

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062423\
 Data File : BN025996.D
 Acq On : 24 Jun 2023 08:58
 Operator : MA/JU
 Sample : 03085-16
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DCFQ2

Quant Time: Jun 24 23:48:14 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 22 01:27:41 2023
 Response via : Initial Calibration

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

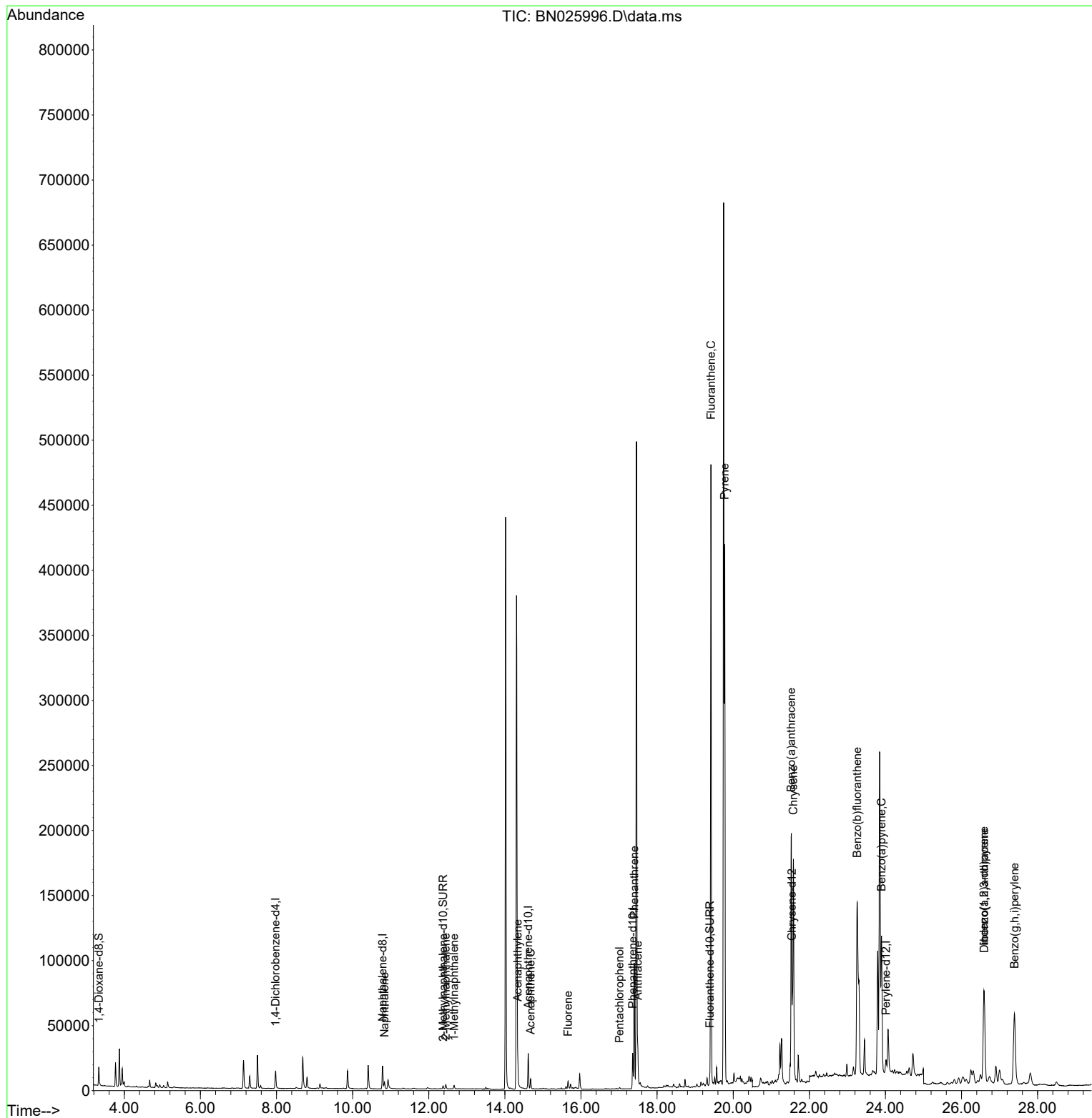
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	7919	0.400	ng/ul	0.00
4) Naphthalene-d8	10.787	136	25573	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.613	164	15380	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.360	188	33258	0.400	ng/ul	0.00
17) Chrysene-d12	21.541	240	20273	0.400	ng/ul	# 0.00
23) Perylene-d12	24.014	264	16687	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.331	96	9987	1.120	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.376	152	3322	0.084	ng/ul	0.00
18) Fluoranthene-d10	19.387	212	7455	0.097	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.836	128	7520	0.103	ng/ul	96
7) 2-Methylnaphthalene	12.447	142	2610	0.056	ng/ul	99
8) 1-Methylnaphthalene	12.667	142	1992	0.041	ng/ul	100
10) Acenaphthylene	14.335	152	24168	0.336	ng/ul	99
11) Acenaphthene	14.677	153	4768	0.081	ng/ul	98
12) Fluorene	15.663	166	4450	0.066	ng/ul#	97
14) Pentachlorophenol	17.014	266	708	0.059	ng/ul	98
15) Phenanthrene	17.398	178	106056	0.965	ng/ul	99
16) Anthracene	17.491	178	25780	0.264	ng/ul	98
19) Fluoranthene	19.415	202	407248	3.761	ng/ul	97
20) Pyrene	19.778	202	347928	3.089	ng/ul	96
21) Benzo(a)anthracene	21.524	228	173422	2.074	ng/ul	98
22) Chrysene	21.582	228	186167	2.139	ng/ul#	95
24) Benzo(b)fluoranthene	23.257	252	356539	5.006	ng/ul	92
26) Benzo(a)pyrene	23.897	252	157542	2.547	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	26.589	276	129574	1.918	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.599	278	30314	0.593	ng/ul	95
29) Benzo(g,h,i)perylene	27.390	276	131654	2.190	ng/ul	96

