

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046255.D
 Acq On : 24 Jun 2024 16:17
 Operator : MA/JU
 Sample : P2776-01DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CY6DL

Manual Integrations
 APPROVED

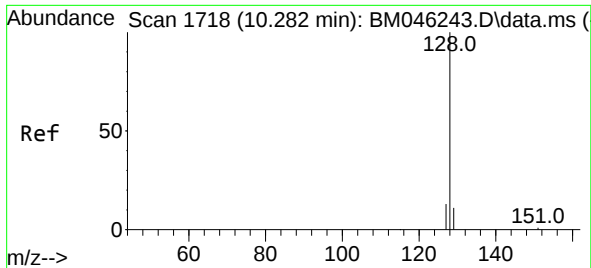
Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 24 17:25:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 24 02:25:34 2024
 Response via : Initial Calibration

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

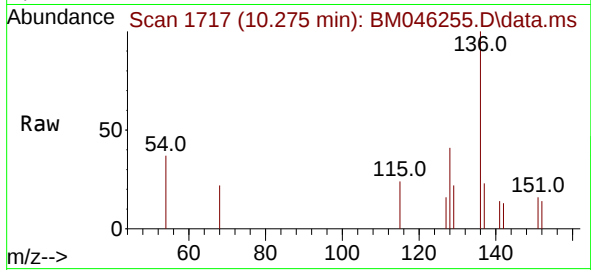
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.417	152	2029	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.226	136	5761	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.071	164	3438	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.819	188	6499	0.400	ng/ul	-0.04
17) Chrysene-d12	21.015	240	5507	0.400	ng/ul	-0.03
23) Perylene-d12	23.098	264	6755m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	1772	0.637	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.859	152	380	0.049	ng/ul	0.00
18) Fluoranthene-d10	18.848	212	822	0.050	ng/ul	-0.04
Target Compounds						
					Qvalue	
5) Naphthalene	10.275	128	441	0.027	ng/ul#	27
10) Acenaphthylene	13.793	152	985	0.060	ng/ul#	68
11) Acenaphthene	14.131	153	430	0.037	ng/ul#	88
12) Fluorene	15.135	166	474	0.038	ng/ul#	93
15) Phenanthrene	16.857	178	9087	0.498	ng/ul	100
16) Anthracene	16.950	178	2047	0.151	ng/ul#	86
19) Fluoranthene	18.875	202	20856	0.875	ng/ul	97
20) Pyrene	19.233	202	23926	0.928	ng/ul	99
21) Benzo(a)anthracene	21.000	228	9246	0.435	ng/ul	94
22) Chrysene	21.050	228	9837	0.362	ng/ul	98
24) Benzo(b)fluoranthene	22.484	252	16592m	0.682	ng/ul	
25) Benzo(k)fluoranthene	22.522	252	6012m	0.208	ng/ul	
26) Benzo(a)pyrene	23.008	252	13680m	0.607	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.152	276	9009	0.244	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.149	278	1808	0.066	ng/ul#	53
29) Benzo(g,h,i)perylene	25.773	276	2705	0.085	ng/ul#	73

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



#5
Naphthalene
Concen: 0.027 ng/ul
RT: 10.275 min Scan# 11
Delta R.T. -0.027 min
Lab File: BM046255.D
Acq: 24 Jun 2024 16:17

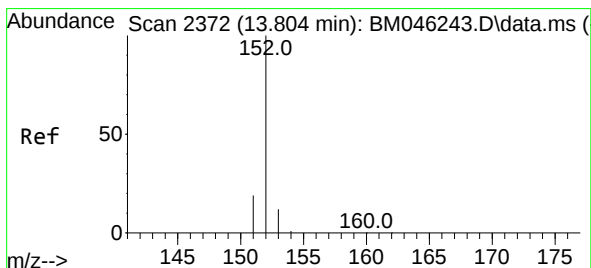
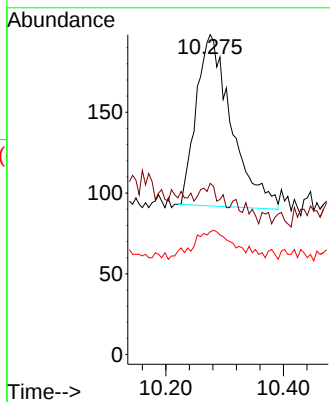
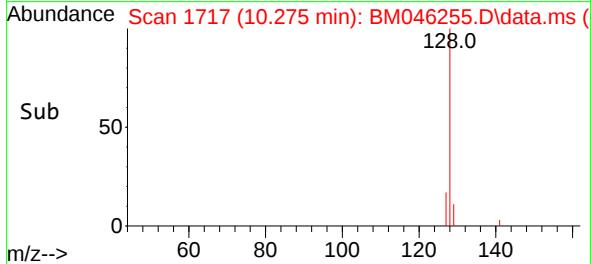
Instrument :
BNA_M
ClientSampleId :
A4CY6DL



Tgt Ion:128 Resp: 44
Ion Ratio Lower Upper
128 100
129 53.5 11.8 17.6
127 38.4 12.8 19.2

