

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN026988.D
 Acq On : 21 Aug 2023 12:10
 Operator : MA/JU
 Sample : 03965-12DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48K1DL

Quant Time: Aug 22 01:37:59 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 : Fri Aug 18 13:11:26 2023
 Response via : Initial Calibration

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

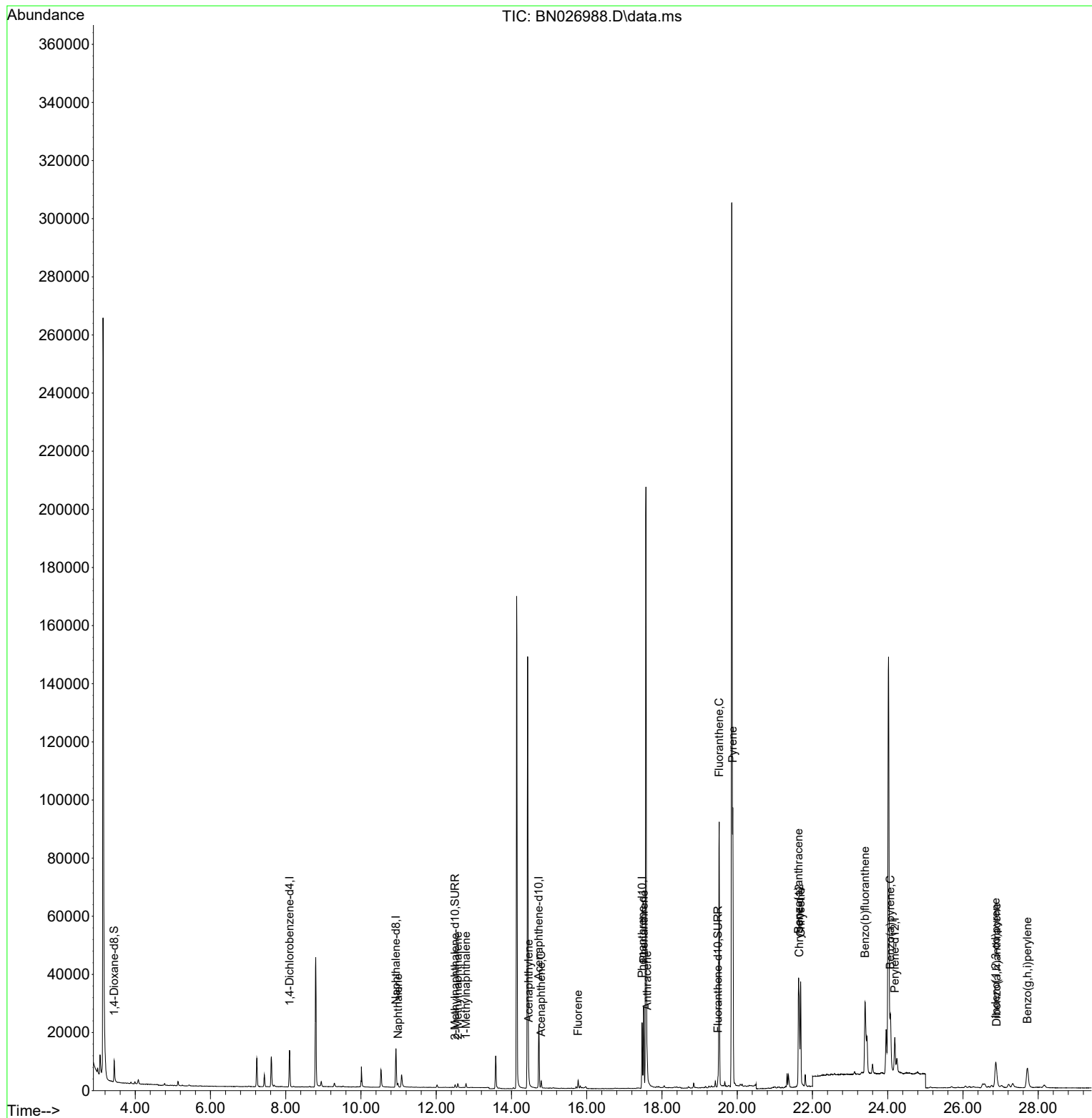
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.101	152	6336	0.400	ng/ul	0.00
4) Naphthalene-d8	10.927	136	19467	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.726	164	11971	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.472	188	26858	0.400	ng/ul	0.00
17) Chrysene-d12	21.647	240	20212	0.400	ng/ul	0.00
23) Perylene-d12	24.187	264	17170	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	5428	0.722	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	1323	0.046	ng/ul	0.00
18) Fluoranthene-d10	19.487	212	3329	0.052	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.982	128	1701	0.031	ng/ul#	84
7) 2-Methylnaphthalene	12.577	142	1033	0.031	ng/ul	98
8) 1-Methylnaphthalene	12.792	142	940	0.027	ng/ul	99
10) Acenaphthylene	14.458	152	3561	0.053	ng/ul	94
11) Acenaphthene	14.791	153	1402	0.030	ng/ul	98
12) Fluorene	15.772	166	1856	0.035	ng/ul#	98
15) Phenanthrene	17.514	178	30269	0.343	ng/ul	100
16) Anthracene	17.607	178	7522	0.094	ng/ul	96
19) Fluoranthene	19.520	202	78557	0.936	ng/ul	99
20) Pyrene	19.882	202	76766	0.857	ng/ul	99
21) Benzo(a)anthracene	21.629	228	33313	0.414	ng/ul	99
22) Chrysene	21.685	228	38483	0.485	ng/ul	98
24) Benzo(b)fluoranthene	23.398	252	65535	1.009	ng/ul	95
26) Benzo(a)pyrene	24.070	252	28238	0.482	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	26.871	276	18518	0.242	ng/ul#	93
28) Dibenzo(a,h)anthracene	26.897	278	4664	0.076	ng/ul#	71
29) Benzo(g,h,i)perylene	27.712	276	17448	0.273	ng/ul	97

