

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045876.D
 Acq On : 07 Jun 2024 11:16
 Operator : MA/JU
 Sample : P2586-19
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C44

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 11:45:23 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	6540	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.238	136	21702	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.113	164	12002	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.854	188	26538m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.049	240	21730m	0.400	ng/ul	0.00
23) Perylene-d12	23.162	264	21366m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.058	96	28644	3.845	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.844	152	6813	0.218	ng/ul	0.00
18) Fluoranthene-d10	18.886	212	14574	0.224	ng/ul	0.00
Target Compounds						
					Qvalue	
10) Acenaphthylene	13.831	152	1929	0.035	ng/ul#	89
11) Acenaphthene	14.173	153	875	0.022	ng/ul	95
12) Fluorene	15.168	166	1183	0.026	ng/ul#	94
15) Phenanthrene	16.896	178	31787m	0.427	ng/ul	
16) Anthracene	16.985	178	5725m	0.090	ng/ul	
19) Fluoranthene	18.918	202	76453	0.882	ng/ul	98
20) Pyrene	19.276	202	61733	0.683	ng/ul	99
21) Benzo(a)anthracene	21.032	228	28979	0.363	ng/ul	97
22) Chrysene	21.084	228	35808	0.412	ng/ul	98
24) Benzo(b)fluoranthene	22.536	252	45676m	0.645	ng/ul	
25) Benzo(k)fluoranthene	22.574	252	18260m	0.234	ng/ul	
26) Benzo(a)pyrene	23.066	252	28418	0.403	ng/ul	93
27) Indeno(1,2,3-cd)pyrene	25.225	276	22884	0.251	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.232	278	4794	0.066	ng/ul#	59
29) Benzo(g,h,i)perylene	25.852	276	22981	0.292	ng/ul	98

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

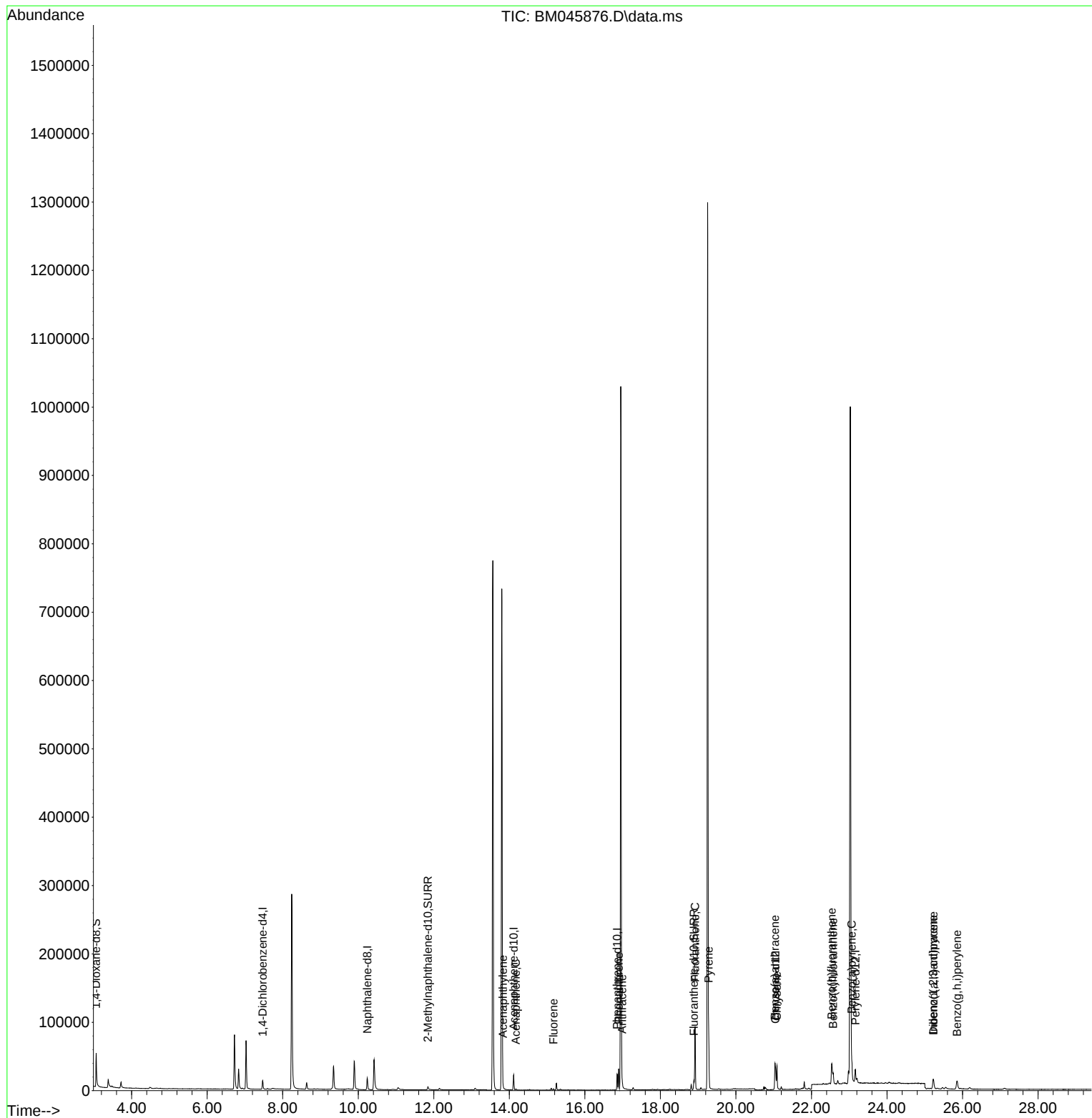
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045876.D
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ALS Vial : 5 Sample Multiplier: 1

