

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082423\
 Data File : BN027106.D
 Acq On : 24 Aug 2023 20:29
 Operator : MA/JU
 Sample : 03968-30
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48P8

Quant Time: Aug 25 03:51:48 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 23 02:28:27 2023
 Response via : Initial Calibration

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

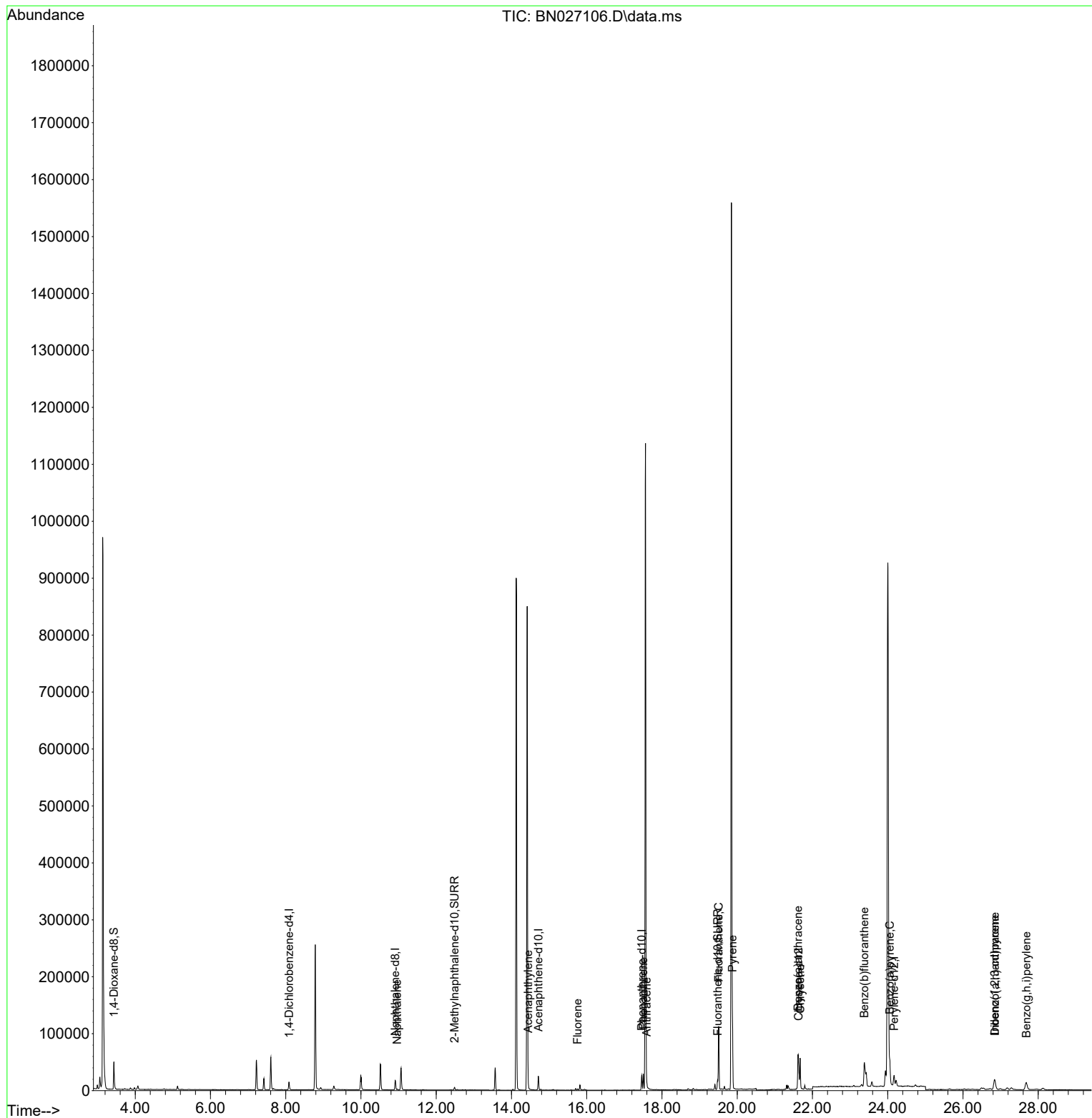
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.089	152	6826	0.400	ng/ul	0.00
4) Naphthalene-d8	10.911	136	22697	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.717	164	13578	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.460	188	29799	0.400	ng/ul	0.00
17) Chrysene-d12	21.633	240	25622	0.400	ng/ul	0.00
23) Perylene-d12	24.170	264	27134	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.431	96	32987	4.071	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.484	152	6378	0.191	ng/ul	-0.01
18) Fluoranthene-d10	19.478	212	17047	0.211	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.960	128	1836	0.029	ng/ul#	82
10) Acenaphthylene	14.444	152	6123	0.080	ng/ul	96
12) Fluorene	15.758	166	1333	0.022	ng/ul#	94
15) Phenanthrene	17.502	178	30086	0.307	ng/ul	99
16) Anthracene	17.595	178	8007	0.091	ng/ul	95
19) Fluoranthene	19.506	202	99568	0.936	ng/ul	97
20) Pyrene	19.873	202	95364	0.840	ng/ul	99
21) Benzo(a)anthracene	21.615	228	54733	0.537	ng/ul	98
22) Chrysene	21.671	228	50285	0.500	ng/ul	98
24) Benzo(b)fluoranthene	23.381	252	113424	1.105	ng/ul	95
26) Benzo(a)pyrene	24.053	252	58624	0.633	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	26.841	276	35491	0.293	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.851	278	8423	0.087	ng/ul#	72
29) Benzo(g,h,i)perylene	27.683	276	33299	0.330	ng/ul	97

