

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071323\
 Data File : BM040853.D
 Acq On : 13 Jul 2023 17:20
 Operator : MA/JU
 Sample : 03418-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A46F4

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

07/17/2023
 Supervised By :mohammad
 ahmed

Quant Time: Jul 14 03:16:46 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 Jul 14 03:14:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.866	152	5254	0.400	ng/ul	0.00
4) Naphthalene-d8	10.669	136	17687	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.513	164	7766	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.265	188	17215	0.400	ng/ul	0.00
17) Chrysene-d12	21.460	240	11214	0.400	ng/ul	# 0.00
23) Perylene-d12	23.839	264	12105	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.279	96	36038	4.367	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.264	152	6638	0.268	ng/ul	0.00
18) Fluoranthene-d10	19.296	212	10261	0.285	ng/ul	0.00
Target Compounds						
					Qvalue	
10) Acenaphthylene	14.231	152	1237	0.036	ng/ul#	76
15) Phenanthrene	17.303	178	5325	0.100	ng/ul	95
16) Anthracene	17.396	178	1236	0.028	ng/ul#	78
19) Fluoranthene	19.324	202	13353	0.280	ng/ul	100
20) Pyrene	19.687	202	13254m	0.260	ng/ul	
21) Benzo(a)anthracene	21.442	228	5145	0.136	ng/ul#	92
22) Chrysene	21.495	228	7430	0.172	ng/ul#	94
24) Benzo(b)fluoranthene	23.114	252	8592	0.183	ng/ul	81
25) Benzo(k)fluoranthene	23.161	252	3068m	0.066	ng/ul	
26) Benzo(a)pyrene	23.731	252	5391	0.128	ng/ul#	80
27) Indeno(1,2,3-cd)pyrene	26.304	276	4181	0.071	ng/ul#	83
28) Dibenzo(a,h)anthracene	26.314	278	987	0.021	ng/ul#	20
29) Benzo(g,h,i)perylene	27.058	276	4955	0.096	ng/ul	94

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

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ALS Vial : 5 Sample Multiplier: 1

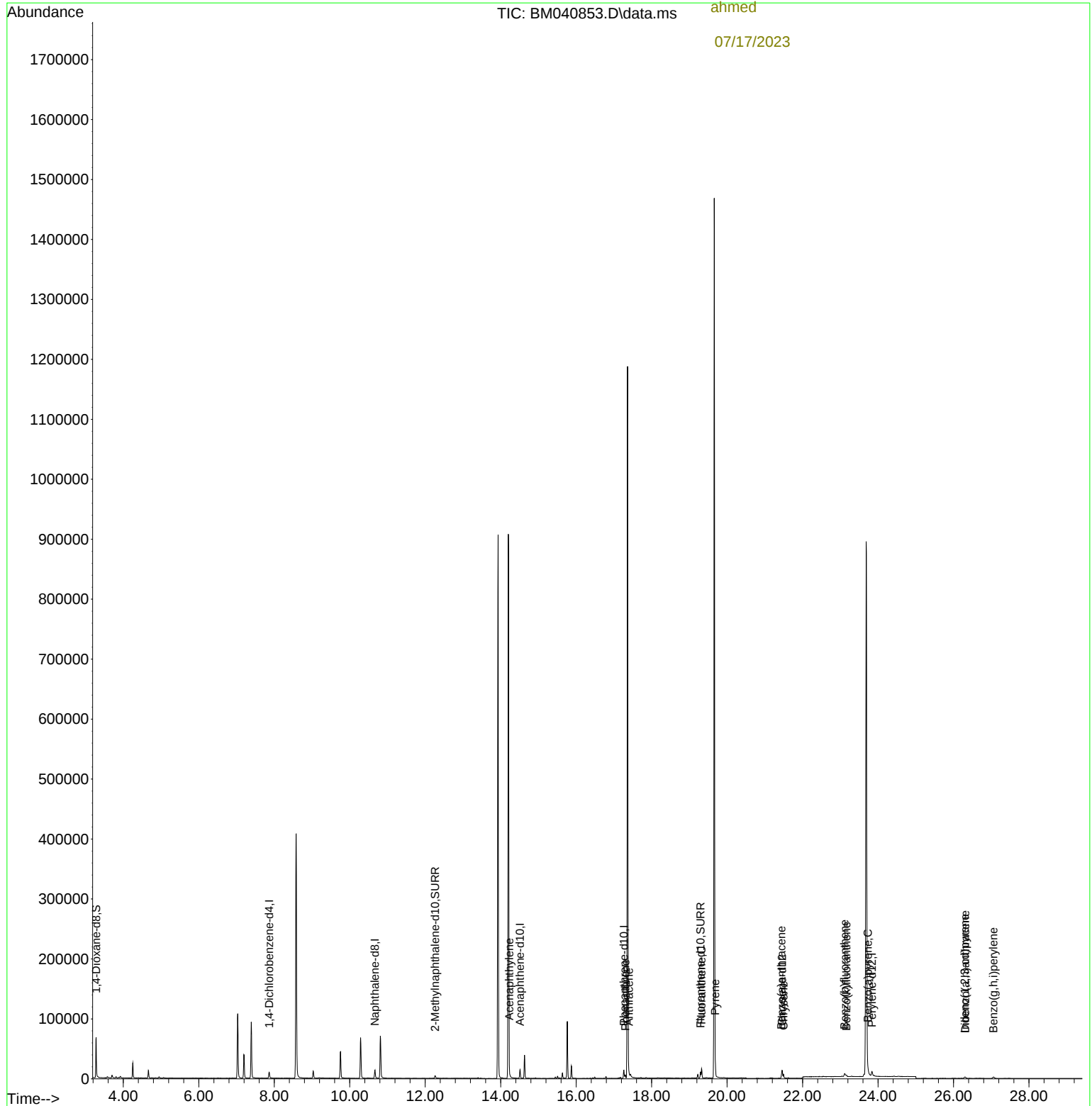
Instrument :
BNA_M
ClientSampleId :
A46F4

