

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045953.D
 Acq On : 10 Jun 2024 16:32
 Operator : MA/JU
 Sample : P2642-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BH8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/10/2024
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 17:28:18 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 07 22:59:16 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	4430	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.233	136	14016	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.104	164	7311	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.846	188	15834m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.041	240	12670m	0.400	ng/ul	-0.01
23) Perylene-d12	23.147	264	13416m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.054	96	18552	3.677	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.838	152	4316	0.214	ng/ul	0.00
18) Fluoranthene-d10	18.877	212	9356	0.247	ng/ul	-0.02
Target Compounds					Qvalue	
5) Naphthalene	10.277	128	5704	0.156	ng/ul	96
7) 2-Methylnaphthalene	11.915	142	4054	0.174	ng/ul	100
8) 1-Methylnaphthalene	12.135	142	4943	0.195	ng/ul	98
10) Acenaphthylene	13.822	152	8900	0.268	ng/ul	98
11) Acenaphthene	14.169	153	6017	0.246	ng/ul	100
12) Fluorene	15.159	166	7254	0.266	ng/ul	98
15) Phenanthrene	16.884	178	143435m	3.226	ng/ul	
16) Anthracene	16.977	178	20292m	0.535	ng/ul	
19) Fluoranthene	18.909	202	164724	3.260	ng/ul	96
20) Pyrene	19.272	202	176464	3.348	ng/ul	96
21) Benzo(a)anthracene	21.026	228	76589	1.647	ng/ul	97
22) Chrysene	21.076	228	91329	1.804	ng/ul	99
24) Benzo(b)fluoranthene	22.528	252	90448m	2.033	ng/ul	
25) Benzo(k)fluoranthene	22.563	252	36889m	0.754	ng/ul	
26) Benzo(a)pyrene	23.054	252	69741	1.576	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	25.209	276	47240	0.826	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.209	278	11900	0.260	ng/ul#	89
29) Benzo(g,h,i)perylene	25.836	276	50308	1.019	ng/ul	97

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

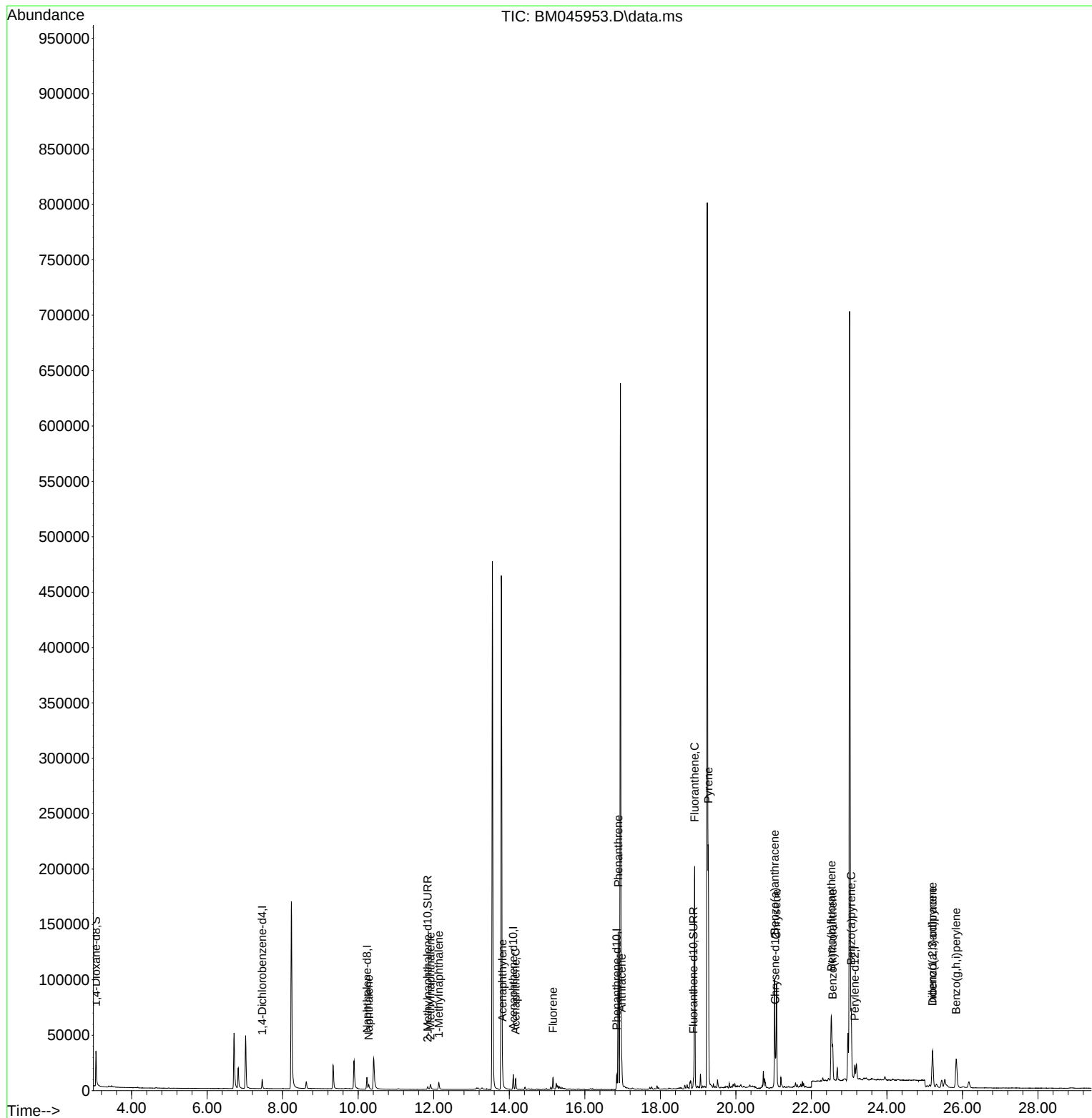
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045953.D
Acq On : 10 Jun 2024 16:32
Operator : MA/JU
Sample : P2642-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

