

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081823\
 Data File : BN026971.D
 Acq On : 18 Aug 2023 22:18
 Operator : MA/JU
 Sample : 03965-03MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4832MSD

Quant Time: Aug 19 00:02:56 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

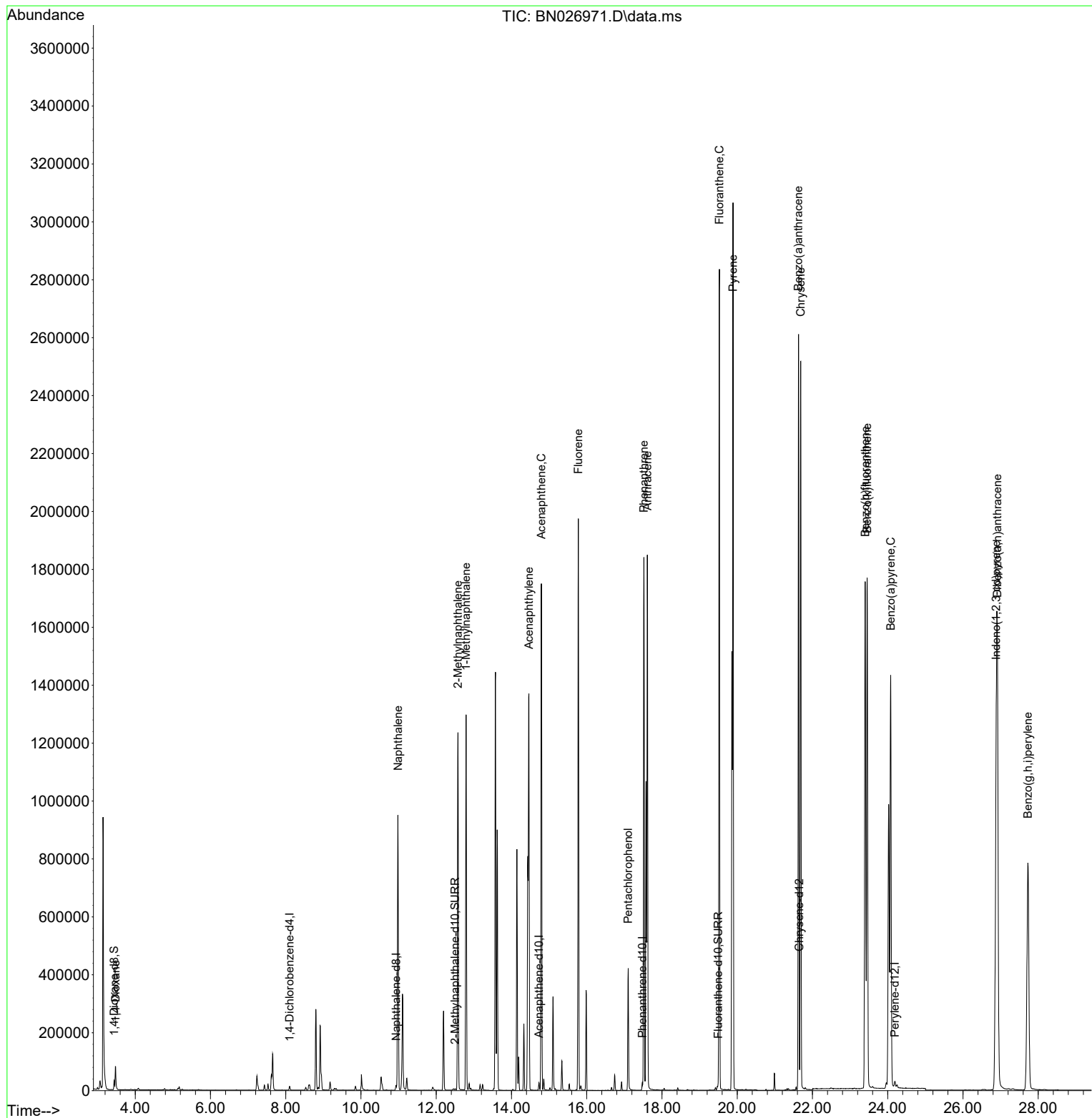
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.101	152	6684	0.400	ng/ul	0.00
4) Naphthalene-d8	10.933	136	23120	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.731	164	14218	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.477	188	30685	0.400	ng/ul	0.00
17) Chrysene-d12	21.647	240	28031	0.400	ng/ul	0.00
23) Perylene-d12	24.190	264	31037	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	22365	2.818	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	6845	0.201	ng/ul	0.00
18) Fluoranthene-d10	19.492	212	18039	0.204	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.477	88	62485	7.713	ng/ul#	90
5) Naphthalene	10.982	128	1297665	19.862	ng/ul	99
7) 2-Methylnaphthalene	12.577	142	869693	21.977	ng/ul	99
8) 1-Methylnaphthalene	12.792	142	876850	21.169	ng/ul	99
10) Acenaphthylene	14.462	152	1502845	18.867	ng/ul	99
11) Acenaphthene	14.795	153	1027605	18.641	ng/ul	98
12) Fluorene	15.776	166	1220140	19.565	ng/ul	97
14) Pentachlorophenol	17.101	266	264112	30.423	ng/ul	100
15) Phenanthrene	17.519	178	1983708	19.678	ng/ul	100
16) Anthracene	17.612	178	1936356	21.255	ng/ul	100
19) Fluoranthene	19.525	202	2427972	20.853	ng/ul	99
20) Pyrene	19.887	202	2507150	20.180	ng/ul	99
21) Benzo(a)anthracene	21.627	228	2394763	21.481	ng/ul	100
22) Chrysene	21.688	228	2318244	21.068	ng/ul	99
24) Benzo(b)fluoranthene	23.401	252	2581205	21.987	ng/ul	97
25) Benzo(k)fluoranthene	23.454	252	2541688	21.951	ng/ul	97
26) Benzo(a)pyrene	24.079	252	2214584	20.906	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	26.884	276	2601627	18.774	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.914	278	2123414	19.225	ng/ul	96
29) Benzo(g,h,i)perylene	27.726	276	1890115	16.382	ng/ul	98

