

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
 Data File : BM041108.D
 Acq On : 25 Jul 2023 16:27
 Operator : MA/JU
 Sample : 03534-06
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4718

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/27/2023

Quant Time: Jul 26 04:40:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 04:20:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	4186	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	14536	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.490	164	7598	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.248	188	14804	0.400	ng/ul	0.00
17) Chrysene-d12	21.448	240	12099	0.400	ng/ul	0.00
23) Perylene-d12	23.830	264	8959	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.250	96	4789	0.742	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.231	152	5260	0.253	ng/ul	0.00
18) Fluoranthene-d10	19.283	212	9483	0.288	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.686	128	1742	0.037	ng/ul#	78
10) Acenaphthylene	14.208	152	875	0.027	ng/ul#	59
11) Acenaphthene	14.578	153	795m	0.029	ng/ul	
15) Phenanthrene	17.291	178	5930	0.130	ng/ul	97
19) Fluoranthene	19.310	202	15781	0.364	ng/ul	98
20) Pyrene	19.673	202	18627	0.390	ng/ul	99
21) Benzo(a)anthracene	21.431	228	4433	0.110	ng/ul	92
22) Chrysene	21.483	228	8332	0.178	ng/ul	96
24) Benzo(b)fluoranthene	23.105	252	11577	0.324	ng/ul	88
25) Benzo(k)fluoranthene	23.146	252	4307m	0.126	ng/ul	
26) Benzo(a)pyrene	23.722	252	850	0.029	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.290	276	10000	0.234	ng/ul#	89
28) Dibenzo(a,h)anthracene	26.294	278	1551	0.046	ng/ul#	17
29) Benzo(g,h,i)perylene	27.051	276	1836	0.048	ng/ul#	64

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

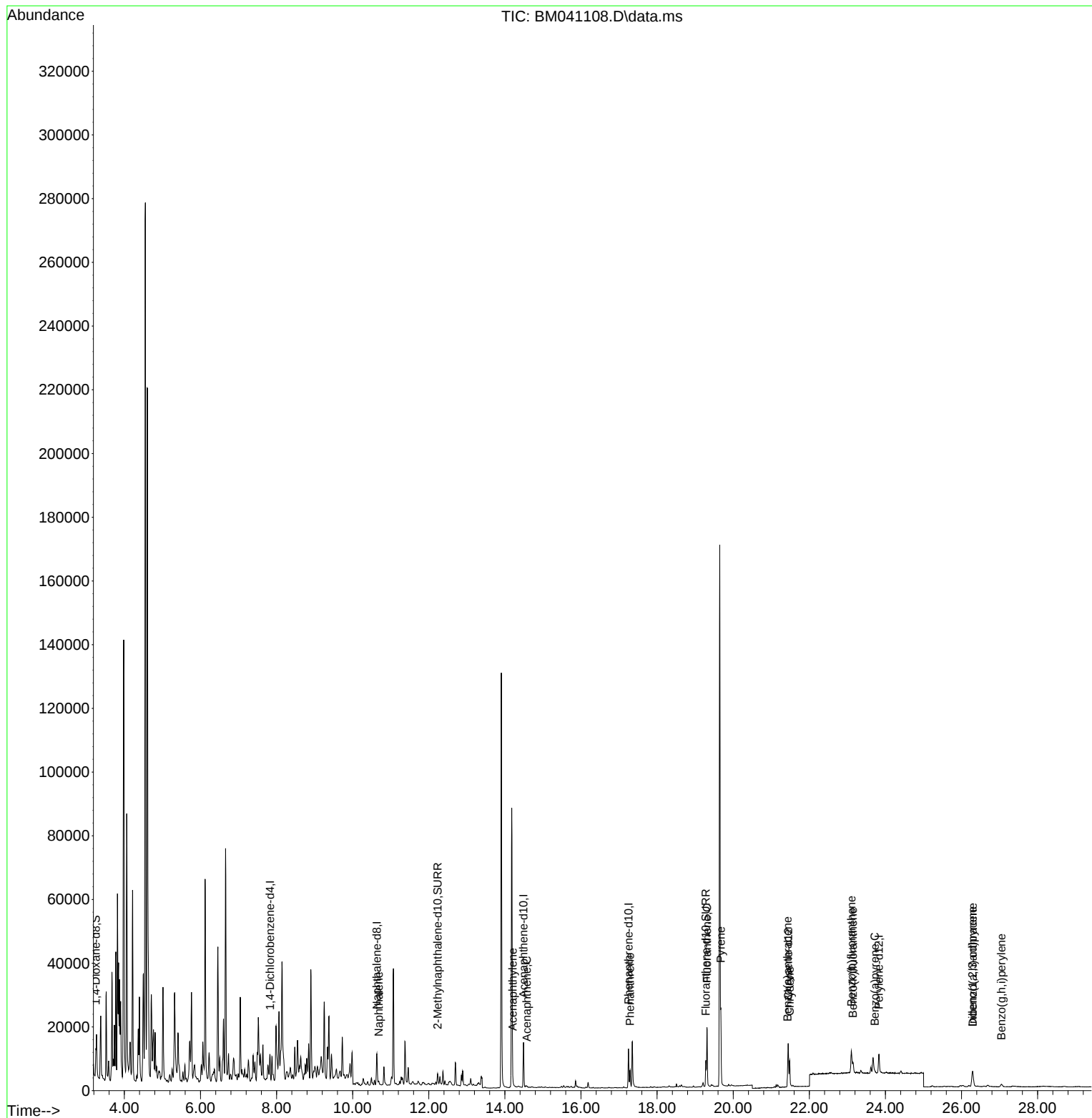
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072423\
Data File : BM041108.D
Acq On : 25 Jul 2023 16:27
Operator : MA/JU
Sample : 03534-06
Misc :
ALS Vial : 52 Sample Multiplier: 1

