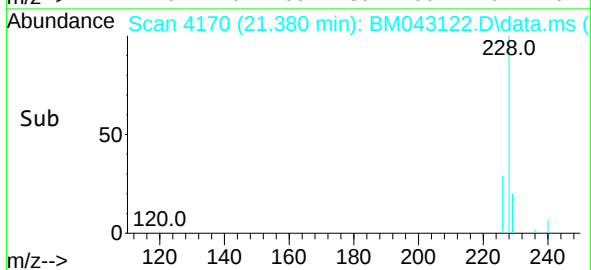
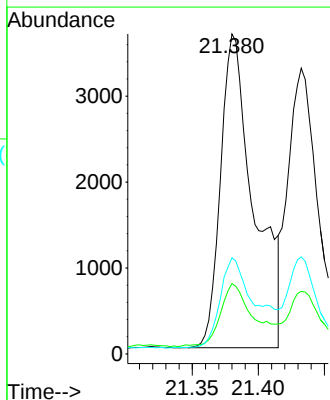
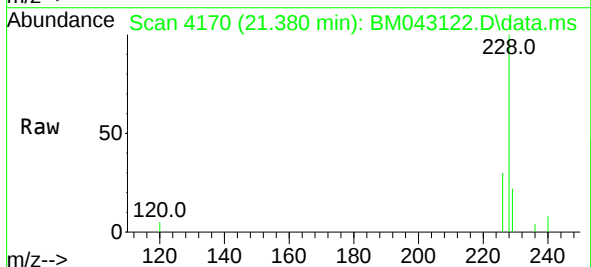
Manual Integrations
APPROVED

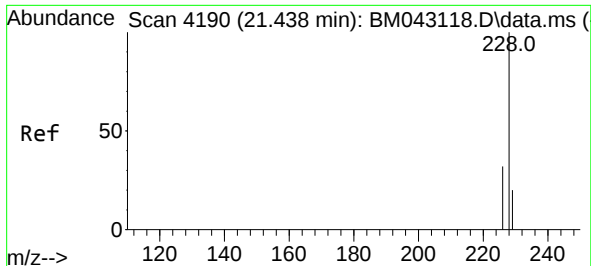
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#21
Benzo(a)anthracene
Concen: 0.715 ng/u1
RT: 21.380 min Scan# 4170
Delta R.T. -0.008 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

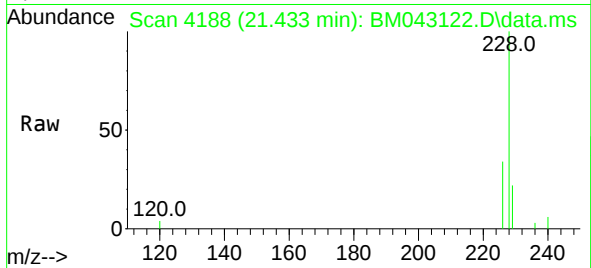
Tgt Ion:228 Resp: 6425
Ion Ratio Lower Upper
228 100
229 22.0 19.4 29.0
226 30.0 24.9 37.3





#22
Chrysene
Concen: 0.339 ng/u1
RT: 21.433 min Scan# 41
Delta R.T. -0.005 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

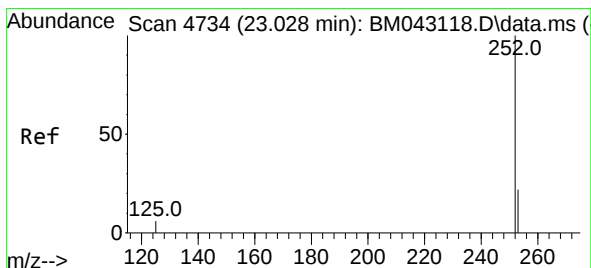
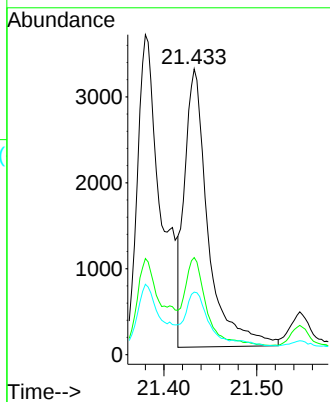
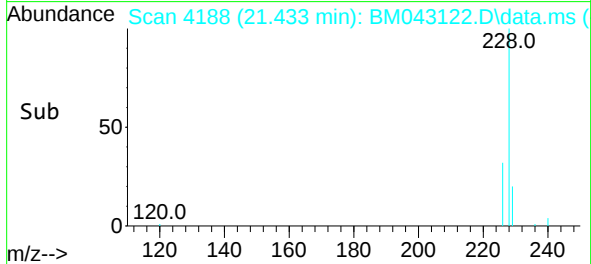
Instrument :
BNA_M
ClientSampleId :
C0AH2