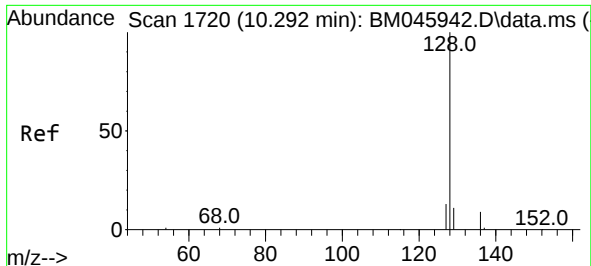
Instrument :
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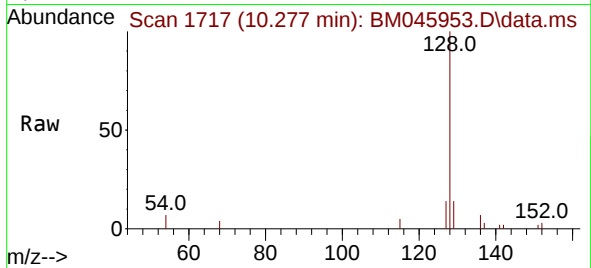
Quant Time: Jun 10 17:28:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.156 ng/ul
RT: 10.277 min Scan# 1717
Delta R.T. -0.026 min
Lab File: BM045953.D
Acq: 10 Jun 2024 16:32

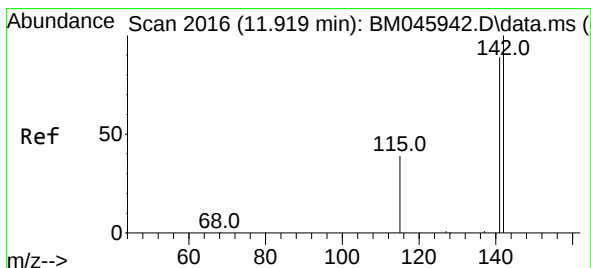
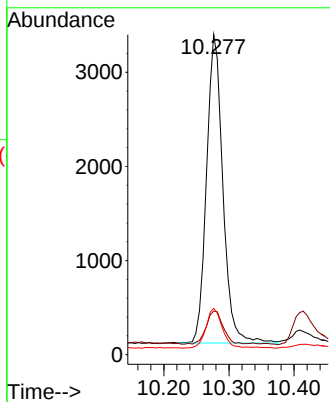
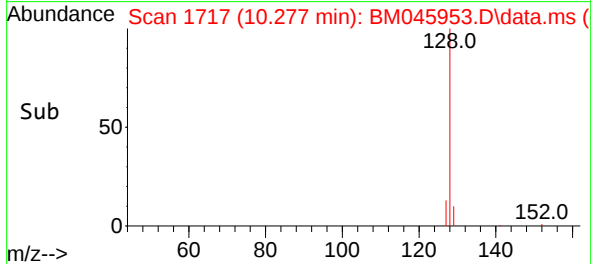
Instrument :
BNA_M
ClientSampleId :
A4BH8



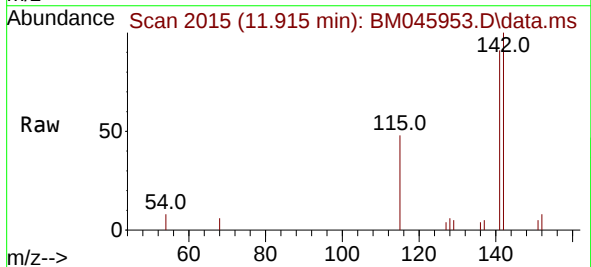
Tgt Ion:128 Resp: 5704
Ion Ratio Lower Upper
128 100
129 13.6 9.4 14.0
127 14.5 10.6 15.8

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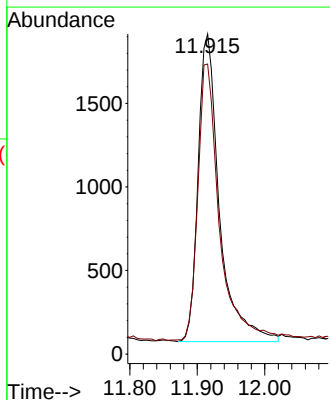
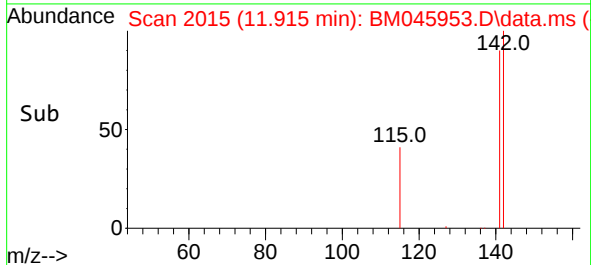
Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024

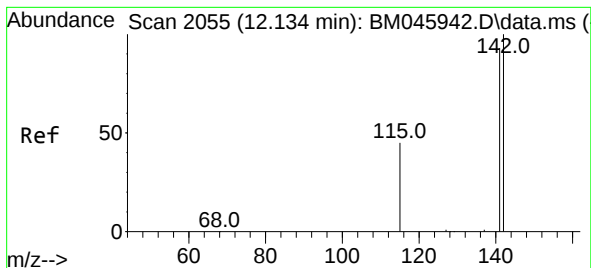


#7
2-Methylnaphthalene
Concen: 0.174 ng/ul
RT: 11.915 min Scan# 2015
Delta R.T. -0.004 min
Lab File: BM045953.D
Acq: 10 Jun 2024 16:32



Tgt Ion:142 Resp: 4054
Ion Ratio Lower Upper
142 100
141 90.0 72.2 108.4





#8

1-Methylnaphthalene

Concen: 0.195 ng/ul

RT: 12.135 min Scan# 2055

Delta R.T. -0.010 min

Lab File: BM045953.D

Acq: 10 Jun 2024 16:32

Instrument :

BNA_M

ClientSampleId :

