

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045889.D
 Acq On : 07 Jun 2024 20:30
 Operator : MA/JU
 Sample : P2586-20
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C56

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 23:01:48 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	7.468	152	5884	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.237	136	20299	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.112	164	11061	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.853	188	24401m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.047	240	18880m	0.400	ng/ul	0.00
23) Perylene-d12	23.160	264	20179m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.059	96	26635	3.974	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.837	152	7240	0.248	ng/ul	-0.01
18) Fluoranthene-d10	18.885	212	15115m	0.267	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.286	128	3979	0.075	ng/ul#	94
7) 2-Methylnaphthalene	11.914	142	1320	0.039	ng/ul	99
8) 1-Methylnaphthalene	12.134	142	1102	0.030	ng/ul	97
10) Acenaphthylene	13.830	152	13454	0.267	ng/ul	99
11) Acenaphthene	14.177	153	6860	0.186	ng/ul	97
12) Fluorene	15.167	166	9143	0.221	ng/ul	99
14) Pentachlorophenol	16.536	266	161	0.035	ng/ul	98
15) Phenanthrene	16.895	178	199353m	2.910	ng/ul	
16) Anthracene	16.984	178	43355m	0.742	ng/ul	
19) Fluoranthene	18.917	202	413545m	5.493	ng/ul	
20) Pyrene	19.280	202	333226m	4.243	ng/ul	
21) Benzo(a)anthracene	21.032	228	171903m	2.481	ng/ul	
22) Chrysene	21.085	228	182192m	2.415	ng/ul	
24) Benzo(b)fluoranthene	22.534	252	237165m	3.543	ng/ul	
25) Benzo(k)fluoranthene	22.572	252	78876m	1.072	ng/ul	
26) Benzo(a)pyrene	23.066	252	153159m	2.301	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.223	276	112314m	1.305	ng/ul	
28) Dibenzo(a,h)anthracene	25.229	278	27615m	0.401	ng/ul	
29) Benzo(g,h,i)perylene	25.853	276	115044m	1.550	ng/ul	

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

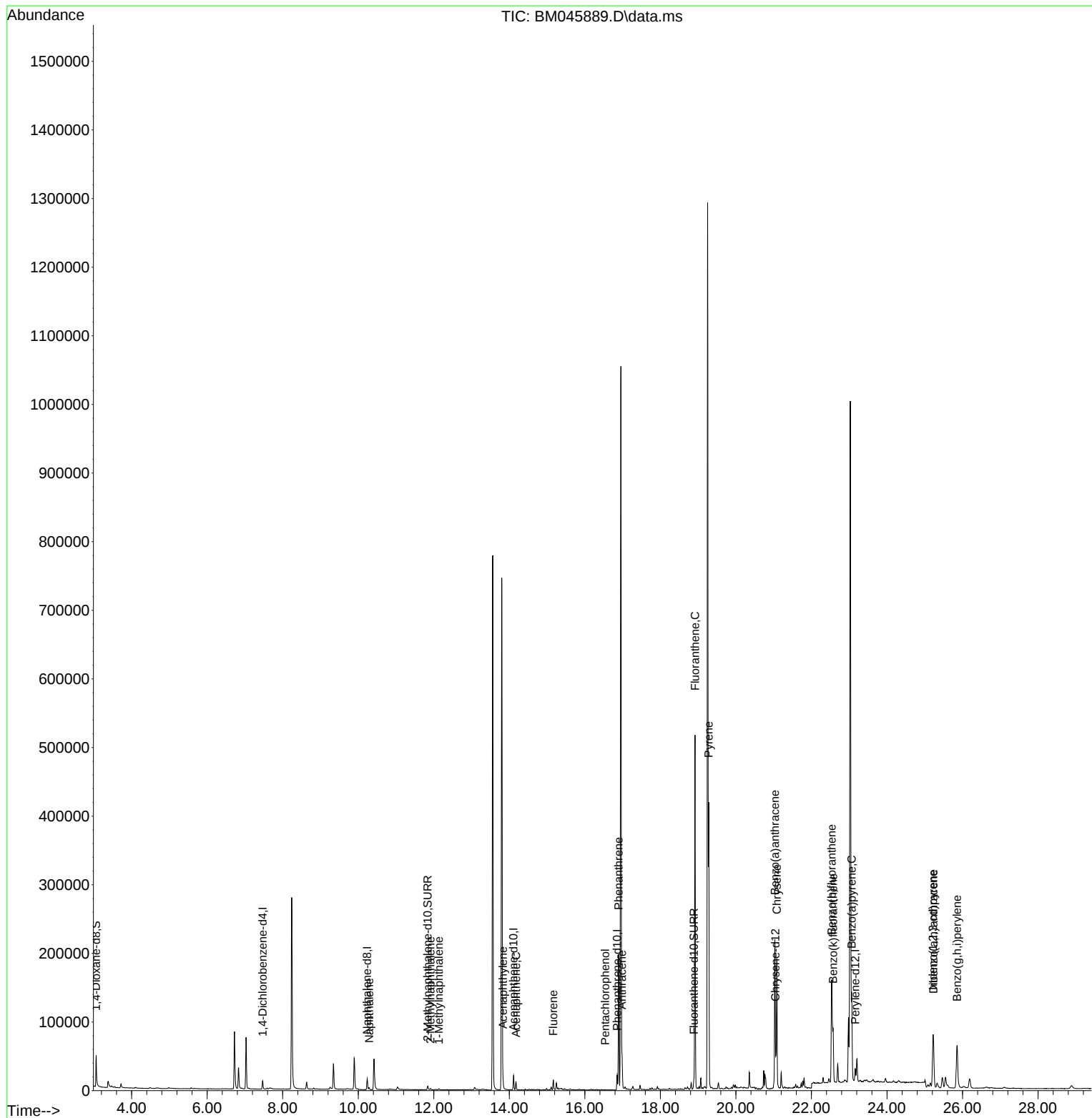
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045889.D
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ALS Vial : 17 Sample Multiplier: 1

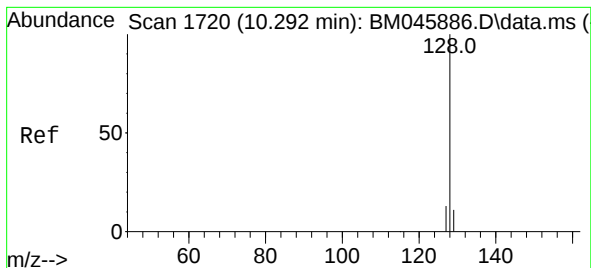
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.075 ng/ul

RT: 10.286 min Scan# 1719

Delta R.T. -0.016 min

Lab File: BM045889.D

Acq: 07 Jun 2024 20:30

Instrument :