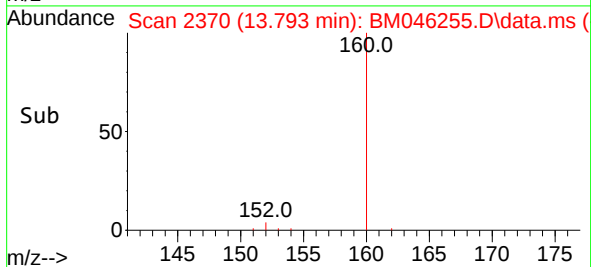
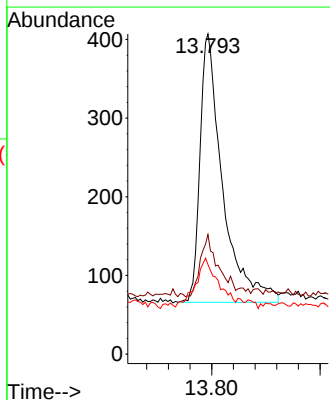
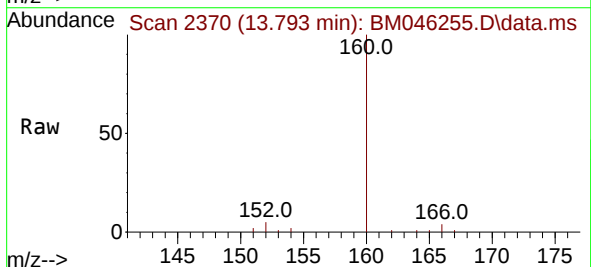
Manual Integrations
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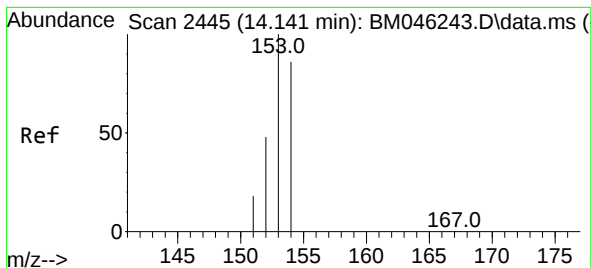
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



#10
Acenaphthylene
Concen: 0.060 ng/ul
RT: 13.793 min Scan# 2370
Delta R.T. -0.042 min
Lab File: BM046255.D
Acq: 24 Jun 2024 16:17

Tgt Ion:152 Resp: 985
Ion Ratio Lower Upper
152 100
151 37.3 17.4 26.2#
153 28.0 11.8 17.8#





#11

Acenaphthene

Concen: 0.037 ng/u1

RT: 14.131 min Scan# 2443

Delta R.T. -0.042 min

Lab File: BM046255.D

Acq: 24 Jun 2024 16:17

Instrument :

BNA_M

ClientSampleId :

A4CY6DL

Tgt Ion:153 Resp: 430

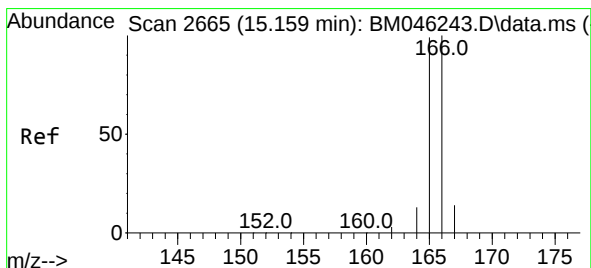
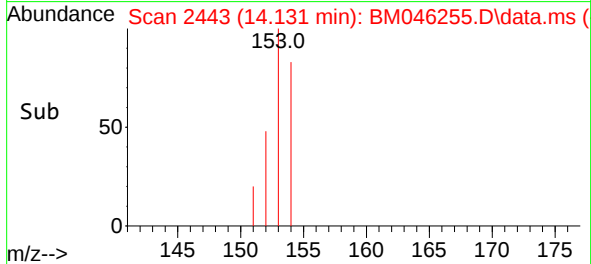
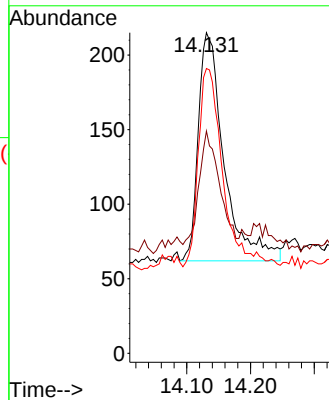
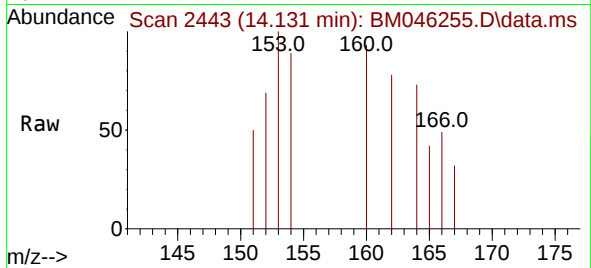
Ion	Ratio	Lower	Upper
153	100		
152	69.3	41.3	61.9
154	88.8	68.2	102.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/27/2024



