

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062923\
 Data File : BM040447.D
 Acq On : 29 Jun 2023 21:05
 Operator : MA/JU
 Sample : 03143-11DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFU8DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/30/2023
 Supervised By :mohammad ahmed 06/30/2023

Quant Time: Jun 30 03:07:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 00:44:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	7286	0.400	ng/ul	0.00
4) Naphthalene-d8	10.751	136	26551	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.582	164	12420	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	23790	0.400	ng/ul	0.00
17) Chrysene-d12	21.509	240	13800	0.400	ng/ul	0.00
23) Perylene-d12	23.926	264	13435	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	7284	0.636	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	1679	0.045	ng/ul	0.00
18) Fluoranthene-d10	19.356	212	2511	0.057	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.800	128	3750	0.051	ng/ul#	88
7) 2-Methylnaphthalene	12.417	142	2375	0.055	ng/ul	97
8) 1-Methylnaphthalene	12.631	142	1737	0.040	ng/ul	98
10) Acenaphthylene	14.309	152	5715	0.103	ng/ul#	94
11) Acenaphthene	14.647	153	3380	0.072	ng/ul	97
12) Fluorene	15.632	166	3014	0.060	ng/ul#	96
15) Phenanthrene	17.370	178	98726	1.336	ng/ul	99
16) Anthracene	17.463	178	12159	0.196	ng/ul	98
19) Fluoranthene	19.384	202	322615	5.504	ng/ul	96
20) Pyrene	19.747	202	241729	3.846	ng/ul	99
21) Benzo(a)anthracene	21.494	228	104376	2.236	ng/ul	99
22) Chrysene	21.547	228	123506	2.320	ng/ul	98
24) Benzo(b)fluoranthene	23.190	252	183323	3.526	ng/ul	90
25) Benzo(k)fluoranthene	23.230	252	59337m	1.158	ng/ul	
26) Benzo(a)pyrene	23.815	252	108329	2.313	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	26.427	276	95186	1.459	ng/ul#	87
28) Dibenzo(a,h)anthracene	26.441	278	22367	0.438	ng/ul	95
29) Benzo(g,h,i)perylene	27.202	276	86671	1.516	ng/ul	96

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

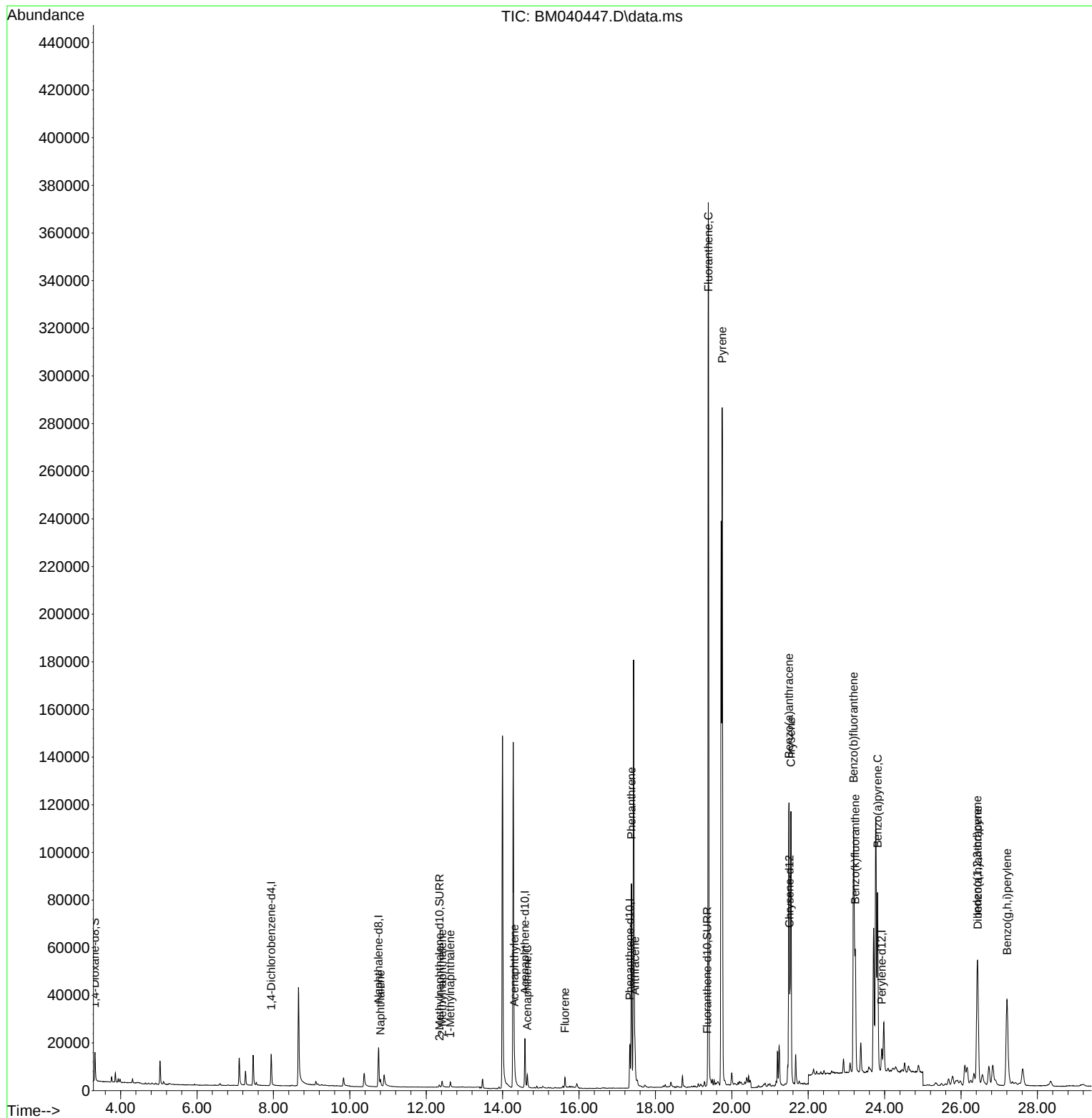
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062923\
Data File : BM040447.D
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ALS Vial : 21 Sample Multiplier: 1

