

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
 Data File : BM044118.D
 Acq On : 16 Feb 2024 01:50
 Operator : MA/JU
 Sample : P1329-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0FR7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/17/2024
 Supervised By :mohammad ahmed 02/19/2024

Quant Time: Feb 17 02:56:02 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Feb 15 13:40:24 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	8441	0.400	ng/ul	0.00
4) Naphthalene-d8	10.704	136	32188	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.547	164	18476	0.400	ng/ul	# 0.00
13) Phenanthrene-d10	17.296	188	34348m	0.400	ng/ul	0.00
17) Chrysene-d12	21.503	240	16756m	0.400	ng/ul	0.00
23) Perylene-d12	23.894	264	17986m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.356	96	47303	3.957	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.294	152	19215	0.426	ng/ul	0.00
18) Fluoranthene-d10	19.331	212	22997m	0.460	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.754	128	33322	0.348	ng/ul#	75
7) 2-Methylnaphthalene	12.371	142	39523	0.670	ng/ul#	69
8) 1-Methylnaphthalene	12.585	142	35354	0.592	ng/ul#	71
10) Acenaphthylene	14.279	152	14219	0.140	ng/ul#	1
11) Acenaphthene	14.607	153	4873	0.066	ng/ul#	65
12) Fluorene	15.597	166	3848	0.046	ng/ul#	34
14) Pentachlorophenol	16.942	266	915	0.074	ng/ul	98
15) Phenanthrene	17.339	178	25509m	0.234	ng/ul	
19) Fluoranthene	19.359	202	288926m	3.782	ng/ul	
20) Pyrene	19.726	202	189367	2.357	ng/ul	96
21) Benzo(a)anthracene	21.485	228	36950m	0.482	ng/ul	
22) Chrysene	21.517	228	96119m	1.162	ng/ul	
24) Benzo(b)fluoranthene	23.169	252	110554m	1.489	ng/ul	
25) Benzo(k)fluoranthene	23.212	252	32638m	0.405	ng/ul	
26) Benzo(a)pyrene	23.788	252	42281m	0.613	ng/ul	
27) Indeno(1,2,3-cd)pyrene	26.373	276	40031m	0.456	ng/ul	
28) Dibenzo(a,h)anthracene	26.393	278	10247m	0.148	ng/ul	
29) Benzo(g,h,i)perylene	27.134	276	38062m	0.490	ng/ul	

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

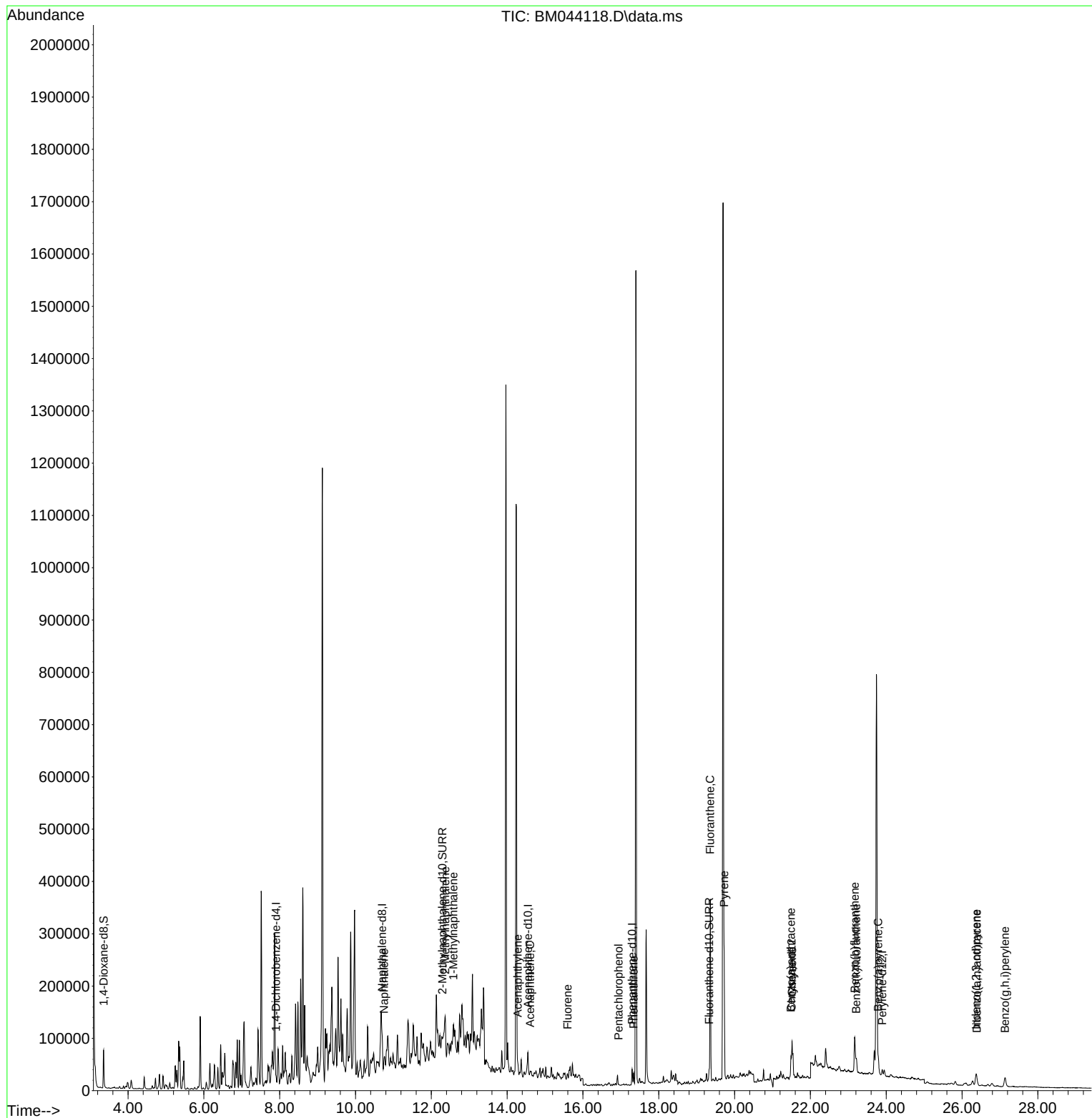
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044118.D
Acq On : 16 Feb 2024 01:50
Operator : MA/JU
Sample : P1329-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