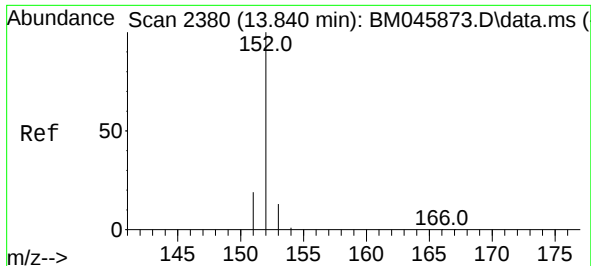
Instrument :
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Quant Time: Jun 07 11:45:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 06 17:58:22 2024
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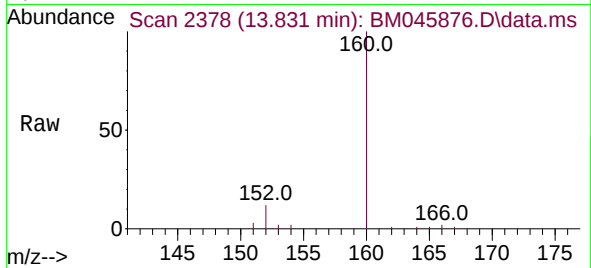
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024





#10
Acenaphthylene
Concen: 0.035 ng/ul
RT: 13.831 min Scan# 2452
Delta R.T. -0.008 min
Lab File: BM045876.D
Acq: 07 Jun 2024 11:16

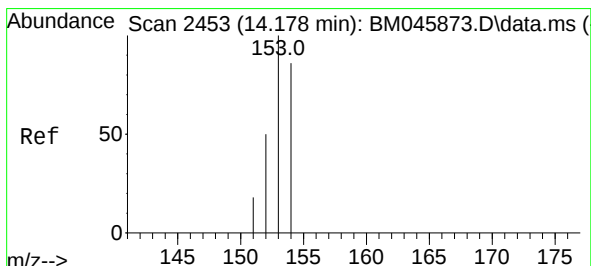
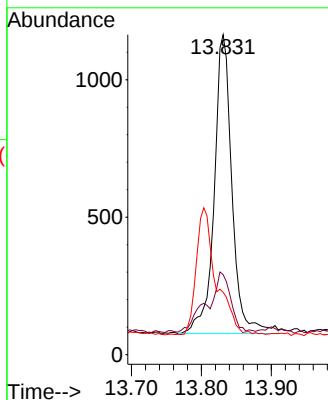
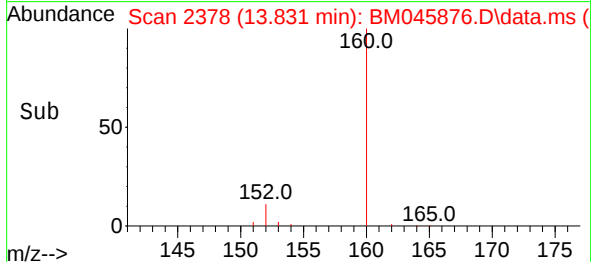
Instrument :
BNA_M
ClientSampleId :
A4C44



Tgt Ion:152 Resp: 1929
Ion Ratio Lower Upper
152 100
151 25.0 16.4 24.6
153 19.5 11.1 16.7

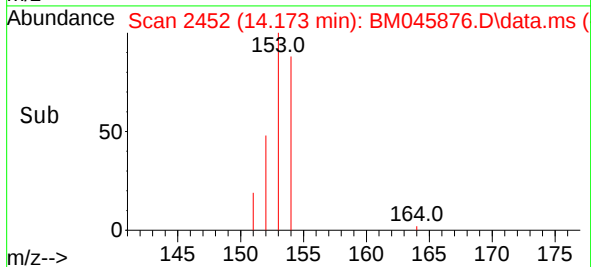
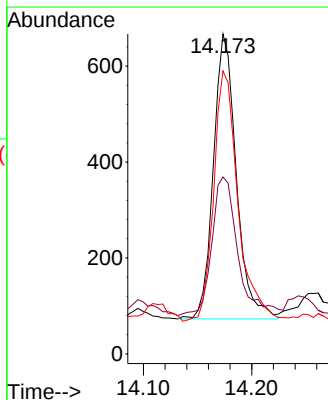
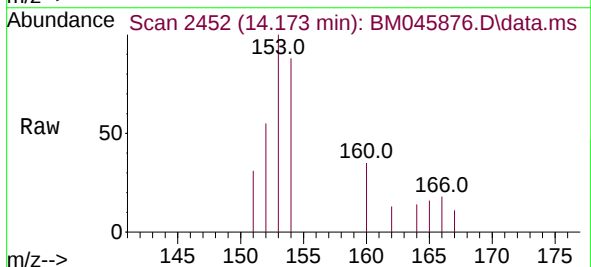
Manual Integrations
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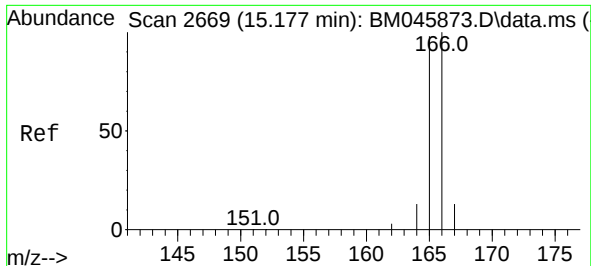
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