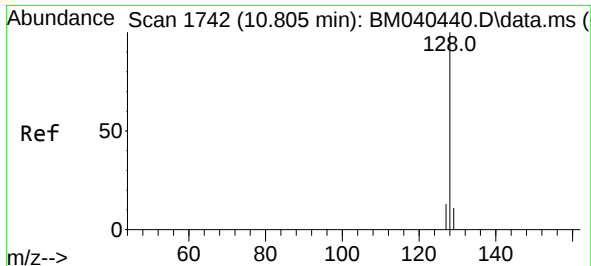
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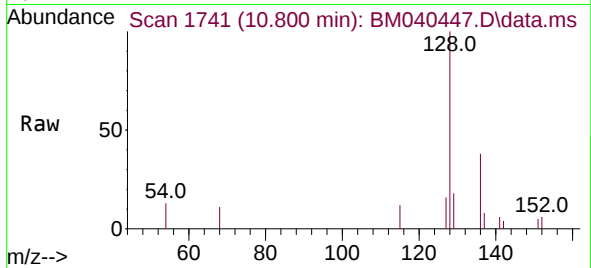
Quant Time: Jun 30 03:07:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 00:44:24 2023
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#5
Naphthalene
Concen: 0.051 ng/ul
RT: 10.800 min Scan# 1742
Delta R.T. -0.011 min
Lab File: BM040447.D
Acq: 29 Jun 2023 21:05

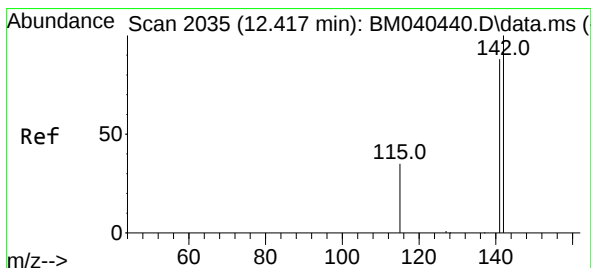
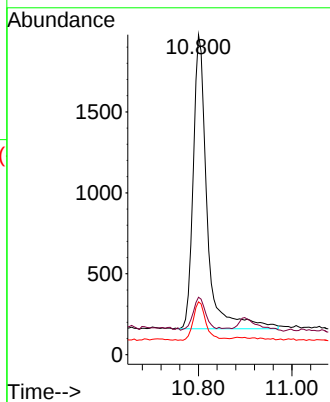
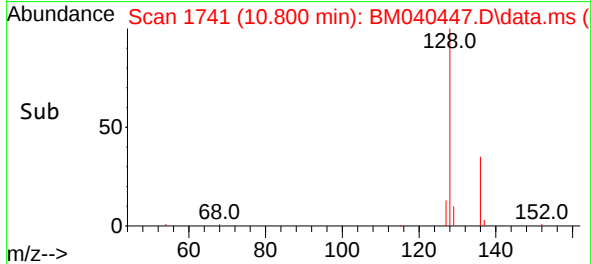
Instrument :
BNA_M
ClientSampleId :
DCFU8DL



Tgt Ion:128 Resp: 3750
Ion Ratio Lower Upper
128 100
129 18.0 9.2 13.8
127 16.5 10.6 15.8

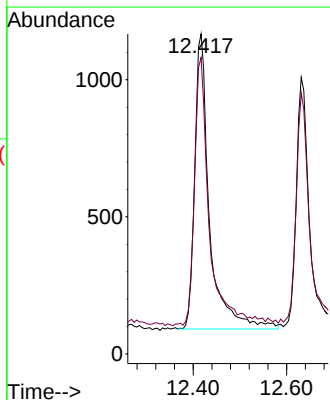
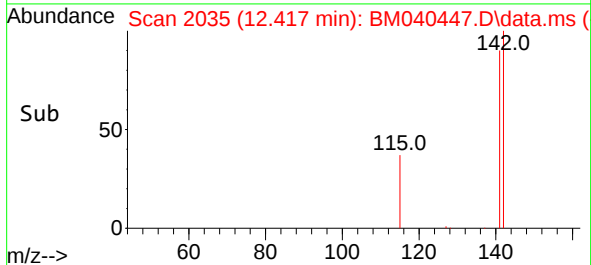
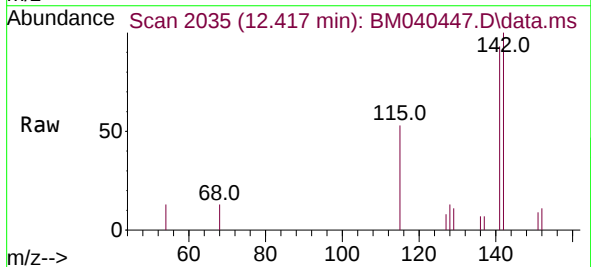
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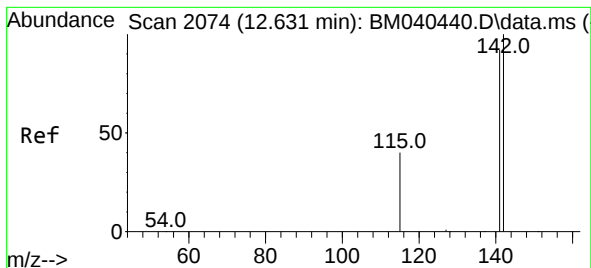
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#7
2-Methylnaphthalene
Concen: 0.055 ng/ul
RT: 12.417 min Scan# 2035
Delta R.T. -0.005 min
Lab File: BM040447.D
Acq: 29 Jun 2023 21:05

Tgt Ion:142 Resp: 2375
Ion Ratio Lower Upper
142 100
141 92.3 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.040 ng/ul

RT: 12.631 min Scan# 2074

Delta R.T. -0.011 min

Lab File: BM040447.D

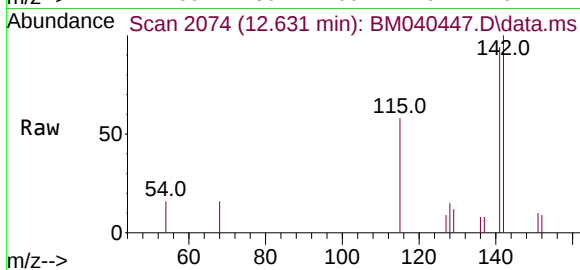
Acq: 29 Jun 2023 21:05

Instrument :