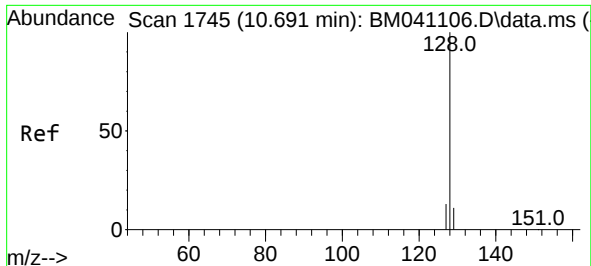
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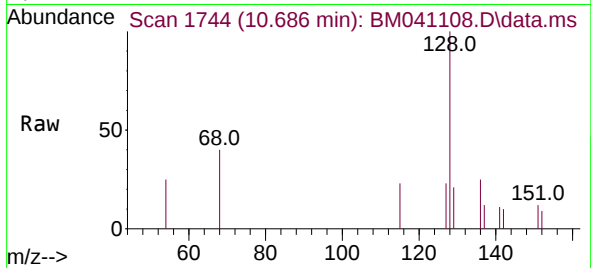
Quant Time: Jul 26 04:40:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 26 04:20:13 2023
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#5
Naphthalene
Concen: 0.037 ng/ul
RT: 10.686 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BM041108.D
Acq: 25 Jul 2023 16:27

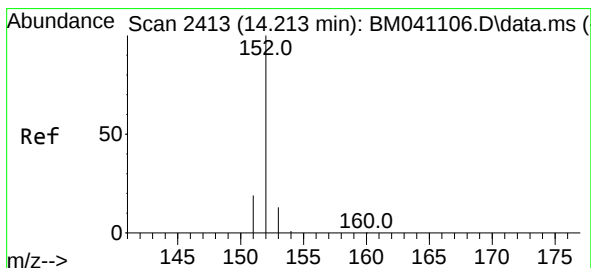
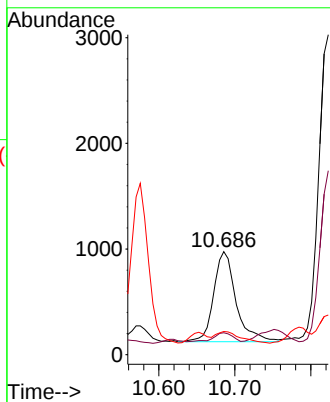
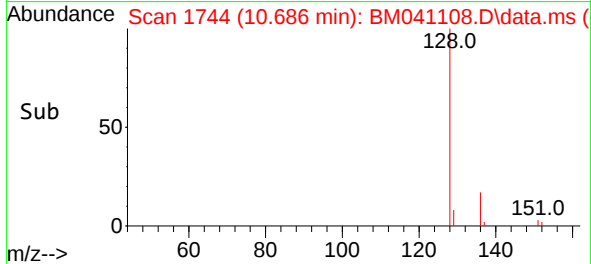
Instrument :
BNA_M
ClientSampleId :
A4718



Tgt Ion:128 Resp: 1745
Ion Ratio Lower Upper
128 100
129 21.3 9.8 14.8#
127 22.5 11.1 16.7#