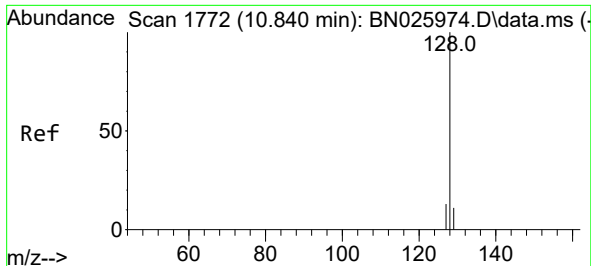
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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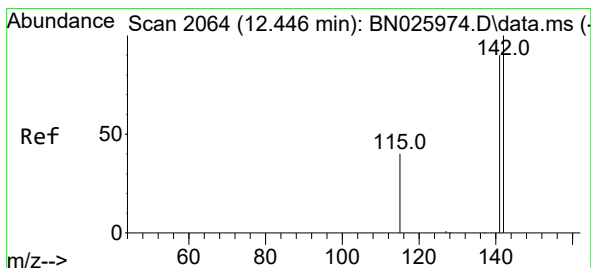
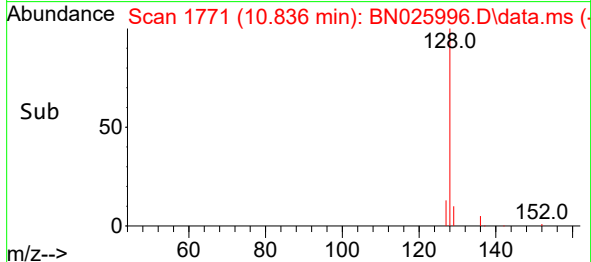
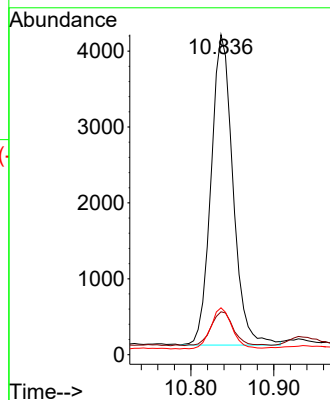
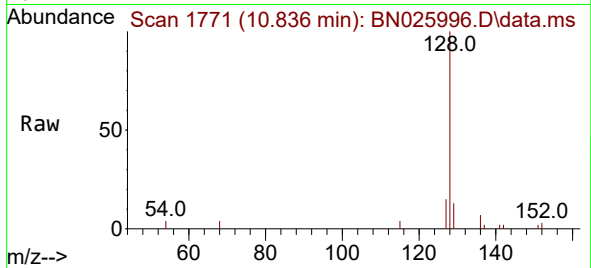




#5
Naphthalene
Concen: 0.103 ng/ul
RT: 10.836 min Scan# 1771
Delta R.T. -0.011 min
Lab File: BN025996.D
Acq: 24 Jun 2023 08:58

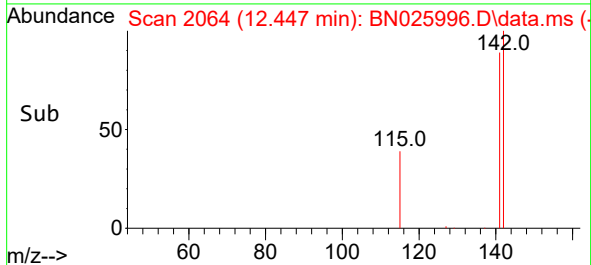
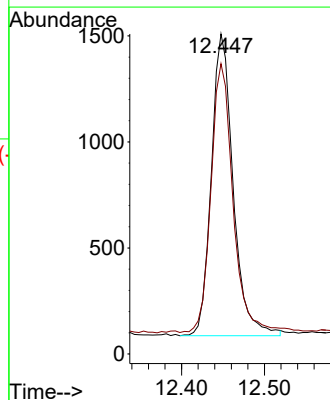
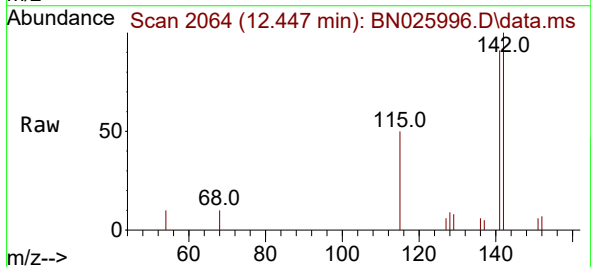
Instrument :
BNA_N
ClientSampleId :
DCFQ2

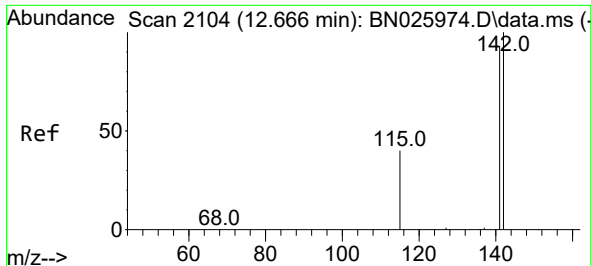
Tgt Ion:128 Resp: 7520
Ion Ratio Lower Upper
128 100
129 13.4 9.1 13.7
127 14.7 10.7 16.1



#7
2-Methylnaphthalene
Concen: 0.056 ng/ul
RT: 12.447 min Scan# 2064
Delta R.T. -0.006 min
Lab File: BN025996.D
Acq: 24 Jun 2023 08:58