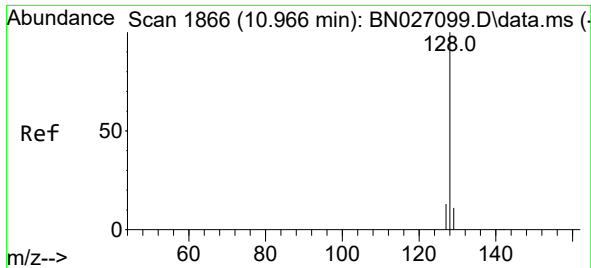
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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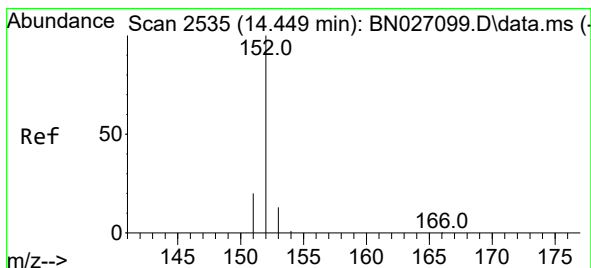
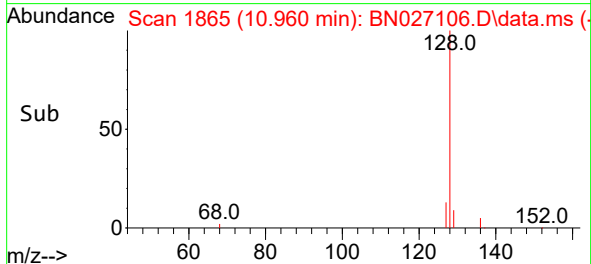
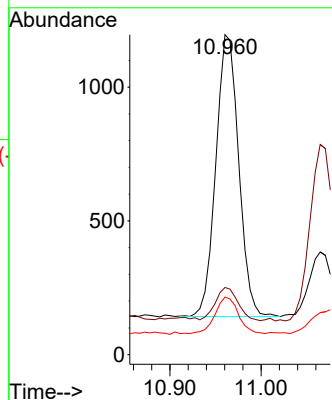
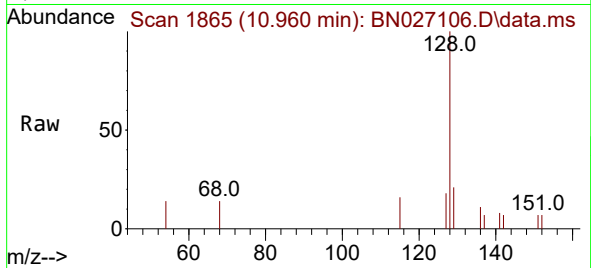




#5
Naphthalene
Concen: 0.029 ng/ul
RT: 10.960 min Scan# 1866
Delta R.T. -0.011 min
Lab File: BN027106.D
Acq: 24 Aug 2023 20:29

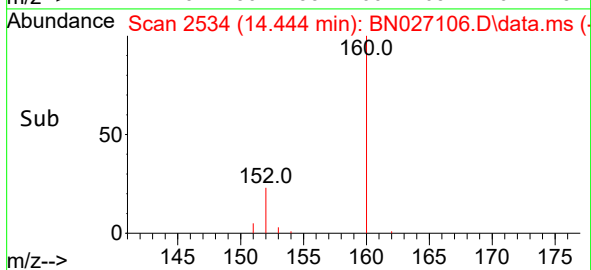
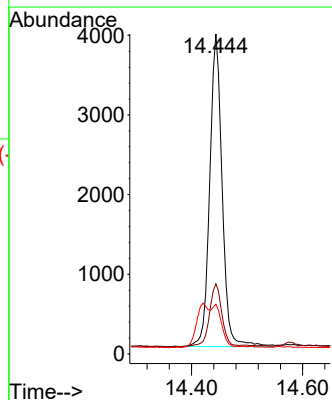
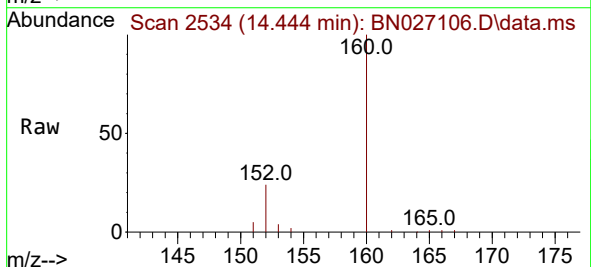
Instrument :
BNA_N
ClientSampleId :
A48P8

