

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046301.D
 Acq On : 25 Jun 2024 20:57
 Operator : MA/JU
 Sample : P2844-22DL 5X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C47DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 25 23:29:14 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 25 08:04:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.405	152	2637	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.183	136	7750	0.400	ng/ul	-0.07
9) Acenaphthene-d10	14.053	164	4252	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.799	188	8742	0.400	ng/ul	-0.05
17) Chrysene-d12	21.000	240	7303	0.400	ng/ul	-0.03
23) Perylene-d12	23.089	264	8446m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.025	96	2019	0.558	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.778	152	538	0.052	ng/ul	-0.09
18) Fluoranthene-d10	18.830	212	1205	0.055	ng/ul	-0.04
Target Compounds						
					Qvalue	
5) Naphthalene	10.233	128	2305	0.107	ng/ul#	86
7) 2-Methylnaphthalene	11.849	142	1152	0.095	ng/ul	93
8) 1-Methylnaphthalene	12.064	142	1021	0.076	ng/ul	99
10) Acenaphthylene	13.771	152	4305	0.213	ng/ul#	93
11) Acenaphthene	14.114	153	3233	0.222	ng/ul	97
12) Fluorene	15.117	166	4297	0.275	ng/ul	97
15) Phenanthrene	16.842	178	76293	3.106	ng/ul	96
16) Anthracene	16.930	178	20826	1.139	ng/ul	98
19) Fluoranthene	18.858	202	111356	3.522	ng/ul	97
20) Pyrene	19.225	202	86111	2.518	ng/ul	94
21) Benzo(a)anthracene	20.982	228	51350	1.820	ng/ul	99
22) Chrysene	21.035	228	43771	1.216	ng/ul	99
24) Benzo(b)fluoranthene	22.475	252	60880m	2.001	ng/ul	
25) Benzo(k)fluoranthene	22.507	252	22999m	0.636	ng/ul	
26) Benzo(a)pyrene	22.999	252	27760m	0.985	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.128	276	27182	0.589	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.128	278	7391	0.215	ng/ul#	82
29) Benzo(g,h,i)perylene	25.749	276	3908	0.099	ng/ul#	68

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

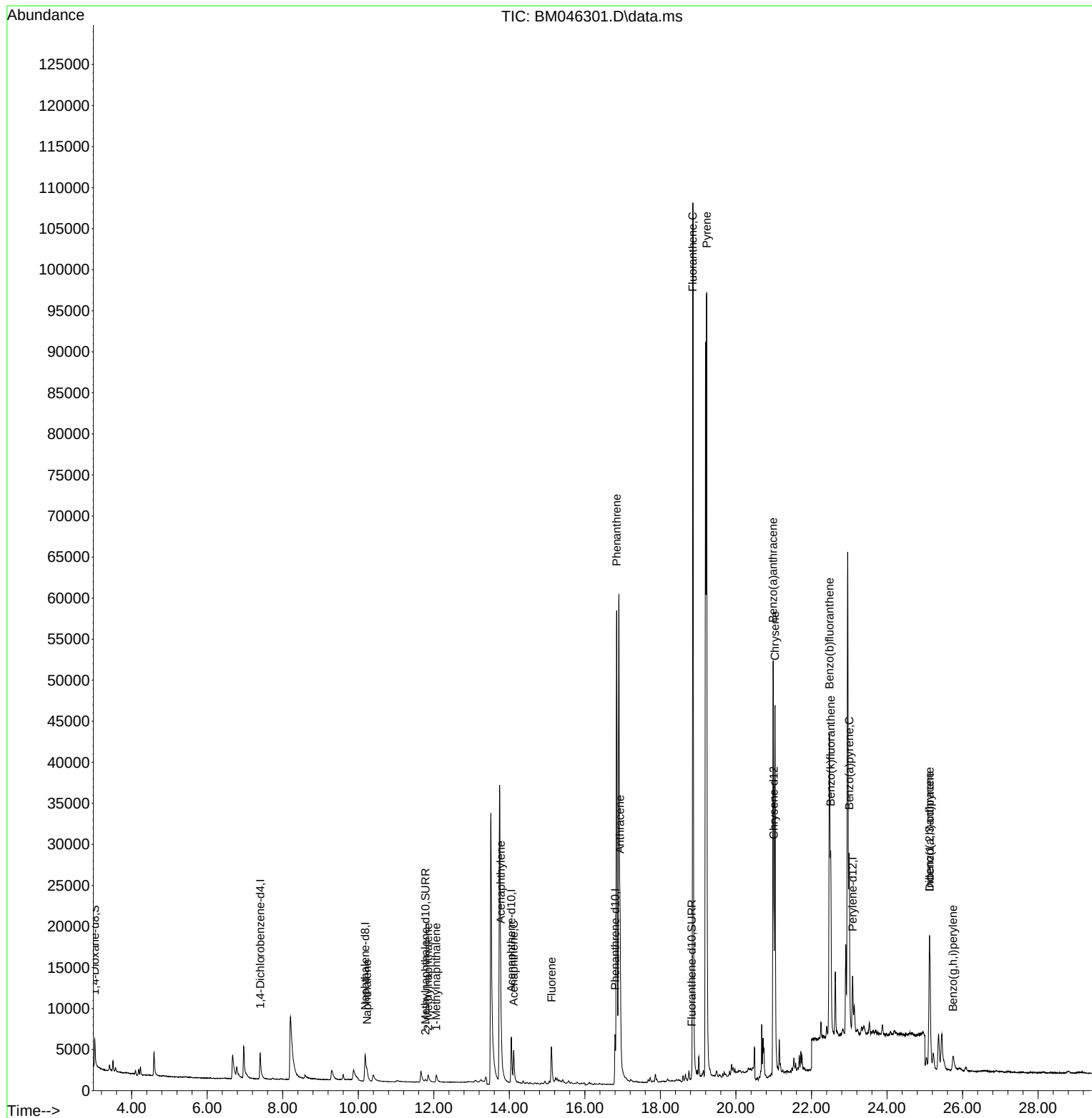
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046301.D
Acq On : 25 Jun 2024 20:57
Operator : MA/JU
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ALS Vial : 61 Sample Multiplier: 1