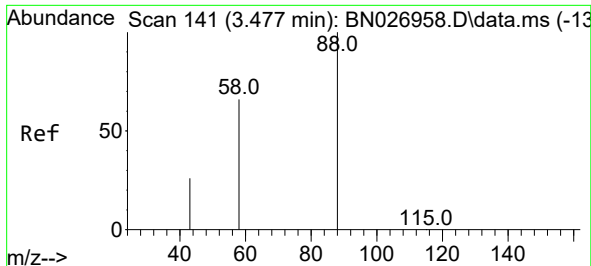
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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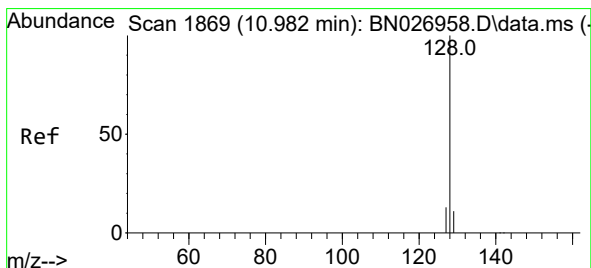
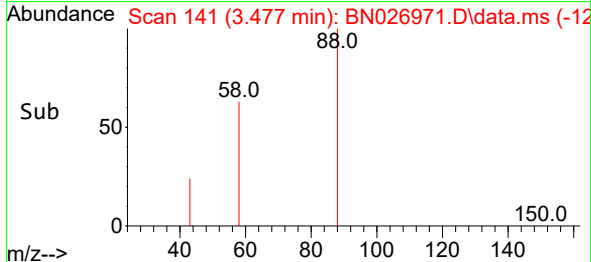
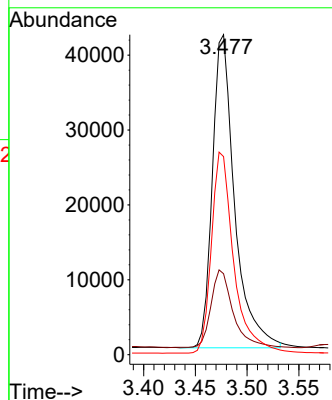
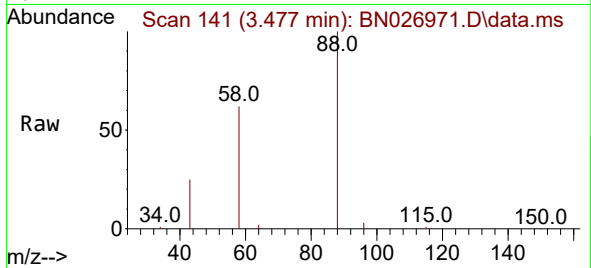




#2
1,4-Dioxane
Concen: 7.713 ng/ul
RT: 3.477 min Scan# 141
Delta R.T. -0.000 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

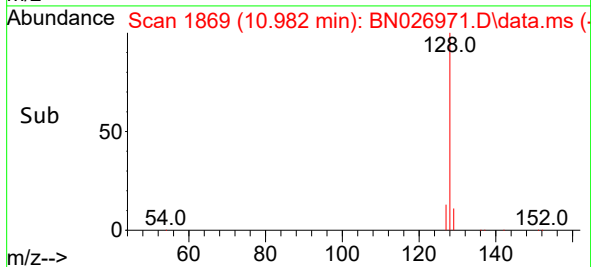
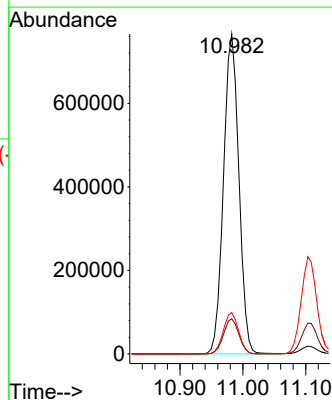
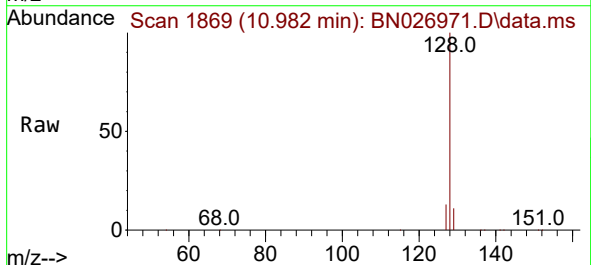
Instrument :
BNA_N
ClientSampleId :
A4832MSD

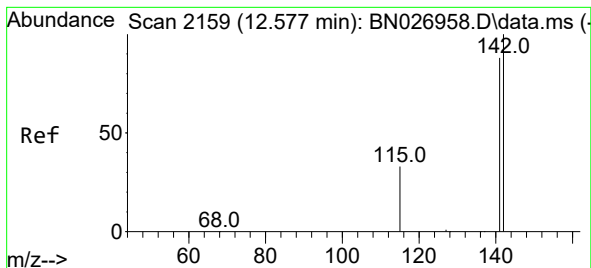
Tgt Ion: 88 Resp: 62485
Ion Ratio Lower Upper
88 100
43 25.3 28.0 42.0#
58 61.9 46.0 69.0



#5
Naphthalene
Concen: 19.862 ng/ul
RT: 10.982 min Scan# 1869
Delta R.T. -0.000 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

Tgt Ion:128 Resp: 1297665
Ion Ratio Lower Upper
128 100
129 11.0 9.2 13.8
127 12.9 10.5 15.7

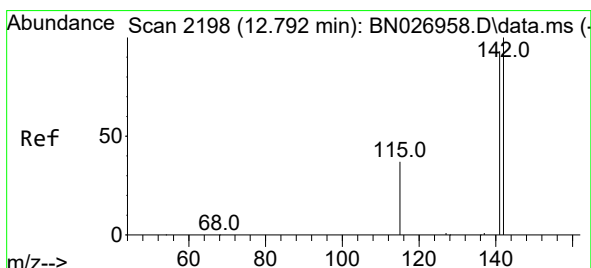
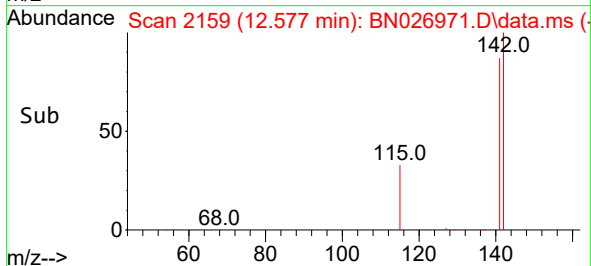
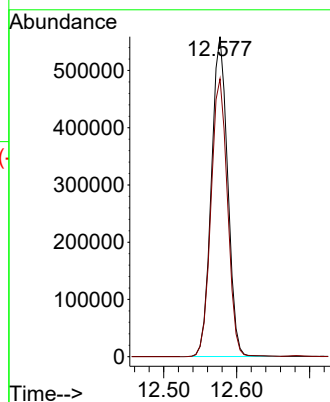
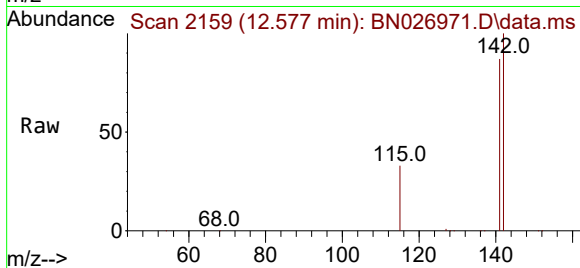




