

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
 Data File : BN027031.D
 Acq On : 22 Aug 2023 17:46
 Operator : MA/JU
 Sample : 03697-22DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A48N1DL

Quant Time: Aug 23 01:43:34 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)

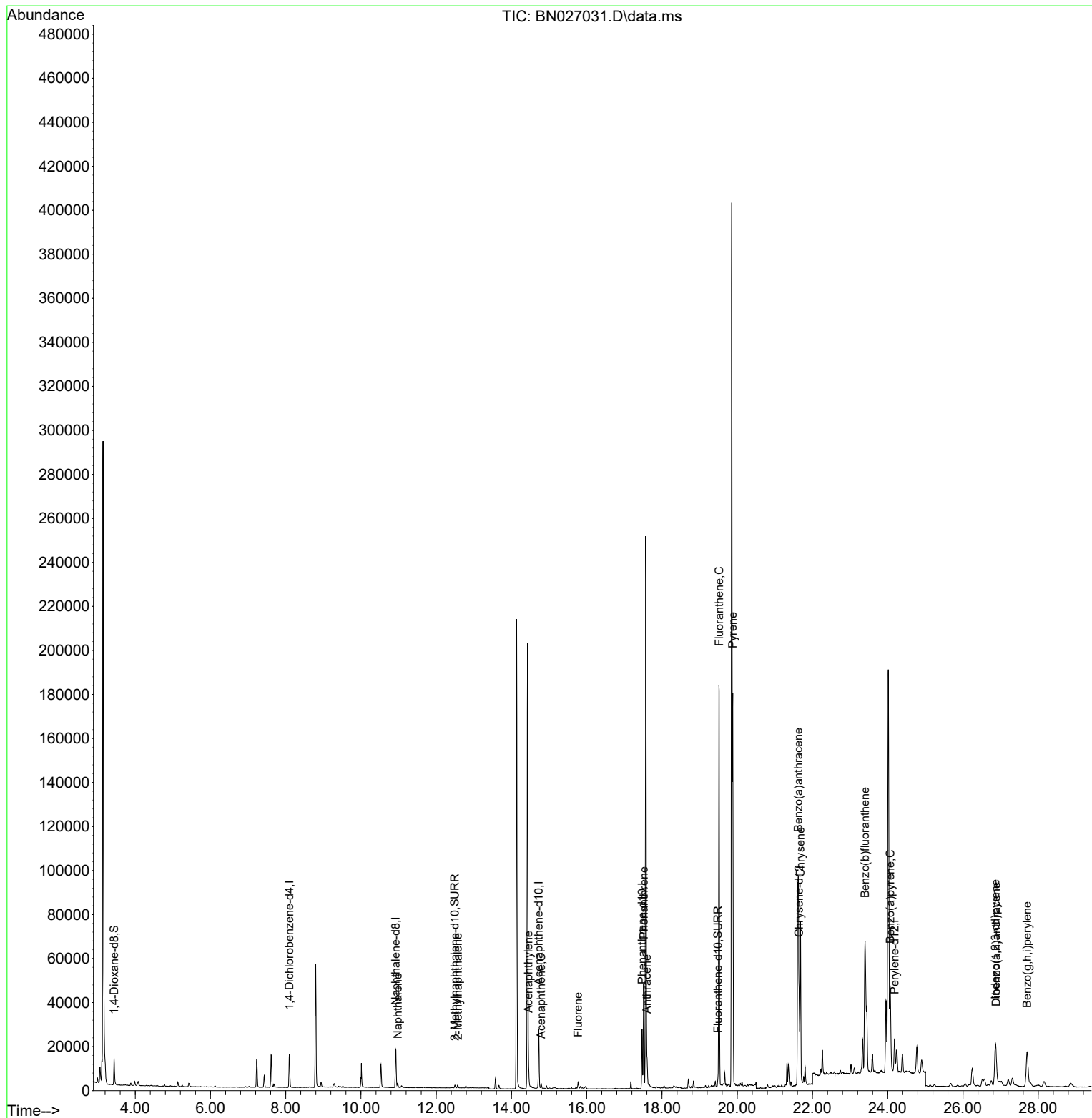
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.097	152	7568	0.400	ng/ul	0.00
4) Naphthalene-d8	10.922	136	24905	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.726	164	14492	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.472	188	31709	0.400	ng/ul	0.00
17) Chrysene-d12	21.641	240	25833	0.400	ng/ul	# 0.00
23) Perylene-d12	24.184	264	22071	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	8500	0.946	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.495	152	1798	0.049	ng/ul	0.00
18) Fluoranthene-d10	19.487	212	4008	0.049	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.977	128	2722	0.039	ng/ul#	89
7) 2-Methylnaphthalene	12.572	142	990	0.023	ng/ul	99
10) Acenaphthylene	14.453	152	8348	0.103	ng/ul	98
11) Acenaphthene	14.786	153	1263	0.022	ng/ul#	92
12) Fluorene	15.772	166	1906	0.030	ng/ul#	97
15) Phenanthrene	17.514	178	50889	0.489	ng/ul	100
16) Anthracene	17.603	178	11039	0.117	ng/ul	97
19) Fluoranthene	19.520	202	158962	1.481	ng/ul	99
20) Pyrene	19.882	202	148308	1.295	ng/ul	98
21) Benzo(a)anthracene	21.624	228	68650	0.668	ng/ul	99
22) Chrysene	21.679	228	77547	0.765	ng/ul	99
24) Benzo(b)fluoranthene	23.395	252	140362	1.681	ng/ul#	85
26) Benzo(a)pyrene	24.067	252	58978	0.783	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.864	276	39890	0.405	ng/ul#	91
28) Dibenzo(a,h)anthracene	26.881	278	8654	0.110	ng/ul#	68
29) Benzo(g,h,i)perylene	27.706	276	39131	0.477	ng/ul	98