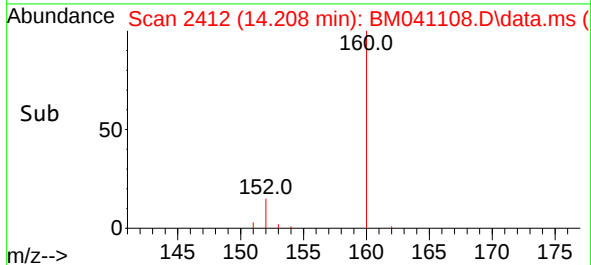
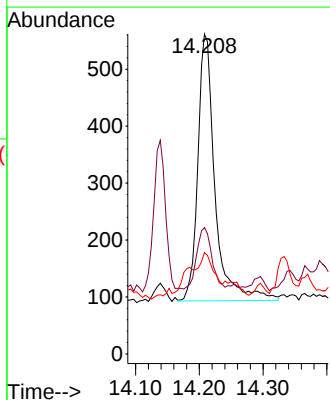
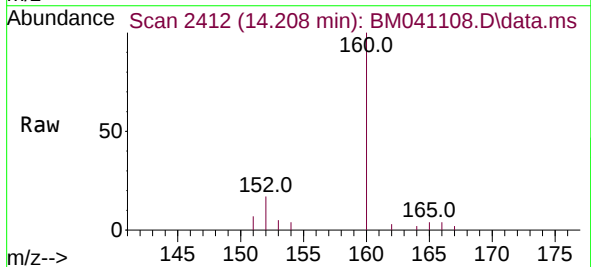
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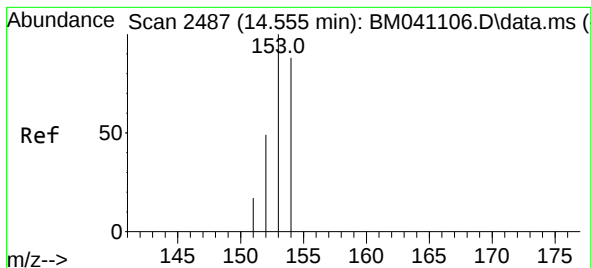
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#10
Acenaphthylene
Concen: 0.027 ng/ul
RT: 14.208 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BM041108.D
Acq: 25 Jul 2023 16:27

Tgt Ion:152 Resp: 875
Ion Ratio Lower Upper
152 100
151 39.5 16.8 25.2#
153 31.7 11.4 17.2#





#11

Acenaphthene

Concen: 0.029 ng/ul m

RT: 14.578 min Scan# 24

Delta R.T. 0.023 min

Lab File: BM041108.D

Acq: 25 Jul 2023 16:27

Instrument :

BNA_M

ClientSampleId :

A4718

Tgt Ion:153 Resp: 79

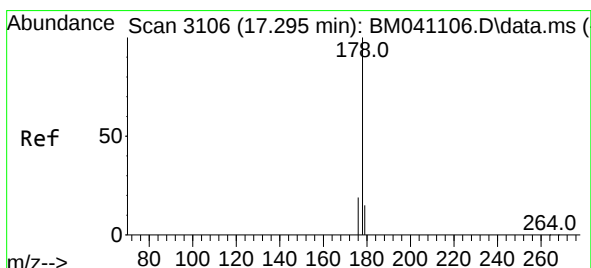
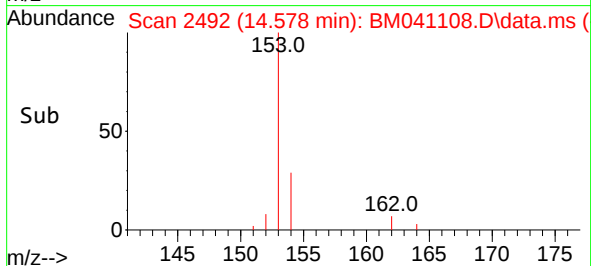
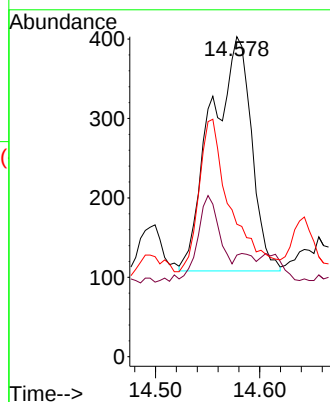
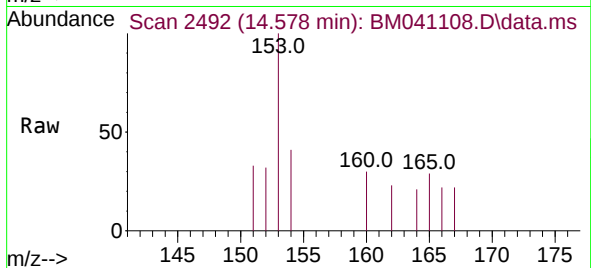
Ion	Ratio	Lower	Upper
153	100		
152	31.8	40.2	60.4
154	41.4	70.3	105.5