BNA_M

ClientSampleId :

DCFU8DL



Tgt Ion:142 Resp: 173

Ion Ratio Lower Upper

142 100

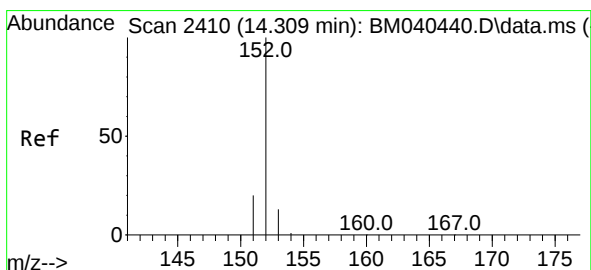
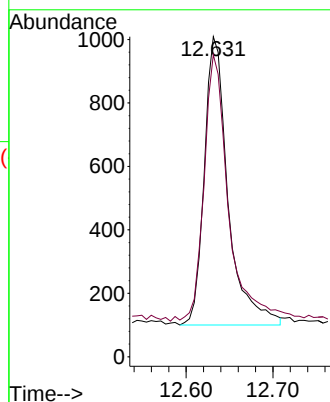
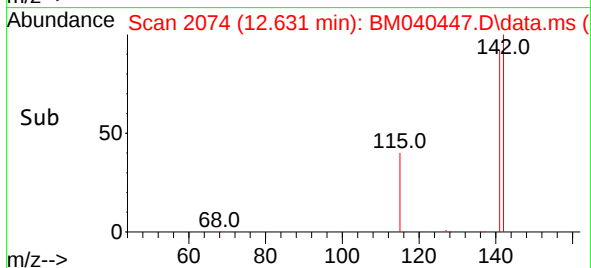
141 94.4 73.7 110.5

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#10

Acenaphthylene

Concen: 0.103 ng/ul

RT: 14.309 min Scan# 2410

Delta R.T. -0.005 min

Lab File: BM040447.D

Acq: 29 Jun 2023 21:05

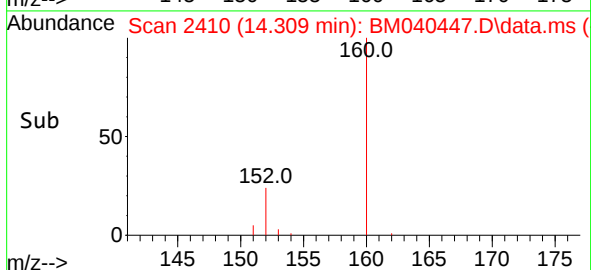
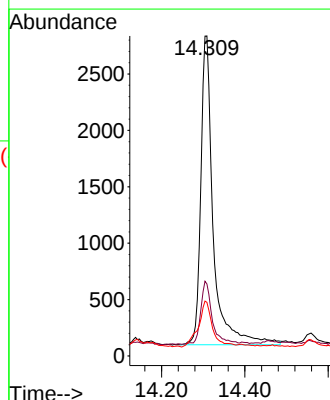
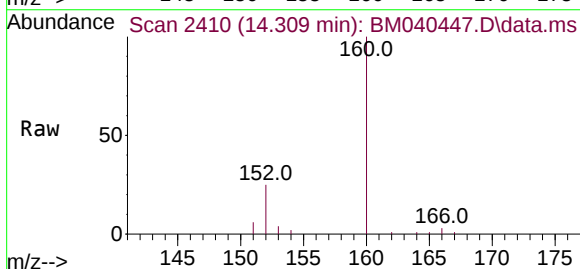
Tgt Ion:152 Resp: 5715

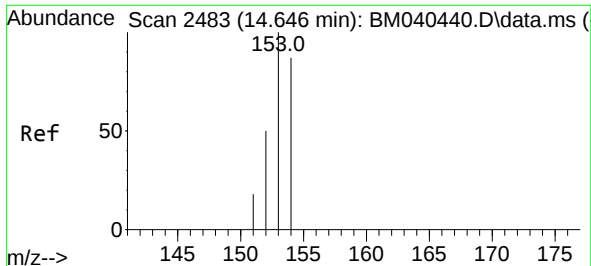
Ion Ratio Lower Upper

152 100

151 22.5 16.2 24.2

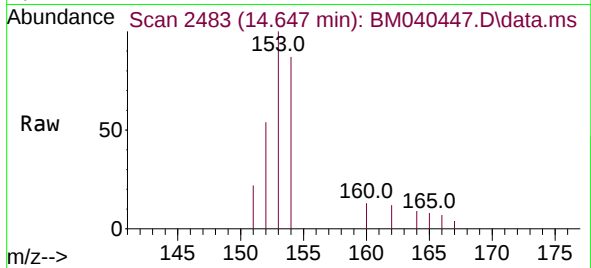
153 16.7 10.9 16.3#





#11
Acenaphthene
Concen: 0.072 ng/u1
RT: 14.647 min Scan# 2483
Delta R.T. -0.009 min
Lab File: BM040447.D
Acq: 29 Jun 2023 21:05

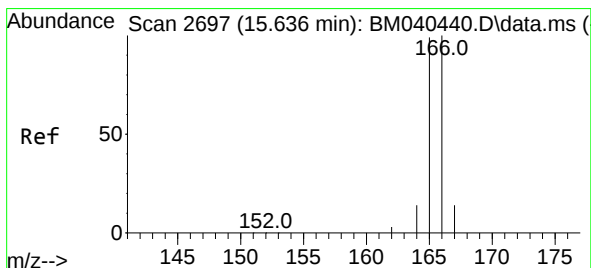
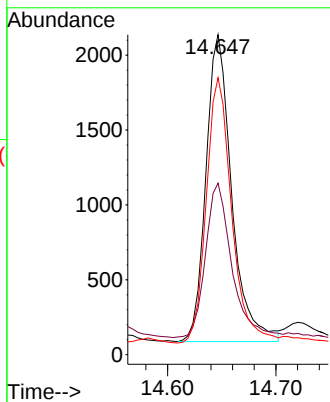
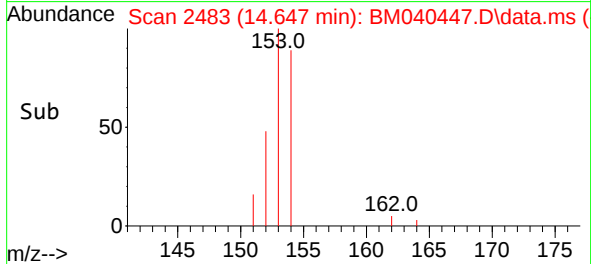
Instrument :
BNA_M
ClientSampleId :
DCFU8DL



