

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072323\
 Data File : BN026682.D
 Acq On : 23 Jul 2023 18:21
 Operator : MA/JU
 Sample : 03472-21DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A46R2DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 24 00:42:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 00:39:11 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	3555	0.400	ng/ul	0.00
4) Naphthalene-d8	10.625	136	11365	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.467	164	7084	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.215	188	13861	0.400	ng/ul	0.00
17) Chrysene-d12	21.416	240	9397	0.400	ng/ul	# 0.00
23) Perylene-d12	23.787	264	11374	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.203	96	957	0.204	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.231	152	625	0.040	ng/ul	0.01
18) Fluoranthene-d10	19.250	212	1381	0.042	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.674	128	1339	0.043	ng/ul#	82
15) Phenanthrene	17.257	178	6224	0.141	ng/ul	98
16) Anthracene	17.350	178	1192	0.031	ng/ul#	80
19) Fluoranthene	19.278	202	14672	0.333	ng/ul#	97
20) Pyrene	19.641	202	3559	0.074	ng/ul#	95
21) Benzo(a)anthracene	21.399	228	5862	0.170	ng/ul#	92
22) Chrysene	21.454	228	5602	0.143	ng/ul#	89
24) Benzo(b)fluoranthene	23.071	252	7956m	0.180	ng/ul	
25) Benzo(k)fluoranthene	23.112	252	3418m	0.074	ng/ul	
27) Indeno(1,2,3-cd)pyrene	26.251	276	1128	0.022	ng/ul#	47
28) Dibenzo(a,h)anthracene	26.254	278	1127	0.028	ng/ul#	1

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

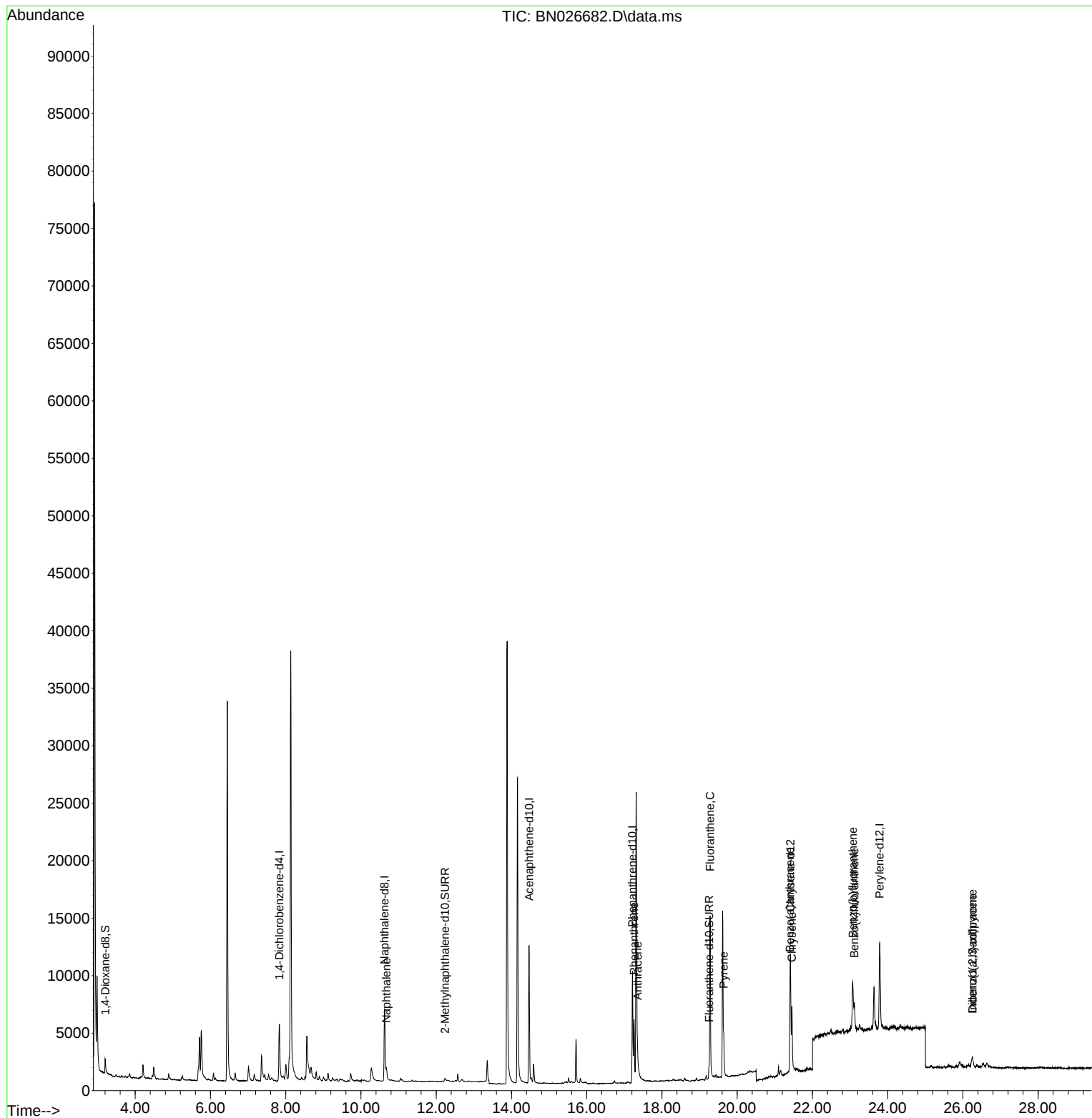
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072323\
Data File : BN026682.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