#7
2-Methylnaphthalene
Concen: 21.977 ng/ul
RT: 12.577 min Scan# 2159
Delta R.T. -0.000 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

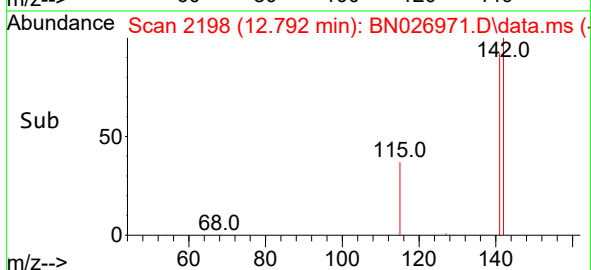
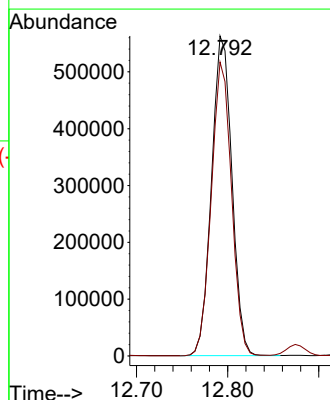
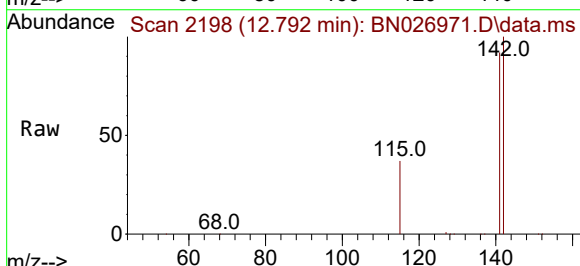
Instrument :
BNA_N
ClientSampleId :
A4832MSD

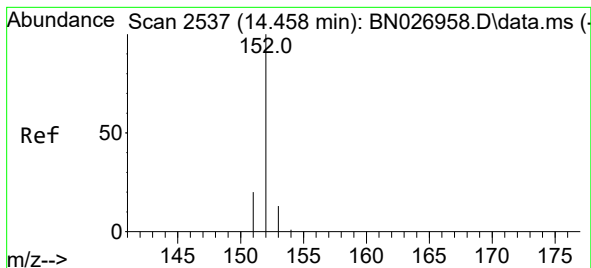
Tgt Ion:142 Resp: 869693
Ion Ratio Lower Upper
142 100
141 87.8 70.9 106.3



#8
1-Methylnaphthalene
Concen: 21.169 ng/ul
RT: 12.792 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

Tgt Ion:142 Resp: 876850
Ion Ratio Lower Upper
142 100
141 91.0 73.2 109.8





#10

Acenaphthylene

Concen: 18.867 ng/ul

RT: 14.462 min Scan# 21

Delta R.T. 0.005 min

Lab File: BN026971.D

Acq: 18 Aug 2023 22:18

Instrument :

BNA_N

ClientSampleId :

A4832MSD

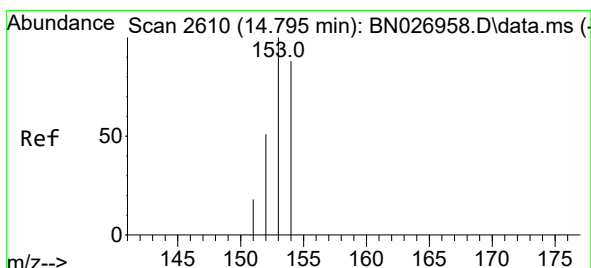
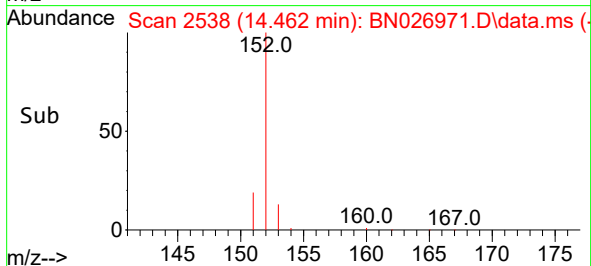
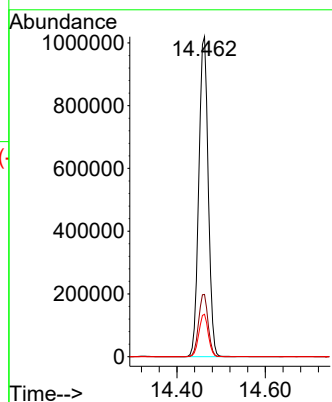
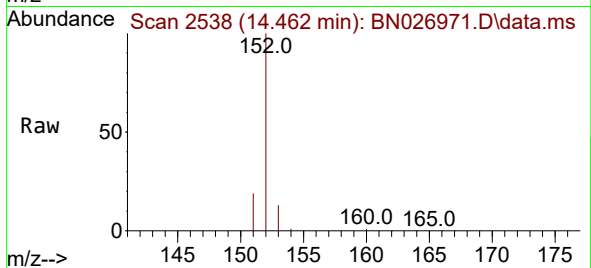
Tgt Ion:152 Resp: 1502845

Ion Ratio Lower Upper

152 100

151 19.4 15.9 23.9

153 13.2 11.0 16.6



#11

Acenaphthene

Concen: 18.641 ng/ul

RT: 14.795 min Scan# 2610

Delta R.T. 0.005 min

Lab File: BN026971.D

Acq: 18 Aug 2023 22:18

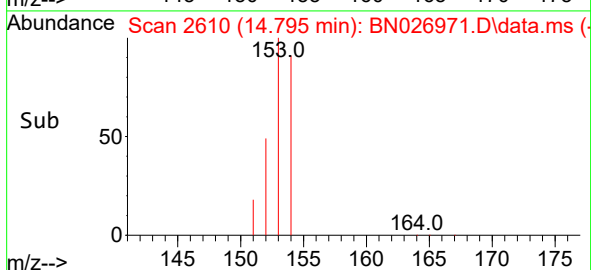
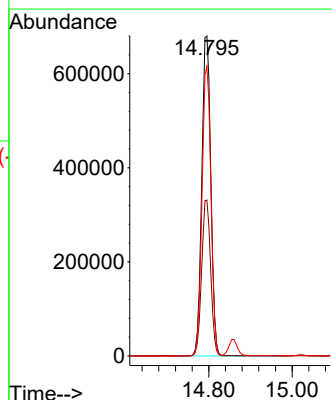
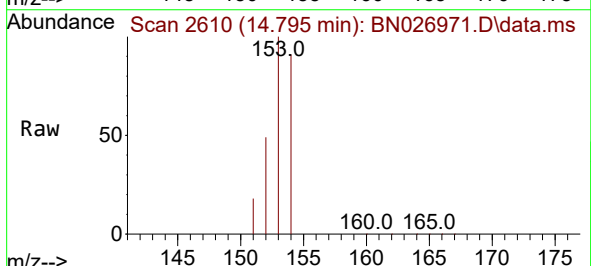
Tgt Ion:153 Resp: 1027605