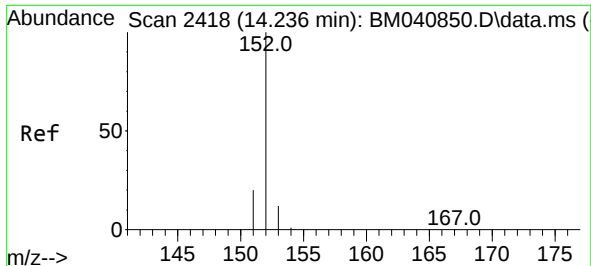
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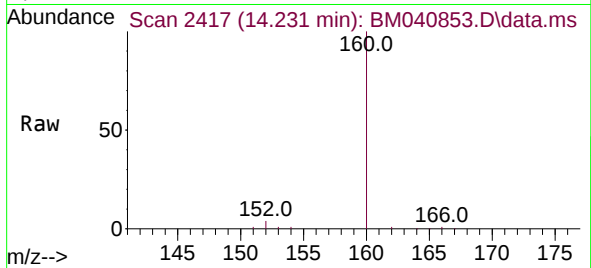
Quant Time: Jul 14 03:16:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 14 03:14:53 2023
Response via : Initial Calibration





#10
Acenaphthylene
Concen: 0.036 ng/ul
RT: 14.231 min Scan# 2417
Delta R.T. -0.005 min
Lab File: BM040853.D
Acq: 13 Jul 2023 17:20

Instrument :
BNA_M
ClientSampleId :
A46F4



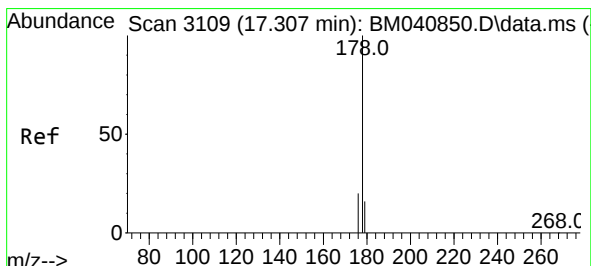
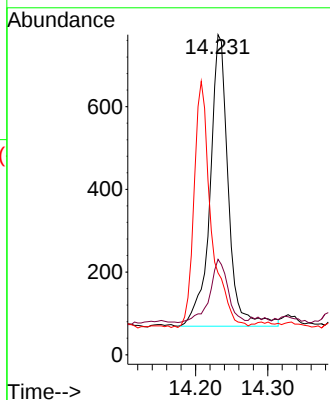
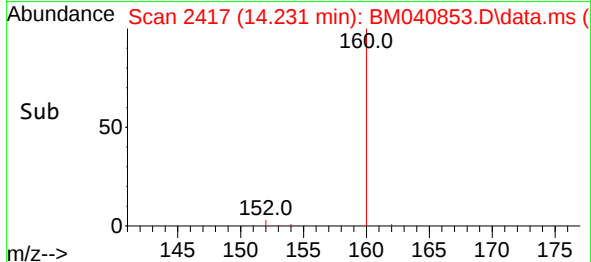
Tgt Ion:152 Resp: 123
Ion Ratio Lower Upper
152 100
151 29.8 16.2 24.2
153 25.6 10.9 16.3

