

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081523\
 Data File : BN026904.D
 Acq On : 15 Aug 2023 16:55
 Operator : MA/JU
 Sample : 03965-03MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4832MSD

Quant Time: Aug 16 00:54:18 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)

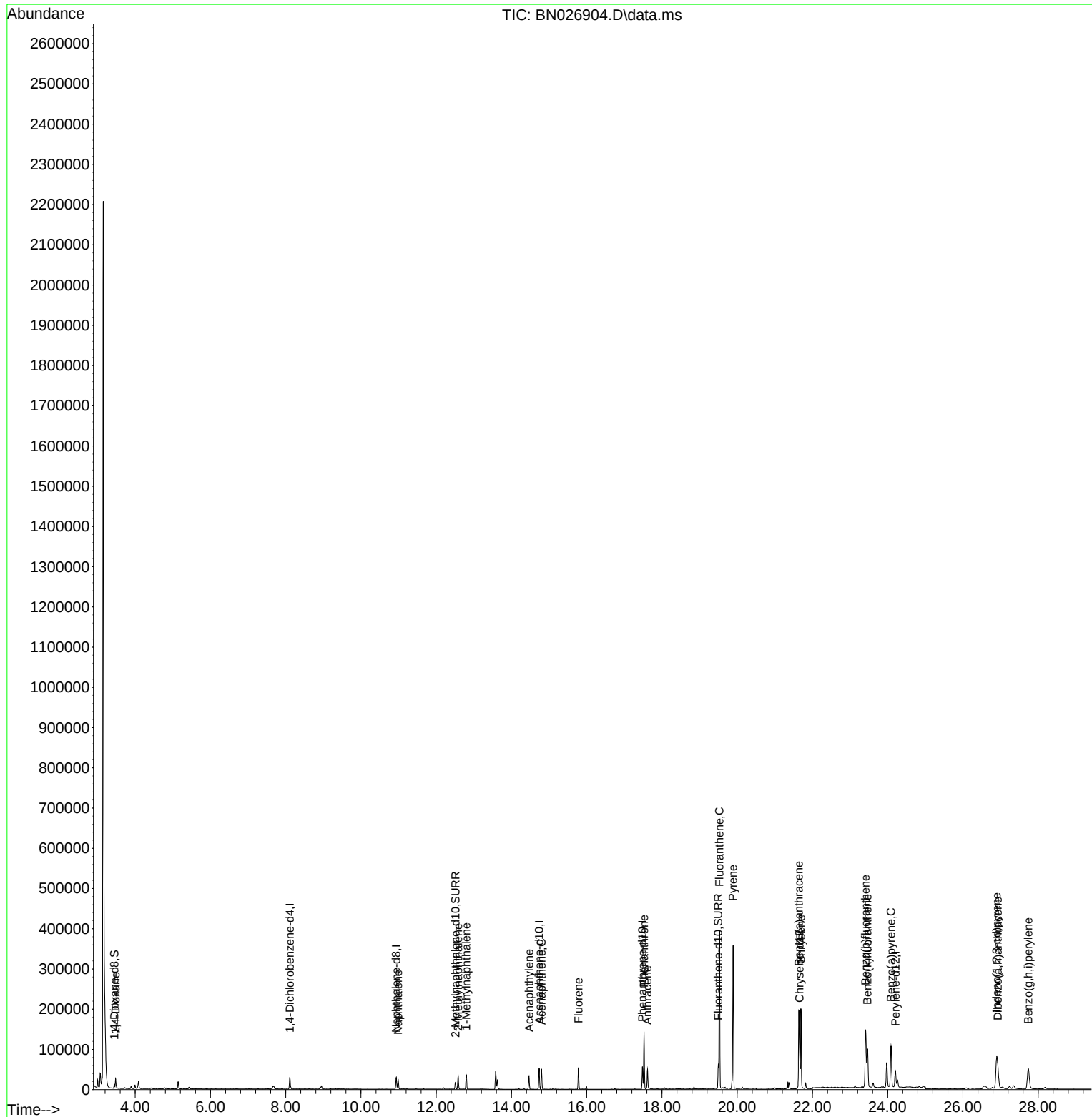
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	14705	0.400	ng/ul	0.00
4) Naphthalene-d8	10.938	136	43309	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.735	164	28579	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.481	188	66786	0.400	ng/ul	0.00
17) Chrysene-d12	21.656	240	60844	0.400	ng/ul	0.00
23) Perylene-d12	24.205	264	63810	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.444	96	7418	0.425	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.511	152	21539	0.338	ng/ul	0.00
18) Fluoranthene-d10	19.497	212	61380	0.319	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.477	88	17597	0.987	ng/ul	93
5) Naphthalene	10.988	128	33413	0.273	ng/ul	100
7) 2-Methylnaphthalene	12.583	142	23305	0.314	ng/ul	100
8) 1-Methylnaphthalene	12.797	142	24846	0.320	ng/ul	100
10) Acenaphthylene	14.467	152	37702	0.235	ng/ul	99
11) Acenaphthene	14.800	153	28620	0.258	ng/ul	99
12) Fluorene	15.781	166	33809	0.270	ng/ul	99
15) Phenanthrene	17.523	178	145984	0.665	ng/ul	100
16) Anthracene	17.616	178	56879	0.287	ng/ul	100
19) Fluoranthene	19.529	202	332080	1.314	ng/ul	100
20) Pyrene	19.892	202	303430	1.125	ng/ul	98
21) Benzo(a)anthracene	21.638	228	184607	0.763	ng/ul	100
22) Chrysene	21.694	228	185211	0.775	ng/ul	99
24) Benzo(b)fluoranthene	23.413	252	258560	1.071	ng/ul	98
25) Benzo(k)fluoranthene	23.462	252	131912	0.554	ng/ul	100
26) Benzo(a)pyrene	24.088	252	166704	0.765	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.898	276	163709	0.575	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.928	278	75117	0.331	ng/ul	99
29) Benzo(g,h,i)perylene	27.737	276	127676	0.538	ng/ul	99

