

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN026997.D
 Acq On : 21 Aug 2023 17:47
 Operator : MA/JU
 Sample : 03967-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48L8

Quant Time: Aug 22 01:39:31 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)

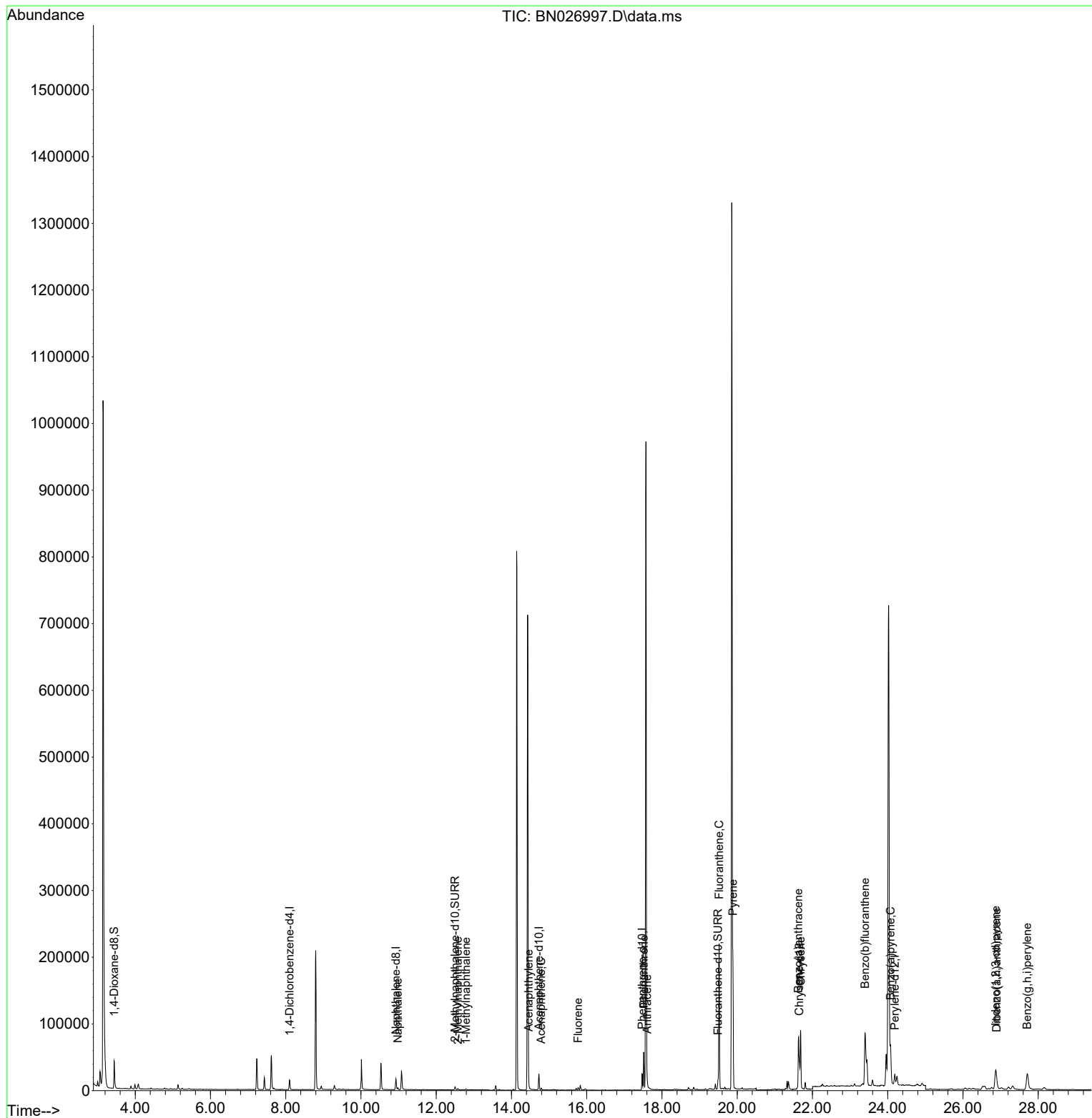
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.101	152	7089	0.400	ng/ul	0.00
4) Naphthalene-d8	10.927	136	22818	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.731	164	13051	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.472	188	28917	0.400	ng/ul	0.00
17) Chrysene-d12	21.647	240	23580	0.400	ng/ul	0.00
23) Perylene-d12	24.187	264	23608	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	29810	3.542	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	5976	0.178	ng/ul	0.00
18) Fluoranthene-d10	19.487	212	14582	0.196	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.977	128	4040	0.063	ng/ul#	92
7) 2-Methylnaphthalene	12.577	142	1365	0.035	ng/ul	98
8) 1-Methylnaphthalene	12.792	142	927	0.023	ng/ul	96
10) Acenaphthylene	14.458	152	5515	0.075	ng/ul	96
11) Acenaphthene	14.791	153	1663	0.033	ng/ul	97
12) Fluorene	15.772	166	2192	0.038	ng/ul#	97
15) Phenanthrene	17.514	178	60281	0.635	ng/ul	99
16) Anthracene	17.607	178	8473	0.099	ng/ul	95
19) Fluoranthene	19.520	202	181524	1.853	ng/ul	99
20) Pyrene	19.887	202	163150	1.561	ng/ul	98
21) Benzo(a)anthracene	21.626	228	68490	0.730	ng/ul	99
22) Chrysene	21.685	228	98509	1.064	ng/ul	98
24) Benzo(b)fluoranthene	23.398	252	199191	2.231	ng/ul	97
26) Benzo(a)pyrene	24.073	252	80626	1.001	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.871	276	60790	0.577	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.894	278	12984	0.155	ng/ul#	83
29) Benzo(g,h,i)perylene	27.709	276	60413	0.688	ng/ul	99