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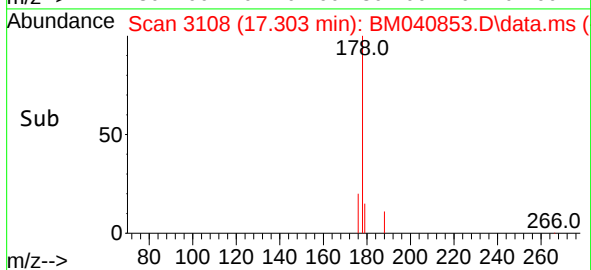
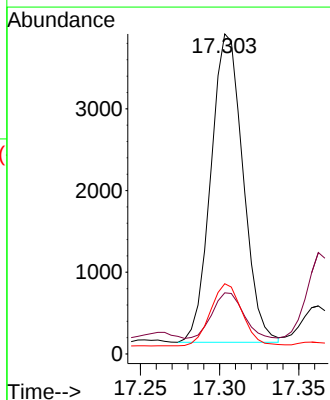
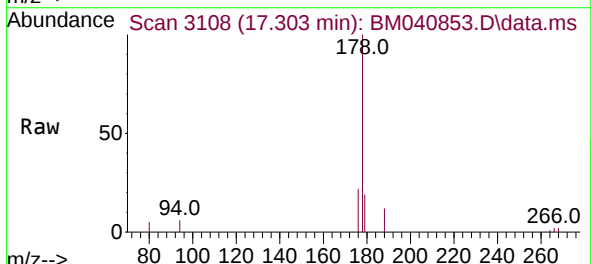
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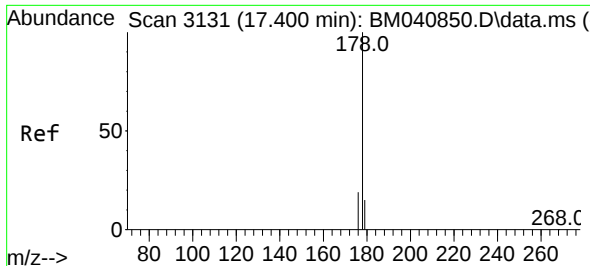
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#15
Phenanthrene
Concen: 0.100 ng/ul
RT: 17.303 min Scan# 3108
Delta R.T. -0.004 min
Lab File: BM040853.D
Acq: 13 Jul 2023 17:20

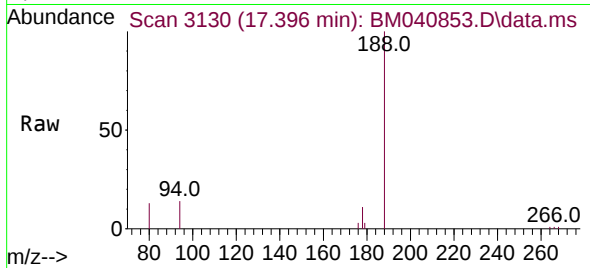
Tgt Ion:178 Resp: 5325
Ion Ratio Lower Upper
178 100
179 19.1 12.8 19.2
176 22.0 16.4 24.6





#16
 Anthracene
 Concen: 0.028 ng/ul
 RT: 17.396 min Scan# 3131
 Delta R.T. -0.004 min
 Lab File: BM040853.D
 Acq: 13 Jul 2023 17:20

Instrument :
 BNA_M
 ClientSampleId :
 A46F4



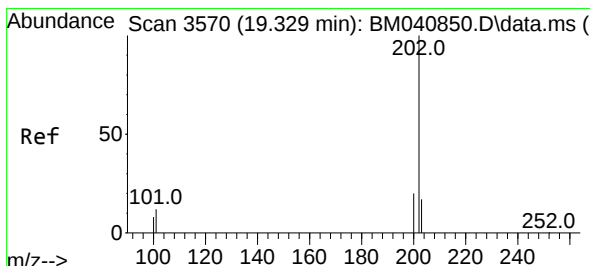
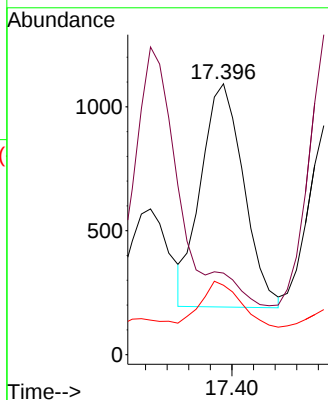
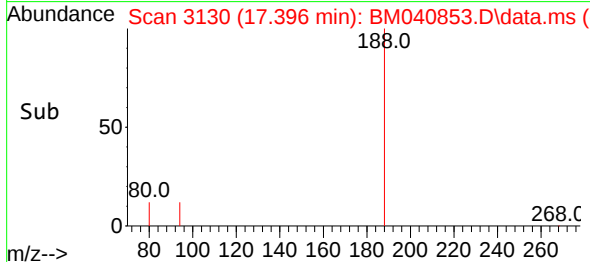
Tgt Ion:178 Resp: 1230
 Ion Ratio Lower Upper
 178 100
 179 30.1 12.9 19.3
 176 25.6 15.8 23.6