Manual Integrations

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#15

Phenanthrene

Concen: 0.130 ng/ul

RT: 17.291 min Scan# 3105

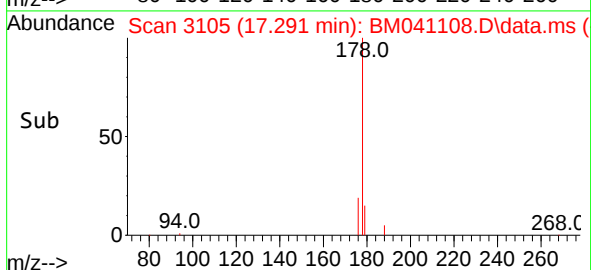
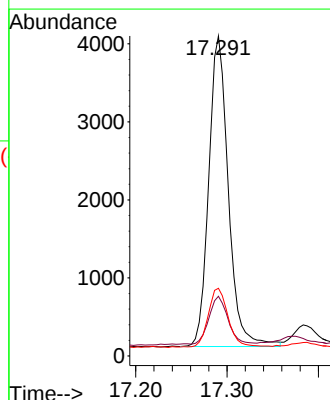
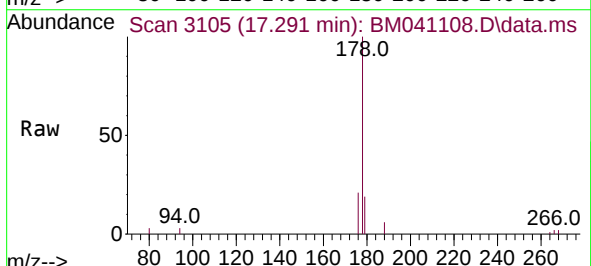
Delta R.T. -0.004 min

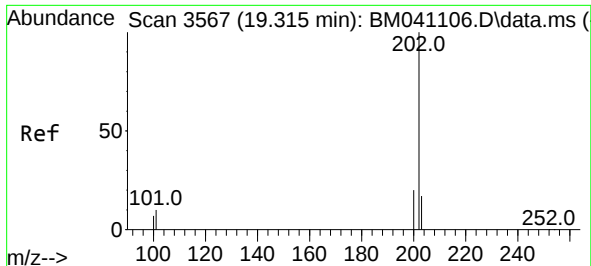
Lab File: BM041108.D

Acq: 25 Jul 2023 16:27

Tgt Ion:178 Resp: 5930

Ion	Ratio	Lower	Upper
178	100		
179	18.7	13.4	20.2
176	21.1	16.0	24.0





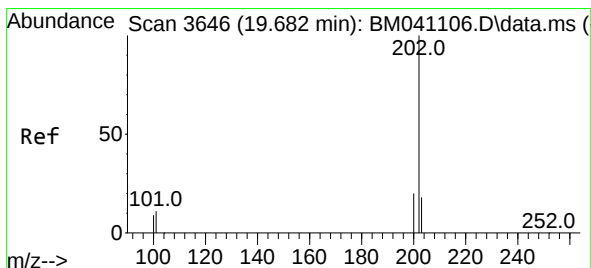
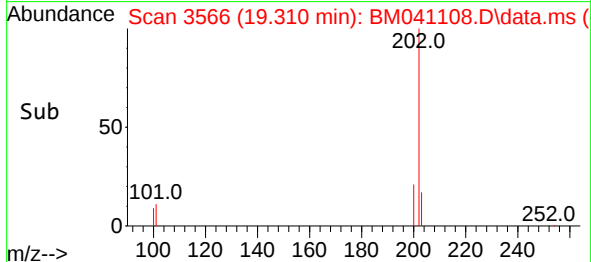
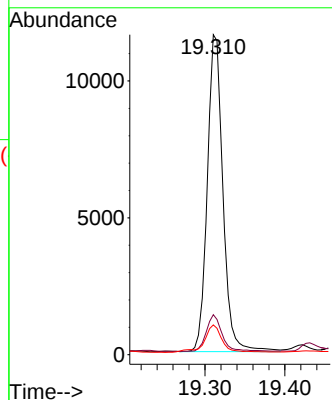
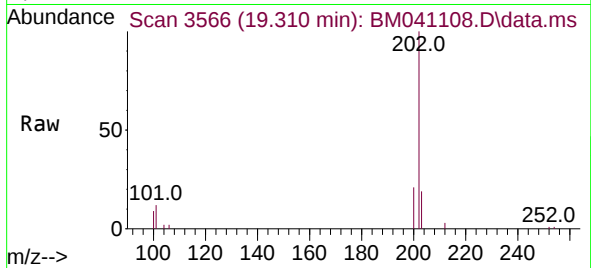
#19
Fluoranthene
Concen: 0.364 ng/u1
RT: 19.310 min Scan# 3567
Delta R.T. -0.005 min
Lab File: BM041108.D
Acq: 25 Jul 2023 16:27

Instrument :
BNA_M
ClientSampleId :
A4718

Tgt Ion:202 Resp: 1578
Ion Ratio Lower Upper
202 100
101 12.5 9.4 14.0
100 9.3 7.1 10.7

