

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN027003.D
 Acq On : 21 Aug 2023 22:08
 Operator : MA/JU
 Sample : 03967-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48M2

Quant Time: Aug 22 01:40:24 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)

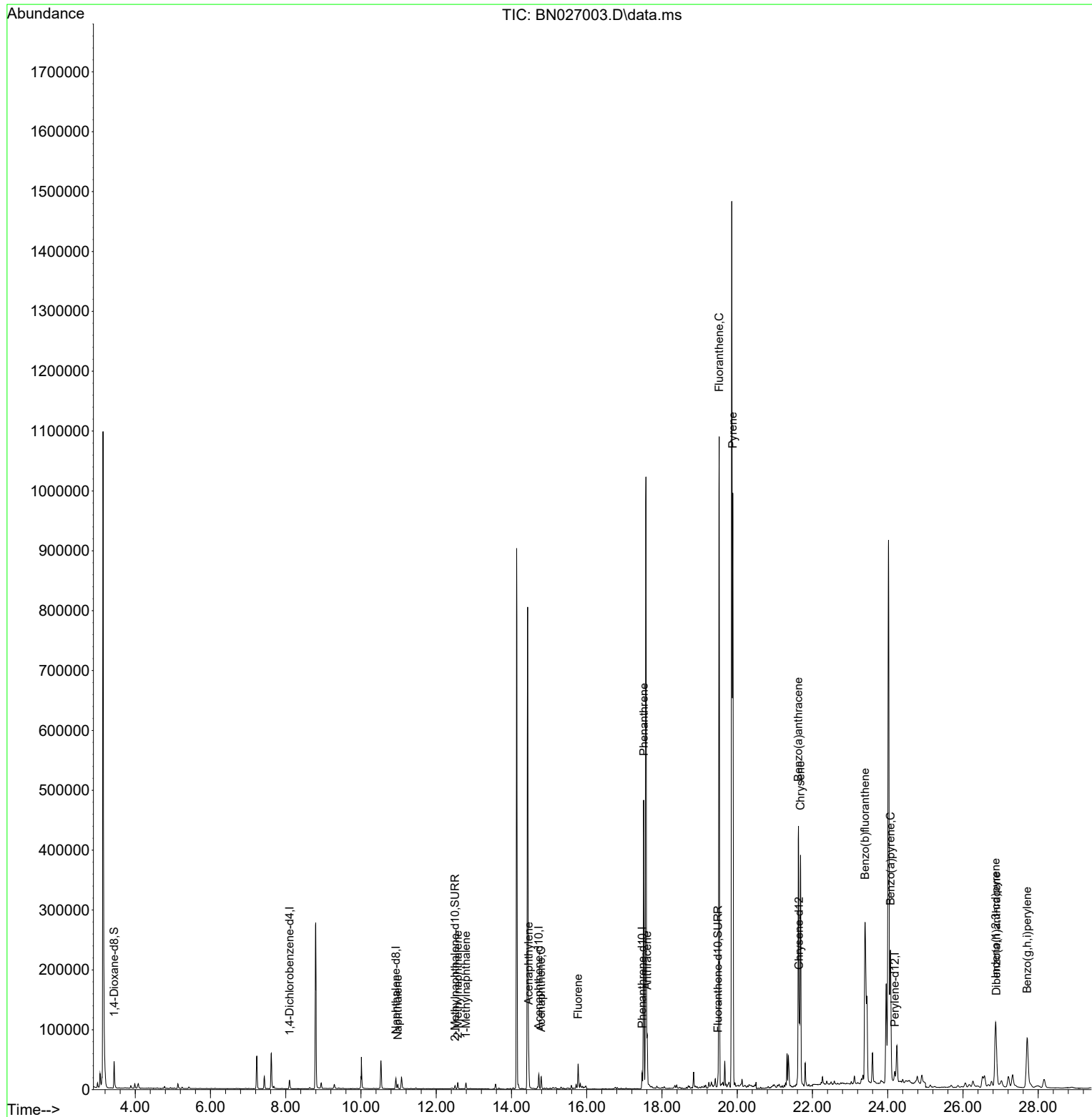
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.101	152	7232	0.400	ng/ul	0.00
4) Naphthalene-d8	10.927	136	23762	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.726	164	13471	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.472	188	30632	0.400	ng/ul	0.00
17) Chrysene-d12	21.644	240	26068	0.400	ng/ul	# 0.00
23) Perylene-d12	24.187	264	24848	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	31427	3.660	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	6979	0.200	ng/ul	0.00
18) Fluoranthene-d10	19.487	212	16356	0.199	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.977	128	9591	0.143	ng/ul	96
7) 2-Methylnaphthalene	12.572	142	6838	0.168	ng/ul	100
8) 1-Methylnaphthalene	12.792	142	6846	0.161	ng/ul	100
10) Acenaphthylene	14.458	152	61777	0.819	ng/ul	99
11) Acenaphthene	14.791	153	11773	0.225	ng/ul	99
12) Fluorene	15.772	166	27510	0.466	ng/ul	99
15) Phenanthrene	17.514	178	495057	4.919	ng/ul	100
16) Anthracene	17.607	178	89765	0.987	ng/ul	100
19) Fluoranthene	19.520	202	905285	8.361	ng/ul	99
20) Pyrene	19.882	202	803872	6.958	ng/ul	100
21) Benzo(a)anthracene	21.626	228	386126	3.724	ng/ul	99
22) Chrysene	21.682	228	393737	3.848	ng/ul	98
24) Benzo(b)fluoranthene	23.395	252	703912	7.490	ng/ul	97
26) Benzo(a)pyrene	24.073	252	342369	4.037	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.867	276	216451	1.951	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.887	278	47651	0.539	ng/ul#	91
29) Benzo(g,h,i)perylene	27.706	276	206292	2.233	ng/ul	99

