

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062923\
 Data File : BM040449.D
 Acq On : 29 Jun 2023 22:20
 Operator : MA/JU
 Sample : 03161-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFU3

Manual Integrations
 APPROVED

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

Quant Time: Jun 30 03:07:47 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	7.940	152	6590	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.751	136	23669	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.582	164	11225	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.328	188	22661	0.400	ng/ul	0.00
17) Chrysene-d12	21.509	240	14019	0.400	ng/ul	0.00
23) Perylene-d12	23.923	264	13562	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	23387	2.259	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.340	152	5304	0.160	ng/ul	-0.01
18) Fluoranthene-d10	19.356	212	8489	0.189	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.800	128	1971	0.030	ng/ul#	76
7) 2-Methylnaphthalene	12.411	142	1106	0.029	ng/ul	93
8) 1-Methylnaphthalene	12.631	142	782	0.020	ng/ul	95
10) Acenaphthylene	14.304	152	1810	0.036	ng/ul#	78
15) Phenanthrene	17.370	178	13018	0.185	ng/ul	99
16) Anthracene	17.463	178	2596	0.044	ng/ul#	83
19) Fluoranthene	19.384	202	32785	0.551	ng/ul	98
20) Pyrene	19.747	202	26396m	0.413	ng/ul	
21) Benzo(a)anthracene	21.494	228	14017	0.296	ng/ul	94
22) Chrysene	21.547	228	19312	0.357	ng/ul	96
24) Benzo(b)fluoranthene	23.187	252	28879	0.550	ng/ul	93
25) Benzo(k)fluoranthene	23.230	252	10025m	0.194	ng/ul	
26) Benzo(a)pyrene	23.815	252	16946	0.358	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	26.427	276	17026	0.259	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.441	278	4079	0.079	ng/ul#	53
29) Benzo(g,h,i)perylene	27.202	276	16489	0.286	ng/ul	93

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

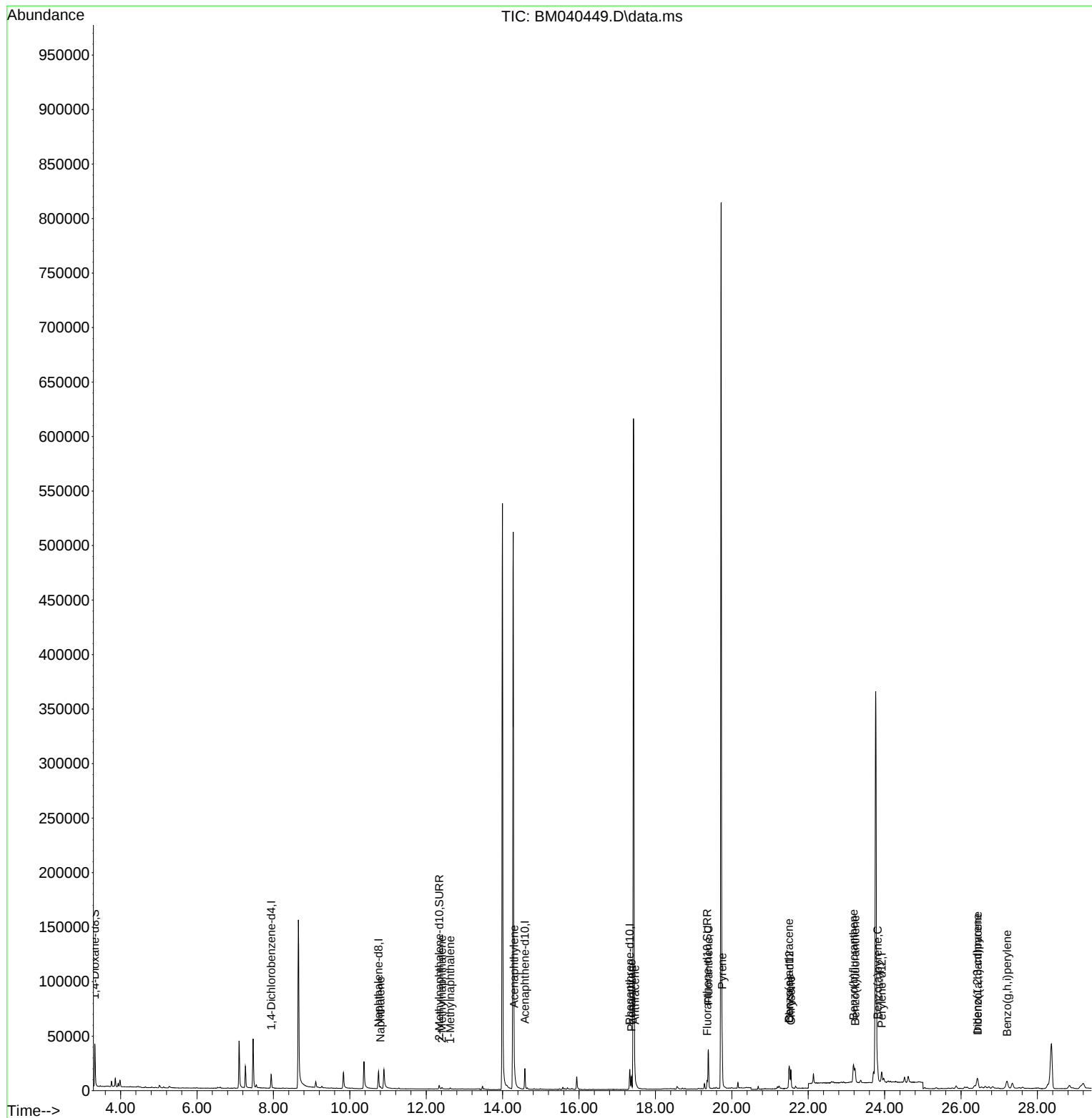
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062923\
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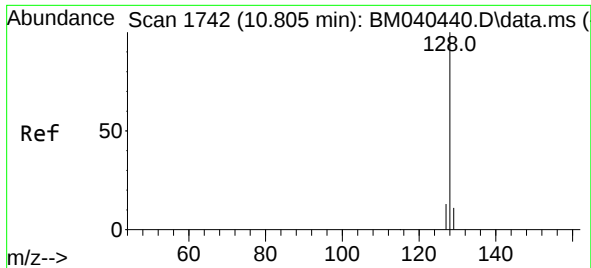
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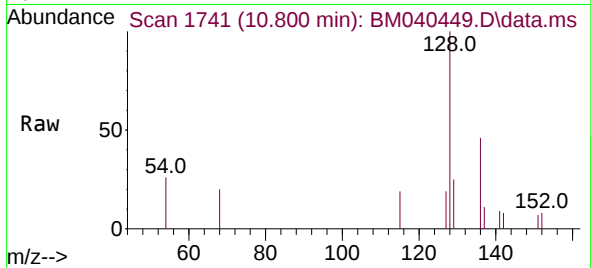
Quant Time: Jun 30 03:07:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 00:44:24 2023
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#5
Naphthalene
Concen: 0.030 ng/ul
RT: 10.800 min Scan# 1742
Delta R.T. -0.011 min
Lab File: BM040449.D
Acq: 29 Jun 2023 22:20