Tgt Ion:153 Resp: 3380
Ion Ratio Lower Upper
153 100
152 53.6 41.0 61.4
154 86.6 70.8 106.2

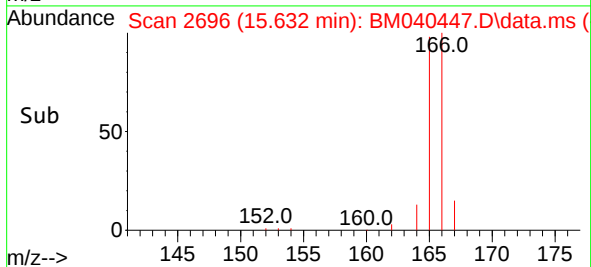
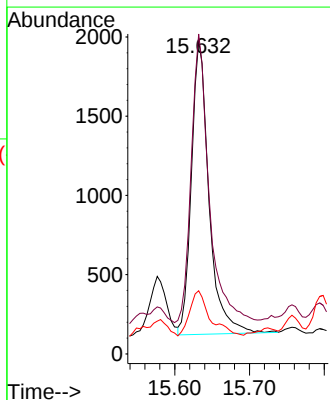
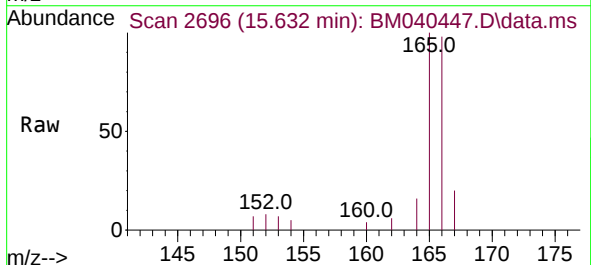
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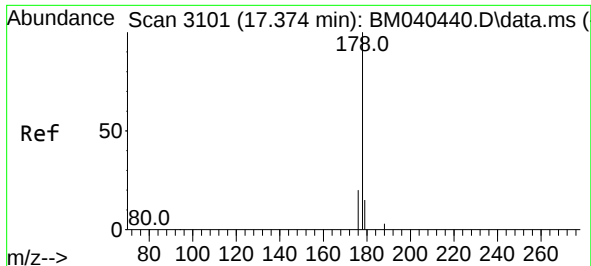
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#12
Fluorene
Concen: 0.060 ng/u1
RT: 15.632 min Scan# 2696
Delta R.T. -0.009 min
Lab File: BM040447.D
Acq: 29 Jun 2023 21:05

Tgt Ion:166 Resp: 3014
Ion Ratio Lower Upper
166 100
165 102.1 79.6 119.4
167 20.1 11.4 17.0#





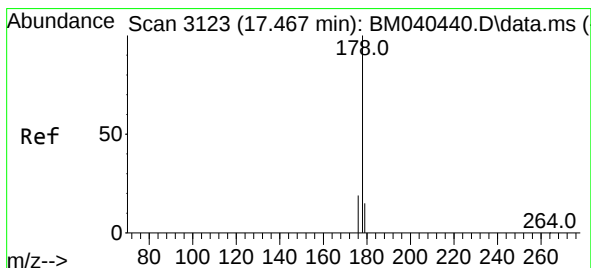
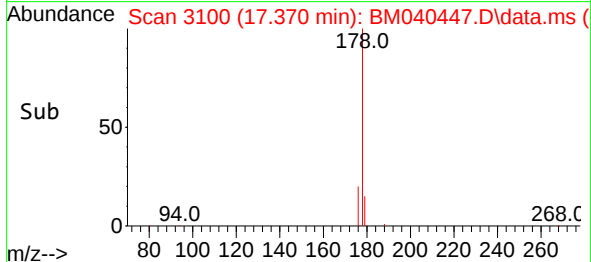
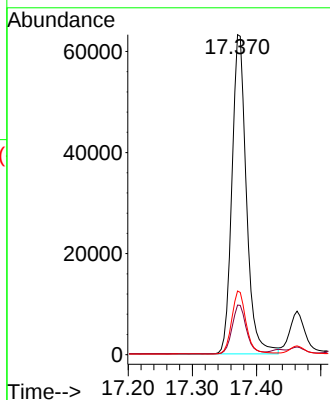
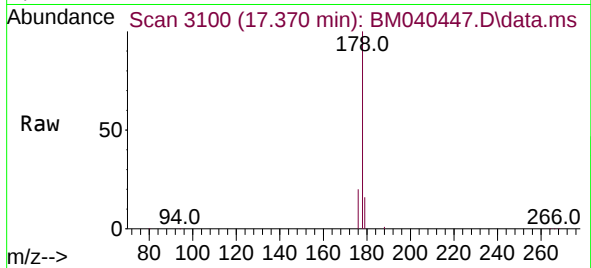
#15
Phenanthrene
Concen: 1.336 ng/u1
RT: 17.370 min Scan# 3101
Delta R.T. -0.008 min
Lab File: BM040447.D
Acq: 29 Jun 2023 21:05

Instrument :
BNA_M
ClientSampleId :
DCFU8DL

Tgt Ion:178 Resp: 98720
Ion Ratio Lower Upper
178 100
179 15.5 12.8 19.2
176 19.9 16.4 24.6

