

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046165.D
 Acq On : 21 Jun 2024 18:15
 Operator : MA/JU
 Sample : P2754-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BQ0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/24/2024

Quant Time: Jun 21 22:27:24 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 : Tue Jun 18 13:58:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.421	152	2341	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.193	136	6896	0.400	ng/ul	-0.06
9) Acenaphthene-d10	14.066	164	3821	0.400	ng/ul	#-0.05
13) Phenanthrene-d10	16.811	188	8010m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.012	240	6737m	0.400	ng/ul	-0.03
23) Perylene-d12	23.107	264	7832m	0.400	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.029	96	11897	3.704	ng/ul	-0.02
6) 2-Methylnaphthalene-d10	11.815	152	2517	0.272	ng/ul	-0.05
18) Fluoranthene-d10	18.843	212	5790	0.287	ng/ul	-0.04
Target Compounds						
					Qvalue	
5) Naphthalene	10.237	128	7177	0.373	ng/ul	97
7) 2-Methylnaphthalene	11.892	142	2527	0.233	ng/ul	98
8) 1-Methylnaphthalene	12.107	142	2267	0.191	ng/ul	98
10) Acenaphthylene	13.784	152	2059	0.114	ng/ul#	82
11) Acenaphthene	14.131	153	13331	1.019	ng/ul	97
12) Fluorene	15.125	166	17420	1.241	ng/ul	97
15) Phenanthrene	16.849	178	238643m	10.604	ng/ul	
16) Anthracene	16.942	178	66517m	3.969	ng/ul	
19) Fluoranthene	18.875	202	285307	9.781	ng/ul	95
20) Pyrene	19.238	202	235454	7.464	ng/ul	95
21) Benzo(a)anthracene	20.994	228	118400m	4.550	ng/ul	
22) Chrysene	21.047	228	99124	2.985	ng/ul	98
24) Benzo(b)fluoranthene	22.487	252	121425m	4.303	ng/ul	
25) Benzo(k)fluoranthene	22.525	252	43879m	1.308	ng/ul	
26) Benzo(a)pyrene	23.014	252	96856	3.704	ng/ul#	74
27) Indeno(1,2,3-cd)pyrene	25.152	276	61218	1.431	ng/ul#	88
28) Dibenzo(a,h)anthracene	25.159	278	13094	0.411	ng/ul	96
29) Benzo(g,h,i)perylene	25.776	276	58498	1.594	ng/ul	95

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

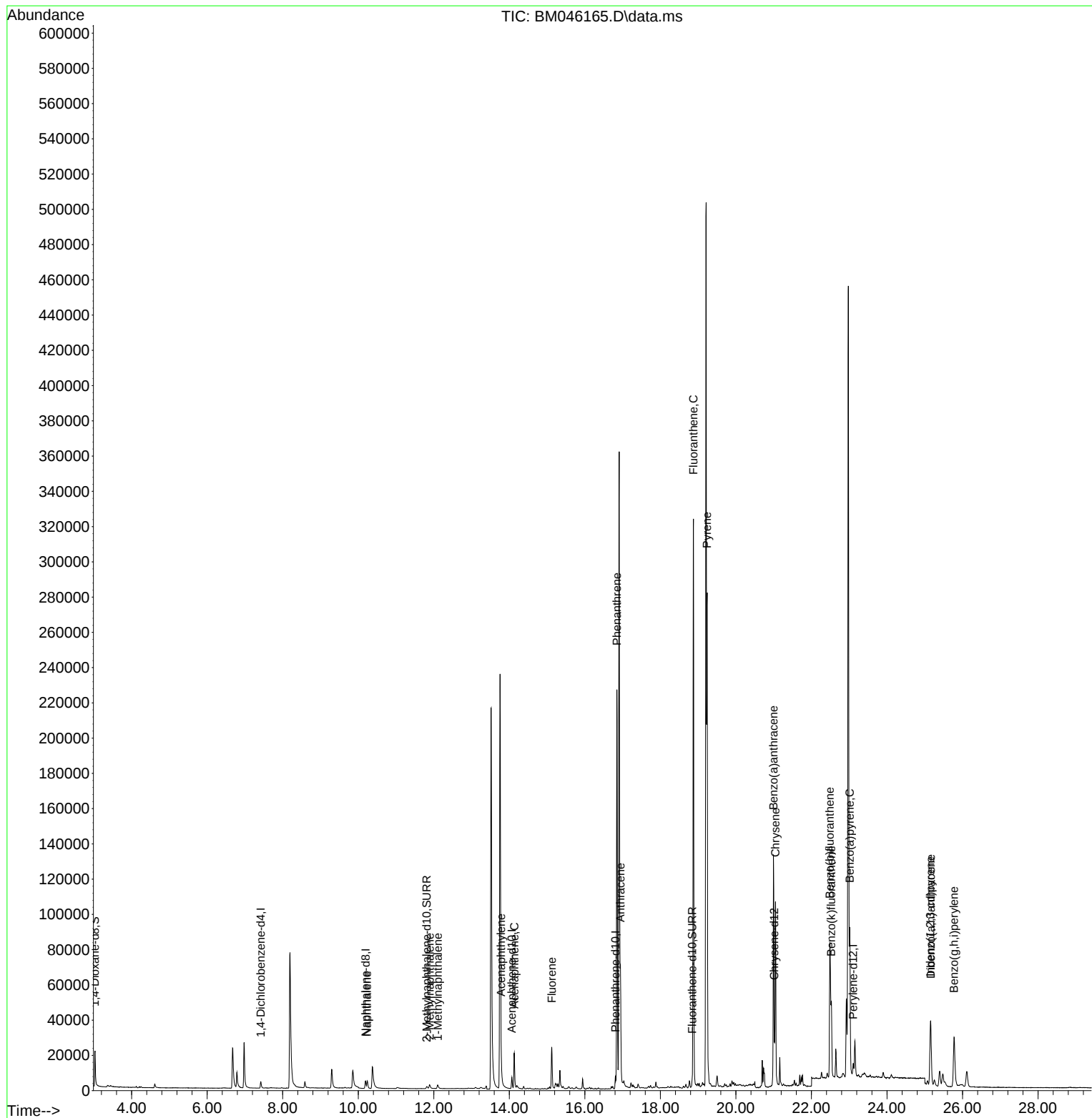
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046165.D
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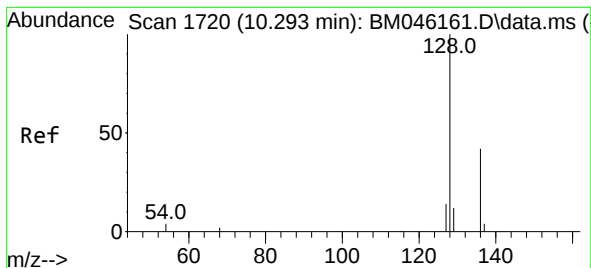
Instrument :
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QLast Update : Tue Jun 18 13:58:29 2024
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#5

