

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081523\
 Data File : BN026903.D
 Acq On : 15 Aug 2023 16:18
 Operator : MA/JU
 Sample : 03965-02MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4832MS

Quant Time: Aug 16 00:54:08 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)

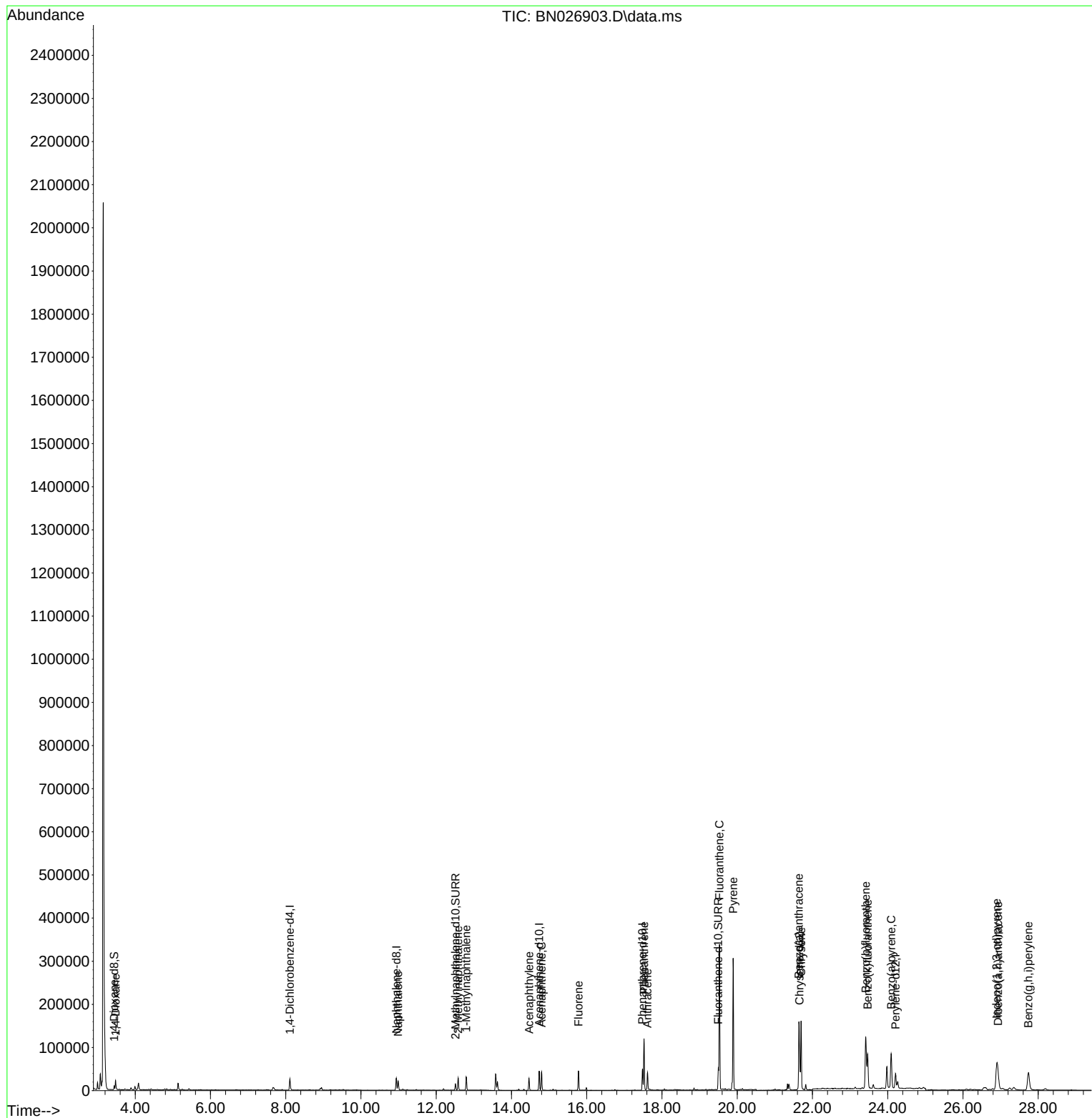
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	12985	0.400	ng/ul	0.00
4) Naphthalene-d8	10.938	136	40534	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.735	164	25050	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.481	188	59121	0.400	ng/ul	0.00
17) Chrysene-d12	21.656	240	53123	0.400	ng/ul	0.00
23) Perylene-d12	24.208	264	53293	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	6462	0.419	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.511	152	18187	0.305	ng/ul	0.00
18) Fluoranthene-d10	19.497	212	52222	0.311	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.477	88	15457	0.982	ng/ul#	91
5) Naphthalene	10.988	128	30383	0.265	ng/ul	99
7) 2-Methylnaphthalene	12.583	142	19653	0.283	ng/ul	100
8) 1-Methylnaphthalene	12.797	142	21083	0.290	ng/ul	100
10) Acenaphthylene	14.467	152	31531	0.225	ng/ul	99
11) Acenaphthene	14.800	153	24585	0.253	ng/ul	99
12) Fluorene	15.781	166	28943	0.263	ng/ul	98
15) Phenanthrene	17.523	178	125068	0.644	ng/ul	100
16) Anthracene	17.616	178	47614	0.271	ng/ul	100
19) Fluoranthene	19.529	202	283808	1.286	ng/ul	100
20) Pyrene	19.892	202	260716	1.107	ng/ul	99
21) Benzo(a)anthracene	21.638	228	151793	0.718	ng/ul	100
22) Chrysene	21.697	228	155632	0.746	ng/ul	99
24) Benzo(b)fluoranthene	23.416	252	218622	1.085	ng/ul	99
25) Benzo(k)fluoranthene	23.465	252	106353	0.535	ng/ul	100
26) Benzo(a)pyrene	24.091	252	136273	0.749	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.898	276	132994	0.559	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.931	278	60991	0.322	ng/ul	100
29) Benzo(g,h,i)perylene	27.739	276	103366	0.522	ng/ul	100

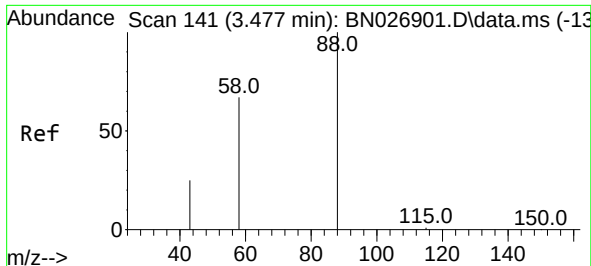
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

