

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045883.D
 Acq On : 07 Jun 2024 15:31
 Operator : MA/JU
 Sample : P2586-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C28

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/08/2024
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 07 16:42:33 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 : Thu Jun 06 17:58:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.468	152	6649	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.238	136	22539	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.113	164	12404	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.854	188	27193m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.049	240	20634m	0.400	ng/ul	0.00
23) Perylene-d12	23.162	264	23549m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.063	96	25581	3.378	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.838	152	7321	0.226	ng/ul	0.00
18) Fluoranthene-d10	18.886	212	15570	0.252	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.287	128	6052	0.103	ng/ul#	95
7) 2-Methylnaphthalene	11.915	142	2348	0.063	ng/ul	98
8) 1-Methylnaphthalene	12.135	142	1802	0.044	ng/ul	99
10) Acenaphthylene	13.831	152	5083	0.090	ng/ul	96
11) Acenaphthene	14.173	153	5763	0.139	ng/ul	99
12) Fluorene	15.168	166	6530	0.141	ng/ul	96
14) Pentachlorophenol	16.537	266	131	0.026	ng/ul	97
15) Phenanthrene	16.896	178	182656m	2.392	ng/ul	
16) Anthracene	16.985	178	37813m	0.581	ng/ul	
19) Fluoranthene	18.918	202	468610	5.695	ng/ul	97
20) Pyrene	19.281	202	378528	4.410	ng/ul	98
21) Benzo(a)anthracene	21.032	228	276325	3.648	ng/ul	99
22) Chrysene	21.087	228	271445	3.292	ng/ul	98
24) Benzo(b)fluoranthene	22.539	252	422615m	5.411	ng/ul	
25) Benzo(k)fluoranthene	22.574	252	147948m	1.724	ng/ul	
26) Benzo(a)pyrene	23.068	252	273113	3.516	ng/ul#	80
27) Indeno(1,2,3-cd)pyrene	25.232	276	213366	2.124	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.232	278	60062	0.748	ng/ul	95
29) Benzo(g,h,i)perylene	25.862	276	225061	2.598	ng/ul	95

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

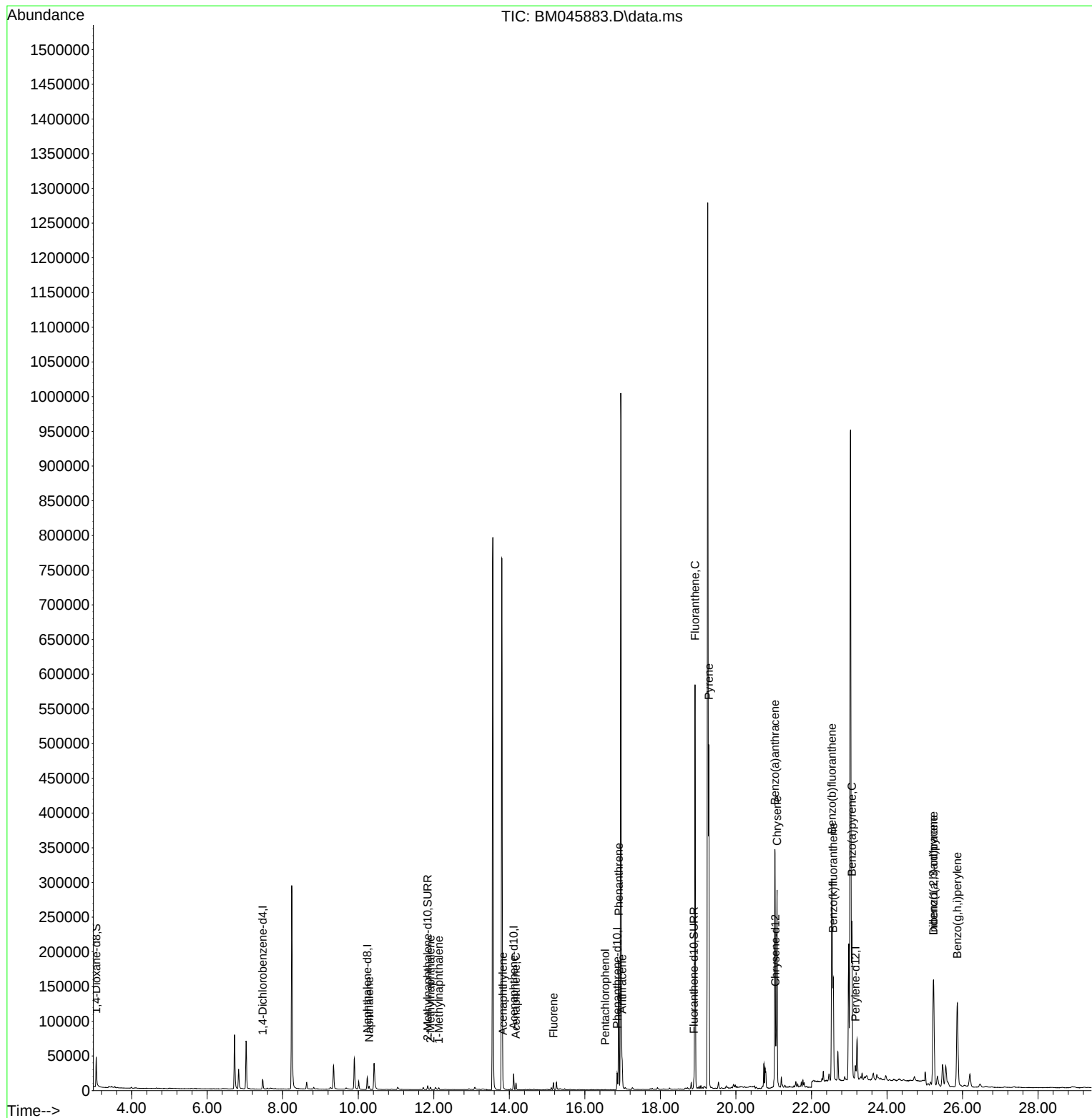
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045883.D
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ALS Vial : 12 Sample Multiplier: 1

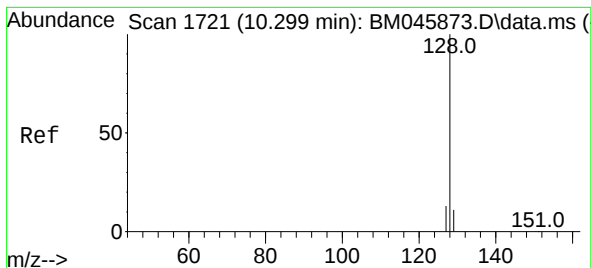
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 06 17:58:22 2024
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.103 ng/ul