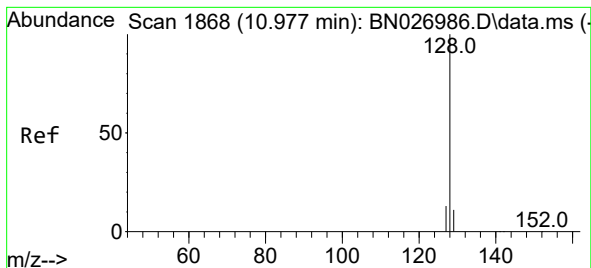
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.143 ng/ul

RT: 10.977 min Scan# 1868

Delta R.T. -0.005 min

Lab File: BN027003.D

Acq: 21 Aug 2023 22:08

Instrument :

BNA_N

ClientSampleId :

A48M2

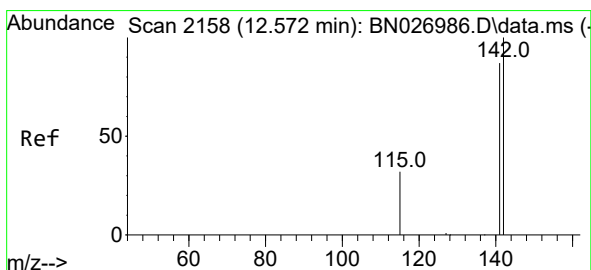
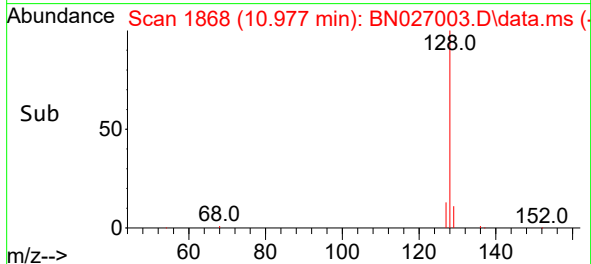
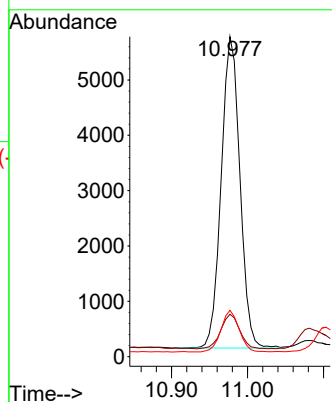
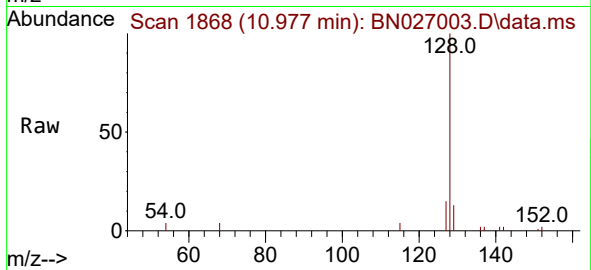
Tgt Ion:128 Resp: 9591

Ion Ratio Lower Upper

128 100

129 13.3 9.2 13.8

127 14.5 10.5 15.7



#7

2-Methylnaphthalene

Concen: 0.168 ng/ul

RT: 12.572 min Scan# 2158

Delta R.T. -0.005 min

Lab File: BN027003.D

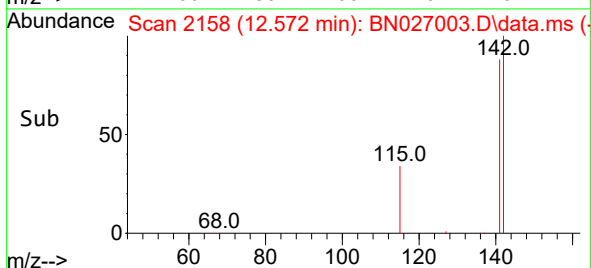
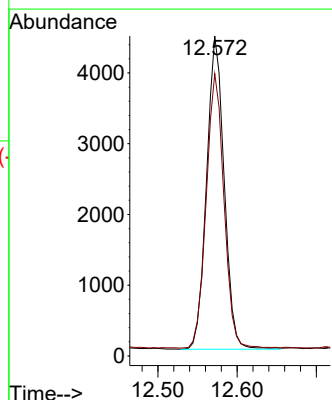
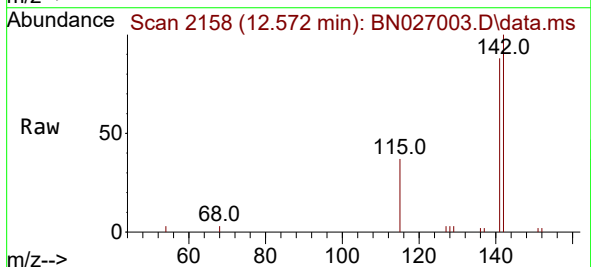
Acq: 21 Aug 2023 22:08