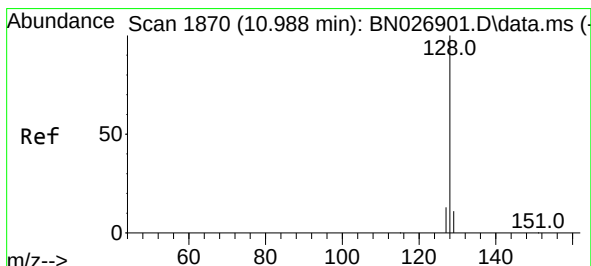
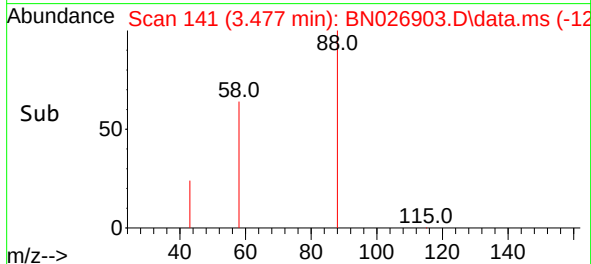
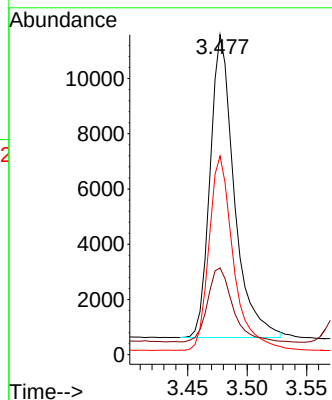
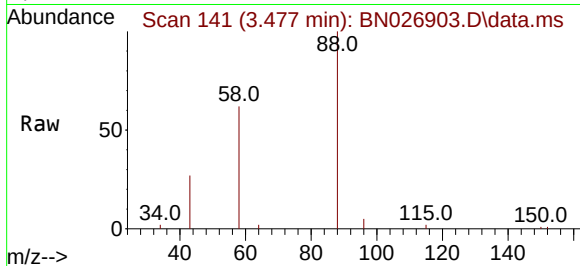




#2
1,4-Dioxane
Concen: 0.982 ng/ul
RT: 3.477 min Scan# 141
Delta R.T. 0.004 min
Lab File: BN026903.D
Acq: 15 Aug 2023 16:18

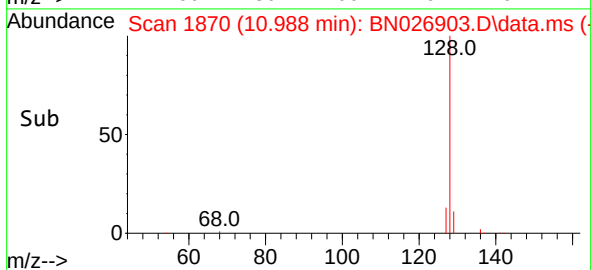
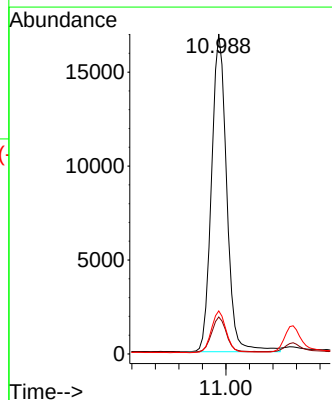
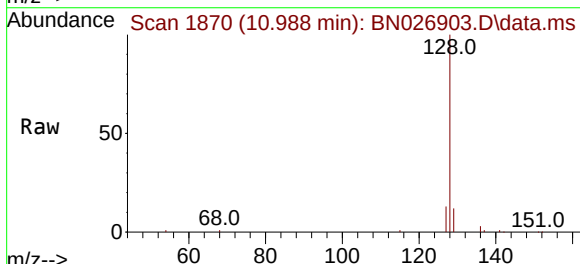
Instrument :
BNA_N
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A4832MS

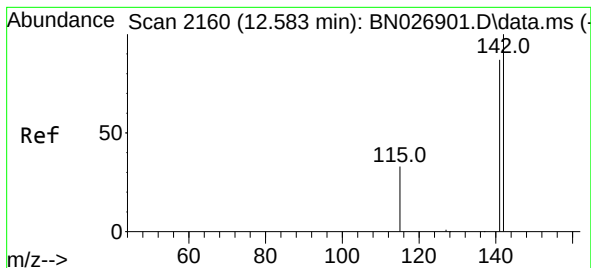
Tgt Ion: 88 Resp: 15457
Ion Ratio Lower Upper
88 100
43 27.1 28.0 42.0#
58 62.1 46.0 69.0



#5
Naphthalene
Concen: 0.265 ng/ul
RT: 10.988 min Scan# 1870
Delta R.T. 0.006 min
Lab File: BN026903.D
Acq: 15 Aug 2023 16:18

Tgt Ion: 128 Resp: 30383
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.4 10.5 15.7

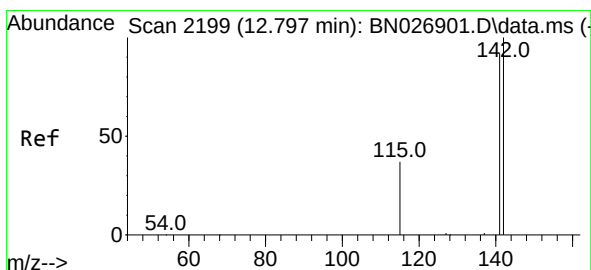
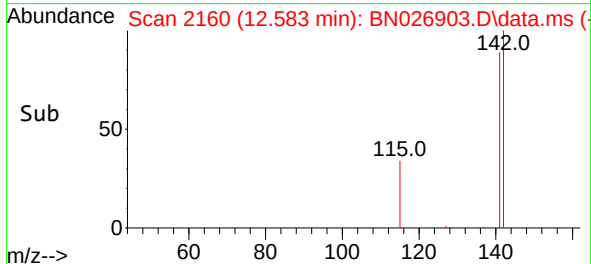
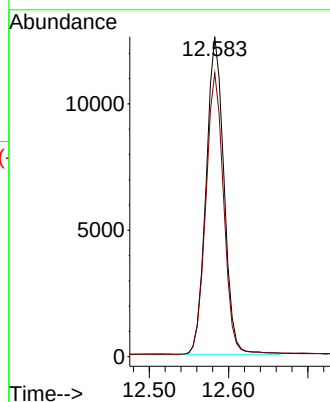
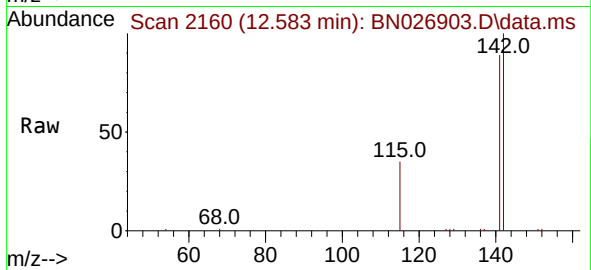




