

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072224\
 Data File : BM046752.D
 Acq On : 22 Jul 2024 15:21
 Operator : MA/JU
 Sample : P3238-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CH5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/23/2024

Quant Time: Jul 22 15:59:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 19 11:38:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.485	152	3265	0.400	ng/ul	0.00
4) Naphthalene-d8	10.244	136	8896	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.127	164	5827	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.884	188	12590	0.400	ng/ul	0.00
17) Chrysene-d12	21.093	240	10151	0.400	ng/ul	0.00
23) Perylene-d12	23.229	264	10331	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.109	96	6711	2.502	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.838	152	2718	0.189	ng/ul	0.00
18) Fluoranthene-d10	18.923	212	6085	0.197	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.293	128	846	0.037	ng/ul#	82
7) 2-Methylnaphthalene	11.915	142	365	0.023	ng/ul	99
10) Acenaphthylene	13.845	152	1715	0.065	ng/ul	94
11) Acenaphthene	14.187	153	514	0.029	ng/ul	96
12) Fluorene	15.187	166	576	0.026	ng/ul#	88
15) Phenanthrene	16.926	178	10936	0.304	ng/ul	99
16) Anthracene	17.015	178	2016	0.058	ng/ul#	90
19) Fluoranthene	18.956	202	22535	0.540	ng/ul	100
20) Pyrene	19.318	202	21465	0.475	ng/ul	98
21) Benzo(a)anthracene	21.079	228	10952	0.244	ng/ul	92
22) Chrysene	21.128	228	13400	0.308	ng/ul	96
24) Benzo(b)fluoranthene	22.598	252	18394m	0.446	ng/ul	
25) Benzo(k)fluoranthene	22.633	252	5607m	0.138	ng/ul	
26) Benzo(a)pyrene	23.136	252	10938	0.322	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	25.339	276	10150	0.196	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.343	278	2486	0.061	ng/ul#	29
29) Benzo(g,h,i)perylene	25.983	276	10381	0.252	ng/ul#	94

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

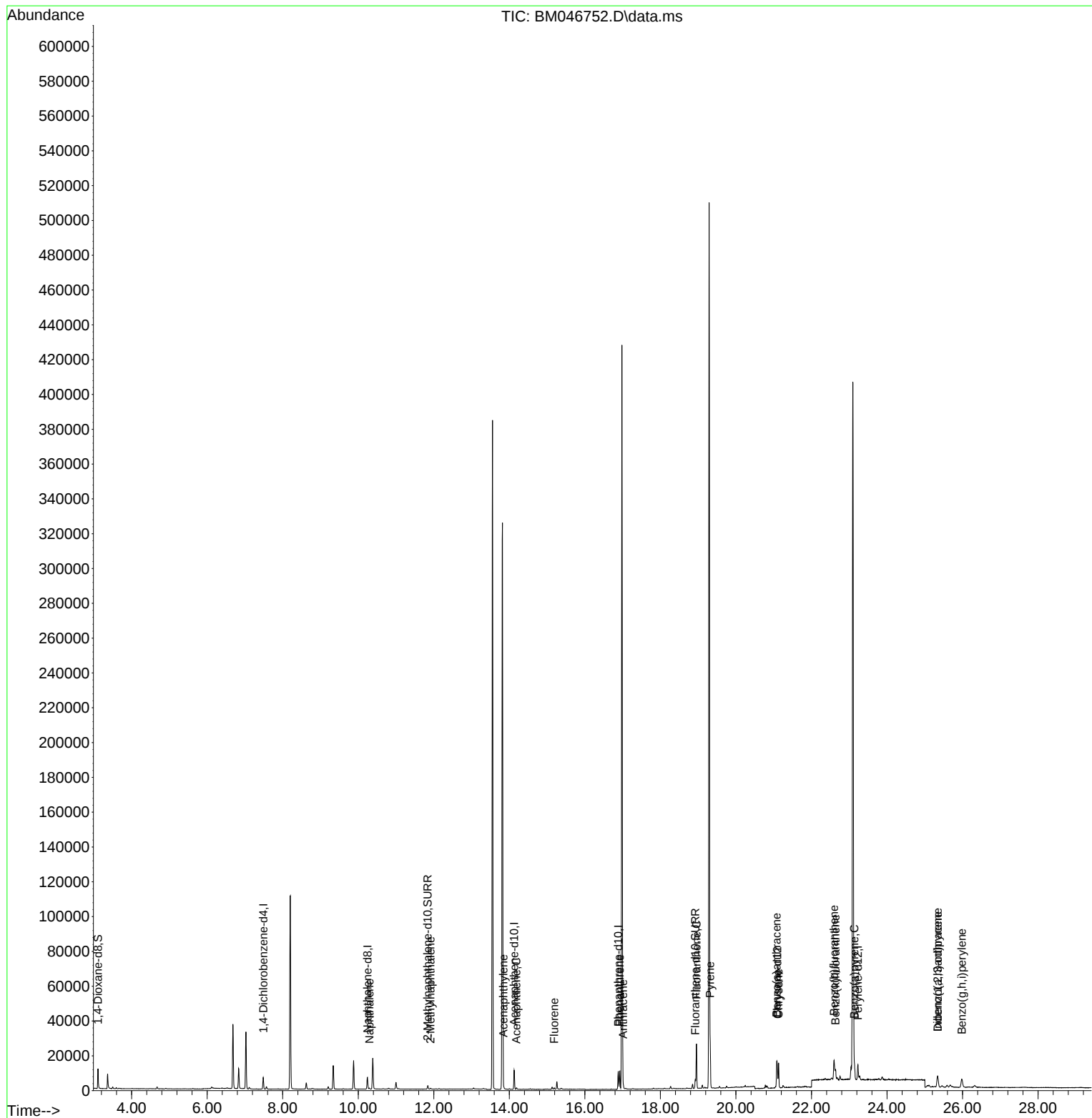
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072224\
Data File : BM046752.D
Acq On : 22 Jul 2024 15:21
Operator : MA/JU
Sample : P3238-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

