

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN027072.D
 Acq On : 23 Aug 2023 21:33
 Operator : MA/JU
 Sample : 03968-32
 Misc :
 ALS Vial : 93 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48Q0

Quant Time: Aug 24 01:39:53 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 23 02:28:27 2023
 Response via : Initial Calibration

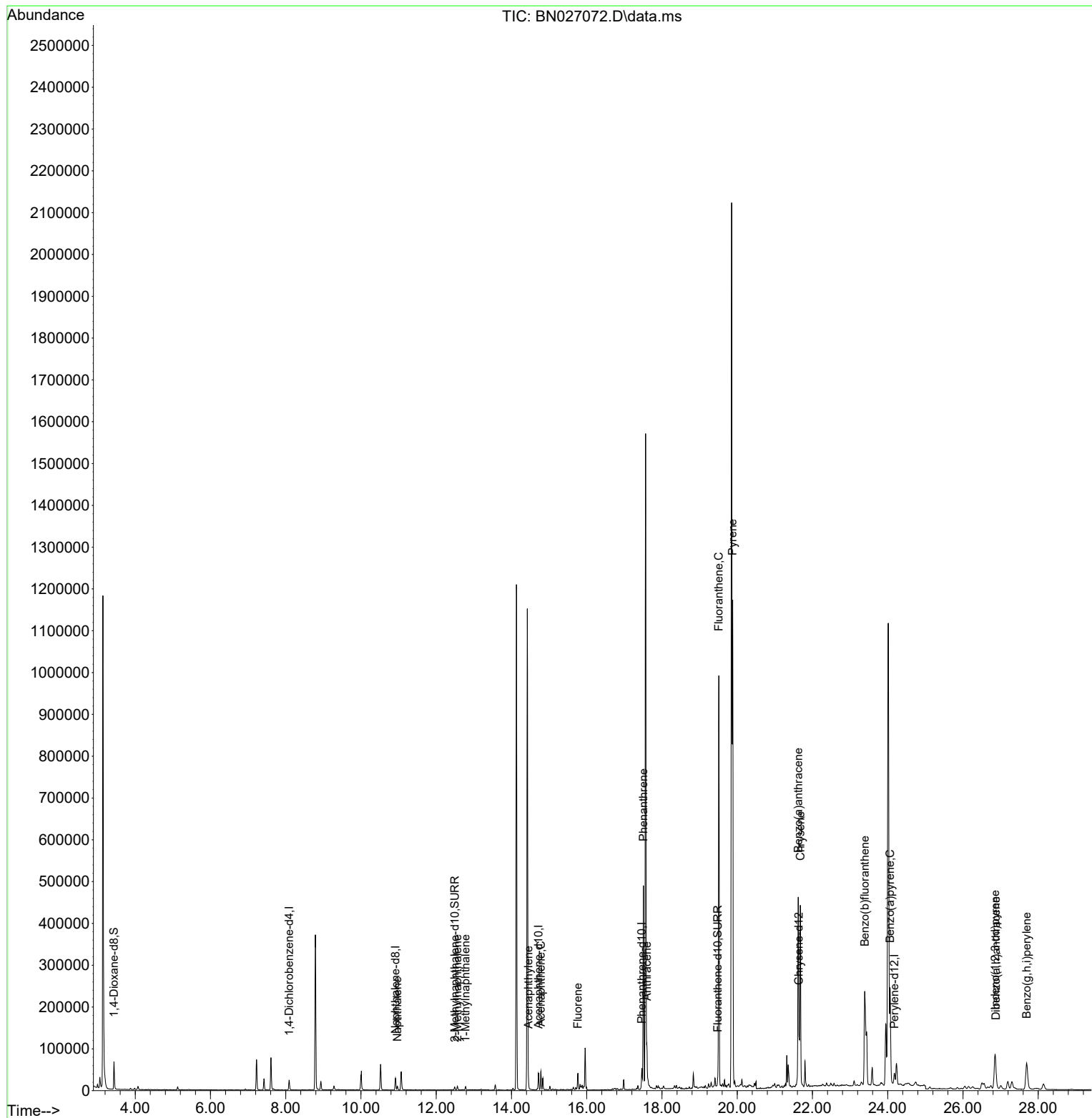
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.089	152	11487	0.400	ng/ul	0.00
4) Naphthalene-d8	10.916	136	38549	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.717	164	22710	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.464	188	62354	0.400	ng/ul	0.00
17) Chrysene-d12	21.638	240	42950	0.400	ng/ul	# 0.00
23) Perylene-d12	24.176	264	37968	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.435	96	43980	3.225	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.489	152	8951	0.158	ng/ul	0.00
18) Fluoranthene-d10	19.483	212	24196	0.178	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.966	128	12227	0.112	ng/ul	98
7) 2-Methylnaphthalene	12.561	142	6412	0.097	ng/ul	100
8) 1-Methylnaphthalene	12.781	142	5262	0.076	ng/ul	99
10) Acenaphthylene	14.448	152	22047	0.173	ng/ul	98
11) Acenaphthene	14.782	153	24797	0.282	ng/ul	99
12) Fluorene	15.762	166	24997	0.251	ng/ul	99
15) Phenanthrene	17.506	178	518541	2.531	ng/ul	100
16) Anthracene	17.599	178	104841	0.566	ng/ul	99
19) Fluoranthene	19.511	202	851076	4.771	ng/ul	98
20) Pyrene	19.878	202	947511	4.977	ng/ul	100
21) Benzo(a)anthracene	21.621	228	420484	2.462	ng/ul	99
22) Chrysene	21.676	228	438624	2.601	ng/ul	98
24) Benzo(b)fluoranthene	23.389	252	625763	4.357	ng/ul	100
26) Benzo(a)pyrene	24.062	252	337953	2.608	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.854	276	161334	0.952	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.874	278	39617	0.293	ng/ul#	90
29) Benzo(g,h,i)perylene	27.693	276	154339	1.093	ng/ul	100