Tgt Ion:228 Resp: 5679
Ion Ratio Lower Upper
228 100
226 34.0 27.2 40.8
229 21.9 18.0 27.0

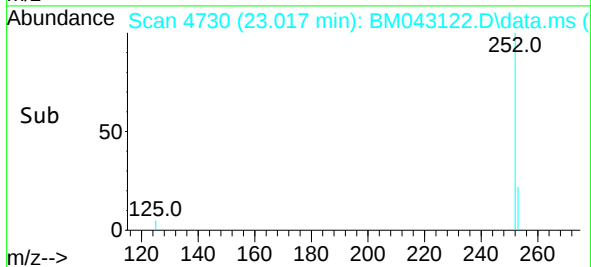
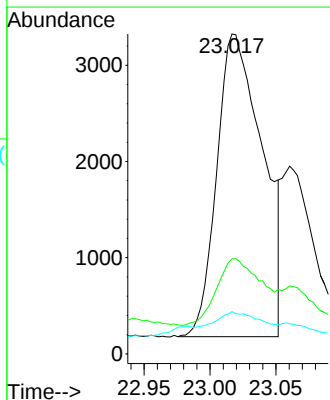
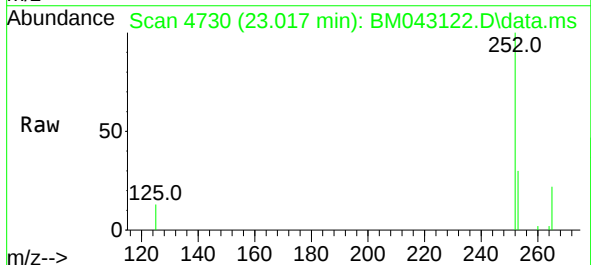
Manual Integrations
APPROVED

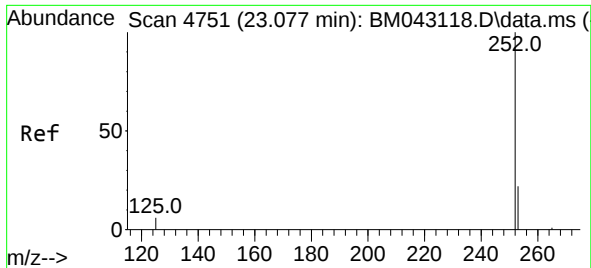
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#24
Benzo(b)fluoranthene
Concen: 0.675 ng/u1
RT: 23.017 min Scan# 4730
Delta R.T. -0.011 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

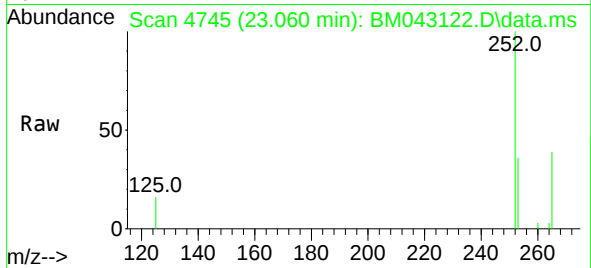
Tgt Ion:252 Resp: 7551
Ion Ratio Lower Upper
252 100
253 29.7 0.0 71.8
125 13.2 0.0 29.0





#25
Benzo(k)fluoranthene
Concen: 0.212 ng/ul m
RT: 23.060 min Scan# 4751
Delta R.T. -0.017 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

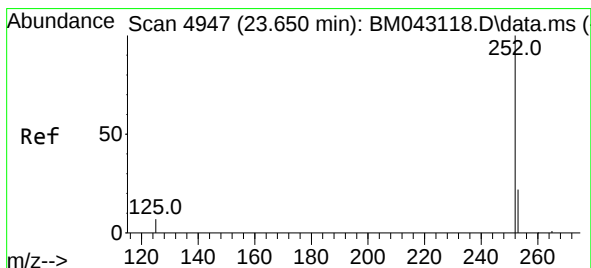
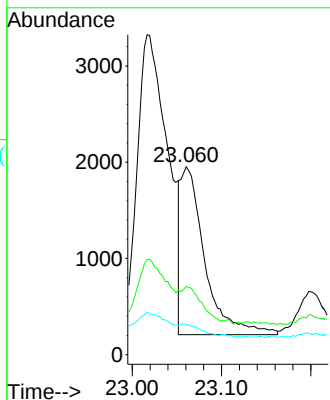
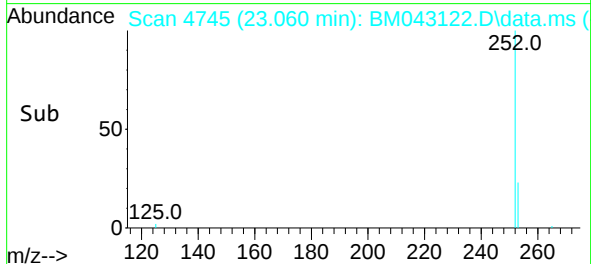
Instrument :
BNA_M
ClientSampleId :
C0AH2



