

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062323\
 Data File : BM040380.D
 Acq On : 23 Jun 2023 17:57
 Operator : MA/JU
 Sample : 03084-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCFM3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/24/2023
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 24 01:37:54 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	7.949	152	7416	0.400	ng/ul	0.00
4) Naphthalene-d8	10.756	136	26336	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.586	164	12903	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.332	188	26028	0.400	ng/ul	0.00
17) Chrysene-d12	21.515	240	18412	0.400	ng/ul	0.00
23) Perylene-d12	23.926	264	15841	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	14488	1.244	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.345	152	5557	0.151	ng/ul	0.00
18) Fluoranthene-d10	19.361	212	9810	0.166	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.811	128	3459	0.048	ng/ul#	89
7) 2-Methylnaphthalene	12.422	142	1689	0.040	ng/ul	97
8) 1-Methylnaphthalene	12.637	142	1296	0.030	ng/ul	97
10) Acenaphthylene	14.309	152	1998	0.035	ng/ul#	82
14) Pentachlorophenol	16.995	266	391	0.078	ng/ul#	79
15) Phenanthrene	17.375	178	9521	0.118	ng/ul	97
16) Anthracene	17.467	178	2210	0.033	ng/ul#	80
19) Fluoranthene	19.389	202	21926	0.280	ng/ul	99
20) Pyrene	19.751	202	18039m	0.215	ng/ul	
21) Benzo(a)anthracene	21.497	228	10385	0.167	ng/ul	96
22) Chrysene	21.550	228	14695	0.207	ng/ul	97
24) Benzo(b)fluoranthene	23.192	252	20769	0.339	ng/ul#	51
25) Benzo(k)fluoranthene	23.236	252	8728m	0.144	ng/ul	
26) Benzo(a)pyrene	23.821	252	10450	0.189	ng/ul#	65
27) Indeno(1,2,3-cd)pyrene	26.434	276	10370	0.135	ng/ul#	44
28) Dibenzo(a,h)anthracene	26.451	278	3404	0.057	ng/ul#	55
29) Benzo(g,h,i)perylene	27.202	276	10505	0.156	ng/ul	94

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

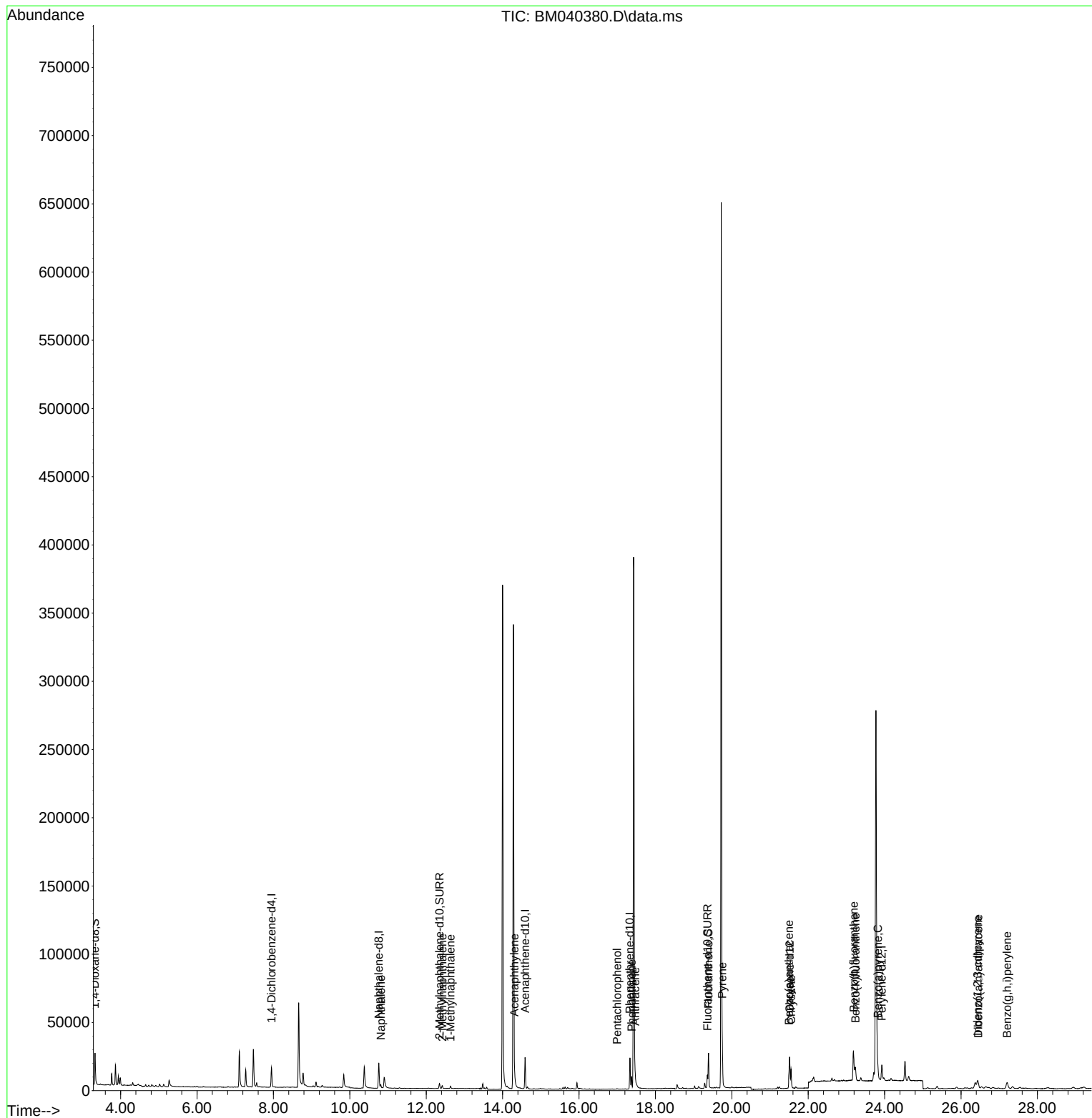
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062323\
Data File : BM040380.D
Acq On : 23 Jun 2023 17:57
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ALS Vial : 8 Sample Multiplier: 1

