

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081523\
 Data File : BN026905.D
 Acq On : 15 Aug 2023 17:33
 Operator : MA/JU
 Sample : 03965-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48H1

Quant Time: Aug 16 00:54:28 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 16 00:50:05 2023
 Response via : Initial Calibration

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

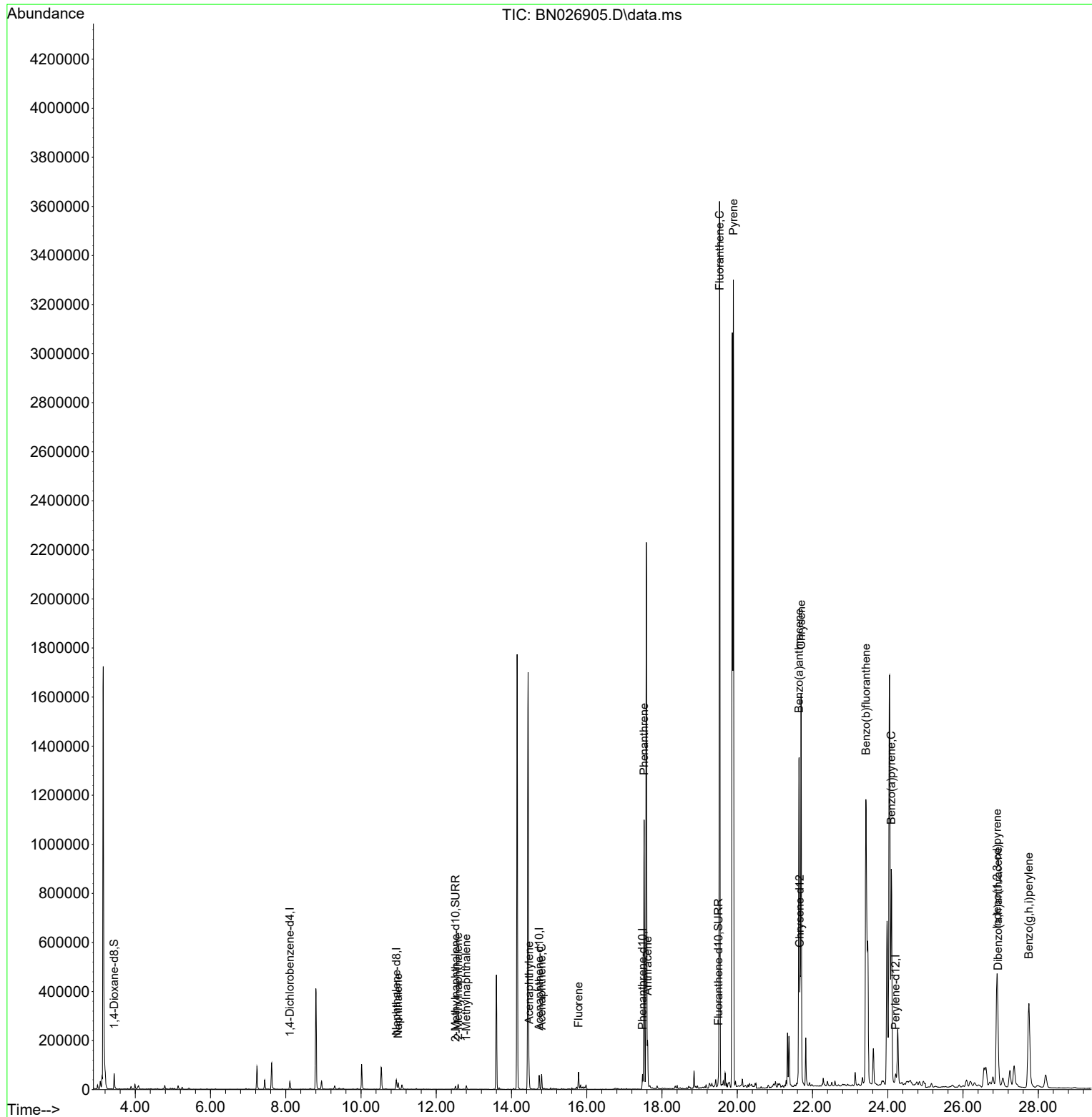
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	15662	0.400	ng/ul	0.00
4) Naphthalene-d8	10.938	136	53402	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.735	164	31355	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.481	188	71479	0.400	ng/ul	0.00
17) Chrysene-d12	21.659	240	61102	0.400	ng/ul	0.00
23) Perylene-d12	24.208	264	55194	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	43910	2.362	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.511	152	15068	0.192	ng/ul	0.00
18) Fluoranthene-d10	19.501	212	39076	0.203	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.988	128	33518	0.222	ng/ul	100
7) 2-Methylnaphthalene	12.583	142	13176	0.144	ng/ul	99
8) 1-Methylnaphthalene	12.797	142	9655	0.101	ng/ul	99
10) Acenaphthylene	14.467	152	69314	0.395	ng/ul	100
11) Acenaphthene	14.800	153	34090	0.280	ng/ul	99
12) Fluorene	15.781	166	43871	0.319	ng/ul	98
15) Phenanthrene	17.523	178	1163606	4.955	ng/ul	99
16) Anthracene	17.616	178	184726	0.870	ng/ul	100
19) Fluoranthene	19.529	202	3084307	12.152	ng/ul	98
20) Pyrene	19.896	202	2744921	10.136	ng/ul	98
21) Benzo(a)anthracene	21.641	228	1300622	5.352	ng/ul	99
22) Chrysene	21.697	228	1664146	6.938	ng/ul	98
24) Benzo(b)fluoranthene	23.419	252	3007816	14.408	ng/ul	99
26) Benzo(a)pyrene	24.094	252	1304935	6.927	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.905	276	923851	3.749	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.928	278	205447	1.046	ng/ul	98
29) Benzo(g,h,i)perylene	27.750	276	842458	4.106	ng/ul	99