RT: 10.287 min Scan# 1719

Delta R.T. -0.015 min

Lab File: BM045883.D

Acq: 07 Jun 2024 15:31

Instrument :

BNA_M

ClientSampleId :

A4C28

Tgt Ion:128 Resp: 6052

Ion Ratio Lower Upper

128 100

129 14.6 9.4 14.0

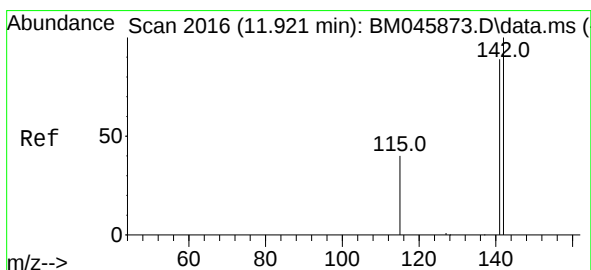
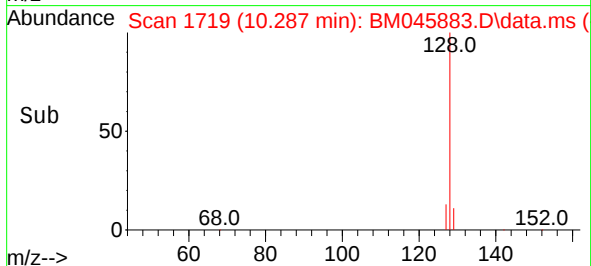
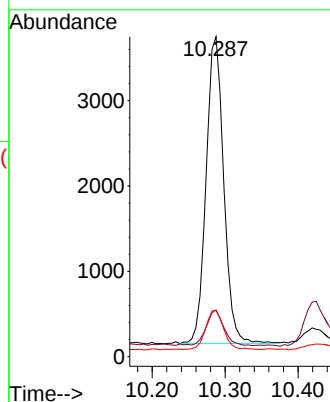
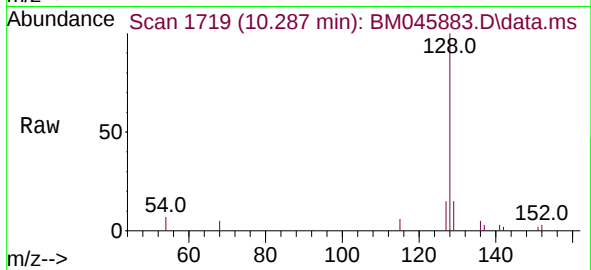
127 14.5 10.6 15.8

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Supervised By :mohammad ahmed 06/13/2024



#7

2-Methylnaphthalene

Concen: 0.063 ng/ul

RT: 11.915 min Scan# 2015

Delta R.T. -0.004 min

Lab File: BM045883.D

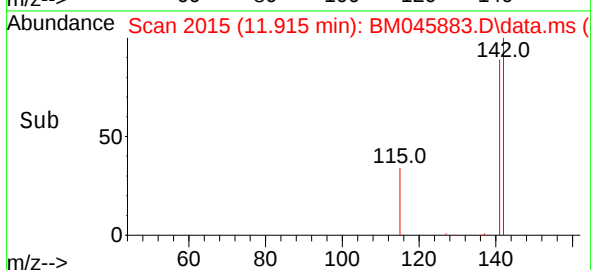
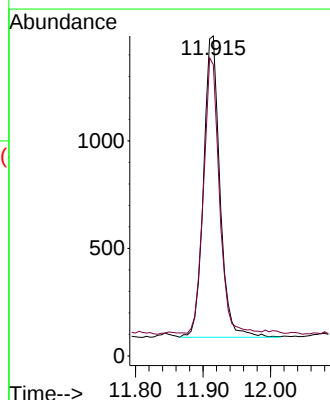
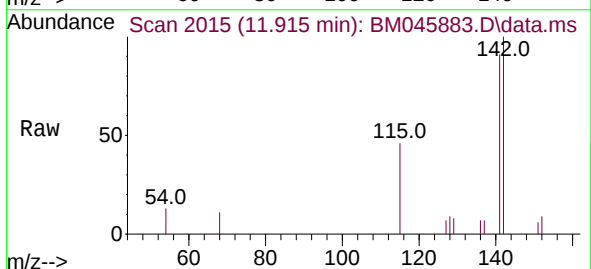
Acq: 07 Jun 2024 15:31

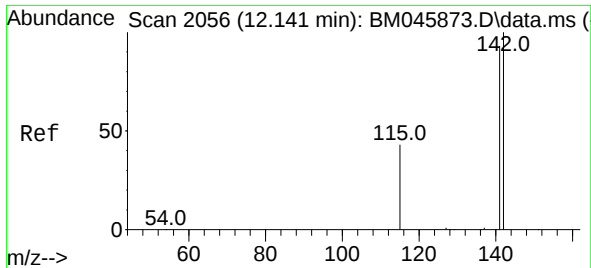
Tgt Ion:142 Resp: 2348

Ion Ratio Lower Upper

142 100

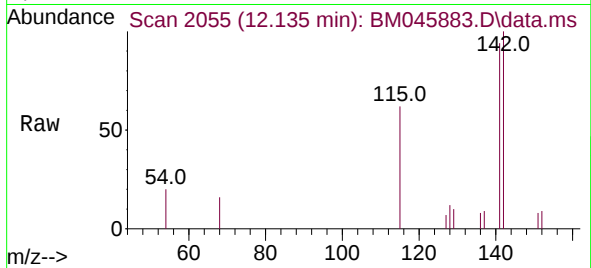
141 87.9 72.2 108.4





#8
1-Methylnaphthalene
Concen: 0.044 ng/ul
RT: 12.135 min Scan# 2055
Delta R.T. -0.010 min
Lab File: BM045883.D
Acq: 07 Jun 2024 15:31

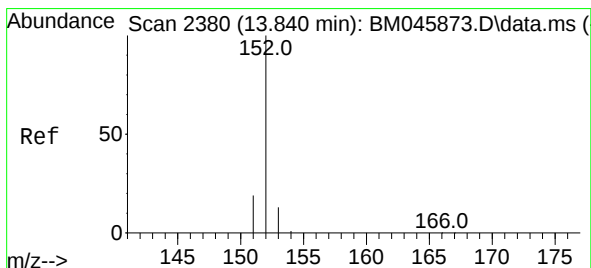
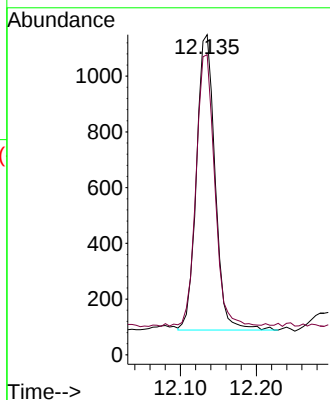
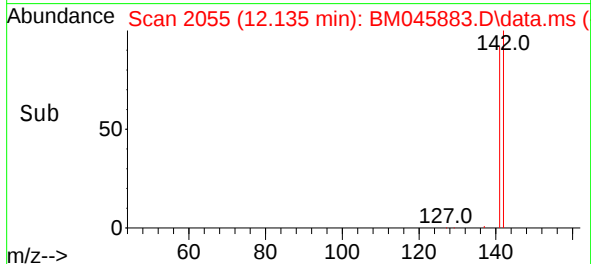
Instrument :
BNA_M
ClientSampleId :
A4C28