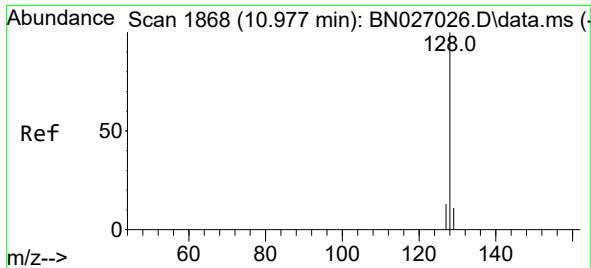
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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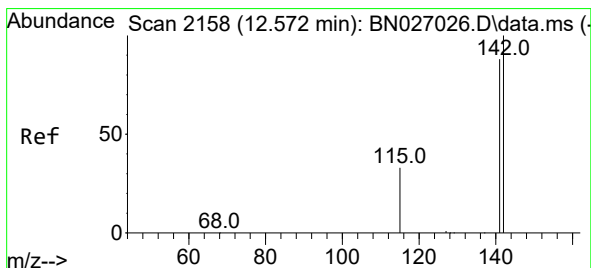
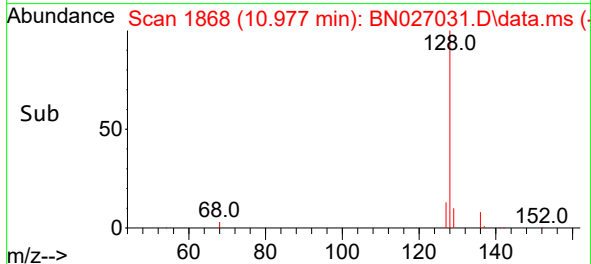
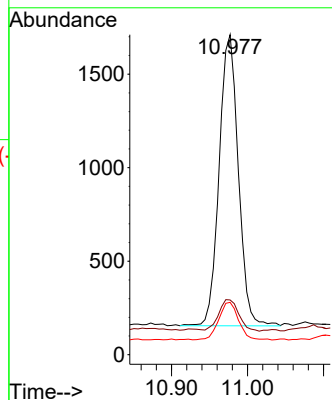
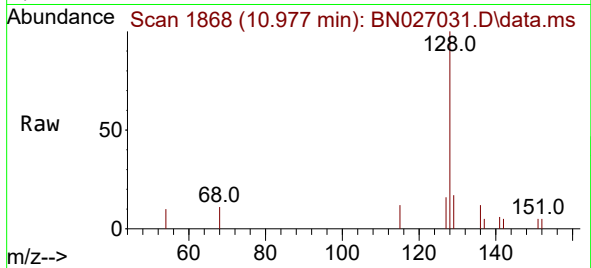




#5
Naphthalene
Concen: 0.039 ng/ul
RT: 10.977 min Scan# 1868
Delta R.T. -0.005 min
Lab File: BN027031.D
Acq: 22 Aug 2023 17:46

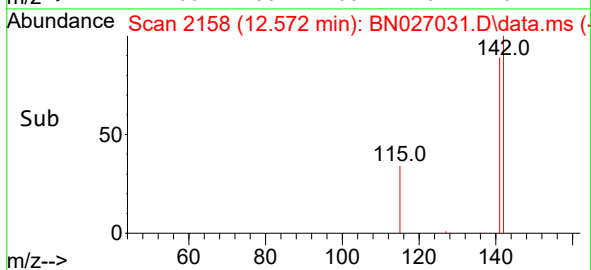
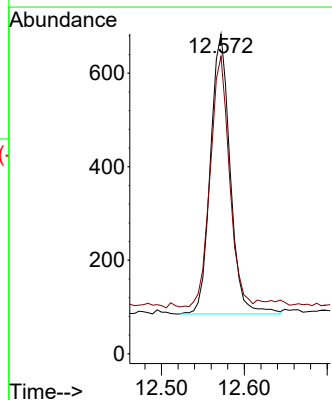
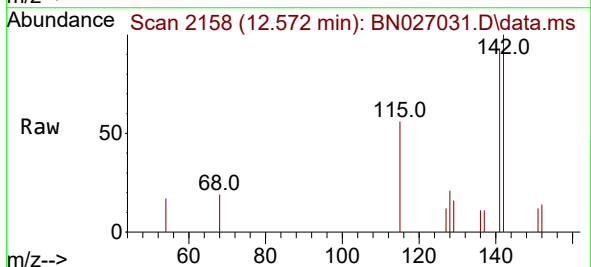
Instrument :
BNA_N
ClientSampleId :
A48N1DL

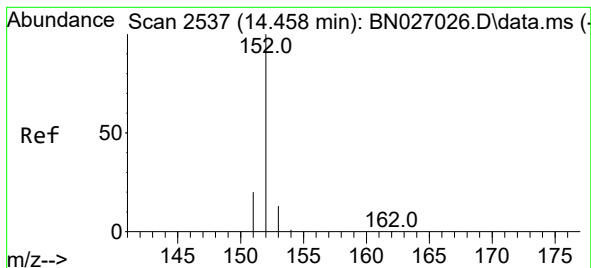
Tgt Ion:128 Resp: 2722
Ion Ratio Lower Upper
128 100
129 17.1 9.2 13.8#
127 16.4 10.5 15.7#