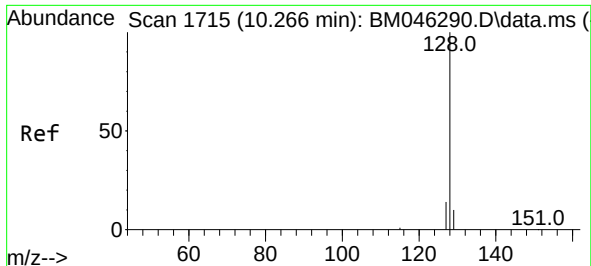
Instrument :
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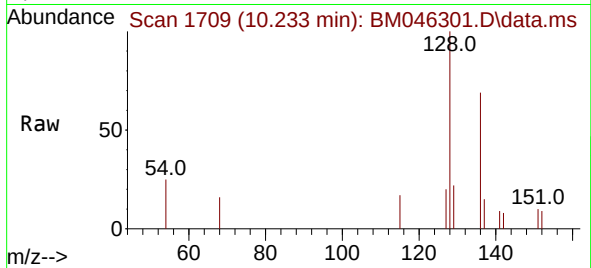
Quant Time: Jun 25 23:29:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.107 ng/ul
RT: 10.233 min Scan# 11
Delta R.T. -0.071 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57

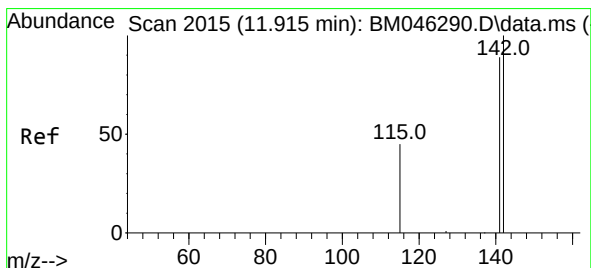
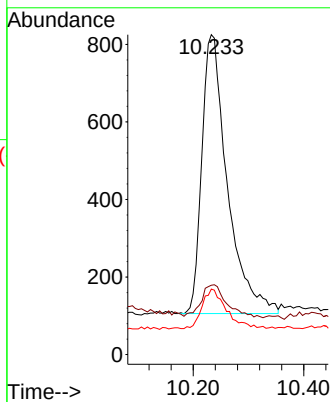
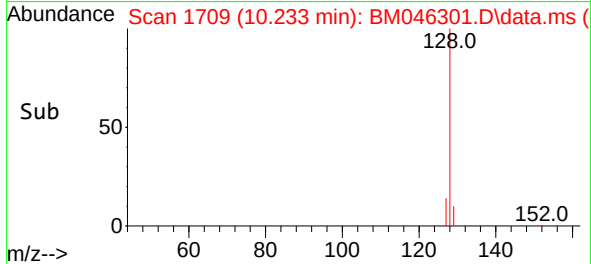
Instrument :
BNA_M
ClientSampleId :
A4C47DL



Tgt Ion:128 Resp: 230
Ion Ratio Lower Upper
128 100
129 21.7 11.8 17.6
127 20.5 12.8 19.2

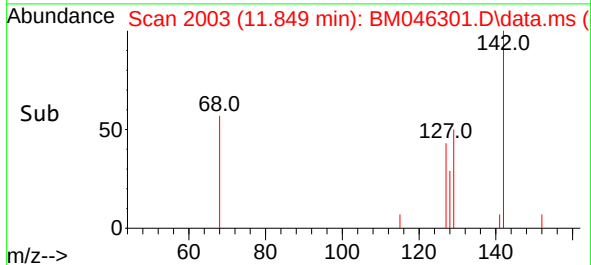
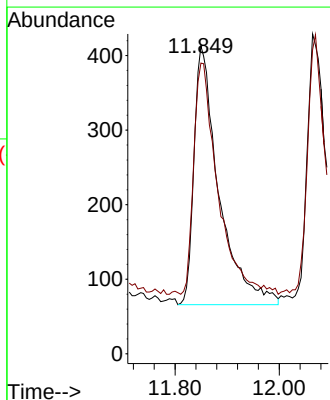
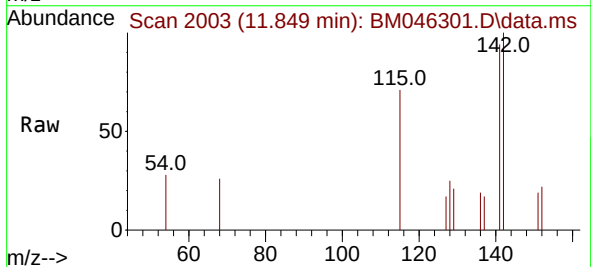
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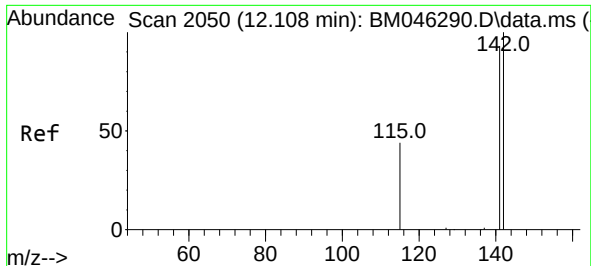
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#7
2-Methylnaphthalene
Concen: 0.095 ng/ul
RT: 11.849 min Scan# 2003
Delta R.T. -0.104 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57

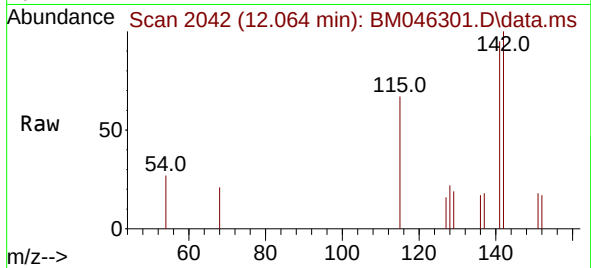
Tgt Ion:142 Resp: 1152
Ion Ratio Lower Upper
142 100
141 86.1 74.6 111.8





#8
1-Methylnaphthalene
Concen: 0.076 ng/ul
RT: 12.064 min Scan# 2050
Delta R.T. -0.071 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57