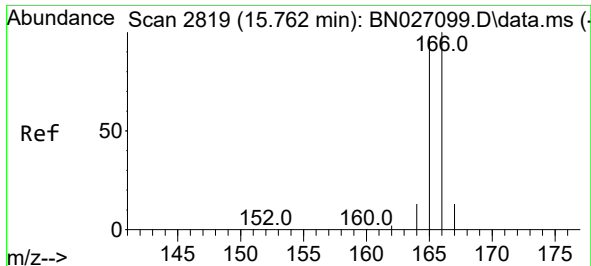
Tgt Ion:128 Resp: 1836
Ion Ratio Lower Upper
128 100
129 21.0 9.2 13.8#
127 18.0 10.5 15.7#



#10
Acenaphthylene
Concen: 0.080 ng/ul
RT: 14.444 min Scan# 2534
Delta R.T. -0.009 min
Lab File: BN027106.D
Acq: 24 Aug 2023 20:29

Tgt Ion:152 Resp: 6123
Ion Ratio Lower Upper
152 100
151 21.9 15.9 23.9
153 15.6 11.0 16.6

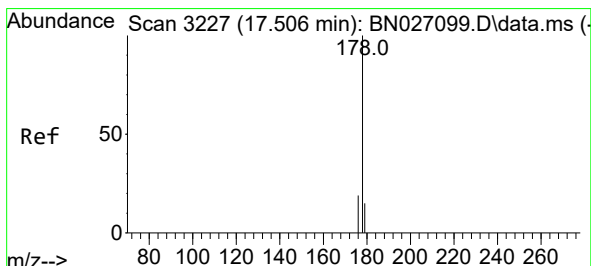
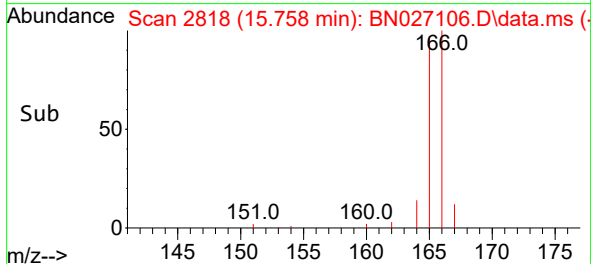
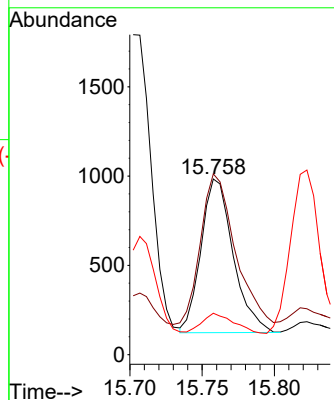
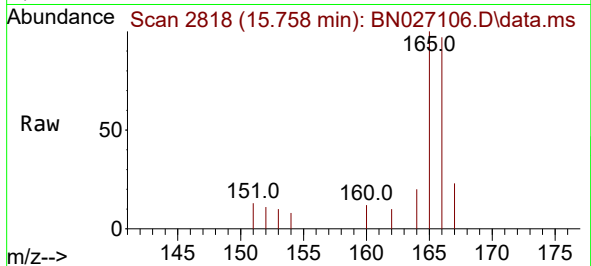




#12
Fluorene
Concen: 0.022 ng/ul
RT: 15.758 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN027106.D
Acq: 24 Aug 2023 20:29

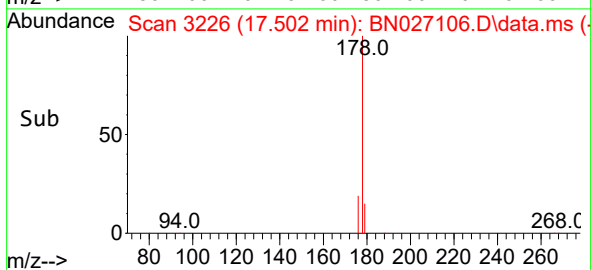
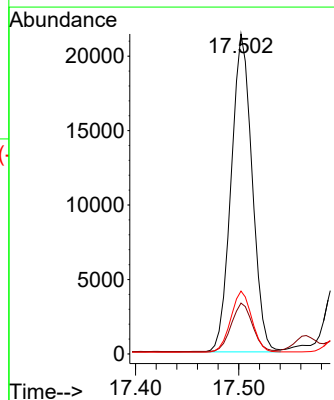
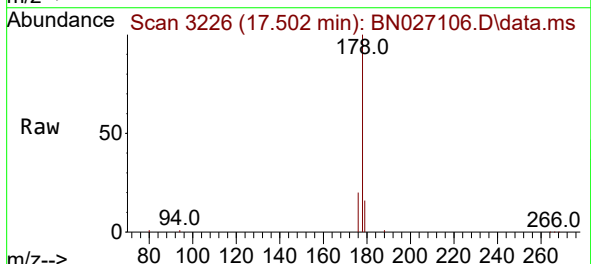
Instrument :
BNA_N
ClientSampleId :
A48P8