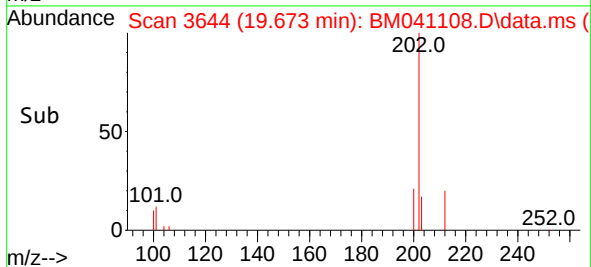
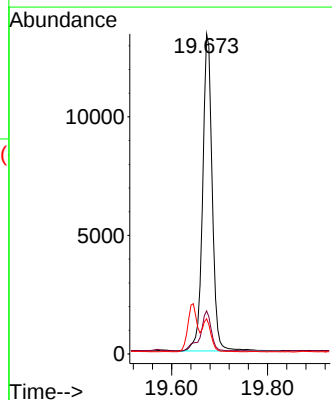
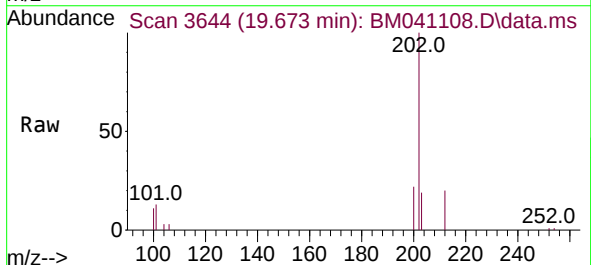
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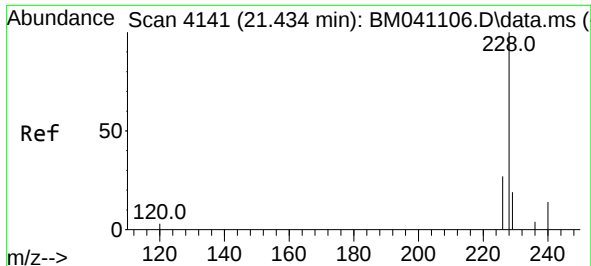
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#20
Pyrene
Concen: 0.390 ng/u1
RT: 19.673 min Scan# 3644
Delta R.T. -0.009 min
Lab File: BM041108.D
Acq: 25 Jul 2023 16:27

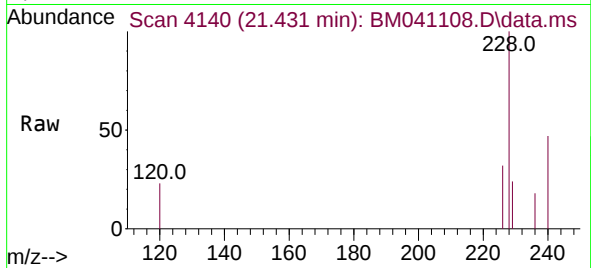
Tgt Ion:202 Resp: 18627
Ion Ratio Lower Upper
202 100
101 13.5 10.7 16.1
100 11.0 8.5 12.7





#21
Benzo(a)anthracene
Concen: 0.110 ng/ul
RT: 21.431 min Scan# 4141
Delta R.T. -0.003 min
Lab File: BM041108.D
Acq: 25 Jul 2023 16:27

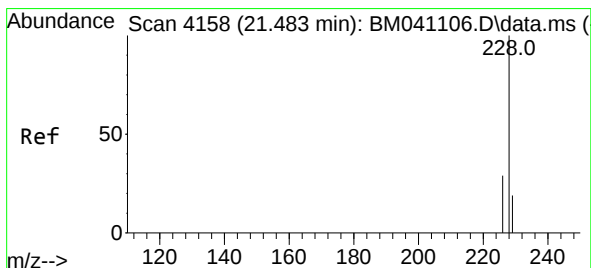
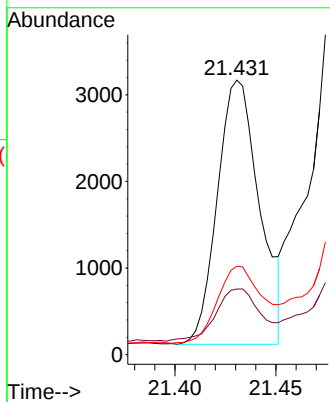
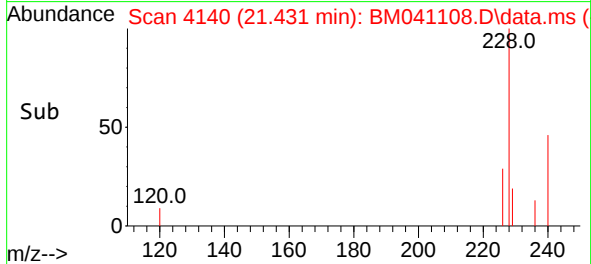
Instrument :
BNA_M
ClientSampleId :
A4718



Tgt Ion:228 Resp: 4438
Ion Ratio Lower Upper
228 100
229 23.9 16.5 24.7
226 32.2 22.2 33.2