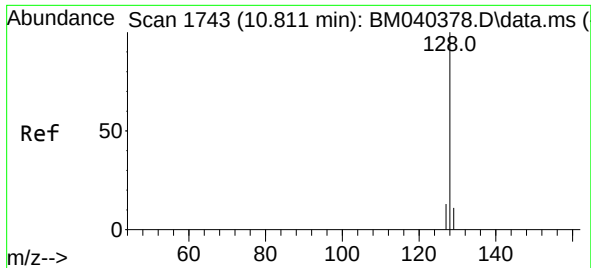
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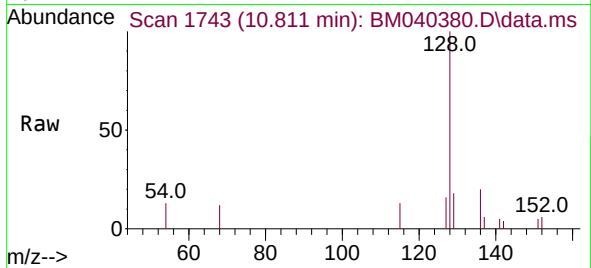
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 00:44:24 2023
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#5
Naphthalene
Concen: 0.048 ng/ul
RT: 10.811 min Scan# 1743
Delta R.T. 0.000 min
Lab File: BM040380.D
Acq: 23 Jun 2023 17:57

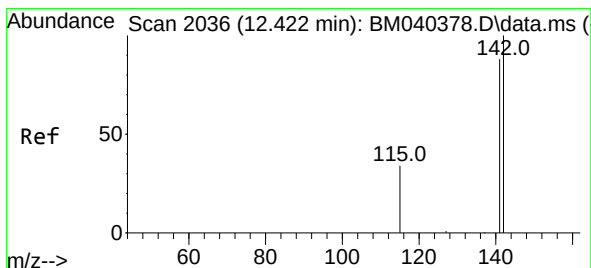
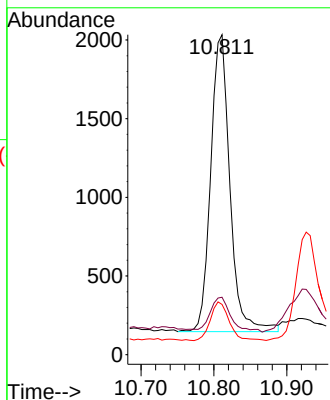
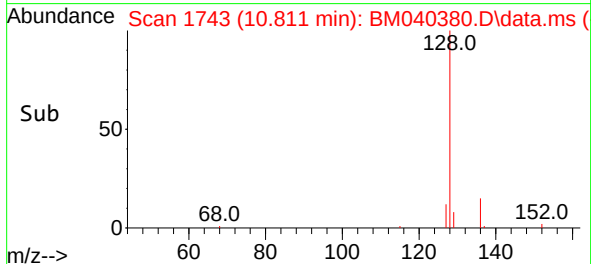
Instrument :
BNA_M
ClientSampleId :
DCFM3



Tgt Ion:128 Resp: 3459
Ion Ratio Lower Upper
128 100
129 17.9 9.2 13.8
127 15.7 10.6 15.8

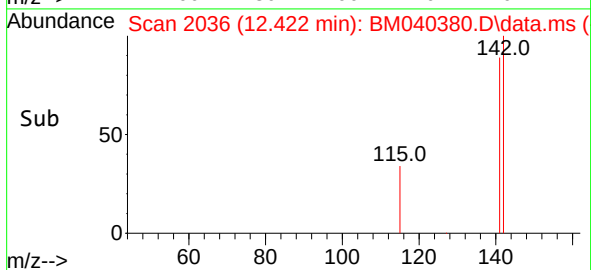
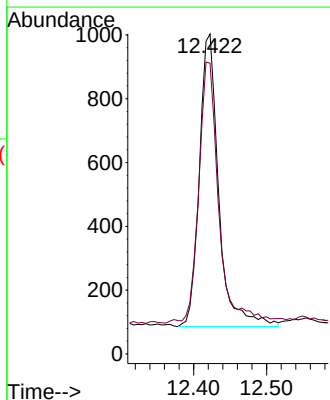
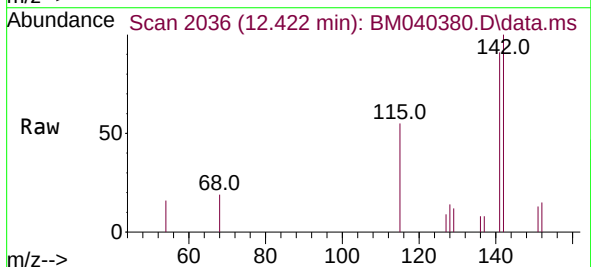
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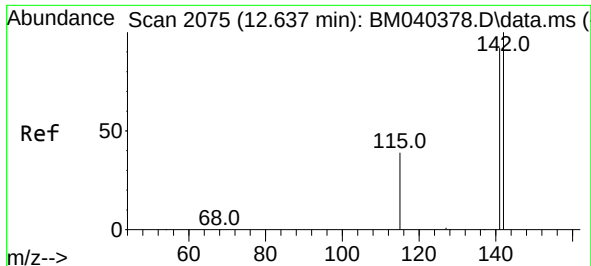
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023



#7
2-Methylnaphthalene
Concen: 0.040 ng/ul
RT: 12.422 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BM040380.D
Acq: 23 Jun 2023 17:57

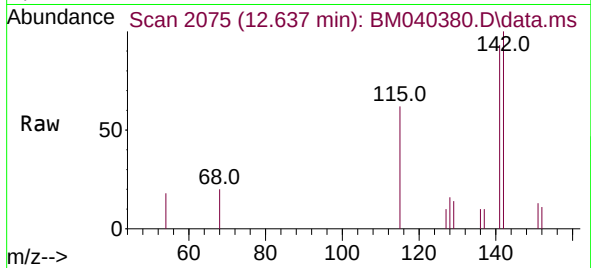
Tgt Ion:142 Resp: 1689
Ion Ratio Lower Upper
142 100
141 93.0 71.9 107.9