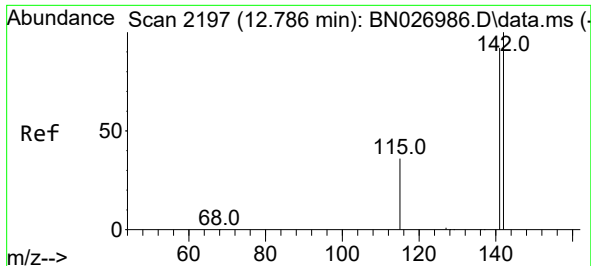
Tgt Ion:142 Resp: 6838

Ion Ratio Lower Upper

142 100

141 88.3 70.9 106.3

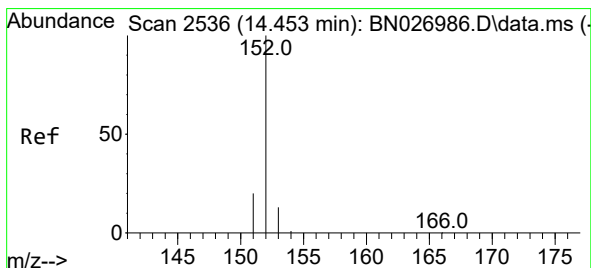
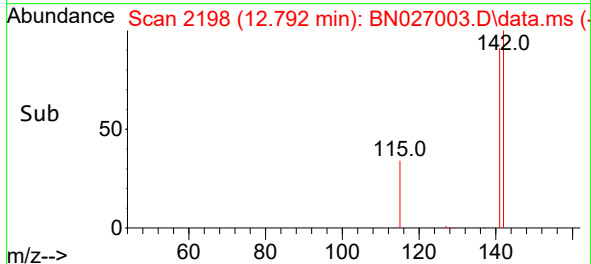
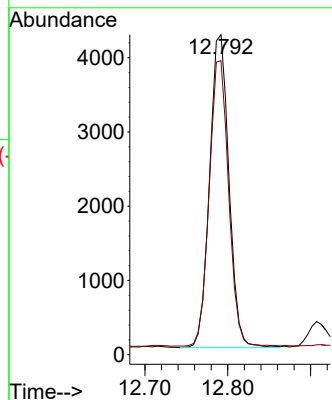
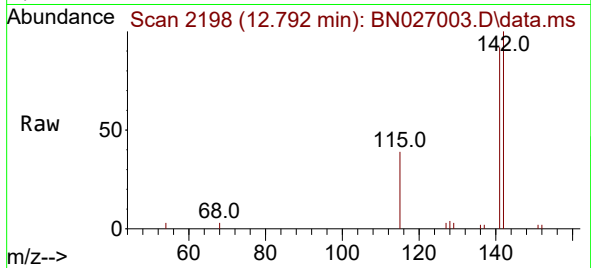




#8
1-Methylnaphthalene
Concen: 0.161 ng/ul
RT: 12.792 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BN027003.D
Acq: 21 Aug 2023 22:08

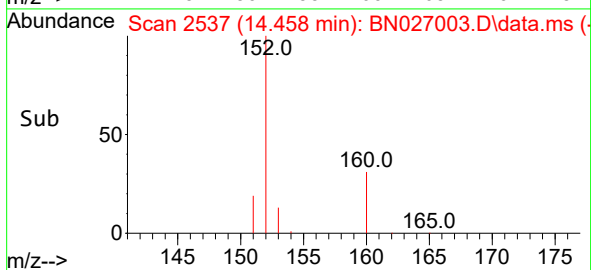
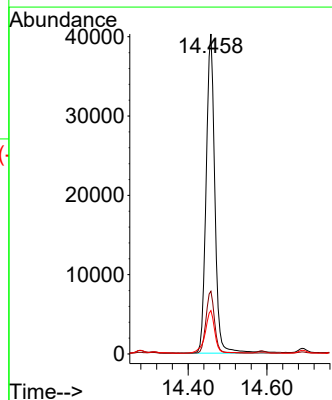
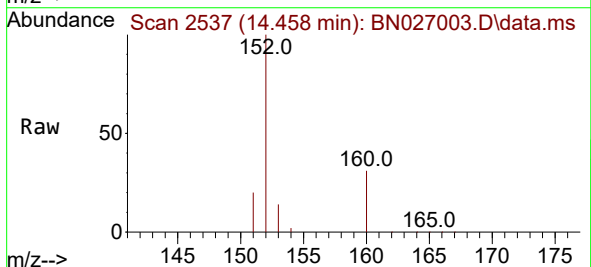
Instrument :
BNA_N
ClientSampleId :
A48M2

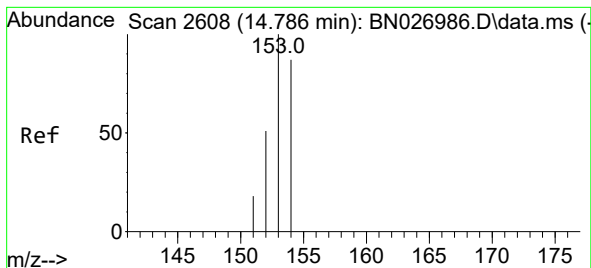
Tgt Ion:142 Resp: 6846
Ion Ratio Lower Upper
142 100
141 91.1 73.2 109.8



#10
Acenaphthylene
Concen: 0.819 ng/ul
RT: 14.458 min Scan# 2537
Delta R.T. 0.000 min
Lab File: BN027003.D
Acq: 21 Aug 2023 22:08

Tgt Ion:152 Resp: 61777
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 13.6 11.0 16.6





#11

Acenaphthene

Concen: 0.225 ng/ul

RT: 14.791 min Scan# 2609

Delta R.T. 0.000 min

Lab File: BN027003.D

Acq: 21 Aug 2023 22:08

Instrument :

BNA_N

ClientSampleId :

A48M2

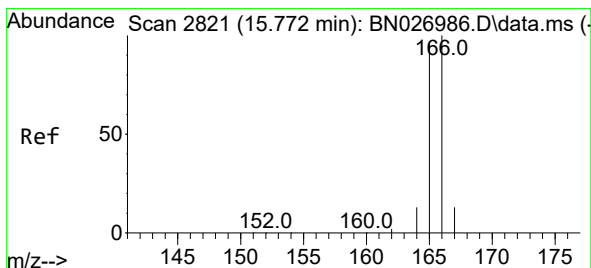
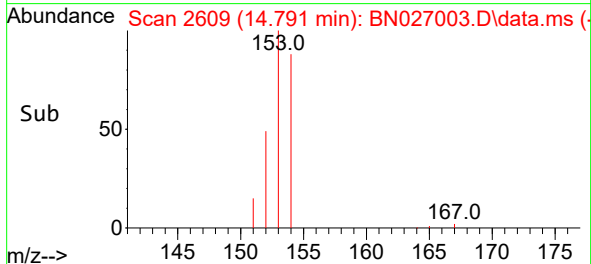
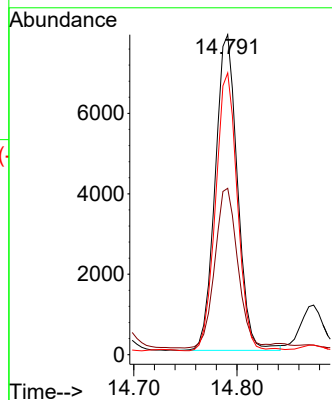
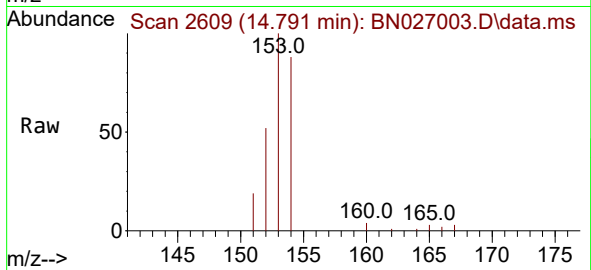
Tgt Ion:153 Resp: 11773