#12

Fluorene

Concen: 0.038 ng/u1

RT: 15.135 min Scan# 2660

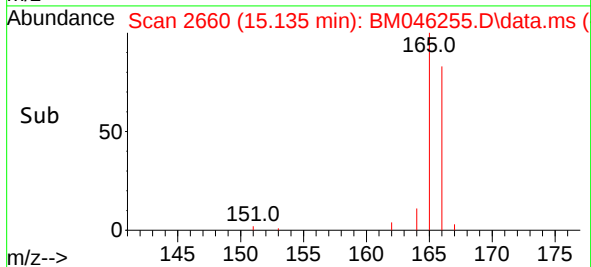
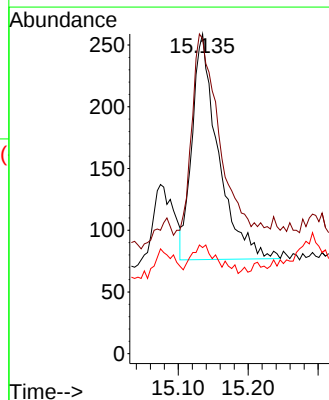
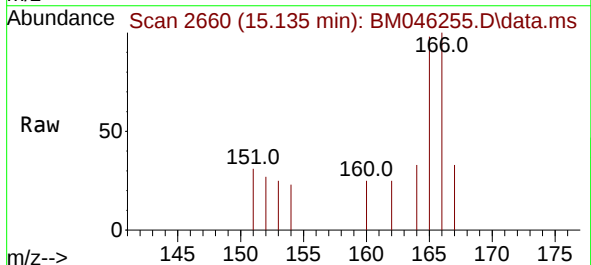
Delta R.T. -0.046 min

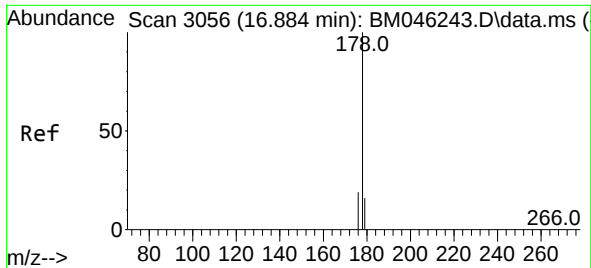
Lab File: BM046255.D

Acq: 24 Jun 2024 16:17

Tgt Ion:166 Resp: 474

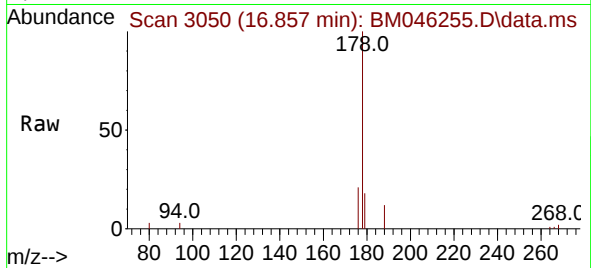
Ion	Ratio	Lower	Upper
166	100		
165	98.5	80.4	120.6
167	33.2	12.4	18.6





#15
Phenanthrene
Concen: 0.498 ng/u1
RT: 16.857 min Scan# 3056
Delta R.T. -0.046 min
Lab File: BM046255.D
Acq: 24 Jun 2024 16:17

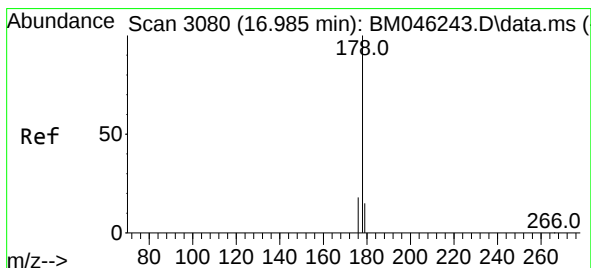
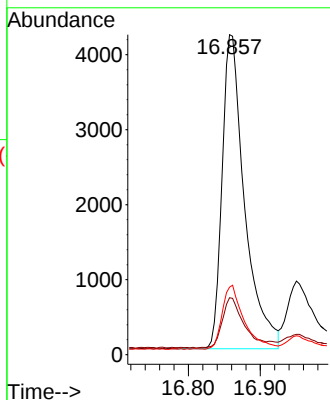
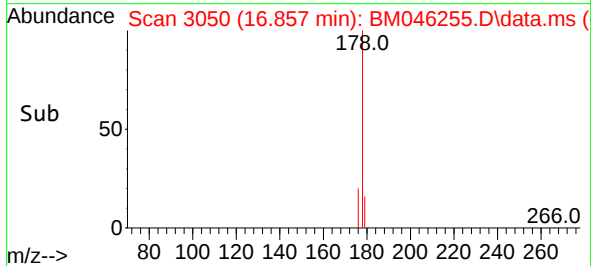
Instrument :
BNA_M
ClientSampleId :
A4CY6DL