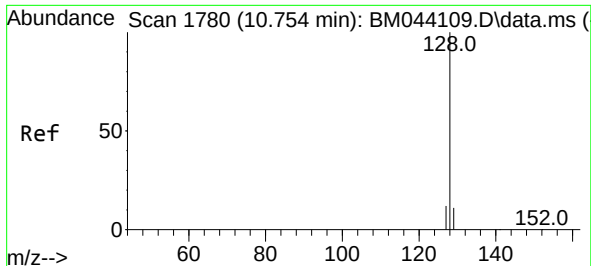
Instrument :
BNA_M
ClientSampleId :
C0FR7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024

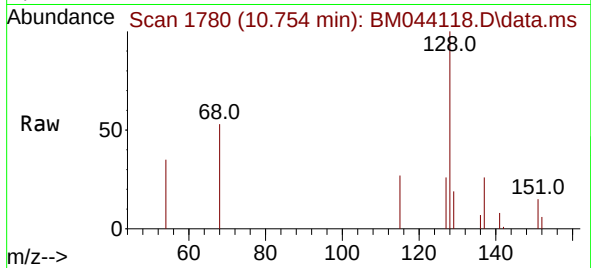
Quant Time: Feb 17 02:56:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.348 ng/u1
RT: 10.754 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BM044118.D
Acq: 16 Feb 2024 01:50

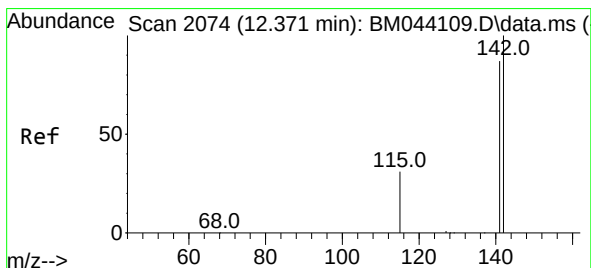
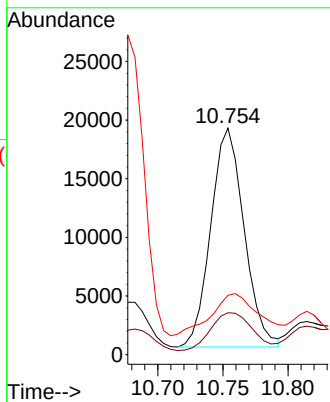
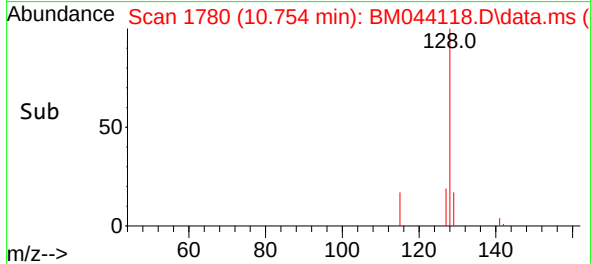
Instrument :
BNA_M
ClientSampleId :
C0FR7



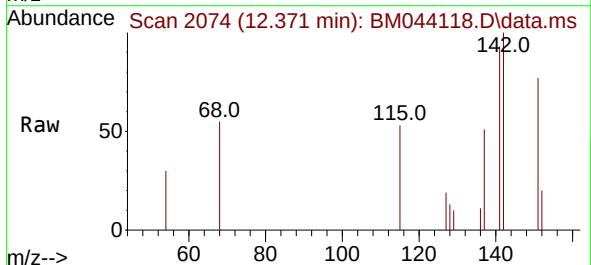
Tgt Ion:128 Resp: 3332
Ion Ratio Lower Upper
128 100
129 18.5 9.5 14.3
127 26.2 10.7 16.1

Manual Integrations
APPROVED

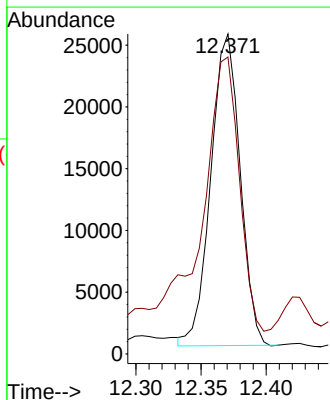
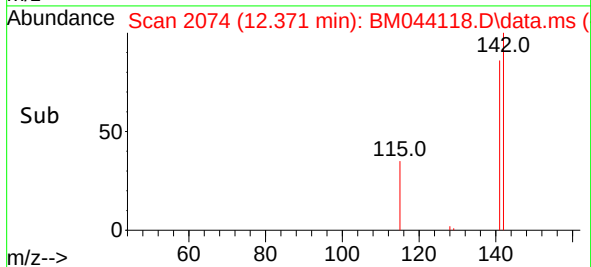
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024

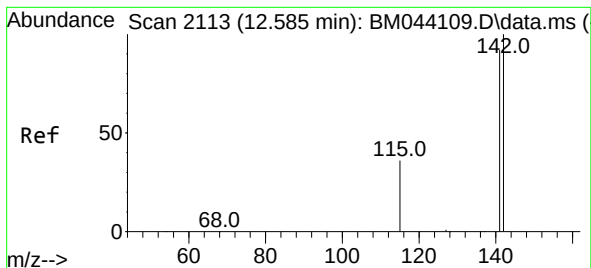


#7
2-Methylnaphthalene
Concen: 0.670 ng/u1
RT: 12.371 min Scan# 2074
Delta R.T. 0.000 min
Lab File: BM044118.D
Acq: 16 Feb 2024 01:50



Tgt Ion:142 Resp: 39523
Ion Ratio Lower Upper
142 100
141 116.7 70.0 105.0#





#8

1-Methylnaphthalene

Concen: 0.592 ng/ul

RT: 12.585 min Scan# 2113

Delta R.T. -0.005 min

Lab File: BM044118.D

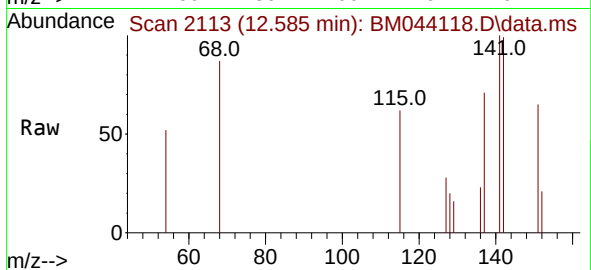
Acq: 16 Feb 2024 01:50

Instrument :