#7
2-Methylnaphthalene
Concen: 0.283 ng/ul
RT: 12.583 min Scan# 2160
Delta R.T. 0.000 min
Lab File: BN026903.D
Acq: 15 Aug 2023 16:18

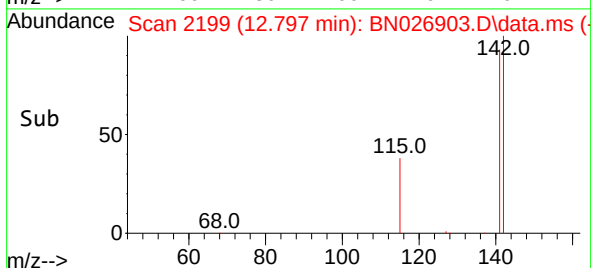
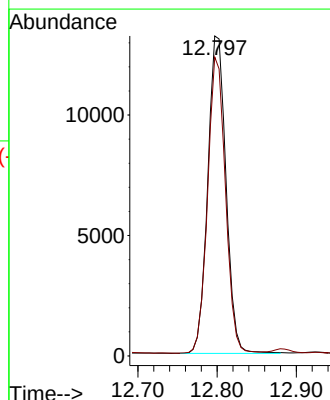
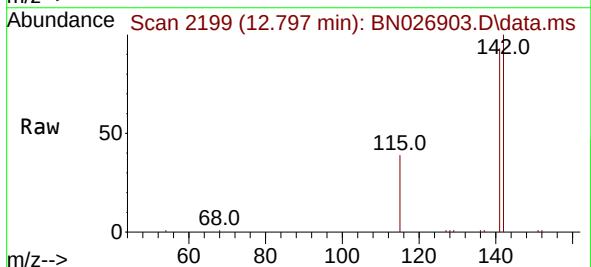
Instrument :
BNA_N
ClientSampleId :
A4832MS

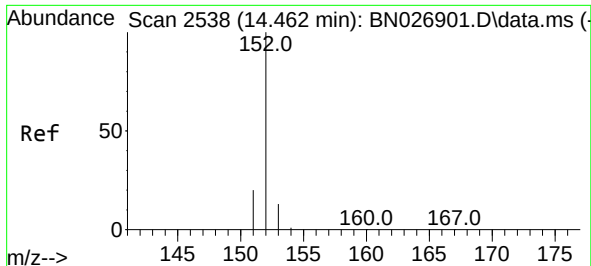
Tgt Ion:142 Resp: 19653
Ion Ratio Lower Upper
142 100
141 88.8 70.9 106.3



#8
1-Methylnaphthalene
Concen: 0.290 ng/ul
RT: 12.797 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BN026903.D
Acq: 15 Aug 2023 16:18

Tgt Ion:142 Resp: 21083
Ion Ratio Lower Upper
142 100
141 91.2 73.2 109.8

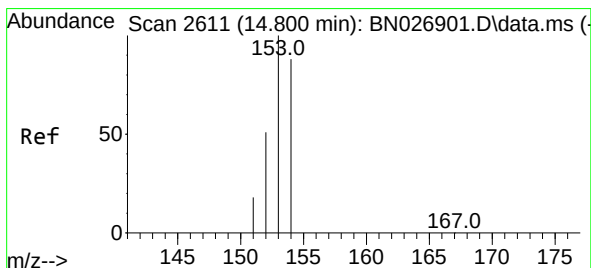
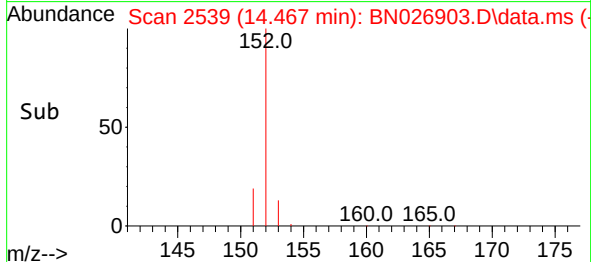
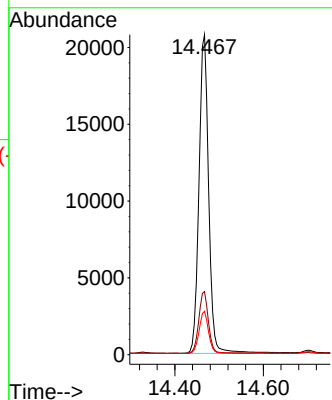
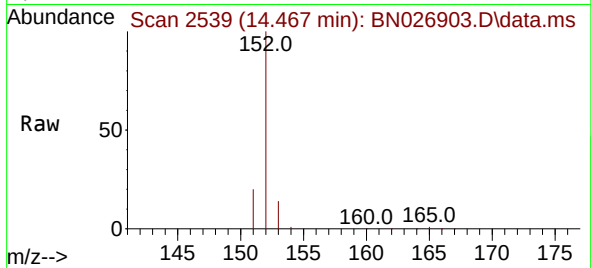




#10
Acenaphthylene
Concen: 0.225 ng/ul
RT: 14.467 min Scan# 2538
Delta R.T. 0.005 min
Lab File: BN026903.D
Acq: 15 Aug 2023 16:18

