

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081823\
 Data File : BN026970.D
 Acq On : 18 Aug 2023 21:41
 Operator : MA/JU
 Sample : 03965-02MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4832MS

Quant Time: Aug 19 00:02:44 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)

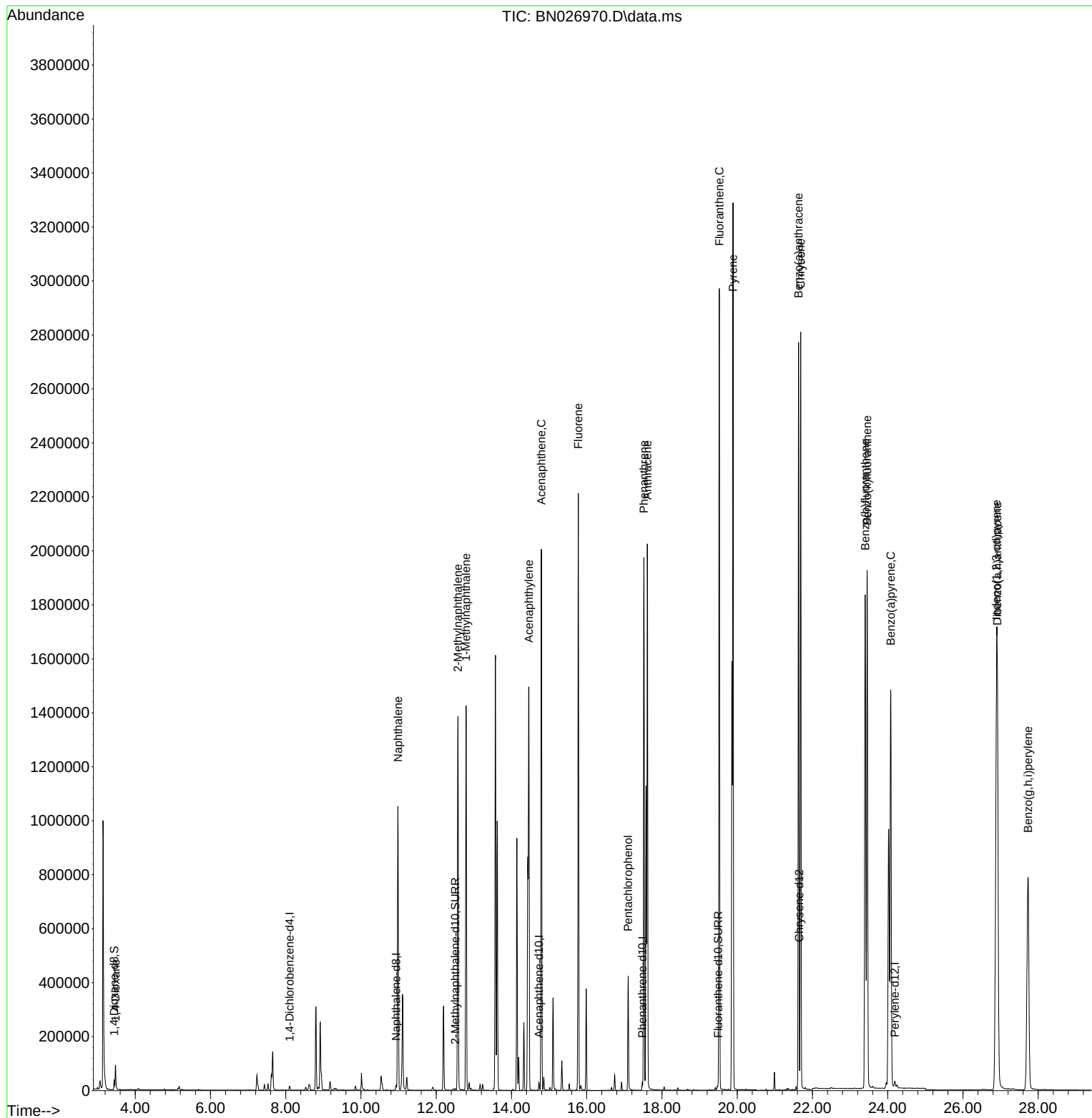
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.101	152	7413	0.400	ng/ul	0.00
4) Naphthalene-d8	10.933	136	25481	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.731	164	15618	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.477	188	33580	0.400	ng/ul	0.00
17) Chrysene-d12	21.647	240	29974	0.400	ng/ul	0.00
23) Perylene-d12	24.187	264	33161	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	24746	2.812	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.506	152	7644	0.204	ng/ul	0.00
18) Fluoranthene-d10	19.492	212	19400	0.205	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.477	88	69815	7.770	ng/ul#	90
5) Naphthalene	10.982	128	1464117	20.333	ng/ul	99
7) 2-Methylnaphthalene	12.577	142	983724	22.556	ng/ul	99
8) 1-Methylnaphthalene	12.792	142	984622	21.568	ng/ul	100
10) Acenaphthylene	14.462	152	1656650	18.933	ng/ul	99
11) Acenaphthene	14.795	153	1134906	18.742	ng/ul	98
12) Fluorene	15.776	166	1332512	19.451	ng/ul	98
14) Pentachlorophenol	17.101	266	256646	27.014	ng/ul	100
15) Phenanthrene	17.519	178	2141621	19.413	ng/ul	100
16) Anthracene	17.612	178	2094989	21.014	ng/ul	100
19) Fluoranthene	19.525	202	2592754	20.825	ng/ul	100
20) Pyrene	19.887	202	2685876	20.217	ng/ul	100
21) Benzo(a)anthracene	21.630	228	2552841	21.414	ng/ul	100
22) Chrysene	21.688	228	2455963	20.872	ng/ul	99
24) Benzo(b)fluoranthene	23.401	252	2708287	21.592	ng/ul	97
25) Benzo(k)fluoranthene	23.454	252	2685066	21.704	ng/ul	97
26) Benzo(a)pyrene	24.079	252	2323680	20.531	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	26.891	276	2684705	18.132	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.914	278	2193780	18.590	ng/ul	96
29) Benzo(g,h,i)perylene	27.729	276	1953881	15.850	ng/ul	98