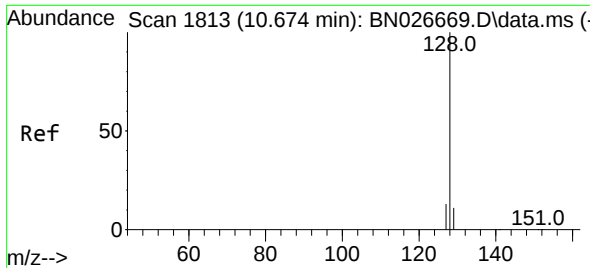
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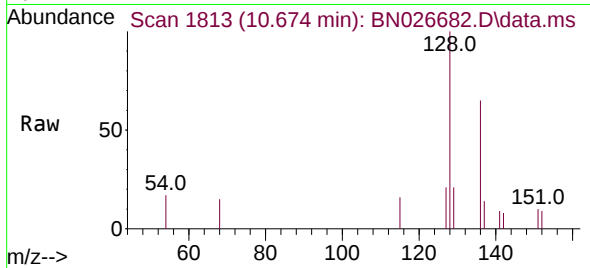
Quant Time: Jul 24 00:42:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 00:39:11 2023
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#5
Naphthalene
Concen: 0.043 ng/u1
RT: 10.674 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BN026682.D
Acq: 23 Jul 2023 18:21

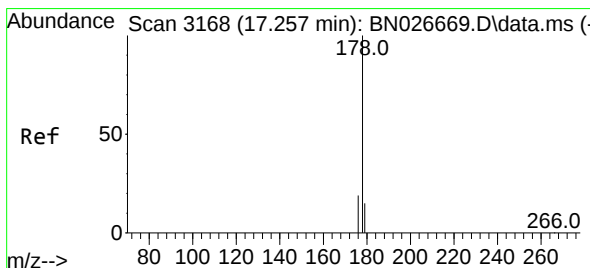
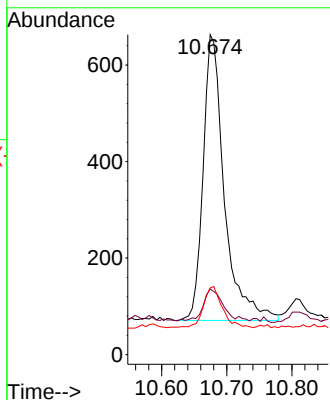
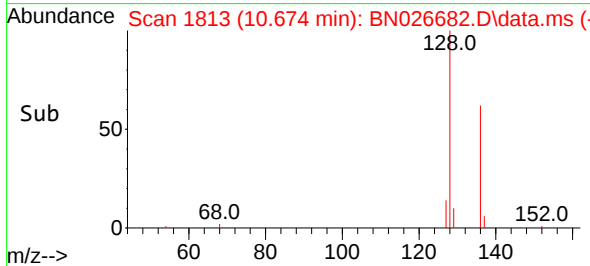
Instrument :
BNA_N
ClientSampleId :
A46R2DL