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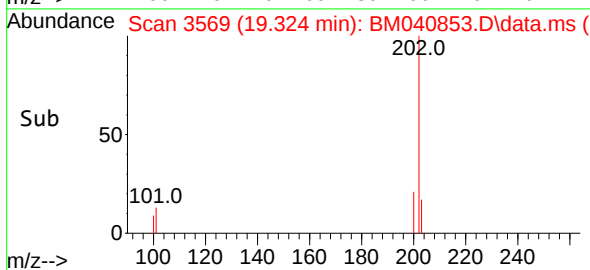
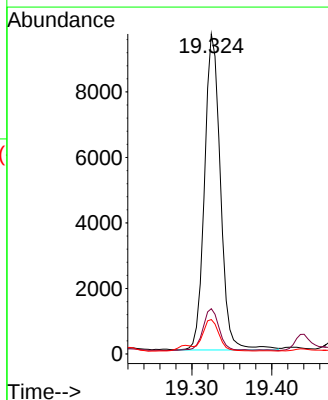
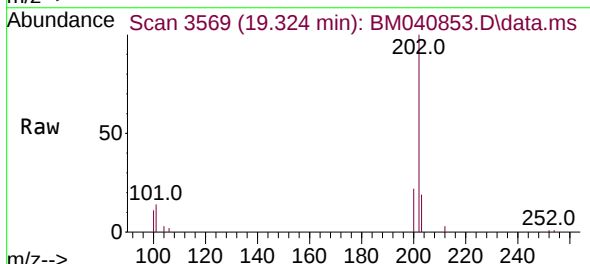
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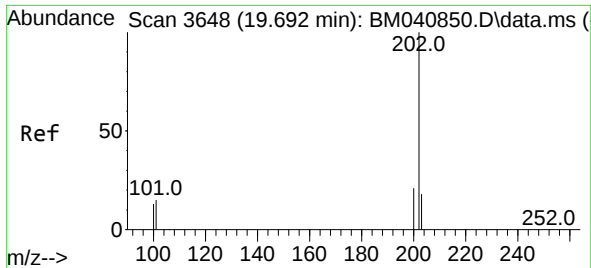
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#19
 Fluoranthene
 Concen: 0.280 ng/ul
 RT: 19.324 min Scan# 3569
 Delta R.T. -0.005 min
 Lab File: BM040853.D
 Acq: 13 Jul 2023 17:20

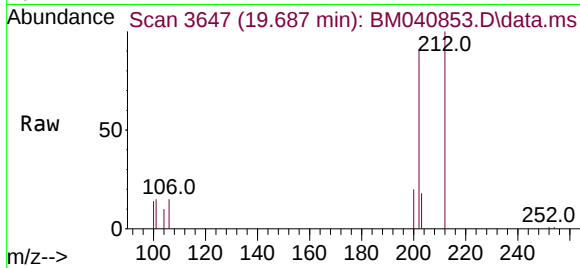
Tgt Ion:202 Resp: 13353
 Ion Ratio Lower Upper
 202 100
 101 14.2 11.4 17.0
 100 10.8 8.7 13.1





#20
Pyrene
Concen: 0.260 ng/ul m
RT: 19.687 min Scan# 30
Delta R.T. -0.005 min
Lab File: BM040853.D
Acq: 13 Jul 2023 17:20

Instrument :
BNA_M
ClientSampleId :
A46F4



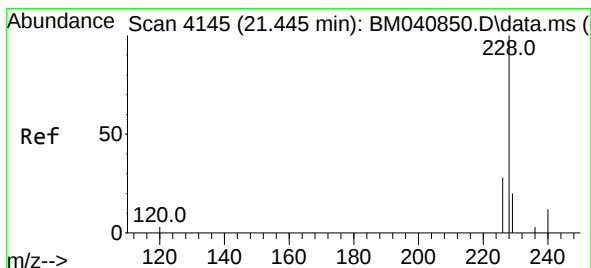
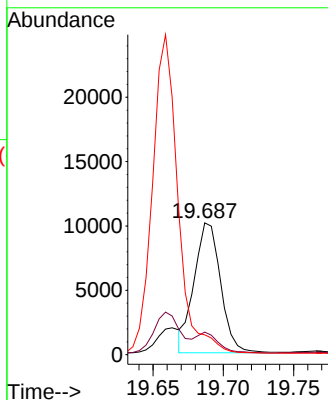
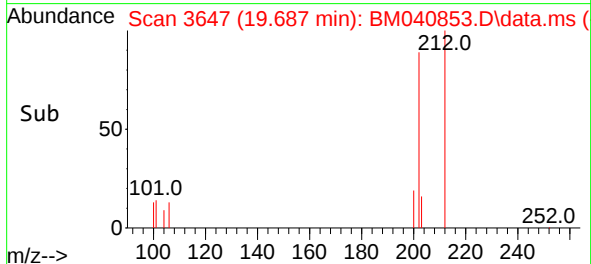
Tgt Ion:202 Resp: 13254
Ion Ratio Lower Upper
202 100
101 17.1 12.6 18.8
100 15.0 9.8 14.6