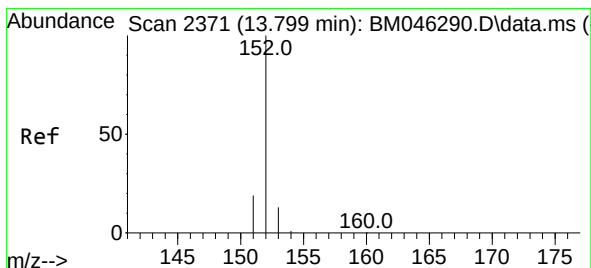
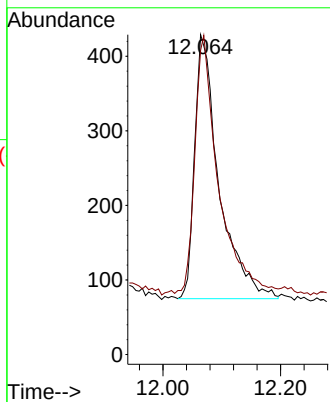
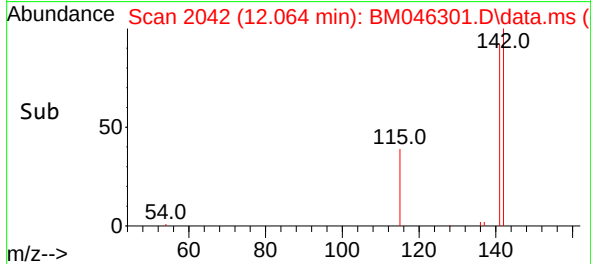
Instrument :
BNA_M
ClientSampleId :
A4C47DL



Tgt Ion:142 Resp: 102
Ion Ratio Lower Upper
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141 94.9 75.2 112.8

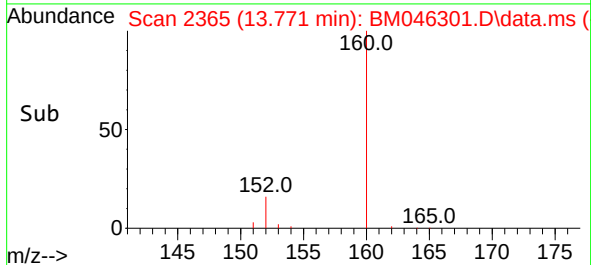
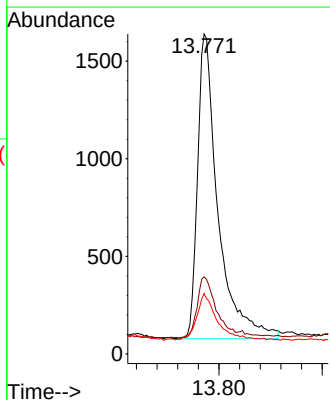
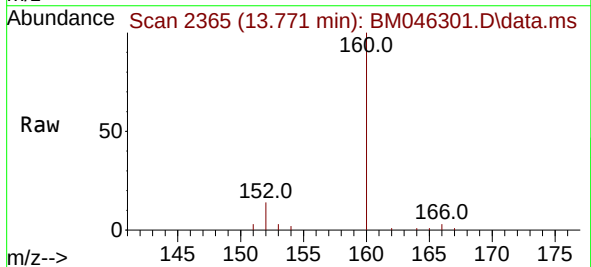
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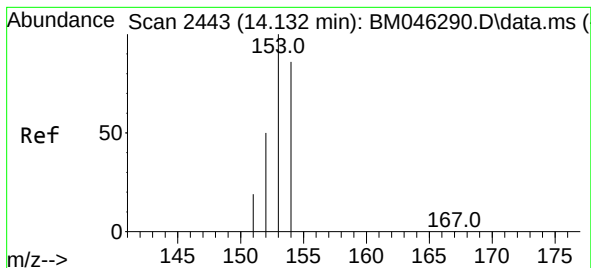
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#10
Acenaphthylene
Concen: 0.213 ng/ul
RT: 13.771 min Scan# 2365
Delta R.T. -0.046 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57

Tgt Ion:152 Resp: 4305
Ion Ratio Lower Upper
152 100
151 24.1 17.4 26.2
153 18.9 11.8 17.8#





#11

Acenaphthene

Concen: 0.222 ng/u1

RT: 14.114 min Scan# 2443

Delta R.T. -0.032 min

Lab File: BM046301.D

Acq: 25 Jun 2024 20:57

Instrument :

BNA_M

ClientSampleId :

A4C47DL

Tgt Ion:153 Resp: 323

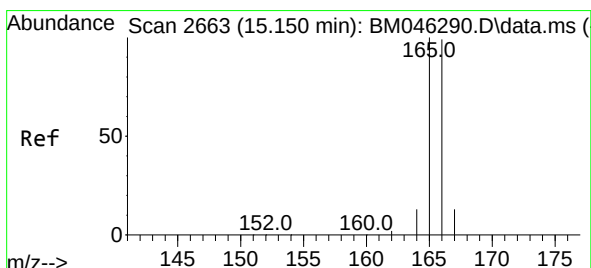
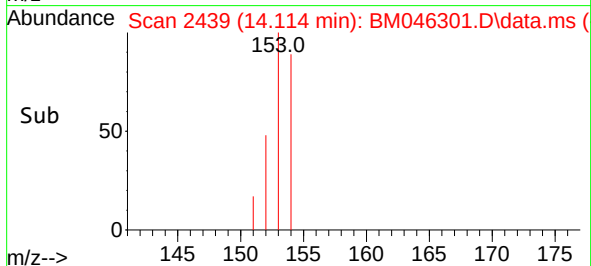
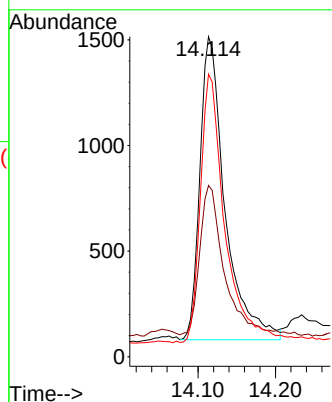
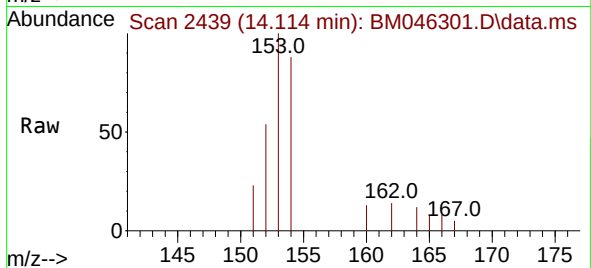
Ion	Ratio	Lower	Upper
153	100		
152	53.5	41.3	61.9
154	88.3	68.2	102.4