#11
Acenaphthene
Concen: 0.022 ng/ul
RT: 14.173 min Scan# 2452
Delta R.T. -0.008 min
Lab File: BM045876.D
Acq: 07 Jun 2024 11:16

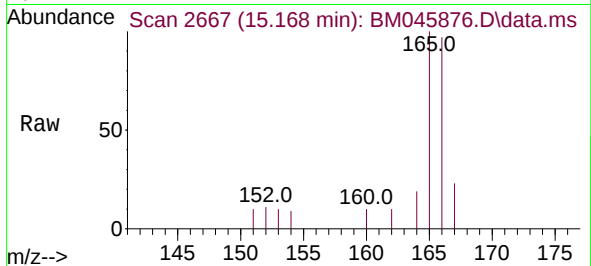
Tgt Ion:153 Resp: 875
Ion Ratio Lower Upper
153 100
152 55.3 39.0 58.4
154 88.5 69.4 104.2





#12
Fluorene
Concen: 0.026 ng/ul
RT: 15.168 min Scan# 2667
Delta R.T. -0.008 min
Lab File: BM045876.D
Acq: 07 Jun 2024 11:16

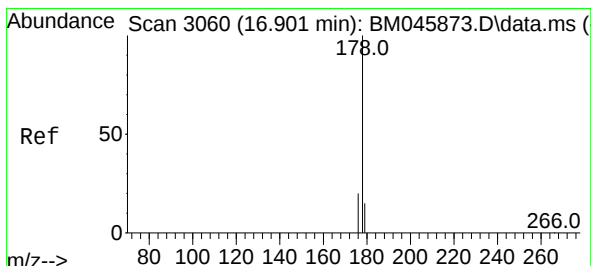
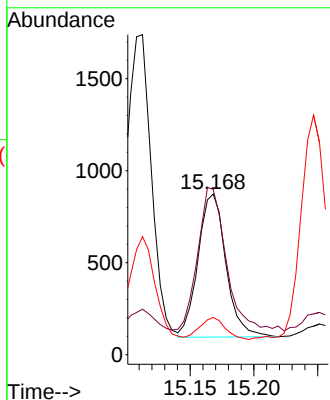
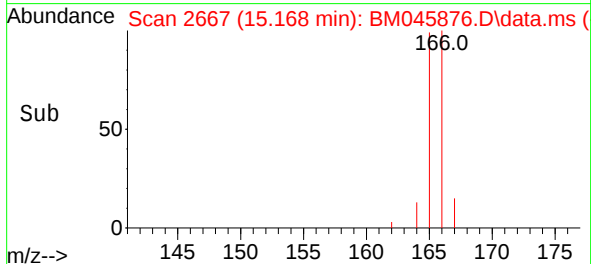
Instrument :
BNA_M
ClientSampleId :
A4C44



Tgt Ion:166 Resp: 1183
Ion Ratio Lower Upper
166 100
165 102.9 79.7 119.5
167 23.3 11.3 16.9

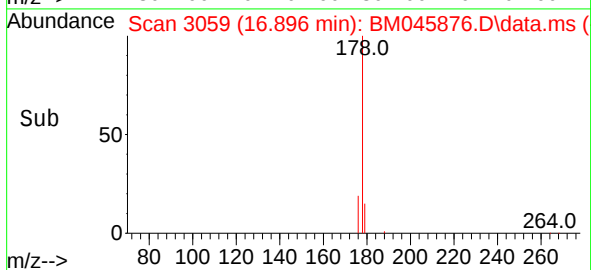
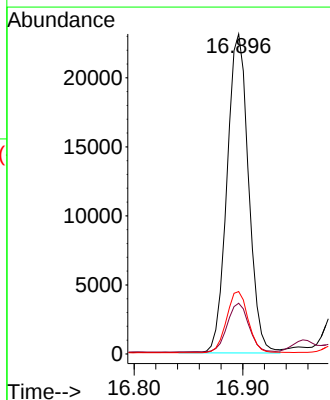
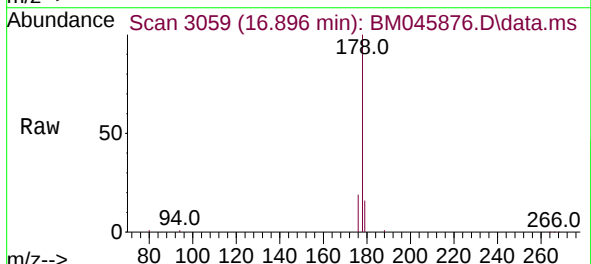
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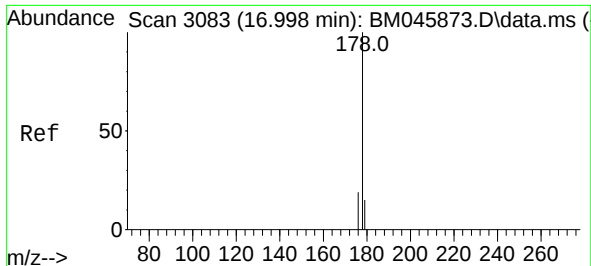
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