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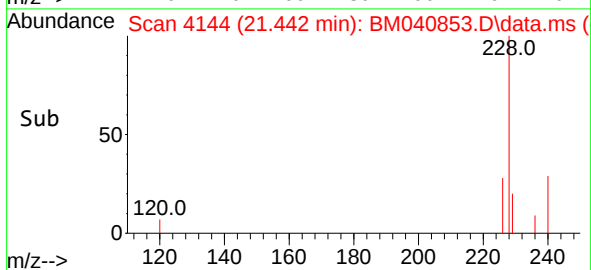
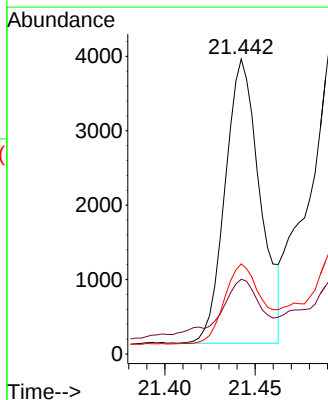
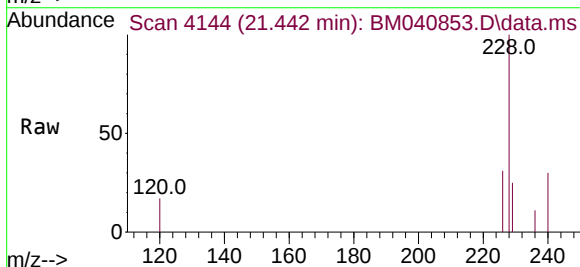
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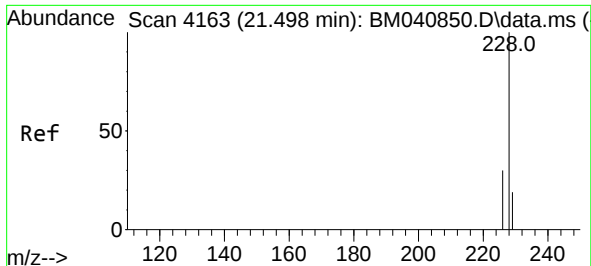
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#21
Benzo(a)anthracene
Concen: 0.136 ng/ul
RT: 21.442 min Scan# 4144
Delta R.T. -0.003 min
Lab File: BM040853.D
Acq: 13 Jul 2023 17:20

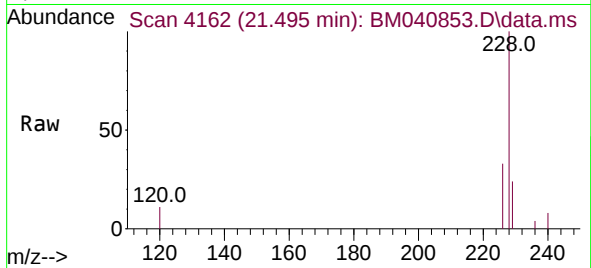
Tgt Ion:228 Resp: 5145
Ion Ratio Lower Upper
228 100
229 25.3 16.0 24.0#
226 30.5 22.3 33.5





#22
Chrysene
Concen: 0.172 ng/ul
RT: 21.495 min Scan# 4163
Delta R.T. -0.003 min
Lab File: BM040853.D
Acq: 13 Jul 2023 17:20

Instrument :
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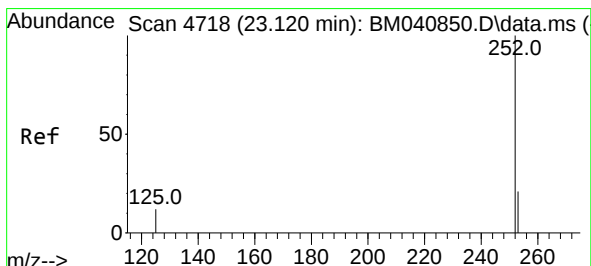
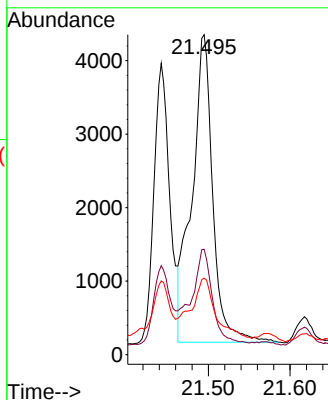
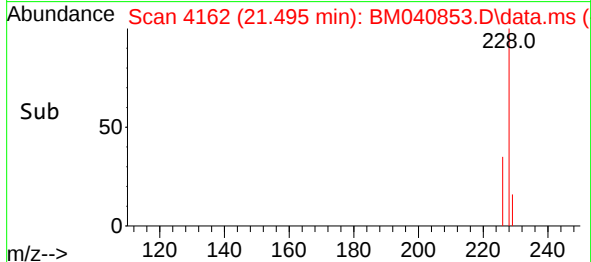
Tgt Ion:228 Resp: 7430
Ion Ratio Lower Upper
228 100
226 33.0 24.9 37.3
229 23.9 15.8 23.6