Tgt Ion:142 Resp: 2610
Ion Ratio Lower Upper
142 100
141 89.3 71.9 107.9

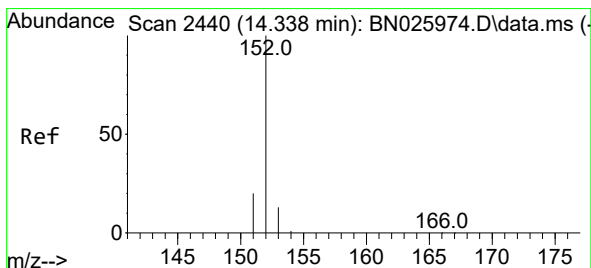
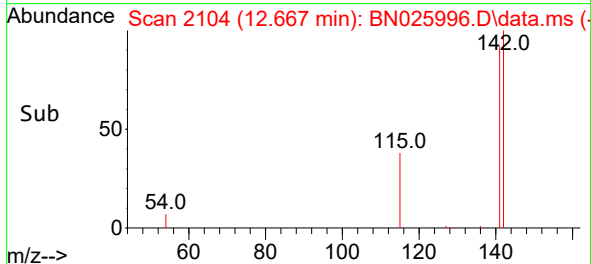
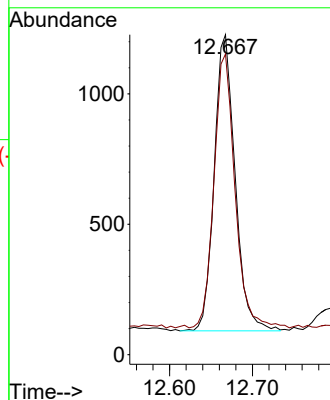
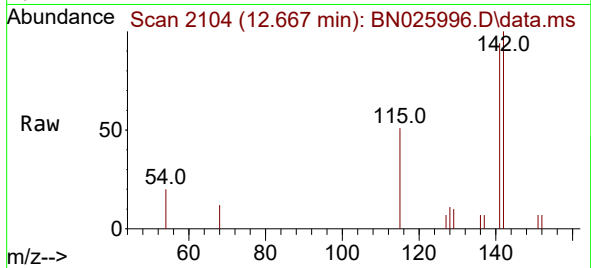




#8
1-Methylnaphthalene
Concen: 0.041 ng/ul
RT: 12.667 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BN025996.D
Acq: 24 Jun 2023 08:58

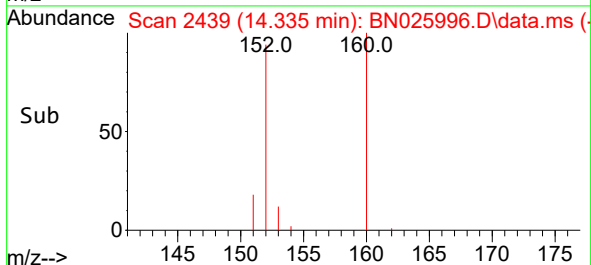
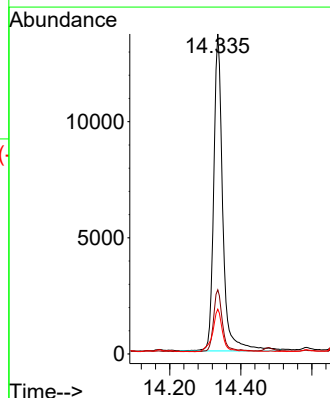
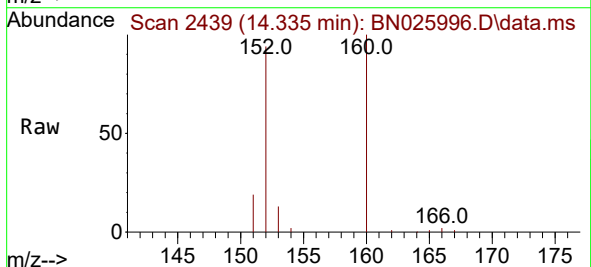
Instrument :
BNA_N
ClientSampleId :
DCFQ2

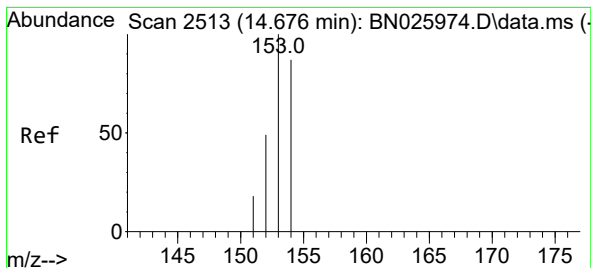
Tgt Ion:142 Resp: 1992
Ion Ratio Lower Upper
142 100
141 92.8 74.2 111.4



#10
Acenaphthylene
Concen: 0.336 ng/ul
RT: 14.335 min Scan# 2439
Delta R.T. -0.008 min
Lab File: BN025996.D
Acq: 24 Jun 2023 08:58

Tgt Ion:152 Resp: 24168
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.4
153 14.0 10.9 16.3





#11

Acenaphthene

Concen: 0.081 ng/ul

RT: 14.677 min Scan# 2513

Delta R.T. -0.004 min

Lab File: BN025996.D

Acq: 24 Jun 2023 08:58

Instrument :

BNA_N

ClientSampleId :

DCFQ2

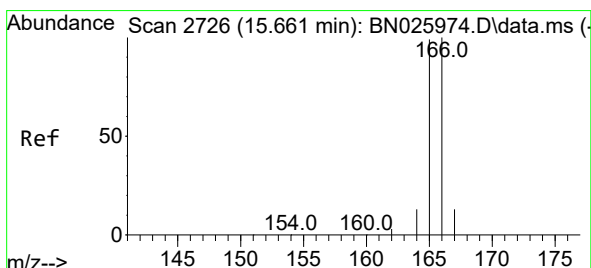
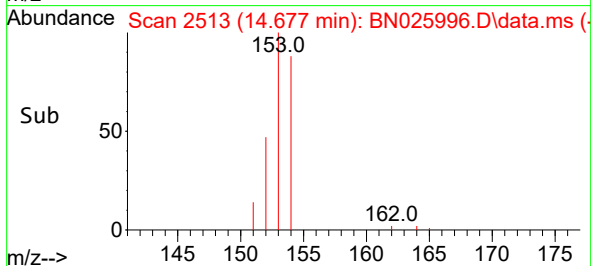
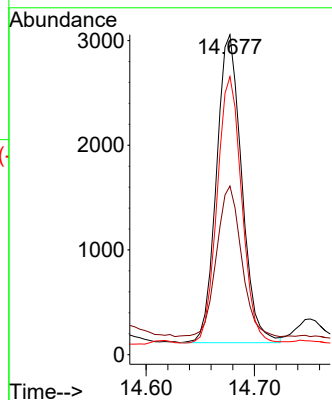
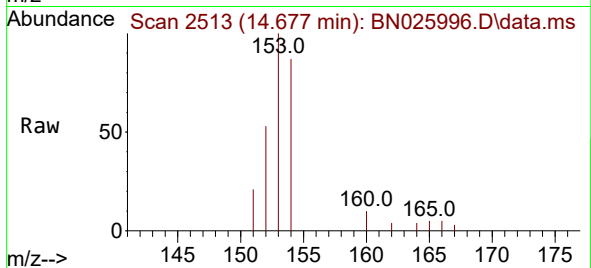
Tgt Ion:153 Resp: 4768