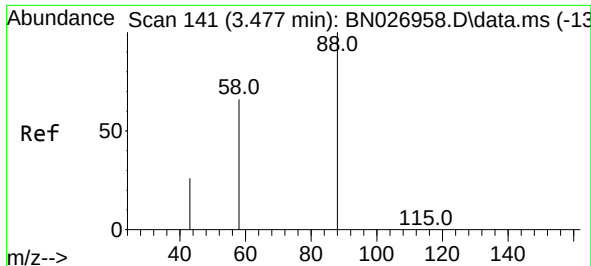
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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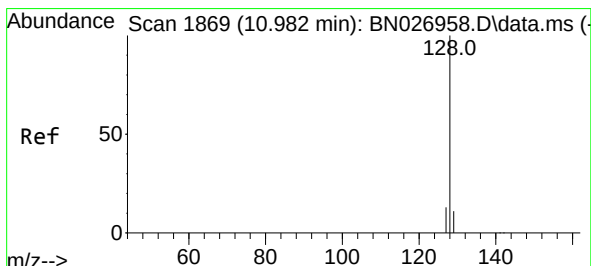
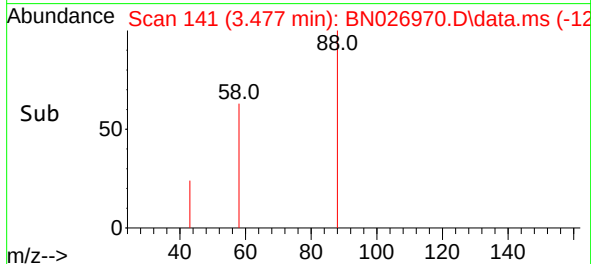
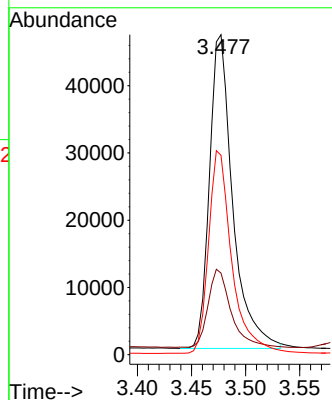
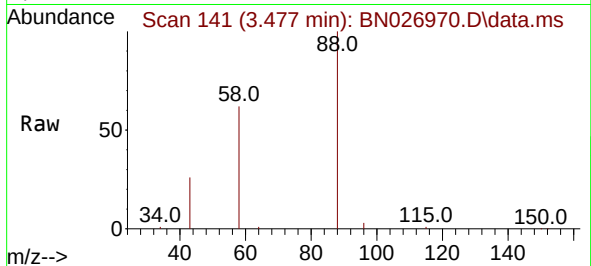




#2
1,4-Dioxane
Concen: 7.770 ng/ul
RT: 3.477 min Scan# 141
Delta R.T. -0.000 min
Lab File: BN026970.D
Acq: 18 Aug 2023 21:41

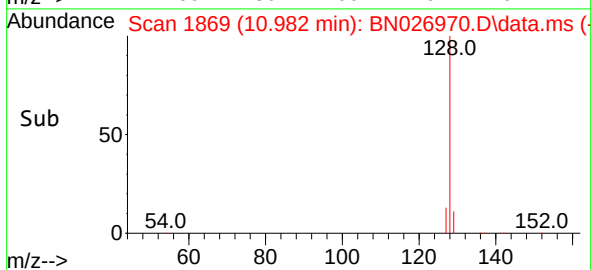
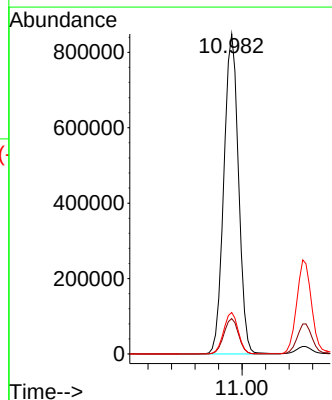
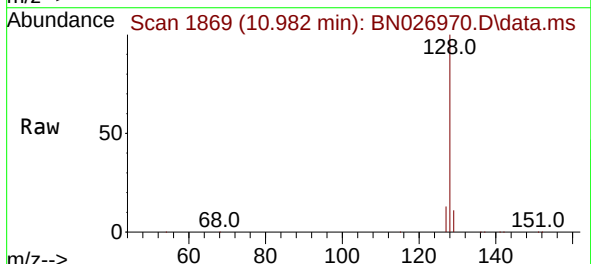
Instrument :
BNA_N
ClientSampleId :
A4832MS

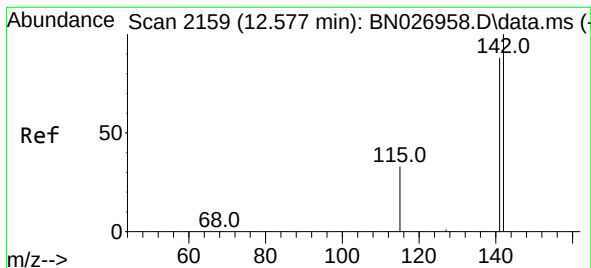
Tgt Ion: 88 Resp: 69815
Ion Ratio Lower Upper
88 100
43 25.5 28.0 42.0#
58 62.3 46.0 69.0



#5
Naphthalene
Concen: 20.333 ng/ul
RT: 10.982 min Scan# 1869
Delta R.T. -0.000 min
Lab File: BN026970.D
Acq: 18 Aug 2023 21:41

Tgt Ion:128 Resp: 1464117
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 12.9 10.5 15.7

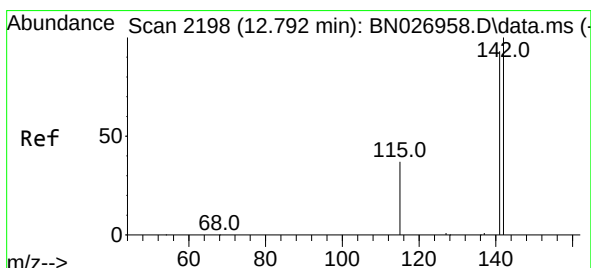
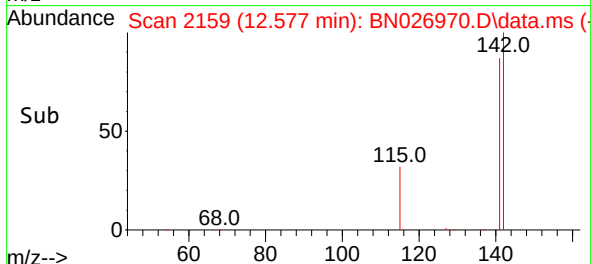
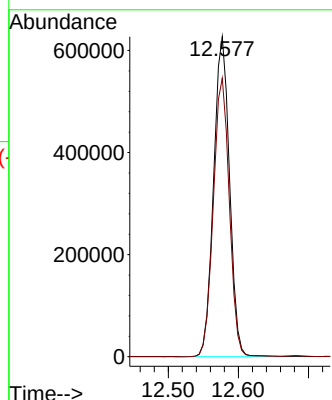
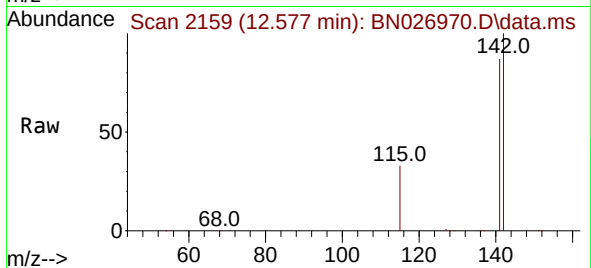