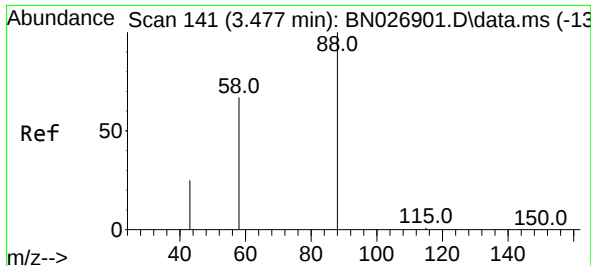
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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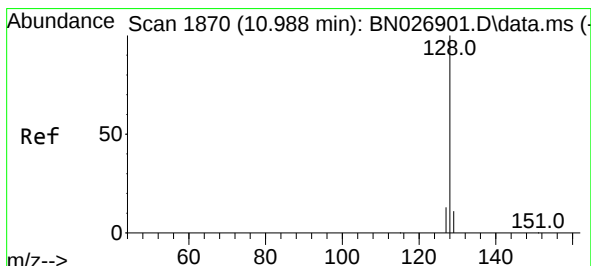
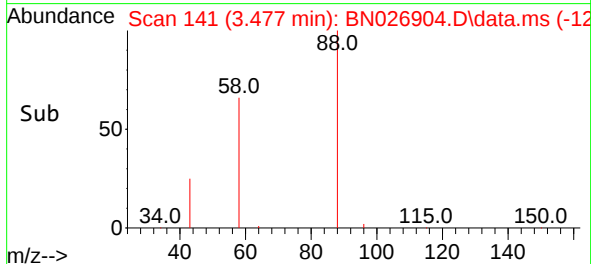
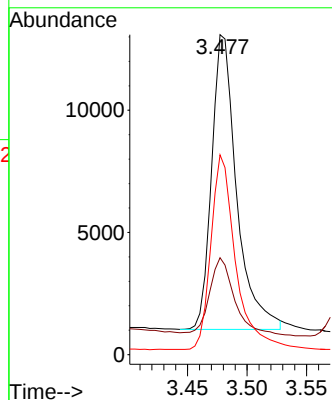
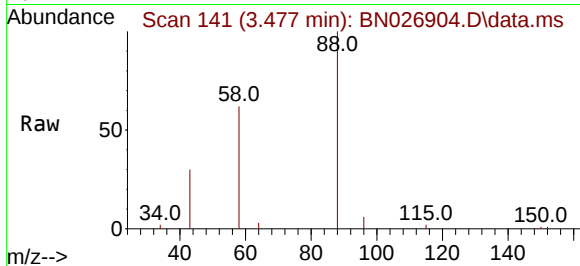




#2
1,4-Dioxane
Concen: 0.987 ng/ul
RT: 3.477 min Scan# 141
Delta R.T. 0.004 min
Lab File: BN026904.D
Acq: 15 Aug 2023 16:55

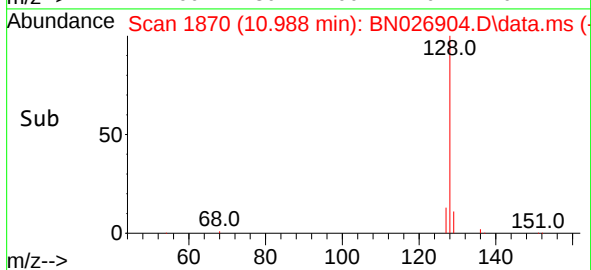
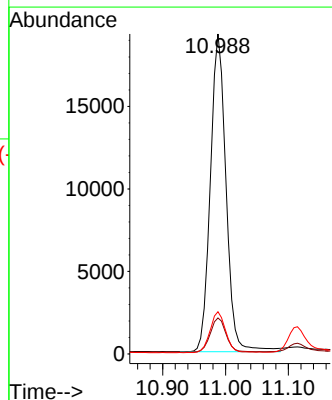
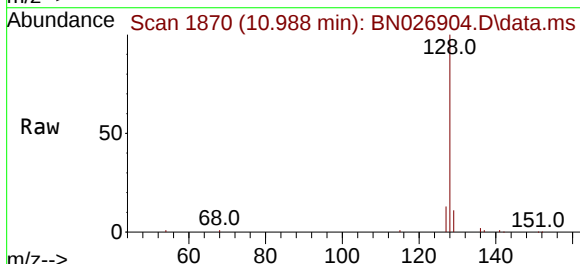
Instrument :
BNA_N
ClientSampleId :
A4832MSD

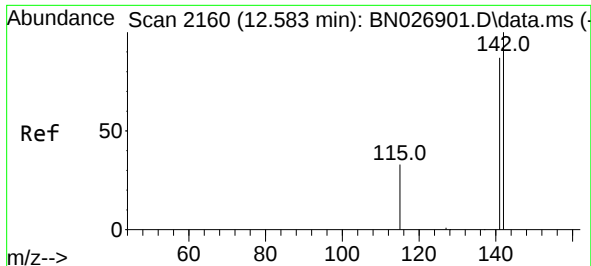
Tgt Ion: 88 Resp: 17597
Ion Ratio Lower Upper
88 100
43 30.3 28.0 42.0
58 62.5 46.0 69.0



#5
Naphthalene
Concen: 0.273 ng/ul
RT: 10.988 min Scan# 1870
Delta R.T. 0.006 min
Lab File: BN026904.D
Acq: 15 Aug 2023 16:55

Tgt Ion: 128 Resp: 33413
Ion Ratio Lower Upper
128 100
129 11.3 9.2 13.8
127 13.2 10.5 15.7

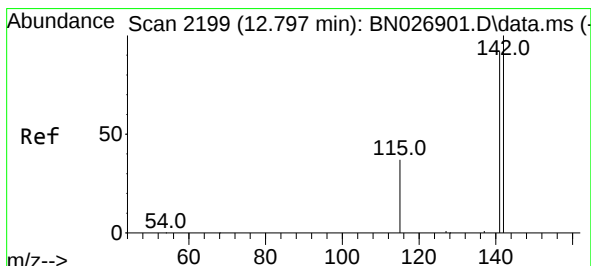
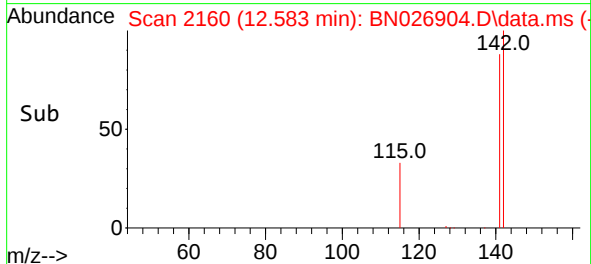
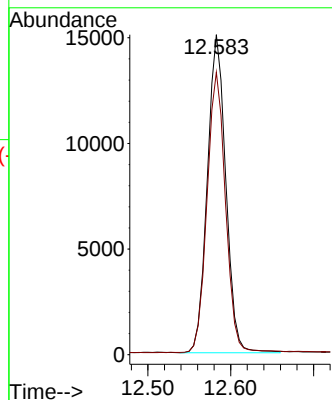
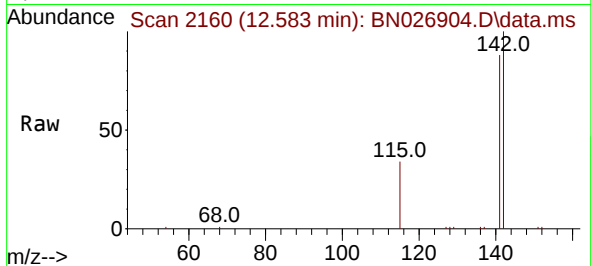