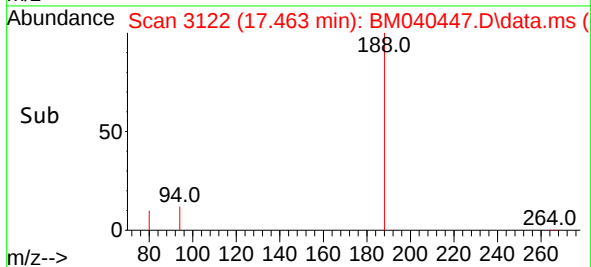
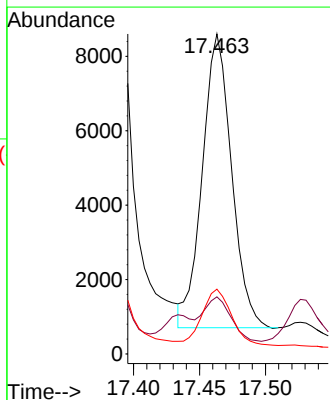
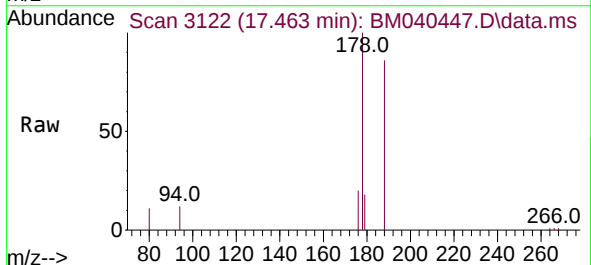
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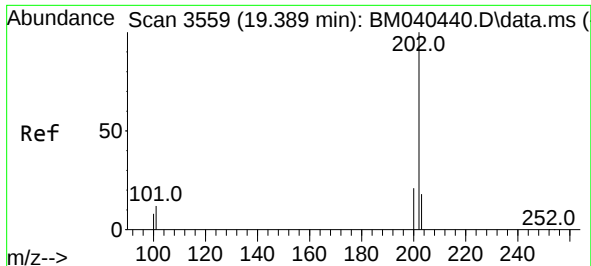
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#16
Anthracene
Concen: 0.196 ng/u1
RT: 17.463 min Scan# 3122
Delta R.T. -0.008 min
Lab File: BM040447.D
Acq: 29 Jun 2023 21:05

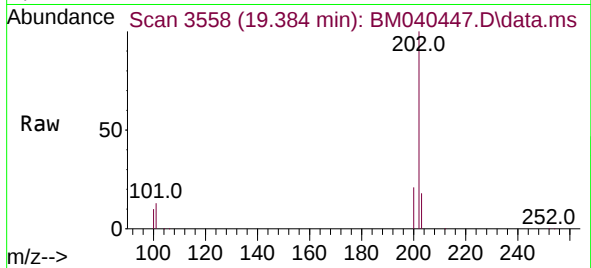
Tgt Ion:178 Resp: 12159
Ion Ratio Lower Upper
178 100
179 17.8 12.9 19.3
176 20.2 15.8 23.6





#19
Fluoranthene
Concen: 5.504 ng/u1
RT: 19.384 min Scan# 31
Delta R.T. -0.005 min
Lab File: BM040447.D
Acq: 29 Jun 2023 21:05

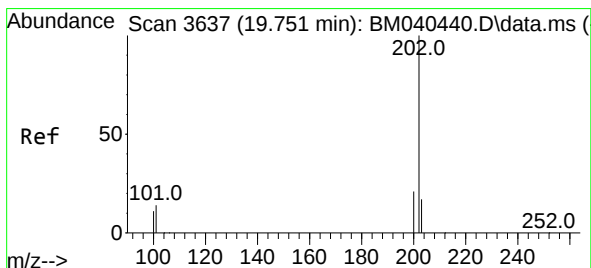
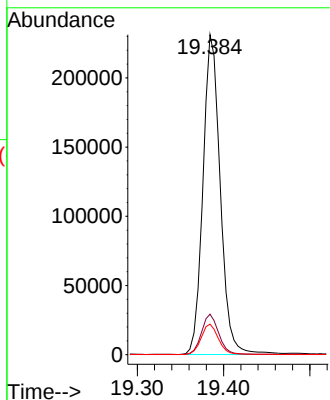
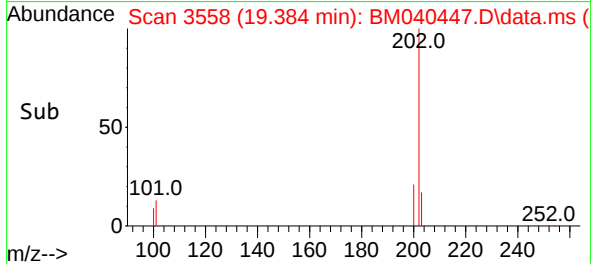
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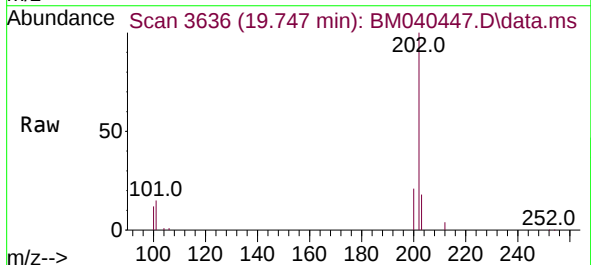
Tgt Ion:202 Resp: 32261
Ion Ratio Lower Upper
202 100
101 12.6 11.4 17.0
100 9.6 8.7 13.1

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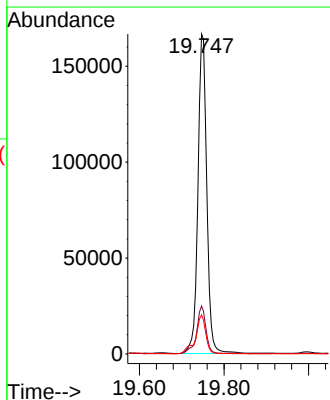
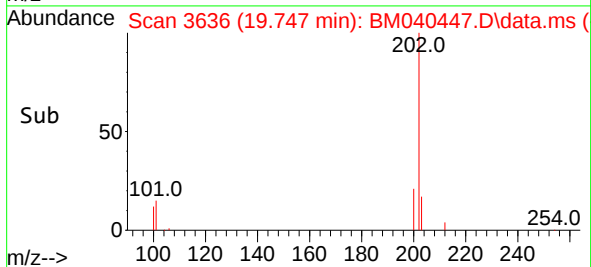
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023