Ion Ratio Lower Upper

153 100

152 52.0 41.1 61.7

154 88.0 71.6 107.4



#12

Fluorene

Concen: 0.466 ng/ul

RT: 15.772 min Scan# 2821

Delta R.T. 0.000 min

Lab File: BN027003.D

Acq: 21 Aug 2023 22:08

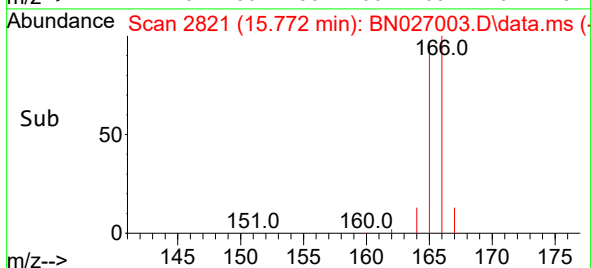
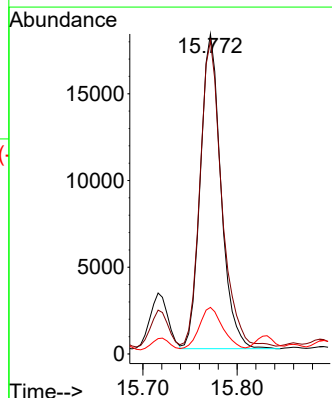
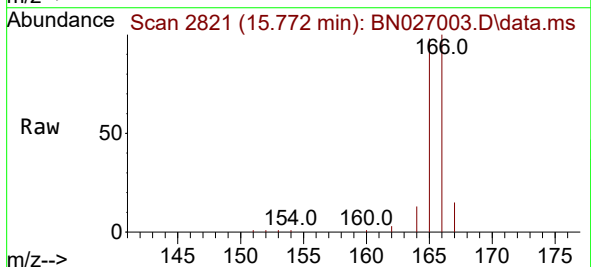
Tgt Ion:166 Resp: 27510

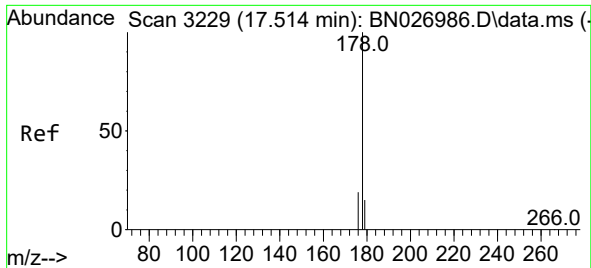
Ion Ratio Lower Upper

166 100

165 97.8 79.1 118.7

167 14.5 11.4 17.0

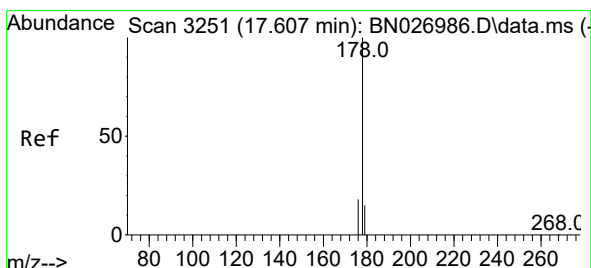
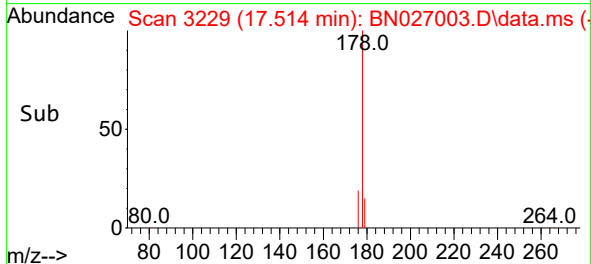
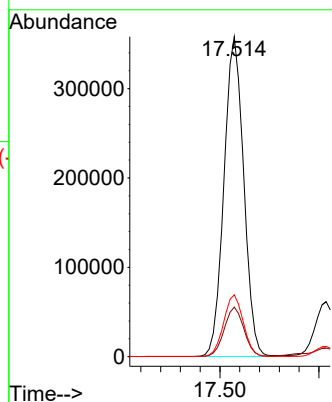
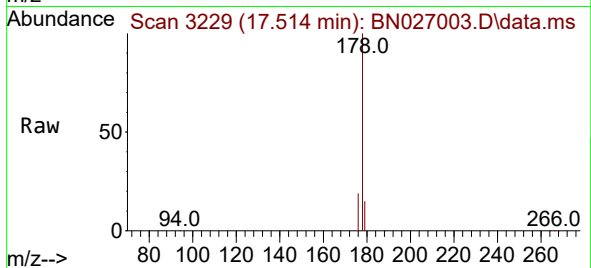