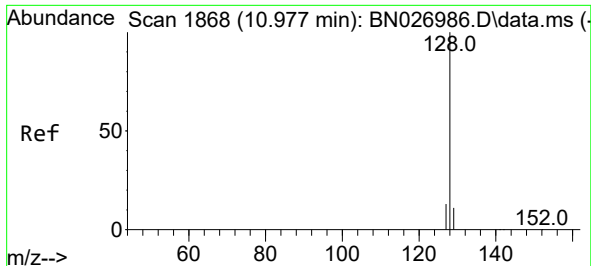
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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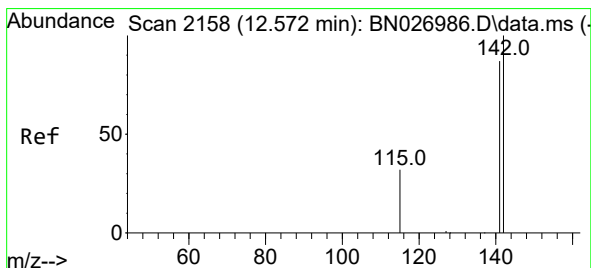
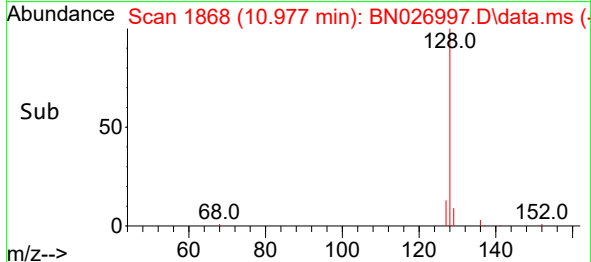
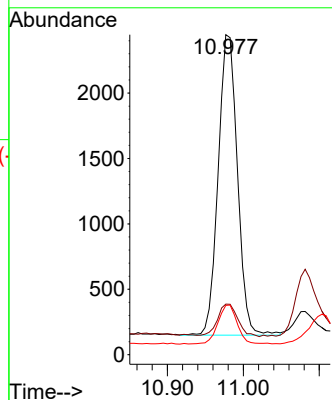
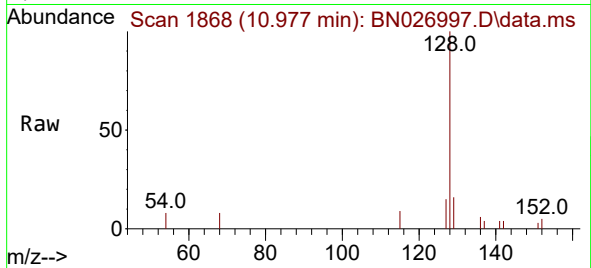




#5
Naphthalene
Concen: 0.063 ng/ul
RT: 10.977 min Scan# 1868
Delta R.T. -0.005 min
Lab File: BN026997.D
Acq: 21 Aug 2023 17:47

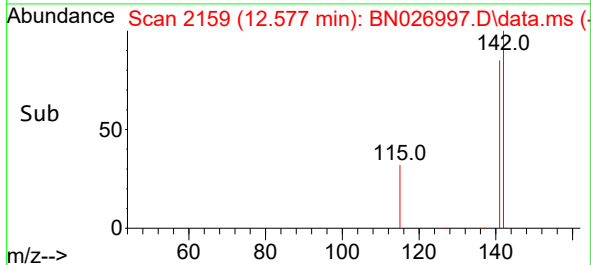
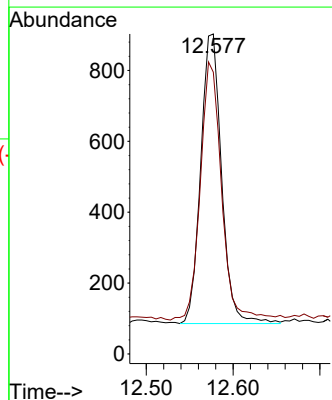
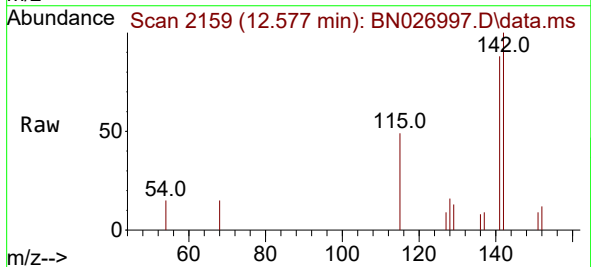
Instrument :
BNA_N
ClientSampleId :
A48L8

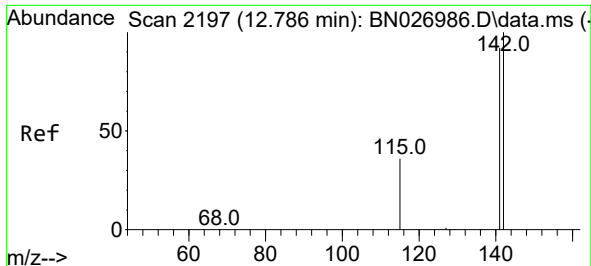
Tgt Ion:128 Resp: 4040
Ion Ratio Lower Upper
128 100
129 15.8 9.2 13.8#
127 15.4 10.5 15.7



#7
2-Methylnaphthalene
Concen: 0.035 ng/ul
RT: 12.577 min Scan# 2159
Delta R.T. 0.000 min
Lab File: BN026997.D
Acq: 21 Aug 2023 17:47