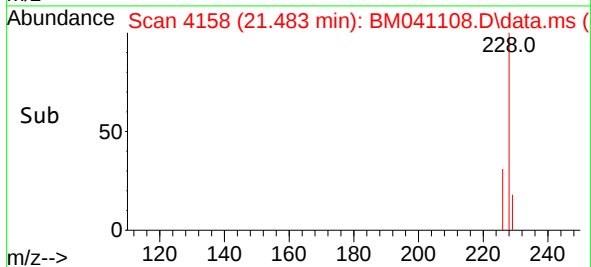
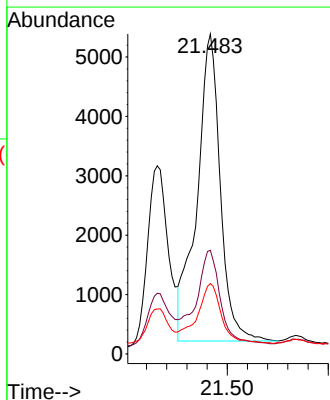
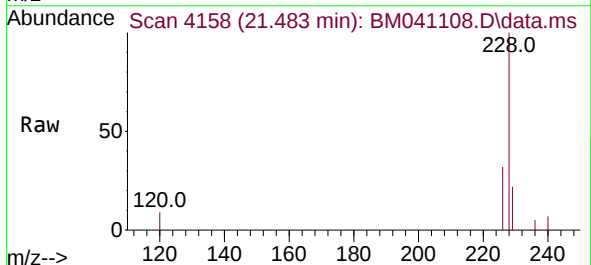
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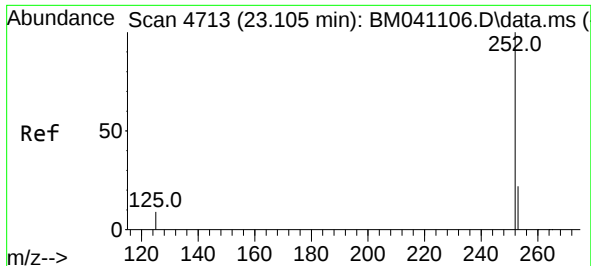
Reviewed By :Yogesh Patel 07/26/2023
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#22
Chrysene
Concen: 0.178 ng/ul
RT: 21.483 min Scan# 4158
Delta R.T. -0.003 min
Lab File: BM041108.D
Acq: 25 Jul 2023 16:27

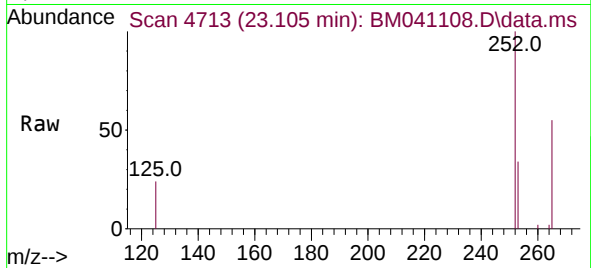
Tgt Ion:228 Resp: 8332
Ion Ratio Lower Upper
228 100
226 32.4 24.2 36.4
229 22.0 15.9 23.9





#24
Benzo(b)fluoranthene
Concen: 0.324 ng/ul
RT: 23.105 min Scan# 4713
Delta R.T. -0.000 min
Lab File: BM041108.D
Acq: 25 Jul 2023 16:27

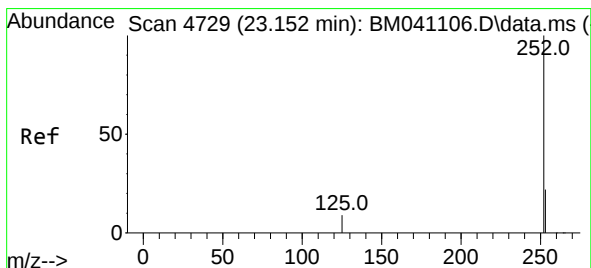
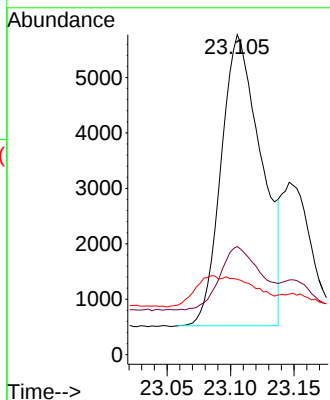
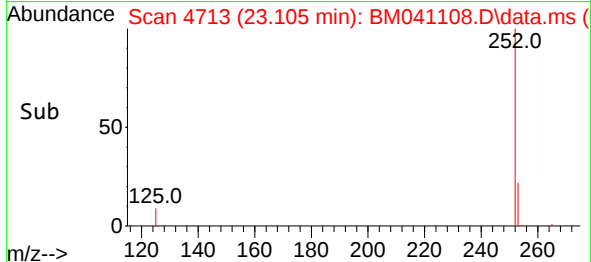
Instrument :
BNA_M
ClientSampleId :
A4718



Tgt Ion:252 Resp: 1157
Ion Ratio Lower Upper
252 100
253 33.8 0.0 57.6
125 23.6 0.0 33.6