A4BH8

Tgt Ion:142 Resp: 494

Ion Ratio Lower Upper

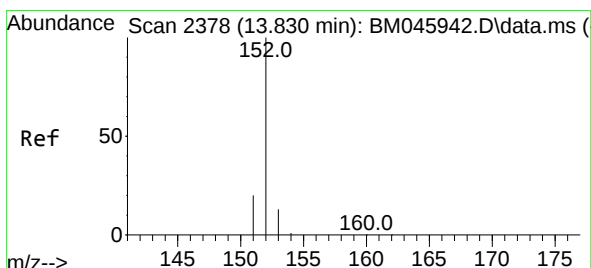
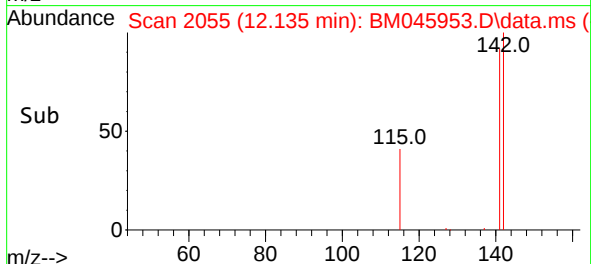
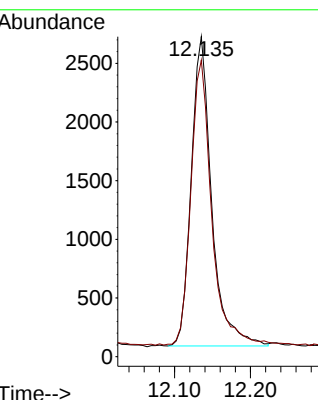
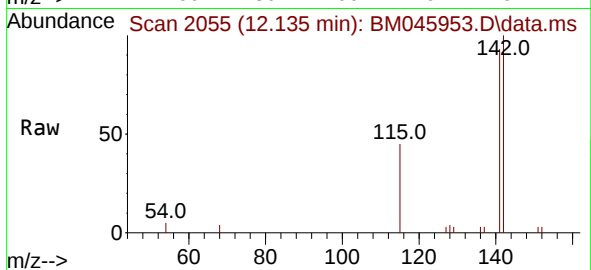
142 100

141 93.7 73.5 110.3

Manual Integrations

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Supervised By :mohammad ahmed 06/13/2024



#10

Acenaphthylene

Concen: 0.268 ng/ul

RT: 13.822 min Scan# 2376

Delta R.T. -0.017 min

Lab File: BM045953.D

Acq: 10 Jun 2024 16:32

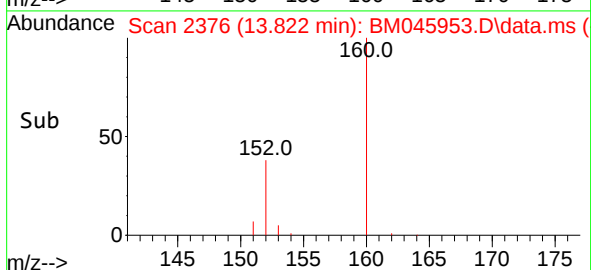
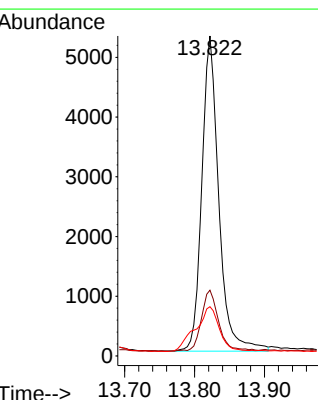
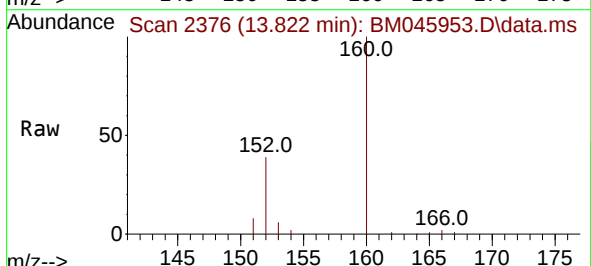
Tgt Ion:152 Resp: 8900

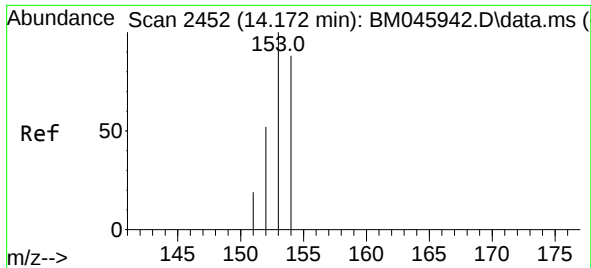
Ion Ratio Lower Upper

152 100

151 20.5 16.4 24.6

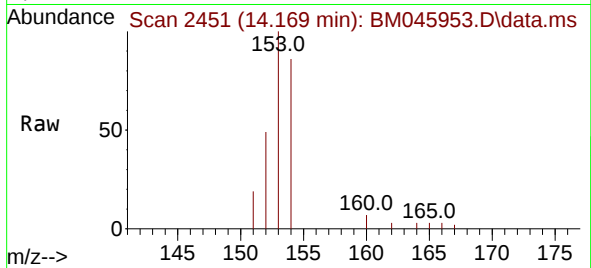
153 15.4 11.1 16.7





#11
Acenaphthene
Concen: 0.246 ng/u1
RT: 14.169 min Scan# 2451
Delta R.T. -0.013 min
Lab File: BM045953.D
Acq: 10 Jun 2024 16:32

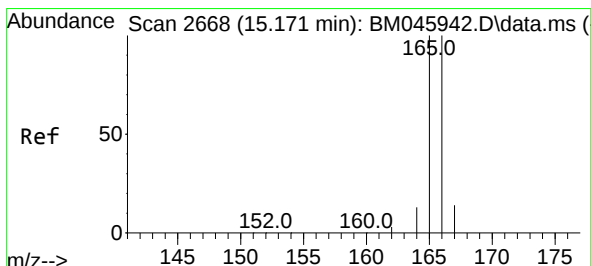
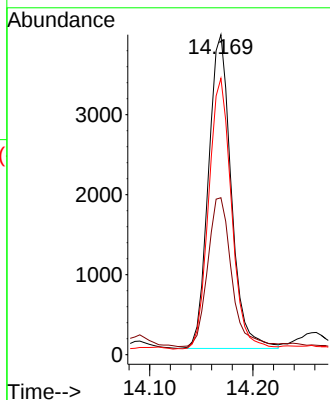
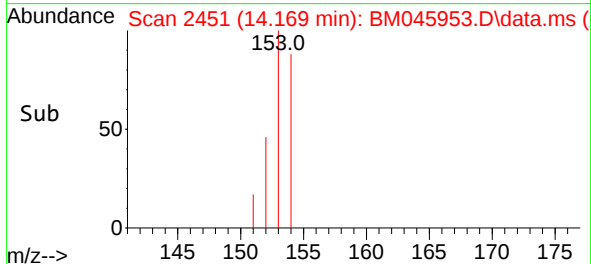
Instrument :
BNA_M
ClientSampleId :
A4BH8