BNA_M

ClientSampleId :

C0FR7



Tgt Ion:142 Resp: 35354

Ion Ratio Lower Upper

142 100

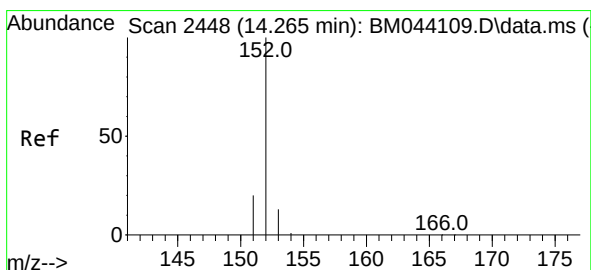
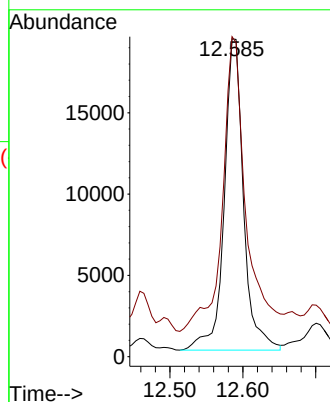
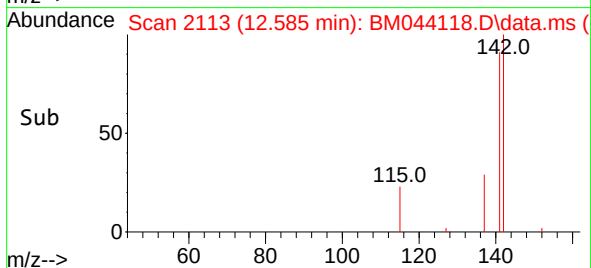
141 118.2 72.5 108.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/17/2024

Supervised By :mohammad ahmed 02/19/2024



#10

Acenaphthylene

Concen: 0.140 ng/ul

RT: 14.279 min Scan# 2451

Delta R.T. 0.009 min

Lab File: BM044118.D

Acq: 16 Feb 2024 01:50

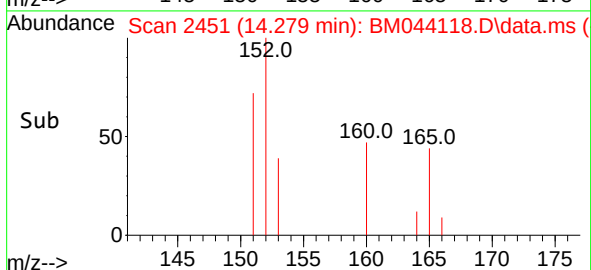
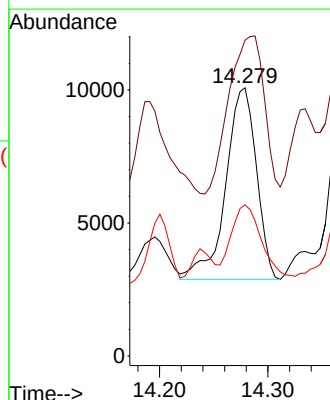
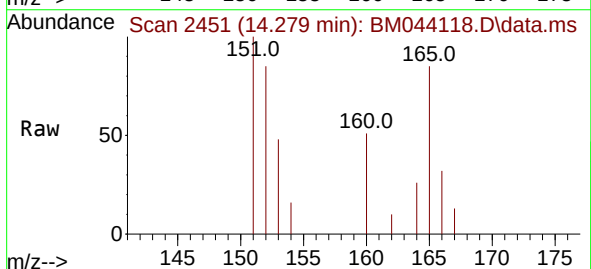
Tgt Ion:152 Resp: 14219

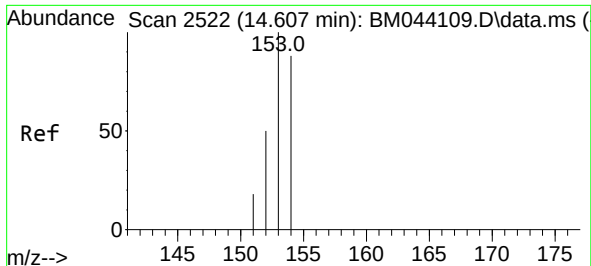
Ion Ratio Lower Upper

152 100

151 117.8 15.5 23.3#

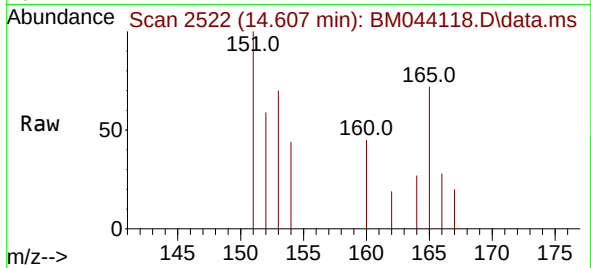
153 56.4 10.8 16.2#





#11
Acenaphthene
Concen: 0.066 ng/u1
RT: 14.607 min Scan# 2522
Delta R.T. 0.000 min
Lab File: BM044118.D
Acq: 16 Feb 2024 01:50

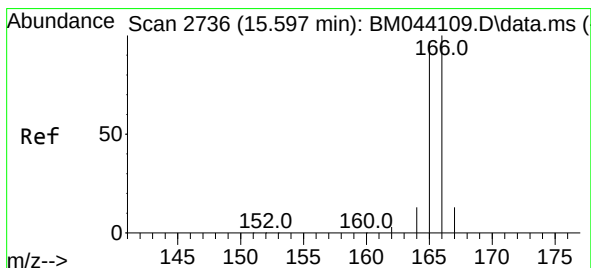
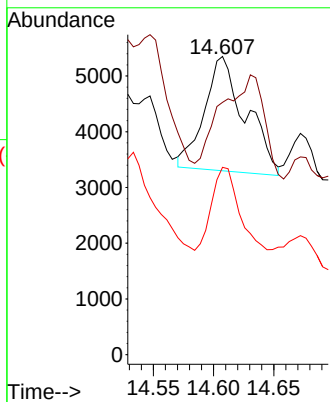
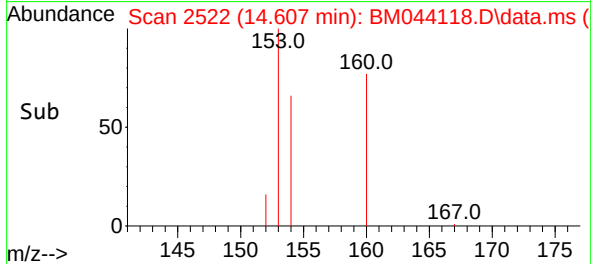
Instrument :
BNA_M
ClientSampleId :
C0FR7