Ion Ratio Lower Upper

153 100

152 52.7 39.4 59.0

154 86.9 68.9 103.3



#12

Fluorene

Concen: 0.066 ng/ul

RT: 15.663 min Scan# 2726

Delta R.T. -0.004 min

Lab File: BN025996.D

Acq: 24 Jun 2023 08:58

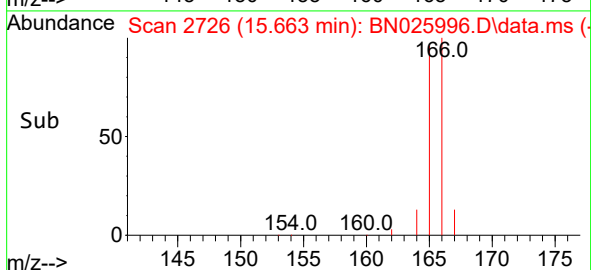
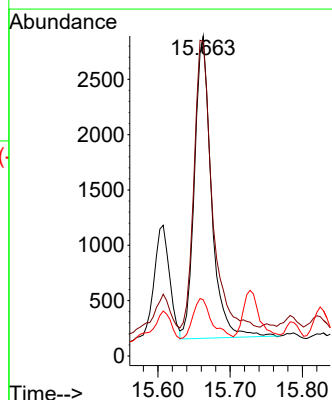
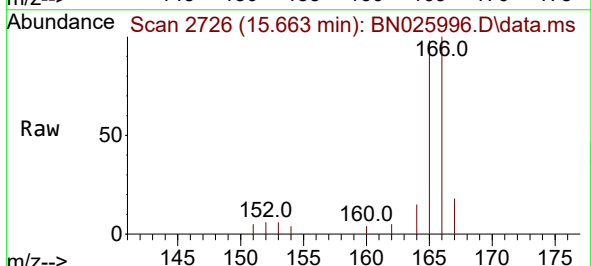
Tgt Ion:166 Resp: 4450

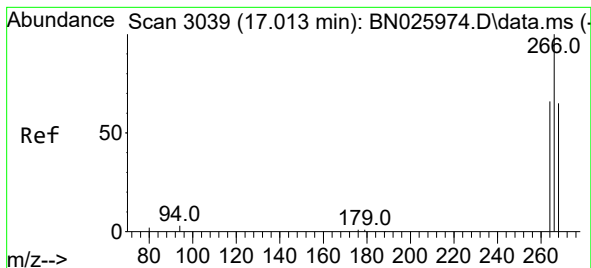
Ion Ratio Lower Upper

166 100

165 98.3 79.9 119.9

167 17.5 10.8 16.2#





#14

Pentachlorophenol

Concen: 0.059 ng/ul

RT: 17.014 min Scan# 3039

Delta R.T. -0.003 min

Lab File: BN025996.D

Acq: 24 Jun 2023 08:58

Instrument :

BNA_N

ClientSampleId :

DCFQ2

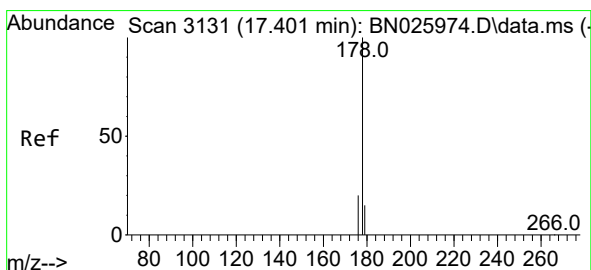
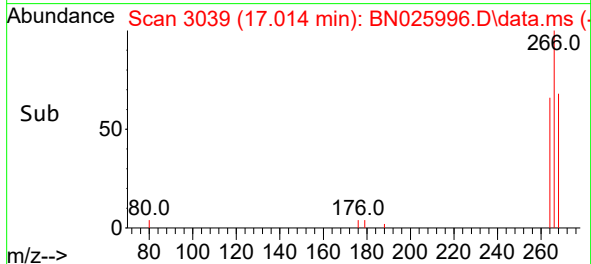
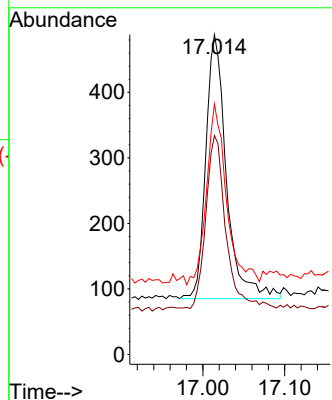
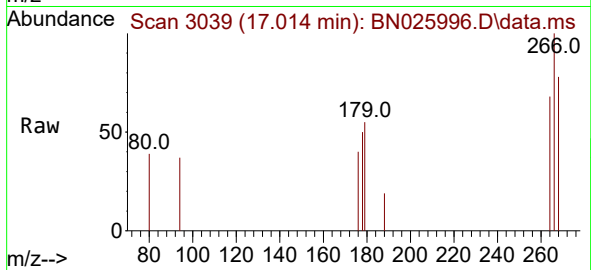
Tgt Ion:266 Resp: 708