#15
Phenanthrene
Concen: 0.427 ng/ul m
RT: 16.896 min Scan# 3059
Delta R.T. -0.007 min
Lab File: BM045876.D
Acq: 07 Jun 2024 11:16

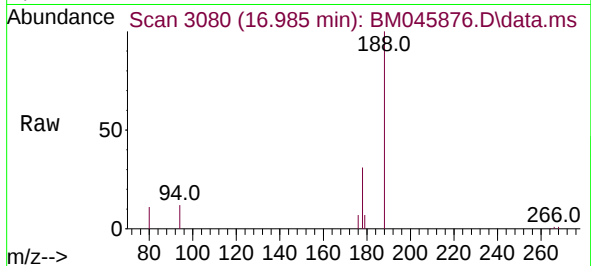
Tgt Ion:178 Resp: 31787
Ion Ratio Lower Upper
178 100
179 15.9 12.7 19.1
176 19.5 15.6 23.4





#16
 Anthracene
 Concen: 0.090 ng/ul m
 RT: 16.985 min Scan# 3083
 Delta R.T. -0.012 min
 Lab File: BM045876.D
 Acq: 07 Jun 2024 11:16

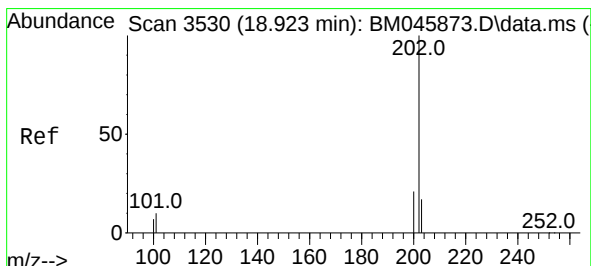
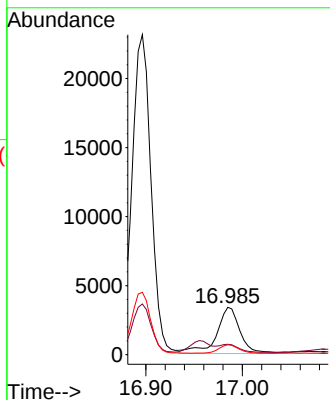
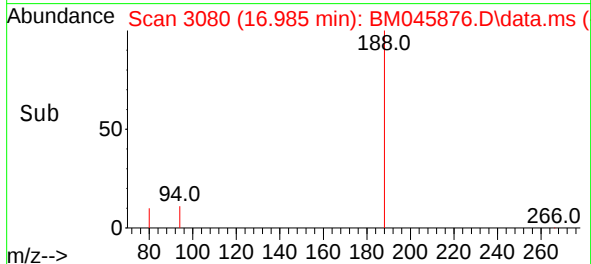
Instrument :
 BNA_M
 ClientSampleId :
 A4C44



Tgt Ion:178 Resp: 5724
 Ion Ratio Lower Upper
 178 100
 179 22.0 13.1 19.7
 176 21.0 15.5 23.3

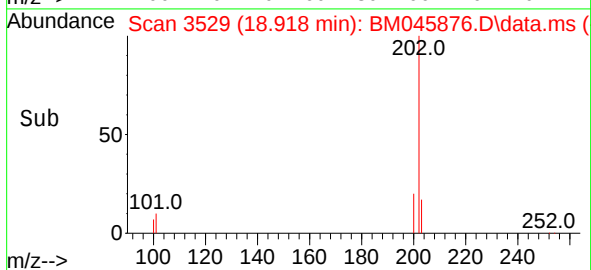
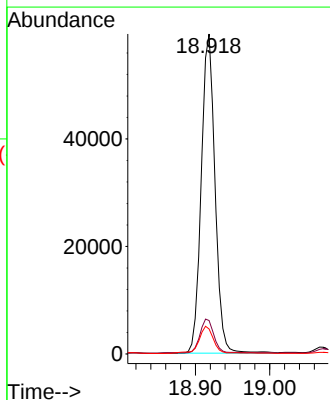
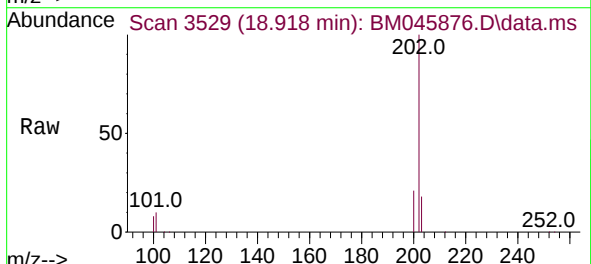
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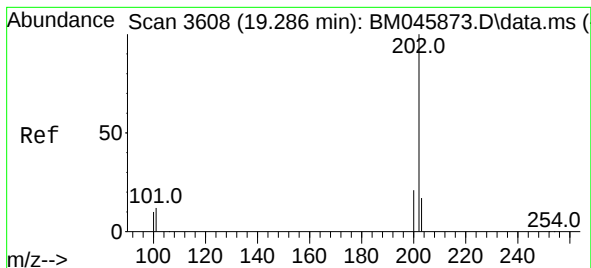
Reviewed By :Yogesh Patel 06/08/2024
 Supervised By :mohammad ahmed 06/13/2024



#19
 Fluoranthene
 Concen: 0.882 ng/ul
 RT: 18.918 min Scan# 3529
 Delta R.T. -0.004 min
 Lab File: BM045876.D
 Acq: 07 Jun 2024 11:16