#7
2-Methylnaphthalene
Concen: 0.314 ng/ul
RT: 12.583 min Scan# 2160
Delta R.T. 0.000 min
Lab File: BN026904.D
Acq: 15 Aug 2023 16:55

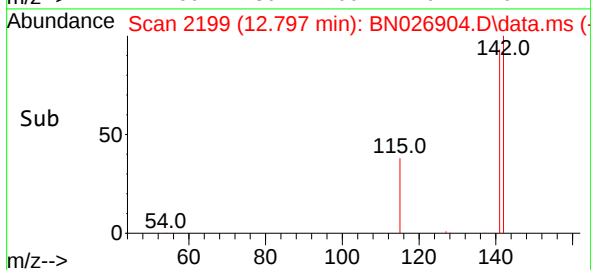
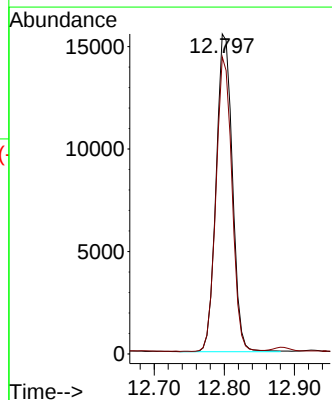
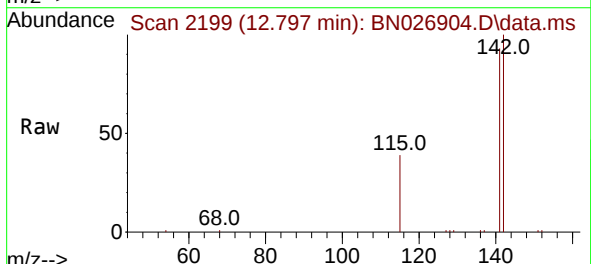
Instrument :
BNA_N
ClientSampleId :
A4832MSD

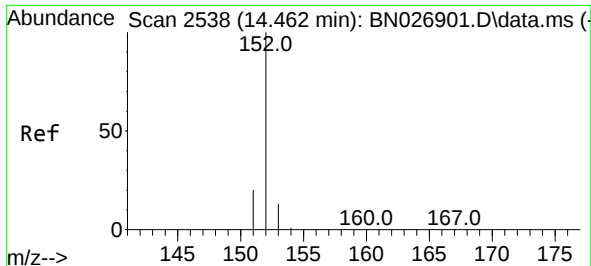
Tgt Ion:142 Resp: 23305
Ion Ratio Lower Upper
142 100
141 88.5 70.9 106.3



#8
1-Methylnaphthalene
Concen: 0.320 ng/ul
RT: 12.797 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BN026904.D
Acq: 15 Aug 2023 16:55

Tgt Ion:142 Resp: 24846
Ion Ratio Lower Upper
142 100
141 91.2 73.2 109.8

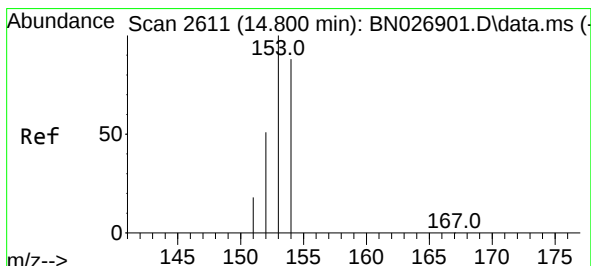
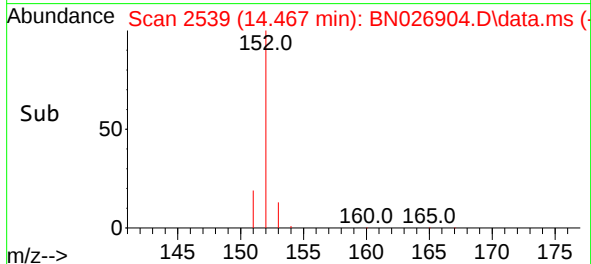
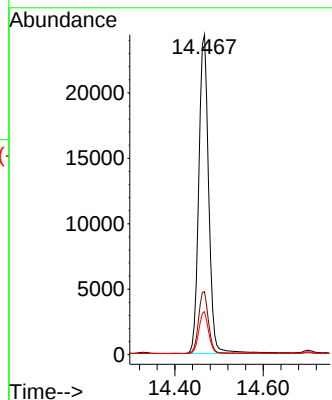
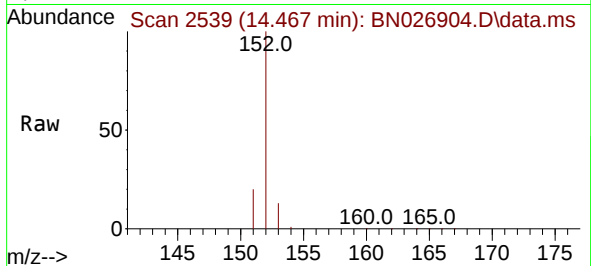




#10
Acenaphthylene
Concen: 0.235 ng/ul
RT: 14.467 min Scan# 2539
Delta R.T. 0.005 min
Lab File: BN026904.D
Acq: 15 Aug 2023 16:55