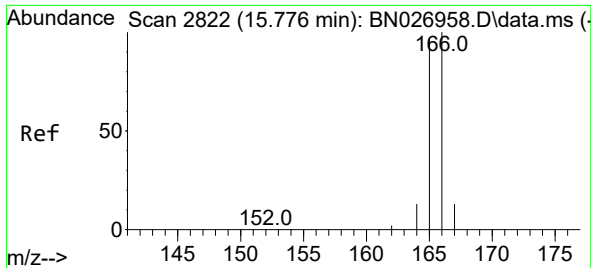
Ion Ratio Lower Upper

153 100

152 48.7 41.1 61.7

154 90.5 71.6 107.4

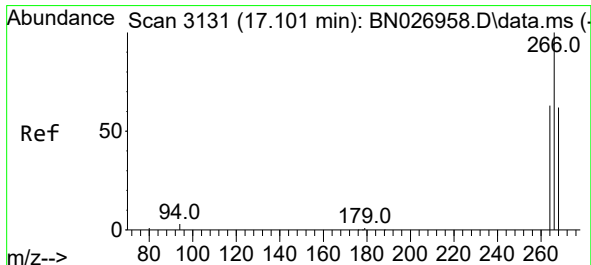
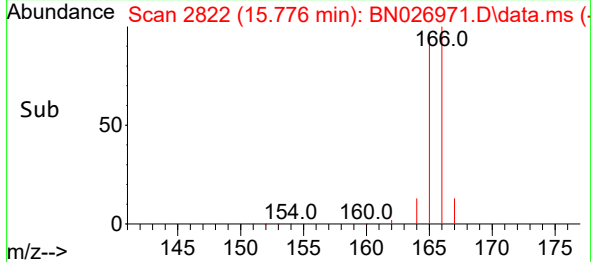
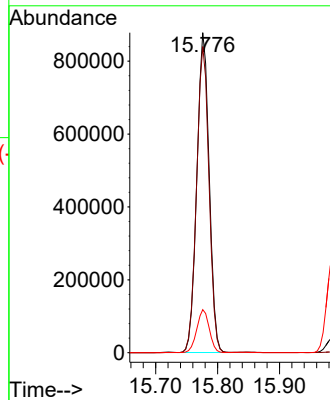
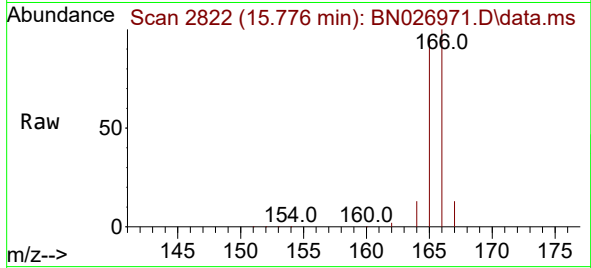




#12
Fluorene
Concen: 19.565 ng/ul
RT: 15.776 min Scan# 2822
Delta R.T. 0.005 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

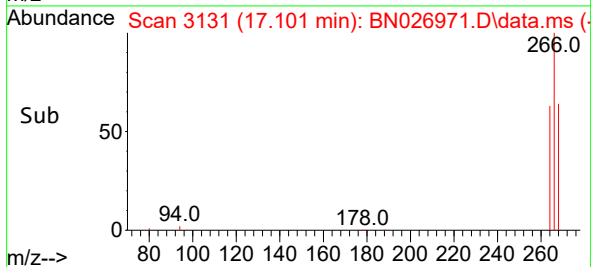
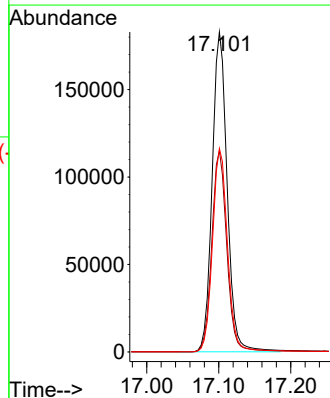
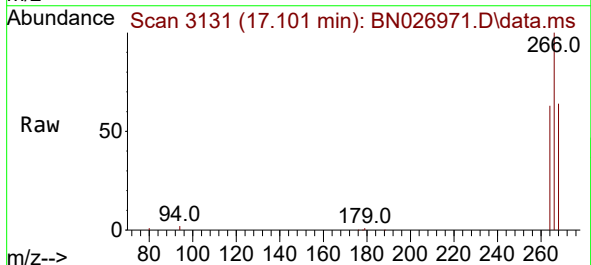
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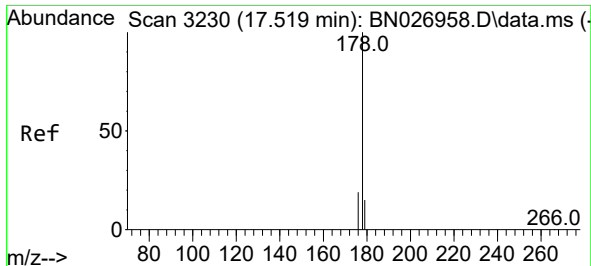
Tgt Ion:166 Resp: 1220140
Ion Ratio Lower Upper
166 100
165 95.7 79.1 118.7
167 13.4 11.4 17.0



#14
Pentachlorophenol
Concen: 30.423 ng/ul
RT: 17.101 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

Tgt Ion:266 Resp: 264112
Ion Ratio Lower Upper
266 100
264 63.0 50.4 75.6
268 63.8 51.2 76.8