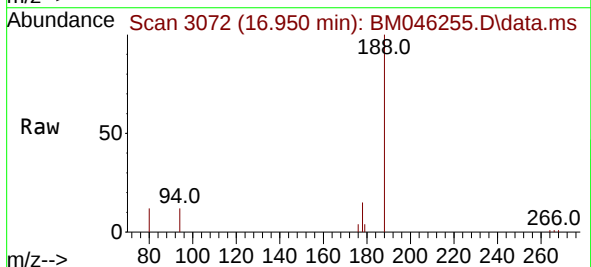
Tgt Ion:178 Resp: 908
Ion Ratio Lower Upper
178 100
179 17.8 14.2 21.2
176 21.1 17.1 25.7

Manual Integrations
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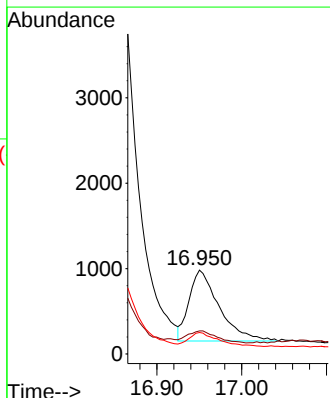
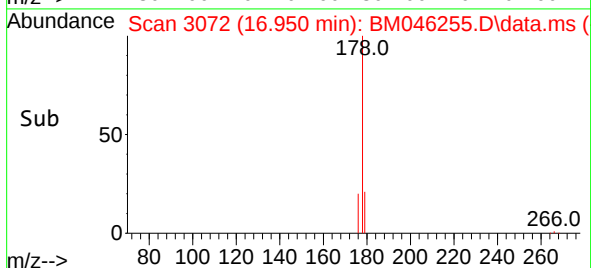
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024

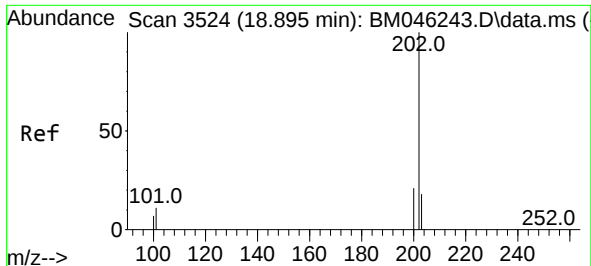


#16
Anthracene
Concen: 0.151 ng/u1
RT: 16.950 min Scan# 3072
Delta R.T. -0.055 min
Lab File: BM046255.D
Acq: 24 Jun 2024 16:17



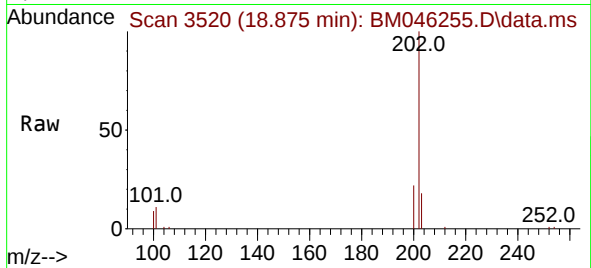
Tgt Ion:178 Resp: 2047
Ion Ratio Lower Upper
178 100
179 27.6 14.9 22.3#
176 25.6 17.0 25.4#





#19
Fluoranthene
Concen: 0.875 ng/u1
RT: 18.875 min Scan# 31
Delta R.T. -0.042 min
Lab File: BM046255.D
Acq: 24 Jun 2024 16:17

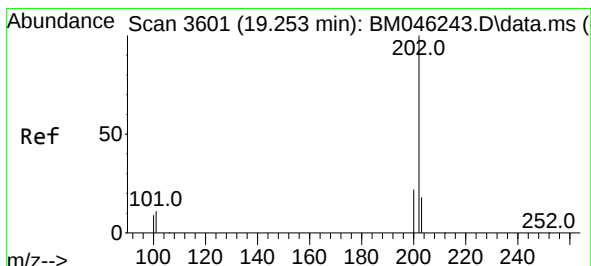
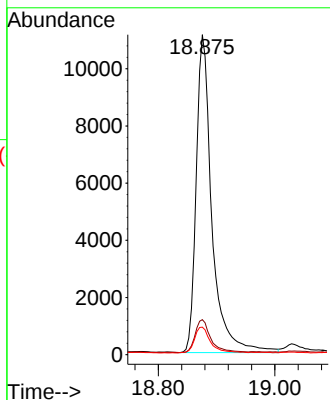
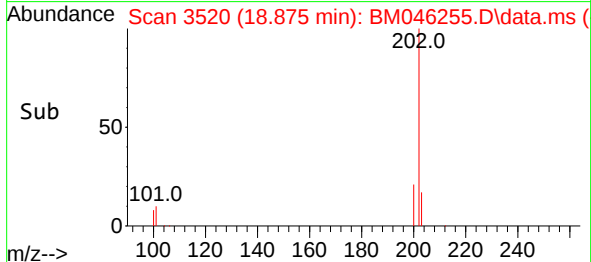
Instrument :
BNA_M
ClientSampleId :
A4CY6DL