#8
1-Methylnaphthalene
Concen: 0.030 ng/ul
RT: 12.637 min Scan# 2075
Delta R.T. -0.005 min
Lab File: BM040380.D
Acq: 23 Jun 2023 17:57

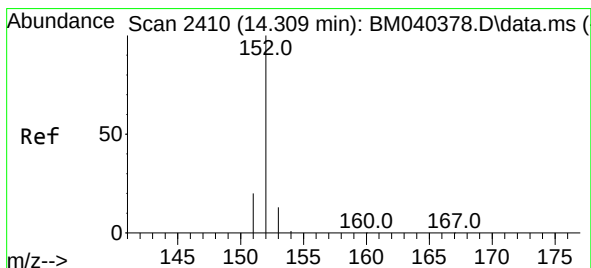
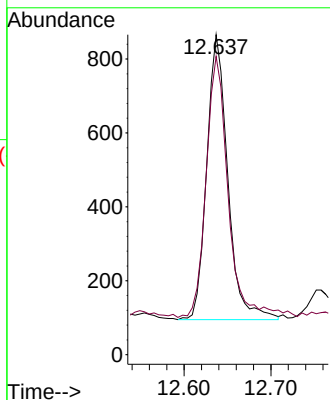
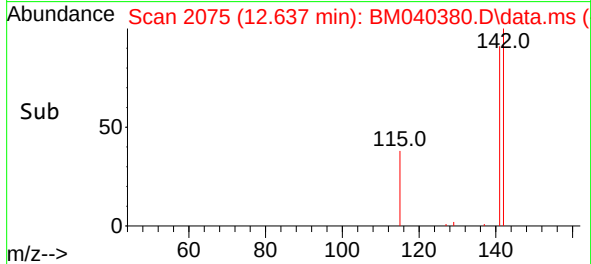
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Tgt Ion:142 Resp: 1290
Ion Ratio Lower Upper
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141 95.3 73.7 110.5

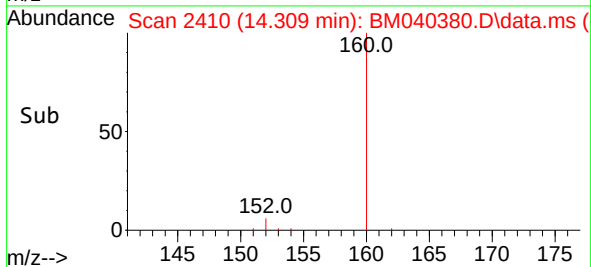
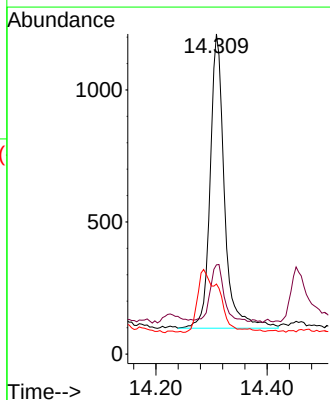
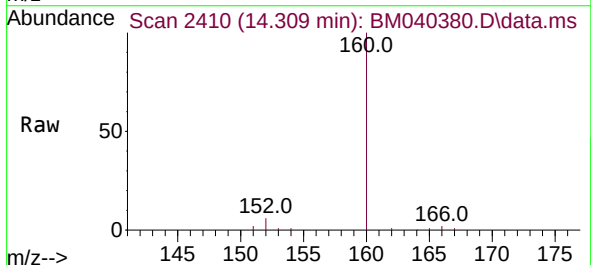
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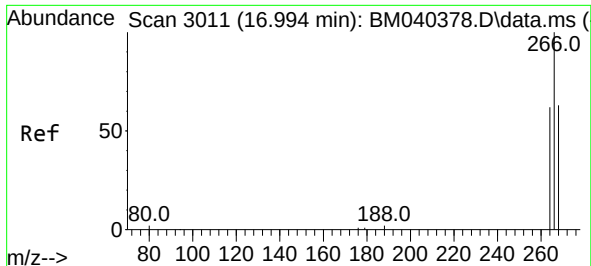
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023



#10
Acenaphthylene
Concen: 0.035 ng/ul
RT: 14.309 min Scan# 2410
Delta R.T. -0.005 min
Lab File: BM040380.D
Acq: 23 Jun 2023 17:57

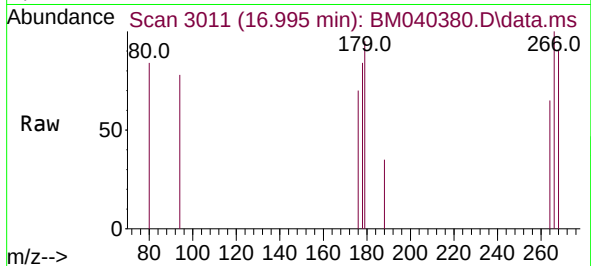
Tgt Ion:152 Resp: 1998
Ion Ratio Lower Upper
152 100
151 27.9 16.2 24.2#
153 21.9 10.9 16.3#





#14
Pentachlorophenol
Concen: 0.078 ng/ul
RT: 16.995 min Scan# 3011
Delta R.T. -0.017 min
Lab File: BM040380.D
Acq: 23 Jun 2023 17:57