Tgt Ion:153 Resp: 487
Ion Ratio Lower Upper
153 100
152 84.6 40.6 61.0#
154 62.8 70.1 105.1#

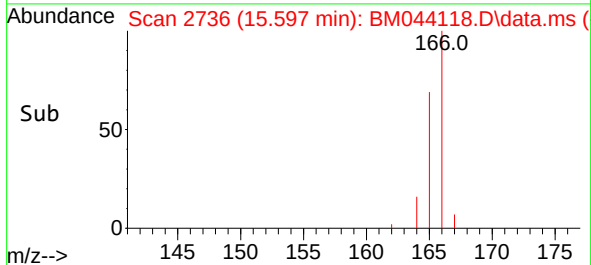
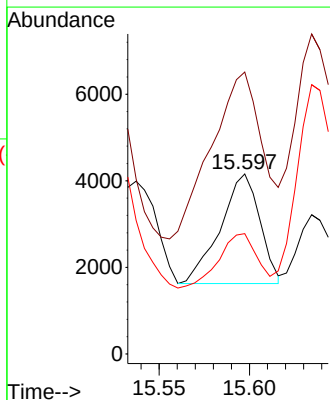
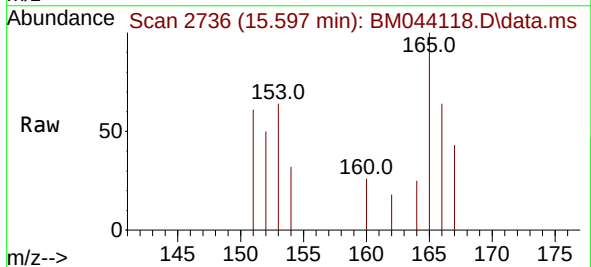
Manual Integrations
APPROVED

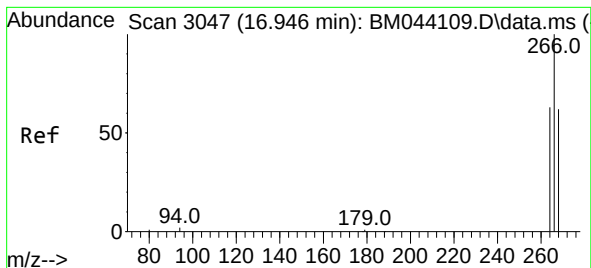
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



#12
Fluorene
Concen: 0.046 ng/u1
RT: 15.597 min Scan# 2736
Delta R.T. 0.000 min
Lab File: BM044118.D
Acq: 16 Feb 2024 01:50

Tgt Ion:166 Resp: 3848
Ion Ratio Lower Upper
166 100
165 156.6 79.8 119.6#
167 66.8 11.1 16.7#





#14

Pentachlorophenol

Concen: 0.074 ng/ul

RT: 16.942 min Scan# 3047

Delta R.T. -0.004 min

Lab File: BM044118.D

Acq: 16 Feb 2024 01:50

Instrument :

BNA_M

ClientSampleId :

C0FR7

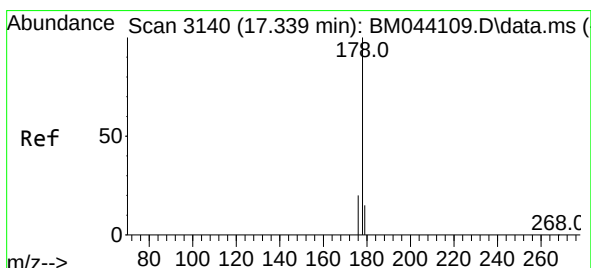
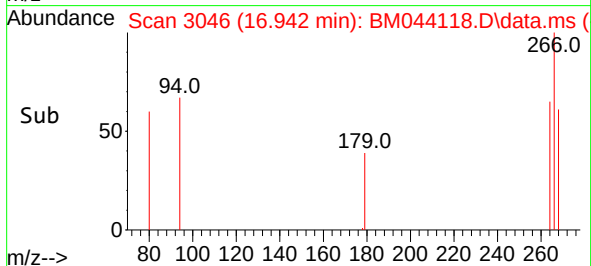
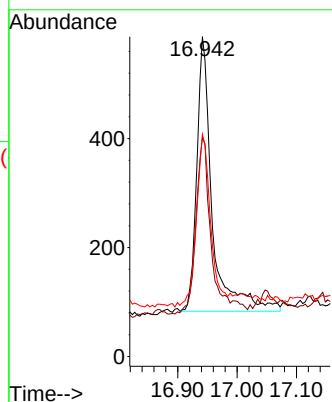
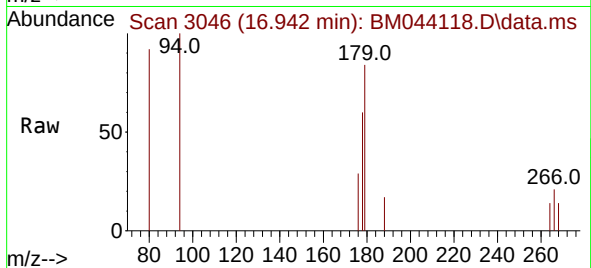
Tgt Ion:	266	Resp:	91
Ion Ratio	Lower	Upper	
266	100		
264	63.6	49.4	74.0
268	65.7	52.1	78.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/17/2024