Naphthalene

Concen: 0.373 ng/ul

RT: 10.237 min Scan# 1710

Delta R.T. -0.066 min

Lab File: BM046165.D

Acq: 21 Jun 2024 18:15

Instrument :

BNA_M

ClientSampleId :

A4BQ0

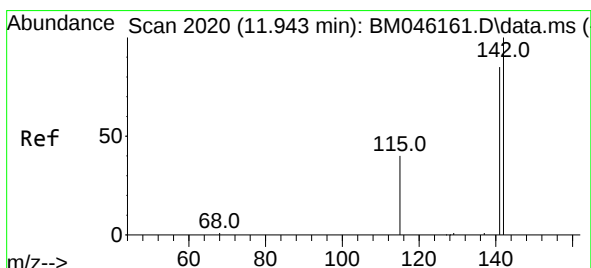
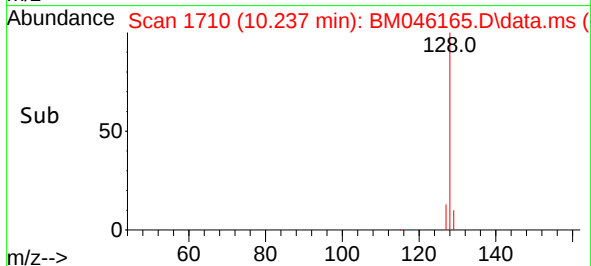
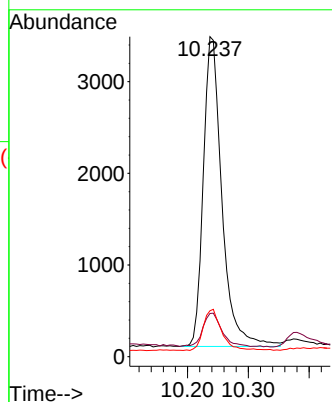
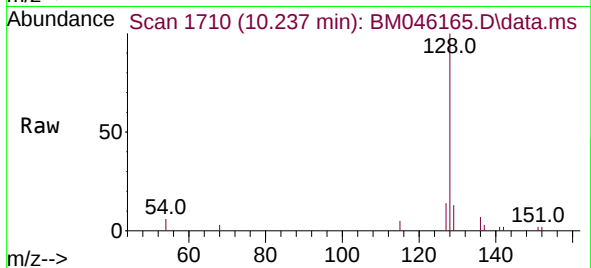
Tgt Ion:	128	Resp:	717
Ion Ratio	Lower	Upper	
128	100		
129	13.5	11.8	17.6
127	14.4	12.8	19.2

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#7

2-Methylnaphthalene

Concen: 0.233 ng/ul

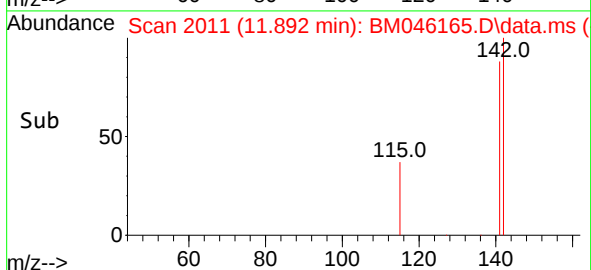
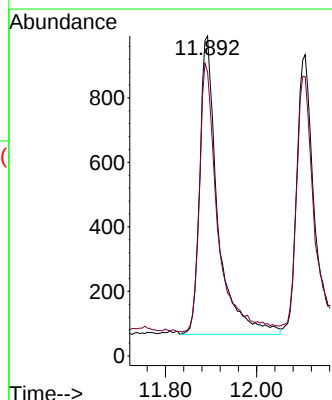
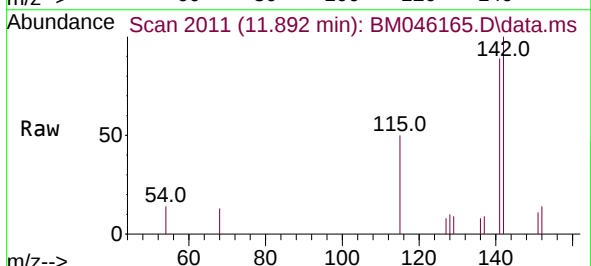
RT: 11.892 min Scan# 2011

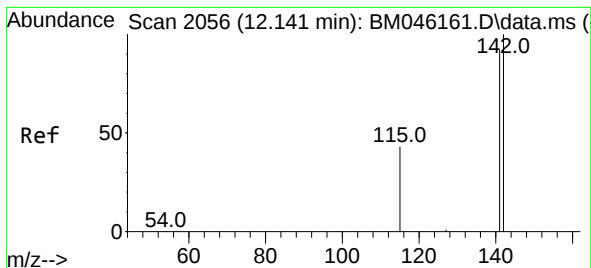
Delta R.T. -0.055 min

Lab File: BM046165.D

Acq: 21 Jun 2024 18:15

Tgt Ion:	142	Resp:	2527
Ion Ratio	Lower	Upper	
142	100		
141	91.3	74.6	111.8





#8

1-Methylnaphthalene

Concen: 0.191 ng/ul

RT: 12.107 min Scan# 2056

Delta R.T. -0.044 min

Lab File: BM046165.D

Acq: 21 Jun 2024 18:15

Instrument :

BNA_M

ClientSampleId :