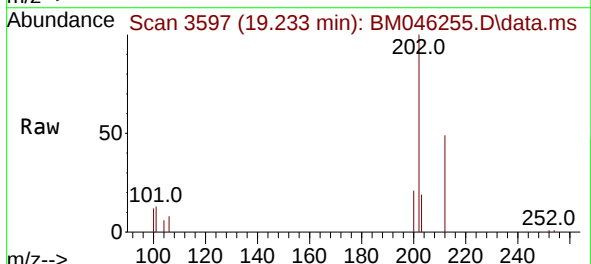
Tgt Ion:202 Resp: 2085
Ion Ratio Lower Upper
202 100
101 11.0 9.6 14.4
100 8.6 7.6 11.4

Manual Integrations
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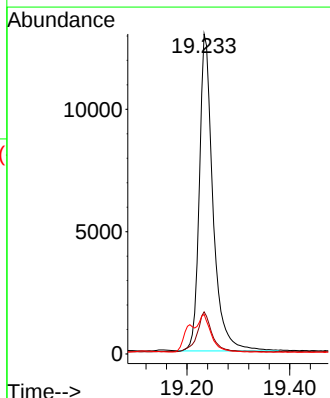
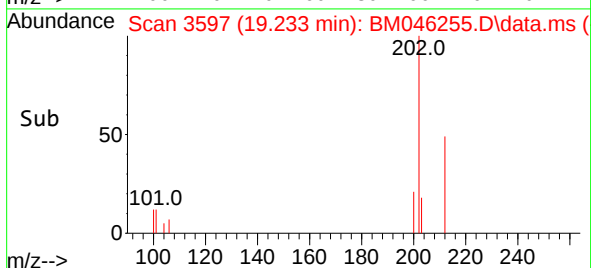
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024

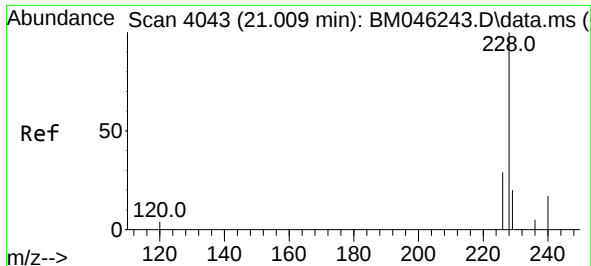


#20
Pyrene
Concen: 0.928 ng/u1
RT: 19.233 min Scan# 3597
Delta R.T. -0.042 min
Lab File: BM046255.D
Acq: 24 Jun 2024 16:17



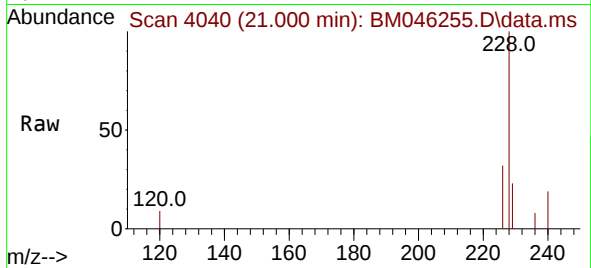
Tgt Ion:202 Resp: 23926
Ion Ratio Lower Upper
202 100
101 13.1 11.3 16.9
100 12.3 9.8 14.6





#21
Benzo(a)anthracene
Concen: 0.435 ng/u1
RT: 21.000 min Scan# 4043
Delta R.T. -0.029 min
Lab File: BM046255.D
Acq: 24 Jun 2024 16:17

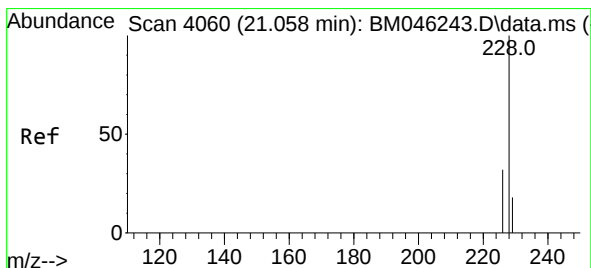
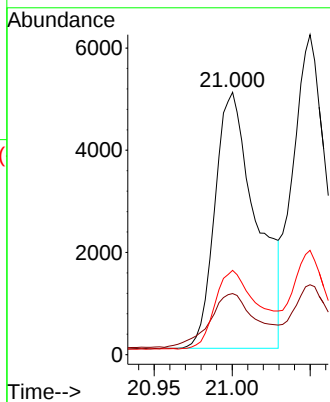
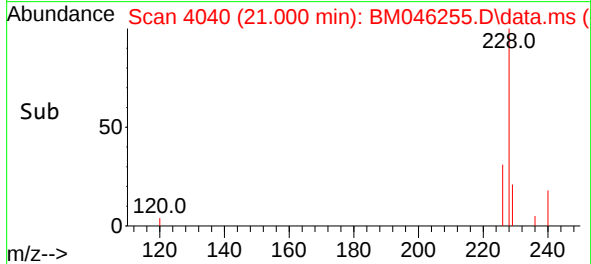
Instrument :
BNA_M
ClientSampleId :
A4CY6DL



Tgt Ion:228 Resp: 9240
Ion Ratio Lower Upper
228 100
229 23.3 16.4 24.6
226 32.2 23.4 35.2