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2024



#12

Fluorene

Concen: 0.275 ng/u1

RT: 15.117 min Scan# 2656

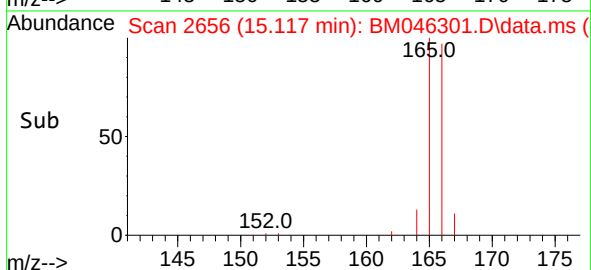
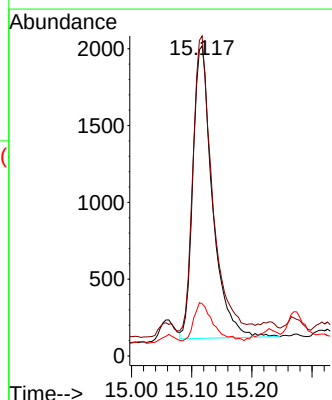
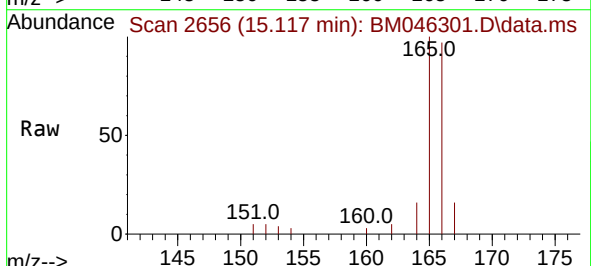
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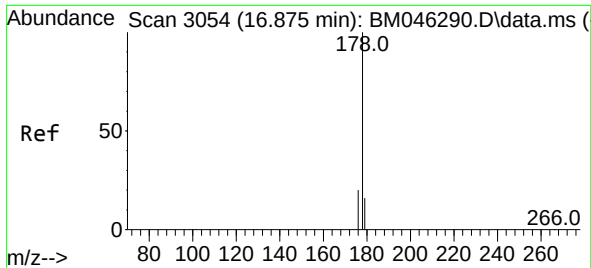
Lab File: BM046301.D

Acq: 25 Jun 2024 20:57

Tgt Ion:166 Resp: 4297

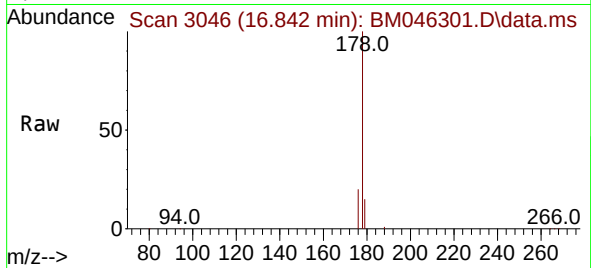
Ion	Ratio	Lower	Upper
166	100		
165	103.2	80.4	120.6
167	16.8	12.4	18.6





#15
Phenanthrene
Concen: 3.106 ng/u1
RT: 16.842 min Scan# 3067
Delta R.T. -0.046 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57

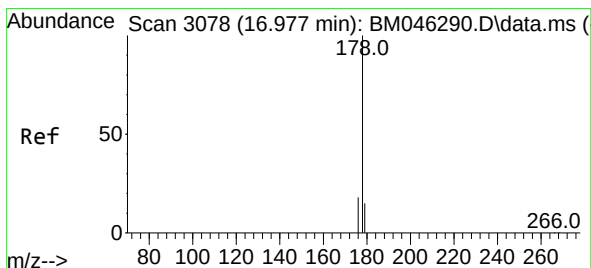
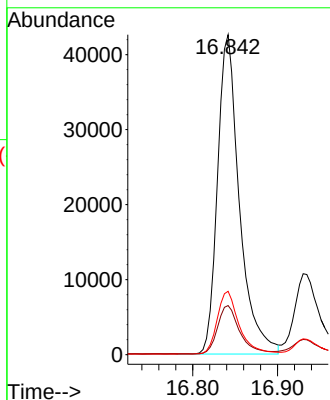
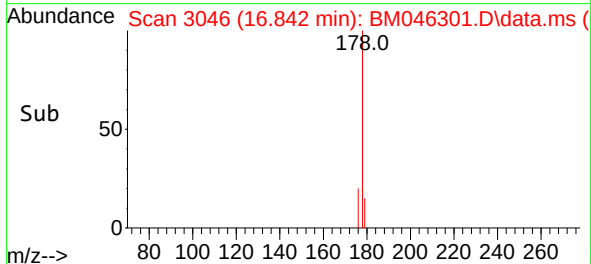
Instrument :
BNA_M
ClientSampleId :
A4C47DL



Tgt Ion:178 Resp: 7629
Ion Ratio Lower Upper
178 100
179 15.3 14.2 21.2
176 19.8 17.1 25.7