BNA_M

ClientSampleId :

A4C56

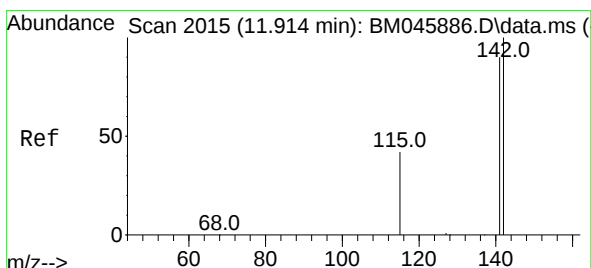
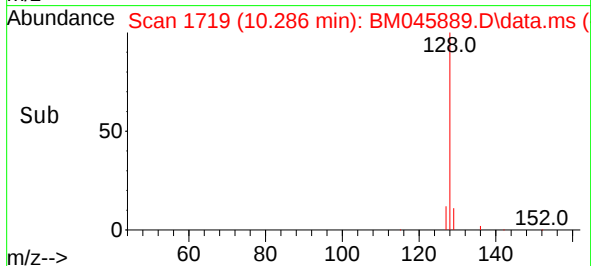
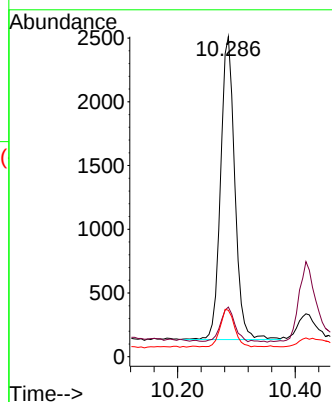
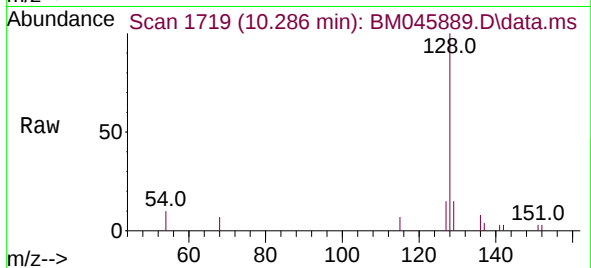
Tgt Ion:128	Resp:	3979
Ion Ratio	Lower	Upper
128	100	
129	15.5	9.4 14.0
127	14.5	10.6 15.8

Manual Integrations

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Supervised By :mohammad ahmed 06/13/2024



#7

2-Methylnaphthalene

Concen: 0.039 ng/ul

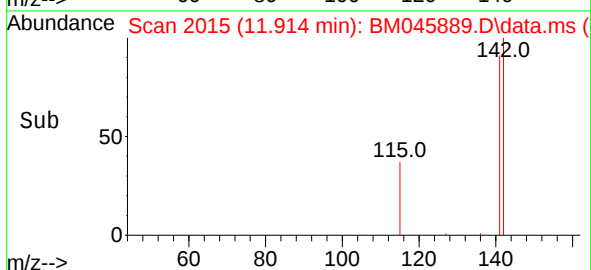
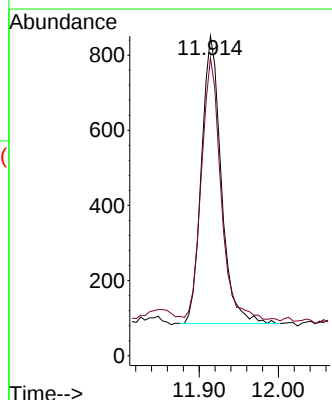
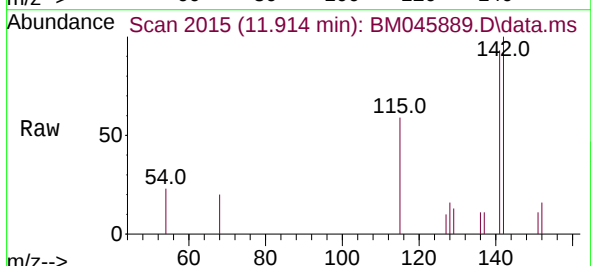
RT: 11.914 min Scan# 2015

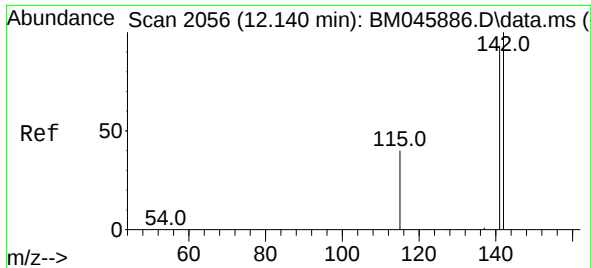
Delta R.T. -0.005 min

Lab File: BM045889.D

Acq: 07 Jun 2024 20:30

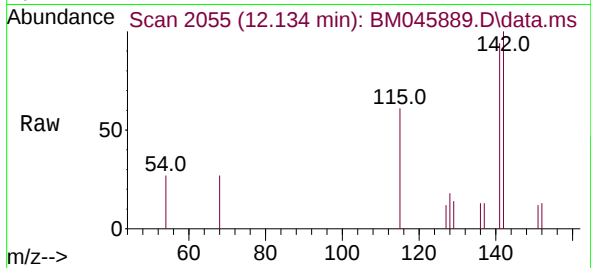
Tgt Ion:142	Resp:	1320
Ion Ratio	Lower	Upper
142	100	
141	91.4	72.2 108.4





#8
1-Methylnaphthalene
Concen: 0.030 ng/ul
RT: 12.134 min Scan# 2055
Delta R.T. -0.011 min
Lab File: BM045889.D
Acq: 07 Jun 2024 20:30

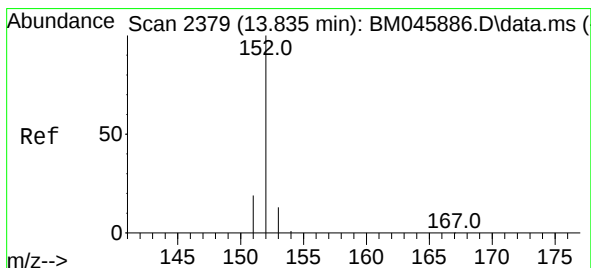
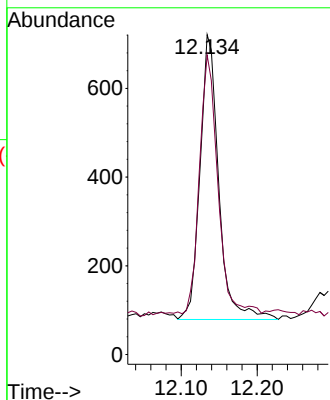
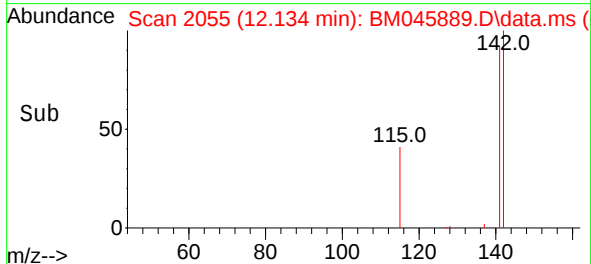
Instrument :
BNA_M
ClientSampleId :
A4C56