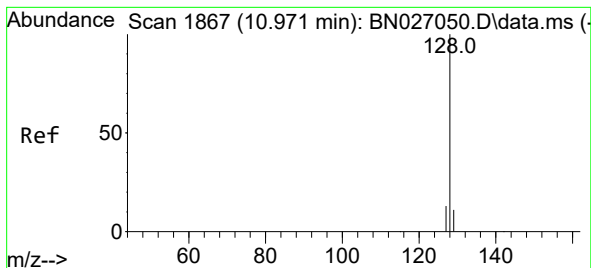
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.112 ng/ul

RT: 10.966 min Scan# 1866

Delta R.T. -0.005 min

Lab File: BN027072.D

Acq: 23 Aug 2023 21:33

Instrument :

BNA_N

ClientSampleId :

A48Q0

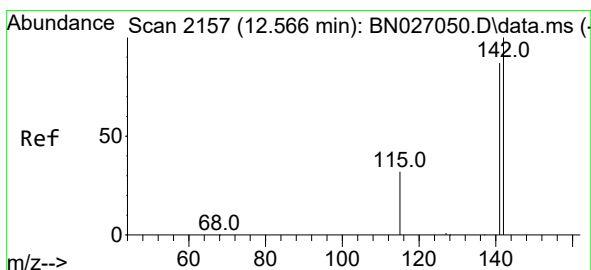
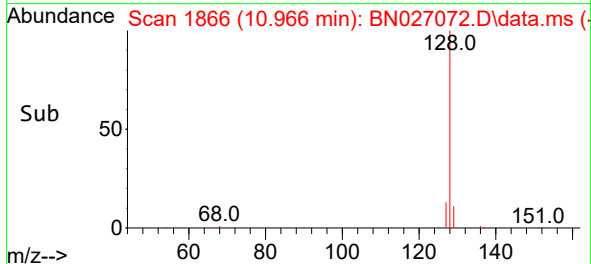
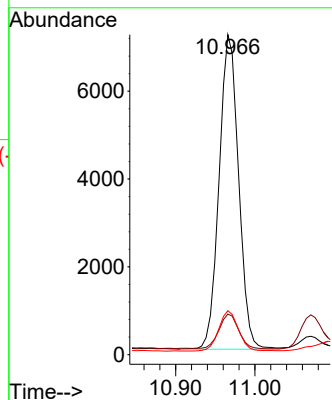
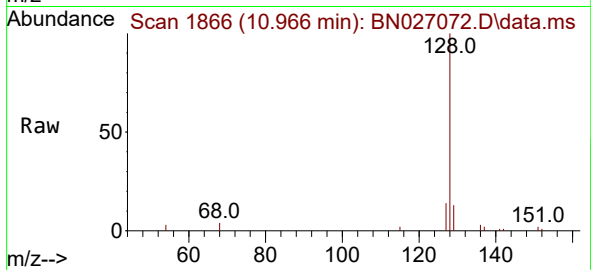
Tgt Ion:128 Resp: 12227

Ion Ratio Lower Upper

128 100

129 12.7 9.2 13.8

127 13.7 10.5 15.7



#7

2-Methylnaphthalene

Concen: 0.097 ng/ul

RT: 12.561 min Scan# 2156

Delta R.T. -0.006 min

Lab File: BN027072.D

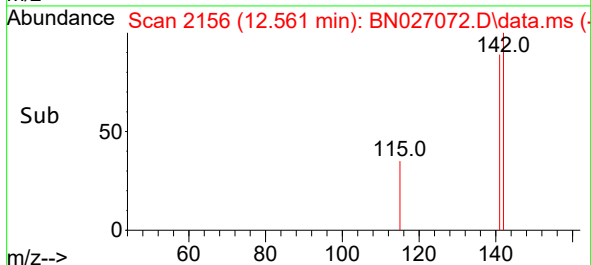
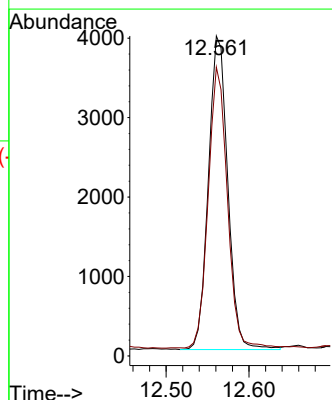
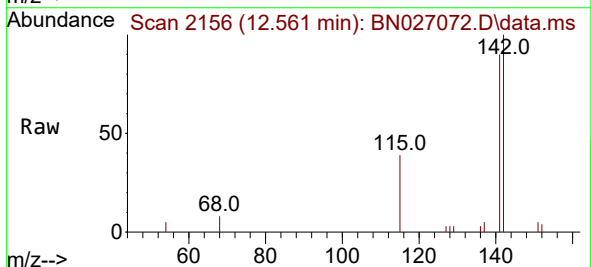
Acq: 23 Aug 2023 21:33

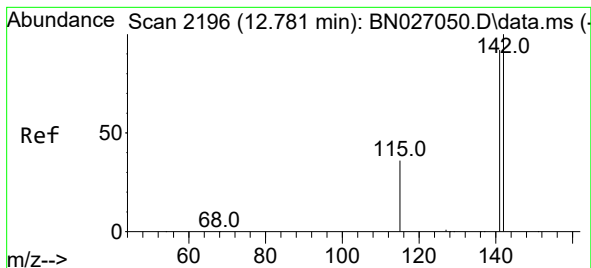
Tgt Ion:142 Resp: 6412

Ion Ratio Lower Upper

142 100

141 88.6 70.9 106.3





#8

1-Methylnaphthalene

Concen: 0.076 ng/ul

RT: 12.781 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BN027072.D

Acq: 23 Aug 2023 21:33

Instrument :

BNA_N

ClientSampleId :