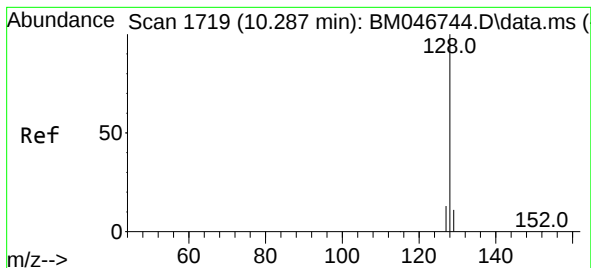
Instrument :
BNA_M
ClientSampleId :
A4CH5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024

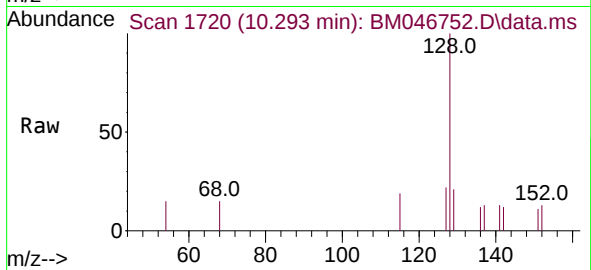
Quant Time: Jul 22 15:59:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 19 11:38:04 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.037 ng/ul
RT: 10.293 min Scan# 1719
Delta R.T. -0.004 min
Lab File: BM046752.D
Acq: 22 Jul 2024 15:21

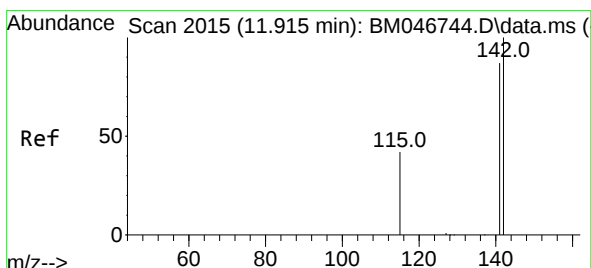
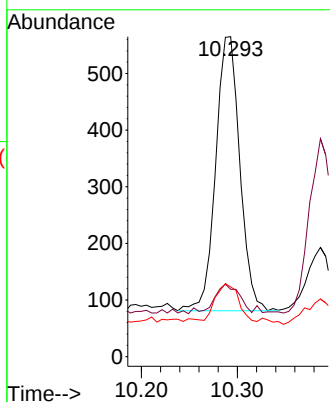
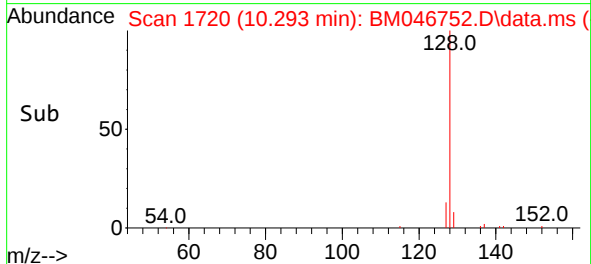
Instrument :
BNA_M
ClientSampleId :
A4CH5



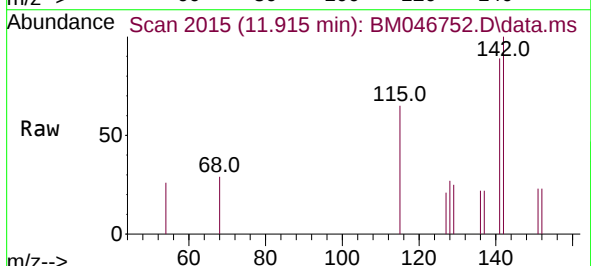
Tgt Ion:128 Resp: 840
Ion Ratio Lower Upper
128 100
129 21.1 10.3 15.5
127 21.8 12.2 18.4

Manual Integrations
APPROVED

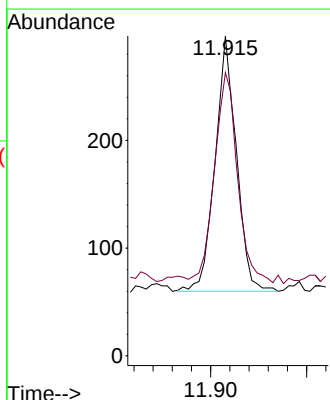
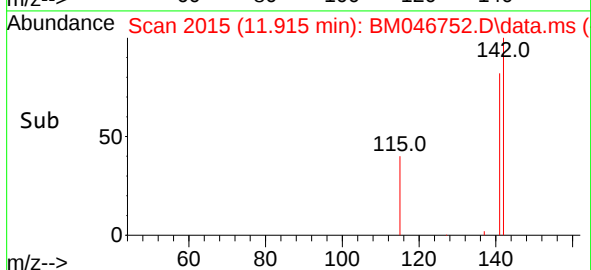
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024

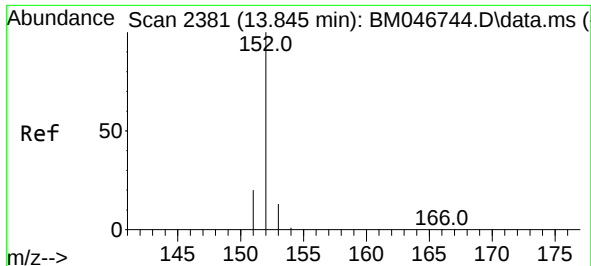


#7
2-Methylnaphthalene
Concen: 0.023 ng/ul
RT: 11.915 min Scan# 2015
Delta R.T. -0.004 min
Lab File: BM046752.D
Acq: 22 Jul 2024 15:21



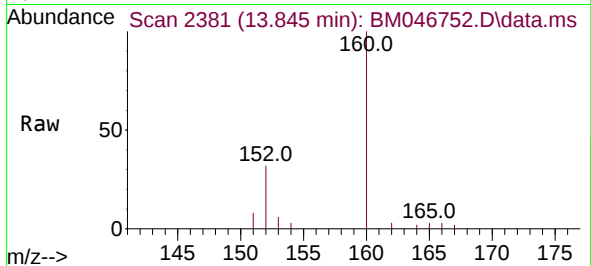
Tgt Ion:142 Resp: 365
Ion Ratio Lower Upper
142 100
141 88.8 70.3 105.5