#15
Phenanthrene
Concen: 4.919 ng/ul
RT: 17.514 min Scan# 31
Delta R.T. -0.005 min
Lab File: BN027003.D
Acq: 21 Aug 2023 22:08

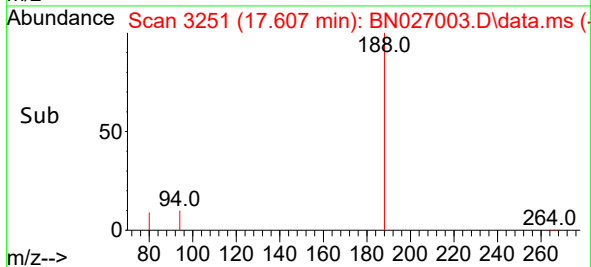
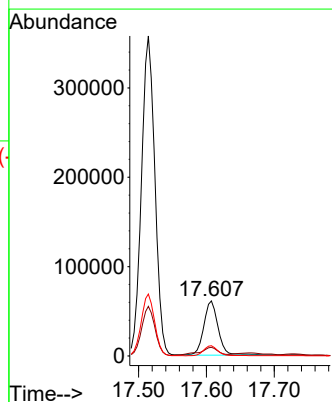
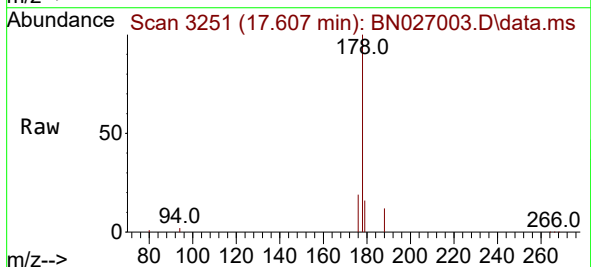
Instrument :
BNA_N
ClientSampleId :
A48M2

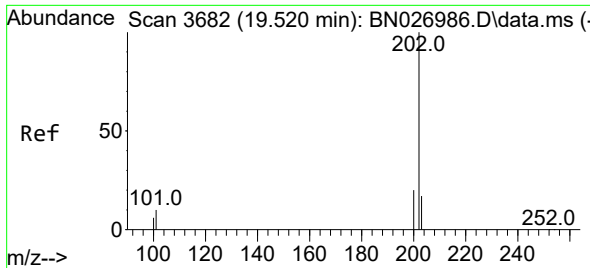
Tgt Ion:178 Resp: 495057
Ion Ratio Lower Upper
178 100
179 15.5 12.6 18.8
176 19.3 15.4 23.2



#16
Anthracene
Concen: 0.987 ng/ul
RT: 17.607 min Scan# 3251
Delta R.T. -0.000 min
Lab File: BN027003.D
Acq: 21 Aug 2023 22:08

Tgt Ion:178 Resp: 89765
Ion Ratio Lower Upper
178 100
179 15.8 12.6 19.0
176 18.5 15.0 22.6

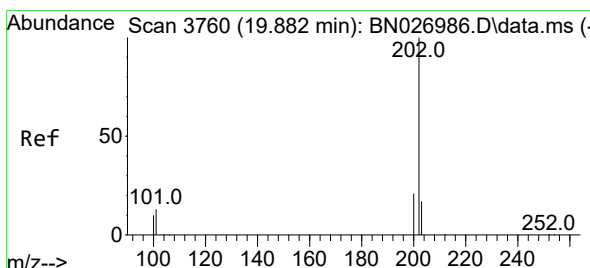
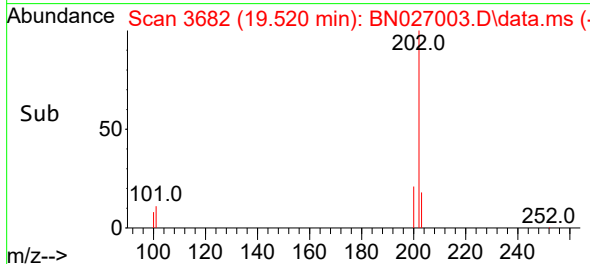
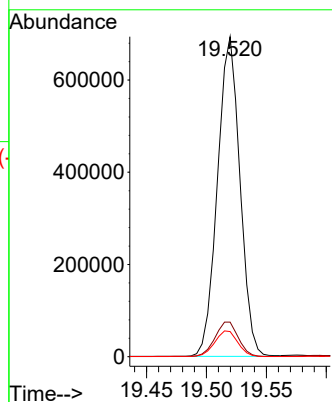
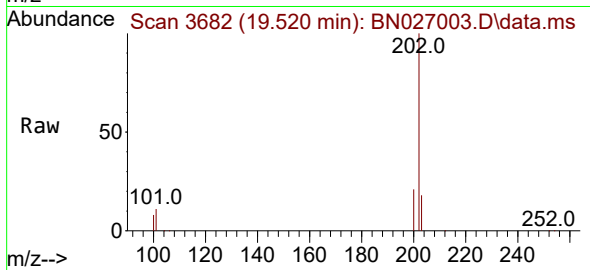




#19
Fluoranthene
Concen: 8.361 ng/ul
RT: 19.520 min Scan# 3682
Delta R.T. -0.005 min
Lab File: BN027003.D
Acq: 21 Aug 2023 22:08