Supervised By :mohammad ahmed 02/19/2024



#15

Phenanthrene

Concen: 0.234 ng/ul m

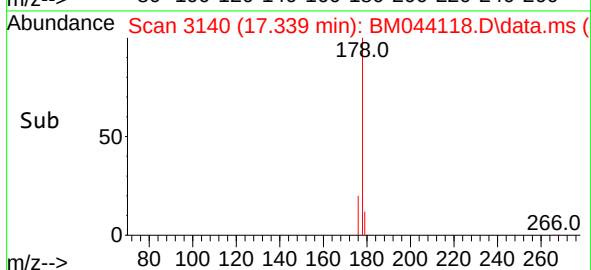
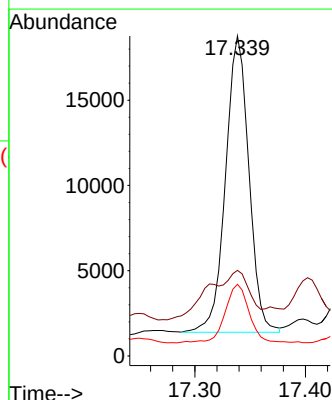
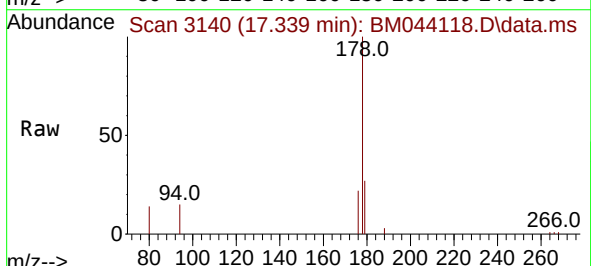
RT: 17.339 min Scan# 3140

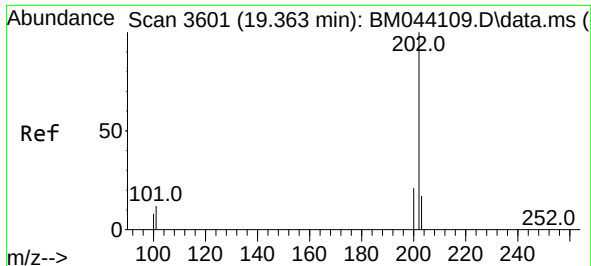
Delta R.T. 0.000 min

Lab File: BM044118.D

Acq: 16 Feb 2024 01:50

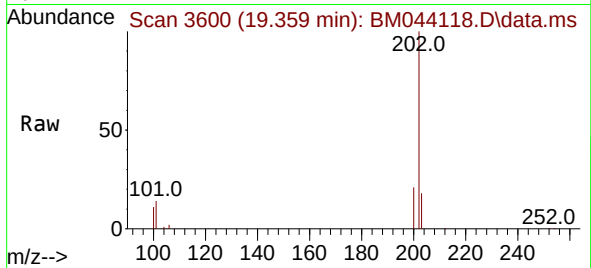
Tgt Ion:	178	Resp:	25509
Ion Ratio	Lower	Upper	
178	100		
179	26.8	12.6	19.0
176	22.4	16.0	24.0





#19
Fluoranthene
Concen: 3.782 ng/ul m
RT: 19.359 min Scan# 3600
Delta R.T. -0.005 min
Lab File: BM044118.D
Acq: 16 Feb 2024 01:50

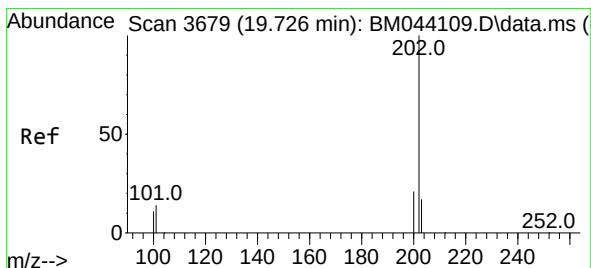
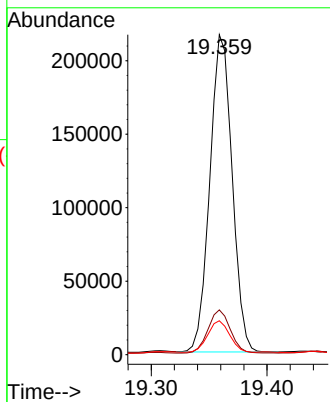
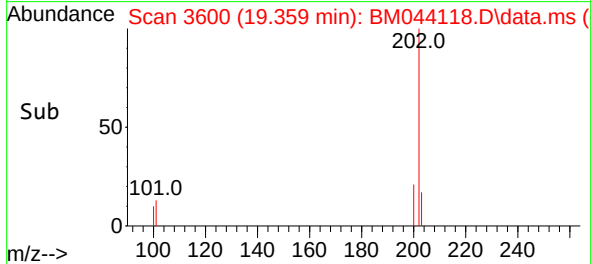
Instrument :
BNA_M
ClientSampleId :
C0FR7



Tgt Ion:202 Resp: 288920
Ion Ratio Lower Upper
202 100
101 14.0 9.8 14.6
100 10.6 7.0 10.4

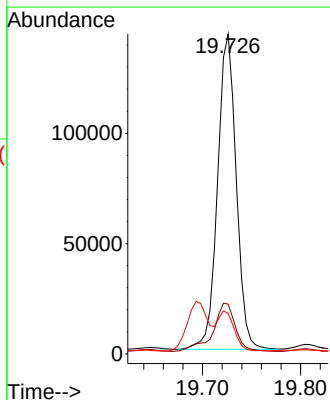
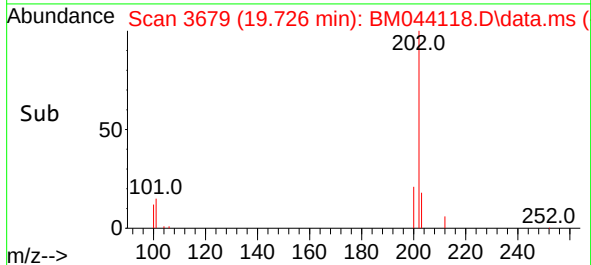
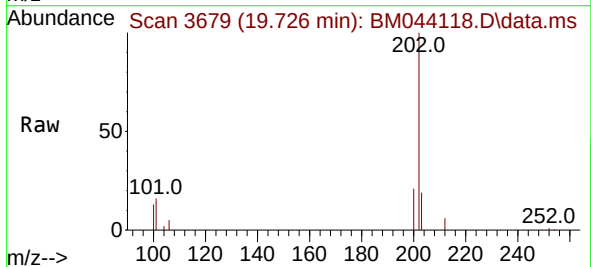
Manual Integrations
APPROVED