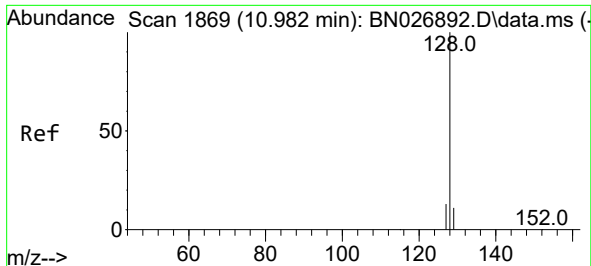
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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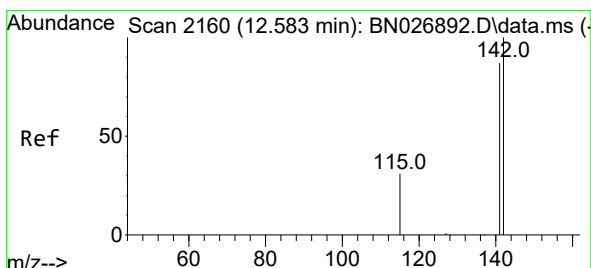
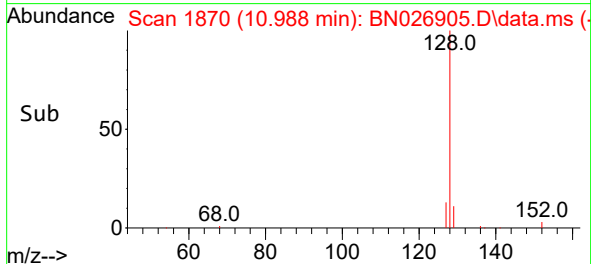
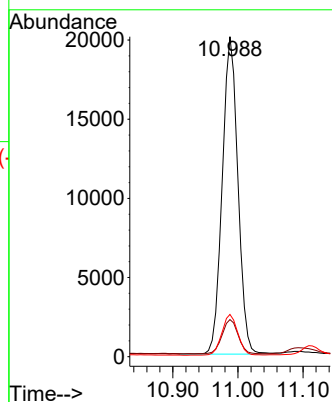
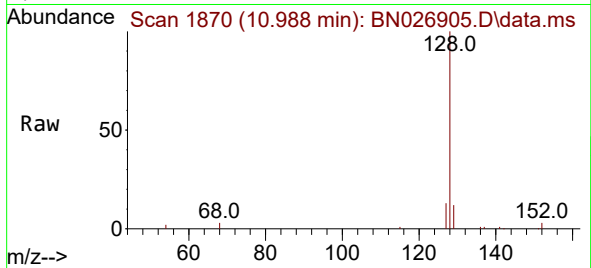




#5
Naphthalene
Concen: 0.222 ng/ul
RT: 10.988 min Scan# 1869
Delta R.T. 0.006 min
Lab File: BN026905.D
Acq: 15 Aug 2023 17:33

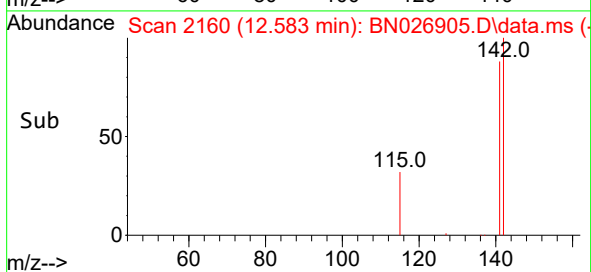
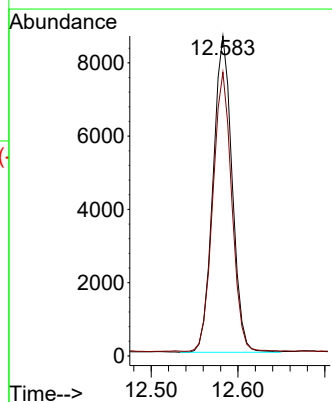
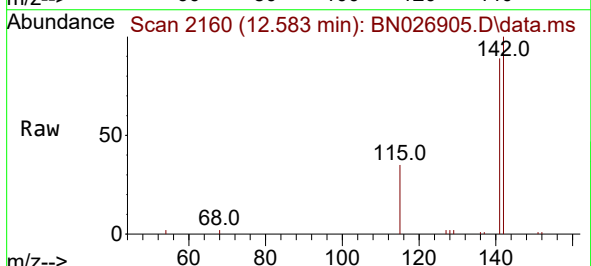
Instrument :
BNA_N
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A48H1

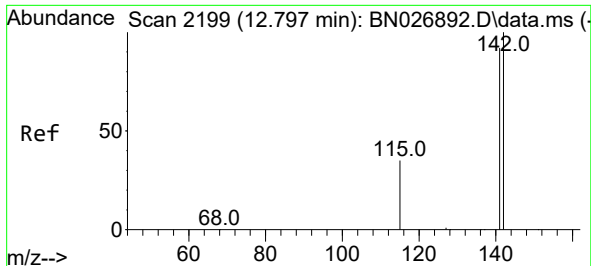
Tgt Ion:128 Resp: 33518
Ion Ratio Lower Upper
128 100
129 11.6 9.2 13.8
127 13.2 10.5 15.7



#7
2-Methylnaphthalene
Concen: 0.144 ng/ul
RT: 12.583 min Scan# 2160
Delta R.T. 0.000 min
Lab File: BN026905.D
Acq: 15 Aug 2023 17:33