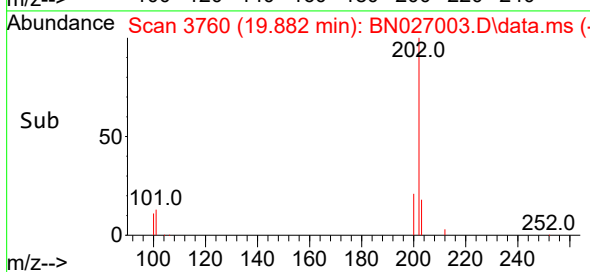
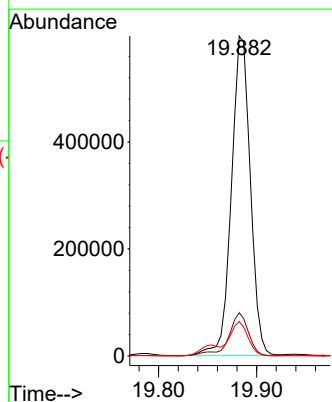
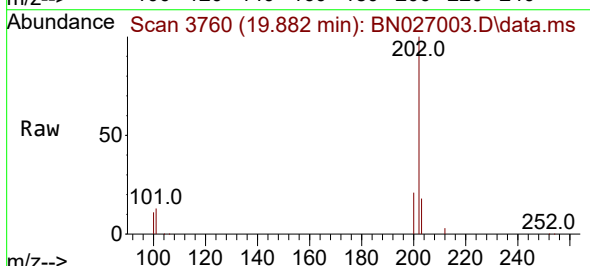
Instrument :
BNA_N
ClientSampleId :
A48M2

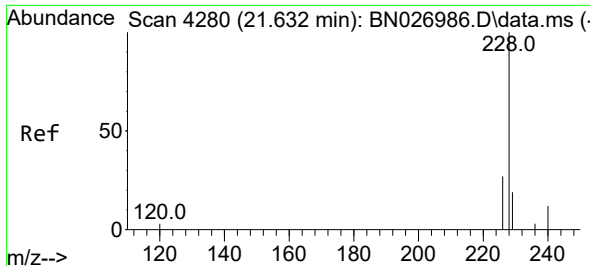
Tgt Ion:202 Resp: 905285
Ion Ratio Lower Upper
202 100
101 10.8 8.3 12.5
100 7.8 6.2 9.2



#20
Pyrene
Concen: 6.958 ng/ul
RT: 19.882 min Scan# 3760
Delta R.T. -0.005 min
Lab File: BN027003.D
Acq: 21 Aug 2023 22:08

Tgt Ion:202 Resp: 803872
Ion Ratio Lower Upper
202 100
101 13.5 10.7 16.1
100 10.7 8.5 12.7

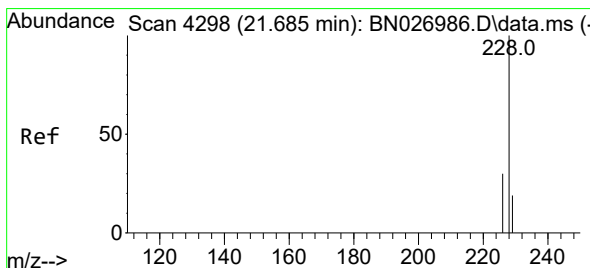
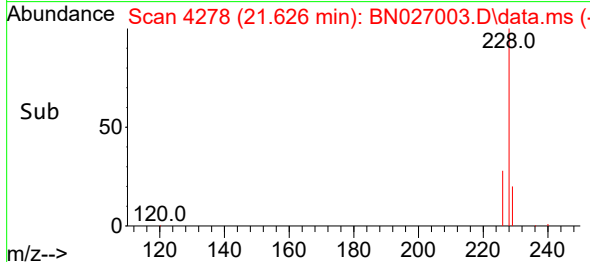
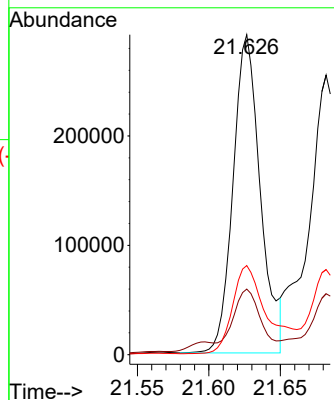
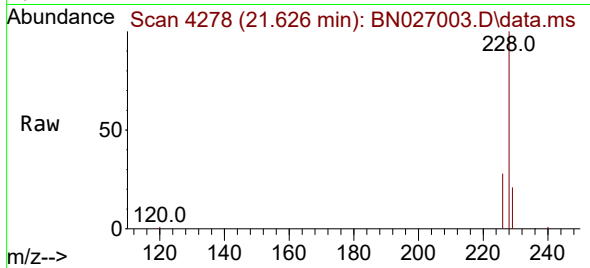




#21
Benzo(a)anthracene
Concen: 3.724 ng/ul
RT: 21.626 min Scan# 41
Delta R.T. -0.006 min
Lab File: BN027003.D
Acq: 21 Aug 2023 22:08

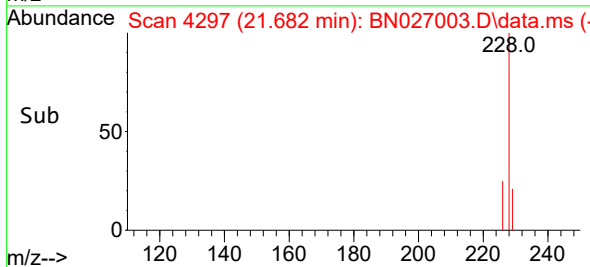
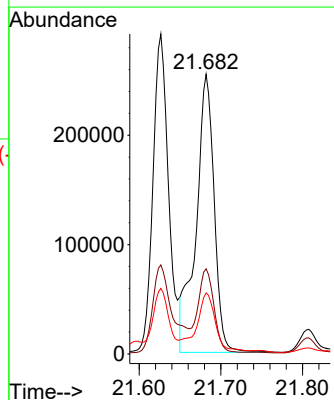
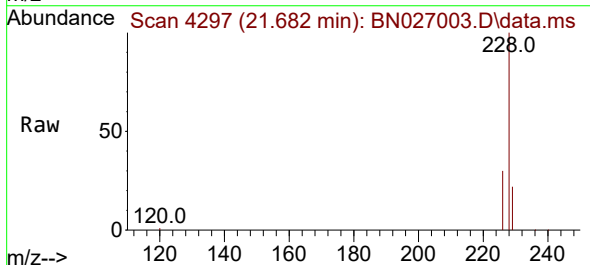
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A48M2