Tgt Ion:142 Resp: 1102
Ion Ratio Lower Upper
142 100
141 88.6 73.5 110.3

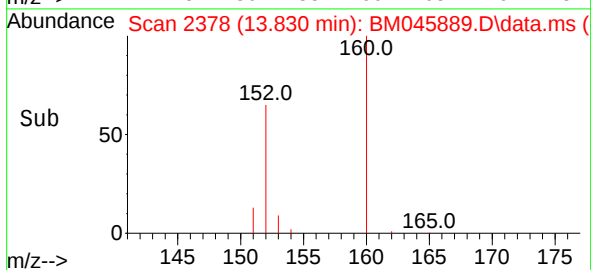
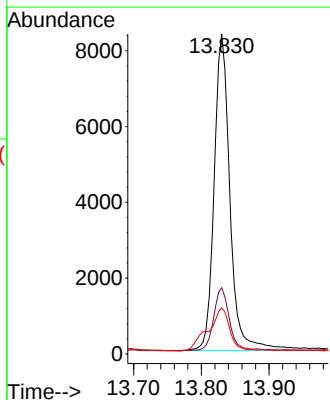
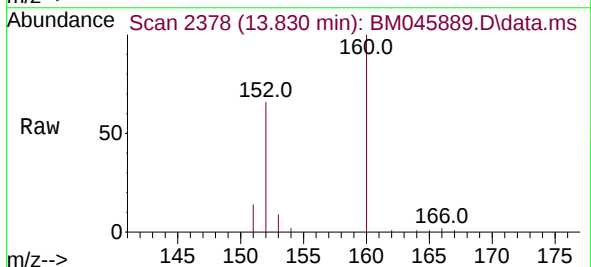
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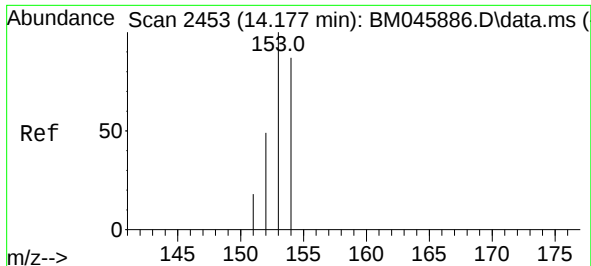
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



#10
Acenaphthylene
Concen: 0.267 ng/ul
RT: 13.830 min Scan# 2378
Delta R.T. -0.009 min
Lab File: BM045889.D
Acq: 07 Jun 2024 20:30

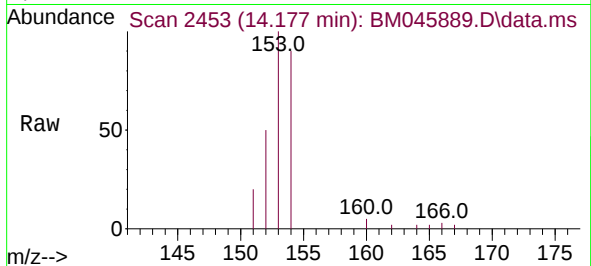
Tgt Ion:152 Resp: 13454
Ion Ratio Lower Upper
152 100
151 20.7 16.4 24.6
153 14.4 11.1 16.7





#11
Acenaphthene
Concen: 0.186 ng/ul
RT: 14.177 min Scan# 2453
Delta R.T. -0.005 min
Lab File: BM045889.D
Acq: 07 Jun 2024 20:30

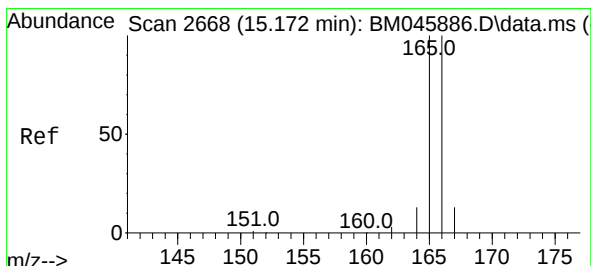
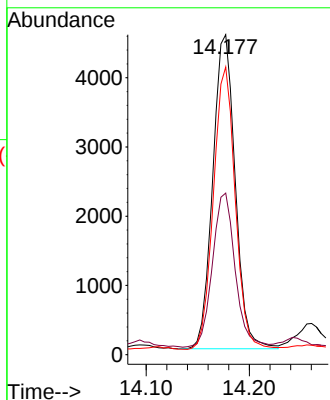
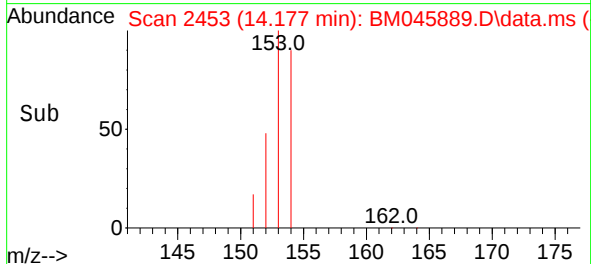
Instrument :
BNA_M
ClientSampleId :
A4C56



Tgt Ion:153 Resp: 6860
Ion Ratio Lower Upper
153 100
152 50.5 39.0 58.4
154 89.9 69.4 104.2