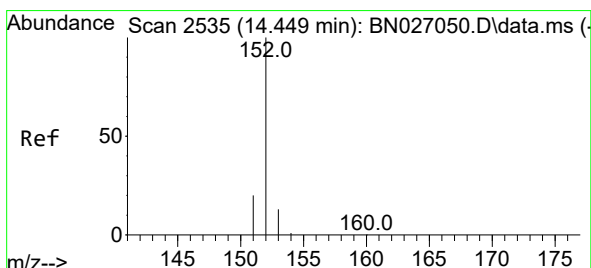
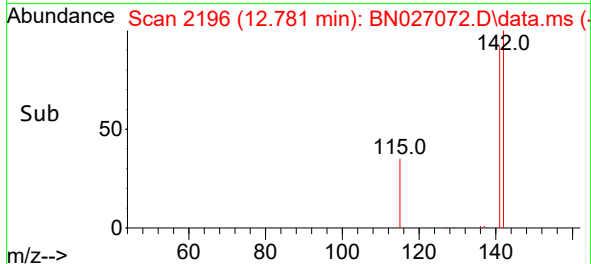
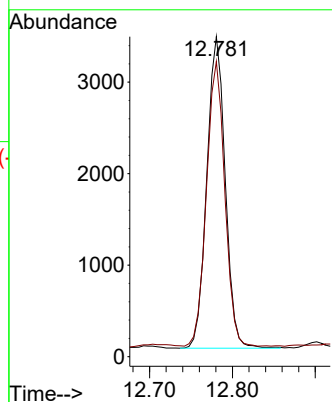
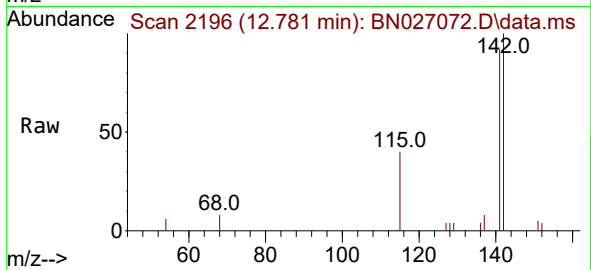
A48Q0

Tgt Ion:142 Resp: 5262

Ion Ratio Lower Upper

142 100

141 90.6 73.2 109.8



#10

Acenaphthylene

Concen: 0.173 ng/ul

RT: 14.448 min Scan# 2535

Delta R.T. -0.005 min

Lab File: BN027072.D

Acq: 23 Aug 2023 21:33

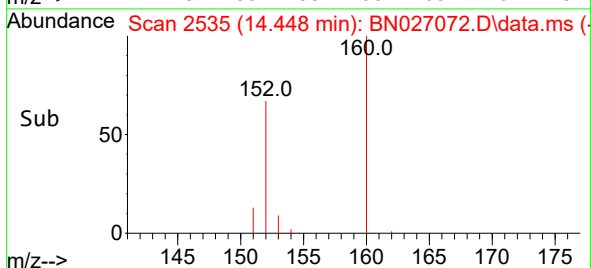
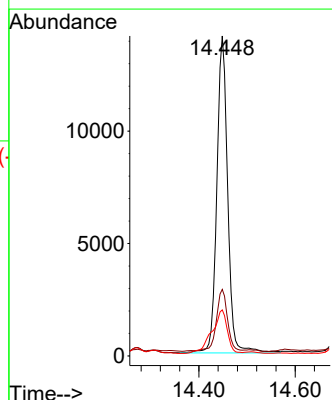
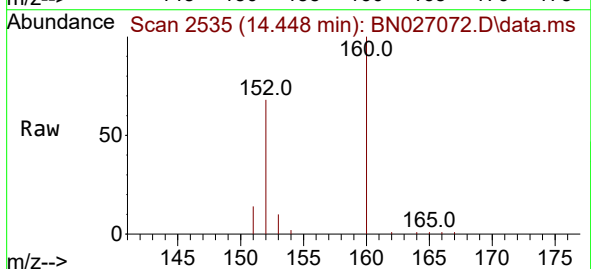
Tgt Ion:152 Resp: 22047

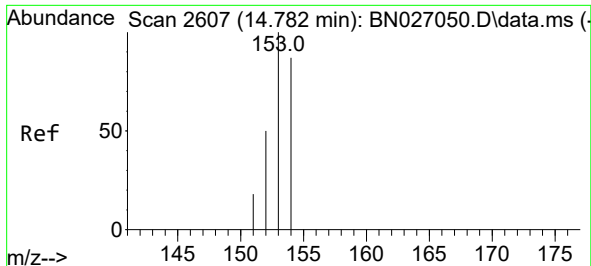
Ion Ratio Lower Upper

152 100

151 20.8 15.9 23.9

153 14.4 11.0 16.6

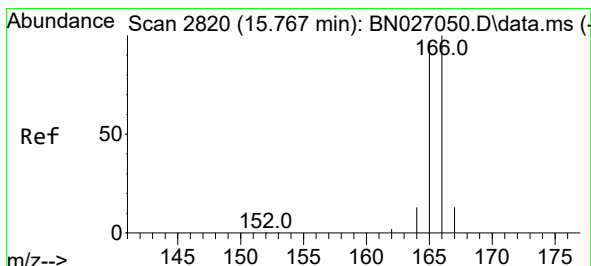
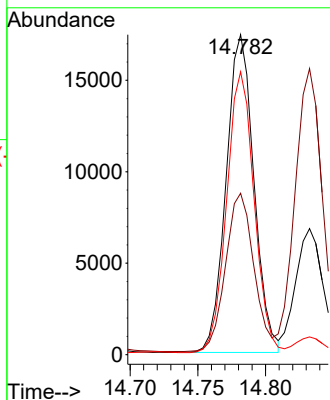
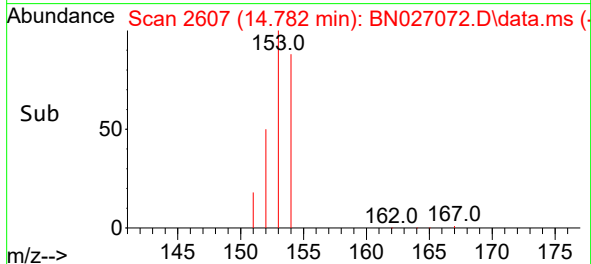
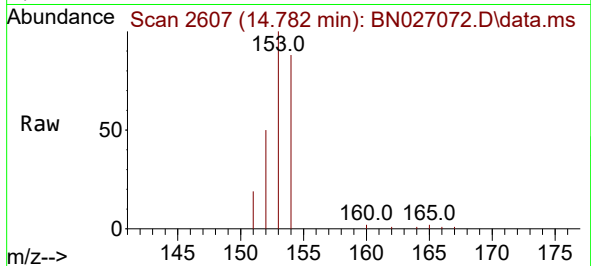