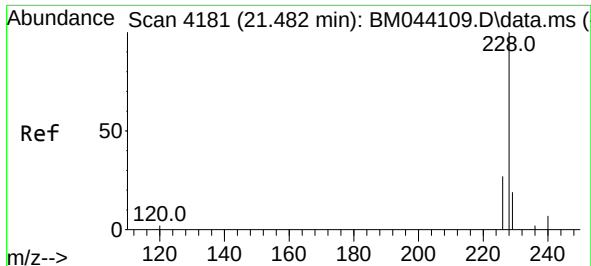
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



#20
Pyrene
Concen: 2.357 ng/ul
RT: 19.726 min Scan# 3679
Delta R.T. 0.000 min
Lab File: BM044118.D
Acq: 16 Feb 2024 01:50

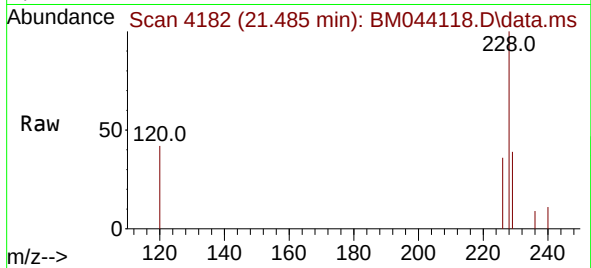
Tgt Ion:202 Resp: 189367
Ion Ratio Lower Upper
202 100
101 15.6 11.2 16.8
100 12.7 8.6 13.0





#21
Benzo(a)anthracene
Concen: 0.482 ng/ul m
RT: 21.485 min Scan# 4181
Delta R.T. 0.000 min
Lab File: BM044118.D
Acq: 16 Feb 2024 01:50

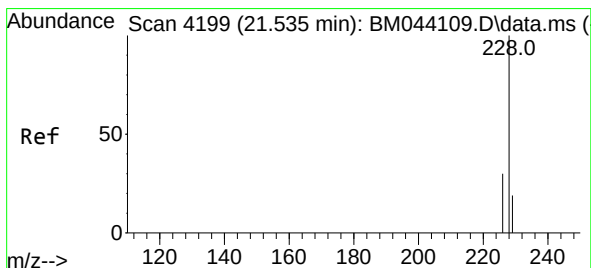
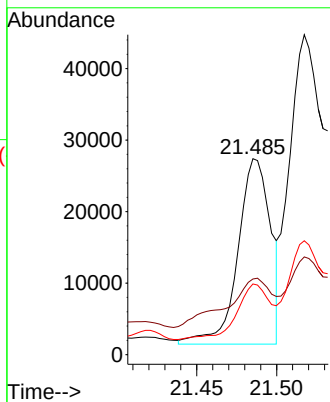
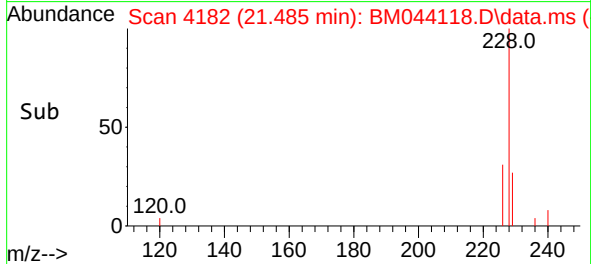
Instrument :
BNA_M
ClientSampleId :
C0FR7



Tgt Ion:228 Resp: 36950
Ion Ratio Lower Upper
228 100
229 38.6 15.4 23.2
226 36.1 22.1 33.1

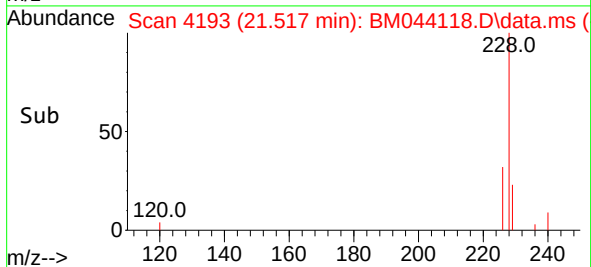
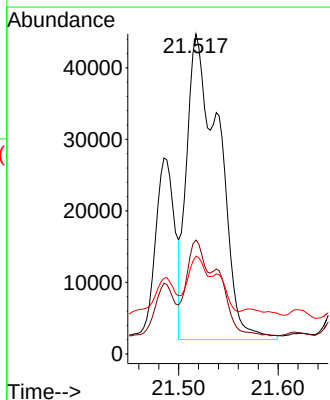
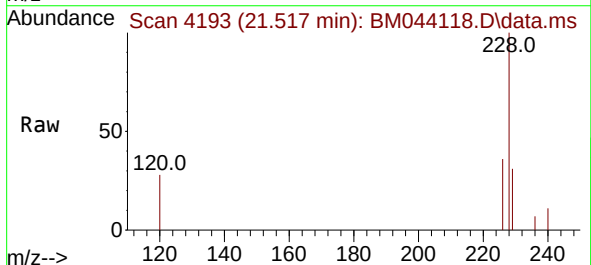
Manual Integrations
APPROVED

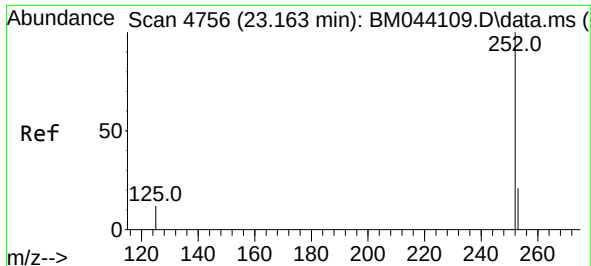
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



#22
Chrysene
Concen: 1.162 ng/ul m
RT: 21.517 min Scan# 4193
Delta R.T. -0.020 min
Lab File: BM044118.D
Acq: 16 Feb 2024 01:50

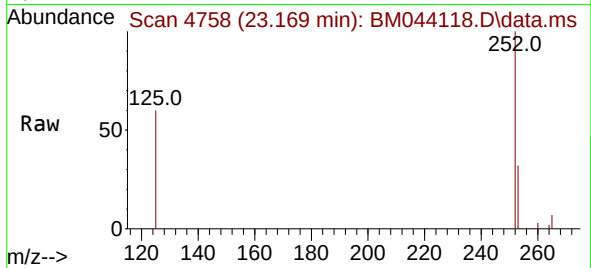
Tgt Ion:228 Resp: 96119
Ion Ratio Lower Upper
228 100
226 35.6 24.2 36.2
229 30.5 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 1.489 ng/ul m
RT: 23.169 min Scan# 4756
Delta R.T. 0.006 min
Lab File: BM044118.D
Acq: 16 Feb 2024 01:50