#7
2-Methylnaphthalene
Concen: 0.023 ng/ul
RT: 12.572 min Scan# 2158
Delta R.T. -0.005 min
Lab File: BN027031.D
Acq: 22 Aug 2023 17:46

Tgt Ion:142 Resp: 990
Ion Ratio Lower Upper
142 100
141 90.0 70.9 106.3





#10

Acenaphthylene

Concen: 0.103 ng/ul

RT: 14.453 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN027031.D

Acq: 22 Aug 2023 17:46

Instrument :

BNA_N

ClientSampleId :

A48N1DL

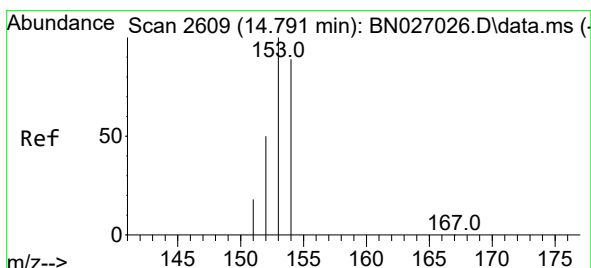
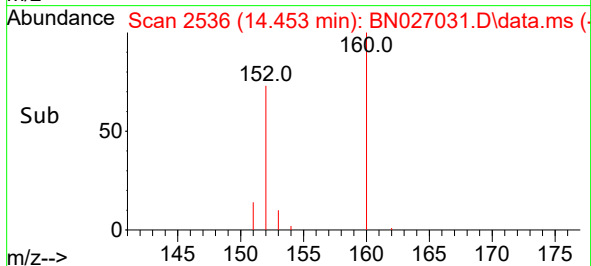
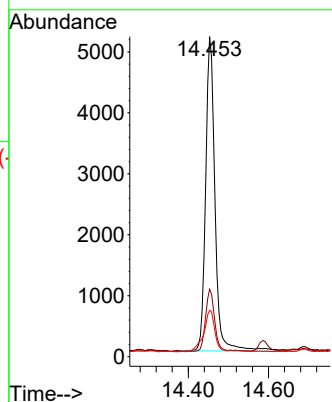
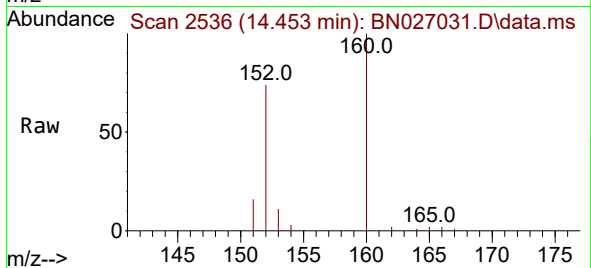
Tgt Ion:152 Resp: 8348

Ion Ratio Lower Upper

152 100

151 21.1 15.9 23.9

153 14.5 11.0 16.6



#11

Acenaphthene

Concen: 0.022 ng/ul

RT: 14.786 min Scan# 2608

Delta R.T. -0.005 min

Lab File: BN027031.D

Acq: 22 Aug 2023 17:46

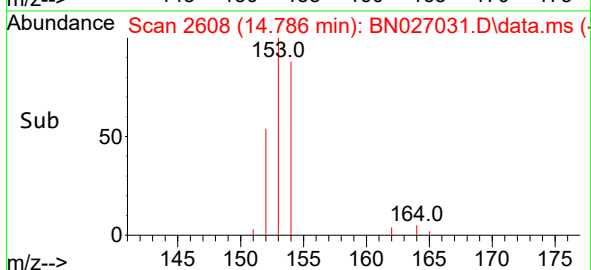
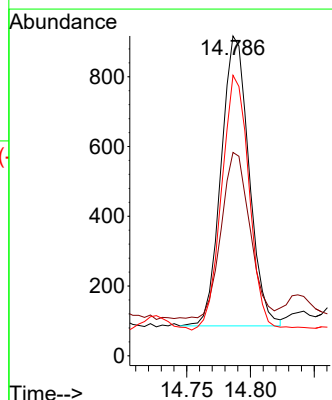
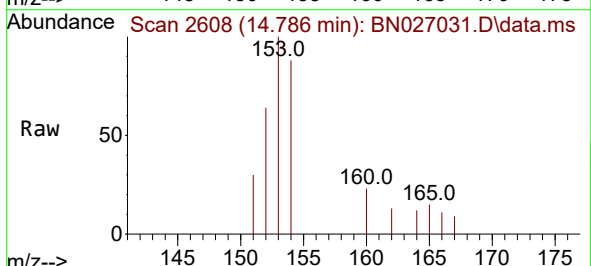
Tgt Ion:153 Resp: 1263