#7
2-Methylnaphthalene
Concen: 22.556 ng/ul
RT: 12.577 min Scan# 2159
Delta R.T. -0.000 min
Lab File: BN026970.D
Acq: 18 Aug 2023 21:41

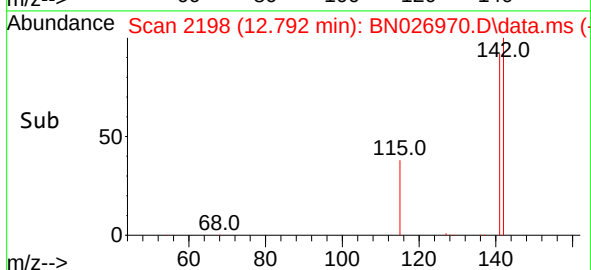
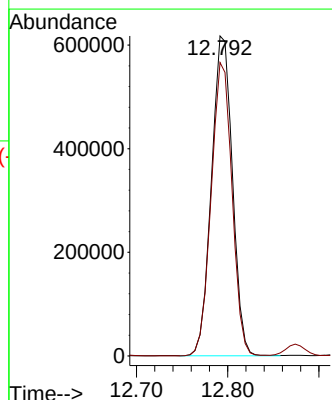
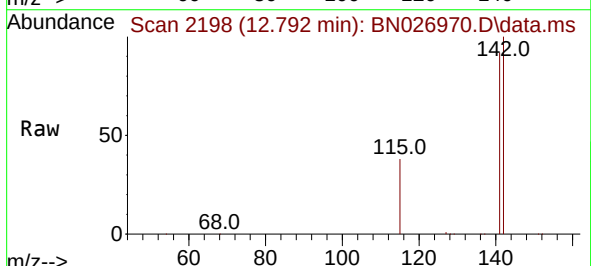
Instrument :
BNA_N
ClientSampleId :
A4832MS

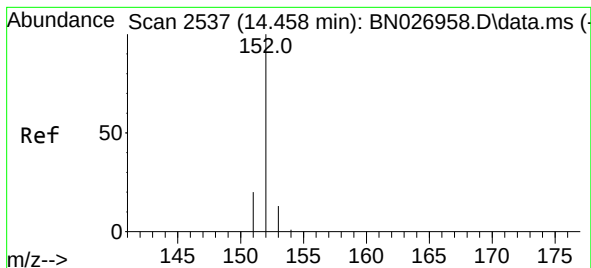
Tgt Ion:142 Resp: 983724
Ion Ratio Lower Upper
142 100
141 87.5 70.9 106.3



#8
1-Methylnaphthalene
Concen: 21.568 ng/ul
RT: 12.792 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BN026970.D
Acq: 18 Aug 2023 21:41

Tgt Ion:142 Resp: 984622
Ion Ratio Lower Upper
142 100
141 91.2 73.2 109.8





#10

Acenaphthylene

Concen: 18.933 ng/ul

RT: 14.462 min Scan# 21

Delta R.T. 0.005 min

Lab File: BN026970.D

Acq: 18 Aug 2023 21:41

Instrument :

BNA_N

ClientSampleId :

A4832MS

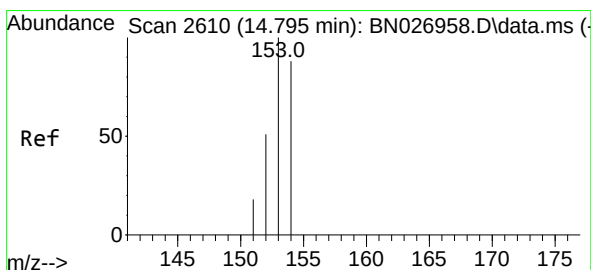
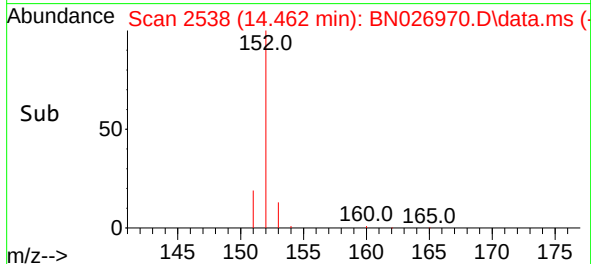
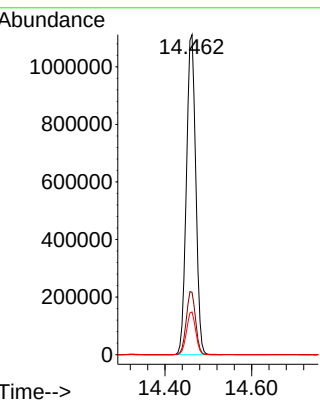
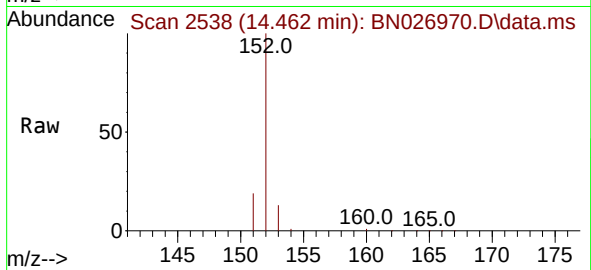
Tgt Ion:152 Resp: 1656650

Ion Ratio Lower Upper

152 100

151 19.5 15.9 23.9

153 13.4 11.0 16.6



#11

Acenaphthene

Concen: 18.742 ng/ul

RT: 14.795 min Scan# 2610

Delta R.T. 0.005 min

Lab File: BN026970.D

Acq: 18 Aug 2023 21:41

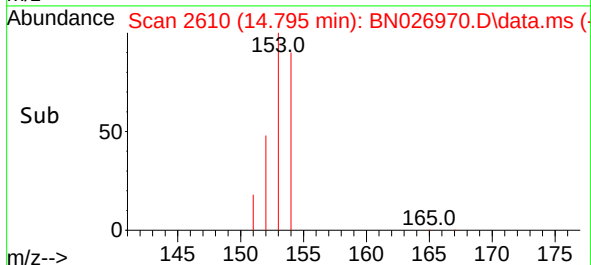
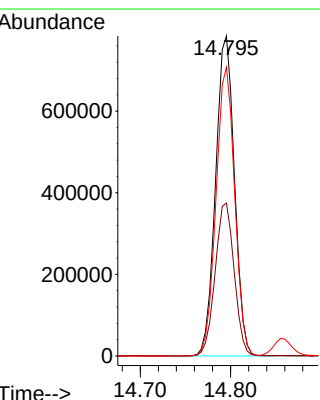
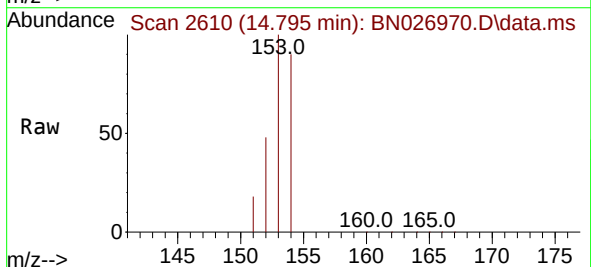
Tgt Ion:153 Resp: 1134906