Tgt Ion:128 Resp: 1339
Ion Ratio Lower Upper
128 100
129 20.5 10.2 15.2
127 20.8 11.4 17.0

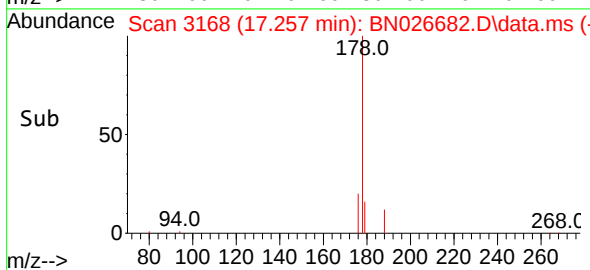
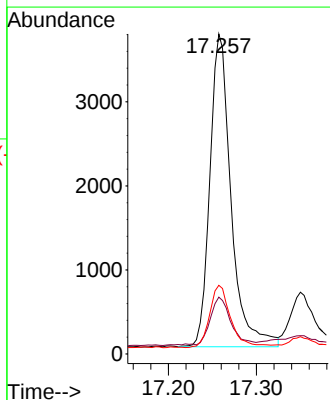
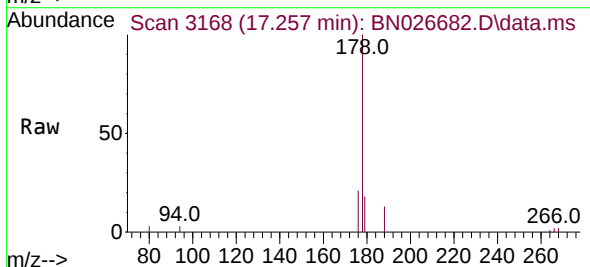
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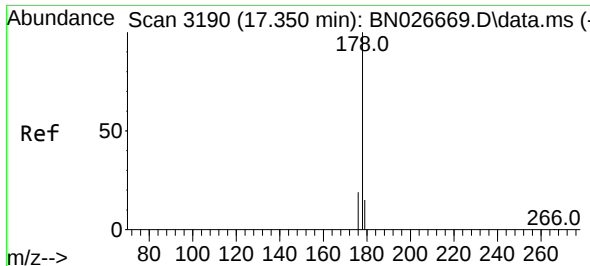
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#15
Phenanthrene
Concen: 0.141 ng/u1
RT: 17.257 min Scan# 3168
Delta R.T. -0.000 min
Lab File: BN026682.D
Acq: 23 Jul 2023 18:21

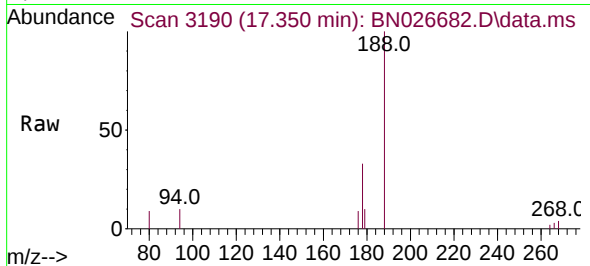
Tgt Ion:178 Resp: 6224
Ion Ratio Lower Upper
178 100
179 17.8 13.7 20.5
176 21.5 16.5 24.7





#16
 Anthracene
 Concen: 0.031 ng/ul
 RT: 17.350 min Scan# 3190
 Delta R.T. -0.000 min
 Lab File: BN026682.D
 Acq: 23 Jul 2023 18:21