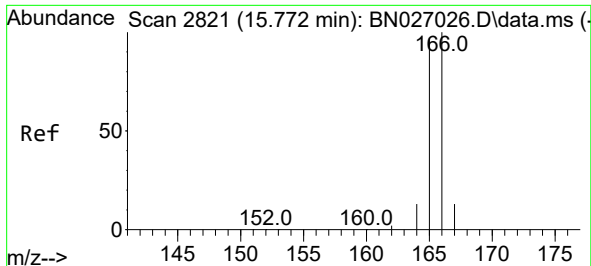
Ion Ratio Lower Upper

153 100

152 63.6 41.1 61.7#

154 87.7 71.6 107.4

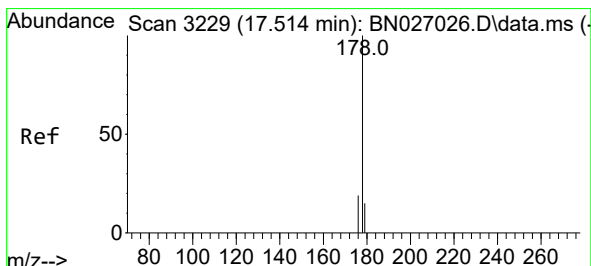
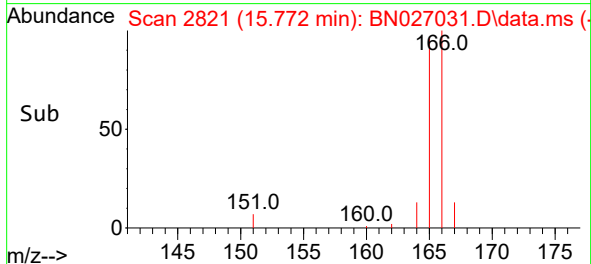
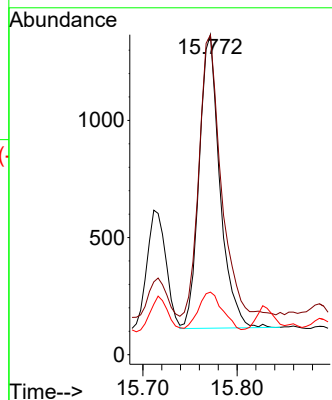
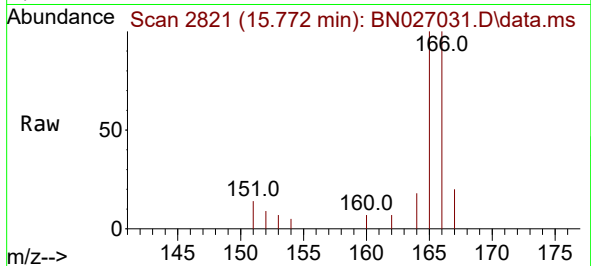




#12
Fluorene
Concen: 0.030 ng/ul
RT: 15.772 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BN027031.D
Acq: 22 Aug 2023 17:46

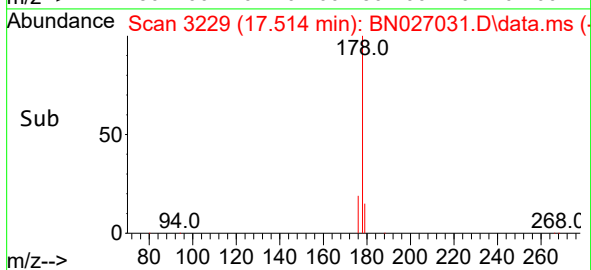
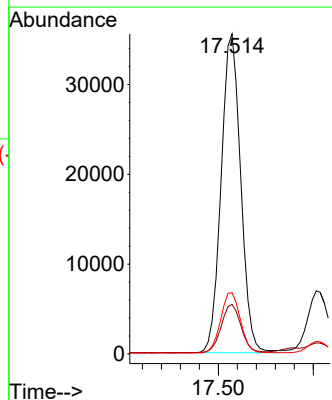
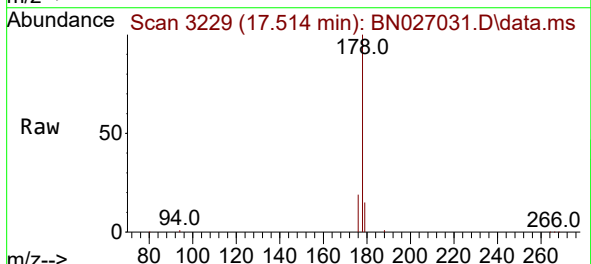
Instrument :
BNA_N
ClientSampleId :
A48N1DL

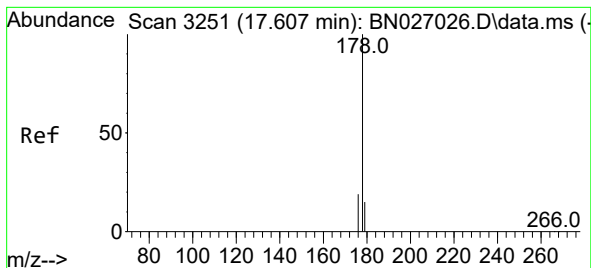
Tgt Ion:166 Resp: 1906
Ion Ratio Lower Upper
166 100
165 99.9 79.1 118.7
167 19.5 11.4 17.0#



#15
Phenanthrene
Concen: 0.489 ng/ul
RT: 17.514 min Scan# 3229
Delta R.T. -0.005 min
Lab File: BN027031.D
Acq: 22 Aug 2023 17:46

Tgt Ion:178 Resp: 50889
Ion Ratio Lower Upper
178 100
179 15.5 12.6 18.8
176 19.1 15.4 23.2





#16

Anthracene

Concen: 0.117 ng/ul

RT: 17.603 min Scan# 31

Delta R.T. -0.005 min

Lab File: BN027031.D

Acq: 22 Aug 2023 17:46

Instrument :

BNA_N

ClientSampleId :