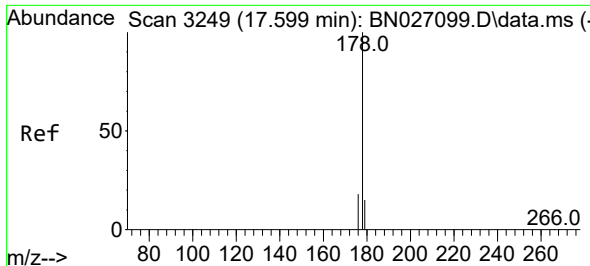
Tgt Ion:166 Resp: 1333
Ion Ratio Lower Upper
166 100
165 102.8 79.1 118.7
167 23.6 11.4 17.0#



#15
Phenanthrene
Concen: 0.307 ng/ul
RT: 17.502 min Scan# 3226
Delta R.T. -0.008 min
Lab File: BN027106.D
Acq: 24 Aug 2023 20:29

Tgt Ion:178 Resp: 30086
Ion Ratio Lower Upper
178 100
179 15.9 12.6 18.8
176 19.7 15.4 23.2

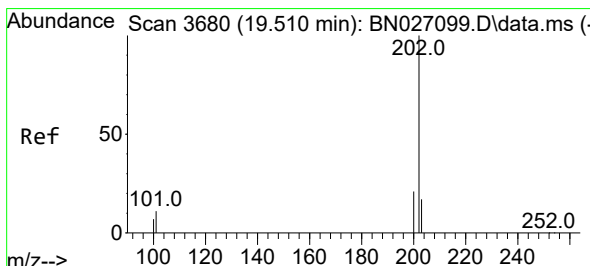
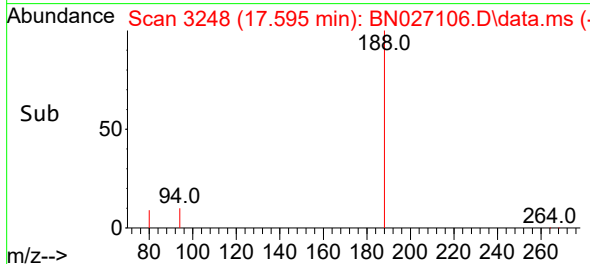
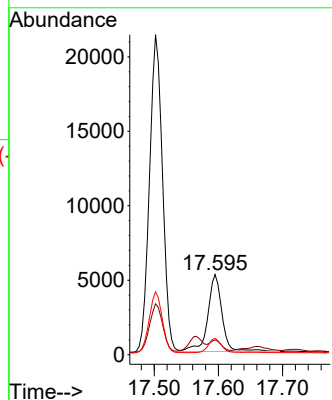
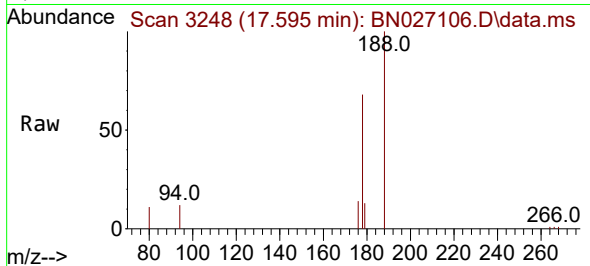




#16
 Anthracene
 Concen: 0.091 ng/ul
 RT: 17.595 min Scan# 31
 Delta R.T. -0.008 min
 Lab File: BN027106.D
 Acq: 24 Aug 2023 20:29

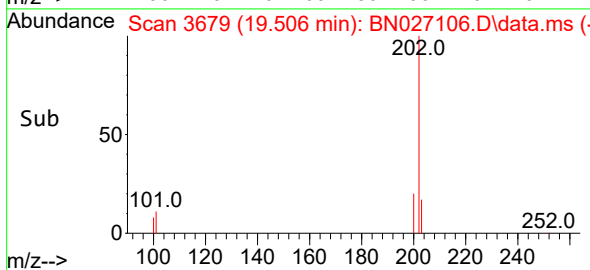
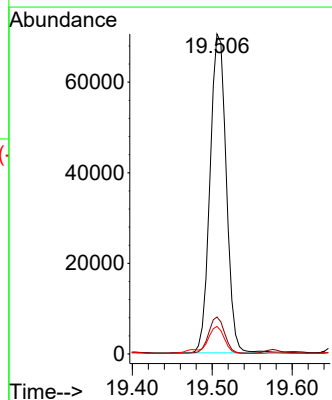
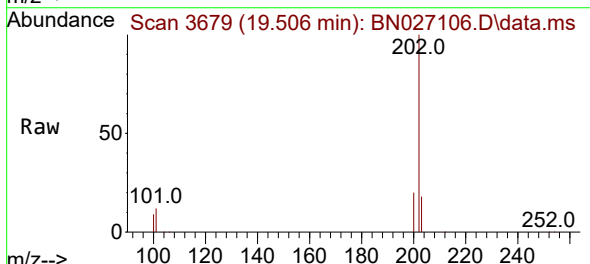
Instrument :
 BNA_N
 ClientSampleId :
 A48P8