#10
Acenaphthylene
Concen: 0.065 ng/u1
RT: 13.845 min Scan# 21
Delta R.T. -0.004 min
Lab File: BM046752.D
Acq: 22 Jul 2024 15:21

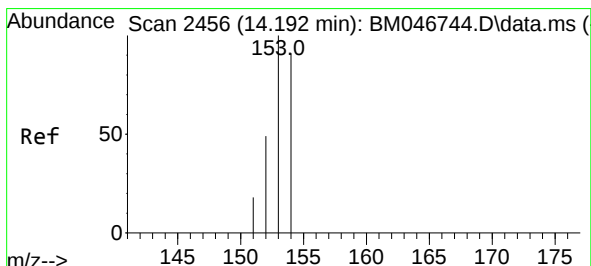
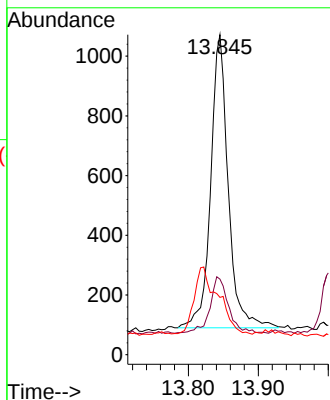
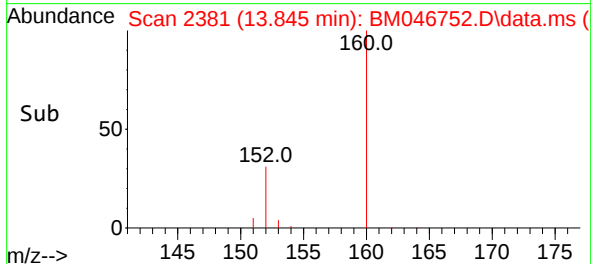
Instrument :
BNA_M
ClientSampleId :
A4CH5



Tgt Ion:152 Resp: 171
Ion Ratio Lower Upper
152 100
151 23.6 16.4 24.6
153 17.9 12.4 18.6

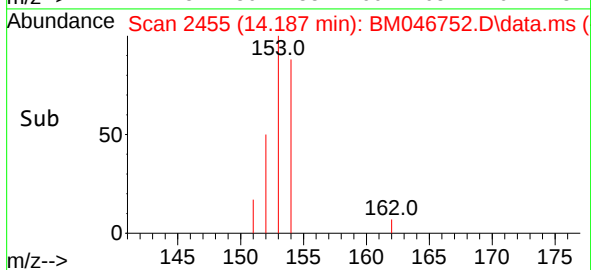
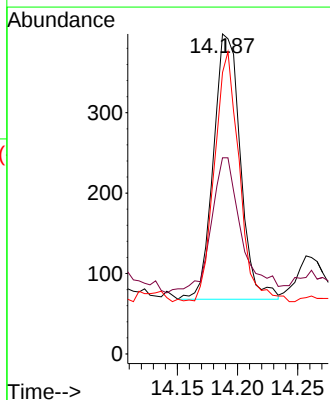
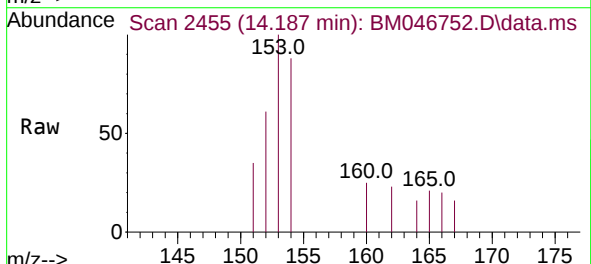
Manual Integrations
APPROVED

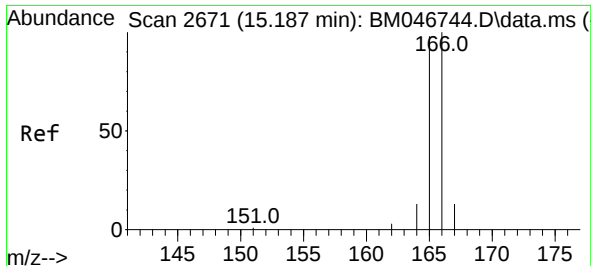
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



#11
Acenaphthene
Concen: 0.029 ng/u1
RT: 14.187 min Scan# 2455
Delta R.T. -0.008 min
Lab File: BM046752.D
Acq: 22 Jul 2024 15:21

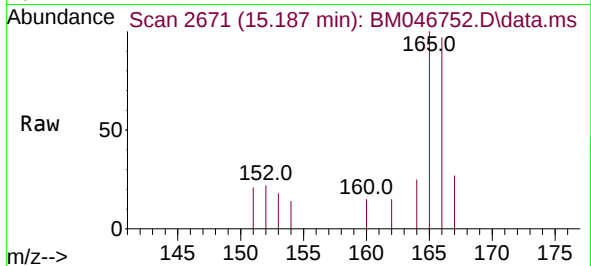
Tgt Ion:153 Resp: 514
Ion Ratio Lower Upper
153 100
152 61.3 43.0 64.6
154 87.9 69.9 104.9





#12
Fluorene
Concen: 0.026 ng/u1
RT: 15.187 min Scan# 2671
Delta R.T. -0.004 min
Lab File: BM046752.D
Acq: 22 Jul 2024 15:21