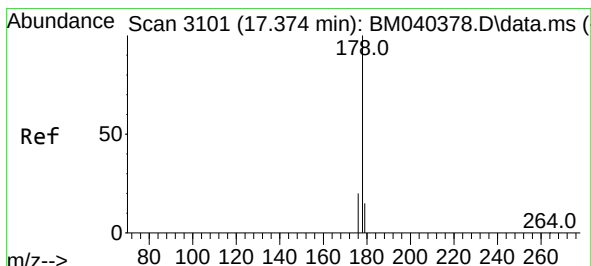
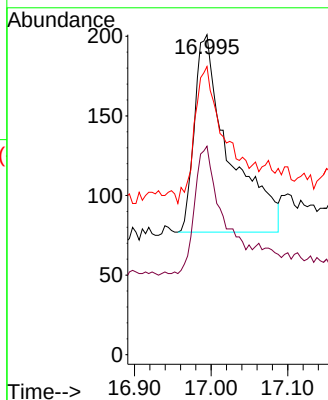
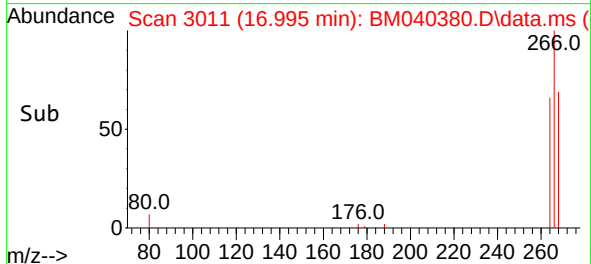
Instrument :
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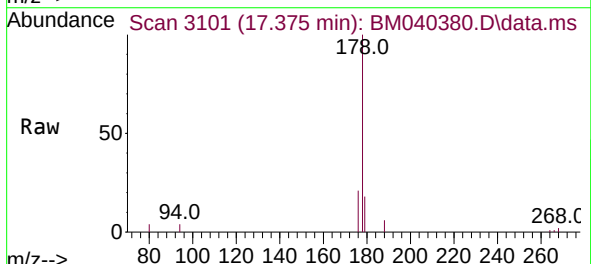
Tgt Ion:266 Resp: 391
Ion Ratio Lower Upper
266 100
264 66.8 45.4 68.0
268 80.1 47.2 70.8

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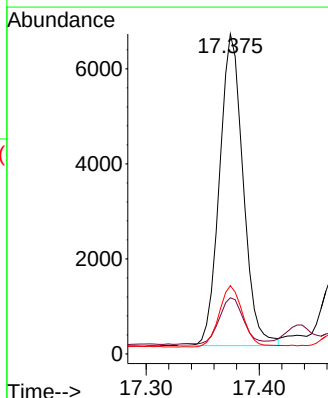
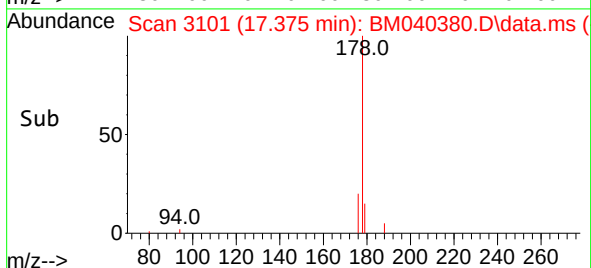
Reviewed By :Yogesh Patel 06/24/2023
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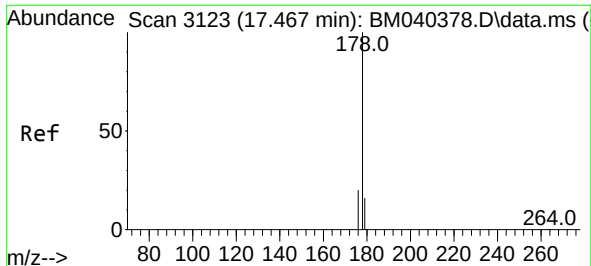


#15
Phenanthrene
Concen: 0.118 ng/ul
RT: 17.375 min Scan# 3101
Delta R.T. -0.004 min
Lab File: BM040380.D
Acq: 23 Jun 2023 17:57



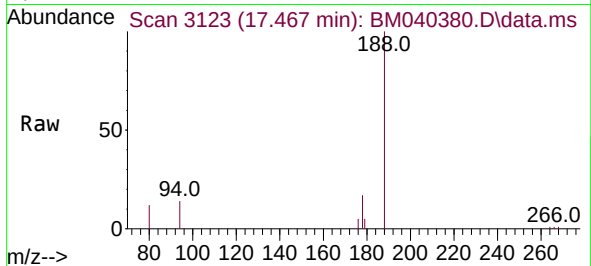
Tgt Ion:178 Resp: 9521
Ion Ratio Lower Upper
178 100
179 17.6 12.8 19.2
176 21.4 16.4 24.6





#16
 Anthracene
 Concen: 0.033 ng/u1
 RT: 17.467 min Scan# 3123
 Delta R.T. -0.004 min
 Lab File: BM040380.D
 Acq: 23 Jun 2023 17:57

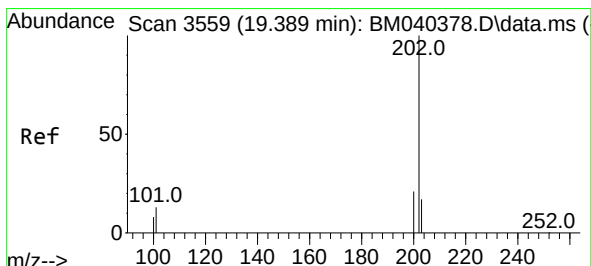
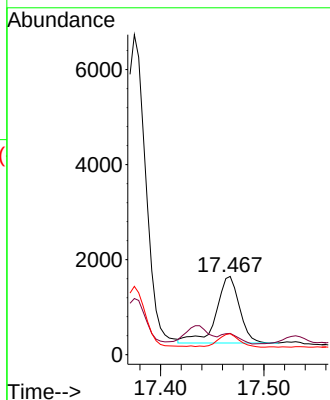
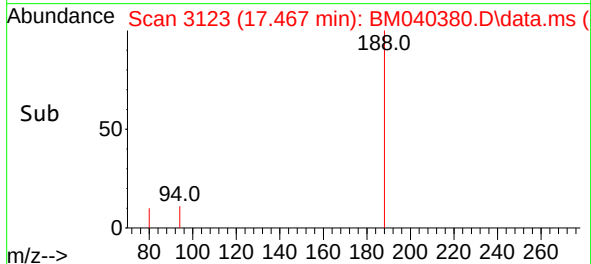
Instrument :
 BNA_M
 ClientSampleId :
 DCFM3