A48N1DL

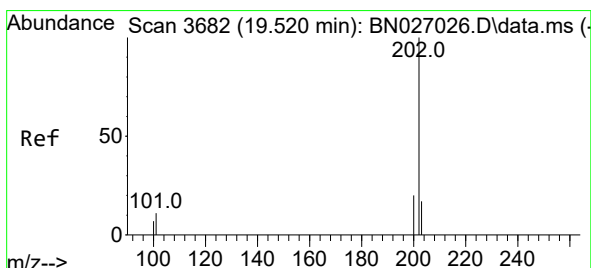
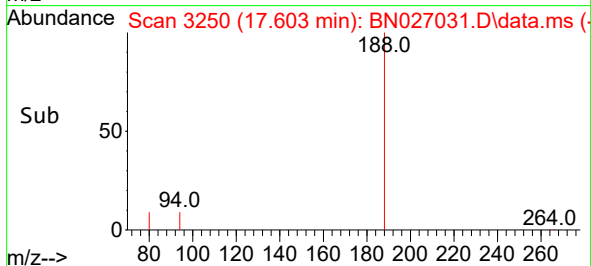
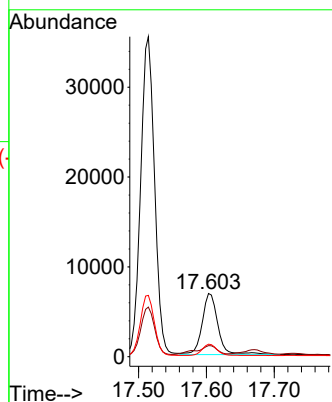
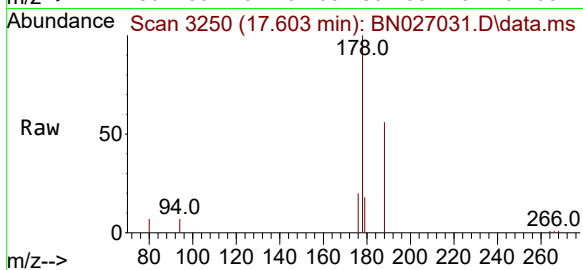
Tgt Ion:178 Resp: 11039

Ion Ratio Lower Upper

178 100

179 17.5 12.6 19.0

176 19.9 15.0 22.6



#19

Fluoranthene

Concen: 1.481 ng/ul

RT: 19.520 min Scan# 3682

Delta R.T. -0.005 min

Lab File: BN027031.D

Acq: 22 Aug 2023 17:46

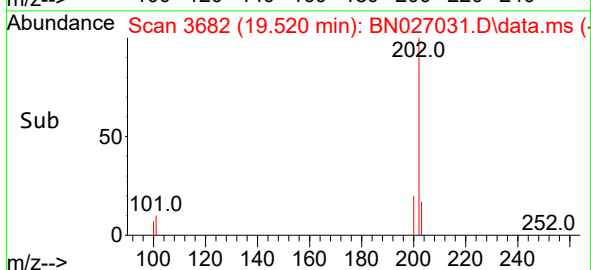
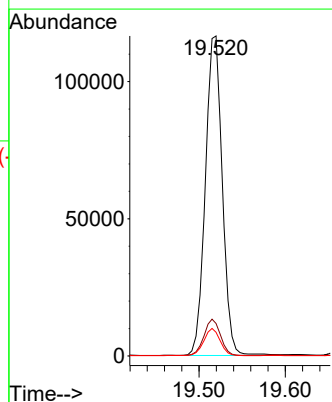
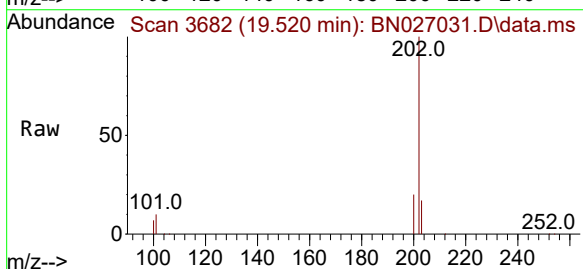
Tgt Ion:202 Resp: 158962

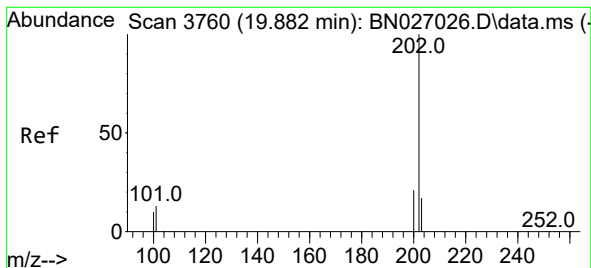
Ion Ratio Lower Upper

202 100

101 10.2 8.3 12.5

100 7.4 6.2 9.2





#20

Pyrene

Concen: 1.295 ng/ul

RT: 19.882 min Scan# 31

Delta R.T. -0.005 min

Lab File: BN027031.D

Acq: 22 Aug 2023 17:46

Instrument :

BNA_N

ClientSampleId :