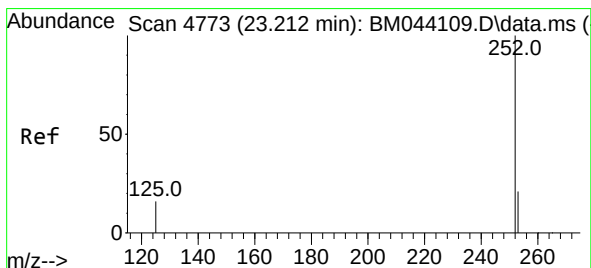
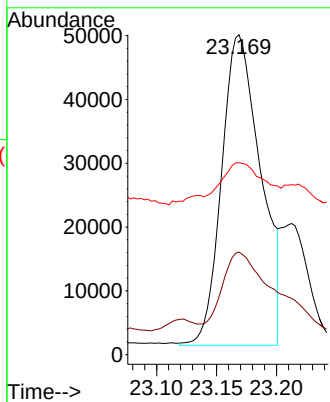
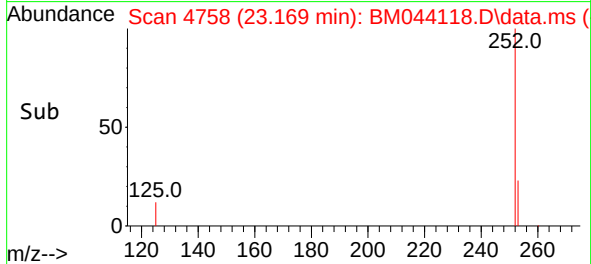
Instrument :
BNA_M
ClientSampleId :
C0FR7



Tgt Ion:252 Resp: 110554
Ion Ratio Lower Upper
252 100
253 32.1 0.0 50.0
125 60.0 0.0 28.2

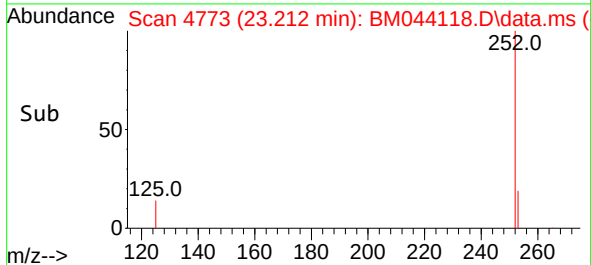
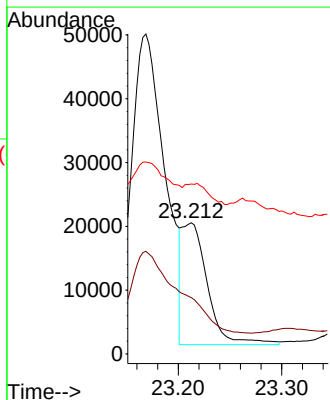
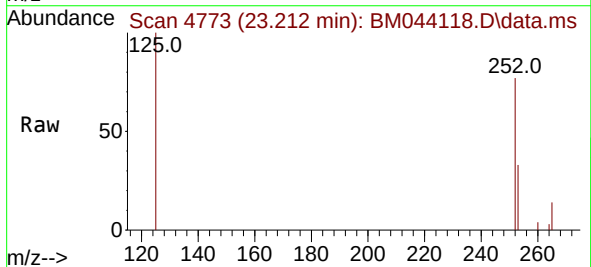
Manual Integrations
APPROVED

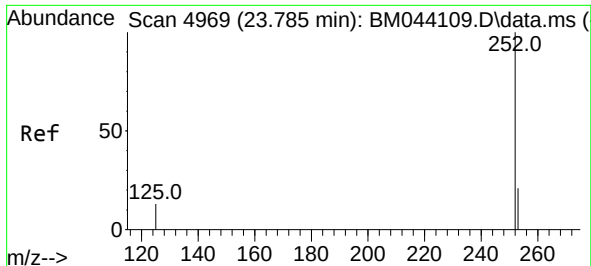
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



#25
Benzo(k)fluoranthene
Concen: 0.405 ng/ul m
RT: 23.212 min Scan# 4773
Delta R.T. 0.000 min
Lab File: BM044118.D
Acq: 16 Feb 2024 01:50

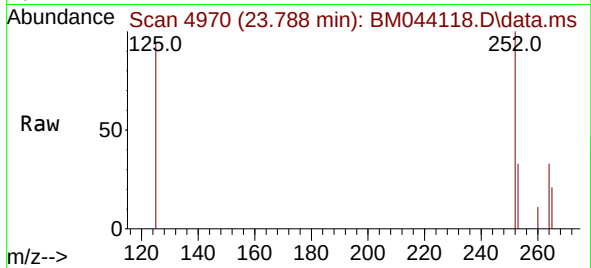
Tgt Ion:252 Resp: 32638
Ion Ratio Lower Upper
252 100
253 43.0 20.1 30.1#
125 129.6 12.3 18.5#





#26
Benzo(a)pyrene
Concen: 0.613 ng/ul m
RT: 23.788 min Scan# 4969
Delta R.T. 0.003 min
Lab File: BM044118.D
Acq: 16 Feb 2024 01:50

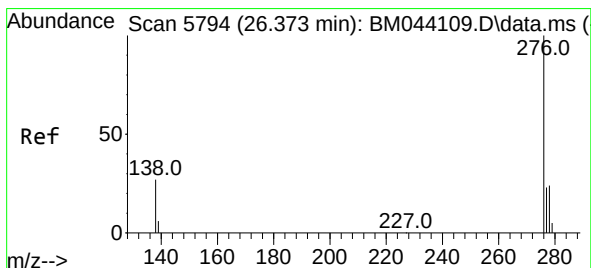
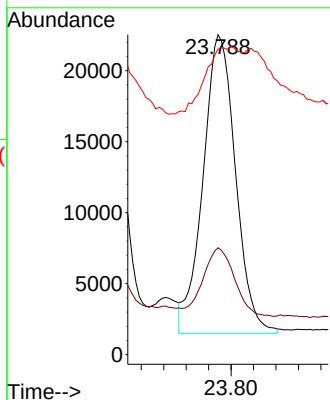
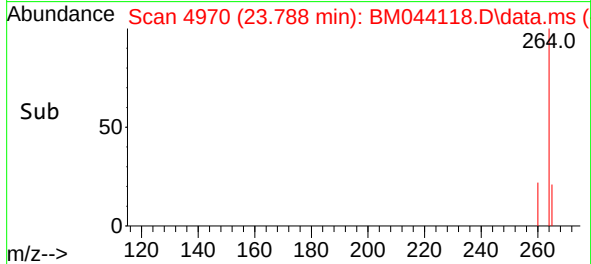
Instrument :
BNA_M
ClientSampleId :
C0FR7