Tgt Ion:202 Resp: 76453
 Ion Ratio Lower Upper
 202 100
 101 10.5 9.0 13.6
 100 7.8 7.0 10.6





#20

Pyrene

Concen: 0.683 ng/ul

RT: 19.276 min Scan# 3606

Delta R.T. -0.008 min

Lab File: BM045876.D

Acq: 07 Jun 2024 11:16

Instrument :

BNA_M

ClientSampleId :

A4C44

Tgt Ion:202 Resp: 6173

Ion Ratio Lower Upper

202 100

101 13.8 10.6 16.0

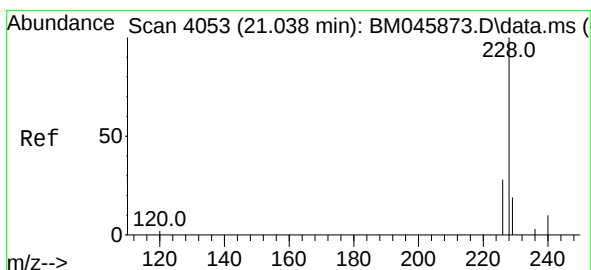
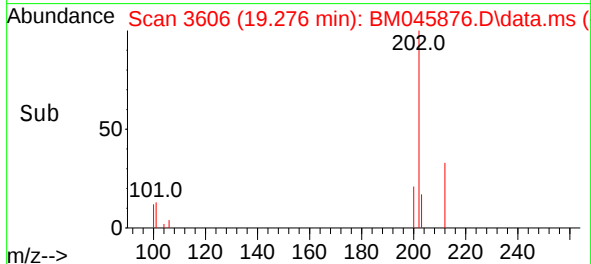
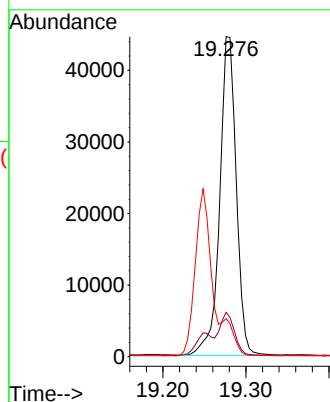
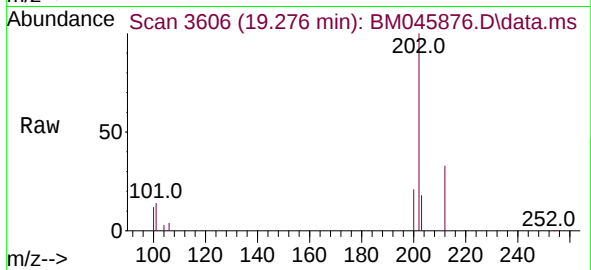
100 11.9 9.1 13.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/13/2024



#21

Benzo(a)anthracene

Concen: 0.363 ng/ul

RT: 21.032 min Scan# 4051

Delta R.T. -0.004 min

Lab File: BM045876.D

Acq: 07 Jun 2024 11:16

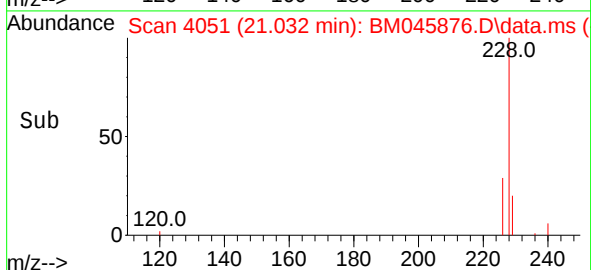
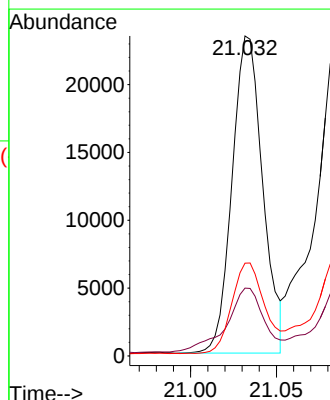
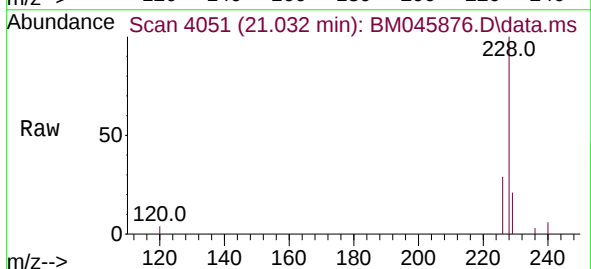
Tgt Ion:228 Resp: 28979

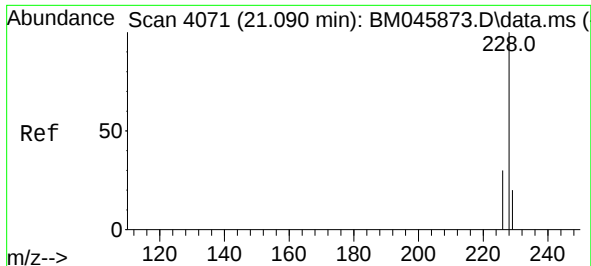
Ion Ratio Lower Upper

228 100

229 21.2 15.7 23.5

226 29.0 22.0 33.0





#22

Chrysene

Concen: 0.412 ng/ul

RT: 21.084 min Scan# 4069

Delta R.T. -0.004 min

Lab File: BM045876.D

Acq: 07 Jun 2024 11:16

Instrument :