A4BQ0

Tgt Ion:142 Resp: 226

Ion Ratio Lower Upper

142 100

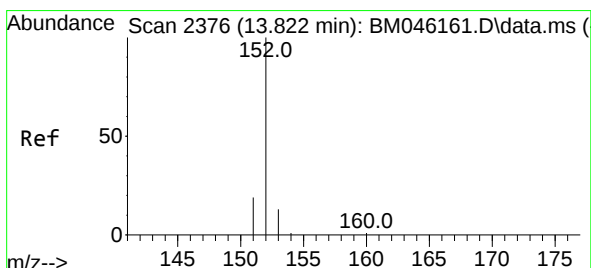
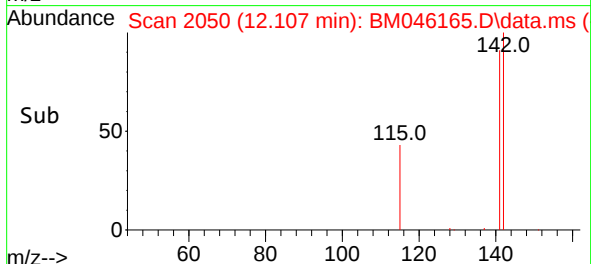
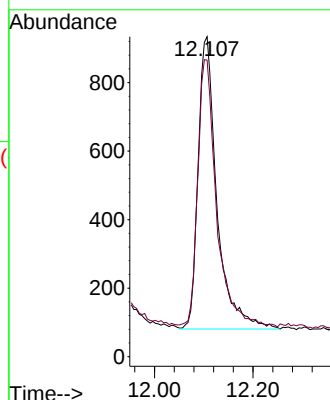
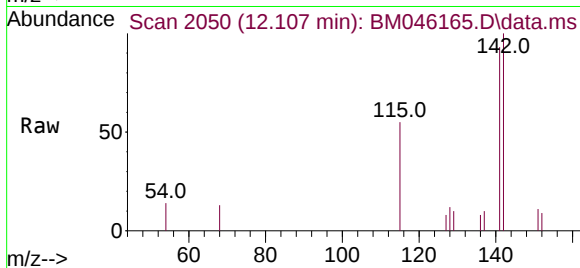
141 91.8 75.2 112.8

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Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/24/2024



#10

Acenaphthylene

Concen: 0.114 ng/ul

RT: 13.784 min Scan# 2368

Delta R.T. -0.051 min

Lab File: BM046165.D

Acq: 21 Jun 2024 18:15

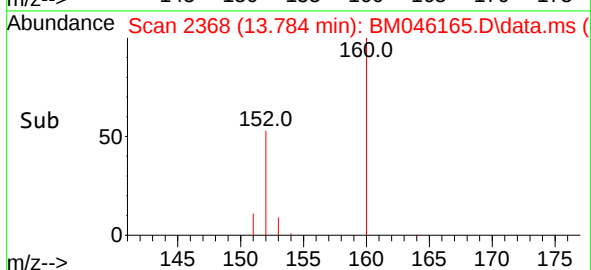
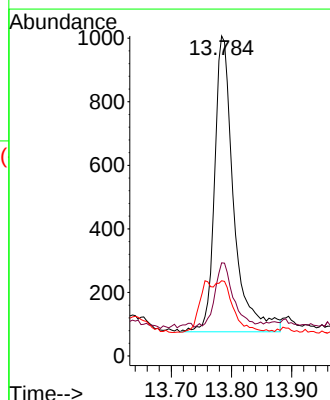
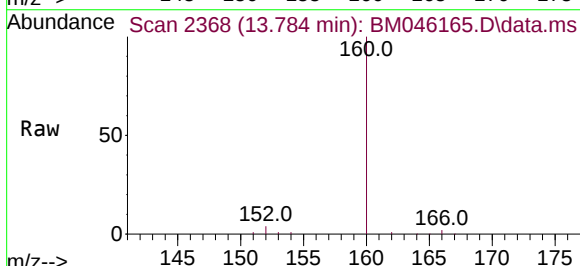
Tgt Ion:152 Resp: 2059

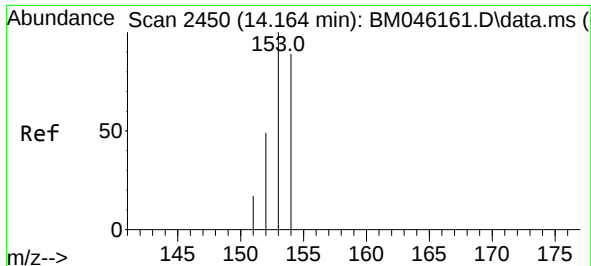
Ion Ratio Lower Upper

152 100

151 29.1 17.4 26.2#

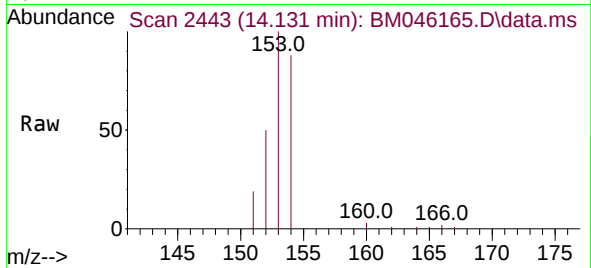
153 23.5 11.8 17.8#





#11
Acenaphthene
Concen: 1.019 ng/ul
RT: 14.131 min Scan# 2443
Delta R.T. -0.042 min
Lab File: BM046165.D
Acq: 21 Jun 2024 18:15

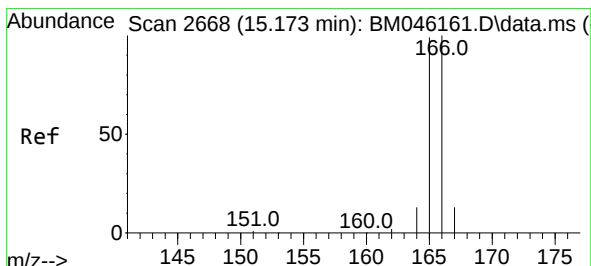
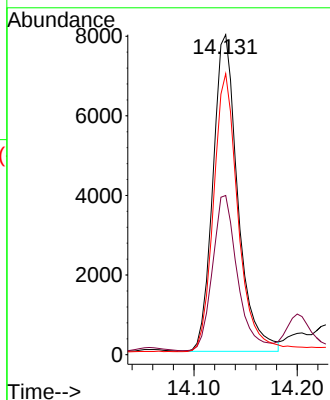
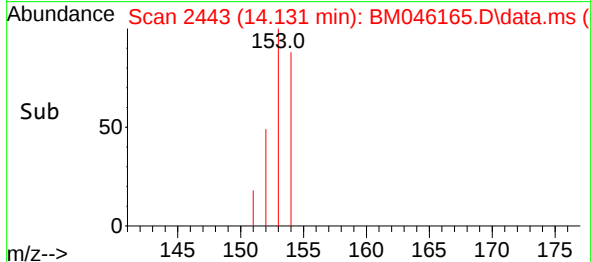
Instrument :
BNA_M
ClientSampleId :
A4BQ0