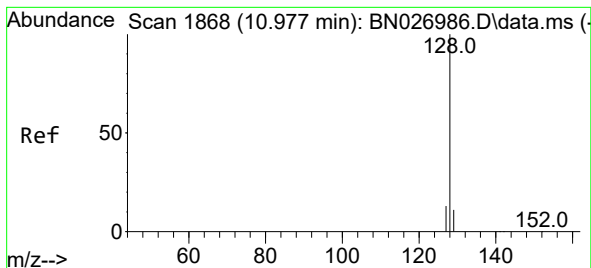
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.031 ng/ul

RT: 10.982 min Scan# 1869

Delta R.T. 0.000 min

Lab File: BN026988.D

Acq: 21 Aug 2023 12:10

Instrument :

BNA_N

ClientSampleId :

A48K1DL

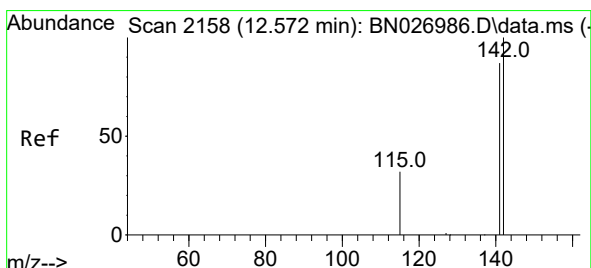
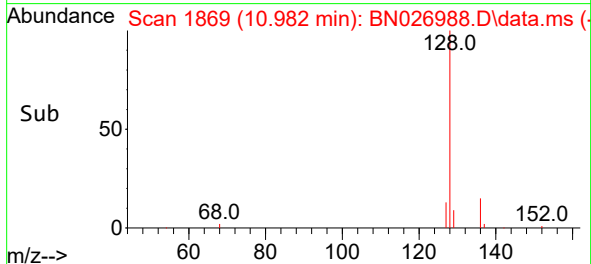
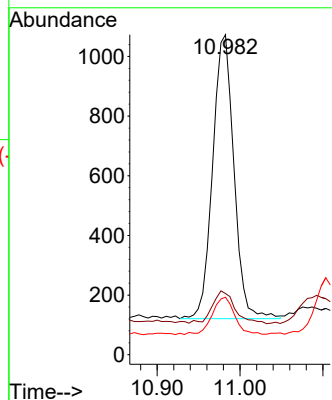
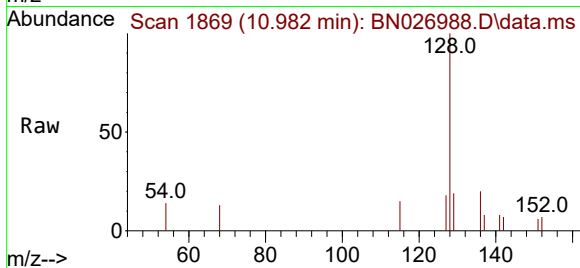
Tgt Ion:128 Resp: 1701

Ion Ratio Lower Upper

128 100

129 19.1 9.2 13.8#

127 18.0 10.5 15.7#



#7

2-Methylnaphthalene

Concen: 0.031 ng/ul

RT: 12.577 min Scan# 2159

Delta R.T. 0.000 min

Lab File: BN026988.D

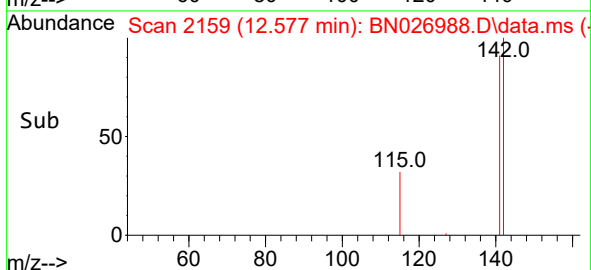
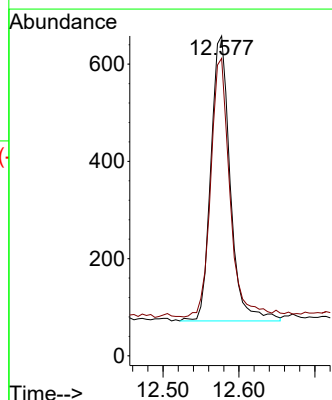
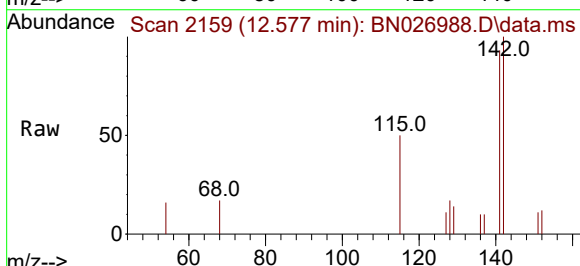
Acq: 21 Aug 2023 12:10