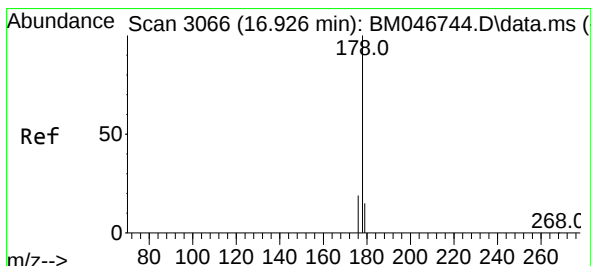
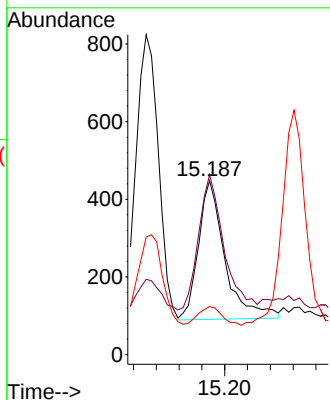
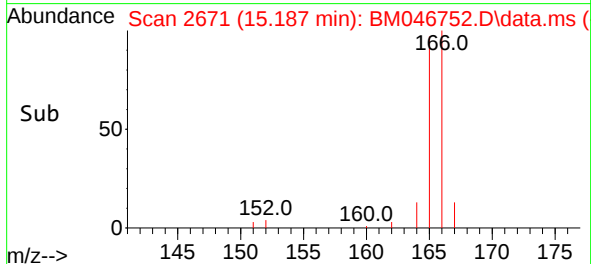
Instrument :
BNA_M
ClientSampleId :
A4CH5



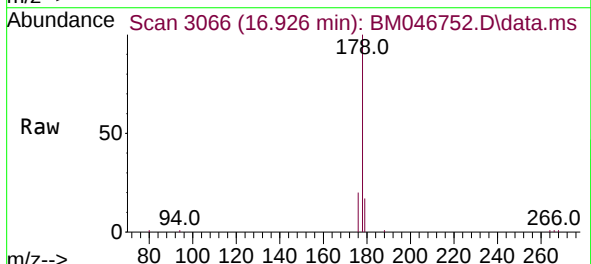
Tgt Ion:166 Resp: 570
Ion Ratio Lower Upper
166 100
165 103.6 76.1 114.1
167 27.7 12.5 18.7

Manual Integrations
APPROVED

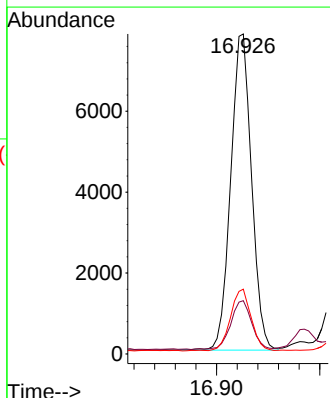
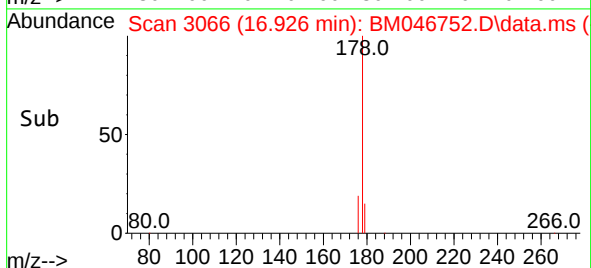
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024

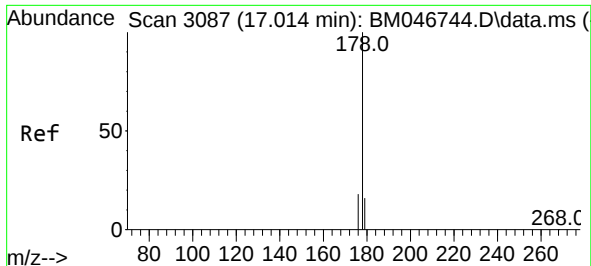


#15
Phenanthrene
Concen: 0.304 ng/u1
RT: 16.926 min Scan# 3066
Delta R.T. 0.001 min
Lab File: BM046752.D
Acq: 22 Jul 2024 15:21



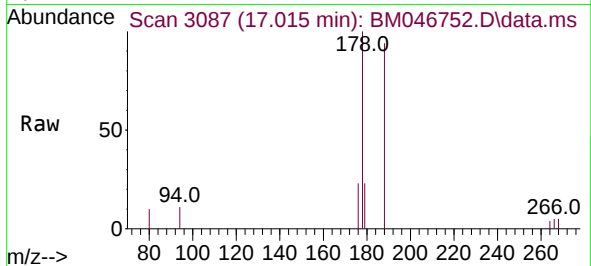
Tgt Ion:178 Resp: 10936
Ion Ratio Lower Upper
178 100
179 16.7 13.1 19.7
176 20.3 16.0 24.0





#16
 Anthracene
 Concen: 0.058 ng/u1
 RT: 17.015 min Scan# 3087
 Delta R.T. -0.003 min
 Lab File: BM046752.D
 Acq: 22 Jul 2024 15:21

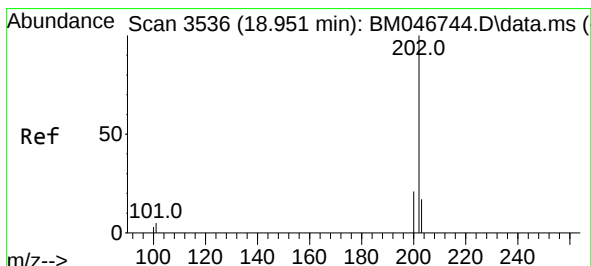
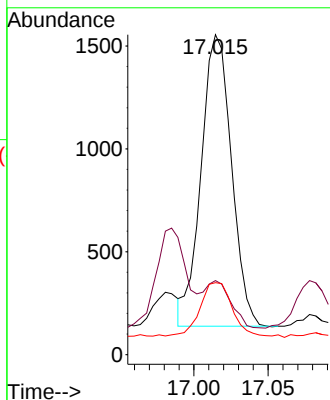
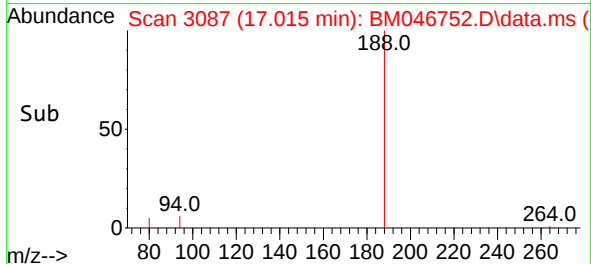
Instrument :
 BNA_M
 ClientSampleId :
 A4CH5