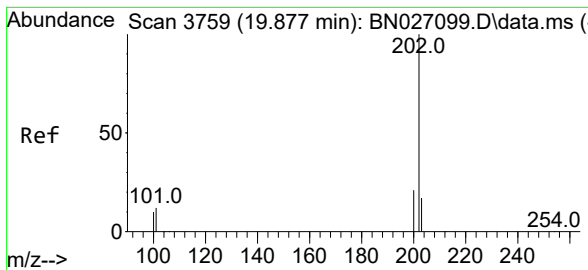
Tgt Ion:178 Resp: 8007
 Ion Ratio Lower Upper
 178 100
 179 18.4 12.6 19.0
 176 20.4 15.0 22.6



#19
 Fluoranthene
 Concen: 0.936 ng/ul
 RT: 19.506 min Scan# 3679
 Delta R.T. -0.009 min
 Lab File: BN027106.D
 Acq: 24 Aug 2023 20:29

Tgt Ion:202 Resp: 99568
 Ion Ratio Lower Upper
 202 100
 101 11.6 8.3 12.5
 100 8.6 6.2 9.2





#20

Pyrene

Concen: 0.840 ng/ul

RT: 19.873 min Scan# 31

Delta R.T. -0.009 min

Lab File: BN027106.D

Acq: 24 Aug 2023 20:29

Instrument :

BNA_N

ClientSampleId :

A48P8

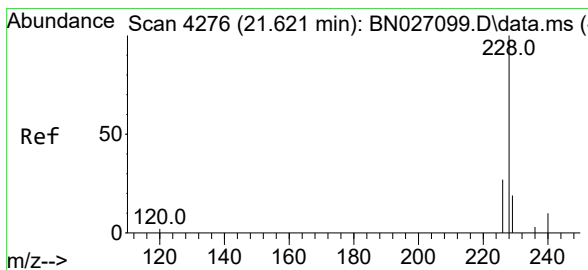
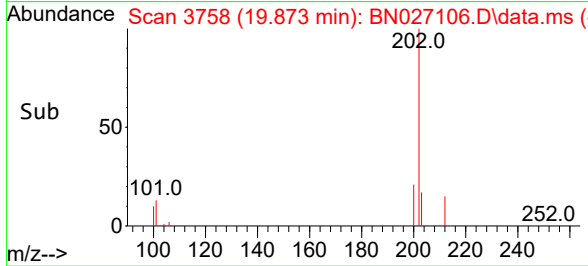
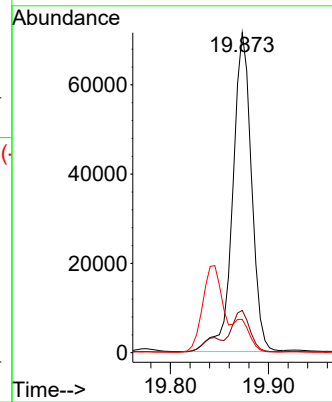
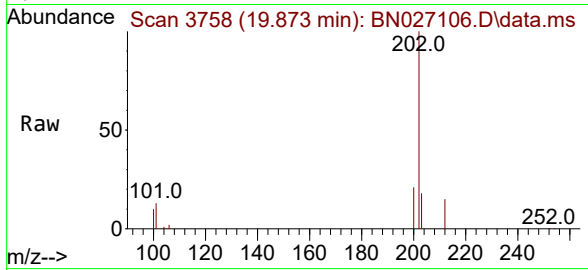
Tgt Ion:202 Resp: 95364