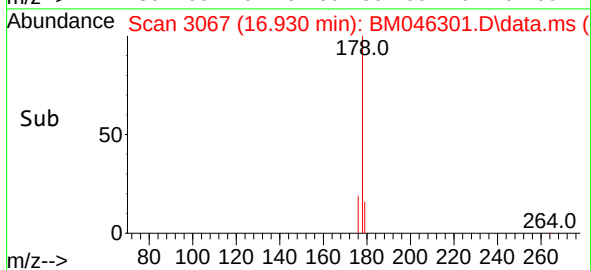
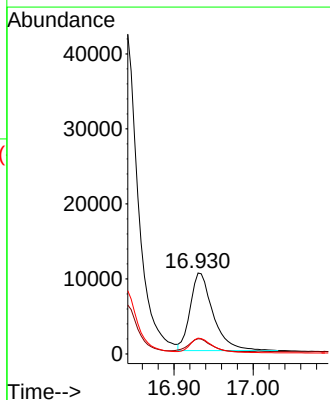
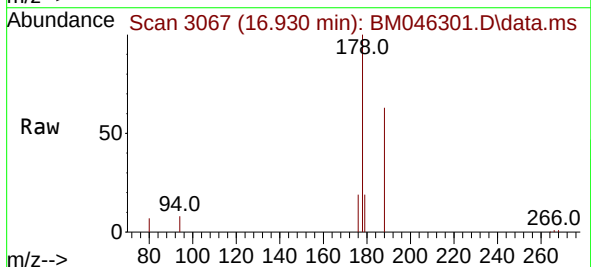
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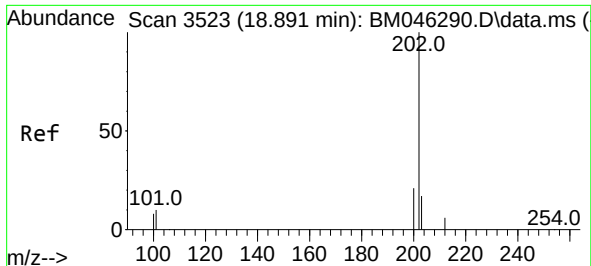
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#16
Anthracene
Concen: 1.139 ng/u1
RT: 16.930 min Scan# 3067
Delta R.T. -0.076 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57

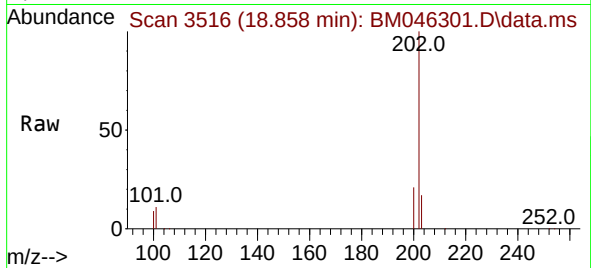
Tgt Ion:178 Resp: 20826
Ion Ratio Lower Upper
178 100
179 18.7 14.9 22.3
176 19.5 17.0 25.4





#19
Fluoranthene
Concen: 3.522 ng/u1
RT: 18.858 min Scan# 3516
Delta R.T. -0.046 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57

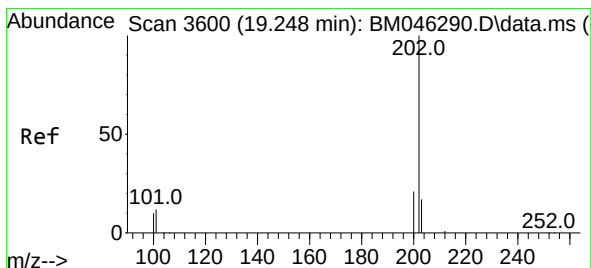
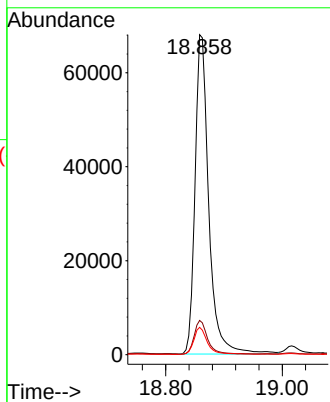
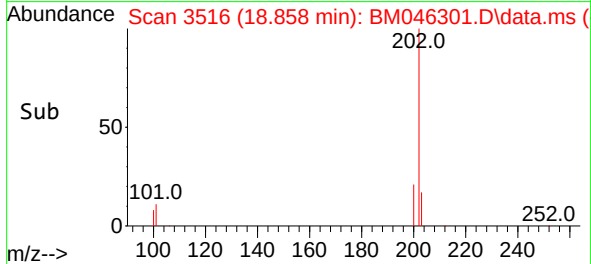
Instrument :
BNA_M
ClientSampleId :
A4C47DL



Tgt Ion:202 Resp: 11135
Ion Ratio Lower Upper
202 100
101 10.7 9.6 14.4
100 8.5 7.6 11.4

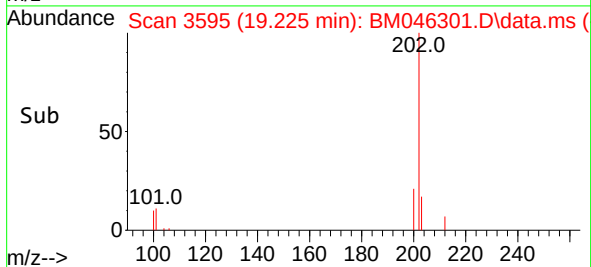
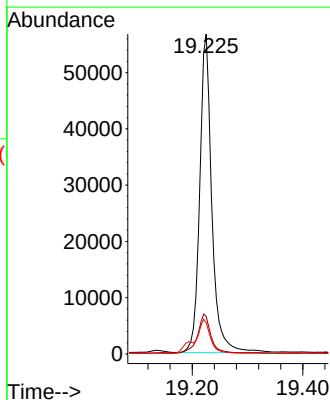
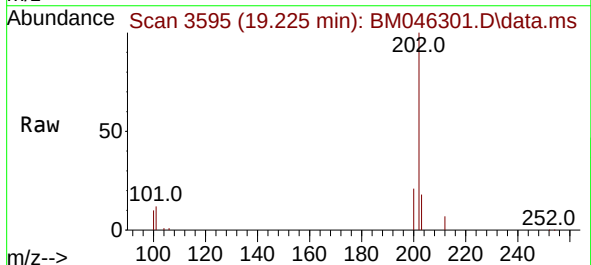
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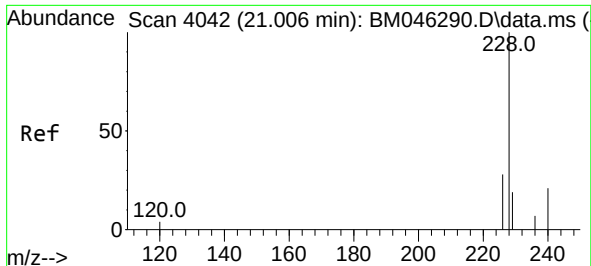
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#20
Pyrene
Concen: 2.518 ng/u1
RT: 19.225 min Scan# 3595
Delta R.T. -0.033 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57