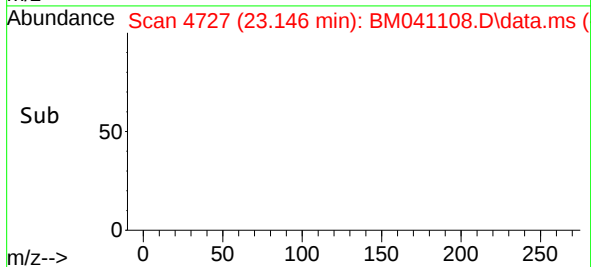
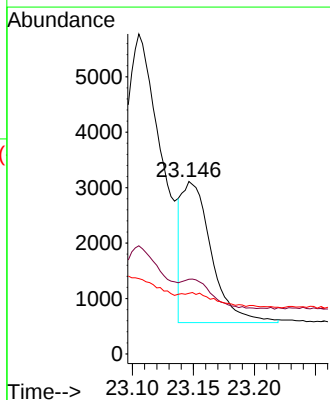
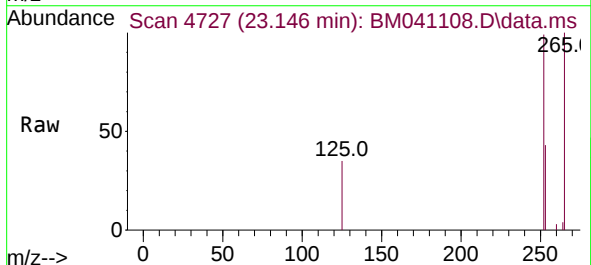
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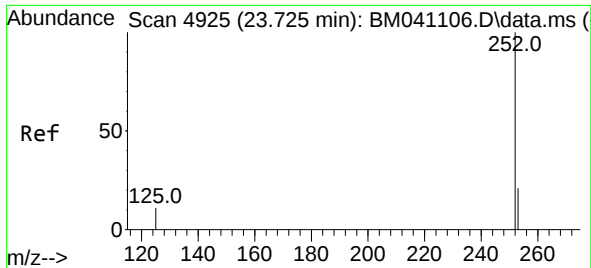
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#25
Benzo(k)fluoranthene
Concen: 0.126 ng/ul m
RT: 23.146 min Scan# 4727
Delta R.T. -0.009 min
Lab File: BM041108.D
Acq: 25 Jul 2023 16:27

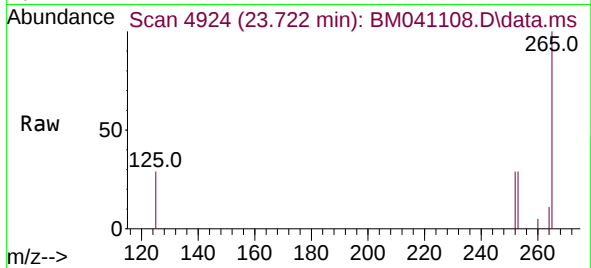
Tgt Ion:252 Resp: 4307
Ion Ratio Lower Upper
252 100
253 43.4 22.8 34.2#
125 35.2 13.5 20.3#





#26
Benzo(a)pyrene
Concen: 0.029 ng/ul
RT: 23.722 min Scan# 4925
Delta R.T. -0.006 min
Lab File: BM041108.D
Acq: 25 Jul 2023 16:27

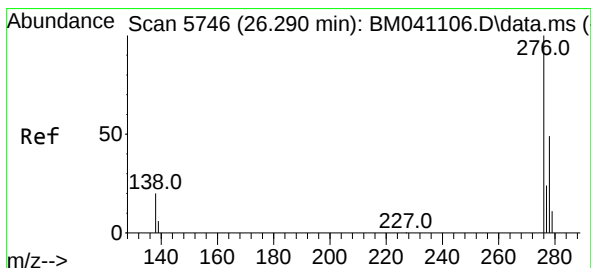
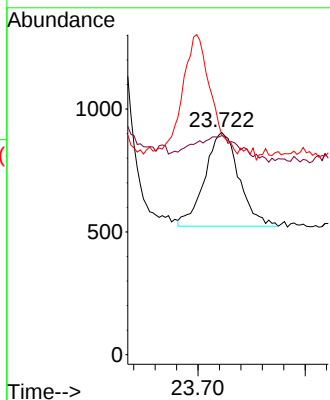
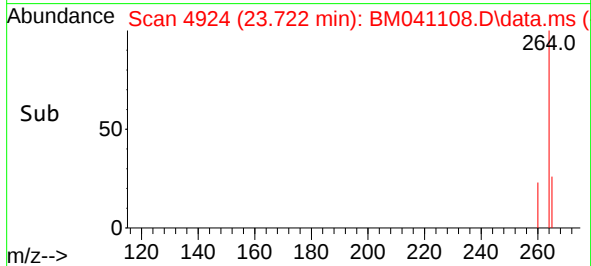
Instrument :
BNA_M
ClientSampleId :
A4718



Tgt Ion:252 Resp: 850
Ion Ratio Lower Upper
252 100
253 98.6 26.7 40.1#
125 99.0 18.1 27.1#