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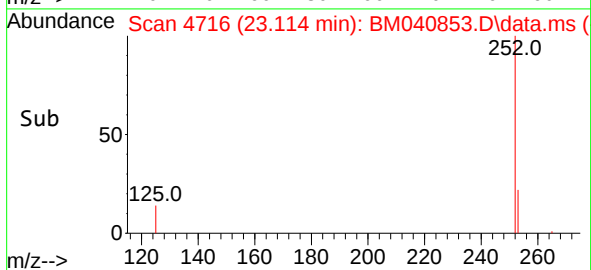
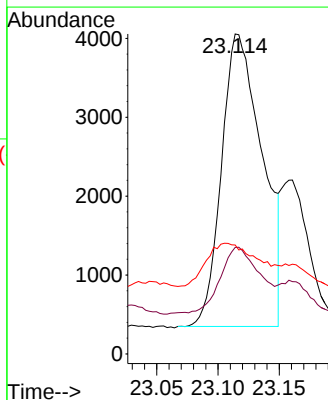
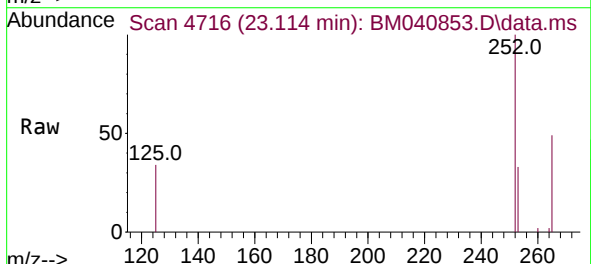
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ahmed

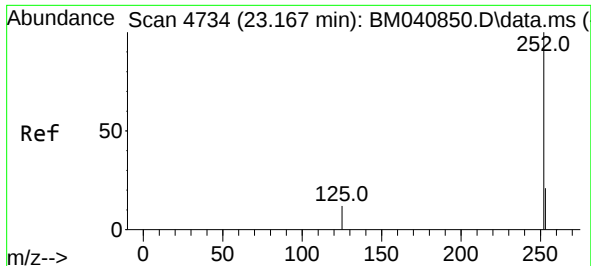
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#24
Benzo(b)fluoranthene
Concen: 0.183 ng/ul
RT: 23.114 min Scan# 4716
Delta R.T. -0.006 min
Lab File: BM040853.D
Acq: 13 Jul 2023 17:20

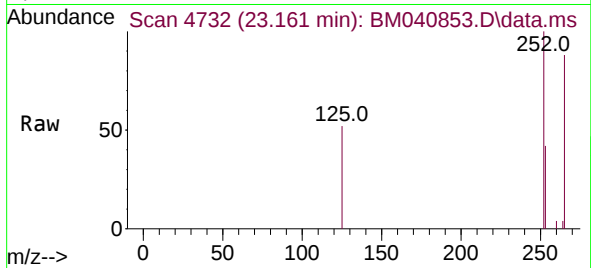
Tgt Ion:252 Resp: 8592
Ion Ratio Lower Upper
252 100
253 33.3 0.0 52.8
125 34.0 0.0 43.0





#25
Benzo(k)fluoranthene
Concen: 0.066 ng/ul m
RT: 23.161 min Scan# 41
Delta R.T. -0.006 min
Lab File: BM040853.D
Acq: 13 Jul 2023 17:20