#11
Acenaphthene
Concen: 0.282 ng/ul
RT: 14.782 min Scan# 2119
Delta R.T. -0.005 min
Lab File: BN027072.D
Acq: 23 Aug 2023 21:33

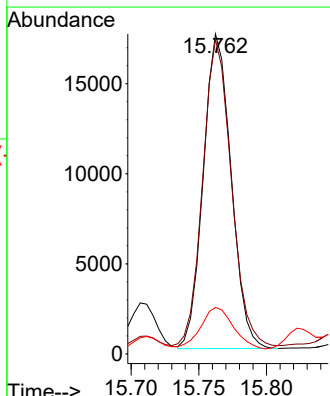
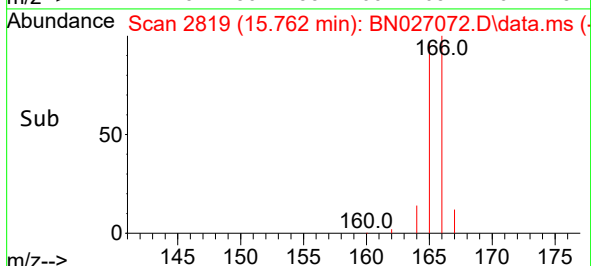
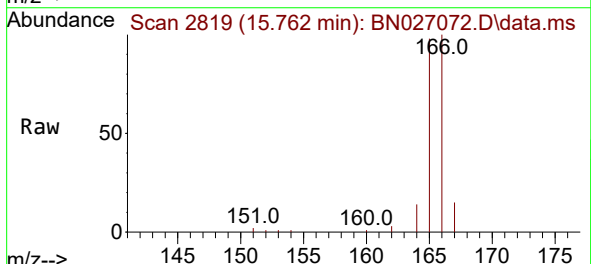
Instrument :
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ClientSampleId :
A48Q0

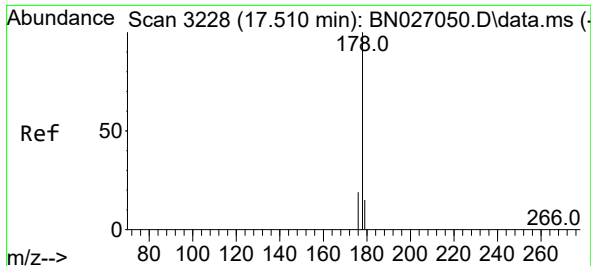
Tgt Ion:153 Resp: 24797
Ion Ratio Lower Upper
153 100
152 50.4 41.1 61.7
154 88.4 71.6 107.4



#12
Fluorene
Concen: 0.251 ng/ul
RT: 15.762 min Scan# 2819
Delta R.T. -0.005 min
Lab File: BN027072.D
Acq: 23 Aug 2023 21:33

Tgt Ion:166 Resp: 24997
Ion Ratio Lower Upper
166 100
165 98.3 79.1 118.7
167 14.5 11.4 17.0

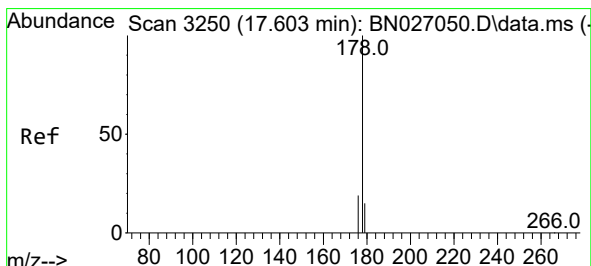
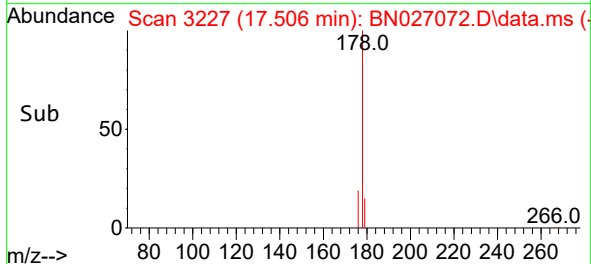
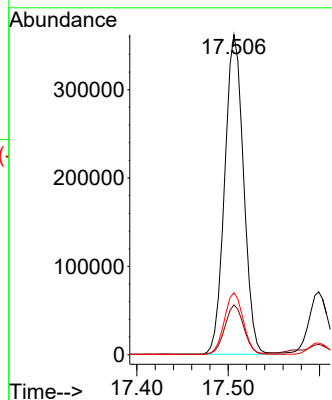
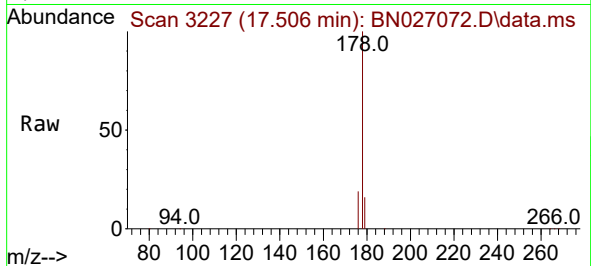




#15
Phenanthrene
Concen: 2.531 ng/ul
RT: 17.506 min Scan# 31
Delta R.T. -0.004 min
Lab File: BN027072.D
Acq: 23 Aug 2023 21:33