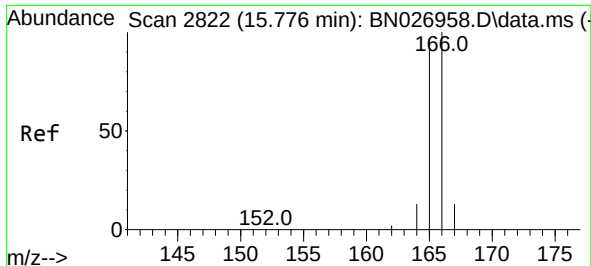
Ion Ratio Lower Upper

153 100

152 47.8 41.1 61.7

154 90.2 71.6 107.4

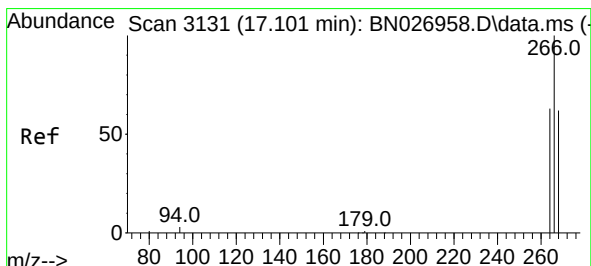
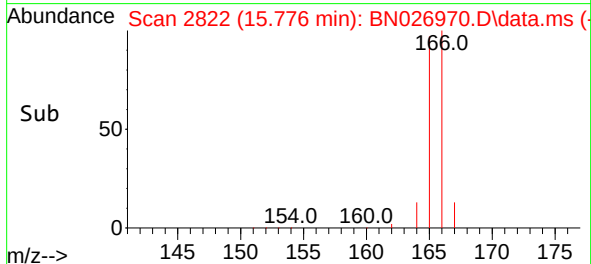
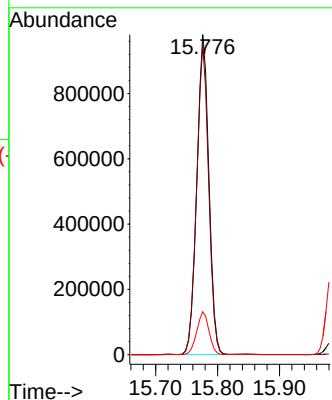
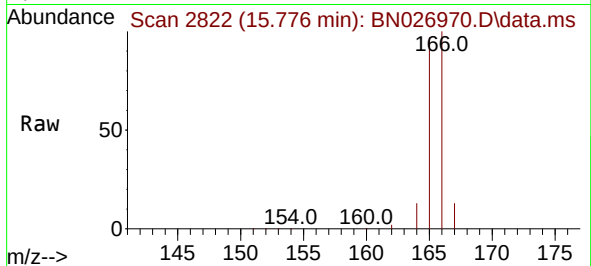




#12
 Fluorene
 Concen: 19.451 ng/ul
 RT: 15.776 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BN026970.D
 Acq: 18 Aug 2023 21:41

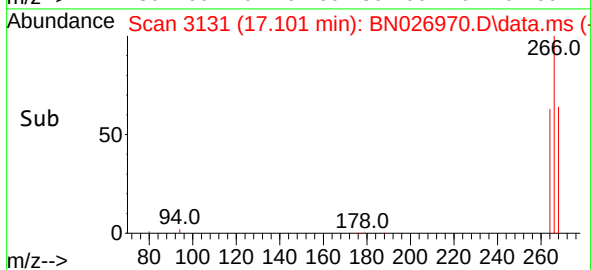
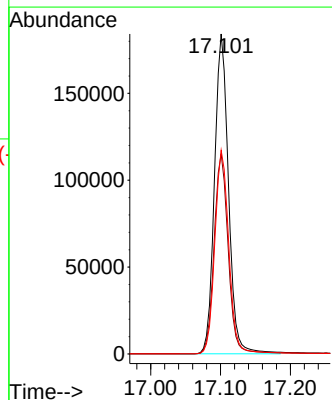
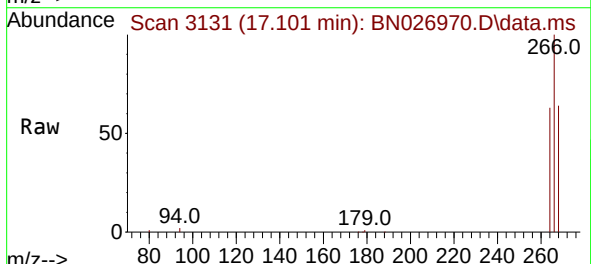
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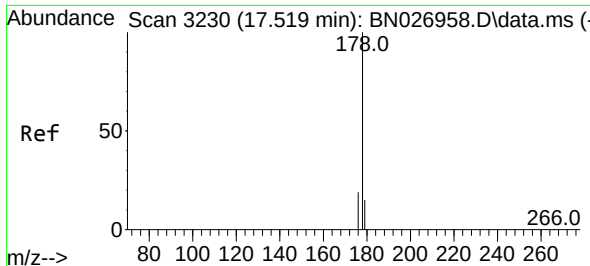
Tgt Ion:166 Resp: 1332512
 Ion Ratio Lower Upper
 166 100
 165 96.6 79.1 118.7
 167 13.4 11.4 17.0



#14
 Pentachlorophenol
 Concen: 27.014 ng/ul
 RT: 17.101 min Scan# 3131
 Delta R.T. -0.000 min
 Lab File: BN026970.D
 Acq: 18 Aug 2023 21:41

Tgt Ion:266 Resp: 256646
 Ion Ratio Lower Upper
 266 100
 264 62.8 50.4 75.6
 268 63.8 51.2 76.8