Tgt Ion:142 Resp: 180
Ion Ratio Lower Upper
142 100
141 92.5 73.5 110.3

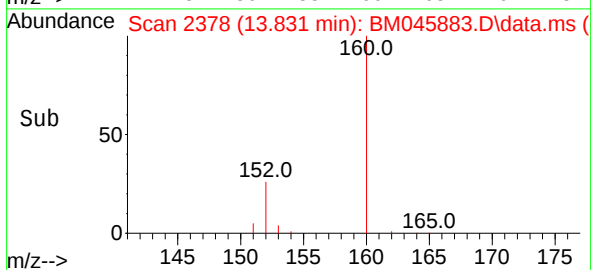
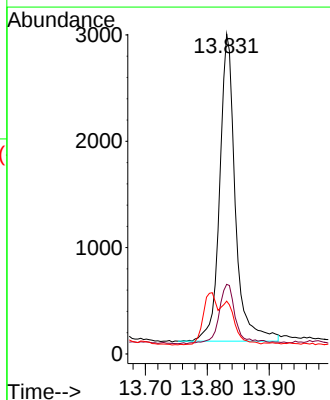
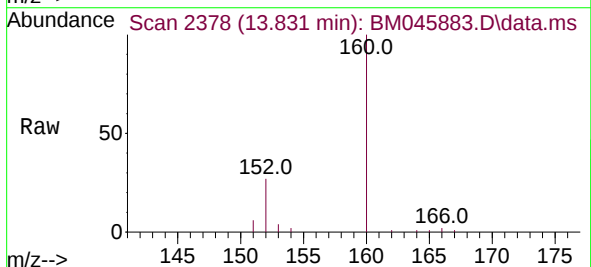
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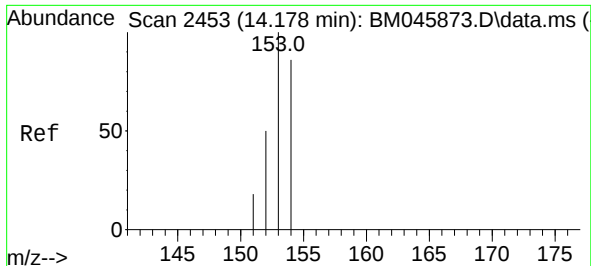
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



#10
Acenaphthylene
Concen: 0.090 ng/ul
RT: 13.831 min Scan# 2378
Delta R.T. -0.008 min
Lab File: BM045883.D
Acq: 07 Jun 2024 15:31

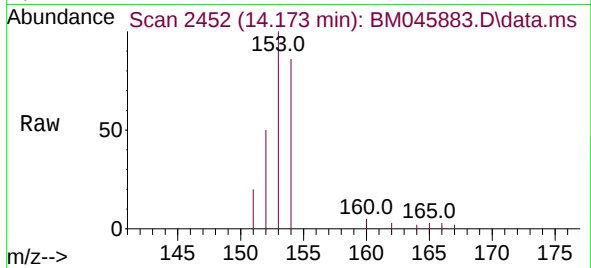
Tgt Ion:152 Resp: 5083
Ion Ratio Lower Upper
152 100
151 21.8 16.4 24.6
153 16.5 11.1 16.7





#11
Acenaphthene
Concen: 0.139 ng/ul
RT: 14.173 min Scan# 2453
Delta R.T. -0.008 min
Lab File: BM045883.D
Acq: 07 Jun 2024 15:31

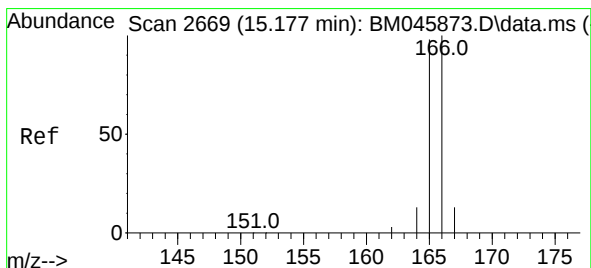
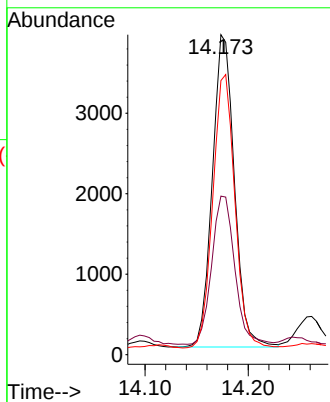
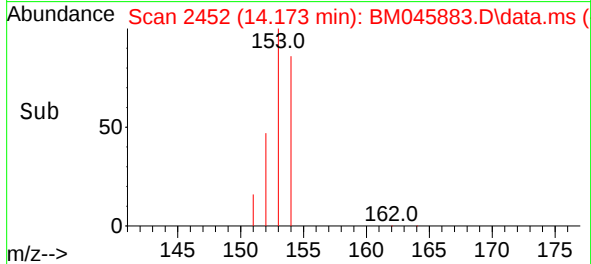
Instrument :
BNA_M
ClientSampleId :
A4C28



Tgt Ion:153 Resp: 5763
Ion Ratio Lower Upper
153 100
152 49.5 39.0 58.4
154 85.6 69.4 104.2