Tgt Ion:178 Resp: 2210
 Ion Ratio Lower Upper
 178 100
 179 27.2 12.9 19.3
 176 26.8 15.8 23.6

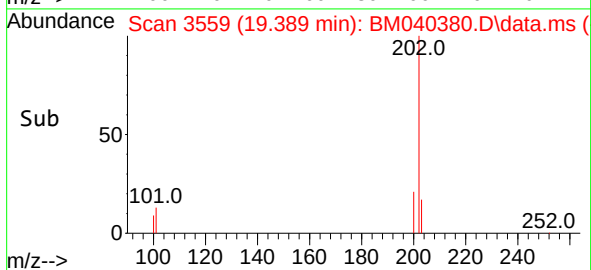
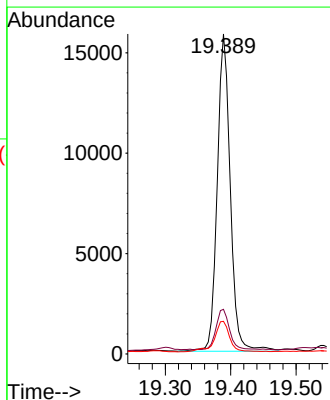
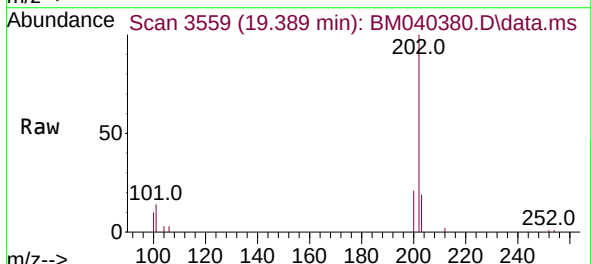
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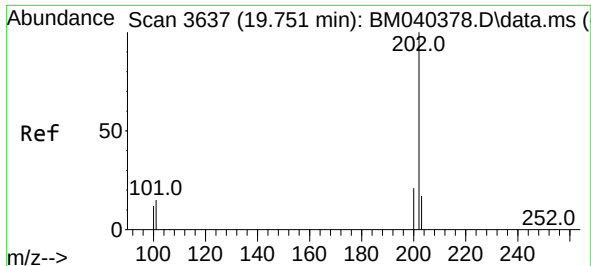
Reviewed By :Yogesh Patel 06/24/2023
 Supervised By :mohammad ahmed 06/27/2023



#19
 Fluoranthene
 Concen: 0.280 ng/u1
 RT: 19.389 min Scan# 3559
 Delta R.T. 0.000 min
 Lab File: BM040380.D
 Acq: 23 Jun 2023 17:57

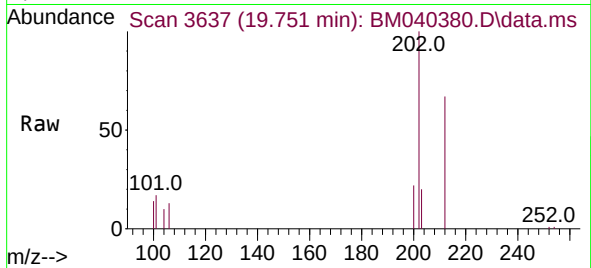
Tgt Ion:202 Resp: 21926
 Ion Ratio Lower Upper
 202 100
 101 13.9 11.4 17.0
 100 10.2 8.7 13.1





#20
Pyrene
Concen: 0.215 ng/ul m
RT: 19.751 min Scan# 3637
Delta R.T. -0.005 min
Lab File: BM040380.D
Acq: 23 Jun 2023 17:57

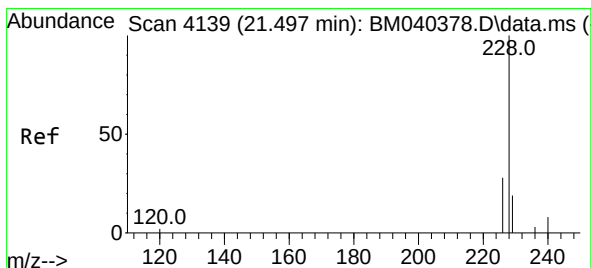
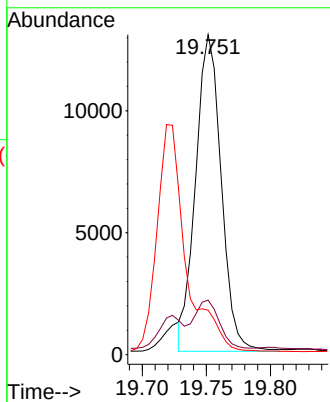
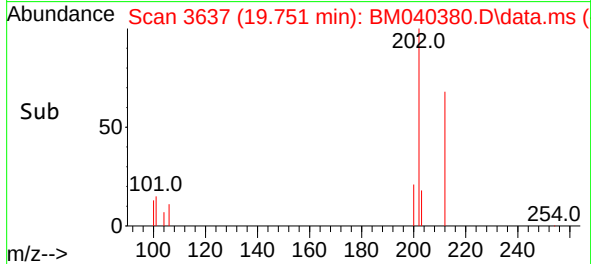
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Tgt Ion:202 Resp: 18039
Ion Ratio Lower Upper
202 100
101 17.1 12.6 18.8
100 13.9 9.8 14.6