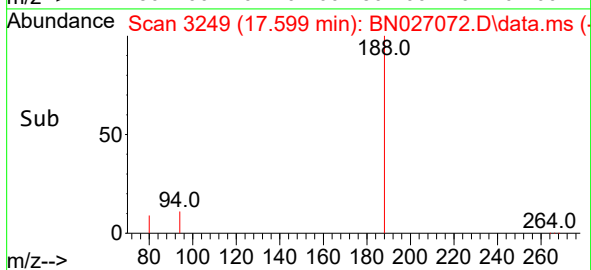
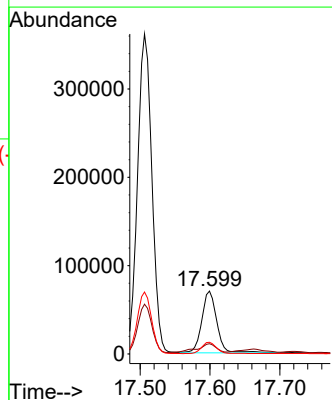
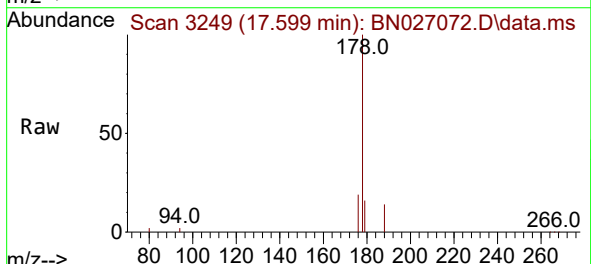
Instrument :
BNA_N
ClientSampleId :
A48Q0

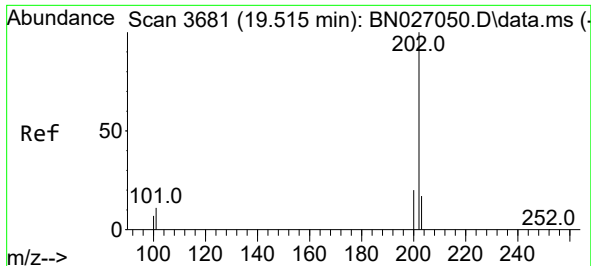
Tgt Ion:178 Resp: 518541
Ion Ratio Lower Upper
178 100
179 15.5 12.6 18.8
176 19.4 15.4 23.2



#16
Anthracene
Concen: 0.566 ng/ul
RT: 17.599 min Scan# 3249
Delta R.T. -0.004 min
Lab File: BN027072.D
Acq: 23 Aug 2023 21:33

Tgt Ion:178 Resp: 104841
Ion Ratio Lower Upper
178 100
179 16.2 12.6 19.0
176 18.7 15.0 22.6

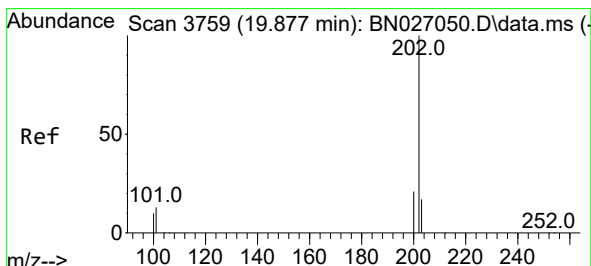
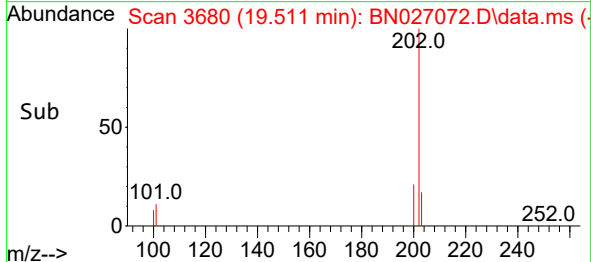
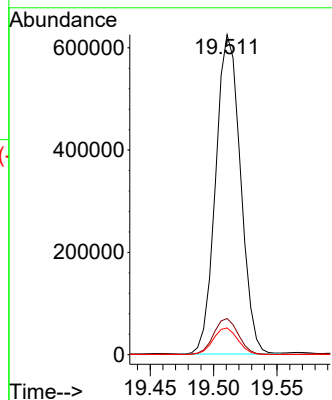
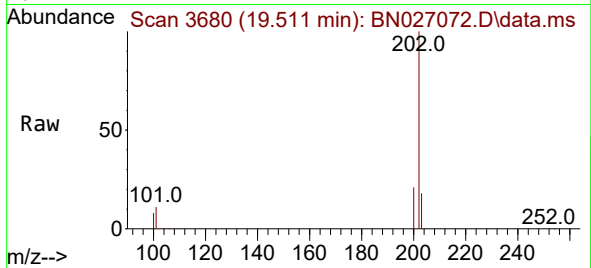




#19
Fluoranthene
Concen: 4.771 ng/ul
RT: 19.511 min Scan# 3681
Delta R.T. -0.005 min
Lab File: BN027072.D
Acq: 23 Aug 2023 21:33

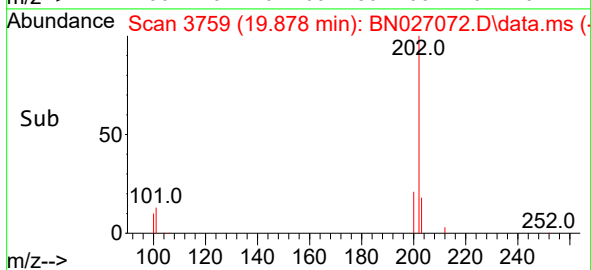
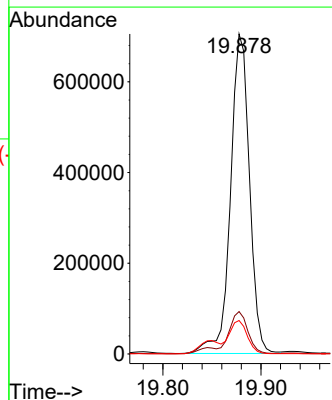
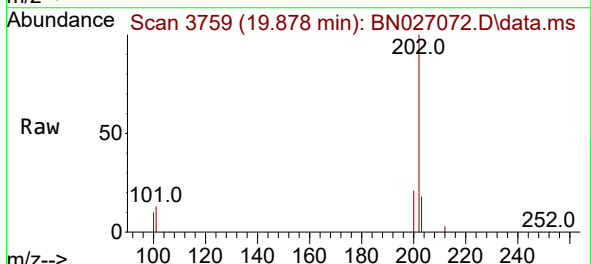
Instrument :
BNA_N
ClientSampleId :
A48Q0