Tgt Ion:142 Resp: 13176
Ion Ratio Lower Upper
142 100
141 87.6 70.9 106.3

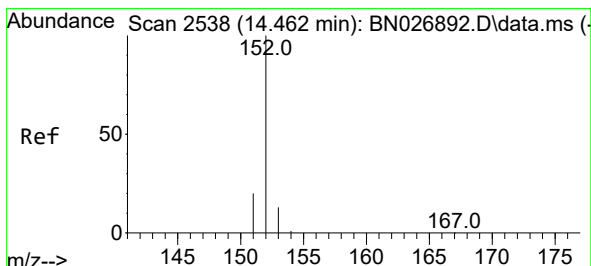
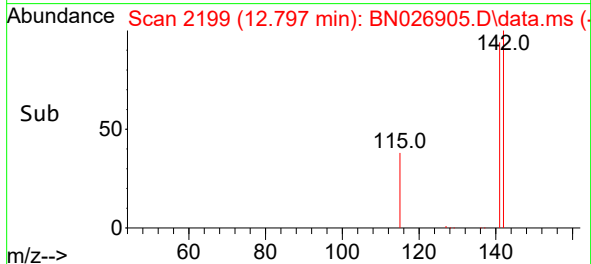
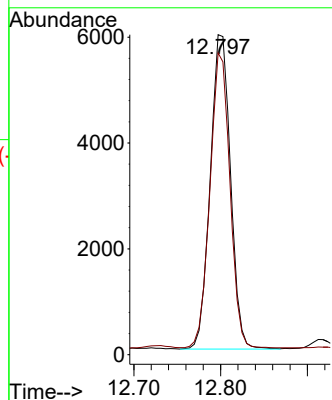
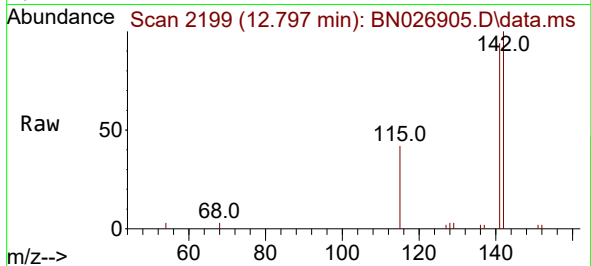




#8
1-Methylnaphthalene
Concen: 0.101 ng/ul
RT: 12.797 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BN026905.D
Acq: 15 Aug 2023 17:33

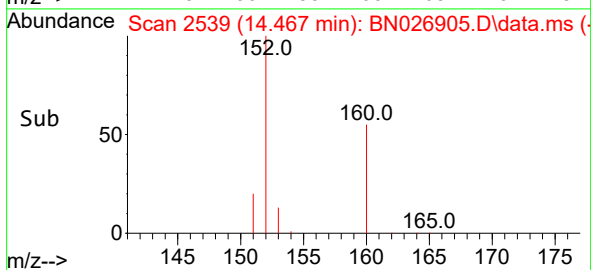
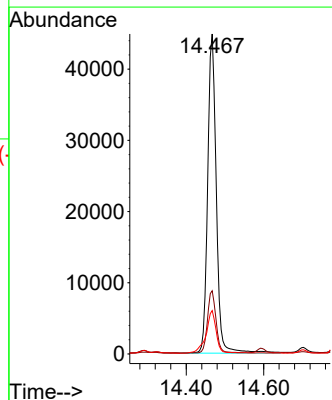
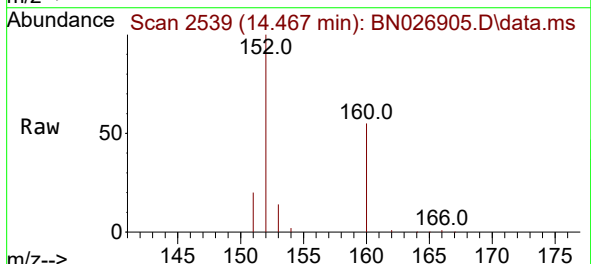
Instrument :
BNA_N
ClientSampleId :
A48H1

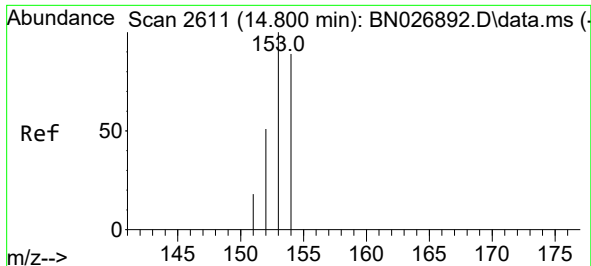
Tgt Ion:142 Resp: 9655
Ion Ratio Lower Upper
142 100
141 92.1 73.2 109.8



#10
Acenaphthylene
Concen: 0.395 ng/ul
RT: 14.467 min Scan# 2539
Delta R.T. 0.005 min
Lab File: BN026905.D
Acq: 15 Aug 2023 17:33

Tgt Ion:152 Resp: 69314
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.5 11.0 16.6

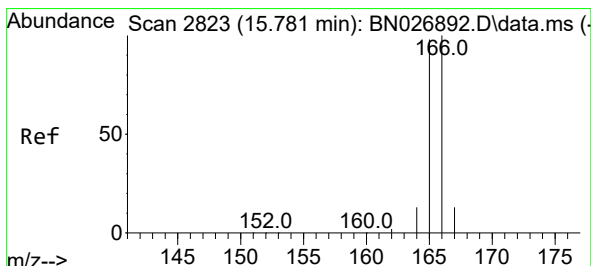
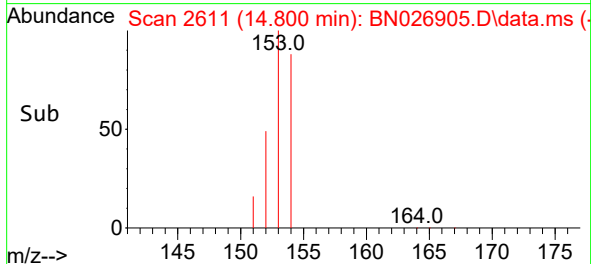
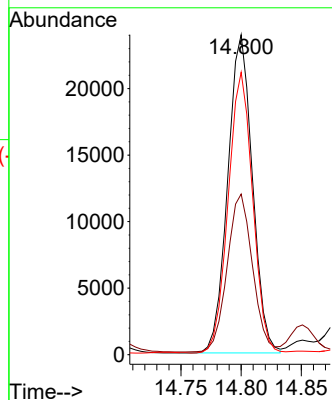
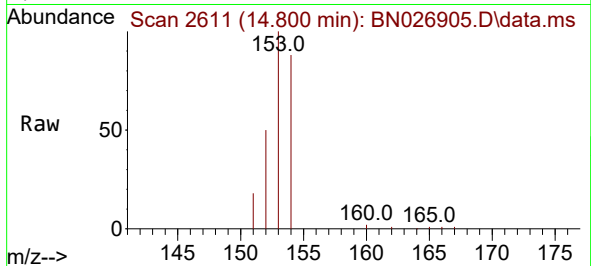