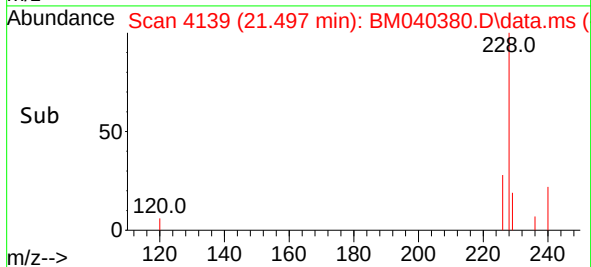
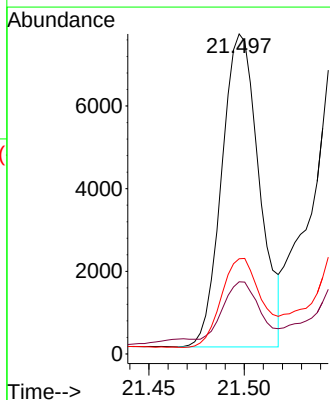
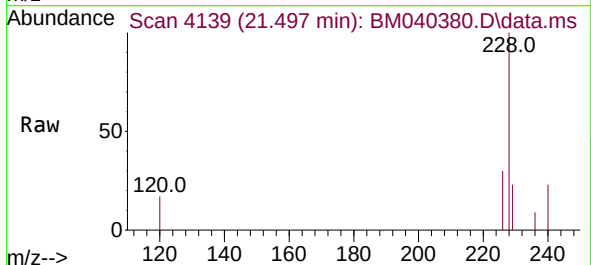
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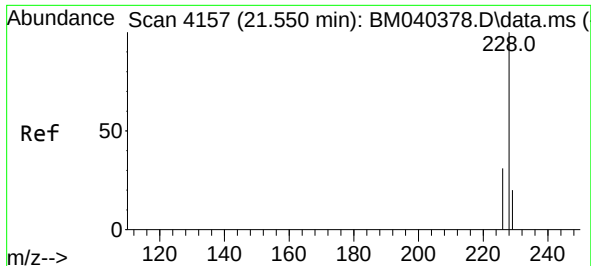
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023



#21
Benzo(a)anthracene
Concen: 0.167 ng/ul
RT: 21.497 min Scan# 4139
Delta R.T. -0.003 min
Lab File: BM040380.D
Acq: 23 Jun 2023 17:57

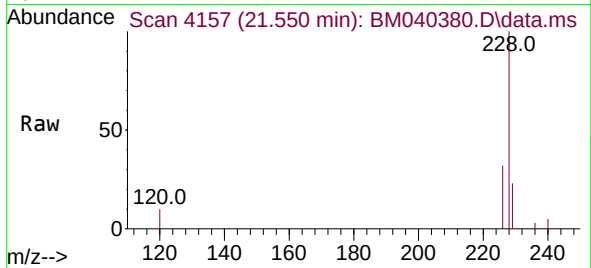
Tgt Ion:228 Resp: 10385
Ion Ratio Lower Upper
228 100
229 22.6 16.0 24.0
226 29.8 22.3 33.5





#22
Chrysene
Concen: 0.207 ng/ul
RT: 21.550 min Scan# 4157
Delta R.T. -0.003 min
Lab File: BM040380.D
Acq: 23 Jun 2023 17:57

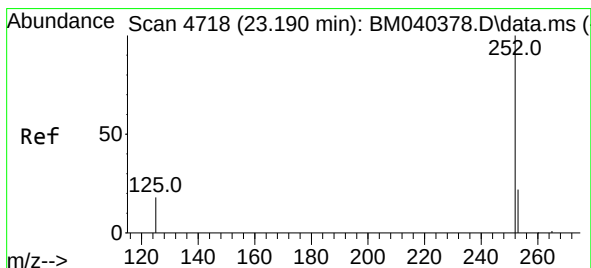
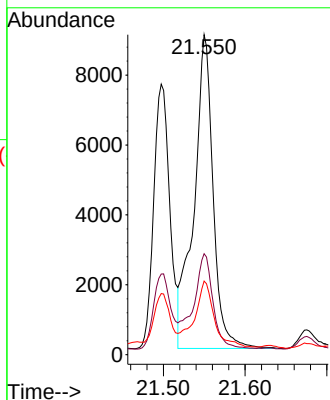
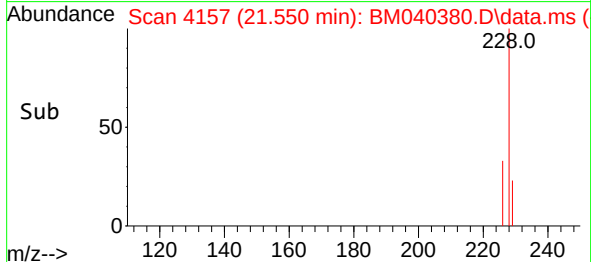
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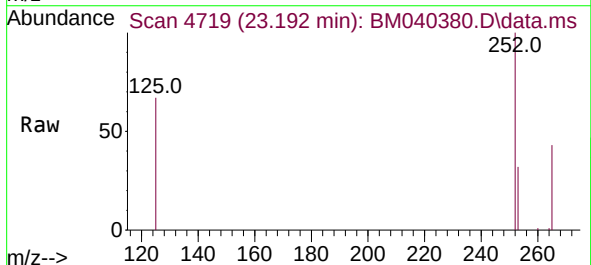
Tgt Ion:228 Resp: 1469
Ion Ratio Lower Upper
228 100
226 31.5 24.9 37.3
229 23.0 15.8 23.6

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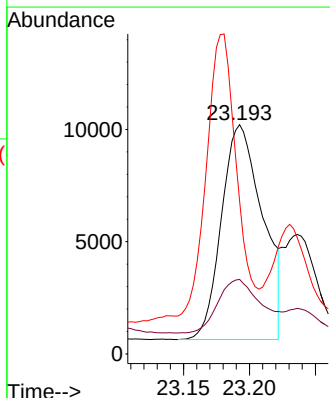
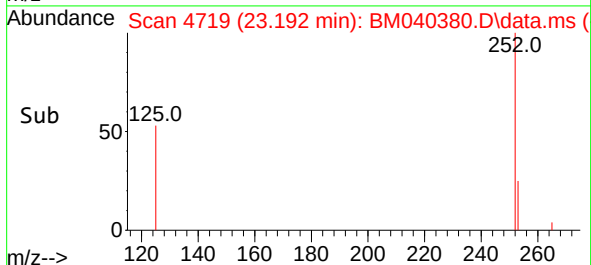
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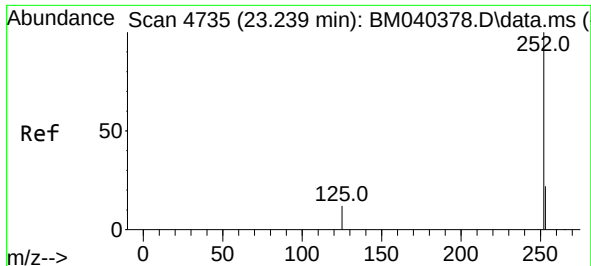