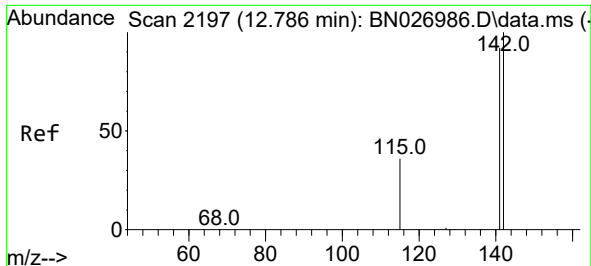
Tgt Ion:142 Resp: 1033

Ion Ratio Lower Upper

142 100

141 90.2 70.9 106.3

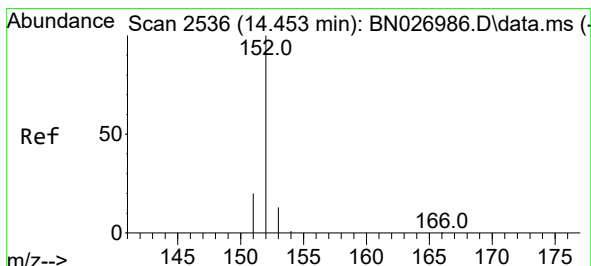
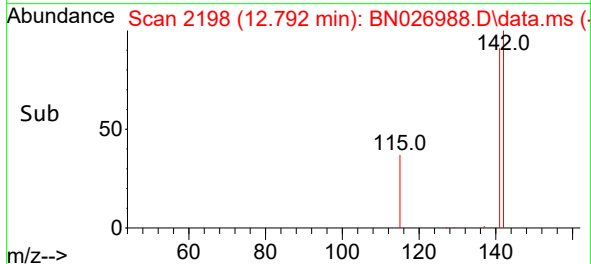
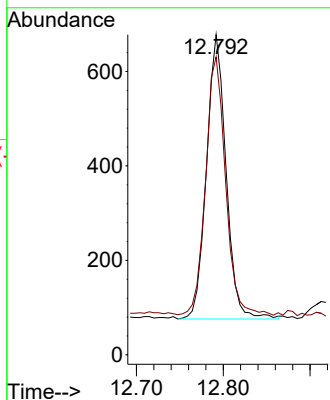
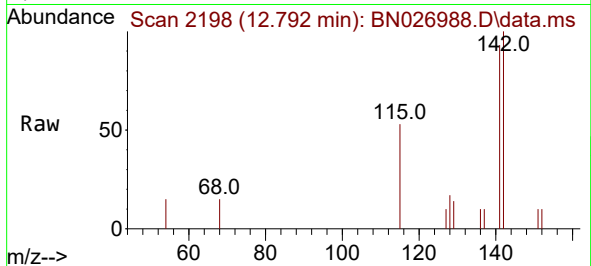




#8
1-Methylnaphthalene
Concen: 0.027 ng/ul
RT: 12.792 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BN026988.D
Acq: 21 Aug 2023 12:10

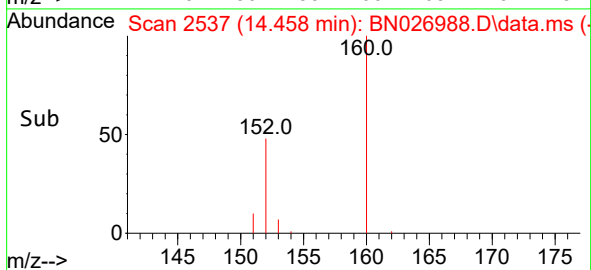
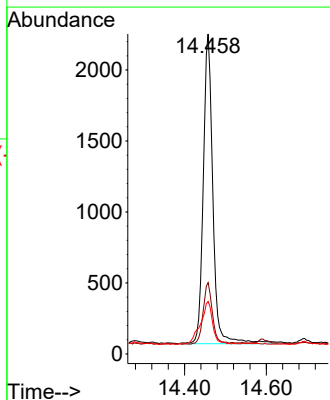
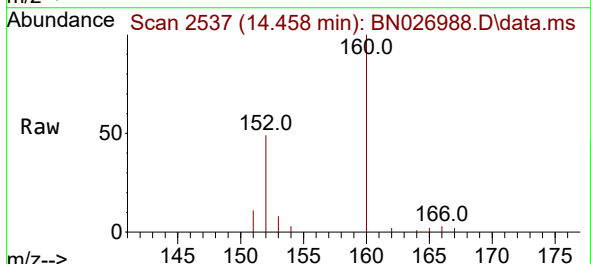
Instrument :
BNA_N
ClientSampleId :
A48K1DL

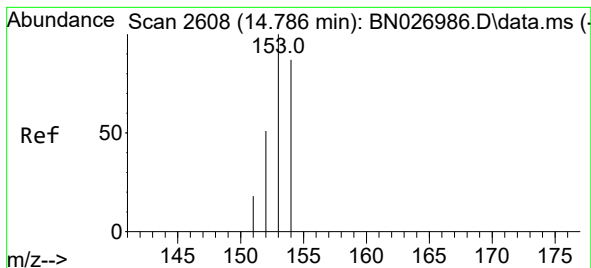
Tgt Ion:142 Resp: 940
Ion Ratio Lower Upper
142 100
141 92.7 73.2 109.8



#10
Acenaphthylene
Concen: 0.053 ng/ul
RT: 14.458 min Scan# 2537
Delta R.T. 0.000 min
Lab File: BN026988.D
Acq: 21 Aug 2023 12:10

Tgt Ion:152 Resp: 3561
Ion Ratio Lower Upper
152 100
151 22.3 15.9 23.9
153 16.4 11.0 16.6





#11

Acenaphthene

Concen: 0.030 ng/ul

RT: 14.791 min Scan# 2609

Delta R.T. 0.000 min

Lab File: BN026988.D

Acq: 21 Aug 2023 12:10

Instrument :

BNA_N

ClientSampleId :