Ion Ratio Lower Upper

202 100

101 13.2 10.7 16.1

100 10.4 8.5 12.7



#21

Benzo(a)anthracene

Concen: 0.537 ng/ul

RT: 21.615 min Scan# 4274

Delta R.T. -0.006 min

Lab File: BN027106.D

Acq: 24 Aug 2023 20:29

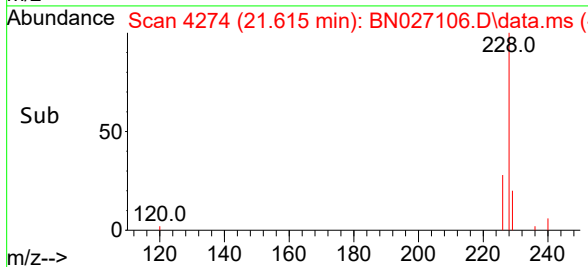
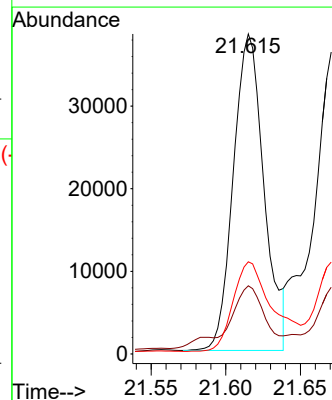
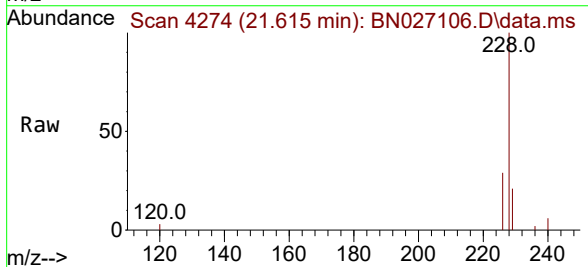
Tgt Ion:228 Resp: 54733

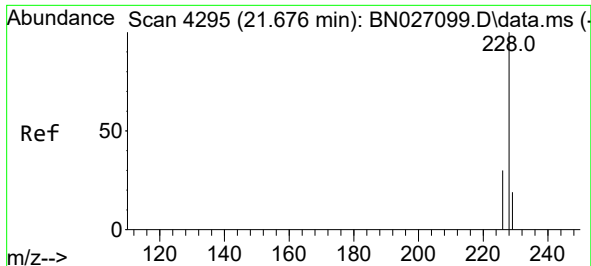
Ion Ratio Lower Upper

228 100

229 21.3 16.0 24.0

226 28.8 22.2 33.2





#22

Chrysene

Concen: 0.500 ng/ul

RT: 21.671 min Scan# 4295

Delta R.T. -0.006 min

Lab File: BN027106.D

Acq: 24 Aug 2023 20:29

Instrument :

BNA_N

ClientSampleId :

A48P8

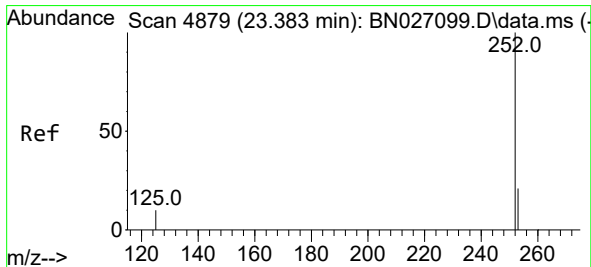
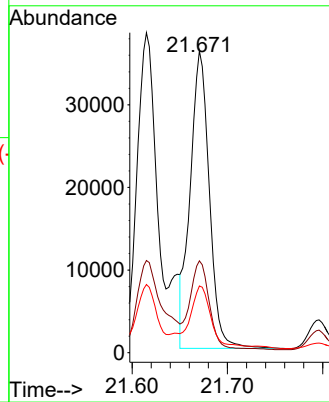
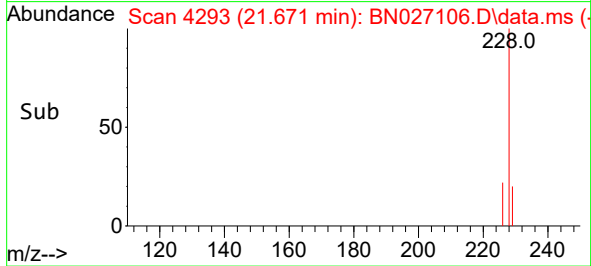
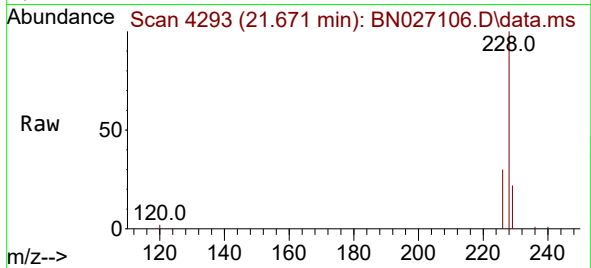
Tgt Ion:228 Resp: 50285