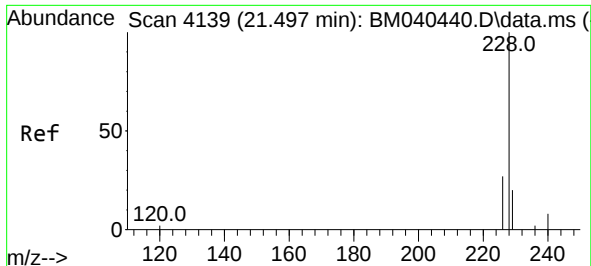


#20
Pyrene
Concen: 3.846 ng/u1
RT: 19.747 min Scan# 3636
Delta R.T. -0.009 min
Lab File: BM040447.D
Acq: 29 Jun 2023 21:05



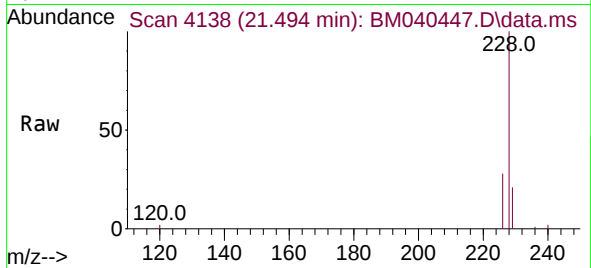
Tgt Ion:202 Resp: 241729
Ion Ratio Lower Upper
202 100
101 15.0 12.6 18.8
100 12.2 9.8 14.6





#21
Benzo(a)anthracene
Concen: 2.236 ng/u1
RT: 21.494 min Scan# 4139
Delta R.T. -0.006 min
Lab File: BM040447.D
Acq: 29 Jun 2023 21:05

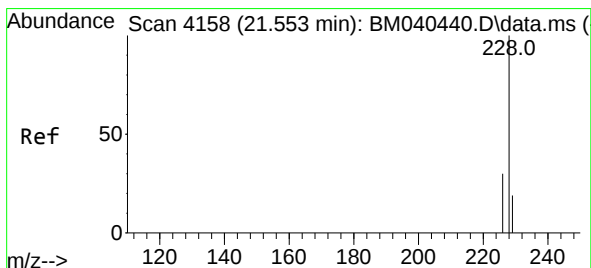
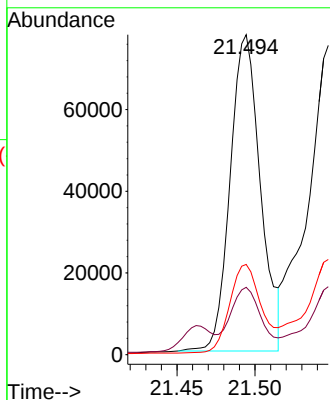
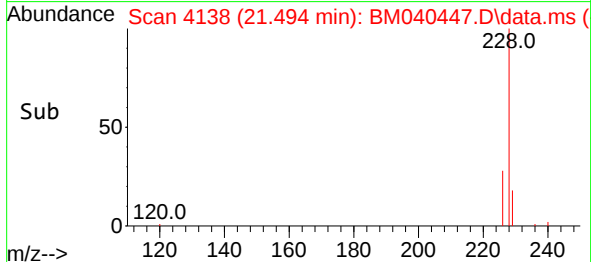
Instrument :
BNA_M
ClientSampleId :
DCFU8DL



Tgt Ion:228 Resp: 104370
Ion Ratio Lower Upper
228 100
229 21.0 16.0 24.0
226 28.2 22.3 33.5

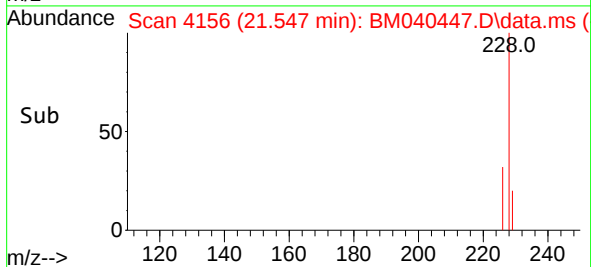
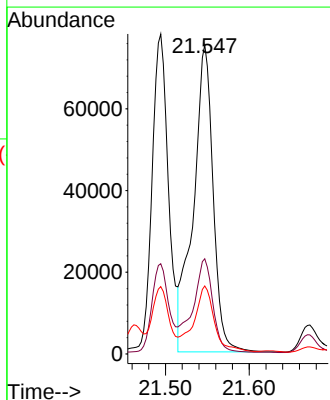
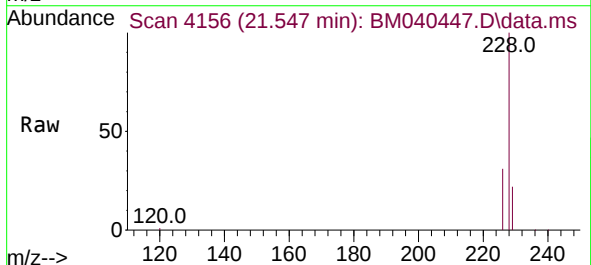
Manual Integrations
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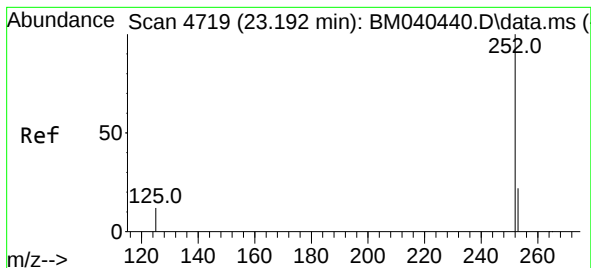
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#22
Chrysene
Concen: 2.320 ng/u1
RT: 21.547 min Scan# 4156
Delta R.T. -0.006 min
Lab File: BM040447.D
Acq: 29 Jun 2023 21:05

Tgt Ion:228 Resp: 123506
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 22.0 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 3.526 ng/ul

RT: 23.190 min Scan# 4719

Delta R.T. -0.003 min

Lab File: BM040447.D

Acq: 29 Jun 2023 21:05

Instrument :

BNA_M

ClientSampleId :