A48K1DL

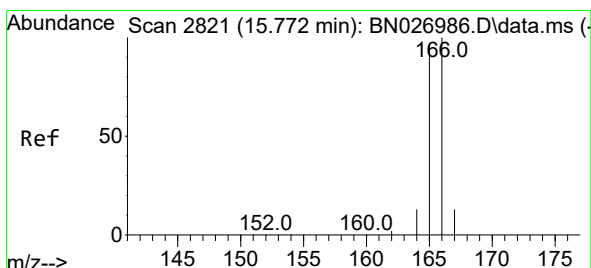
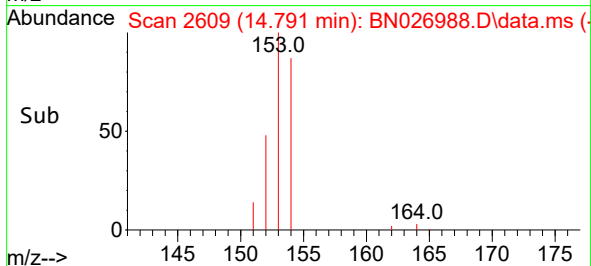
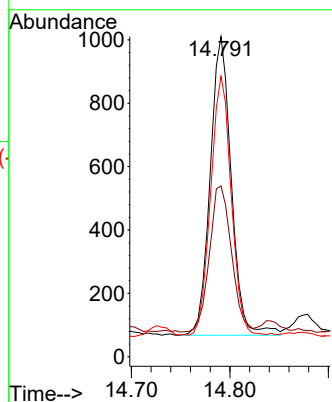
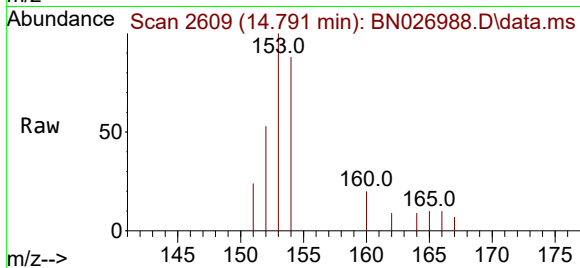
Tgt Ion:153 Resp: 1402

Ion Ratio Lower Upper

153 100

152 53.4 41.1 61.7

154 87.6 71.6 107.4



#12

Fluorene

Concen: 0.035 ng/ul

RT: 15.772 min Scan# 2821

Delta R.T. 0.000 min

Lab File: BN026988.D

Acq: 21 Aug 2023 12:10

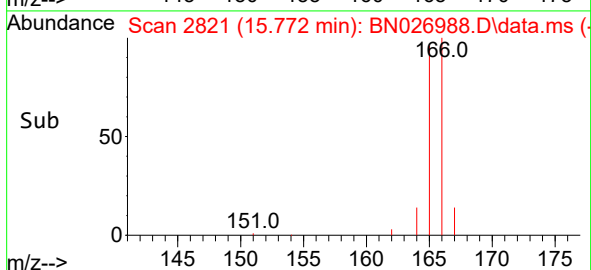
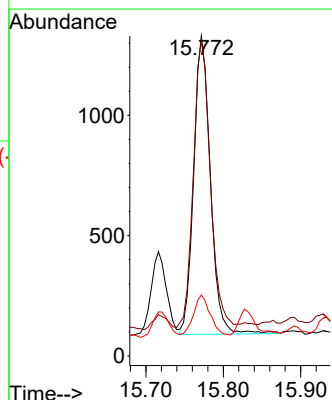
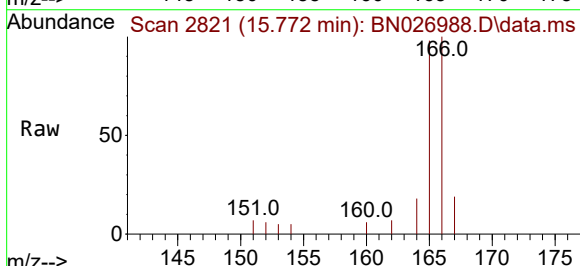
Tgt Ion:166 Resp: 1856

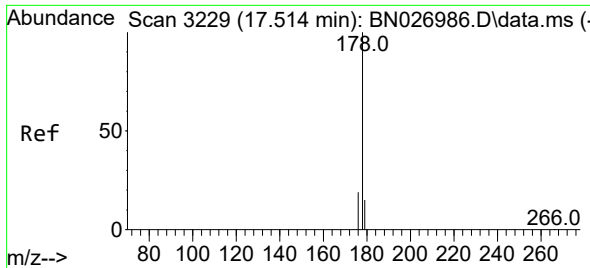
Ion Ratio Lower Upper

166 100

165 98.3 79.1 118.7

167 19.0 11.4 17.0#

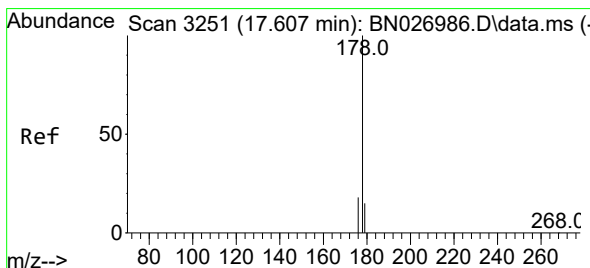
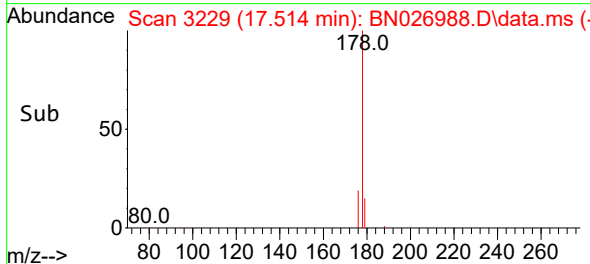
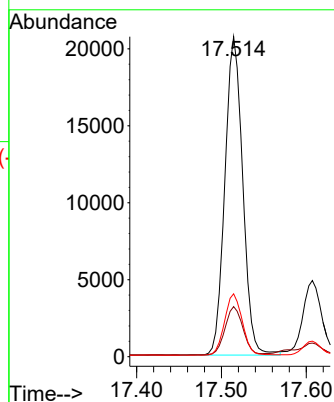
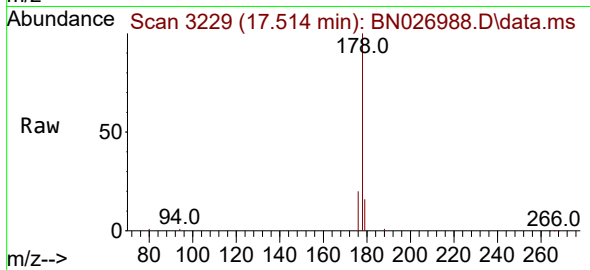