#24
Benzo(b)fluoranthene
Concen: 0.339 ng/ul
RT: 23.192 min Scan# 4719
Delta R.T. 0.000 min
Lab File: BM040380.D
Acq: 23 Jun 2023 17:57



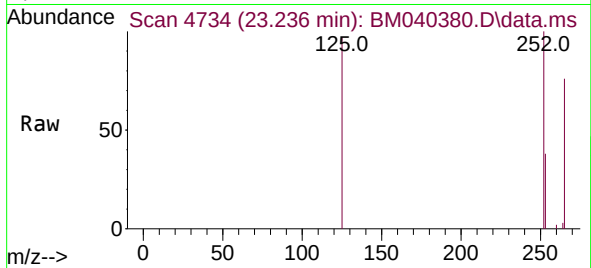
Tgt Ion:252 Resp: 20769
Ion Ratio Lower Upper
252 100
253 32.5 0.0 52.8
125 66.6 0.0 43.0#





#25
Benzo(k)fluoranthene
Concen: 0.144 ng/ul m
RT: 23.236 min Scan# 4734
Delta R.T. -0.006 min
Lab File: BM040380.D
Acq: 23 Jun 2023 17:57

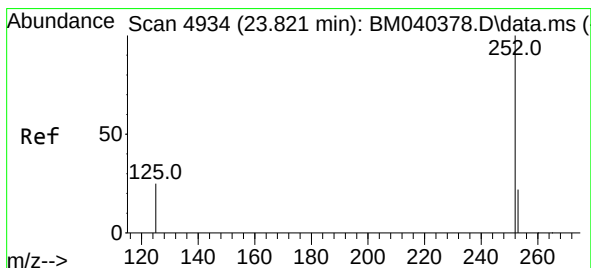
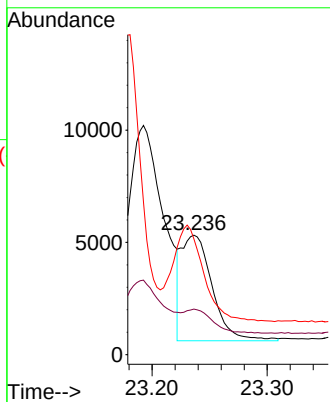
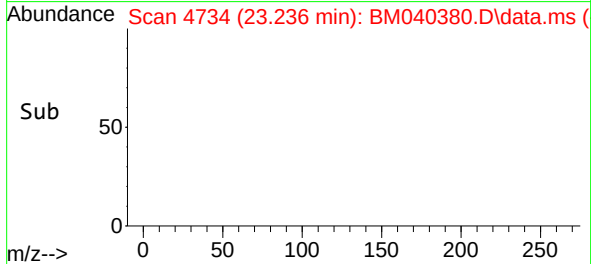
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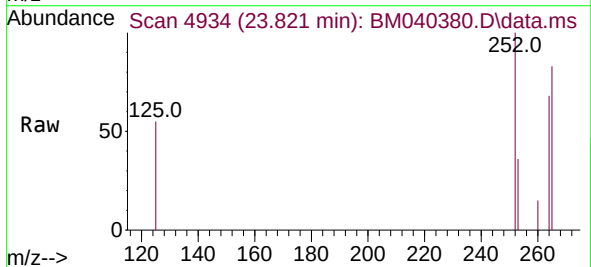
Tgt Ion:252 Resp: 8728
Ion Ratio Lower Upper
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253 38.1 21.2 31.8#
125 97.0 16.4 24.6#

Manual Integrations
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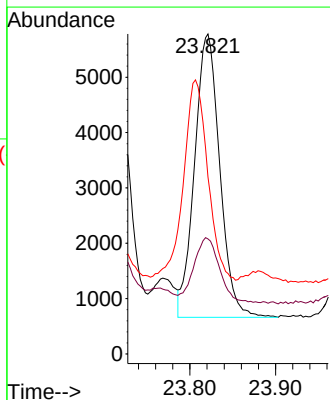
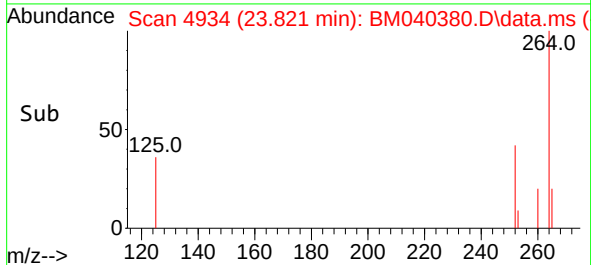
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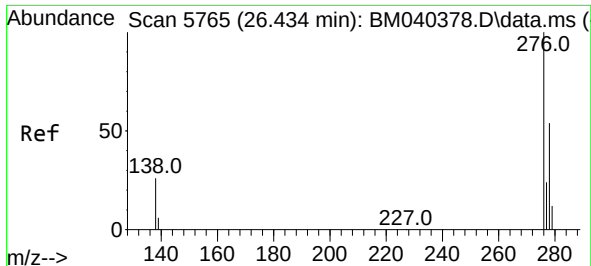


#26
Benzo(a)pyrene
Concen: 0.189 ng/ul
RT: 23.821 min Scan# 4934
Delta R.T. -0.003 min
Lab File: BM040380.D
Acq: 23 Jun 2023 17:57