DCFU8DL

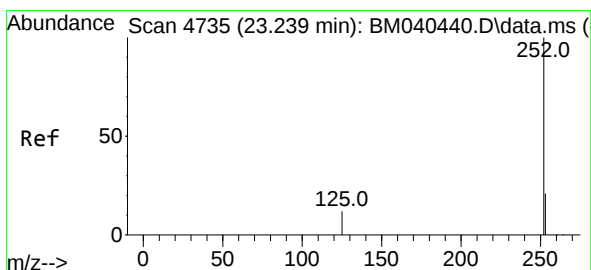
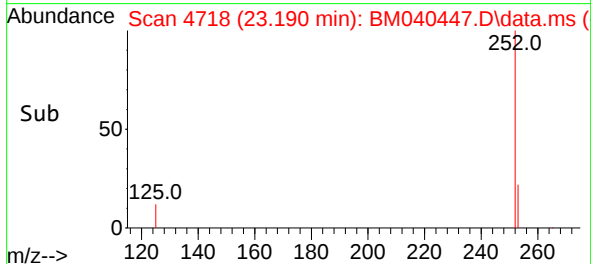
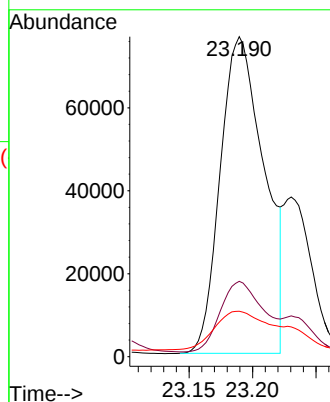
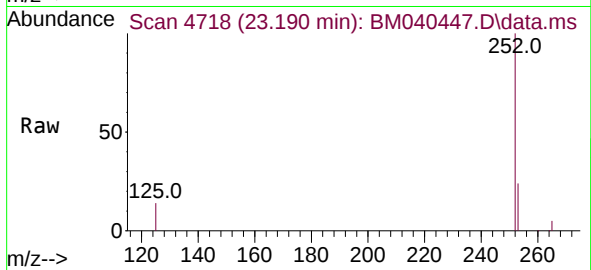
Tgt Ion:252	Resp:	18332
Ion Ratio	Lower	Upper
252	100	
253	23.5	0.0 52.8
125	14.2	0.0 43.0

Manual Integrations

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Supervised By :mohammad ahmed 06/30/2023



#25

Benzo(k)fluoranthene

Concen: 1.158 ng/ul m

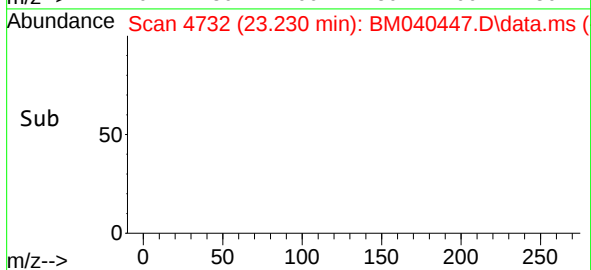
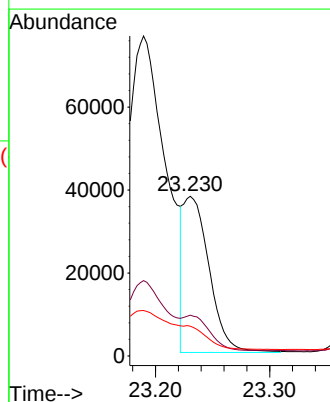
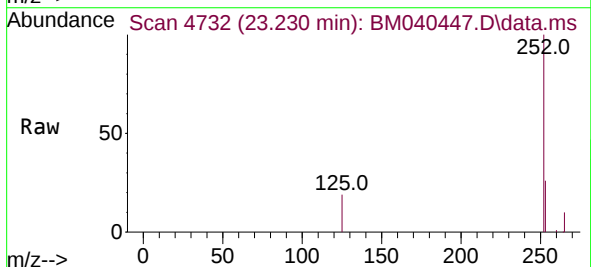
RT: 23.230 min Scan# 4732

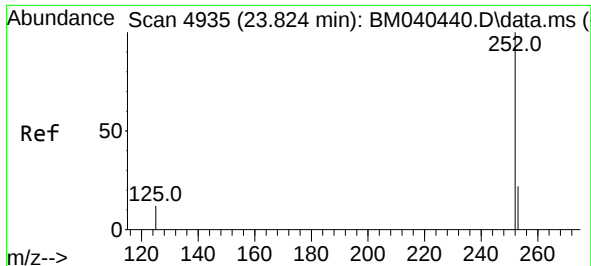
Delta R.T. -0.012 min

Lab File: BM040447.D

Acq: 29 Jun 2023 21:05

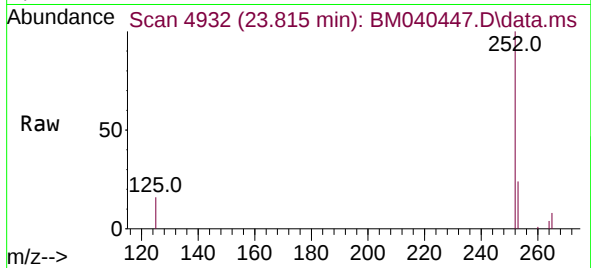
Tgt Ion:252	Resp:	59337
Ion Ratio	Lower	Upper
252	100	
253	25.6	21.2 31.8
125	18.6	16.4 24.6





#26
Benzo(a)pyrene
Concen: 2.313 ng/ul
RT: 23.815 min Scan# 4932
Delta R.T. -0.009 min
Lab File: BM040447.D
Acq: 29 Jun 2023 21:05

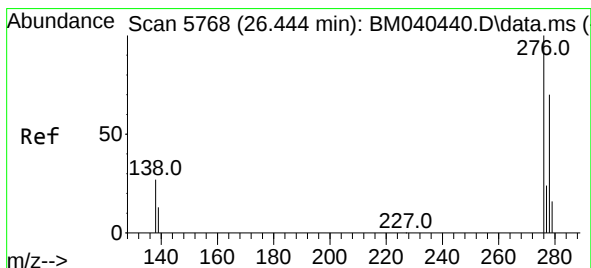
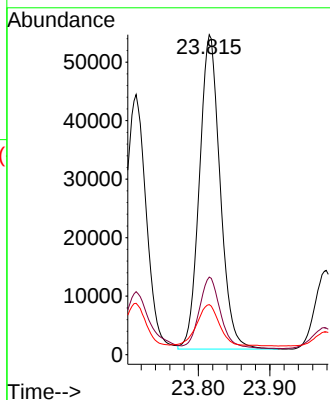
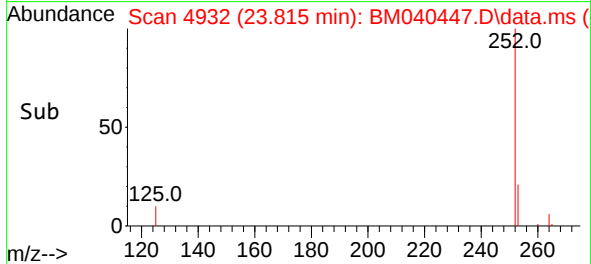
Instrument :
BNA_M
ClientSampleId :
DCFU8DL