Tgt Ion:153 Resp: 601
Ion Ratio Lower Upper
153 100
152 49.1 39.0 58.4
154 86.4 69.4 104.2

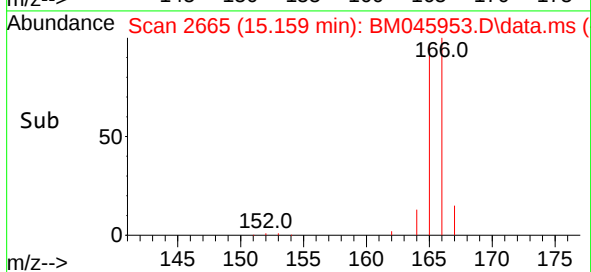
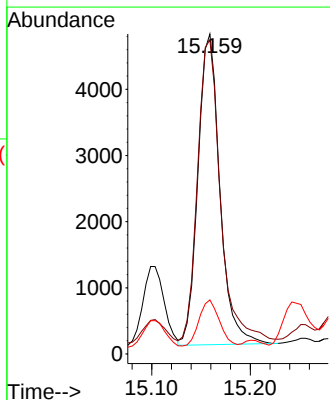
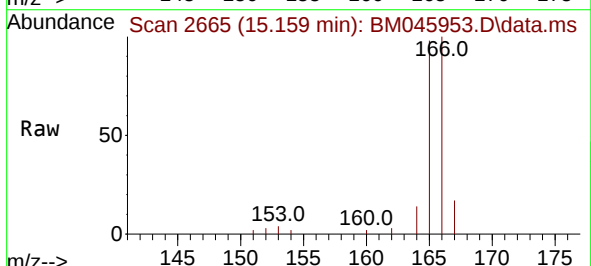
Manual Integrations
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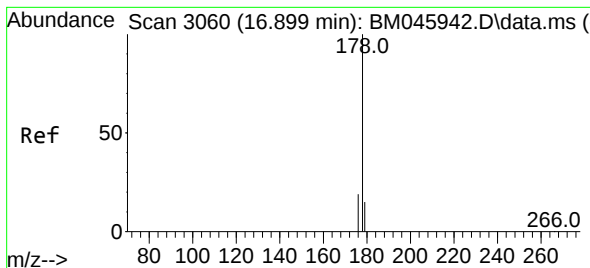
Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#12
Fluorene
Concen: 0.266 ng/u1
RT: 15.159 min Scan# 2665
Delta R.T. -0.017 min
Lab File: BM045953.D
Acq: 10 Jun 2024 16:32

Tgt Ion:166 Resp: 7254
Ion Ratio Lower Upper
166 100
165 98.2 79.7 119.5
167 16.9 11.3 16.9





#15

Phenanthrene

Concen: 3.226 ng/ul m

RT: 16.884 min Scan# 3056

Delta R.T. -0.020 min

Lab File: BM045953.D

Acq: 10 Jun 2024 16:32

Instrument :

BNA_M

ClientSampleId :

A4BH8

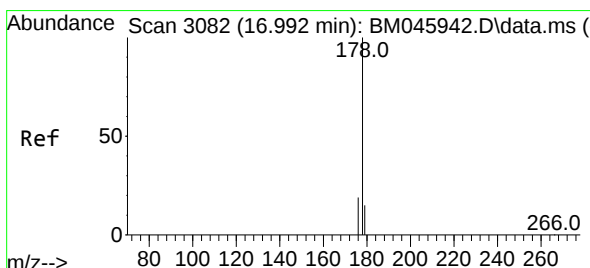
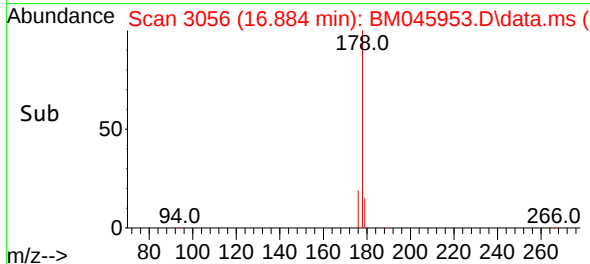
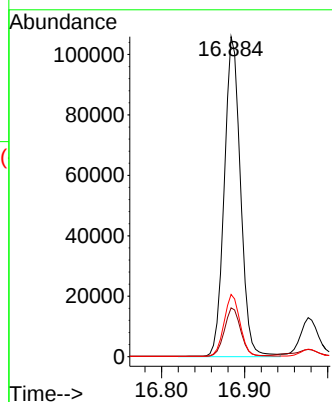
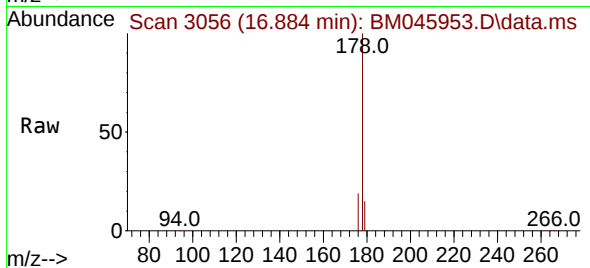
Tgt Ion:178 Resp: 14343

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.7	19.1
176	19.4	15.6	23.4

Manual Integrations

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Supervised By :mohammad ahmed 06/13/2024