Tgt Ion:142 Resp: 1365
Ion Ratio Lower Upper
142 100
141 90.3 70.9 106.3

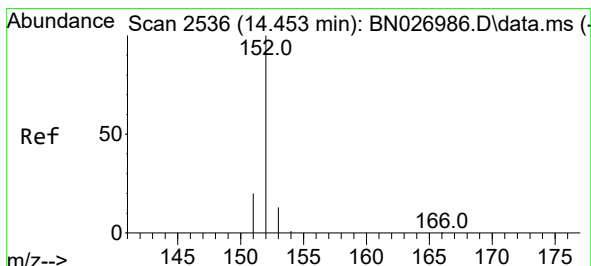
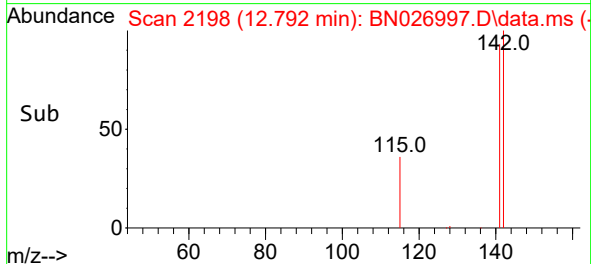
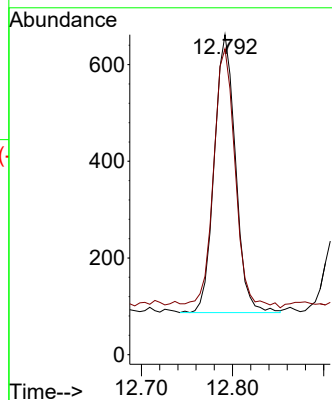
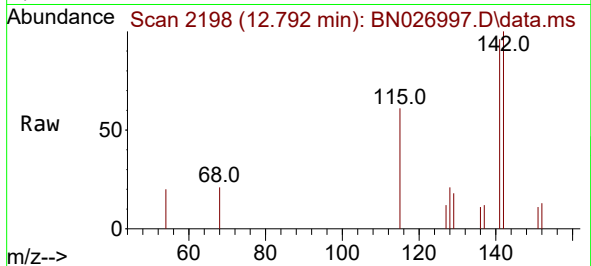




#8
1-Methylnaphthalene
Concen: 0.023 ng/ul
RT: 12.792 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BN026997.D
Acq: 21 Aug 2023 17:47

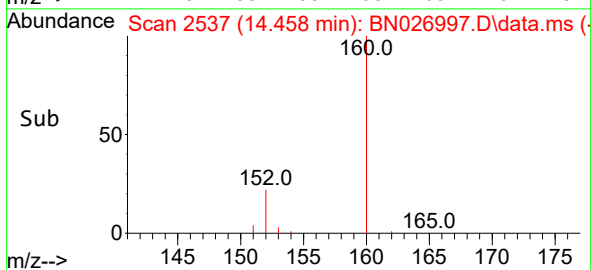
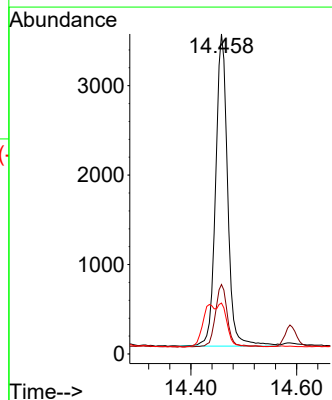
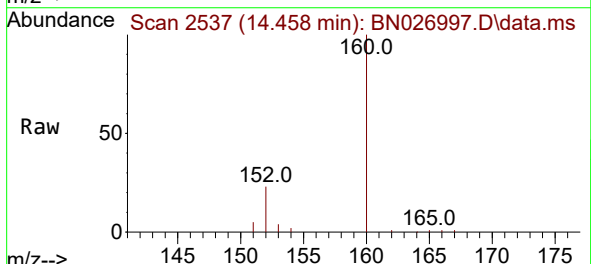
Instrument :
BNA_N
ClientSampleId :
A48L8

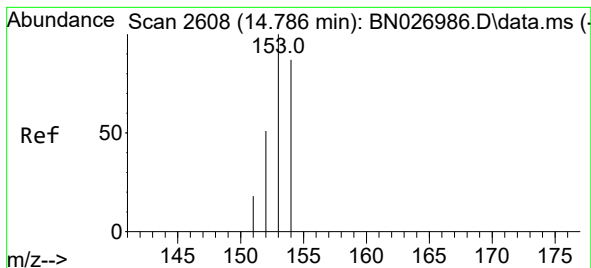
Tgt Ion:142 Resp: 927
Ion Ratio Lower Upper
142 100
141 95.6 73.2 109.8



#10
Acenaphthylene
Concen: 0.075 ng/ul
RT: 14.458 min Scan# 2537
Delta R.T. 0.000 min
Lab File: BN026997.D
Acq: 21 Aug 2023 17:47

Tgt Ion:152 Resp: 5515
Ion Ratio Lower Upper
152 100
151 21.7 15.9 23.9
153 15.9 11.0 16.6





#11

Acenaphthene

Concen: 0.033 ng/ul

RT: 14.791 min Scan# 2609

Delta R.T. 0.000 min

Lab File: BN026997.D

Acq: 21 Aug 2023 17:47

Instrument :

BNA_N

ClientSampleId :