Ion Ratio Lower Upper

266 100

264 62.1 50.5 75.7

268 66.5 51.6 77.4



#15

Phenanthrene

Concen: 0.965 ng/ul

RT: 17.398 min Scan# 3130

Delta R.T. -0.008 min

Lab File: BN025996.D

Acq: 24 Jun 2023 08:58

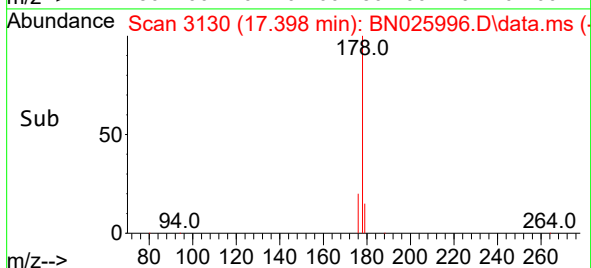
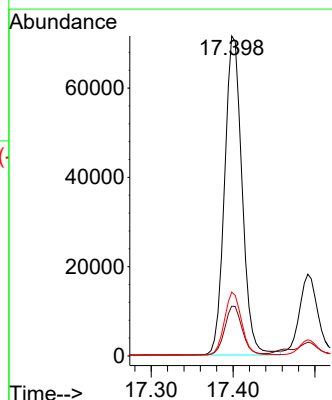
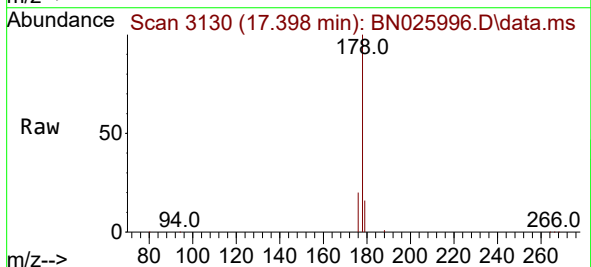
Tgt Ion:178 Resp: 106056

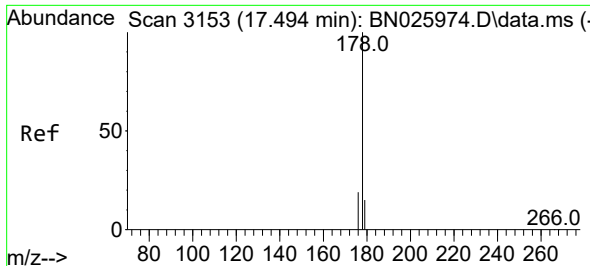
Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

176 19.9 15.8 23.6

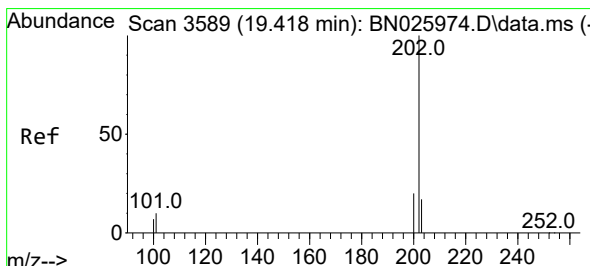
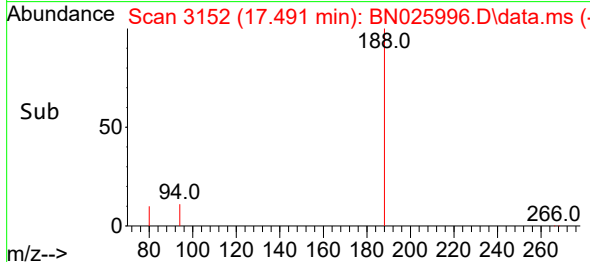
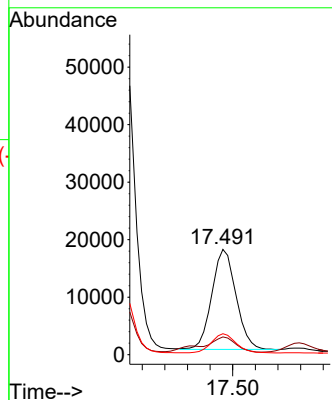
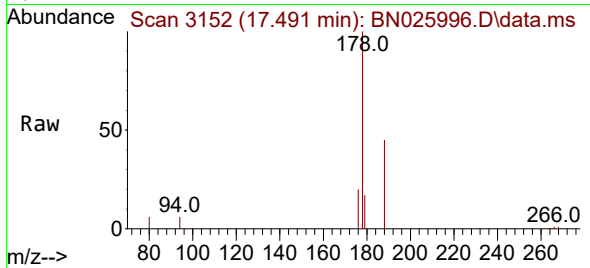




#16
 Anthracene
 Concen: 0.264 ng/ul
 RT: 17.491 min Scan# 3153
 Delta R.T. -0.008 min
 Lab File: BN025996.D
 Acq: 24 Jun 2023 08:58

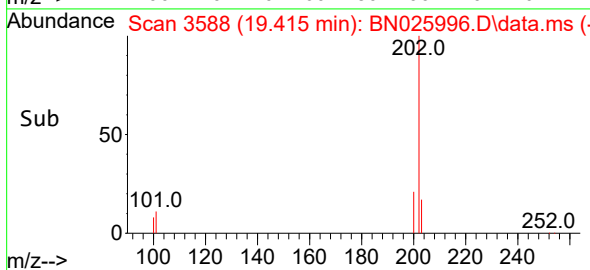
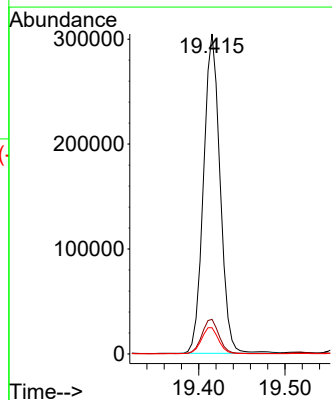
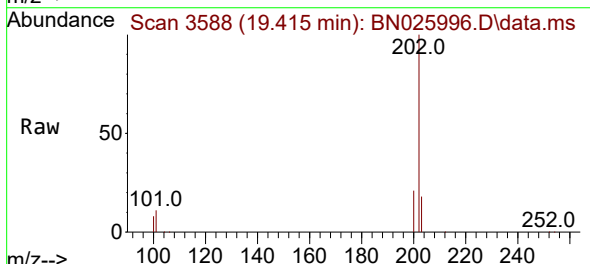
Instrument :
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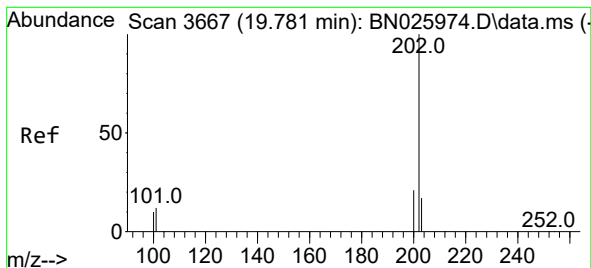
Tgt Ion:178 Resp: 25780
 Ion Ratio Lower Upper
 178 100
 179 16.8 12.6 18.8
 176 19.8 15.1 22.7