#11
Acenaphthene
Concen: 0.280 ng/ul
RT: 14.800 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN026905.D
Acq: 15 Aug 2023 17:33

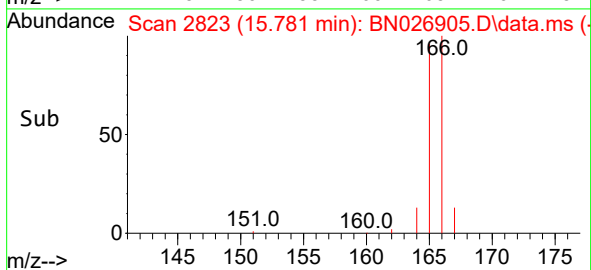
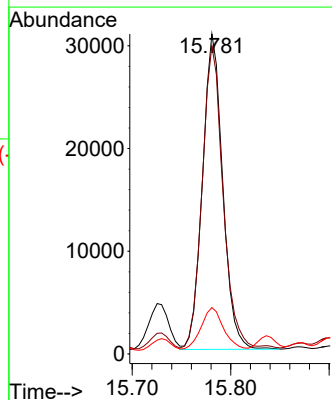
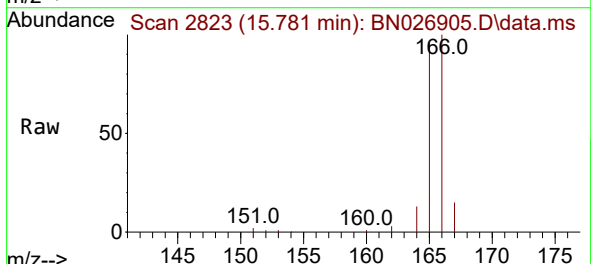
Instrument :
BNA_N
ClientSampleId :
A48H1

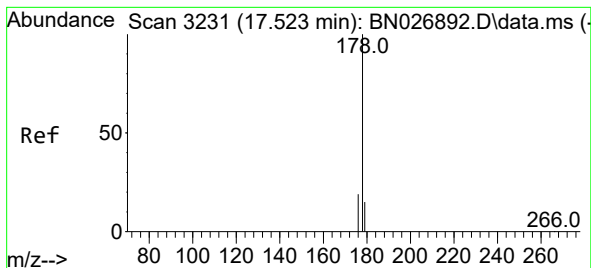
Tgt Ion:153 Resp: 34090
Ion Ratio Lower Upper
153 100
152 50.2 41.1 61.7
154 88.3 71.6 107.4



#12
Fluorene
Concen: 0.319 ng/ul
RT: 15.781 min Scan# 2823
Delta R.T. 0.000 min
Lab File: BN026905.D
Acq: 15 Aug 2023 17:33

Tgt Ion:166 Resp: 43871
Ion Ratio Lower Upper
166 100
165 96.3 79.1 118.7
167 14.5 11.4 17.0





#15

Phenanthrene

Concen: 4.955 ng/ul

RT: 17.523 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN026905.D

Acq: 15 Aug 2023 17:33

Instrument :

BNA_N

ClientSampleId :

A48H1

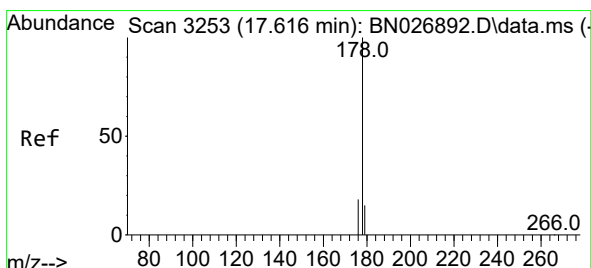
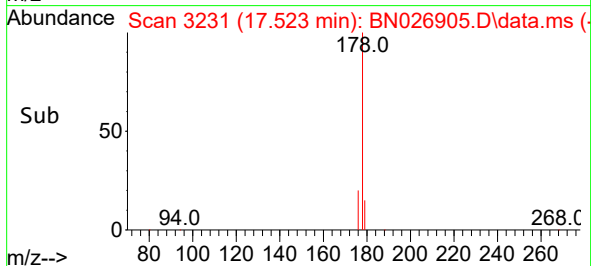
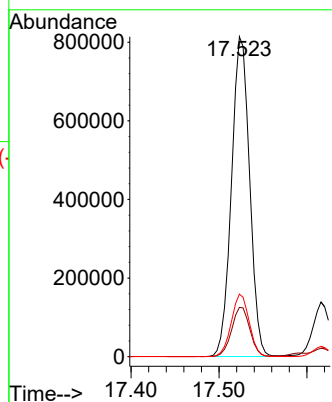
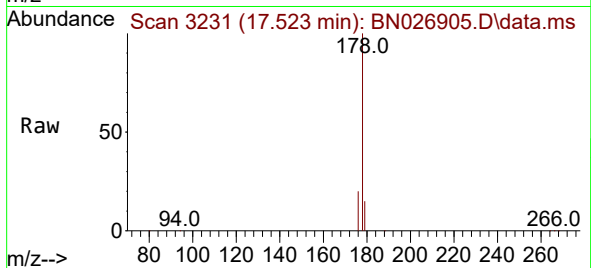
Tgt Ion:178 Resp: 1163606