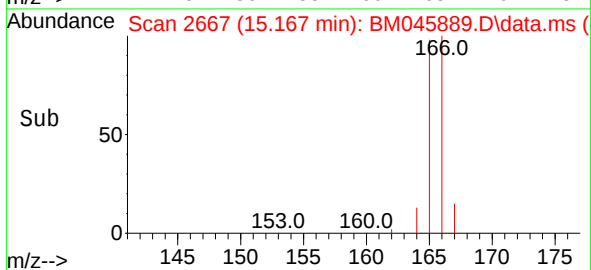
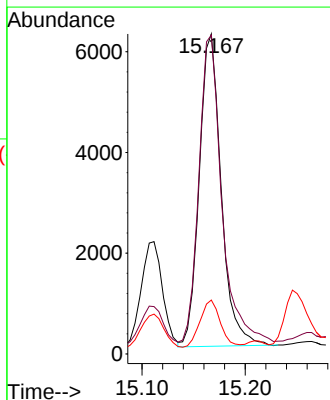
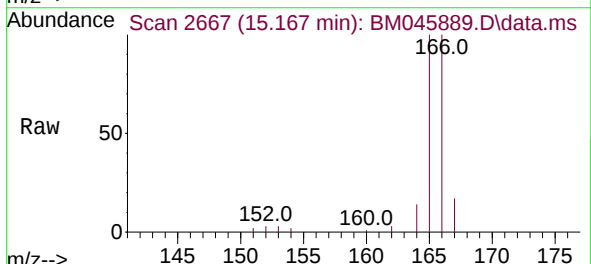
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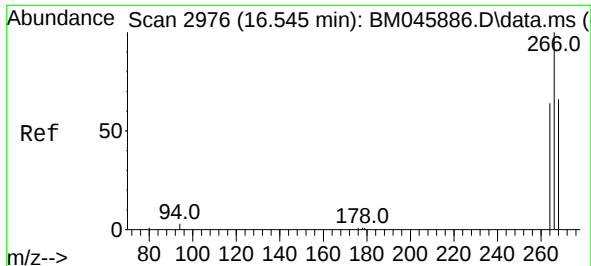
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



#12
Fluorene
Concen: 0.221 ng/ul
RT: 15.167 min Scan# 2667
Delta R.T. -0.009 min
Lab File: BM045889.D
Acq: 07 Jun 2024 20:30

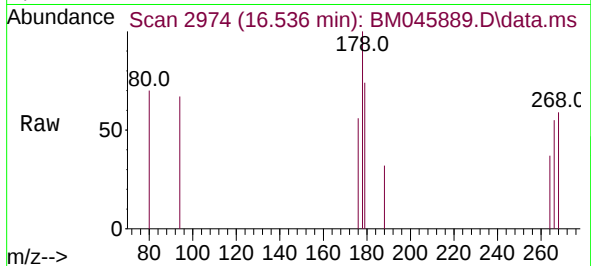
Tgt Ion:166 Resp: 9143
Ion Ratio Lower Upper
166 100
165 99.7 79.7 119.5
167 16.9 11.3 16.9





#14
Pentachlorophenol
Concen: 0.035 ng/ul
RT: 16.536 min Scan# 20
Delta R.T. -0.017 min
Lab File: BM045889.D
Acq: 07 Jun 2024 20:30

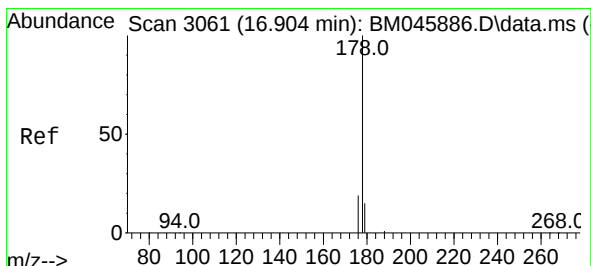
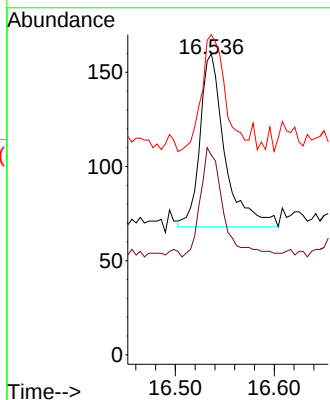
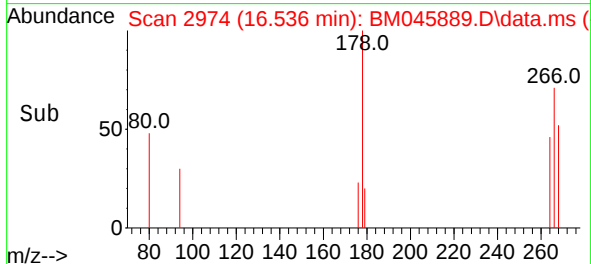
Instrument :
BNA_M
ClientSampleId :
A4C56



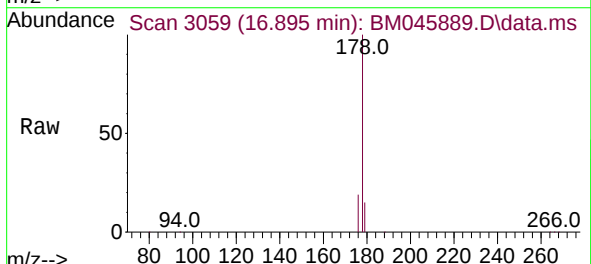
Tgt Ion:266 Resp: 16
Ion Ratio Lower Upper
266 100
264 58.4 47.9 71.9
268 62.1 50.9 76.3

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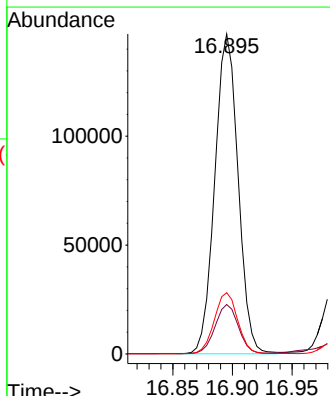
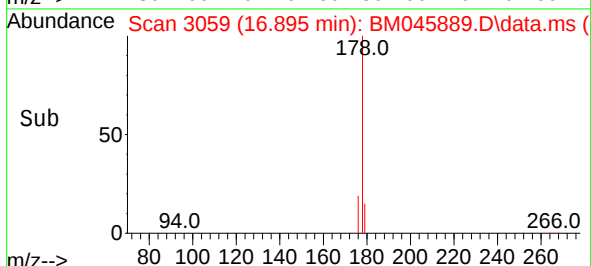
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024

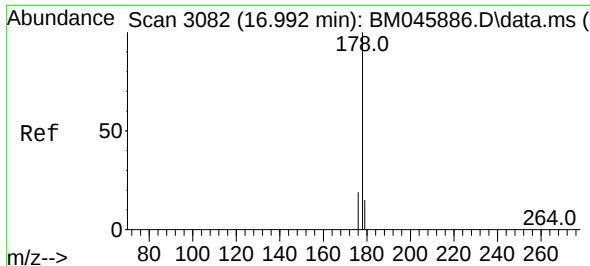


#15
Phenanthrene
Concen: 2.910 ng/ul m
RT: 16.895 min Scan# 3059
Delta R.T. -0.008 min
Lab File: BM045889.D
Acq: 07 Jun 2024 20:30