#16

Anthracene

Concen: 0.535 ng/ul m

RT: 16.977 min Scan# 3078

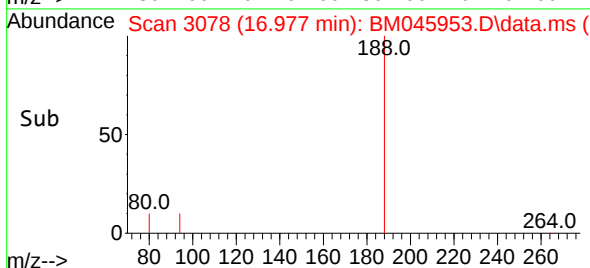
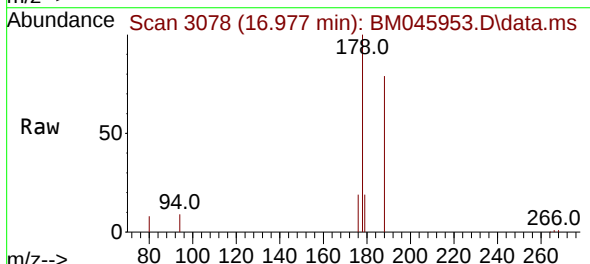
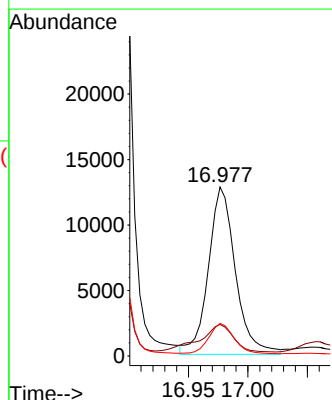
Delta R.T. -0.020 min

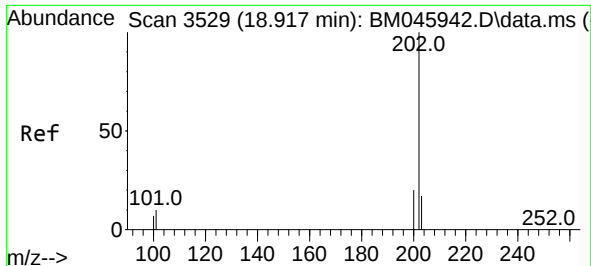
Lab File: BM045953.D

Acq: 10 Jun 2024 16:32

Tgt Ion:178 Resp: 20292

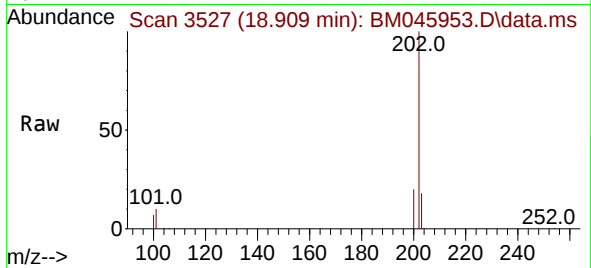
Ion	Ratio	Lower	Upper
178	100		
179	18.7	13.1	19.7
176	19.2	15.5	23.3





#19
Fluoranthene
Concen: 3.260 ng/u1
RT: 18.909 min Scan# 3527
Delta R.T. -0.013 min
Lab File: BM045953.D
Acq: 10 Jun 2024 16:32

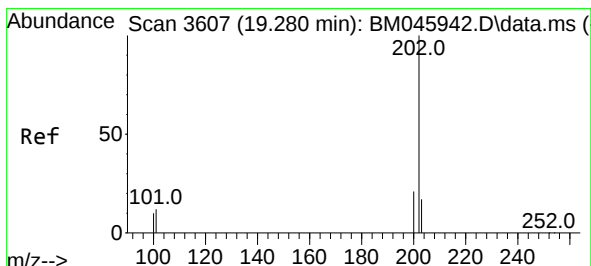
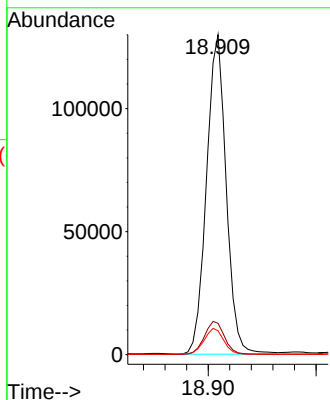
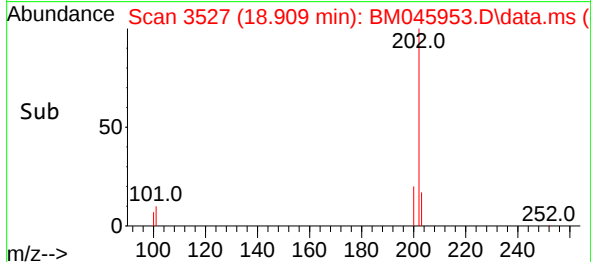
Instrument :
BNA_M
ClientSampleId :
A4BH8



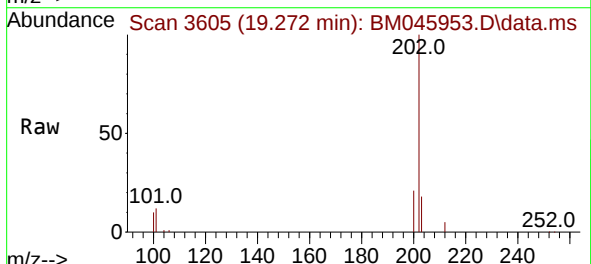
Tgt Ion:202 Resp: 164724
Ion Ratio Lower Upper
202 100
101 9.8 9.0 13.6
100 7.5 7.0 10.6

Manual Integrations
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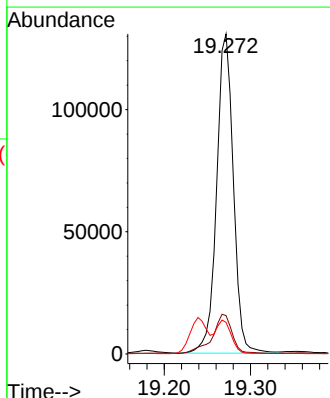
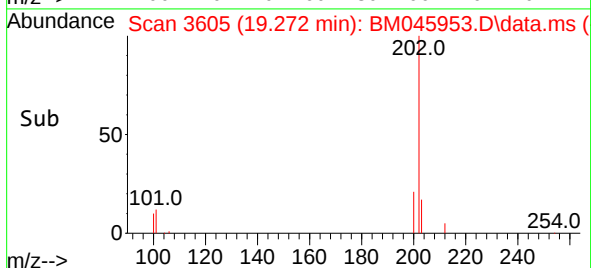
Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024