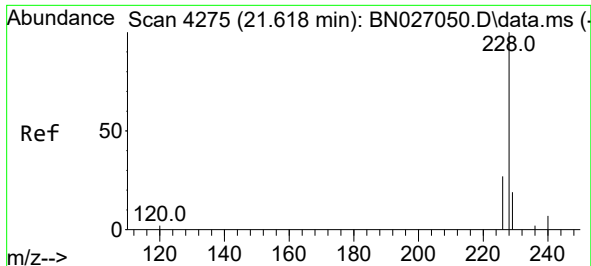
Tgt Ion:202 Resp: 851076
Ion Ratio Lower Upper
202 100
101 11.3 8.3 12.5
100 8.3 6.2 9.2



#20
Pyrene
Concen: 4.977 ng/ul
RT: 19.878 min Scan# 3759
Delta R.T. -0.005 min
Lab File: BN027072.D
Acq: 23 Aug 2023 21:33

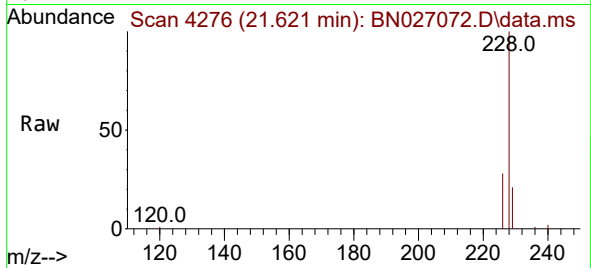
Tgt Ion:202 Resp: 947511
Ion Ratio Lower Upper
202 100
101 13.3 10.7 16.1
100 10.5 8.5 12.7



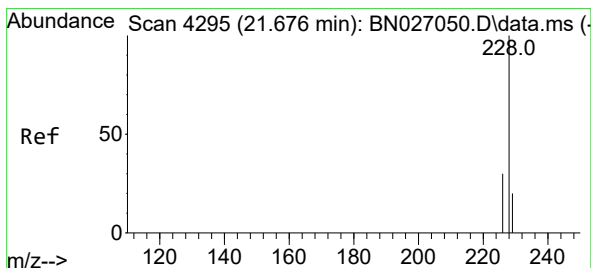
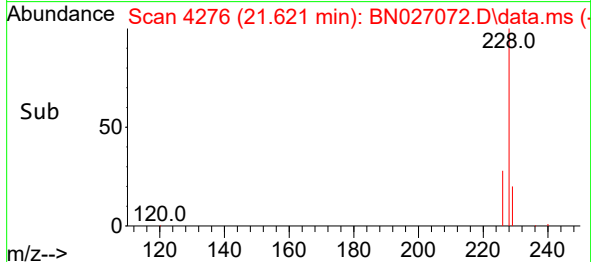
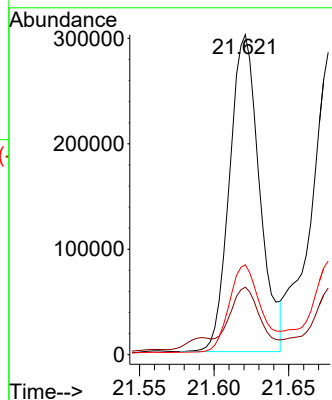


#21
Benzo(a)anthracene
Concen: 2.462 ng/ul
RT: 21.621 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN027072.D
Acq: 23 Aug 2023 21:33

Instrument :
BNA_N
ClientSampleId :
A48Q0

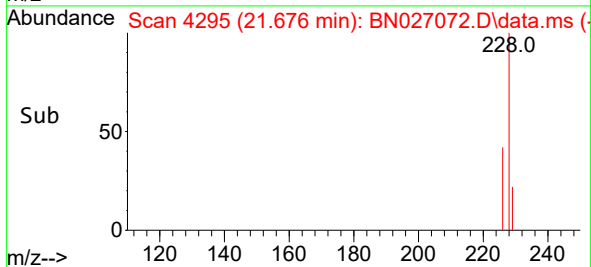
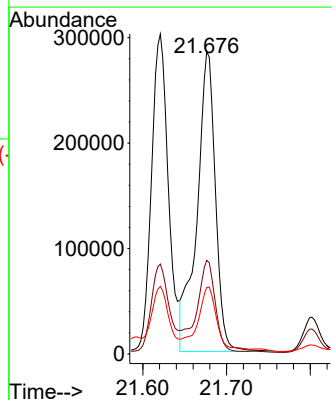
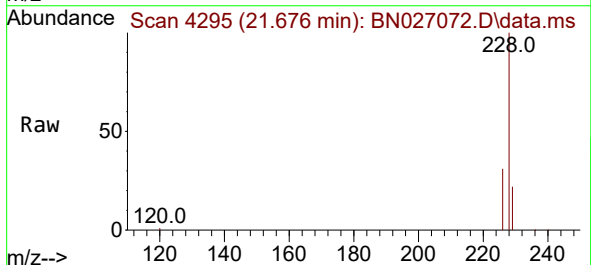