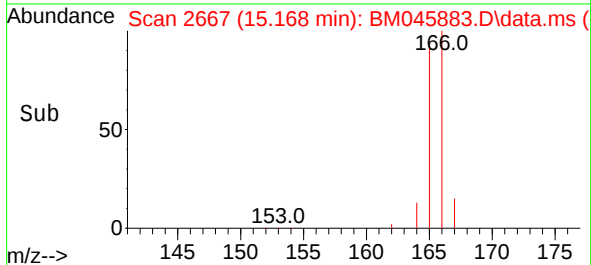
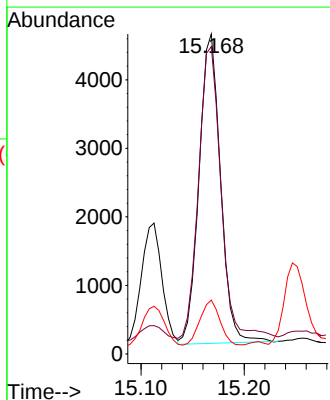
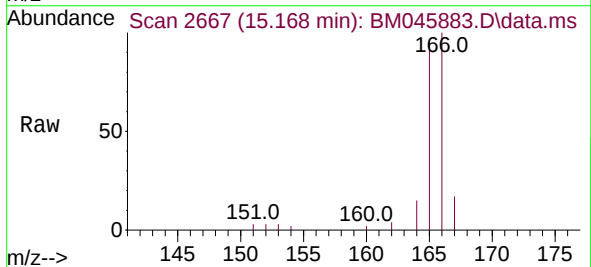
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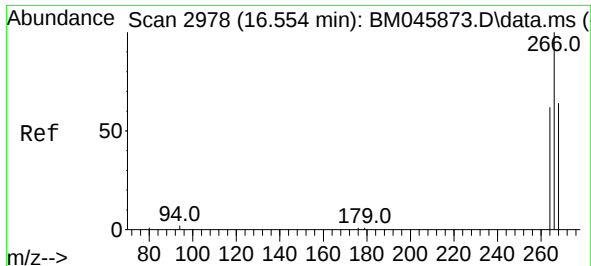
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



#12
Fluorene
Concen: 0.141 ng/ul
RT: 15.168 min Scan# 2667
Delta R.T. -0.008 min
Lab File: BM045883.D
Acq: 07 Jun 2024 15:31

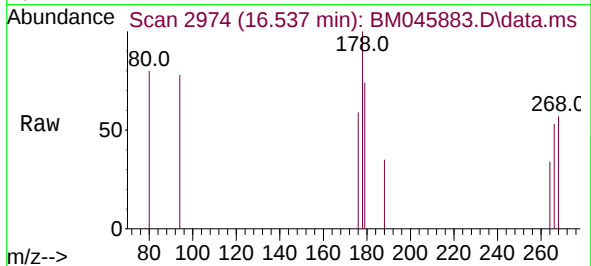
Tgt Ion:166 Resp: 6530
Ion Ratio Lower Upper
166 100
165 96.1 79.7 119.5
167 16.9 11.3 16.9





#14
Pentachlorophenol
Concen: 0.026 ng/ul
RT: 16.537 min Scan# 2974
Delta R.T. -0.016 min
Lab File: BM045883.D
Acq: 07 Jun 2024 15:31

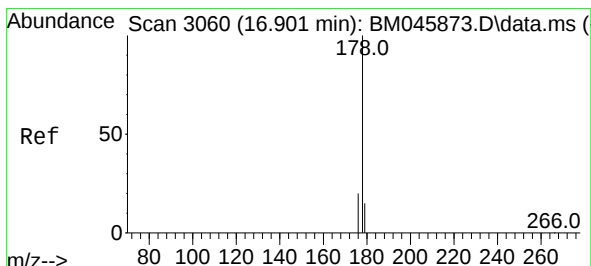
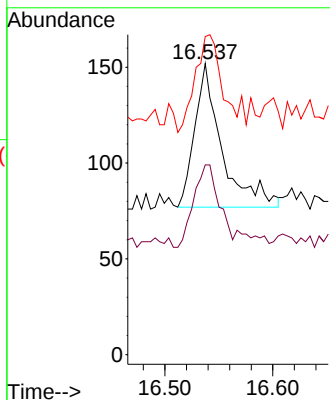
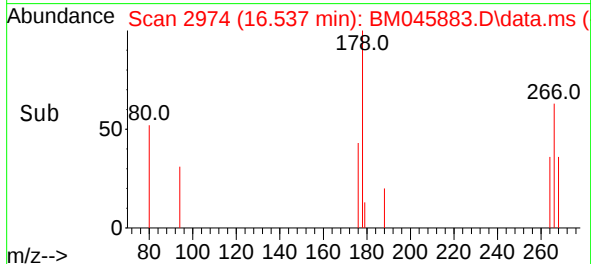
Instrument :
BNA_M
ClientSampleId :
A4C28



Tgt Ion:266 Resp: 13
Ion Ratio Lower Upper
266 100
264 62.6 47.9 71.9
268 65.6 50.9 76.3

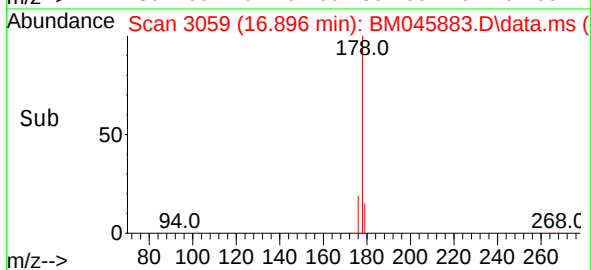
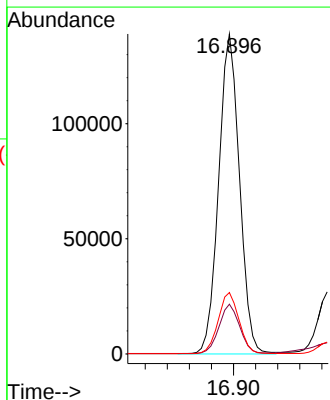
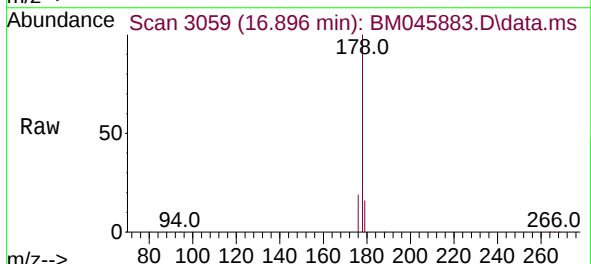
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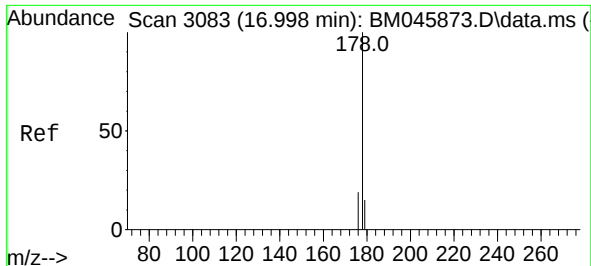
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



#15
Phenanthrene
Concen: 2.392 ng/ul m
RT: 16.896 min Scan# 3059
Delta R.T. -0.007 min
Lab File: BM045883.D
Acq: 07 Jun 2024 15:31