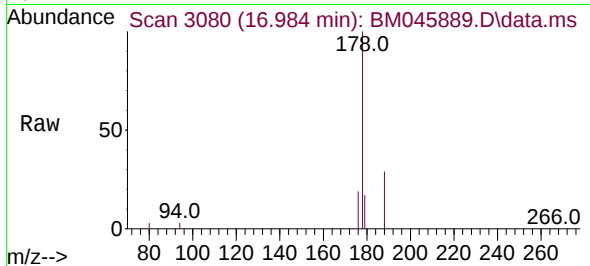
Tgt Ion:178 Resp: 199353
Ion Ratio Lower Upper
178 100
179 15.5 12.7 19.1
176 19.2 15.6 23.4





#16
 Anthracene
 Concen: 0.742 ng/ul m
 RT: 16.984 min Scan# 3080
 Delta R.T. -0.013 min
 Lab File: BM045889.D
 Acq: 07 Jun 2024 20:30

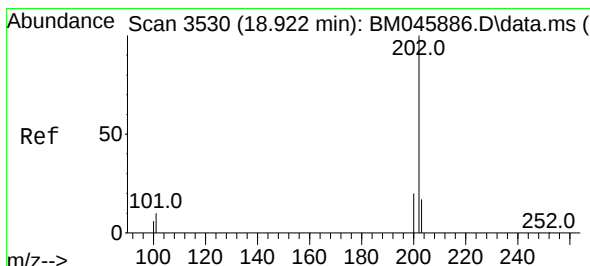
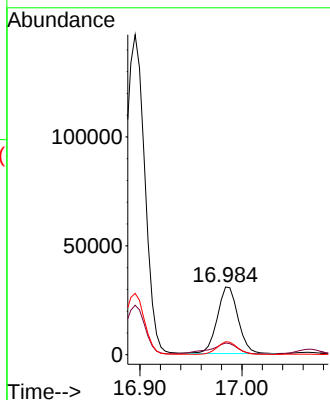
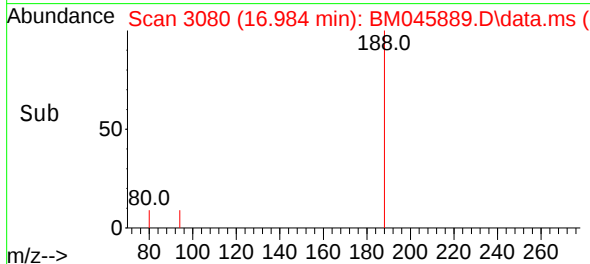
Instrument :
 BNA_M
 ClientSampleId :
 A4C56



Tgt Ion:178 Resp: 4335
 Ion Ratio Lower Upper
 178 100
 179 17.2 13.1 19.7
 176 19.2 15.5 23.3

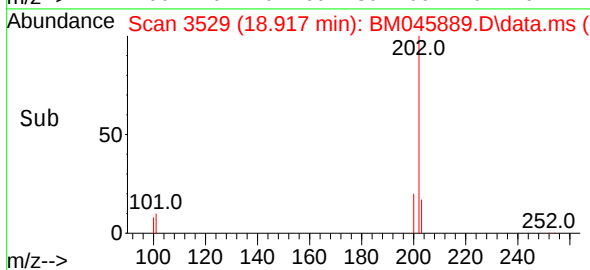
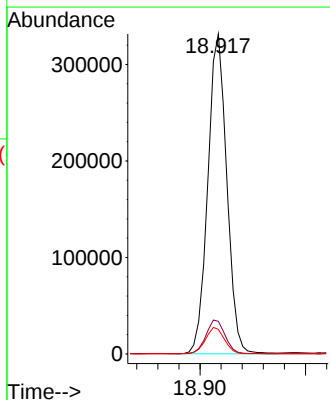
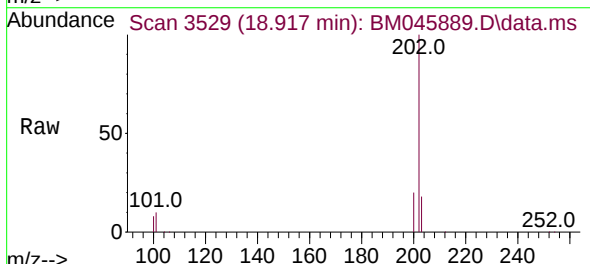
Manual Integrations
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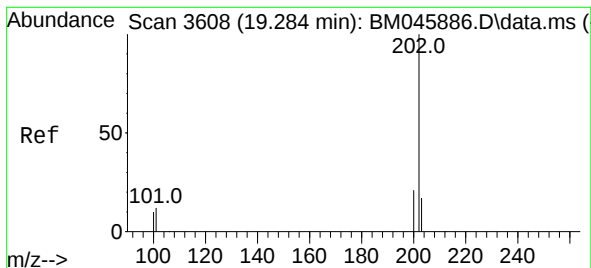
Reviewed By :Yogesh Patel 06/08/2024
 Supervised By :mohammad ahmed 06/13/2024



#19
 Fluoranthene
 Concen: 5.493 ng/ul m
 RT: 18.917 min Scan# 3529
 Delta R.T. -0.005 min
 Lab File: BM045889.D
 Acq: 07 Jun 2024 20:30

Tgt Ion:202 Resp: 413545
 Ion Ratio Lower Upper
 202 100
 101 10.2 9.0 13.6
 100 7.7 7.0 10.6





#20

Pyrene

Concen: 4.243 ng/ul m

RT: 19.280 min Scan# 3

Delta R.T. -0.005 min

Lab File: BM045889.D

Acq: 07 Jun 2024 20:30

Instrument :

BNA_M

ClientSampleId :