Instrument :
BNA_M
ClientSampleId :
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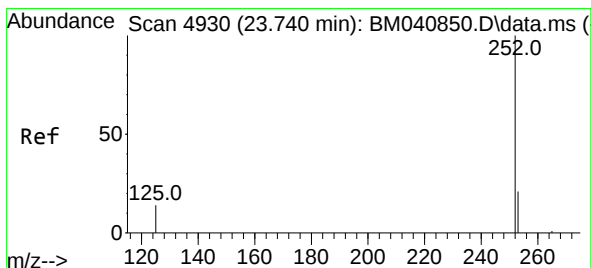
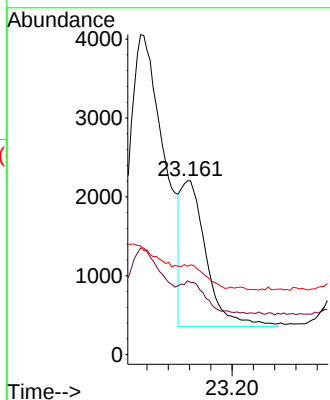
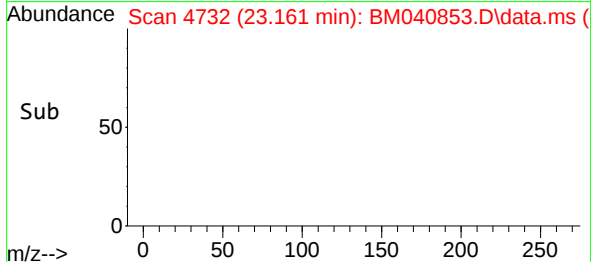
Tgt Ion:252 Resp: 3068
Ion Ratio Lower Upper
252 100
253 41.6 21.2 31.8#
125 51.6 16.4 24.6#

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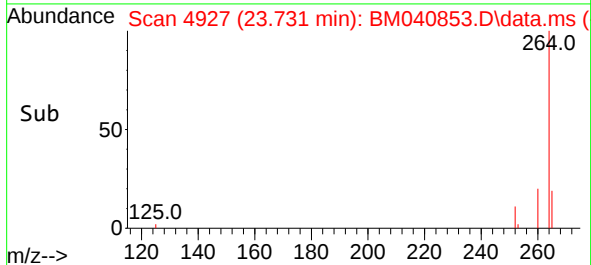
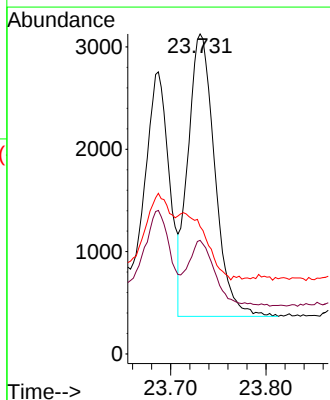
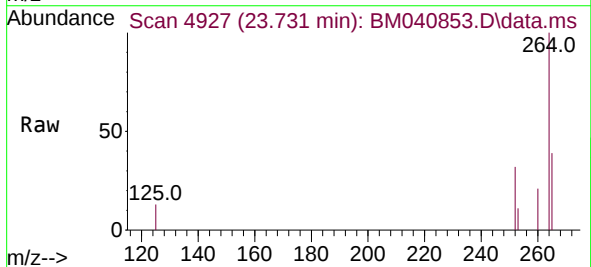
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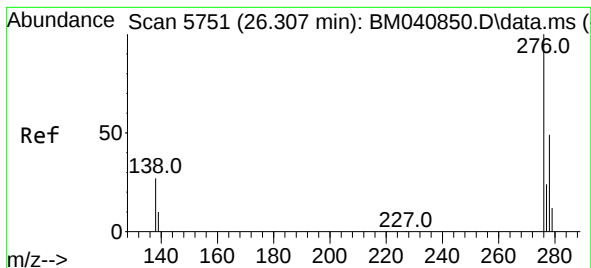
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#26
Benzo(a)pyrene
Concen: 0.128 ng/ul
RT: 23.731 min Scan# 4927
Delta R.T. -0.009 min
Lab File: BM040853.D
Acq: 13 Jul 2023 17:20

Tgt Ion:252 Resp: 5391
Ion Ratio Lower Upper
252 100
253 35.5 22.9 34.3#
125 39.8 21.0 31.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.071 ng/ul

RT: 26.304 min Scan# 5751

Delta R.T. -0.003 min

Lab File: BM040853.D

Acq: 13 Jul 2023 17:20

Instrument :

BNA_M

ClientSampleId :