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

176 19.5 15.4 23.2



#16

Anthracene

Concen: 0.870 ng/ul

RT: 17.616 min Scan# 3253

Delta R.T. 0.000 min

Lab File: BN026905.D

Acq: 15 Aug 2023 17:33

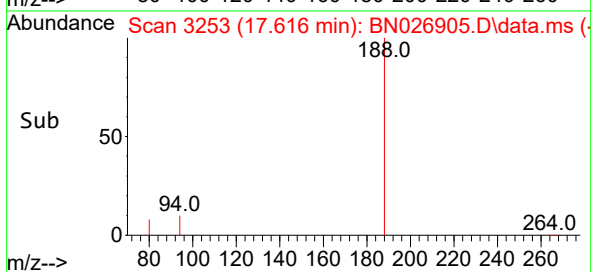
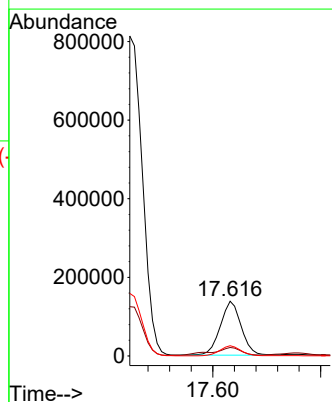
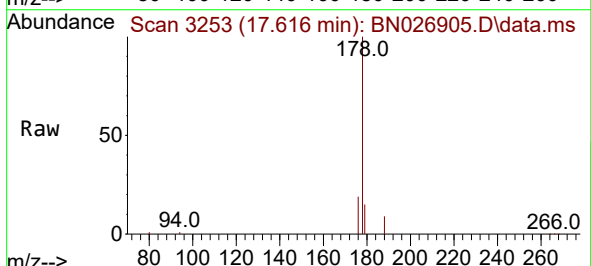
Tgt Ion:178 Resp: 184726

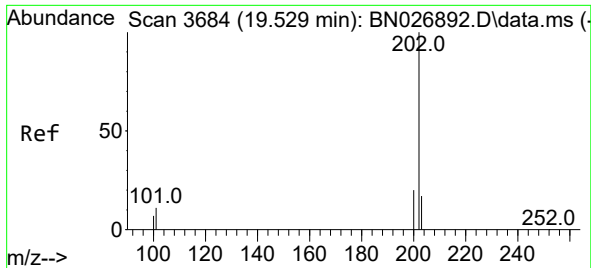
Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

176 18.7 15.0 22.6

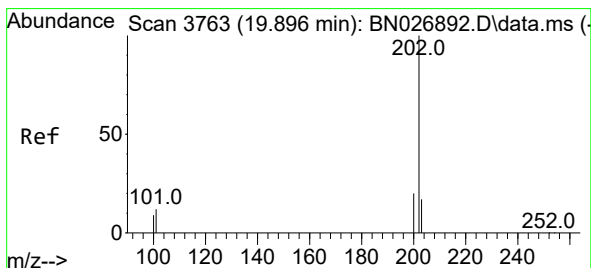
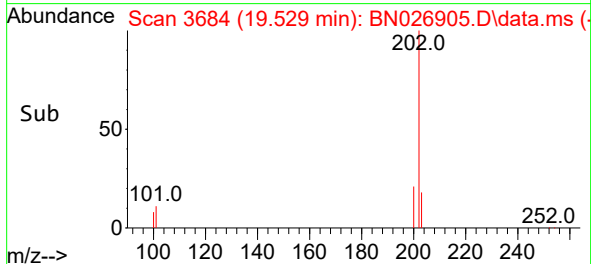
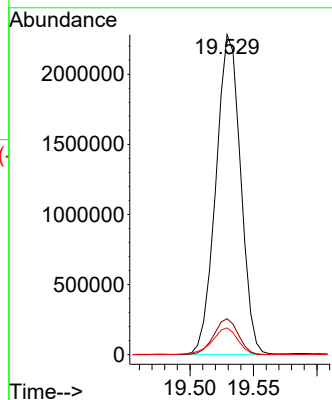
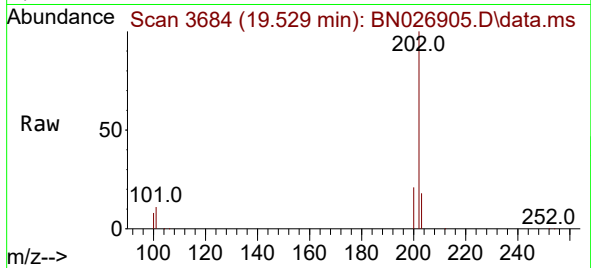




#19
Fluoranthene
Concen: 12.152 ng/ul
RT: 19.529 min Scan# 3684
Delta R.T. 0.000 min
Lab File: BN026905.D
Acq: 15 Aug 2023 17:33

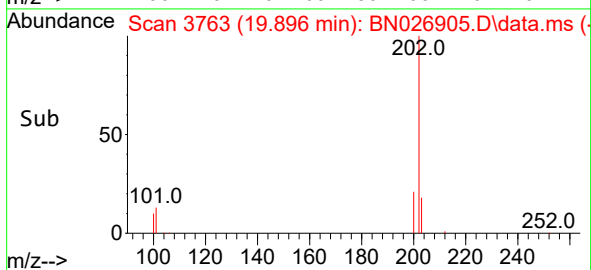
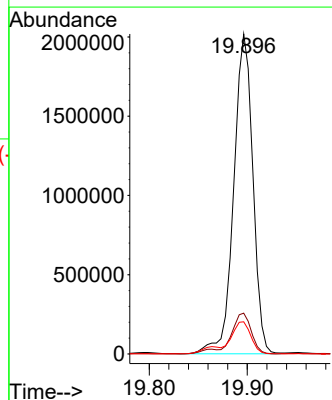
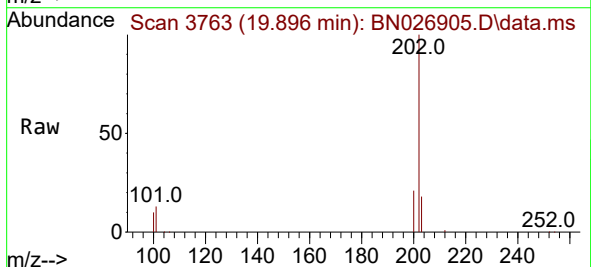
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A48H1