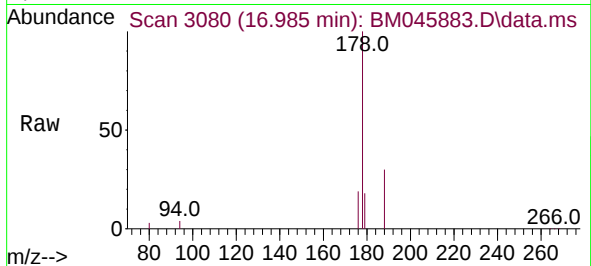
Tgt Ion:178 Resp: 182656
Ion Ratio Lower Upper
178 100
179 15.6 12.7 19.1
176 19.2 15.6 23.4





#16
 Anthracene
 Concen: 0.581 ng/ul m
 RT: 16.985 min Scan# 3083
 Delta R.T. -0.012 min
 Lab File: BM045883.D
 Acq: 07 Jun 2024 15:31

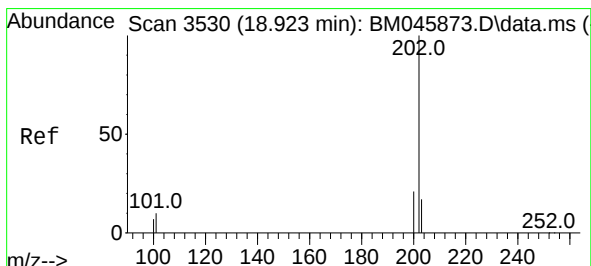
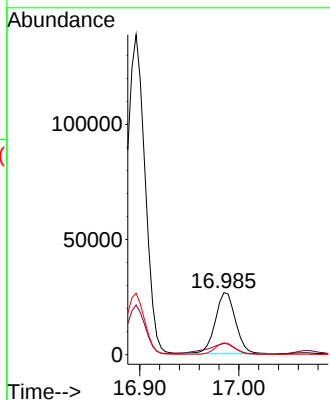
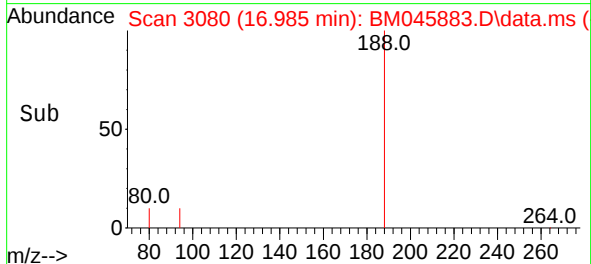
Instrument :
 BNA_M
 ClientSampleId :
 A4C28



Tgt Ion:178 Resp: 37811
 Ion Ratio Lower Upper
 178 100
 179 18.1 13.1 19.7
 176 19.1 15.5 23.3

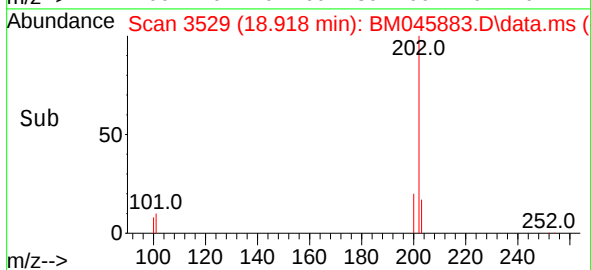
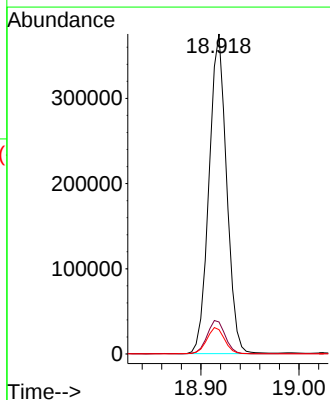
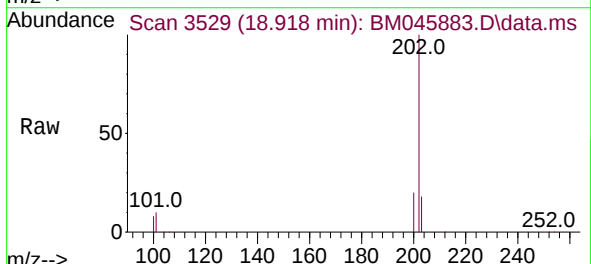
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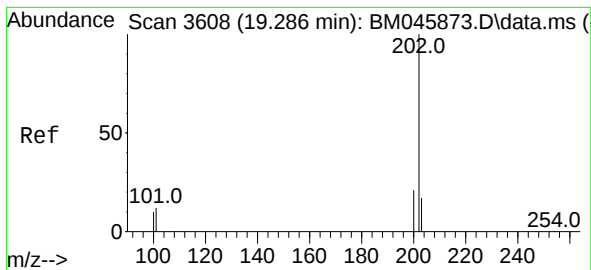
Reviewed By :Yogesh Patel 06/08/2024
 Supervised By :mohammad ahmed 06/13/2024



#19
 Fluoranthene
 Concen: 5.695 ng/ul
 RT: 18.918 min Scan# 3529
 Delta R.T. -0.004 min
 Lab File: BM045883.D
 Acq: 07 Jun 2024 15:31

Tgt Ion:202 Resp: 468610
 Ion Ratio Lower Upper
 202 100
 101 10.0 9.0 13.6
 100 7.6 7.0 10.6





#20

Pyrene

Concen: 4.410 ng/ul

RT: 19.281 min Scan# 3608

Delta R.T. -0.004 min

Lab File: BM045883.D

Acq: 07 Jun 2024 15:31

Instrument :

BNA_M

ClientSampleId :