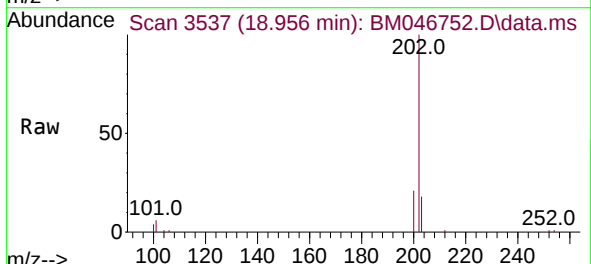
Tgt Ion:178 Resp: 2010
 Ion Ratio Lower Upper
 178 100
 179 23.2 13.5 20.3
 176 22.5 15.7 23.5

Manual Integrations
 APPROVED

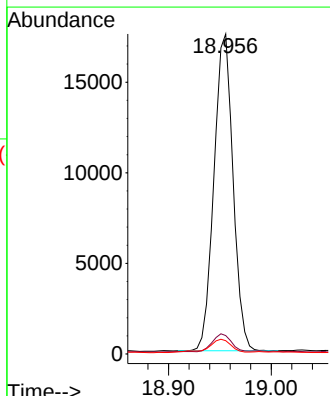
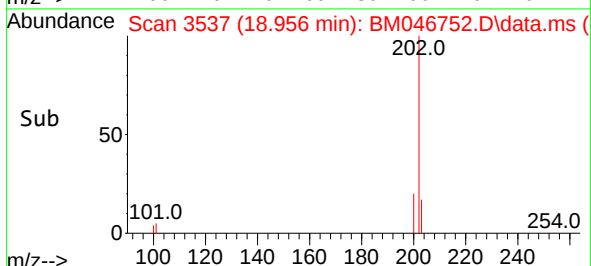
Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/23/2024

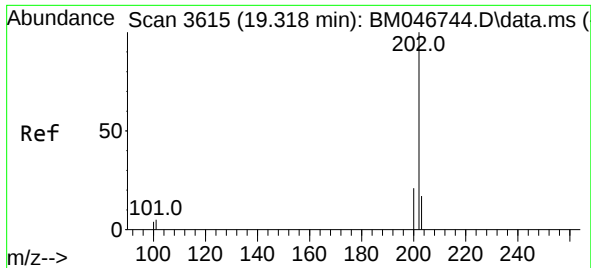


#19
 Fluoranthene
 Concen: 0.540 ng/u1
 RT: 18.956 min Scan# 3537
 Delta R.T. 0.001 min
 Lab File: BM046752.D
 Acq: 22 Jul 2024 15:21



Tgt Ion:202 Resp: 22535
 Ion Ratio Lower Upper
 202 100
 101 5.7 4.6 6.8
 100 4.1 3.0 4.6





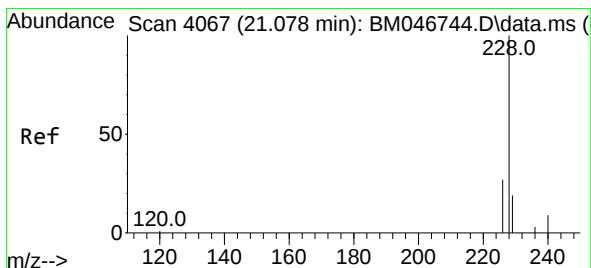
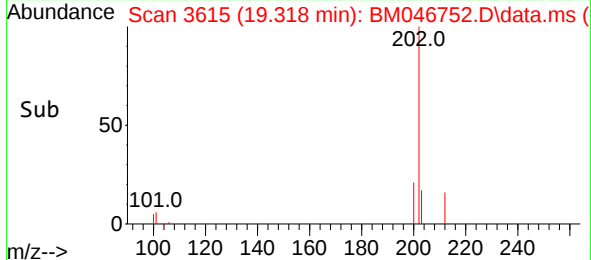
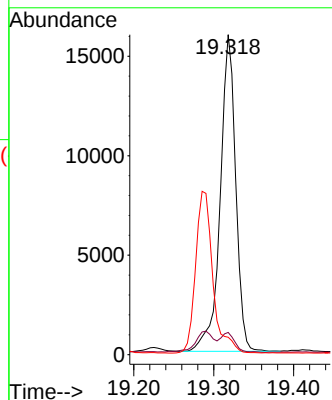
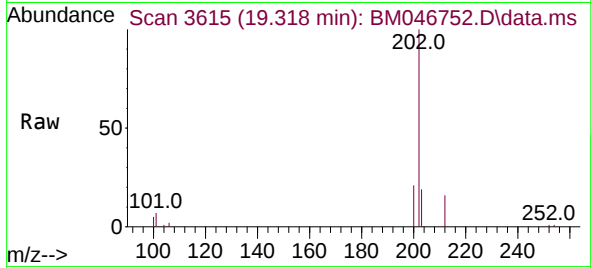
#20
Pyrene
Concen: 0.475 ng/uI
RT: 19.318 min Scan# 3615
Delta R.T. -0.004 min
Lab File: BM046752.D
Acq: 22 Jul 2024 15:21

Instrument :
BNA_M
ClientSampleId :
A4CH5

Tgt Ion:202 Resp: 2146
Ion Ratio Lower Upper
202 100
101 7.0 5.1 7.7
100 5.5 3.8 5.6