Tgt Ion:153 Resp: 1333
Ion Ratio Lower Upper
153 100
152 49.7 41.3 61.9
154 87.8 68.2 102.4

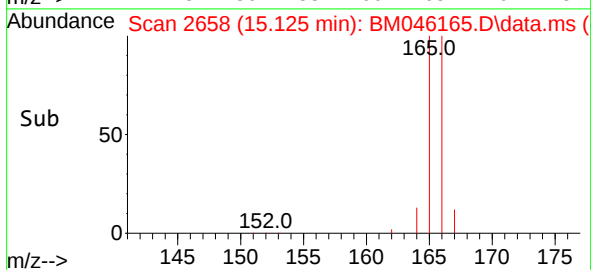
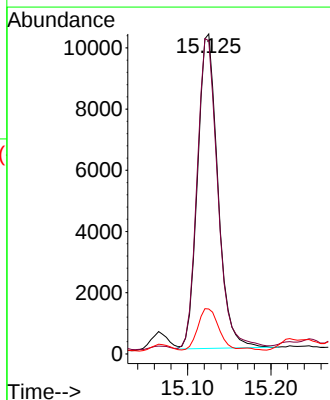
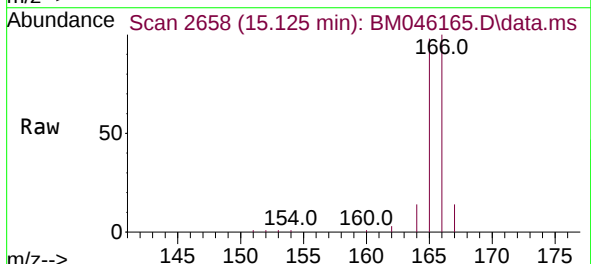
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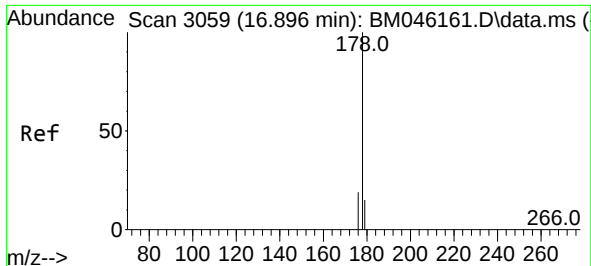
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#12
Fluorene
Concen: 1.241 ng/ul
RT: 15.125 min Scan# 2658
Delta R.T. -0.056 min
Lab File: BM046165.D
Acq: 21 Jun 2024 18:15

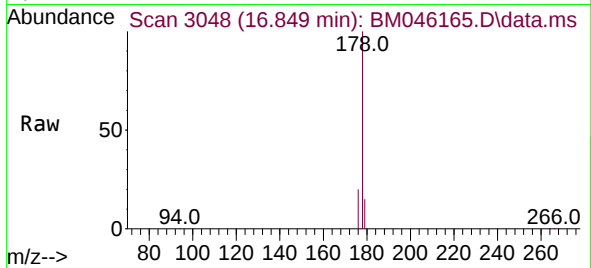
Tgt Ion:166 Resp: 17420
Ion Ratio Lower Upper
166 100
165 97.9 80.4 120.6
167 14.0 12.4 18.6





#15
Phenanthrene
Concen: 10.604 ng/ul m
RT: 16.849 min Scan# 3070
Delta R.T. -0.055 min
Lab File: BM046165.D
Acq: 21 Jun 2024 18:15

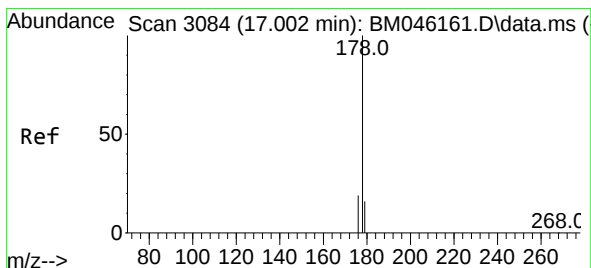
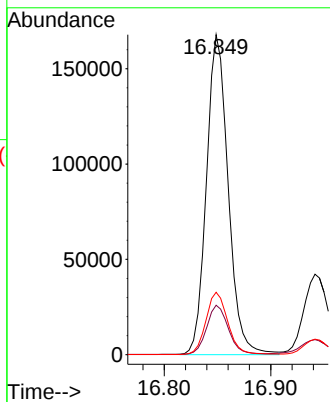
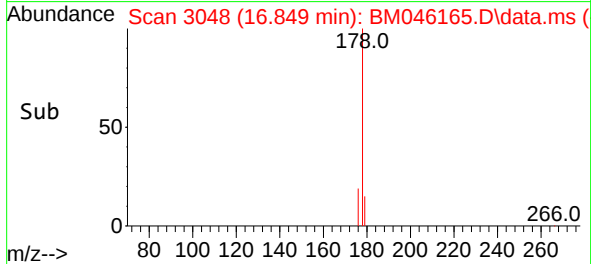
Instrument :
BNA_M
ClientSampleId :
A4BQ0



Tgt Ion:178 Resp: 23864
Ion Ratio Lower Upper
178 100
179 15.4 14.2 21.2
176 19.5 17.1 25.7