#15
Phenanthrene
Concen: 0.343 ng/ul
RT: 17.514 min Scan# 31
Delta R.T. -0.005 min
Lab File: BN026988.D
Acq: 21 Aug 2023 12:10

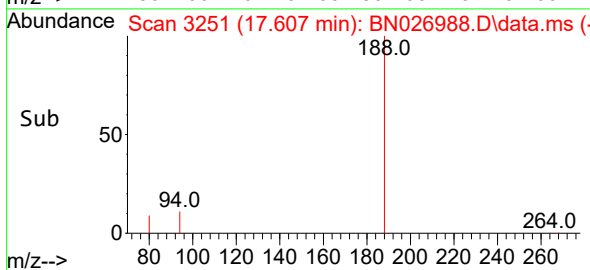
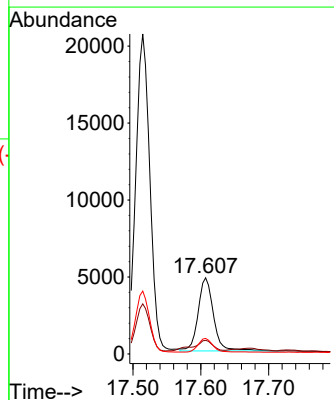
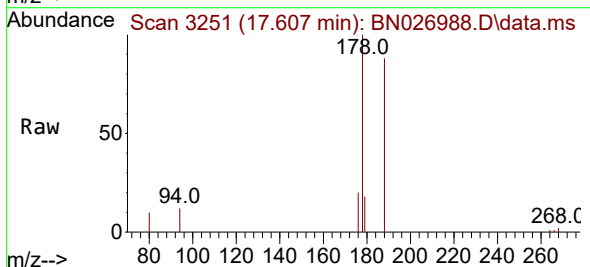
Instrument :
BNA_N
ClientSampleId :
A48K1DL

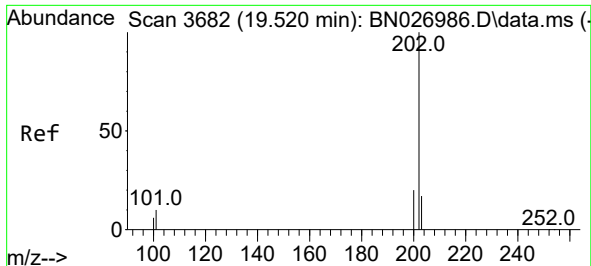
Tgt Ion:	178	Resp:	30269
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.6	18.8
176	19.6	15.4	23.2



#16
Anthracene
Concen: 0.094 ng/ul
RT: 17.607 min Scan# 3251
Delta R.T. -0.000 min
Lab File: BN026988.D
Acq: 21 Aug 2023 12:10

Tgt Ion:	178	Resp:	7522
Ion Ratio	Lower	Upper	
178	100		
179	17.8	12.6	19.0
176	20.4	15.0	22.6

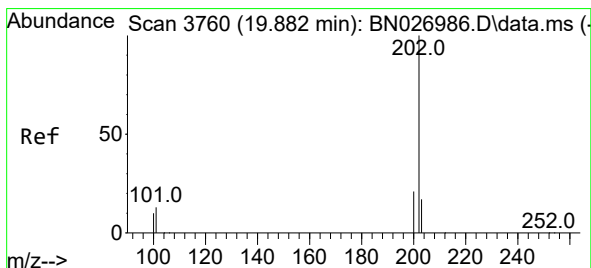
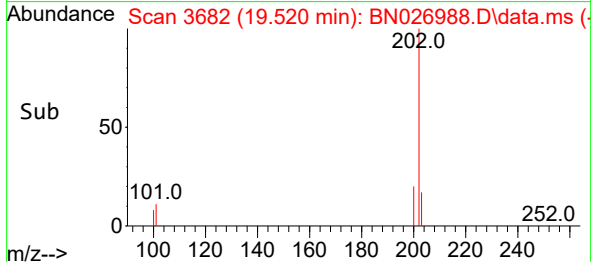
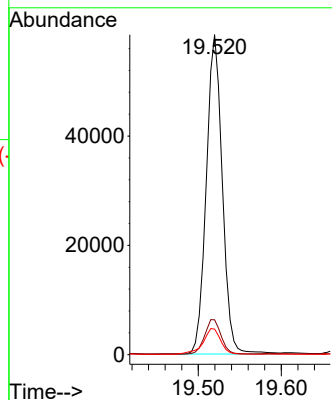
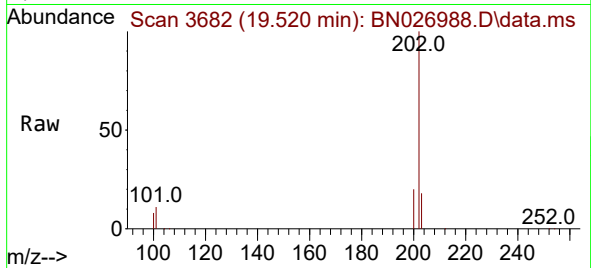




#19
Fluoranthene
Concen: 0.936 ng/ul
RT: 19.520 min Scan# 3682
Delta R.T. -0.005 min
Lab File: BN026988.D
Acq: 21 Aug 2023 12:10