A48L8

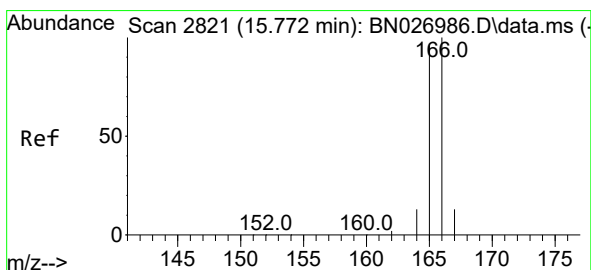
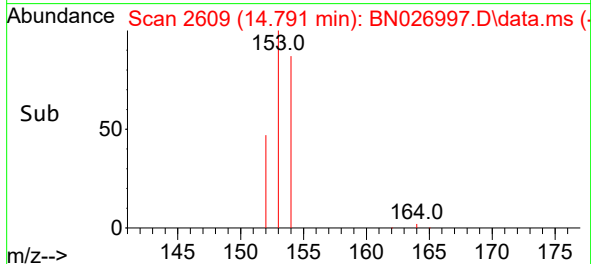
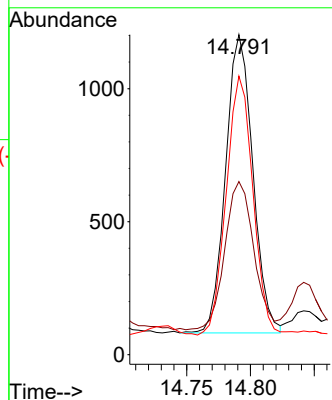
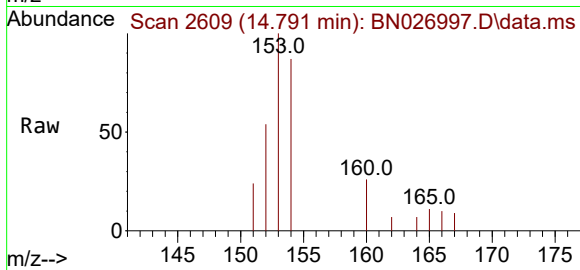
Tgt Ion:153 Resp: 1663

Ion Ratio Lower Upper

153 100

152 54.1 41.1 61.7

154 87.0 71.6 107.4



#12

Fluorene

Concen: 0.038 ng/ul

RT: 15.772 min Scan# 2821

Delta R.T. 0.000 min

Lab File: BN026997.D

Acq: 21 Aug 2023 17:47

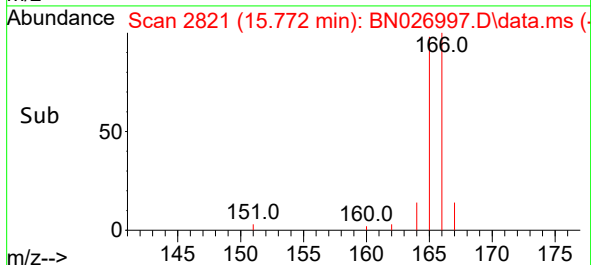
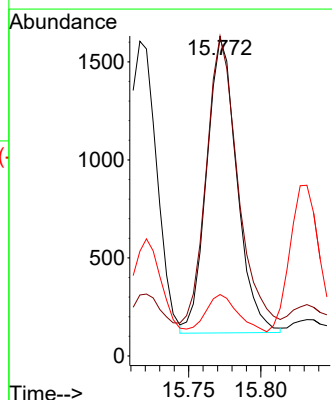
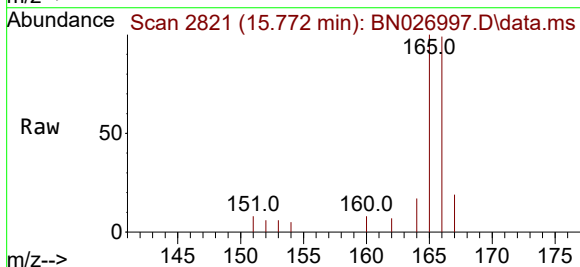
Tgt Ion:166 Resp: 2192

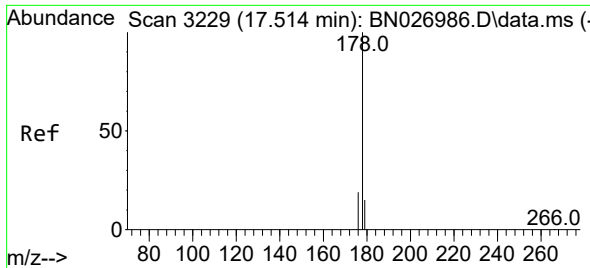
Ion Ratio Lower Upper

166 100

165 100.8 79.1 118.7

167 19.3 11.4 17.0#

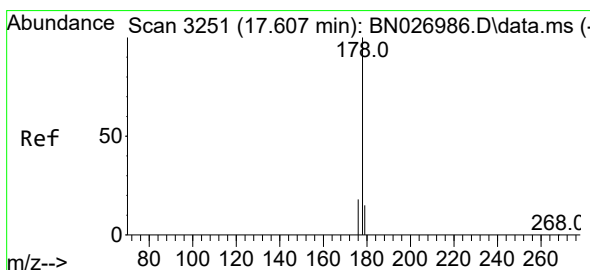
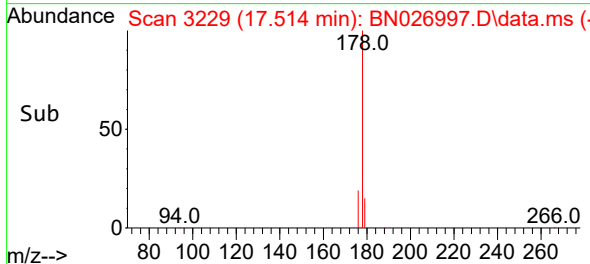
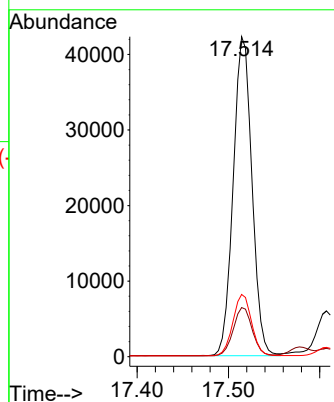
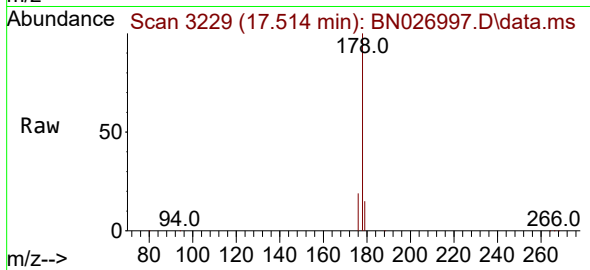