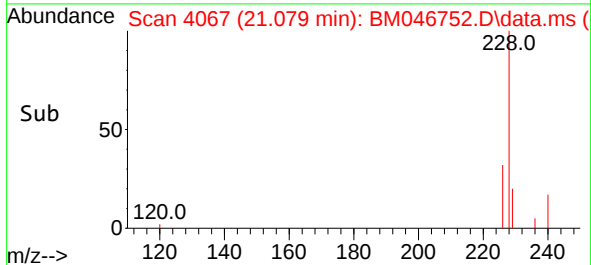
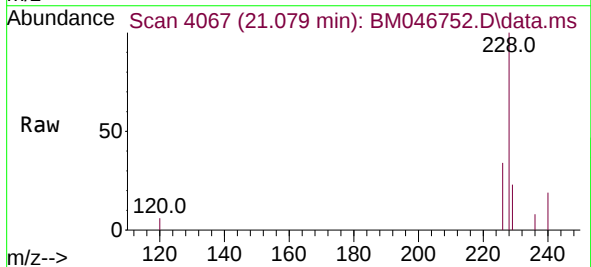
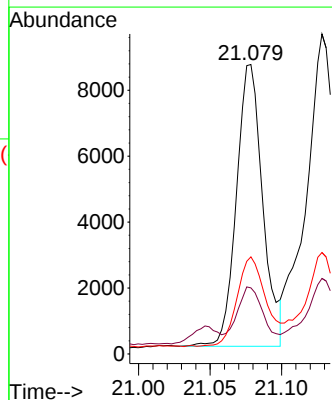
Manual Integrations
APPROVED

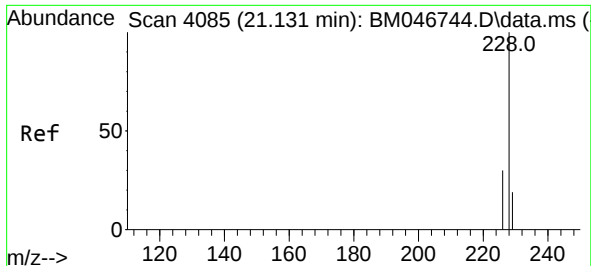
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



#21
Benzo(a)anthracene
Concen: 0.244 ng/uI
RT: 21.079 min Scan# 4067
Delta R.T. -0.001 min
Lab File: BM046752.D
Acq: 22 Jul 2024 15:21

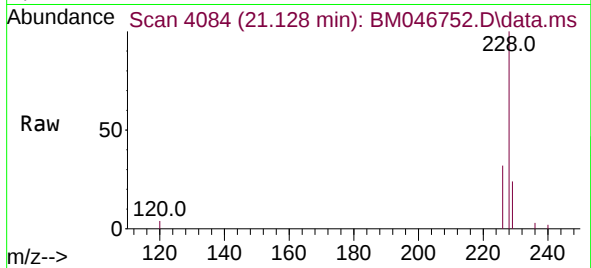
Tgt Ion:228 Resp: 10952
Ion Ratio Lower Upper
228 100
229 22.8 16.5 24.7
226 33.6 22.5 33.7





#22
Chrysene
Concen: 0.308 ng/ul
RT: 21.128 min Scan# 4084
Delta R.T. -0.004 min
Lab File: BM046752.D
Acq: 22 Jul 2024 15:21

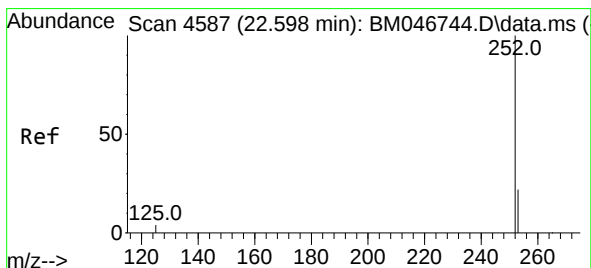
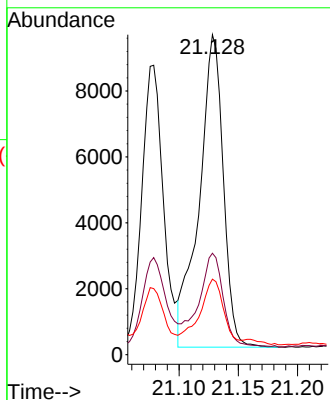
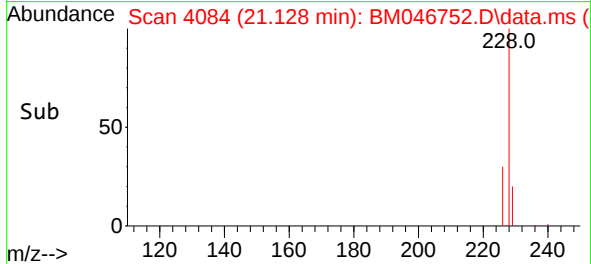
Instrument :
BNA_M
ClientSampleId :
A4CH5



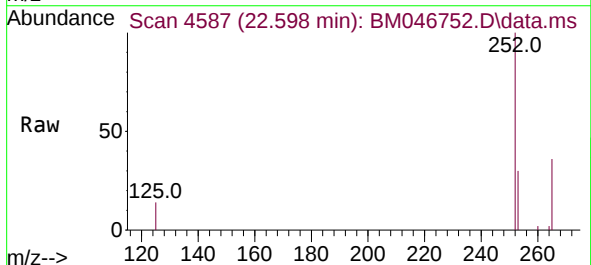
Tgt Ion:228 Resp: 13400
Ion Ratio Lower Upper
228 100
226 31.7 24.3 36.5
229 23.6 16.4 24.6

Manual Integrations
APPROVED

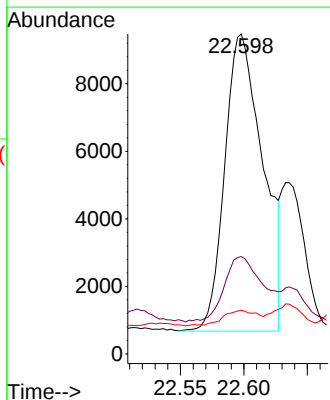
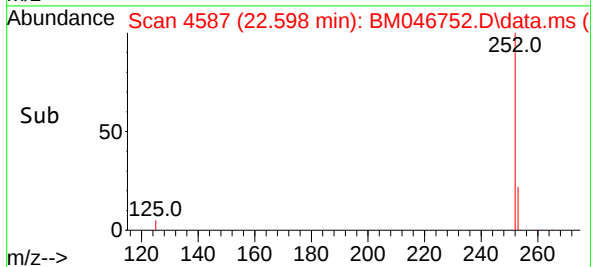
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024