Tgt Ion:252 Resp: 3264
Ion Ratio Lower Upper
252 100
253 36.3 28.2 42.2
125 16.0 11.0 16.6

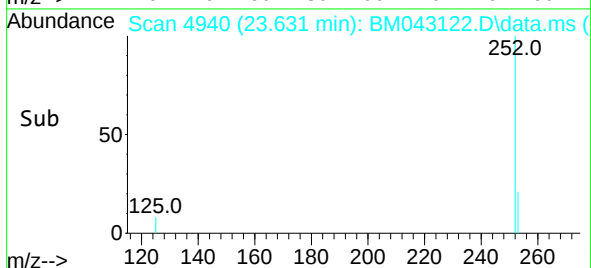
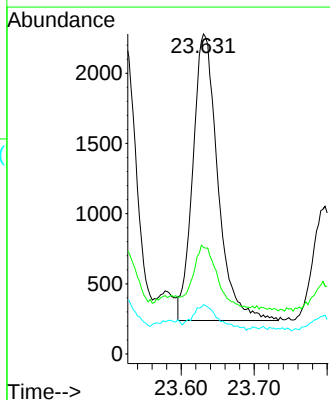
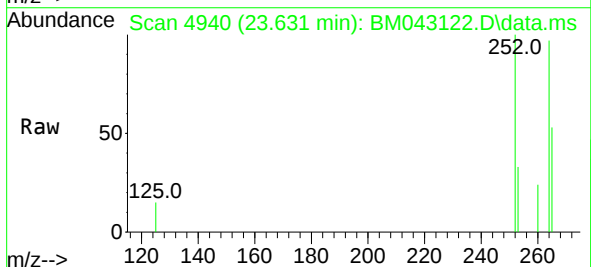
Manual Integrations
APPROVED

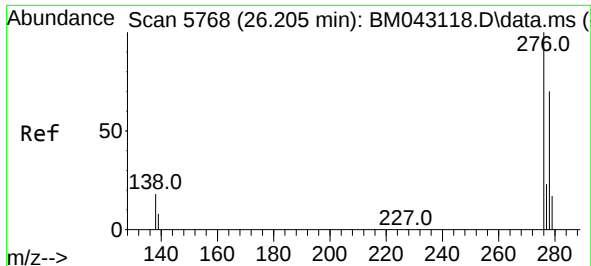
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023



#26
Benzo(a)pyrene
Concen: 0.398 ng/ul
RT: 23.631 min Scan# 4940
Delta R.T. -0.020 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

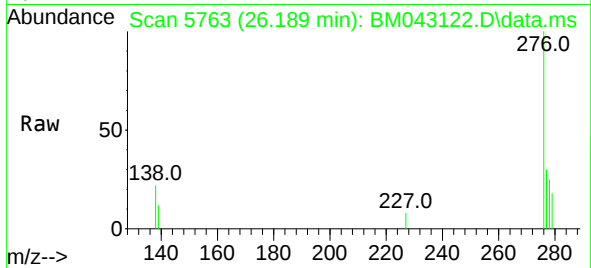
Tgt Ion:252 Resp: 4855
Ion Ratio Lower Upper
252 100
253 33.3 36.6 55.0#
125 15.4 16.2 24.4#





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.195 ng/ul
RT: 26.189 min Scan# 5763
Delta R.T. -0.016 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