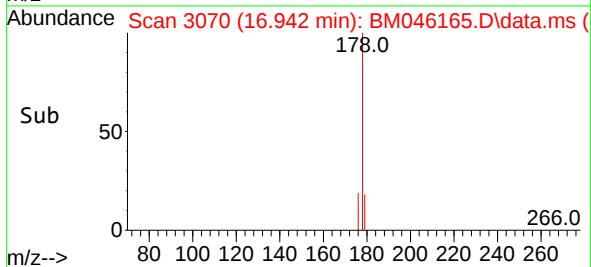
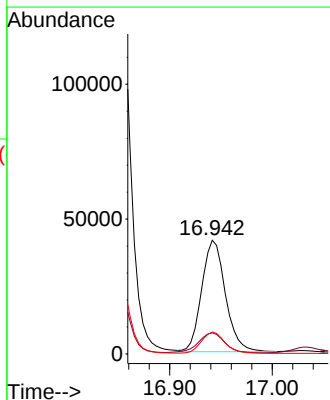
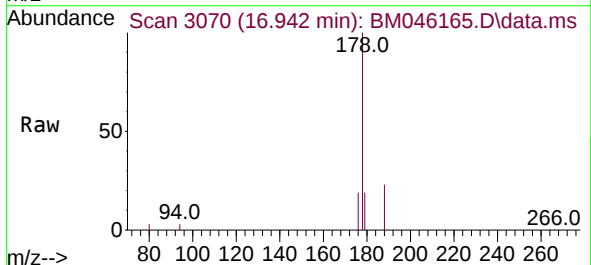
Manual Integrations
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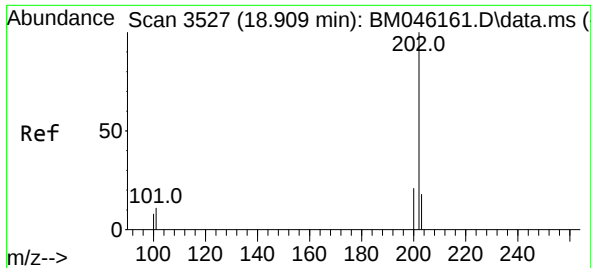
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#16
Anthracene
Concen: 3.969 ng/ul m
RT: 16.942 min Scan# 3070
Delta R.T. -0.063 min
Lab File: BM046165.D
Acq: 21 Jun 2024 18:15

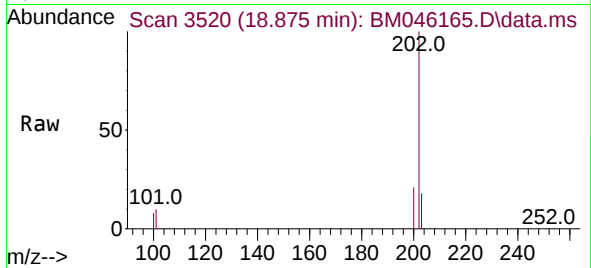
Tgt Ion:178 Resp: 66517
Ion Ratio Lower Upper
178 100
179 18.6 14.9 22.3
176 19.3 17.0 25.4





#19
Fluoranthene
Concen: 9.781 ng/ul
RT: 18.875 min Scan# 3520
Delta R.T. -0.042 min
Lab File: BM046165.D
Acq: 21 Jun 2024 18:15

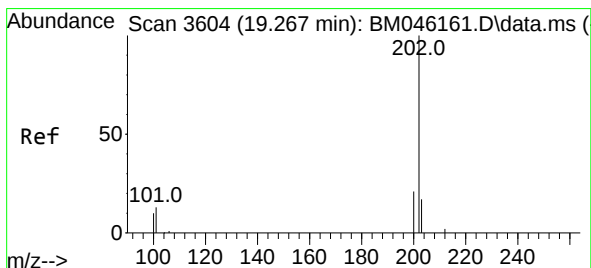
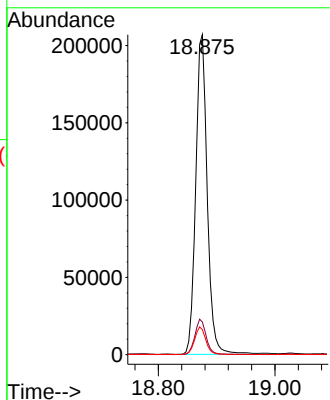
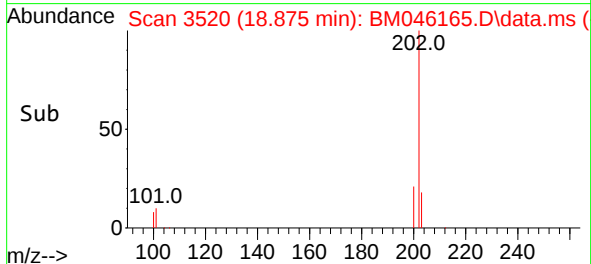
Instrument :
BNA_M
ClientSampleId :
A4BQ0



Tgt Ion:202 Resp: 285307
Ion Ratio Lower Upper
202 100
101 10.2 9.6 14.4
100 7.8 7.6 11.4

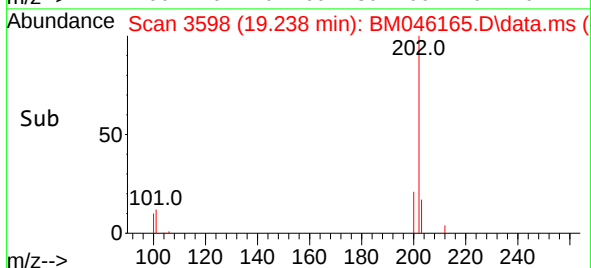
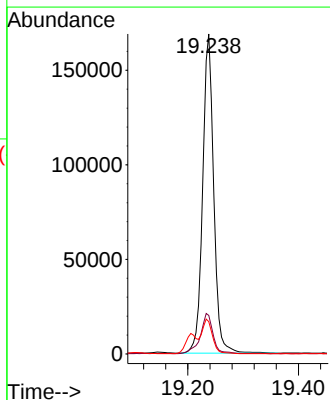
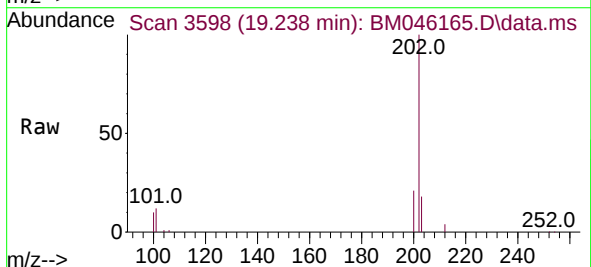
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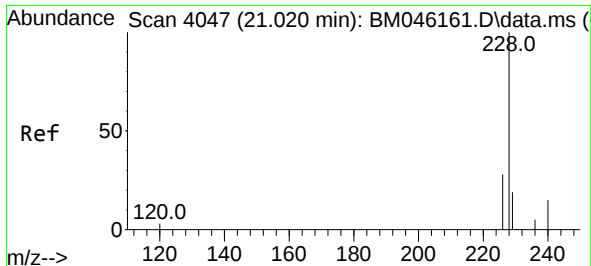
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#20
Pyrene
Concen: 7.464 ng/ul
RT: 19.238 min Scan# 3598
Delta R.T. -0.037 min
Lab File: BM046165.D
Acq: 21 Jun 2024 18:15