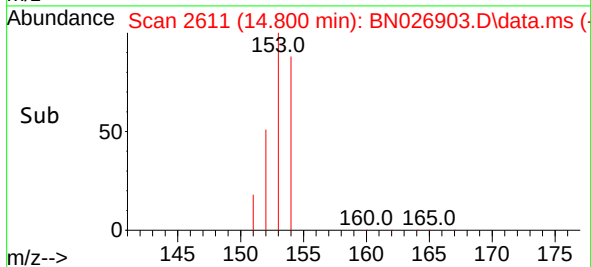
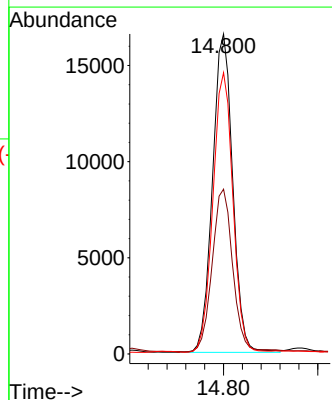
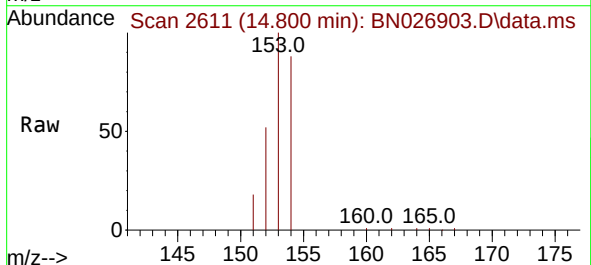
Instrument :
BNA_N
ClientSampleId :
A4832MS

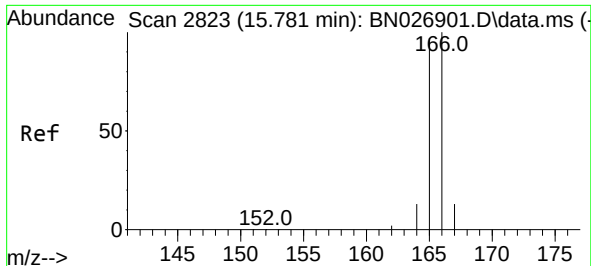
Tgt Ion:152 Resp: 31531
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.5 11.0 16.6



#11
Acenaphthene
Concen: 0.253 ng/ul
RT: 14.800 min Scan# 2611
Delta R.T. 0.000 min
Lab File: BN026903.D
Acq: 15 Aug 2023 16:18

Tgt Ion:153 Resp: 24585
Ion Ratio Lower Upper
153 100
152 51.5 41.1 61.7
154 87.9 71.6 107.4

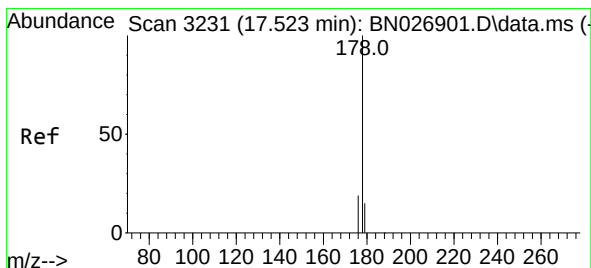
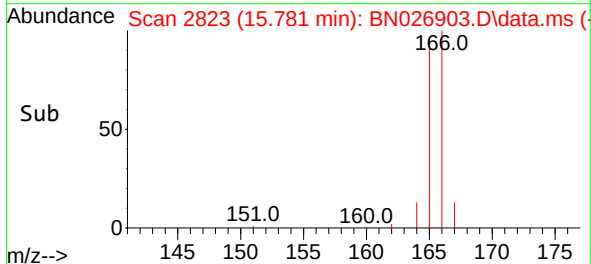
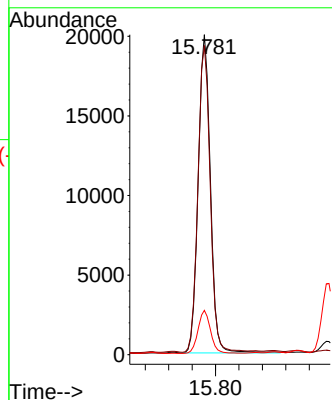
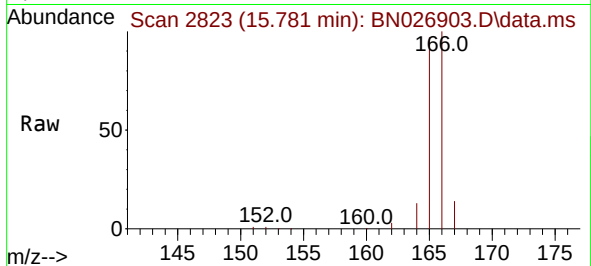




#12
Fluorene
Concen: 0.263 ng/ul
RT: 15.781 min Scan# 2823
Delta R.T. 0.000 min
Lab File: BN026903.D
Acq: 15 Aug 2023 16:18

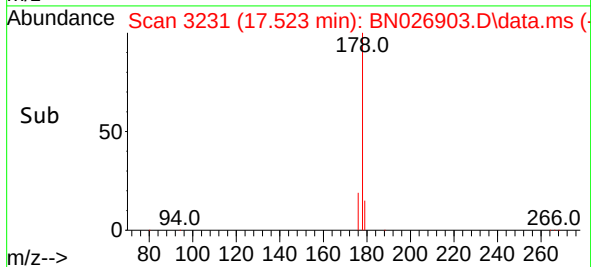
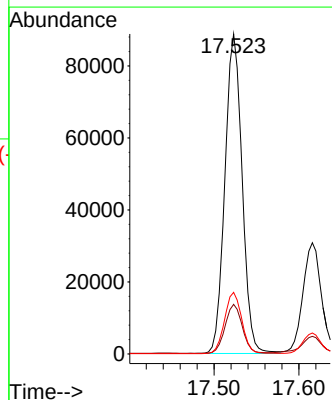
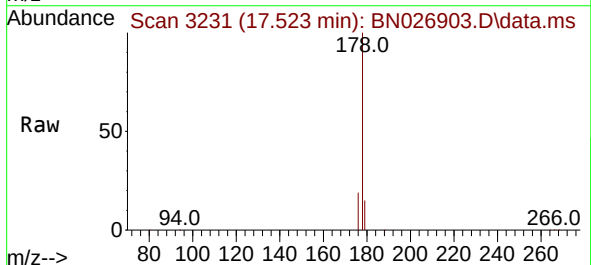
Instrument :
BNA_N
ClientSampleId :
A4832MS

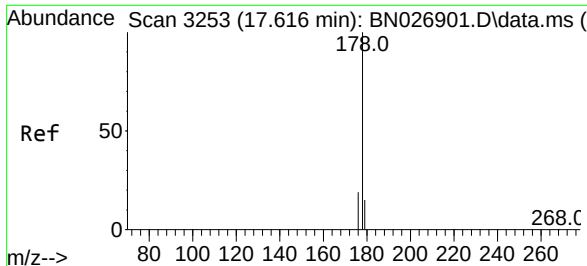
Tgt Ion:166 Resp: 28943
Ion Ratio Lower Upper
166 100
165 96.6 79.1 118.7
167 13.8 11.4 17.0