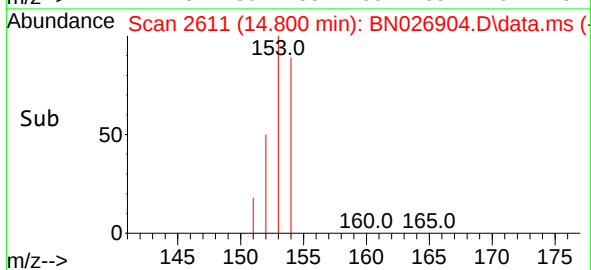
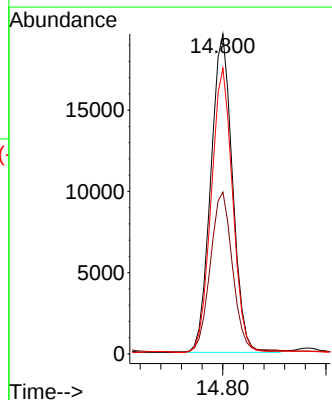
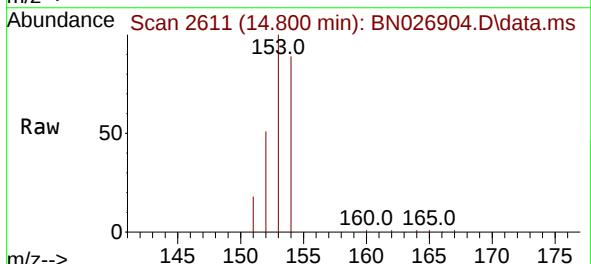
Instrument :
BNA_N
ClientSampleId :
A4832MSD

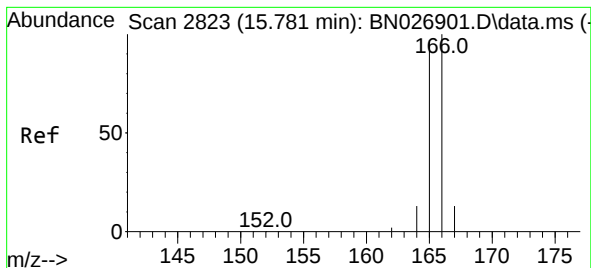
Tgt Ion:152 Resp: 37702
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.4 11.0 16.6



#11
Acenaphthene
Concen: 0.258 ng/ul
RT: 14.800 min Scan# 2611
Delta R.T. 0.000 min
Lab File: BN026904.D
Acq: 15 Aug 2023 16:55

Tgt Ion:153 Resp: 28620
Ion Ratio Lower Upper
153 100
152 50.6 41.1 61.7
154 89.3 71.6 107.4





#12

Fluorene

Concen: 0.270 ng/ul

RT: 15.781 min Scan# 2823

Delta R.T. 0.000 min

Lab File: BN026904.D

Acq: 15 Aug 2023 16:55

Instrument :

BNA_N

ClientSampleId :

A4832MSD

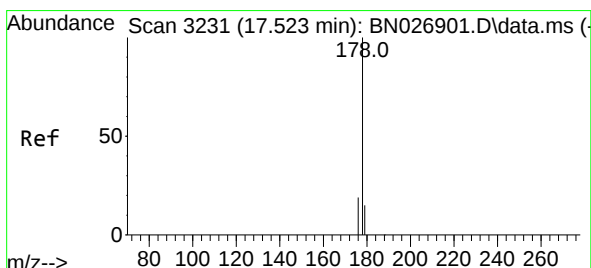
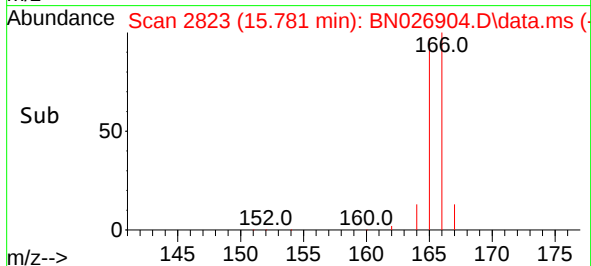
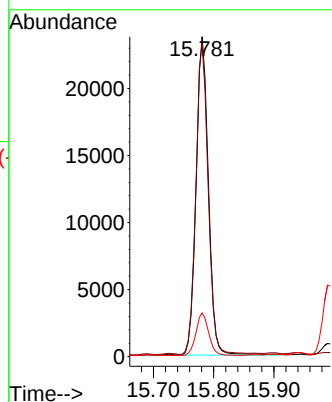
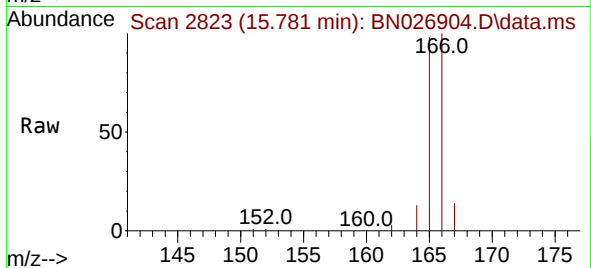
Tgt Ion:166 Resp: 33809

Ion Ratio Lower Upper

166 100

165 97.6 79.1 118.7

167 13.7 11.4 17.0



#15

Phenanthrene

Concen: 0.665 ng/ul

RT: 17.523 min Scan# 3231

Delta R.T. 0.000 min

Lab File: BN026904.D

Acq: 15 Aug 2023 16:55

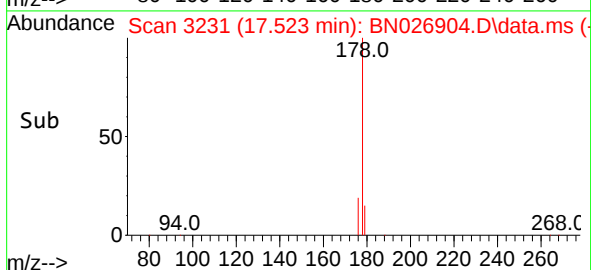
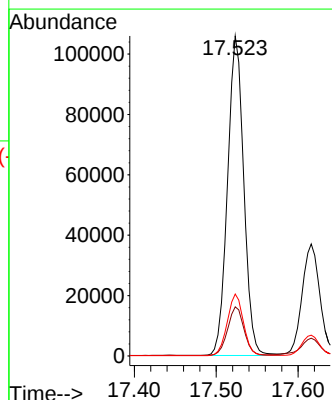
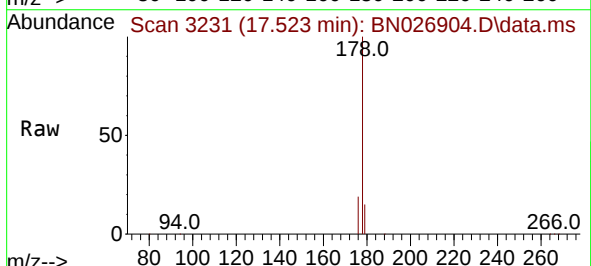
Tgt Ion:178 Resp: 145984

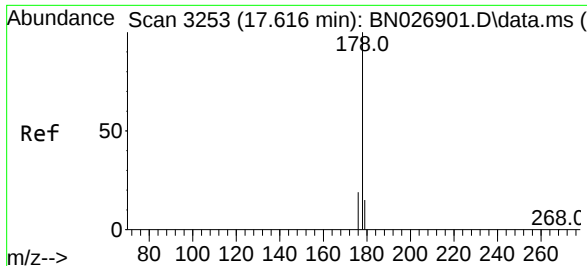
Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