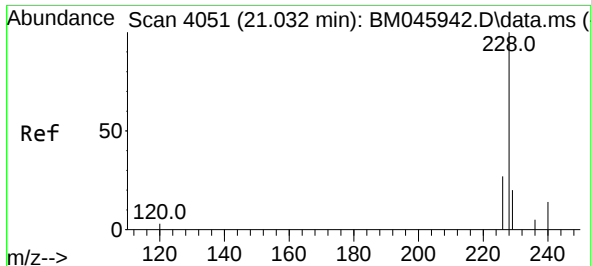


#20
Pyrene
Concen: 3.348 ng/u1
RT: 19.272 min Scan# 3605
Delta R.T. -0.013 min
Lab File: BM045953.D
Acq: 10 Jun 2024 16:32



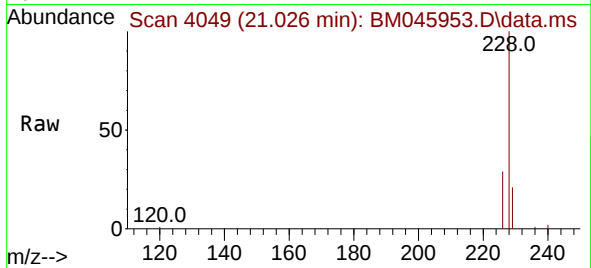
Tgt Ion:202 Resp: 176464
Ion Ratio Lower Upper
202 100
101 12.0 10.6 16.0
100 9.9 9.1 13.7





#21
Benzo(a)anthracene
Concen: 1.647 ng/ul
RT: 21.026 min Scan# 4051
Delta R.T. -0.009 min
Lab File: BM045953.D
Acq: 10 Jun 2024 16:32

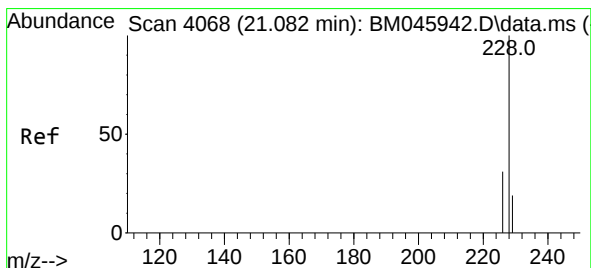
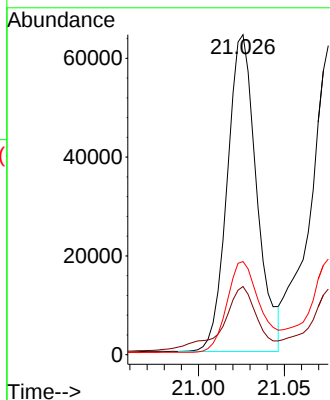
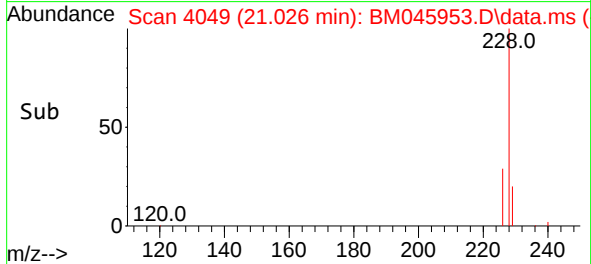
Instrument :
BNA_M
ClientSampleId :
A4BH8



Tgt Ion:228 Resp: 76589
Ion Ratio Lower Upper
228 100
229 21.3 15.7 23.5
226 29.1 22.0 33.0

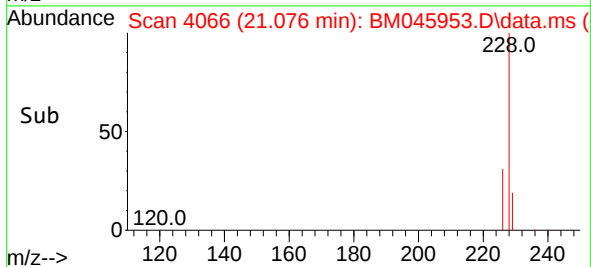
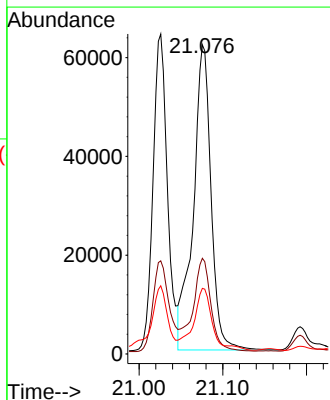
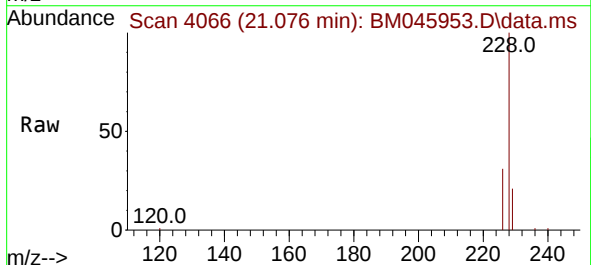
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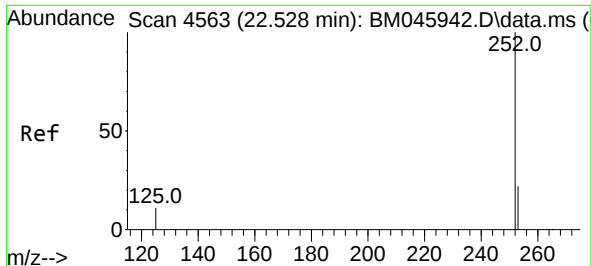
Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#22
Chrysene
Concen: 1.804 ng/ul
RT: 21.076 min Scan# 4066
Delta R.T. -0.012 min
Lab File: BM045953.D
Acq: 10 Jun 2024 16:32

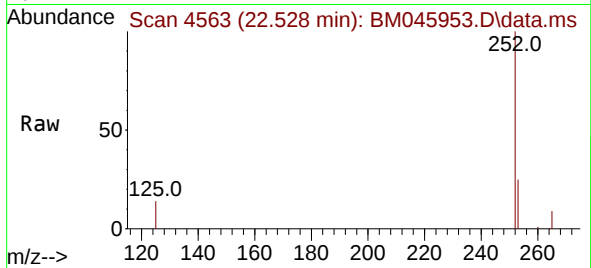
Tgt Ion:228 Resp: 91329
Ion Ratio Lower Upper
228 100
226 31.0 24.5 36.7
229 21.2 16.2 24.2