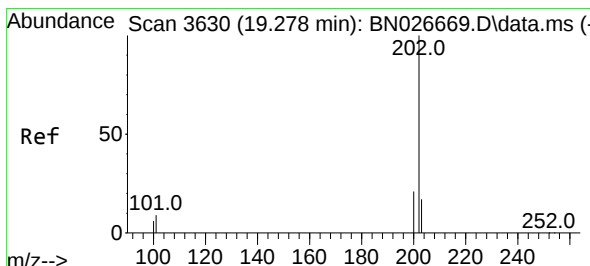
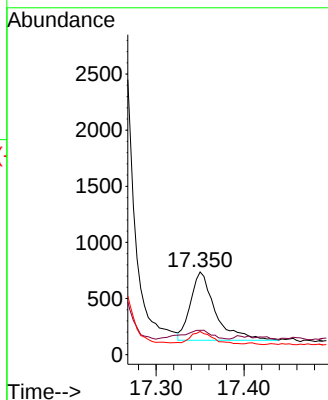
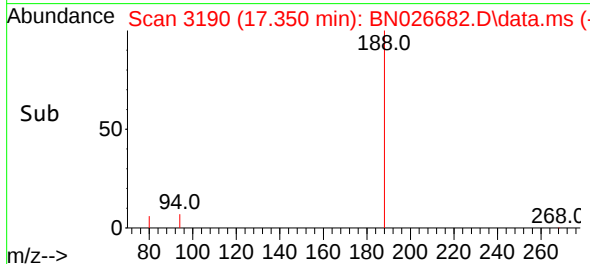
Instrument :
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 ClientSampleId :
 A46R2DL



Tgt Ion:178 Resp: 1192
 Ion Ratio Lower Upper
 178 100
 179 29.5 14.8 22.2
 176 28.0 16.6 25.0

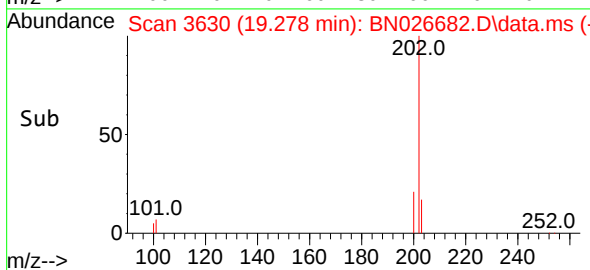
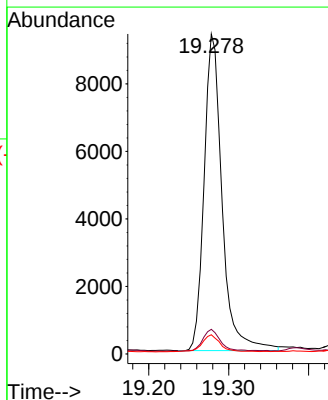
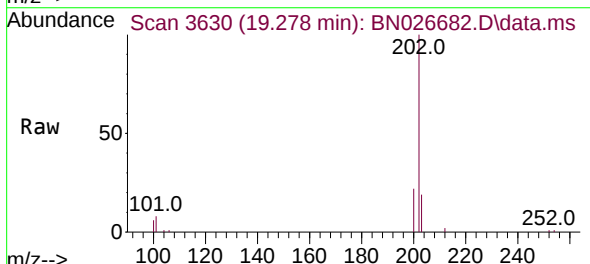
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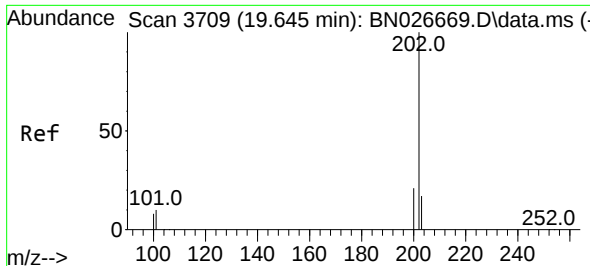
Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023



#19
 Fluoranthene
 Concen: 0.333 ng/ul
 RT: 19.278 min Scan# 3630
 Delta R.T. -0.000 min
 Lab File: BN026682.D
 Acq: 23 Jul 2023 18:21