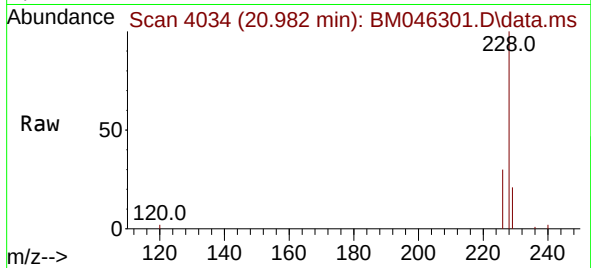
Tgt Ion:202 Resp: 86111
Ion Ratio Lower Upper
202 100
101 11.7 11.3 16.9
100 9.8 9.8 14.6





#21
Benzo(a)anthracene
Concen: 1.820 ng/ul
RT: 20.982 min Scan# 4034
Delta R.T. -0.029 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57

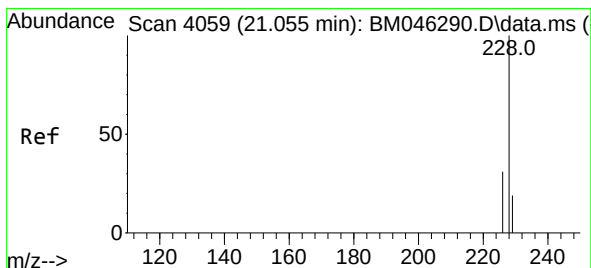
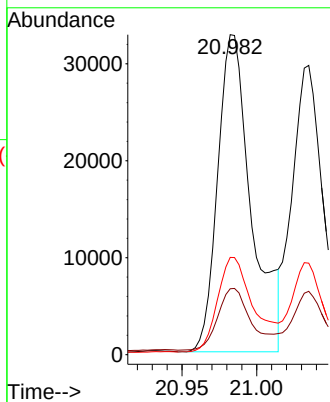
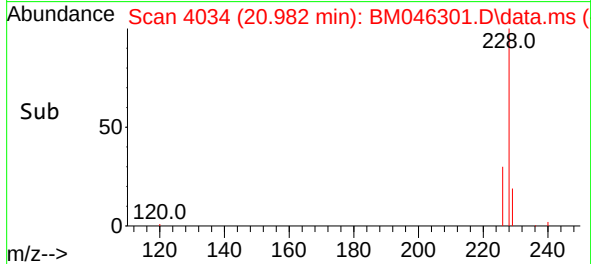
Instrument :
BNA_M
ClientSampleId :
A4C47DL



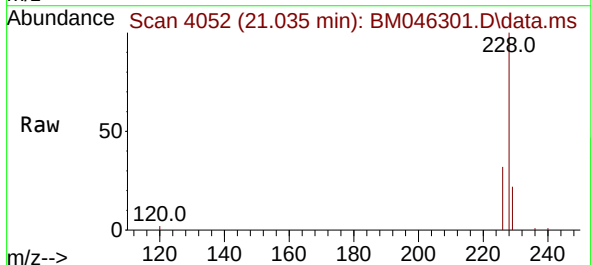
Tgt Ion:228 Resp: 51350
Ion Ratio Lower Upper
228 100
229 20.6 16.4 24.6
226 30.4 23.4 35.2

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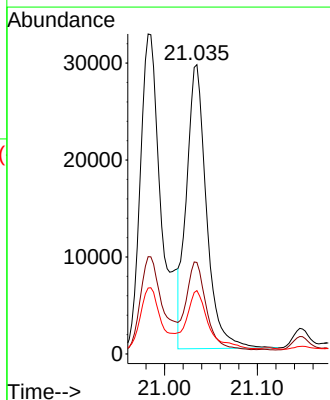
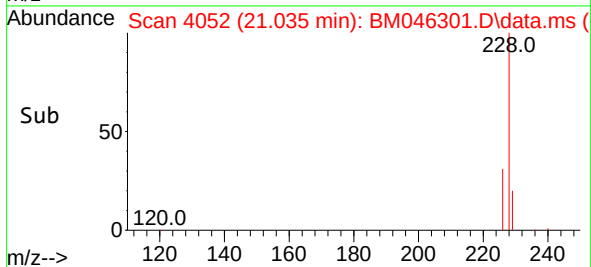
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

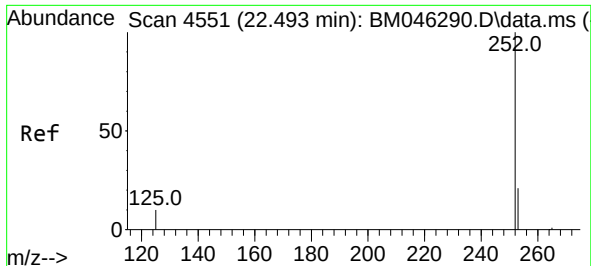


#22
Chrysene
Concen: 1.216 ng/ul
RT: 21.035 min Scan# 4052
Delta R.T. -0.023 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57



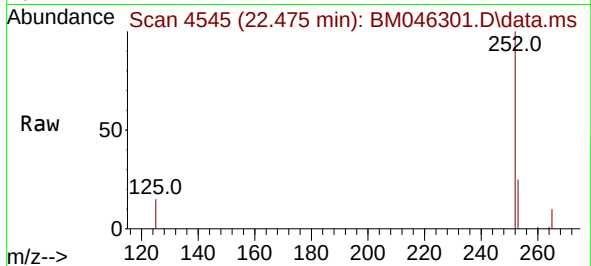
Tgt Ion:228 Resp: 43771
Ion Ratio Lower Upper
228 100
226 31.6 25.2 37.8
229 21.9 16.3 24.5





#24
Benzo(b)fluoranthene
Concen: 2.001 ng/ul m
RT: 22.475 min Scan# 4545
Delta R.T. -0.020 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57