A46F4

Tgt Ion:276 Resp: 418

Ion	Ratio	Lower	Upper
276	100		
138	21.3	24.5	36.7
227	0.2	0.1	0.1

Manual Integrations

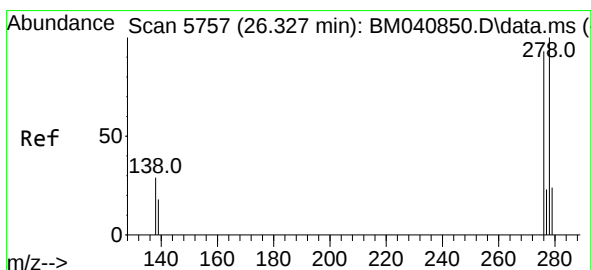
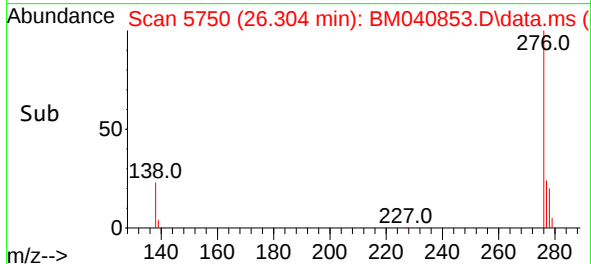
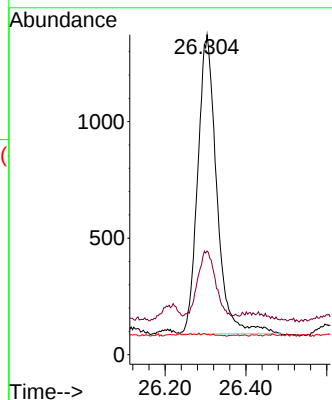
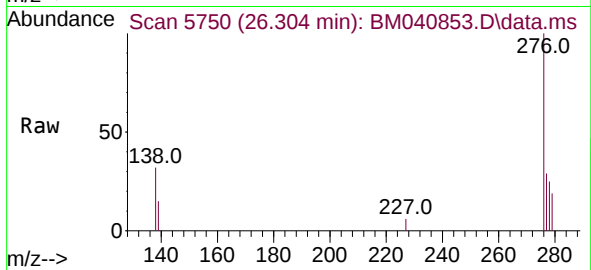
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ahmed

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#28

Dibenzo(a,h)anthracene

Concen: 0.021 ng/ul

RT: 26.314 min Scan# 5753

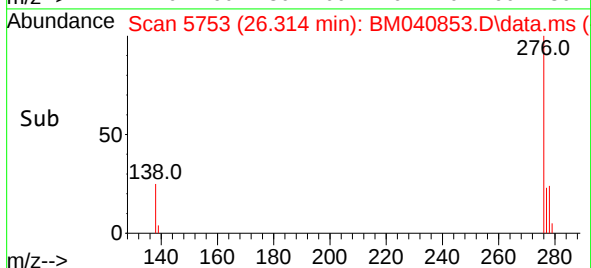
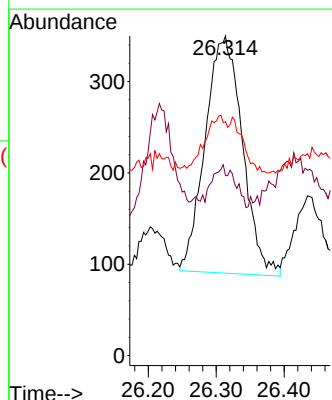
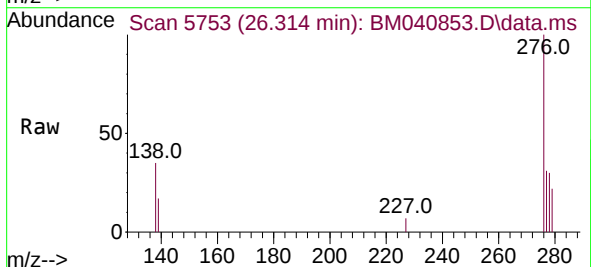
Delta R.T. -0.013 min

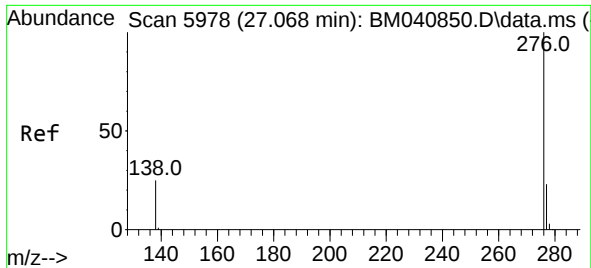
Lab File: BM040853.D

Acq: 13 Jul 2023 17:20

Tgt Ion:278 Resp: 987

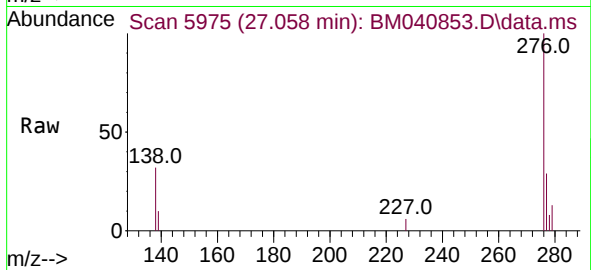
Ion	Ratio	Lower	Upper
278	100		
139	56.3	17.9	26.9
279	73.1	22.0	33.0





#29
Benzo(g,h,i)perylene
Concen: 0.096 ng/ul
RT: 27.058 min Scan# 5975
Delta R.T. -0.010 min
Lab File: BM040853.D
Acq: 13 Jul 2023 17:20

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:276 Resp: 495
Ion Ratio Lower Upper
276 100
138 32.0 23.0 34.6
277 28.7 20.3 30.5

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