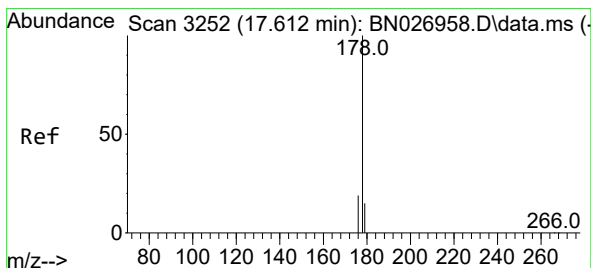
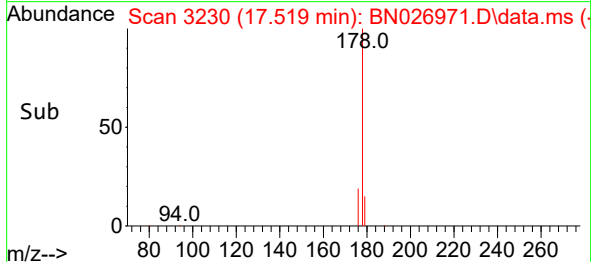
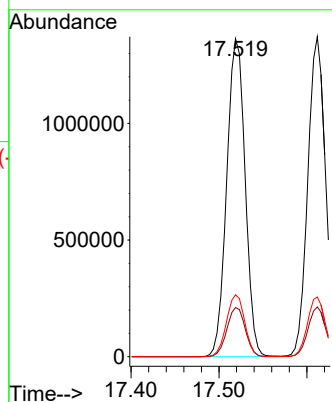
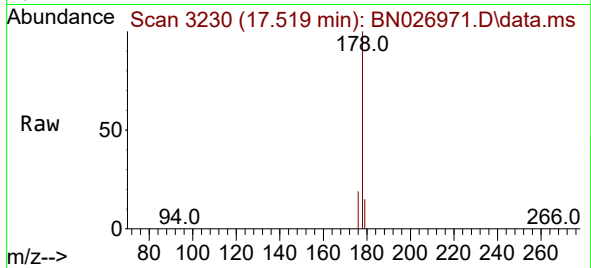




#15
Phenanthrene
Concen: 19.678 ng/ul
RT: 17.519 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

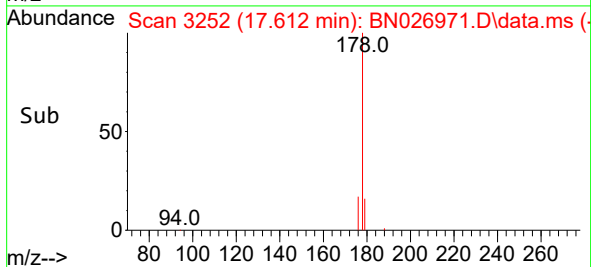
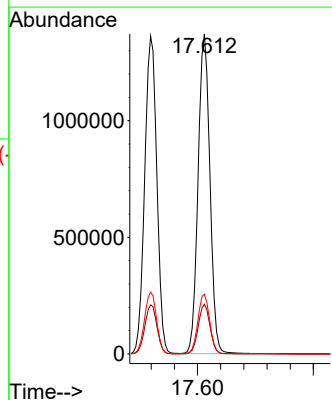
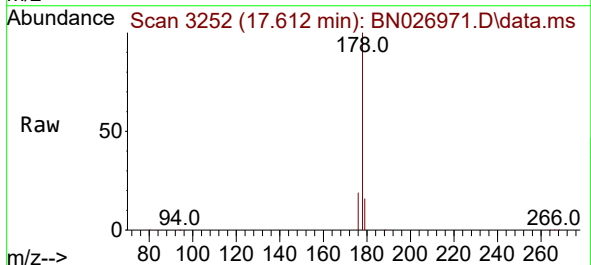
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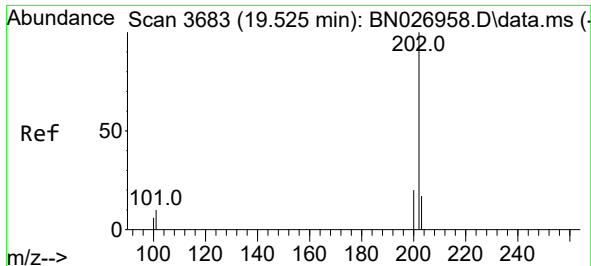
Tgt Ion:178 Resp: 1983708
Ion Ratio Lower Upper
178 100
179 15.5 12.6 18.8
176 19.5 15.4 23.2



#16
Anthracene
Concen: 21.255 ng/ul
RT: 17.612 min Scan# 3252
Delta R.T. 0.004 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

Tgt Ion:178 Resp: 1936356
Ion Ratio Lower Upper
178 100
179 15.6 12.6 19.0
176 18.6 15.0 22.6

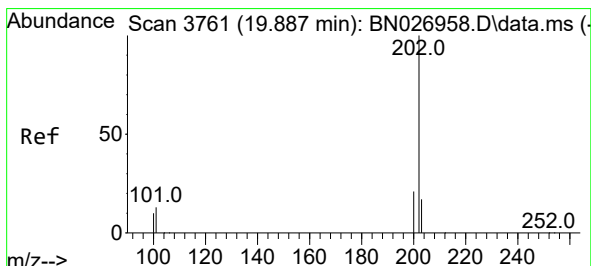
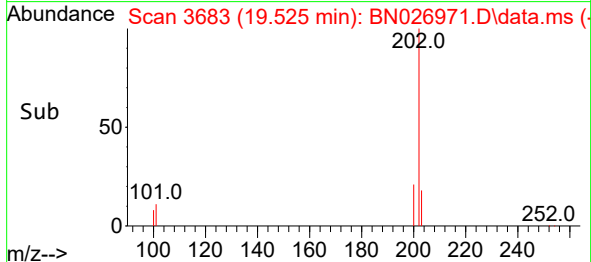
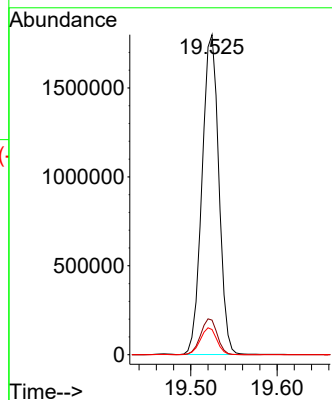
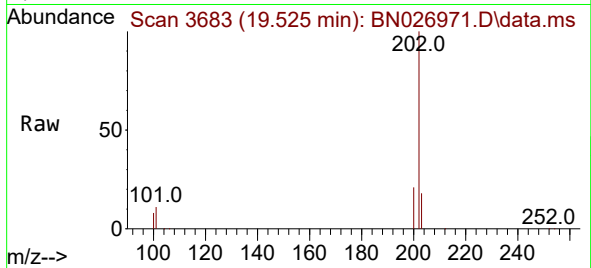




#19
Fluoranthene
Concen: 20.853 ng/ul
RT: 19.525 min Scan# 3683
Delta R.T. -0.000 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