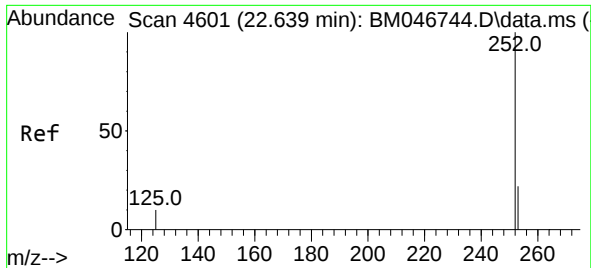


#24
Benzo(b)fluoranthene
Concen: 0.446 ng/ul m
RT: 22.598 min Scan# 4587
Delta R.T. -0.001 min
Lab File: BM046752.D
Acq: 22 Jul 2024 15:21



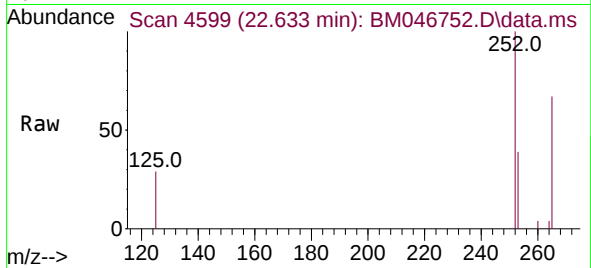
Tgt Ion:252 Resp: 18394
Ion Ratio Lower Upper
252 100
253 30.4 0.0 56.2
125 13.6 0.0 17.8





#25
Benzo(k)fluoranthene
Concen: 0.138 ng/ul m
RT: 22.633 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM046752.D
Acq: 22 Jul 2024 15:21

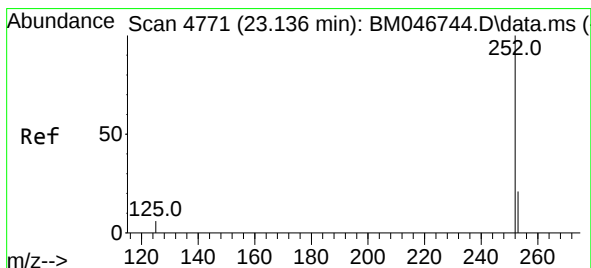
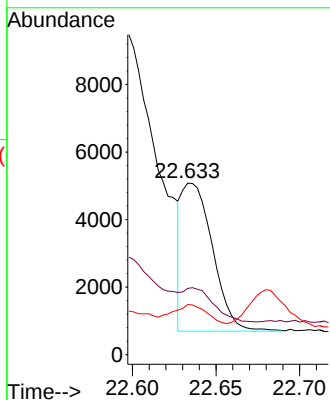
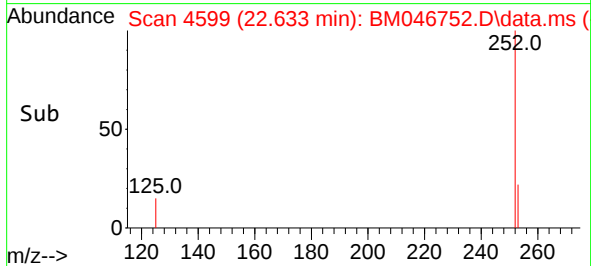
Instrument :
BNA_M
ClientSampleId :
A4CH5



Tgt Ion:252 Resp: 560
Ion Ratio Lower Upper
252 100
253 38.6 22.4 33.6
125 29.2 7.0 10.4

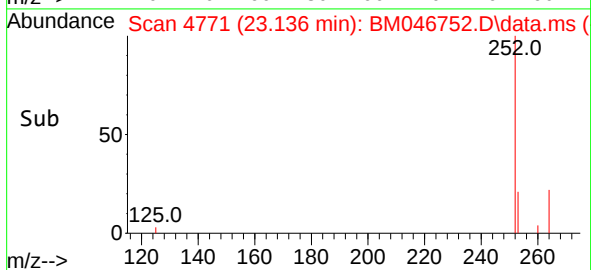
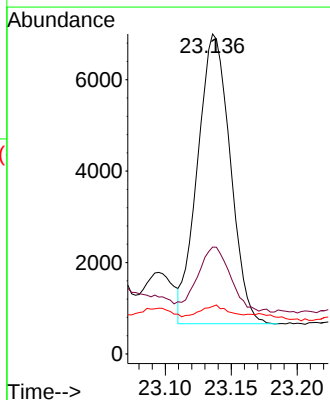
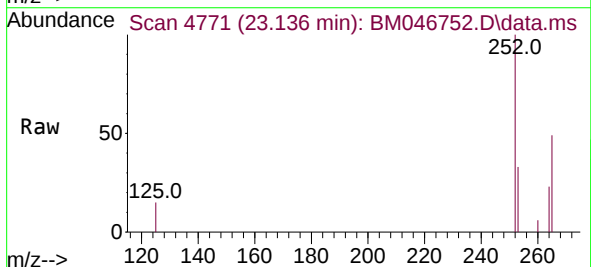
Manual Integrations
APPROVED

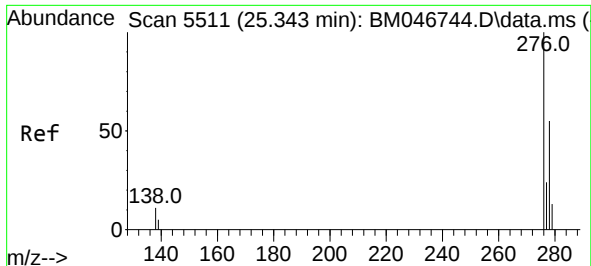
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



#26
Benzo(a)pyrene
Concen: 0.322 ng/ul
RT: 23.136 min Scan# 4771
Delta R.T. -0.004 min
Lab File: BM046752.D
Acq: 22 Jul 2024 15:21