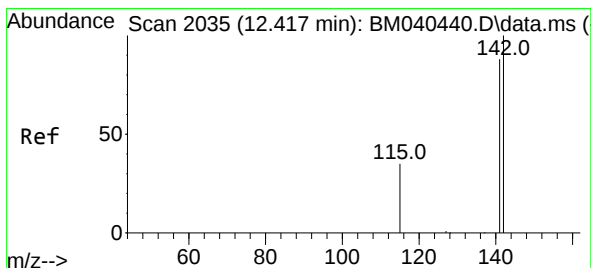
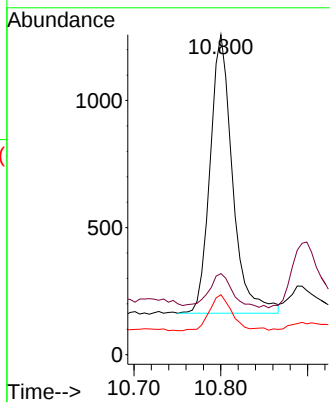
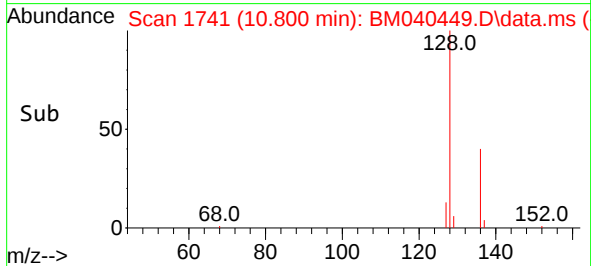
Instrument :
BNA_M
ClientSampleId :
DCFU3



Tgt Ion:128 Resp: 197
Ion Ratio Lower Upper
128 100
129 25.3 9.2 13.8
127 18.7 10.6 15.8

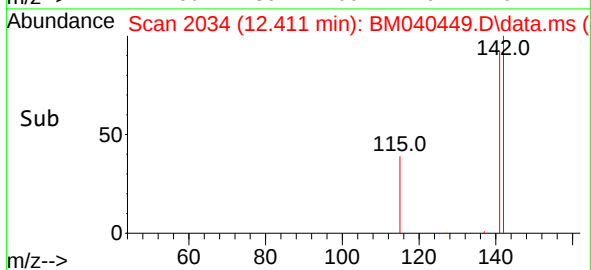
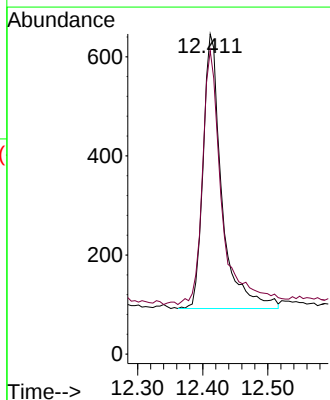
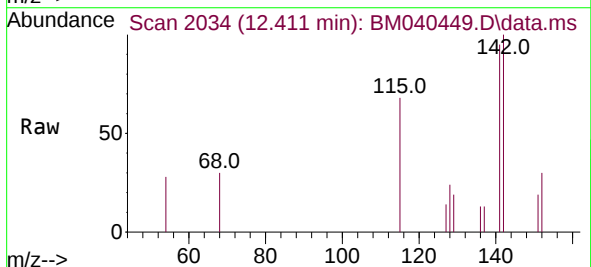
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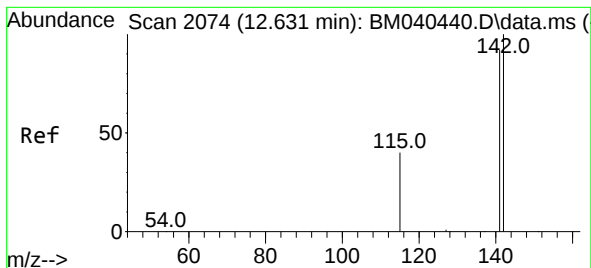
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#7
2-Methylnaphthalene
Concen: 0.029 ng/ul
RT: 12.411 min Scan# 2034
Delta R.T. -0.011 min
Lab File: BM040449.D
Acq: 29 Jun 2023 22:20