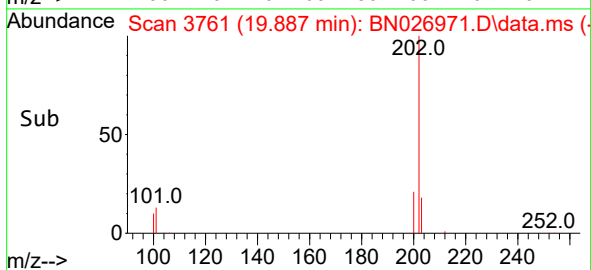
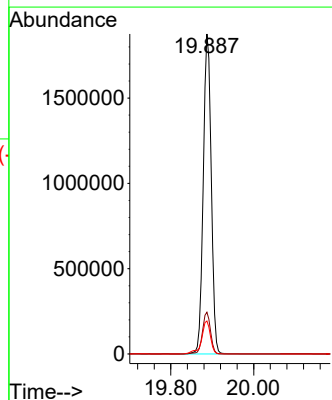
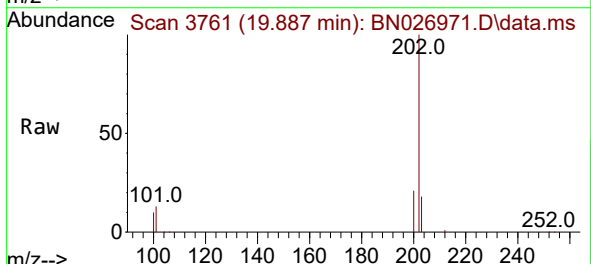
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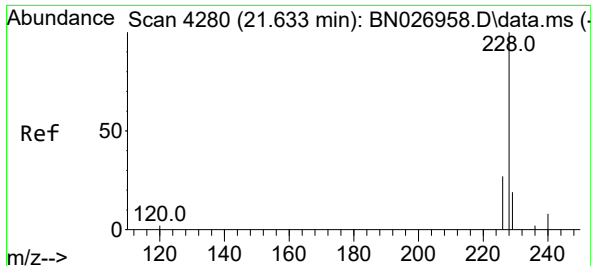
Tgt Ion:202 Resp: 2427972
Ion Ratio Lower Upper
202 100
101 10.8 8.3 12.5
100 7.8 6.2 9.2



#20
Pyrene
Concen: 20.180 ng/ul
RT: 19.887 min Scan# 3761
Delta R.T. -0.000 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

Tgt Ion:202 Resp: 2507150
Ion Ratio Lower Upper
202 100
101 13.1 10.7 16.1
100 10.3 8.5 12.7

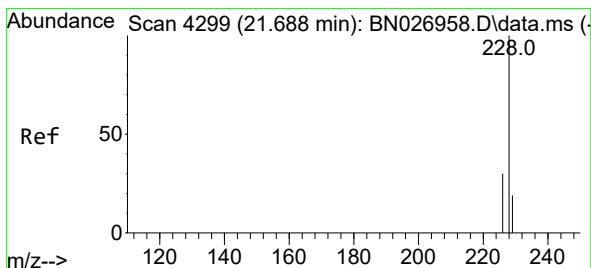
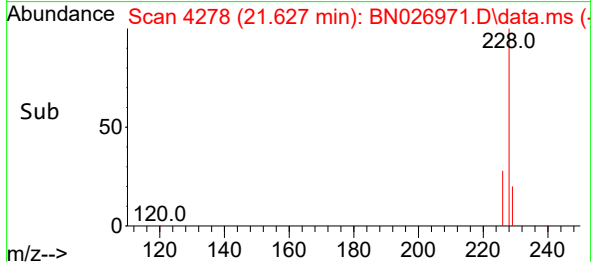
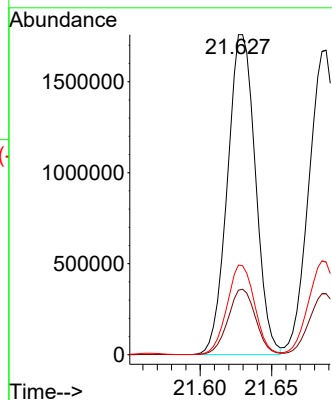
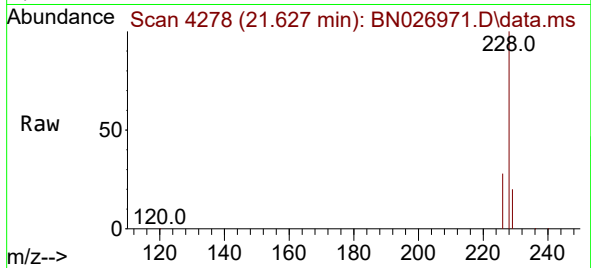




#21
Benzo(a)anthracene
Concen: 21.481 ng/ul
RT: 21.627 min Scan# 4278
Delta R.T. -0.006 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

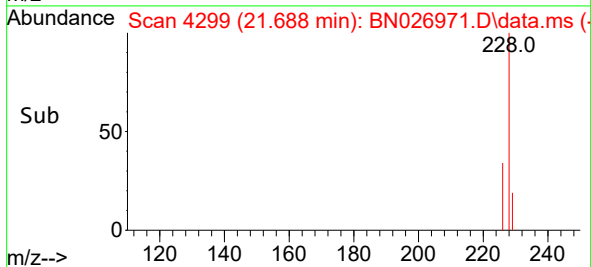
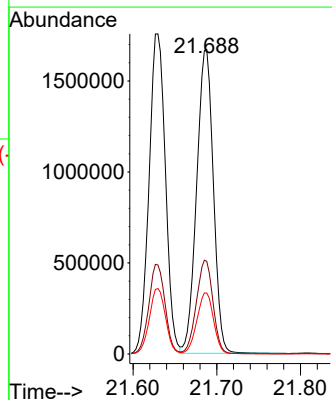
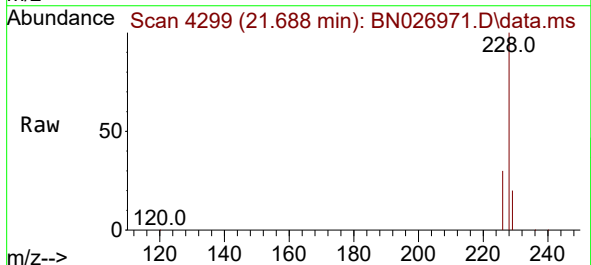
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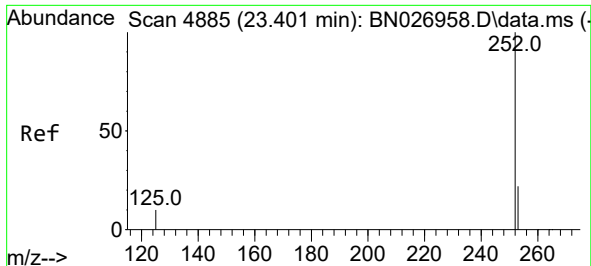
Tgt Ion:228 Resp: 2394763
Ion Ratio Lower Upper
228 100
229 20.2 16.0 24.0
226 28.0 22.2 33.2