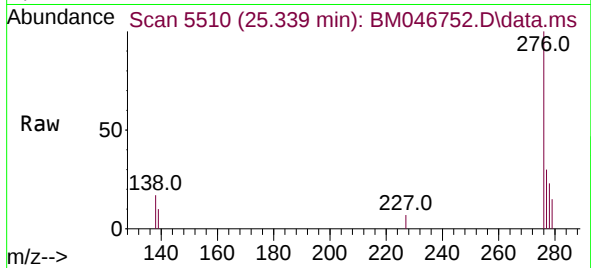
Tgt Ion:252 Resp: 10938
Ion Ratio Lower Upper
252 100
253 33.4 24.0 36.0
125 14.9 8.2 12.2





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.196 ng/ul
RT: 25.339 min Scan# 5510
Delta R.T. -0.007 min
Lab File: BM046752.D
Acq: 22 Jul 2024 15:21

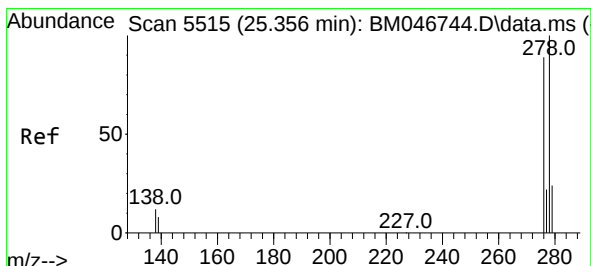
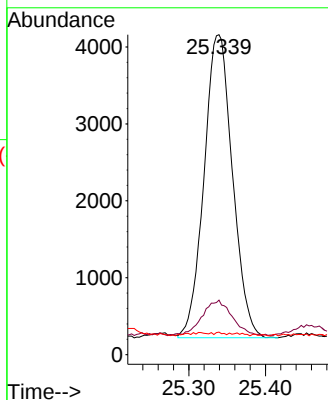
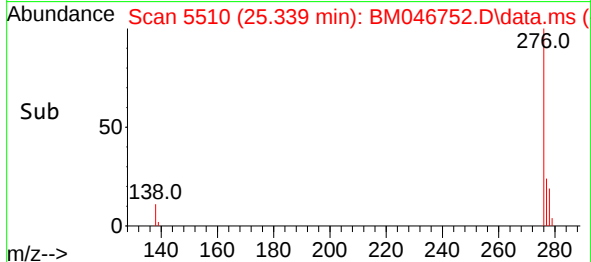
Instrument :
BNA_M
ClientSampleId :
A4CH5



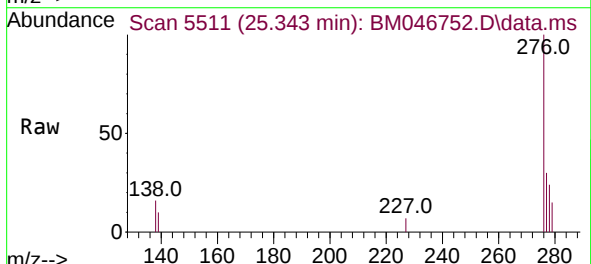
Tgt Ion: 276 Resp: 10150
Ion Ratio Lower Upper
276 100
138 12.4 0.0 0.0#
227 0.2 0.2 0.2

Manual Integrations
APPROVED

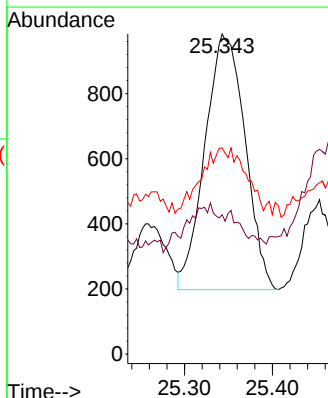
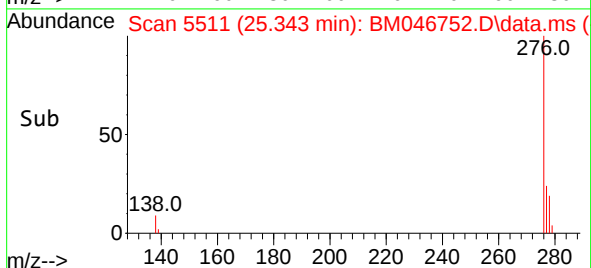
Reviewed By : Yogesh Patel 07/23/2024
Supervised By : mohammad ahmed 07/23/2024

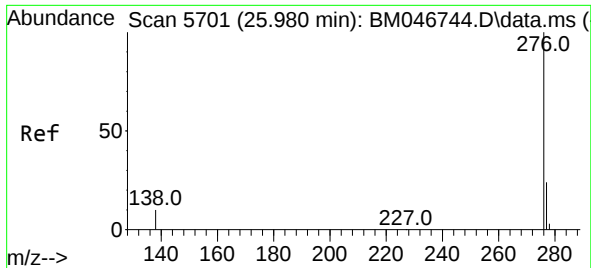


#28
Dibenzo(a,h)anthracene
Concen: 0.061 ng/ul
RT: 25.343 min Scan# 5511
Delta R.T. -0.017 min
Lab File: BM046752.D
Acq: 22 Jul 2024 15:21



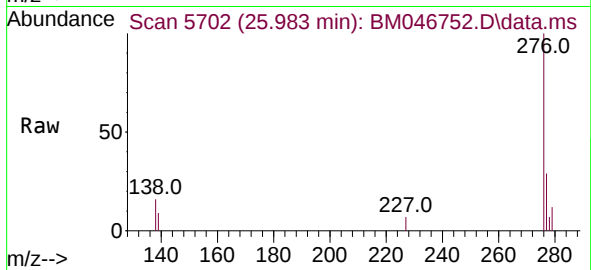
Tgt Ion: 278 Resp: 2486
Ion Ratio Lower Upper
278 100
139 43.5 9.1 13.7#
279 64.4 23.2 34.8#





#29
Benzo(g,h,i)perylene
Concen: 0.252 ng/ul
RT: 25.983 min Scan# 51
Delta R.T. -0.001 min
Lab File: BM046752.D
Acq: 22 Jul 2024 15:21

Instrument :
BNA_M
ClientSampleId :
A4CH5



Tgt Ion:276 Resp: 1038
Ion Ratio Lower Upper
276 100
138 16.1 10.2 15.4
277 28.5 20.9 31.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024