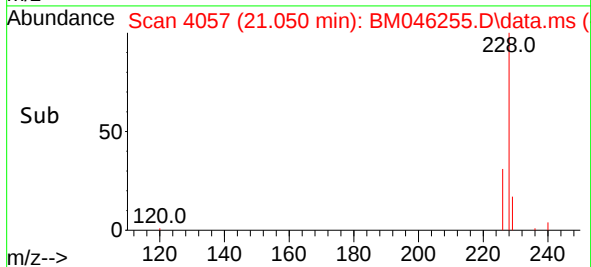
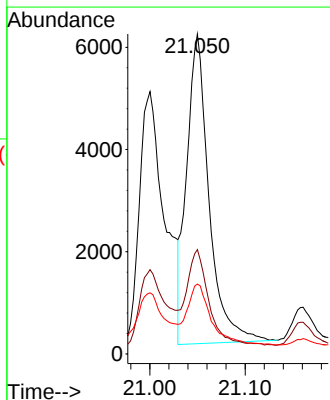
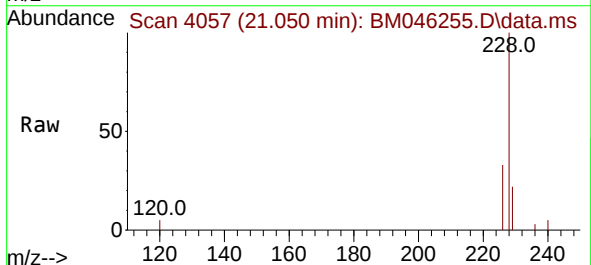
Manual Integrations
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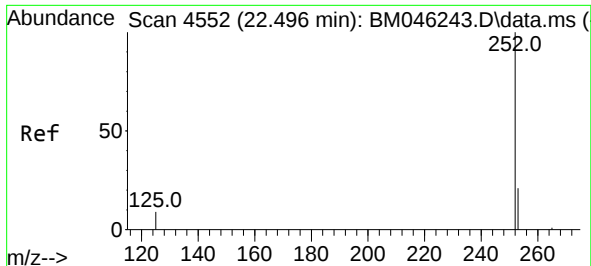
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



#22
Chrysene
Concen: 0.362 ng/u1
RT: 21.050 min Scan# 4057
Delta R.T. -0.026 min
Lab File: BM046255.D
Acq: 24 Jun 2024 16:17

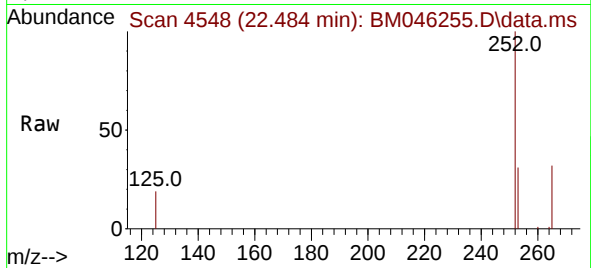
Tgt Ion:228 Resp: 9837
Ion Ratio Lower Upper
228 100
226 32.6 25.2 37.8
229 21.9 16.3 24.5





#24
Benzo(b)fluoranthene
Concen: 0.682 ng/ul m
RT: 22.484 min Scan# 4548
Delta R.T. -0.035 min
Lab File: BM046255.D
Acq: 24 Jun 2024 16:17

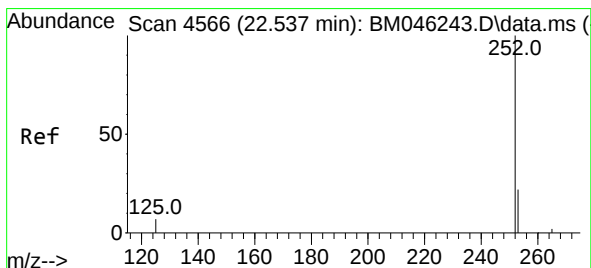
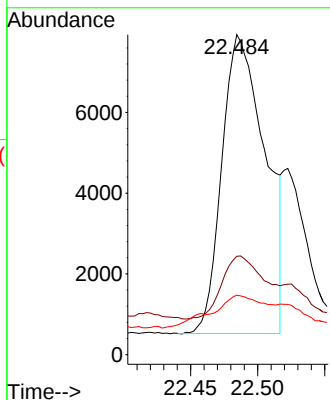
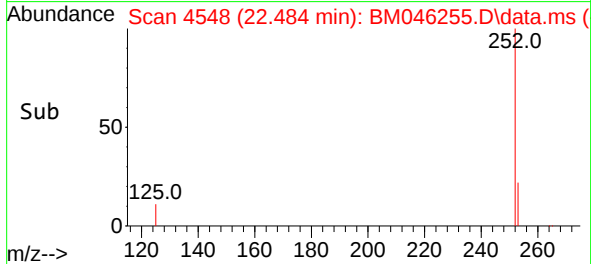
Instrument :
BNA_M
ClientSampleId :
A4CY6DL



Tgt Ion:252 Resp: 16592
Ion Ratio Lower Upper
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253 30.8 0.0 65.8
125 18.6 0.0 40.2