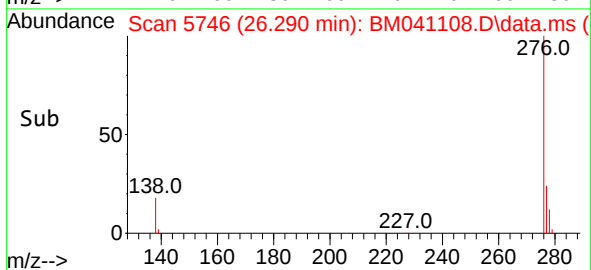
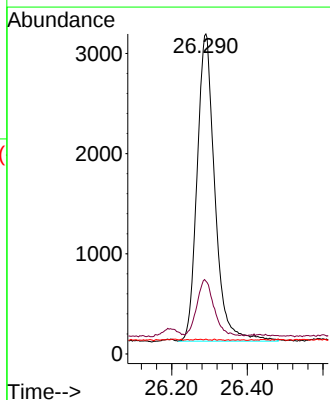
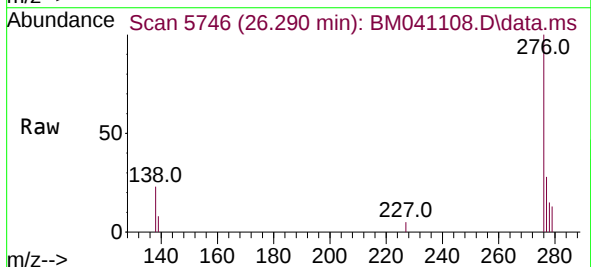
Manual Integrations
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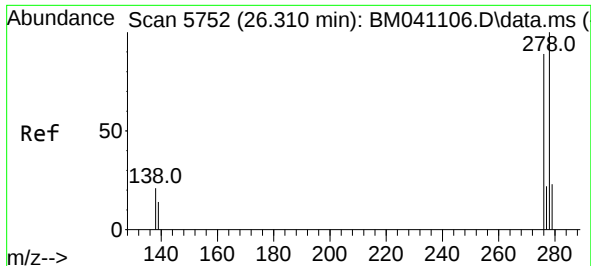
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.234 ng/ul
RT: 26.290 min Scan# 5746
Delta R.T. -0.007 min
Lab File: BM041108.D
Acq: 25 Jul 2023 16:27

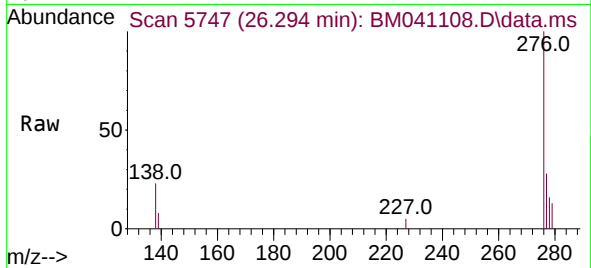
Tgt Ion:276 Resp: 10000
Ion Ratio Lower Upper
276 100
138 17.4 18.1 27.1#
227 0.1 0.2 0.2#





#28
Dibenzo(a,h)anthracene
Concen: 0.046 ng/ul
RT: 26.294 min Scan# 51
Delta R.T. -0.024 min
Lab File: BM041108.D
Acq: 25 Jul 2023 16:27

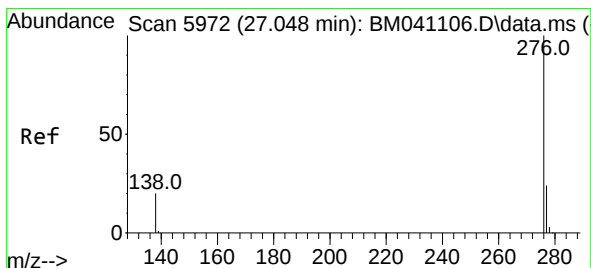
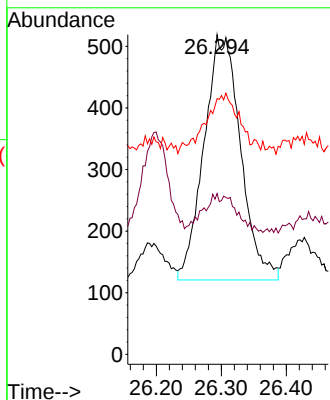
Instrument :
BNA_M
ClientSampleId :
A4718



Tgt Ion:278 Resp: 155
Ion Ratio Lower Upper
278 100
139 50.3 14.1 21.1#
279 80.0 25.0 37.4#

Manual Integrations
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Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/27/2023



#29
Benzo(g,h,i)perylene
Concen: 0.048 ng/ul
RT: 27.051 min Scan# 5973
Delta R.T. -0.000 min
Lab File: BM041108.D
Acq: 25 Jul 2023 16:27

Tgt Ion:276 Resp: 1836
Ion Ratio Lower Upper
276 100
138 41.2 18.2 27.2#
277 43.0 20.6 30.8#