176 19.3 15.4 23.2

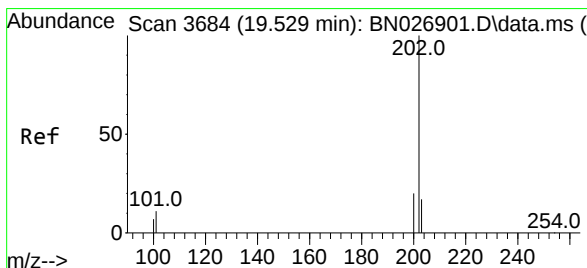
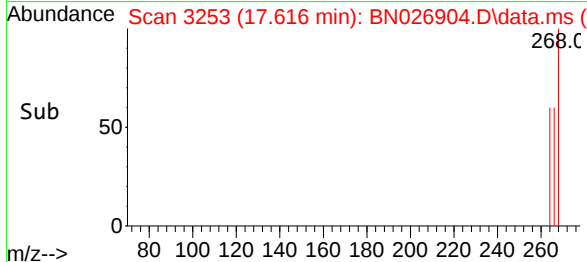
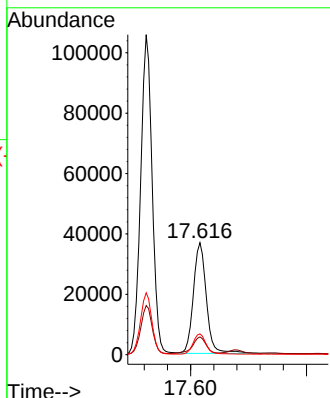
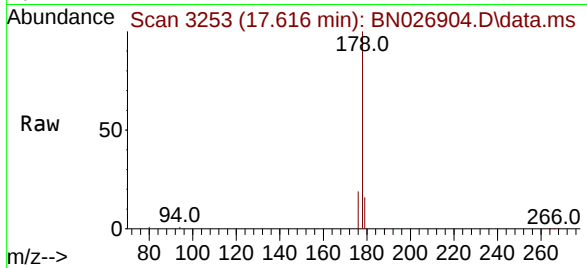




#16
 Anthracene
 Concen: 0.287 ng/ul
 RT: 17.616 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BN026904.D
 Acq: 15 Aug 2023 16:55

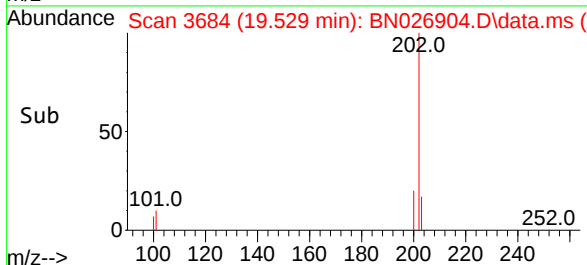
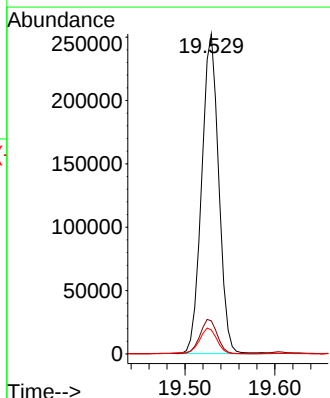
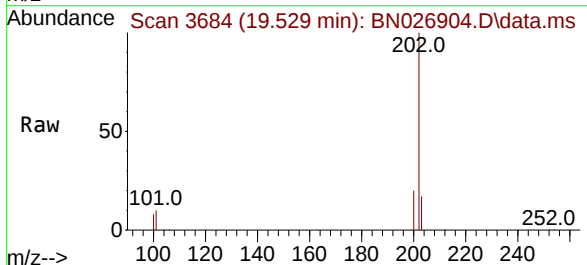
Instrument :
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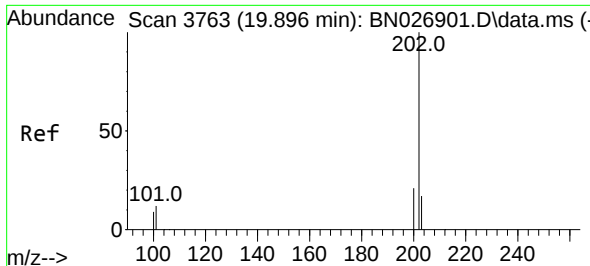
Tgt Ion:178	Resp:	56879
Ion Ratio	Lower	Upper
178	100	
179	15.9	12.6 19.0
176	18.6	15.0 22.6



#19
 Fluoranthene
 Concen: 1.314 ng/ul
 RT: 19.529 min Scan# 3684
 Delta R.T. 0.000 min
 Lab File: BN026904.D
 Acq: 15 Aug 2023 16:55

Tgt Ion:202	Resp:	332080
Ion Ratio	Lower	Upper
202	100	
101	10.4	8.3 12.5
100	7.5	6.2 9.2

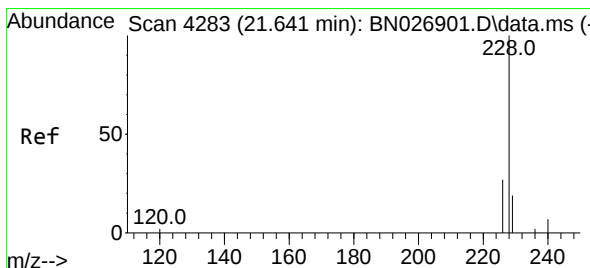
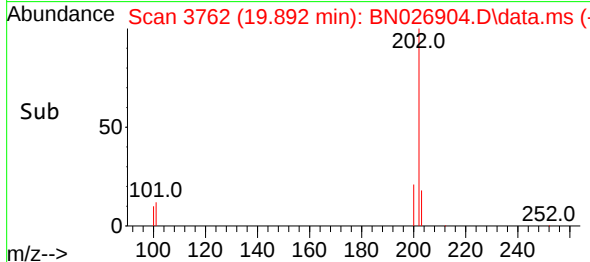
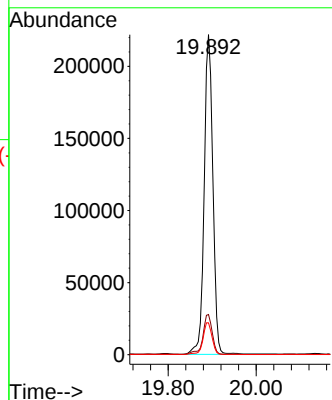
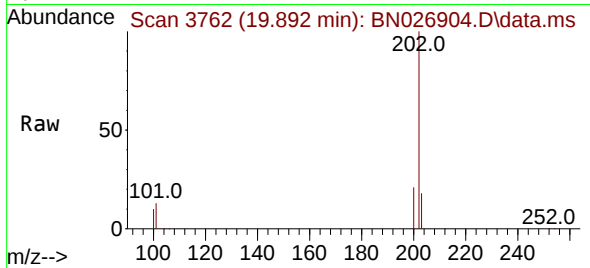