Ion Ratio Lower Upper

228 100

226 30.4 24.6 36.8

229 22.1 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 1.105 ng/ul

RT: 23.381 min Scan# 4878

Delta R.T. -0.006 min

Lab File: BN027106.D

Acq: 24 Aug 2023 20:29

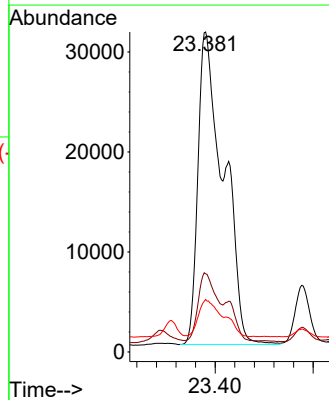
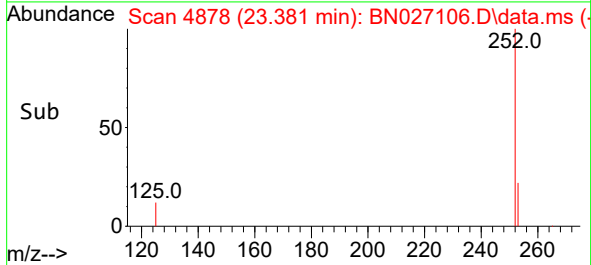
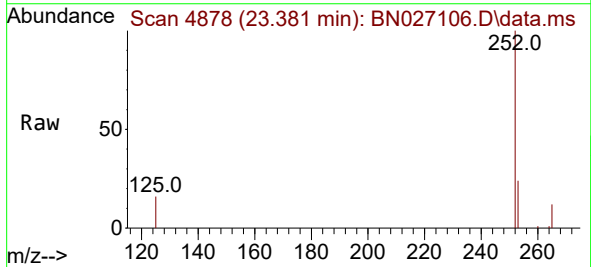
Tgt Ion:252 Resp: 113424

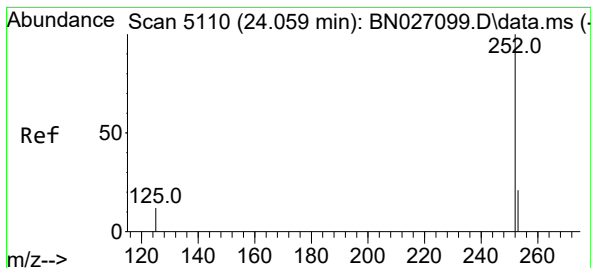
Ion Ratio Lower Upper

252 100

253 24.4 0.0 46.8

125 16.4 0.0 25.2





#26

Benzo(a)pyrene

Concen: 0.633 ng/ul

RT: 24.053 min Scan# 5110

Delta R.T. -0.009 min

Lab File: BN027106.D

Acq: 24 Aug 2023 20:29

Instrument :

BNA_N

ClientSampleId :

A48P8

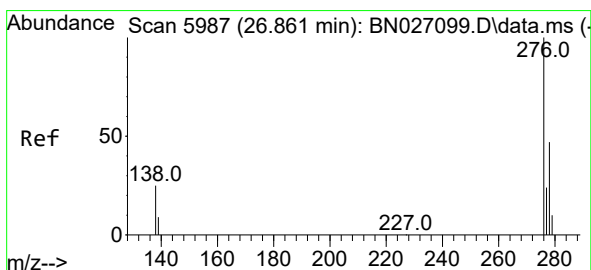
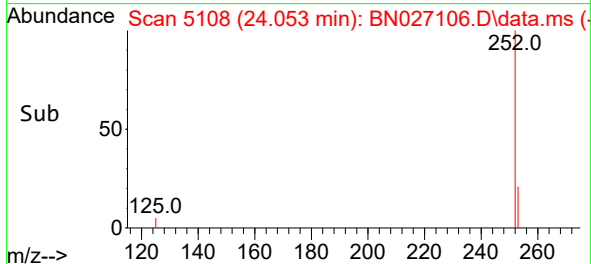
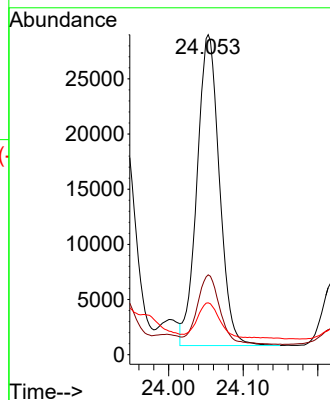
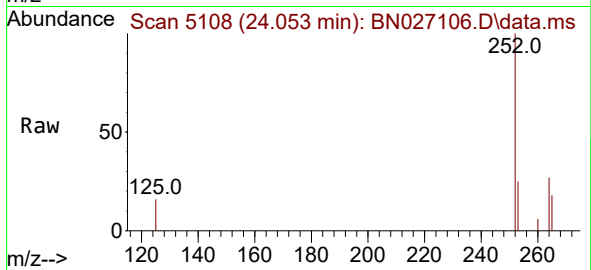
Tgt Ion:252 Resp: 58624