#24
Benzo(b)fluoranthene
Concen: 2.033 ng/ul m
RT: 22.528 min Scan# 4563
Delta R.T. -0.009 min
Lab File: BM045953.D
Acq: 10 Jun 2024 16:32

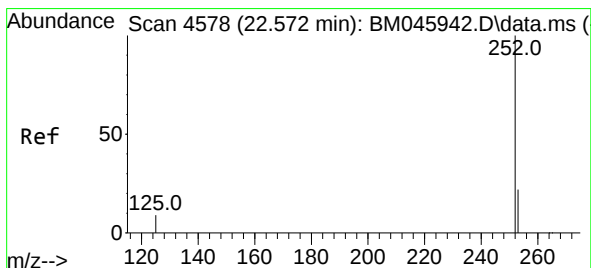
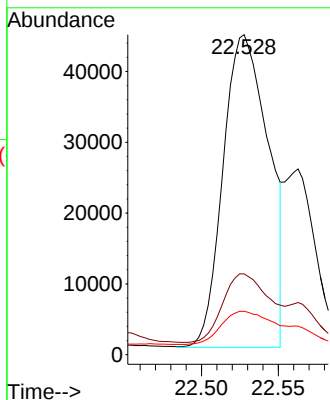
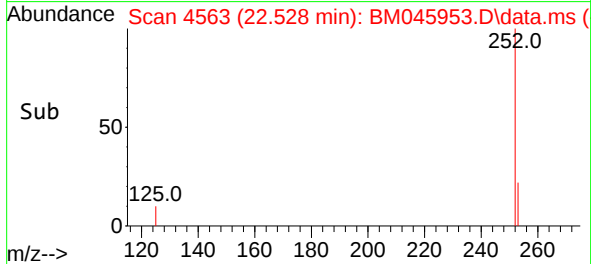
Instrument :
BNA_M
ClientSampleId :
A4BH8



Tgt Ion:252 Resp: 90448
Ion Ratio Lower Upper
252 100
253 25.3 0.0 63.6
125 13.5 0.0 35.8

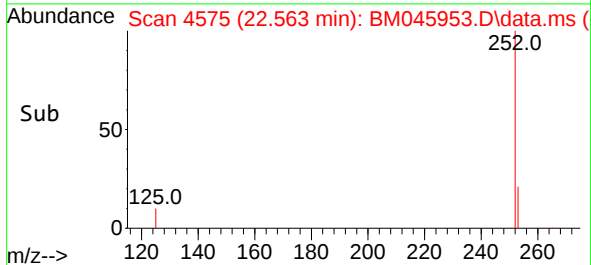
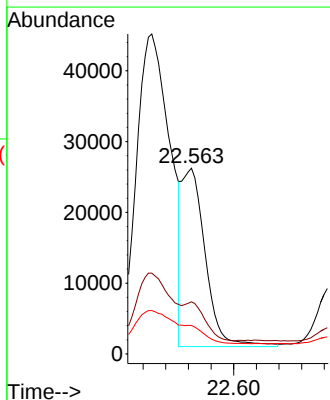
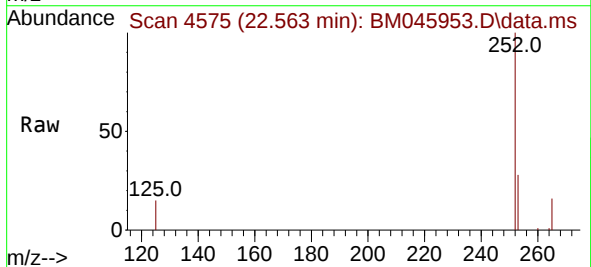
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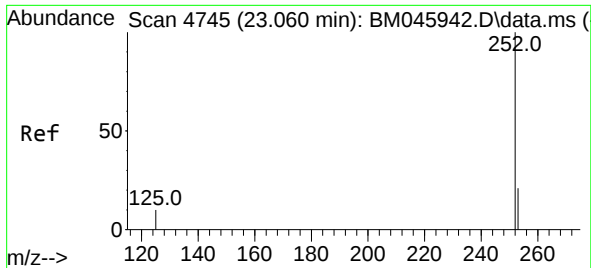
Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#25
Benzo(k)fluoranthene
Concen: 0.754 ng/ul m
RT: 22.563 min Scan# 4575
Delta R.T. -0.018 min
Lab File: BM045953.D
Acq: 10 Jun 2024 16:32

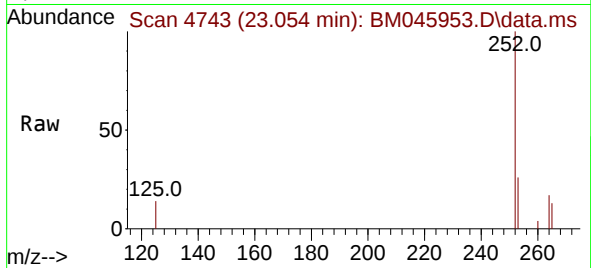
Tgt Ion:252 Resp: 36889
Ion Ratio Lower Upper
252 100
253 28.1 25.0 37.6
125 15.3 14.2 21.2





#26
Benzo(a)pyrene
Concen: 1.576 ng/ul
RT: 23.054 min Scan# 4743
Delta R.T. -0.018 min
Lab File: BM045953.D
Acq: 10 Jun 2024 16:32

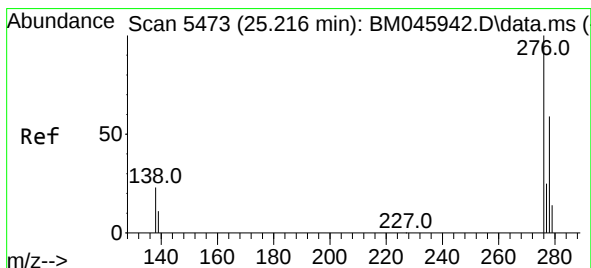
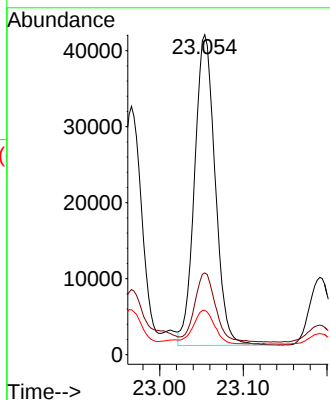
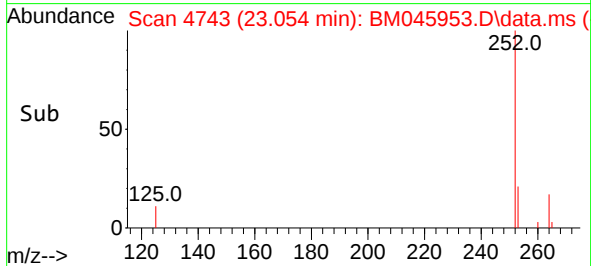
Instrument :
BNA_M
ClientSampleId :
A4BH8