Tgt Ion:142 Resp: 1106
Ion Ratio Lower Upper
142 100
141 96.8 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.020 ng/ul

RT: 12.631 min Scan# 2074

Delta R.T. -0.011 min

Lab File: BM040449.D

Acq: 29 Jun 2023 22:20

Instrument :

BNA_M

ClientSampleId :

DCFU3

Tgt Ion:142 Resp: 78

Ion Ratio Lower Upper

142 100

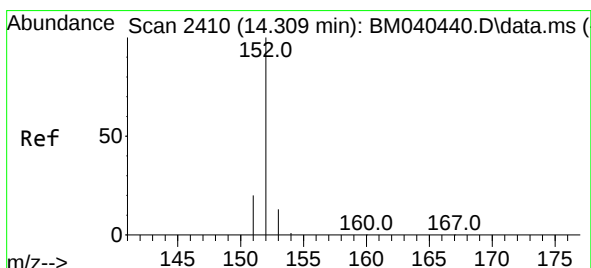
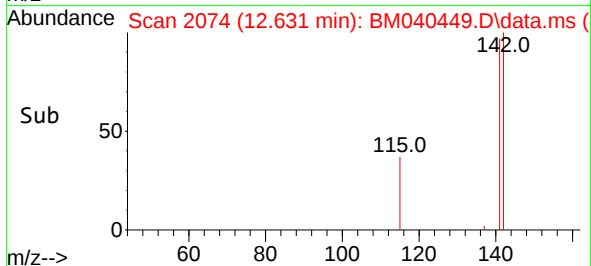
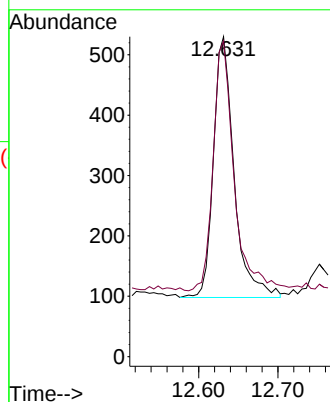
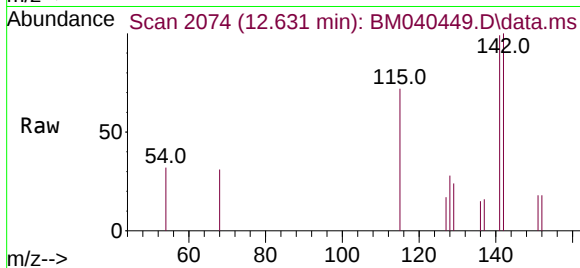
141 96.7 73.7 110.5

Manual Integrations

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Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#10

Acenaphthylene

Concen: 0.036 ng/ul

RT: 14.304 min Scan# 2409

Delta R.T. -0.009 min

Lab File: BM040449.D

Acq: 29 Jun 2023 22:20

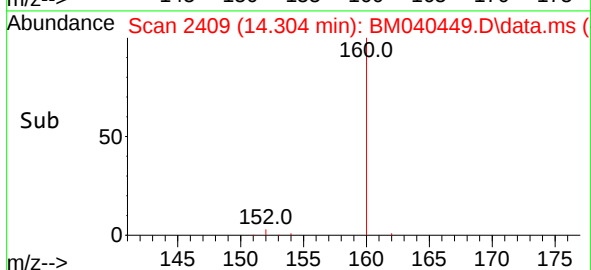
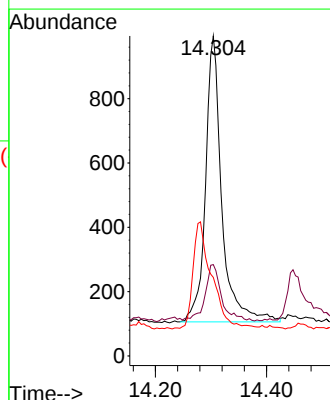
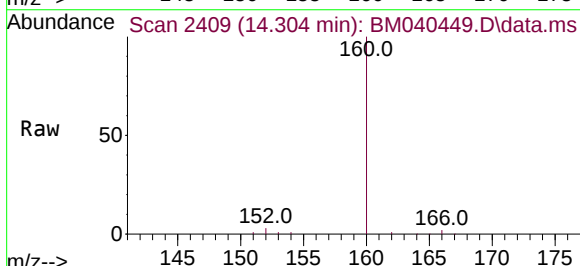
Tgt Ion:152 Resp: 1810