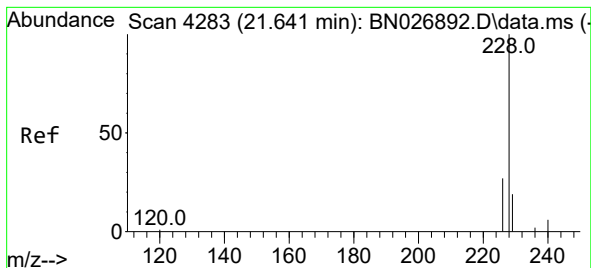
Tgt Ion:202 Resp: 3084307
Ion Ratio Lower Upper
202 100
101 11.2 8.3 12.5
100 8.3 6.2 9.2



#20
Pyrene
Concen: 10.136 ng/ul
RT: 19.896 min Scan# 3763
Delta R.T. 0.000 min
Lab File: BN026905.D
Acq: 15 Aug 2023 17:33

Tgt Ion:202 Resp: 2744921
Ion Ratio Lower Upper
202 100
101 12.7 10.7 16.1
100 10.1 8.5 12.7





#21

Benzo(a)anthracene

Concen: 5.352 ng/ul

RT: 21.641 min Scan# 4302

Delta R.T. 0.000 min

Lab File: BN026905.D

Acq: 15 Aug 2023 17:33

Instrument :

BNA_N

ClientSampleId :

A48H1

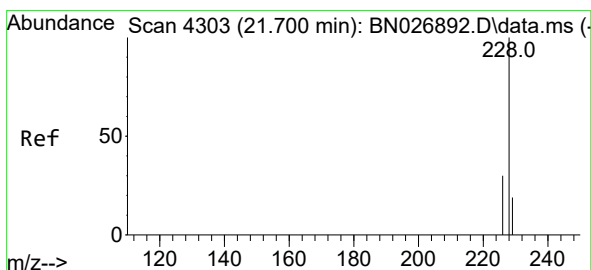
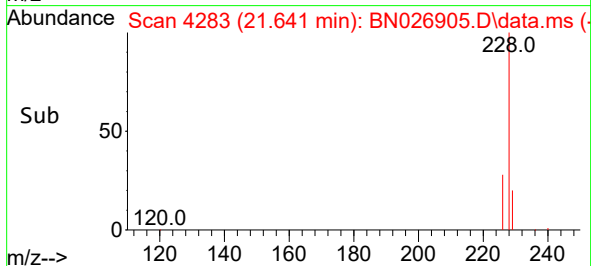
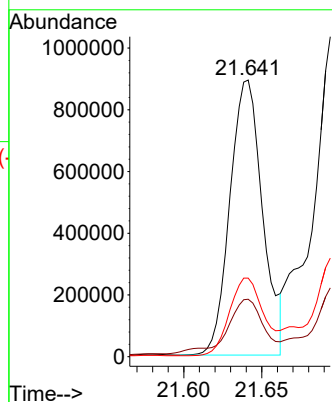
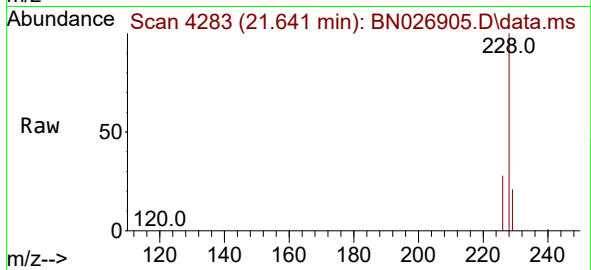
Tgt Ion:228 Resp: 1300622

Ion Ratio Lower Upper

228 100

229 20.8 16.0 24.0

226 28.4 22.2 33.2



#22

Chrysene

Concen: 6.938 ng/ul

RT: 21.697 min Scan# 4302

Delta R.T. -0.003 min

Lab File: BN026905.D

Acq: 15 Aug 2023 17:33

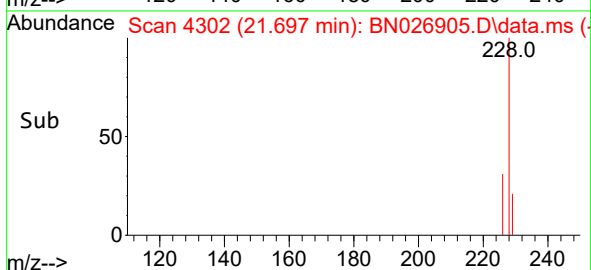
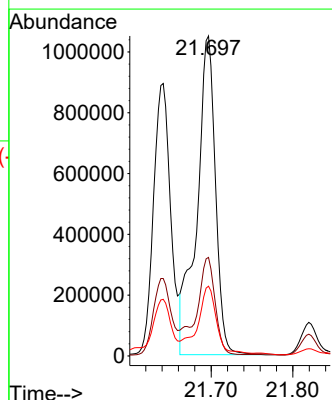
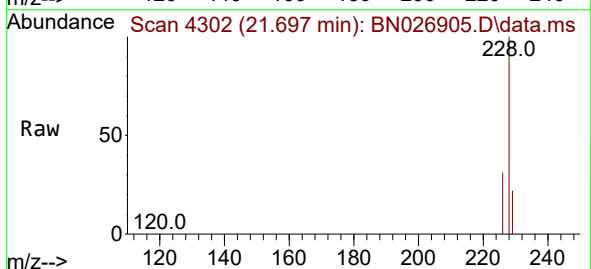
Tgt Ion:228 Resp: 1664146