#19
 Fluoranthene
 Concen: 3.761 ng/ul
 RT: 19.415 min Scan# 3588
 Delta R.T. -0.004 min
 Lab File: BN025996.D
 Acq: 24 Jun 2023 08:58

Tgt Ion:202 Resp: 407248
 Ion Ratio Lower Upper
 202 100
 101 10.8 9.5 14.3
 100 8.2 7.3 10.9





#20

Pyrene

Concen: 3.089 ng/ul

RT: 19.778 min Scan# 3666

Delta R.T. -0.004 min

Lab File: BN025996.D

Acq: 24 Jun 2023 08:58

Instrument :

BNA_N

ClientSampleId :

DCFQ2

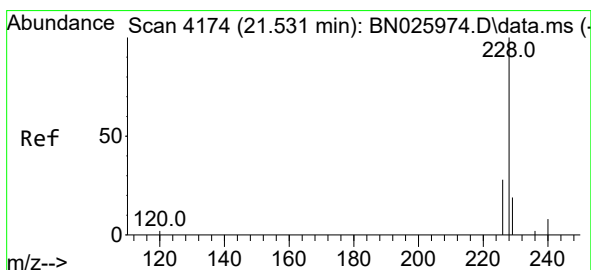
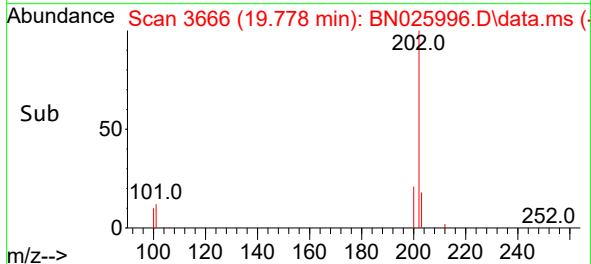
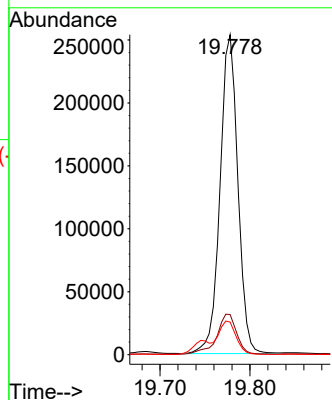
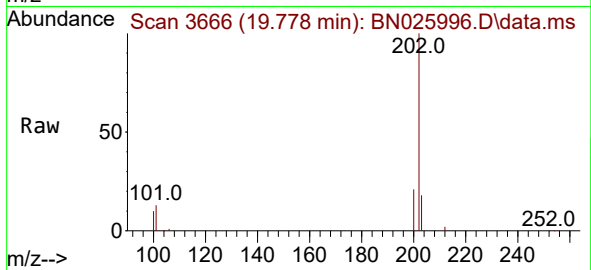
Tgt Ion:202 Resp: 347928

Ion Ratio Lower Upper

202 100

101 12.5 11.4 17.0

100 10.2 9.1 13.7



#21

Benzo(a)anthracene

Concen: 2.074 ng/ul

RT: 21.524 min Scan# 4171

Delta R.T. -0.008 min

Lab File: BN025996.D

Acq: 24 Jun 2023 08:58

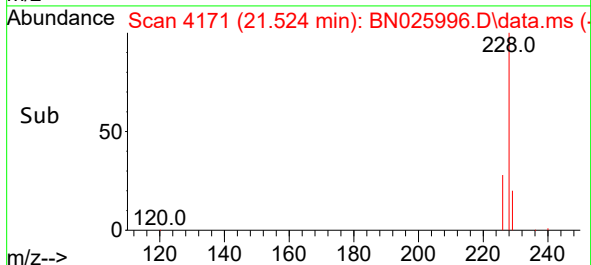
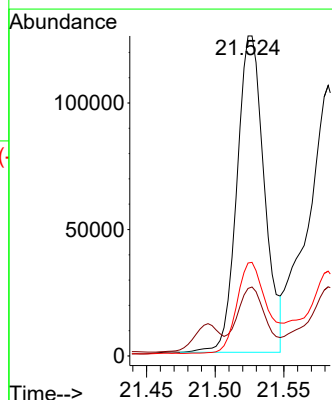
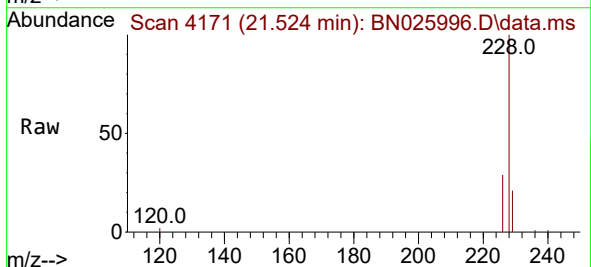
Tgt Ion:228 Resp: 173422