#15
Phenanthrene
Concen: 0.644 ng/ul
RT: 17.523 min Scan# 3231
Delta R.T. 0.000 min
Lab File: BN026903.D
Acq: 15 Aug 2023 16:18

Tgt Ion:178 Resp: 125068
Ion Ratio Lower Upper
178 100
179 15.5 12.6 18.8
176 19.2 15.4 23.2

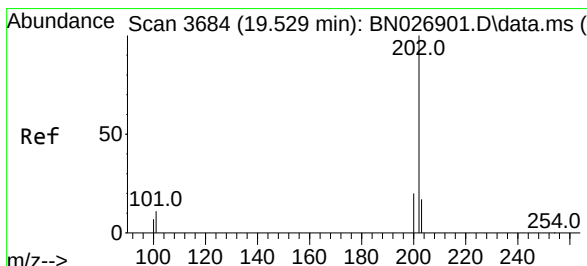
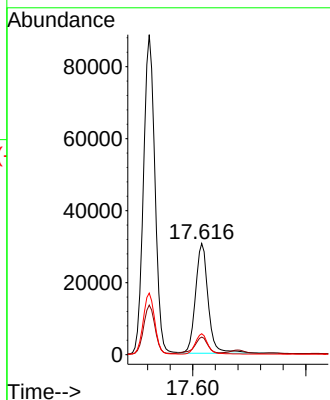
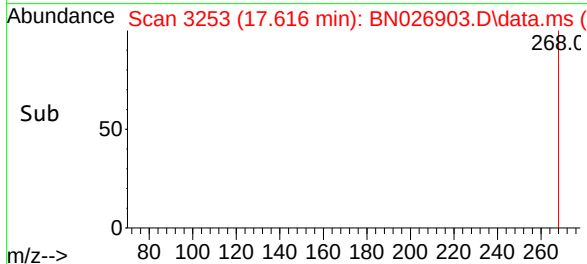
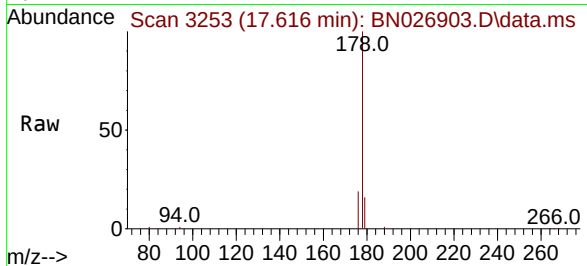




#16
 Anthracene
 Concen: 0.271 ng/ul
 RT: 17.616 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BN026903.D
 Acq: 15 Aug 2023 16:18

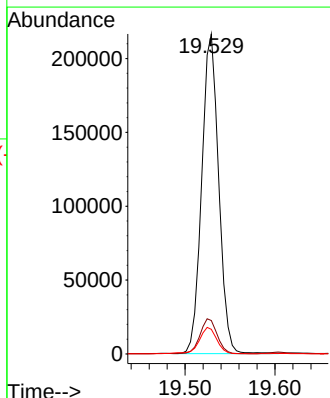
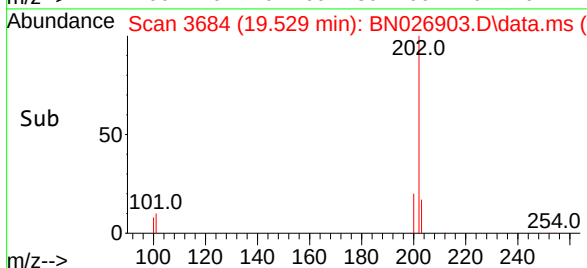
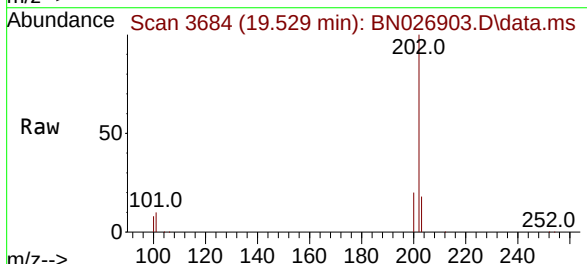
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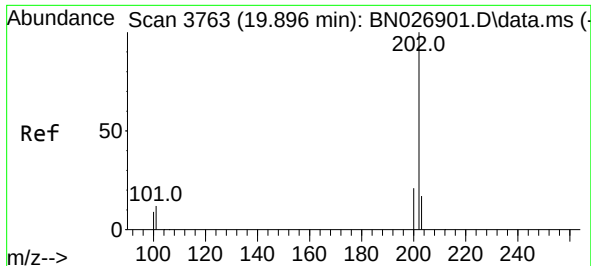
Tgt Ion:178 Resp: 47614
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.6 19.0
 176 18.8 15.0 22.6



#19
 Fluoranthene
 Concen: 1.286 ng/ul
 RT: 19.529 min Scan# 3684
 Delta R.T. 0.000 min
 Lab File: BN026903.D
 Acq: 15 Aug 2023 16:18

Tgt Ion:202 Resp: 283808
 Ion Ratio Lower Upper
 202 100
 101 10.5 8.3 12.5
 100 7.7 6.2 9.2