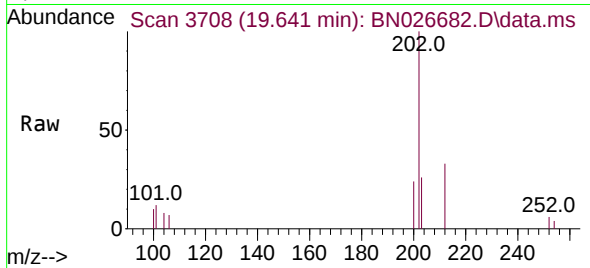
Tgt Ion:202 Resp: 14672
 Ion Ratio Lower Upper
 202 100
 101 7.7 7.0 10.4
 100 6.0 6.0 9.0





#20
Pyrene
Concen: 0.074 ng/ul
RT: 19.641 min Scan# 31
Delta R.T. -0.005 min
Lab File: BN026682.D
Acq: 23 Jul 2023 18:21

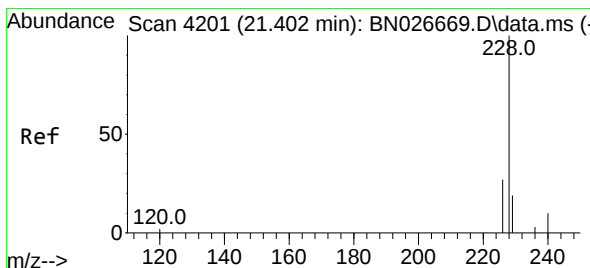
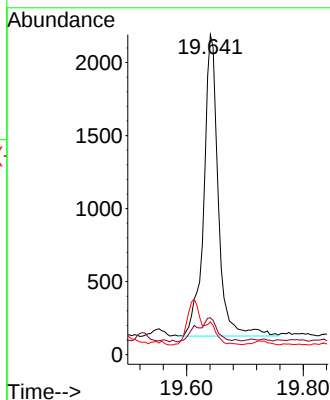
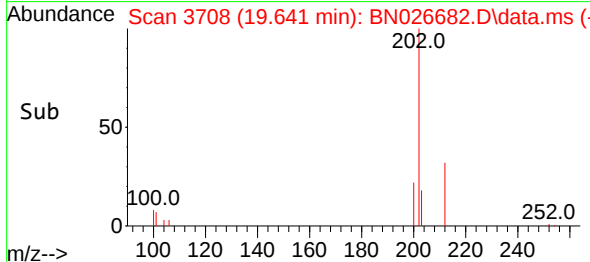
Instrument :
BNA_N
ClientSampleId :
A46R2DL



Tgt Ion:202 Resp: 3559
Ion Ratio Lower Upper
202 100
101 11.5 8.0 12.0
100 10.2 6.2 9.2

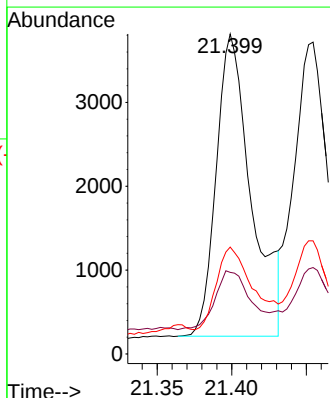
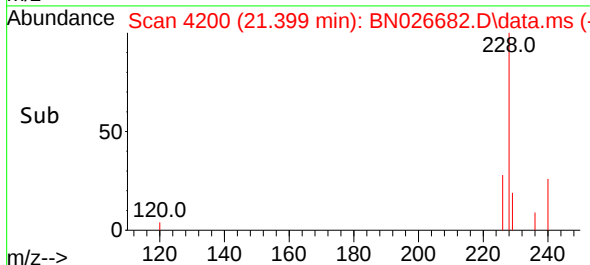
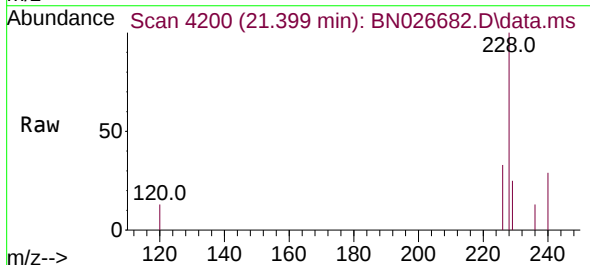
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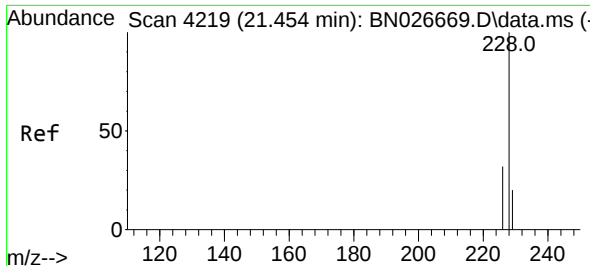
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#21
Benzo(a)anthracene
Concen: 0.170 ng/ul
RT: 21.399 min Scan# 4200
Delta R.T. -0.003 min
Lab File: BN026682.D
Acq: 23 Jul 2023 18:21