#20
Pyrene
Concen: 1.125 ng/ul
RT: 19.892 min Scan# 3762
Delta R.T. -0.004 min
Lab File: BN026904.D
Acq: 15 Aug 2023 16:55

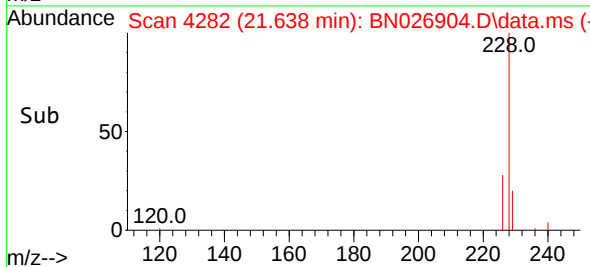
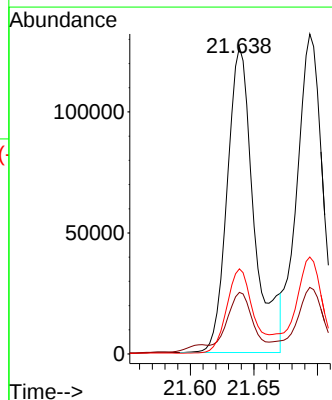
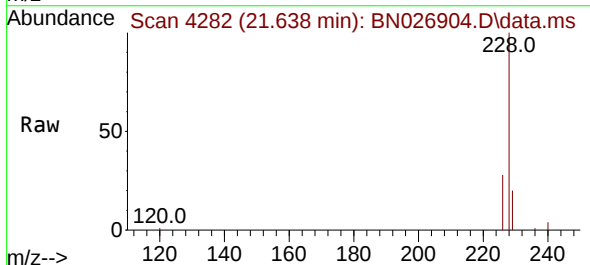
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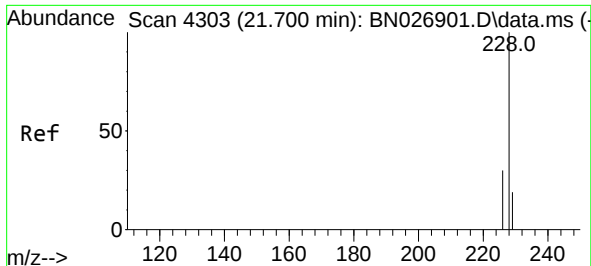
Tgt Ion:202 Resp: 303430
Ion Ratio Lower Upper
202 100
101 12.6 10.7 16.1
100 9.9 8.5 12.7



#21
Benzo(a)anthracene
Concen: 0.763 ng/ul
RT: 21.638 min Scan# 4282
Delta R.T. -0.003 min
Lab File: BN026904.D
Acq: 15 Aug 2023 16:55

Tgt Ion:228 Resp: 184607
Ion Ratio Lower Upper
228 100
229 20.1 16.0 24.0
226 27.7 22.2 33.2





#22

Chrysene

Concen: 0.775 ng/ul

RT: 21.694 min Scan# 41

Delta R.T. -0.006 min

Lab File: BN026904.D

Acq: 15 Aug 2023 16:55

Instrument :

BNA_N

ClientSampleId :

A4832MSD

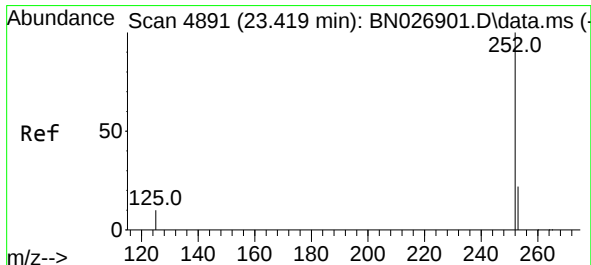
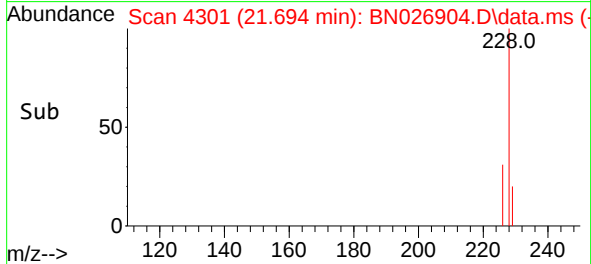
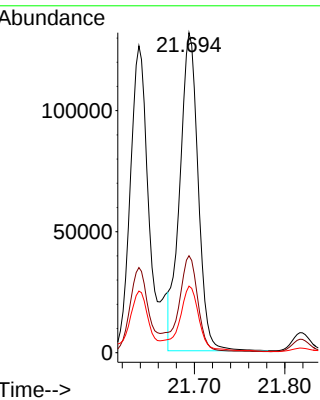
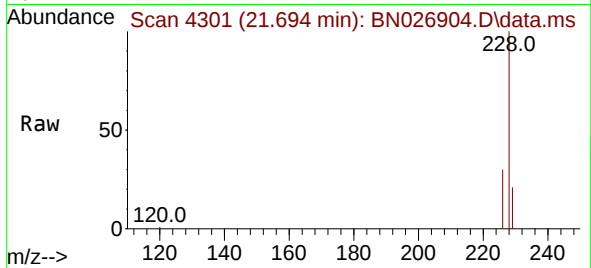
Tgt Ion:228 Resp: 185211