A48N1DL

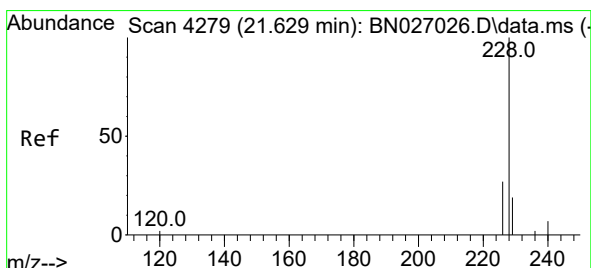
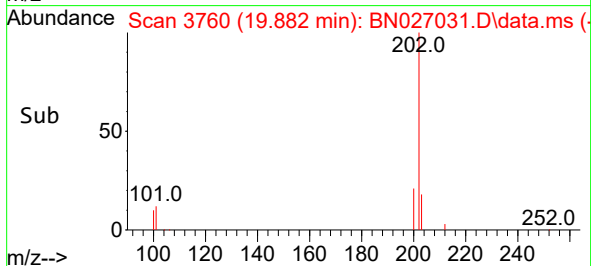
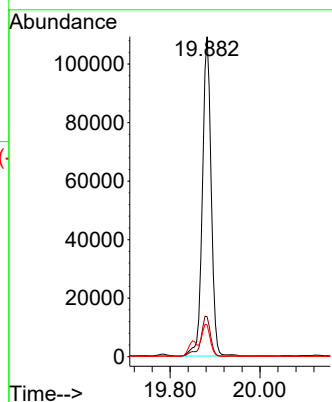
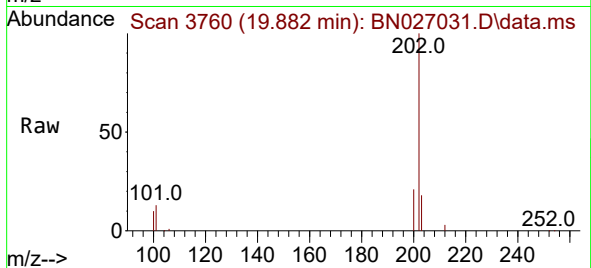
Tgt Ion:202 Resp: 148308

Ion Ratio Lower Upper

202 100

101 12.5 10.7 16.1

100 9.9 8.5 12.7



#21

Benzo(a)anthracene

Concen: 0.668 ng/ul

RT: 21.624 min Scan# 4277

Delta R.T. -0.009 min

Lab File: BN027031.D

Acq: 22 Aug 2023 17:46

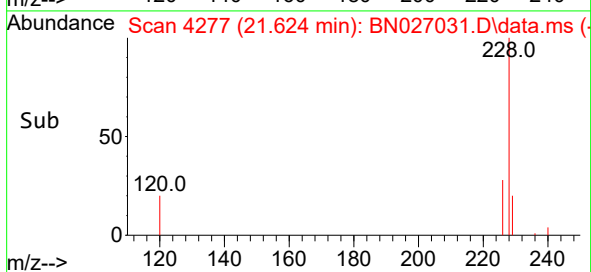
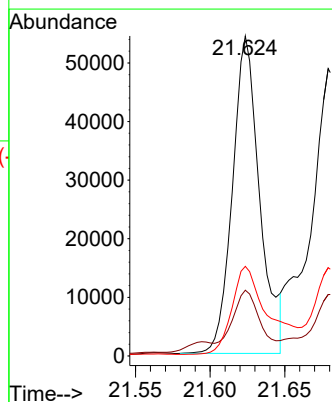
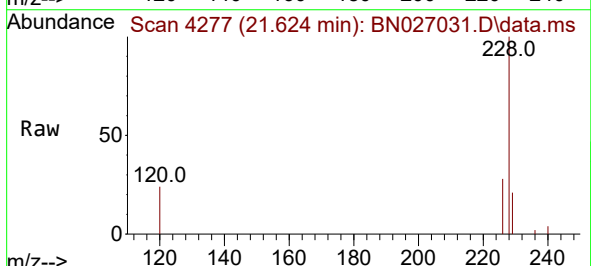
Tgt Ion:228 Resp: 68650

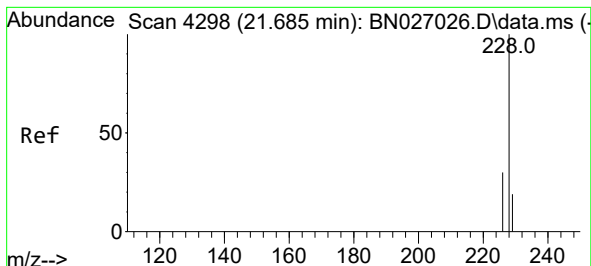
Ion Ratio Lower Upper

228 100

229 20.5 16.0 24.0

226 28.0 22.2 33.2





#22

Chrysene

Concen: 0.765 ng/ul

RT: 21.679 min Scan# 4298

Delta R.T. -0.012 min

Lab File: BN027031.D

Acq: 22 Aug 2023 17:46

Instrument :

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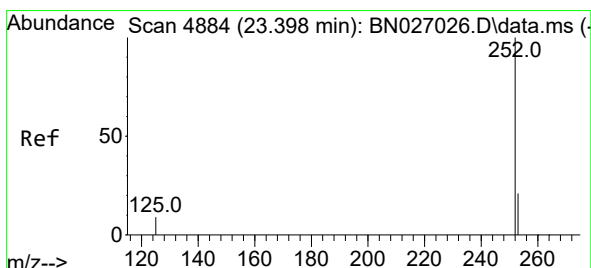
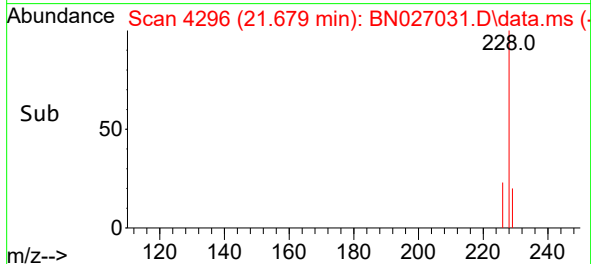
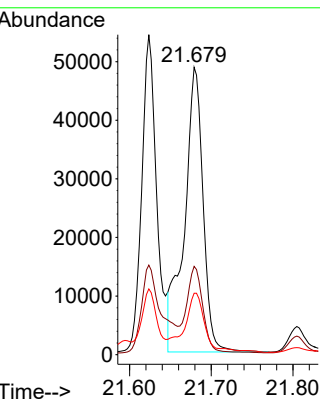
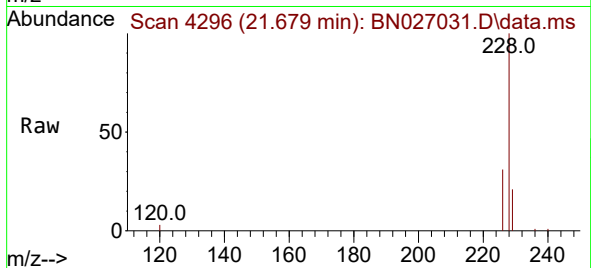
Tgt Ion:228 Resp: 77547