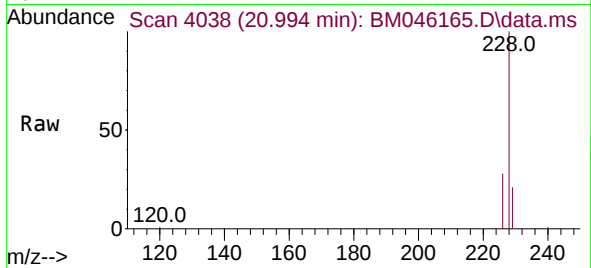
Tgt Ion:202 Resp: 235454
Ion Ratio Lower Upper
202 100
101 12.1 11.3 16.9
100 10.1 9.8 14.6





#21
Benzo(a)anthracene
Concen: 4.550 ng/ul m
RT: 20.994 min Scan# 4038
Delta R.T. -0.035 min
Lab File: BM046165.D
Acq: 21 Jun 2024 18:15

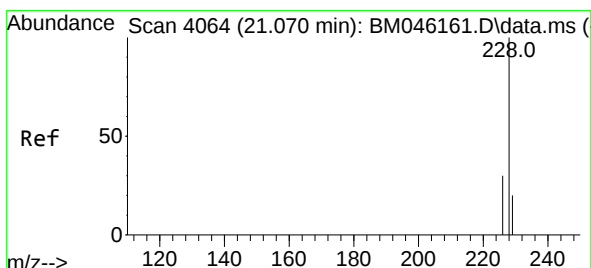
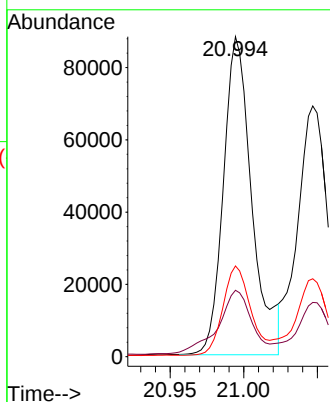
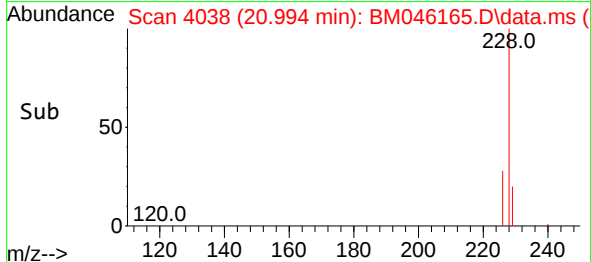
Instrument :
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Tgt Ion:228 Resp: 118400
Ion Ratio Lower Upper
228 100
229 20.8 16.4 24.6
226 28.4 23.4 35.2

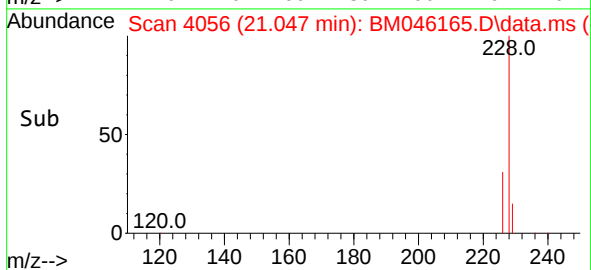
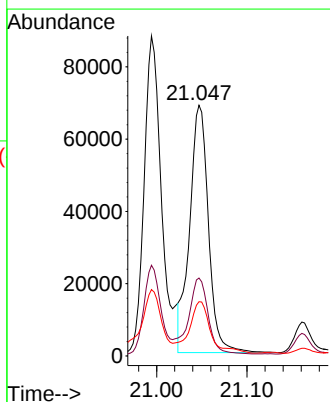
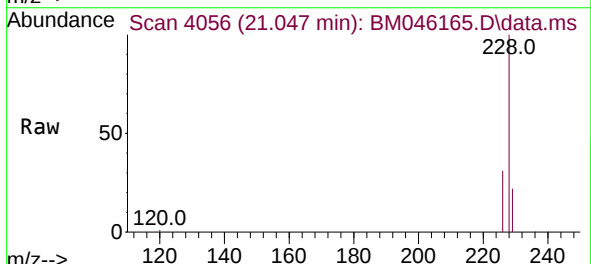
Manual Integrations
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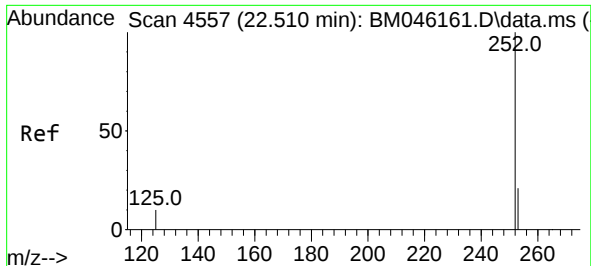
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#22
Chrysene
Concen: 2.985 ng/ul
RT: 21.047 min Scan# 4056
Delta R.T. -0.029 min
Lab File: BM046165.D
Acq: 21 Jun 2024 18:15

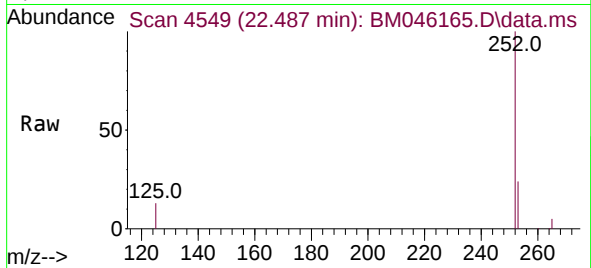
Tgt Ion:228 Resp: 99124
Ion Ratio Lower Upper
228 100
226 31.1 25.2 37.8
229 21.7 16.3 24.5