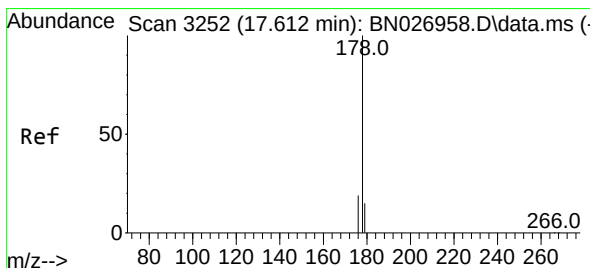
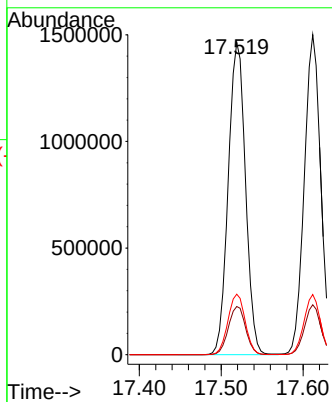
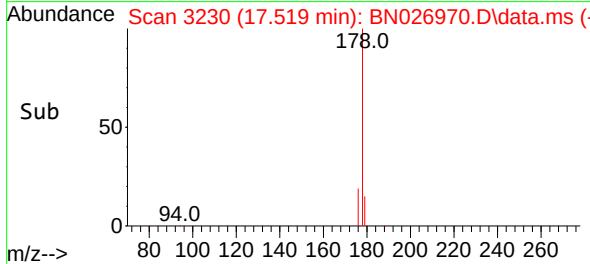
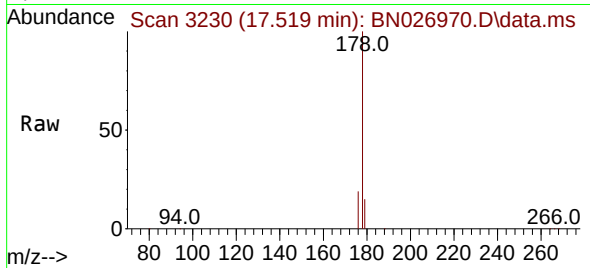




#15
Phenanthrene
Concen: 19.413 ng/ul
RT: 17.519 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN026970.D
Acq: 18 Aug 2023 21:41

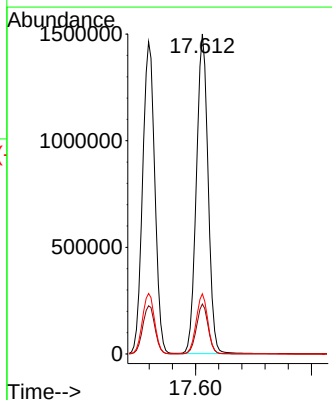
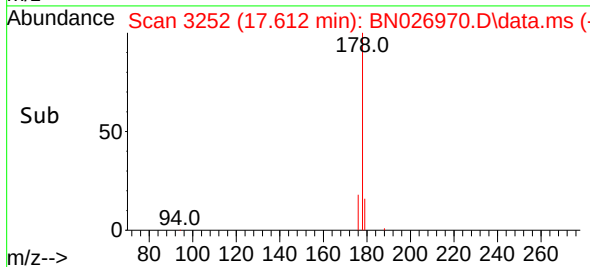
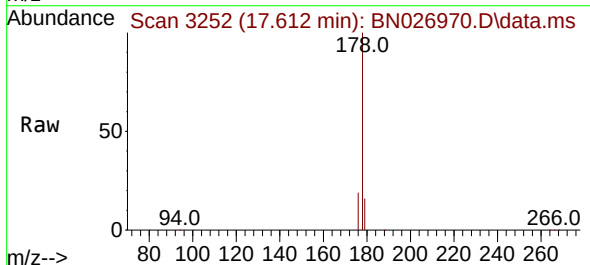
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BNA_N
ClientSampleId :
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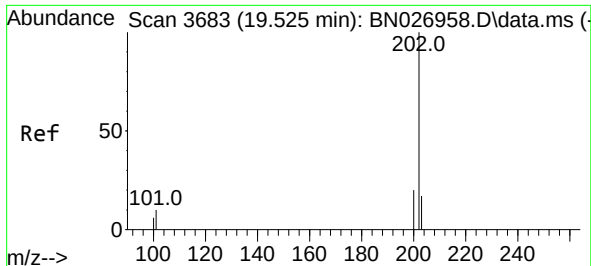
Tgt Ion:178 Resp: 2141621
Ion Ratio Lower Upper
178 100
179 15.5 12.6 18.8
176 19.4 15.4 23.2



#16
Anthracene
Concen: 21.014 ng/ul
RT: 17.612 min Scan# 3252
Delta R.T. 0.004 min
Lab File: BN026970.D
Acq: 18 Aug 2023 21:41

Tgt Ion:178 Resp: 2094989
Ion Ratio Lower Upper
178 100
179 15.6 12.6 19.0
176 18.8 15.0 22.6

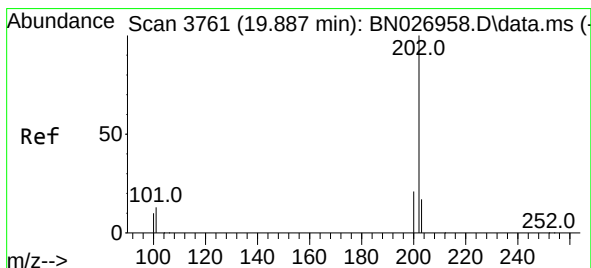
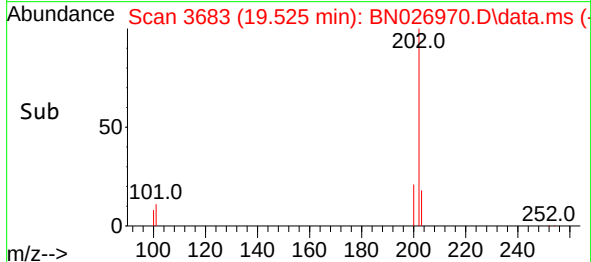
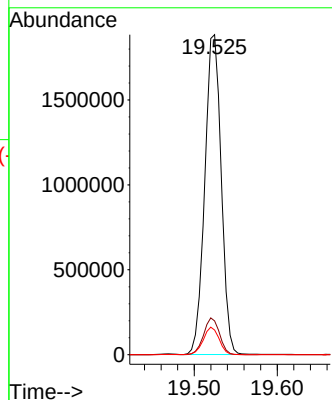
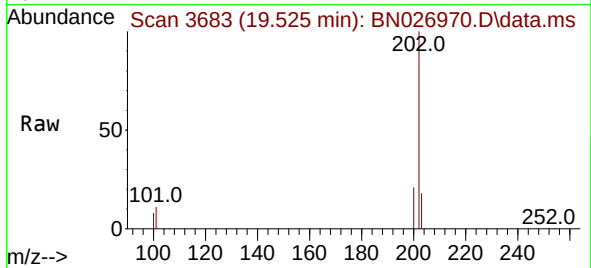




#19
Fluoranthene
Concen: 20.825 ng/ul
RT: 19.525 min Scan# 3683
Delta R.T. -0.000 min
Lab File: BN026970.D
Acq: 18 Aug 2023 21:41