Ion Ratio Lower Upper

228 100

226 30.7 24.6 36.8

229 21.4 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 1.681 ng/ul

RT: 23.395 min Scan# 4883

Delta R.T. -0.012 min

Lab File: BN027031.D

Acq: 22 Aug 2023 17:46

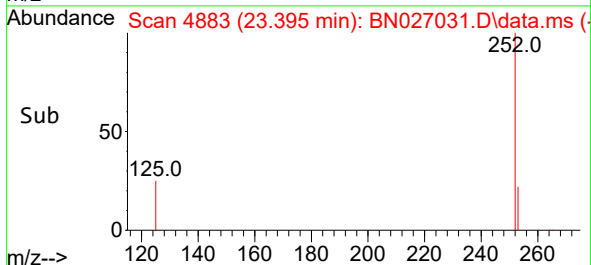
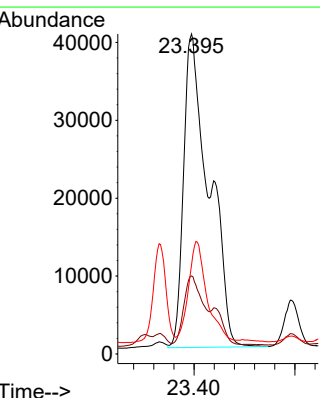
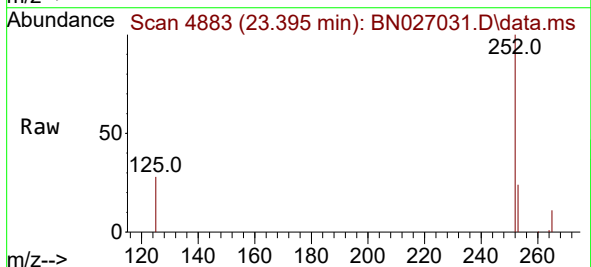
Tgt Ion:252 Resp: 140362

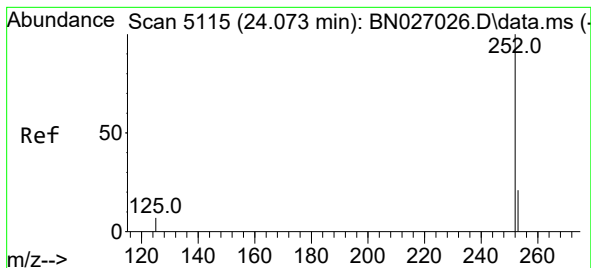
Ion Ratio Lower Upper

252 100

253 24.4 0.0 46.8

125 27.9 0.0 25.2#





#26

Benzo(a)pyrene

Concen: 0.783 ng/ul

RT: 24.067 min Scan# 5115

Delta R.T. -0.018 min

Lab File: BN027031.D

Acq: 22 Aug 2023 17:46

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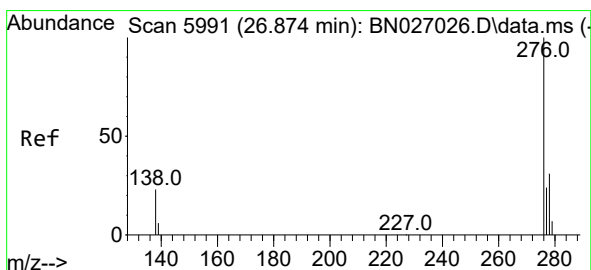
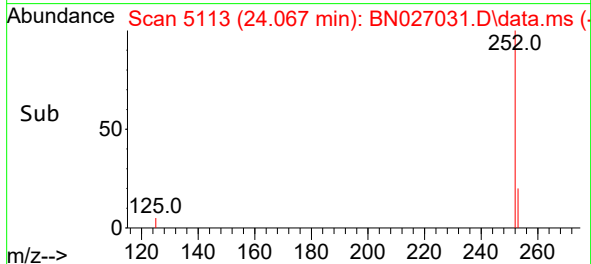
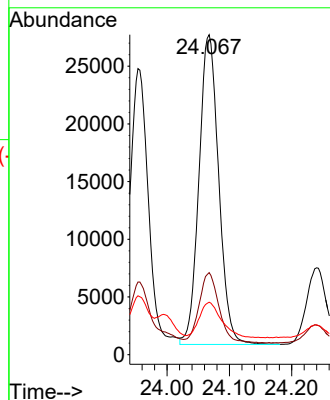
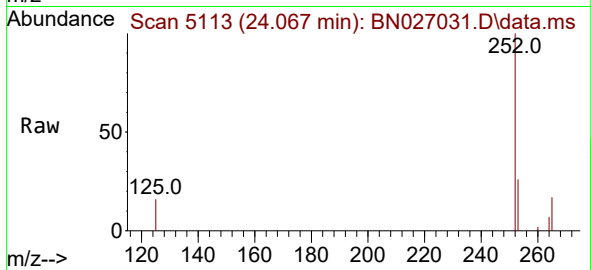
Tgt Ion:252 Resp: 58978