BNA_M

ClientSampleId :

A4C44

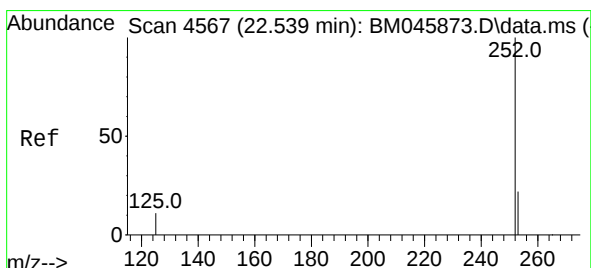
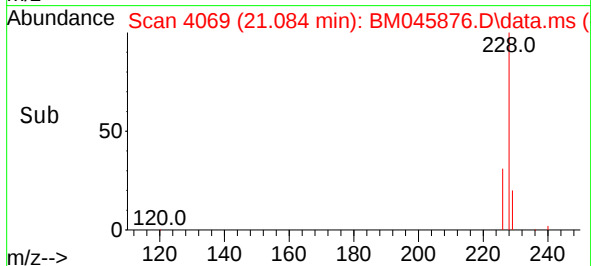
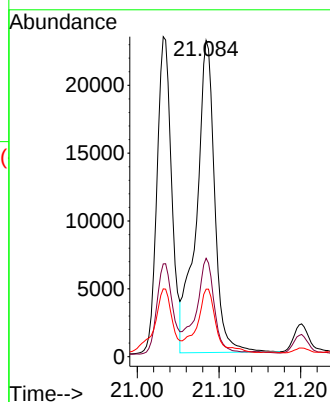
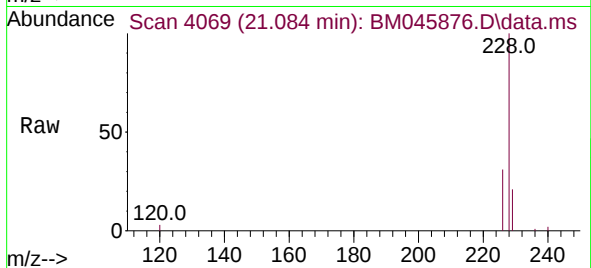
Tgt Ion:228 Resp: 35808
 Ion Ratio Lower Upper
 228 100
 226 31.1 24.5 36.7
 229 21.4 16.2 24.2

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: 0.645 ng/ul m

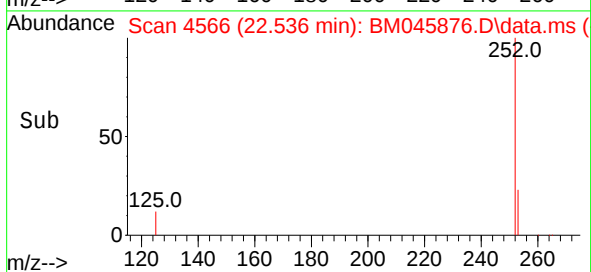
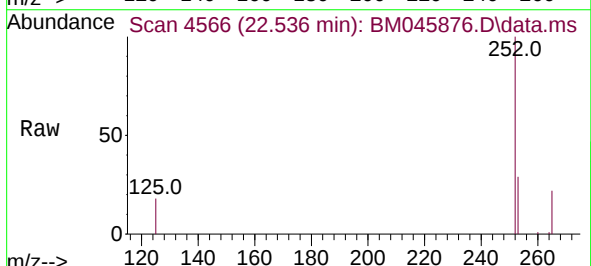
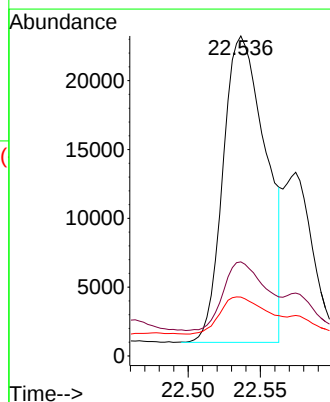
RT: 22.536 min Scan# 4566

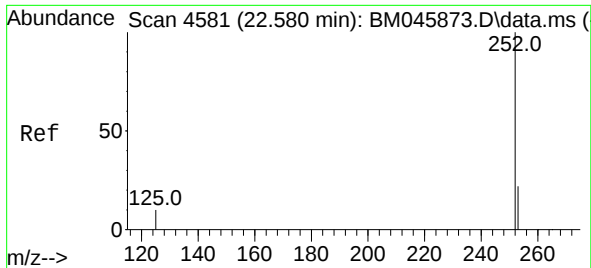
Delta R.T. -0.001 min

Lab File: BM045876.D

Acq: 07 Jun 2024 11:16

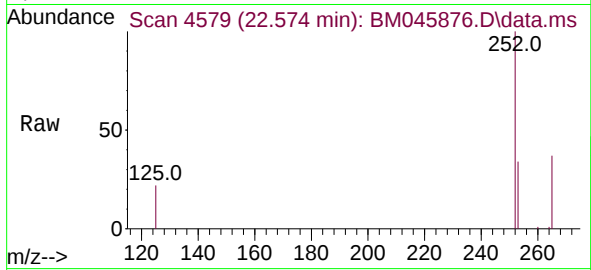
Tgt Ion:252 Resp: 45676
 Ion Ratio Lower Upper
 252 100
 253 29.4 0.0 63.6
 125 18.4 0.0 35.8