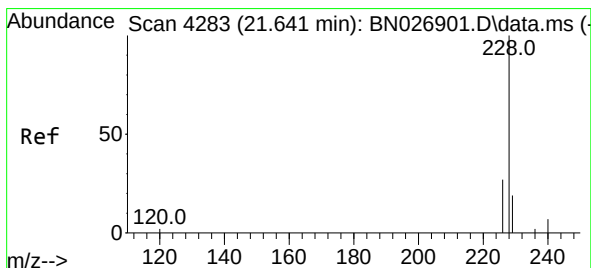
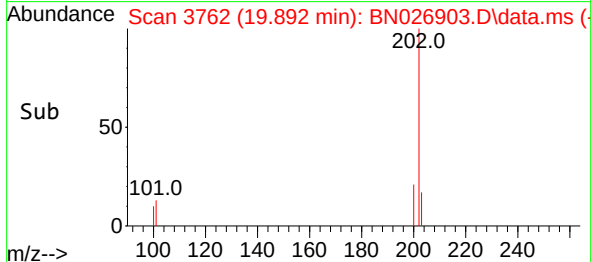
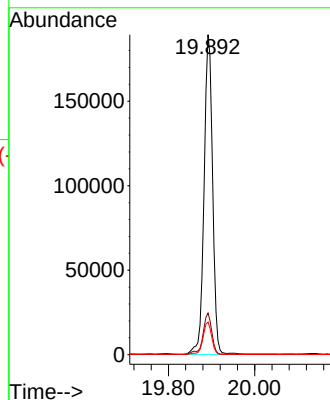
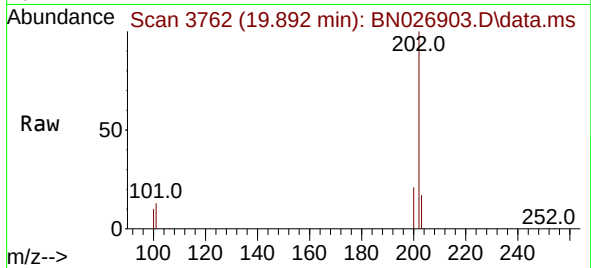




#20
Pyrene
Concen: 1.107 ng/ul
RT: 19.892 min Scan# 3762
Delta R.T. -0.005 min
Lab File: BN026903.D
Acq: 15 Aug 2023 16:18

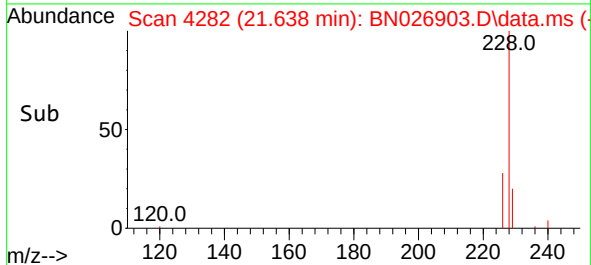
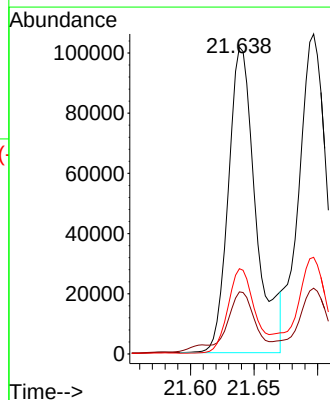
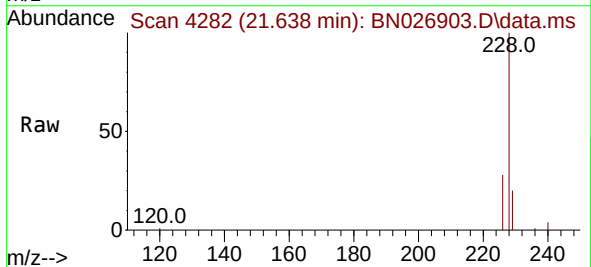
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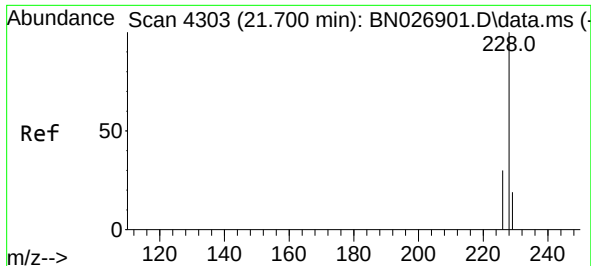
Tgt Ion:202 Resp: 260716
Ion Ratio Lower Upper
202 100
101 13.0 10.7 16.1
100 10.2 8.5 12.7



#21
Benzo(a)anthracene
Concen: 0.718 ng/ul
RT: 21.638 min Scan# 4282
Delta R.T. -0.003 min
Lab File: BN026903.D
Acq: 15 Aug 2023 16:18

Tgt Ion:228 Resp: 151793
Ion Ratio Lower Upper
228 100
229 20.2 16.0 24.0
226 27.8 22.2 33.2





#22

Chrysene

Concen: 0.746 ng/ul

RT: 21.697 min Scan# 41

Delta R.T. -0.003 min

Lab File: BN026903.D

Acq: 15 Aug 2023 16:18

Instrument :

BNA_N

ClientSampleId :

A4832MS

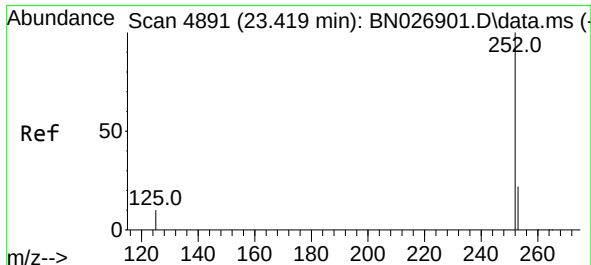
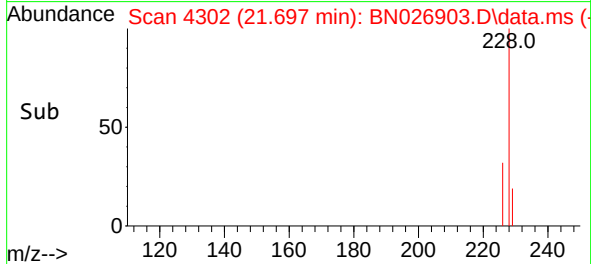
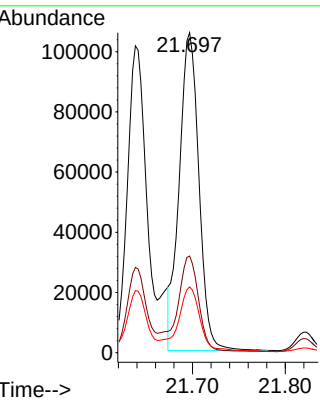
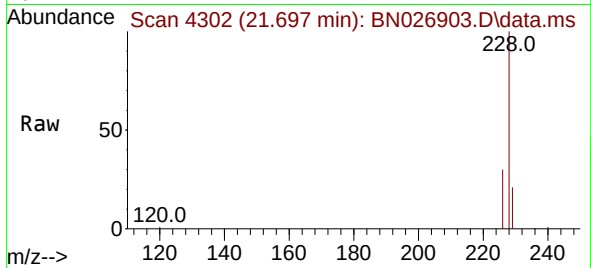
Tgt Ion:228 Resp: 155632