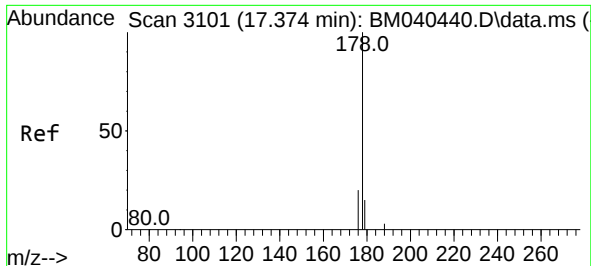
Ion Ratio Lower Upper

152 100

151 28.5 16.2 24.2#

153 24.5 10.9 16.3#





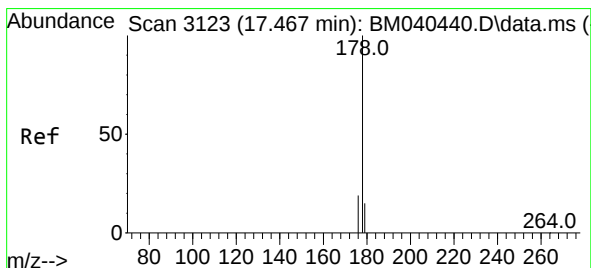
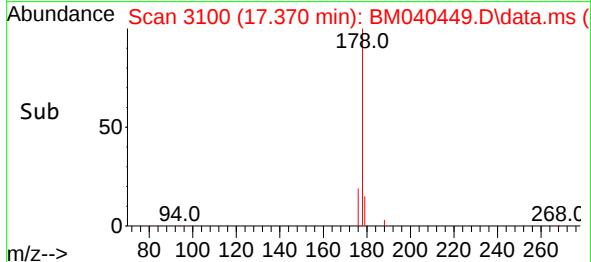
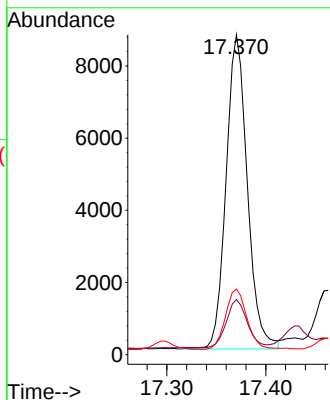
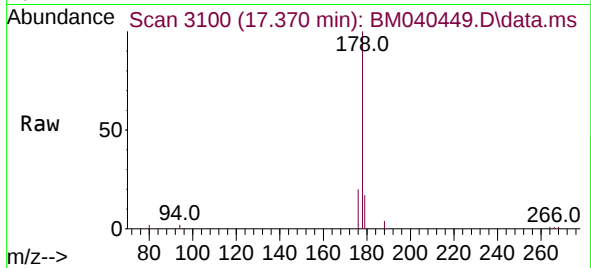
#15
Phenanthrene
Concen: 0.185 ng/ul
RT: 17.370 min Scan# 3101
Delta R.T. -0.008 min
Lab File: BM040449.D
Acq: 29 Jun 2023 22:20

Instrument :
BNA_M
ClientSampleId :
DCFU3

Tgt Ion:178 Resp: 13018
Ion Ratio Lower Upper
178 100
179 17.2 12.8 19.2
176 20.5 16.4 24.6

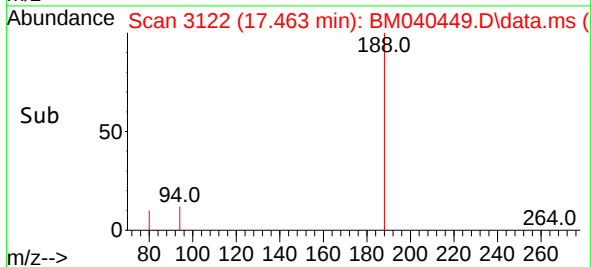
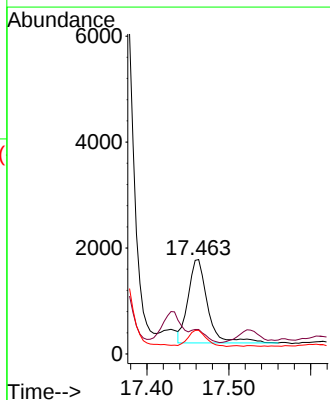
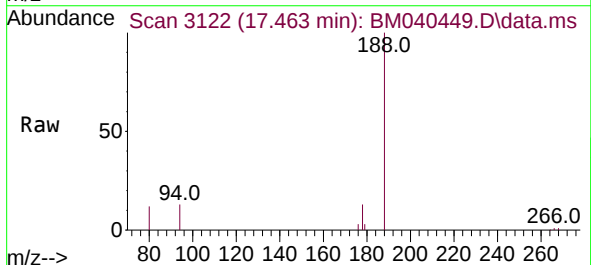
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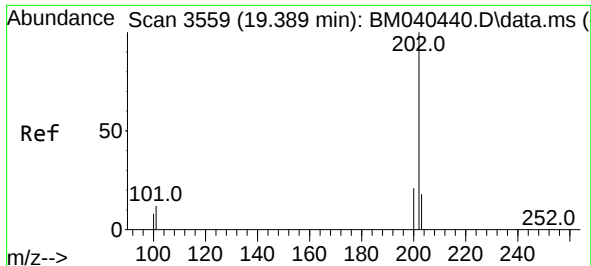
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#16
Anthracene
Concen: 0.044 ng/ul
RT: 17.463 min Scan# 3122
Delta R.T. -0.008 min
Lab File: BM040449.D
Acq: 29 Jun 2023 22:20

Tgt Ion:178 Resp: 2596
Ion Ratio Lower Upper
178 100
179 25.9 12.9 19.3#
176 25.0 15.8 23.6#





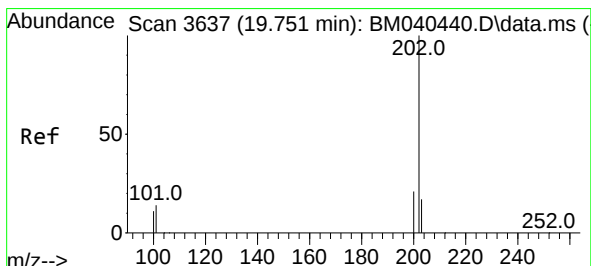
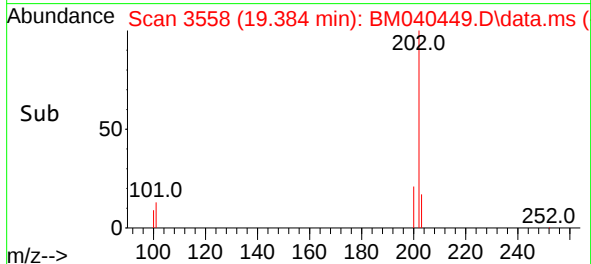
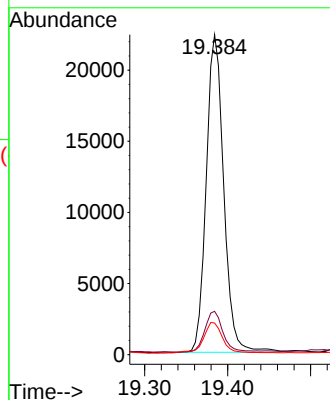
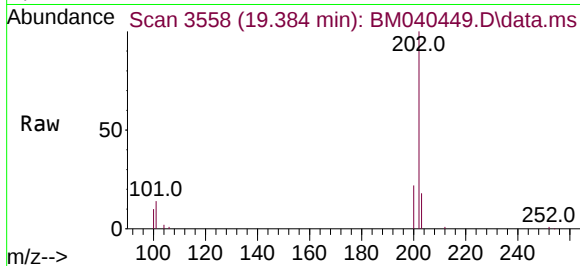
#19
Fluoranthene
Concen: 0.551 ng/ul
RT: 19.384 min Scan# 31
Delta R.T. -0.005 min
Lab File: BM040449.D
Acq: 29 Jun 2023 22:20