A4C56

Tgt Ion:202 Resp: 333220

Ion Ratio Lower Upper

202 100

101 12.4 10.6 16.0

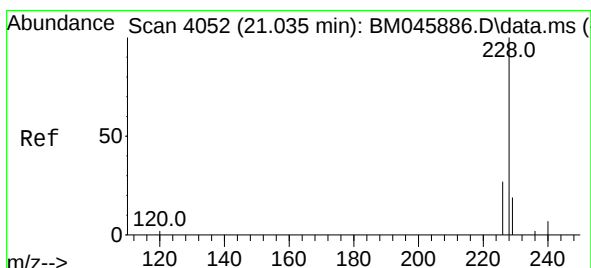
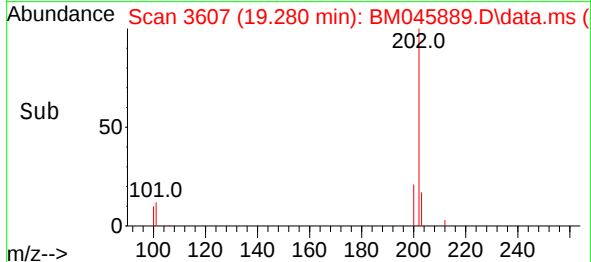
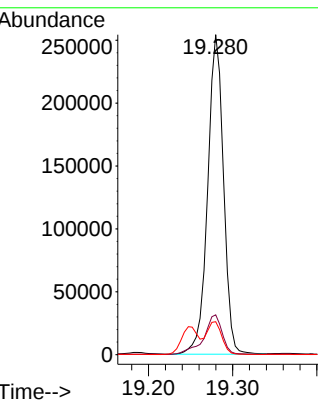
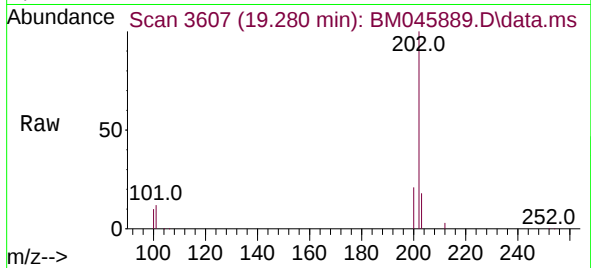
100 10.3 9.1 13.7

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: 2.481 ng/ul m

RT: 21.032 min Scan# 4051

Delta R.T. -0.003 min

Lab File: BM045889.D

Acq: 07 Jun 2024 20:30

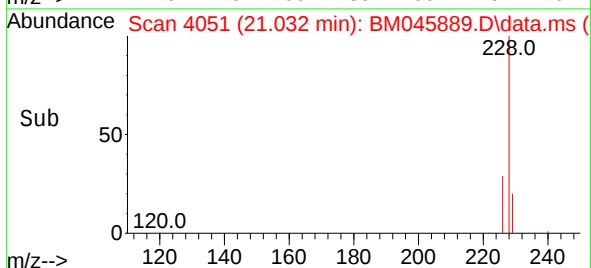
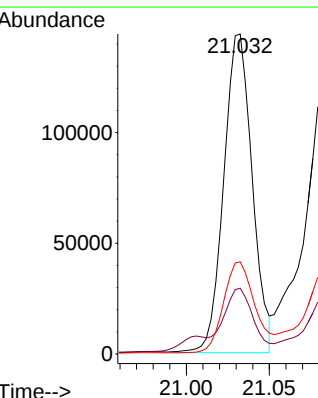
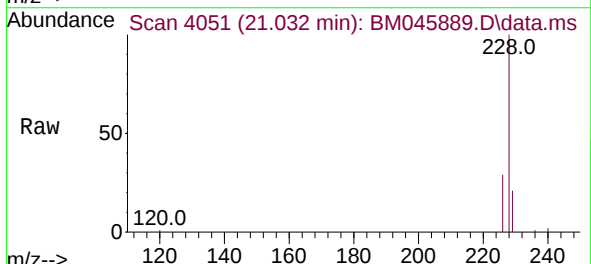
Tgt Ion:228 Resp: 171903

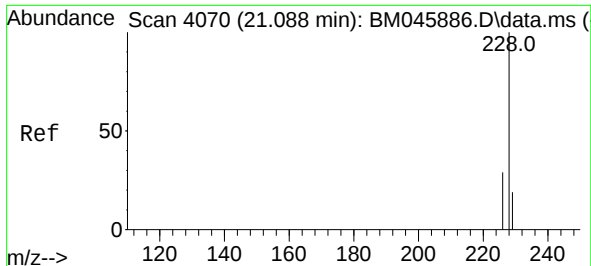
Ion Ratio Lower Upper

228 100

229 20.6 15.7 23.5

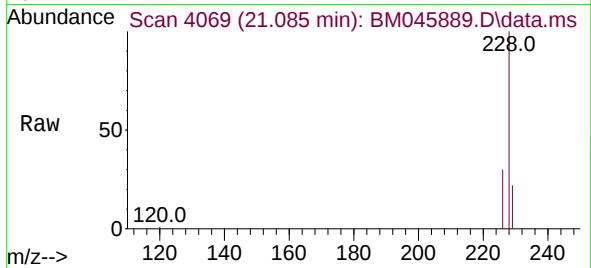
226 28.8 22.0 33.0





#22
Chrysene
Concen: 2.415 ng/ul m
RT: 21.085 min Scan# 4070
Delta R.T. -0.003 min
Lab File: BM045889.D
Acq: 07 Jun 2024 20:30

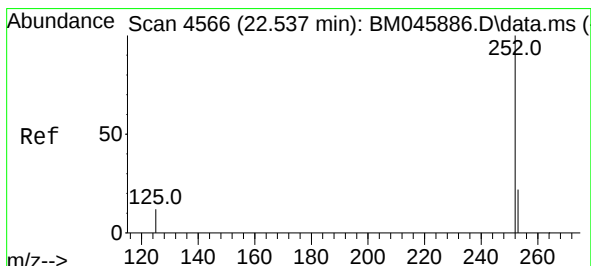
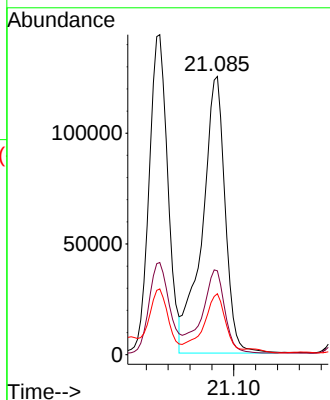
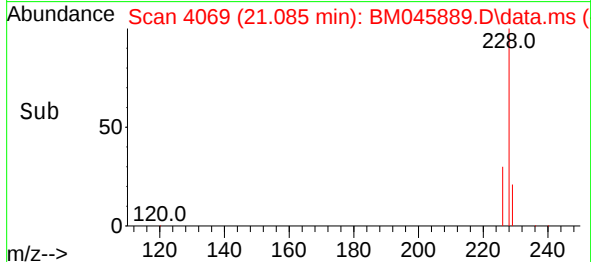
Instrument :
BNA_M
ClientSampleId :
A4C56



Tgt Ion:228 Resp: 182192
Ion Ratio Lower Upper
228 100
226 30.1 24.5 36.7
229 21.9 16.2 24.2