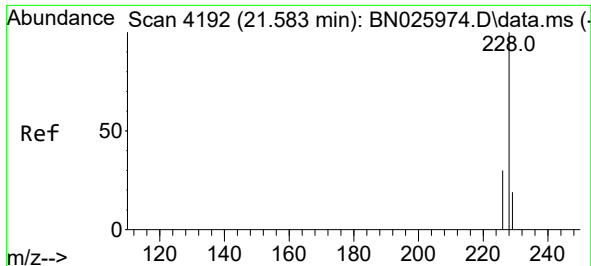
Ion Ratio Lower Upper

228 100

229 21.1 15.8 23.6

226 29.0 22.5 33.7





#22

Chrysene

Concen: 2.139 ng/ul

RT: 21.582 min Scan# 4192

Delta R.T. -0.002 min

Lab File: BN025996.D

Acq: 24 Jun 2023 08:58

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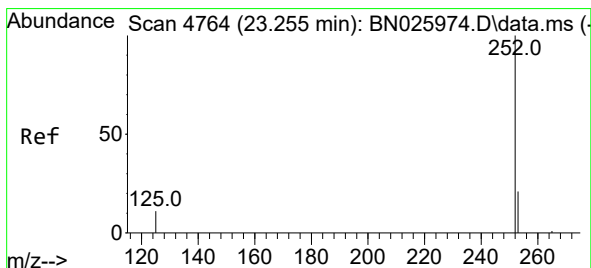
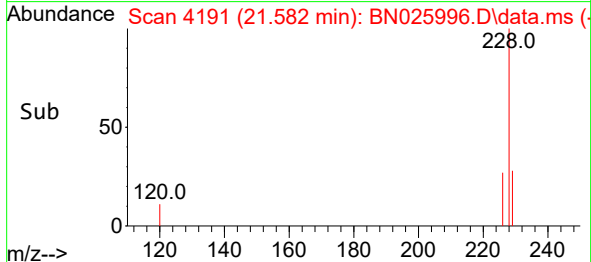
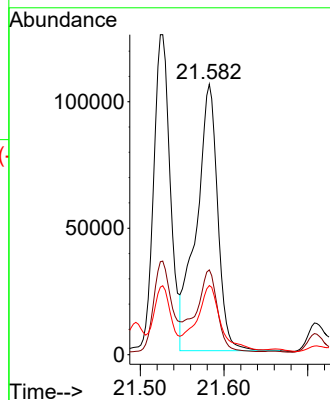
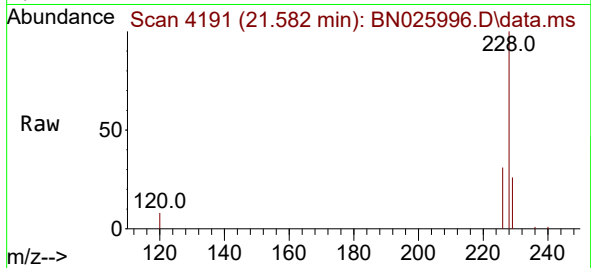
Tgt Ion:228 Resp: 186167

Ion Ratio Lower Upper

228 100

226 31.3 24.8 37.2

229 25.5 15.7 23.5#



#24

Benzo(b)fluoranthene

Concen: 5.006 ng/ul

RT: 23.257 min Scan# 4764

Delta R.T. 0.001 min

Lab File: BN025996.D

Acq: 24 Jun 2023 08:58

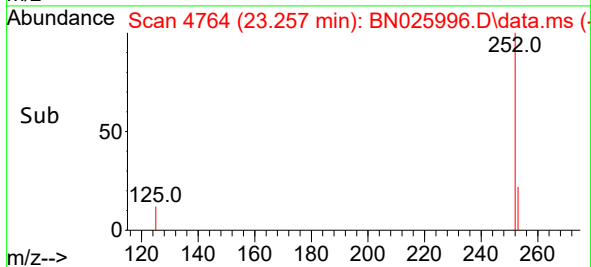
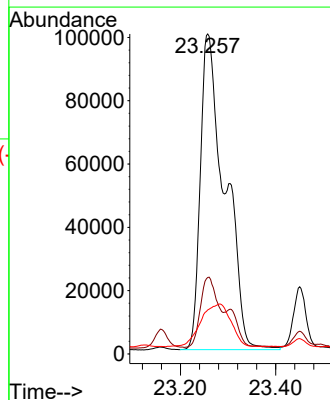
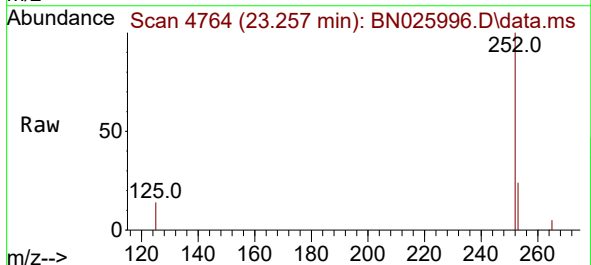
Tgt Ion:252 Resp: 356539

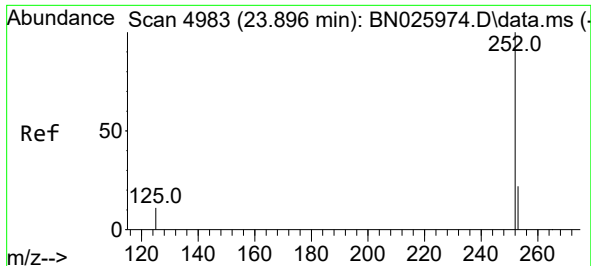
Ion Ratio Lower Upper

252 100

253 23.9 0.0 55.6

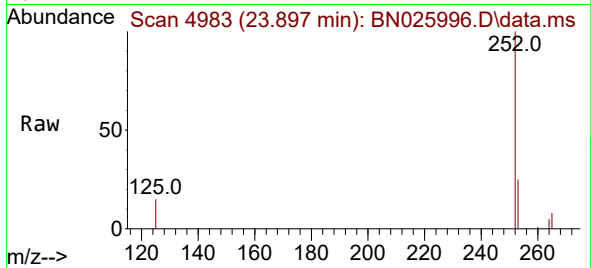
125 13.8 0.0 35.8



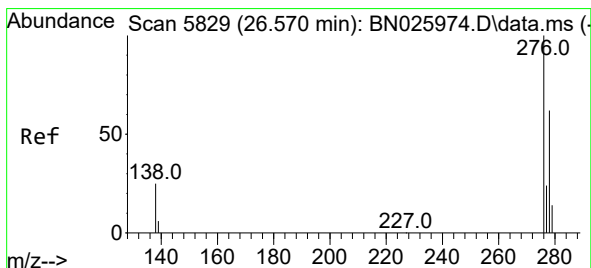
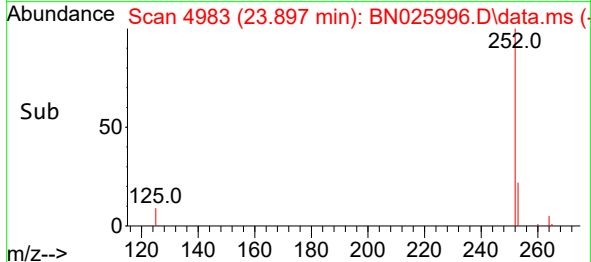
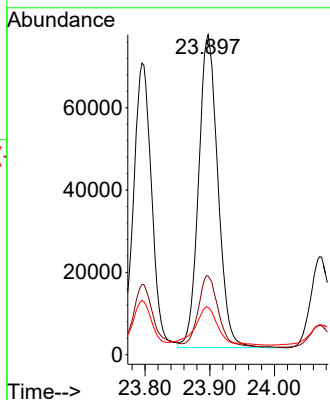