Instrument :
BNA_M
ClientSampleId :
DCFU3

Tgt Ion:202 Resp: 3278
Ion Ratio Lower Upper
202 100
101 13.5 11.4 17.0
100 9.9 8.7 13.1

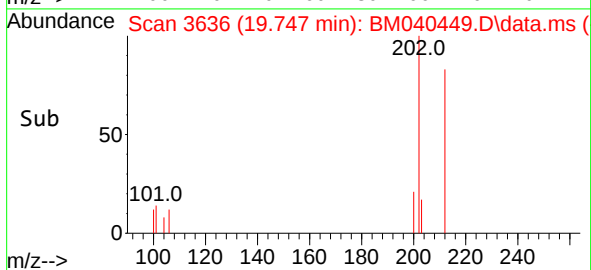
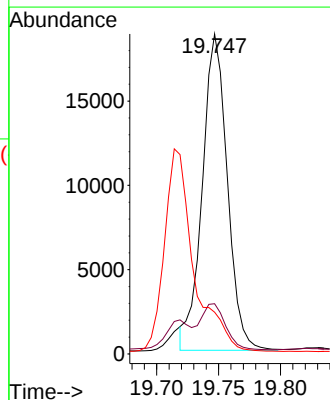
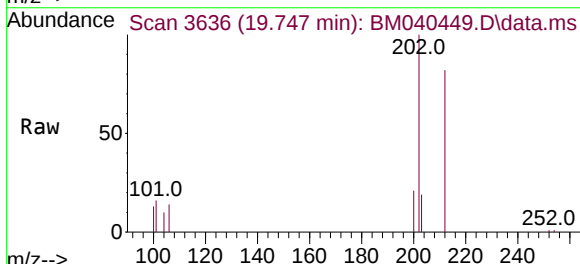
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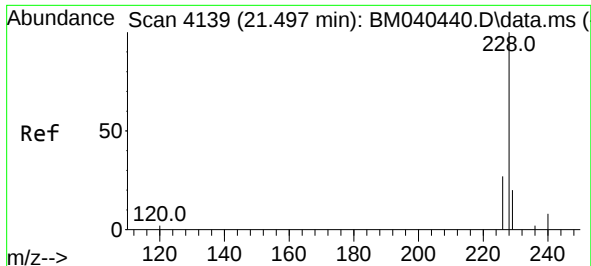
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#20
Pyrene
Concen: 0.413 ng/ul m
RT: 19.747 min Scan# 3636
Delta R.T. -0.009 min
Lab File: BM040449.D
Acq: 29 Jun 2023 22:20

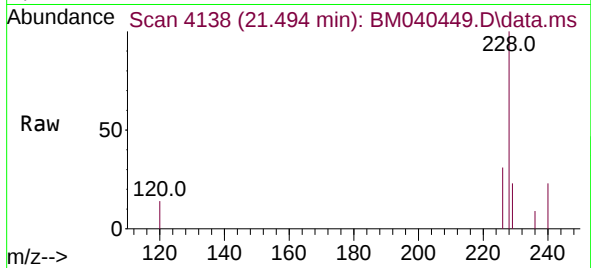
Tgt Ion:202 Resp: 26396
Ion Ratio Lower Upper
202 100
101 15.7 12.6 18.8
100 13.1 9.8 14.6





#21
Benzo(a)anthracene
Concen: 0.296 ng/u1
RT: 21.494 min Scan# 4139
Delta R.T. -0.006 min
Lab File: BM040449.D
Acq: 29 Jun 2023 22:20

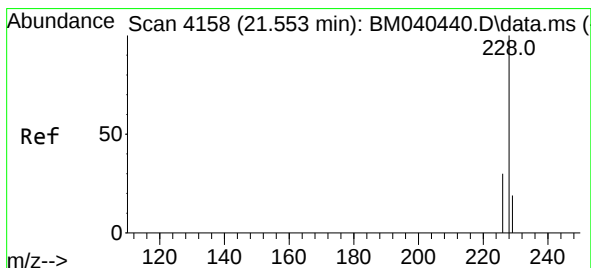
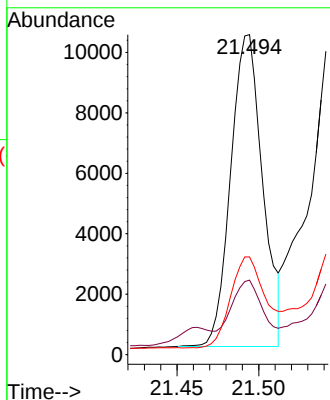
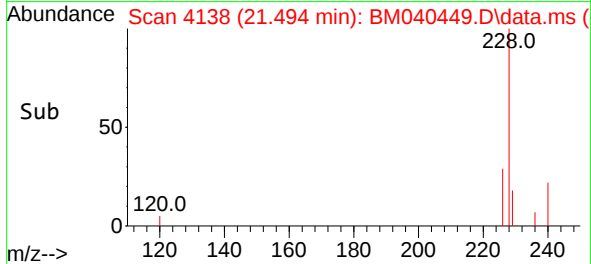
Instrument :
BNA_M
ClientSampleId :
DCFU3