#22
Chrysene
Concen: 21.068 ng/ul
RT: 21.688 min Scan# 4299
Delta R.T. -0.003 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

Tgt Ion:228 Resp: 2318244
Ion Ratio Lower Upper
228 100
226 30.4 24.6 36.8
229 20.0 15.8 23.6

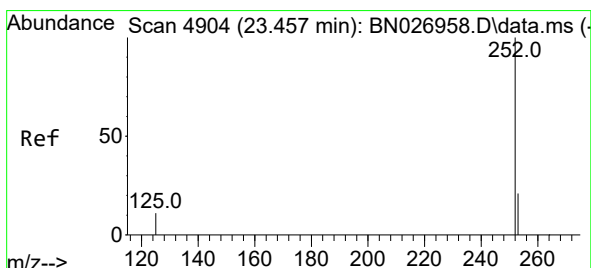
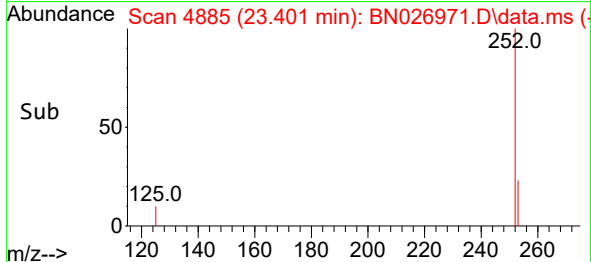
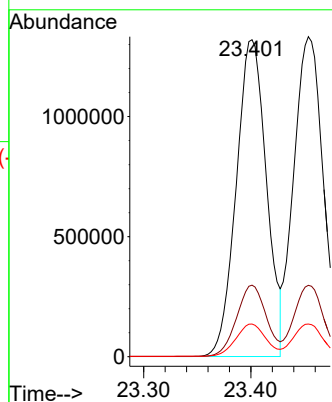
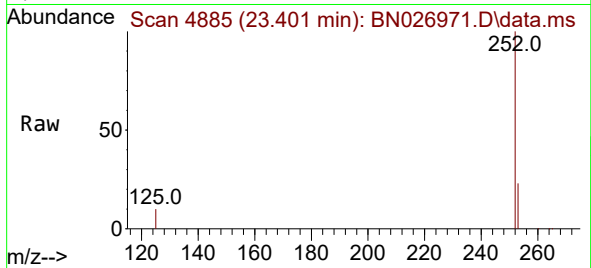




#24
Benzo(b)fluoranthene
Concen: 21.987 ng/ul
RT: 23.401 min Scan# 4885
Delta R.T. -0.006 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

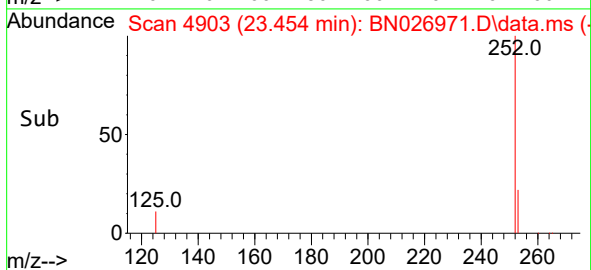
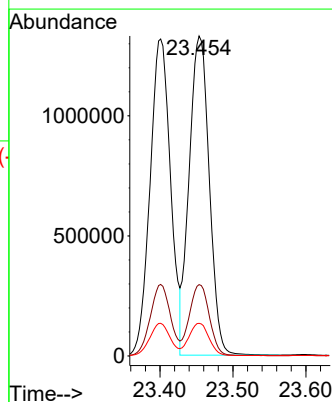
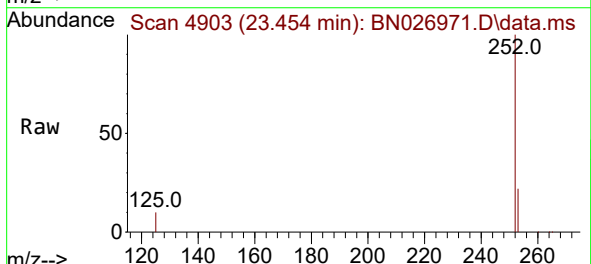
Instrument :
BNA_N
ClientSampleId :
A4832MSD

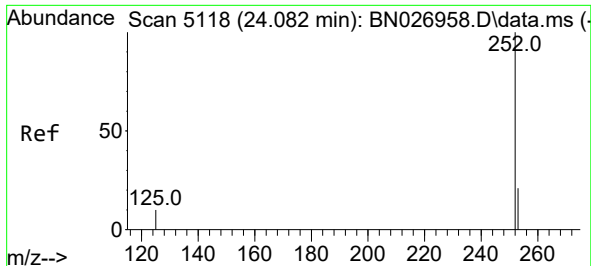
Tgt Ion:252 Resp: 2581205
Ion Ratio Lower Upper
252 100
253 22.6 0.0 46.8
125 10.3 0.0 25.2



#25
Benzo(k)fluoranthene
Concen: 21.951 ng/ul
RT: 23.454 min Scan# 4903
Delta R.T. -0.006 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

Tgt Ion:252 Resp: 2541688
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.4
125 10.2 9.9 14.9

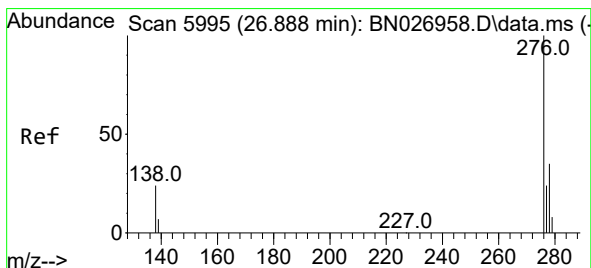
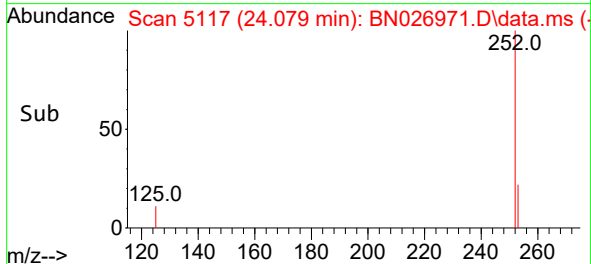
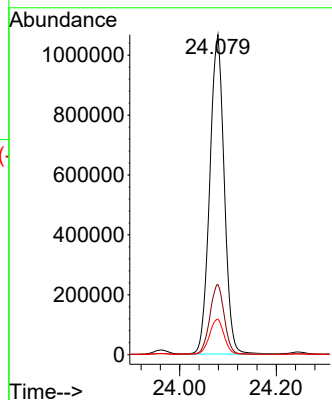
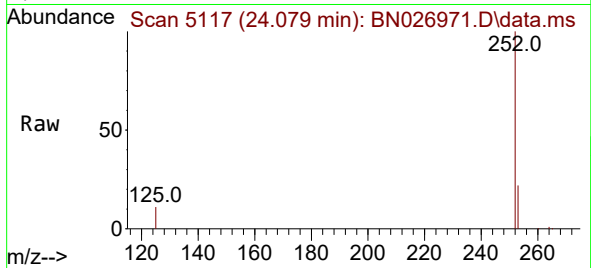