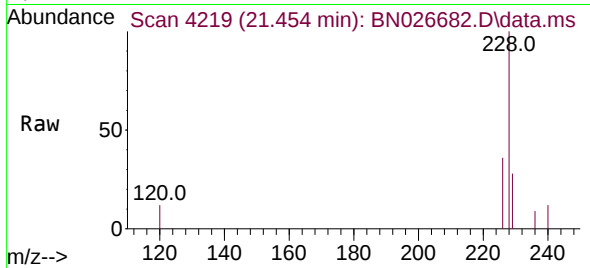
Tgt Ion:228 Resp: 5862
Ion Ratio Lower Upper
228 100
229 25.5 16.7 25.1#
226 33.4 23.5 35.3





#22
Chrysene
Concen: 0.143 ng/ul
RT: 21.454 min Scan# 4219
Delta R.T. -0.000 min
Lab File: BN026682.D
Acq: 23 Jul 2023 18:21

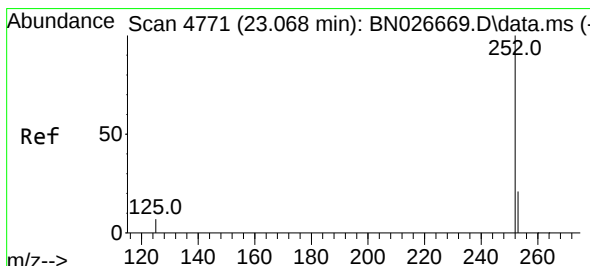
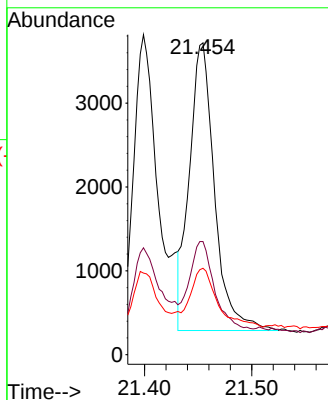
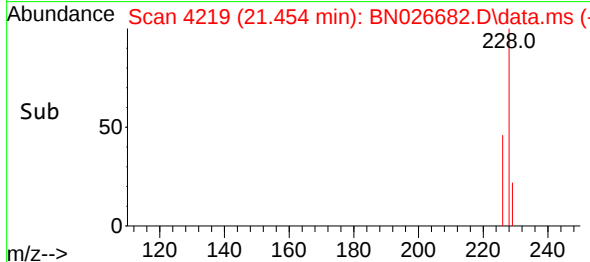
Instrument :
BNA_N
ClientSampleId :
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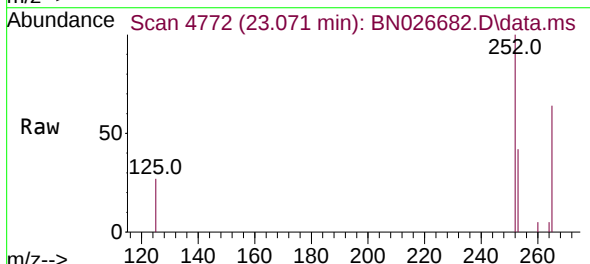
Tgt Ion:228 Resp: 5602
Ion Ratio Lower Upper
228 100
226 36.3 25.2 37.8
229 27.7 16.4 24.6