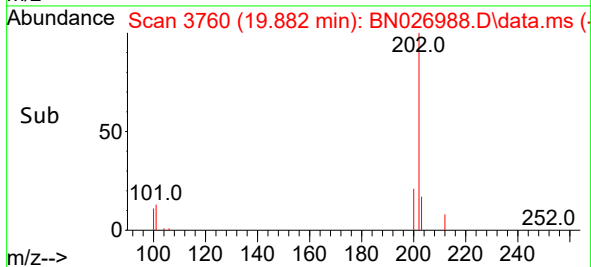
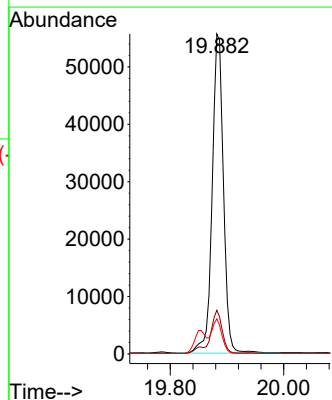
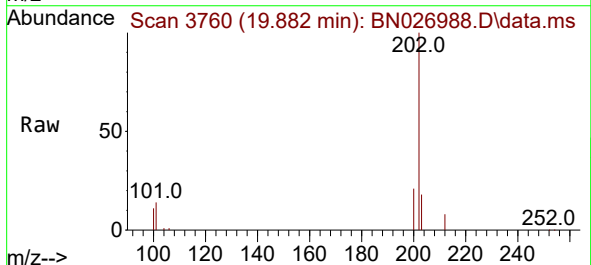
Instrument :
BNA_N
ClientSampleId :
A48K1DL

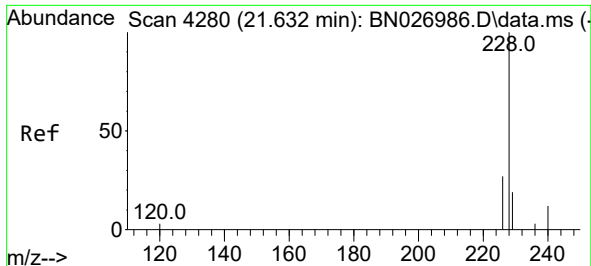
Tgt Ion:202 Resp: 78557
Ion Ratio Lower Upper
202 100
101 10.9 8.3 12.5
100 8.0 6.2 9.2



#20
Pyrene
Concen: 0.857 ng/ul
RT: 19.882 min Scan# 3760
Delta R.T. -0.005 min
Lab File: BN026988.D
Acq: 21 Aug 2023 12:10

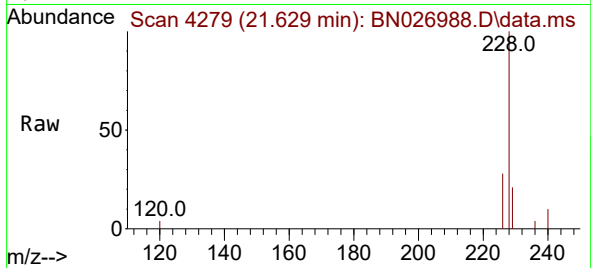
Tgt Ion:202 Resp: 76766
Ion Ratio Lower Upper
202 100
101 13.6 10.7 16.1
100 11.0 8.5 12.7



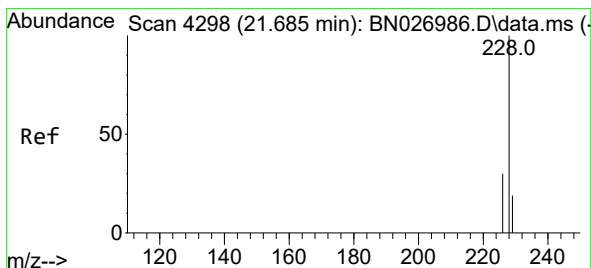
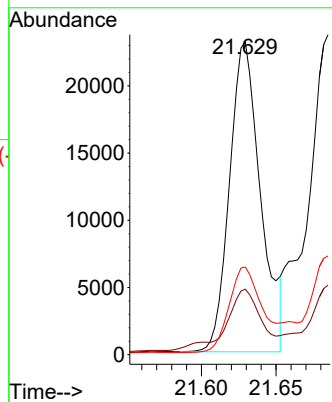
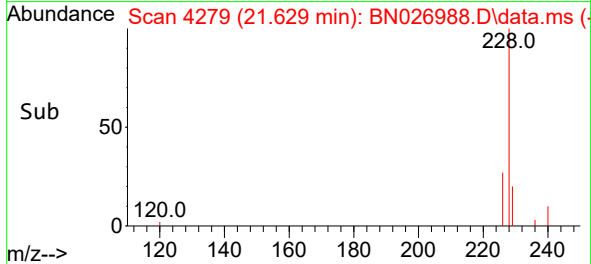


#21
Benzo(a)anthracene
Concen: 0.414 ng/ul
RT: 21.629 min Scan# 4279
Delta R.T. -0.003 min
Lab File: BN026988.D
Acq: 21 Aug 2023 12:10

Instrument :
BNA_N
ClientSampleId :
A48K1DL

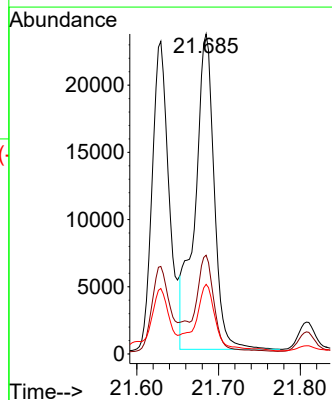
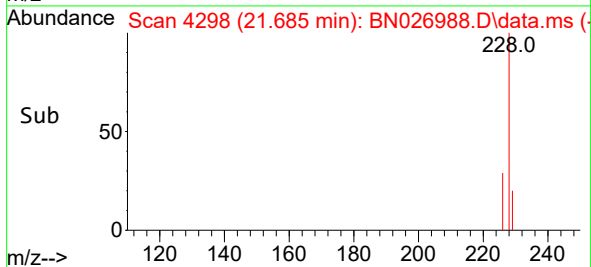
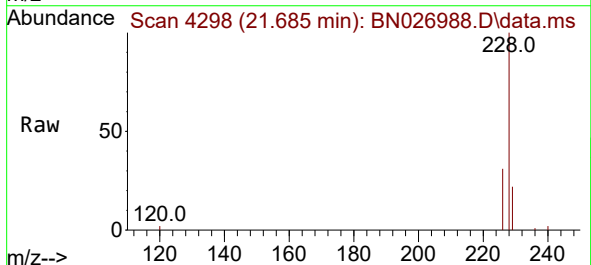