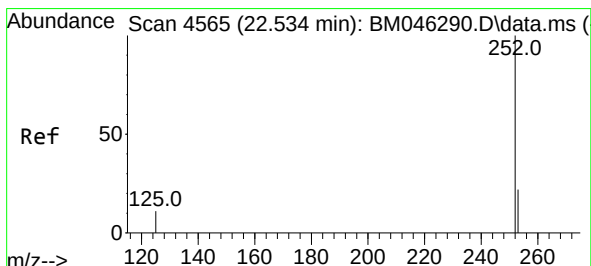
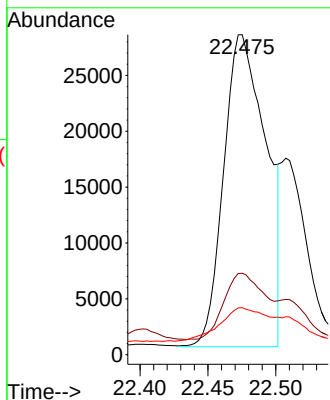
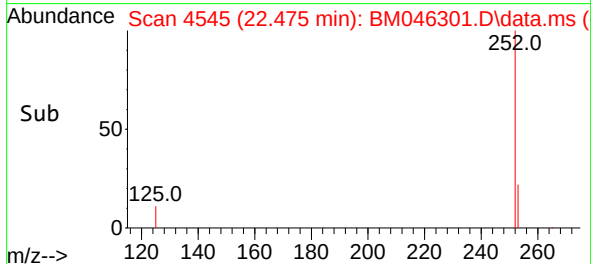
Instrument :
BNA_M
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A4C47DL



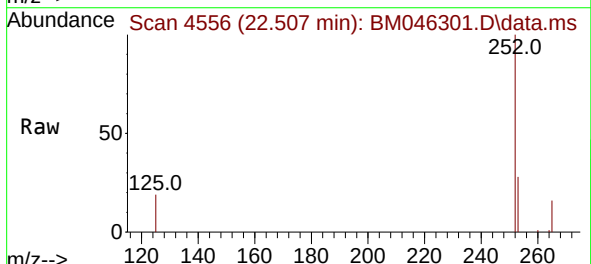
Tgt Ion:252 Resp: 60880
Ion Ratio Lower Upper
252 100
253 25.5 0.0 65.8
125 14.7 0.0 40.2

Manual Integrations
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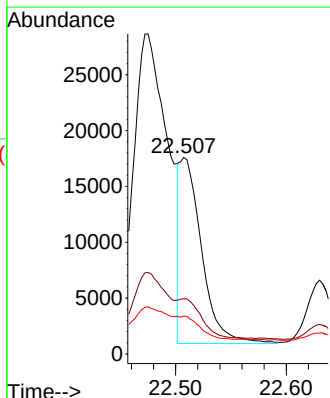
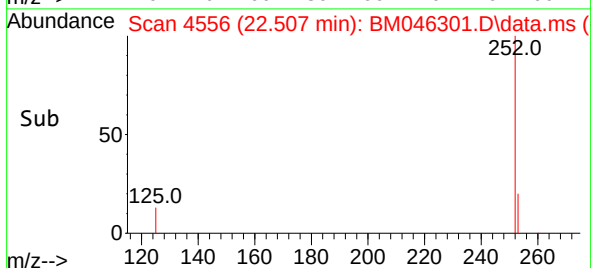
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

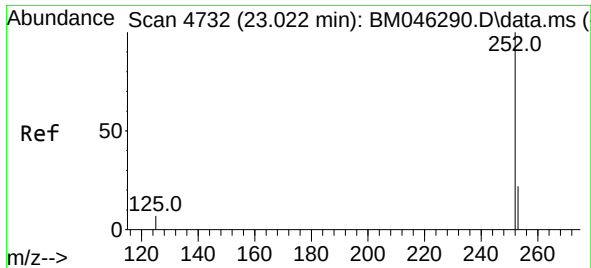


#25
Benzo(k)fluoranthene
Concen: 0.636 ng/ul m
RT: 22.507 min Scan# 4556
Delta R.T. -0.029 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57



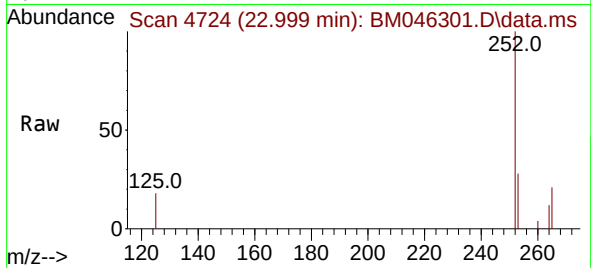
Tgt Ion:252 Resp: 22999
Ion Ratio Lower Upper
252 100
253 28.1 27.2 40.8
125 19.3 16.6 25.0





#26
Benzo(a)pyrene
Concen: 0.985 ng/ul m
RT: 22.999 min Scan# 4724
Delta R.T. -0.029 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57

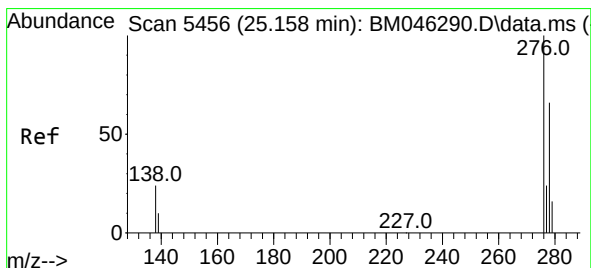
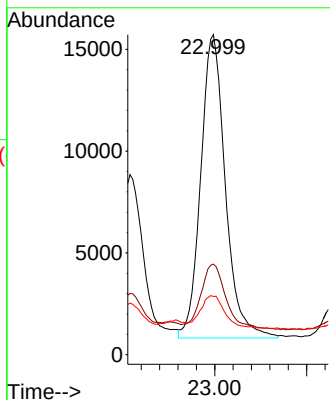
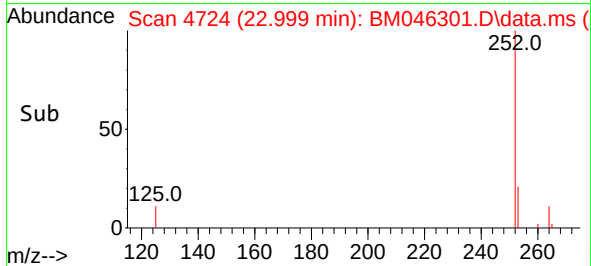
Instrument :
BNA_M
ClientSampleId :
A4C47DL