Ion Ratio Lower Upper

228 100

226 30.2 24.6 36.8

229 20.5 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 1.085 ng/ul

RT: 23.416 min Scan# 4890

Delta R.T. -0.006 min

Lab File: BN026903.D

Acq: 15 Aug 2023 16:18

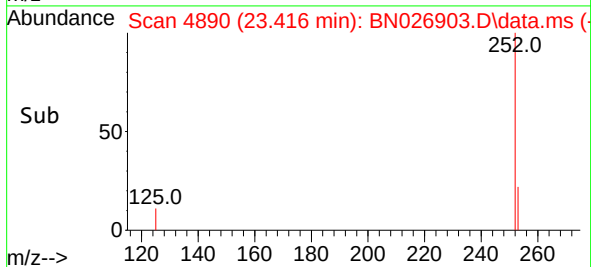
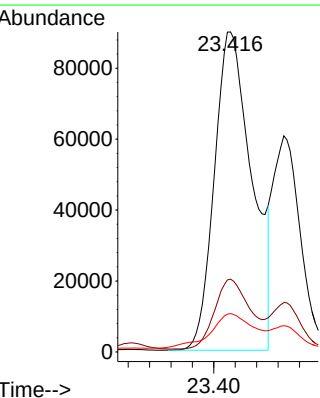
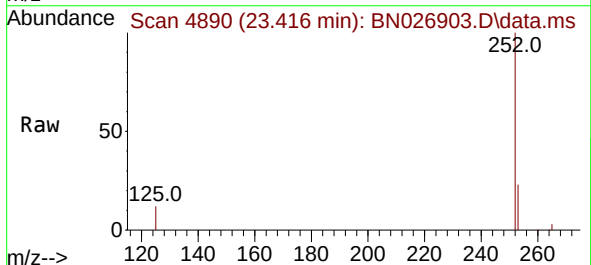
Tgt Ion:252 Resp: 218622

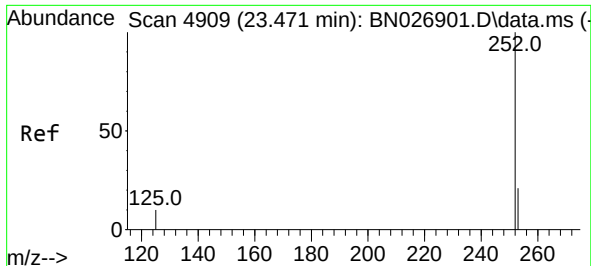
Ion Ratio Lower Upper

252 100

253 22.8 0.0 46.8

125 12.0 0.0 25.2

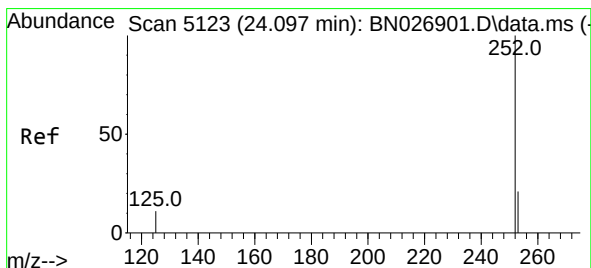
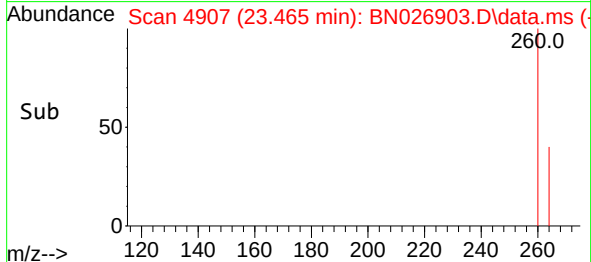
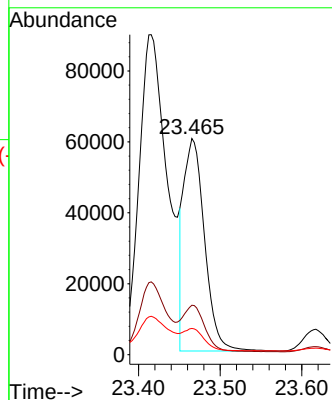
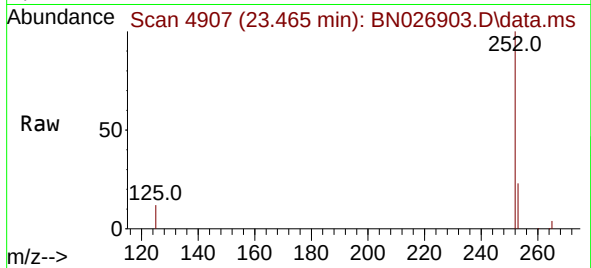




#25
Benzo(k)fluoranthene
Concen: 0.535 ng/ul
RT: 23.465 min Scan# 4909
Delta R.T. -0.009 min
Lab File: BN026903.D
Acq: 15 Aug 2023 16:18

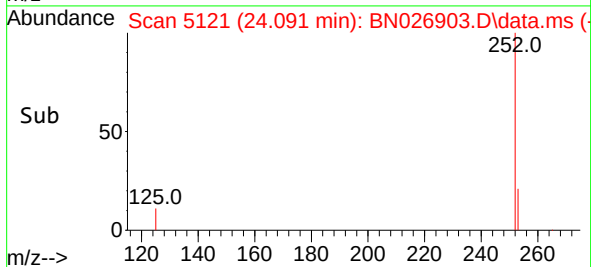
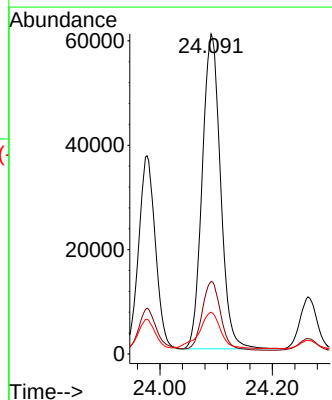
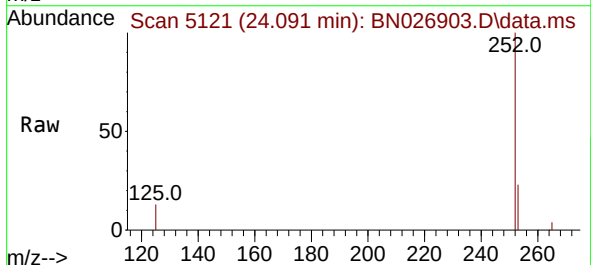
Instrument :
BNA_N
ClientSampleId :
A4832MS