Ion Ratio Lower Upper

228 100

226 30.3 24.6 36.8

229 20.8 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 1.071 ng/ul

RT: 23.413 min Scan# 4889

Delta R.T. -0.009 min

Lab File: BN026904.D

Acq: 15 Aug 2023 16:55

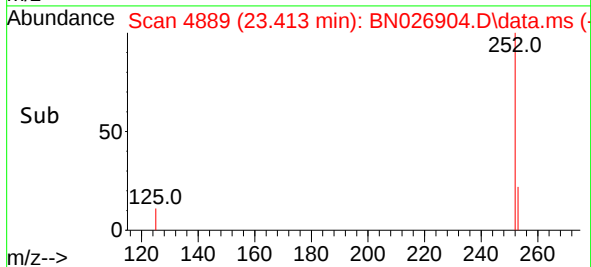
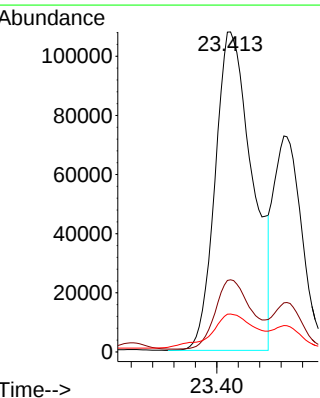
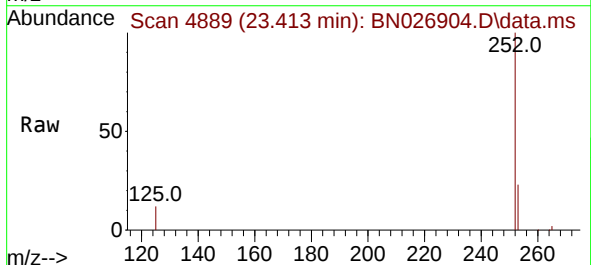
Tgt Ion:252 Resp: 258560

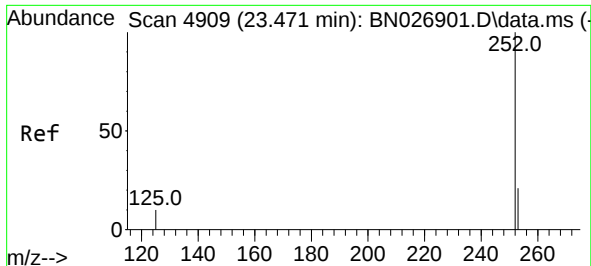
Ion Ratio Lower Upper

252 100

253 22.5 0.0 46.8

125 11.9 0.0 25.2

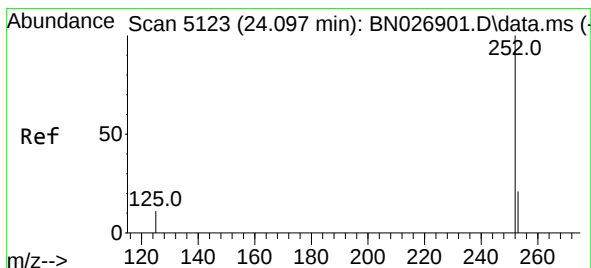
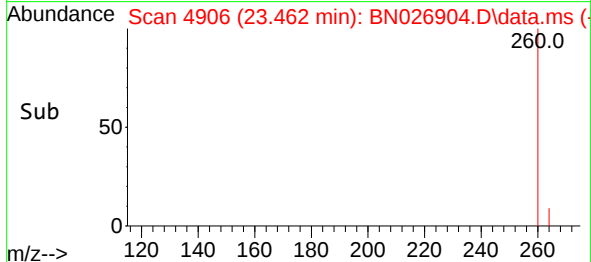
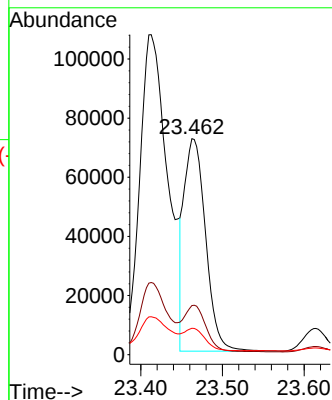
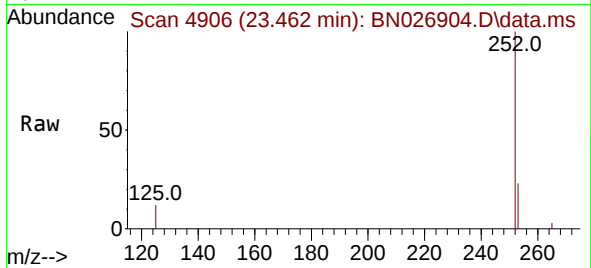




#25
Benzo(k)fluoranthene
Concen: 0.554 ng/ul
RT: 23.462 min Scan# 4909
Delta R.T. -0.012 min
Lab File: BN026904.D
Acq: 15 Aug 2023 16:55

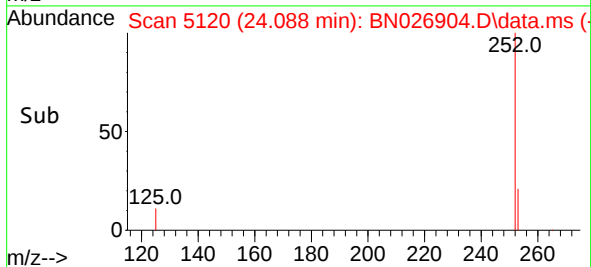
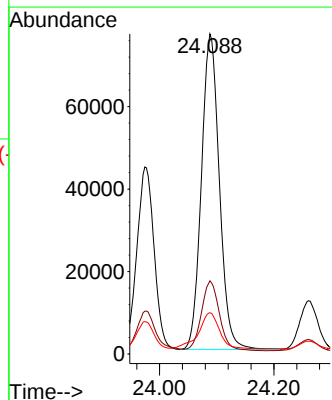
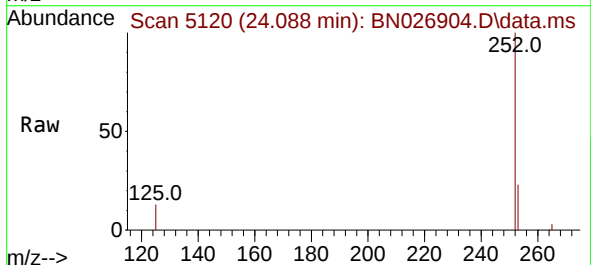
Instrument :
BNA_N
ClientSampleId :
A4832MSD

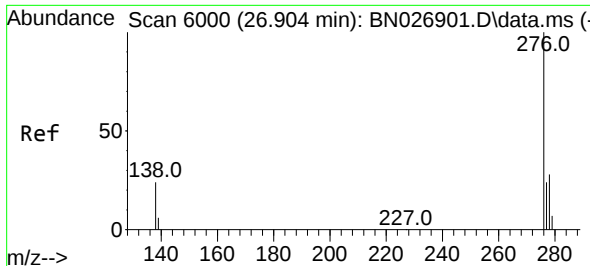
Tgt Ion:252 Resp: 131912
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.4
125 12.2 9.9 14.9