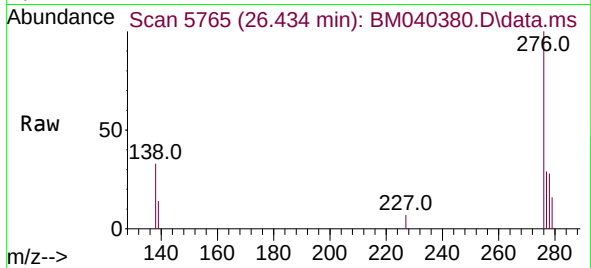
Tgt Ion:252 Resp: 10450
Ion Ratio Lower Upper
252 100
253 36.0 22.9 34.3#
125 55.4 21.0 31.4#





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.135 ng/ul
RT: 26.434 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM040380.D
Acq: 23 Jun 2023 17:57

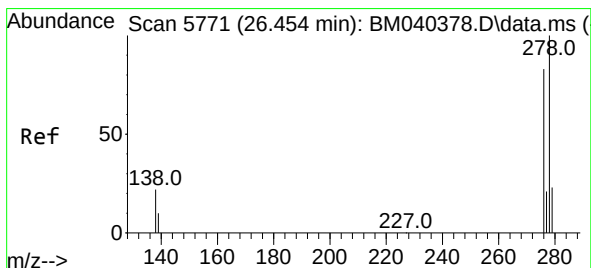
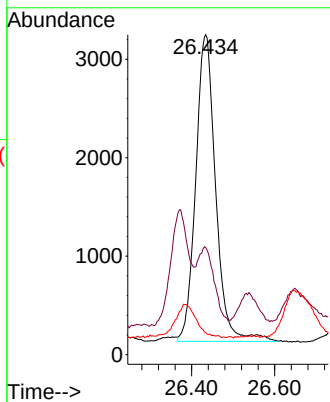
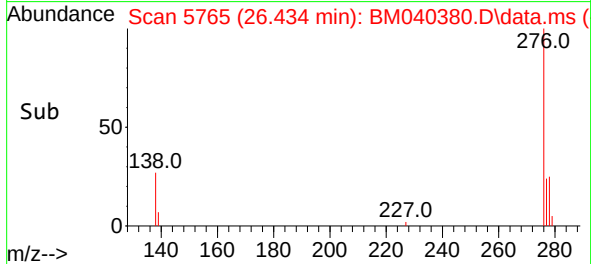
Instrument :
BNA_M
ClientSampleId :
DCFM3



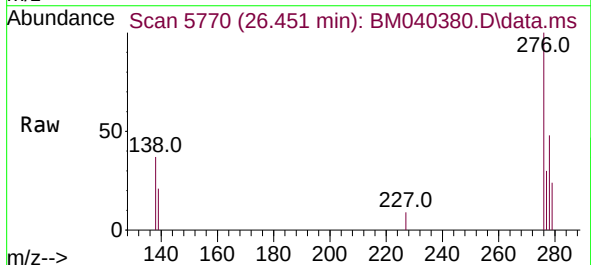
Tgt Ion:276 Resp: 10370
Ion Ratio Lower Upper
276 100
138 0.0 24.5 36.7#
227 0.0 0.1 0.1#

Manual Integrations
APPROVED

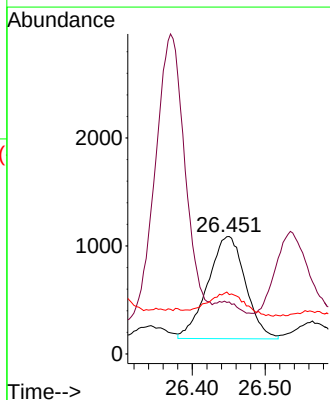
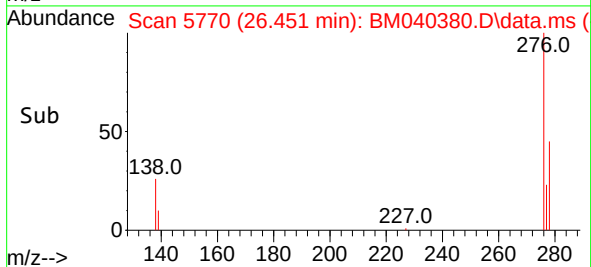
Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023

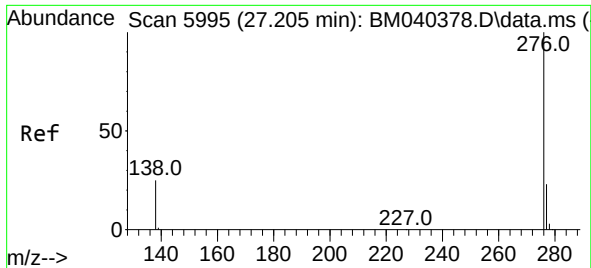


#28
Dibenzo(a,h)anthracene
Concen: 0.057 ng/ul
RT: 26.451 min Scan# 5770
Delta R.T. -0.003 min
Lab File: BM040380.D
Acq: 23 Jun 2023 17:57



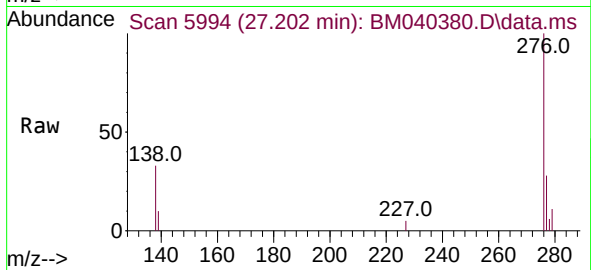
Tgt Ion:278 Resp: 3404
Ion Ratio Lower Upper
278 100
139 44.2 17.9 26.9#
279 50.6 22.0 33.0#





#29
Benzo(g,h,i)perylene
Concen: 0.156 ng/ul
RT: 27.202 min Scan# 5994
Delta R.T. -0.003 min
Lab File: BM040380.D
Acq: 23 Jun 2023 17:57

Instrument :
BNA_M
ClientSampleId :
DCFM3



Tgt Ion:276 Resp: 1050
Ion Ratio Lower Upper
276 100
138 32.9 23.0 34.6
277 27.6 20.3 30.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/24/2023
Supervised By :mohammad ahmed 06/27/2023