#15
Phenanthrene
Concen: 0.635 ng/ul
RT: 17.514 min Scan# 31
Delta R.T. -0.005 min
Lab File: BN026997.D
Acq: 21 Aug 2023 17:47

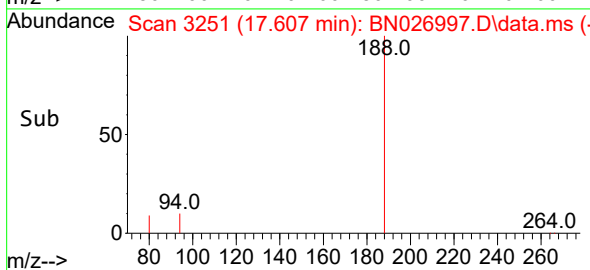
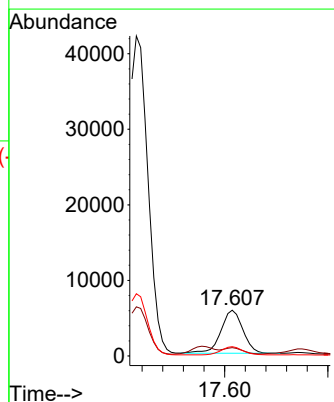
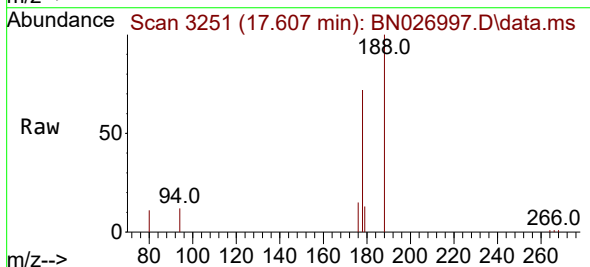
Instrument :
BNA_N
ClientSampleId :
A48L8

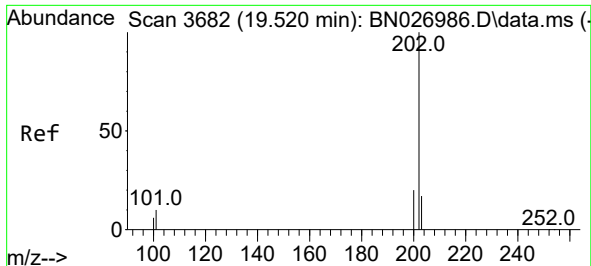
Tgt Ion:178 Resp: 60281
Ion Ratio Lower Upper
178 100
179 15.4 12.6 18.8
176 19.4 15.4 23.2



#16
Anthracene
Concen: 0.099 ng/ul
RT: 17.607 min Scan# 3251
Delta R.T. -0.000 min
Lab File: BN026997.D
Acq: 21 Aug 2023 17:47

Tgt Ion:178 Resp: 8473
Ion Ratio Lower Upper
178 100
179 18.3 12.6 19.0
176 20.4 15.0 22.6

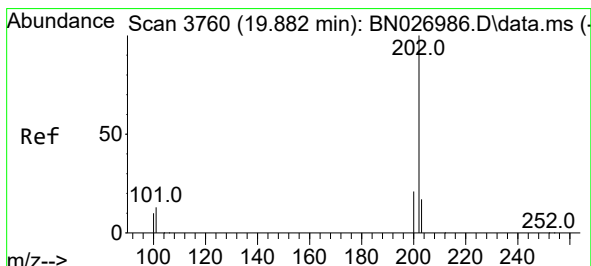
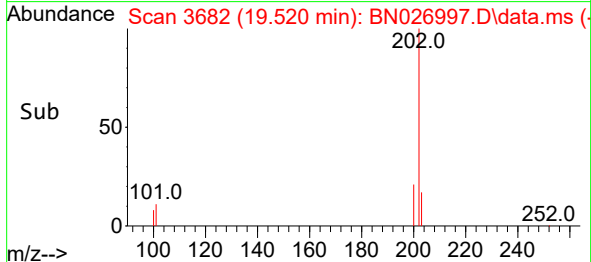
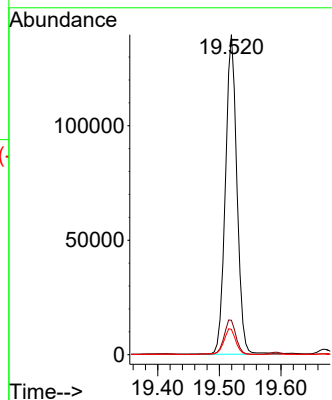
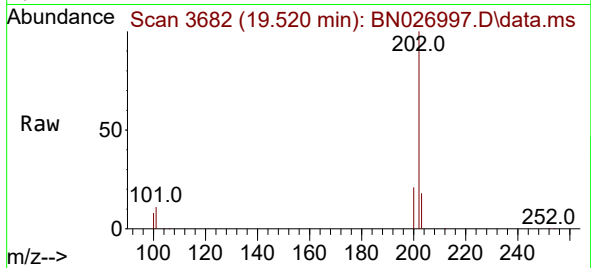




#19
Fluoranthene
Concen: 1.853 ng/ul
RT: 19.520 min Scan# 3682
Delta R.T. -0.005 min
Lab File: BN026997.D
Acq: 21 Aug 2023 17:47