A4C28

Tgt Ion:202 Resp: 378528

Ion Ratio Lower Upper

202 100

101 12.4 10.6 16.0

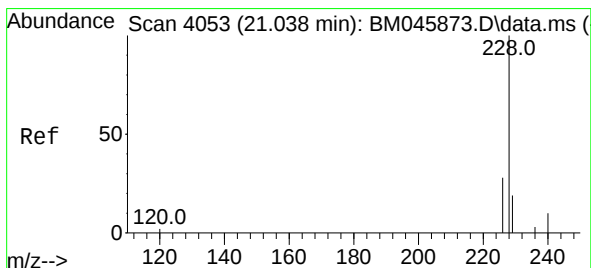
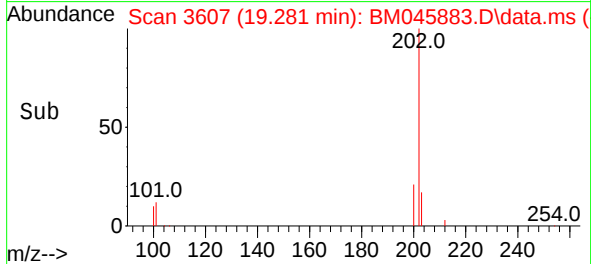
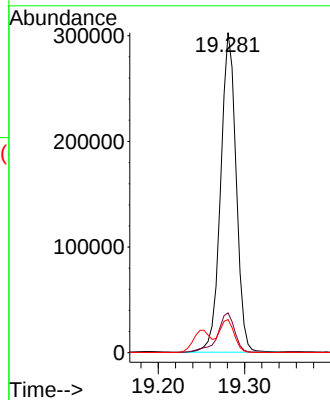
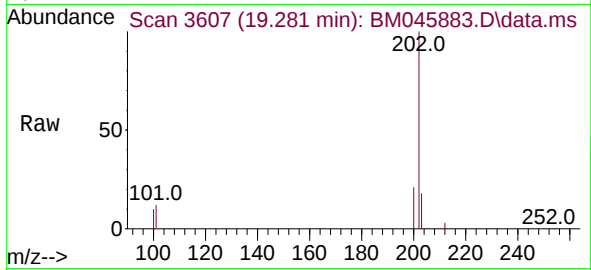
100 10.4 9.1 13.7

Manual Integrations

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Supervised By :mohammad ahmed 06/13/2024



#21

Benzo(a)anthracene

Concen: 3.648 ng/ul

RT: 21.032 min Scan# 4051

Delta R.T. -0.004 min

Lab File: BM045883.D

Acq: 07 Jun 2024 15:31

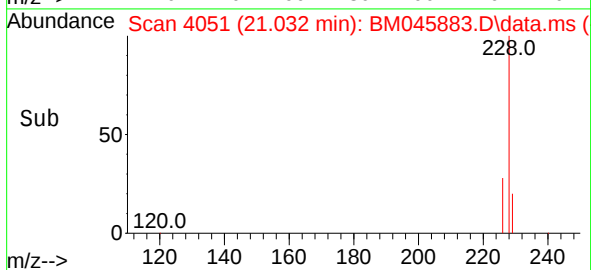
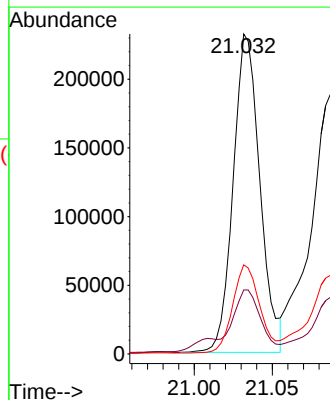
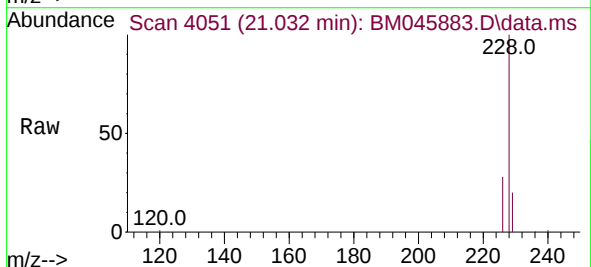
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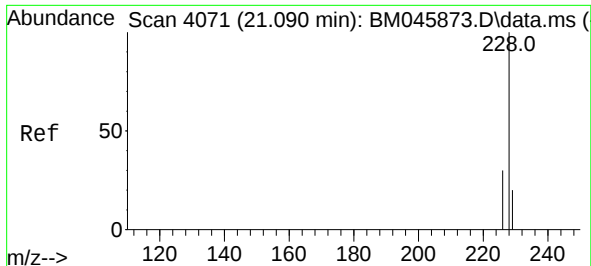
Ion Ratio Lower Upper

228 100

229 20.0 15.7 23.5

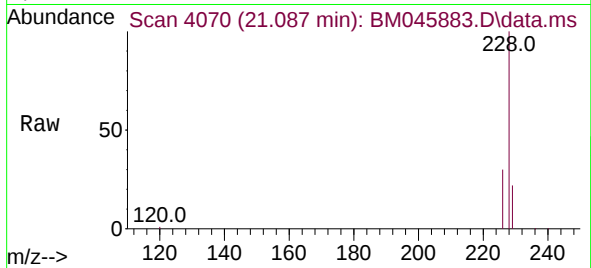
226 27.9 22.0 33.0





#22
Chrysene
Concen: 3.292 ng/ul
RT: 21.087 min Scan# 4071
Delta R.T. -0.001 min
Lab File: BM045883.D
Acq: 07 Jun 2024 15:31

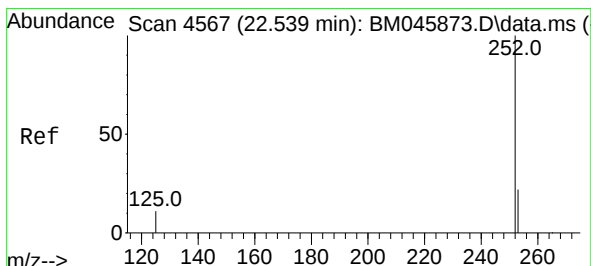
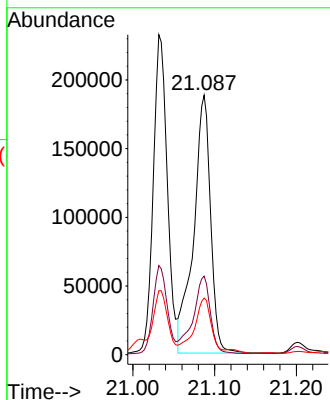
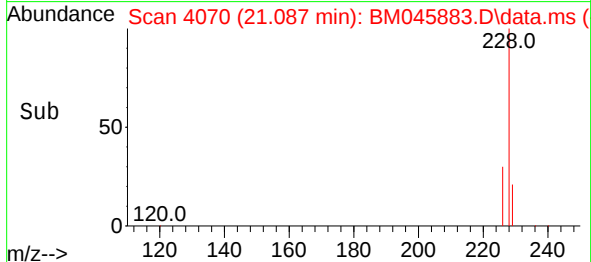
Instrument :
BNA_M
ClientSampleId :
A4C28



Tgt Ion:228 Resp: 271445
Ion Ratio Lower Upper
228 100
226 30.3 24.5 36.7
229 21.8 16.2 24.2