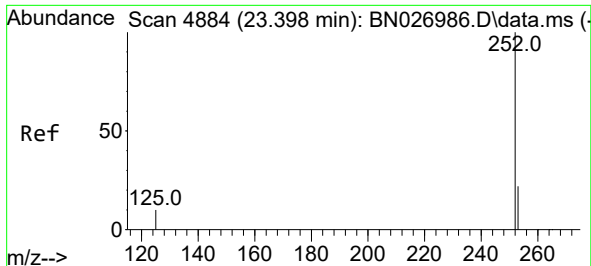
Tgt Ion:228 Resp: 386126
Ion Ratio Lower Upper
228 100
229 20.5 16.0 24.0
226 27.9 22.2 33.2



#22
Chrysene
Concen: 3.848 ng/ul
RT: 21.682 min Scan# 4297
Delta R.T. -0.009 min
Lab File: BN027003.D
Acq: 21 Aug 2023 22:08

Tgt Ion:228 Resp: 393737
Ion Ratio Lower Upper
228 100
226 30.4 24.6 36.8
229 21.8 15.8 23.6

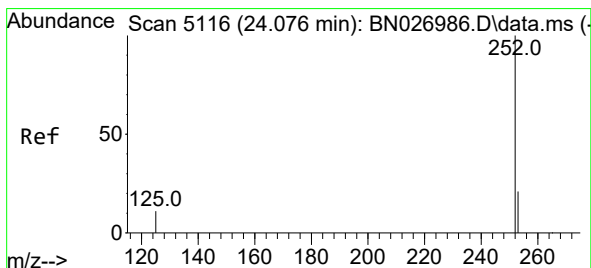
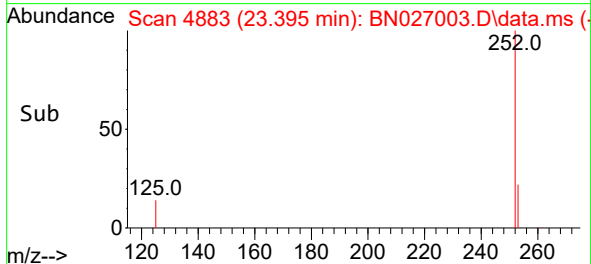
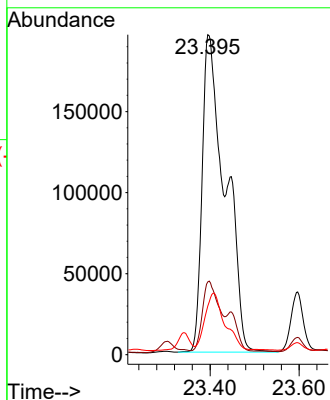
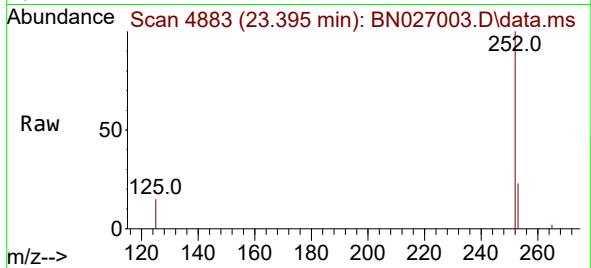




#24
Benzo(b)fluoranthene
Concen: 7.490 ng/ul
RT: 23.395 min Scan# 41
Delta R.T. -0.012 min
Lab File: BN027003.D
Acq: 21 Aug 2023 22:08

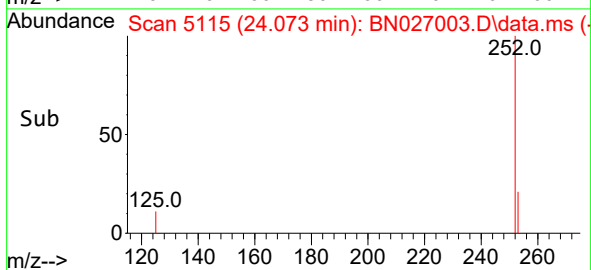
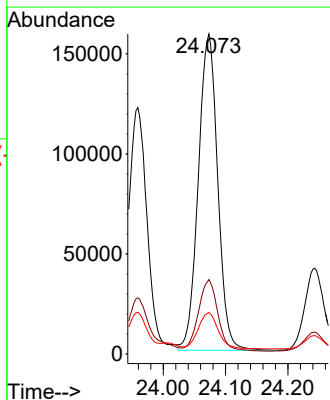
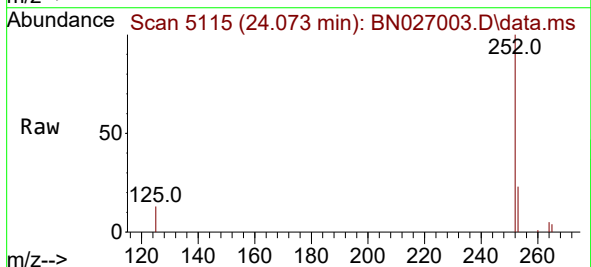
Instrument :
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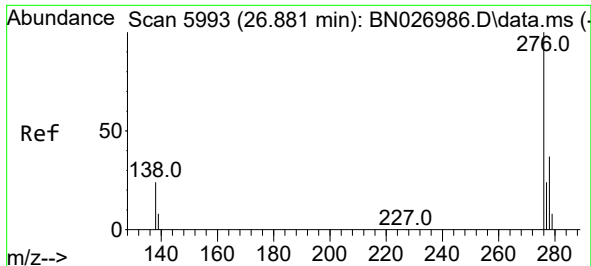
Tgt Ion:252 Resp: 703912
Ion Ratio Lower Upper
252 100
253 22.7 0.0 46.8
125 15.2 0.0 25.2