#24
Benzo(b)fluoranthene
Concen: 4.303 ng/ul m
RT: 22.487 min Scan# 4549
Delta R.T. -0.032 min
Lab File: BM046165.D
Acq: 21 Jun 2024 18:15

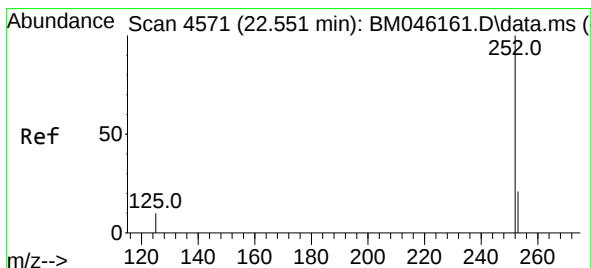
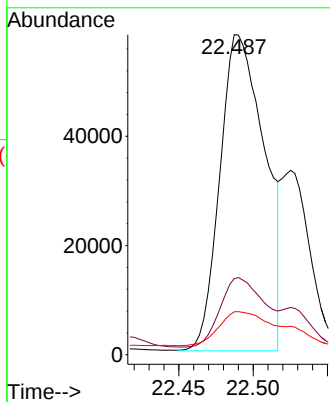
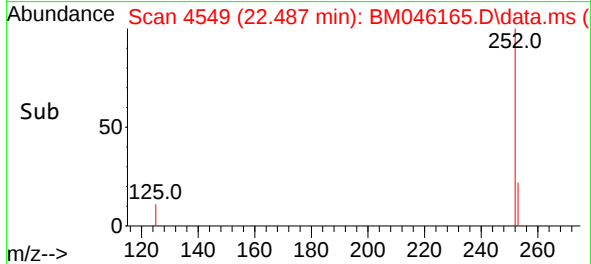
Instrument :
BNA_M
ClientSampleId :
A4BQ0



Tgt Ion:252 Resp: 121429
Ion Ratio Lower Upper
252 100
253 23.8 0.0 65.8
125 13.4 0.0 40.2

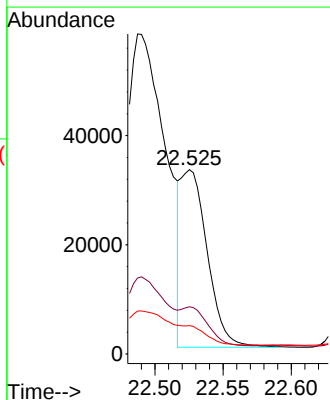
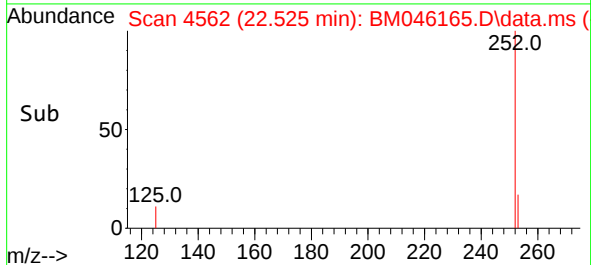
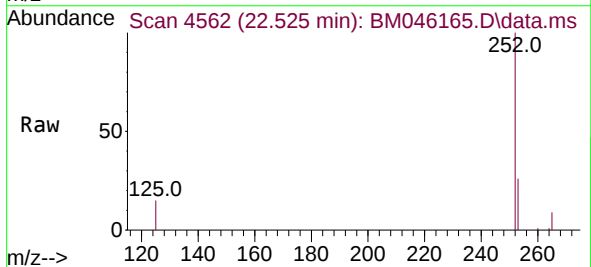
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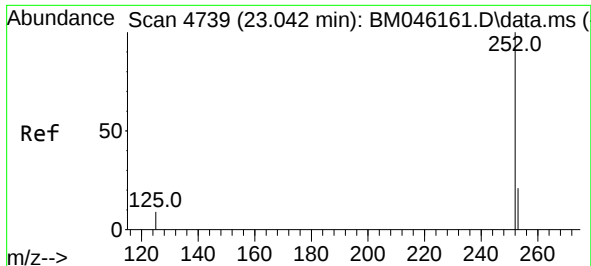
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#25
Benzo(k)fluoranthene
Concen: 1.308 ng/ul m
RT: 22.525 min Scan# 4562
Delta R.T. -0.038 min
Lab File: BM046165.D
Acq: 21 Jun 2024 18:15

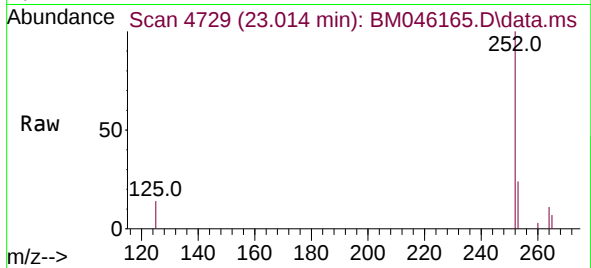
Tgt Ion:252 Resp: 43879
Ion Ratio Lower Upper
252 100
253 25.6 27.2 40.8#
125 15.3 16.6 25.0#





#26
Benzo(a)pyrene
Concen: 3.704 ng/ul
RT: 23.014 min Scan# 4729
Delta R.T. -0.041 min
Lab File: BM046165.D
Acq: 21 Jun 2024 18:15

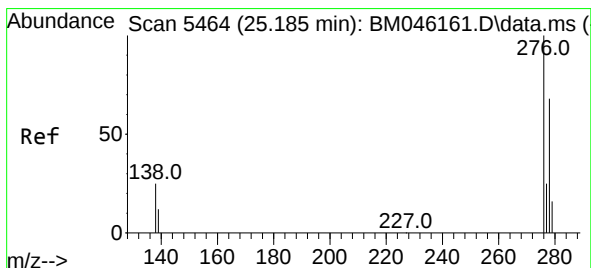
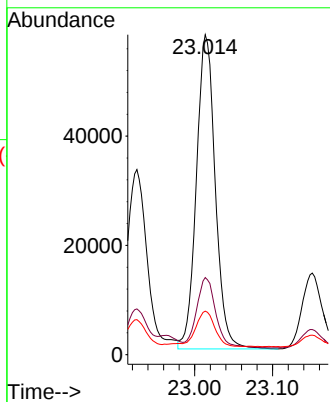
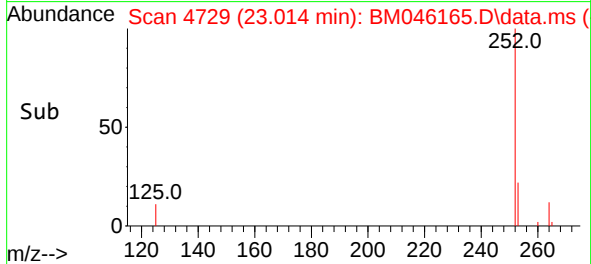
Instrument :
BNA_M
ClientSampleId :
A4BQ0