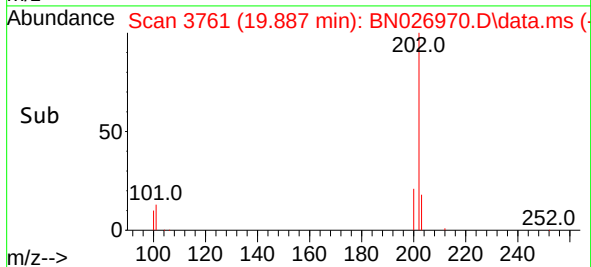
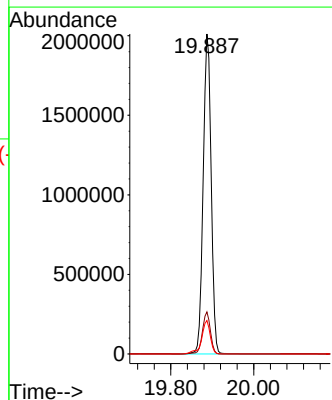
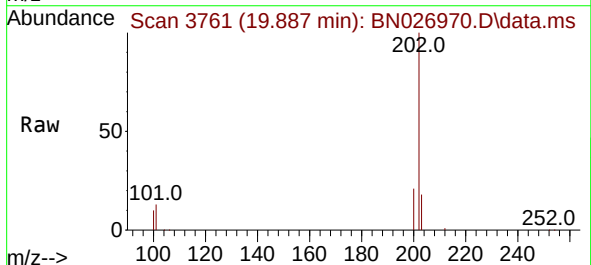
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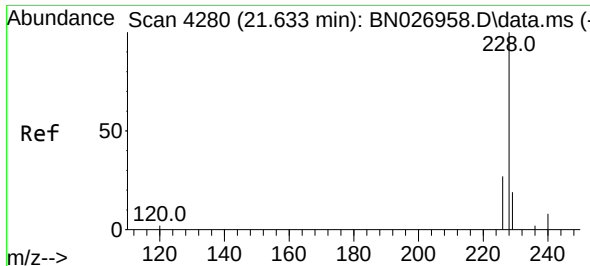
Tgt Ion:202 Resp: 2592754
Ion Ratio Lower Upper
202 100
101 10.6 8.3 12.5
100 7.7 6.2 9.2



#20
Pyrene
Concen: 20.217 ng/ul
RT: 19.887 min Scan# 3761
Delta R.T. -0.000 min
Lab File: BN026970.D
Acq: 18 Aug 2023 21:41

Tgt Ion:202 Resp: 2685876
Ion Ratio Lower Upper
202 100
101 13.2 10.7 16.1
100 10.5 8.5 12.7

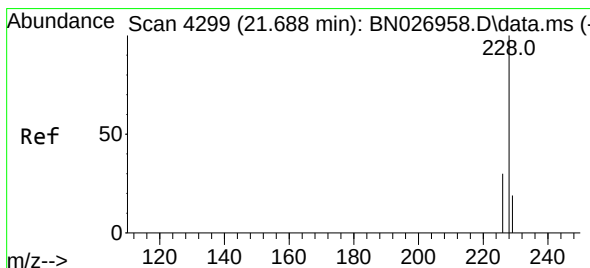
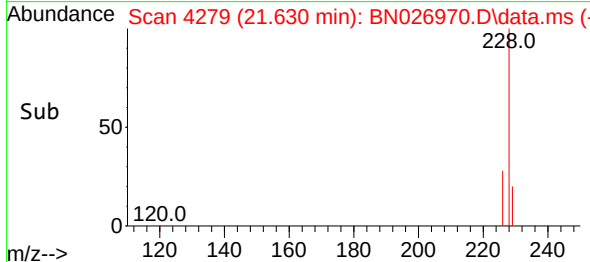
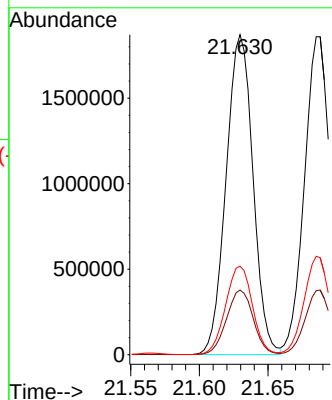
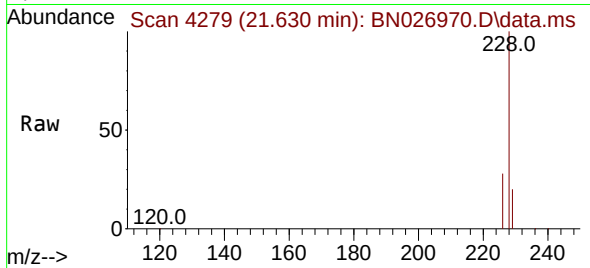




#21
Benzo(a)anthracene
Concen: 21.414 ng/ul
RT: 21.630 min Scan# 41
Delta R.T. -0.003 min
Lab File: BN026970.D
Acq: 18 Aug 2023 21:41

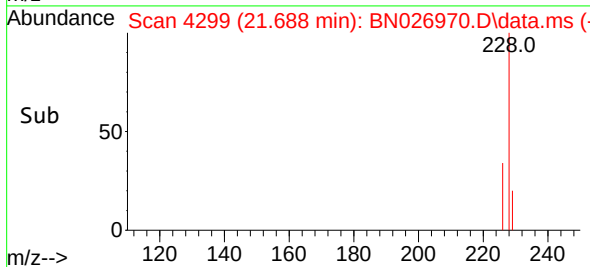
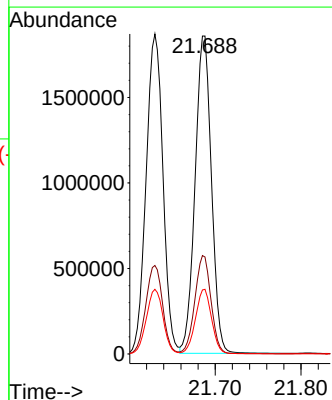
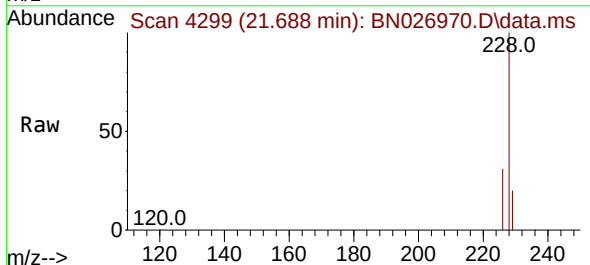
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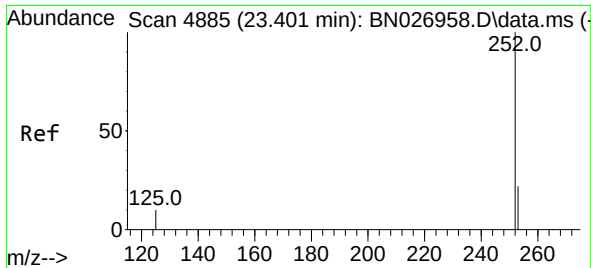
Tgt Ion:228 Resp: 2552841
Ion Ratio Lower Upper
228 100
229 20.2 16.0 24.0
226 27.7 22.2 33.2