Ion Ratio Lower Upper

252 100

253 25.7 19.0 28.6

125 16.4 11.4 17.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.405 ng/ul

RT: 26.864 min Scan# 5988

Delta R.T. -0.021 min

Lab File: BN027031.D

Acq: 22 Aug 2023 17:46

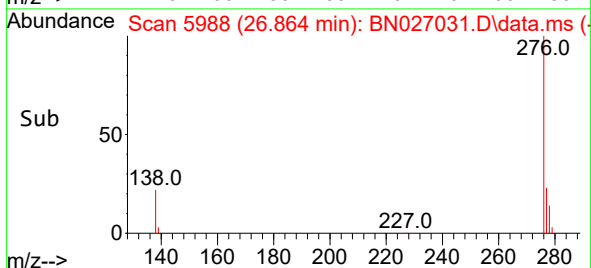
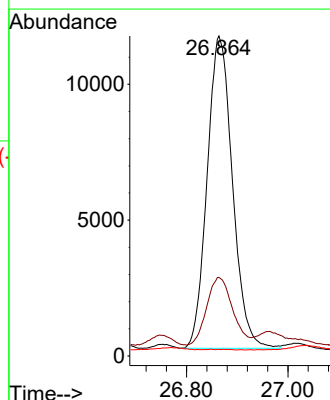
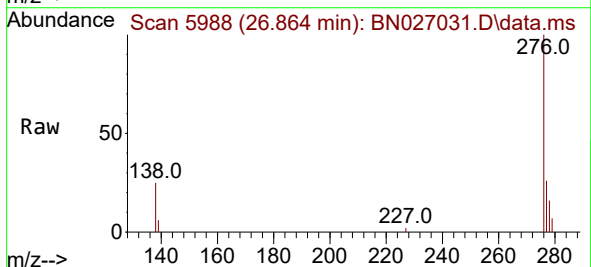
Tgt Ion:276 Resp: 39890

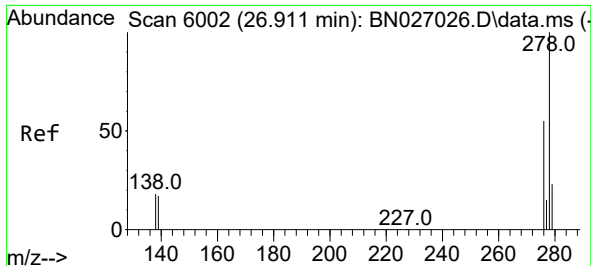
Ion Ratio Lower Upper

276 100

138 22.6 21.6 32.4

227 0.0 0.0 0.0

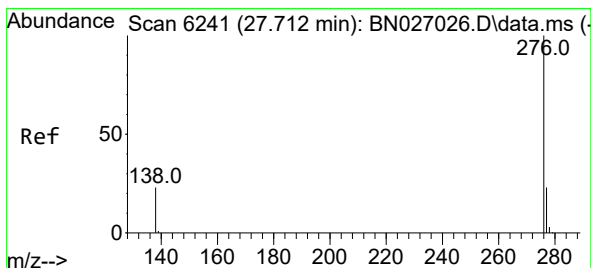
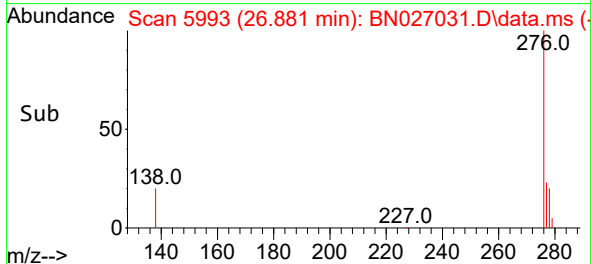
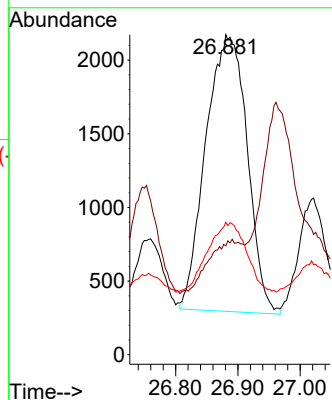
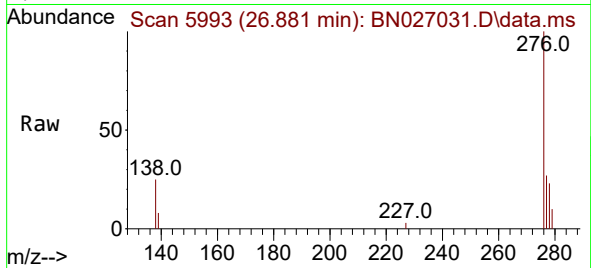




#28
Dibenzo(a,h)anthracene
Concen: 0.110 ng/ul
RT: 26.881 min Scan# 51
Delta R.T. -0.041 min
Lab File: BN027031.D
Acq: 22 Aug 2023 17:46

Instrument :
BNA_N
ClientSampleId :
A48N1DL

Tgt Ion:278 Resp: 8654
Ion Ratio Lower Upper
278 100
139 34.0 15.7 23.5#
279 41.4 20.2 30.4#



#29
Benzo(g,h,i)perylene
Concen: 0.477 ng/ul
RT: 27.706 min Scan# 6239
Delta R.T. -0.017 min
Lab File: BN027031.D
Acq: 22 Aug 2023 17:46

Tgt Ion:276 Resp: 39131
Ion Ratio Lower Upper
276 100
138 25.2 19.3 28.9
277 25.3 19.8 29.8