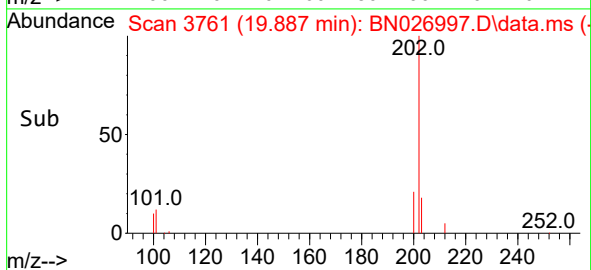
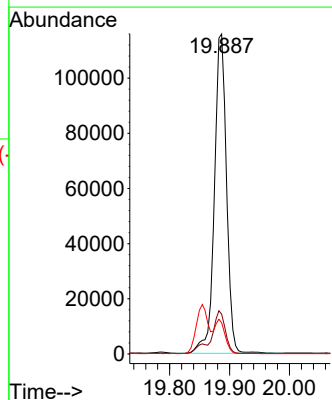
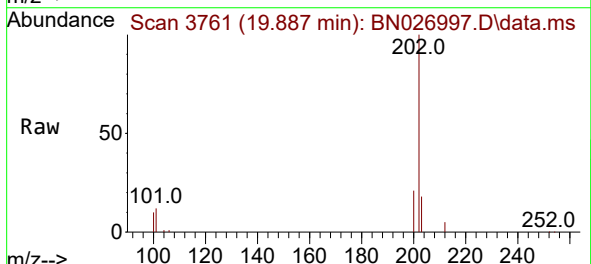
Instrument :
BNA_N
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A48L8

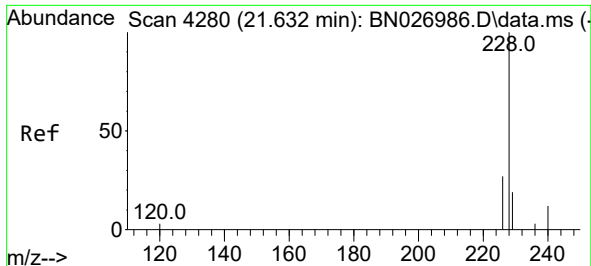
Tgt Ion:202 Resp: 181524
Ion Ratio Lower Upper
202 100
101 10.8 8.3 12.5
100 7.9 6.2 9.2



#20
Pyrene
Concen: 1.561 ng/ul
RT: 19.887 min Scan# 3761
Delta R.T. -0.000 min
Lab File: BN026997.D
Acq: 21 Aug 2023 17:47

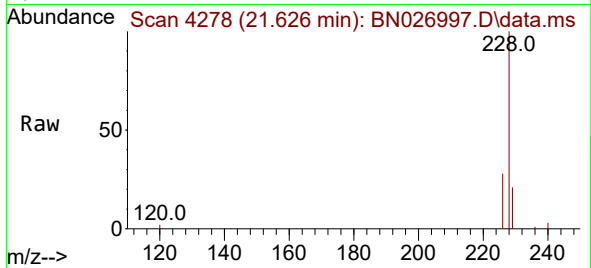
Tgt Ion:202 Resp: 163150
Ion Ratio Lower Upper
202 100
101 12.4 10.7 16.1
100 9.7 8.5 12.7



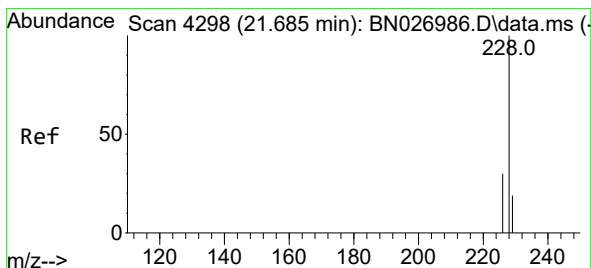
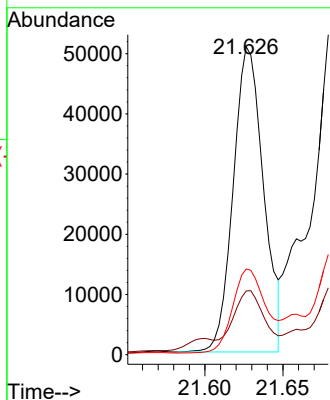
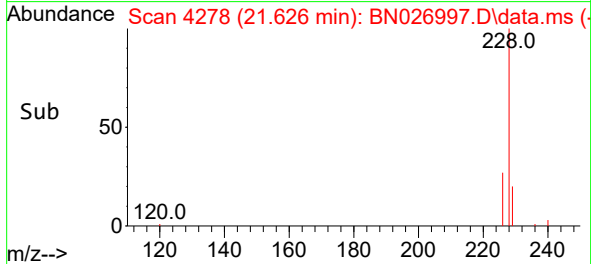


#21
Benzo(a)anthracene
Concen: 0.730 ng/ul
RT: 21.626 min Scan# 4278
Delta R.T. -0.006 min
Lab File: BN026997.D
Acq: 21 Aug 2023 17:47

Instrument :
BNA_N
ClientSampleId :
A48L8

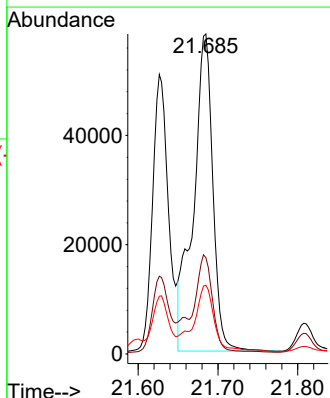
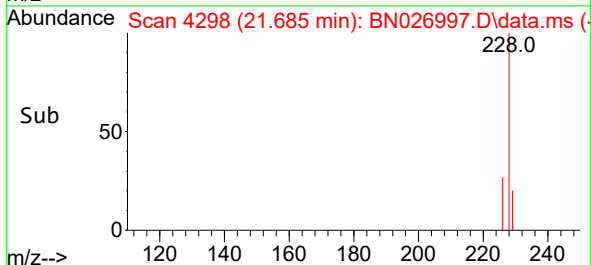
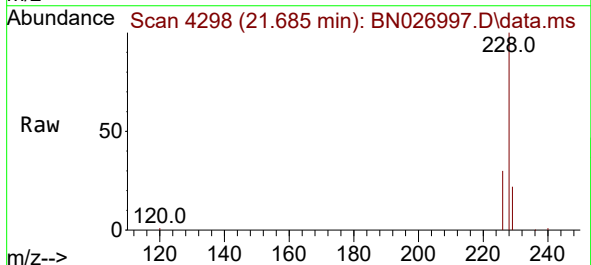