Manual Integrations
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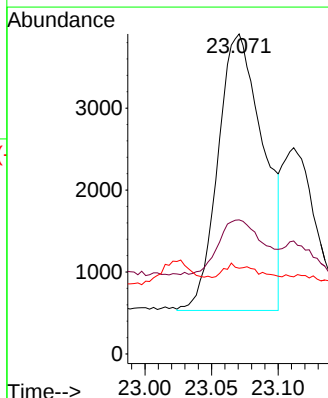
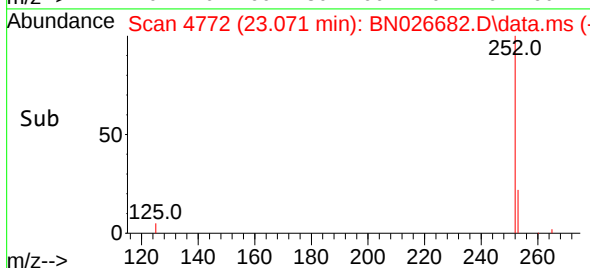
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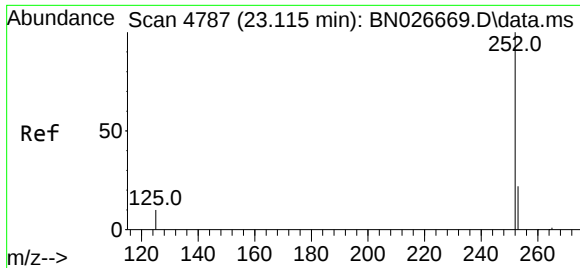


#24
Benzo(b)fluoranthene
Concen: 0.180 ng/ul m
RT: 23.071 min Scan# 4772
Delta R.T. 0.003 min
Lab File: BN026682.D
Acq: 23 Jul 2023 18:21



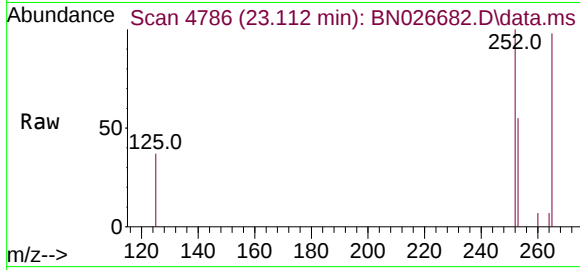
Tgt Ion:252 Resp: 7956
Ion Ratio Lower Upper
252 100
253 41.9 0.0 68.6
125 26.8 0.0 34.0





#25
Benzo(k)fluoranthene
Concen: 0.074 ng/ul m
RT: 23.112 min Scan# 4786
Delta R.T. -0.003 min
Lab File: BN026682.D
Acq: 23 Jul 2023 18:21