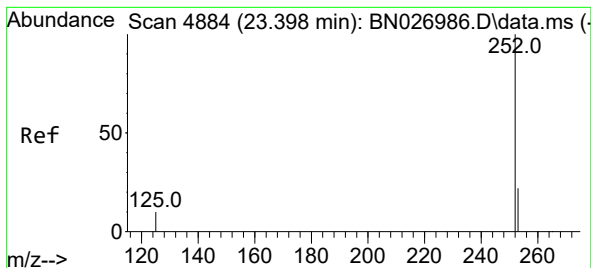
Tgt Ion:228 Resp: 33313
Ion Ratio Lower Upper
228 100
229 21.0 16.0 24.0
226 28.0 22.2 33.2



#22
Chrysene
Concen: 0.485 ng/ul
RT: 21.685 min Scan# 4298
Delta R.T. -0.006 min
Lab File: BN026988.D
Acq: 21 Aug 2023 12:10

Tgt Ion:228 Resp: 38483
Ion Ratio Lower Upper
228 100
226 30.9 24.6 36.8
229 21.7 15.8 23.6





#24

Benzo(b)fluoranthene

Concen: 1.009 ng/ul

RT: 23.398 min Scan# 4884

Delta R.T. -0.009 min

Lab File: BN026988.D

Acq: 21 Aug 2023 12:10

Instrument :

BNA_N

ClientSampleId :

A48K1DL

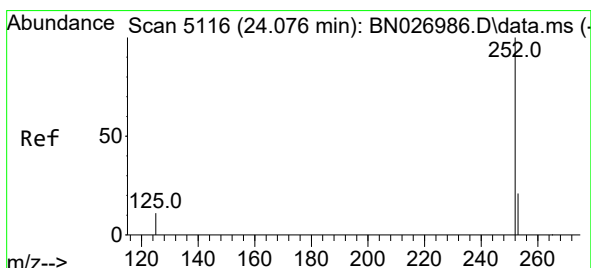
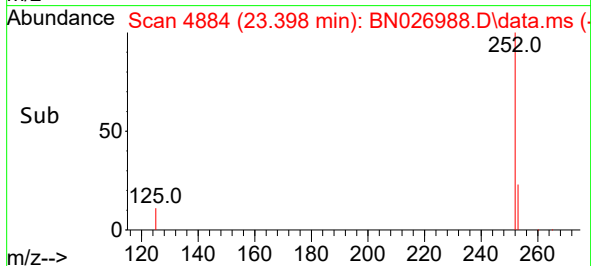
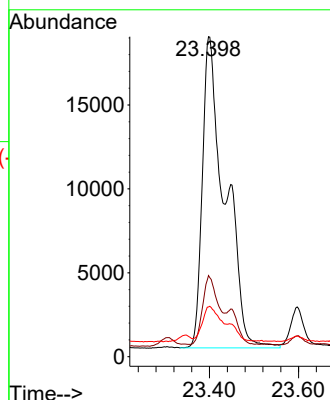
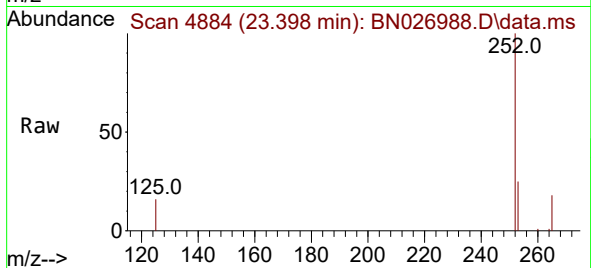
Tgt Ion:252 Resp: 65535

Ion Ratio Lower Upper

252 100

253 25.4 0.0 46.8

125 15.6 0.0 25.2



#26

Benzo(a)pyrene

Concen: 0.482 ng/ul

RT: 24.070 min Scan# 5114

Delta R.T. -0.015 min

Lab File: BN026988.D

Acq: 21 Aug 2023 12:10

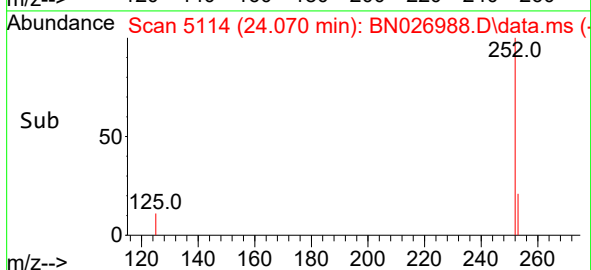
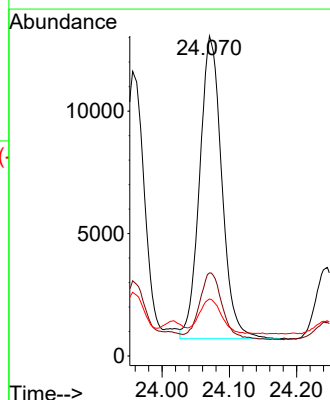
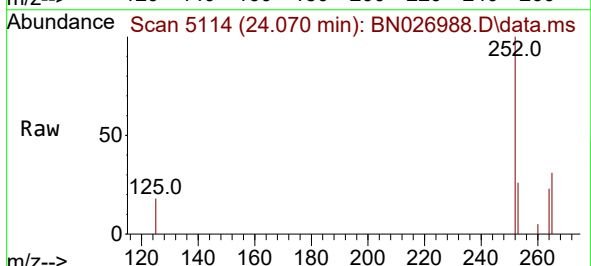
Tgt Ion:252 Resp: 28238