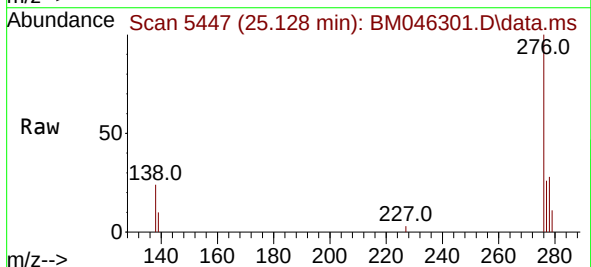
Tgt Ion:252 Resp: 27760
Ion Ratio Lower Upper
252 100
253 28.3 32.1 48.1
125 18.2 21.2 31.8

Manual Integrations
APPROVED

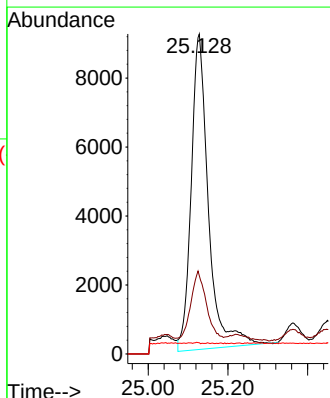
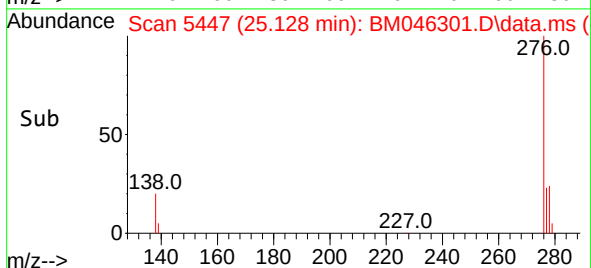
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

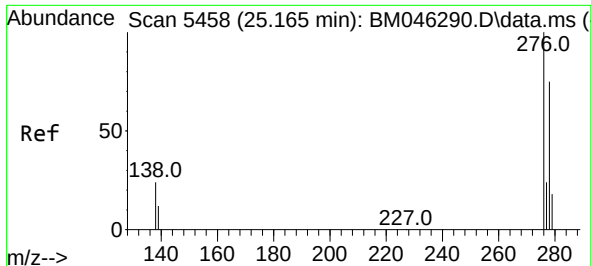


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.589 ng/ul
RT: 25.128 min Scan# 5447
Delta R.T. -0.040 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57



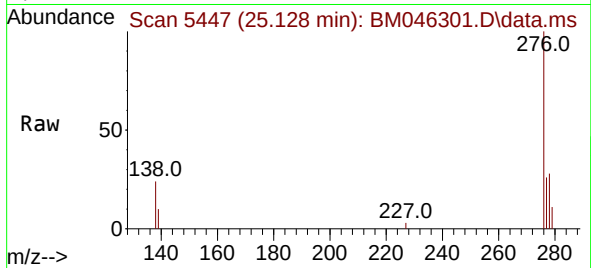
Tgt Ion:276 Resp: 27182
Ion Ratio Lower Upper
276 100
138 28.3 21.0 31.4
227 22.8 0.0 0.0





#28
Dibenzo(a,h)anthracene
Concen: 0.215 ng/ul
RT: 25.128 min Scan# 5458
Delta R.T. -0.054 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57

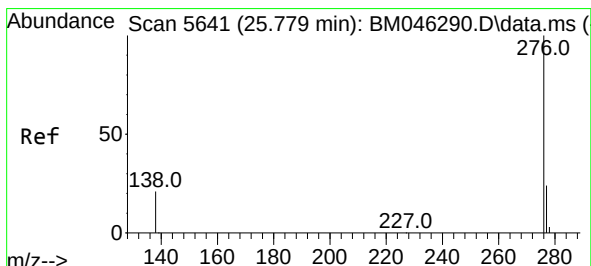
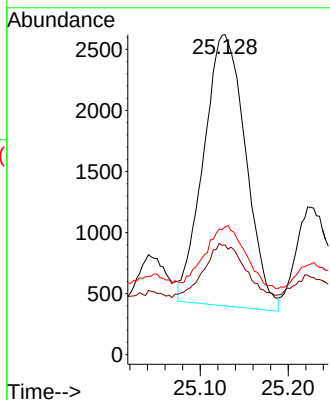
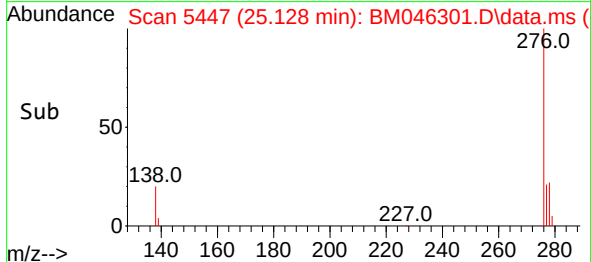
Instrument :
BNA_M
ClientSampleId :
A4C47DL



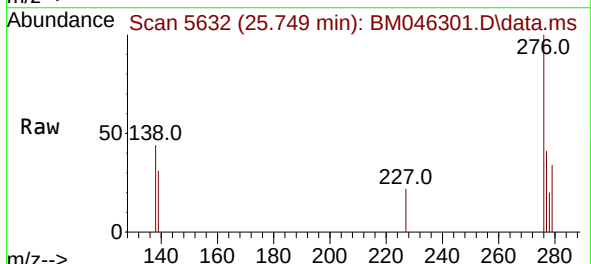
Tgt Ion:278 Resp: 739
Ion Ratio Lower Upper
278 100
139 34.3 17.6 26.4#
279 39.9 26.3 39.5#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#29
Benzo(g,h,i)perylene
Concen: 0.099 ng/ul
RT: 25.749 min Scan# 5632
Delta R.T. -0.037 min
Lab File: BM046301.D
Acq: 25 Jun 2024 20:57



Tgt Ion:276 Resp: 3908
Ion Ratio Lower Upper
276 100
138 44.1 21.7 32.5#
277 41.2 20.4 30.6#