#26
Benzo(a)pyrene
Concen: 20.906 ng/ul
RT: 24.079 min Scan# 5118
Delta R.T. -0.006 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

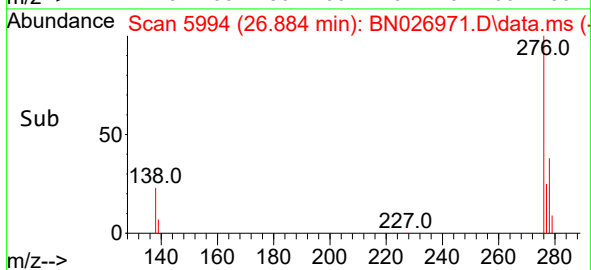
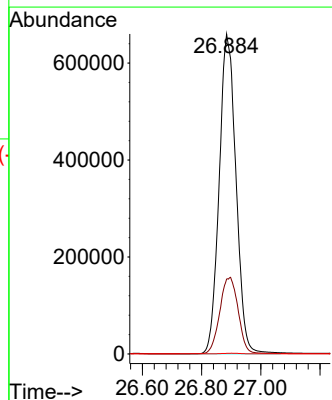
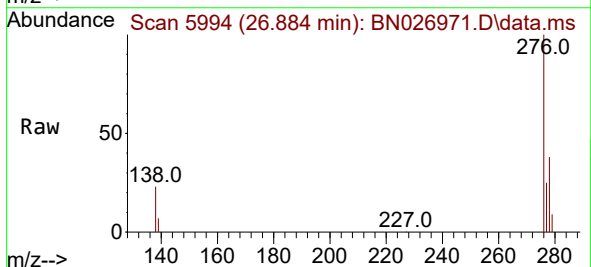
Instrument :
BNA_N
ClientSampleId :
A4832MSD

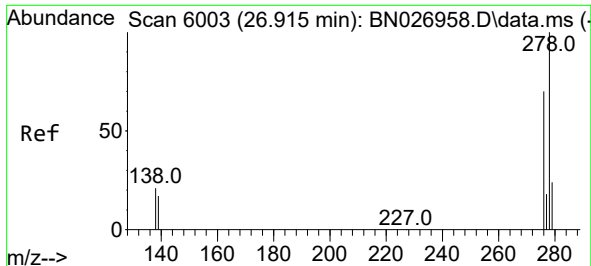
Tgt Ion:252 Resp: 2214584
Ion Ratio Lower Upper
252 100
253 21.9 19.0 28.6
125 11.1 11.4 17.0#



#27
Indeno(1,2,3-cd)pyrene
Concen: 18.774 ng/ul
RT: 26.884 min Scan# 5994
Delta R.T. -0.000 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

Tgt Ion:276 Resp: 2601627
Ion Ratio Lower Upper
276 100
138 26.0 21.6 32.4
227 0.2 0.0 0.0#

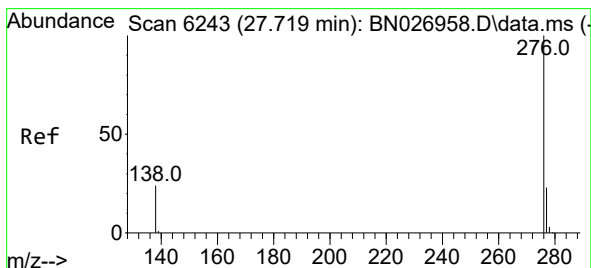
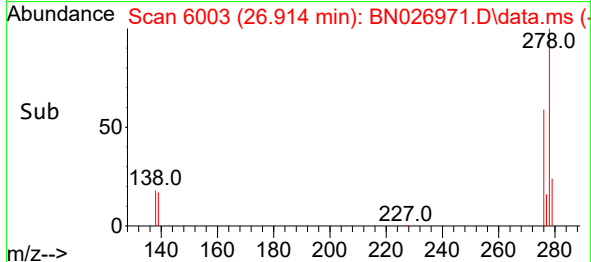
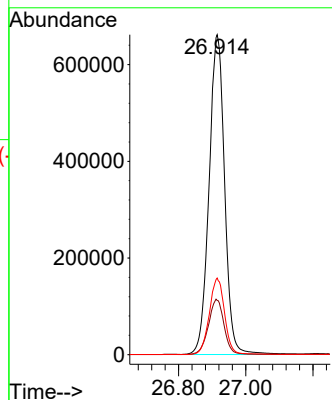
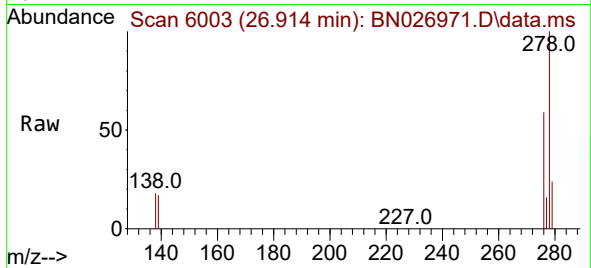




#28
Dibenzo(a,h)anthracene
Concen: 19.225 ng/ul
RT: 26.914 min Scan# 6003
Delta R.T. -0.007 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

Instrument :
BNA_N
ClientSampleId :
A4832MSD

Tgt Ion:278 Resp: 2123414
Ion Ratio Lower Upper
278 100
139 17.0 15.7 23.5
279 23.9 20.2 30.4



#29
Benzo(g,h,i)perylene
Concen: 16.382 ng/ul
RT: 27.726 min Scan# 6245
Delta R.T. 0.003 min
Lab File: BN026971.D
Acq: 18 Aug 2023 22:18

Tgt Ion:276 Resp: 1890115
Ion Ratio Lower Upper
276 100
138 22.8 19.3 28.9
277 23.8 19.8 29.8