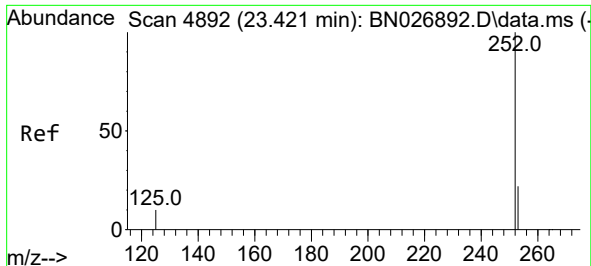
Ion Ratio Lower Upper

228 100

226 30.8 24.6 36.8

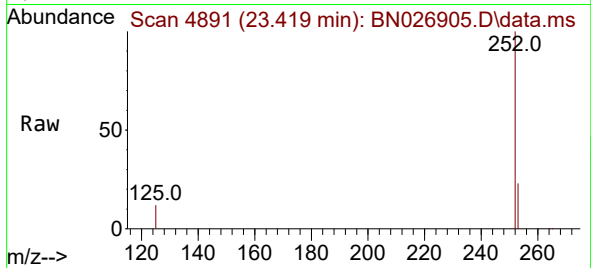
229 21.8 15.8 23.6



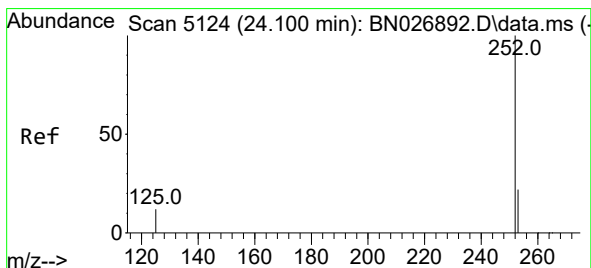
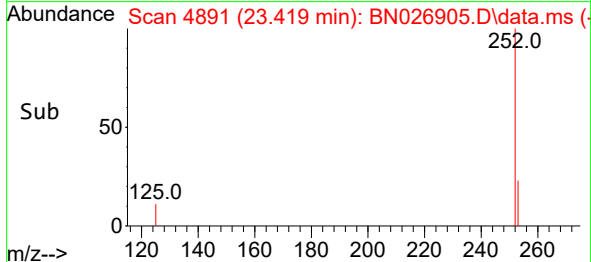
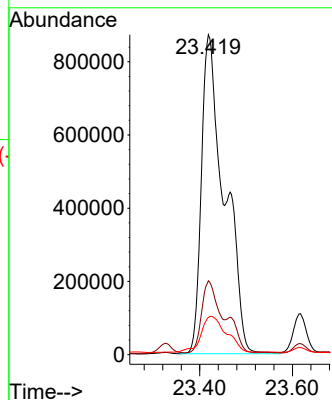


#24
Benzo(b)fluoranthene
Concen: 14.408 ng/ul
RT: 23.419 min Scan# 4891
Delta R.T. -0.003 min
Lab File: BN026905.D
Acq: 15 Aug 2023 17:33

Instrument :
BNA_N
ClientSampleId :
A48H1

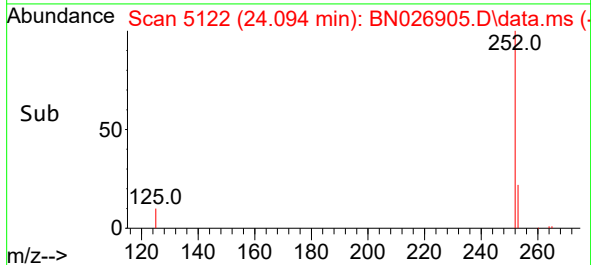
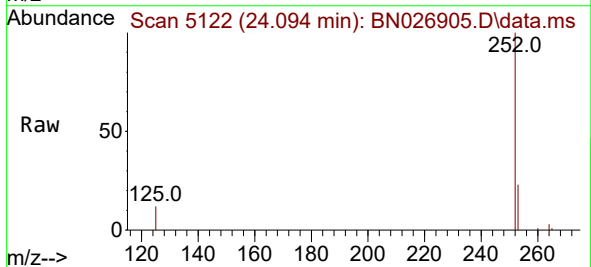
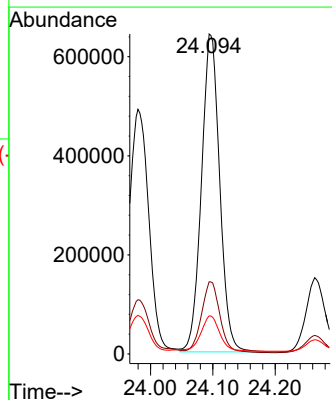


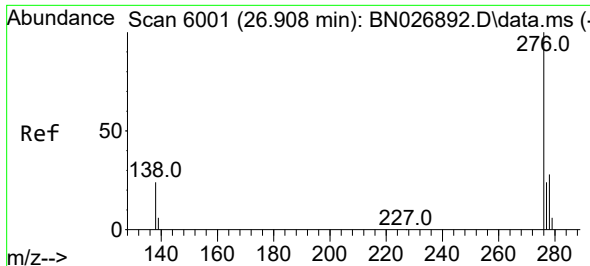
Tgt Ion:252 Resp: 3007816
Ion Ratio Lower Upper
252 100
253 23.1 0.0 46.8
125 11.7 0.0 25.2



#26
Benzo(a)pyrene
Concen: 6.927 ng/ul
RT: 24.094 min Scan# 5122
Delta R.T. -0.006 min
Lab File: BN026905.D
Acq: 15 Aug 2023 17:33

Tgt Ion:252 Resp: 1304935
Ion Ratio Lower Upper
252 100
253 22.5 19.0 28.6
125 11.9 11.4 17.0





#27

Indeno(1,2,3-cd)pyrene

Concen: 3.749 ng/ul

RT: 26.905 min Scan# 6000

Delta R.T. -0.003 min

Lab File: BN026905.D

Acq: 15 Aug 2023 17:33

Instrument :