Ion Ratio Lower Upper

252 100

253 24.9 19.0 28.6

125 16.2 11.4 17.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.293 ng/ul

RT: 26.841 min Scan# 5981

Delta R.T. -0.013 min

Lab File: BN027106.D

Acq: 24 Aug 2023 20:29

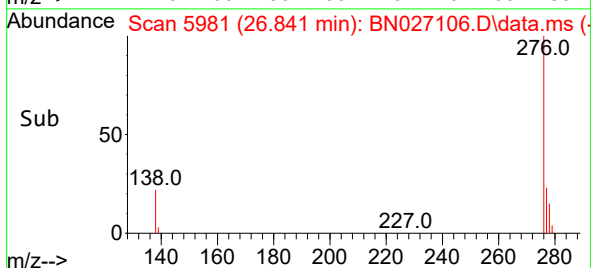
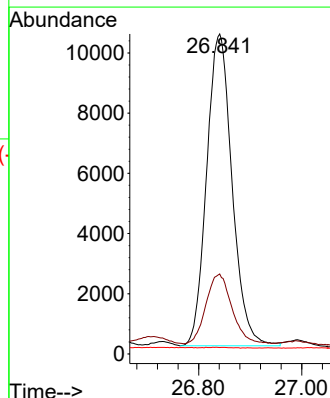
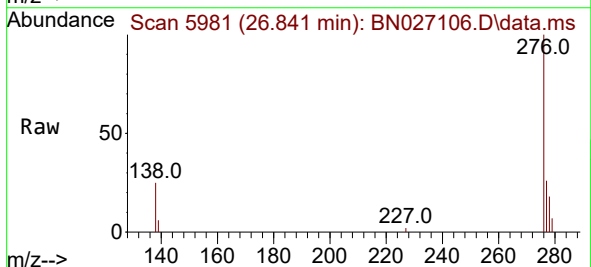
Tgt Ion:276 Resp: 35491

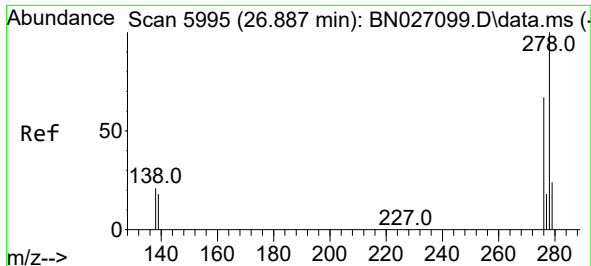
Ion Ratio Lower Upper

276 100

138 23.0 21.6 32.4

227 0.1 0.0 0.0#

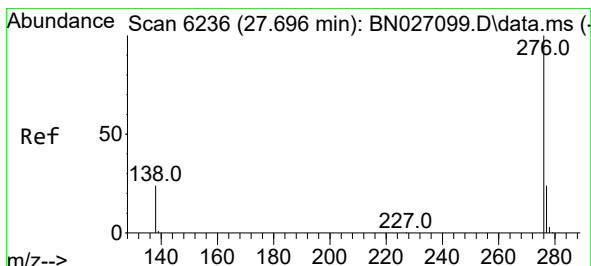
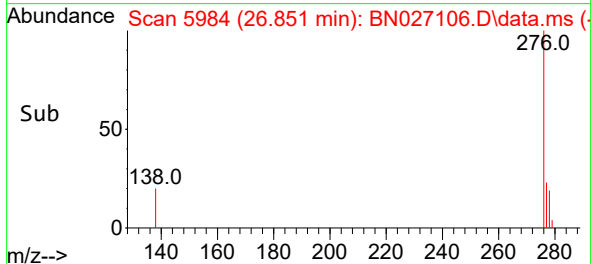
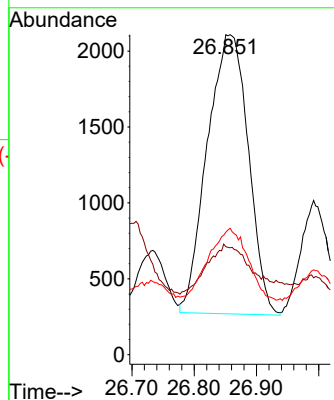
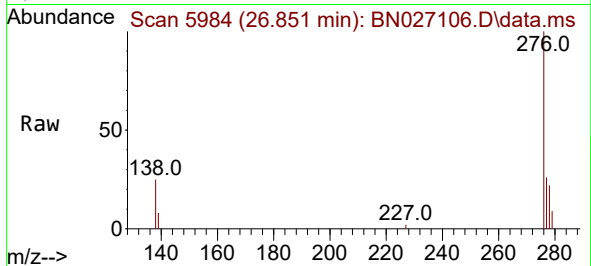




#28
 Dibenzo(a,h)anthracene
 Concen: 0.087 ng/ul
 RT: 26.851 min Scan# 5984
 Delta R.T. -0.034 min
 Lab File: BN027106.D
 Acq: 24 Aug 2023 20:29

Instrument :
 BNA_N
 ClientSampleId :
 A48P8

Tgt Ion: 278 Resp: 8423
 Ion Ratio Lower Upper
 278 100
 139 33.8 15.7 23.5#
 279 38.3 20.2 30.4#



#29
 Benzo(g,h,i)perylene
 Concen: 0.330 ng/ul
 RT: 27.683 min Scan# 6232
 Delta R.T. -0.013 min
 Lab File: BN027106.D
 Acq: 24 Aug 2023 20:29

Tgt Ion: 276 Resp: 33299
 Ion Ratio Lower Upper
 276 100
 138 26.0 19.3 28.9
 277 25.7 19.8 29.8