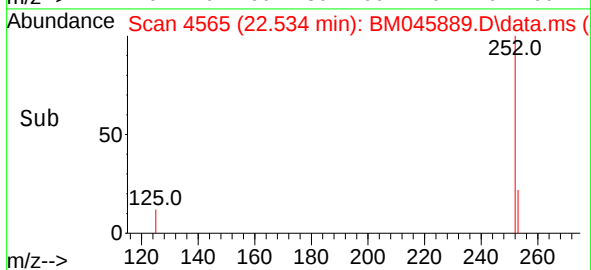
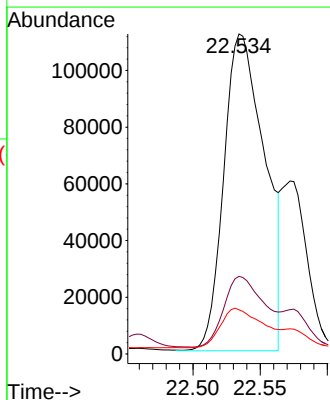
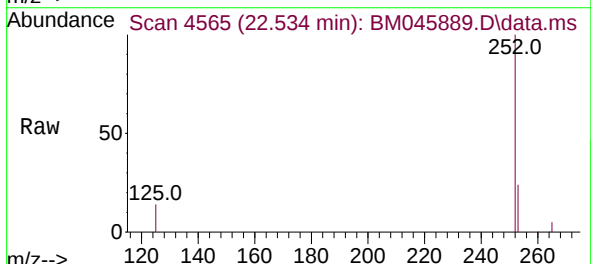
Manual Integrations
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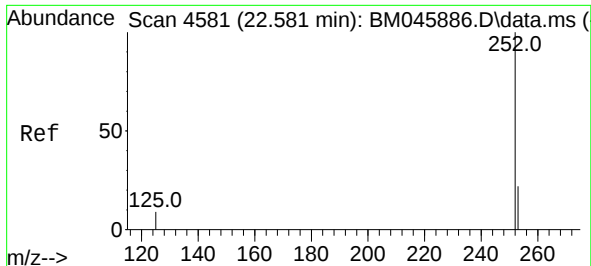
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



#24
Benzo(b)fluoranthene
Concen: 3.543 ng/ul m
RT: 22.534 min Scan# 4565
Delta R.T. -0.003 min
Lab File: BM045889.D
Acq: 07 Jun 2024 20:30

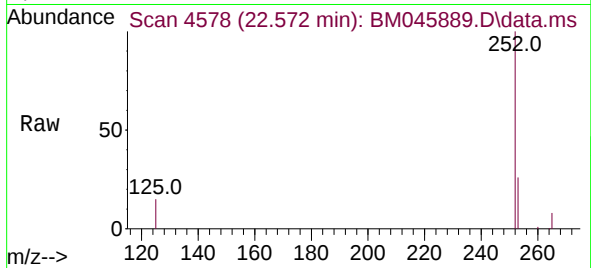
Tgt Ion:252 Resp: 237165
Ion Ratio Lower Upper
252 100
253 24.3 0.0 63.6
125 13.8 0.0 35.8





#25
Benzo(k)fluoranthene
Concen: 1.072 ng/ul m
RT: 22.572 min Scan# 4578
Delta R.T. -0.009 min
Lab File: BM045889.D
Acq: 07 Jun 2024 20:30

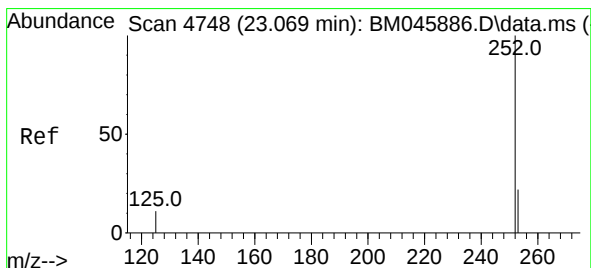
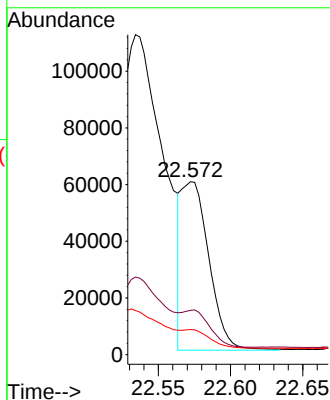
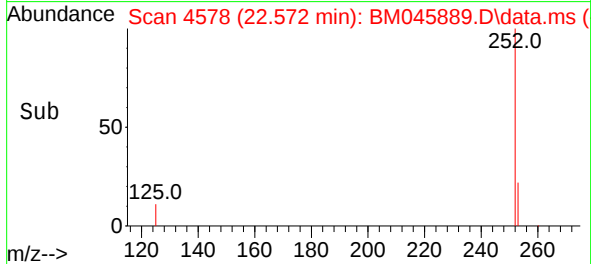
Instrument :
BNA_M
ClientSampleId :
A4C56



Tgt Ion:252 Resp: 78870
Ion Ratio Lower Upper
252 100
253 25.6 25.0 37.6
125 14.5 14.2 21.2

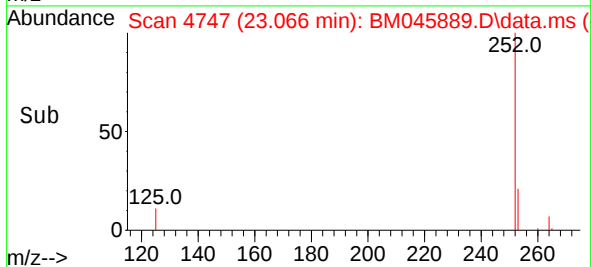
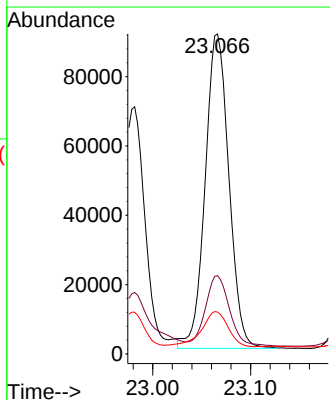
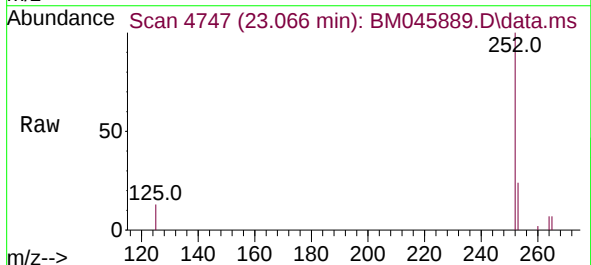
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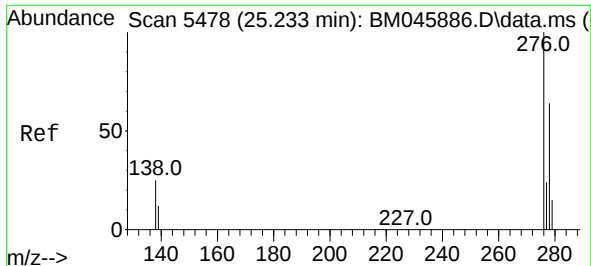
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