BNA_N

ClientSampleId :

A48H1

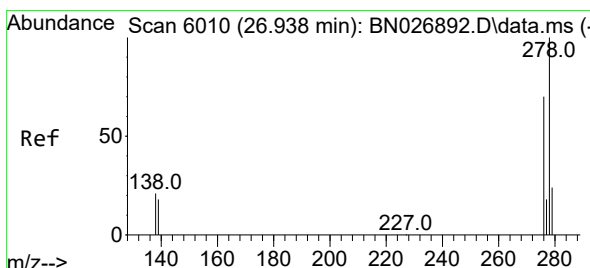
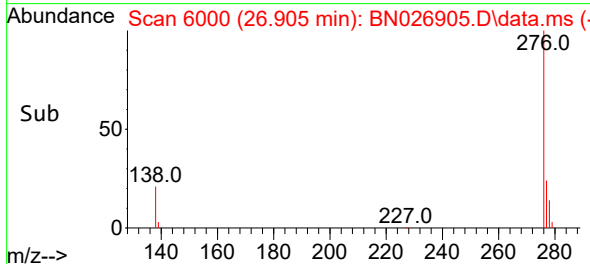
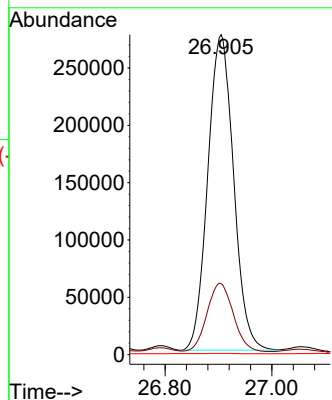
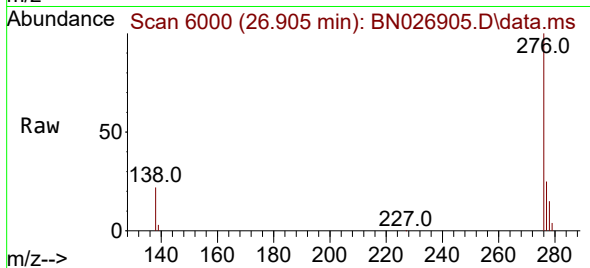
Tgt Ion:276 Resp: 923851

Ion Ratio Lower Upper

276 100

138 22.0 21.6 32.4

227 0.2 0.0 0.0#



#28

Dibenzo(a,h)anthracene

Concen: 1.046 ng/ul

RT: 26.928 min Scan# 6007

Delta R.T. -0.010 min

Lab File: BN026905.D

Acq: 15 Aug 2023 17:33

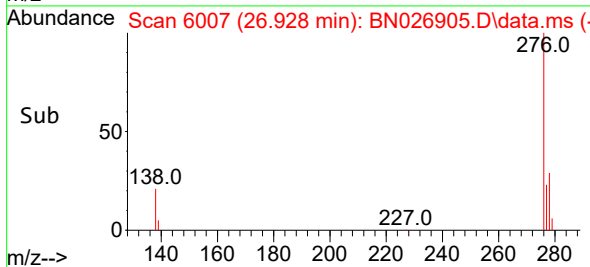
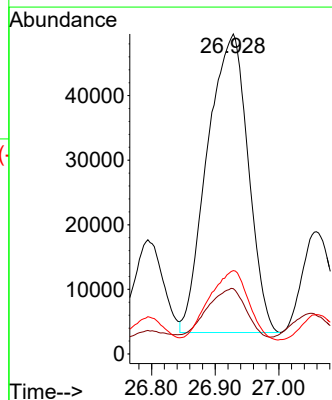
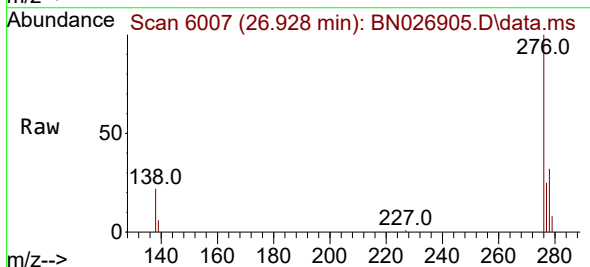
Tgt Ion:278 Resp: 205447

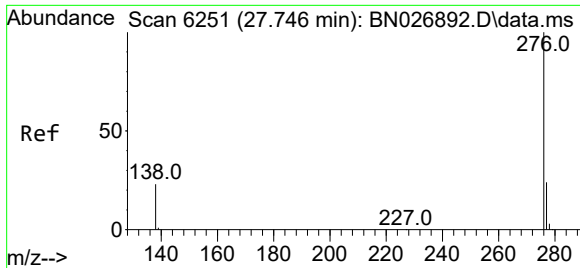
Ion Ratio Lower Upper

278 100

139 20.4 15.7 23.5

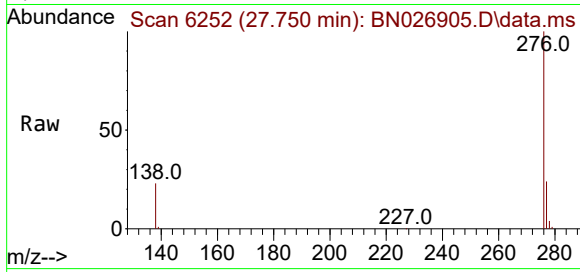
279 26.1 20.2 30.4





#29
Benzo(g,h,i)perylene
Concen: 4.106 ng/ul
RT: 27.750 min Scan# 61
Delta R.T. 0.004 min
Lab File: BN026905.D
Acq: 15 Aug 2023 17:33

Instrument :
BNA_N
ClientSampleId :
A48H1



Tgt Ion:276 Resp: 842458
Ion Ratio Lower Upper
276 100
138 23.3 19.3 28.9
277 24.2 19.8 29.8