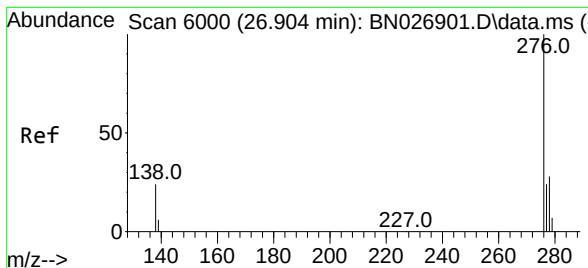
Tgt Ion:252 Resp: 106353
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.4
125 12.2 9.9 14.9



#26
Benzo(a)pyrene
Concen: 0.749 ng/ul
RT: 24.091 min Scan# 5121
Delta R.T. -0.009 min
Lab File: BN026903.D
Acq: 15 Aug 2023 16:18

Tgt Ion:252 Resp: 136273
Ion Ratio Lower Upper
252 100
253 22.6 19.0 28.6
125 13.0 11.4 17.0





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.559 ng/ul

RT: 26.898 min Scan# 5998

Delta R.T. -0.010 min

Lab File: BN026903.D

Acq: 15 Aug 2023 16:18

Instrument :

BNA_N

ClientSampleId :

A4832MS

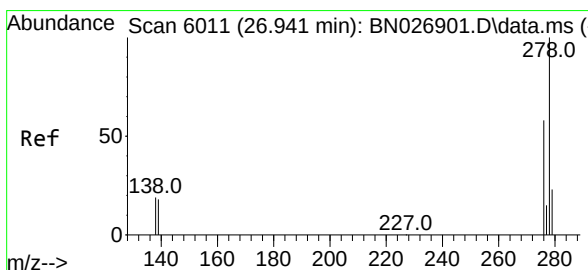
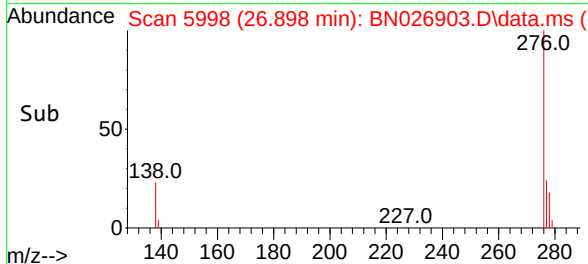
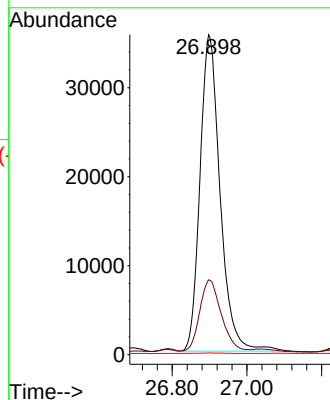
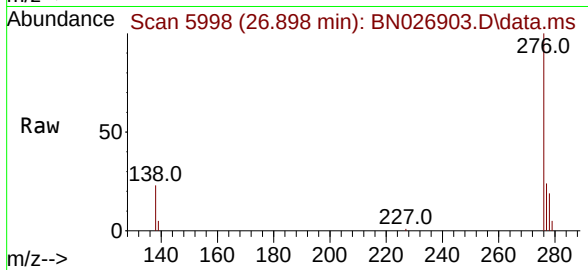
Tgt Ion:276 Resp: 132994

Ion Ratio Lower Upper

276 100

138 24.5 21.6 32.4

227 0.2 0.0 0.0#



#28

Dibenzo(a,h)anthracene

Concen: 0.322 ng/ul

RT: 26.931 min Scan# 6008

Delta R.T. -0.007 min

Lab File: BN026903.D

Acq: 15 Aug 2023 16:18

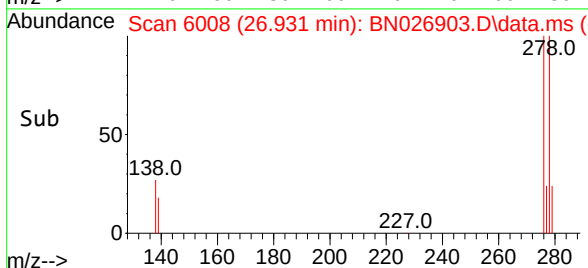
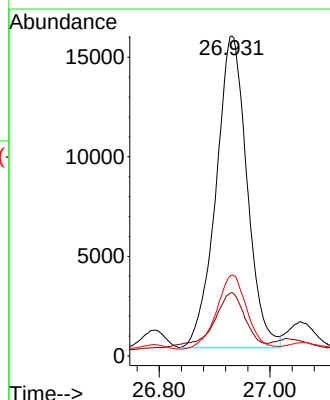
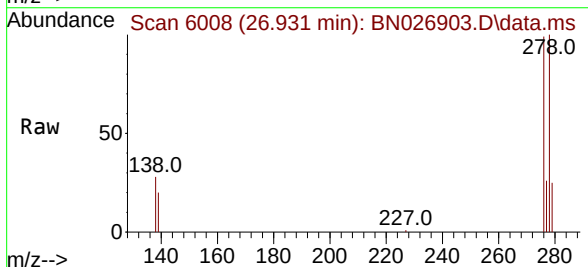
Tgt Ion:278 Resp: 60991

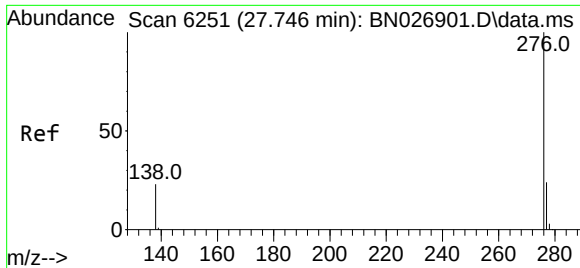
Ion Ratio Lower Upper

278 100

139 19.8 15.7 23.5

279 25.3 20.2 30.4





#29
 Benzo(g,h,i)perylene
 Concen: 0.522 ng/ul
 RT: 27.739 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN026903.D
 Acq: 15 Aug 2023 16:18

Instrument :
 BNA_N
 ClientSampleId :
 A4832MS

Tgt Ion:	276	Resp:	103366
Ion	Ratio	Lower	Upper
276	100		
138	24.2	19.3	28.9
277	24.4	19.8	29.8