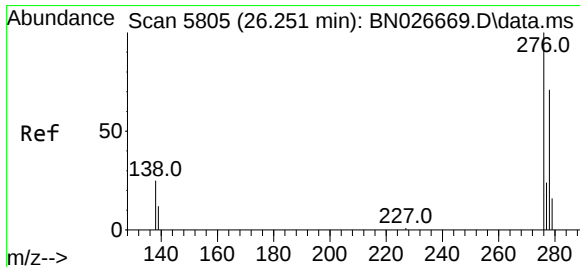
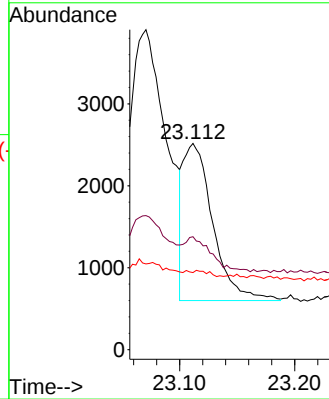
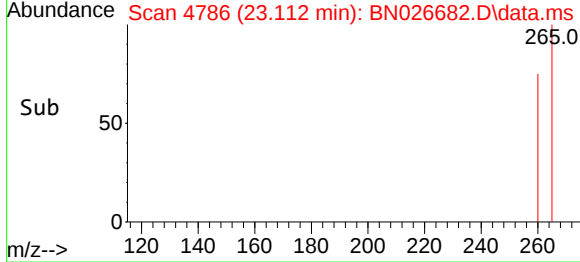
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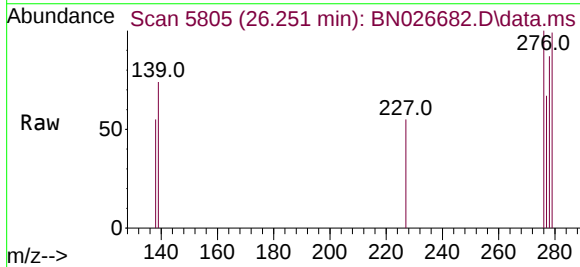
Tgt Ion:252 Resp: 3418
Ion Ratio Lower Upper
252 100
253 54.8 27.2 40.8#
125 37.4 13.4 20.2#

Manual Integrations
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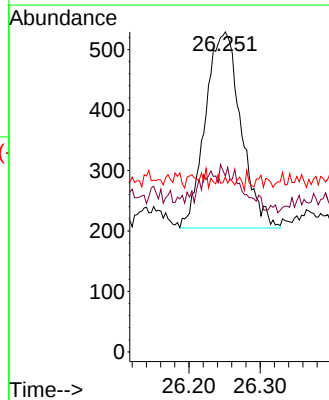
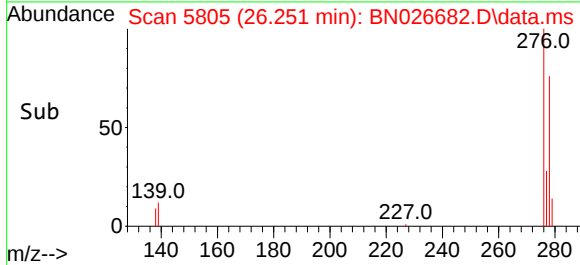
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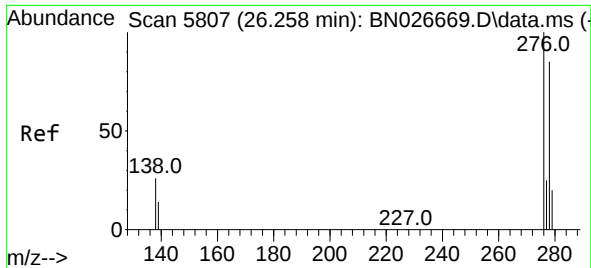


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.022 ng/ul
RT: 26.251 min Scan# 5805
Delta R.T. -0.000 min
Lab File: BN026682.D
Acq: 23 Jul 2023 18:21



Tgt Ion:276 Resp: 1128
Ion Ratio Lower Upper
276 100
138 0.0 22.2 33.4#
227 0.8 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.028 ng/ul

RT: 26.254 min Scan# 5806

Delta R.T. -0.003 min

Lab File: BN026682.D

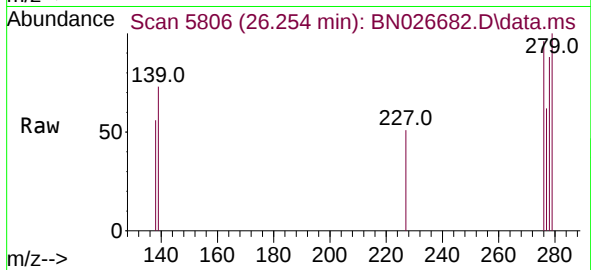
Acq: 23 Jul 2023 18:21

Instrument :

BNA_N

ClientSampleId :

A46R2DL



Tgt Ion:278 Resp: 112

Ion Ratio Lower Upper

278 100

139 83.3 18.9 28.3

279 113.5 31.3 46.9

Manual Integrations

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Supervised By :mohammad ahmed 07/24/2023