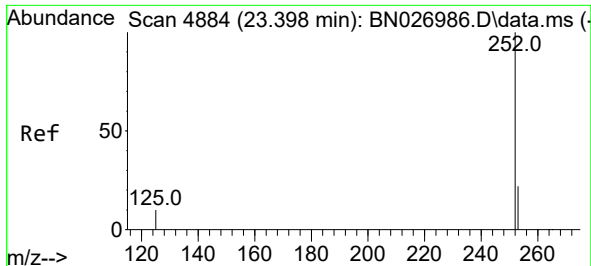
Tgt Ion:228 Resp: 68490
Ion Ratio Lower Upper
228 100
229 20.7 16.0 24.0
226 27.8 22.2 33.2



#22
Chrysene
Concen: 1.064 ng/ul
RT: 21.685 min Scan# 4298
Delta R.T. -0.006 min
Lab File: BN026997.D
Acq: 21 Aug 2023 17:47

Tgt Ion:228 Resp: 98509
Ion Ratio Lower Upper
228 100
226 30.1 24.6 36.8
229 21.5 15.8 23.6

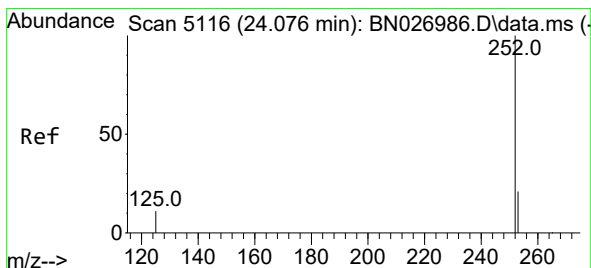
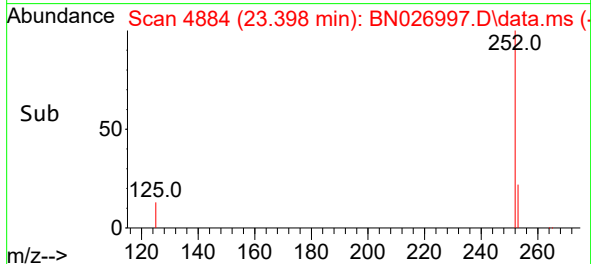
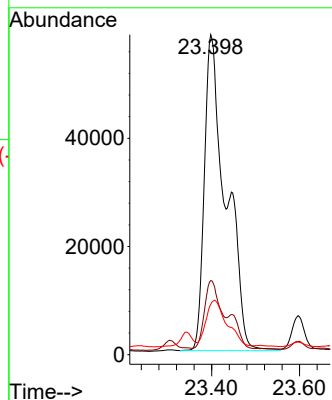
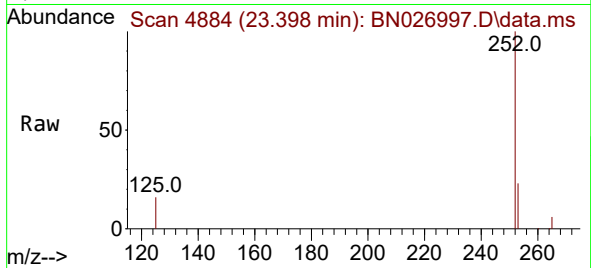




#24
Benzo(b)fluoranthene
Concen: 2.231 ng/ul
RT: 23.398 min Scan# 4884
Delta R.T. -0.009 min
Lab File: BN026997.D
Acq: 21 Aug 2023 17:47

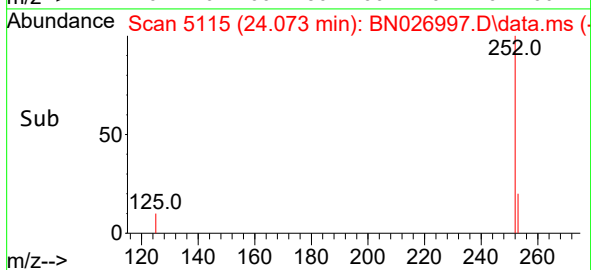
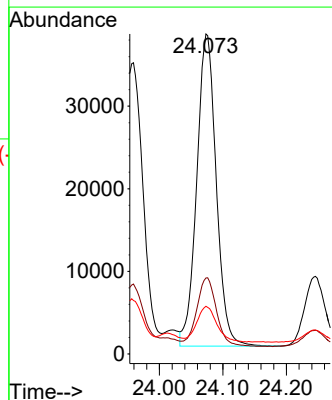
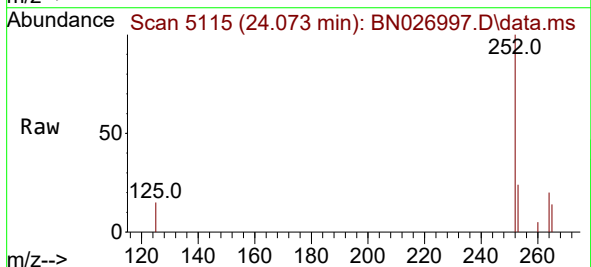
Instrument :
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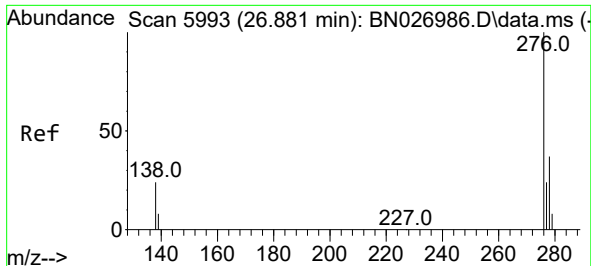
Tgt Ion:252 Resp: 199191
Ion Ratio Lower Upper
252 100
253 23.2 0.0 46.8
125 15.8 0.0 25.2