#26
Benzo(a)pyrene
Concen: 2.547 ng/ul
RT: 23.897 min Scan# 4983
Delta R.T. -0.011 min
Lab File: BN025996.D
Acq: 24 Jun 2023 08:58

Instrument :
BNA_N
ClientSampleId :
DCFQ2

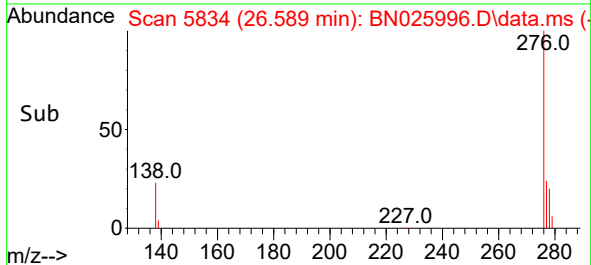
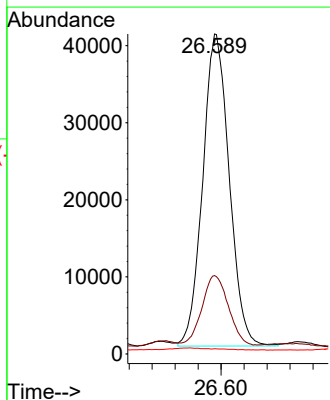
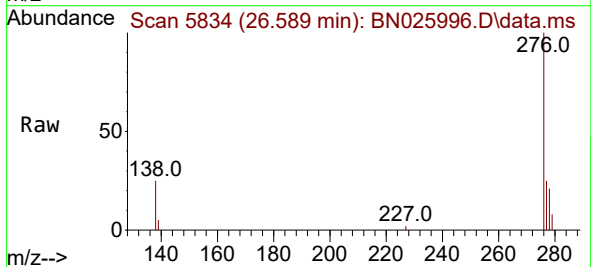


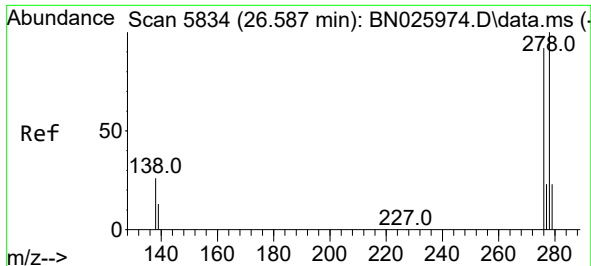
Tgt Ion:252 Resp: 157542
Ion Ratio Lower Upper
252 100
253 24.6 26.0 39.0#
125 14.7 17.3 25.9#



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.918 ng/ul
RT: 26.589 min Scan# 5834
Delta R.T. -0.006 min
Lab File: BN025996.D
Acq: 24 Jun 2023 08:58

Tgt Ion:276 Resp: 129574
Ion Ratio Lower Upper
276 100
138 24.0 24.5 36.7#
227 0.0 0.0 0.0

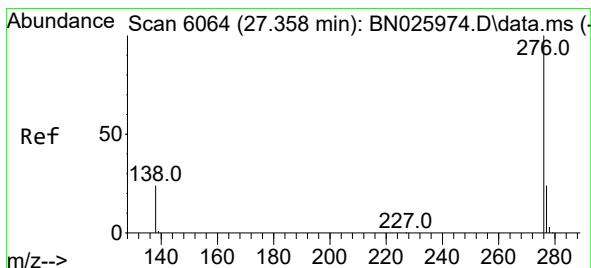
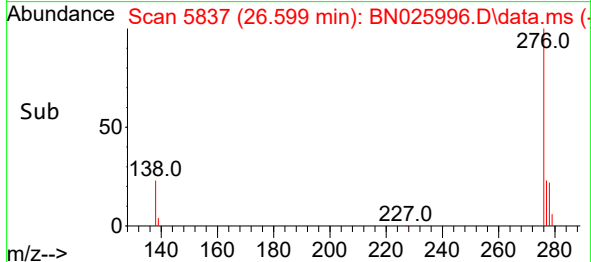
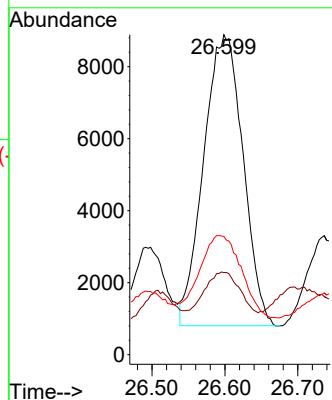
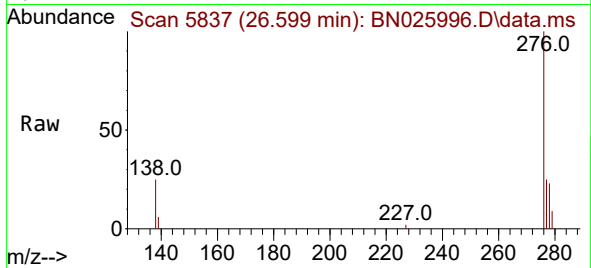




#28
Dibenzo(a,h)anthracene
Concen: 0.593 ng/ul
RT: 26.599 min Scan# 51
Delta R.T. -0.023 min
Lab File: BN025996.D
Acq: 24 Jun 2023 08:58

Instrument :
BNA_N
ClientSampleId :
DCFQ2

Tgt Ion:278 Resp: 30314
Ion Ratio Lower Upper
278 100
139 25.6 19.0 28.4
279 37.0 26.7 40.1



#29
Benzo(g,h,i)perylene
Concen: 2.190 ng/ul
RT: 27.390 min Scan# 6073
Delta R.T. 0.004 min
Lab File: BN025996.D
Acq: 24 Jun 2023 08:58

Tgt Ion:276 Resp: 131654
Ion Ratio Lower Upper
276 100
138 25.3 23.4 35.0
277 24.9 20.0 30.0