#26
Benzo(a)pyrene
Concen: 0.765 ng/ul
RT: 24.088 min Scan# 5120
Delta R.T. -0.012 min
Lab File: BN026904.D
Acq: 15 Aug 2023 16:55

Tgt Ion:252 Resp: 166704
Ion Ratio Lower Upper
252 100
253 22.9 19.0 28.6
125 12.9 11.4 17.0





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.575 ng/ul

RT: 26.898 min Scan# 5998

Delta R.T. -0.009 min

Lab File: BN026904.D

Acq: 15 Aug 2023 16:55

Instrument :

BNA_N

ClientSampleId :

A4832MSD

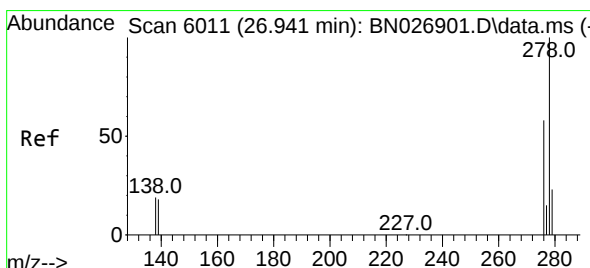
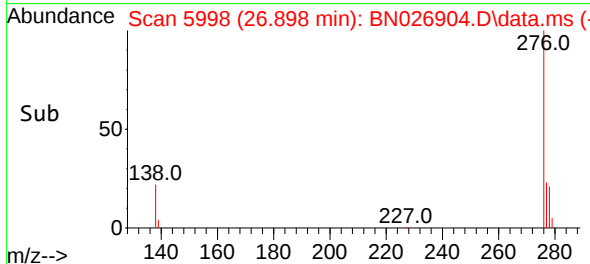
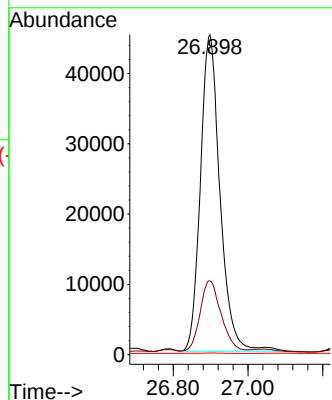
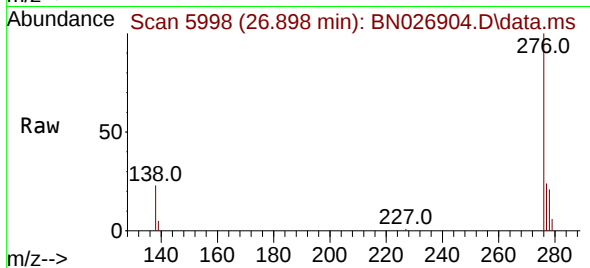
Tgt Ion:276 Resp: 163709

Ion Ratio Lower Upper

276 100

138 24.3 21.6 32.4

227 0.2 0.0 0.0#



#28

Dibenzo(a,h)anthracene

Concen: 0.331 ng/ul

RT: 26.928 min Scan# 6007

Delta R.T. -0.009 min

Lab File: BN026904.D

Acq: 15 Aug 2023 16:55

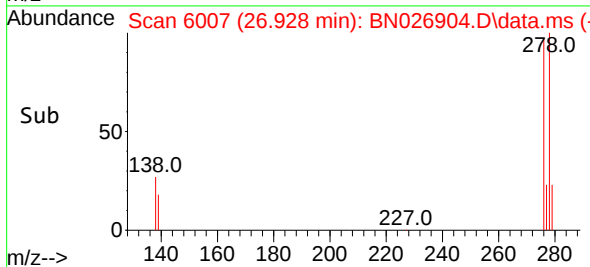
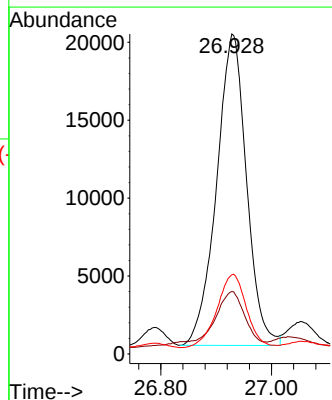
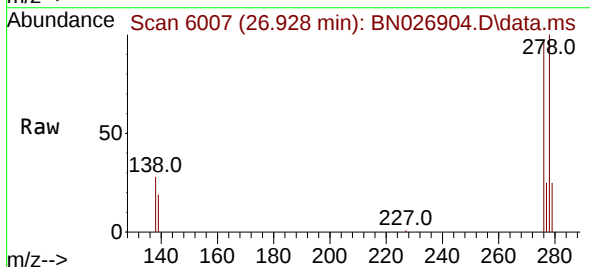
Tgt Ion:278 Resp: 75117

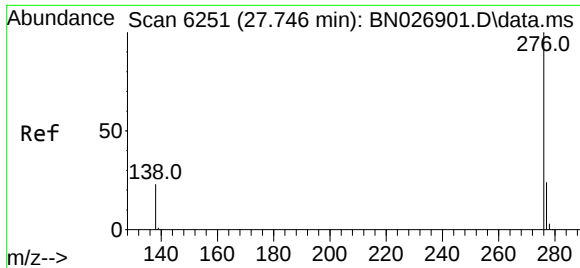
Ion Ratio Lower Upper

278 100

139 19.5 15.7 23.5

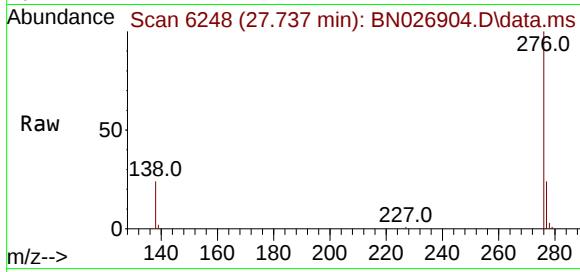
279 24.8 20.2 30.4





#29
 Benzo(g,h,i)perylene
 Concen: 0.538 ng/ul
 RT: 27.737 min Scan# 61
 Delta R.T. -0.009 min
 Lab File: BN026904.D
 Acq: 15 Aug 2023 16:55

Instrument :
 BNA_N
 ClientSampleId :
 A4832MSD



Tgt Ion:	276	Resp:	127676
Ion	Ratio	Lower	Upper
276	100		
138	24.2	19.3	28.9
277	24.4	19.8	29.8