#26
Benzo(a)pyrene
Concen: 4.037 ng/ul
RT: 24.073 min Scan# 5115
Delta R.T. -0.012 min
Lab File: BN027003.D
Acq: 21 Aug 2023 22:08

Tgt Ion:252 Resp: 342369
Ion Ratio Lower Upper
252 100
253 23.2 19.0 28.6
125 13.0 11.4 17.0





#27

Indeno(1,2,3-cd)pyrene

Concen: 1.951 ng/ul

RT: 26.867 min Scan# 5989

Delta R.T. -0.017 min

Lab File: BN027003.D

Acq: 21 Aug 2023 22:08

Instrument :

BNA_N

ClientSampleId :

A48M2

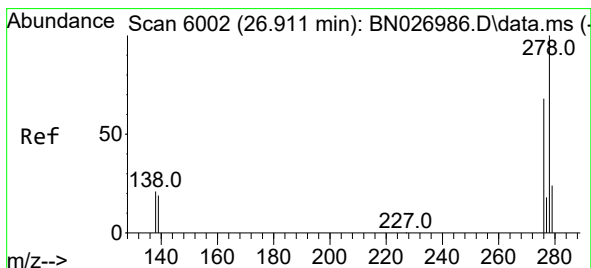
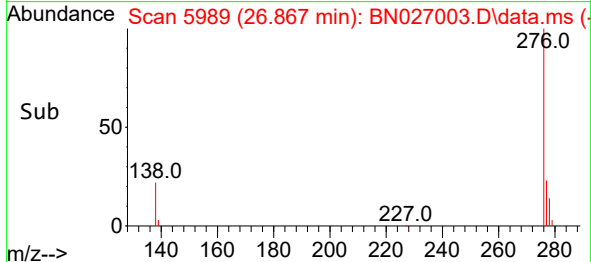
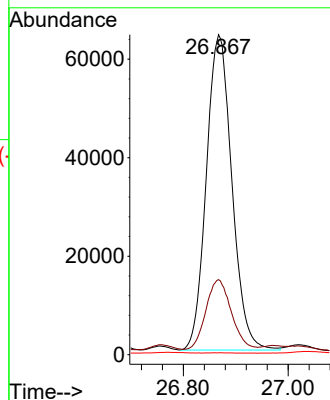
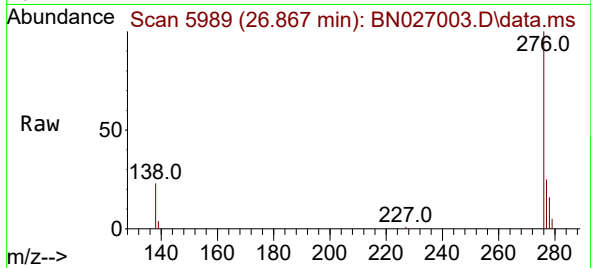
Tgt Ion:276 Resp: 216451

Ion Ratio Lower Upper

276 100

138 22.1 21.6 32.4

227 0.1 0.0 0.0#



#28

Dibenzo(a,h)anthracene

Concen: 0.539 ng/ul

RT: 26.887 min Scan# 5995

Delta R.T. -0.034 min

Lab File: BN027003.D

Acq: 21 Aug 2023 22:08

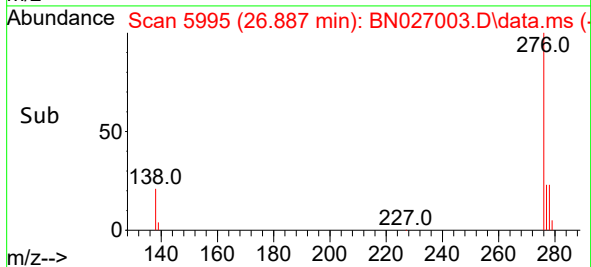
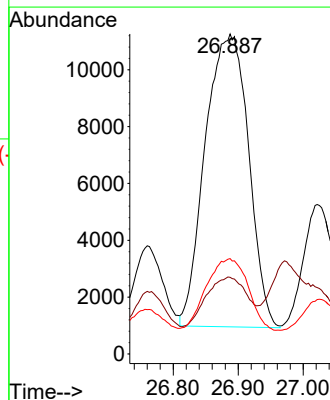
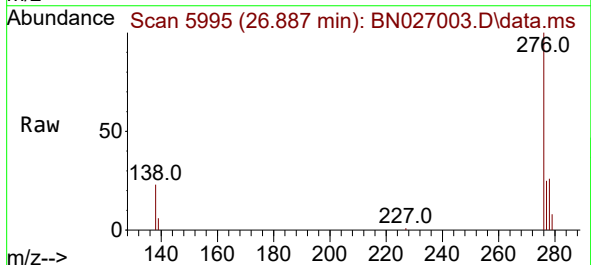
Tgt Ion:278 Resp: 47651

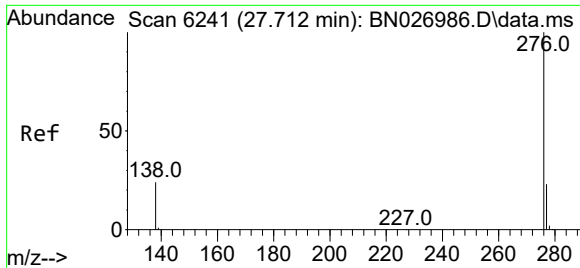
Ion Ratio Lower Upper

278 100

139 23.9 15.7 23.5#

279 29.8 20.2 30.4





#29
 Benzo(g,h,i)perylene
 Concen: 2.233 ng/ul
 RT: 27.706 min Scan# 61
 Delta R.T. -0.017 min
 Lab File: BN027003.D
 Acq: 21 Aug 2023 22:08

Instrument :
 BNA_N
 ClientSampleId :
 A48M2

Tgt Ion:	276	Resp:	206292
Ion	Ratio	Lower	Upper
276	100		
138	24.2	19.3	28.9
277	24.2	19.8	29.8