#26
Benzo(a)pyrene
Concen: 1.001 ng/ul
RT: 24.073 min Scan# 5115
Delta R.T. -0.012 min
Lab File: BN026997.D
Acq: 21 Aug 2023 17:47

Tgt Ion:252 Resp: 80626
Ion Ratio Lower Upper
252 100
253 23.7 19.0 28.6
125 14.9 11.4 17.0





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.577 ng/ul

RT: 26.871 min Scan# 5993

Delta R.T. -0.014 min

Lab File: BN026997.D

Acq: 21 Aug 2023 17:47

Instrument :

BNA_N

ClientSampleId :

A48L8

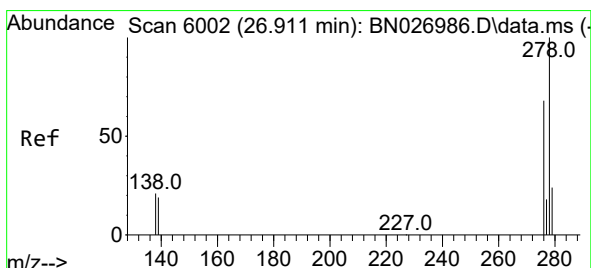
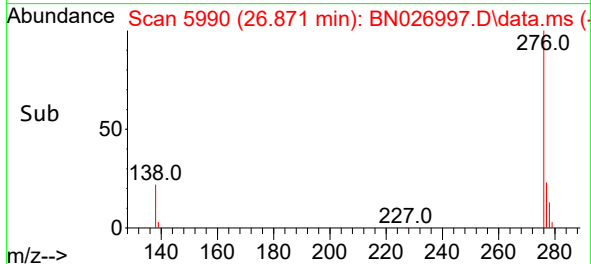
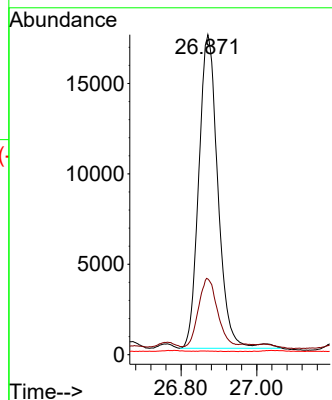
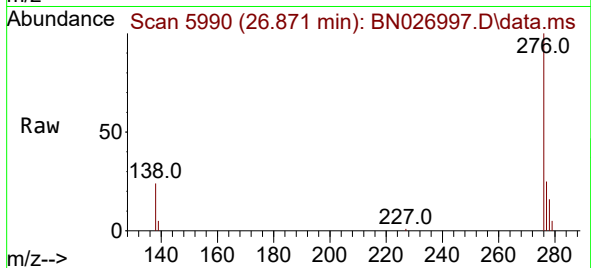
Tgt Ion:276 Resp: 60790

Ion Ratio Lower Upper

276 100

138 23.0 21.6 32.4

227 0.1 0.0 0.0#



#28

Dibenzo(a,h)anthracene

Concen: 0.155 ng/ul

RT: 26.894 min Scan# 5997

Delta R.T. -0.028 min

Lab File: BN026997.D

Acq: 21 Aug 2023 17:47

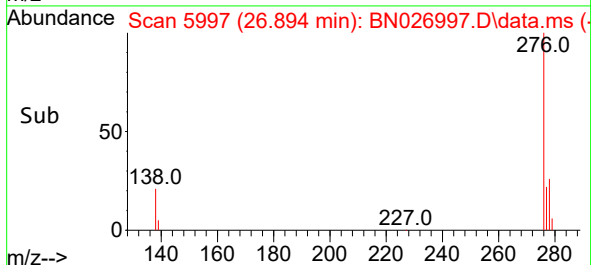
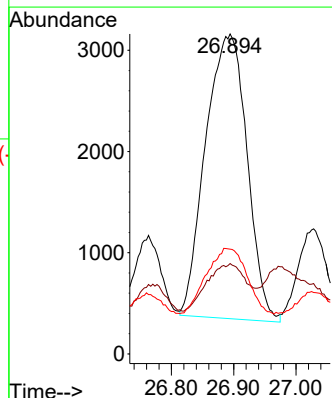
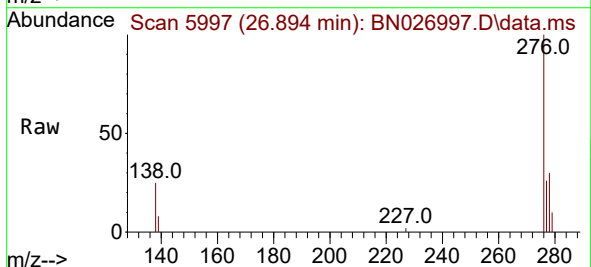
Tgt Ion:278 Resp: 12984

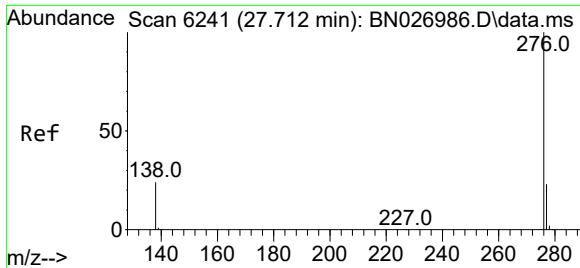
Ion Ratio Lower Upper

278 100

139 28.3 15.7 23.5#

279 32.8 20.2 30.4#





#29
 Benzo(g,h,i)perylene
 Concen: 0.688 ng/ul
 RT: 27.709 min Scan# 61
 Delta R.T. -0.014 min
 Lab File: BN026997.D
 Acq: 21 Aug 2023 17:47

Instrument :
 BNA_N
 ClientSampleId :
 A48L8

Tgt Ion:	276	Resp:	60413
Ion Ratio	Lower	Upper	
276	100		
138	24.9	19.3	28.9
277	24.7	19.8	29.8