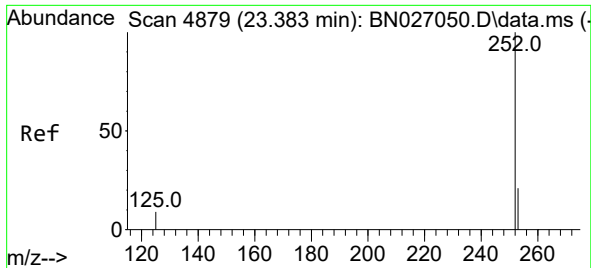
Tgt Ion:228 Resp: 420484
Ion Ratio Lower Upper
228 100
229 21.1 16.0 24.0
226 28.1 22.2 33.2



#22
Chrysene
Concen: 2.601 ng/ul
RT: 21.676 min Scan# 4295
Delta R.T. -0.000 min
Lab File: BN027072.D
Acq: 23 Aug 2023 21:33

Tgt Ion:228 Resp: 438624
Ion Ratio Lower Upper
228 100
226 31.0 24.6 36.8
229 22.0 15.8 23.6

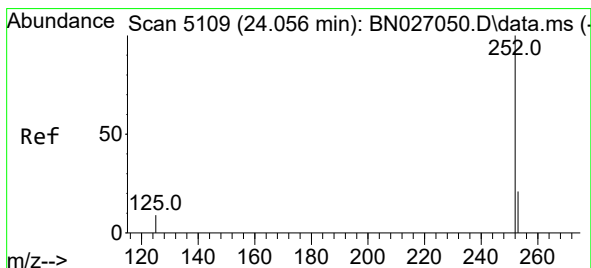
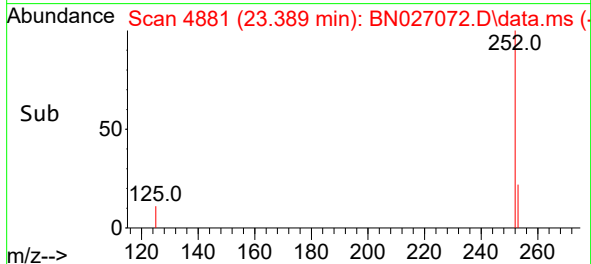
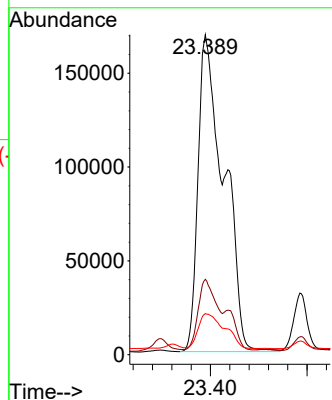
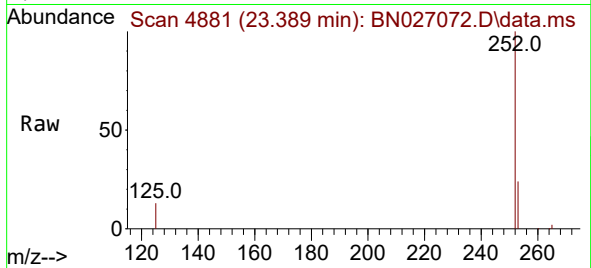




#24
Benzo(b)fluoranthene
Concen: 4.357 ng/ul
RT: 23.389 min Scan# 4879
Delta R.T. 0.003 min
Lab File: BN027072.D
Acq: 23 Aug 2023 21:33

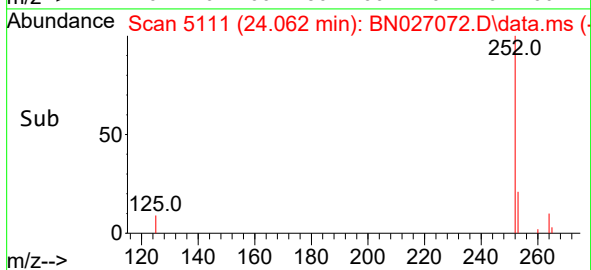
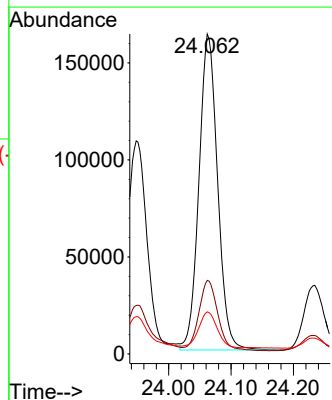
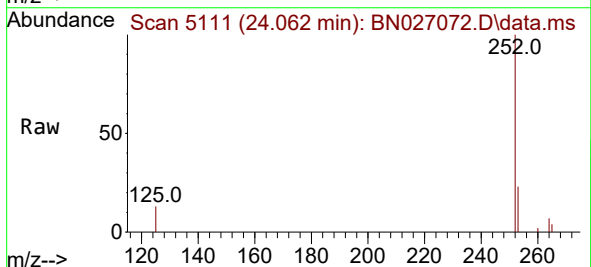
Instrument :
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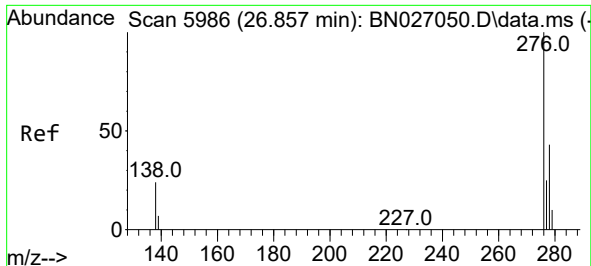
Tgt Ion:252 Resp: 625763
Ion Ratio Lower Upper
252 100
253 23.5 0.0 46.8
125 12.9 0.0 25.2



#26
Benzo(a)pyrene
Concen: 2.608 ng/ul
RT: 24.062 min Scan# 5111
Delta R.T. -0.000 min
Lab File: BN027072.D
Acq: 23 Aug 2023 21:33

Tgt Ion:252 Resp: 337953
Ion Ratio Lower Upper
252 100
253 23.0 19.0 28.6
125 13.1 11.4 17.0