Tgt Ion:252 Resp: 96850
Ion Ratio Lower Upper
252 100
253 24.1 32.1 48.1#
125 13.6 21.2 31.8#

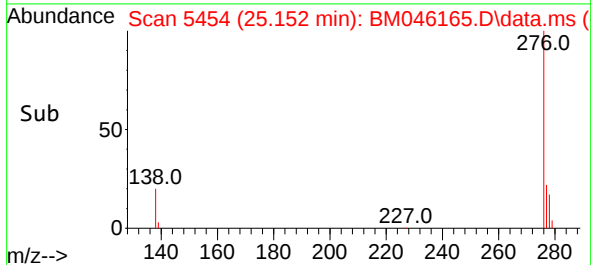
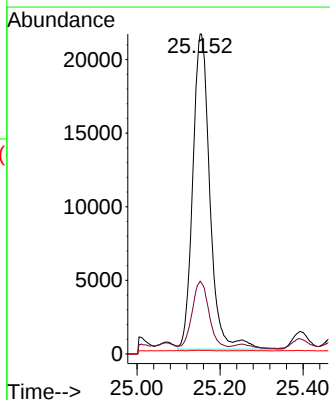
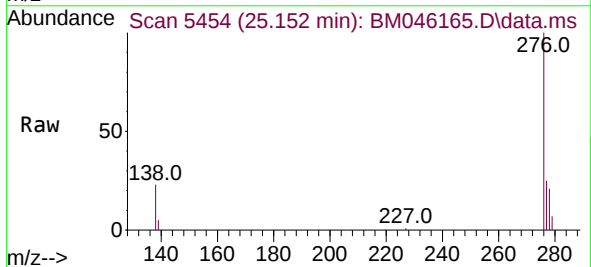
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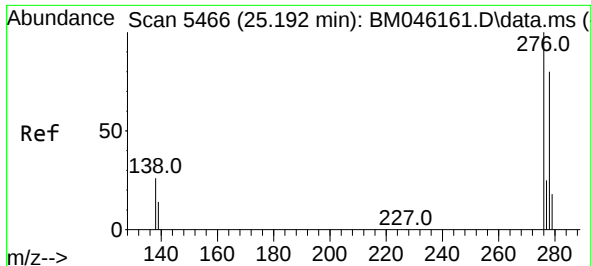
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.431 ng/ul
RT: 25.152 min Scan# 5454
Delta R.T. -0.050 min
Lab File: BM046165.D
Acq: 21 Jun 2024 18:15

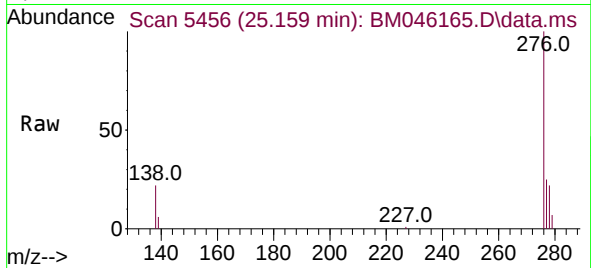
Tgt Ion:276 Resp: 61218
Ion Ratio Lower Upper
276 100
138 20.1 21.0 31.4#
227 0.1 0.0 0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.411 ng/ul
RT: 25.159 min Scan# 54
Delta R.T. -0.057 min
Lab File: BM046165.D
Acq: 21 Jun 2024 18:15

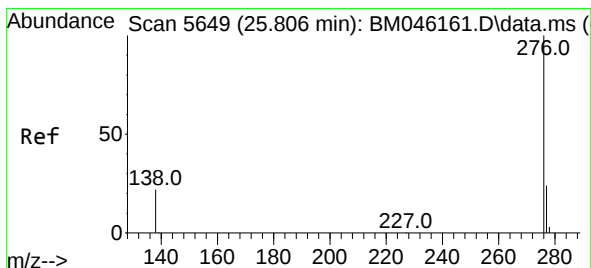
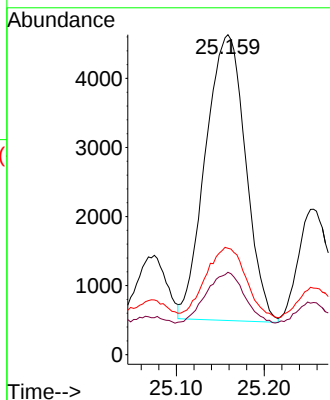
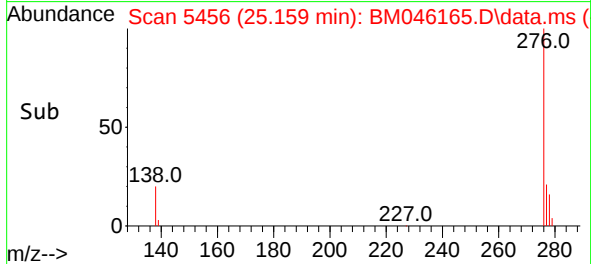
Instrument :
BNA_M
ClientSampleId :
A4BQ0



Tgt Ion:278 Resp: 13094
Ion Ratio Lower Upper
278 100
139 25.8 17.6 26.4
279 33.3 26.3 39.5

Manual Integrations
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Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#29
Benzo(g,h,i)perylene
Concen: 1.594 ng/ul
RT: 25.776 min Scan# 5640
Delta R.T. -0.054 min
Lab File: BM046165.D
Acq: 21 Jun 2024 18:15

Tgt Ion:276 Resp: 58498
Ion Ratio Lower Upper
276 100
138 23.0 21.7 32.5
277 24.6 20.4 30.6