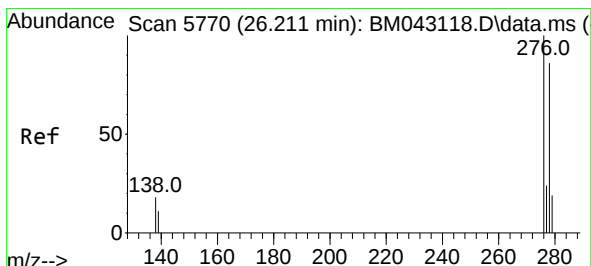
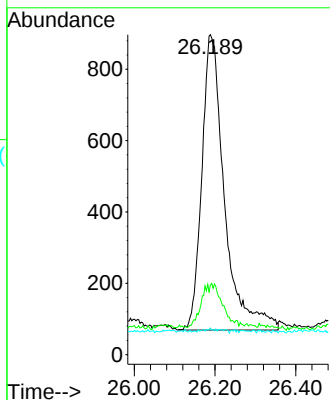
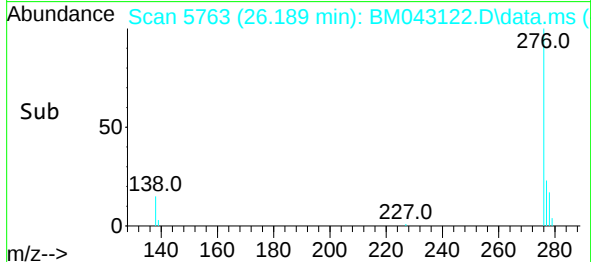
Instrument :
BNA_M
ClientSampleId :
C0AH2



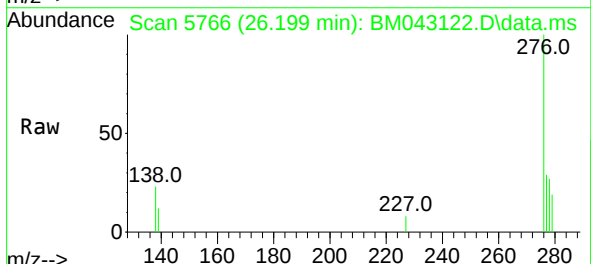
Tgt Ion:276 Resp: 3225
Ion Ratio Lower Upper
276 100
138 14.2 0.0 0.0#
227 0.2 0.2 0.2

Manual Integrations
APPROVED

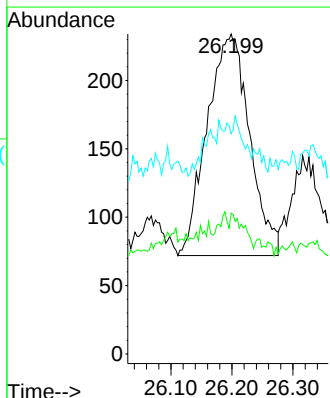
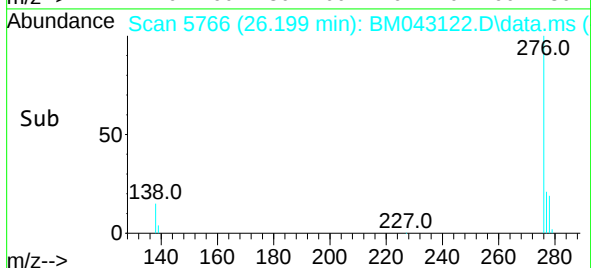
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/04/2023

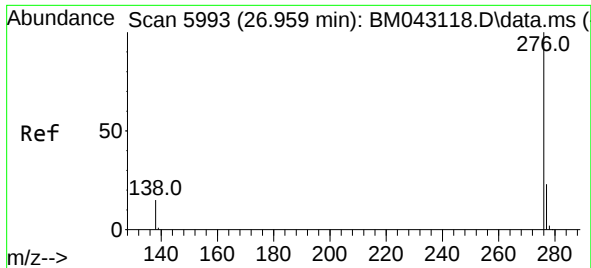


#28
Dibenzo(a,h)anthracene
Concen: 0.061 ng/ul
RT: 26.199 min Scan# 5766
Delta R.T. -0.013 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36



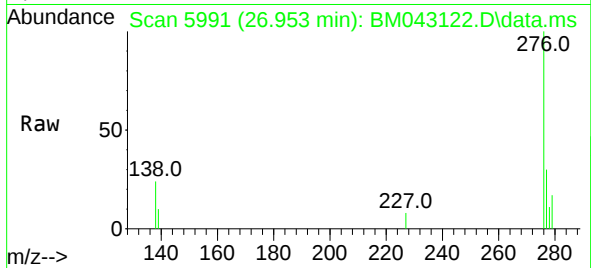
Tgt Ion:278 Resp: 784
Ion Ratio Lower Upper
278 100
139 44.0 18.1 27.1#
279 68.8 34.4 51.6#





#29
Benzo(g,h,i)perylene
Concen: 0.185 ng/ul
RT: 26.953 min Scan# 5991
Delta R.T. -0.006 min
Lab File: BM043122.D
Acq: 01 Dec 2023 14:36

Instrument :
BNA_M
ClientSampleId :
C0AH2



Tgt Ion:	276	Resp:	297
Ion	Ratio	Lower	Upper
276	100		
138	23.7	17.8	26.8
277	30.3	23.8	35.8

Manual Integrations
APPROVED

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