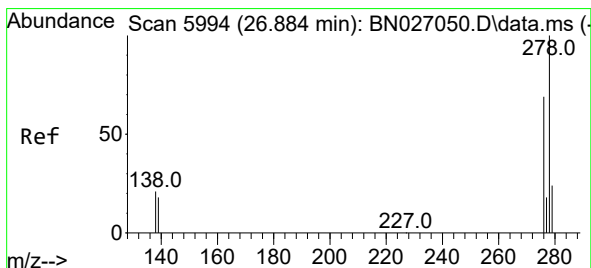
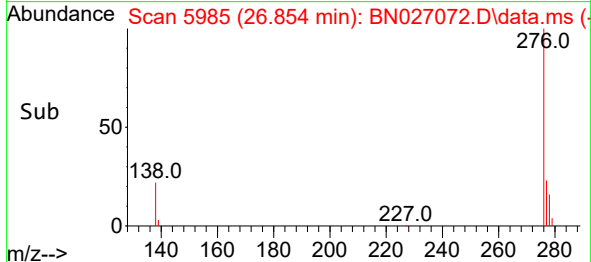
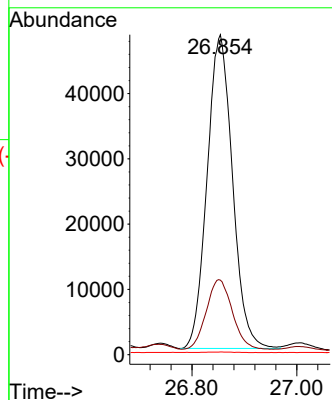
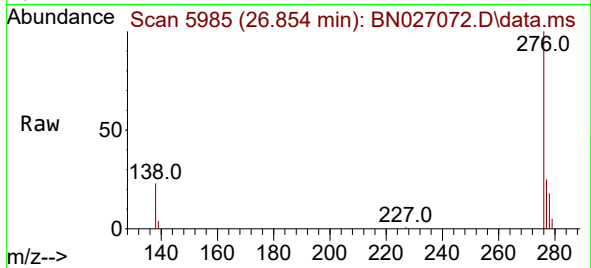




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.952 ng/ul
 RT: 26.854 min Scan# 5986
 Delta R.T. -0.000 min
 Lab File: BN027072.D
 Acq: 23 Aug 2023 21:33

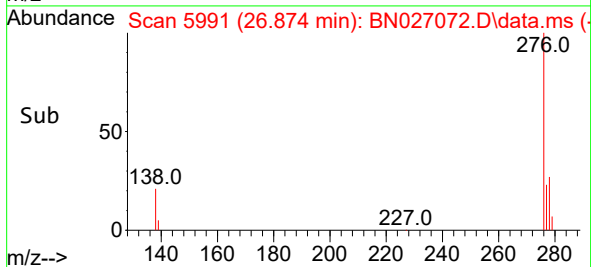
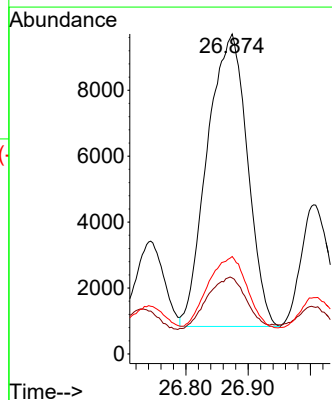
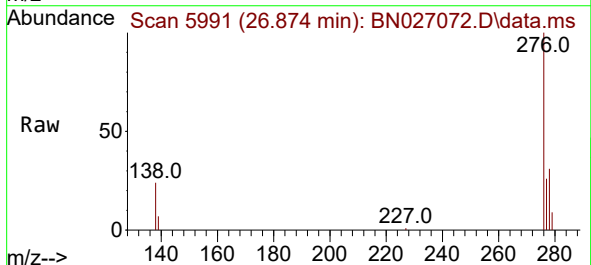
Instrument :
 BNA_N
 ClientSampleId :
 A48Q0

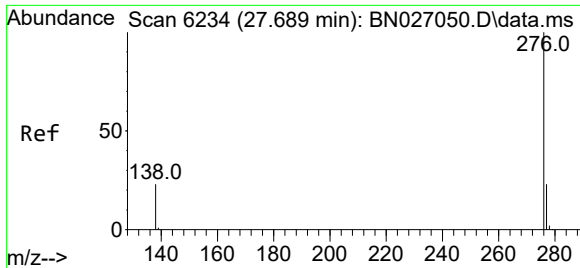
Tgt Ion:276 Resp: 161334
 Ion Ratio Lower Upper
 276 100
 138 22.6 21.6 32.4
 227 0.2 0.0 0.0#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.293 ng/ul
 RT: 26.874 min Scan# 5991
 Delta R.T. -0.010 min
 Lab File: BN027072.D
 Acq: 23 Aug 2023 21:33

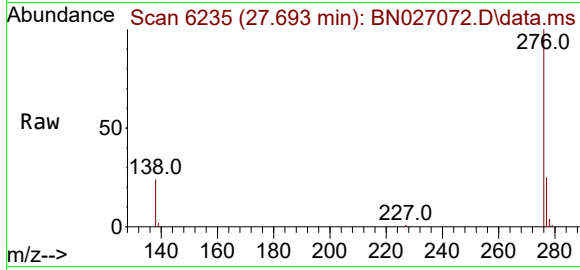
Tgt Ion:278 Resp: 39617
 Ion Ratio Lower Upper
 278 100
 139 23.8 15.7 23.5#
 279 30.4 20.2 30.4#





#29
Benzo(g,h,i)perylene
Concen: 1.093 ng/ul
RT: 27.693 min Scan# 61
Delta R.T. -0.003 min
Lab File: BN027072.D
Acq: 23 Aug 2023 21:33

Instrument :
BNA_N
ClientSampleId :
A48Q0



Tgt Ion:276 Resp: 154339
Ion Ratio Lower Upper
276 100
138 24.3 19.3 28.9
277 24.8 19.8 29.8