#22
Chrysene
Concen: 20.872 ng/ul
RT: 21.688 min Scan# 4299
Delta R.T. -0.003 min
Lab File: BN026970.D
Acq: 18 Aug 2023 21:41

Tgt Ion:228 Resp: 2455963
Ion Ratio Lower Upper
228 100
226 30.5 24.6 36.8
229 20.3 15.8 23.6

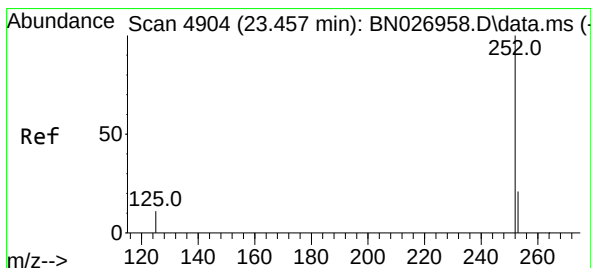
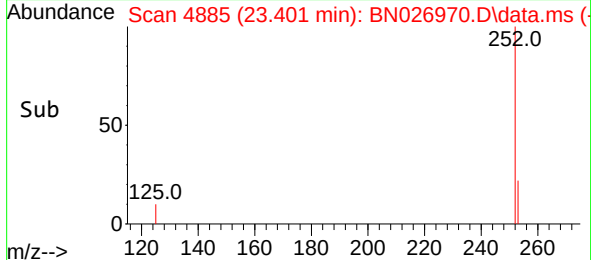
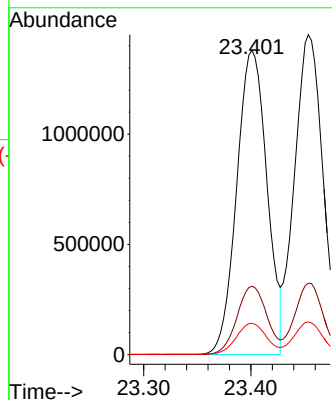
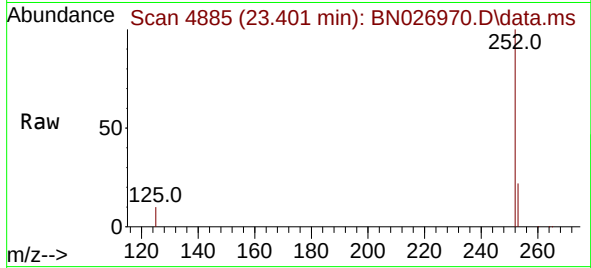




#24
Benzo(b)fluoranthene
Concen: 21.592 ng/ul
RT: 23.401 min Scan# 4885
Delta R.T. -0.006 min
Lab File: BN026970.D
Acq: 18 Aug 2023 21:41

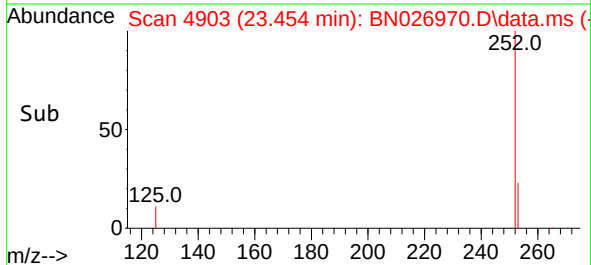
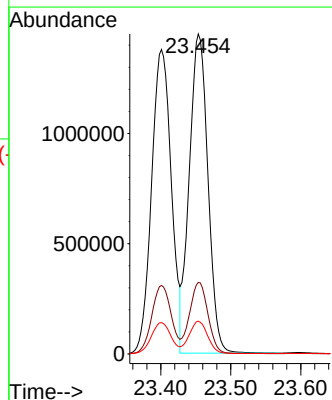
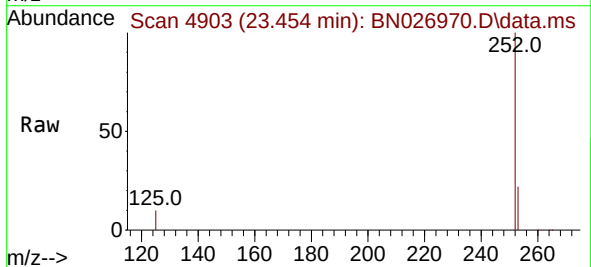
Instrument :
BNA_N
ClientSampleId :
A4832MS

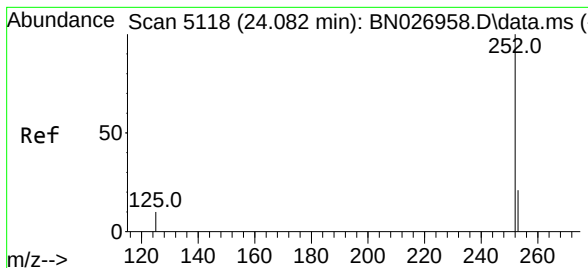
Tgt Ion:252 Resp: 2708287
Ion Ratio Lower Upper
252 100
253 22.5 0.0 46.8
125 10.3 0.0 25.2



#25
Benzo(k)fluoranthene
Concen: 21.704 ng/ul
RT: 23.454 min Scan# 4903
Delta R.T. -0.006 min
Lab File: BN026970.D
Acq: 18 Aug 2023 21:41

Tgt Ion:252 Resp: 2685066
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.4
125 10.2 9.9 14.9





#26

Benzo(a)pyrene

Concen: 20.531 ng/ul

RT: 24.079 min Scan# 5118

Delta R.T. -0.006 min

Lab File: BN026970.D

Acq: 18 Aug 2023 21:41

Instrument :

BNA_N

ClientSampleId :