Tgt Ion:252 Resp: 108329
Ion Ratio Lower Upper
252 100
253 24.2 22.9 34.3
125 15.7 21.0 31.4

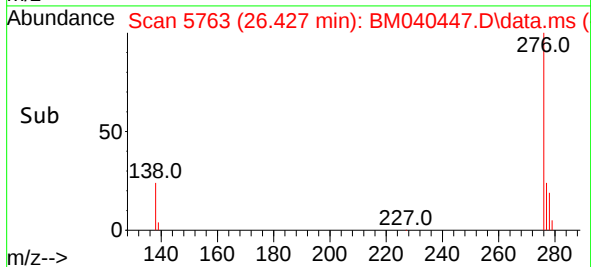
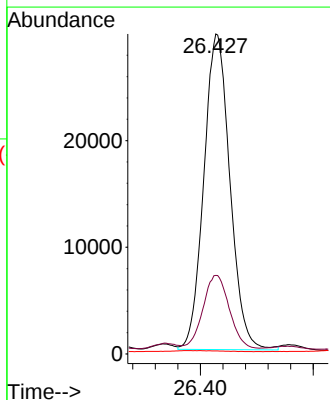
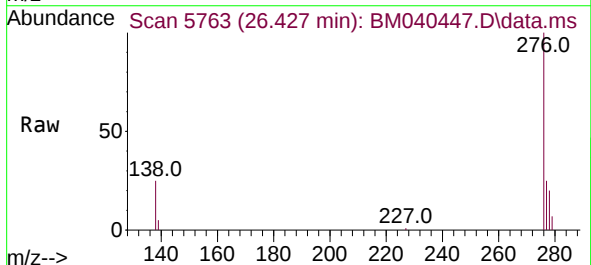
Manual Integrations
APPROVED

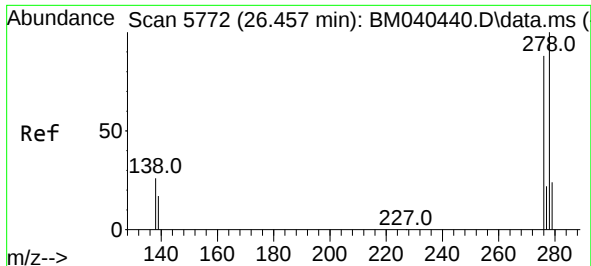
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.459 ng/ul
RT: 26.427 min Scan# 5763
Delta R.T. -0.007 min
Lab File: BM040447.D
Acq: 29 Jun 2023 21:05

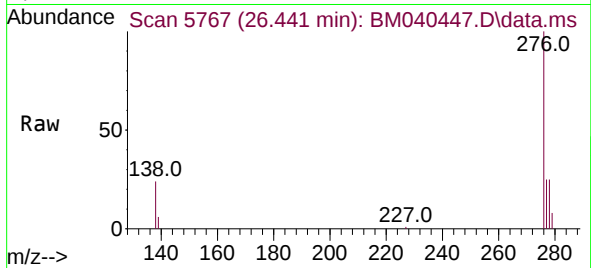
Tgt Ion:276 Resp: 95186
Ion Ratio Lower Upper
276 100
138 23.7 24.5 36.7#
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.438 ng/ul
RT: 26.441 min Scan# 51
Delta R.T. -0.013 min
Lab File: BM040447.D
Acq: 29 Jun 2023 21:05

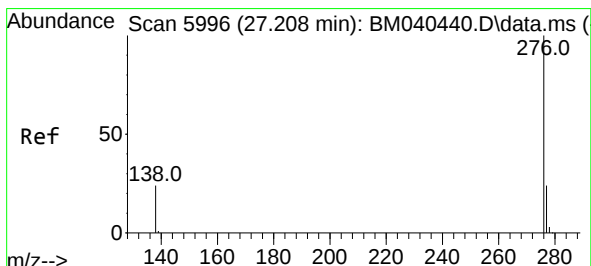
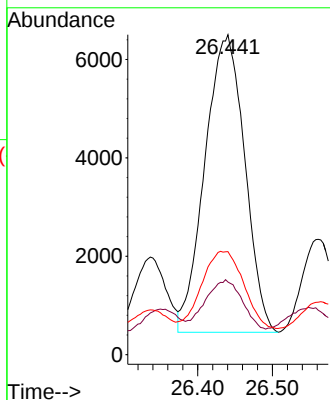
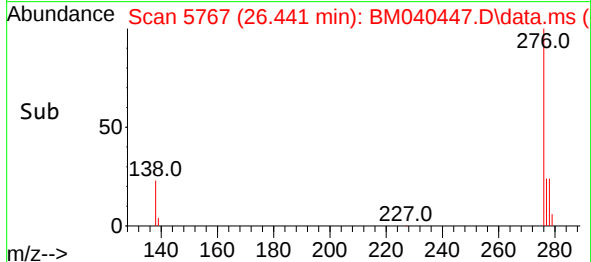
Instrument :
BNA_M
ClientSampleId :
DCFU8DL



Tgt Ion:278 Resp: 2236
Ion Ratio Lower Upper
278 100
139 22.7 17.9 26.9
279 32.2 22.0 33.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#29
Benzo(g,h,i)perylene
Concen: 1.516 ng/ul
RT: 27.202 min Scan# 5994
Delta R.T. -0.003 min
Lab File: BM040447.D
Acq: 29 Jun 2023 21:05

Tgt Ion:276 Resp: 86671
Ion Ratio Lower Upper
276 100
138 25.6 23.0 34.6
277 24.6 20.3 30.5