Tgt Ion:252 Resp: 4228
Ion Ratio Lower Upper
252 100
253 33.4 21.4 32.2
125 95.5 13.3 19.9

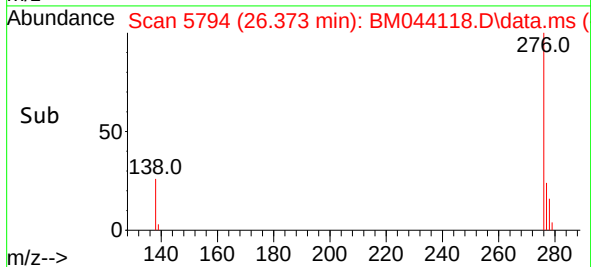
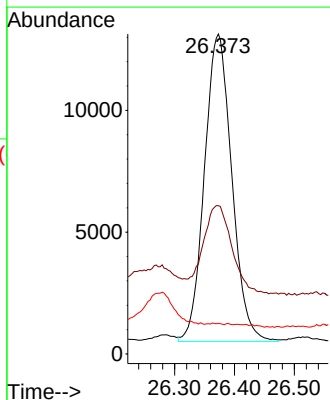
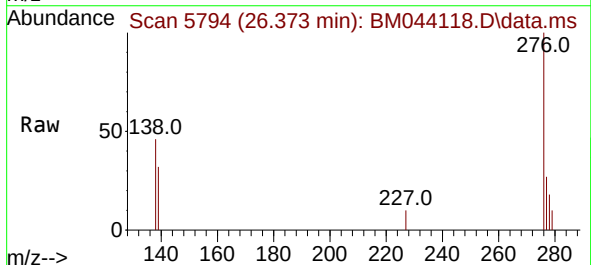
Manual Integrations
APPROVED

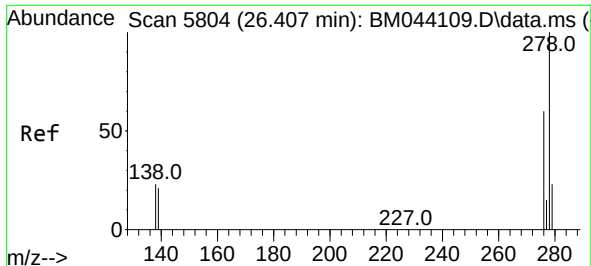
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.456 ng/ul m
RT: 26.373 min Scan# 5794
Delta R.T. 0.003 min
Lab File: BM044118.D
Acq: 16 Feb 2024 01:50

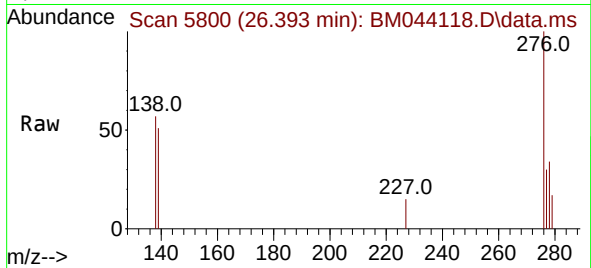
Tgt Ion:276 Resp: 40031
Ion Ratio Lower Upper
276 100
138 4.0 25.2 37.8#
227 2.3 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.148 ng/ul m
RT: 26.393 min Scan# 5804
Delta R.T. -0.017 min
Lab File: BM044118.D
Acq: 16 Feb 2024 01:50

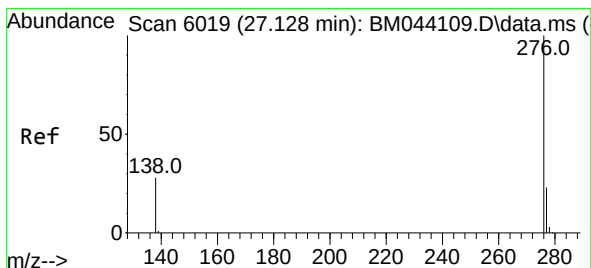
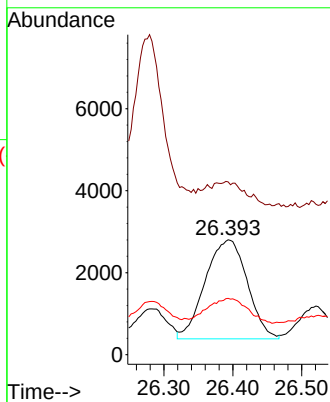
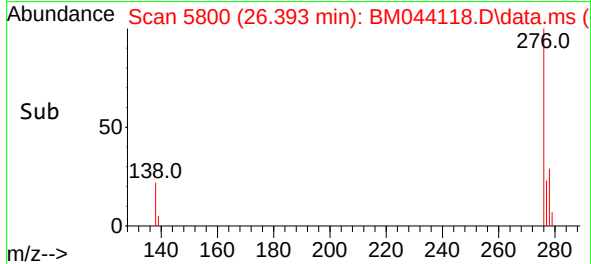
Instrument :
BNA_M
ClientSampleId :
C0FR7



Tgt Ion:278 Resp: 1024
Ion Ratio Lower Upper
278 100
139 150.4 17.8 26.8
279 49.0 21.8 32.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



#29
Benzo(g,h,i)perylene
Concen: 0.490 ng/ul m
RT: 27.134 min Scan# 6021
Delta R.T. 0.007 min
Lab File: BM044118.D
Acq: 16 Feb 2024 01:50

Tgt Ion:276 Resp: 38062
Ion Ratio Lower Upper
276 100
138 46.5 22.7 34.1#
277 27.0 19.0 28.6