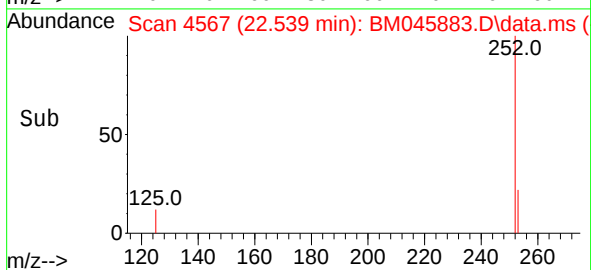
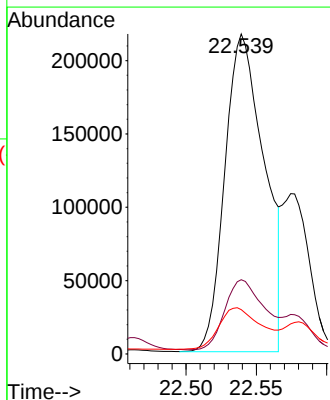
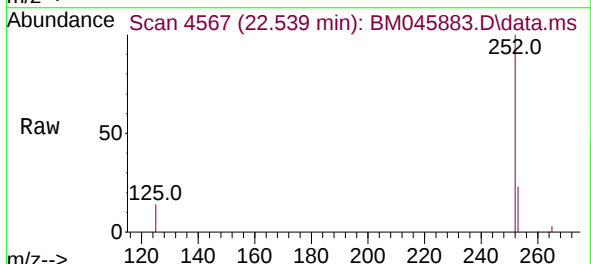
Manual Integrations
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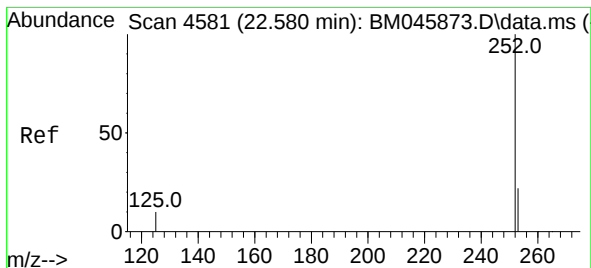
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



#24
Benzo(b)fluoranthene
Concen: 5.411 ng/ul m
RT: 22.539 min Scan# 4567
Delta R.T. 0.002 min
Lab File: BM045883.D
Acq: 07 Jun 2024 15:31

Tgt Ion:252 Resp: 422615
Ion Ratio Lower Upper
252 100
253 23.2 0.0 63.6
125 13.9 0.0 35.8





#25

Benzo(k)fluoranthene

Concen: 1.724 ng/ul m

RT: 22.574 min Scan# 4579

Delta R.T. -0.006 min

Lab File: BM045883.D

Acq: 07 Jun 2024 15:31

Instrument :

BNA_M

ClientSampleId :

A4C28

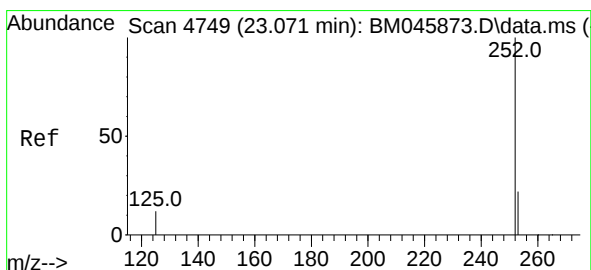
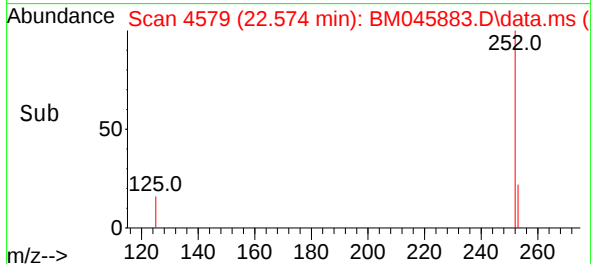
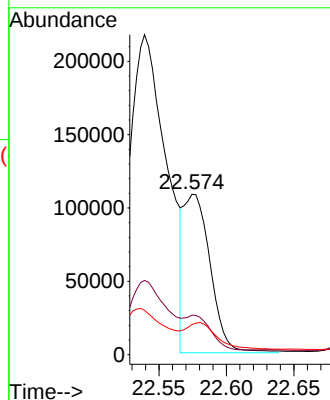
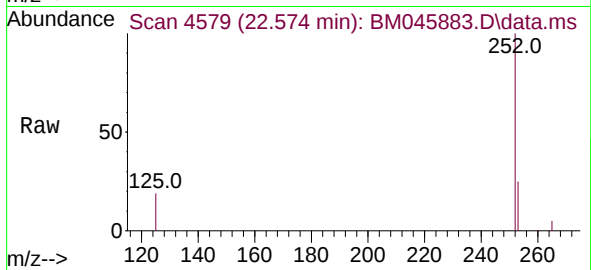
Tgt Ion:252 Resp: 147948
 Ion Ratio Lower Upper
 252 100
 253 24.7 25.0 37.6#
 125 18.7 14.2 21.2

Manual Integrations

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Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/13/2024



#26

Benzo(a)pyrene

Concen: 3.516 ng/ul

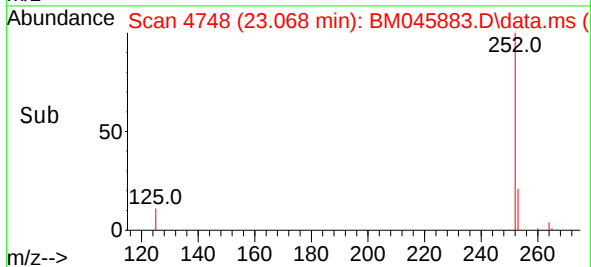
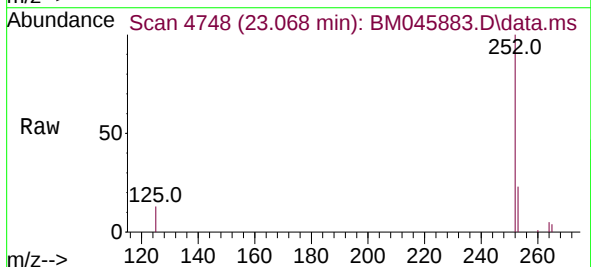
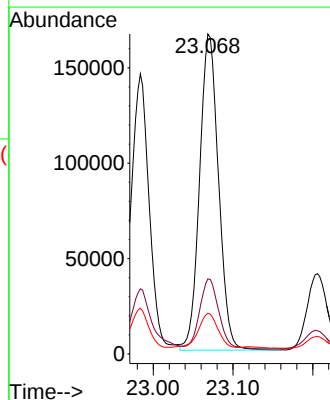
RT: 23.068 min Scan# 4748