#26
Benzo(a)pyrene
Concen: 2.301 ng/ul m
RT: 23.066 min Scan# 4747
Delta R.T. -0.006 min
Lab File: BM045889.D
Acq: 07 Jun 2024 20:30

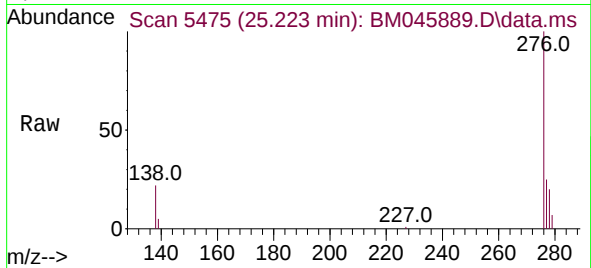
Tgt Ion:252 Resp: 153159
Ion Ratio Lower Upper
252 100
253 24.5 28.8 43.2#
125 13.1 17.3 25.9#





#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.305 ng/ul m
 RT: 25.223 min Scan# 5478
 Delta R.T. -0.010 min
 Lab File: BM045889.D
 Acq: 07 Jun 2024 20:30

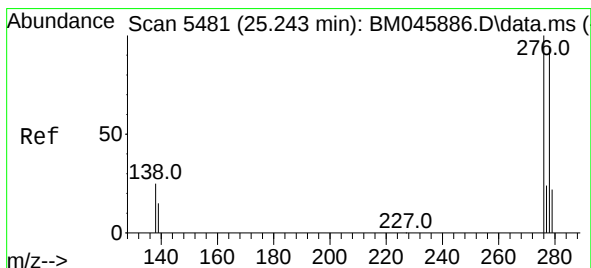
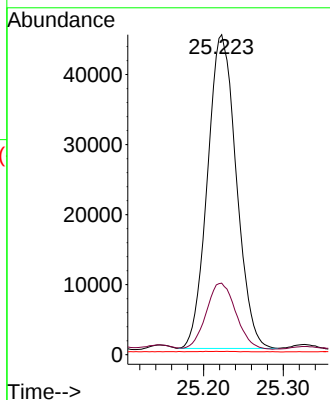
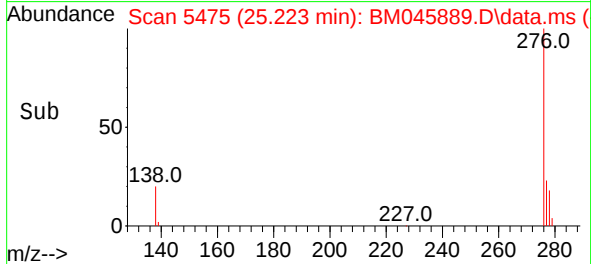
Instrument :
 BNA_M
 ClientSampleId :
 A4C56



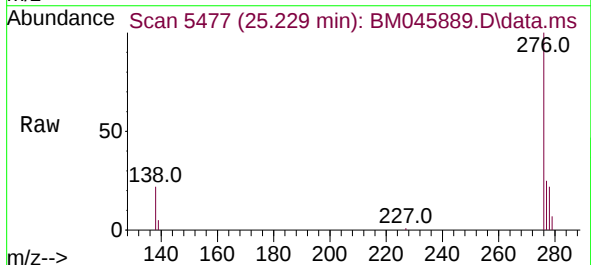
Tgt Ion:276 Resp: 112314
 Ion Ratio Lower Upper
 276 100
 138 2.4 20.7 31.1
 227 0.1 0.2 0.2

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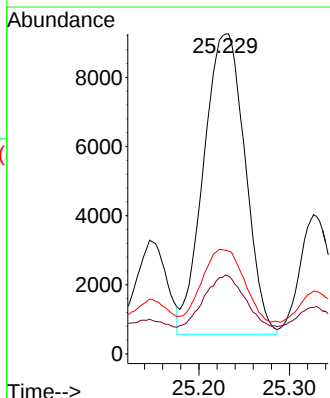
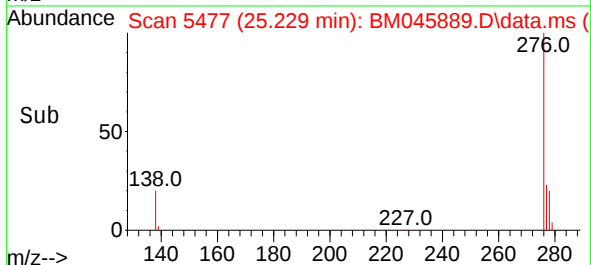
Reviewed By :Yogesh Patel 06/08/2024
 Supervised By :mohammad ahmed 06/13/2024

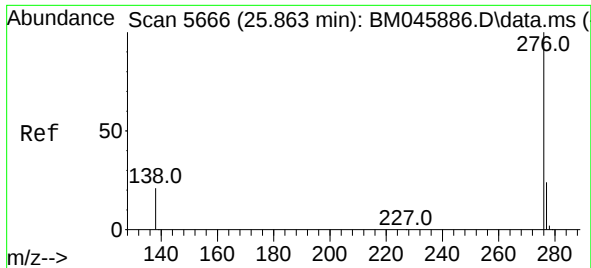


#28
 Dibenzo(a,h)anthracene
 Concen: 0.401 ng/ul m
 RT: 25.229 min Scan# 5477
 Delta R.T. -0.020 min
 Lab File: BM045889.D
 Acq: 07 Jun 2024 20:30



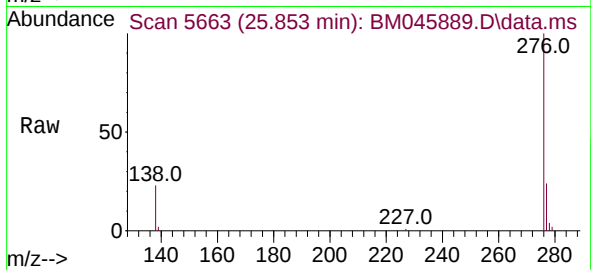
Tgt Ion:278 Resp: 27615
 Ion Ratio Lower Upper
 278 100
 139 24.7 16.6 25.0
 279 32.4 24.6 37.0





#29
Benzo(g,h,i)perylene
Concen: 1.550 ng/ul m
RT: 25.853 min Scan# 5
Delta R.T. -0.010 min
Lab File: BM045889.D
Acq: 07 Jun 2024 20:30

Instrument :
BNA_M
ClientSampleId :
A4C56



Tgt Ion:276 Resp: 11504
Ion Ratio Lower Upper
276 100
138 23.4 21.0 31.4
277 24.1 20.5 30.7

Manual Integrations
APPROVED

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