Tgt Ion:228 Resp: 1401
Ion Ratio Lower Upper
228 100
229 23.3 16.0 24.0
226 30.5 22.3 33.5

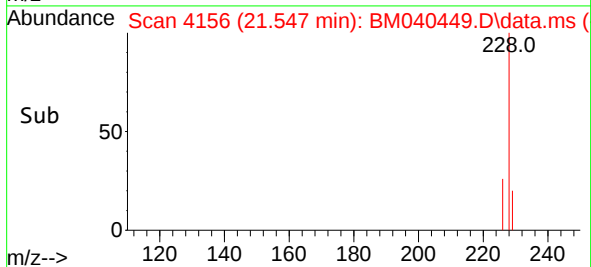
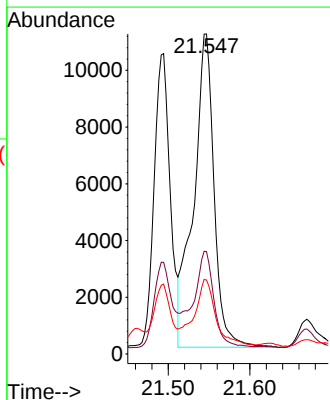
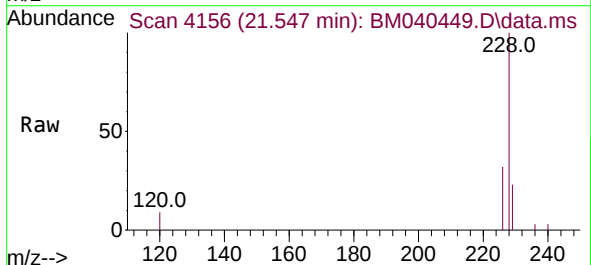
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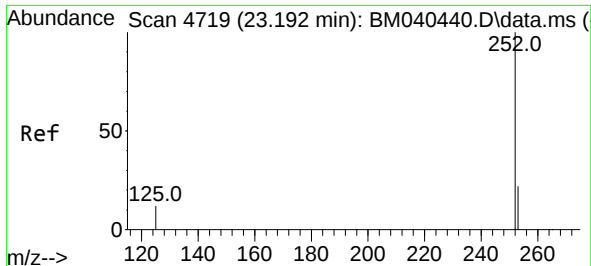
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#22
Chrysene
Concen: 0.357 ng/u1
RT: 21.547 min Scan# 4156
Delta R.T. -0.006 min
Lab File: BM040449.D
Acq: 29 Jun 2023 22:20

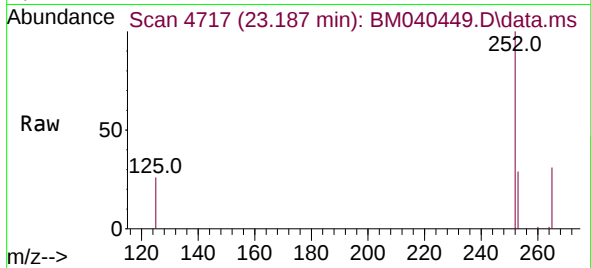
Tgt Ion:228 Resp: 19312
Ion Ratio Lower Upper
228 100
226 32.0 24.9 37.3
229 23.1 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 0.550 ng/ul
RT: 23.187 min Scan# 4717
Delta R.T. -0.006 min
Lab File: BM040449.D
Acq: 29 Jun 2023 22:20

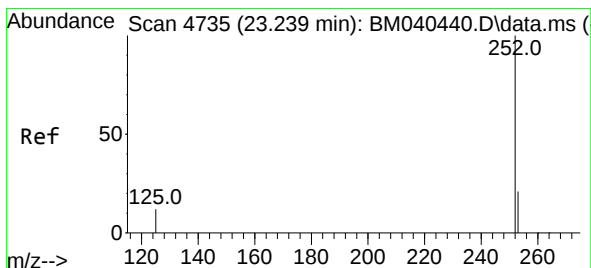
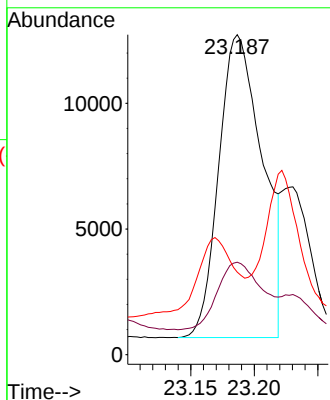
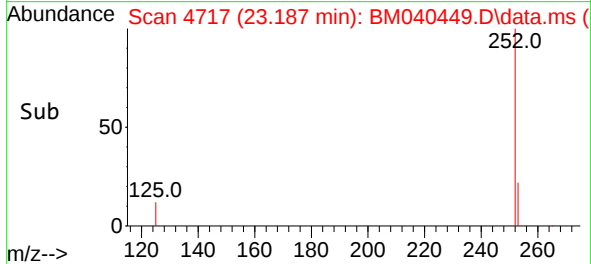
Instrument :
BNA_M
ClientSampleId :
DCFU3