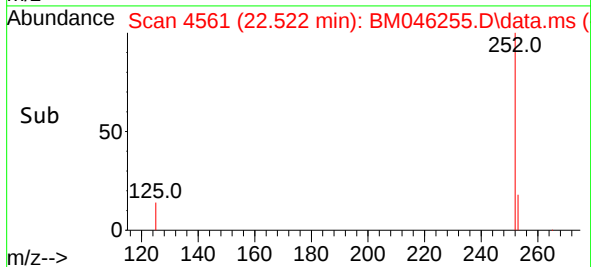
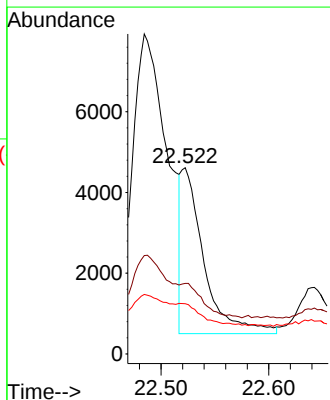
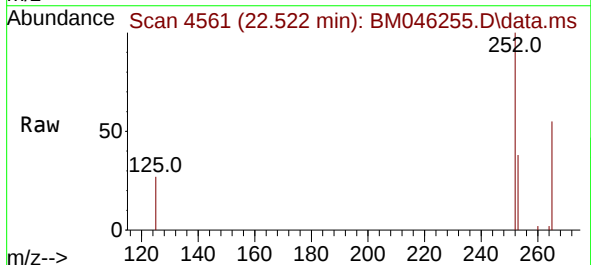
Manual Integrations
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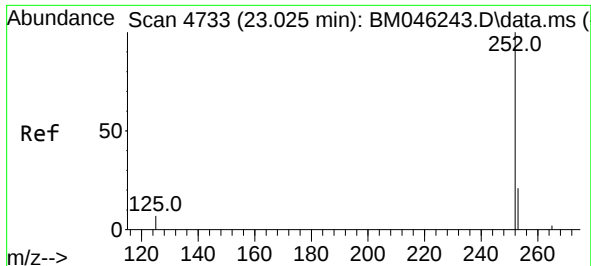
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



#25
Benzo(k)fluoranthene
Concen: 0.208 ng/ul m
RT: 22.522 min Scan# 4561
Delta R.T. -0.041 min
Lab File: BM046255.D
Acq: 24 Jun 2024 16:17

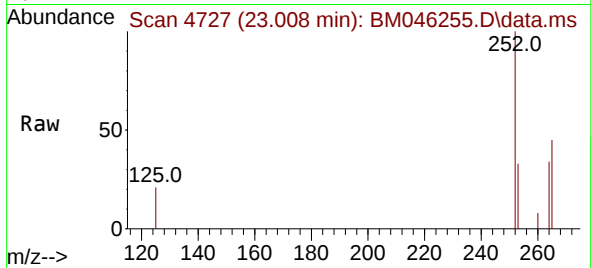
Tgt Ion:252 Resp: 6012
Ion Ratio Lower Upper
252 100
253 37.9 27.2 40.8
125 26.9 16.6 25.0#





#26
Benzo(a)pyrene
Concen: 0.607 ng/ul m
RT: 23.008 min Scan# 4
Delta R.T. -0.047 min
Lab File: BM046255.D
Acq: 24 Jun 2024 16:17

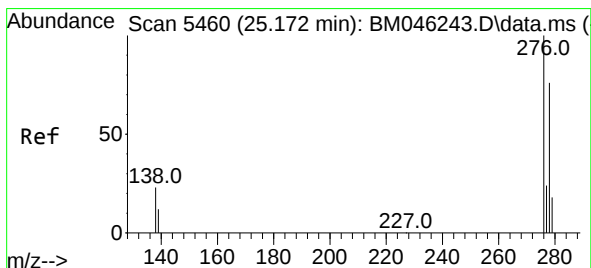
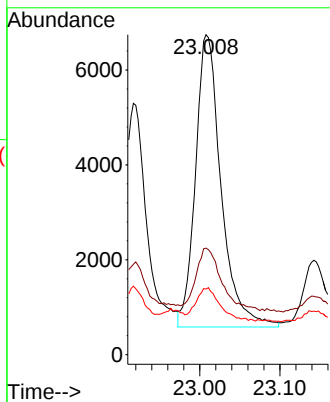
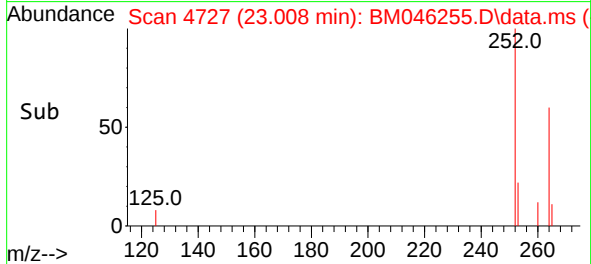
Instrument :
BNA_M
ClientSampleId :
A4CY6DL



Tgt Ion:252 Resp: 13680
Ion Ratio Lower Upper
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253 33.3 32.1 48.1
125 20.5 21.2 31.8