#25
Benzo(k)fluoranthene
Concen: 0.234 ng/ul m
RT: 22.574 min Scan# 4579
Delta R.T. -0.006 min
Lab File: BM045876.D
Acq: 07 Jun 2024 11:16

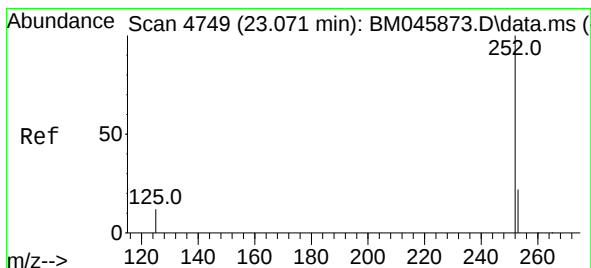
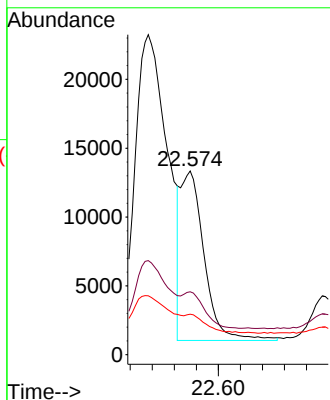
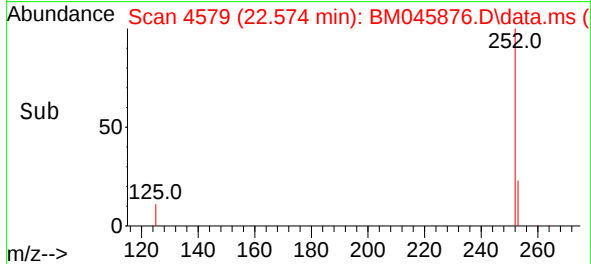
Instrument :
BNA_M
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A4C44



Tgt Ion:252 Resp: 18260
Ion Ratio Lower Upper
252 100
253 34.2 25.0 37.6
125 22.0 14.2 21.2

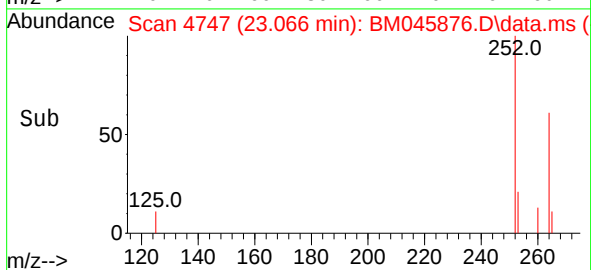
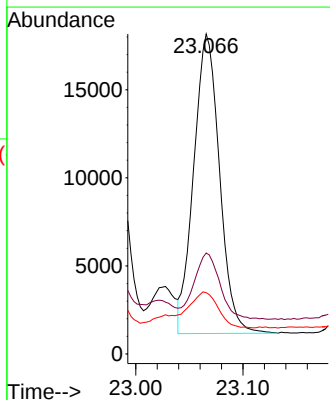
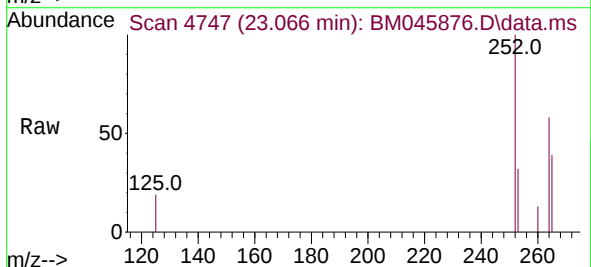
Manual Integrations
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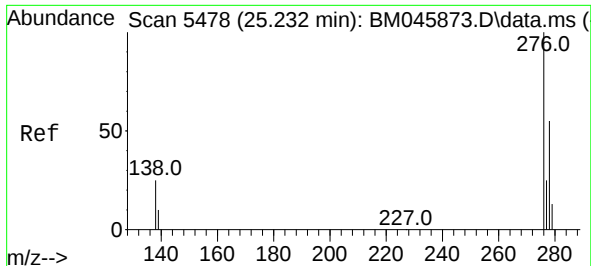
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



#26
Benzo(a)pyrene
Concen: 0.403 ng/ul
RT: 23.066 min Scan# 4747
Delta R.T. -0.006 min
Lab File: BM045876.D
Acq: 07 Jun 2024 11:16

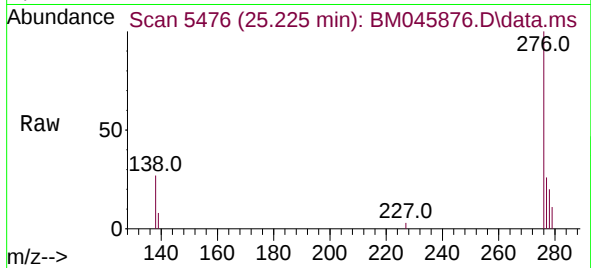
Tgt Ion:252 Resp: 28418
Ion Ratio Lower Upper
252 100
253 31.6 28.8 43.2
125 19.1 17.3 25.9





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.251 ng/ul
RT: 25.225 min Scan# 5476
Delta R.T. -0.007 min
Lab File: BM045876.D
Acq: 07 Jun 2024 11:16