Tgt Ion:252 Resp: 28879
Ion Ratio Lower Upper
252 100
253 28.9 0.0 52.8
125 25.8 0.0 43.0

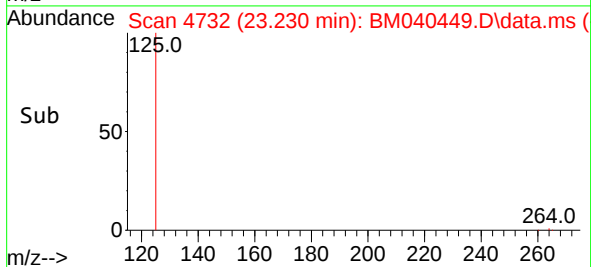
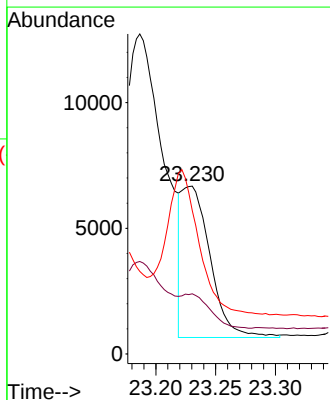
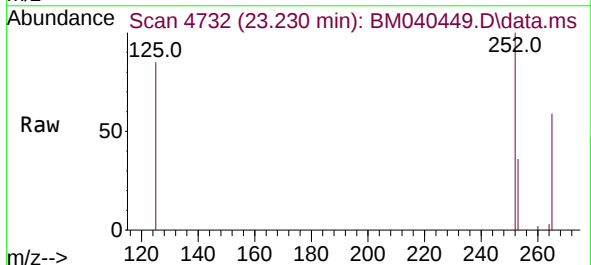
Manual Integrations
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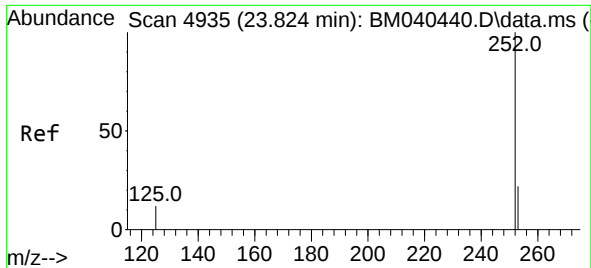
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#25
Benzo(k)fluoranthene
Concen: 0.194 ng/ul m
RT: 23.230 min Scan# 4732
Delta R.T. -0.012 min
Lab File: BM040449.D
Acq: 29 Jun 2023 22:20

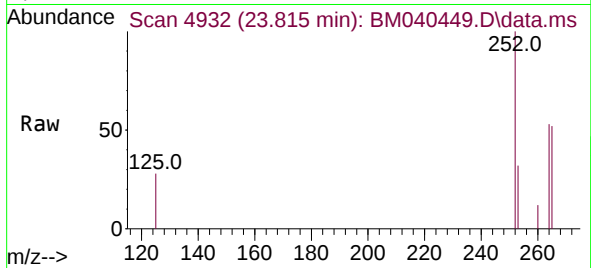
Tgt Ion:252 Resp: 10025
Ion Ratio Lower Upper
252 100
253 35.9 21.2 31.8#
125 85.4 16.4 24.6#





#26
Benzo(a)pyrene
Concen: 0.358 ng/ul
RT: 23.815 min Scan# 4932
Delta R.T. -0.009 min
Lab File: BM040449.D
Acq: 29 Jun 2023 22:20

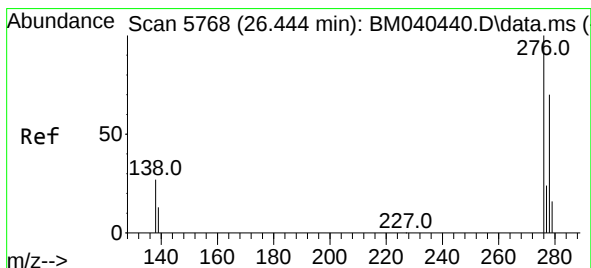
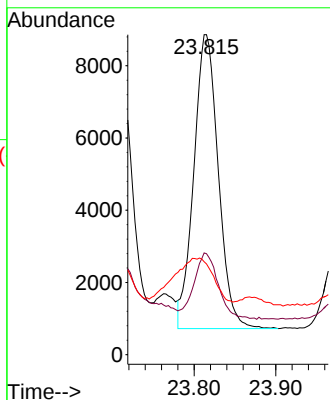
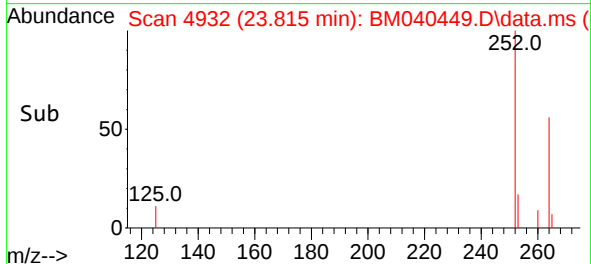
Instrument :
BNA_M
ClientSampleId :
DCFU3



Tgt Ion:252 Resp: 16940
Ion Ratio Lower Upper
252 100
253 31.6 22.9 34.3
125 28.3 21.0 31.4