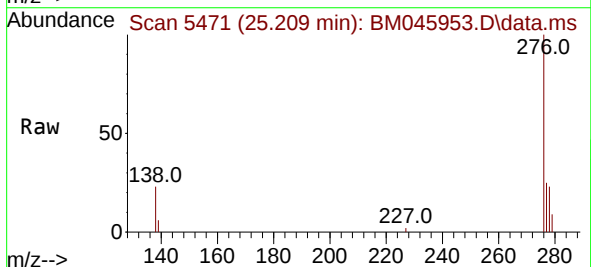
Tgt Ion:252 Resp: 6974
Ion Ratio Lower Upper
252 100
253 25.6 28.8 43.2
125 13.9 17.3 25.9

Manual Integrations
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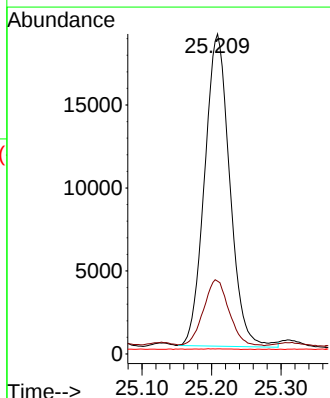
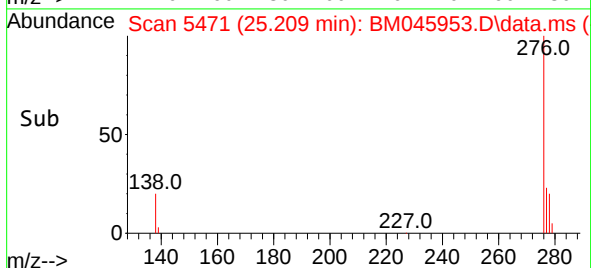
Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024

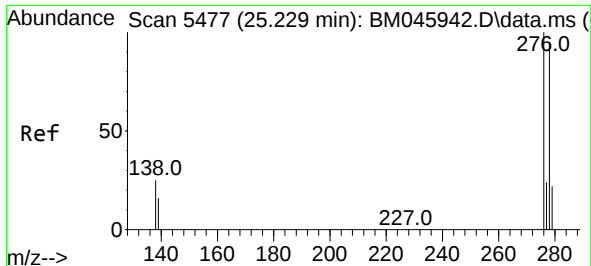


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.826 ng/ul
RT: 25.209 min Scan# 5471
Delta R.T. -0.024 min
Lab File: BM045953.D
Acq: 10 Jun 2024 16:32



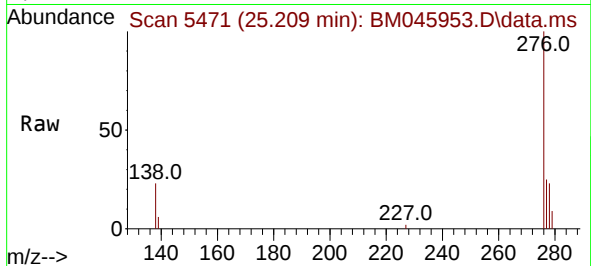
Tgt Ion:276 Resp: 47240
Ion Ratio Lower Upper
276 100
138 21.4 20.7 31.1
227 0.1 0.2 0.2





#28
Dibenzo(a,h)anthracene
Concen: 0.260 ng/ul
RT: 25.209 min Scan# 5477
Delta R.T. -0.040 min
Lab File: BM045953.D
Acq: 10 Jun 2024 16:32

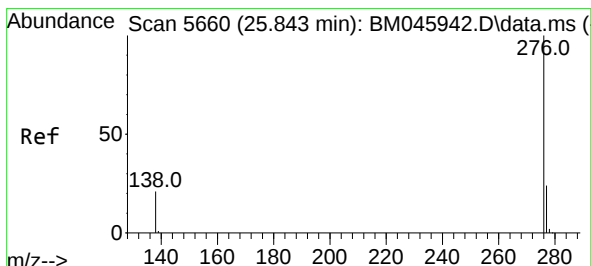
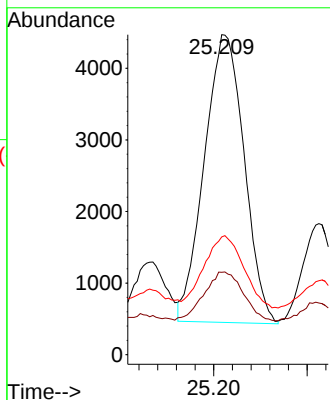
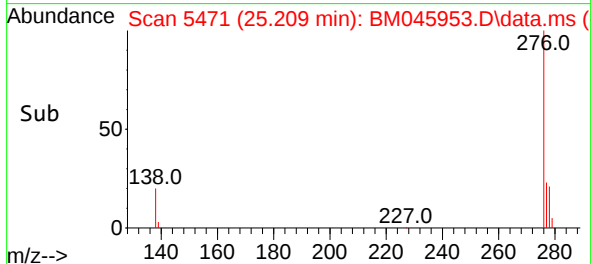
Instrument :
BNA_M
ClientSampleId :
A4BH8



Tgt Ion:278 Resp: 11900
Ion Ratio Lower Upper
278 100
139 25.8 16.6 25.0
279 36.8 24.6 37.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



#29
Benzo(g,h,i)perylene
Concen: 1.019 ng/ul
RT: 25.836 min Scan# 5658
Delta R.T. -0.027 min
Lab File: BM045953.D
Acq: 10 Jun 2024 16:32

Tgt Ion:276 Resp: 50308
Ion Ratio Lower Upper
276 100
138 23.5 21.0 31.4
277 25.2 20.5 30.7