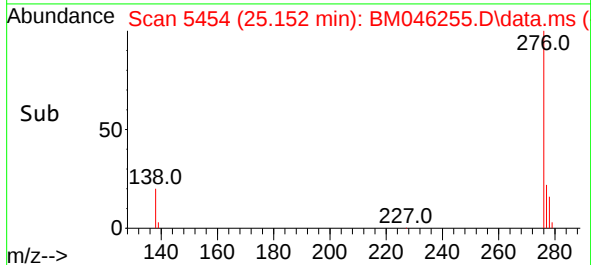
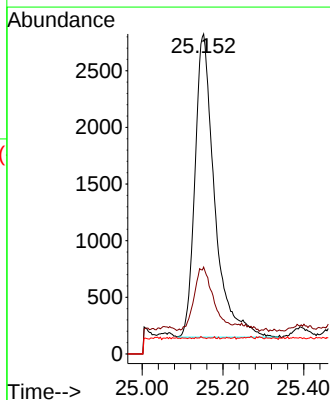
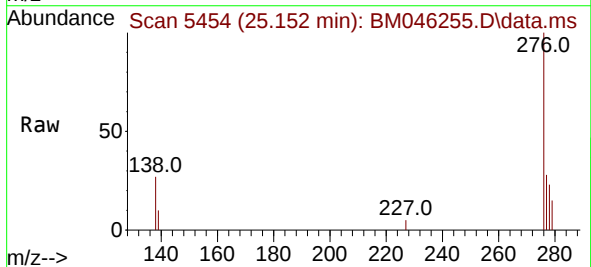
Manual Integrations
APPROVED

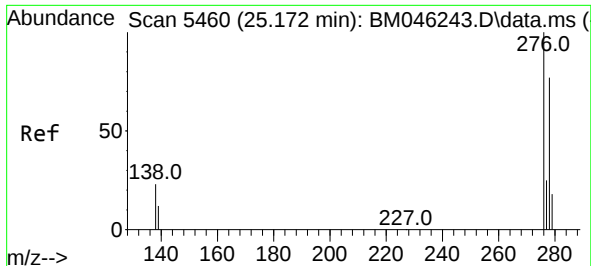
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.244 ng/ul
RT: 25.152 min Scan# 5454
Delta R.T. -0.050 min
Lab File: BM046255.D
Acq: 24 Jun 2024 16:17

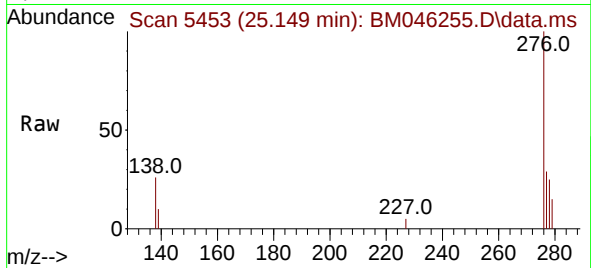
Tgt Ion:276 Resp: 9009
Ion Ratio Lower Upper
276 100
138 23.0 21.0 31.4
227 0.1 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.066 ng/ul
RT: 25.149 min Scan# 5460
Delta R.T. -0.067 min
Lab File: BM046255.D
Acq: 24 Jun 2024 16:17

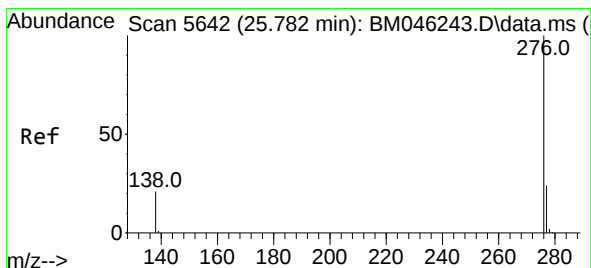
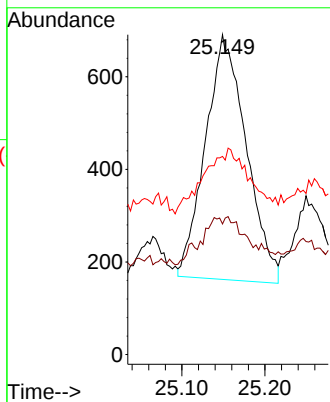
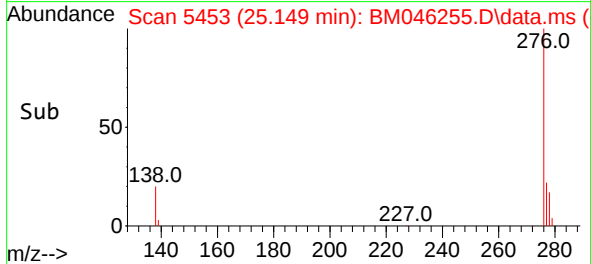
Instrument :
BNA_M
ClientSampleId :
A4CY6DL



Tgt Ion:278 Resp: 1808
Ion Ratio Lower Upper
278 100
139 40.8 17.6 26.4#
279 61.9 26.3 39.5#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



#29
Benzo(g,h,i)perylene
Concen: 0.085 ng/ul
RT: 25.773 min Scan# 5639
Delta R.T. -0.057 min
Lab File: BM046255.D
Acq: 24 Jun 2024 16:17

Tgt Ion:276 Resp: 2705
Ion Ratio Lower Upper
276 100
138 42.0 21.7 32.5#
277 38.8 20.4 30.6#