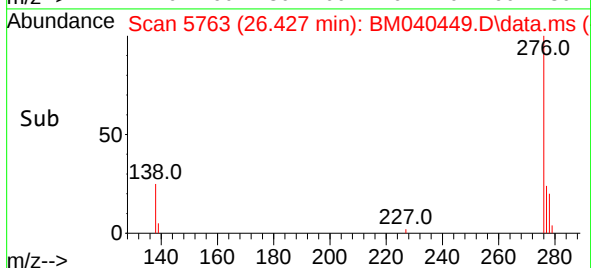
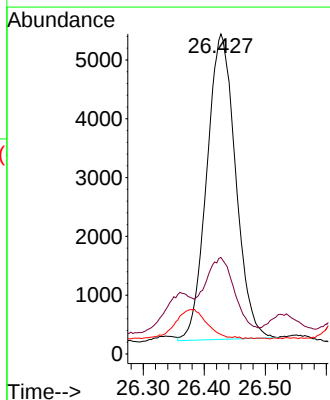
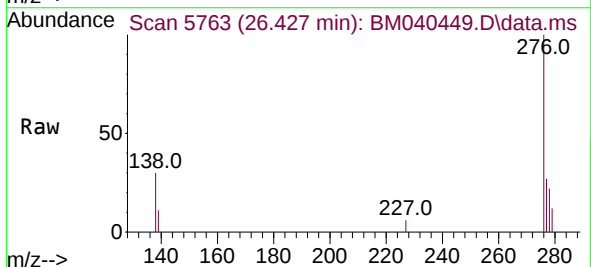
Manual Integrations
APPROVED

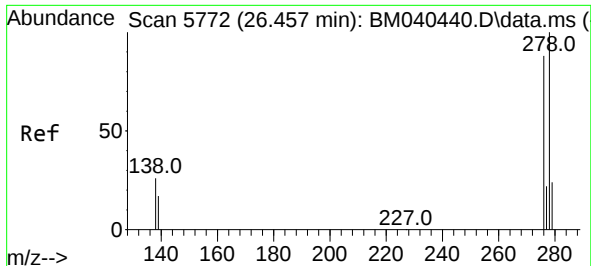
Reviewed By :Yogesh Patel 06/30/2023
Supervised By :mohammad ahmed 06/30/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.259 ng/ul
RT: 26.427 min Scan# 5763
Delta R.T. -0.007 min
Lab File: BM040449.D
Acq: 29 Jun 2023 22:20

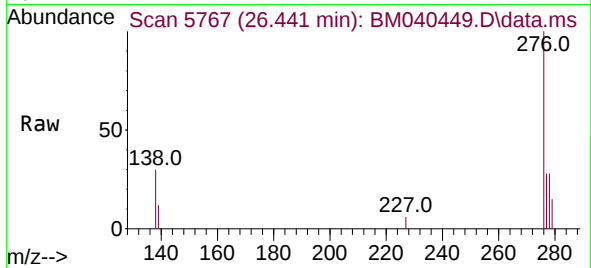
Tgt Ion:276 Resp: 17026
Ion Ratio Lower Upper
276 100
138 22.2 24.5 36.7#
227 0.0 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.079 ng/ul
RT: 26.441 min Scan# 51
Delta R.T. -0.013 min
Lab File: BM040449.D
Acq: 29 Jun 2023 22:20

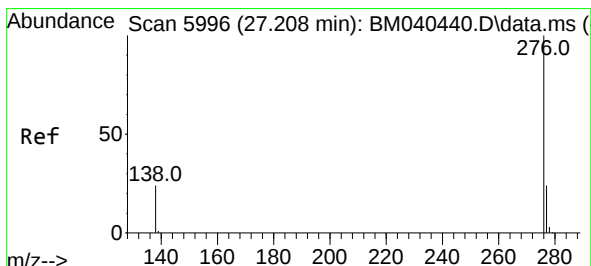
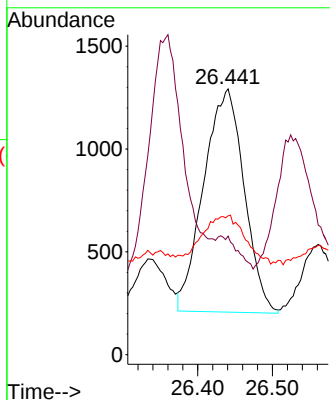
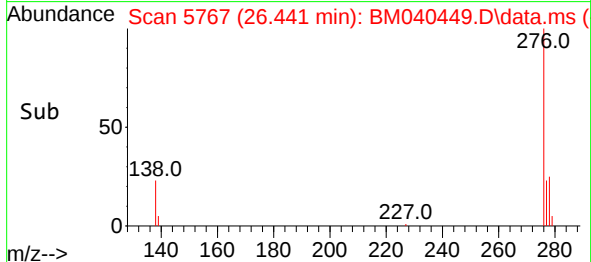
Instrument :
BNA_M
ClientSampleId :
DCFU3



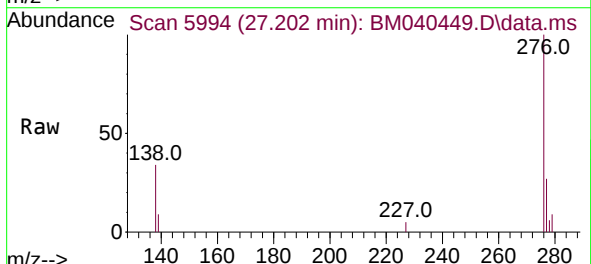
Tgt Ion:278 Resp: 4079
Ion Ratio Lower Upper
278 100
139 44.6 17.9 26.9
279 52.2 22.0 33.0

Manual Integrations
APPROVED

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



#29
Benzo(g,h,i)perylene
Concen: 0.286 ng/ul
RT: 27.202 min Scan# 5994
Delta R.T. -0.003 min
Lab File: BM040449.D
Acq: 29 Jun 2023 22:20



Tgt Ion:276 Resp: 16489
Ion Ratio Lower Upper
276 100
138 33.8 23.0 34.6
277 27.2 20.3 30.5