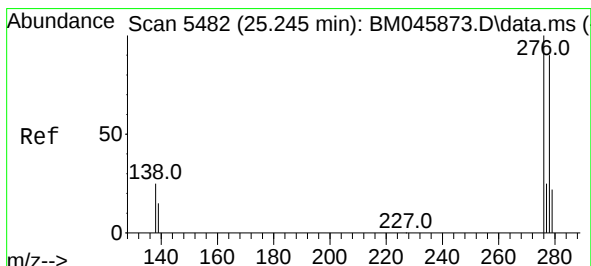
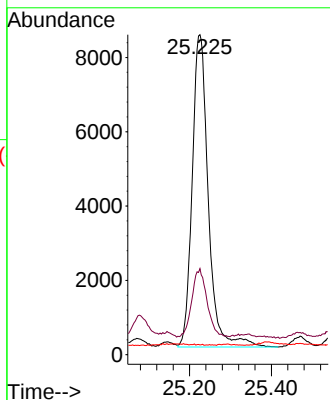
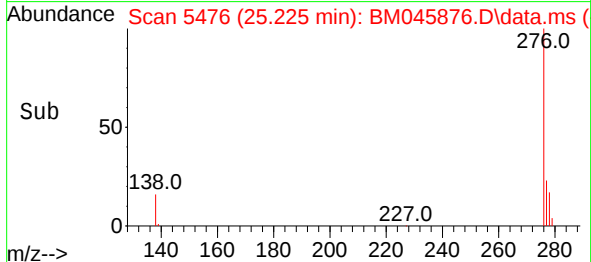
Instrument :
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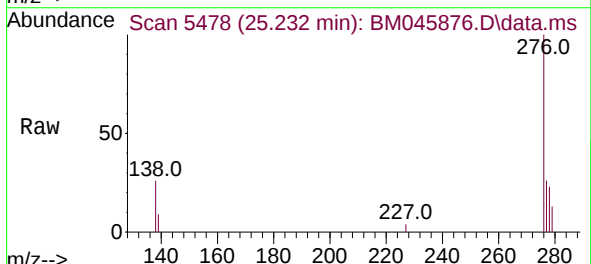
Tgt Ion:276 Resp: 22884
Ion Ratio Lower Upper
276 100
138 20.2 20.7 31.1#
227 0.1 0.2 0.2#

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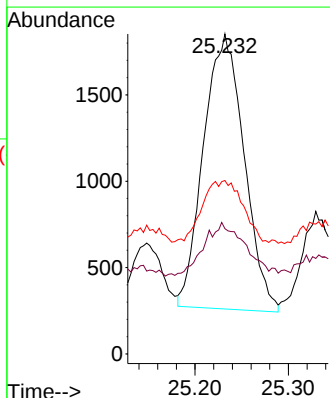
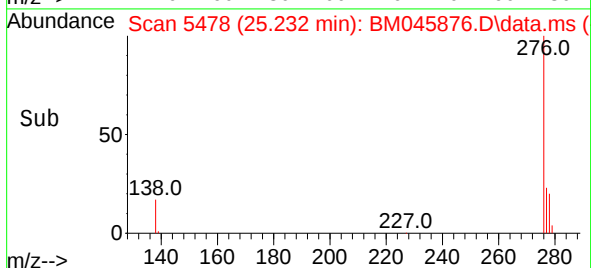
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024

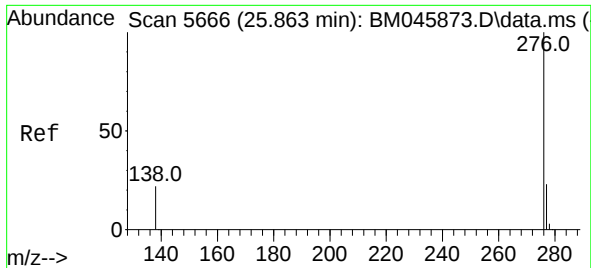


#28
Dibenzo(a,h)anthracene
Concen: 0.066 ng/ul
RT: 25.232 min Scan# 5478
Delta R.T. -0.017 min
Lab File: BM045876.D
Acq: 07 Jun 2024 11:16



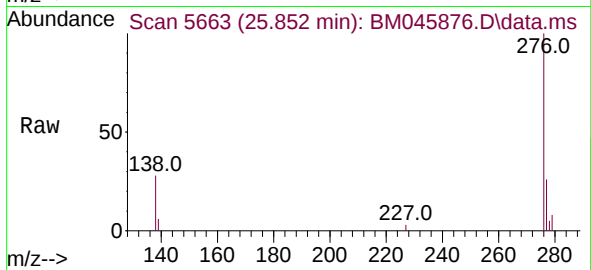
Tgt Ion:278 Resp: 4794
Ion Ratio Lower Upper
278 100
139 39.1 16.6 25.0#
279 54.2 24.6 37.0#





#29
Benzo(g,h,i)perylene
Concen: 0.292 ng/ul
RT: 25.852 min Scan# 50
Delta R.T. -0.010 min
Lab File: BM045876.D
Acq: 07 Jun 2024 11:16

Instrument :
BNA_M
ClientSampleId :
A4C44



Tgt Ion:276 Resp: 2298
Ion Ratio Lower Upper
276 100
138 27.6 21.0 31.4
277 25.9 20.5 30.7

Manual Integrations
APPROVED

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