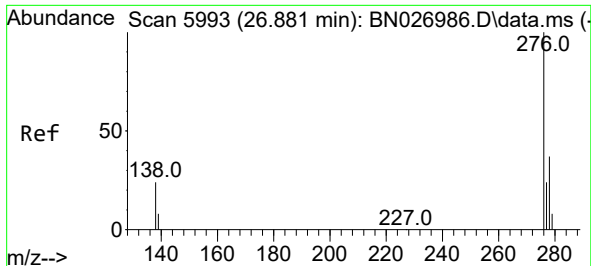
Ion Ratio Lower Upper

252 100

253 26.0 19.0 28.6

125 17.8 11.4 17.0#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.242 ng/ul

RT: 26.871 min Scan# 5993

Delta R.T. -0.014 min

Lab File: BN026988.D

Acq: 21 Aug 2023 12:10

Instrument :

BNA_N

ClientSampleId :

A48K1DL

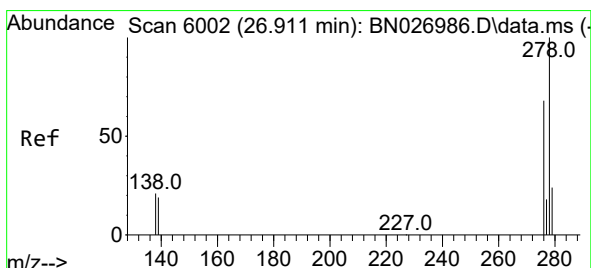
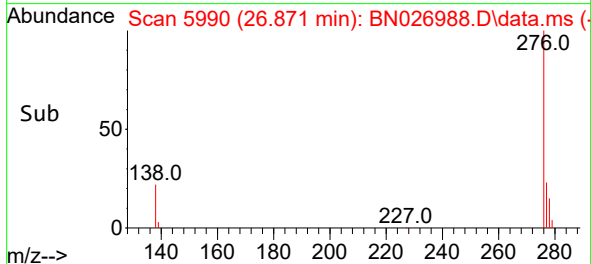
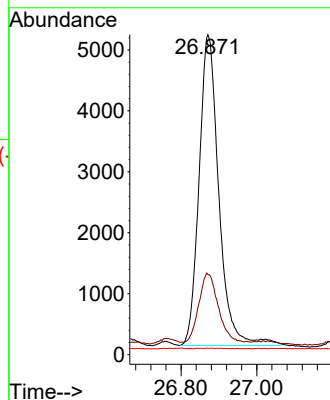
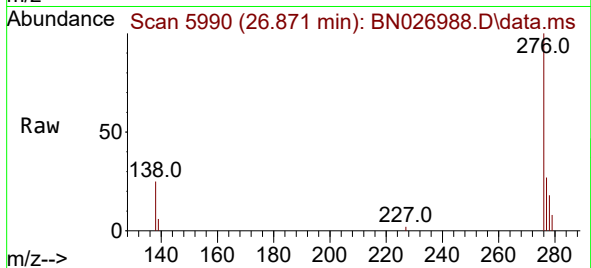
Tgt Ion:276 Resp: 18518

Ion Ratio Lower Upper

276 100

138 23.2 21.6 32.4

227 0.1 0.0 0.0#



#28

Dibenzo(a,h)anthracene

Concen: 0.076 ng/ul

RT: 26.897 min Scan# 5998

Delta R.T. -0.024 min

Lab File: BN026988.D

Acq: 21 Aug 2023 12:10

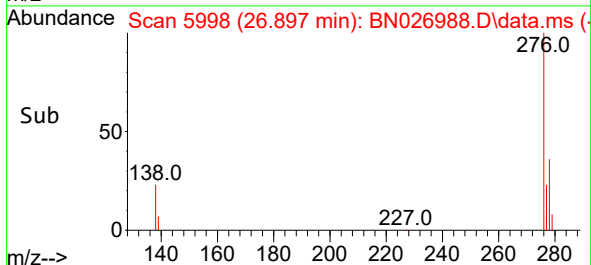
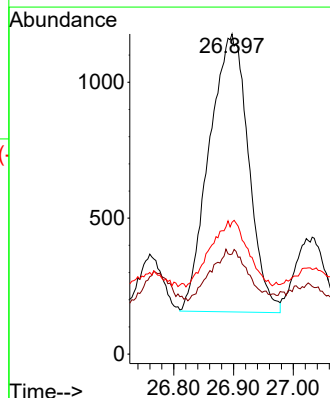
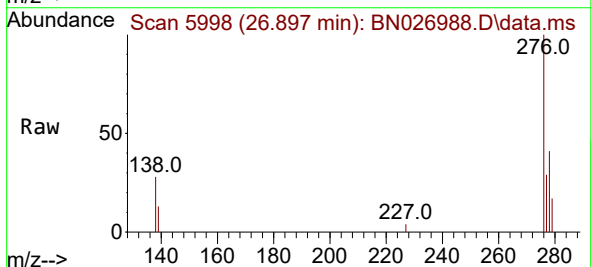
Tgt Ion:278 Resp: 4664

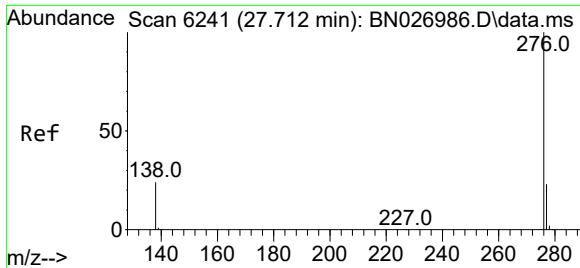
Ion Ratio Lower Upper

278 100

139 31.2 15.7 23.5#

279 41.2 20.2 30.4#





#29
 Benzo(g,h,i)perylene
 Concen: 0.273 ng/ul
 RT: 27.712 min Scan# 61
 Delta R.T. -0.011 min
 Lab File: BN026988.D
 Acq: 21 Aug 2023 12:10

Instrument :
 BNA_N
 ClientSampleId :
 A48K1DL

Tgt Ion:	276	Resp:	17448
Ion Ratio	Lower	Upper	
276	100		
138	26.0	19.3	28.9
277	25.9	19.8	29.8