A4832MS

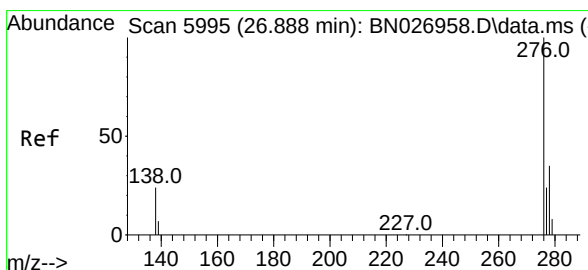
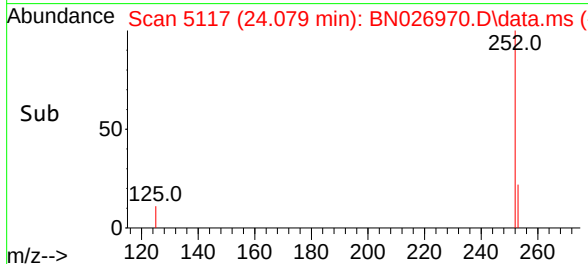
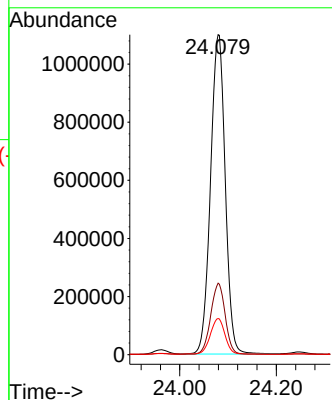
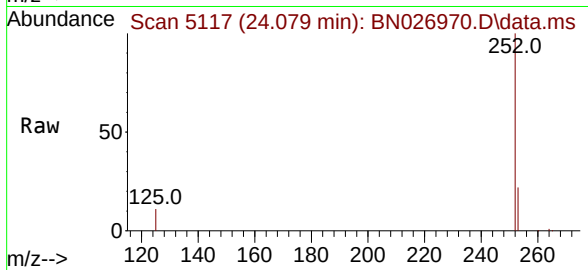
Tgt Ion:252 Resp: 2323680

Ion Ratio Lower Upper

252 100

253 22.4 19.0 28.6

125 11.3 11.4 17.0#



#27

Indeno(1,2,3-cd)pyrene

Concen: 18.132 ng/ul

RT: 26.891 min Scan# 5996

Delta R.T. 0.006 min

Lab File: BN026970.D

Acq: 18 Aug 2023 21:41

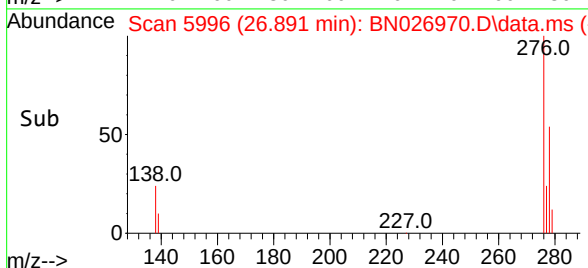
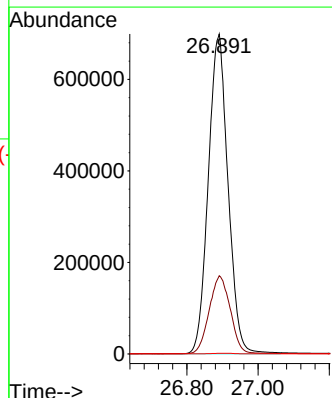
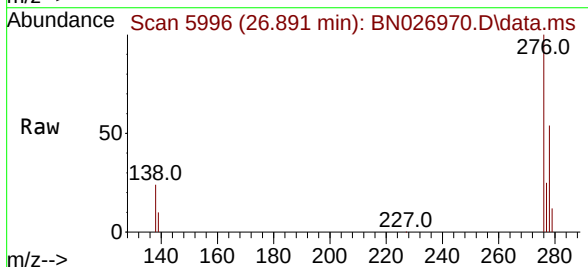
Tgt Ion:276 Resp: 2684705

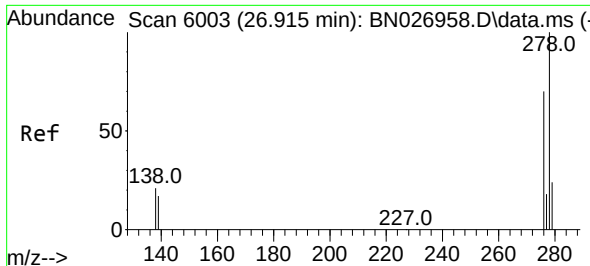
Ion Ratio Lower Upper

276 100

138 26.0 21.6 32.4

227 0.2 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 18.590 ng/ul

RT: 26.914 min Scan# 6003

Delta R.T. -0.007 min

Lab File: BN026970.D

Acq: 18 Aug 2023 21:41

Instrument :

BNA_N

ClientSampleId :

A4832MS

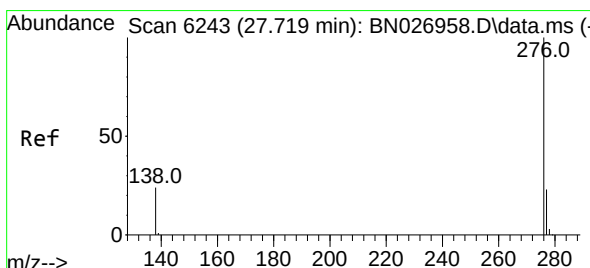
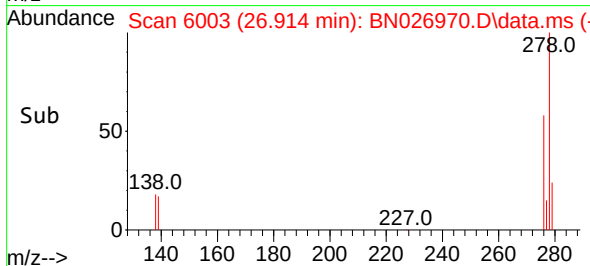
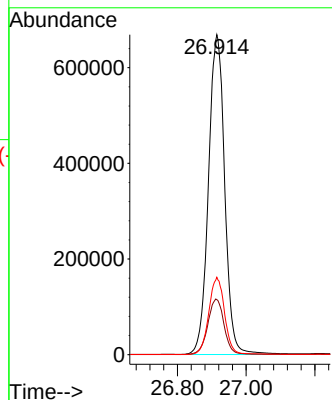
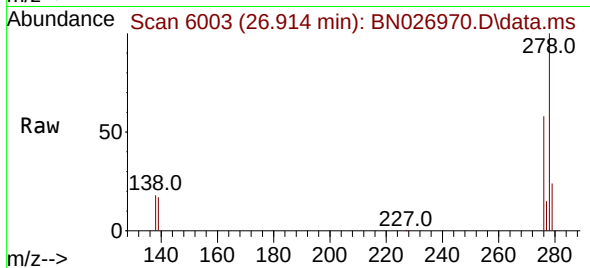
Tgt Ion:278 Resp: 2193780

Ion Ratio Lower Upper

278 100

139 17.2 15.7 23.5

279 24.2 20.2 30.4



#29

Benzo(g,h,i)perylene

Concen: 15.850 ng/ul

RT: 27.729 min Scan# 6246

Delta R.T. 0.006 min

Lab File: BN026970.D

Acq: 18 Aug 2023 21:41

Tgt Ion:276 Resp: 1953881

Ion Ratio Lower Upper

276 100

138 22.6 19.3 28.9

277 24.0 19.8 29.8