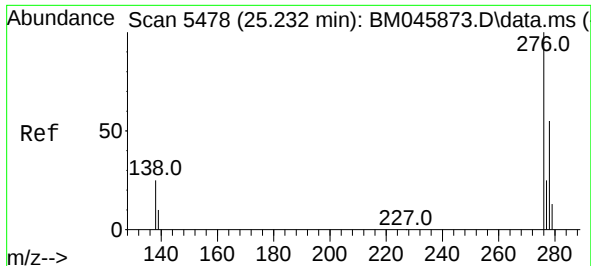
Delta R.T. -0.004 min

Lab File: BM045883.D

Acq: 07 Jun 2024 15:31

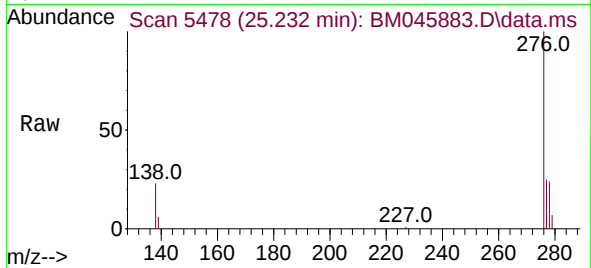
Tgt Ion:252 Resp: 273113
 Ion Ratio Lower Upper
 252 100
 253 23.5 28.8 43.2#
 125 12.7 17.3 25.9#





#27
Indeno(1,2,3-cd)pyrene
Concen: 2.124 ng/ul
RT: 25.232 min Scan# 5478
Delta R.T. -0.000 min
Lab File: BM045883.D
Acq: 07 Jun 2024 15:31

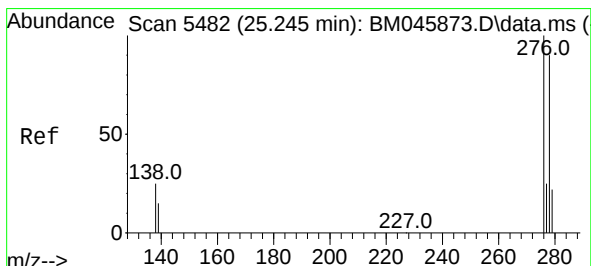
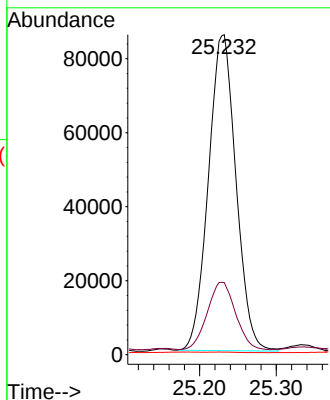
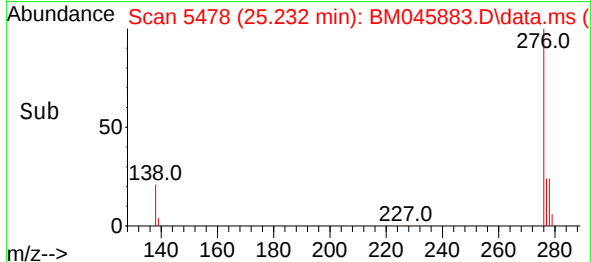
Instrument :
BNA_M
ClientSampleId :
A4C28



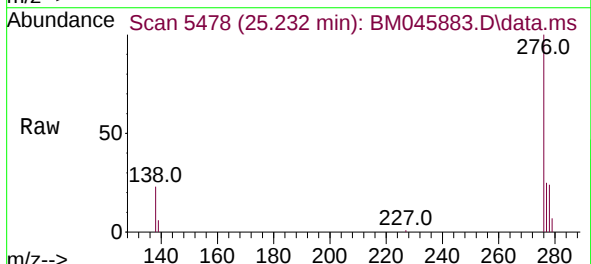
Tgt Ion:276 Resp: 21336
Ion Ratio Lower Upper
276 100
138 22.1 20.7 31.1
227 0.0 0.2 0.2

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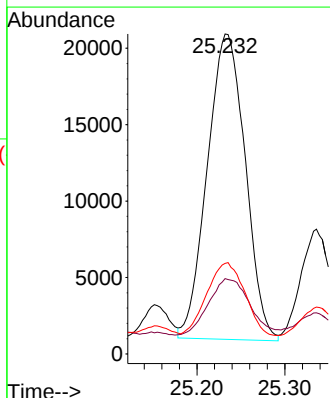
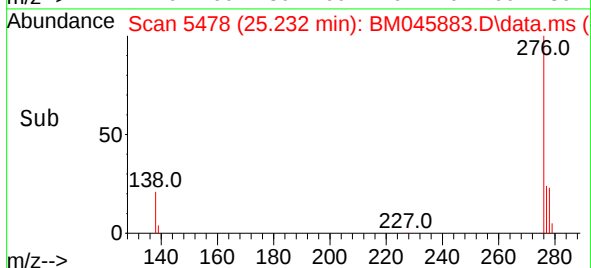
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024

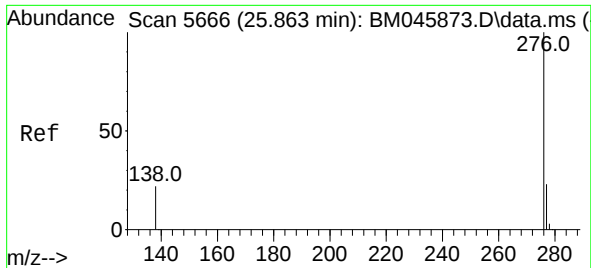


#28
Dibenzo(a,h)anthracene
Concen: 0.748 ng/ul
RT: 25.232 min Scan# 5478
Delta R.T. -0.017 min
Lab File: BM045883.D
Acq: 07 Jun 2024 15:31



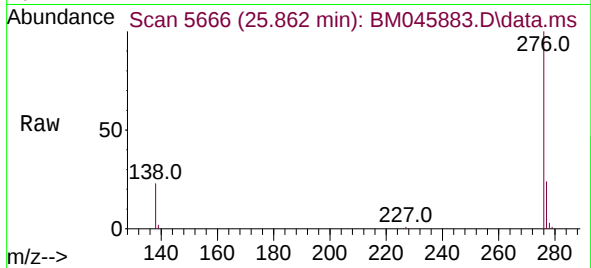
Tgt Ion:278 Resp: 60062
Ion Ratio Lower Upper
278 100
139 23.5 16.6 25.0
279 28.3 24.6 37.0





#29
Benzo(g,h,i)perylene
Concen: 2.598 ng/ul
RT: 25.862 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM045883.D
Acq: 07 Jun 2024 15:31

Instrument :
BNA_M
ClientSampleId :
A4C28



Tgt Ion:276 Resp: 22506
Ion Ratio Lower Upper
276 100
138 22.5 21.0 31.4
277 24.1 20.5 30.7

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Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024

